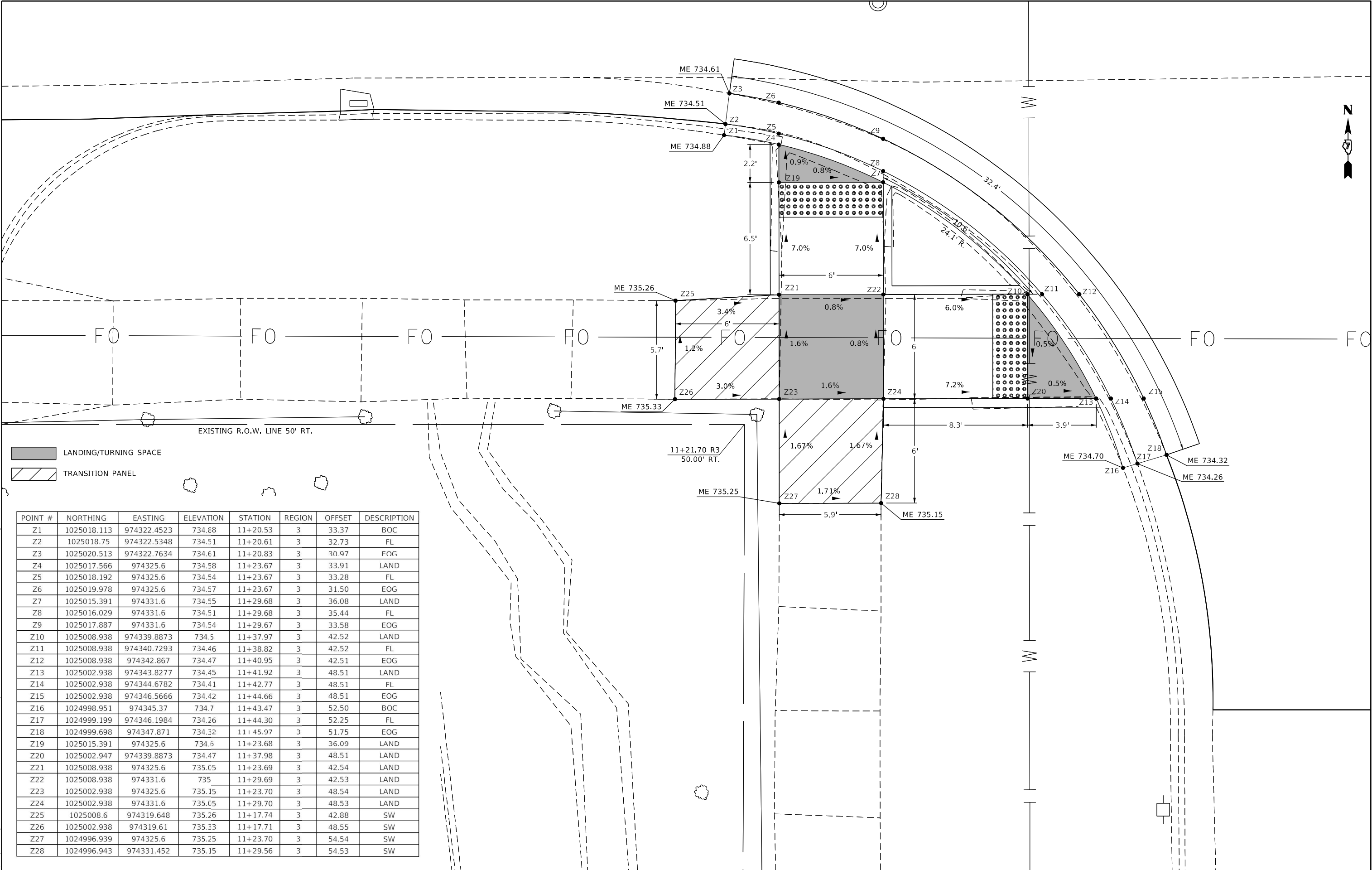






POINT #	NORTHING	EASTING	ELEVATION	STATION	REGION	OFFSET	DESCRIPTION
Z1	1025018.113	974322.4523	734.88	11+20.53	3	33.37	BOC
Z2	1025018.75	974322.5348	734.51	11+20.61	3	32.73	FL
Z3	1025020.513	974322.7634	734.61	11+20.83	3	30.97	FOG
Z4	1025017.566	974325.6	734.58	11+23.67	3	33.91	LAND
Z5	1025018.192	974325.6	734.54	11+23.67	3	33.28	FL
Z6	1025019.978	974325.6	734.57	11+23.67	3	31.50	EOG
Z7	1025015.391	974331.6	734.55	11+29.68	3	36.08	LAND
Z8	1025016.029	974331.6	734.51	11+29.68	3	35.44	FL
Z9	1025017.887	974331.6	734.54	11+29.67	3	33.58	EOG
Z10	1025008.938	974339.8873	734.5	11+37.97	3	42.52	LAND
Z11	1025008.938	974340.7293	734.46	11+38.82	3	42.52	FL
Z12	1025008.938	974342.867	734.47	11+40.95	3	42.51	EOG
Z13	1025002.938	974343.8277	734.45	11+41.92	3	48.51	LAND
Z14	1025002.938	974344.6782	734.41	11+42.77	3	48.51	FL
Z15	1025002.938	974346.5666	734.42	11+44.66	3	48.51	EOG
Z16	1024998.951	974345.37	734.7	11+43.47	3	52.50	BOC
Z17	1024999.199	974346.1984	734.26	11+44.30	3	52.25	FL
Z18	1024999.698	974347.871	734.32	11+45.97	3	51.75	EOG
Z19	1025015.391	974325.6	734.6	11+23.68	3	36.09	LAND
Z20	1025002.947	974339.8873	734.47	11+37.98	3	48.51	LAND
Z21	1025008.938	974325.6	735.05	11+23.69	3	42.54	LAND
Z22	1025008.938	974331.6	735	11+29.69	3	42.53	LAND
Z23	1025002.938	974325.6	735.15	11+23.70	3	48.54	LAND
Z24	1025002.938	974331.6	735.05	11+29.70	3	48.53	LAND
Z25	1025008.6	974319.648	735.26	11+17.74	3	42.88	SW
Z26	1025002.938	974319.61	735.33	11+17.71	3	48.55	SW
Z27	1024996.939	974325.6	735.25	11+23.70	3	54.54	SW
Z28	1024996.943	974331.452	735.15	11+29.56	3	54.53	SW

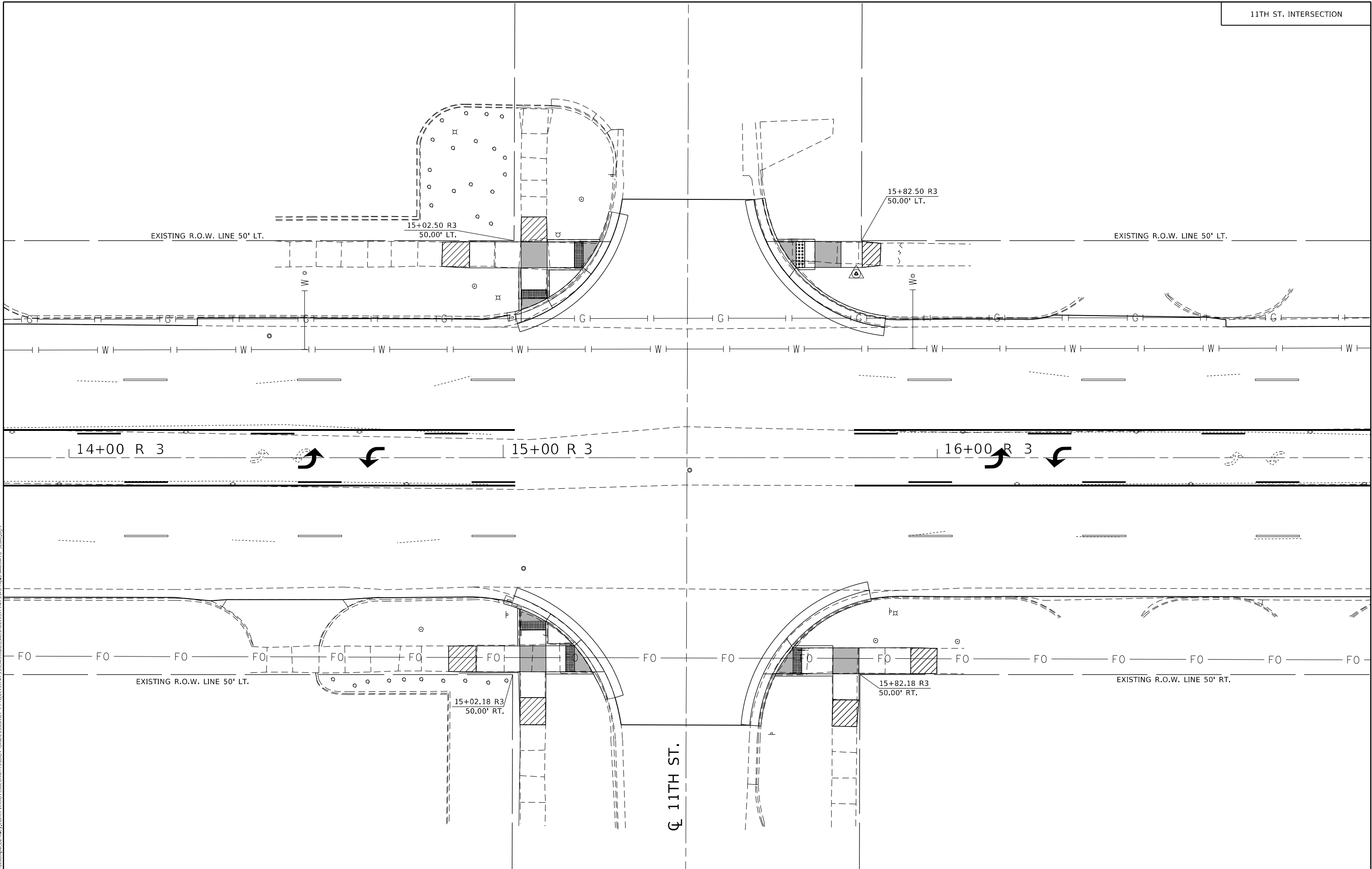
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DRAWN	-	REVISED	-
PLOT SCALE	= 5,0000 ' / in.	CHECKED	-
PLOT DATE	= 7/10/2023	DATE	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA DETAILS
SW QUADRANT - 12TH ST.

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	50ZRS-4	COLES	264	103
CONTRACT NO. 74759				
ILLINOIS FED. AID PROJECT				



MODEL: Default
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PLOT: 11th St. Intersection.dwg
PLOT DATE: 7/10/2023

USER NAME	= mona.steffen	DESIGNED	-	REVISED	-
DRAWN	-	CHECKED	-	REVISED	-
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PLOT DATE	= 7/10/2023				

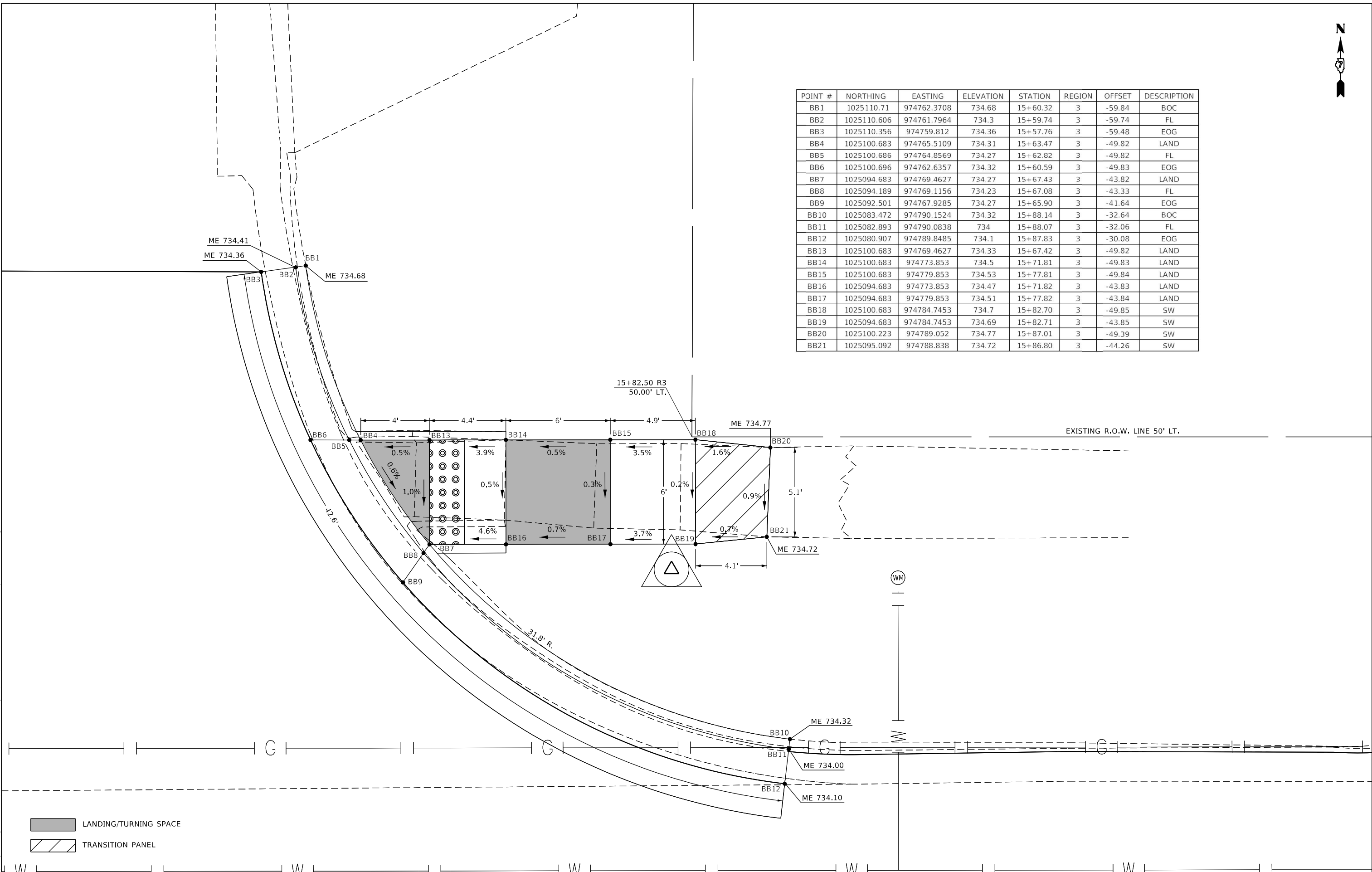
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION LAYOUT			
11TH ST.			
SCALE:	SHEET	OF	SHEETS
STA.	TO	STA.	TO

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	50ZRS-4	COLES	264	104
CONTRACT NO. 74759				
ILLINOIS FED. AID PROJECT				



POINT #	NORTHING	EASTING	ELEVATION	STATION	REGION	OFFSET	DESCRIPTION
BB1	1025110.71	974762.3708	734.68	15+60.32	3	-59.84	BOC
BB2	1025110.606	974761.7964	734.3	15+59.74	3	-59.74	FL
BB3	1025110.356	974759.812	734.36	15+57.76	3	-59.48	EOG
BB4	1025100.683	974765.5109	734.31	15+63.47	3	-49.82	LAND
BB5	1025100.686	974764.8569	734.27	15+62.82	3	-49.82	FL
BB6	1025100.696	974762.6357	734.32	15+60.59	3	-49.83	EOG
BB7	1025094.683	974769.4627	734.27	15+67.43	3	-43.82	LAND
BB8	1025094.189	974769.1156	734.23	15+67.08	3	-43.33	FL
BB9	1025092.501	974767.9285	734.27	15+65.90	3	-41.64	EOG
BB10	1025083.472	974790.1524	734.32	15+88.14	3	-32.64	BOC
BB11	1025082.893	974790.0838	734	15+88.07	3	-32.06	FL
BB12	1025080.907	974789.8485	734.1	15+87.83	3	-30.08	EOG
BB13	1025100.683	974769.4627	734.33	15+67.42	3	-49.82	LAND
BB14	1025100.683	974773.853	734.5	15+71.81	3	-49.83	LAND
BB15	1025100.683	974779.853	734.53	15+77.81	3	-49.84	LAND
BB16	1025094.683	974773.853	734.47	15+71.82	3	-43.83	LAND
BB17	1025094.683	974779.853	734.51	15+77.82	3	-43.84	LAND
BB18	1025100.683	974784.7453	734.7	15+82.70	3	-49.85	SW
BB19	1025094.683	974784.7453	734.69	15+82.71	3	-43.85	SW
BB20	1025100.223	974789.052	734.77	15+87.01	3	-49.39	SW
BB21	1025095.092	974788.838	734.72	15+86.80	3	-44.26	SW



- LANDING/TURNING SPACE
- TRANSITION PANEL

MODEL: Default
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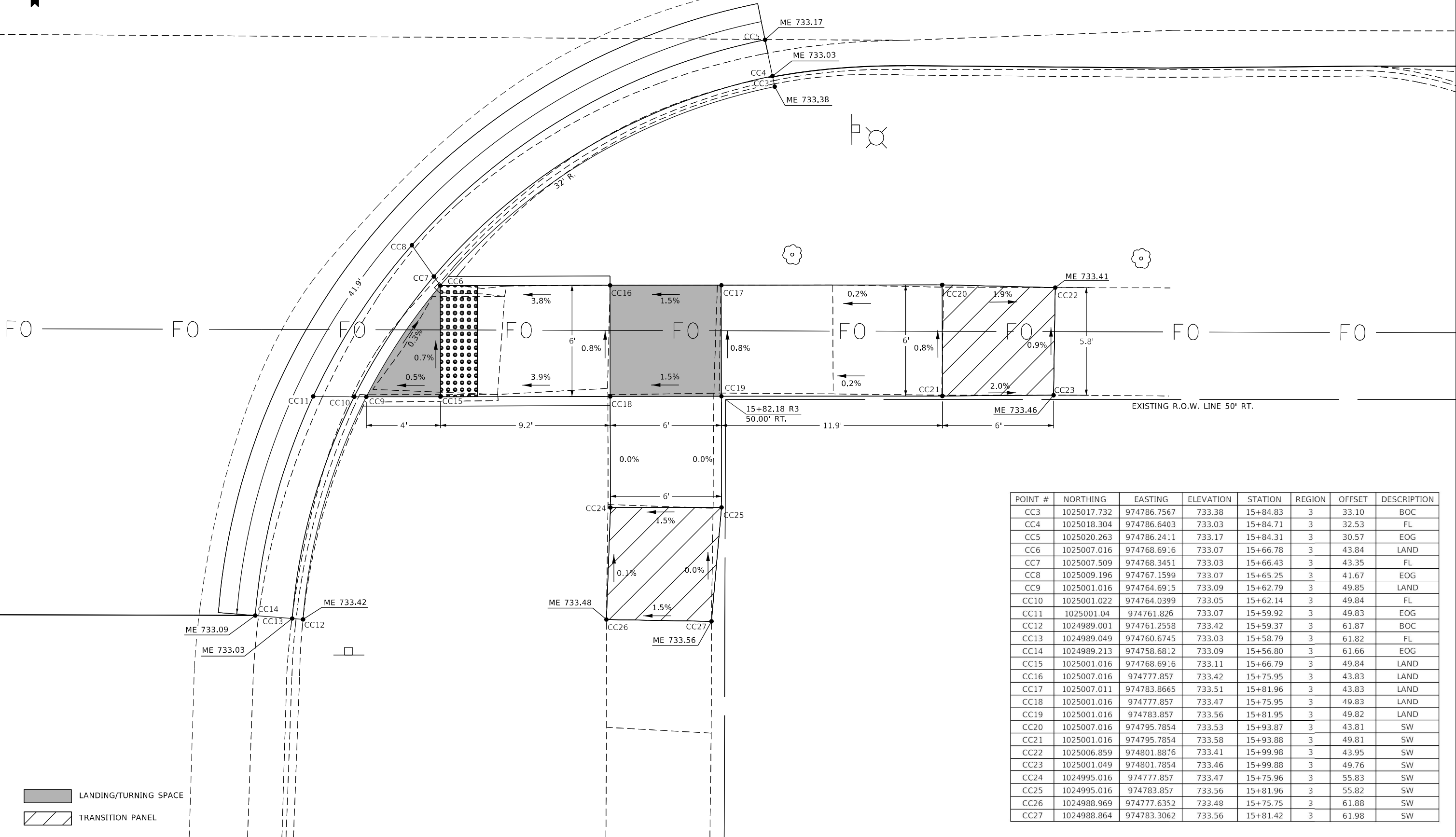
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	DRAWN -	REVISED -
PLOT SCALE = 5,000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 7/10/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA DETAILS
NE QUADRANT – 11TH ST.

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	50ZRS-4	COLES	264	106
CONTRACT NO. 74759				
ILLINOIS FED. AID PROJECT				



POINT #	NORTHING	EASTING	ELEVATION	STATION	REGION	OFFSET	DESCRIPTION
CC3	1025017.732	974786.7567	733.38	15+84.83	3	33.10	BOC
CC4	1025018.304	974786.6403	733.03	15+84.71	3	32.53	FL
CC5	1025020.263	974786.2411	733.17	15+84.31	3	30.57	EOG
CC6	1025007.016	974768.6916	733.07	15+66.78	3	43.84	LAND
CC7	1025007.509	974768.3451	733.03	15+66.43	3	43.35	FL
CC8	1025009.196	974767.1599	733.07	15+65.25	3	41.67	EOG
CC9	1025001.016	974764.6915	733.09	15+62.79	3	49.85	LAND
CC10	1025001.022	974764.0399	733.05	15+62.14	3	49.84	FL
CC11	1025001.04	974761.826	733.07	15+59.92	3	49.83	EOG
CC12	1024989.001	974761.2558	733.42	15+59.37	3	61.87	BOC
CC13	1024989.049	974760.6745	733.03	15+58.79	3	61.82	FL
CC14	1024989.213	974758.6812	733.09	15+56.80	3	61.66	EOG
CC15	1025001.016	974768.6916	733.11	15+66.79	3	49.84	LAND
CC16	1025007.016	974777.857	733.42	15+75.95	3	43.83	LAND
CC17	1025007.011	974783.8665	733.51	15+81.96	3	43.83	LAND
CC18	1025001.016	974777.857	733.47	15+75.95	3	49.83	LAND
CC19	1025001.016	974783.857	733.56	15+81.95	3	49.82	LAND
CC20	1025007.016	974795.7854	733.53	15+93.87	3	43.81	SW
CC21	1025001.016	974795.7854	733.58	15+93.88	3	49.81	SW
CC22	1025006.859	974801.8876	733.41	15+99.98	3	43.95	SW
CC23	1025001.049	974801.7854	733.46	15+99.88	3	49.76	SW
CC24	1024995.016	974777.857	733.47	15+75.96	3	55.83	SW
CC25	1024995.016	974783.857	733.56	15+81.96	3	55.82	SW
CC26	1024988.969	974777.6352	733.48	15+75.75	3	61.88	SW
CC27	1024988.864	974783.3062	733.56	15+81.42	3	61.98	SW

- LANDING/TURNING SPACE
- TRANSITION PANEL

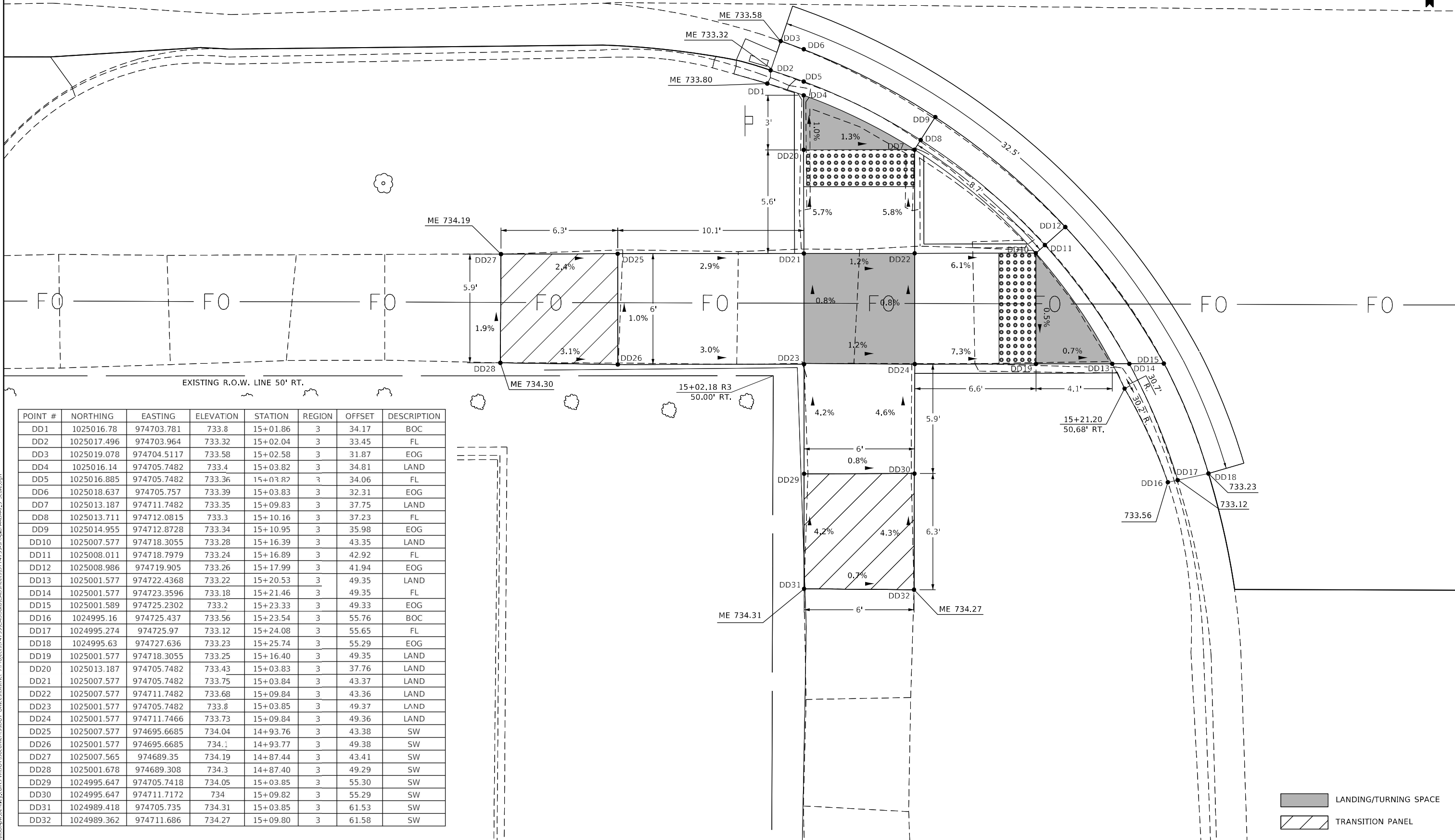
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PLOT DATE	= 7/10/2023	DATE	-	REVISION	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA DETAILS
SE QUADRANT – 11TH ST.

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	50ZRS-4	COLES	264	107
CONTRACT NO. 74759				
ILLINOIS		FED. AID PROJECT		



POINT #	NORTHING	EASTING	ELEVATION	STATION	REGION	OFFSET	DESCRIPTION
DD1	1025016.78	974703.781	733.8	15+01.86	3	34.17	BOC
DD2	1025017.496	974703.964	733.32	15+02.04	3	33.45	FL
DD3	1025019.078	974704.5117	733.58	15+02.58	3	31.87	EOG
DD4	1025016.14	974705.7482	733.4	15+03.82	3	34.81	LAND
DD5	1025016.885	974705.7482	733.36	15+03.82	3	34.06	FL
DD6	1025018.637	974705.757	733.39	15+03.83	3	32.31	EOG
DD7	1025013.187	974711.7482	733.35	15+09.83	3	37.75	LAND
DD8	1025013.711	974712.0815	733.3	15+10.16	3	37.23	FL
DD9	1025014.955	974712.8728	733.34	15+10.95	3	35.98	EOG
DD10	1025007.577	974718.3055	733.28	15+16.39	3	43.35	LAND
DD11	1025008.011	974718.7979	733.24	15+16.89	3	42.92	FL
DD12	1025008.986	974719.905	733.26	15+17.99	3	41.94	EOG
DD13	1025001.577	974722.4368	733.22	15+20.53	3	49.35	LAND
DD14	1025001.577	974723.3596	733.18	15+21.46	3	49.35	FL
DD15	1025001.589	974725.2302	733.2	15+23.33	3	49.33	EOG
DD16	1024995.16	974725.437	733.56	15+23.54	3	55.76	BOC
DD17	1024995.274	974725.97	733.12	15+24.08	3	55.65	FL
DD18	1024995.63	974727.636	733.23	15+25.74	3	55.29	EOG
DD19	1025001.577	974718.3055	733.25	15+16.40	3	49.35	LAND
DD20	1025013.187	974705.7482	733.43	15+03.83	3	37.76	LAND
DD21	1025007.577	974705.7482	733.75	15+03.84	3	43.37	LAND
DD22	1025007.577	974711.7482	733.68	15+09.84	3	43.36	LAND
DD23	1025001.577	974705.7482	733.8	15+03.85	3	49.37	LAND
DD24	1025001.577	974711.7466	733.73	15+09.84	3	49.36	LAND
DD25	1025007.577	974695.6685	734.04	14+93.76	3	43.38	SW
DD26	1025001.577	974695.6685	734.1	14+93.77	3	49.38	SW
DD27	1025007.565	974689.35	734.19	14+87.44	3	43.41	SW
DD28	1025001.678	974689.308	734.3	14+87.40	3	49.29	SW
DD29	1024995.647	974705.7418	734.05	15+03.85	3	55.30	SW
DD30	1024995.647	974711.7172	734	15+09.82	3	55.29	SW
DD31	1024989.418	974705.735	734.31	15+03.85	3	61.53	SW
DD32	1024989.362	974711.686	734.27	15+09.80	3	61.58	SW

- LANDING/TURNING SPACE
- TRANSITION PANEL

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PROJECT: 74759
SHEET: 108
DATE: 7/10/2023

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PLOT DATE	= 7/10/2023				

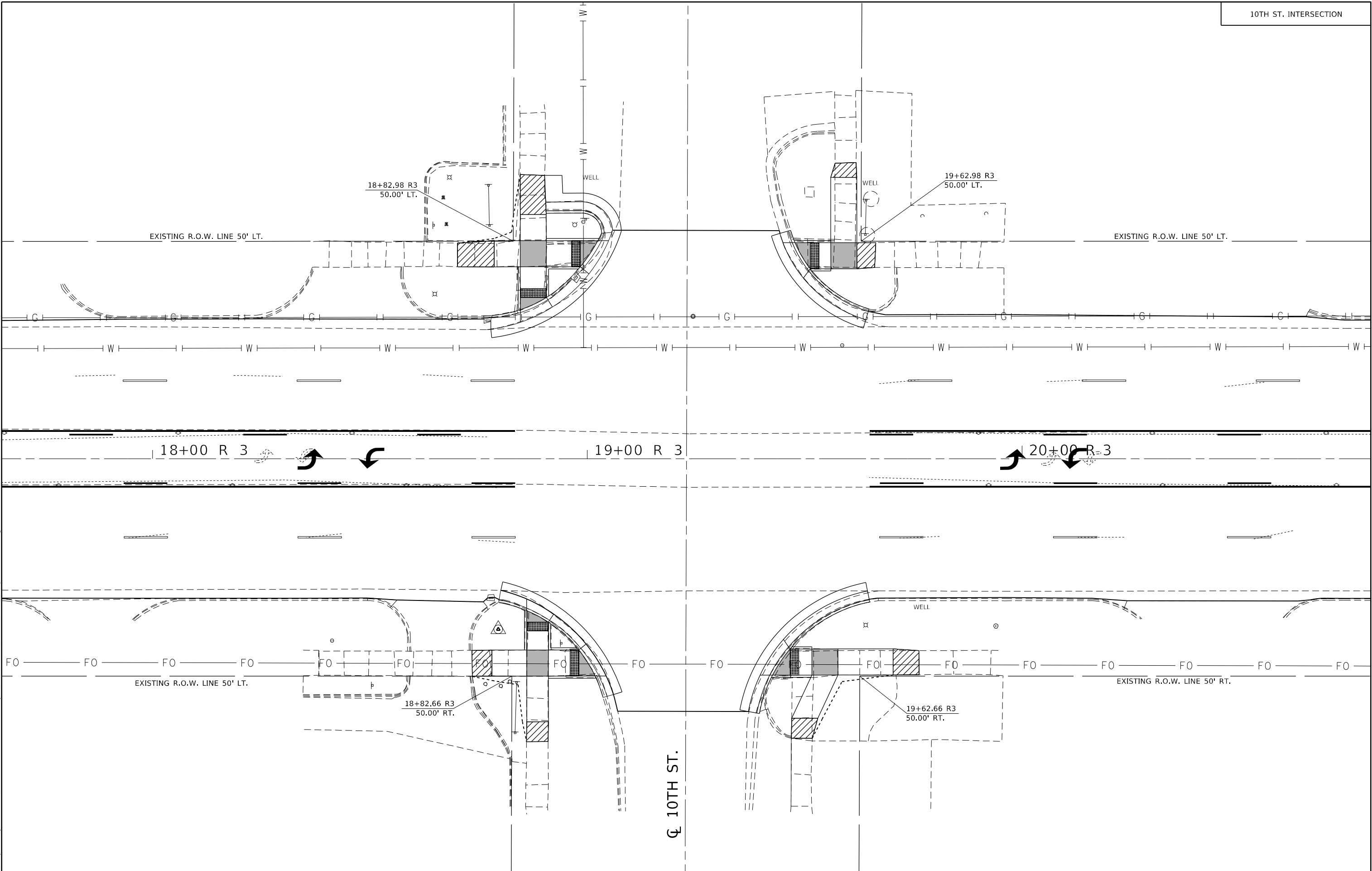
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA DETAILS
SW QUADRANT - 11TH ST.

