

**LEGEND**

- GRADING LINE
- x (XXX.XX) EXISTING SPOT ELEVATION
- X XXX.XX PROPOSED SPOT ELEVATION
- (X.XX%) EXISTING SLOPE
- X.XX% PROPOSED SLOPE
- DIRECTION OF FLOW

**NOTES**

1. ELEVATIONS ARE SHOWN AT 25' STATION INTERVALS UNLESS OTHERWISE NOTED.
2. STATION CALL-OUTS ARE WITH RESPECT TO MAIN STREET UNLESS DENOTED WITH (B) WHICH IS WITH RESPECT TO IL ROUTE 31.

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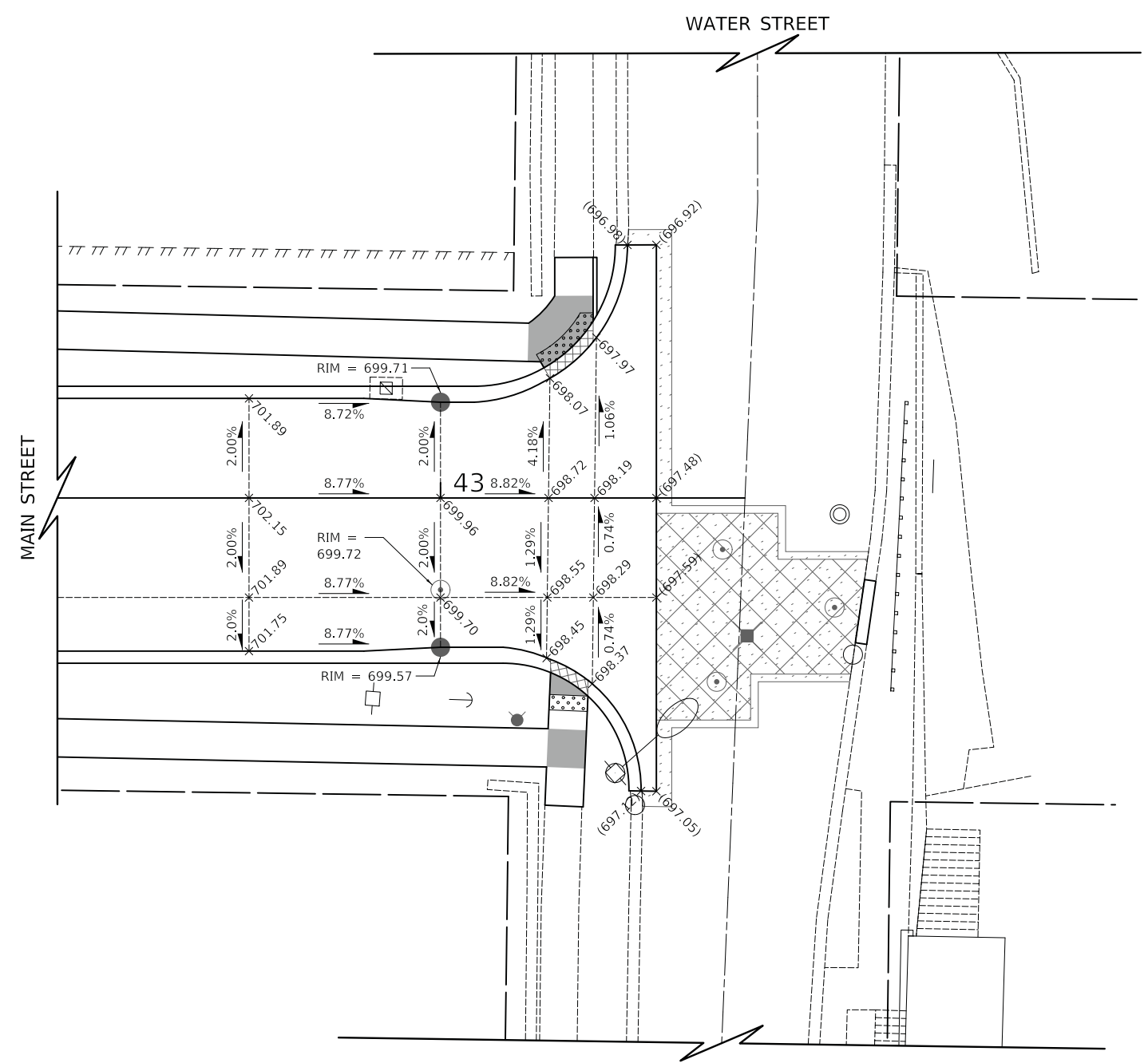
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	DRAWN - MJP	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - DNM	REVISED -
PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 31 AND MAIN STREET**  
**INTERSECTION GRADING PLAN**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	12-00073-02-FP	KANE	207	101
CONTRACT NO. 61F32				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- GRADING LINE
- x (XXX.XX) EXISTING SPOT ELEVATION
- x XXX.XX PROPOSED SPOT ELEVATION
- (X.XX%) EXISTING SLOPE
- X.XX% PROPOSED SLOPE
- DIRECTION OF FLOW

**NOTES**

1. ELEVATIONS ARE SHOWN AT 25' STATION INTERVALS UNLESS OTHERWISE NOTED.

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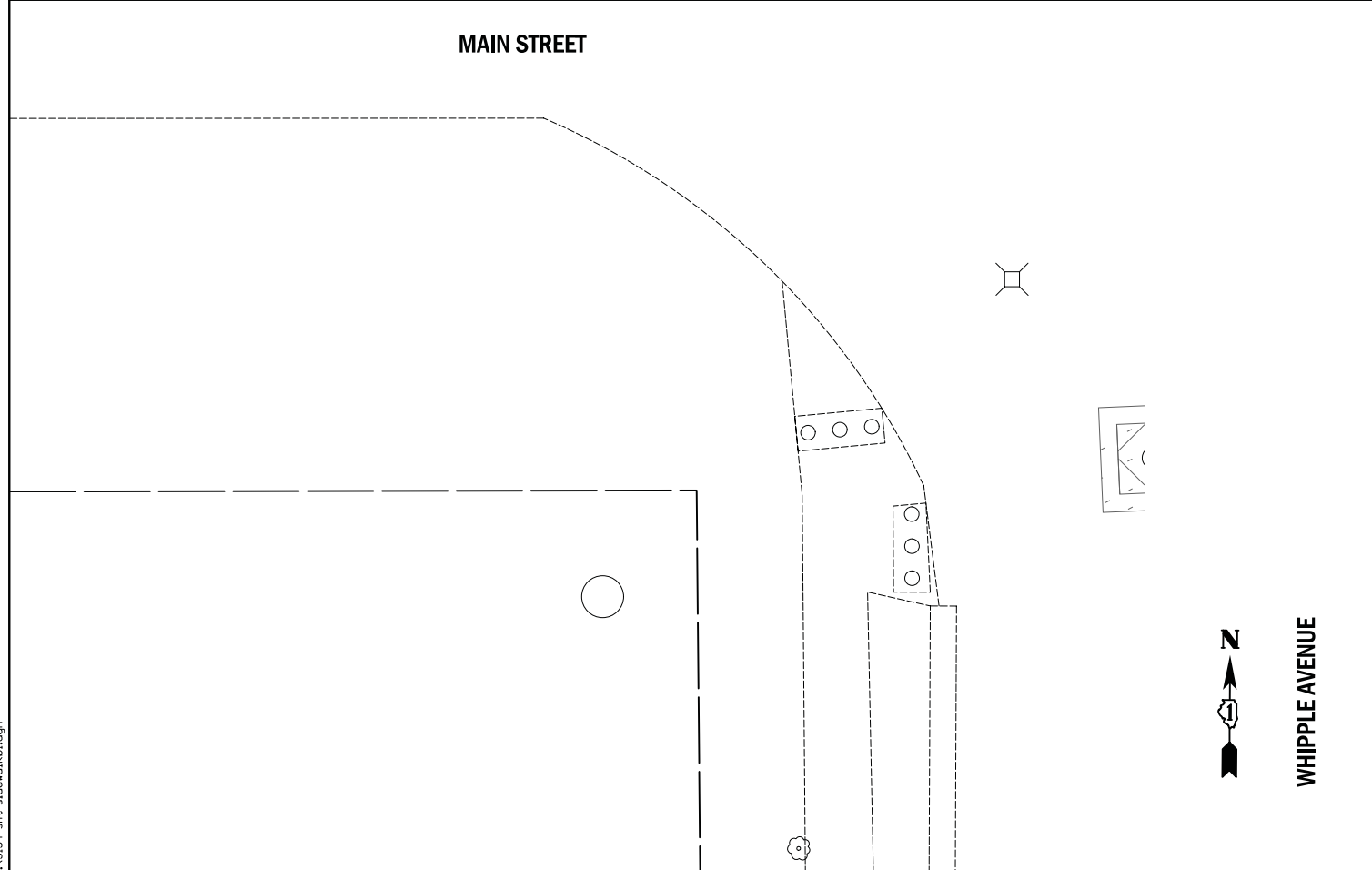
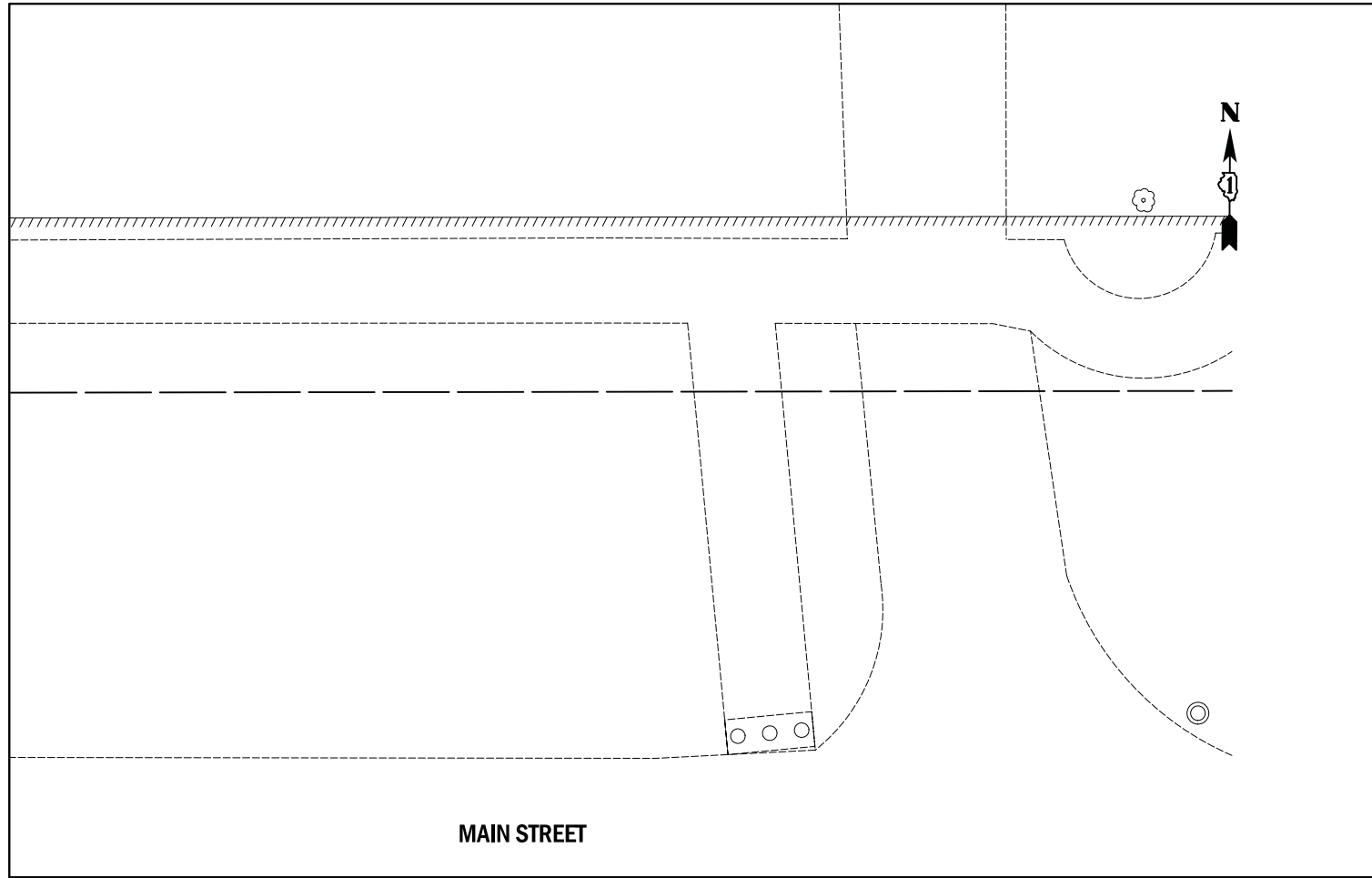
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PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**MAIN STREET AND WATER STREET**  
**INTERSECTION GRADING PLAN**

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

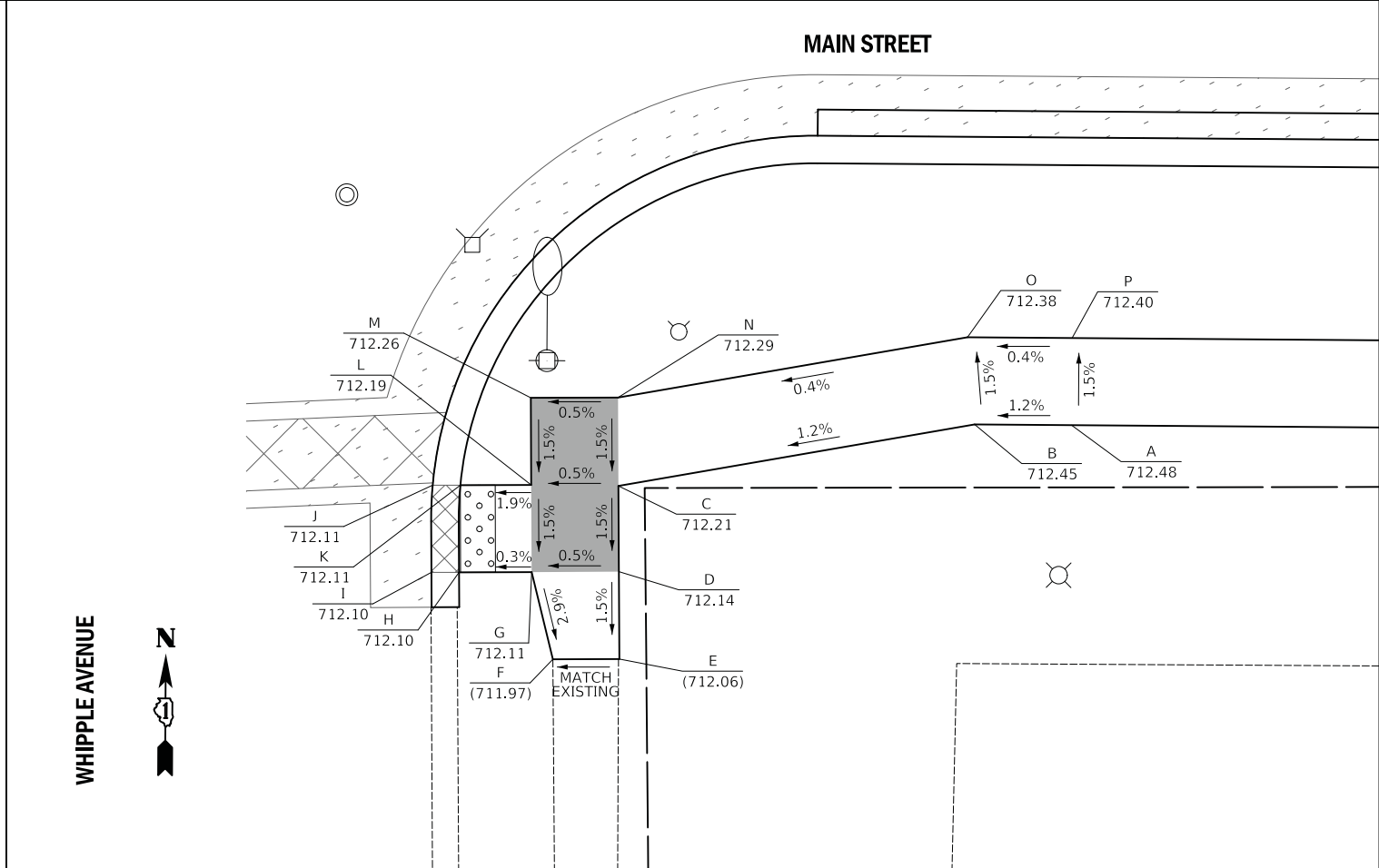
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1442	12-00073-02-FP	KANE	207	102
CONTRACT NO. 61F32			ILLINOIS FED. AID PROJECT	



**LEGEND**

X	LOCATION POINT
(XXX.XX)	EXISTING ELEVATION
X	LOCATION POINT
XXX.XX	PROPOSED ELEVATION
BC-X	BACK-OF-CURB POINT
(XXX.XX)	EXISTING ELEVATION
BC-X	BACK-OF-CURB POINT
XXX.XX	PROPOSED ELEVATION

WHIPPLE (SE QUADRANT)		
POINT	STATION	OFFSET
A	10+50.00	29.50 RT
B	10+44.45	29.50 RT
C	10+23.72	33.07 RT
D	10+23.73	37.99 RT
E	10+23.74	43.00 RT
F	10+19.93	43.00 RT
G	10+18.73	38.00 RT
H	10+14.56	38.00 RT
I	10+12.98	38.00 RT
J	10+13.06	33.00 RT
K	10+14.65	33.00 RT
L	10+18.72	33.00 RT
M	10+18.70	28.00 RT
N	10+23.70	28.00 RT
O	10+44.00	24.50 RT
P	10+50.00	24.50 RT



PLOT DRIVER = ...  
 PEN TABLE = ...  
 FILE NAME = ...



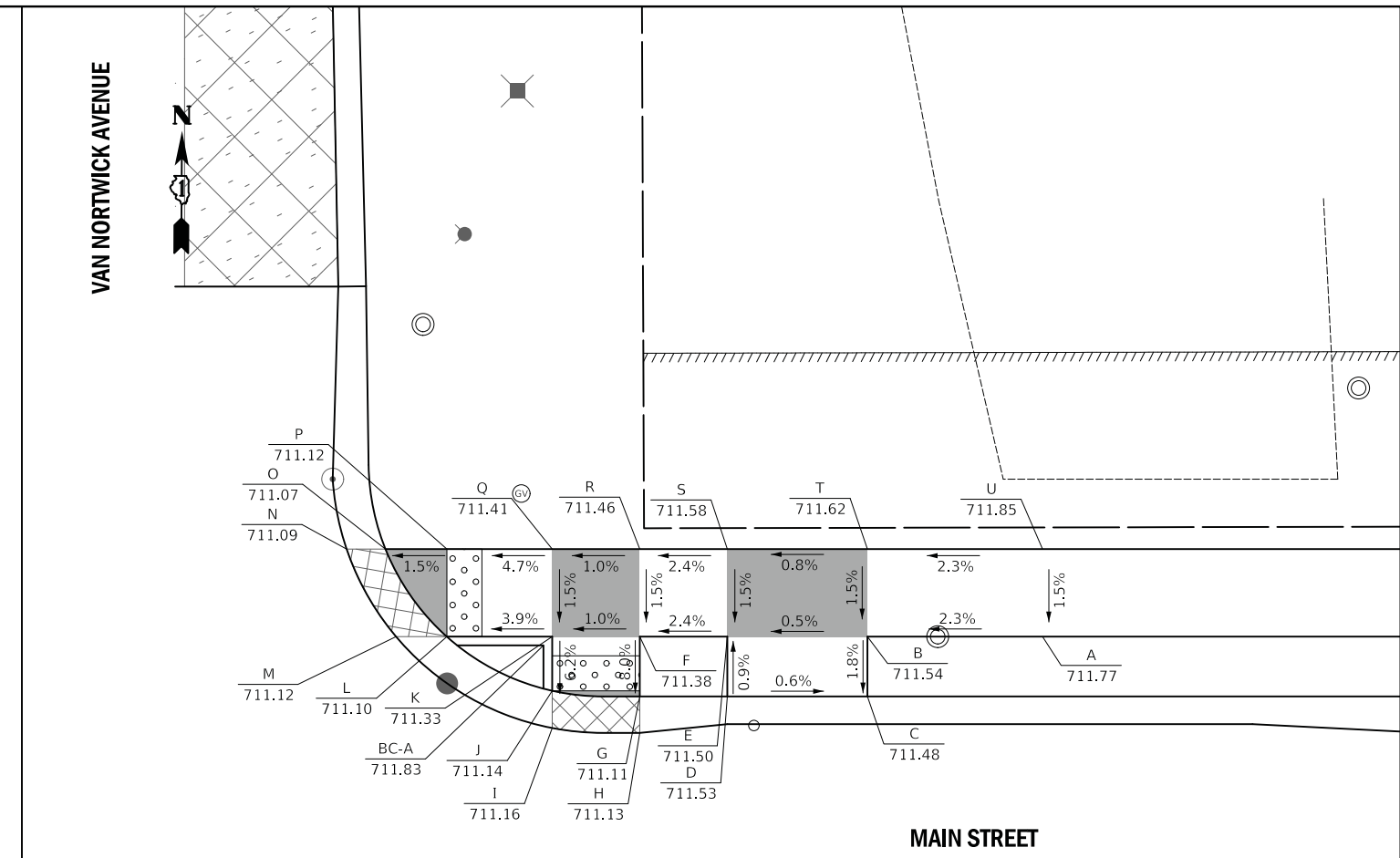
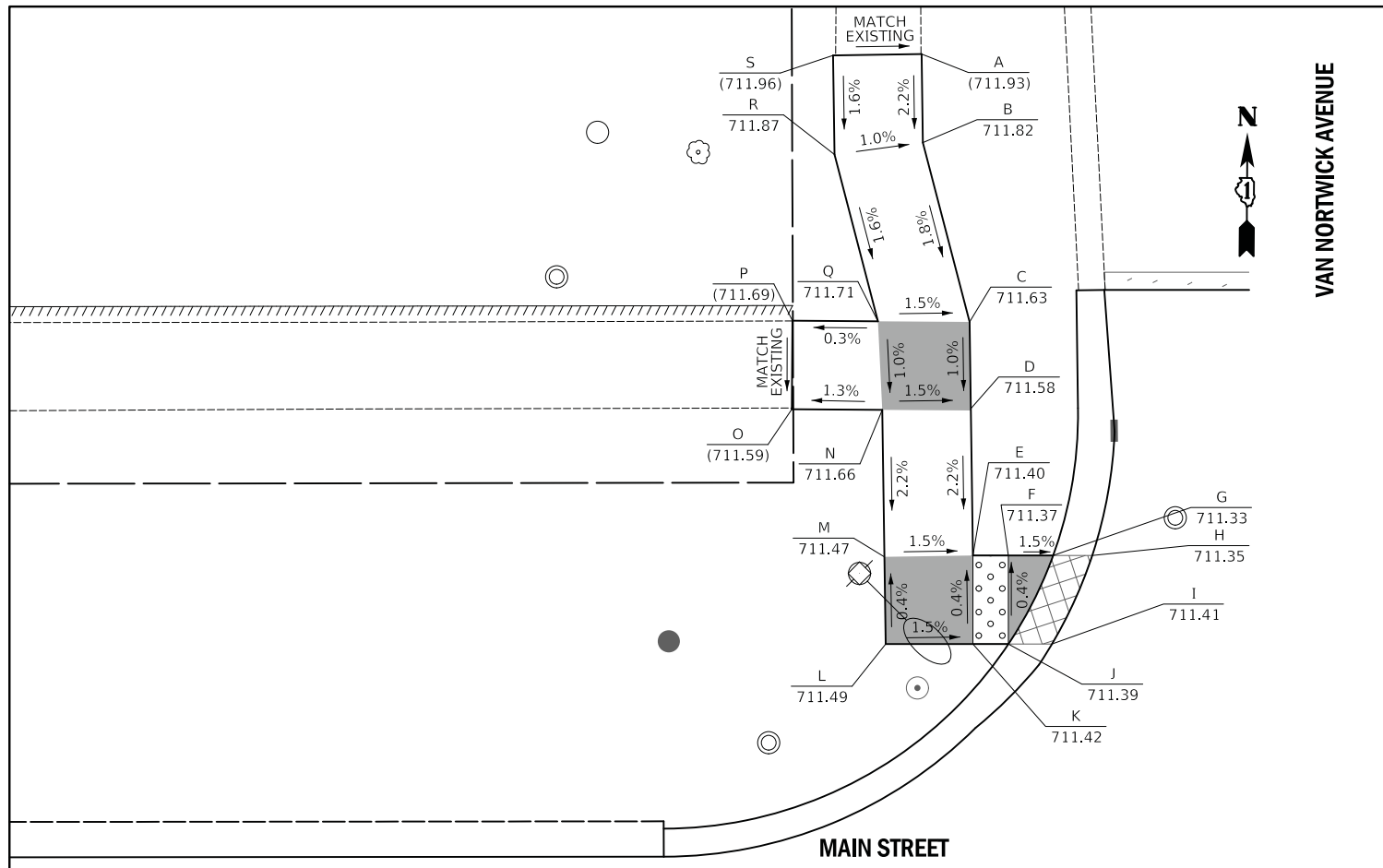
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PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

MAIN STREET AND WHIPPLE AVENUE  
 SIDEWALK GRADING PLAN

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
524	12-00073-02-FP	KANE	207	103
CONTRACT NO. 61F32			ILLINOIS FED. AID PROJECT	



**LEGEND**

- X (XXX.XX) LOCATION POINT EXISTING ELEVATION
- X (XXX.XX) LOCATION POINT PROPOSED ELEVATION
- BC-X (XXX.XX) BACK-OF-CURB POINT EXISTING ELEVATION
- BC-X (XXX.XX) BACK-OF-CURB POINT PROPOSED ELEVATION

**VAN NORTWICK (NW QUADRANT)**

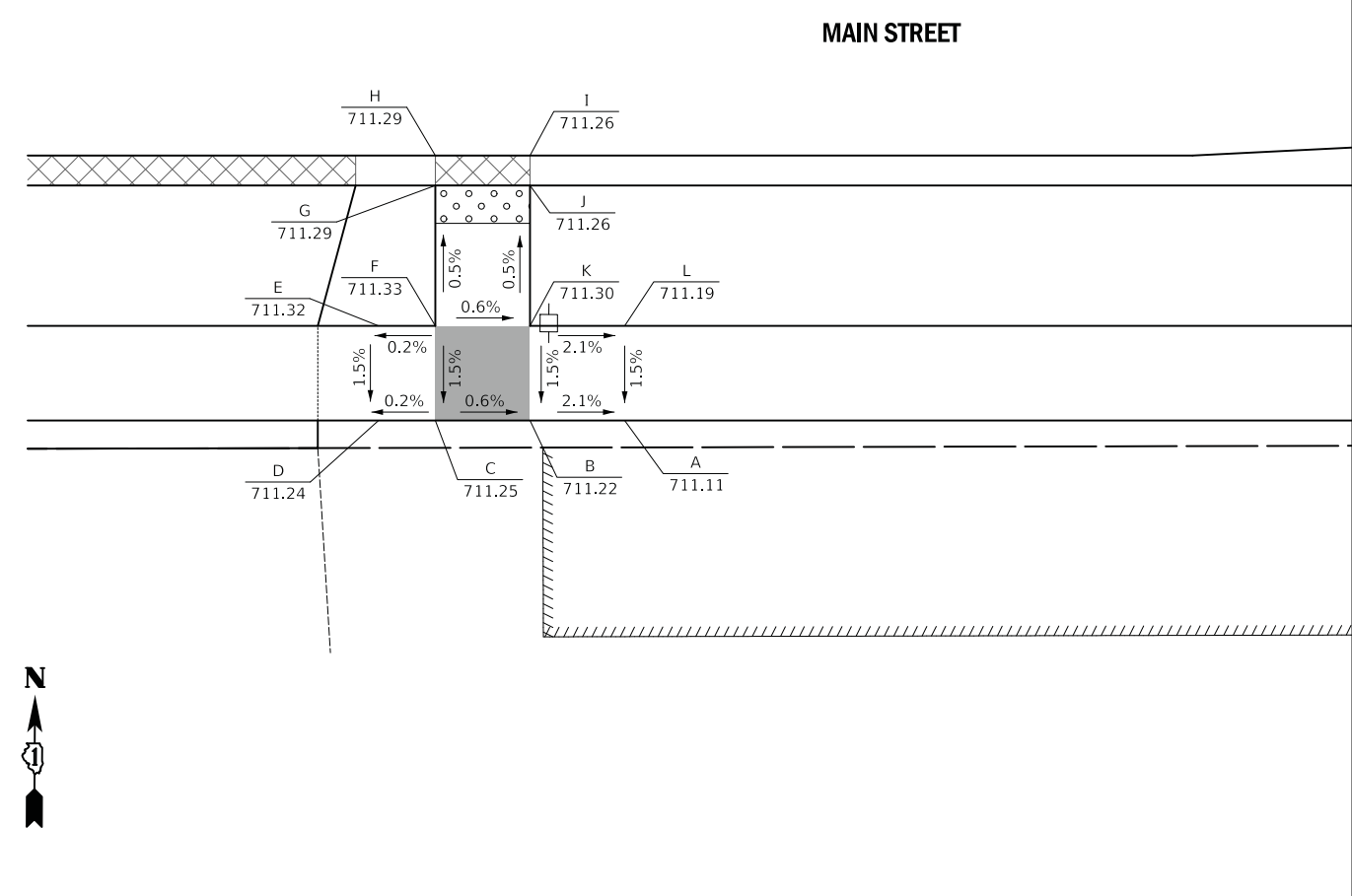
POINT	STATION	OFFSET
A	12+05.46	58.32 LT
B	12+05.53	53.32 LT
C	12+08.17	43.19 LT
D	12+08.24	38.30 LT
E	12+08.36	30.00 LT
F	12+10.36	30.00 LT
G	12+12.89	30.00 LT
H	12+15.09	30.00 LT
I	12+12.82	25.00 LT
J	12+10.36	25.00 LT
K	12+08.36	25.00 LT
L	12+03.43	25.00 LT
M	12+03.36	29.93 LT
N	12+03.24	38.23 LT
O	11+97.85	38.25 LT
P	11+97.85	43.25 LT
Q	12+02.99	43.23 LT
R	12+00.54	52.64 LT
S	12+00.46	58.25 LT

**VAN NORTWICK (NE QUADRANT)**

POINT	STATION	OFFSET
A	12+81.00	25.00 LT
B	12+71.00	25.00 LT
C	12+71.00	21.58 LT
D	12+63.00	21.58 LT
E	12+63.00	25.00 LT
F	12+58.00	25.00 LT
G	12+58.00	21.58 LT
H	12+58.00	19.50 LT
I	12+53.00	19.78 LT
J	12+53.00	21.91 LT
K	12+53.00	25.00 LT
L	12+46.98	25.00 LT
M	12+44.08	25.00 LT
N	12+41.26	30.00 LT
O	12+43.48	30.00 LT
P	12+46.98	30.00 LT
Q	12+53.00	30.00 LT
R	12+58.00	30.00 LT
S	12+63.00	30.00 LT
T	12+71.00	30.00 LT
U	12+81.00	30.00 LT
BC-A	12+52.50	24.50 LT

**VAN NORTWICK (SE QUADRANT)**

POINT	STATION	OFFSET
A	12+63.00	27.00 RT
B	12+58.00	27.00 RT
C	12+53.00	27.00 RT
D	12+50.00	27.00 RT
E	12+50.00	22.00 RT
F	12+53.00	22.00 RT
G	12+53.00	14.58 RT
H	12+53.00	13.00 RT
I	12+58.00	13.00 RT
J	12+58.00	14.58 RT
K	12+58.00	22.00 RT
L	12+63.00	22.00 RT



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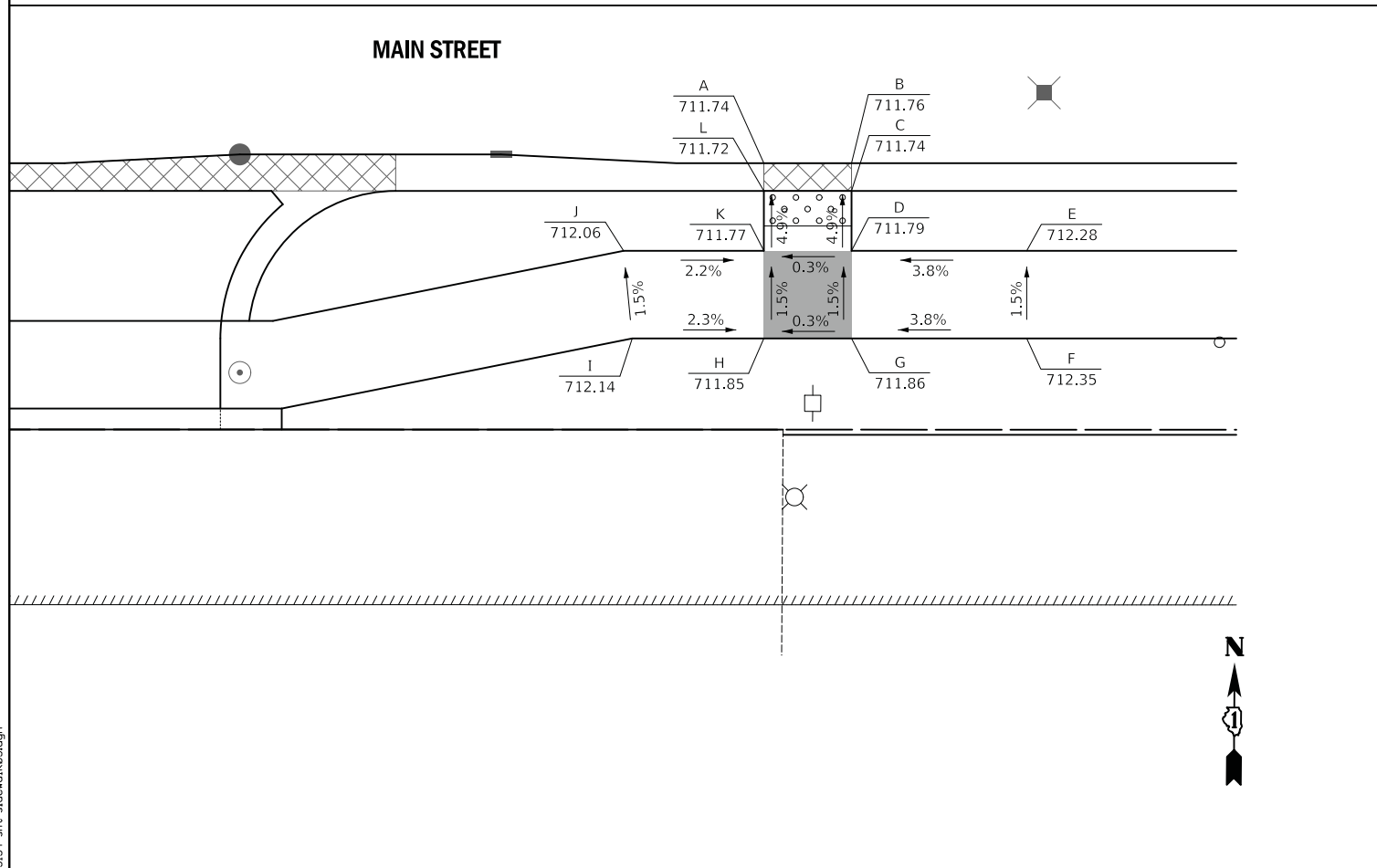
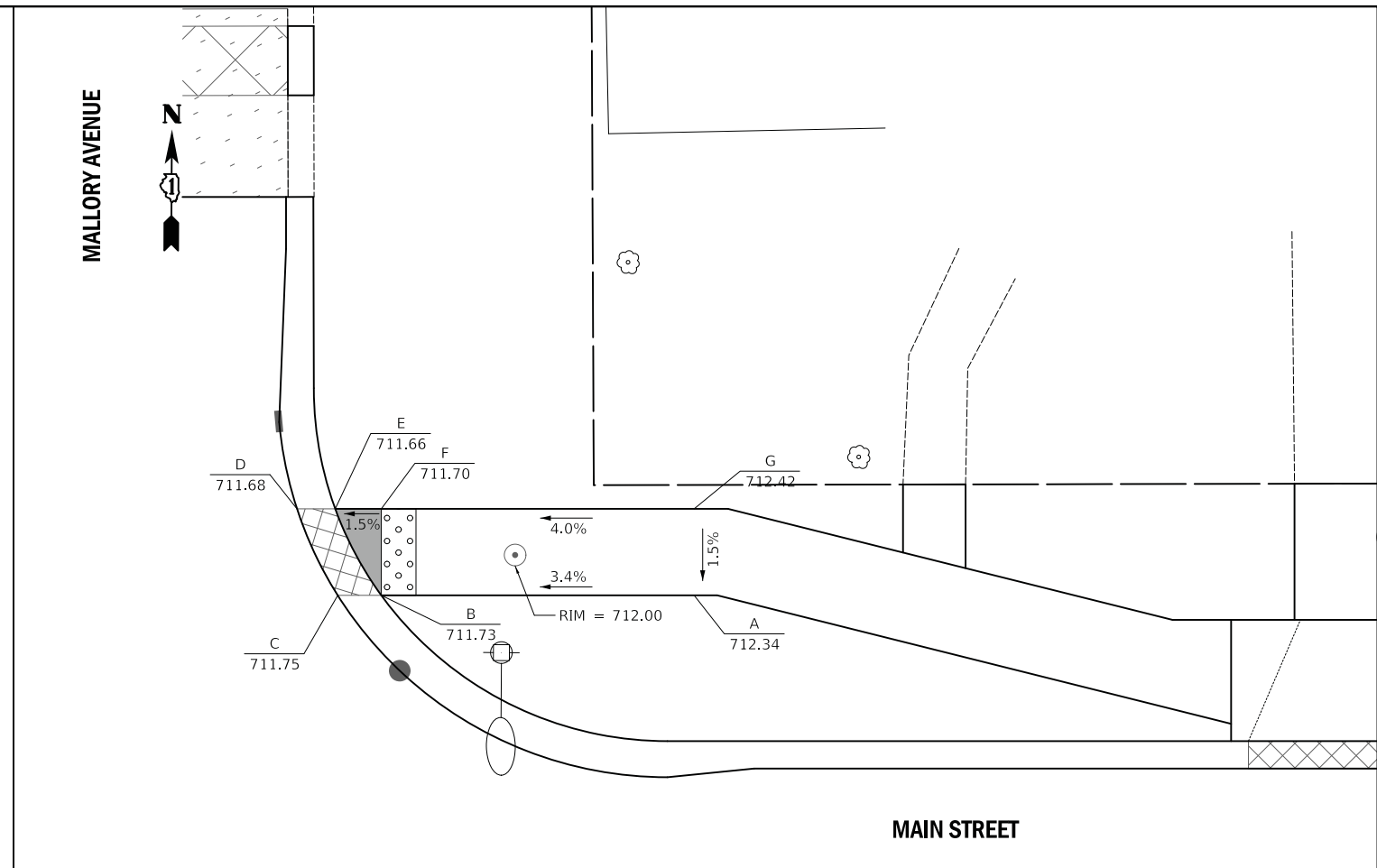
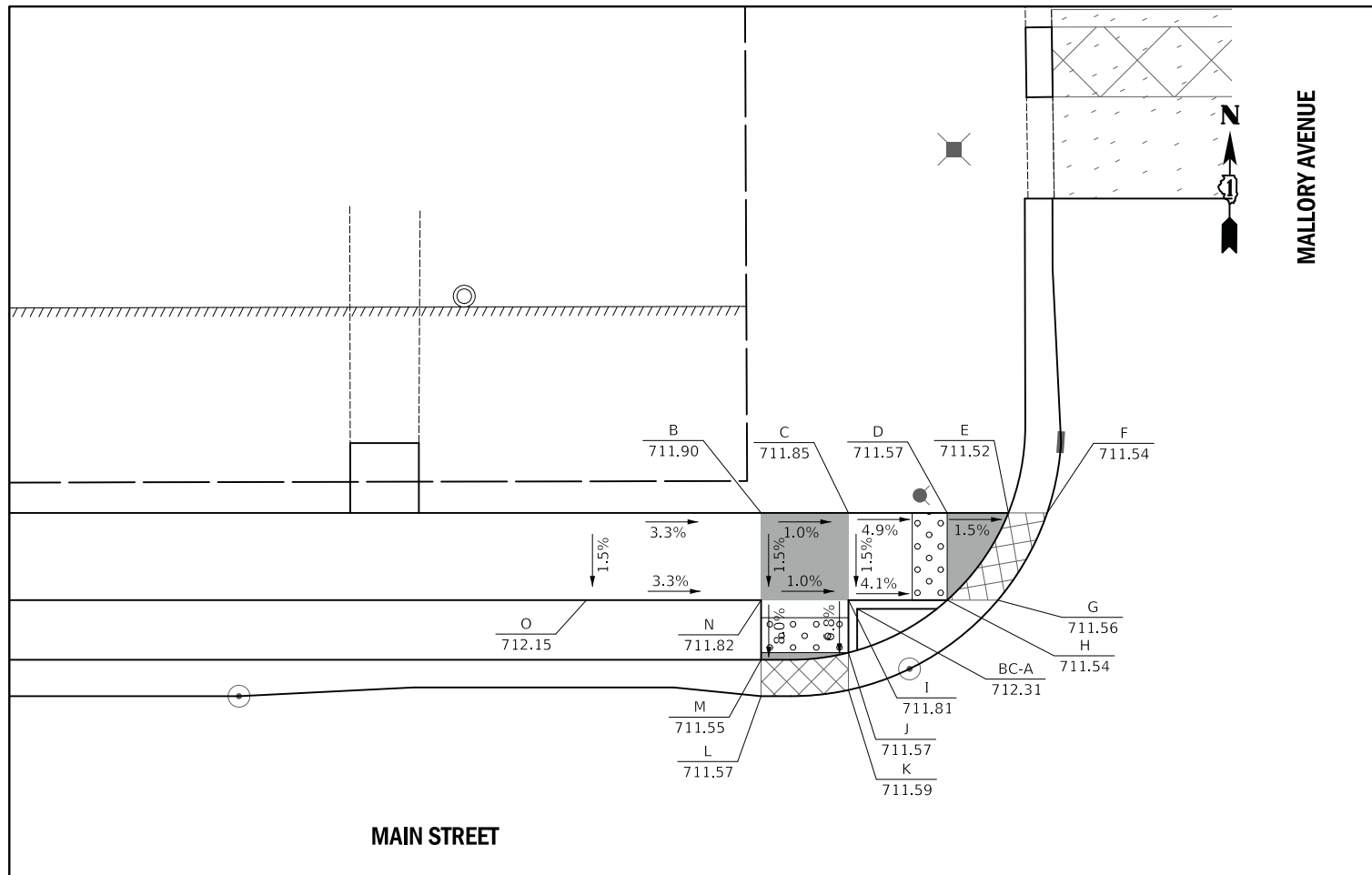
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PLOT SCALE = 5.0000' / 1"	CHECKED - DNM	REVISED -
PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**MAIN STREET AND VAN NORTWICK AVENUE  
SIDEWALK GRADING PLAN**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
524	12-00073-02-FP	KANE	207	104
CONTRACT NO. 61F32				
ILLINOIS FED. AID PROJECT				



**LEGEND**

X  
(XXX.XX) LOCATION POINT  
EXISTING ELEVATION

X  
XXX.XX LOCATION POINT  
PROPOSED ELEVATION

BC-X  
(XXX.XX) BACK-OF-CURB POINT  
EXISTING ELEVATION

BC-X  
XXX.XX BACK-OF-CURB POINT  
PROPOSED ELEVATION

MALLORY (NW QUADRANT)		
POINT	STATION	OFFSET
A	15+50.00	30.00 LT
B	15+60.00	30.00 LT
C	15+65.00	30.00 LT
D	15+70.66	30.00 LT
E	15+74.16	30.00 LT
F	15+76.38	30.00 LT
G	15+73.56	25.00 LT
H	15+70.66	25.00 LT
I	15+65.00	25.00 LT
J	15+65.00	21.99 LT
K	15+65.00	19.85 LT
L	15+60.00	19.50 LT
M	15+60.00	21.58 LT
N	15+60.00	25.00 LT
O	15+50.00	25.00 LT
BC-A	15+65.50	24.50 LT

MALLORY (SW QUADRANT)		
POINT	STATION	OFFSET
A	15+60.00	13.00 RT
B	15+65.00	13.00 RT
C	15+65.00	14.58 RT
D	15+65.00	18.00 RT
E	15+75.00	18.00 RT
F	15+75.00	23.00 RT
G	15+65.00	23.00 RT
H	15+60.00	23.00 RT
I	15+52.50	23.00 RT
J	15+52.00	18.00 RT
K	15+60.00	18.00 RT
L	15+60.00	14.58 RT

MALLORY (NE QUADRANT)		
POINT	STATION	OFFSET
A	16+25.00	25.00 LT
B	16+06.94	25.00 LT
C	16+04.43	25.00 LT
D	16+02.08	30.00 LT
E	16+04.28	30.00 LT
F	16+06.94	30.00 LT
G	16+25.00	30.00 LT

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	DRAWN - MJP	REVISED -
PLOT SCALE = 5.0000' / 1"	CHECKED - DNM	REVISED -
PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MAIN STREET AND MALLORY AVENUE  
SIDEWALK GRADING PLAN

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

F.A.P. RTE. 524	SECTION 12-00073-02-FP	COUNTY KANE	TOTAL SHEETS 207	SHEET NO. 105
CONTRACT NO. 61F32			ILLINOIS FED. AID PROJECT	

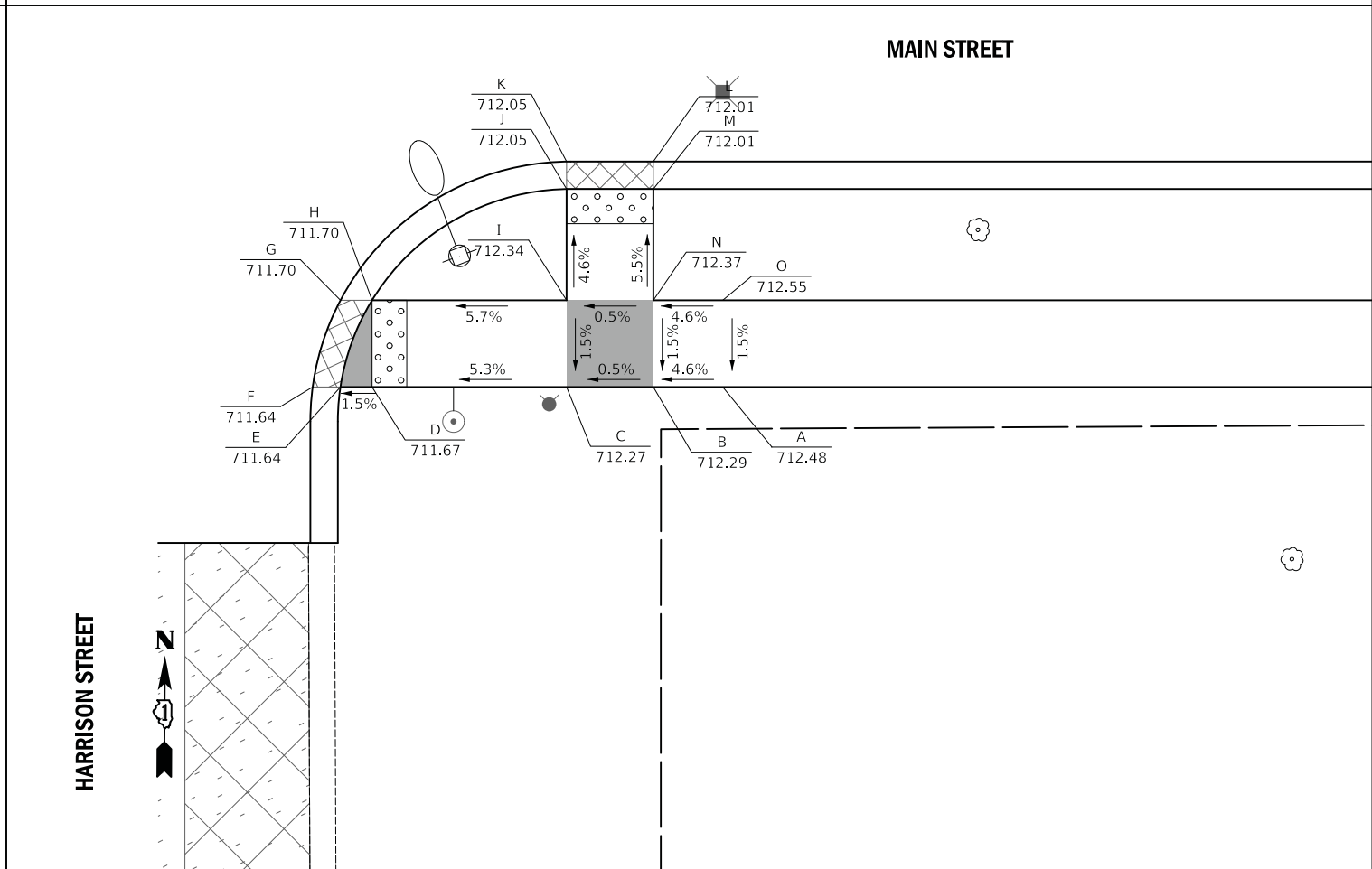
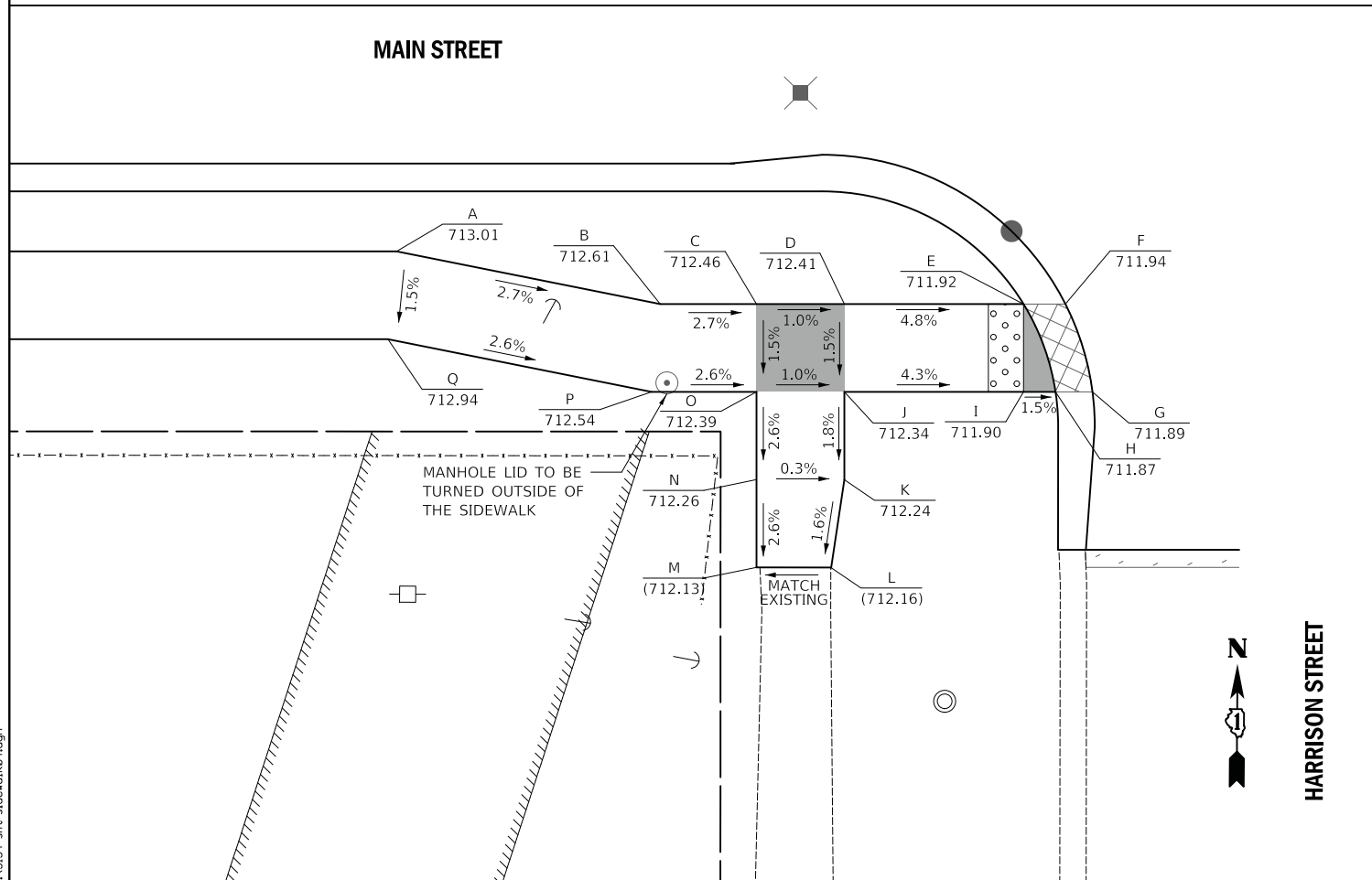
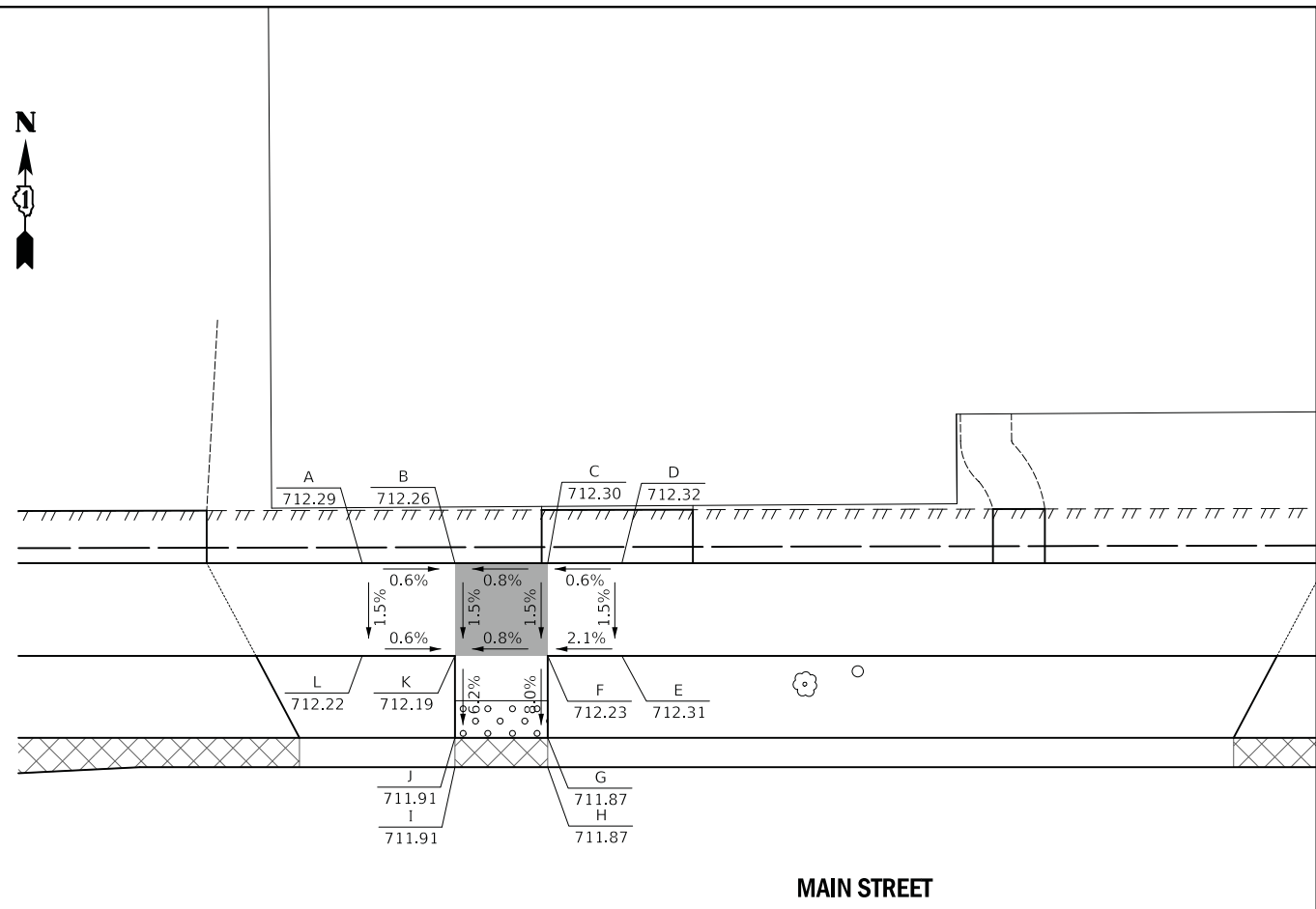
HARRISON (NE QUADRANT)		
POINT	STATION	OFFSET
A	18+61.00	31.00 LT
B	18+66.00	31.00 LT
C	18+71.00	31.00 LT
D	18+75.00	31.00 LT
E	18+75.00	26.00 LT
F	18+71.00	26.00 LT
G	18+71.00	21.58 LT
H	18+71.00	20.00 LT
I	18+66.00	20.00 LT
J	18+66.00	21.58 LT
K	18+66.00	26.00 LT
L	18+61.00	26.00 LT