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	50ZRS-4	COLES	264	108
CONTRACT NO. 74759				
ILLINOIS FED. AID PROJECT				

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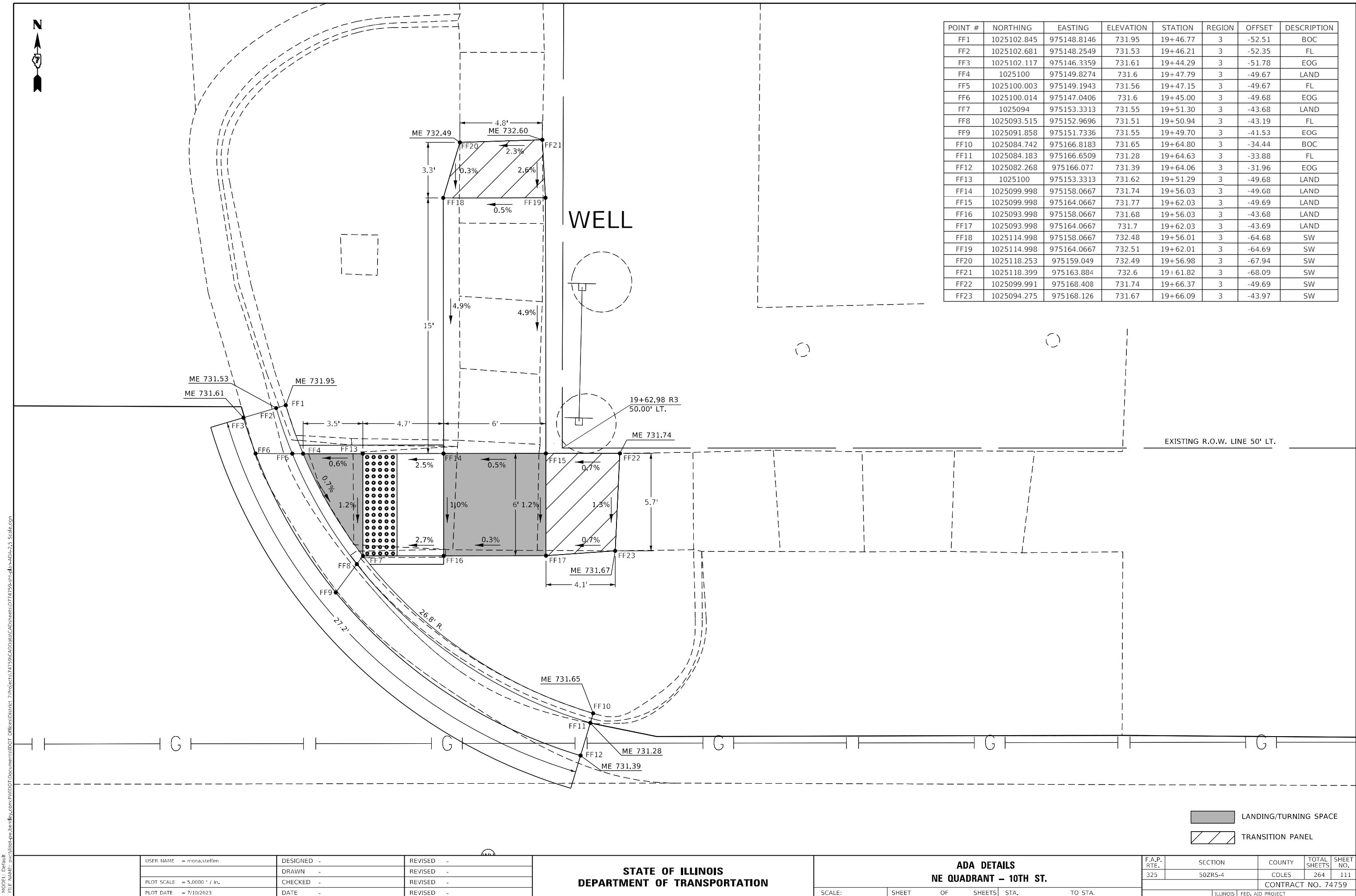
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DRAWN	-	DRAWN	-	REVISED	-
PLOT SCALE	= 20,0000 * / in.	CHECKED	-	REVISED	-
PLOT DATE	= 7/10/2023	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION LAYOUT			
10TH ST.			
SCALE:	SHEET	OF	SHEETS
STA.	TO STA.		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	50ZRS-4	COLES	264	109
CONTRACT NO. 74759				
ILLINOIS FED. AID PROJECT				

MODEL: Default
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POINT #	NORTHING	EASTING	ELEVATION	STATION	REGION	OFFSET	DESCRIPTION
FF1	1025102.845	975148.8146	731.95	19+46.77	3	-52.51	BOC
FF2	1025102.681	975148.2549	731.53	19+46.21	3	-52.35	FL
FF3	1025102.117	975146.3359	731.61	19+44.29	3	-51.78	EOG
FF4	1025100	975149.8274	731.6	19+47.79	3	-49.67	LAND
FF5	1025100.003	975149.1943	731.56	19+47.15	3	-49.67	FL
FF6	1025100.014	975147.0406	731.6	19+45.00	3	-49.68	EOG
FF7	1025094	975153.3313	731.55	19+51.30	3	-43.68	LAND
FF8	1025093.515	975152.9696	731.51	19+50.94	3	-43.19	FL
FF9	1025091.858	975151.7336	731.55	19+49.70	3	-41.53	EOG
FF10	1025084.742	975166.8183	731.65	19+64.80	3	-34.44	BOC
FF11	1025084.183	975166.6509	731.28	19+64.63	3	-33.88	FL
FF12	1025082.268	975166.077	731.39	19+64.06	3	-31.96	EOG
FF13	1025100	975153.3313	731.62	19+51.29	3	-49.68	LAND
FF14	1025099.998	975158.0667	731.74	19+56.03	3	-49.68	LAND
FF15	1025099.998	975164.0667	731.77	19+62.03	3	-49.69	LAND
FF16	1025093.998	975158.0667	731.68	19+56.03	3	-43.68	LAND
FF17	1025093.998	975164.0667	731.7	19+62.03	3	-43.69	LAND
FF18	1025114.998	975158.0667	732.48	19+56.01	3	-64.68	SW
FF19	1025114.998	975164.0667	732.51	19+62.01	3	-64.69	SW
FF20	1025118.253	975159.049	732.49	19+56.98	3	-67.94	SW
FF21	1025118.399	975163.884	732.6	19+61.82	3	-68.09	SW
FF22	1025099.991	975168.408	731.74	19+66.37	3	-49.69	SW
FF23	1025094.275	975168.126	731.67	19+66.09	3	-43.97	SW

- LANDING/TURNING SPACE
- TRANSITION PANEL

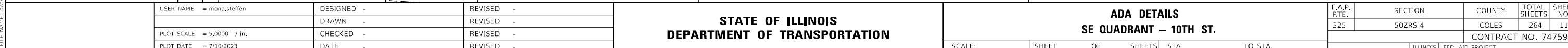
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PLOT DATE	= 7/10/2023	DATE	-

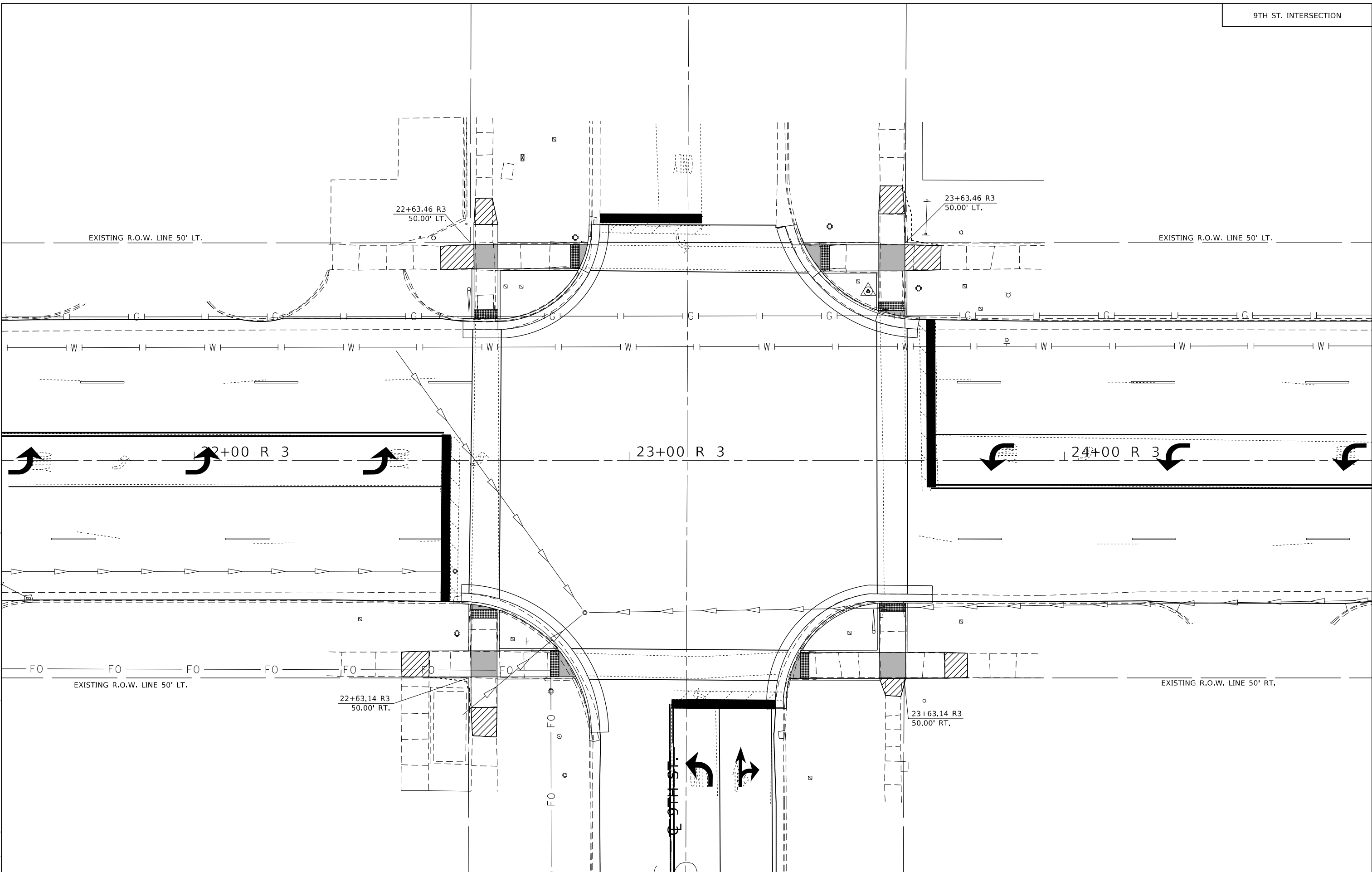
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA DETAILS
NE QUADRANT – 10TH ST.

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	50ZRS-4	COLES	264	111
CONTRACT NO. 74759				
		ILLINOIS	FED. AID PROJECT	





MODEL: Default
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PROJECT: 74759
SHEET: 114
DATE: 7/10/2023

USER NAME	= mona.steffen	DESIGNED	-	REVISED	-
DRAWN	-	CHECKED	-	REVIS	-
PLOT SCALE	= 20,0000 * / in.	DATE	-	REVIS	-
PLOT DATE	= 7/10/2023				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION LAYOUT				
9TH ST.				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

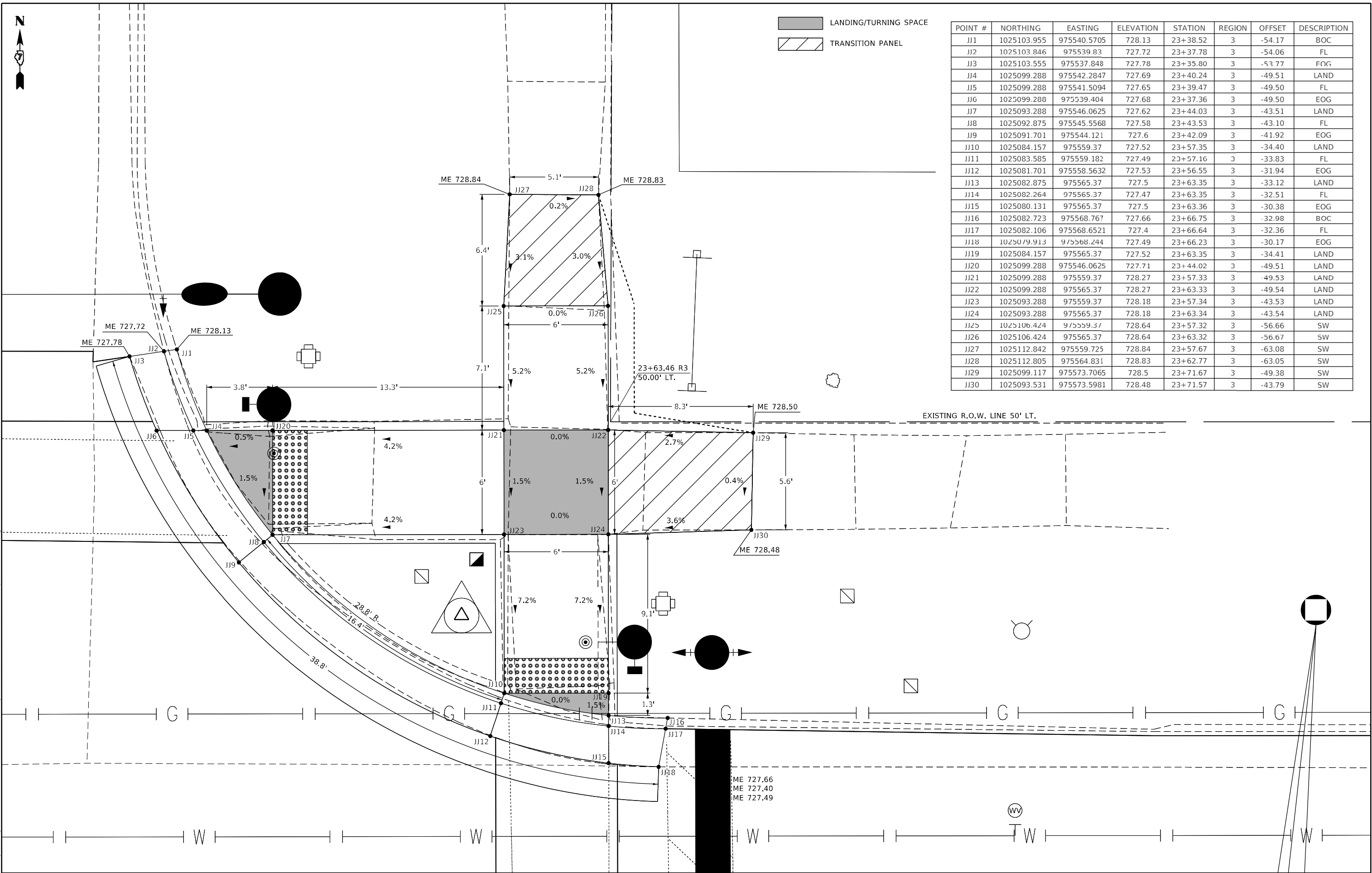
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	50ZRS-4	COLES	264	114
CONTRACT NO. 74759				
ILLINOIS FED. AID PROJECT				



LANDING/TURNING SPACE

TRANSITION PANEL

POINT #	NORTHING	EASTING	ELEVATION	STATION	REGION	OFFSET	DESCRIPTION
JJ1	1025103.955	975540.5705	728.13	23+38.52	3	-54.17	BOC
JJ2	1025103.846	975539.83	727.72	23+37.78	3	-54.06	FL
JJ3	1025103.555	975537.848	727.78	23+35.80	3	-53.77	FOG
JJ4	1025099.288	975542.2847	727.69	23+40.24	3	-49.51	LAND
JJ5	1025099.288	975541.5094	727.65	23+39.47	3	-49.50	FL
JJ6	1025099.288	975539.404	727.68	23+37.36	3	-49.50	EOG
JJ7	1025093.288	975546.0625	727.62	23+44.03	3	-43.51	LAND
JJ8	1025092.875	975545.5568	727.58	23+43.53	3	-43.10	FL
JJ9	1025091.701	975544.121	727.6	23+42.09	3	-41.92	EOG
JJ10	1025084.157	975559.37	727.52	23+57.35	3	-34.40	LAND
JJ11	1025083.585	975559.182	727.49	23+57.16	3	-33.83	FL
JJ12	1025081.701	975558.5632	727.53	23+56.55	3	-31.94	EOG
JJ13	1025082.875	975565.37	727.5	23+63.35	3	-33.12	LAND
JJ14	1025082.264	975565.37	727.47	23+63.35	3	-32.51	FL
JJ15	1025080.131	975565.37	727.5	23+63.36	3	-30.38	EOG
JJ16	1025082.723	975568.767	727.66	23+66.75	3	-32.98	BOC
JJ17	1025082.106	975568.6521	727.4	23+66.64	3	-32.36	FL
JJ18	1025079.913	975568.244	727.49	23+66.23	3	-30.17	EOG
JJ19	1025084.157	975565.37	727.52	23+63.35	3	-34.41	LAND
JJ20	1025099.288	975546.0625	727.71	23+44.02	3	-49.51	LAND
JJ21	1025099.288	975559.37	728.27	23+57.33	3	-49.53	LAND
JJ22	1025099.288	975565.37	728.27	23+63.33	3	-49.54	LAND
JJ23	1025093.288	975559.37	728.18	23+57.34	3	-43.53	LAND
JJ24	1025093.288	975565.37	728.18	23+63.34	3	-43.54	LAND
JJ25	1025106.424	975559.37	728.64	23+57.32	3	-56.66	SW
JJ26	1025106.424	975565.37	728.64	23+63.32	3	-56.67	SW
JJ27	1025112.842	975559.725	728.84	23+57.67	3	-63.08	SW
JJ28	1025112.805	975564.831	728.83	23+62.77	3	-63.05	SW
JJ29	1025099.117	975573.7065	728.5	23+71.67	3	-49.38	SW
JJ30	1025093.531	975573.5981	728.48	23+71.57	3	-43.79	SW



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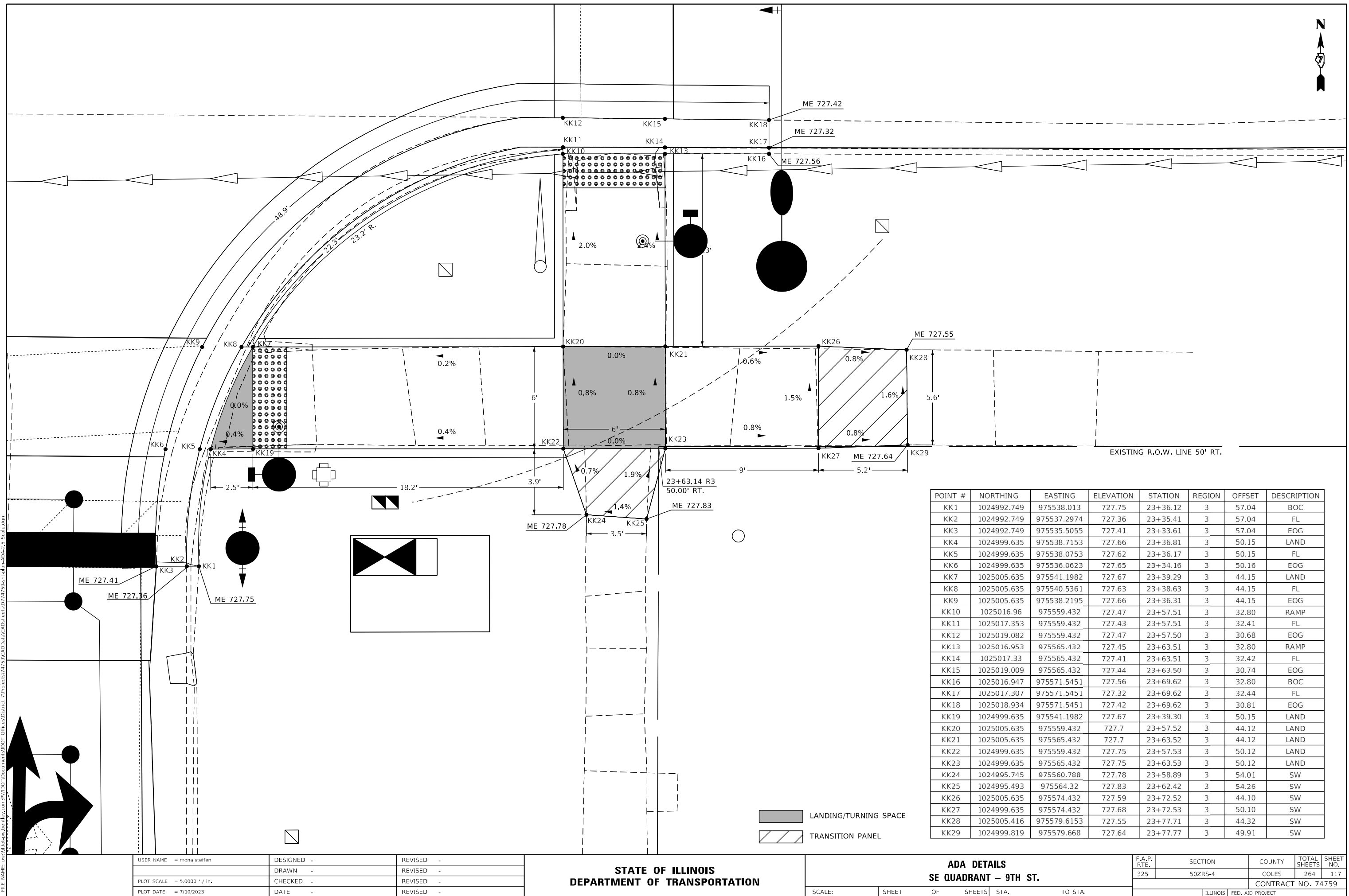
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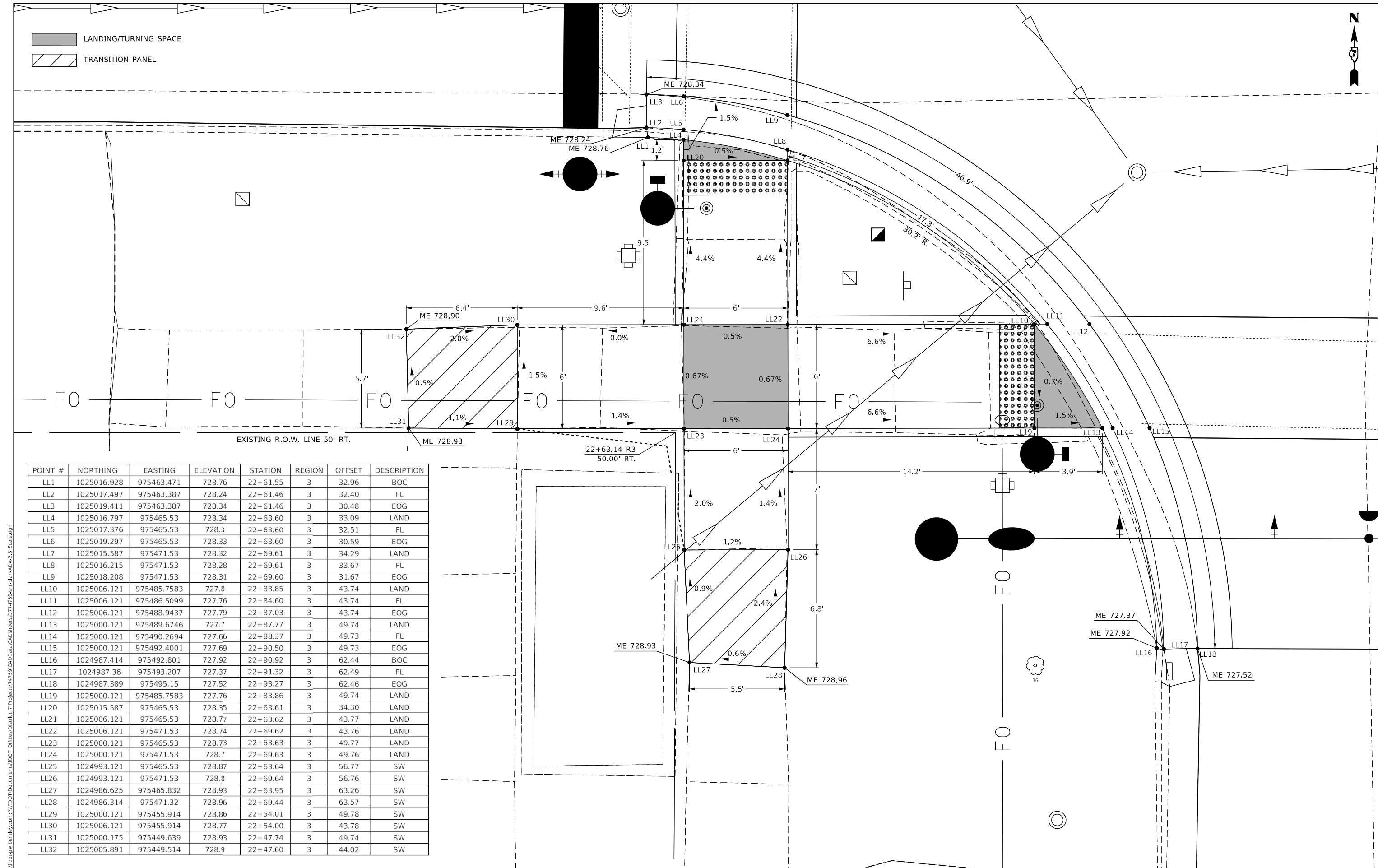
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA DETAILS
NE QUADRANT - 9TH ST.

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	50ZRS-4	COLES	264	116
CONTRACT NO. 74759				
ILLINOIS FED. AID PROJECT				





POINT #	NORTHING	EASTING	ELEVATION	STATION	REGION	OFFSET	DESCRIPTION
LL1	1025016.928	975463.471	728.76	22+61.55	3	32.96	BOC
LL2	1025017.497	975463.387	728.24	22+61.46	3	32.40	FL
LL3	1025019.411	975463.387	728.34	22+61.46	3	30.48	EOG
LL4	1025016.797	975465.53	728.34	22+63.60	3	33.09	LAND
LL5	1025017.376	975465.53	728.3	22+63.60	3	32.51	FL
LL6	1025019.297	975465.53	728.33	22+63.60	3	30.59	EOG
LL7	1025015.587	975471.53	728.32	22+69.61	3	34.29	LAND
LL8	1025016.215	975471.53	728.28	22+69.61	3	33.67	FL
LL9	1025018.208	975471.53	728.31	22+69.60	3	31.67	EOG
LL10	1025006.121	975485.7583	727.8	22+83.85	3	43.74	LAND
LL11	1025006.121	975486.5099	727.76	22+84.60	3	43.74	FL
LL12	1025006.121	975488.9437	727.79	22+87.03	3	43.74	EOG
LL13	1025000.121	975489.6746	727.7	22+87.77	3	49.74	LAND
LL14	1025000.121	975490.2694	727.66	22+88.37	3	49.73	FL
LL15	1025000.121	975492.4001	727.69	22+90.50	3	49.73	EOG
LL16	1024987.414	975492.801	727.92	22+90.92	3	62.44	BOC
LL17	1024987.36	975493.207	727.37	22+91.32	3	62.49	FL
LL18	1024987.389	975495.15	727.52	22+93.27	3	62.46	EOG
LL19	1025000.121	975485.7583	727.76	22+83.86	3	49.74	LAND
LL20	1025015.587	975465.53	728.35	22+63.61	3	34.30	LAND
LL21	1025006.121	975465.53	728.77	22+63.62	3	43.77	LAND
LL22	1025006.121	975471.53	728.74	22+69.62	3	43.76	LAND
LL23	1025000.121	975465.53	728.73	22+63.63	3	49.77	LAND
LL24	1025000.121	975471.53	728.7	22+69.63	3	49.76	LAND
LL25	1024993.121	975465.53	728.87	22+63.64	3	56.77	SW
LL26	1024993.121	975471.53	728.8	22+69.64	3	56.76	SW
LL27	1024986.625	975465.832	728.93	22+63.95	3	63.26	SW
LL28	1024986.314	975471.32	728.96	22+69.44	3	63.57	SW
LL29	1025000.121	975455.914	728.86	22+54.01	3	49.78	SW
LL30	1025006.121	975455.914	728.77	22+54.00	3	43.78	SW
LL31	1025000.175	975449.639	728.93	22+47.74	3	49.74	SW
LL32	1025005.891	975449.514	728.9	22+47.60	3	44.02	SW

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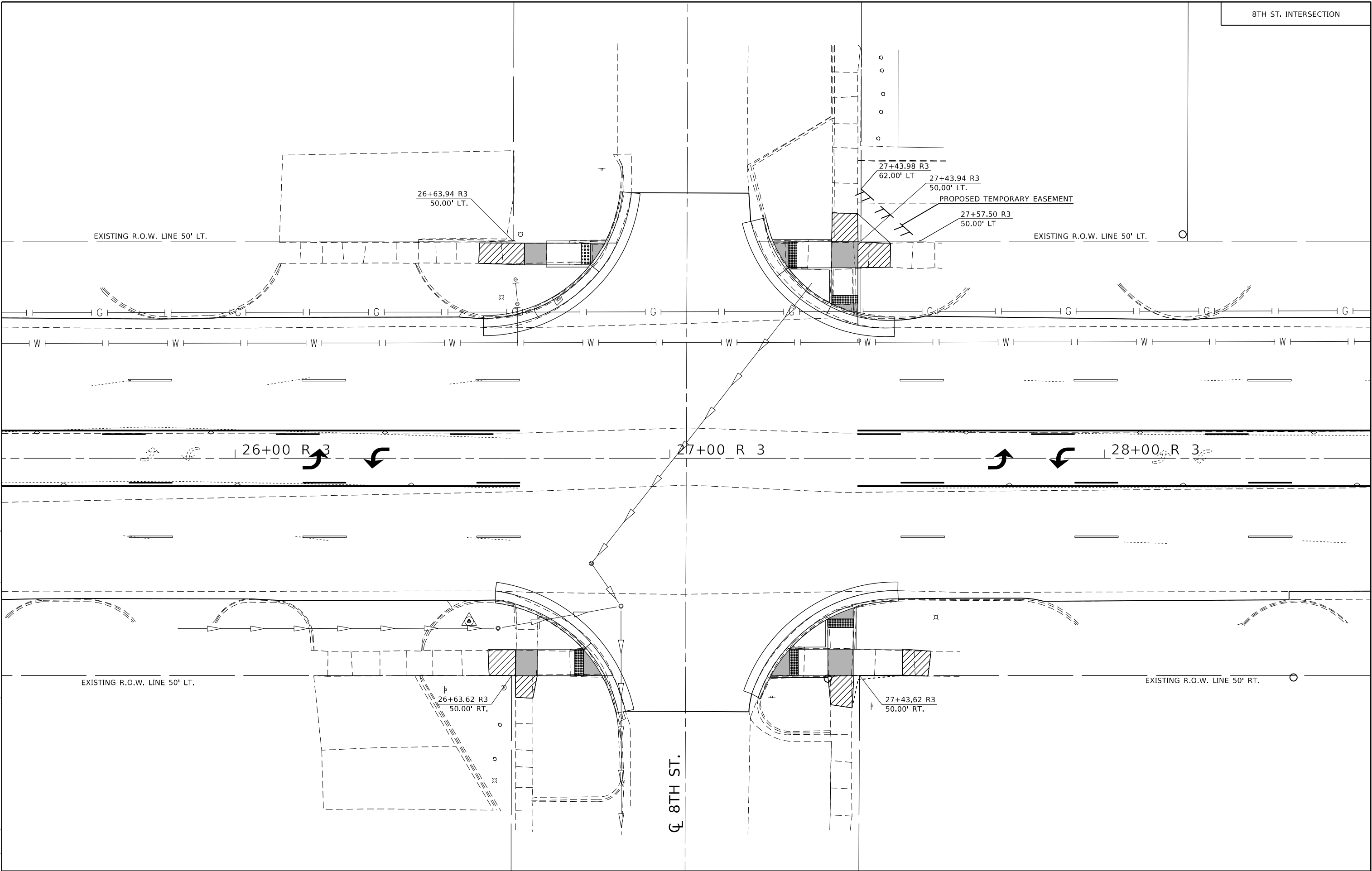
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA DETAILS
SW QUADRANT - 9TH ST.

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	50ZRS-4	COLES	264	118
CONTRACT NO. 74759				
ILLINOIS FED. AID PROJECT				

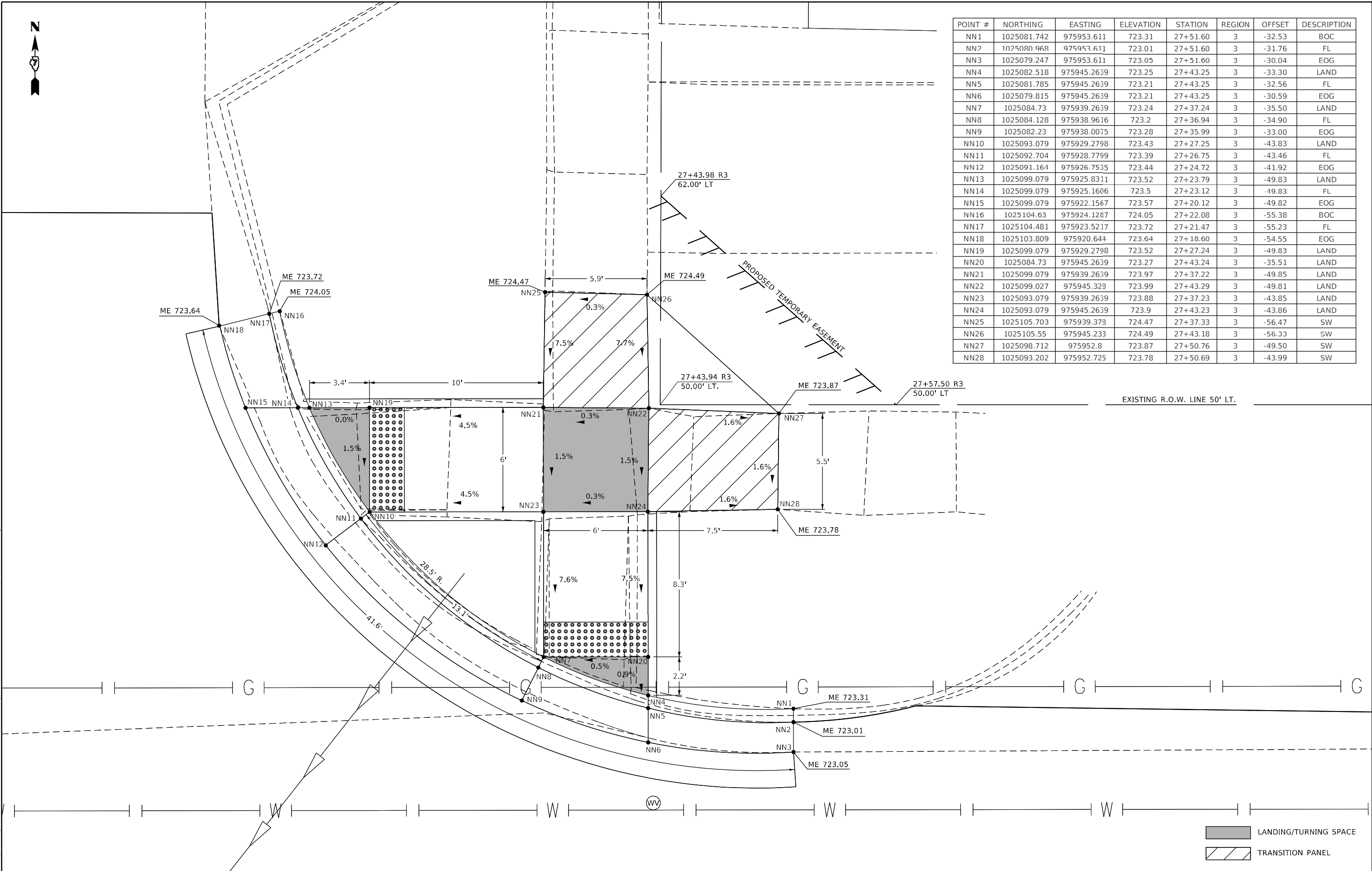
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		DRAWN -	REVISED -						325	50ZRS-4	COLES	264	119
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	PLOT DATE = 7/10/2023	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.			



POINT #	NORTHING	EASTING	ELEVATION	STATION	REGION	OFFSET	DESCRIPTION
NN1	1025081.742	975953.611	723.31	27+51.60	3	-32.53	BOC
NN2	1025080.968	975953.611	723.01	27+51.60	3	-31.76	FL
NN3	1025079.247	975953.611	723.05	27+51.60	3	-30.04	EOG
NN4	1025082.518	975945.2639	723.25	27+43.25	3	-33.30	LAND
NN5	1025081.785	975945.2639	723.21	27+43.25	3	-32.56	FL
NN6	1025079.815	975945.2639	723.21	27+43.25	3	-30.59	EOG
NN7	1025084.73	975939.2639	723.24	27+37.24	3	-35.50	LAND
NN8	1025084.128	975938.9616	723.2	27+36.94	3	-34.90	FL
NN9	1025082.23	975938.0075	723.28	27+35.99	3	-33.00	EOG
NN10	1025093.079	975929.2798	723.43	27+27.25	3	-43.83	LAND
NN11	1025092.704	975928.7799	723.39	27+26.75	3	-43.46	FL
NN12	1025091.164	975926.7535	723.44	27+24.72	3	-41.92	EOG
NN13	1025099.079	975925.8311	723.52	27+23.79	3	-49.83	LAND
NN14	1025099.079	975925.1606	723.5	27+23.12	3	-49.83	FL
NN15	1025099.079	975922.1567	723.57	27+20.12	3	-49.82	EOG
NN16	1025104.63	975924.1287	724.05	27+22.08	3	-55.38	BOC
NN17	1025104.481	975923.5217	723.72	27+21.47	3	-55.23	FL
NN18	1025103.809	975920.644	723.64	27+18.60	3	-54.55	EOG
NN19	1025099.079	975929.2798	723.52	27+27.24	3	-49.83	LAND
NN20	1025084.73	975945.2639	723.27	27+43.24	3	-35.51	LAND
NN21	1025099.079	975939.2639	723.97	27+37.22	3	-49.85	LAND
NN22	1025099.027	975945.328	723.99	27+43.29	3	-49.81	LAND
NN23	1025093.079	975939.2639	723.88	27+37.23	3	-43.85	LAND
NN24	1025093.079	975945.2639	723.9	27+43.23	3	-43.86	LAND
NN25	1025105.703	975939.378	724.47	27+37.33	3	-56.47	SW
NN26	1025105.55	975945.233	724.49	27+43.18	3	-56.33	SW
NN27	1025098.712	975952.8	723.87	27+50.76	3	-49.50	SW
NN28	1025093.202	975952.725	723.78	27+50.69	3	-43.99	SW



- LANDING/TURNING SPACE
- TRANSITION PANEL

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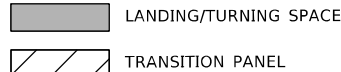
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PLOT DATE	= 7/10/2023	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA DETAILS
NE QUADRANT – 8TH ST.

SCALE: SHEET OF SHEETS STA. TO STA.