HARRISON (SW QUADRANT)		
POINT	STATION	OFFSET
A	17+87.00	18.00 RT
B	18+02.00	21.00 RT
C	18+07.48	21.00 RT
D	18+12.48	21.00 RT
E	18+22.68	21.00 RT
F	18+25.06	21.00 RT
G	18+26.60	26.00 RT
H	18+24.50	26.00 RT
I	18+22.68	26.00 RT
J	18+12.48	26.00 RT
K	18+12.48	31.00 RT
L	18+11.73	36.00 RT
M	18+07.48	36.00 RT
N	18+07.48	31.00 RT
O	18+07.48	26.00 RT
P	18+01.50	26.00 RT
Q	17+86.50	23.00 RT

HARRISON (SE QUADRANT)		
POINT	STATION	OFFSET
A	18+75.00	26.00 RT
B	18+71.00	26.00 RT
C	18+66.00	26.00 RT
D	18+54.79	26.00 RT
E	18+52.97	26.00 RT
F	18+51.37	26.00 RT
G	18+52.97	21.00 RT
H	18+54.79	21.00 RT
I	18+66.00	21.00 RT
J	18+66.00	14.59 RT
K	18+66.00	13.00 RT
L	18+71.00	13.00 RT
M	18+71.00	14.58 RT
N	18+71.00	21.00 RT
O	18+75.00	21.00 RT

**LEGEND**

X	LOCATION POINT
(XXX.XX)	EXISTING ELEVATION
X	LOCATION POINT
XXX.XX	PROPOSED ELEVATION
BC-X	BACK-OF-CURB POINT
(XXX.XX)	EXISTING ELEVATION
BC-X	BACK-OF-CURB POINT
XXX.XX	PROPOSED ELEVATION



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	DRAWN - MJP	REVISED -
PLOT SCALE = 5.0000' / 1"	CHECKED - DNM	REVISED -
PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

MAIN STREET AND HARRISON STREET  
 SIDEWALK GRADING PLAN

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

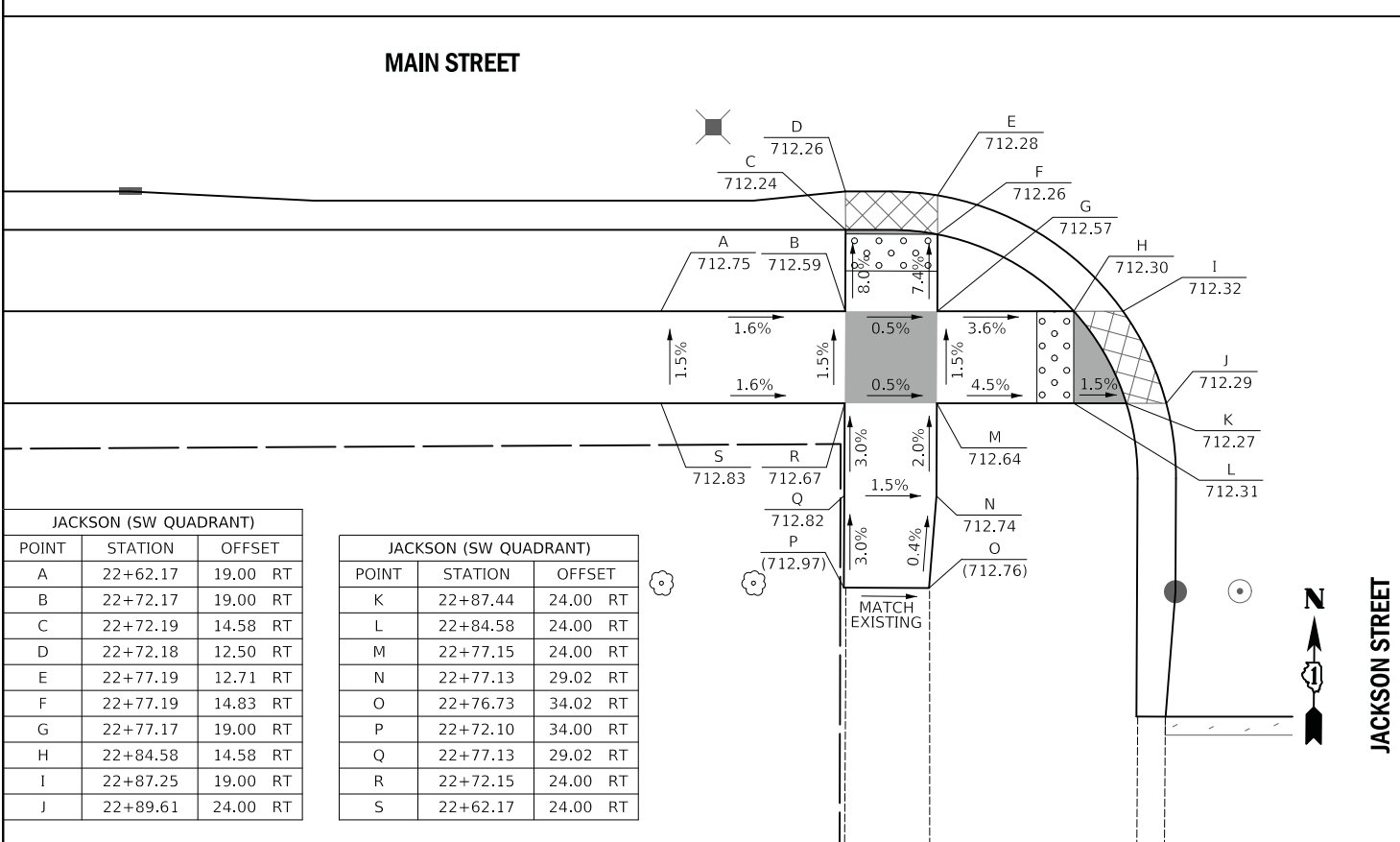
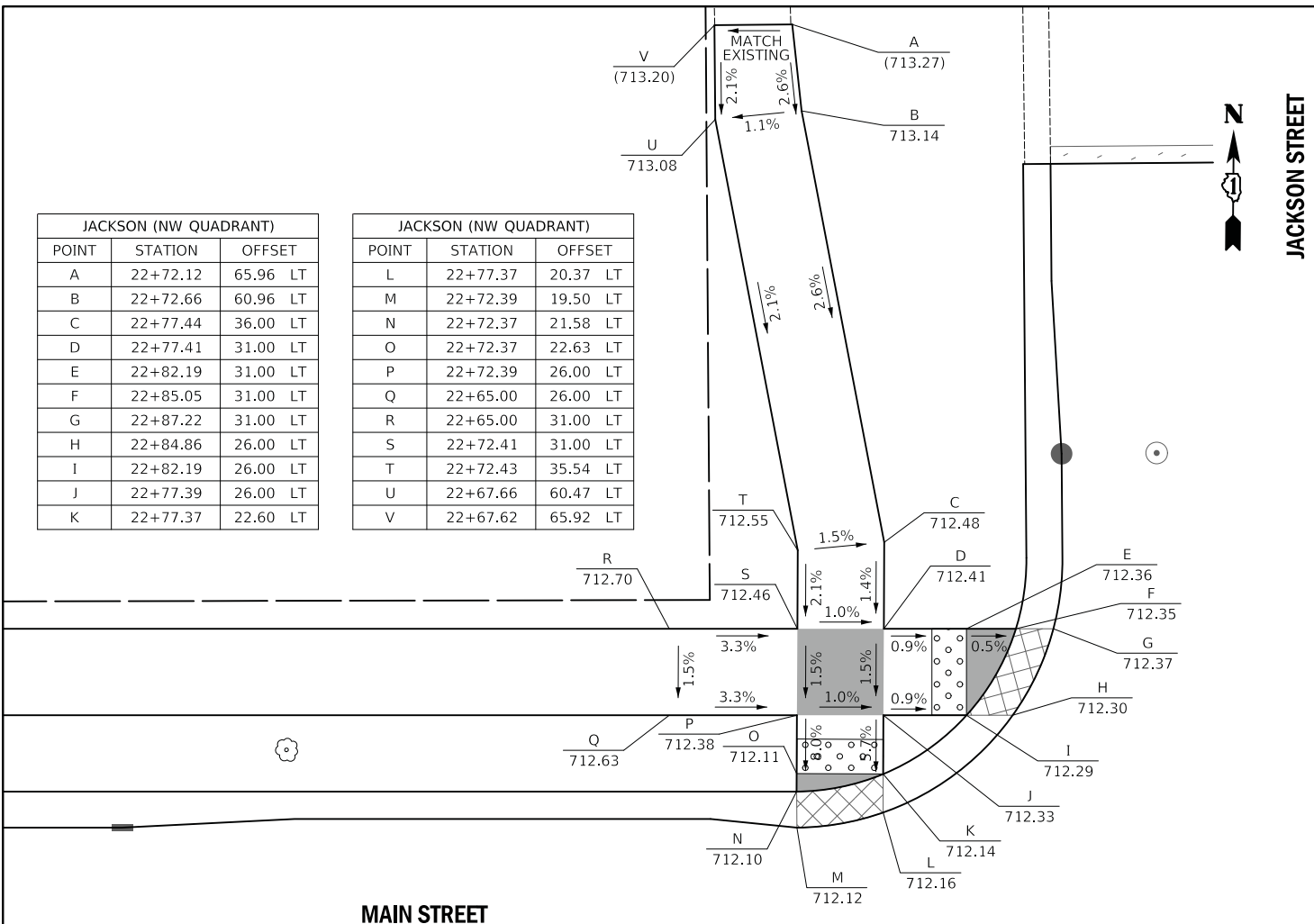
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
524	12-00073-02-FP	KANE	207	106
CONTRACT NO. 61F32			ILLINOIS FED. AID PROJECT	

JACKSON (NW QUADRANT)		
POINT	STATION	OFFSET
A	22+72.12	65.96 LT
B	22+72.66	60.96 LT
C	22+77.44	36.00 LT
D	22+77.41	31.00 LT
E	22+82.19	31.00 LT
F	22+85.05	31.00 LT
G	22+87.22	31.00 LT
H	22+84.86	26.00 LT
I	22+82.19	26.00 LT
J	22+77.39	26.00 LT
K	22+77.37	22.60 LT

JACKSON (NW QUADRANT)		
POINT	STATION	OFFSET
L	22+77.37	20.37 LT
M	22+72.39	19.50 LT
N	22+72.37	21.58 LT
O	22+72.37	22.63 LT
P	22+72.39	26.00 LT
Q	22+65.00	26.00 LT
R	22+65.00	31.00 LT
S	22+72.41	31.00 LT
T	22+72.43	35.54 LT
U	22+67.66	60.47 LT
V	22+67.62	65.92 LT

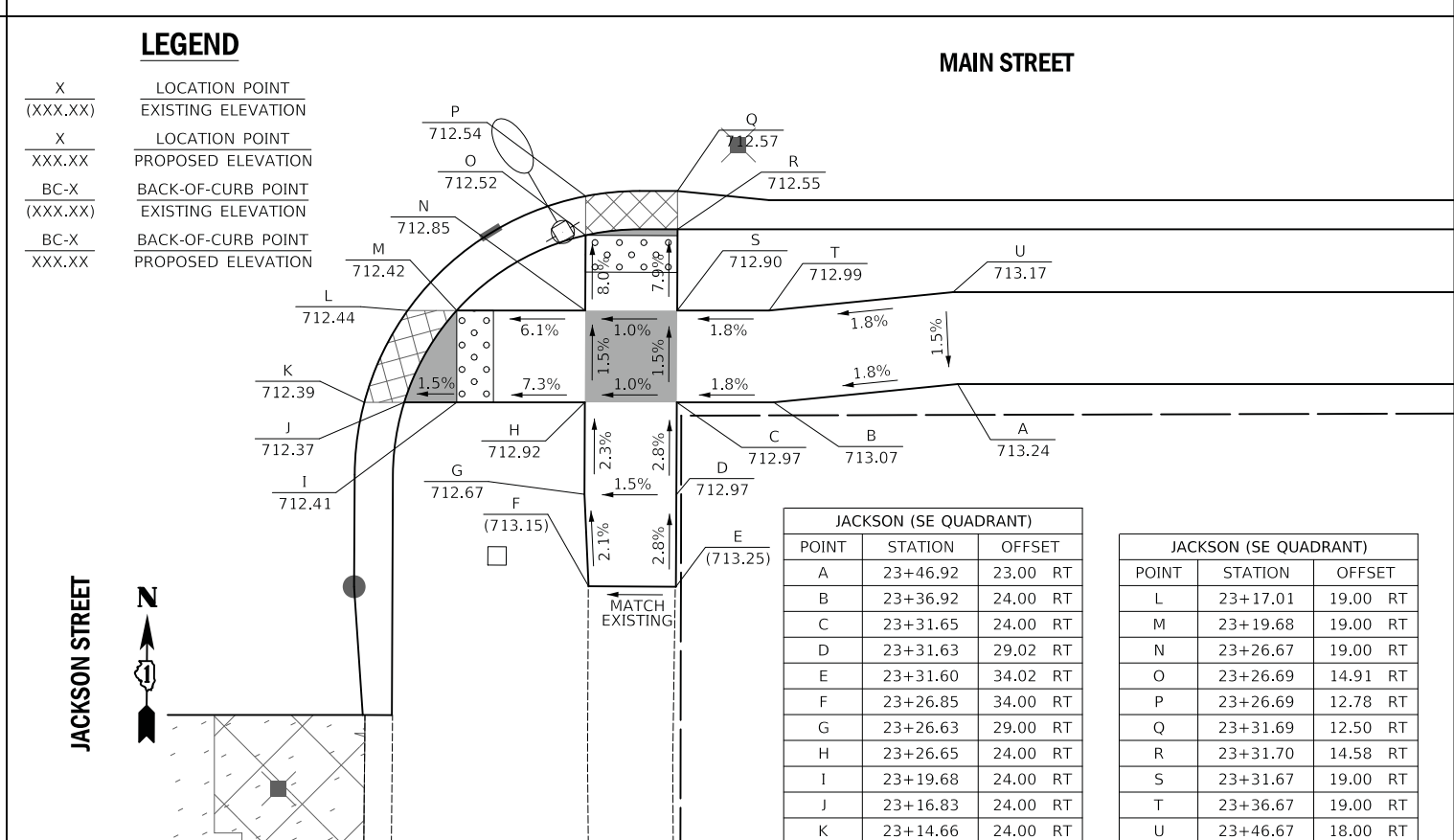
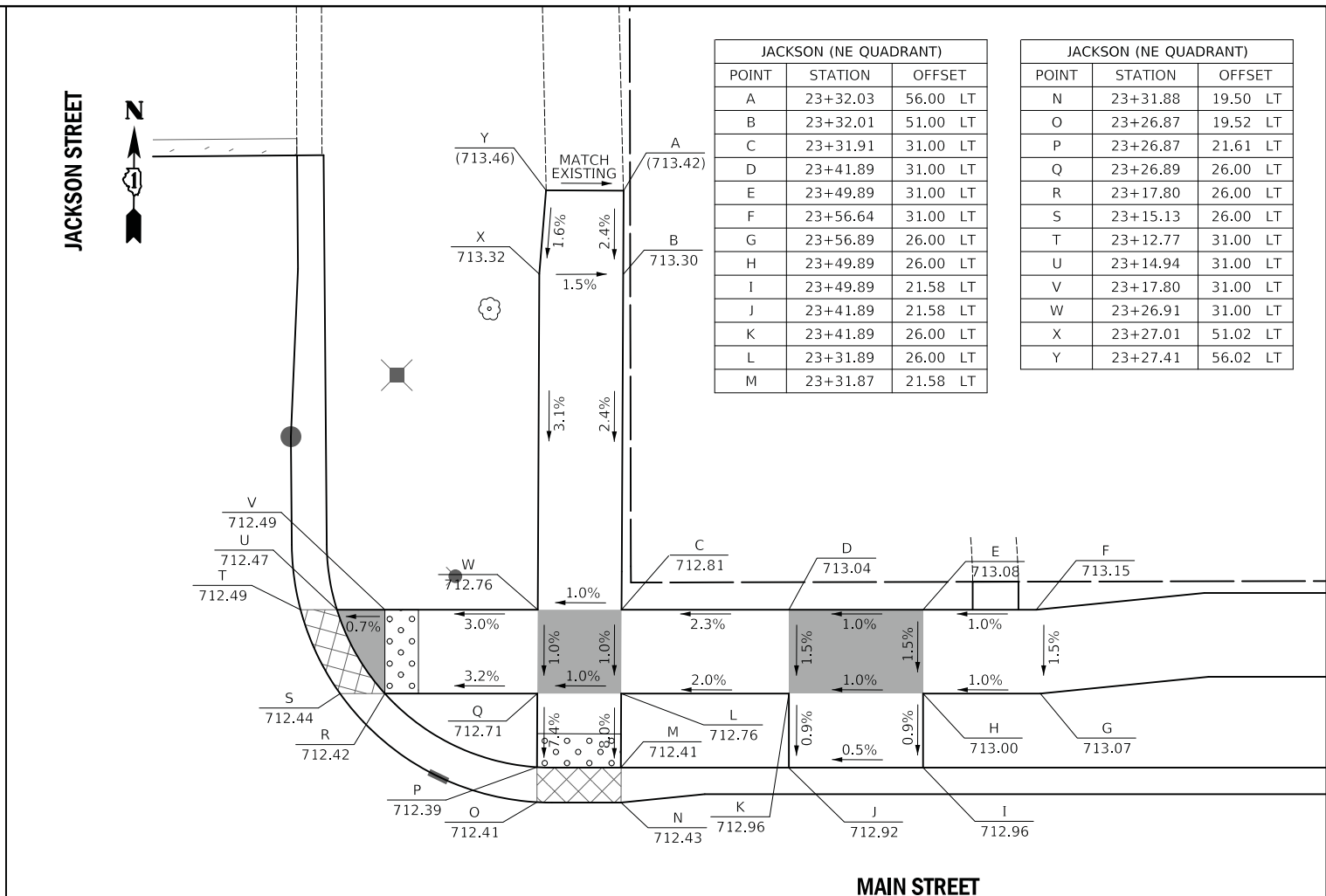
JACKSON (NE QUADRANT)		
POINT	STATION	OFFSET
A	23+32.03	56.00 LT
B	23+32.01	51.00 LT
C	23+31.91	31.00 LT
D	23+41.89	31.00 LT
E	23+49.89	31.00 LT
F	23+56.64	31.00 LT
G	23+56.89	26.00 LT
H	23+49.89	26.00 LT
I	23+49.89	21.58 LT
J	23+41.89	21.58 LT
K	23+41.89	26.00 LT
L	23+31.89	26.00 LT
M	23+31.87	21.58 LT

JACKSON (NE QUADRANT)		
POINT	STATION	OFFSET
N	23+31.88	19.50 LT
O	23+26.87	19.52 LT
P	23+26.87	21.61 LT
Q	23+26.89	26.00 LT
R	23+17.80	26.00 LT
S	23+15.13	26.00 LT
T	23+12.77	31.00 LT
U	23+14.94	31.00 LT
V	23+17.80	31.00 LT
W	23+26.91	31.00 LT
X	23+27.01	51.02 LT
Y	23+27.41	56.02 LT



JACKSON (SW QUADRANT)		
POINT	STATION	OFFSET
A	22+62.17	19.00 RT
B	22+72.17	19.00 RT
C	22+72.19	14.58 RT
D	22+72.18	12.50 RT
E	22+77.19	12.71 RT
F	22+77.19	14.83 RT
G	22+77.17	19.00 RT
H	22+84.58	14.58 RT
I	22+87.25	19.00 RT
J	22+89.61	24.00 RT

JACKSON (SW QUADRANT)		
POINT	STATION	OFFSET
K	22+87.44	24.00 RT
L	22+84.58	24.00 RT
M	22+77.15	24.00 RT
N	22+77.13	29.02 RT
O	22+76.73	34.02 RT
P	22+72.10	34.00 RT
Q	22+77.13	29.02 RT
R	22+72.15	24.00 RT
S	22+62.17	24.00 RT



**LEGEND**

X (XXX.XX) LOCATION POINT EXISTING ELEVATION

X XXX.XX LOCATION POINT PROPOSED ELEVATION

BC-X (XXX.XX) BACK-OF-CURB POINT EXISTING ELEVATION

BC-X XXX.XX BACK-OF-CURB POINT PROPOSED ELEVATION

PLOT DRIVER = ...  
 PEN TABLE = ...  
 FILE NAME = ...



USER NAME = mjp	DESIGNED - MJP	REVISED -
PLOT SCALE = 5.0000' / 1"	DRAWN - MJP	REVISED -
PLOT DATE = 11/5/2019	CHECKED - DNM	REVISED -
	DATE - 11/06/19	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

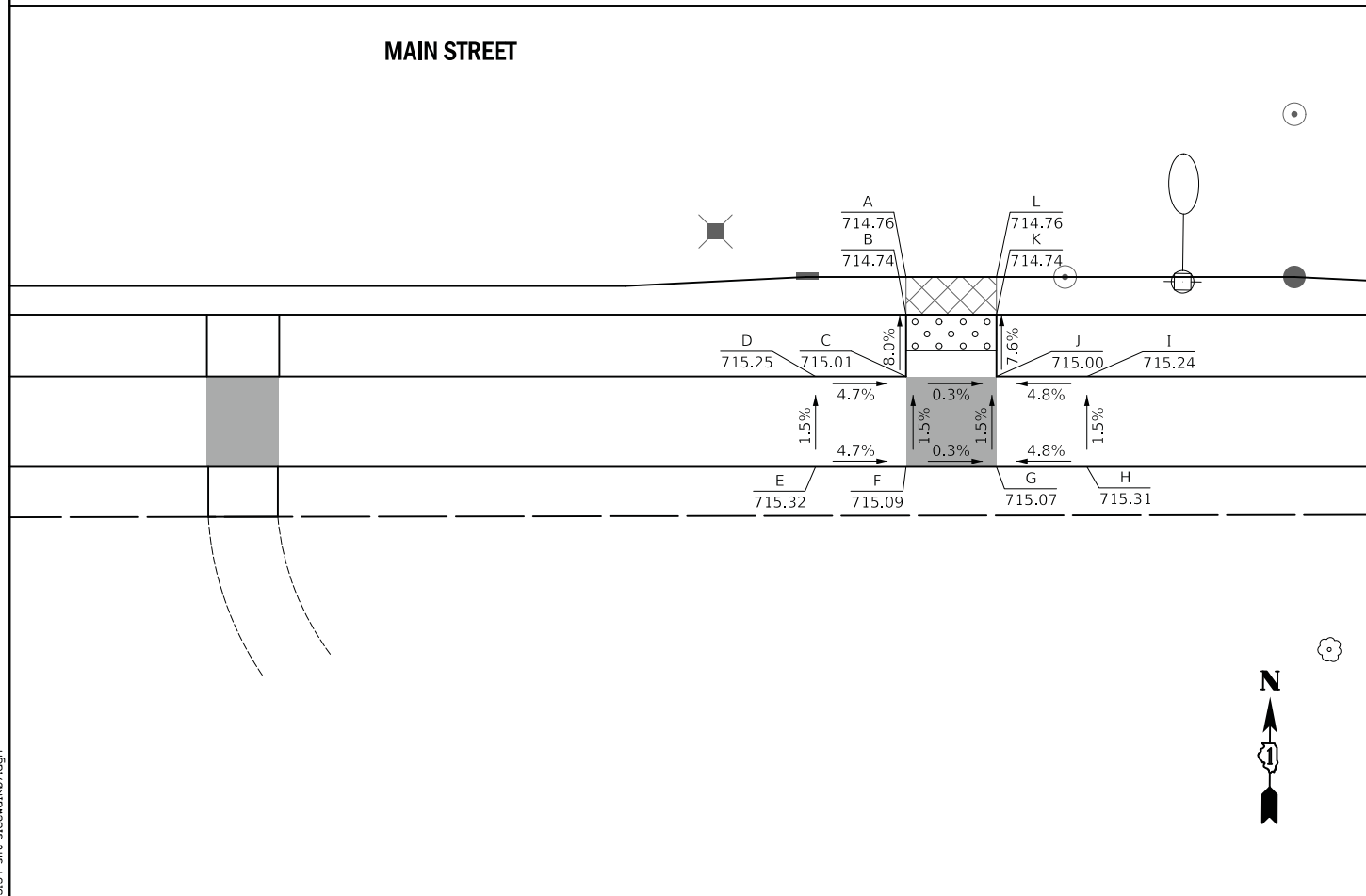
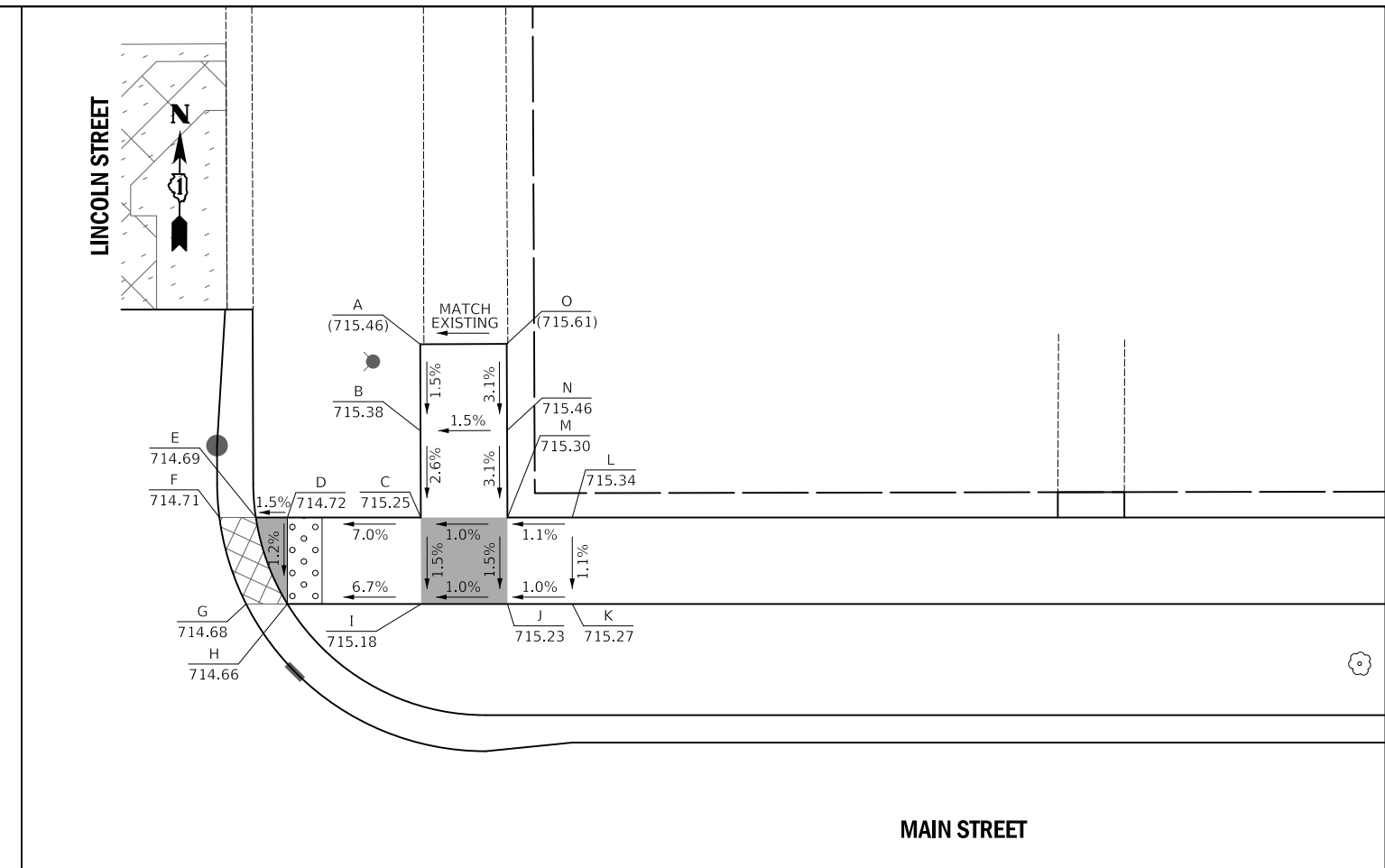
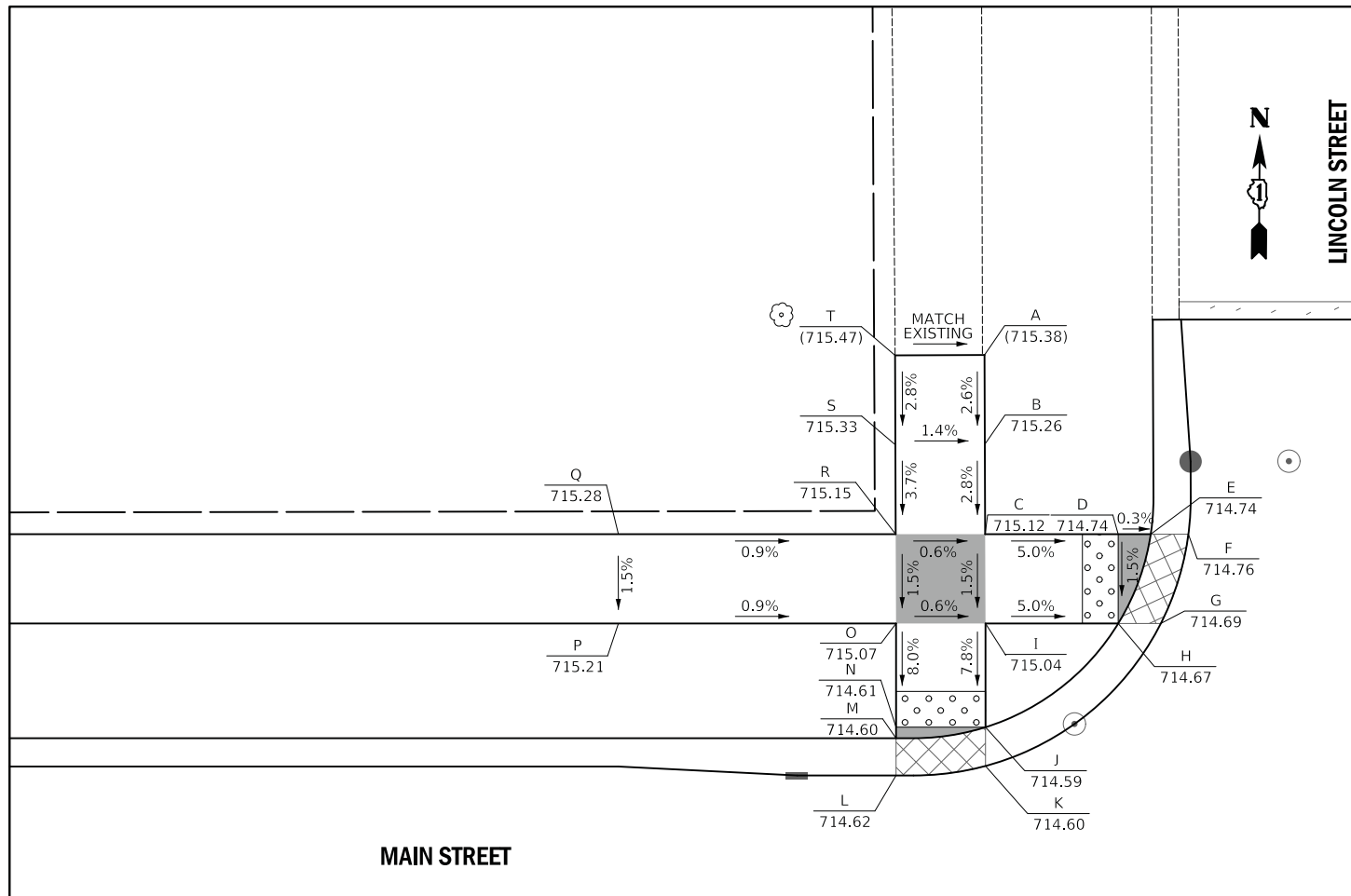
MAIN STREET AND JACKSON STREET  
 SIDEWALK GRADING PLAN