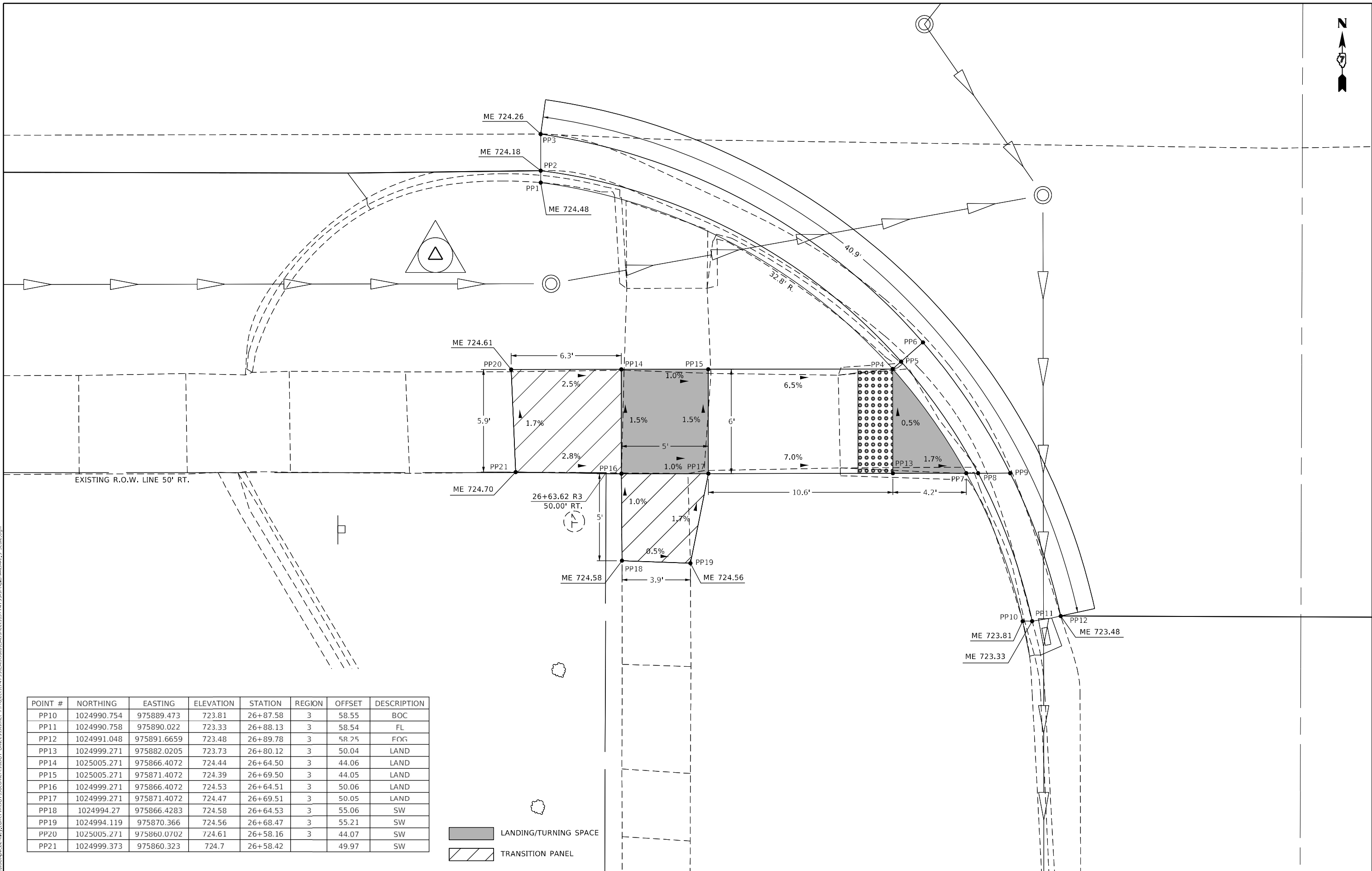
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	50ZR5-4	COLES	264	121
CONTRACT NO. 74759				
ILLINOIS		FED. AID PROJECT		



USER NAME = mona.steffen	DESIGNED -	REVISED -
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PLOT SCALE = 5,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 7/10/2023	DATE -	REVISED -

SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	50ZRS-4	COLES	264	122
		CONTRACT NO. 74759		
		ILLINOIS	FED. AID PROJECT	



POINT #	NORTHING	EASTING	ELEVATION	STATION	REGION	OFFSET	DESCRIPTION
PP10	1024990.754	975889.473	723.81	26+87.58	3	58.55	BOC
PP11	1024990.758	975890.022	723.33	26+88.13	3	58.54	FL
PP12	1024991.048	975891.6659	723.48	26+89.78	3	58.75	FOG
PP13	1024999.271	975882.0205	723.73	26+80.12	3	50.04	LAND
PP14	1025005.271	975866.4072	724.44	26+64.50	3	44.06	LAND
PP15	1025005.271	975871.4072	724.39	26+69.50	3	44.05	LAND
PP16	1024999.271	975866.4072	724.53	26+64.51	3	50.06	LAND
PP17	1024999.271	975871.4072	724.47	26+69.51	3	50.05	LAND
PP18	1024994.27	975866.4283	724.58	26+64.53	3	55.06	SW
PP19	1024994.119	975870.366	724.56	26+68.47	3	55.21	SW
PP20	1025005.271	975860.0702	724.61	26+58.16	3	44.07	SW
PP21	1024999.373	975860.323	724.7	26+58.42		49.97	SW

 LANDING/TURNING SPACE
 TRANSITION PANEL

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ADA DETAILS
SW QUADRANT – 8TH ST.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	50ZR5-4	COLES	264	123
		CONTRACT NO. 74759		
		ILLINOIS	FED. AID PROJECT	

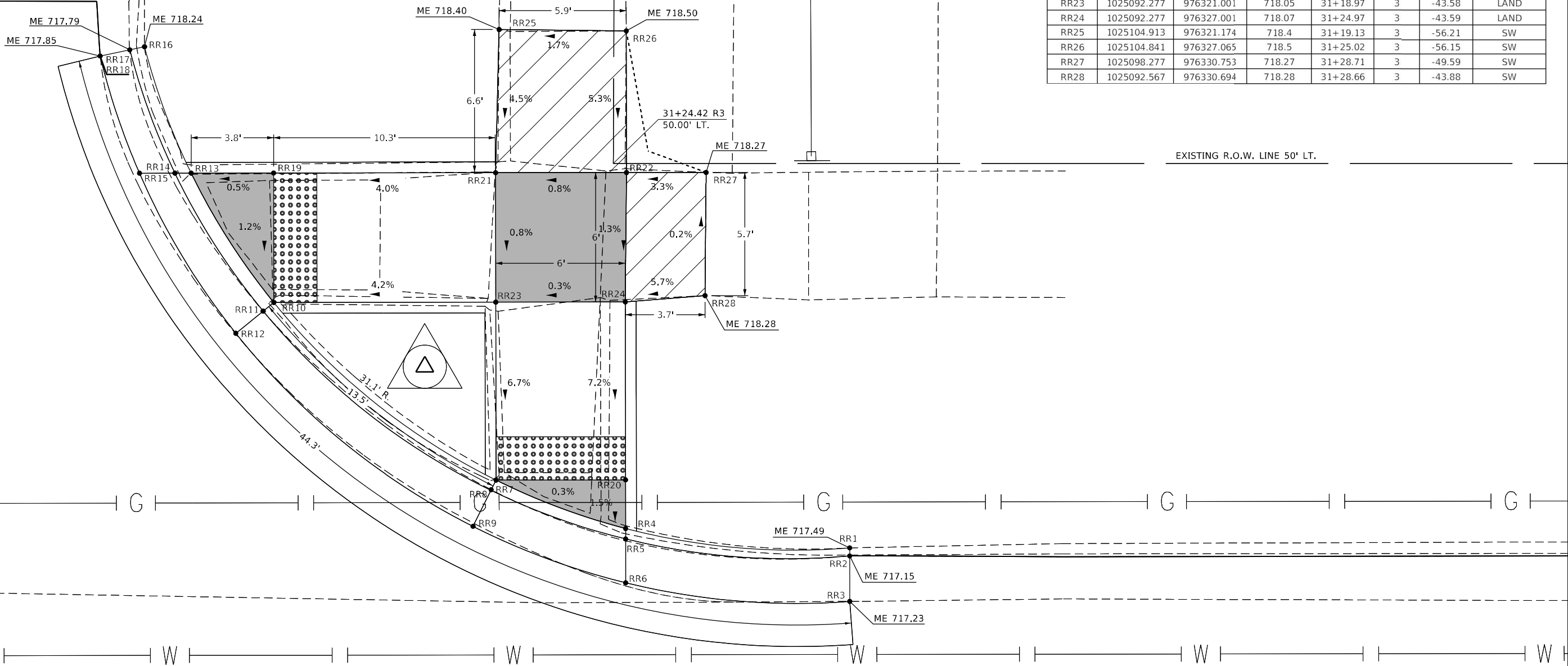
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LANDING/TURNING SPACE

TRANSITION PANEL

POINT #	NORTHING	EASTING	ELEVATION	STATION	REGION	OFFSET	DESCRIPTION
RR1	1025080.863	976337.377	717.49	31+35.36	3	-32.19	BOC
RR2	1025080.492	976337.377	717.15	31+35.36	3	-31.82	FL
RR3	1025078.383	976337.377	717.23	31+35.37	3	-29.71	EOG
RR4	1025081.778	976327.001	717.45	31+24.98	3	-33.09	LAND
RR5	1025081.292	976327.001	717.41	31+24.99	3	-32.60	FL
RR6	1025079.261	976327.001	717.43	31+24.99	3	-30.57	EOG
RR7	1025084.032	976321.001	717.5	31+18.98	3	-35.33	LAND
RR8	1025083.582	976320.7769	717.46	31+18.76	3	-34.88	FL
RR9	1025081.888	976319.9323	717.49	31+17.92	3	-33.19	EOG
RR10	1025092.277	976310.72	717.62	31+08.69	3	-43.56	LAND
RR11	1025091.877	976310.2273	717.6	31+08.20	3	-43.16	FL
RR12	1025090.85	976308.9599	717.63	31+06.93	3	-42.13	EOG
RR13	1025098.277	976306.901	717.67	31+04.86	3	-49.56	LAND
RR14	1025098.277	976306.1515	717.65	31+04.11	3	-49.56	FL
RR15	1025098.277	976304.5085	717.69	31+02.47	3	-49.56	EOG
RR16	1025104.138	976304.75	718.24	31+02.70	3	-55.42	BOC
RR17	1025103.996	976304.0659	717.79	31+02.02	3	-55.27	FL
RR18	1025103.71	976302.6921	717.85	31+00.65	3	-54.99	EOG
RR19	1025098.277	976310.72	717.69	31+08.68	3	-49.56	LAND
RR20	1025084.032	976327.001	717.48	31+24.98	3	-35.34	LAND
RR21	1025098.277	976321.001	718.1	31+18.96	3	-49.58	LAND
RR22	1025098.277	976327.065	718.15	31+25.03	3	-49.59	LAND
RR23	1025092.277	976321.001	718.05	31+18.97	3	-43.58	LAND
RR24	1025092.277	976327.001	718.07	31+24.97	3	-43.59	LAND
RR25	1025104.913	976321.174	718.4	31+19.13	3	-56.21	SW
RR26	1025104.841	976327.065	718.5	31+25.02	3	-56.15	SW
RR27	1025098.277	976330.753	718.27	31+28.71	3	-49.59	SW
RR28	1025092.567	976330.694	718.28	31+28.66	3	-43.88	SW



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DESIGNED -

REVISD -

DRAWN -

REVISD -

REVISD -

PLOT SCALE = 5,0000 ' / in.

CHECKED -

REVISD -

PLOT DATE = 7/10/2023

DATE -

REVISD -

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

ADA DETAILS

NE QUADRANT - 7TH ST.

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 325

SECTION 50ZRS-4

COUNTY COLES

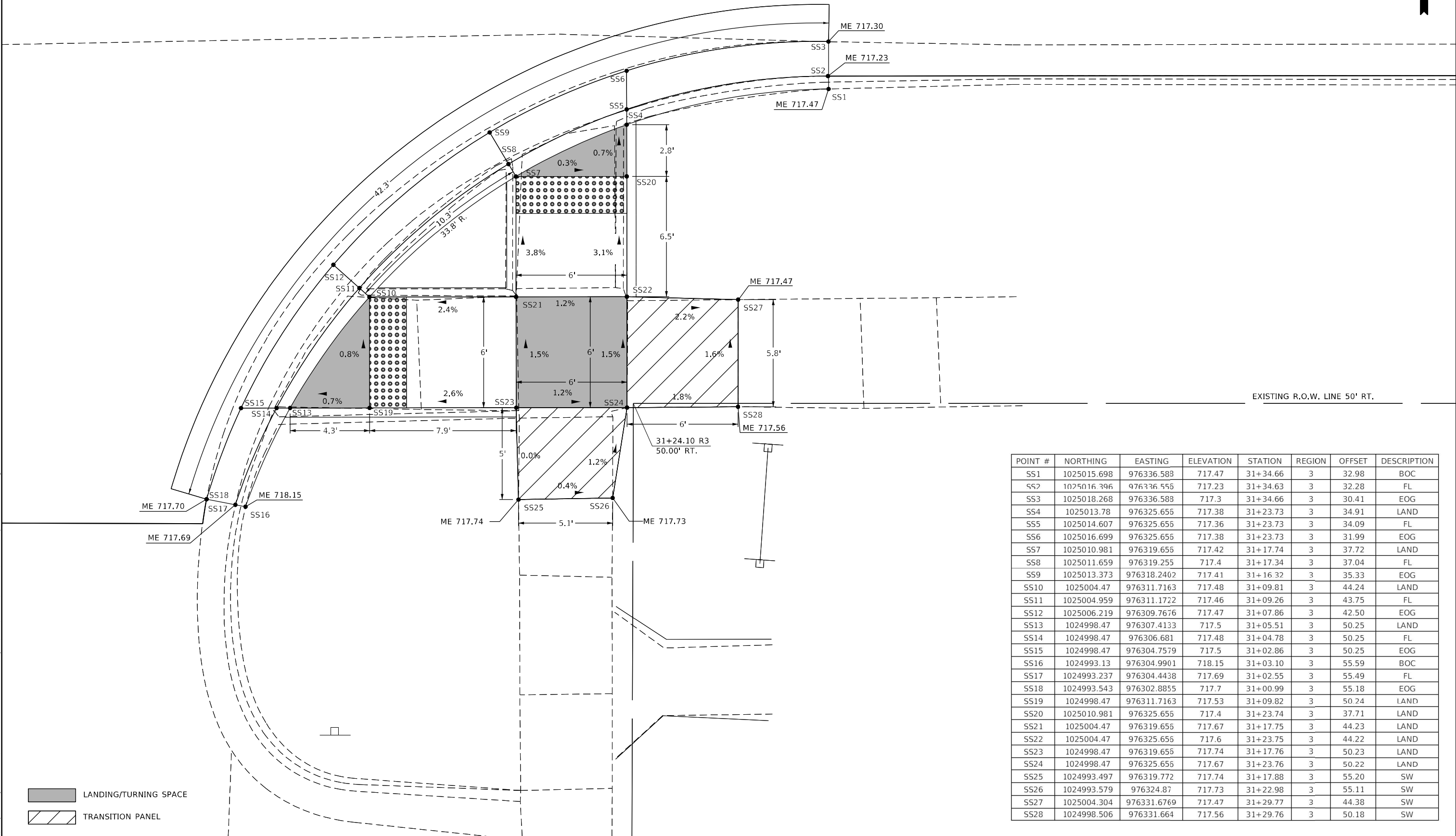
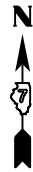
TOTAL SHEETS 264

SHEET NO. 126

CONTRACT NO. 74759

ILLINOIS

FED. AID PROJECT



POINT #	NORTHING	EASTING	ELEVATION	STATION	REGION	OFFSET	DESCRIPTION
SS1	1025015.698	976336.588	717.47	31+34.66	3	32.98	BOC
SS2	1025016.396	976336.555	717.23	31+34.63	3	32.28	FL
SS3	1025018.268	976336.588	717.3	31+34.66	3	30.41	EOG
SS4	1025013.78	976325.655	717.38	31+23.73	3	34.91	LAND
SS5	1025014.607	976325.655	717.36	31+23.73	3	34.09	FL
SS6	1025016.699	976325.655	717.38	31+23.73	3	31.99	EOG
SS7	1025010.981	976319.655	717.42	31+17.74	3	37.72	LAND
SS8	1025011.659	976319.255	717.4	31+17.34	3	37.04	FL
SS9	1025013.373	976318.2402	717.41	31+16.32	3	35.33	EOG
SS10	1025004.47	976311.7163	717.48	31+09.81	3	44.24	LAND
SS11	1025004.959	976311.1722	717.46	31+09.26	3	43.75	FL
SS12	1025006.219	976309.7676	717.47	31+07.86	3	42.50	EOG
SS13	1024998.47	976307.4133	717.5	31+05.51	3	50.25	LAND
SS14	1024998.47	976306.681	717.48	31+04.78	3	50.25	FL
SS15	1024998.47	976304.7579	717.5	31+02.86	3	50.25	EOG
SS16	1024993.13	976304.9901	718.15	31+03.10	3	55.59	BOC
SS17	1024993.237	976304.4438	717.69	31+02.55	3	55.49	FL
SS18	1024993.543	976302.8855	717.7	31+00.99	3	55.18	EOG
SS19	1024998.47	976311.7163	717.53	31+09.82	3	50.24	LAND
SS20	1025010.981	976325.655	717.4	31+23.74	3	37.71	LAND
SS21	1025004.47	976319.655	717.67	31+17.75	3	44.23	LAND
SS22	1025004.47	976325.655	717.6	31+23.75	3	44.22	LAND
SS23	1024998.47	976319.655	717.74	31+17.76	3	50.23	LAND
SS24	1024998.47	976325.655	717.67	31+23.76	3	50.22	LAND
SS25	1024993.497	976319.772	717.74	31+17.88	3	55.20	SW
SS26	1024993.579	976324.87	717.73	31+22.98	3	55.11	SW
SS27	1025004.304	976331.6769	717.47	31+29.77	3	44.38	SW
SS28	1024998.506	976331.664	717.56	31+29.76	3	50.18	SW

- LANDING/TURNING SPACE
- TRANSITION PANEL

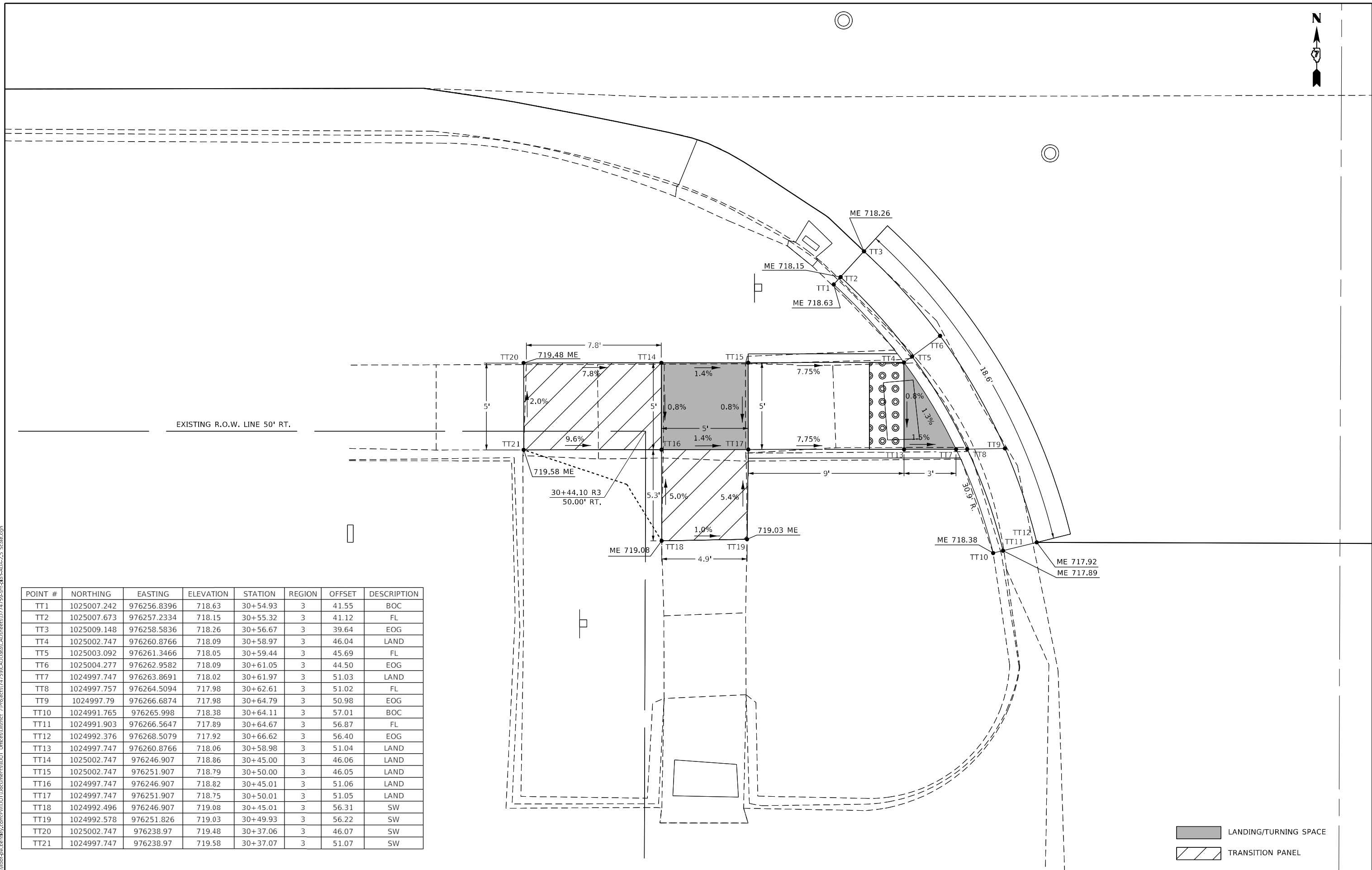
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PLOT DATE	= 7/10/2023	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA DETAILS
SE QUADRANT - 7TH ST.

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	50ZRS-4	COLES	264	127
CONTRACT NO. 74759				
		ILLINOIS	FED. AID PROJECT	



LANDING/TURNING SPACE

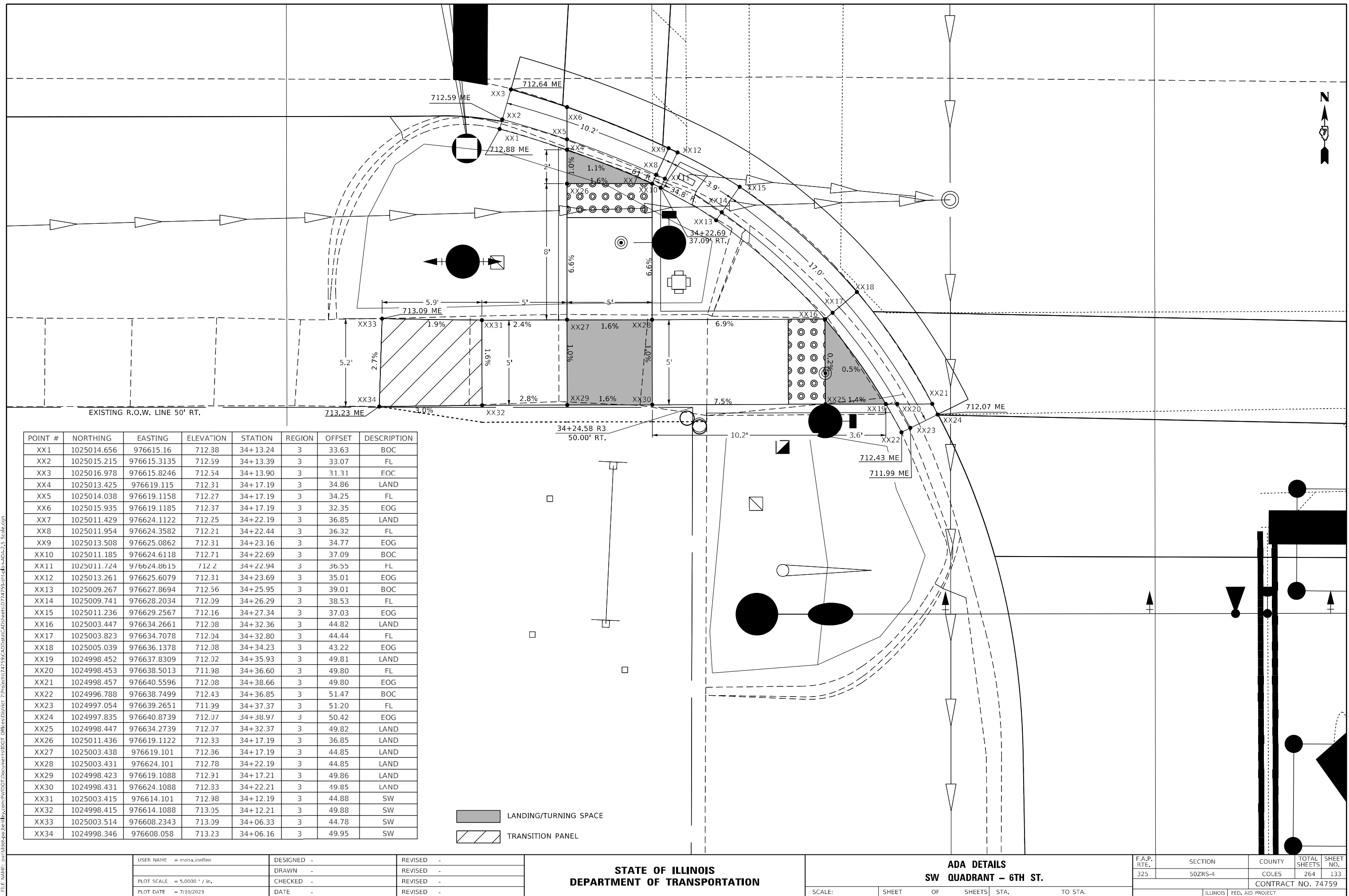
TRANSITION PANEL

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	50ZRS-4	COLES	264	128
		CONTRACT NO. 74759		
ILLINOIS		FED. AID PROJECT		

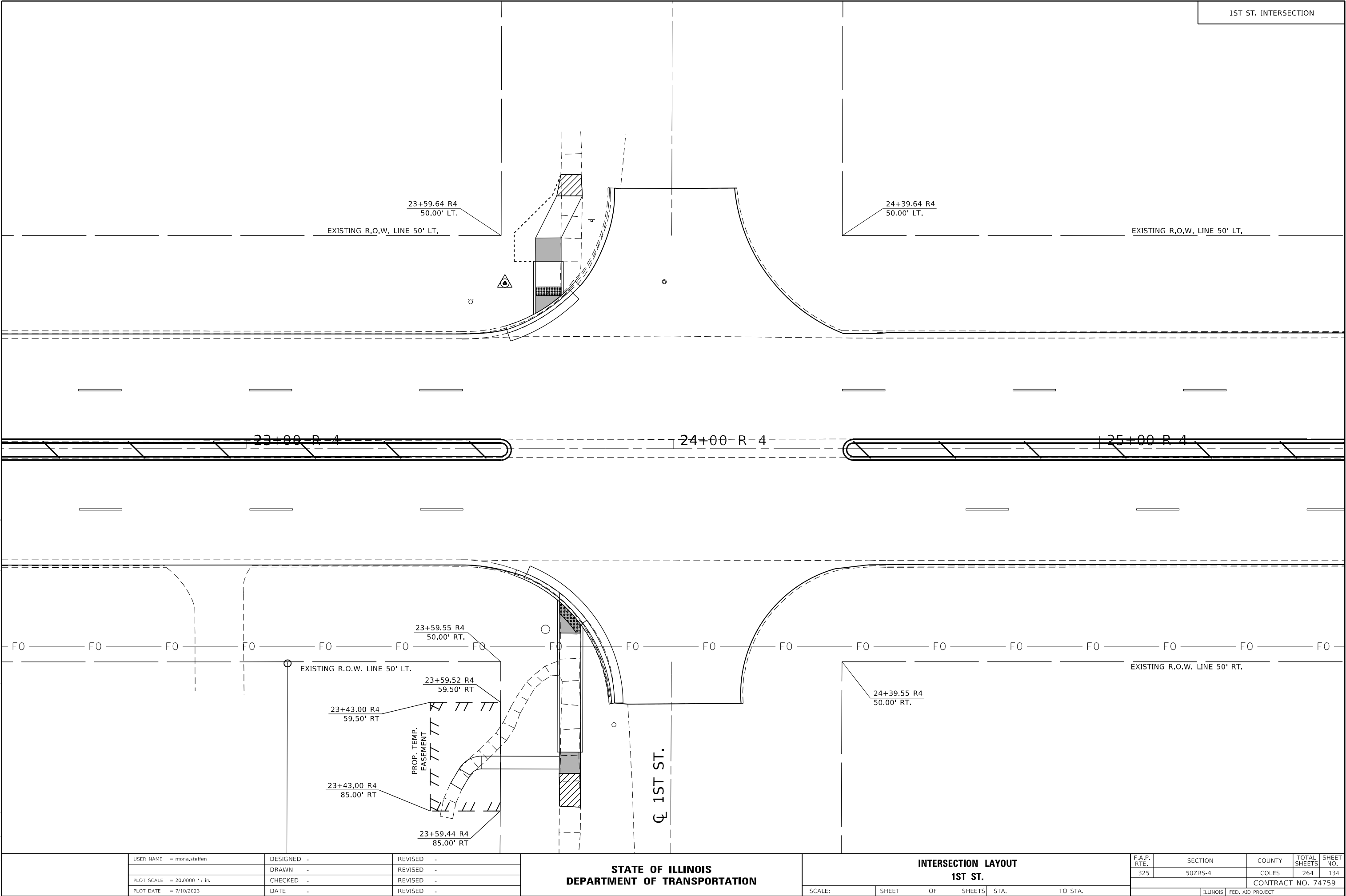
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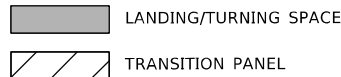






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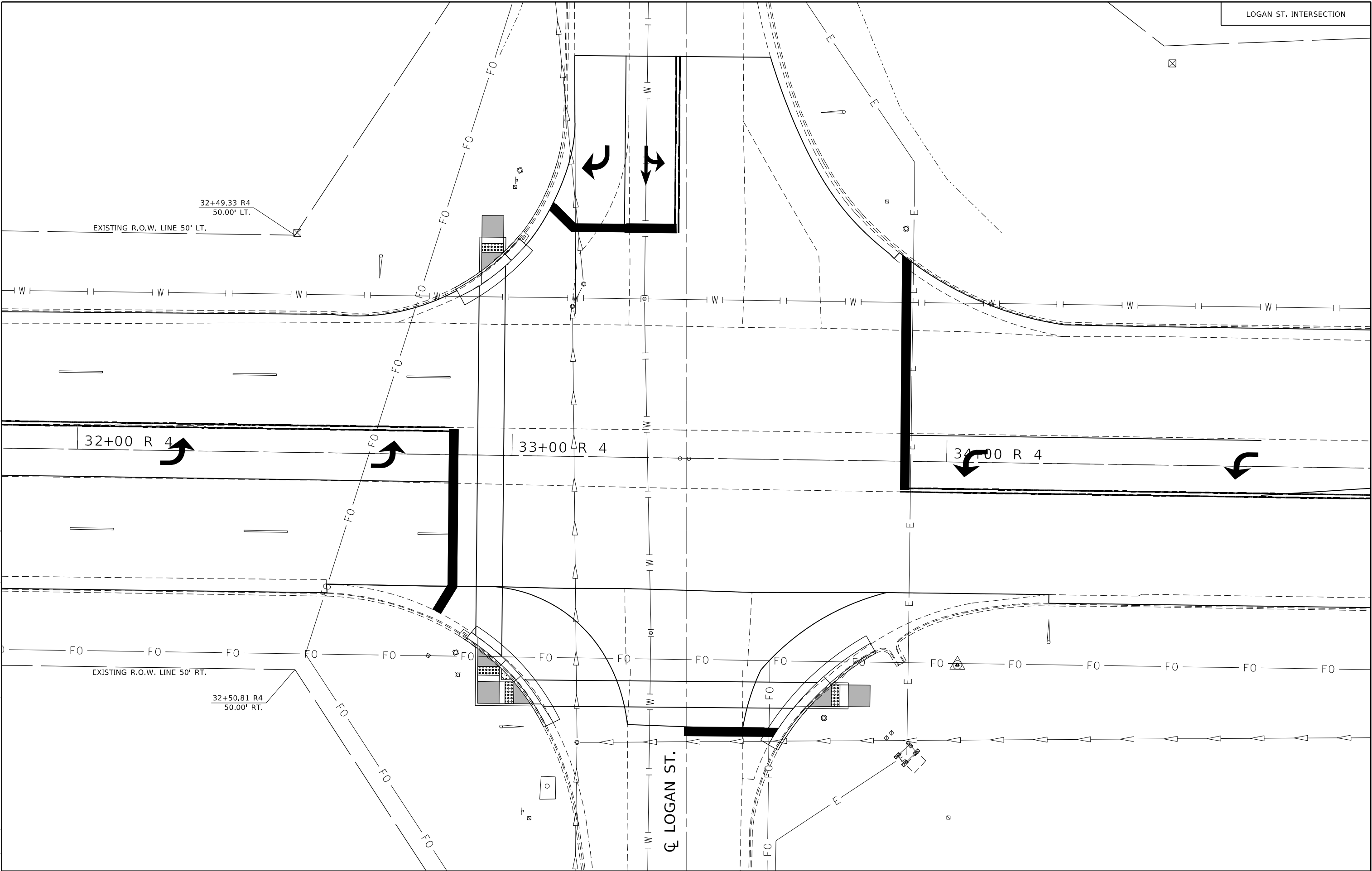




STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	50ZR5-4	COLES	264	136
		CONTRACT NO. 74759		
		ILLINOIS	FED. AID PROJECT	

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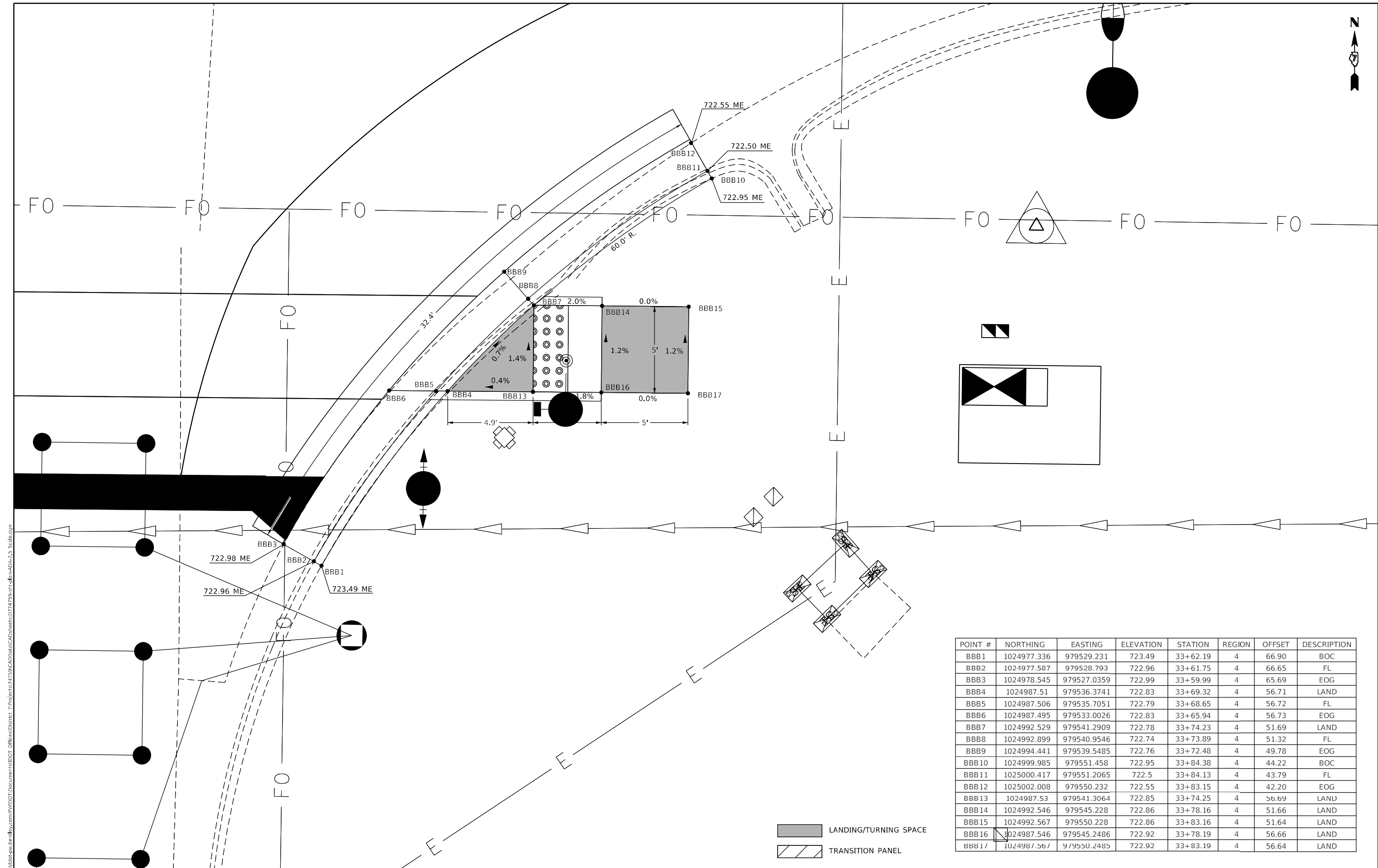
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PLOT DATE	= 7/10/2023	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION LAYOUT LOGAN ST.				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	50ZRS-4	COLES	264	137
CONTRACT NO. 74759				
ILLINOIS FED. AID PROJECT				

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POINT #	NORTHING	EASTING	ELEVATION	STATION	REGION	OFFSET	DESCRIPTION
BBB1	1024977.336	979529.231	723.49	33+62.19	4	66.90	BOC
BBB2	1024977.587	979528.793	722.96	33+61.75	4	66.65	FL
BBB3	1024978.545	979527.0359	722.99	33+59.99	4	65.69	EOG
BBB4	1024987.51	979536.3741	722.83	33+69.32	4	56.71	LAND
BBB5	1024987.506	979535.7051	722.79	33+68.65	4	56.72	FL
BBB6	1024987.495	979533.0026	722.83	33+65.94	4	56.73	EOG
BBB7	1024992.529	979541.2909	722.78	33+74.23	4	51.69	LAND
BBB8	1024992.899	979540.9546	722.74	33+73.89	4	51.32	FL
BBB9	1024994.441	979539.5485	722.76	33+72.48	4	49.78	EOG
BBB10	1024999.985	979551.458	722.95	33+84.38	4	44.22	BOC
BBB11	1025000.417	979551.2065	722.5	33+84.13	4	43.79	FL
BBB12	1025002.008	979550.232	722.55	33+83.15	4	42.20	EOG
BBB13	1024987.53	979541.3064	722.85	33+74.25	4	56.69	LAND
BBB14	1024992.546	979545.228	722.86	33+78.16	4	51.66	LAND
BBB15	1024992.567	979550.228	722.86	33+83.16	4	51.64	LAND
BBB16	1024987.546	979545.2486	722.92	33+78.19	4	56.66	LAND
BBB17	1024987.567	979550.2485	722.92	33+83.19	4	56.64	LAND

USER NAME	= mona.steffen	DESIGNED	-	REVISED	-
DRAWN	-	REVIS	-	REVISED	-
PLOT SCALE	= 5,0000 ' / in.	CHECKED	-	REVISED	-
PLOT DATE	= 7/10/2023	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA DETAILS			
SE QUADRANT – LOGAN ST.			
SCALE:	SHEET	OF	SHEETS
STA.	TO STA.		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	50ZRS-4	COLES	264	139
CONTRACT NO. 74759				
ILLINOIS FED. AID PROJECT				

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POINT #	NORTHING	EASTING	ELEVATION	STATION	REGION	OFFSET	DESCRIPTION
CCC1	1025001.77	979456.924	722.94	32+89.85	4	42.56	BOC
CCC2	1025002.252	979457.3216	722.41	32+90.24	4	42.08	FL
CCC3	1025003.53	979458.3571	722.22	32+91.28	4	40.80	EOG
CCC4	1024999.812	979459.8715	722.4	32+92.80	4	44.52	LAND
CCC5	1025000.529	979459.8686	722.36	32+92.79	4	43.80	FL
CCC6	1025002.356	979459.8611	722.38	32+92.78	4	41.97	EOG
CCC7	1024995.7	979464.8884	722.5	32+97.82	4	48.62	LAND
CCC8	1024996.134	979465.2876	722.46	32+98.22	4	48.19	FL
CCC9	1024997.222	979466.3106	722.52	32+99.24	4	47.10	EOG
CCC10	1024992.23	979468.259	722.63	33+01.19	4	52.09	LAND
CCC11	1024992.616	979468.6964	722.59	33+01.63	4	51.70	FL
CCC12	1024993.608	979469.8216	722.65	33+02.75	4	50.71	EOG
CCC13	1024987.249	979472.1109	722.68	33+05.05	4	57.06	LAND
CCC14	1024987.249	979472.8232	722.64	33+05.77	4	57.06	FL
CCC15	1024987.256	979474.6105	722.7	33+07.55	4	57.05	EOG
CCC16	1024981.905	979475.282	723.4	33+08.23	4	62.40	BOC
CCC17	1024982.17	979475.8012	722.9	33+08.75	4	62.14	FL
CCC18	1024982.977	979477.433	722.94	33+10.38	4	61.33	EOG
CCC19	1024987.23	979468.2795	722.7	33+01.22	4	57.09	LAND
CCC20	1024995.68	979459.8885	722.44	32+92.82	4	48.65	LAND
CCC21	1024992.196	979459.9028	722.65	32+92.84	4	52.13	LAND
CCC22	1024992.217	979464.9027	722.65	32+97.84	4	52.11	LAND
CCC23	1024987.196	979459.9233	722.72	32+92.87	4	57.13	LAND
CCC24	1024987.217	979464.9232	722.72	32+97.87	4	57.11	LAND

- LANDING/TURNING SPACE
- TRANSITION PANEL

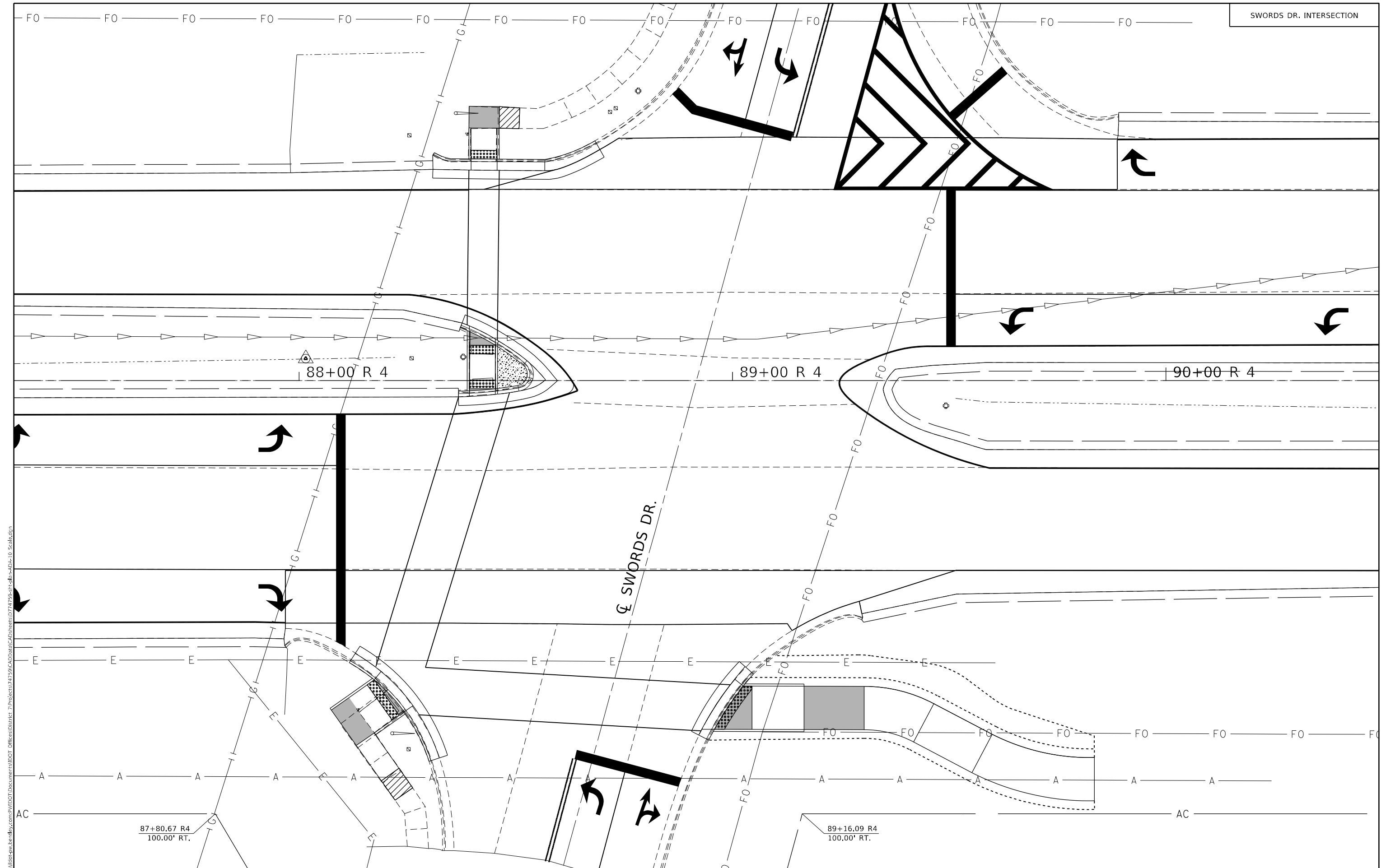
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA DETAILS
SW QUADRANT – LOGAN ST.