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
524	12-00073-02-FP	KANE	207	107
CONTRACT NO. 61F32				
ILLINOIS		FED. AID PROJECT		







**LEGEND**

- X (XXX.XX) LOCATION POINT EXISTING ELEVATION
- X XXX.XX LOCATION POINT PROPOSED ELEVATION
- BC-X (XXX.XX) BACK-OF-CURB POINT EXISTING ELEVATION
- BC-X XXX.XX BACK-OF-CURB POINT PROPOSED ELEVATION

LINCOLN (NW QUADRANT)			
POINT	STATION	OFFSET	
A	32+05.47	43.02	LT
B	32+05.48	38.02	LT
C	32+05.50	33.00	LT
D	32+12.94	33.00	LT
E	32+14.76	33.00	LT
F	32+16.87	33.00	LT
G	32+15.33	28.00	LT
H	32+12.94	28.00	LT
I	32+05.52	28.00	LT
J	32+05.52	22.20	LT
K	32+05.52	20.03	LT
L	32+00.52	19.50	LT
M	32+00.52	21.58	LT
N	32+00.52	22.20	LT
O	32+00.52	28.00	LT
P	31+85.00	28.00	LT
Q	31+85.00	33.00	LT
R	32+00.50	33.00	LT
S	32+00.48	38.00	LT
T	32+00.47	43.00	LT

LINCOLN (NE QUADRANT)			
POINT	STATION	OFFSET	
A	32+52.72	43.00	LT
B	32+52.74	38.00	LT
C	32+52.75	33.00	LT
D	32+45.05	33.00	LT
E	32+43.23	33.00	LT
F	32+41.13	33.00	LT
G	32+42.67	28.00	LT
H	32+45.05	28.00	LT
I	32+52.77	28.00	LT
J	32+57.75	28.00	LT
K	32+61.50	28.00	LT
L	32+61.50	33.00	LT
M	32+57.75	33.00	LT
N	32+57.74	38.02	LT
O	32+57.72	43.02	LT

LINCOLN (SW QUADRANT)			
POINT	STATION	OFFSET	
A	32+00.52	12.50	RT
B	32+00.52	14.58	RT
C	32+00.52	8.00	RT
D	31+95.52	8.00	RT
E	31+95.52	13.00	RT
F	32+00.52	13.00	RT
G	32+05.52	13.00	RT
H	32+10.52	13.00	RT
I	32+10.52	8.00	RT
J	32+05.52	8.00	RT
K	32+05.52	4.58	RT
L	32+05.52	12.50	RT

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	DRAWN - MJP	REVISED -
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PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

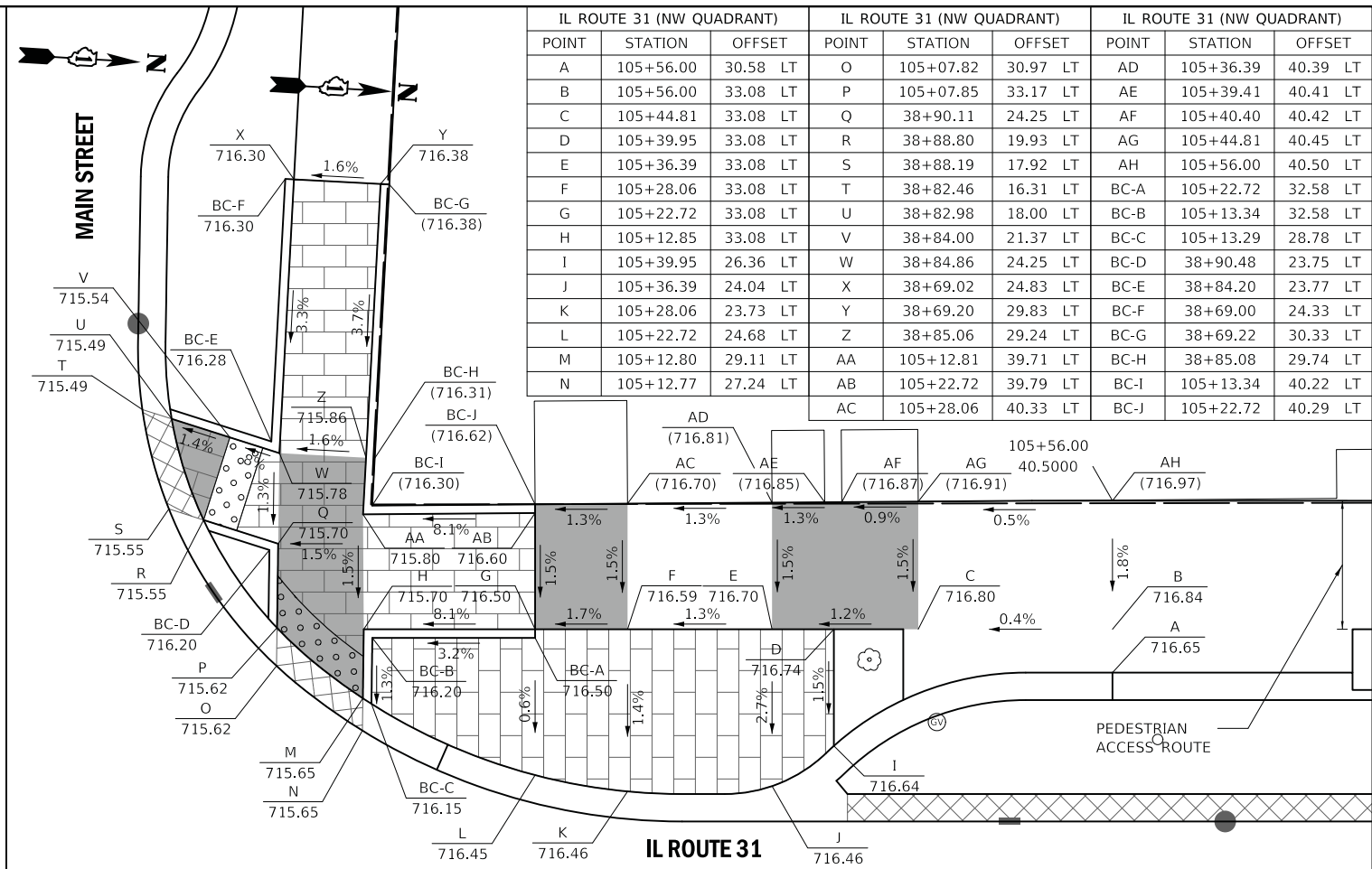
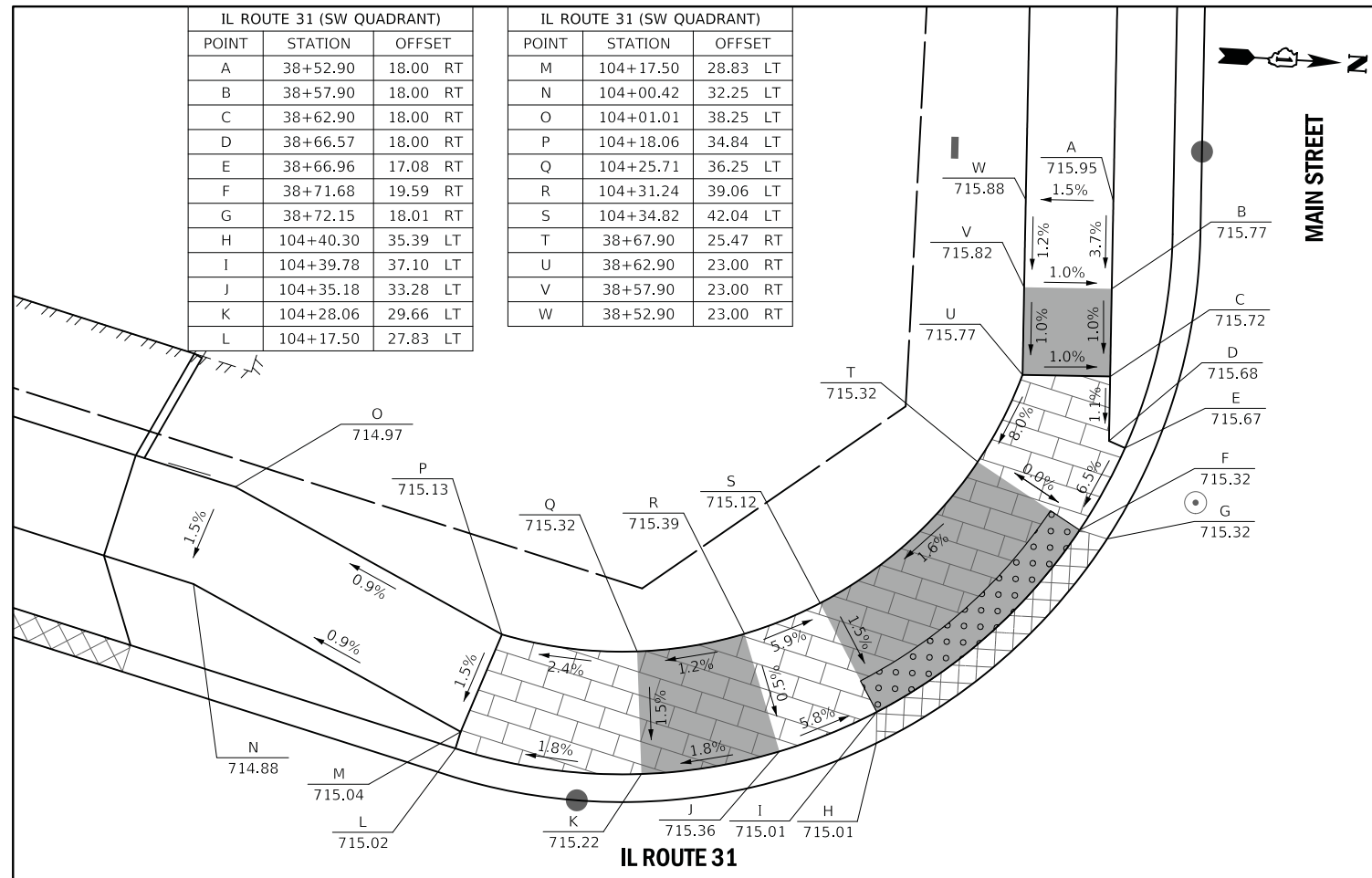
MAIN STREET AND LINCOLN STREET  
SIDEWALK GRADING PLAN

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
524	12-00073-02-FP	KANE	207	109
				CONTRACT NO. 61F32
		ILLINOIS FED. AID PROJECT		

IL ROUTE 31 (SW QUADRANT)		
POINT	STATION	OFFSET
A	38+52.90	18.00 RT
B	38+57.90	18.00 RT
C	38+62.90	18.00 RT
D	38+66.57	18.00 RT
E	38+66.96	17.08 RT
F	38+71.68	19.59 RT
G	38+72.15	18.01 RT
H	104+40.30	35.39 LT
I	104+39.78	37.10 LT
J	104+35.18	33.28 LT
K	104+28.06	29.66 LT
L	104+17.50	27.83 LT

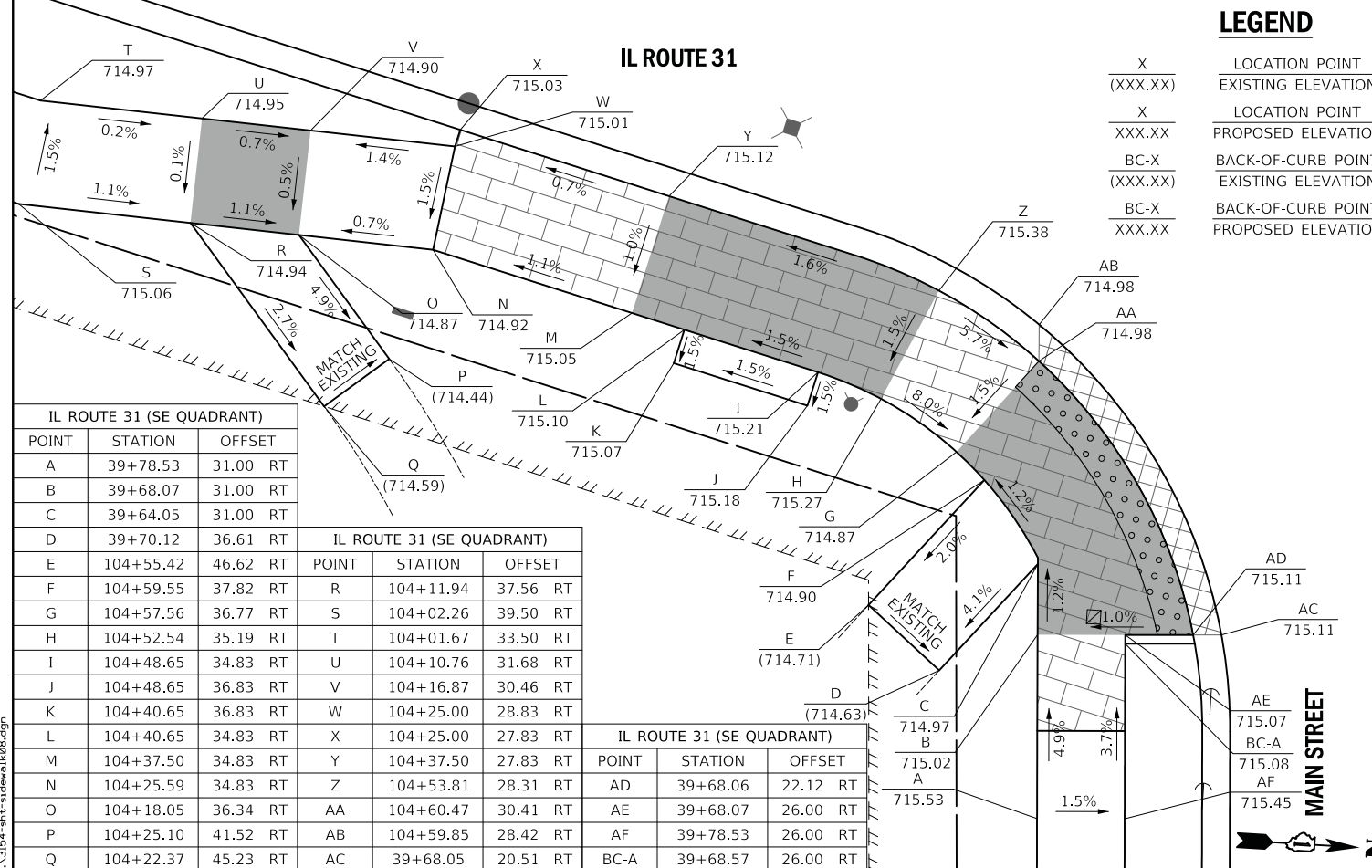
IL ROUTE 31 (SW QUADRANT)		
POINT	STATION	OFFSET
M	104+17.50	28.83 LT
N	104+00.42	32.25 LT
O	104+01.01	38.25 LT
P	104+18.06	34.84 LT
Q	104+25.71	36.25 LT
R	104+31.24	39.06 LT
S	104+34.82	42.04 LT
T	38+67.90	25.47 RT
U	38+62.90	23.00 RT
V	38+57.90	23.00 RT
W	38+52.90	23.00 RT



IL ROUTE 31 (NW QUADRANT)		
POINT	STATION	OFFSET
A	105+56.00	30.58 LT
B	105+56.00	33.08 LT
C	105+44.81	33.08 LT
D	105+39.95	33.08 LT
E	105+36.39	33.08 LT
F	105+28.06	33.08 LT
G	105+22.72	33.08 LT
H	105+12.85	33.08 LT
I	105+39.95	26.36 LT
J	105+36.39	24.04 LT
K	105+28.06	23.73 LT
L	105+22.72	24.68 LT
M	105+12.80	29.11 LT
N	105+12.77	27.24 LT

IL ROUTE 31 (NW QUADRANT)		
POINT	STATION	OFFSET
O	105+07.82	30.97 LT
P	105+07.85	33.17 LT
Q	38+90.11	24.25 LT
R	38+88.80	19.93 LT
S	38+88.19	17.92 LT
T	38+82.46	16.31 LT
U	38+82.98	18.00 LT
V	38+84.00	21.37 LT
W	38+84.86	24.25 LT
X	38+69.02	24.83 LT
Y	38+69.20	29.83 LT
Z	38+85.06	29.24 LT
AA	105+12.81	39.71 LT
AB	105+22.72	39.79 LT
AC	105+28.06	40.33 LT

IL ROUTE 31 (NW QUADRANT)		
POINT	STATION	OFFSET
AD	105+36.39	40.39 LT
AE	105+39.41	40.41 LT
AF	105+40.40	40.42 LT
AG	105+44.81	40.45 LT
AH	105+56.00	40.50 LT
BC-A	105+22.72	32.58 LT
BC-B	105+13.34	32.58 LT
BC-C	105+13.29	28.78 LT
BC-D	38+90.48	23.75 LT
BC-E	38+84.20	23.77 LT
BC-F	38+69.00	24.33 LT
BC-G	38+69.22	30.33 LT
BC-H	38+85.08	29.74 LT
BC-I	105+13.34	40.22 LT
BC-J	105+22.72	40.29 LT



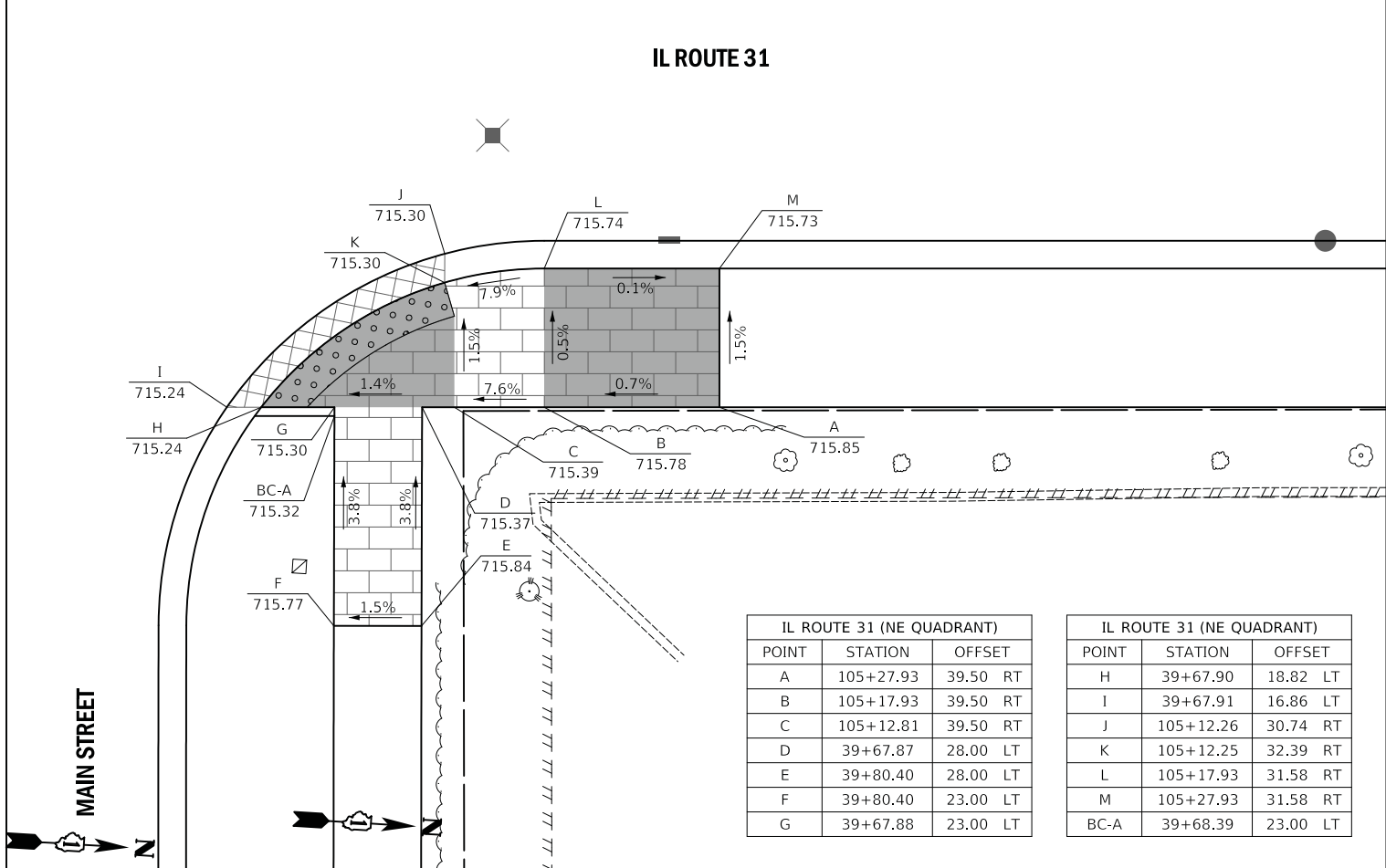
IL ROUTE 31 (SE QUADRANT)		
POINT	STATION	OFFSET
A	39+78.53	31.00 RT
B	39+68.07	31.00 RT
C	39+64.05	31.00 RT
D	39+70.12	36.61 RT
E	104+55.42	46.62 RT
F	104+59.55	37.82 RT
G	104+57.56	36.77 RT
H	104+52.54	35.19 RT
I	104+48.65	34.83 RT
J	104+48.65	36.83 RT
K	104+40.65	36.83 RT
L	104+40.65	34.83 RT
M	104+37.50	34.83 RT
N	104+25.59	34.83 RT
O	104+18.05	36.34 RT
P	104+25.10	41.52 RT
Q	104+22.37	45.23 RT

IL ROUTE 31 (SE QUADRANT)		
POINT	STATION	OFFSET
R	104+11.94	37.56 RT
S	104+02.26	39.50 RT
T	104+01.67	33.50 RT
U	104+10.76	31.68 RT
V	104+16.87	30.46 RT
W	104+25.00	28.83 RT
X	104+25.00	27.83 RT
Y	104+37.50	27.83 RT
Z	104+53.81	28.31 RT
AA	104+60.47	30.41 RT
AB	104+59.85	28.42 RT
AC	39+68.05	20.51 RT

IL ROUTE 31 (SE QUADRANT)		
POINT	STATION	OFFSET
AD	39+68.06	22.12 RT
AE	39+68.07	26.00 RT
AF	39+78.53	26.00 RT
BC-A	39+68.57	26.00 RT

**LEGEND**

X (XXX.XX)	LOCATION POINT EXISTING ELEVATION
X	LOCATION POINT PROPOSED ELEVATION
BC-X (XXX.XX)	BACK-OF-CURB POINT EXISTING ELEVATION
BC-X	BACK-OF-CURB POINT PROPOSED ELEVATION



IL ROUTE 31 (NE QUADRANT)		
POINT	STATION	OFFSET
A	105+27.93	39.50 RT
B	105+17.93	39.50 RT
C	105+12.81	39.50 RT
D	39+67.87	28.00 LT
E	39+80.40	28.00 LT
F	39+80.40	23.00 LT
G	39+67.88	23.00 LT

IL ROUTE 31 (NE QUADRANT)		
POINT	STATION	OFFSET
H	39+67.90	18.82 LT
I	39+67.91	16.86 LT
J	105+12.26	30.74 RT
K	105+12.25	32.39 RT
L	105+17.93	31.58 RT
M	105+27.93	31.58 RT
BC-A	39+68.39	23.00 LT