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	50ZRS-4	COLES	264	140
CONTRACT NO. 74759				
		ILLINOIS	FED. AID PROJECT	

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SWORDS DR. INTERSECTION

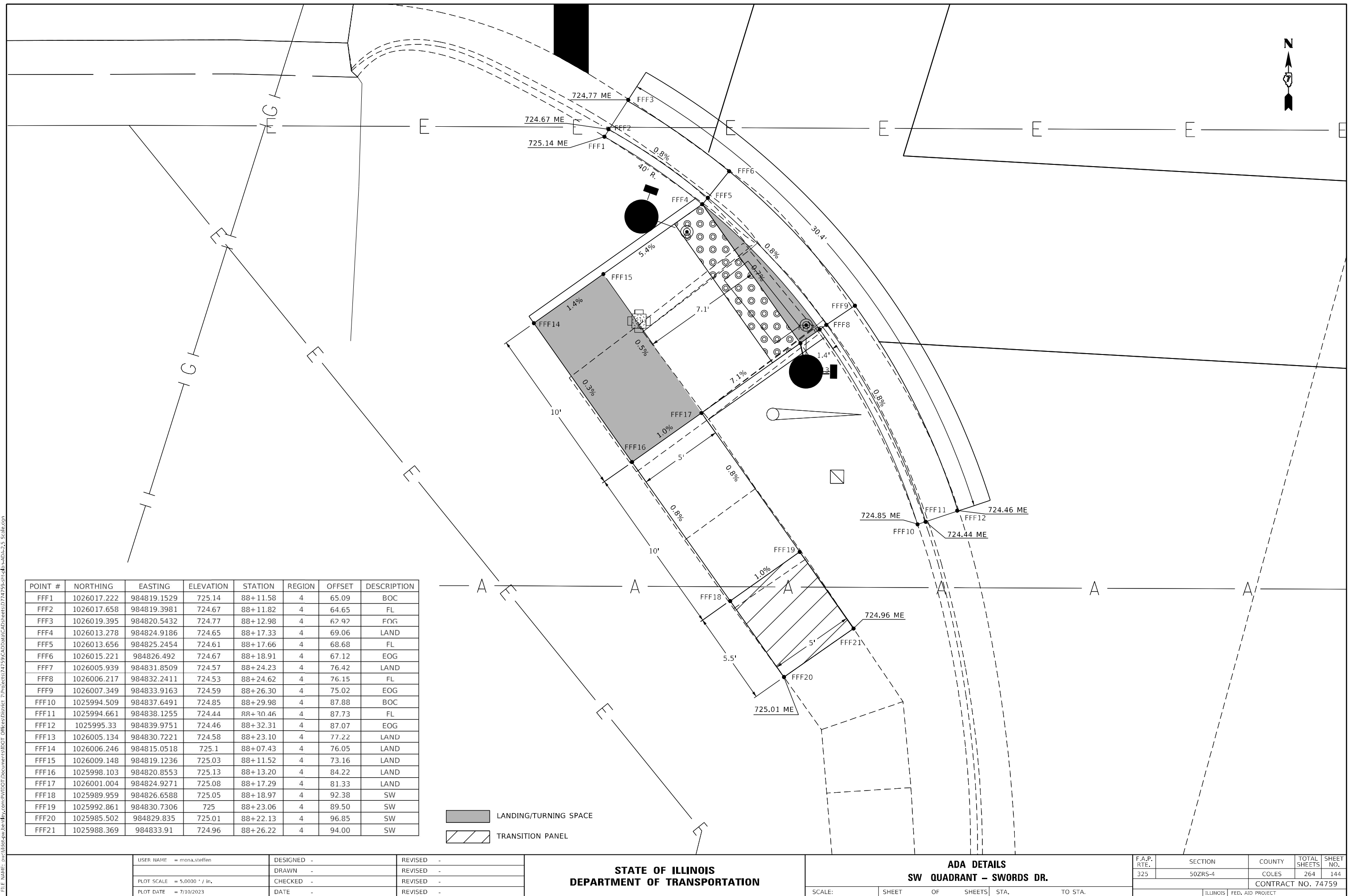
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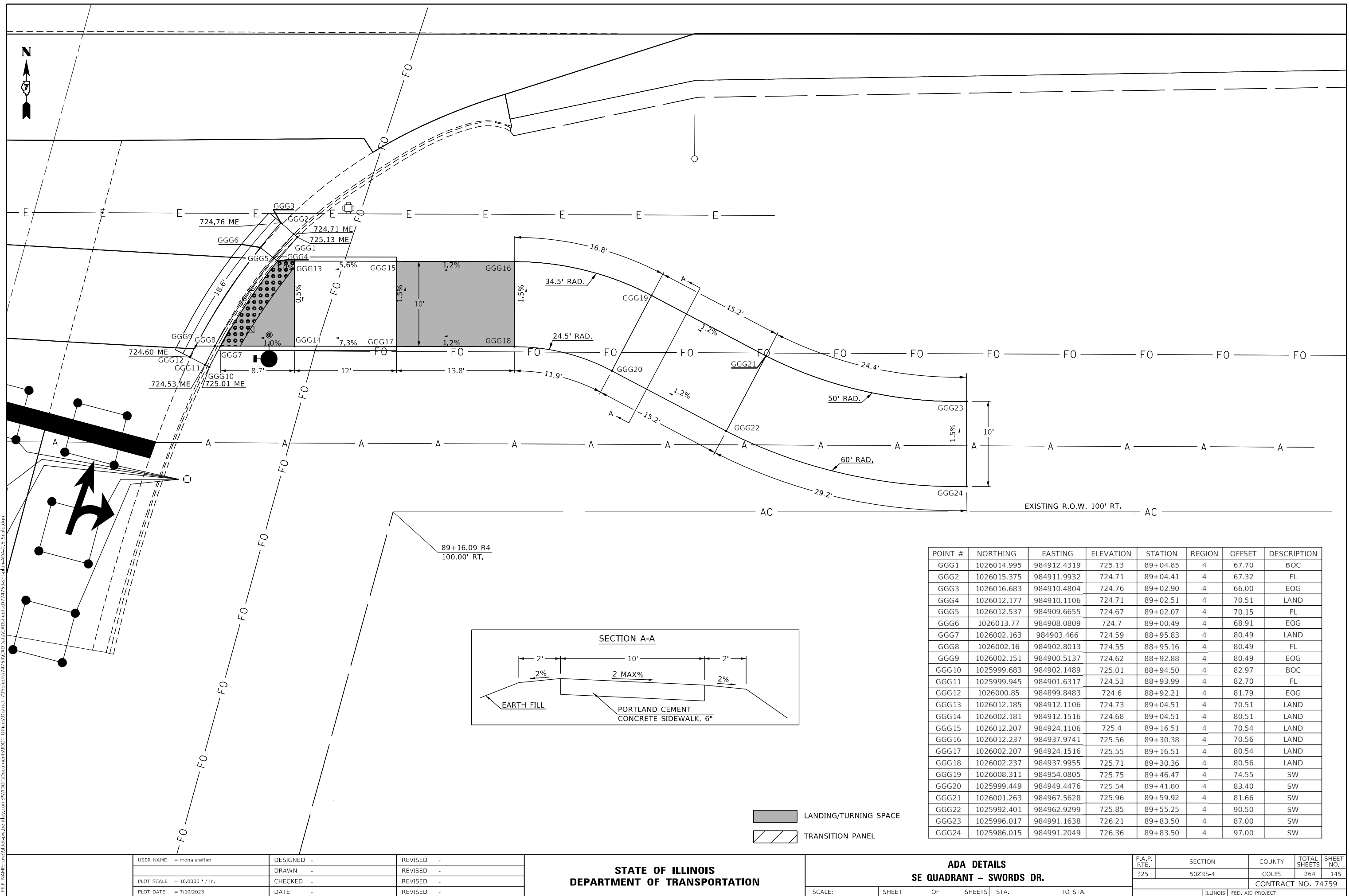
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION LAYOUT
SWORDS DR.

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	50ZRS-4	COLES	264	141
CONTRACT NO. 74759				
ILLINOIS FED. AID PROJECT				





TRAFFIC SIGNAL GENERAL NOTES

THIS TRAFFIC SIGNAL PORTION OF THIS PROJECT CONSISTS OF TRAFFIC SIGNAL MODERNIZATION AT 9 SEPARATE INTERSECTIONS ALONG CHARLESTON AVENUE-IL 16 (LAKE LAND BOULEVARD-US 45, 17TH STREET, 16TH STREET, 15TH STREET, 14TH STREET, 9TH STREET, 6TH STREET, LOGAN STREET, CRESTVIEW ROAD, DETTRO DRIVE, AND SWORDS DRIVE) ALL IN THE CITY OF MATTOON, COLES COUNTY. THE WORK INCLUDED IN THIS SECTION CONSISTS OF INSTALLING TRAFFIC SIGNALS AND ALL OTHER WORK NECESSARY TO COMPLETE THIS PORTION OF THIS PROJECT.

THE EXISTING UTILITY LINES ARE SHOWN ON THE PLANS TO INDICATE THEIR PRESENCE AND APPROXIMATE LOCATION. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION. CALL J.U.L.I.E. AT 1-800-892-0123. THE TRAFFIC SIGNAL UTILITY LINES WILL BE LOCATED BY IDOT, CALL 217-342-3951.

THE TRAFFIC SIGNAL ENGINEER AT THE ILLINOIS DEPARTMENT OF TRANSPORTATION SHALL BE NOTIFIED AT 217-342-8291 AT LEAST 72 HOURS PRIOR TO TURNING ON ANY FLASHER OR CONTROLLER UNIT.

THE SIZE OF THE CABLE SUPPLIED SHALL BE EQUAL TO OR GREATER THAN THE SIZE OF THE CABLE REQUIRED TO CARRY THE LOAD BETWEEN THE CONTROLLER AND THE SERVICE INSTALLATION.

A 2 FOOT MINIMUM, 6 FOOT DESIRABLE, HORIZONTAL CLEARANCE SHALL BE MAINTAINED FROM THE BACK OF CURB TO THE EDGE OF HANDHOLES, JUNCTION BOXES AND SIGNAL POST FOUNDATIONS. A 5 FOOT MINIMUM HORIZONTAL CLEARANCE SHALL BE MAINTAINED FROM THE BACK OF THE CURB TO ALL MAST ARM FOUNDATIONS. CONTROLLER FOUNDATIONS SHALL BE LOCATED AS FAR FROM THE BACK OF THE CURB AS POSSIBLE TO PROTECT THE CONTROLLER CABINET.

ALL HARDWARE SHALL BE TIGHTENED AND WELL SECURED. CABLES SHALL BE NEATLY WOUND IN HANDHOLES. CABLES SHALL BE NEATLY TRAINED IN THE CONTROLLER CABINET.

ALL THREADS OF BOLTS USED IN ASSEMBLY OF TRAFFIC SIGNAL COMPONENTS SHALL BE COATED WITH A NON-LEAD BASED ANTI-SEIZE COMPOUND, SIMILAR TO LEAD PLATE, PRIOR TO ASSEMBLY.

NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 2 FOOT MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.

THE CONTRACTOR IS RESPONSIBLE FOR UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THE COST OF THIS WORK IS TO BE INCLUDED WITH THE ELECTRICAL WORK PAY ITEM.

THE NUMBER OF CONDUCTORS FOR ELECTRIC CABLES AS SHOWN ON THE PLANS SHALL BE THE MINIMUM NUMBER OF CONDUCTORS FURNISHED FOR EACH LOCATION. THE CONTRACTOR MAY SUBSTITUTE AN ELECTRIC CABLE WITH MORE CONDUCTORS THAN SPECIFIED BUT NO ADDITIONAL COMPENSATION WILL BE MADE FOR THE EXTRA CONDUCTORS.

ALL NEW TRAFFIC SIGNAL WIRING SHALL EXTEND FROM CONTROLLER TO SIGNAL. SPLICES IN HANDHOLES WILL BE ALLOWED ONLY FOR DETECTOR LOOPS IN THE FIRST HANDHOLE OR GULFBOX FROM THE EDGE OF PAVEMENT OR INSIDE THE HANDHOLE LOCATED ON THE MAST ARM POLE FOR ANY SIGNAL HEADS LOCATED ON THE MAST ARM.

ALL MAST ARM MOUNTED SIGNAL HEADS ON AN INDIVIDUAL MAST ARM SHALL BE MOUNTED SO THAT THE RED INDICATIONS ARE LEVEL WITH EACH OTHER.

ALL MAST ARM MOUNTED SIGNAL HEADS SHALL BE MOUNTED AS TO ALIGN WITH THE CENTER OF THE LANE.

TRAFFIC SIGNAL HEADS SHALL BE PROPERLY COVERED PRIOR TO INTERSECTION TURN-ON OR AS DIRECTED BY THE ENGINEER. THIS COST SHALL BE INCLUDED WITH THE COST OF THE ASSOCIATED SIGNAL HEAD PAY ITEMS.

ALL TRAFFIC SIGNAL MAST ARM ASSEMBLIES (STANDARD, COMBINATION, OR DUAL) MUST BE DESIGNED FOR THE LOADINGS SHOWN ON THE HIGHWAY STANDARDS OR THESE SIGNAL PLANS, WHICHEVER IS GREATER.

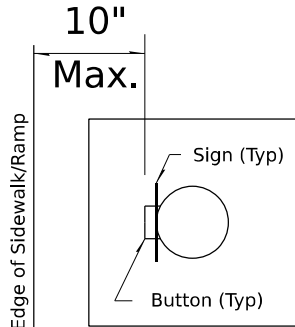
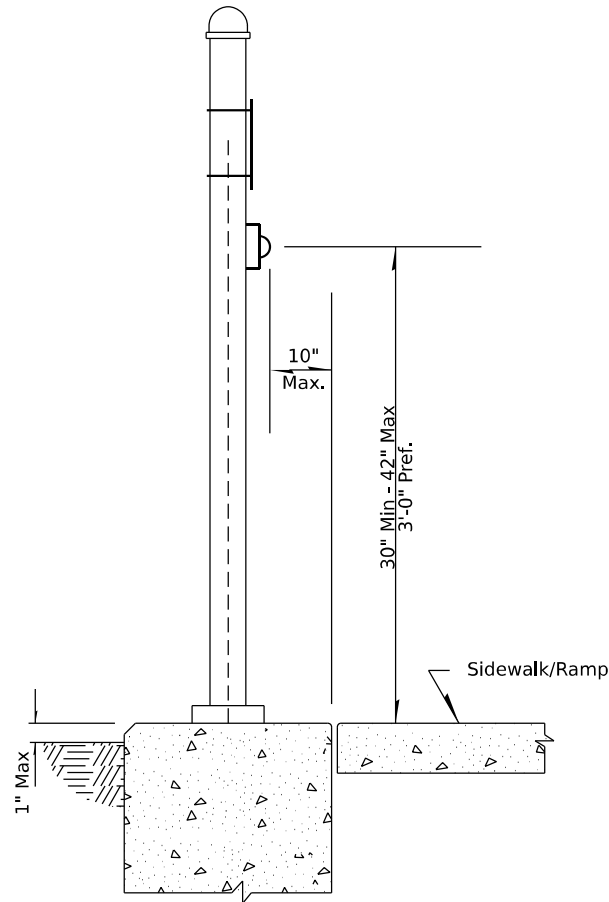
NUMBER OF TURNS REQUIRED IN DETECTOR LOOPS

LOOP SIZE IN (FT)						NUMBER OF TURNS	
6 X 6		6 X 30		6 X 40			
DISTANCE FROM CONTROLLER (FT)							
0 545 546 818 819 1145 1146 1527 1528 1964 1965 2455 2456 3000		0	491	0	627	2	TURNS
		492	982	628	1255	3	TURNS
		983	1636	1256	2091	4	TURNS
		1637	2455	2092	3136	5	TURNS
		2456	3436			6	TURNS
						7	TURNS
						8	TURNS
						9	TURNS
						10	TURNS

LEGEND

	EXISTING	PROPOSED
SIGNAL POST		
MAST ARM		
SIGNAL HEAD W/ BACKPLATE		
CONTROLLER		
HANDHOLE		
GULFBOX JUNCTION		
DOUBLE HANDHOLE		
DETECTOR LOOP		
TRAFFIC SIGNAL HEAD		
EMERGENCY VEHICLE PRE-EMPTION		
LUMINAIRE, LED, HORZ MOUNT, OUTPUT DESIGNATION G, 15 FT DAVIT ARM, 40 FT MOUNTING HEIGHT		
LUMINAIRE, LED, HORZ MOUNT, OUTPUT DESIGNATION H, 15 FT DAVIT ARM, 40 FT MOUNTING HEIGHT		

NOTE: PROWAG reach range requirements.



TOP VIEW

PEDESTRIAN PUSH-BUTTON LOCATION

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	HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE EUGEN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 18400889	USER NAME = nhalan	DESIGNED -	REVISED -
		DRAWN -	REVISED -	
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		PLOT DATE = 7/5/2023	DATE -	REVISED -

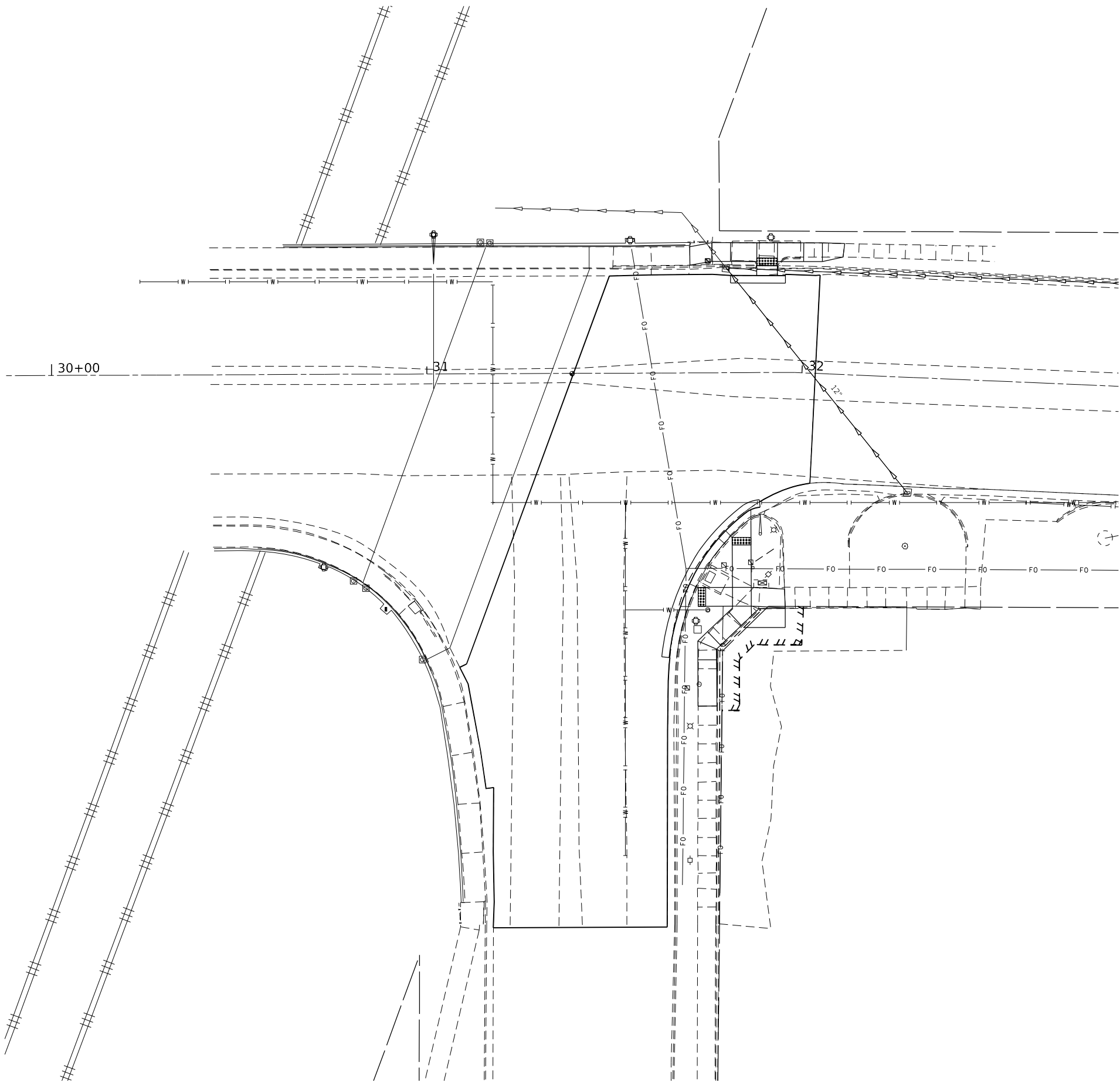
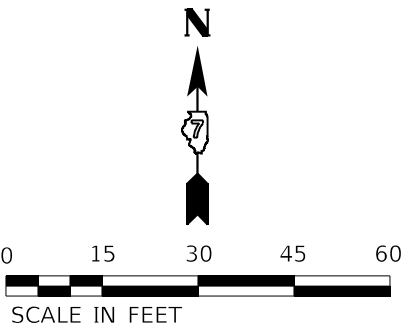
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL TRAFFIC SIGNAL
DETAILS

SCALE: SHEET 1 OF 88 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0325	50ZR5-4	COLES	264	146
CONTRACT NO. 74759				
ILLINOIS FED. AID PROJECT				

THE UTILITIES SHOWN ARE THE BEST REPRESENTATION
OF THEIR LOCATIONS AT THE TIME OF THIS SURVEY.
THE CONTRACTOR IS RESPONSIBLE FOR HAVING THE
UTILITIES LOCATED PRIOR TO CONSTRUCTION.



MODEL: Default
FILE NAME: P:\2021\12\0457\Con02_Design\CADD_Sheets\0774759-ht-ex-utility-01 lake land.dgn

**HAMPTON, LENZINI AND RENWICK, INC.**
380 SHEPARD DRIVE
EUGEN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 18400889

USER NAME	= nhalan
DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-

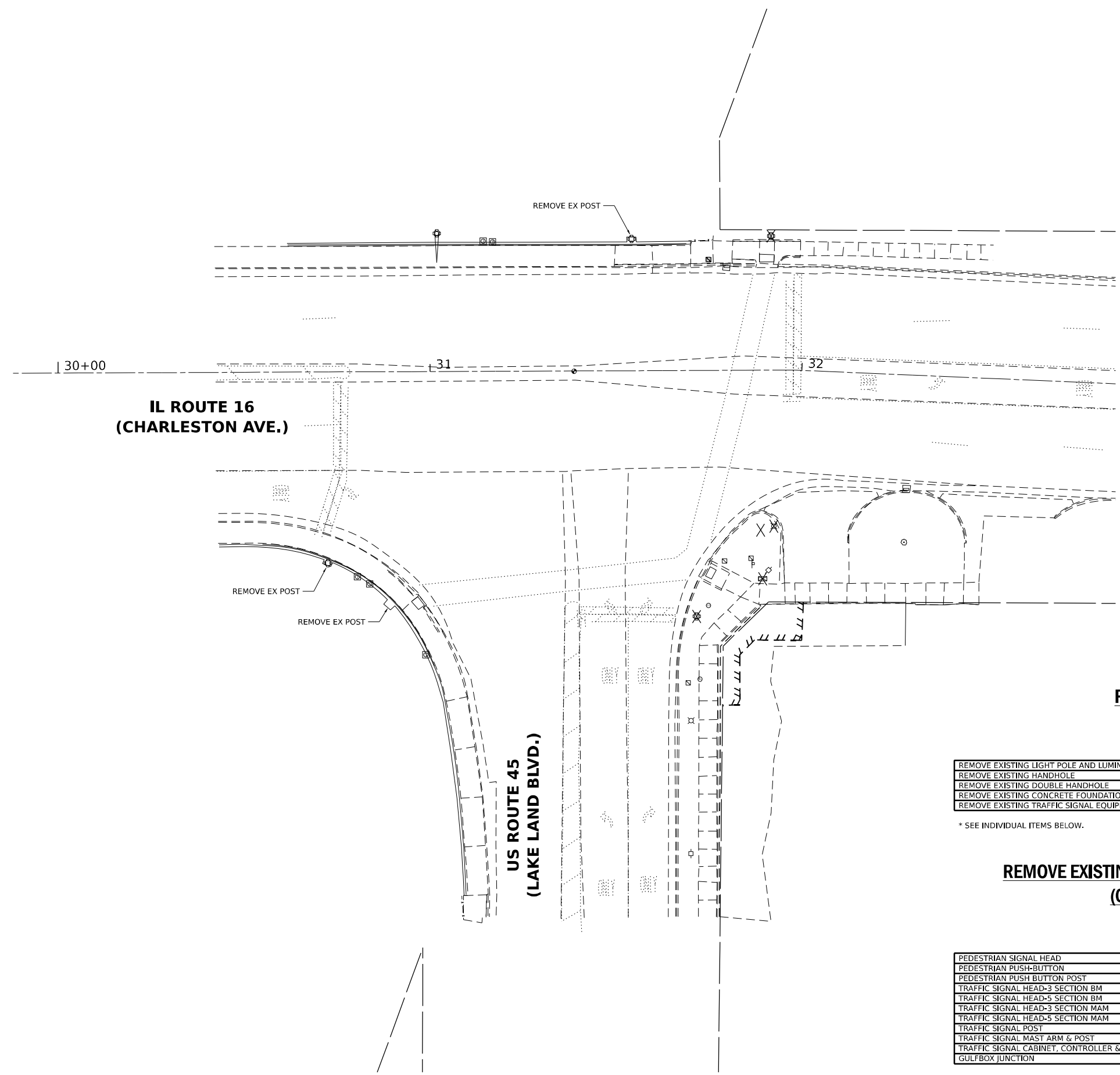
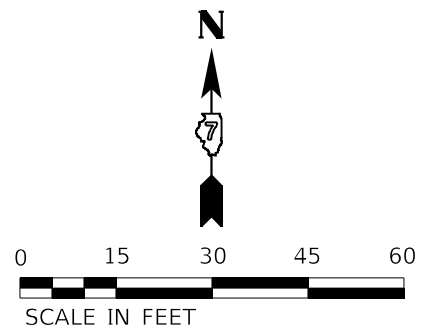
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PLOT DATE	= 7/5/2023

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION OF IL 16 (CHARLESTON AVE) & US 45 (LAKE LAND BLVD)
EXISTING UTILITY LAYOUT**

SCALE: 1"=30' SHEET 2 OF 88 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0325	50ZR5-4	COLES	264	147
CONTRACT NO. 74759				
		ILLINOIS	FED. AID PROJECT	



REMOVAL ITEMS

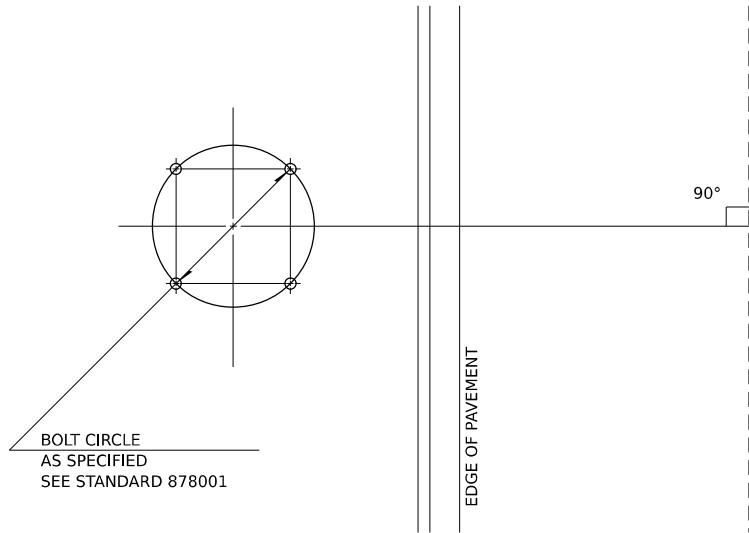
		TOTAL	NW	NE	SE	SW
REMOVE EXISTING LIGHT POLE AND LUMINAIRE	EACH	1	-	-	1	-
REMOVE EXISTING HANDHOLE	EACH	-	-	-	-	-
REMOVE EXISTING DOUBLE HANDHOLE	EACH	-	-	-	-	-
REMOVE EXISTING CONCRETE FOUNDATION	EACH	3	-	1	2	-
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT *	EACH	1	-	-	-	-

* SEE INDIVIDUAL ITEMS BELOW.

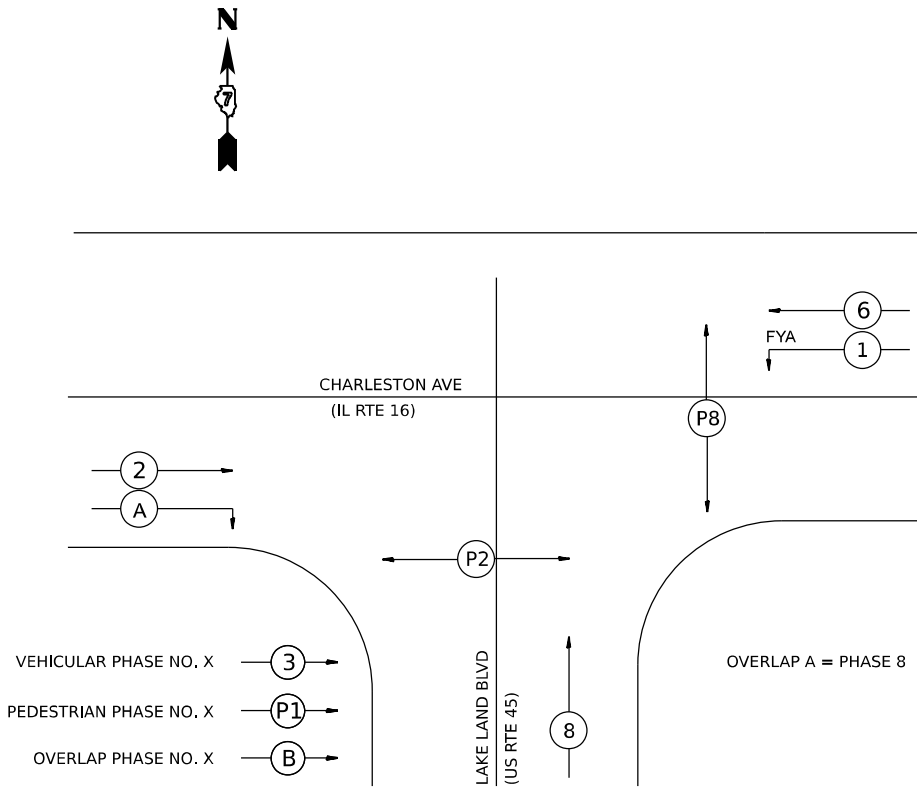
**REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
(QUANTITY: 1 EACH)**

	TOTAL	NW	NE	SE	SW
PEDESTRIAN SIGNAL HEAD	4	-	1	2	1
PEDESTRIAN PUSH-BUTTON	-	-	-	-	-
PEDESTRIAN PUSH BUTTON POST	-	-	-	-	-
TRAFFIC SIGNAL HEAD-3 SECTION BM	4	1	2	1	-
TRAFFIC SIGNAL HEAD-3 SECTION BM	3	-	-	1	2
TRAFFIC SIGNAL HEAD-3 SECTION MAM	3	1	-	2	-
TRAFFIC SIGNAL HEAD-3 SECTION MAM	1	1	-	-	-
TRAFFIC SIGNAL POST	5	-	2	1	2
TRAFFIC SIGNAL MAST ARM & POST	1	-	-	1	-
TRAFFIC SIGNAL CABINET, CONTROLLER & COMPONENTS	1	-	-	1	-
GULFBOX JUNCTION	-	-	-	-	-

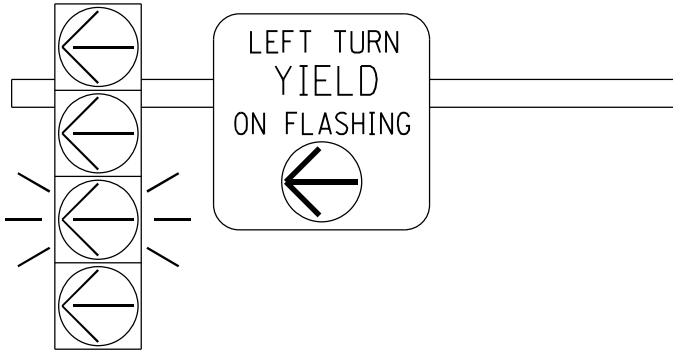
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DETAIL OF MAST ARM FOUNDATION
BOLT PATTERN

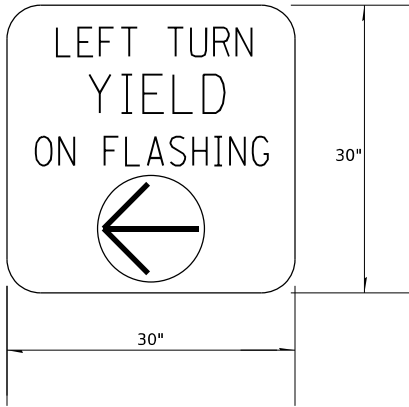


PHASE DESIGNATION DIAGRAM



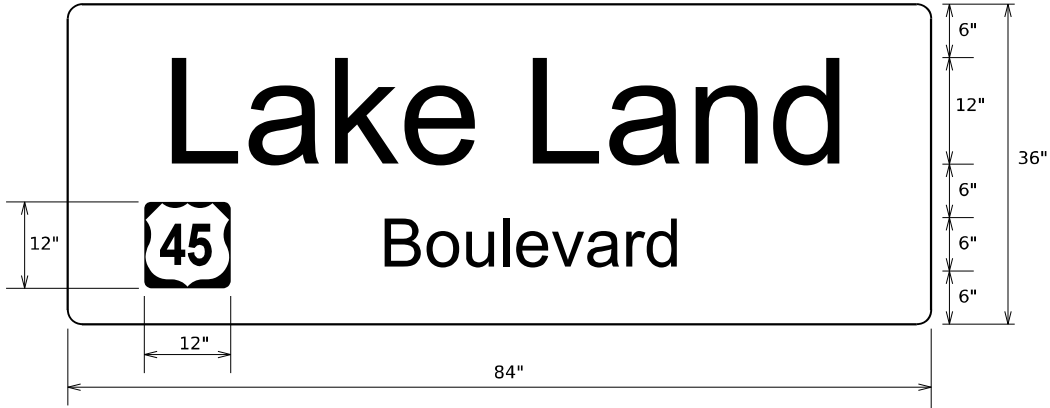
FLASHING YELLOW ARROW
SIGN PANEL DETAILS

- SIGN SHALL HAVE A BLACK REFLECTORIZED LEGEND AND BORDER ON A WHITE REFLECTORIZED BACKGROUND. ARROW IS YELLOW ON A BLACK BACKGROUND.
- AP SHEETING.
- SIGN TO BE INSTALLED DIRECTLY ADJACENT TO FYA SIGNAL HEAD ON MAST ARM.
- ILLINOIS STANDARD R10-I109a SIGN.