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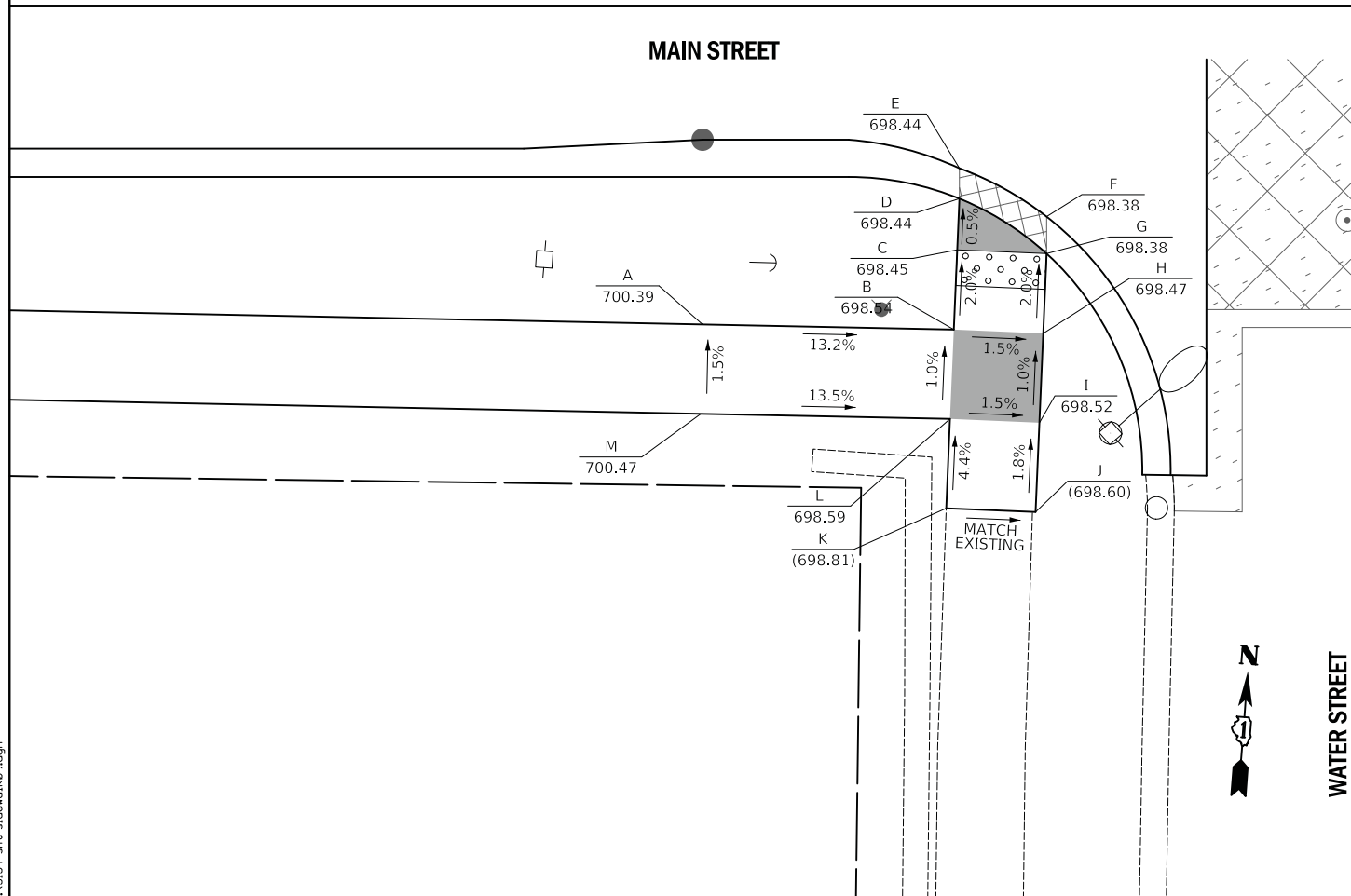
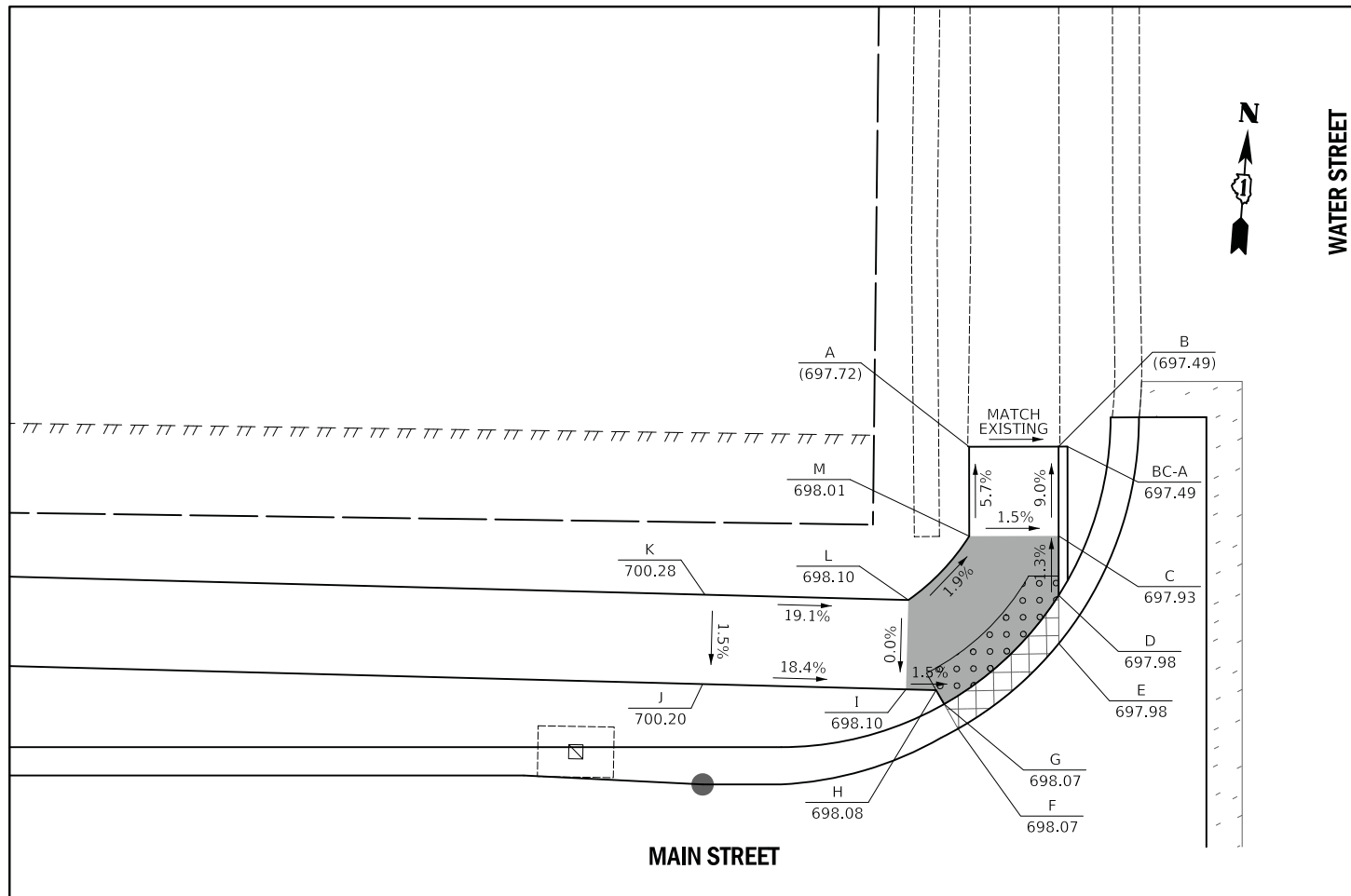
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PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL ROUTE 31 AND MAIN STREET  
SIDEWALK GRADING PLAN

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

F.A.U. RTE. 3887	SECTION 12-00073-02-FP	COUNTY KANE	TOTAL SHEETS 207	SHEET NO. 110
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61F32	



- LEGEND**
- X (XXX.XX) LOCATION POINT EXISTING ELEVATION
  - X XXX.XX LOCATION POINT PROPOSED ELEVATION
  - BC-X (XXX.XX) BACK-OF-CURB POINT EXISTING ELEVATION
  - BC-X XXX.XX BACK-OF-CURB POINT PROPOSED ELEVATION

WATER (NW QUADRANT)			
POINT	STATION	OFFSET	
A	43+14.90	31.39	LT
B	43+19.90	31.40	LT
C	43+20.40	31.40	LT
D	43+19.90	26.40	LT
E	43+19.91	23.08	LT
F	43+19.91	20.38	LT
G	43+14.28	15.62	LT
H	43+13.05	17.78	LT
I	43+11.37	17.82	LT
J	43+00.00	18.11	LT
K	43+00.13	23.11	LT
L	43+11.50	22.82	LT
M	43+14.90	26.39	LT
BC-A	43+20.40	31.40	LT

WATER (SW QUADRANT)		
POINT	STATION	OFFSET
A	43+00.00	29.83 RT
B	43+14.05	30.12 RT
C	43+14.24	25.66 RT
D	43+14.36	22.80 RT
E	43+14.36	21.10 RT
F	43+19.23	23.80 RT
G	43+19.23	25.87 RT
H	43+19.04	30.33 RT
I	43+18.83	35.33 RT
J	43+18.61	40.33 RT
K	43+13.62	40.11 RT
L	43+13.83	35.12 RT
M	42+99.90	34.83 RT

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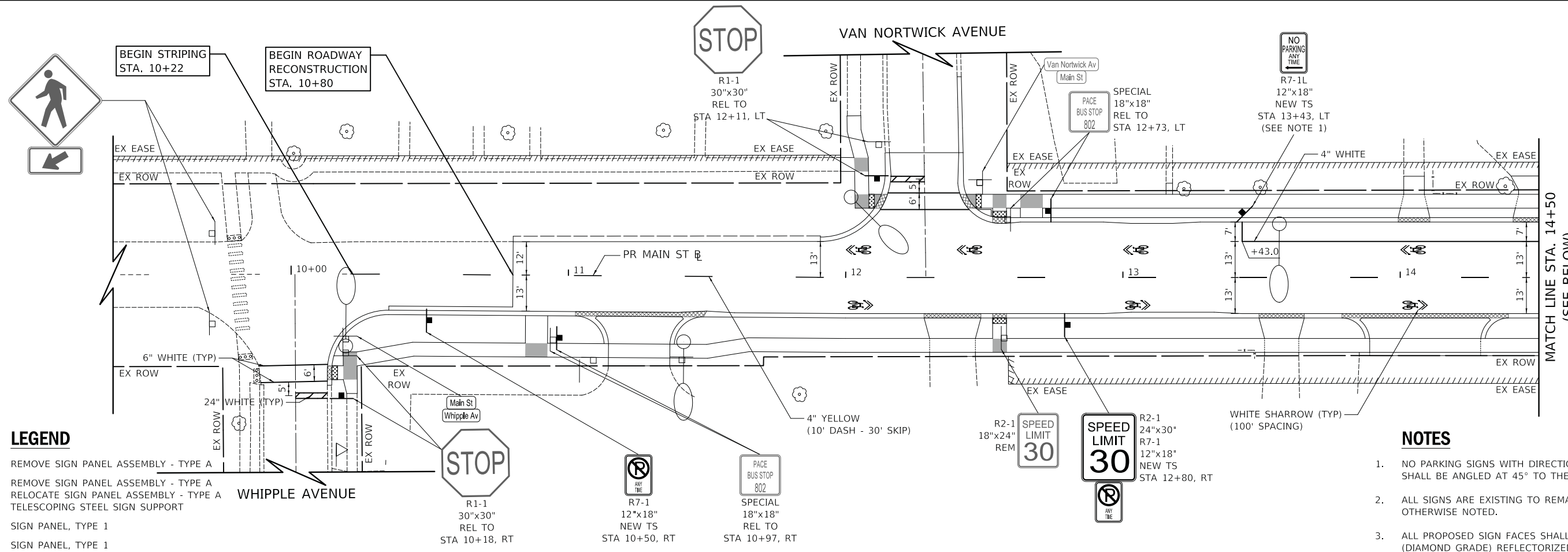
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	DATE - 11/06/19	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MAIN STREET AND WATER STREET  
SIDEWALK GRADING PLAN

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1442	12-00073-02-FP	KANE	207	111
CONTRACT NO. 61F32				
ILLINOIS FED. AID PROJECT				



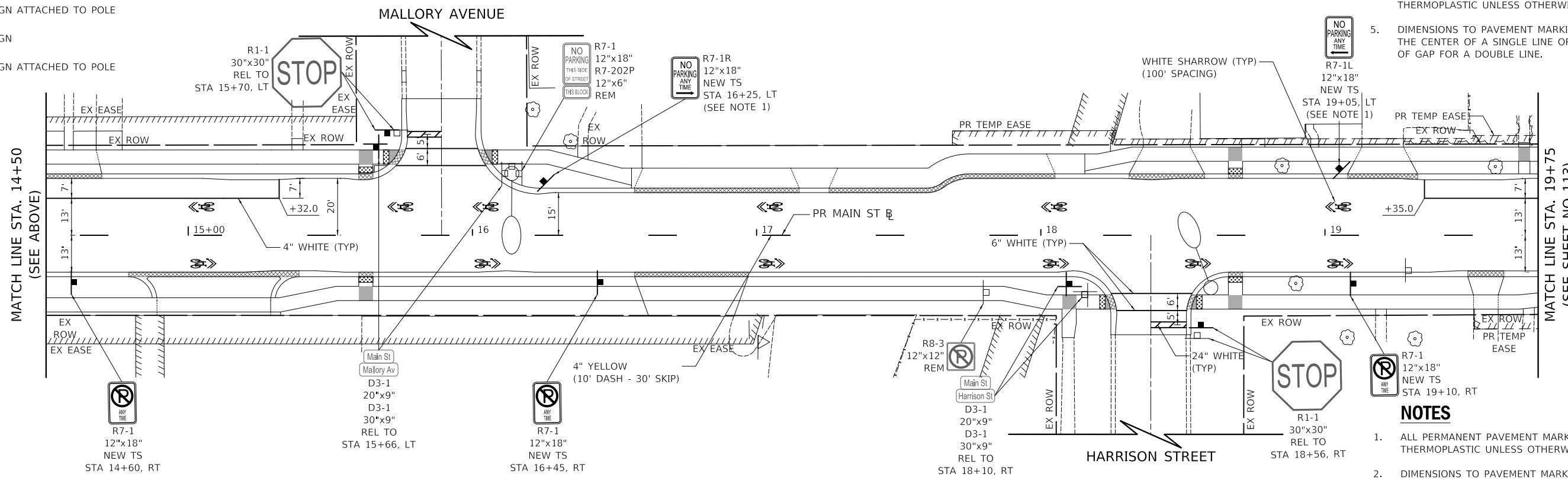
**LEGEND**

- REM REMOVE SIGN PANEL ASSEMBLY - TYPE A
- REL REMOVE SIGN PANEL ASSEMBLY - TYPE A  
RELOCATE SIGN PANEL ASSEMBLY - TYPE A  
TELESCOPING STEEL SIGN SUPPORT
- NEW SIGN PANEL, TYPE 1
- NEW TS SIGN PANEL, TYPE 1  
TELESCOPING STEEL SIGN SUPPORT

- EX SIGN
- EX SIGN ATTACHED TO POLE
- PR SIGN
- PR SIGN ATTACHED TO POLE

**NOTES**

1. NO PARKING SIGNS WITH DIRECTIONAL ARROW SHALL BE ANGLED AT 45° TO THE ROADWAY.
2. ALL SIGNS ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED.
3. ALL PROPOSED SIGN FACES SHALL BE TYPE AZ (DIAMOND GRADE) REFLECTORIZED SHEETING. THIS WORK SHALL BE PAID FOR AS "SIGN PANEL" OF THE TYPE SPECIFIED.
4. ALL PERMANENT PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED.
5. DIMENSIONS TO PAVEMENT MARKINGS ARE TO THE CENTER OF A SINGLE LINE OR THE CENTER OF GAP FOR A DOUBLE LINE.



**NOTES**

1. ALL PERMANENT PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED.
2. DIMENSIONS TO PAVEMENT MARKINGS ARE TO THE CENTER OF A SINGLE LINE OR THE CENTER OF GAP FOR A DOUBLE LINE.

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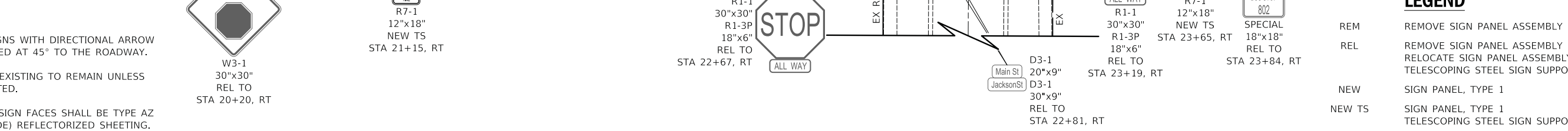
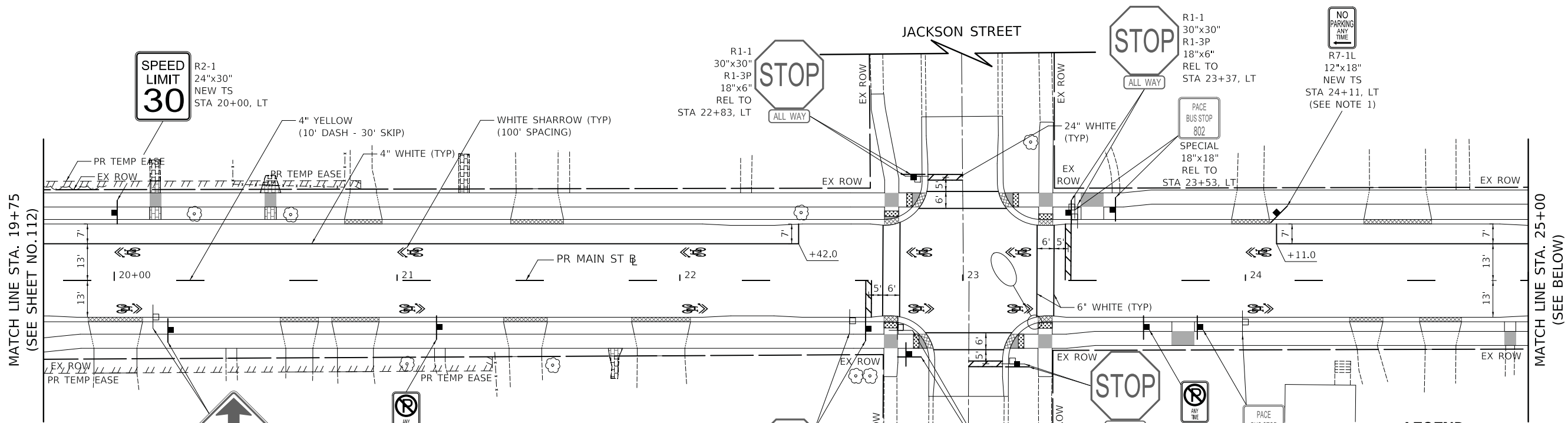
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PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAIN STREET  
PAVEMENT MARKING AND SIGNING PLAN**

SCALE: 1" = 20'    SHEET    OF    SHEETS    STA. 10+80    TO STA. 19+75

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
524	12-00073-02-FP	KANE	207	112
CONTRACT NO. 61F32			ILLINOIS FED. AID PROJECT	



**NOTES**

1. NO PARKING SIGNS WITH DIRECTIONAL ARROW SHALL BE ANGLED AT 45° TO THE ROADWAY.
2. ALL SIGNS ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED.
3. ALL PROPOSED SIGN FACES SHALL BE TYPE AZ (DIAMOND GRADE) REFLECTORIZED SHEETING. THIS WORK SHALL BE PAID FOR AS "SIGN PANEL" OF THE TYPE SPECIFIED.
4. ALL PERMANENT PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED.
5. DIMENSIONS TO PAVEMENT MARKINGS ARE TO THE CENTER OF A SINGLE LINE OR THE CENTER OF GAP FOR A DOUBLE LINE.

**LEGEND**

- |        |  |
|--------|--|
| REM    | REMOVE SIGN PANEL ASSEMBLY - TYPE A  |
| REL    | REMOVE SIGN PANEL ASSEMBLY - TYPE A<br>RELOCATE SIGN PANEL ASSEMBLY - TYPE A<br>TELESCOPING STEEL SIGN SUPPORT |
| NEW    | SIGN PANEL, TYPE 1   |
| NEW TS | SIGN PANEL, TYPE 1<br>TELESCOPING STEEL SIGN SUPPORT   |
|        | EX SIGN  |
|        | EX SIGN ATTACHED TO POLE   |
|        | PR SIGN  |
|        | PR SIGN ATTACHED TO POLE   |

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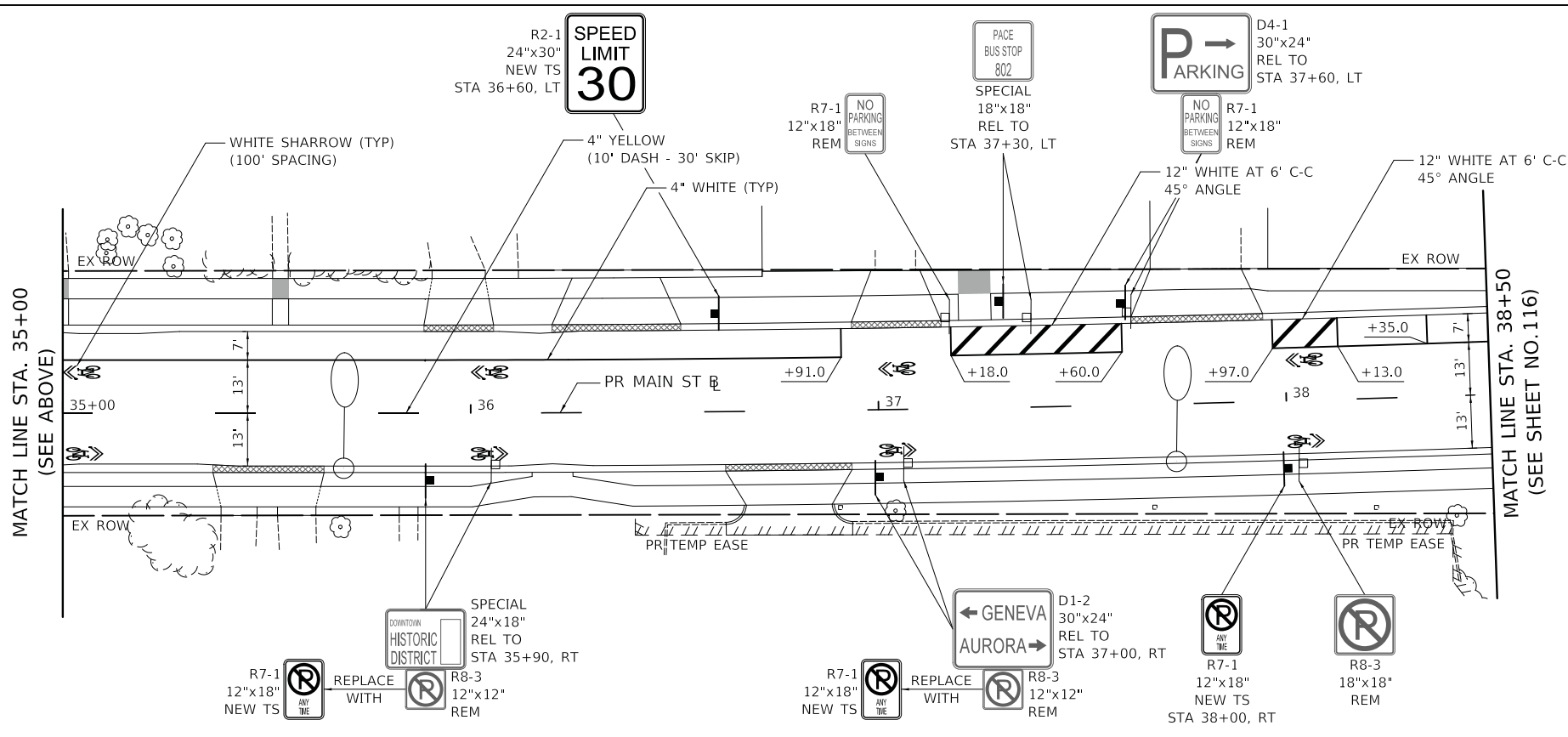
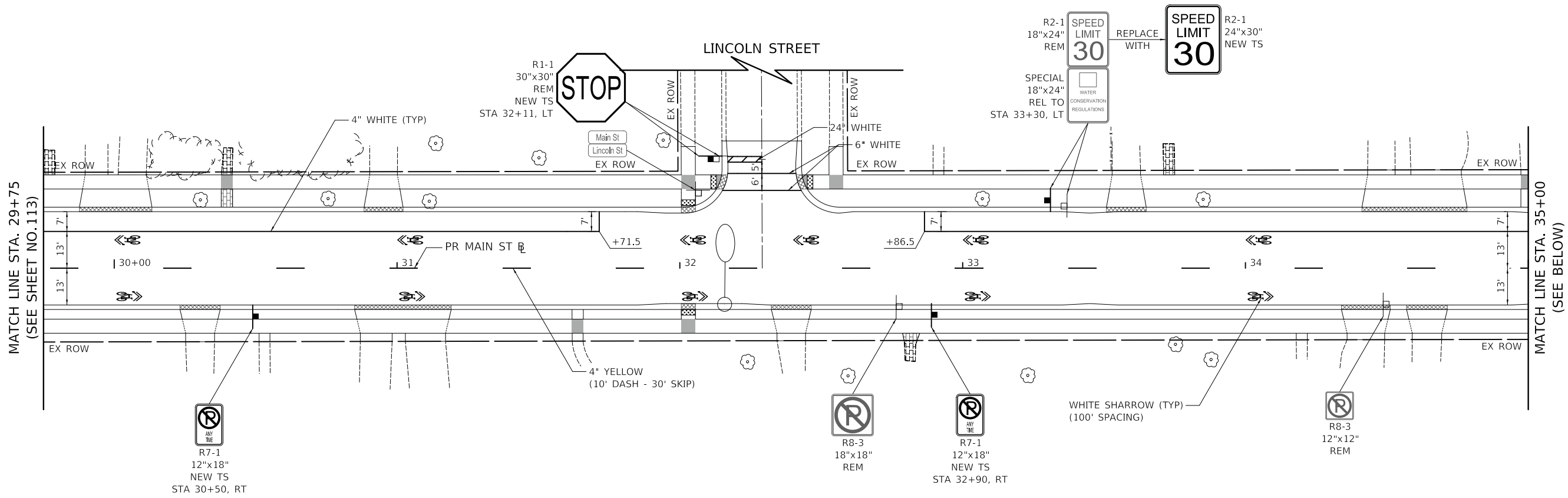


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PLOT SCALE = 20.0000' / in.	CHECKED - DNM	REVISED -
PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>MAIN STREET PAVEMENT MARKING AND SIGNING PLAN</b>	
SCALE: 1" = 20'	SHEET OF SHEETS
STA. 19+75	TO STA. 29+75

F.A.P. RTE. 524	SECTION 12-00073-02-FP	COUNTY KANE	TOTAL SHEETS 207	SHEET NO. 113
CONTRACT NO. 61F32			ILLINOIS FED. AID PROJECT	



**NOTES**

1. NO PARKING SIGNS WITH DIRECTIONAL ARROW SHALL BE ANGLED AT 45° TO THE ROADWAY.
2. ALL SIGNS ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED.
3. ALL PROPOSED SIGN FACES SHALL BE TYPE AZ (DIAMOND GRADE) REFLECTORIZED SHEETING. THIS WORK SHALL BE PAID FOR AS "SIGN PANEL" OF THE TYPE SPECIFIED.
4. ALL PERMANENT PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED.
5. DIMENSIONS TO PAVEMENT MARKINGS ARE TO THE CENTER OF A SINGLE LINE OR THE CENTER OF GAP FOR A DOUBLE LINE.