TO BE INSTALLED ON WESTBOUND MAST ARM (STA 31+02 37' LT)

- SIGN SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND.
- AP SHEETING.
- UPPER/LOWER CASE LETTERS, HIGHWAY D.



TO BE INSTALLED ON WESTBOUND MAST ARM (STA 31+02 37' LT)
TO BE INSTALLED ON EASTBOUND MAST ARM (STA 31+92 47' RT)

SIGN PANEL DETAILS

MODEL: Default
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HAMPTON, LENZINI AND RENWICK, INC.

380 SHEPARD DRIVE
ELEGANT, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
L.S. / P.E. / S.E. CORP. 18400589

USER NAME	= nhalan
DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-

DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION OF IL 16 (CHARLESTON AVE) & US 45 (LAKE LAND BLVD)
DETAILS

SCALE:	SHEET 8	OF 88	SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0325	50ZR5-4	COLES	264	153
CONTRACT NO. 74759				
ILLINOIS FED. AID PROJECT				

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HAMPTON, LENZINI AND RENWICK, INC.

580 SHEPARD DRIVE
EUGEN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 18400889

USER NAME	= nhalan
PLOT SCALE	= 40,0000 * / in.
PLOT DATE	= 7/5/2023

DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION OF IL 16 (CHARLESTON AVE) & US 45 (LAKE LAND BLVD)

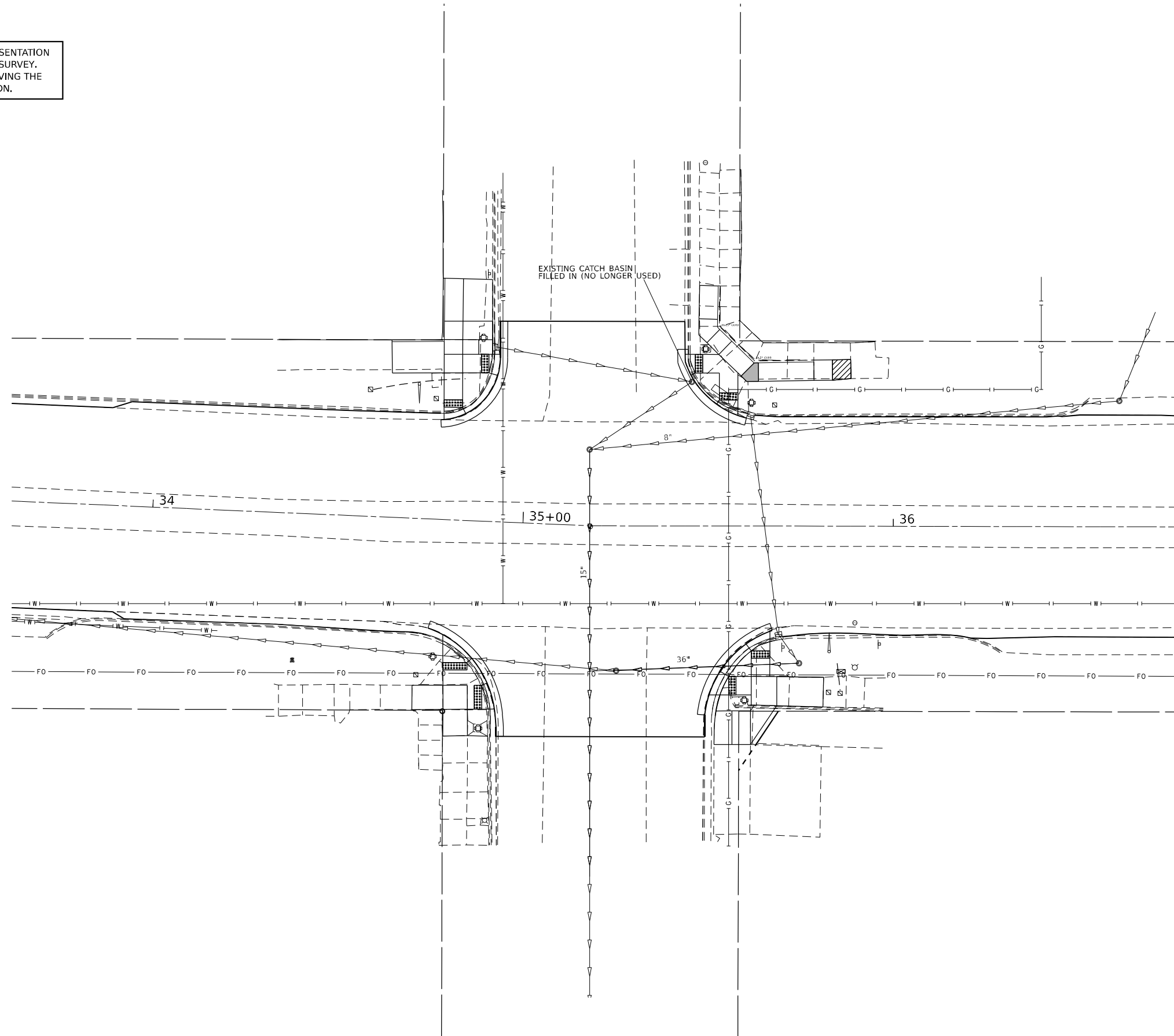
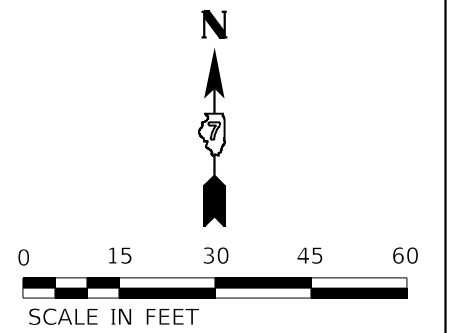
BILL OF MATERIALS

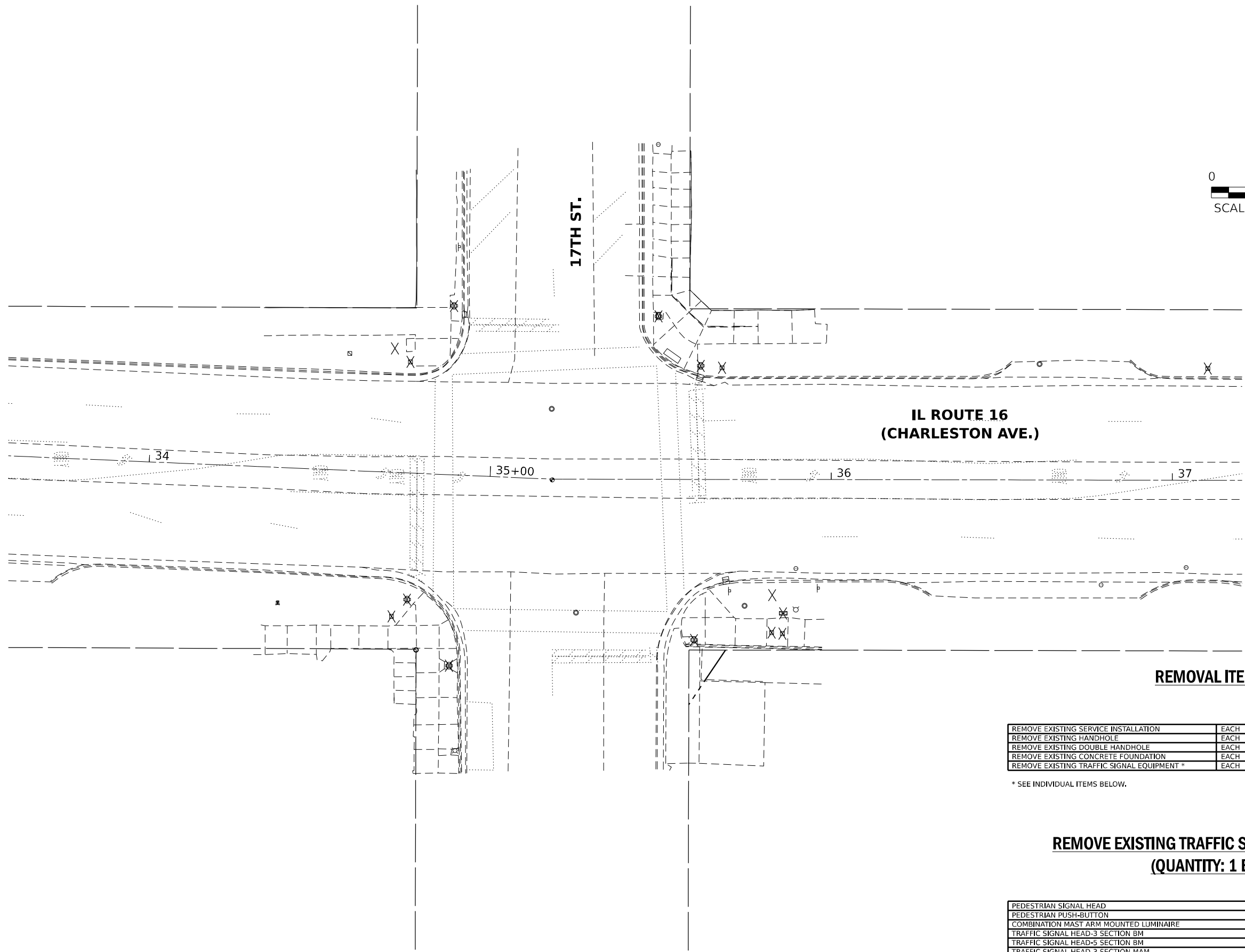
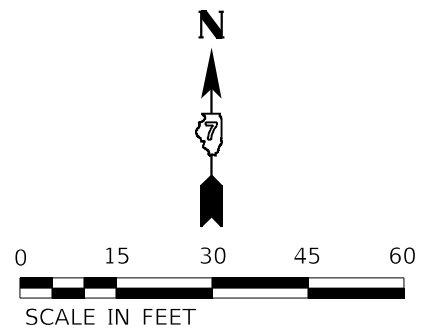
SCALE: N.T.S. SHEET 9 OF 88 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0325	50ZR5-4	COLES	264	154
CONTRACT NO. 74759				
		ILLINOIS	FED. AID PROJECT	

ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	7
SIGN PANEL - TYPE 2	SQ FT	21
UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	70
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	14
CONDUIT ATTACHED TO STRUCTURE, 1 1/2" DIA., GALVANIZED STEEL	FOOT	16
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 6"	EACH	1
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 8	FOOT	182
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	573
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	806
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	187
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 20 3C	FOOT	231
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	188
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 12 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	2
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	13
DRILL EXISTING HANDHOLE	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	4
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	12
CONFIRMATION BEACON	EACH	3
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	250
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	3
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4

THE UTILITIES SHOWN ARE THE BEST REPRESENTATION
OF THEIR LOCATIONS AT THE TIME OF THIS SURVEY.
THE CONTRACTOR IS RESPONSIBLE FOR HAVING THE
UTILITIES LOCATED PRIOR TO CONSTRUCTION.





REMOVAL ITEMS

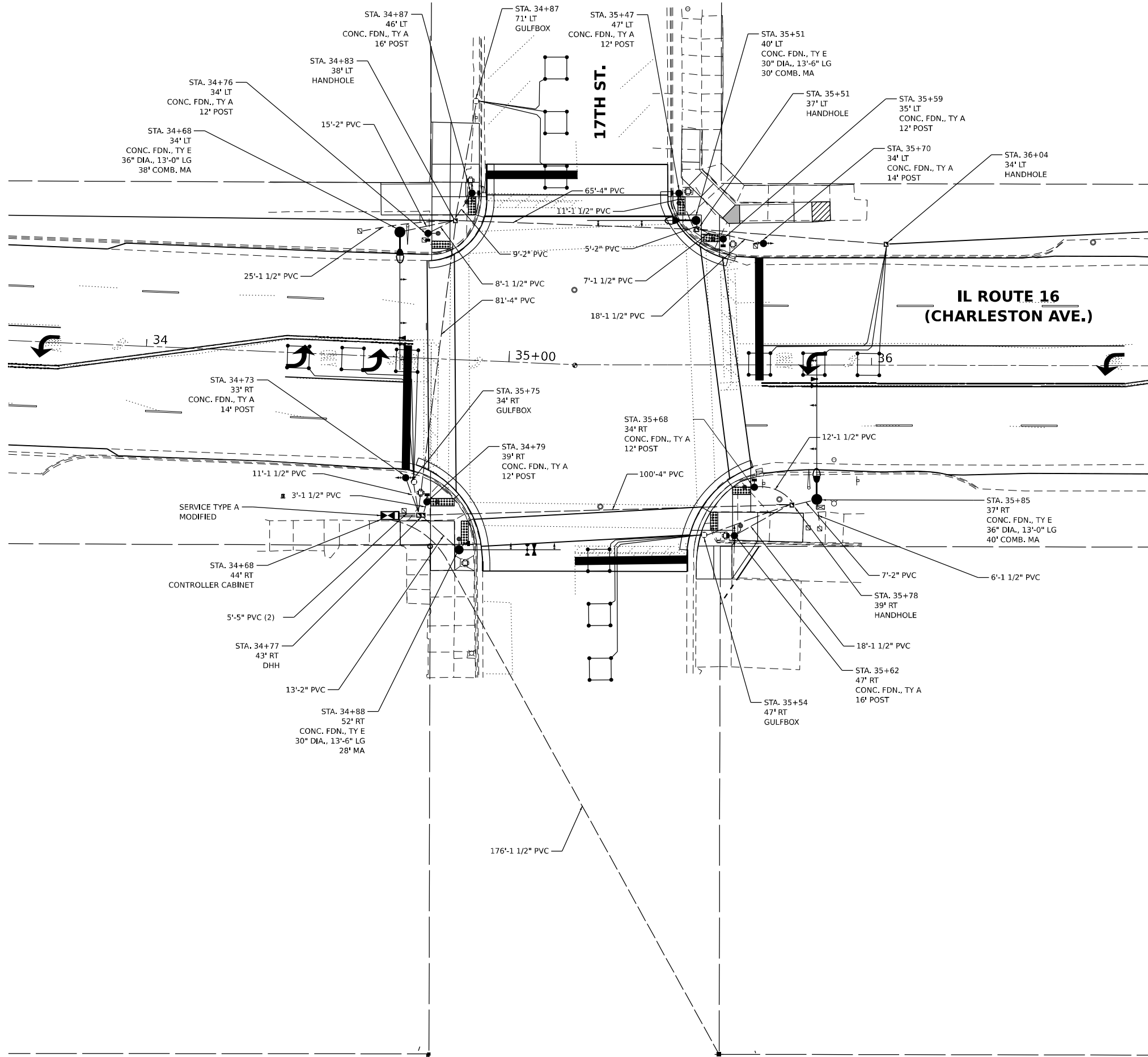
		TOTAL	NW	NE	SE	SW
REMOVE EXISTING SERVICE INSTALLATION	EACH	1	-	-	1	-
REMOVE EXISTING HANDHOLE	EACH	4	1	2	-	1
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1	-	-	1	-
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9	2	2	3	2
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT *	EACH	1	-	-	-	-

* SEE INDIVIDUAL ITEMS BELOW.

**REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
(QUANTITY: 1 EACH)**

	TOTAL	NW	NE	SE	SW
PEDESTRIAN SIGNAL HEAD	8	2	2	2	2
PEDESTRIAN PUSH-BUTTON	-	-	-	-	-
COMBINATION MAST ARM MOUNTED LUMINAIRE	2	1	-	1	-
TRAFFIC SIGNAL HEAD-3 SECTION BM	8	2	2	2	2
TRAFFIC SIGNAL HEAD-3 SECTION BM	-	-	-	-	-
TRAFFIC SIGNAL HEAD-3 SECTION MAM	4	2	-	2	-
TRAFFIC SIGNAL HEAD-5 SECTION MAM	-	-	-	-	-
TRAFFIC SIGNAL POST	6	1	2	1	2
TRAFFIC SIGNAL MAST ARM & POST	2	1	-	1	-
TRAFFIC SIGNAL CABINET, CONTROLLER & COMPONENTS	1	-	-	1	-
GULFBOX JUNCTION	-	-	-	-	-

MODEL: Default
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SEE DETECTOR LOOP
SHEET FOR LOCATION
AND INFORMATION

MODEL: Default
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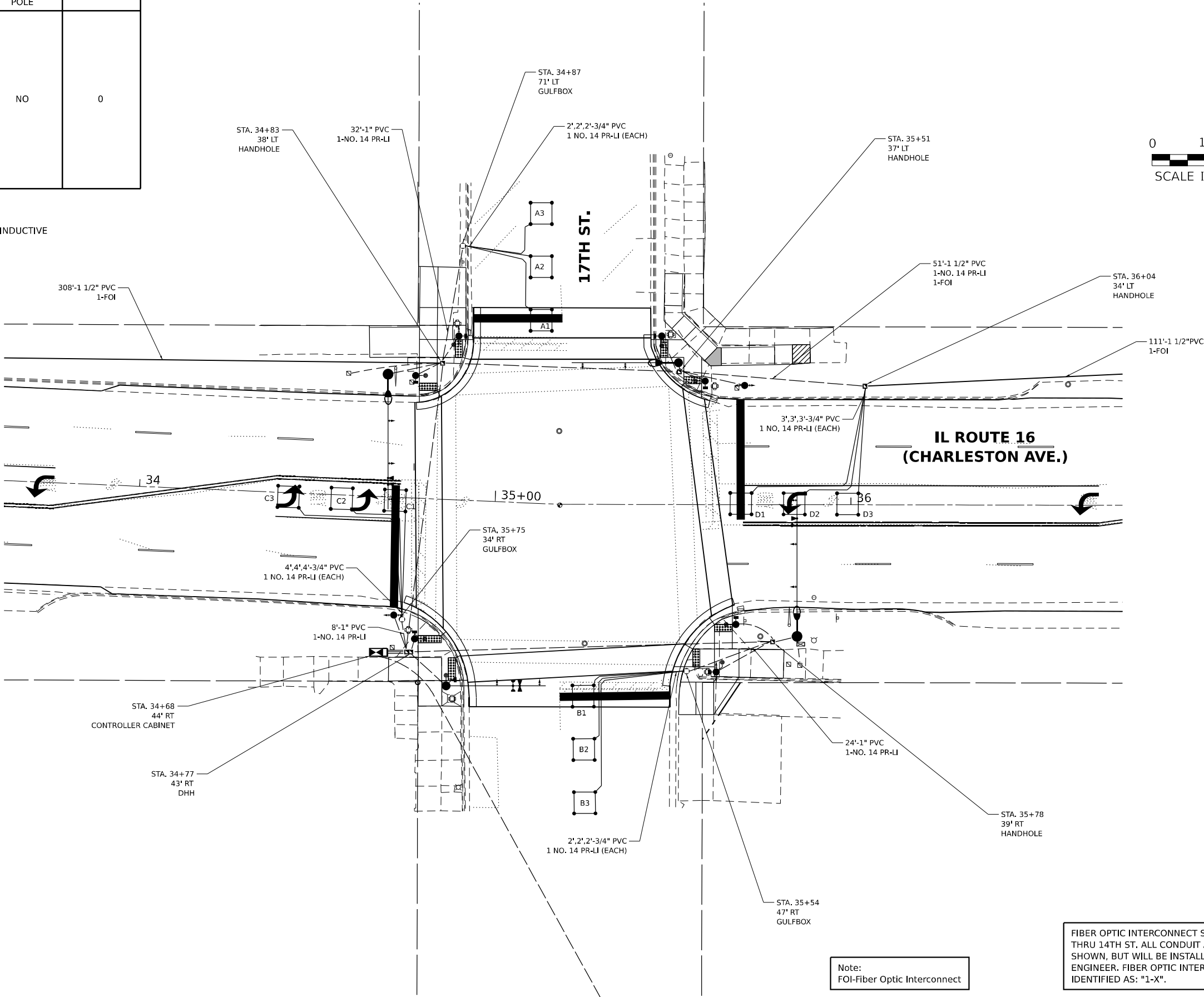
HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE EUGEN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 18400889		USER NAME = nhalan	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		INTERSECTION OF IL 16 (CHARLESTON AVE) & 17th STREET SIGNAL LAYOUT		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		PLOT SCALE = 30,0000' = 1" = 30'	DRAWN -	REVISED -					0325	50ZR5-4	COLES	264	157
		PLOT DATE = 7/5/2023	CHECKED -	REVISED -					CONTRACT NO. 74759				
			DATE -	REVISED -					ILLINOIS FED. AID PROJECT				
					SCALE = 30'		SHEET 12	OF 88 SHEETS	STA.	TO STA.			

LOOP	SIZE	MODE	QUADRA- POLE	DELAY
A1,A2,A3, B1,B2,B3, C1,C2,C3, D1,D2,D3	6' x 6'	NORMAL	NO	0

THE FOLLOWING CABLES SHALL BE WIRED TO COMMON INDUCTIVE LOOP DETECTOR:

(A1,A2,A3),
(B1,B2,B3),
(C1,C2,C3),
(D1,D2,D3)

4 INDUCTIVE LOOP DETECTORS PLUS 2 ADDITIONAL
TOTAL 6 INDUCTIVE LOOP DETECTORS



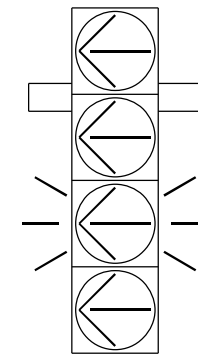
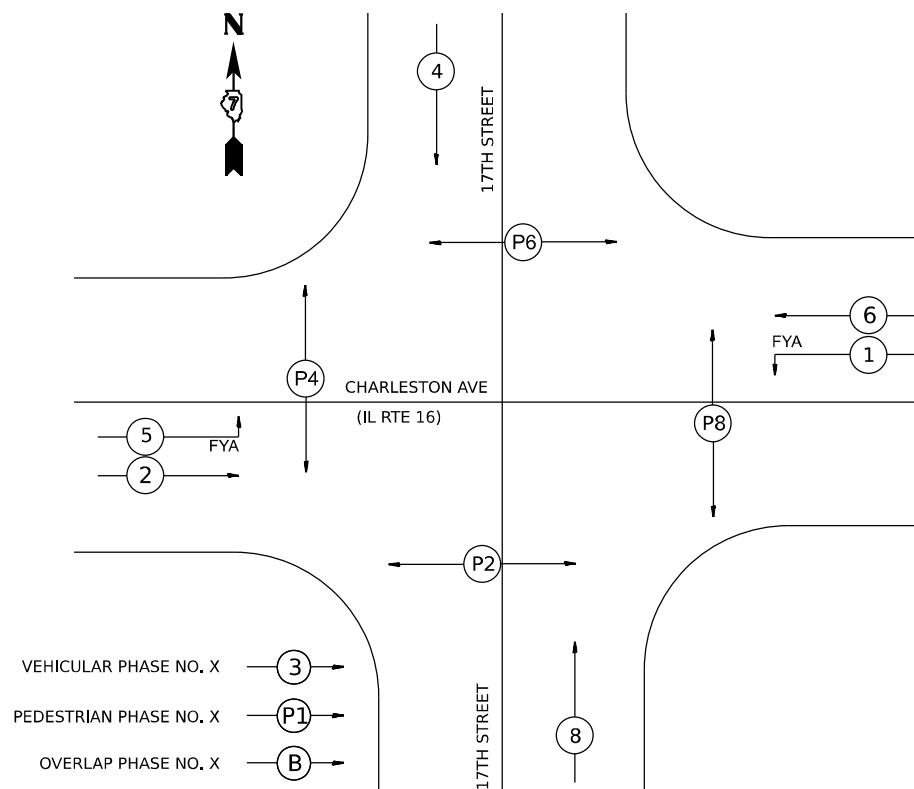
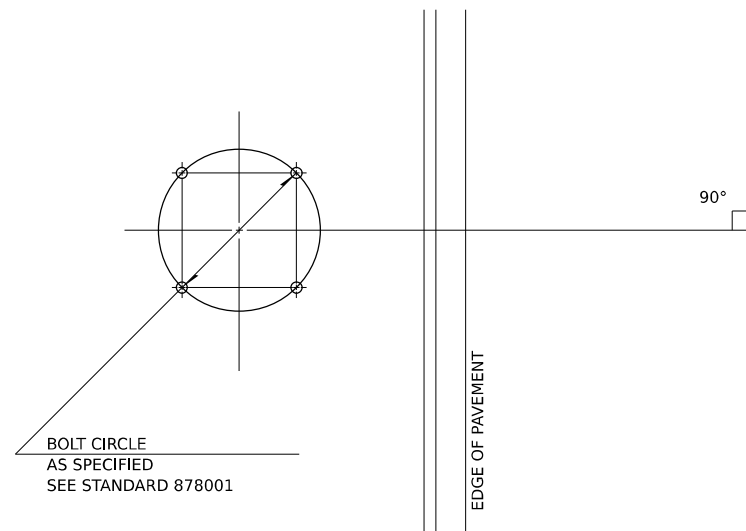
Note:
See "OVERVIEW OF FIBER OPTIC
INTERCONNECT" sheet for additional details.

Note:
FOI-Fiber Optic Interconnect

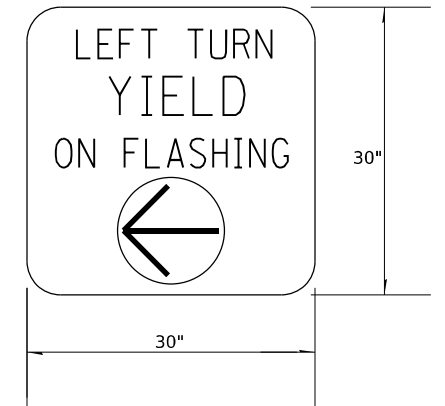
FIBER OPTIC INTERCONNECT SHALL CONNECT LAKE LAND BLVD
THRU 14TH ST. ALL CONDUIT AND GULFBOXES MAY NOT BE
SHOWN, BUT WILL BE INSTALLED AS DIRECTED BY THE
ENGINEER. FIBER OPTIC INTERCONNECT GULFBOXES WILL BE
IDENTIFIED AS: "1-X".

MODEL: Default
FILE NAME: P:\2021\1210457\Cad03 Design\CADD_Sheets\0774759-ht-detect-c02_17th_street.dgn

 HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE EUGEN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 18400889	USER NAME = nhalan	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERSECTION OF IL 16 (CHARLESTON AVE) & 17th STREET DETECTOR LOOPS & FIBER INTERCONNECT	SCALE: 1"=30'	SHEET 14 OF 88 SHEETS	STA. TO STA.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						0325	50ZR5-4	COLES	264	159
		PLOT SCALE = 30,0000 * / in.	CHECKED -						CONTRACT NO. 74759				
		PLOT DATE = 7/5/2023	DATE -						ILLINOIS FED. AID PROJECT				



1. SIGN SHALL HAVE A BLACK REFLECTORIZED LEGEND AND BORDER ON A WHITE REFLECTORIZED BACKGROUND. ARROW IS YELLOW ON A BLACK BACKGROUND.
2. AP SHEETING.
3. SIGN TO BE INSTALLED DIRECTLY ADJACENT TO FYA SIGNAL HEAD ON MAST ARM.
4. ILLINOIS STANDARD R10-I109a SIGN.



TO BE INSTALLED ON WESTBOUND MAST ARM (STA 34+68 34' LT)
TO BE INSTALLED ON EASTBOUND MAST ARM (STA 35+85 37' RT)

1. SIGN SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND.
2. AP SHEETING.
3. UPPER/LOWER CASE LETTERS, HIGHWAY D.



TO BE INSTALLED ON WESTBOUND MAST ARM (STA 34+68 34' LT)
TO BE INSTALLED ON EASTBOUND MAST ARM (STA 35+85 37' RT)

1. SIGN SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND.
2. AP SHEETING.
3. UPPER/LOWER CASE LETTERS, HIGHWAY D.

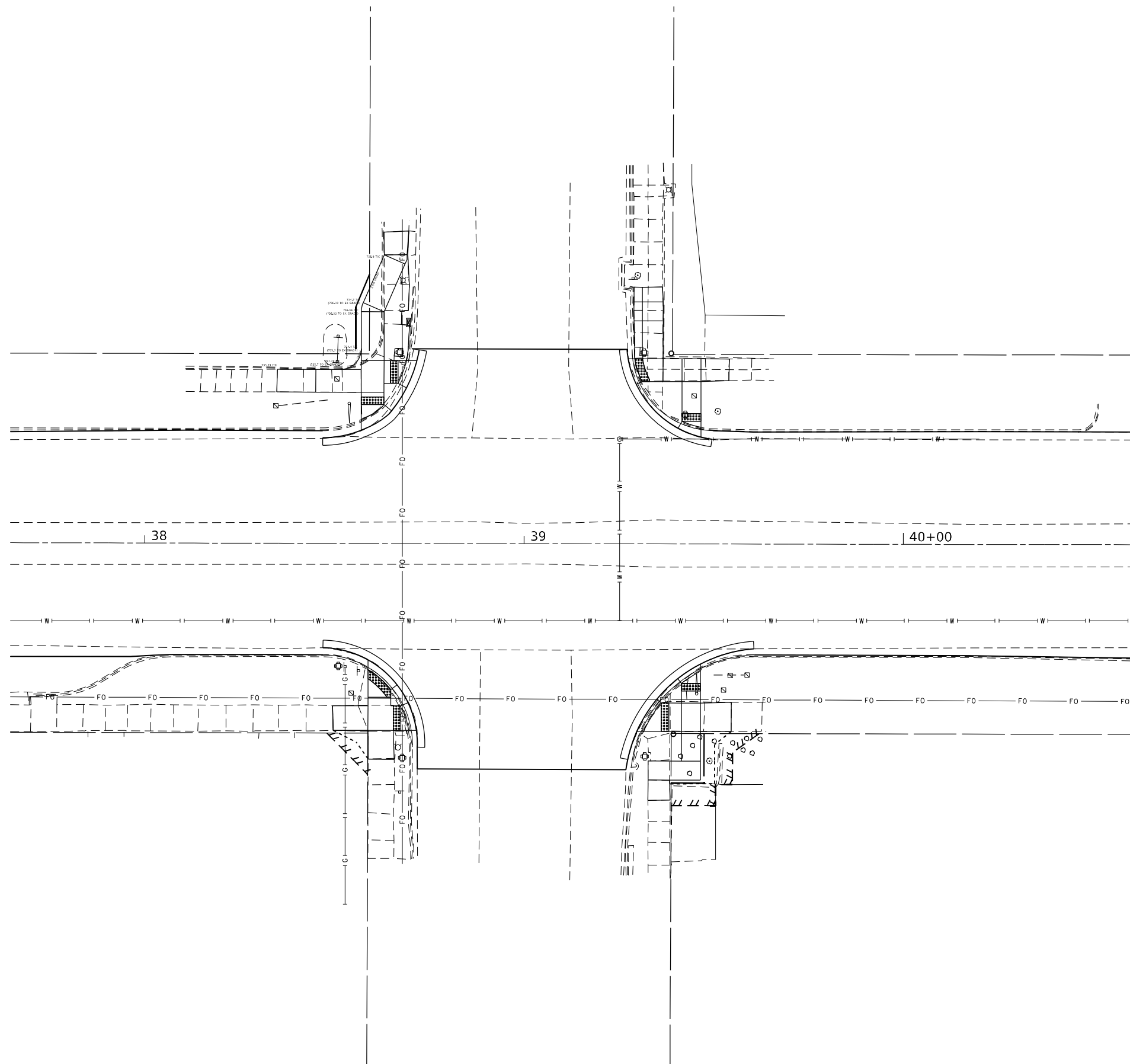
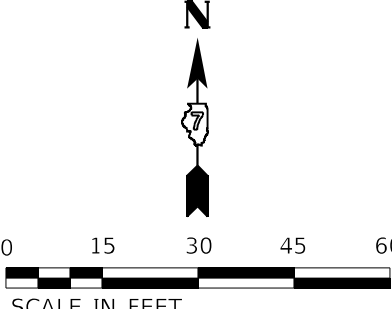


TO BE INSTALLED ON SOUTHBOUND MAST ARM (STA 34+88 52' RT)
TO BE INSTALLED ON NORTHBOUND MAST ARM (STA 35+51 40' LT)

MODEL Default
FILE NAME: P:\2021\1210457\Cad02_Design\CADD_Sheets\07747559-ht-09\402_17th_street.dgn

ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	13
SIGN PANEL - TYPE 2	SQ FT	72
UNDERGROUND CONDUIT, PVC, 3/4" DIA.	FOOT	33
UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	64
UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	301
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	49
UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	246
UNDERGROUND CONDUIT, PVC, 5" DIA.	FOOT	10
HANDHOLE, COMPOSITE CONCRETE	EACH	4
DOUBLE HANDHOLE, COMPOSITE CONCRETE	EACH	1
GULFBOX JUNCTION	EACH	3
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 8	FOOT	981
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	3
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1396
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2238
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	616
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 20 3C	FOOT	420
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	495
ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 1C	FOOT	194
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	530
TRAFFIC SIGNAL POST, GALVANIZED STEEL 12 FT.	EACH	5
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	2
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	36
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	27
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	26
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	8
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2
SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	18
INDUCTIVE LOOP DETECTOR	EACH	6
DETECTOR LOOP, TYPE I	FOOT	739
CONFIRMATION BEACON	EACH	4
LIGHT DETECTOR	EACH	3
LIGHT DETECTOR AMPLIFIER	EACH	1
REMOVE EXISTING SERVICE INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	4
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
REMOVE LUMINAIRE, COMPLETE	EACH	1
SERVICE INSTALLATION, TYPE A (MODIFIED)	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8

THE UTILITIES SHOWN ARE THE BEST REPRESENTATION
OF THEIR LOCATIONS AT THE TIME OF THIS SURVEY.
THE CONTRACTOR IS RESPONSIBLE FOR HAVING THE
UTILITIES LOCATED PRIOR TO CONSTRUCTION,

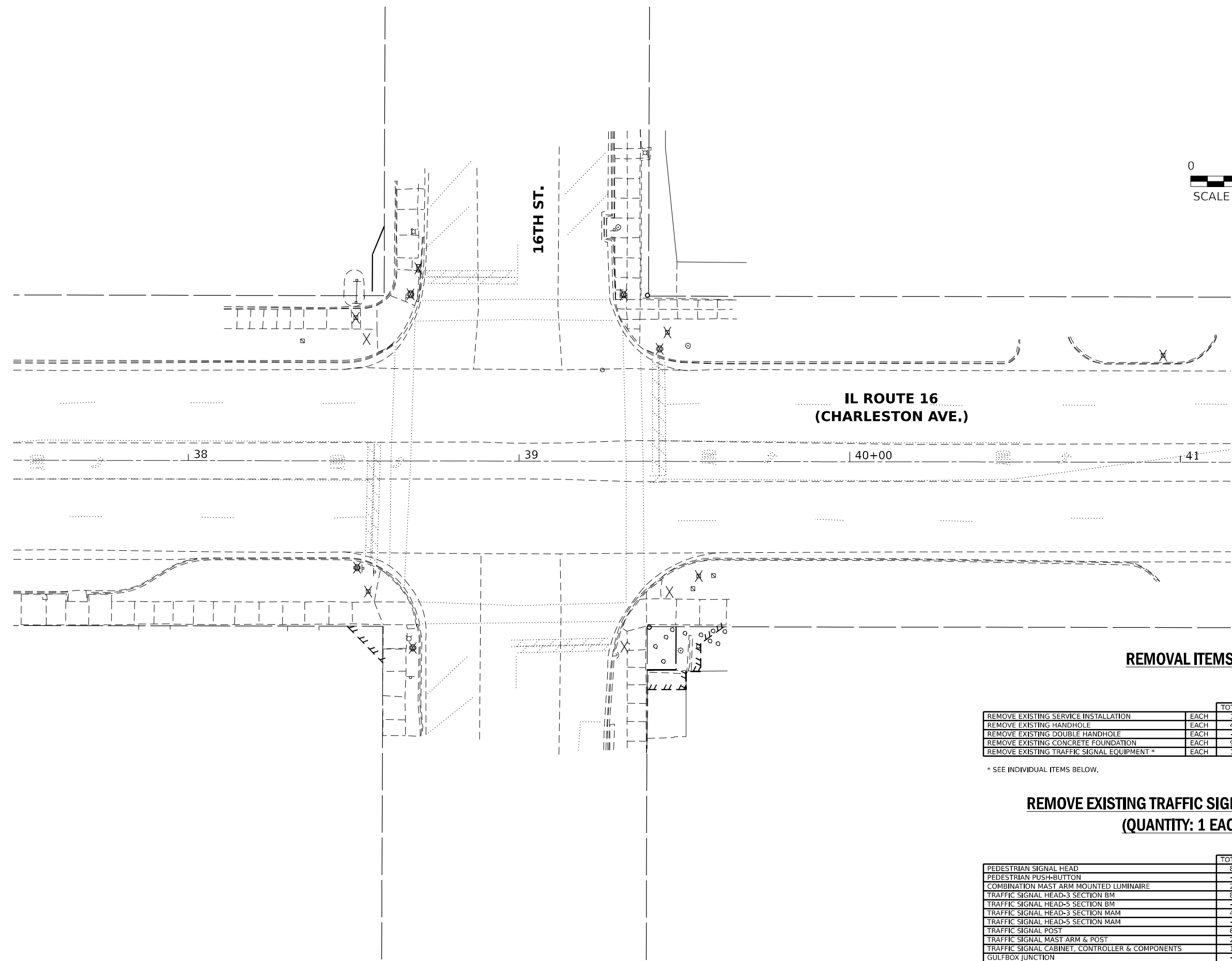
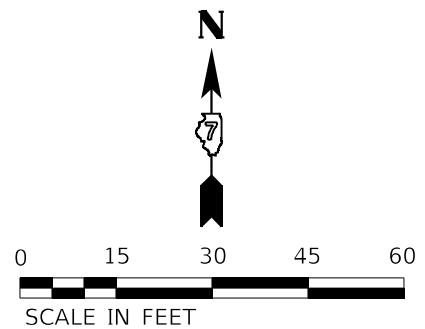


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**INTERSECTION OF IL 16 (CHARLESTON AVE) & 16th STREET
EXISTING UTILITY LAYOUT**

SCALE: 1"=30'	SHEET 18	OF 88 SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0325	502R5-4	COLES	264	163
		CONTRACT NO. 74759		
		ILLINOIS	FED. AID PROJECT	



REMOVAL ITEMS

		TOTAL	NW	NE	SE	SW
REMOVE EXISTING SERVICE INSTALLATION	EACH	1	1	-	-	-
REMOVE EXISTING HANDHOLE	EACH	4	1	2	1	1
REMOVE EXISTING DOUBLE HANDHOLE	EACH	-	-	-	-	-
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9	3	2	2	2
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT *	EACH	1	-	-	-	-

* SEE INDIVIDUAL ITEMS BELOW.

**REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
(QUANTITY: 1 EACH)**

	TOTAL	NW	NE	SE	SW
PEDESTRIAN SIGNAL HEAD	8	2	2	2	2
PEDESTRIAN PUSH-BUTTON	-	-	-	-	-
COMBINATION MAST ARM MOUNTED LUMINAIRE	2	1	-	1	-
TRAFFIC SIGNAL HEAD-3 SECTION BM	8	2	2	2	2
TRAFFIC SIGNAL HEAD-5 SECTION BM	-	-	-	-	-
TRAFFIC SIGNAL HEAD-3 SECTION MAM	4	2	-	2	-
TRAFFIC SIGNAL HEAD-5 SECTION MAM	-	-	-	-	-
TRAFFIC SIGNAL POST	6	1	2	1	2
TRAFFIC SIGNAL MAST ARM & POST	2	1	-	1	-
TRAFFIC SIGNAL CABINET, CONTROLLER & COMPONENTS	1	1	-	-	-
GULFBOX JUNCTION	-	-	-	-	-

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**HAMPTON, LENZINI AND RENWICK, INC.**
380 SHEPARD DRIVE
EUGEN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 18400889

USER NAME = nhalan

DESIGNED -

DRAWN -

CHECKED -

DATE -

REVISED -

REVISED -

REVISED -

REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION OF IL 16 (CHARLESTON AVE) & 16th STREET
TRAFFIC SIGNAL REMOVAL ITEMS

SCALE: 1"=30'

SHEET 19 OF 88 SHEETS

STA. TO STA.

F.A.P. RTE. 0325

SECTION 50ZR5-4

COUNTY COLES

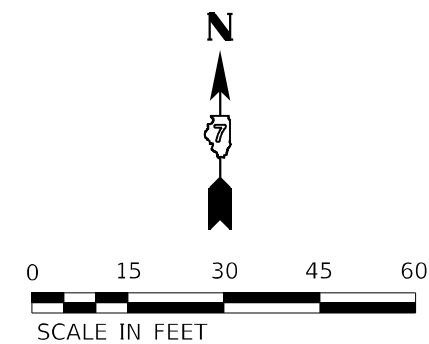
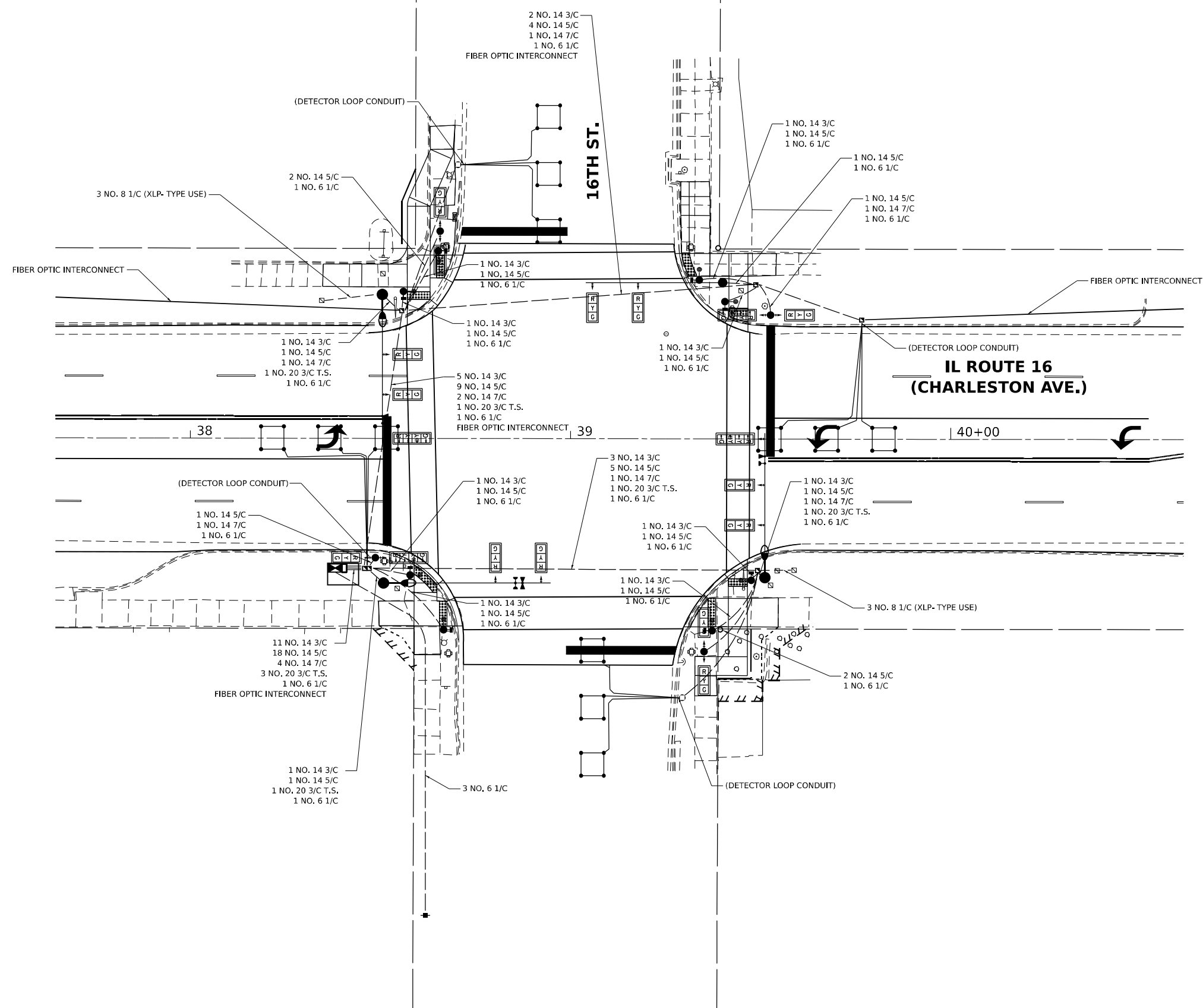
TOTAL SHEETS 264

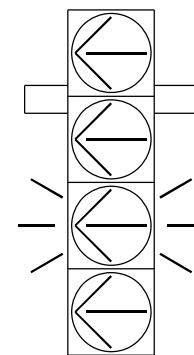
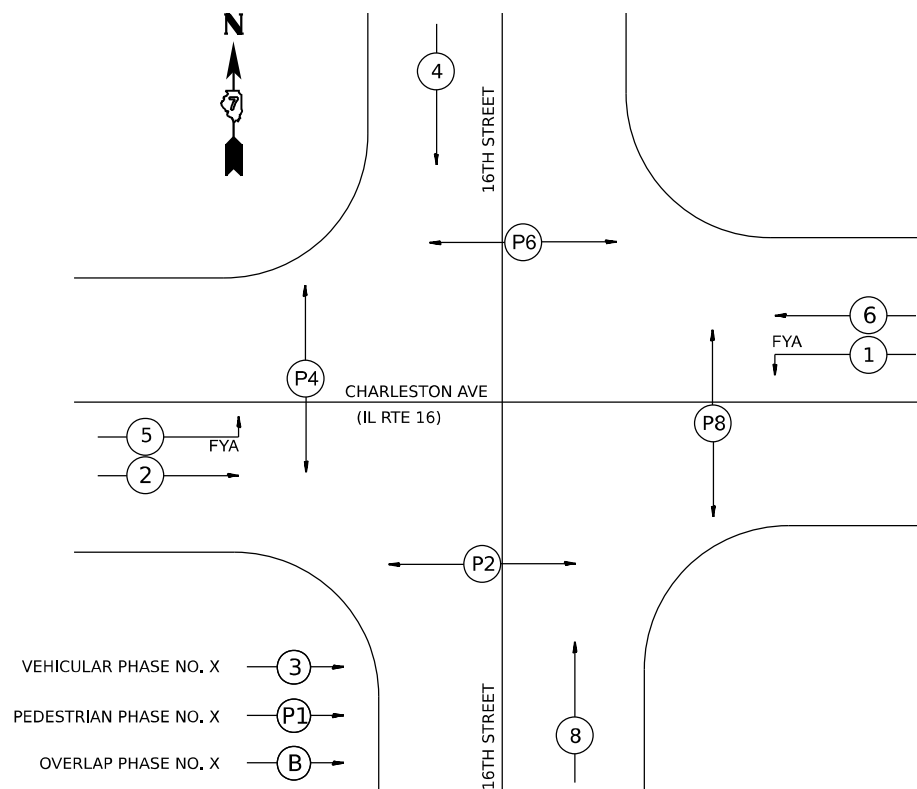
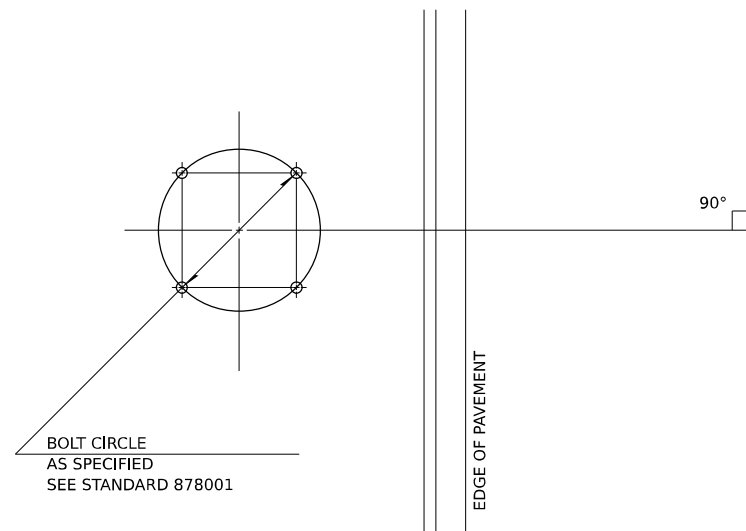
SHEET NO. 164

ILLINOIS

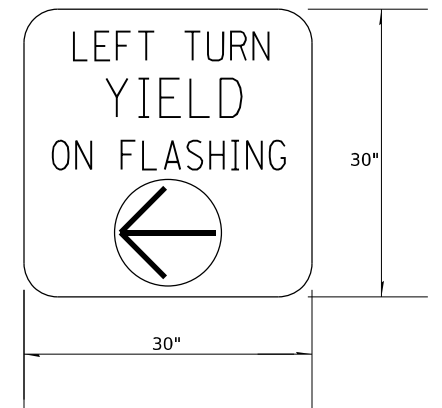
FED. AID PROJECT

CONTRACT NO. 74759



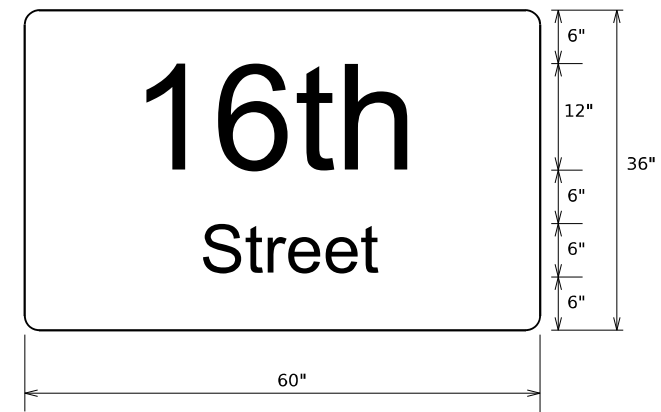


1. SIGN SHALL HAVE A BLACK REFLECTORIZED LEGEND AND BORDER ON A WHITE REFLECTORIZED BACKGROUND. ARROW IS YELLOW ON A BLACK BACKGROUND.
2. AP SHEETING.
3. SIGN TO BE INSTALLED DIRECTLY ADJACENT TO FYA SIGNAL HEAD ON MAST ARM.
4. ILLINOIS STANDARD R10-I109a SIGN.



TO BE INSTALLED ON WESTBOUND MAST ARM (STA 38+50 38' LT)
TO BE INSTALLED ON EASTBOUND MAST ARM (STA 39+51 36' RT)

1. SIGN SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND.
2. AP SHEETING.
3. UPPER/LOWER CASE LETTERS, HIGHWAY D.



TO BE INSTALLED ON WESTBOUND MAST ARM (STA 38+50 38' LT)
TO BE INSTALLED ON EASTBOUND MAST ARM (STA 39+51 36' RT)

1. SIGN SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND.
2. AP SHEETING.
3. UPPER/LOWER CASE LETTERS, HIGHWAY D.

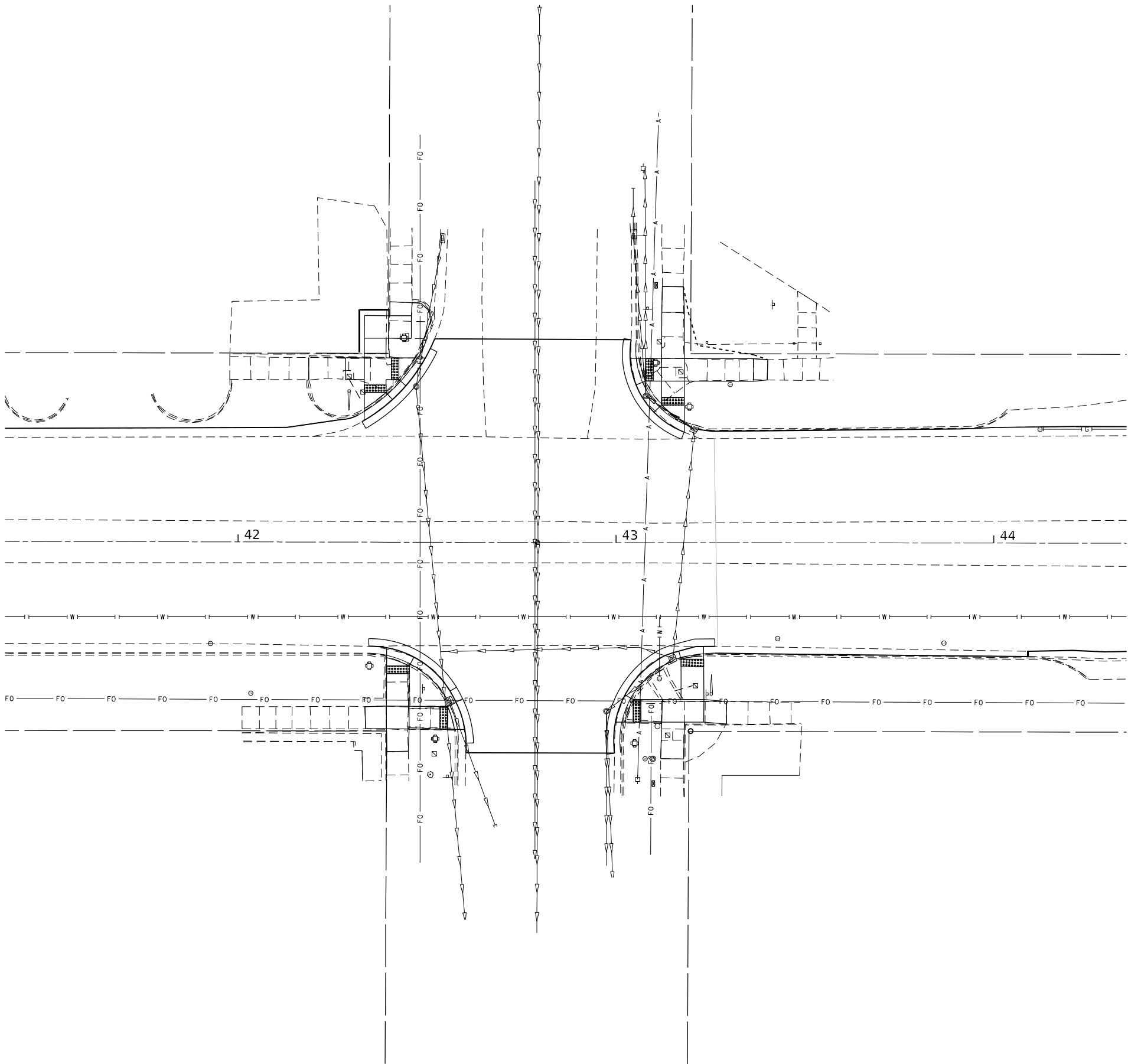
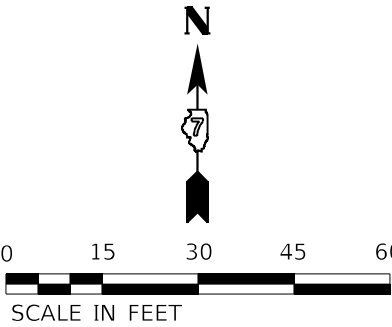


TO BE INSTALLED ON SOUTHBOUND MAST ARM (STA 38+67 50' RT)
TO BE INSTALLED ON NORTHBOUND MAST ARM (STA 39+39 41' LT)

MODEL Default
FILE NAME: P:\2021\1210457\Cad03 Design\CADD_Sheets\0774759-ht-09\403 16th street.dgn

ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	13
SIGN PANEL - TYPE 2	SQ FT	72
UNDERGROUND CONDUIT, PVC, 3/4" DIA.	FOOT	36
UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	114
UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	290
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	25
UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	260
UNDERGROUND CONDUIT, PVC, 5" DIA.	FOOT	10
HANDHOLE, COMPOSITE CONCRETE	EACH	4
DOUBLE HANDHOLE, COMPOSITE CONCRETE	EACH	1
GULFBOX JUNCTION	EACH	2
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 8	FOOT	1094
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	3
FULL-ACTUATED CONTROLLER AND TYPE V CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1369
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2448
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	560
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 20 3C	FOOT	350
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	497
ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 1C	FOOT	121
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	528
TRAFFIC SIGNAL POST, GALVANIZED STEEL 12 FT.	EACH	8
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	2
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	48
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	14
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	39
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	8
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2
SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	18
INDUCTIVE LOOP DETECTOR	EACH	6
DETECTOR LOOP, TYPE I	FOOT	695
CONFIRMATION BEACON	EACH	4
LIGHT DETECTOR	EACH	3
LIGHT DETECTOR AMPLIFIER	EACH	1
REMOVE EXISTING SERVICE INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	4
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
SERVICE INSTALLATION, TYPE A (MODIFIED)	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8

THE UTILITIES SHOWN ARE THE BEST REPRESENTATION OF THEIR LOCATIONS AT THE TIME OF THIS SURVEY. THE CONTRACTOR IS RESPONSIBLE FOR HAVING THE UTILITIES LOCATED PRIOR TO CONSTRUCTION.

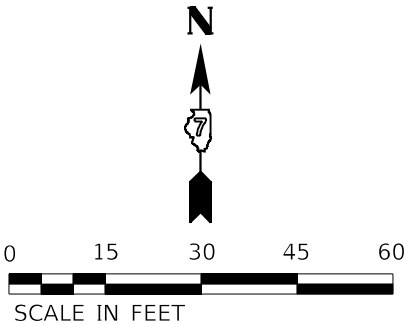
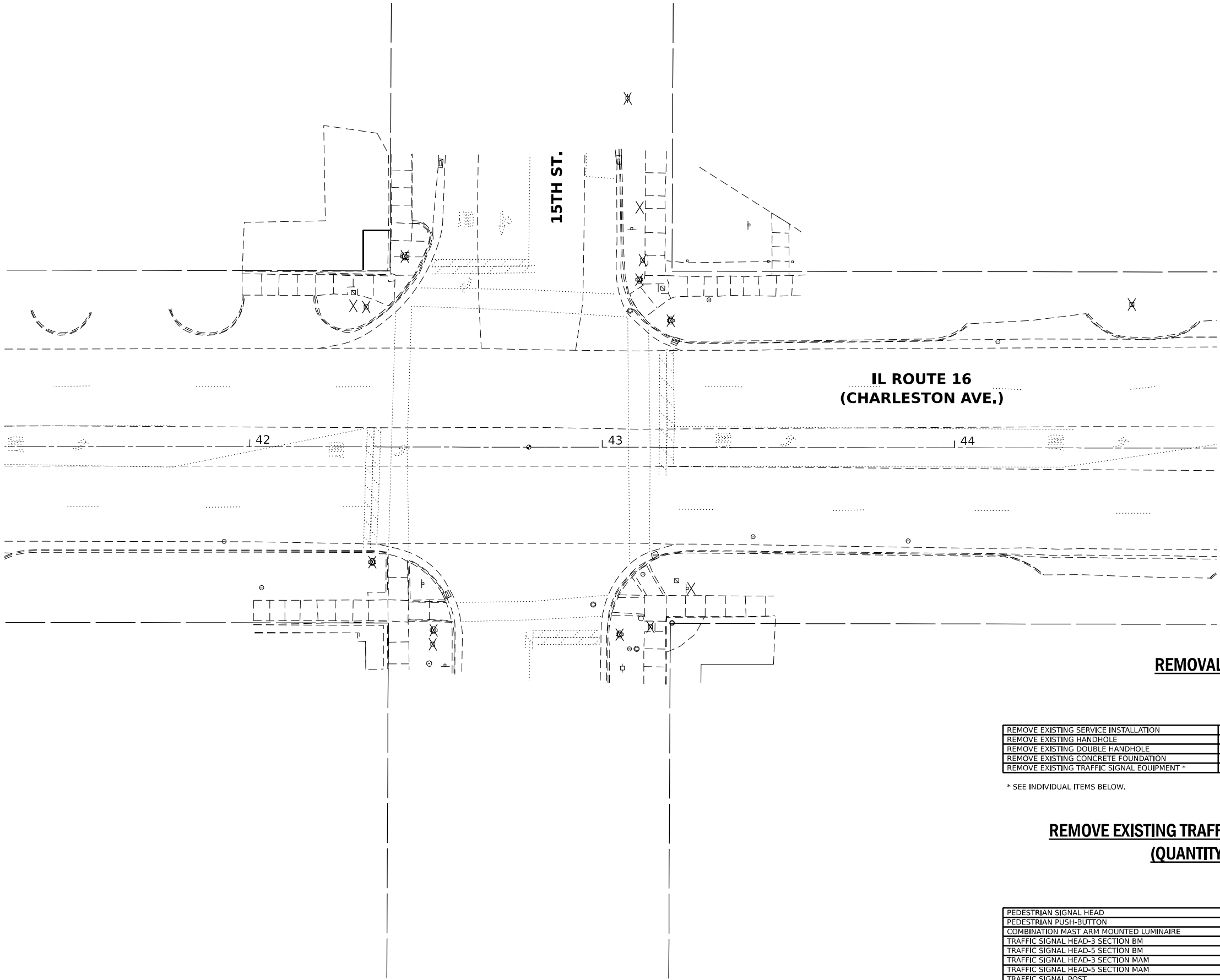


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION OF IL 16 (CHARLESTON AVE) & 15th STREET EXISTING UTILITY LAYOUT

SCALE: 1"=30'	SHEET 26	OF 88	SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0325	50ZR5-4	COLES	264	171
		CONTRACT NO. 74759		
ILLINOIS		FED. AID PROJECT		



REMOVAL ITEMS

		TOTAL	NW	NE	SE	SW
REMOVE EXISTING SERVICE INSTALLATION	EACH	1	-	1	-	-
REMOVE EXISTING HANDHOLE	EACH	4	1	2	1	1
REMOVE EXISTING DOUBLE HANDHOLE	EACH	-	-	-	-	-
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9	2	3	2	2
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT *	EACH	1	-	-	-	-

* SEE INDIVIDUAL ITEMS BELOW.

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
(QUANTITY: 1 EACH)

	TOTAL	NW	NE	SE	SW
PEDESTRIAN SIGNAL HEAD	8	2	2	2	2
PEDESTRIAN PUSH-BUTTON	-	-	-	-	-
COMBINATION MAST ARM MOUNTED LUMINAIRE	2	1	-	1	-
TRAFFIC SIGNAL HEAD-3 SECTION BM	8	2	2	2	2
TRAFFIC SIGNAL HEAD-3 SECTION BM	-	-	-	-	-
TRAFFIC SIGNAL HEAD-3 SECTION MAM	4	2	-	2	-
TRAFFIC SIGNAL HEAD-5 SECTION MAM	-	-	-	-	-
TRAFFIC SIGNAL POST	6	1	2	1	2
TRAFFIC SIGNAL MAST ARM & POST	2	1	-	1	-
TRAFFIC SIGNAL CABINET, CONTROLLER & COMPONENTS	1	-	1	-	-
GULFBOX JUNCTION	-	-	-	-	-

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HAMPTON, LENZINI AND RENWICK, INC.

580 SHEPARD DRIVE
EUGEN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 18400889

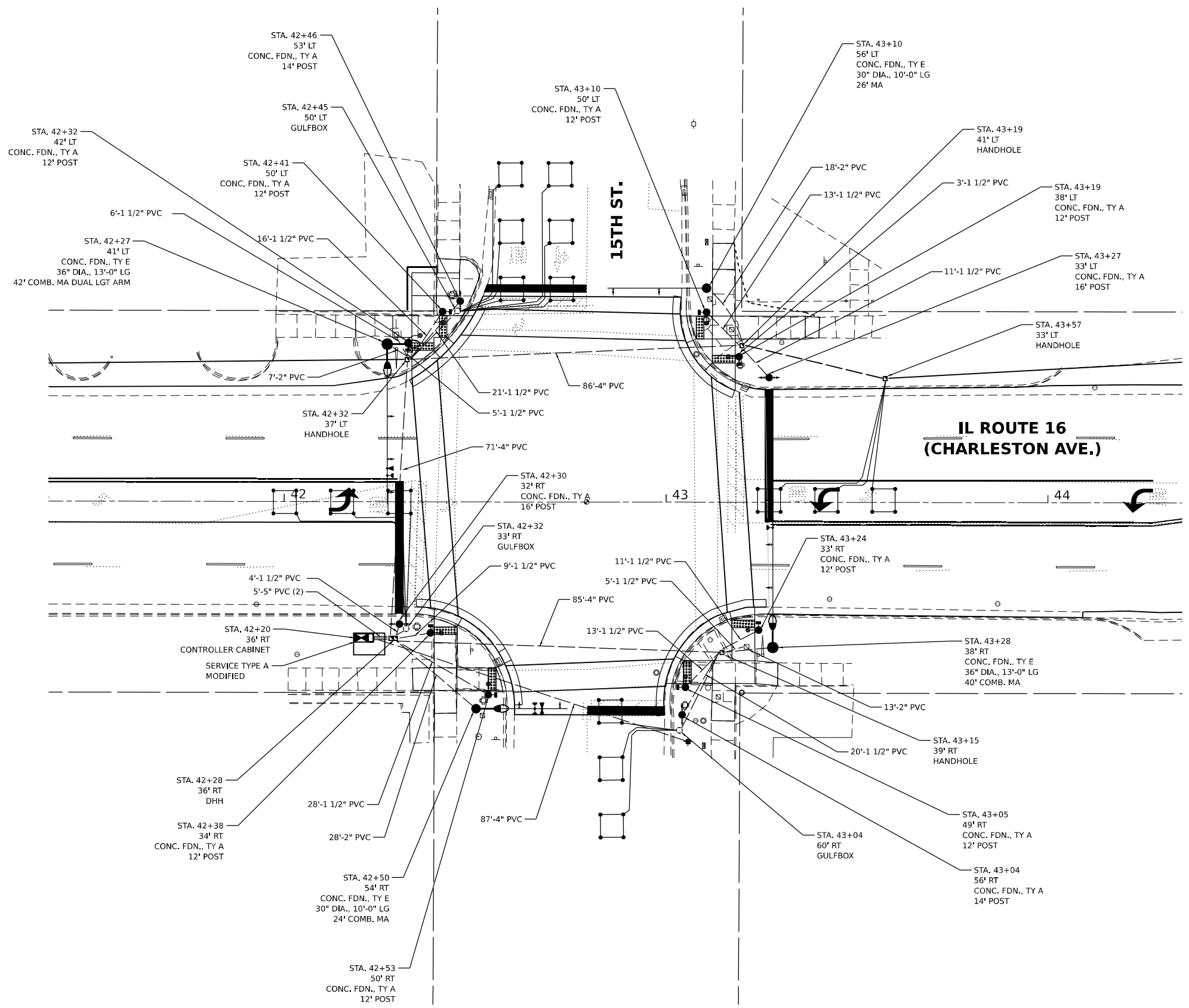
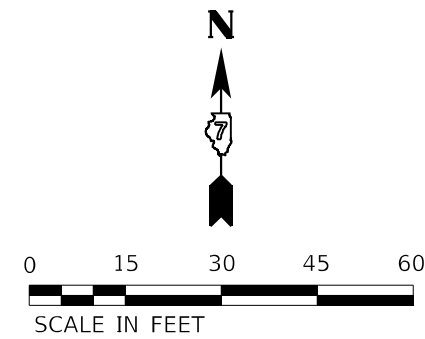
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PLOT DATE	= 7/5/2023	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION OF IL 16 (CHARLESTON AVE) & 15th STREET
TRAFFIC SIGNAL REMOVAL ITEMS

SCALE: 1"=30' SHEET 27 OF 88 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0325	50ZR5-4	COLES	264	172
CONTRACT NO. 74759				
		ILLINOIS	FED. AID PROJECT	



SEE DETECTOR LOOP
SHEET FOR LOCATION
AND INFORMATION

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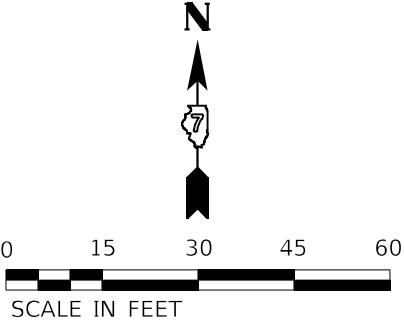
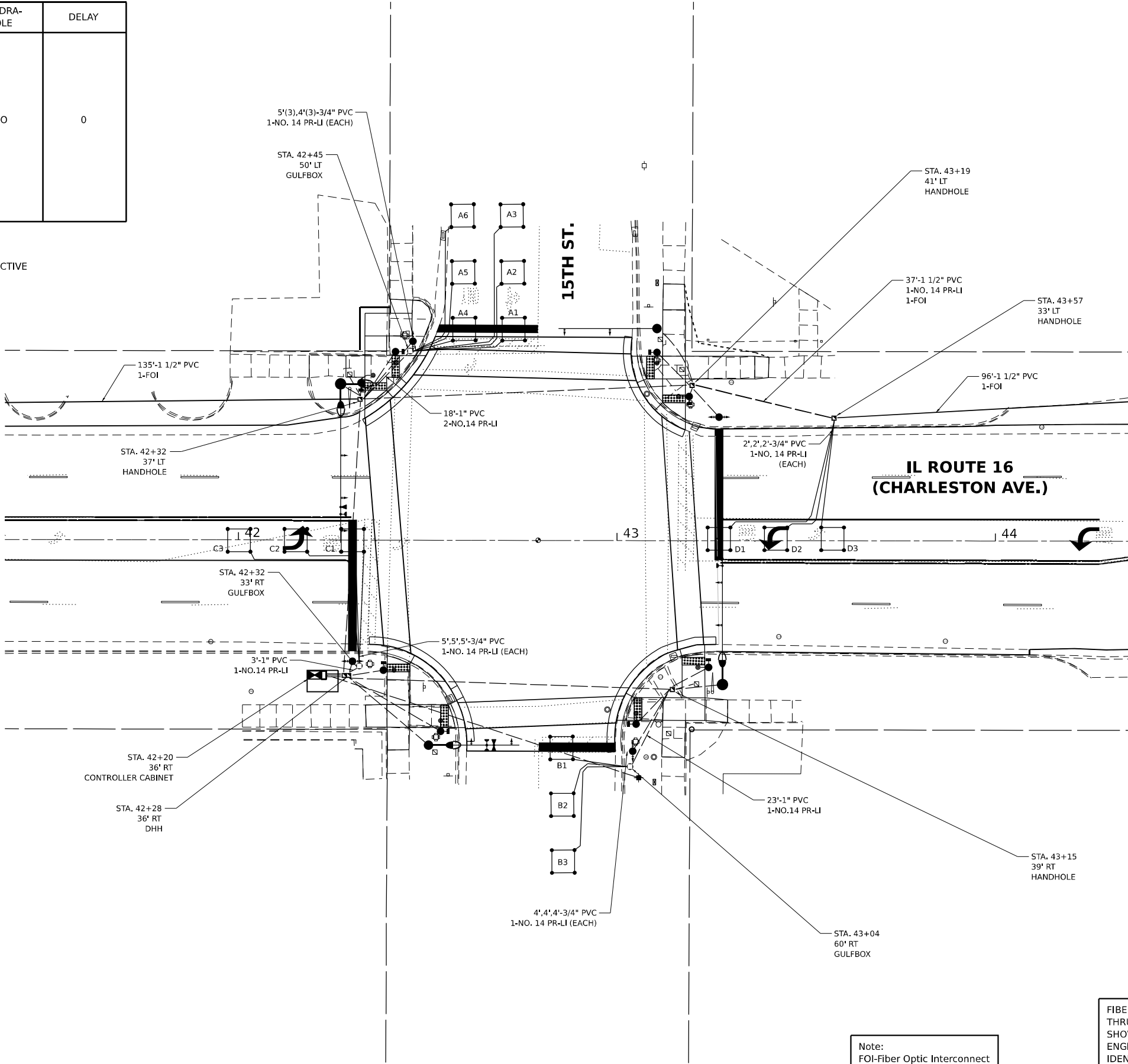
HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELEGANT, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 18400889		USER NAME = nhalan	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		INTERSECTION OF IL 16 (CHARLESTON AVE) & 15th STREET SIGNAL LAYOUT		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVIS	REVIS					0325	50ZR5-4	COLES	264	173
		PLOT SCALE = 30,0000' / in.	CHECKED -	REVIS					CONTRACT NO. 74759				
		PLOT DATE = 7/5/2023	DATE -	REVIS					ILLINOIS FED. AID PROJECT				
						SCALE: 1"=30'		SHEET 28 OF 88 SHEETS		STA.		TO STA.	

LOOP	SIZE	MODE	QUADRA- POLE	DELAY
A1,A2,A3, A4,A5,A6 B1,B2,B3, C1,C2,C3, D1,D2,D3	6' x 6'	NORMAL	NO	0

THE FOLLOWING CABLES SHALL BE WIRED TO COMMON INDUCTIVE LOOP DETECTOR:

(A1,A2,A3),(A5,A6,A7),
(B1,B2,B3),
(C1,C2,C3),
(D1,D2,D3)

5 INDUCTIVE LOOP DETECTORS PLUS 1 ADDITIONAL
TOTAL 6 INDUCTIVE LOOP DETECTORS



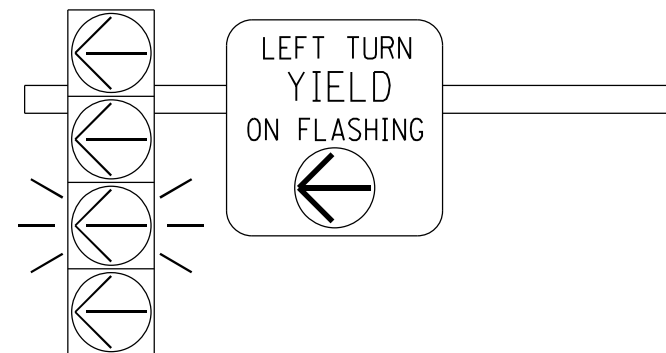
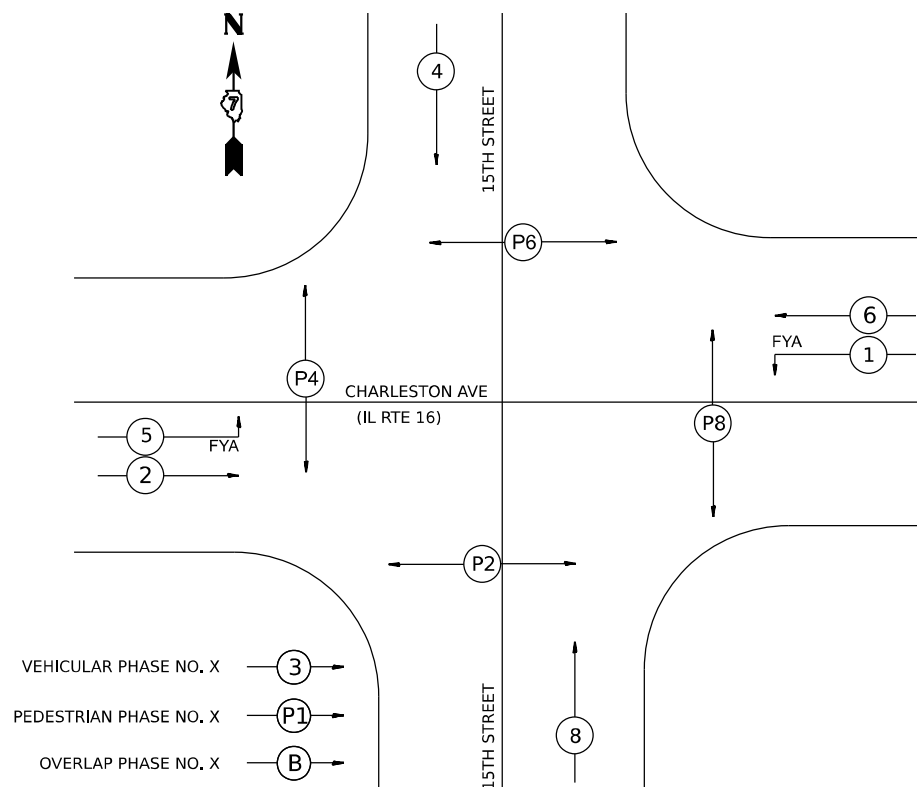
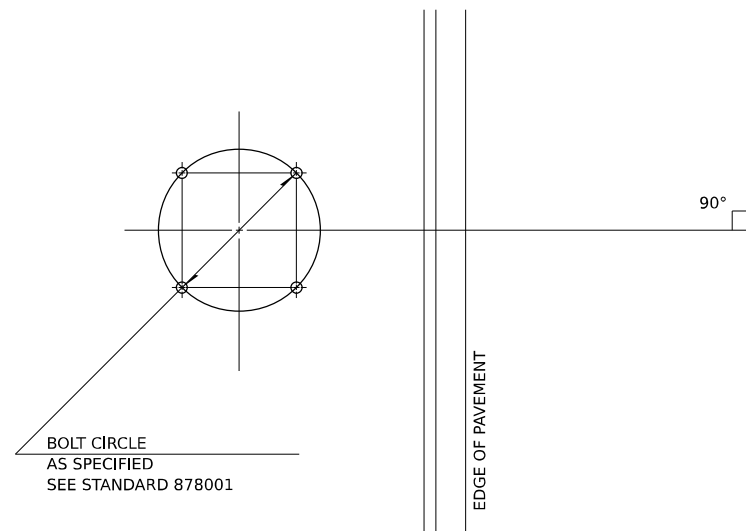
Note:
See "OVERVIEW OF FIBER OPTIC
INTERCONNECT" sheet for additional details.