**LEGEND**

- REM REMOVE SIGN PANEL ASSEMBLY - TYPE A
- REL REMOVE SIGN PANEL ASSEMBLY - TYPE A RELOCATE SIGN PANEL ASSEMBLY - TYPE A TELESCOPING STEEL SIGN SUPPORT
- NEW SIGN PANEL, TYPE 1
- NEW TS SIGN PANEL, TYPE 1 TELESCOPING STEEL SIGN SUPPORT
- EX SIGN
- EX SIGN ATTACHED TO POLE
- PR SIGN
- PR SIGN ATTACHED TO POLE

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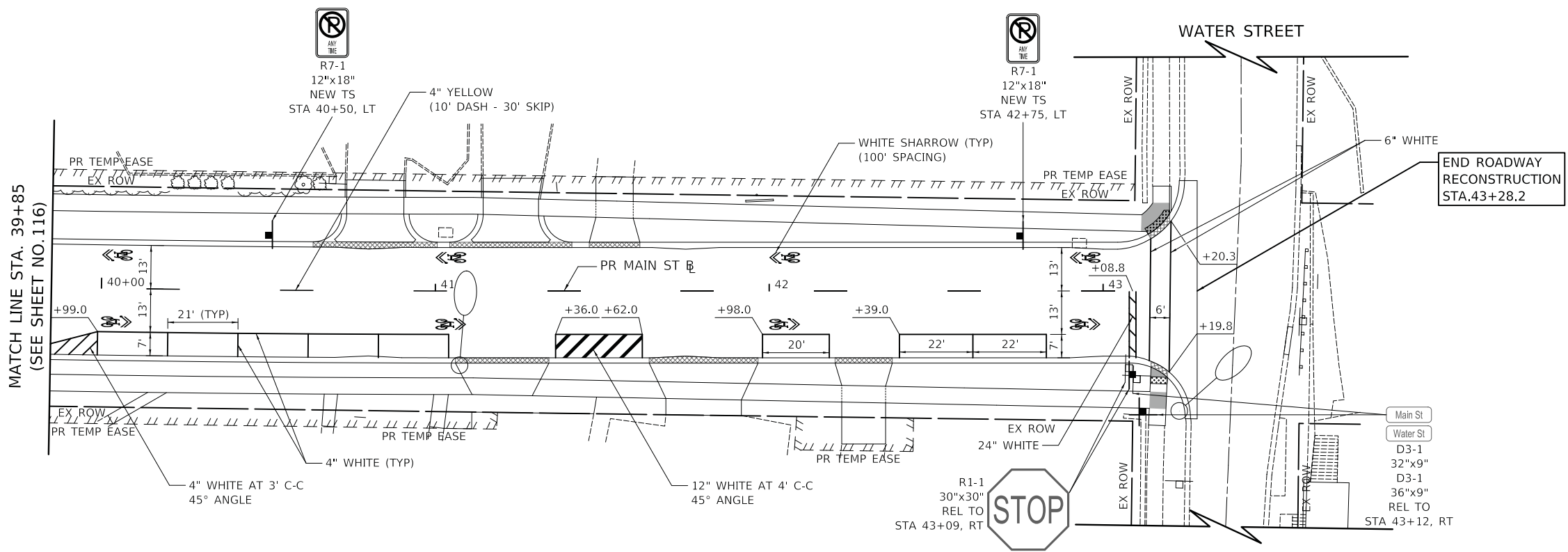
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PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**MAIN STREET**  
**PAVEMENT MARKING AND SIGNING PLAN**

SCALE: 1" = 20'    SHEET    OF    SHEETS    STA. 29+75    TO STA. 38+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
524	12-00073-02-FP	KANE	207	114
				CONTRACT NO. 61F32
ILLINOIS FED. AID PROJECT				



**LEGEND**

- REM REMOVE SIGN PANEL ASSEMBLY - TYPE A
- REL REMOVE SIGN PANEL ASSEMBLY - TYPE A  
RELOCATE SIGN PANEL ASSEMBLY - TYPE A  
TELESCOPING STEEL SIGN SUPPORT
- NEW SIGN PANEL, TYPE 1
- NEW TS SIGN PANEL, TYPE 1  
TELESCOPING STEEL SIGN SUPPORT
- EX SIGN
- EX SIGN ATTACHED TO POLE
- PR SIGN
- PR SIGN ATTACHED TO POLE

**NOTES**

1. NO PARKING SIGNS WITH DIRECTIONAL ARROW SHALL BE ANGLED AT 45° TO THE ROADWAY.
2. ALL SIGNS ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED.
3. ALL PROPOSED SIGN FACES SHALL BE TYPE AZ (DIAMOND GRADE) REFLECTORIZED SHEETING. THIS WORK SHALL BE PAID FOR AS "SIGN PANEL" OF THE TYPE SPECIFIED.
4. ALL PERMANENT PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED.
5. DIMENSIONS TO PAVEMENT MARKINGS ARE TO THE CENTER OF A SINGLE LINE OR THE CENTER OF GAP FOR A DOUBLE LINE.

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	DRAWN - MJP	REVISED -
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PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>MAIN STREET</b> <b>PAVEMENT MARKING AND SIGNING PLAN</b>			
SCALE: 1" = 20'	SHEET	OF	SHEETS
	STA. 39+85		TO STA. 43+28.2

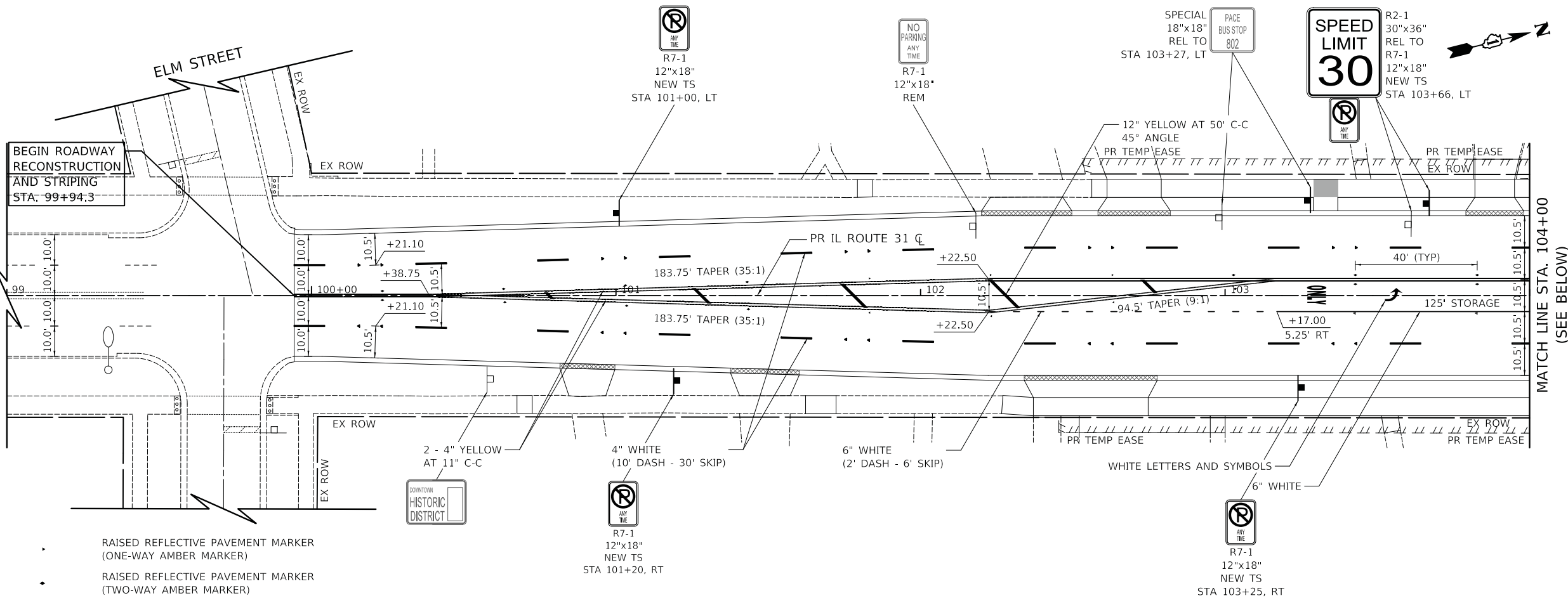
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1442	12-00073-02-FP	KANE	207	115
CONTRACT NO. 61F32				
ILLINOIS		FED. AID PROJECT		

**NOTES**

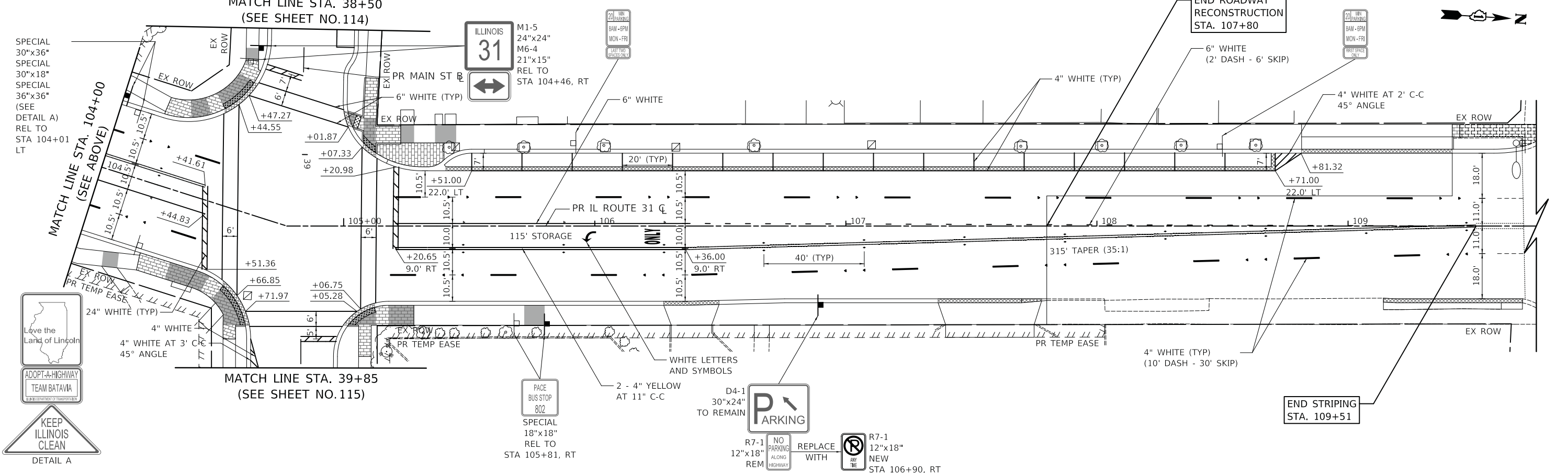
1. NO PARKING SIGNS WITH DIRECTIONAL ARROW SHALL BE ANGLED AT 45° TO THE ROADWAY.
2. ALL SIGNS ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED.
3. ALL PROPOSED SIGN FACES SHALL BE TYPE AZ (DIAMOND GRADE) REFLECTORIZED SHEETING. THIS WORK SHALL BE PAID FOR AS "SIGN PANEL" OF THE TYPE SPECIFIED.
4. ALL PERMANENT PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED.
5. DIMENSIONS TO PAVEMENT MARKINGS ARE TO THE CENTER OF A SINGLE LINE OR THE CENTER OF GAP FOR A DOUBLE LINE.

**LEGEND**

- REM REMOVE SIGN PANEL ASSEMBLY - TYPE A
- REL REMOVE SIGN PANEL ASSEMBLY - TYPE A
- REL RELOCATE SIGN PANEL ASSEMBLY - TYPE A
- TELESCOPING STEEL SIGN SUPPORT
- NEW SIGN PANEL, TYPE 1
- NEW TS SIGN PANEL, TYPE 1
- TELESCOPING STEEL SIGN SUPPORT
- EX SIGN
- EX SIGN ATTACHED TO POLE
- PR SIGN
- PR SIGN ATTACHED TO POLE
- RAISED REFLECTIVE PAVEMENT MARKER (ONE-WAY AMBER MARKER)
- RAISED REFLECTIVE PAVEMENT MARKER (ONE-WAY CRYSTAL MARKER)
- RAISED REFLECTIVE PAVEMENT MARKER (TWO-WAY AMBER MARKER)



**MAIN STREET  
MATCH LINE STA. 38+50  
(SEE SHEET NO. 114)**



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	DRAWN - MJP	REVISED -
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PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 31 (BATAVIA AVENUE)  
PAVEMENT MARKING AND SIGNING PLAN**

SCALE: 1" = 20'    SHEET    OF    SHEETS    STA. 99+94.3    TO STA. 107+80

F.A.U. RTE. 3887	SECTION 12-00073-02-FP	COUNTY KANE	TOTAL SHEETS 207	SHEET NO. 116
CONTRACT NO. 61F32			ILLINOIS FED. AID PROJECT	



# TRAFFIC SIGNAL LEGEND

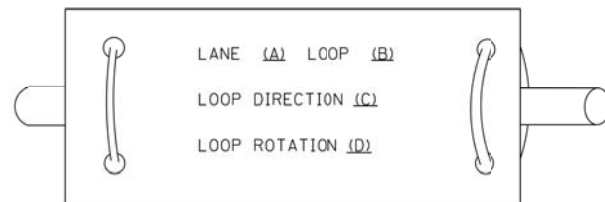
(NOT TO SCALE)

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								

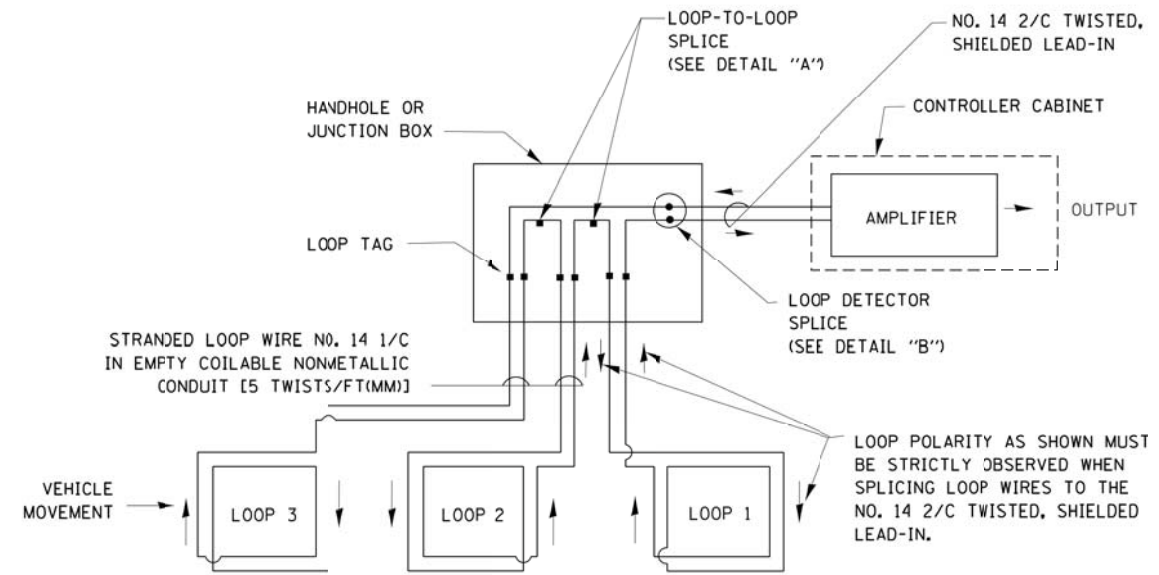
**LOOP DETECTOR NOTES**

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 DIVEHOLES 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**

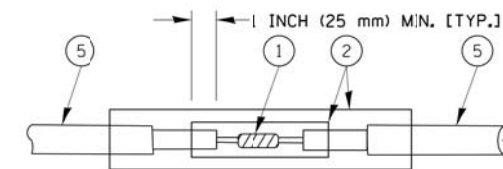


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

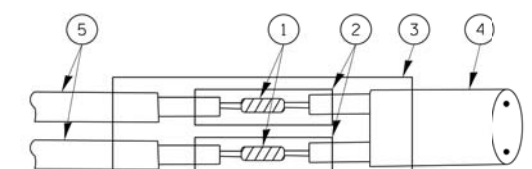


**DETECTOR LOOP WIRING SCHEMATIC**

- 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.

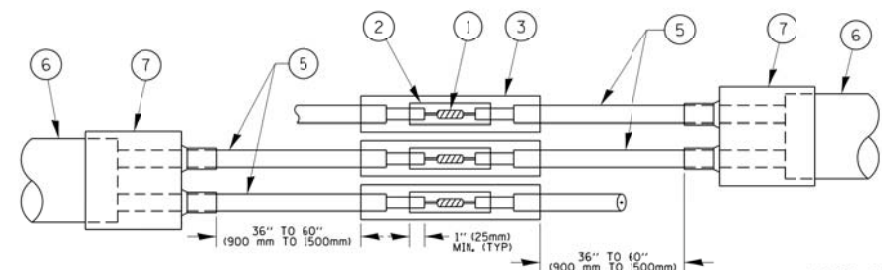


DETAIL "A"  
LOOP-TO-LOOP SPLICE

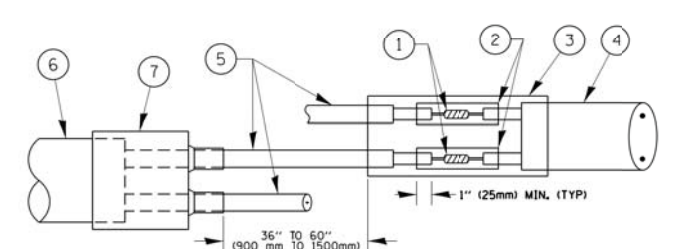


DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**TYPE I LOOP**



DETAIL "A"  
LOOP-TO-LOOP SPLICE



DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

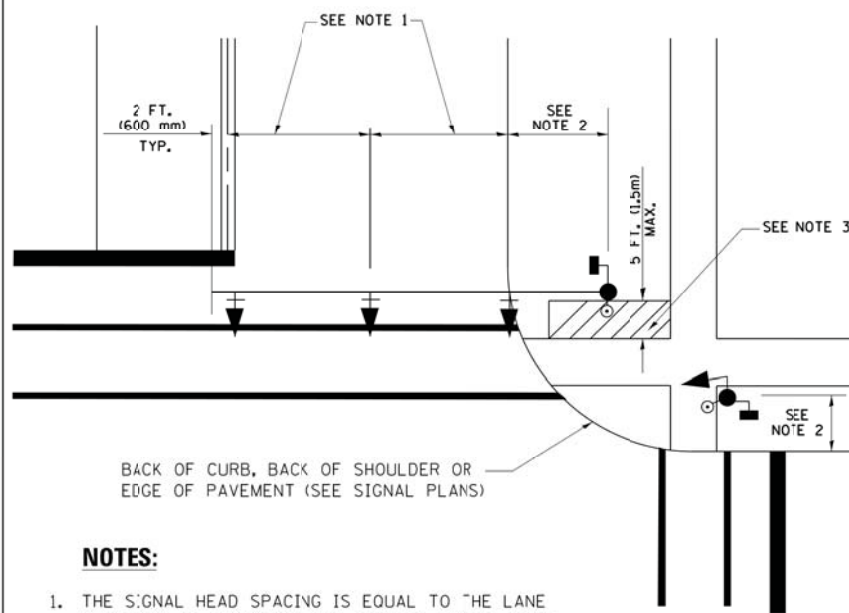
**PREFORMED LOOP**

**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.
- 6 PREFORMED LOOP
- 7 XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>		F.A.U. RTE. 3887	SECTION 12-00073-02-FP	COUNTY KANE	TOTAL SHEETS 207	SHEET NO. 118	
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	PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS/FED. AID PROJECT							

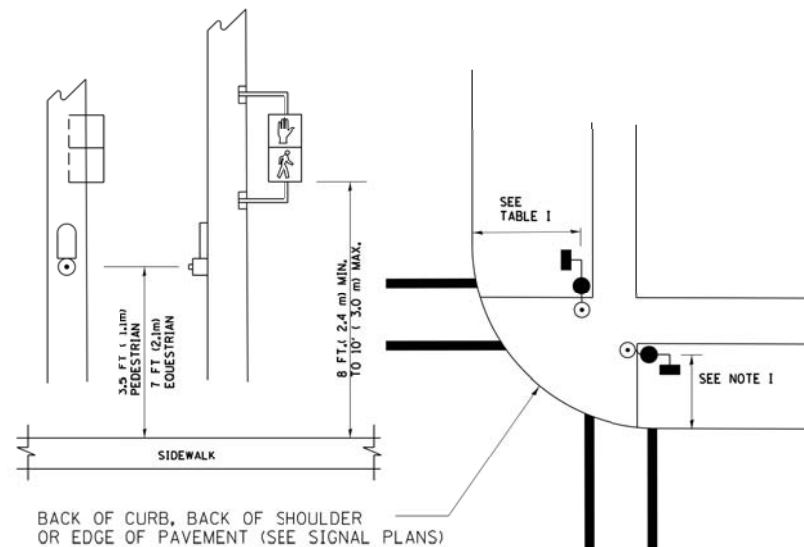
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST  
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR  
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN  
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



**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."

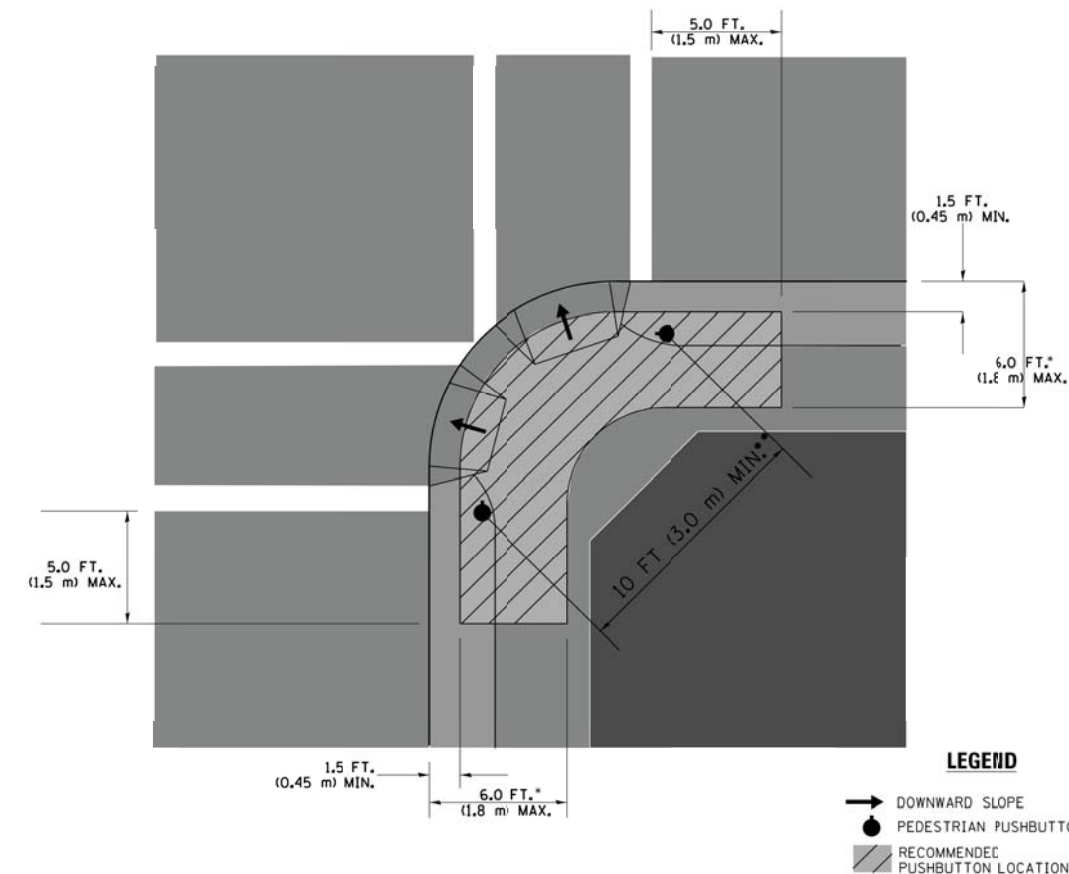
**PEDESTRIAN SIGNAL POST  
AND  
PEDESTRIAN PUSH BUTTON POST**



**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) SEPARATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

**NOTES:**

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

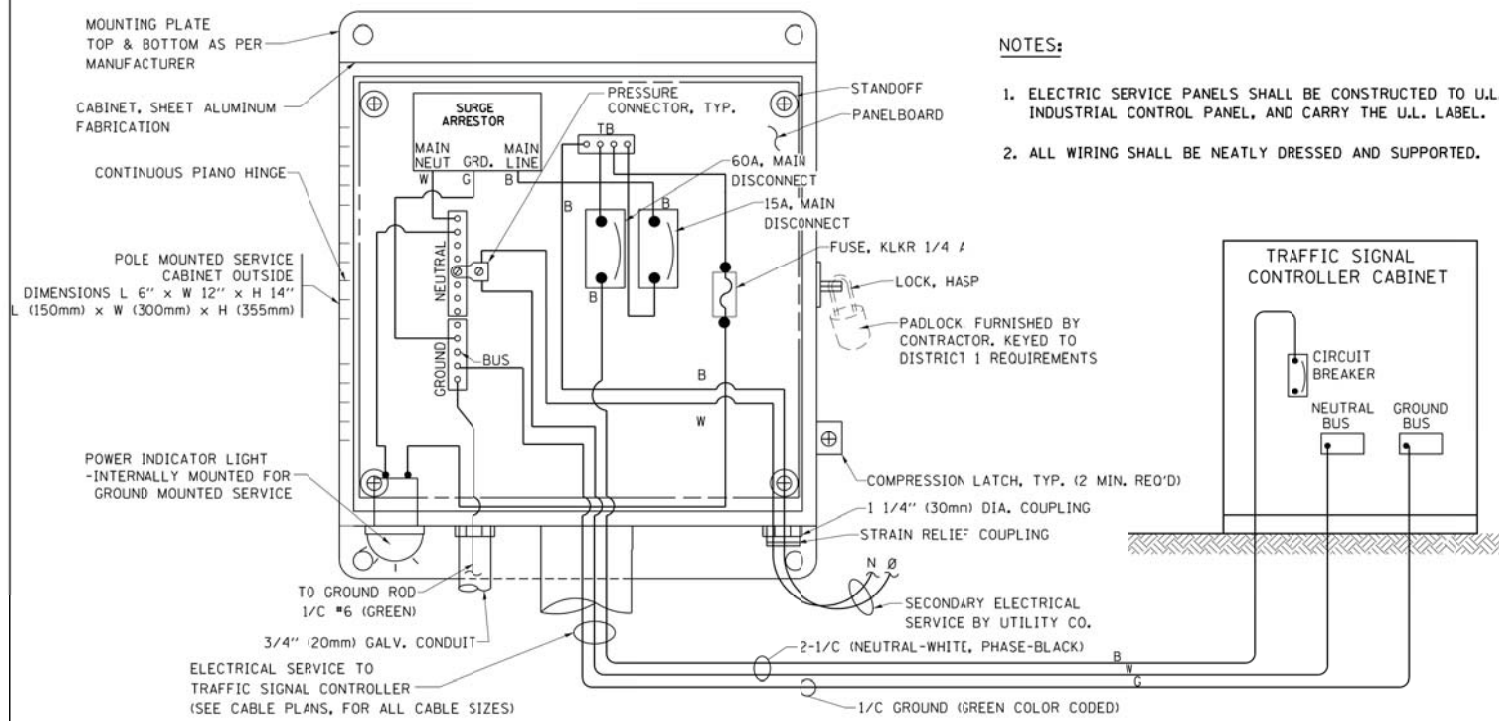
**TRAFFIC SIGNAL EQUIPMENT OFFSET**

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

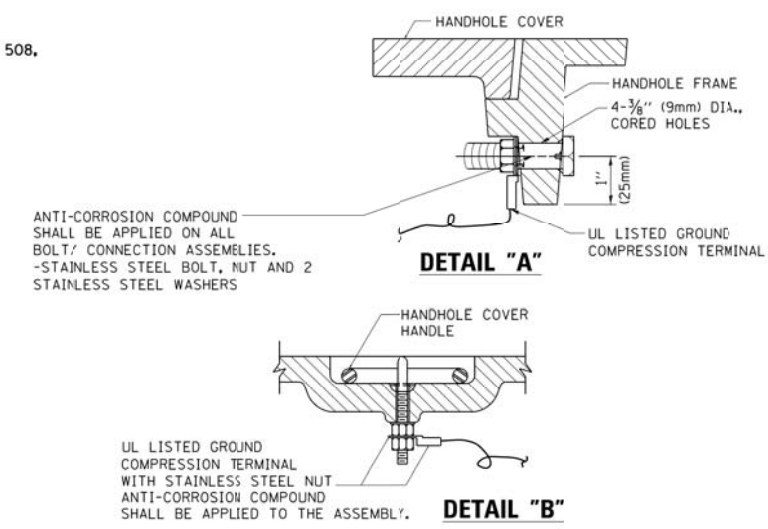
**NOTES:**

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

FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pw\work\p\dot\footemj\d0108315\ts05.dgn		DRAWN - BCK	REVISED -			3887	12-00073-02-FP	KANE	207	119
PLOT SCALE = 50.0000' / 1"		CHECKED - DAD	REVISED -			<b>TS-05</b>		<b>CONTRACT NO. 61F32</b>		
PLOT DATE = 1/13/2014		DATE - 10-28-09	REVISED -			SCALE: NONE	SHEET NO. 3 OF 7 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

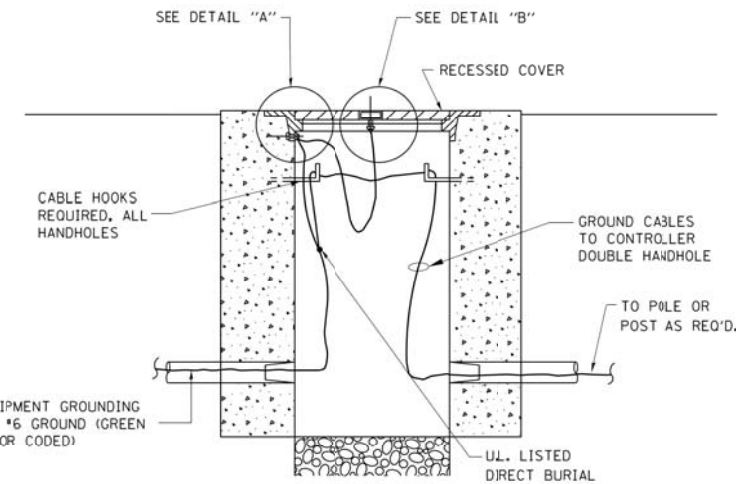


**ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)  
SERVICE INSTALLATION POLE MOUNT (SHOWN)  
(NOT TO SCALE)**

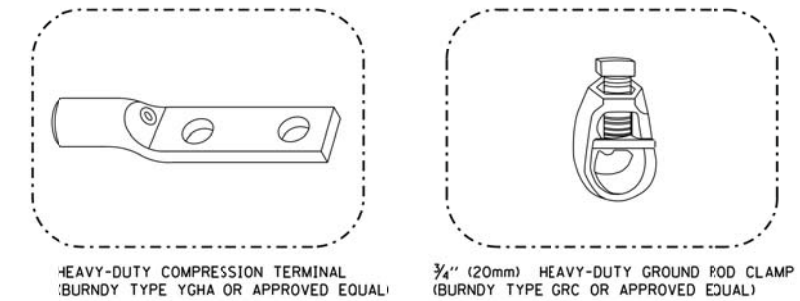


**NOTES:  
GROUNDING SYSTEM**

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

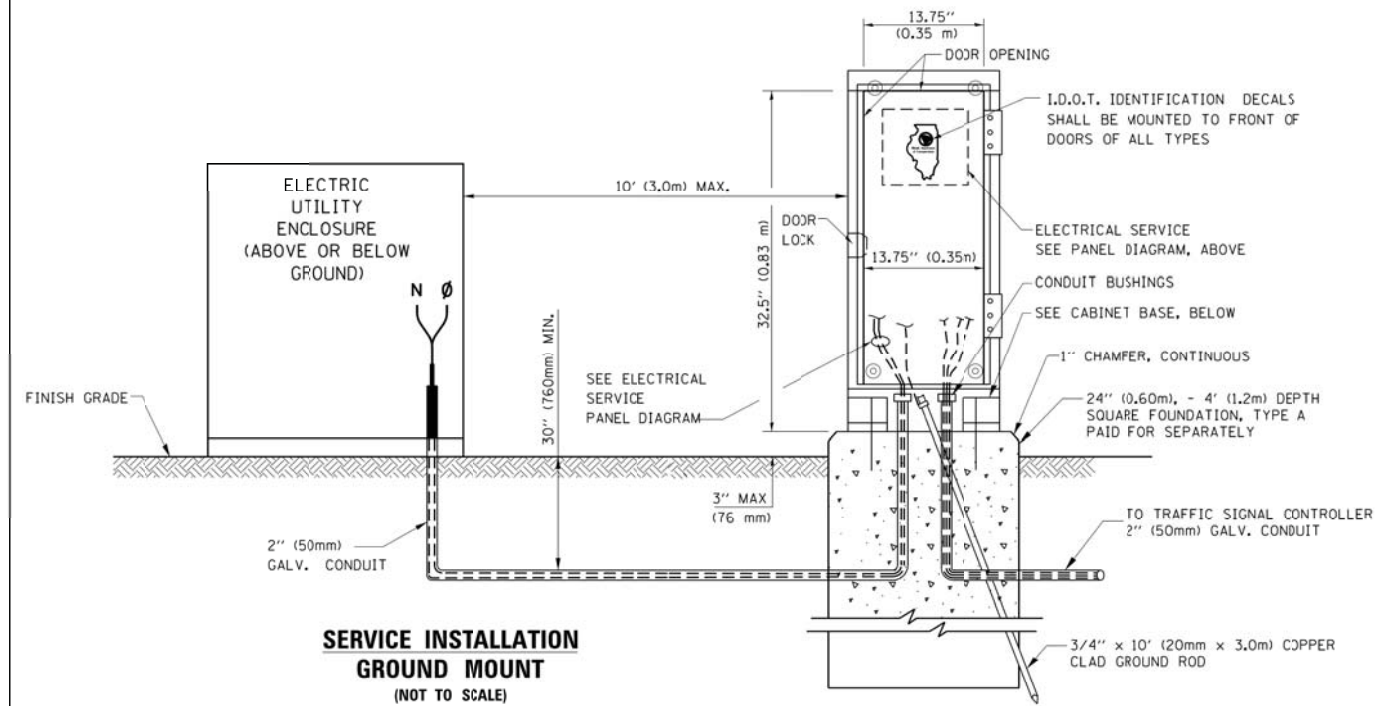


**HANDHOLE COVER & FRAME – GROUNDING DETAIL  
(NOT TO SCALE)**

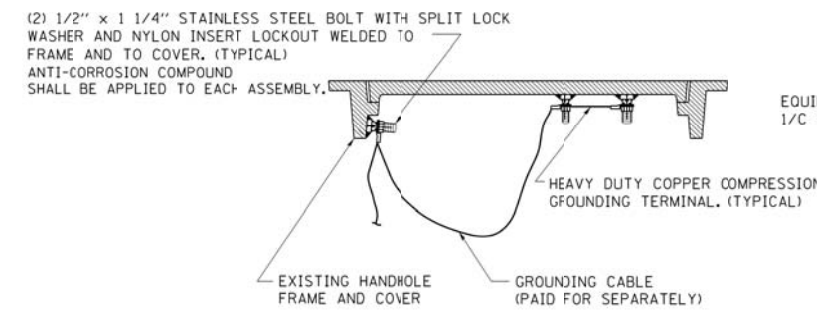


**NOTES:**

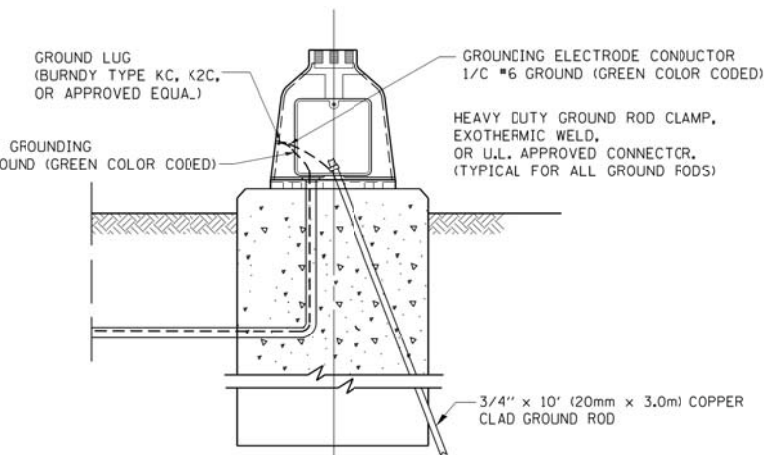
- ALL CLAMPS SHALL BE BRONZE OR COPPER, U.L. APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES. 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES. 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



**SERVICE INSTALLATION  
GROUND MOUNT  
(NOT TO SCALE)**

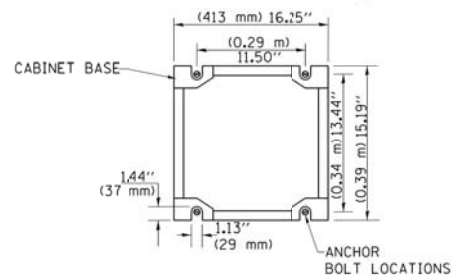


**EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL  
(NOT TO SCALE)**



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

**CABINET – BASE BOLT PATTERN  
(NOT TO SCALE)**

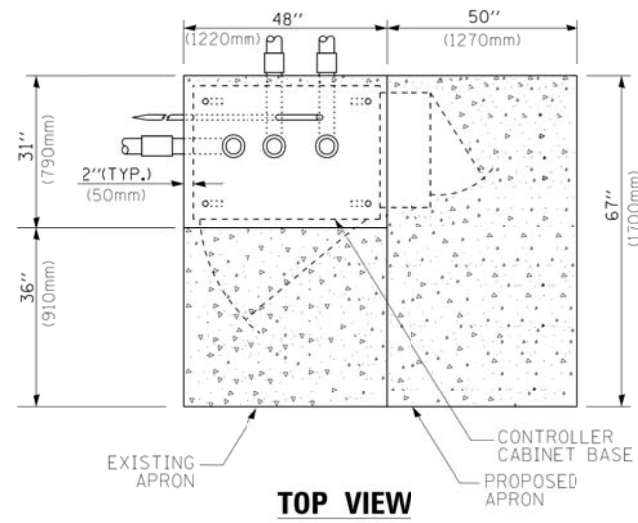


FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14
ca:\pw\work\p1dot\footemj\d0108315\ts05.dgn		DRAWN - BCK	REVISED -
		CHECKED - DAD	REVISED -
		DATE - 10-28-09	REVISED -

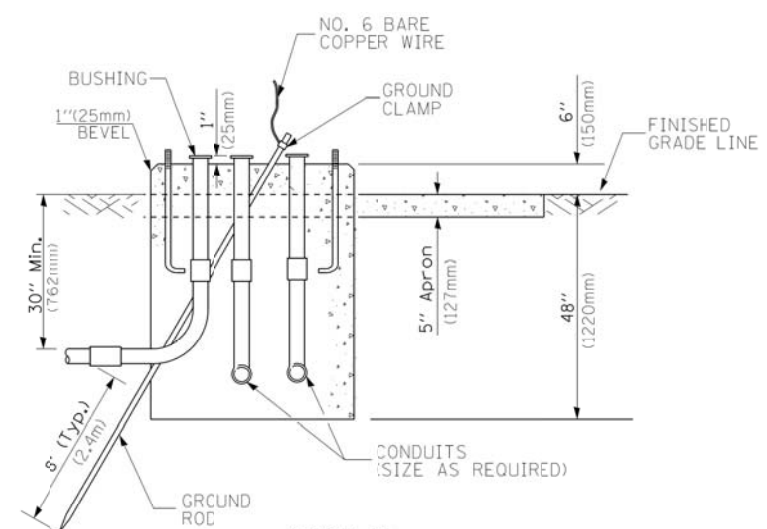
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DISTRICT ONE</b>	
<b>STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>	
SCALE: NONE	SHEET NO. 4 OF 7 SHEETS
STA.	TO STA.

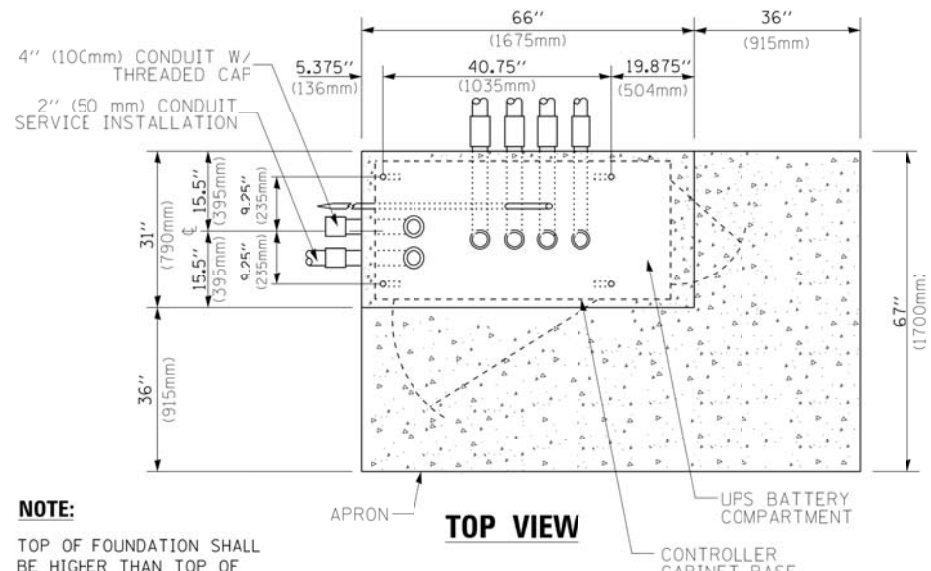
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	12-00073-02-FP	KANE	207	120
<b>TS-05</b>		<b>CONTRACT NO.</b>	<b>61F32</b>	
FED. ROAD DIST. NO. 1 ILLINOIS/FED. AID PROJECT				



**TOP VIEW**

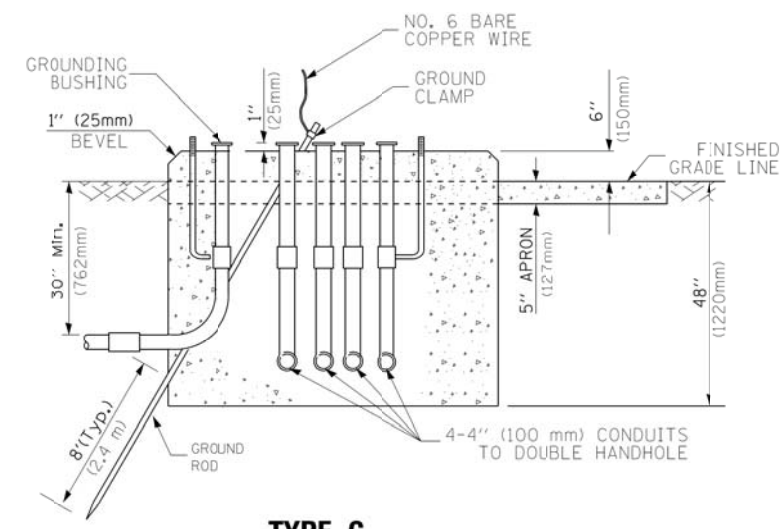


**TYPE D  
FOR GROUND MOUNTED  
CONTROLLER CABINET  
AND UPS BATTERY CABINET**

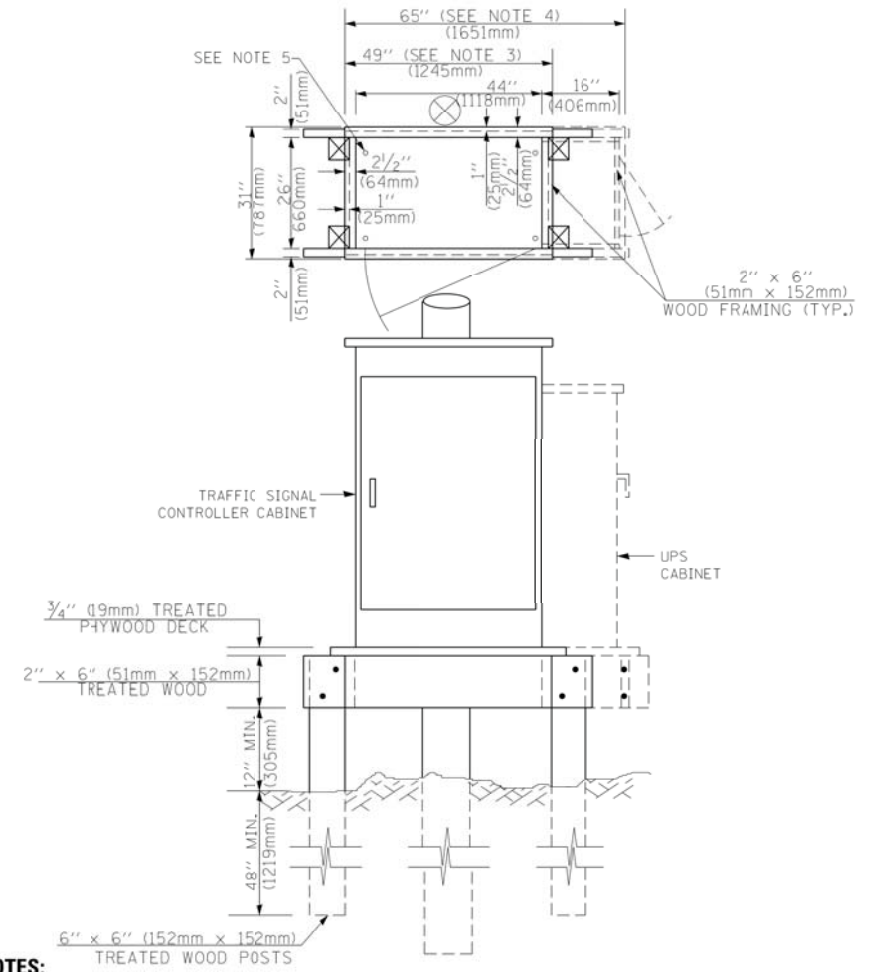


**TOP VIEW**

**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)

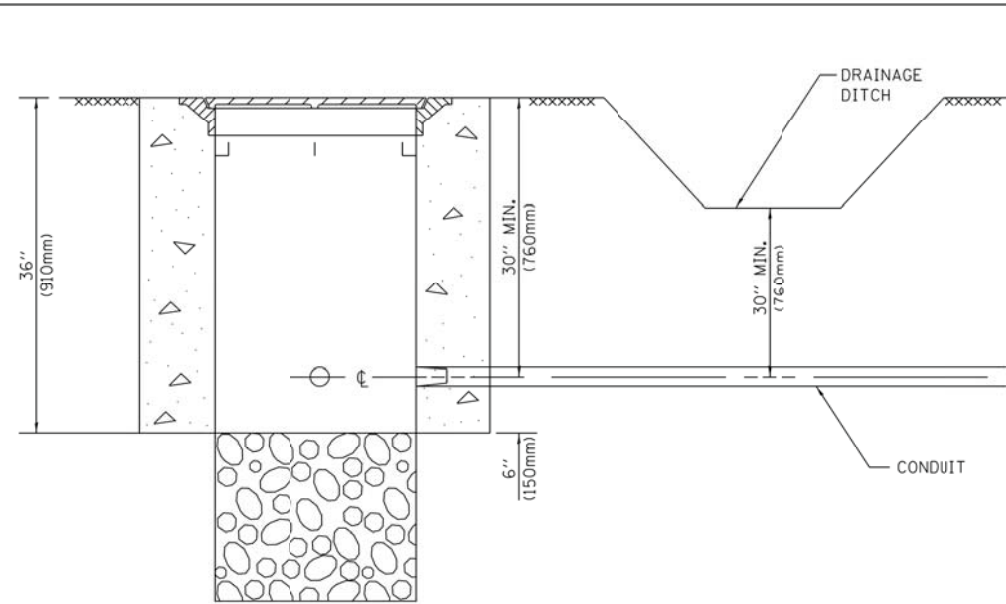
**DEPTH OF FOUNDATION**

MAST ARM LENGTH	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 up to 75' (22.9 m)	21'-0" (6.4 m)	42" (1066mm)	36" (900mm)	16	8(25)
	25'-0" (7.6 m)	42" (1066mm)	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" (1066 mm) diameter foundations.
4. For mast arm assemblies with dual arms refer to state standard 878001.

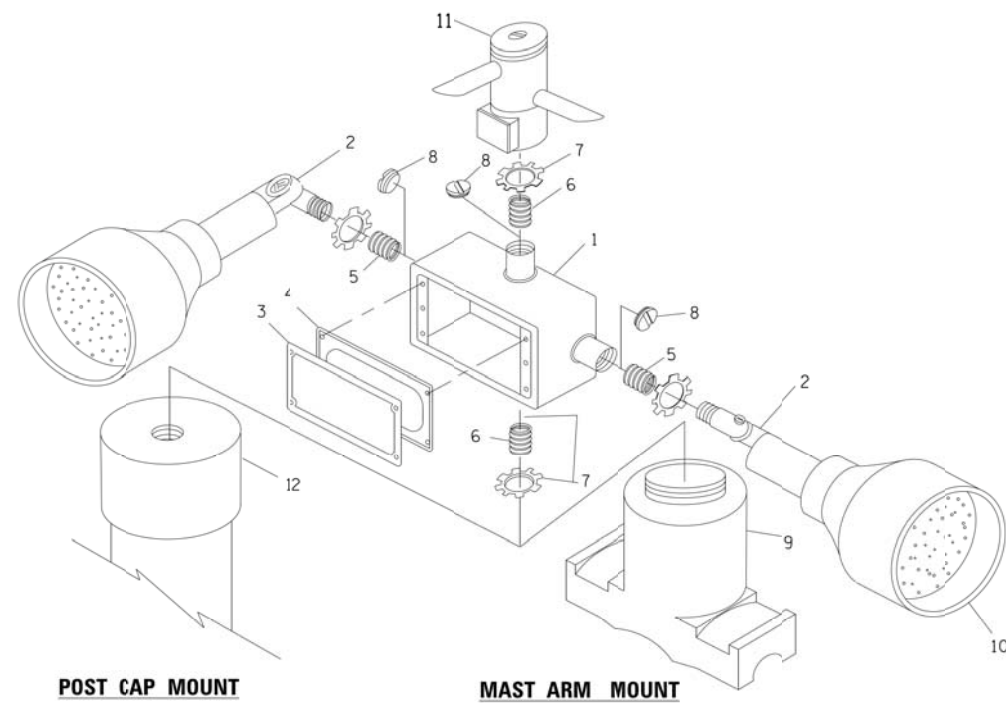
**DEPTH OF MAST ARM FOUNDATIONS, TYPE E**



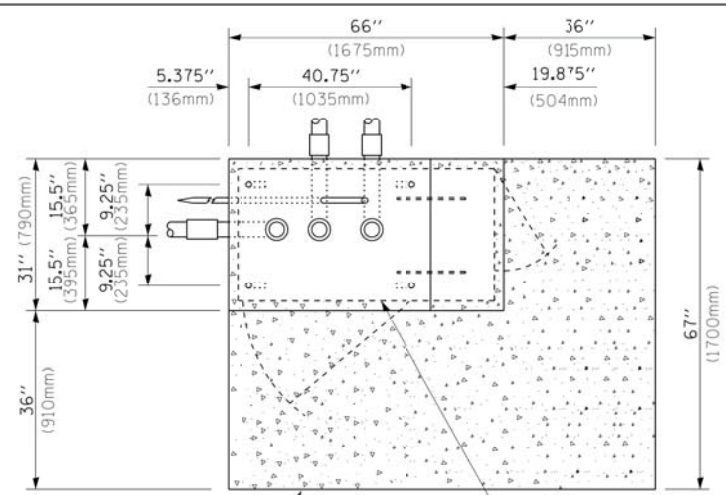
**NOTES:**

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.

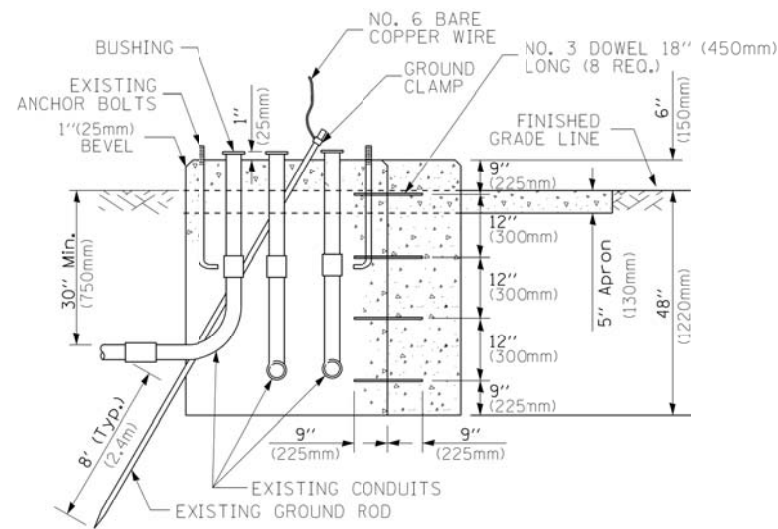
**HANDHOLE WITH MINIMUM CONDUIT DEPTH**  
(NOT TO SCALE)



**EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL**



**TOP VIEW**  
(NOT TO SCALE)

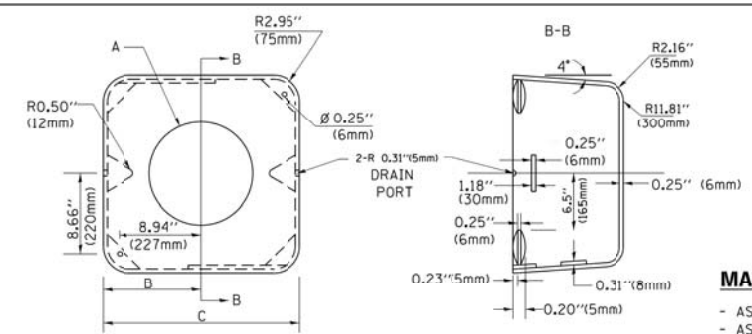


**MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION**  
(NOT TO SCALE)

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0,000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

**NOTES:**

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



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

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

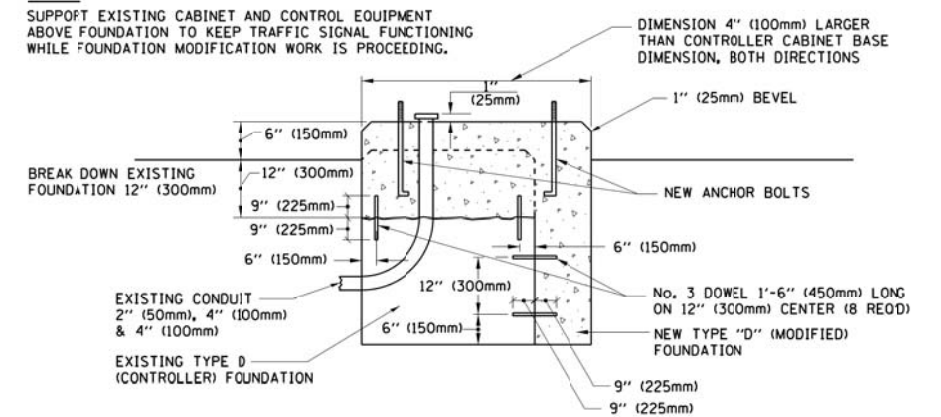
**SHROUD**

**NOTES:**

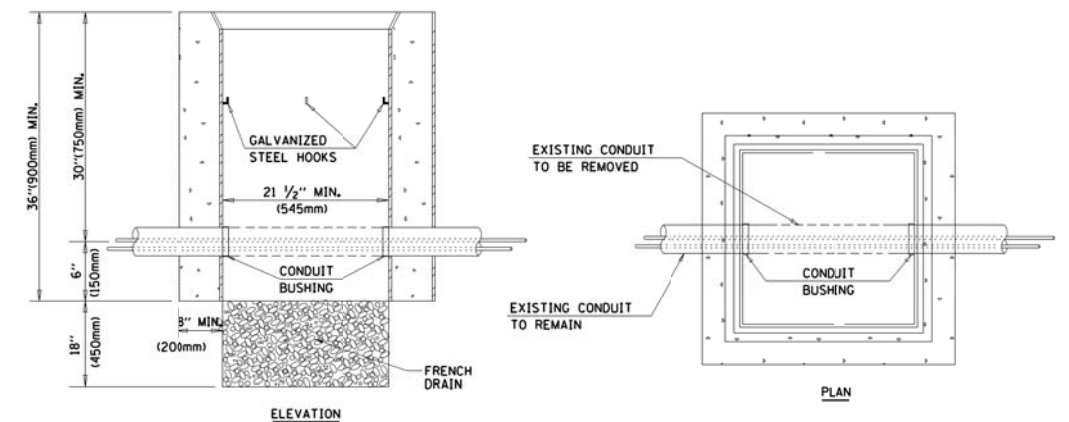
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

**NOTE:**

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



**MODIFY EXISTING TYPE "D" FOUNDATION**



**NOTES:**

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

**HANDHOLE TO INTERCEPT EXISTING CONDUIT**

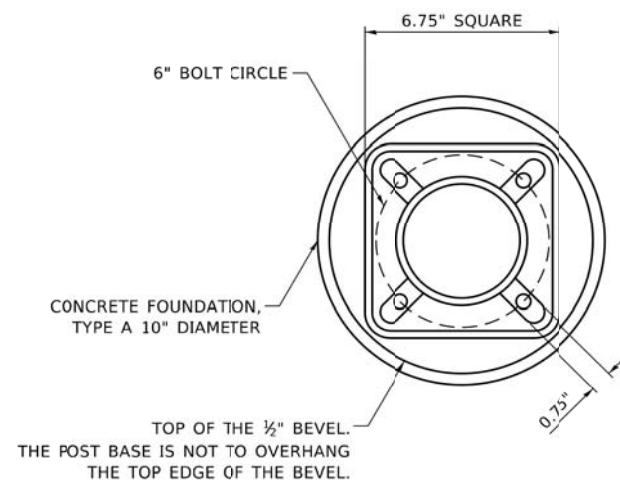
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE**  
**STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