Note:
FOI-Fiber Optic Interconnect

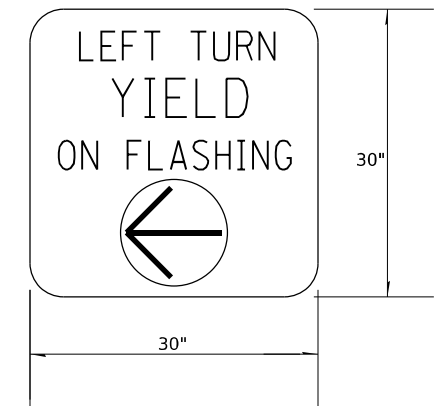
FIBER OPTIC INTERCONNECT SHALL CONNECT LAKE LAND BLVD
THRU 14TH ST. ALL CONDUIT AND GULFBOXES MAY NOT BE
SHOWN, BUT WILL BE INSTALLED AS DIRECTED BY THE
ENGINEER. FIBER OPTIC INTERCONNECT GULFBOXES WILL BE
IDENTIFIED AS: "1-X".

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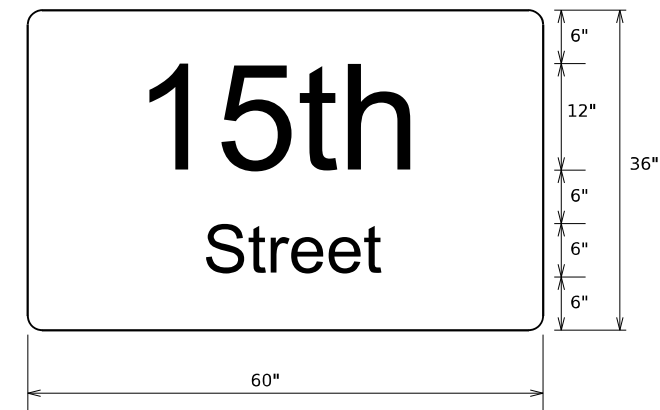


1. SIGN SHALL HAVE A BLACK REFLECTORIZED LEGEND AND BORDER ON A WHITE REFLECTORIZED BACKGROUND. ARROW IS YELLOW ON A BLACK BACKGROUND.
2. AP SHEETING.
3. SIGN TO BE INSTALLED DIRECTLY ADJACENT TO FYA SIGNAL HEAD ON MAST ARM.
4. ILLINOIS STANDARD R10-I109a SIGN.



TO BE INSTALLED ON WESTBOUND MAST ARM (STA 42+27 41' LT)
TO BE INSTALLED ON EASTBOUND MAST ARM (STA 43+28 38' RT)

1. SIGN SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND.
2. AP SHEETING.
3. UPPER/LOWER CASE LETTERS, HIGHWAY D.



TO BE INSTALLED ON WESTBOUND MAST ARM (STA 42+27 41' LT)
TO BE INSTALLED ON EASTBOUND MAST ARM (STA 43+28 38' RT)

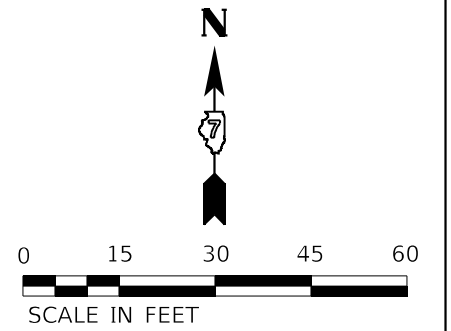
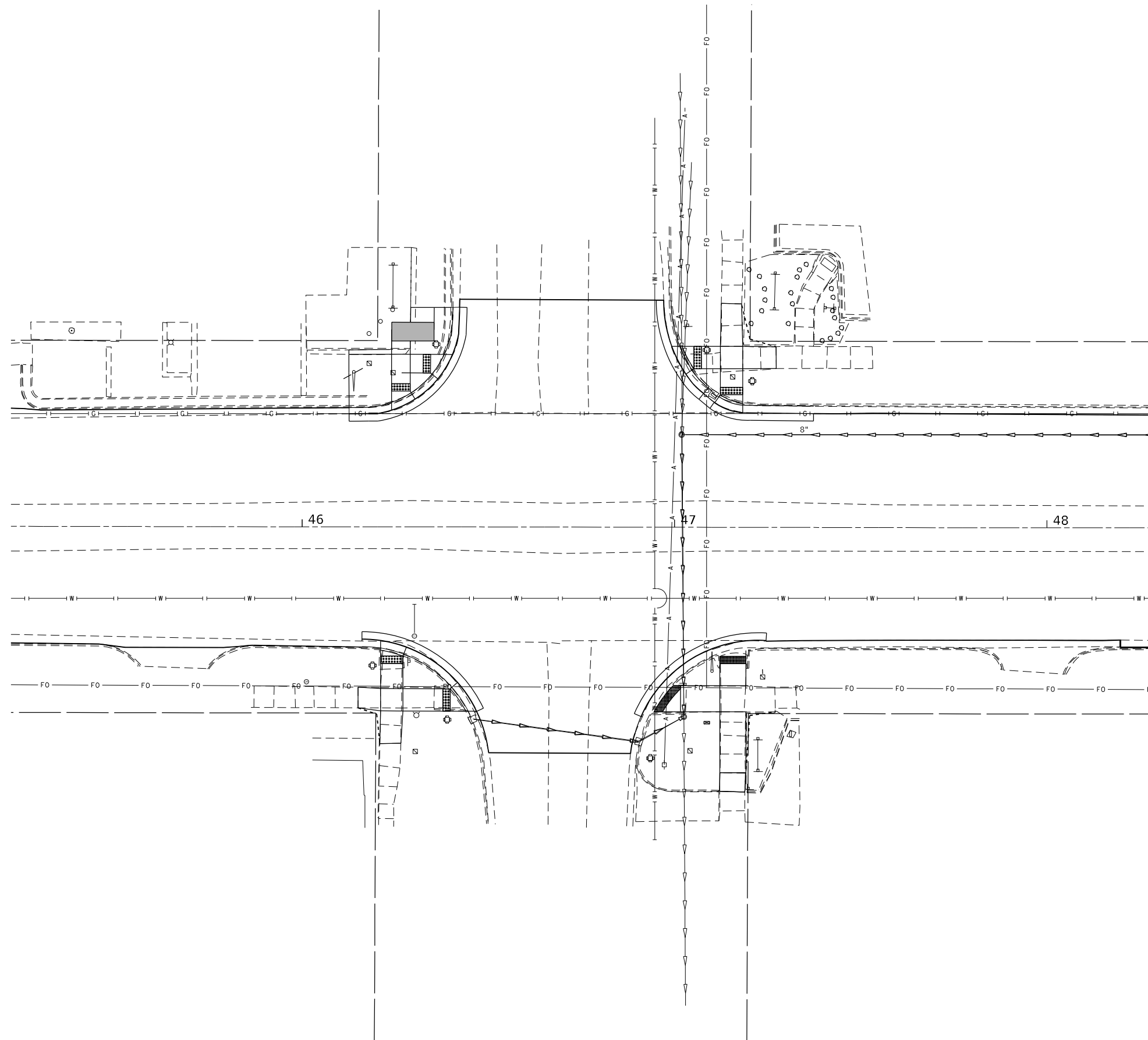
1. SIGN SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND.
2. AP SHEETING.
3. UPPER/LOWER CASE LETTERS, HIGHWAY D.

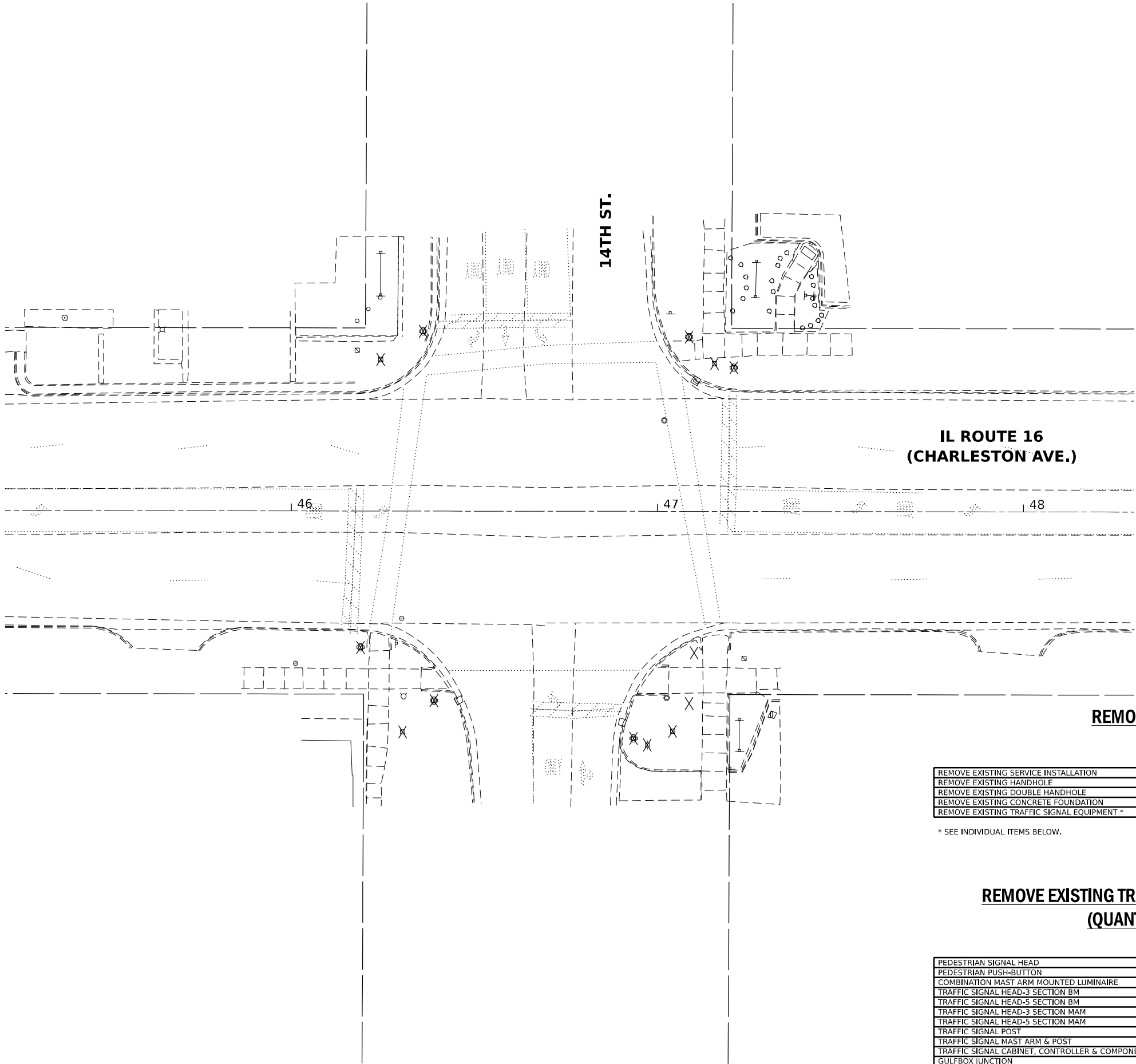
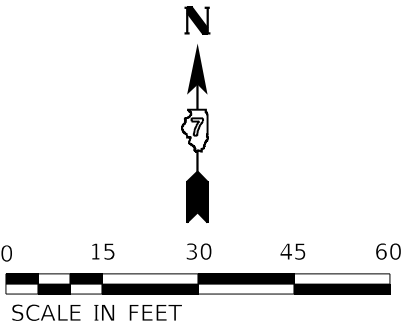


TO BE INSTALLED ON SOUTHBOUND MAST ARM (STA 42+50 54' RT)
TO BE INSTALLED ON NORTHBOUND MAST ARM (STA 43+10 56' LT)

SIGN PANEL DETAILS

THE UTILITIES SHOWN ARE THE BEST REPRESENTATION OF THEIR LOCATIONS AT THE TIME OF THIS SURVEY. THE CONTRACTOR IS RESPONSIBLE FOR HAVING THE UTILITIES LOCATED PRIOR TO CONSTRUCTION.





REMOVAL ITEMS

		TOTAL	NW	NE	SE	SW
REMOVE EXISTING SERVICE INSTALLATION	EACH	1	-	-	1	-
REMOVE EXISTING HANDHOLE	EACH	4	1	1	1	1
REMOVE EXISTING DOUBLE HANDHOLE	EACH	-	-	-	-	-
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9	2	2	3	2
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT *	EACH	1	-	-	-	-

* SEE INDIVIDUAL ITEMS BELOW.

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
(QUANTITY: 1 EACH)

	TOTAL	NW	NE	SE	SW
PEDESTRIAN SIGNAL HEAD	8	2	2	2	2
PEDESTRIAN PUSH-BUTTON	-	-	-	-	-
COMBINATION MAST ARM MOUNTED LUMINAIRE	2	1	-	1	-
TRAFFIC SIGNAL HEAD-3 SECTION BM	8	2	2	2	2
TRAFFIC SIGNAL HEAD-5 SECTION BM	-	-	-	-	-
TRAFFIC SIGNAL HEAD-3 SECTION MAM	4	2	-	2	-
TRAFFIC SIGNAL HEAD-5 SECTION MAM	-	-	-	-	-
TRAFFIC SIGNAL POST	6	1	2	1	2
TRAFFIC SIGNAL MAST ARM & POST	1	1	-	1	-
TRAFFIC SIGNAL CABINET, CONTROLLER & COMPONENTS	1	-	-	1	-
GULFBOX JUNCTION	-	-	-	-	-

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HAMPTON, LENZINI AND RENWICK, INC.

580 SHEPARD DRIVE
EUGEN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. TRAX00889

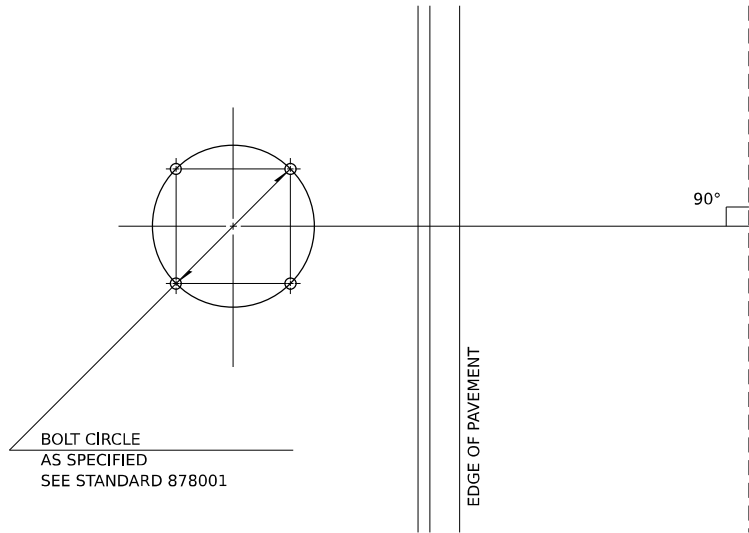
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PLOT DATE	= 7/5/2023	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

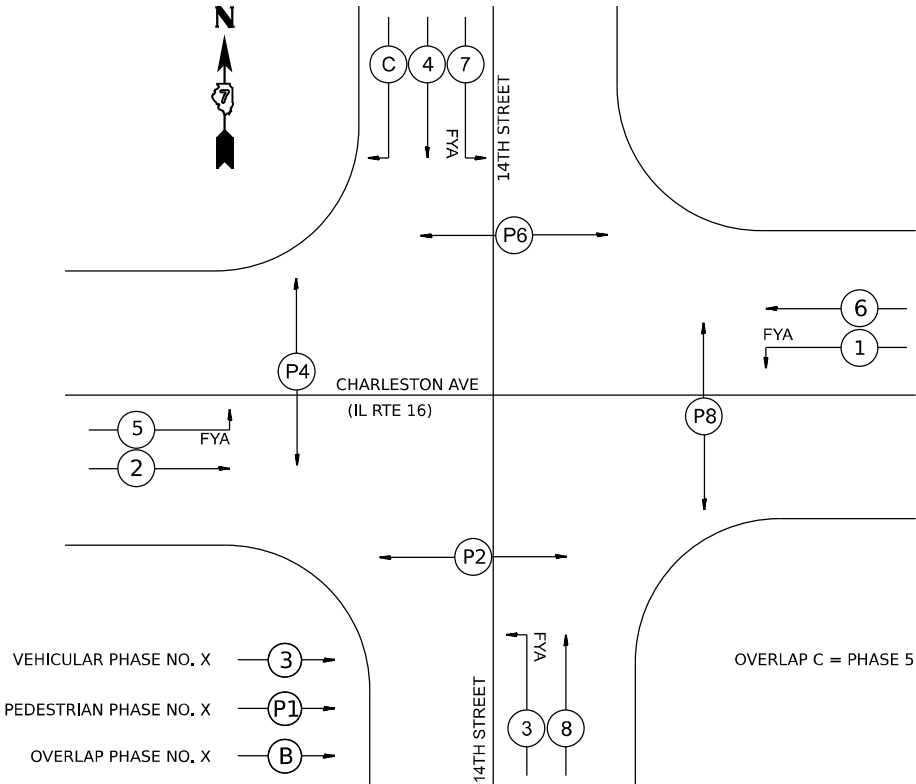
INTERSECTION OF IL 16 (CHARLESTON AVE) & 14th STREET
TRAFFIC SIGNAL REMOVAL ITEMS

SCALE: 1"=30' SHEET 35 OF 88 SHEETS STA. TO STA.

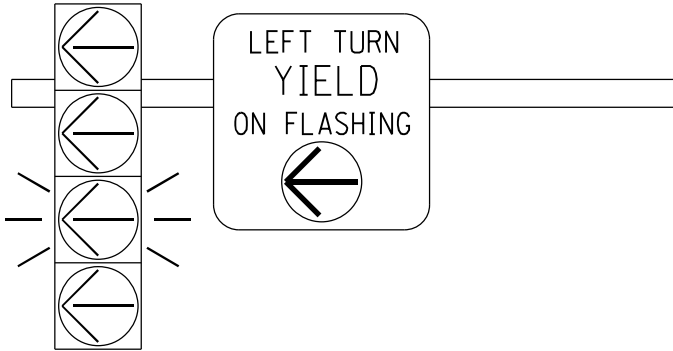
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0325	50ZR5-4	COLES	264	180
CONTRACT NO. 74759				
ILLINOIS FED. AID PROJECT				



DETAIL OF MAST ARM FOUNDATION
BOLT PATTERN

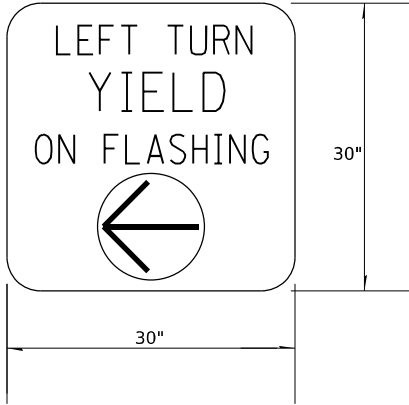


PHASE DESIGNATION DIAGRAM



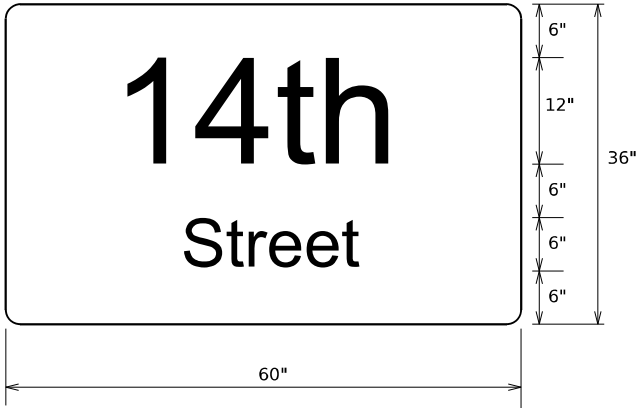
FLASHING YELLOW ARROW
SIGN PANEL DETAILS

- SIGN SHALL HAVE A BLACK REFLECTORIZED LEGEND AND BORDER ON A WHITE REFLECTORIZED BACKGROUND. ARROW IS YELLOW ON A BLACK BACKGROUND.
- AP SHEETING.
- SIGN TO BE INSTALLED DIRECTLY ADJACENT TO FYA SIGNAL HEAD ON MAST ARM.
- ILLINOIS STANDARD R10-I109a SIGN.



TO BE INSTALLED ON WESTBOUND MAST ARM (STA 46+11 40' LT)
TO BE INSTALLED ON EASTBOUND MAST ARM (STA 47+29 38' RT)
TO BE INSTALLED ON SOUTHBOUND MAST ARM (STA 46+41 50' RT)
TO BE INSTALLED ON NORTHBOUND MAST ARM (STA 47+25 36' LT)

- SIGN SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND.
- AP SHEETING.
- UPPER/LOWER CASE LETTERS, HIGHWAY D.



TO BE INSTALLED ON WESTBOUND MAST ARM (STA 46+11 40' LT)
TO BE INSTALLED ON EASTBOUND MAST ARM (STA 47+29 38' RT)

- SIGN SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND.
- AP SHEETING.
- UPPER/LOWER CASE LETTERS, HIGHWAY D.



TO BE INSTALLED ON SOUTHBOUND MAST ARM (STA 46+41 50' RT)
TO BE INSTALLED ON NORTHBOUND MAST ARM (STA 47+25 36' LT)

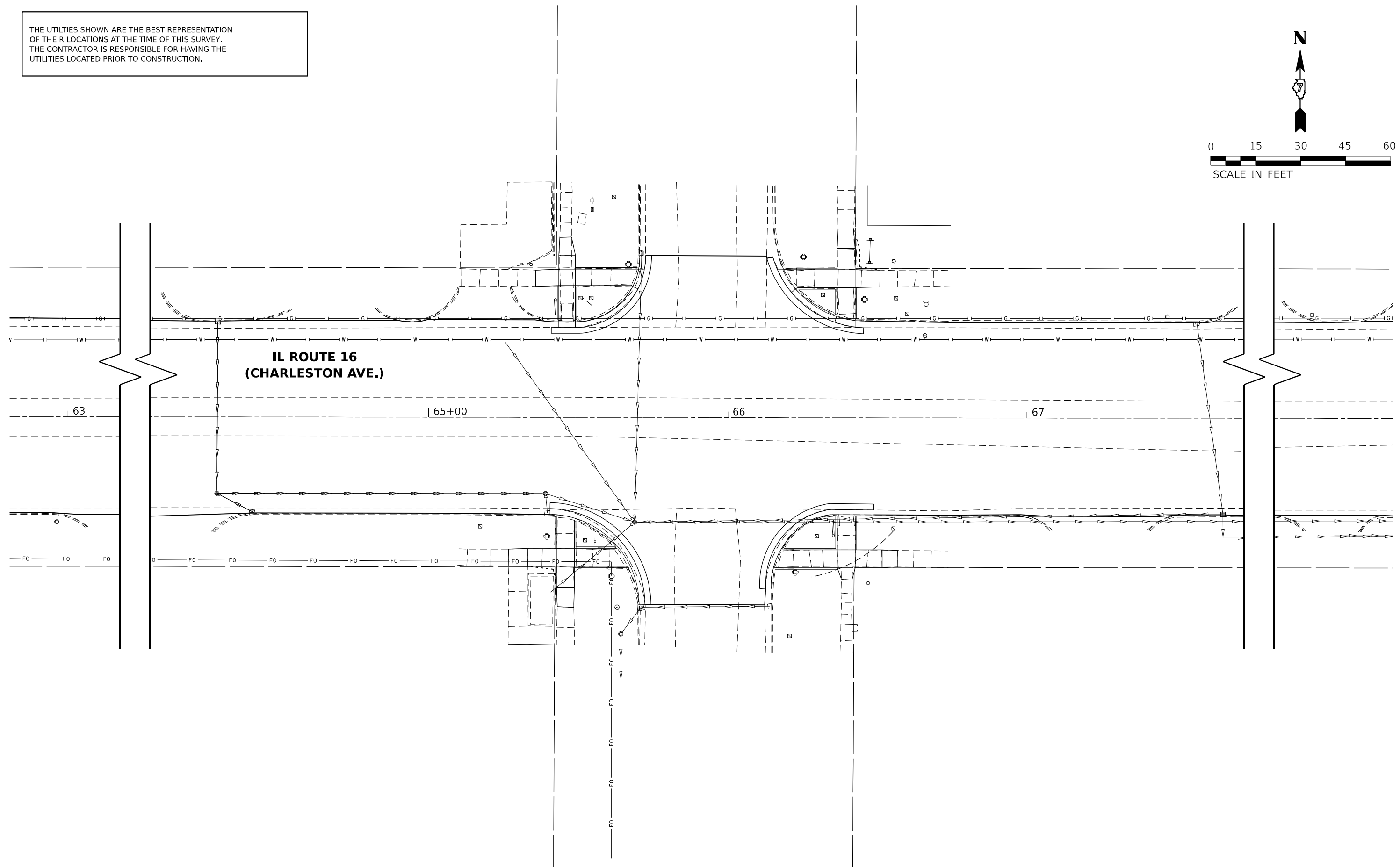
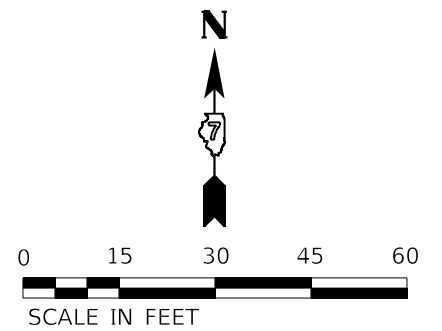
SIGN PANEL DETAILS

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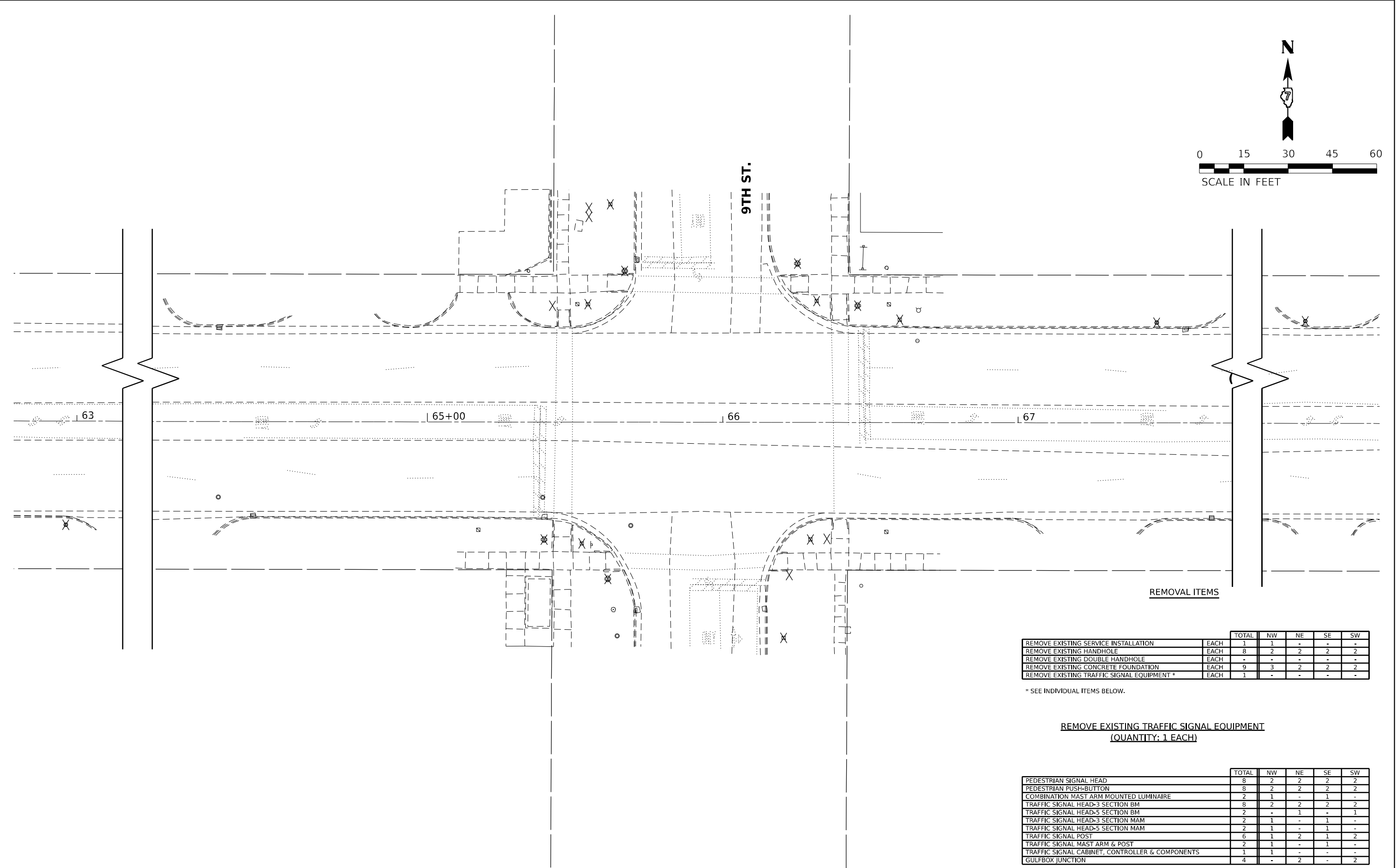
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ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	25
SIGN PANEL - TYPE 2	SQ FT	72
UNDERGROUND CONDUIT, PVC, 3/4" DIA.	FOOT	113
UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	69
UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	126
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	47
UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	274
UNDERGROUND CONDUIT, PVC, 5" DIA.	FOOT	10
HANDHOLE, COMPOSITE CONCRETE	EACH	5
DOUBLE HANDHOLE, COMPOSITE CONCRETE	EACH	1
GULFBOX JUNCTION	EACH	5
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 8	FOOT	1311
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	4
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1795
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2145
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1510
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 20 3C	FOOT	721
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	531
ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 1C	FOOT	28
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	521
TRAFFIC SIGNAL POST, GALVANIZED STEEL 12 FT.	EACH	8
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	2
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 32 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	48
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	14
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	39
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	7
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	20
INDUCTIVE LOOP DETECTOR	EACH	8
DETECTOR LOOP, TYPE I	FOOT	1228
CONFIRMATION BEACON	EACH	4
LIGHT DETECTOR	EACH	4
LIGHT DETECTOR AMPLIFIER	EACH	1
REMOVE EXISTING SERVICE INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	4
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
SERVICE INSTALLATION, TYPE A (MODIFIED)	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 42 FT WITH DUAL 15 FT LIGHTING ARMS AT 40 FT MOUNTING HEIGHT	EACH	1

THE UTILITIES SHOWN ARE THE BEST REPRESENTATION OF THEIR LOCATIONS AT THE TIME OF THIS SURVEY. THE CONTRACTOR IS RESPONSIBLE FOR HAVING THE UTILITIES LOCATED PRIOR TO CONSTRUCTION.



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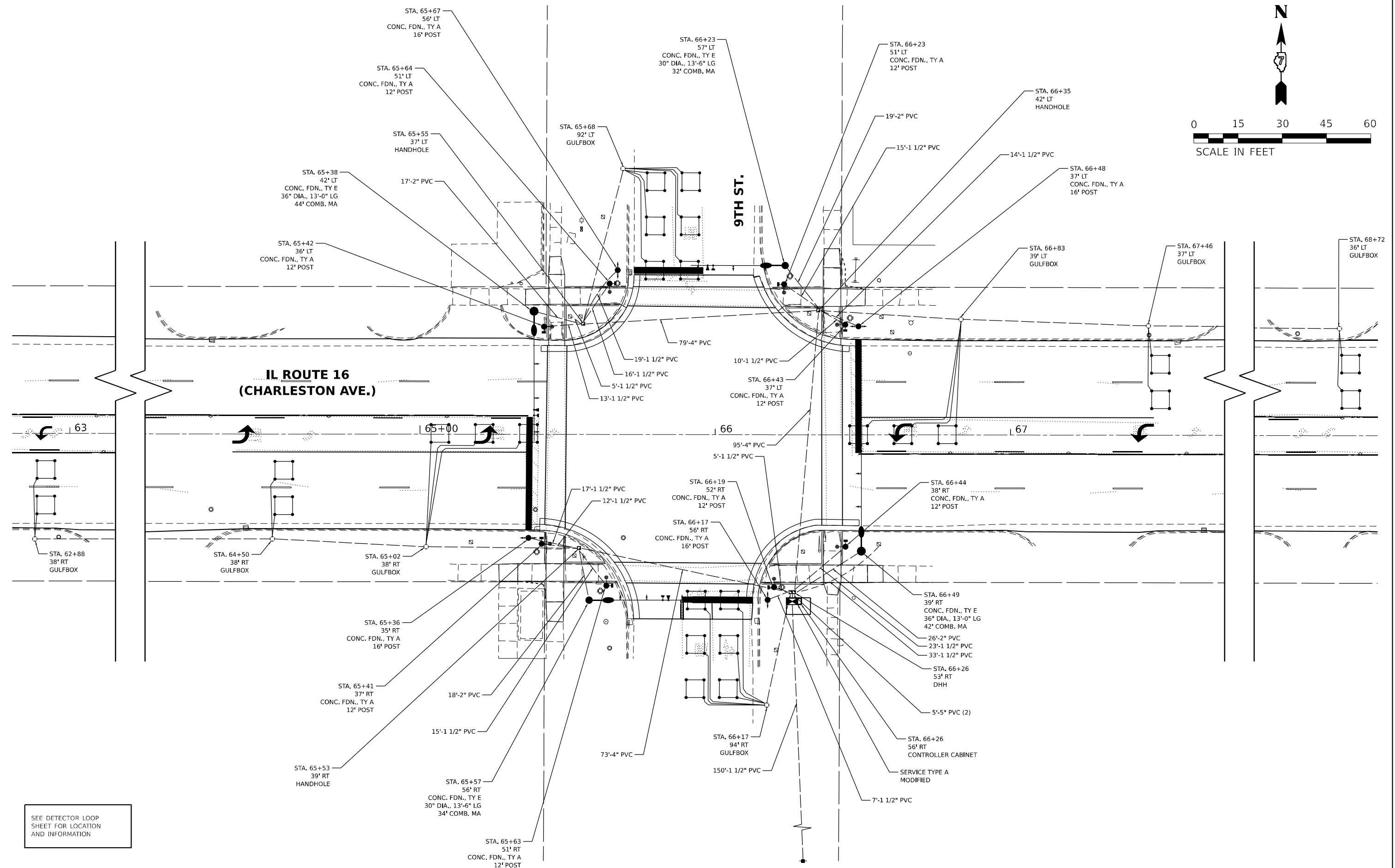
REMOVAL ITEMS

		TOTAL	NW	NE	SE	SW
REMOVE EXISTING SERVICE INSTALLATION	EACH	1	1	-	-	-
REMOVE EXISTING HANDHOLE	EACH	8	2	2	2	2
REMOVE EXISTING DOUBLE HANDHOLE	EACH	-	-	-	-	-
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9	3	2	2	2
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT *	EACH	1	-	-	-	-

* SEE INDIVIDUAL ITEMS BELOW.

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
(QUANTITY: 1 EACH)

	TOTAL	NW	NE	SE	SW
PEDESTRIAN SIGNAL HEAD	8	2	2	2	2
PEDESTRIAN PUSH-BUTTON	8	2	2	2	2
COMBINATION MAST ARM MOUNTED LUMINAIRE	2	1	-	1	-
TRAFFIC SIGNAL HEAD-3 SECTION BM	8	2	2	2	2
TRAFFIC SIGNAL HEAD-5 SECTION BM	2	-	1	-	1
TRAFFIC SIGNAL HEAD-3 SECTION MAM	2	1	-	1	-
TRAFFIC SIGNAL HEAD-5 SECTION MAM	2	1	-	1	-
TRAFFIC SIGNAL POST	6	1	2	1	2
TRAFFIC SIGNAL MAST ARM & POST	2	1	-	1	-
TRAFFIC SIGNAL CABINET, CONTROLLER & COMPONENTS	1	1	-	-	-
GULFBOX JUNCTION	4	-	2	-	2



SEE DETECTOR LOOP
SHEET FOR LOCATION
AND INFORMATION

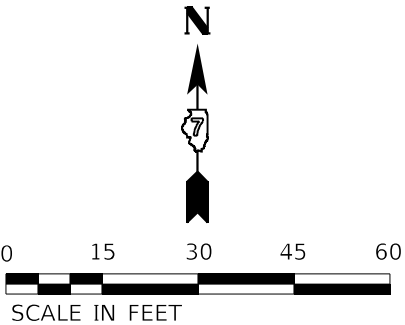
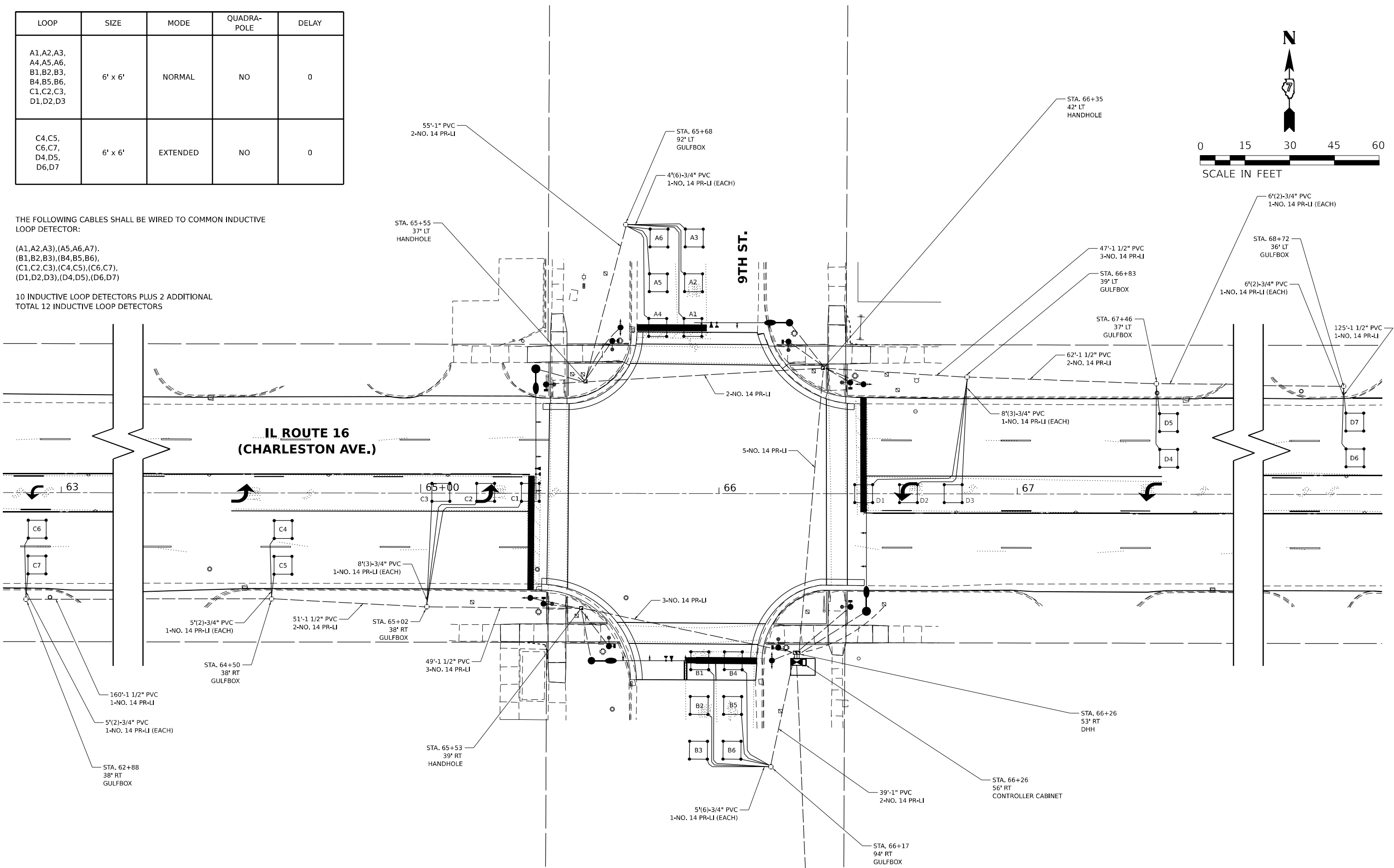
HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM L.S. #E / SE CORP. 10400959	USER NAME = nhalan	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERSECTION OF IL 16 (CHARLESTON AVE) & 9th STREET SIGNAL LAYOUT					F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 30,000' = 1" = 1/4"	CHECKED -	REVISED -		0325	50ZR-5-4	COLES	264	189					
	PLOT DATE = 7/5/2023	DATE -	REVISED -		SCALE: 1"=30' SHEET 44 OF 88 SHEETS STA. TO STA.					CONTRACT NO. 74759				
	ILLINOIS FED. AID PROJECT													

LOOP	SIZE	MODE	QUADRA- POLE	DELAY
A1,A2,A3, A4,A5,A6, B1,B2,B3, B4,B5,B6, C1,C2,C3, D1,D2,D3	6' x 6'	NORMAL	NO	0
C4,C5, C6,C7, D4,D5, D6,D7	6' x 6'	EXTENDED	NO	0

THE FOLLOWING CABLES SHALL BE WIRED TO COMMON INDUCTIVE LOOP DETECTOR:

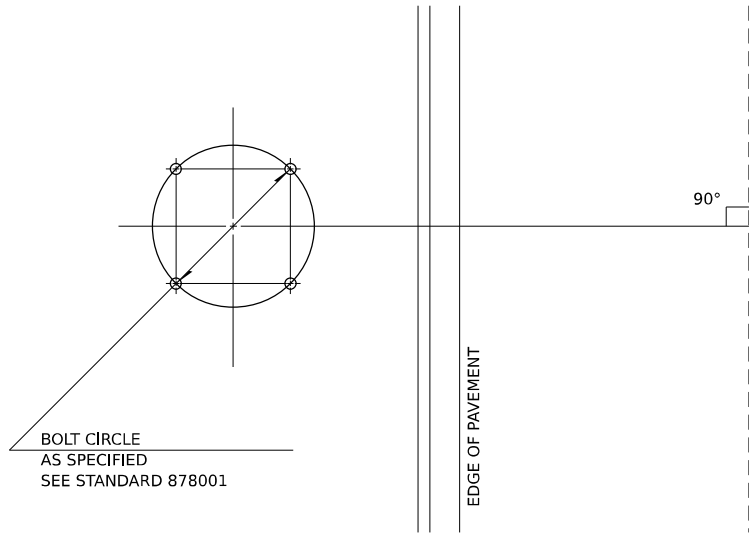
(A1,A2,A3),(A5,A6,A7).
(B1,B2,B3),(B4,B5,B6),
(C1,C2,C3),(C4,C5),(C6,C7),
(D1,D2,D3),(D4,D5),(D6,D7)

10 INDUCTIVE LOOP DETECTORS PLUS 2 ADDITIONAL
TOTAL 12 INDUCTIVE LOOP DETECTORS

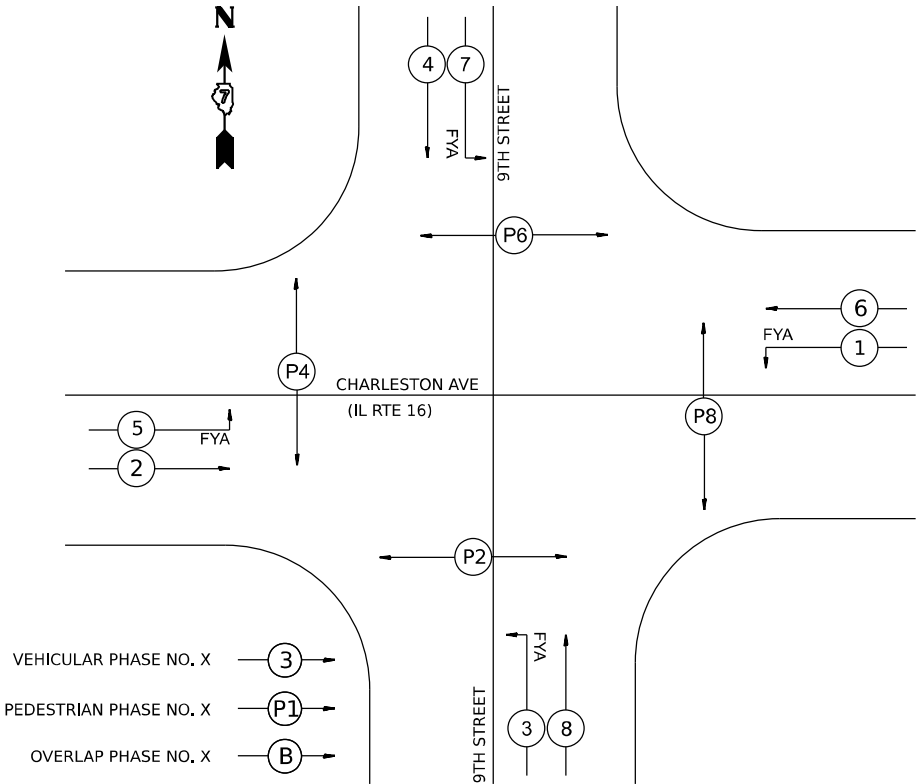


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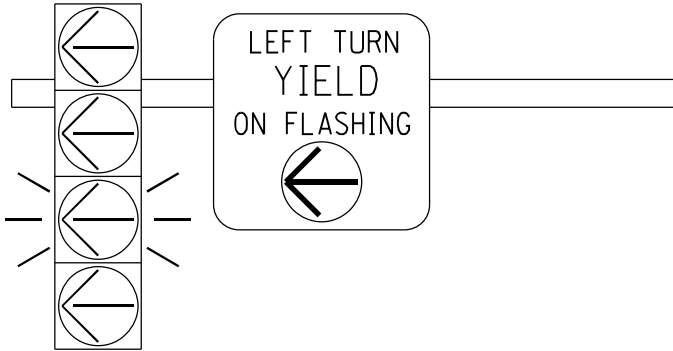
 HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELEGANT, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM L.S. / P.E. / S.E. CORP. 18400599	USER NAME = nhalan	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERSECTION OF IL 16 (CHARLESTON AVE) & 9th STREET DETECTOR LOOPS					F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -		0325	50ZR5-4	COLES	264	192					
	PLOT SCALE = 30,0000' * / in.	CHECKED -	REVISED -		CONTRACT NO. 74759									
	PLOT DATE = 7/5/2023	DATE -	REVISED -		ILLINOIS FED. AID PROJECT									
					SCALE: 1"=30'	SHEET 46	OF 88	SHEETS	STA.	TO STA.				



DETAIL OF MAST ARM FOUNDATION
BOLT PATTERN

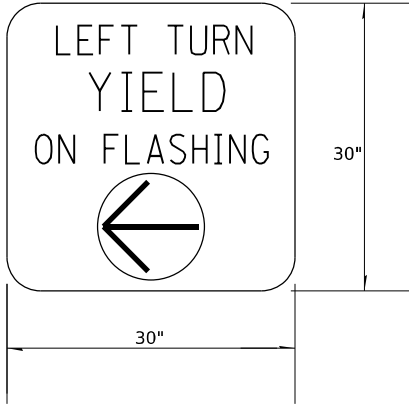


PHASE DESIGNATION DIAGRAM



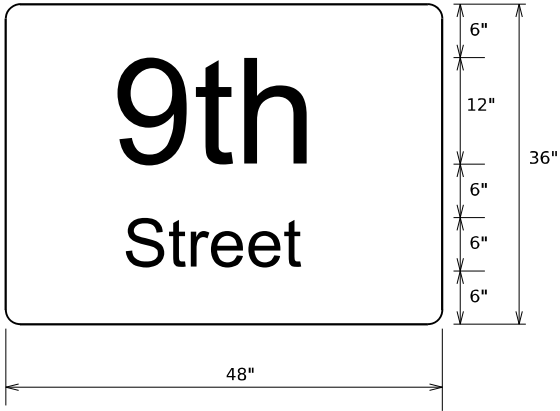
FLASHING YELLOW ARROW
SIGN PANEL DETAILS

1. SIGN SHALL HAVE A BLACK REFLECTORIZED LEGEND AND BORDER ON A WHITE REFLECTORIZED BACKGROUND. ARROW IS YELLOW ON A BLACK BACKGROUND.
2. AP SHEETING.
3. SIGN TO BE INSTALLED DIRECTLY ADJACENT TO FYA SIGNAL HEAD ON MAST ARM.
4. ILLINOIS STANDARD R10-I109a SIGN.



TO BE INSTALLED ON WESTBOUND MAST ARM (STA 65+38 42' LT)
TO BE INSTALLED ON EASTBOUND MAST ARM (STA 66+49 39' RT)
TO BE INSTALLED ON SOUTHBOUND MAST ARM (STA 65+57 56' RT)
TO BE INSTALLED ON NORTHBOUND MAST ARM (STA 66+23 57' LT)

1. SIGN SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND.
2. AP SHEETING.
3. UPPER/LOWER CASE LETTERS, HIGHWAY D.



TO BE INSTALLED ON WESTBOUND MAST ARM (STA 65+38 42' LT)
TO BE INSTALLED ON EASTBOUND MAST ARM (STA 66+49 39' RT)

1. SIGN SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND.
2. AP SHEETING.
3. UPPER/LOWER CASE LETTERS, HIGHWAY D.



TO BE INSTALLED ON SOUTHBOUND MAST ARM (STA 65+57 56' RT)
TO BE INSTALLED ON NORTHBOUND MAST ARM (STA 66+23 57' LT)

SIGN PANEL DETAILS

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HAMPTON, LENZINI AND RENWICK, INC.

380 SHEPARD DRIVE
EUGEN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
L5 / PE / SE CORP. 18400889

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION OF IL 16 (CHARLESTON AVE) & 9TH STREET
DETAILS

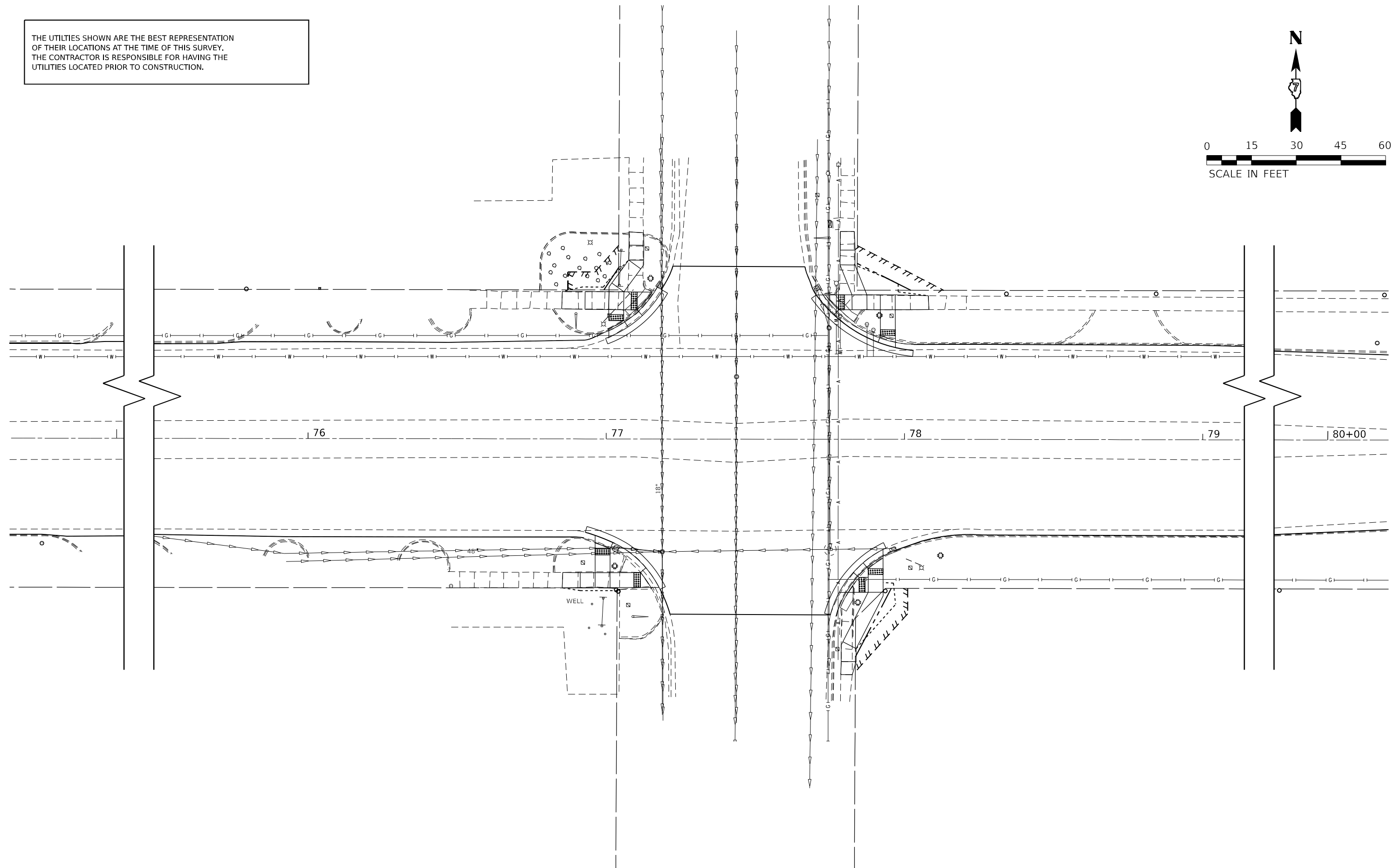
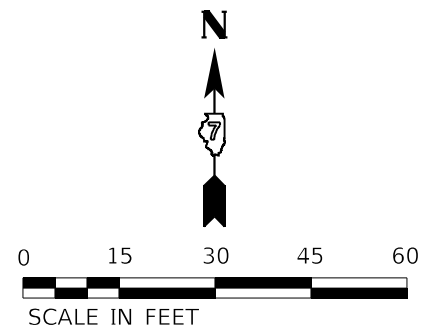
SCALE: SHEET 48 OF 88 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0325	50ZR5-4	COLES	264	193
CONTRACT NO. 74759				
ILLINOIS FED. AID PROJECT				

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ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	25
SIGN PANEL - TYPE 2	SQ FT	66
UNDERGROUND CONDUIT, PVC, 3/4" DIA.	FOOT	146
UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	94
UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	801
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	80
UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	247
UNDERGROUND CONDUIT, PVC, 5" DIA.	FOOT	10
HANDHOLE, COMPOSITE CONCRETE	EACH	3
DOUBLE HANDHOLE, COMPOSITE CONCRETE	EACH	1
GULFBOX JUNCTION	EACH	8
GULFBOX JUNCTION REMOVAL	EACH	4
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 8	FOOT	1902
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	4
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1785
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2365
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1307
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 20 3C	FOOT	732
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1737
ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 1C	FOOT	167
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	573
TRAFFIC SIGNAL POST, GALVANIZED STEEL 12 FT.	EACH	8
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 32 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	48
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	27
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	26
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	8
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED	EACH	4
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	20
INDUCTIVE LOOP DETECTOR	EACH	12
DETECTOR LOOP, TYPE I	FOOT	1315
CONFIRMATION BEACON	EACH	4
LIGHT DETECTOR	EACH	4
LIGHT DETECTOR AMPLIFIER	EACH	1
REMOVE EXISTING SERVICE INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	8
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
SERVICE INSTALLATION, TYPE A (MODIFIED)	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8

THE UTILITIES SHOWN ARE THE BEST REPRESENTATION OF THEIR LOCATIONS AT THE TIME OF THIS SURVEY. THE CONTRACTOR IS RESPONSIBLE FOR HAVING THE UTILITIES LOCATED PRIOR TO CONSTRUCTION.

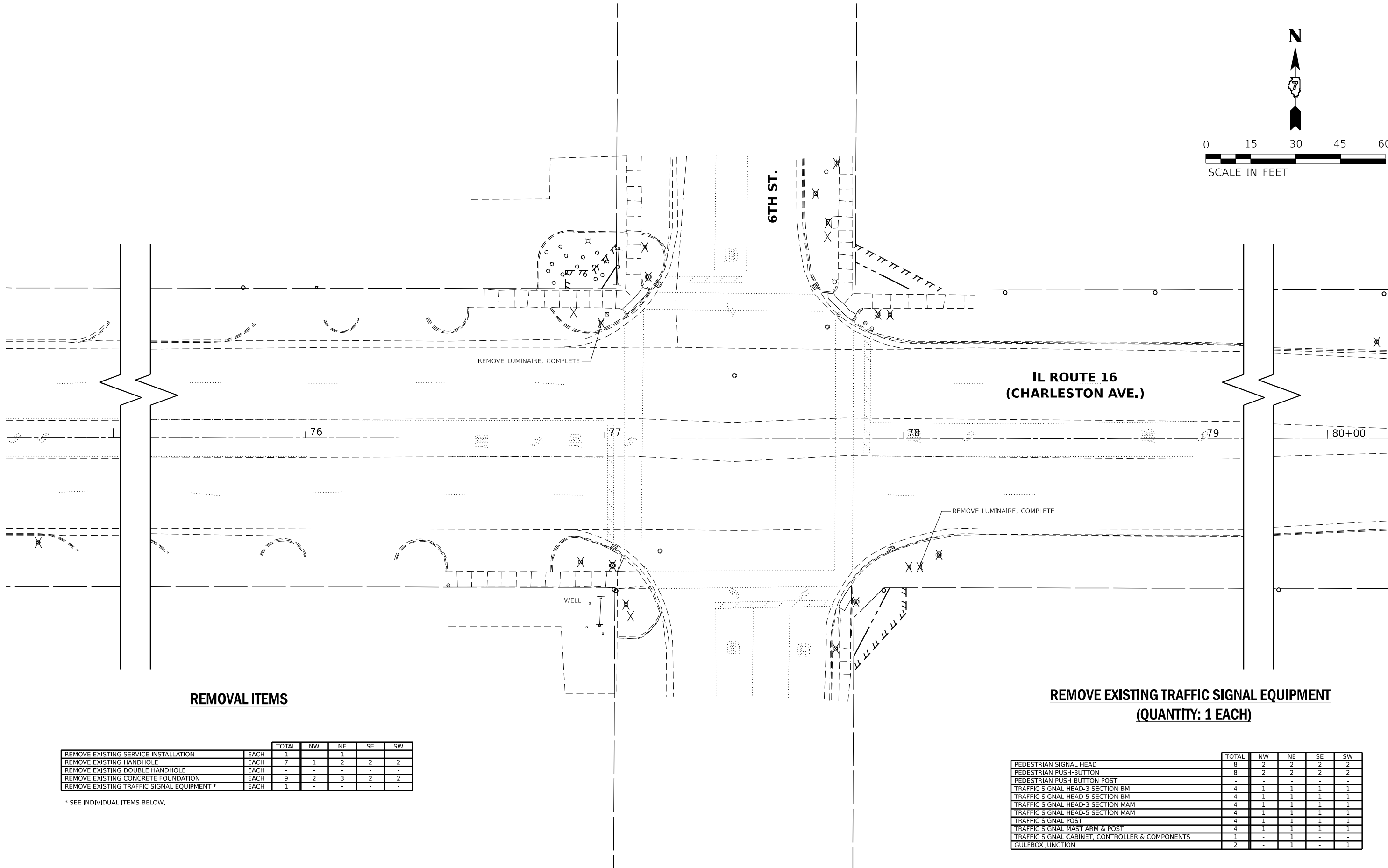
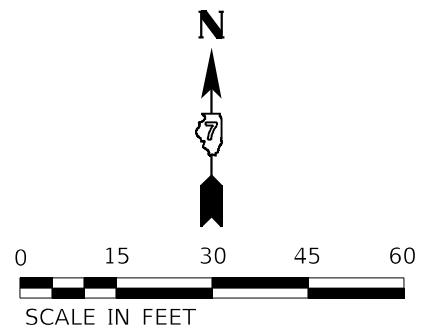


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**INTERSECTION OF IL 16 (CHARLESTON AVE) & 6th STREET
EXISTING UTILITY LAYOUT**

SCALE: 1"=30'	SHEET 50	OF 88	SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0325	502R5-4	COLES	264	195
		CONTRACT NO. 74759		
		ILLINOIS	FED. AID PROJECT	



REMOVAL ITEMS

REMOVE EXISTING SERVICE INSTALLATION	EACH	1	-	1	-	-
REMOVE EXISTING HANDHOLE	EACH	7	1	2	2	2
REMOVE EXISTING DOUBLE HANDHOLE	EACH	-	-	-	-	-
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9	2	3	2	2
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT *	EACH	1	-	-	-	-

* SEE INDIVIDUAL ITEMS BELOW.

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
(QUANTITY: 1 EACH)

	TOTAL	NW	NE	SE	SW
PEDESTRIAN SIGNAL HEAD	8	2	2	2	2
PEDESTRIAN PUSH-BUTTON	8	2	2	2	2
PEDESTRIAN PUSH BUTTON POST	-	-	-	-	-
TRAFFIC SIGNAL HEAD-3 SECTION BM	4	1	1	1	1
TRAFFIC SIGNAL HEAD-3 SECTION BM	4	1	1	1	1
TRAFFIC SIGNAL HEAD-3 SECTION MAM	4	1	1	1	1
TRAFFIC SIGNAL HEAD-3 SECTION MAM	4	1	1	1	1
TRAFFIC SIGNAL POST	4	1	1	1	1
TRAFFIC SIGNAL MAST ARM & POST	4	1	1	1	1
TRAFFIC SIGNAL CABINET, CONTROLLER & COMPONENTS	1	-	1	-	-
GULFBOX JUNCTION	2	-	1	-	1

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HAMPTON, LENZINI AND RENWICK, INC.

380 SHEPARD DRIVE
EUGEN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
L.S. / P.E. / S.E. CORP. 18400889

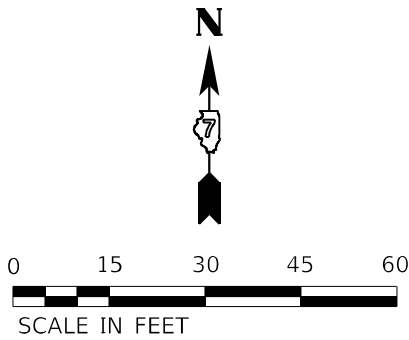
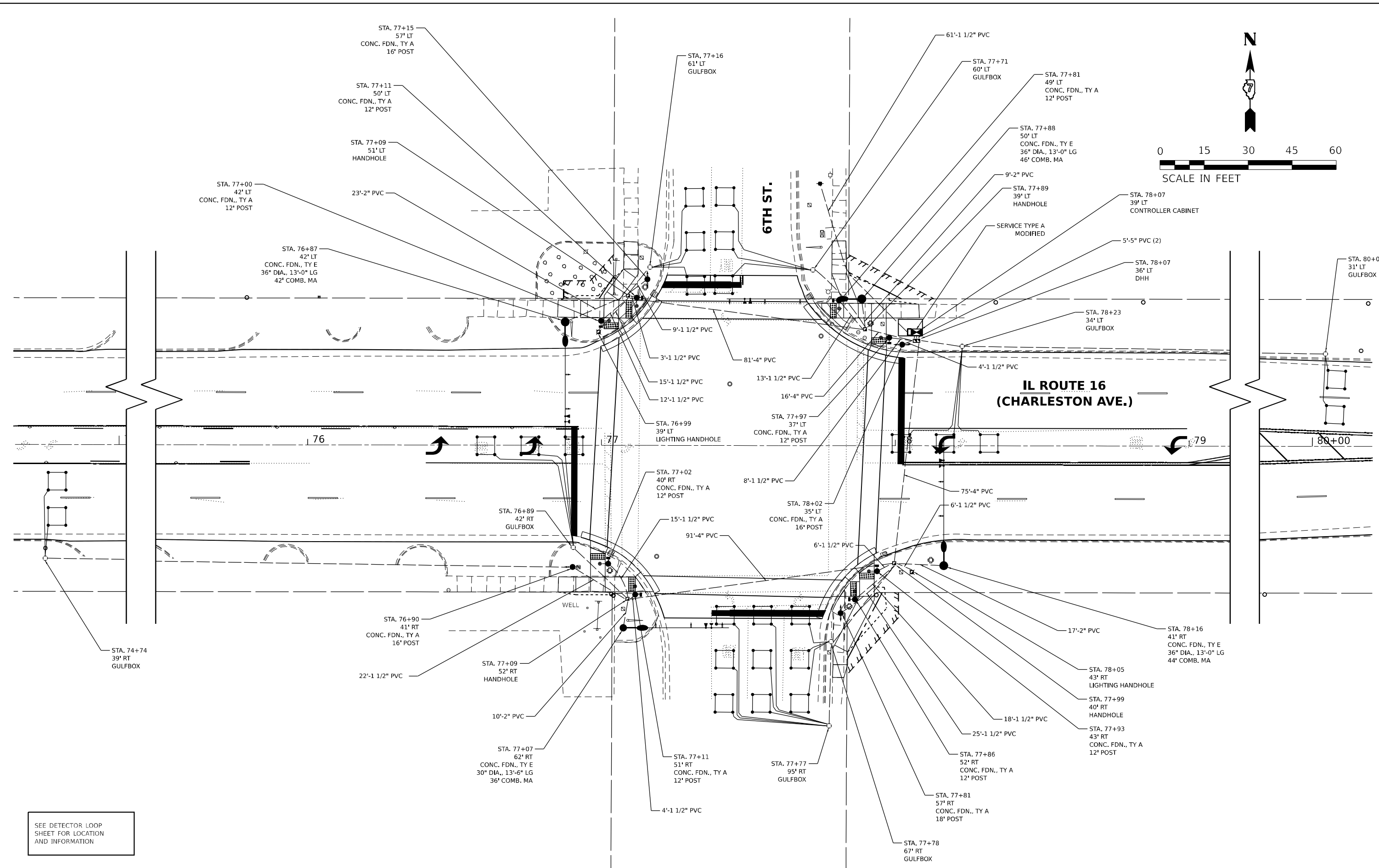
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	DRAWN -	REVISED -
PLOT SCALE = 30,0000' = 1 in.	CHECKED -	REVISED -
PLOT DATE = 7/5/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION OF IL 16 (CHARLESTON AVE) & 6th STREET
TRAFFIC SIGNAL REMOVAL ITEMS

SCALE: 1"=30' SHEET 51 OF 88 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0325	50ZR5-4	COLES	264	196
CONTRACT NO. 74759				
		ILLINOIS	FED. AID PROJECT	

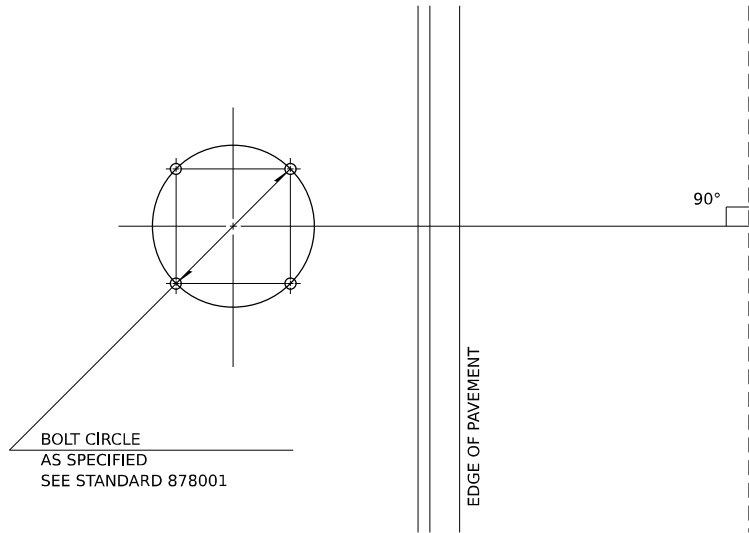


**IL ROUTE 16
(CHARLESTON AVE.)**

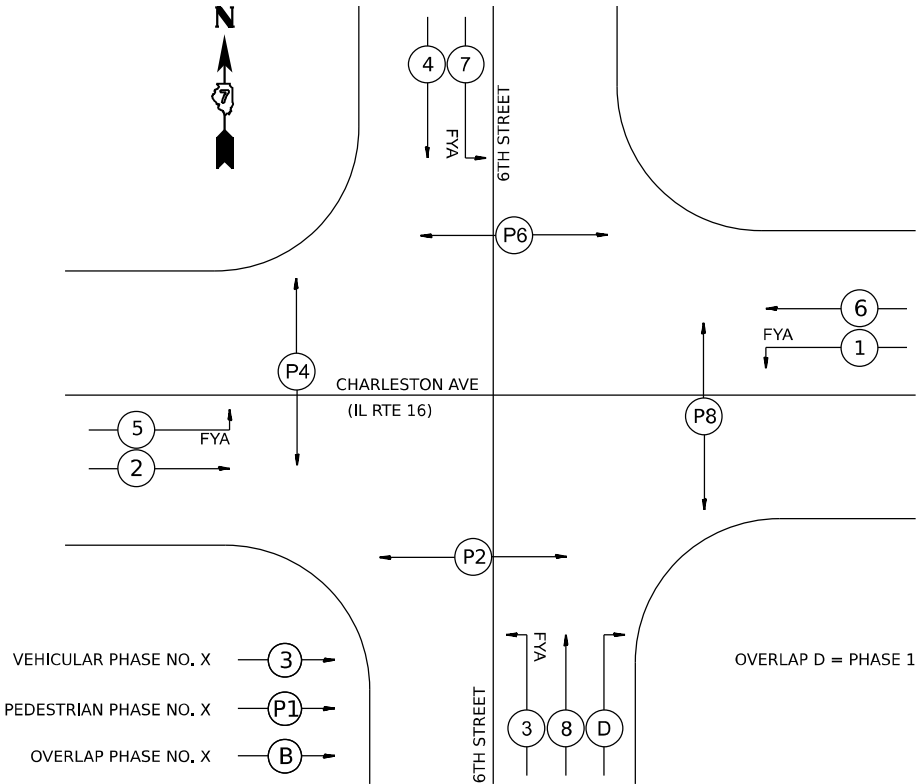
SEE DETECTOR LOOP
SHEET FOR LOCATION
AND INFORMATION

MODEL: Default
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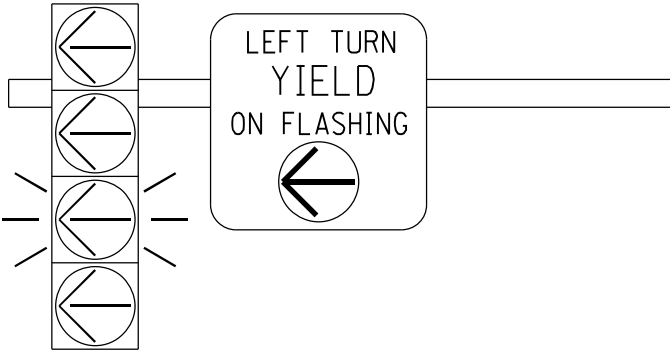
HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE EUGEN, ILLINOIS 60123 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 18400899	USER NAME = nhalan	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERSECTION OF IL 16 (CHARLESTON AVE) & 6th STREET SIGNAL LAYOUT				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						0325	50ZR5-4	COLES	264	197
	PLOT SCALE = 30,0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 74759								
	PLOT DATE = 7/5/2023	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								
					SCALE: 1"=30'	SHEET 52	OF 88 SHEETS	STA.	TO STA.				



DETAIL OF MAST ARM FOUNDATION
BOLT PATTERN

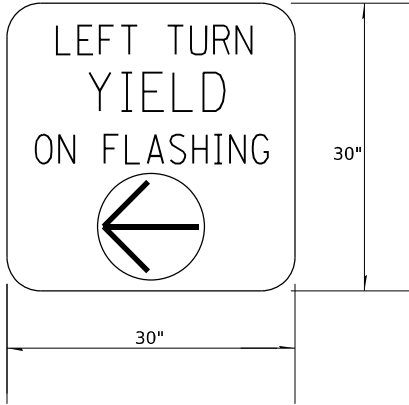


PHASE DESIGNATION DIAGRAM



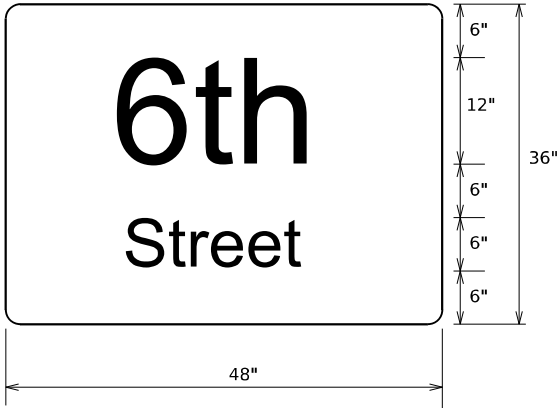
FLASHING YELLOW ARROW
SIGN PANEL DETAILS

- SIGN SHALL HAVE A BLACK REFLECTORIZED LEGEND AND BORDER ON A WHITE REFLECTORIZED BACKGROUND. ARROW IS YELLOW ON A BLACK BACKGROUND.
- AP SHEETING.
- SIGN TO BE INSTALLED DIRECTLY ADJACENT TO FYA SIGNAL HEAD ON MAST ARM.
- ILLINOIS STANDARD R10-I109a SIGN.



TO BE INSTALLED ON WESTBOUND MAST ARM (STA 76+87 42' LT)
TO BE INSTALLED ON EASTBOUND MAST ARM (STA 78+16 41' RT)
TO BE INSTALLED ON SOUTHBOUND MAST ARM (STA 77+07 62' RT)
TO BE INSTALLED ON NORTHBOUND MAST ARM (STA 77+88 50' LT)

- SIGN SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND.
- AP SHEETING.
- UPPER/LOWER CASE LETTERS, HIGHWAY D.



TO BE INSTALLED ON WESTBOUND MAST ARM (STA 76+87 42' LT)
TO BE INSTALLED ON EASTBOUND MAST ARM (STA 78+16 41' RT)

- SIGN SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND.
- AP SHEETING.
- UPPER/LOWER CASE LETTERS, HIGHWAY D.



TO BE INSTALLED ON SOUTHBOUND MAST ARM (STA 77+07 62' RT)
TO BE INSTALLED ON NORTHBOUND MAST ARM (STA 77+88 50' LT)

SIGN PANEL DETAILS

MODEL: Default
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HAMPTON, LENZINI AND RENWICK, INC.
380 SHEPARD DRIVE
EUGEN, ILLINOIS 60123
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 18400889

USER NAME	= nhalan
DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-
PLOT SCALE	= 40,0000 ' / in.
PLOT DATE	= 7/5/2023

DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION OF IL 16 (CHARLESTON AVE) & 6TH STREET
DETAILS

SCALE: SHEET 56 OF 88 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0325	50ZR5-4	COLES	264	201
CONTRACT NO. 74759				
ILLINOIS FED. AID PROJECT				