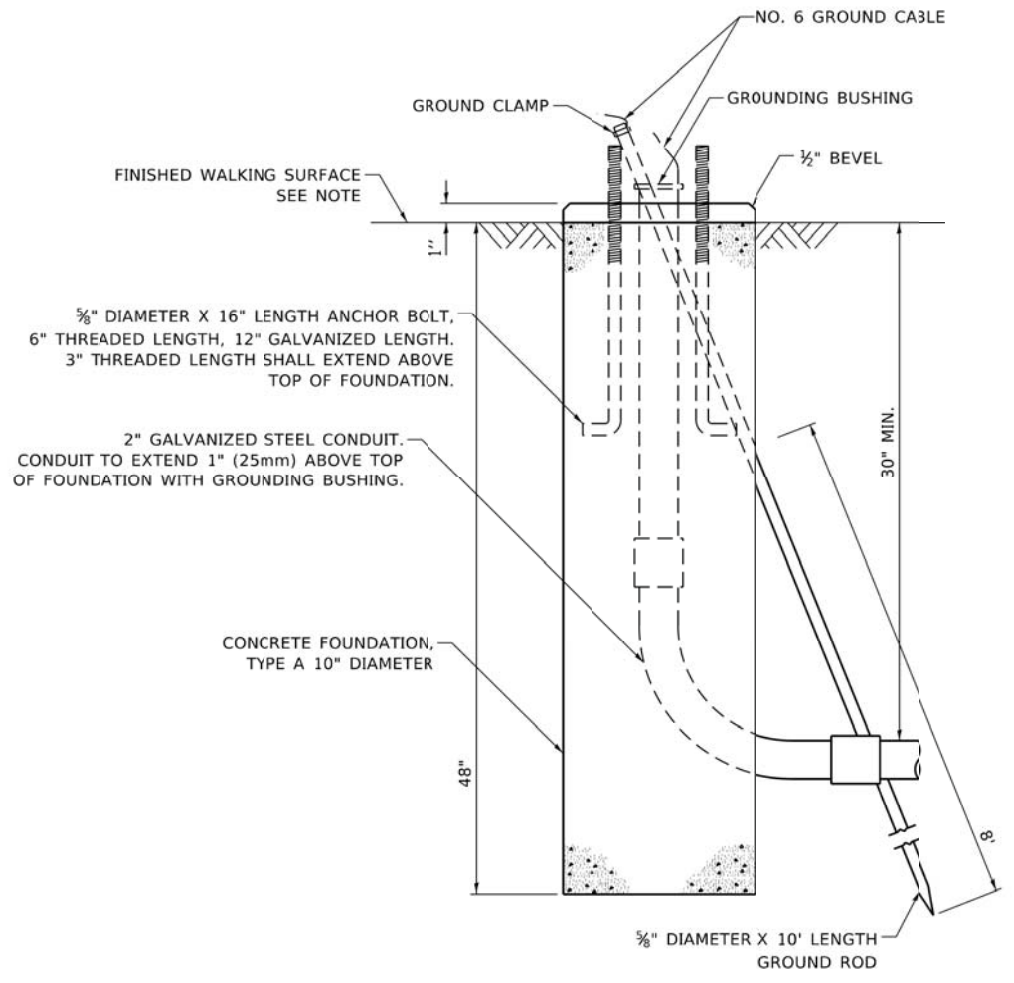
SCALE: NONE SHEET NO. 6 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	12-00073-02-FP	KANE	207	122
<b>TS-05</b>		CONTRACT NO.	61F32	
FED. ROAD DIST. NO. 1 ILLINOIS/FED. AID PROJECT				

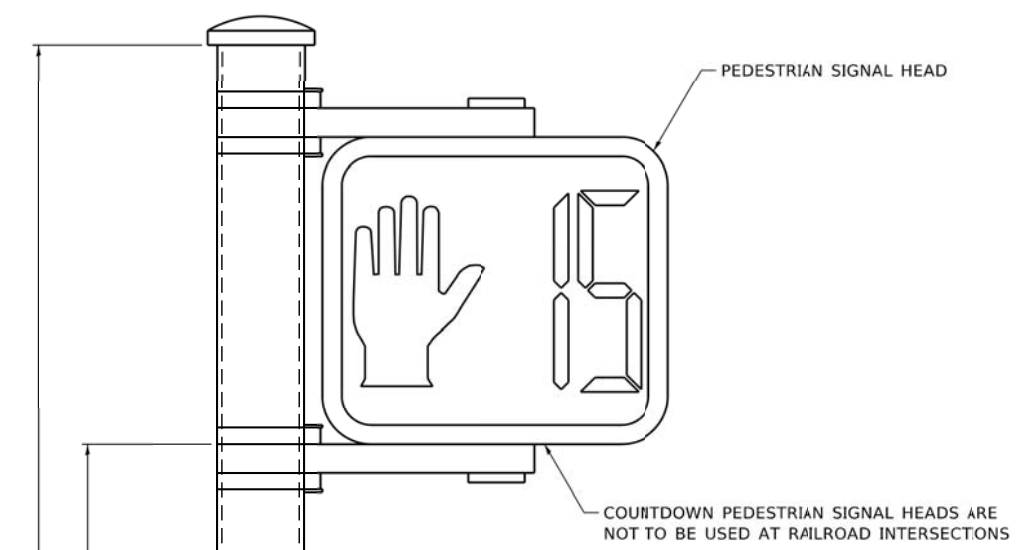


**BOLT PATTERN**

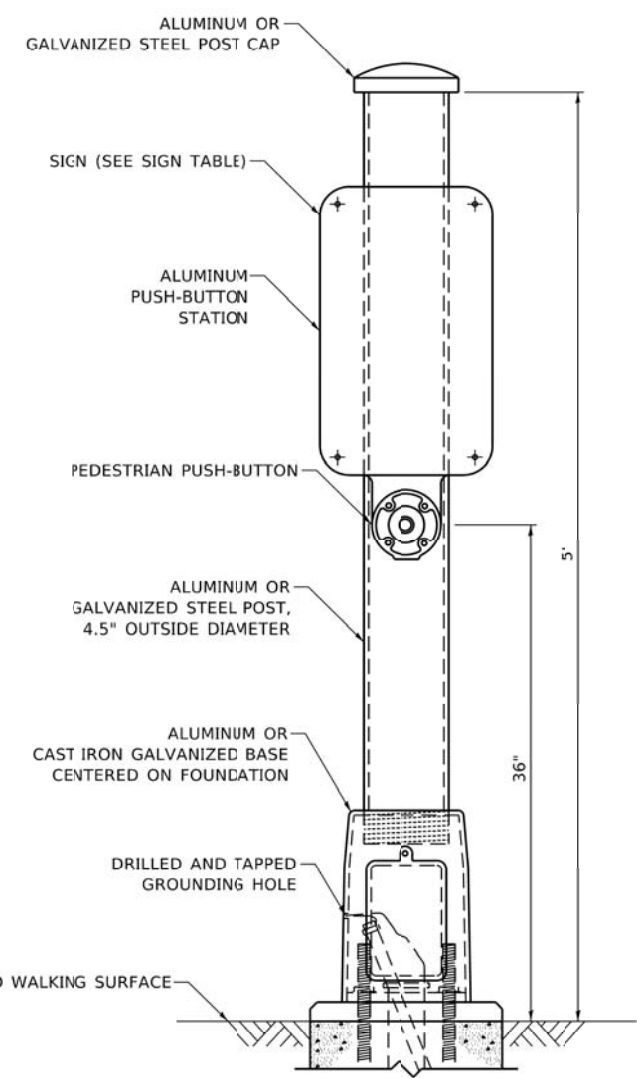
NOTE:  
 1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



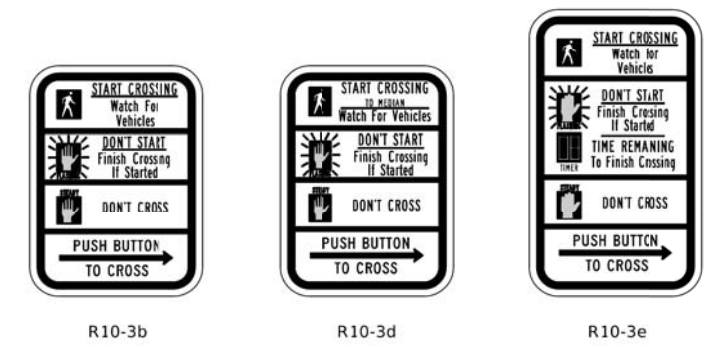
**CONCRETE FOUNDATION, TYPE A 10-INCH DIAMETER**



**PEDESTRIAN SIGNAL POST, 10 FT.**



**PEDESTRIAN SIGNAL POST, 5 FT.**



**SIGN TABLE**

SIGN	DIMENSIONS
R10-3b (RAILROAD ONLY)	9" X 12"
R10-3d (RAILROAD ONLY)	9" X 12"
R10-3e	9" X 15"

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.

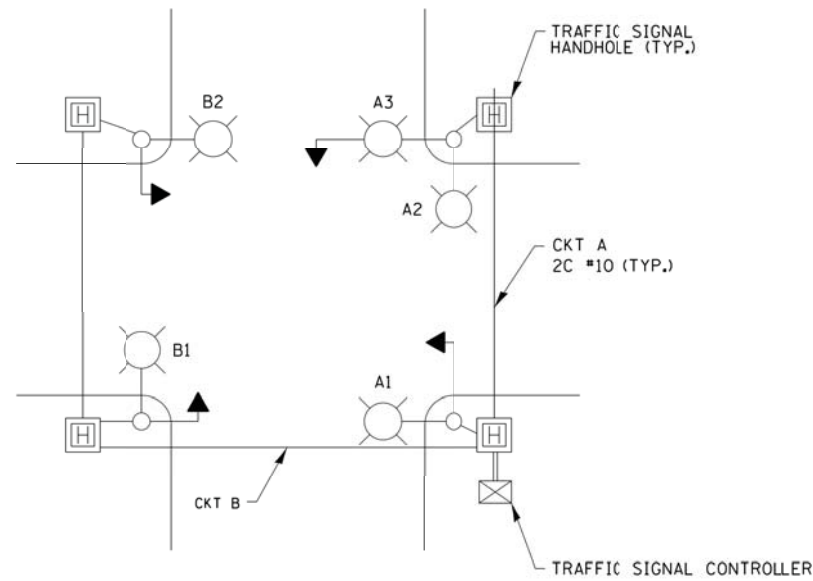
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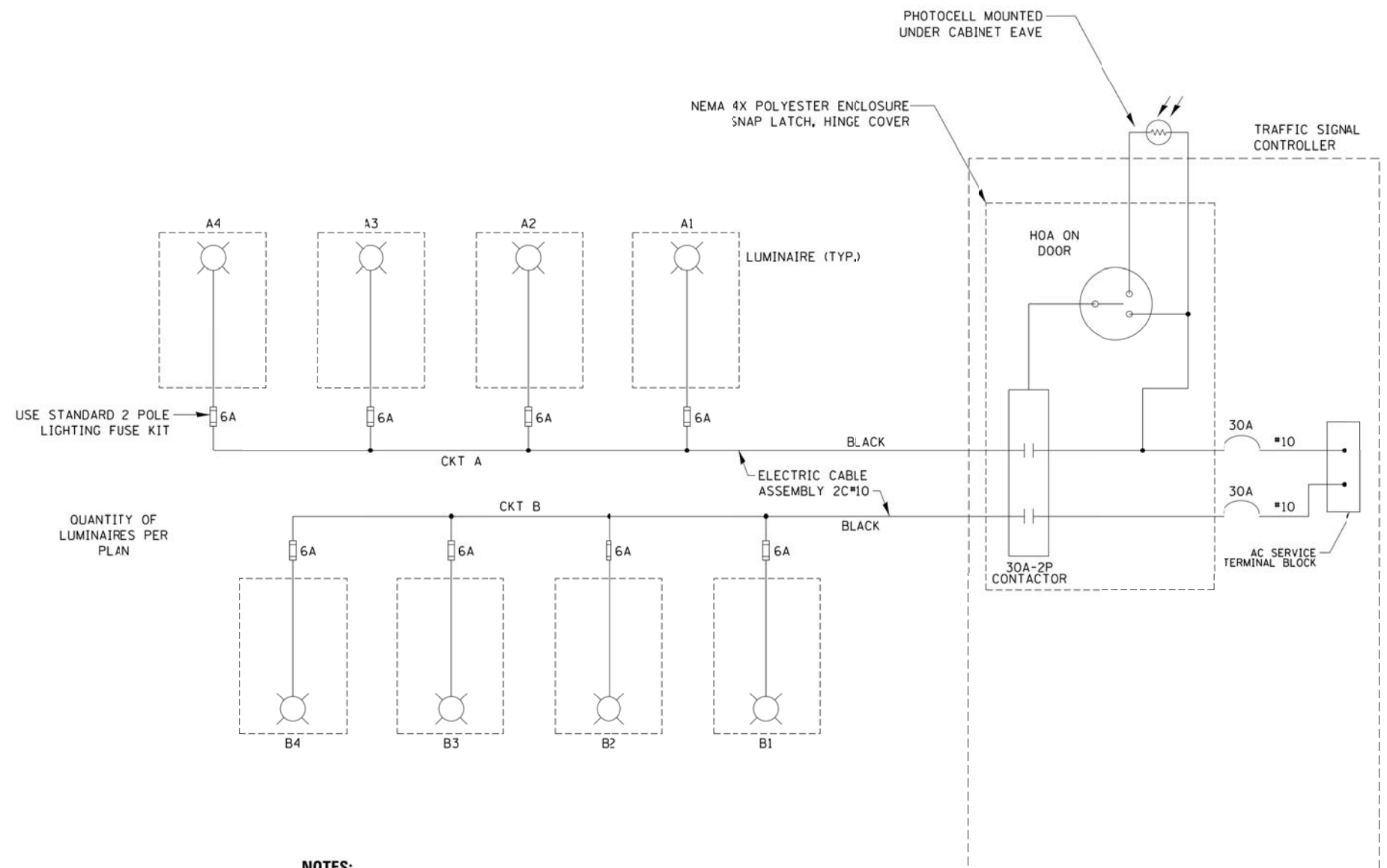
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
 STANDARD TRAFFIC SIGNAL DESIGN DETAILS**  
 SCALE: NTS SHEET NO. 7 OF 7 SHEETS STA. TO STA.

F.A.U. RTE. 3887	SECTION 12-00073-02-FP	COUNTY KANE	TOTAL SHEETS 207	SHEET NO. 123
TS-05		CONTRACT NO. 61F32		
ILLINOIS FED. AID PROJECT				

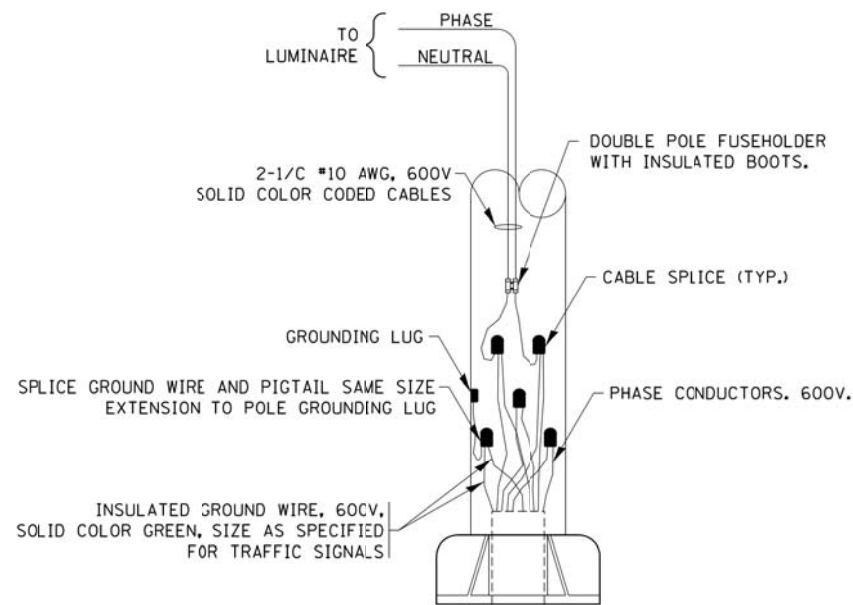


**TYPICAL LIGHTING CIRCUIT**  
(NOT TO SCALE)



QUANTITY OF LUMINAIRES PER PLAN

- NOTES:**
1. 4 LUMINAIRES PER CIRCUIT, MAXIMUM.
  2. MULTI-CONDUCTOR CABLE ASSEMBLY FOR LIGHTING CIRCUITS.
  3. ROUTE LIGHTING CIRCUITS IN TRAFFIC SIGNAL CONDUIT SYSTEM.
  4. ALL SPLICES AND CONNECTIONS FOR ROADWAY LIGHTING SHALL BE AT POLE BASE ONLY.
  5. ALL CONTROLLERS TO HAVE TWO FUSED LIGHTING BRANCH CIRCUITS.
  6. ALL WIRING SHALL BE NEATLY DRESSED, IDENTIFIED BY TAGS, AND SUPPORTED. (UNDERGROUND SPLICING OF LIGHTING CONDUCTORS IS NOT PERMITTED).
  7. THE H.O.A. SWITCH SHALL BE LABELED AS "LIGHTING CONTROL" WITH THE POSITIONS "AUTO", "OFF" AND "TEST" WITH ENGRAVED NAME PLATES.
  8. LIGHTING CONNECTED TO UFS BYPASS CIRCUIT.
  9. COMBINATION LIGHTING MUST BE INSTALLED PRIOR TO SIGNAL TURN ON.
  10. LUMINAIRE VOLTAGE SHALL BE 120V



**COMBINATION POLE WIRING DETAIL**  
(NOT TO SCALE)

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Default	PLOT SCALE = 50.0000' / in.	DRAWN - RT	REVISED - 10/13/2015
	PLOT DATE = 03/22/18	CHECKED - RT	REVISED - T.G. 4/12/2017
		DATE - 08/18/2014	REVISED - R. TOMSONS 3/22/18

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

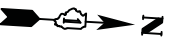
COMBINATION LIGHTING, TRAFFIC SIGNAL SCHEMATIC

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	12-00073-02-FP	KANE	207	124
BE-240		CONTRACT NO. 61F32		
ILLINOIS FED. AID PROJECT				



**NOTES**



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

- 1 EACH CONTROLLER AND CABINET, COMPLETE
- 2 EACH ALUMINUM MAST ARM ASSEMBLY AND POLE
- 7 EACH TRAFFIC SIGNAL POST
- 2 EACH TRAFFIC SIGNAL BACKPLATE
- 1 EACH SERVICE INSTALLATION
- 2 EACH LUMINAIRE
- 6 EACH 3-SECTION SIGNAL HEAD

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED MAST ARMS, POSTS, AND TRAFFIC SIGNAL CONTROLLER:

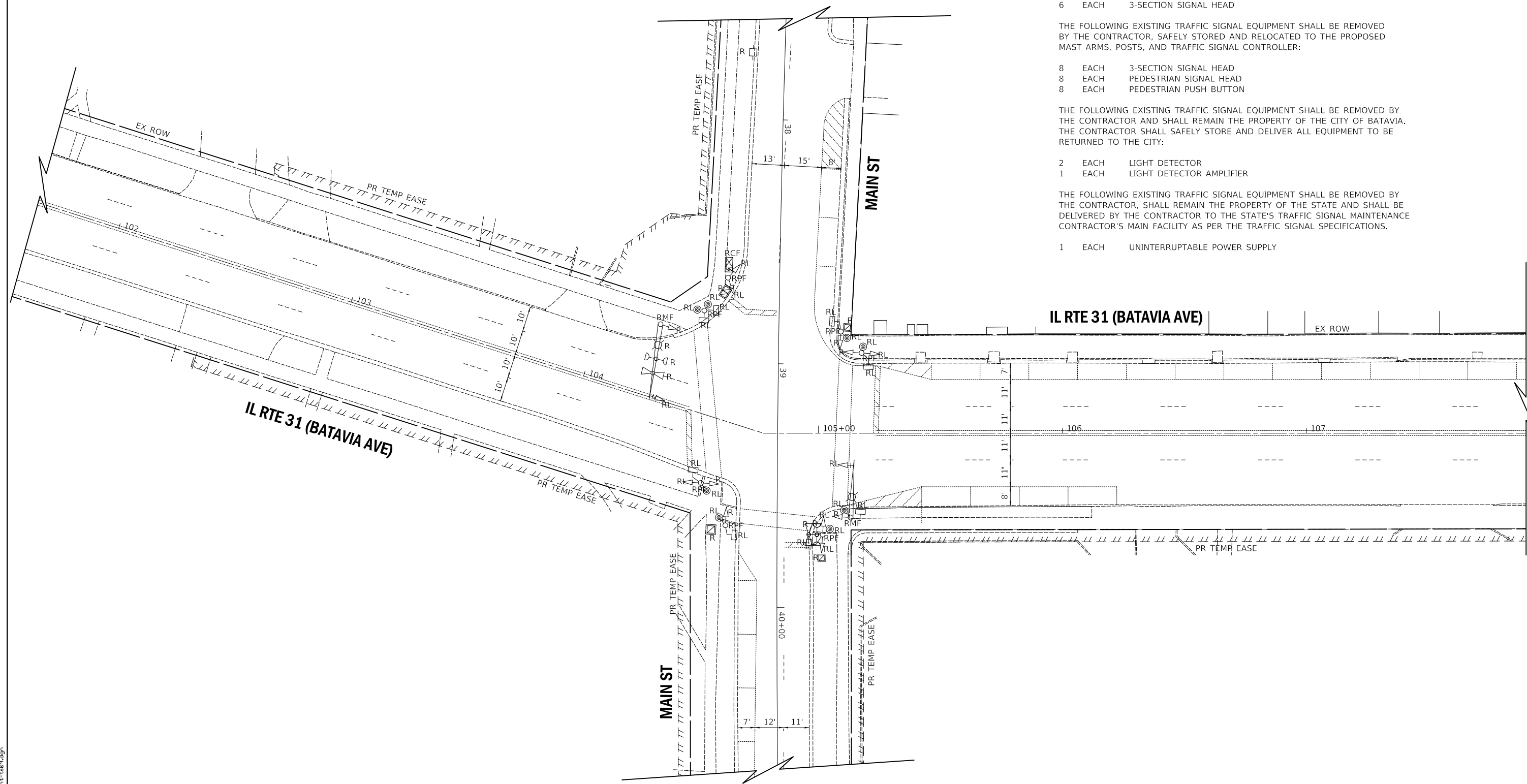
- 8 EACH 3-SECTION SIGNAL HEAD
- 8 EACH PEDESTRIAN SIGNAL HEAD
- 8 EACH PEDESTRIAN PUSH BUTTON

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE CITY OF BATAVIA. THE CONTRACTOR SHALL SAFELY STORE AND DELIVER ALL EQUIPMENT TO BE RETURNED TO THE CITY:

- 2 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE STATE AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE STATE'S TRAFFIC SIGNAL MAINTENANCE CONTRACTOR'S MAIN FACILITY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

- 1 EACH UNINTERRUPTABLE POWER SUPPLY



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 PEN TABLE = #PENITBL\$  
 FILE NAME = ...3154-shr-ta09.dgn



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	DRAWN - OJT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JJE	REVISED -
PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EXISTING TRAFFIC SIGNAL REMOVAL AND RELOCATION PLAN  
 IL RTE 31 (BATAVIA AVE) AND MAIN ST**

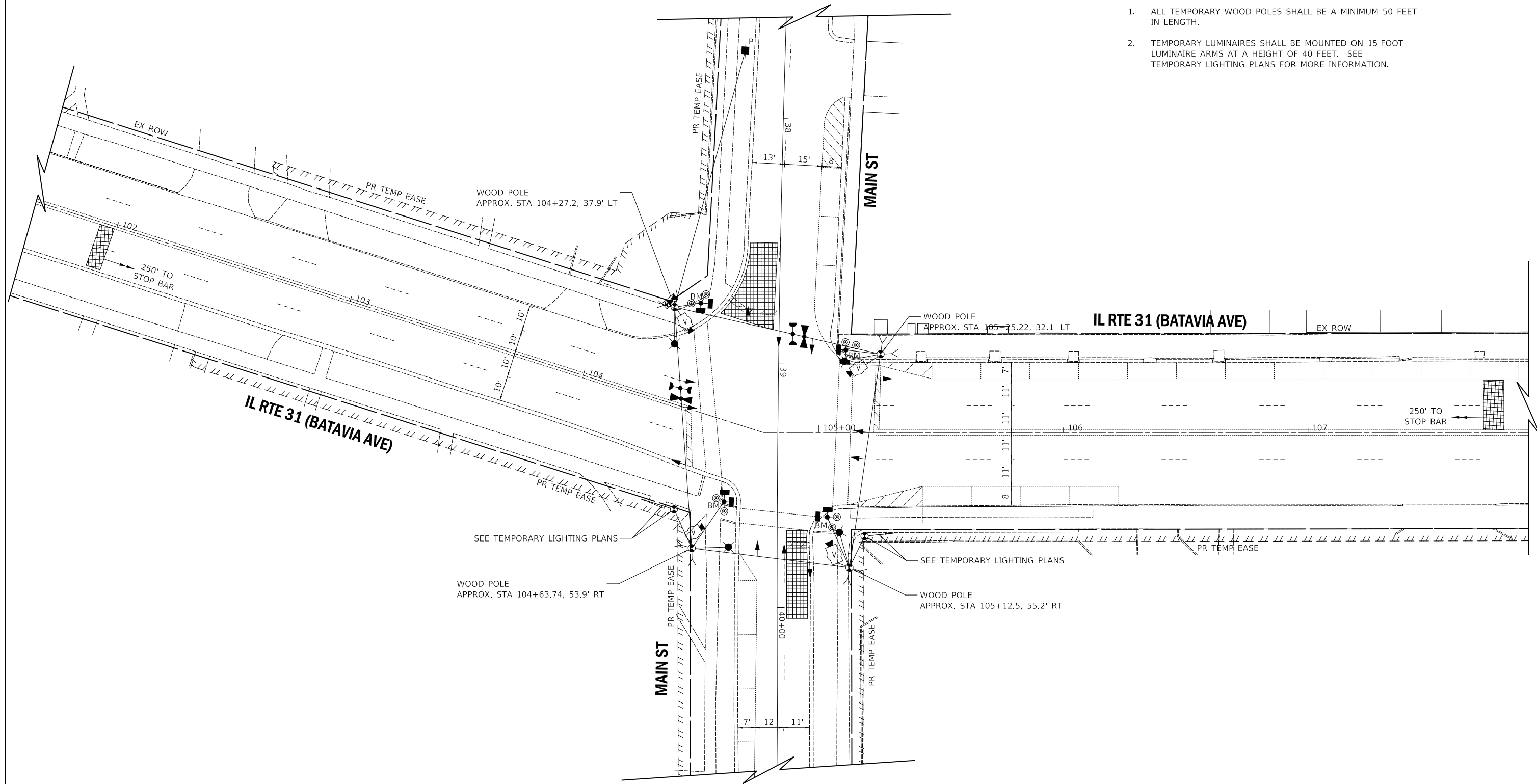
SCALE: 1" = 20' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	12-00073-02-FP	KANE	207	125
CONTRACT NO. 61F32			ILLINOIS FED. AID PROJECT	



**NOTES**

1. ALL TEMPORARY WOOD POLES SHALL BE A MINIMUM 50 FEET IN LENGTH.
2. TEMPORARY LUMINAIRES SHALL BE MOUNTED ON 15-FOOT LUMINAIRE ARMS AT A HEIGHT OF 40 FEET. SEE TEMPORARY LIGHTING PLANS FOR MORE INFORMATION.



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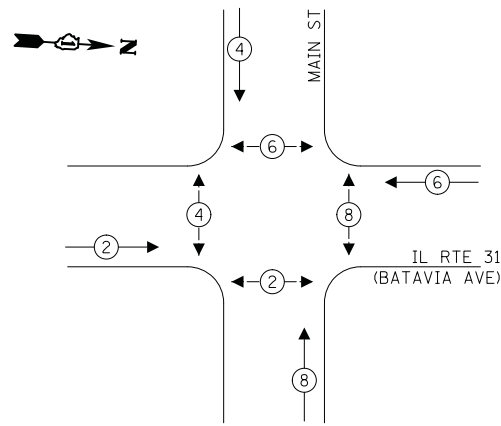
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN**  
**IL RTE 31 (BATAVIA AVE) AND MAIN ST**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	12-00073-02-FP	KANE	207	126
CONTRACT NO. 61F32				
ILLINOIS FED. AID PROJECT				

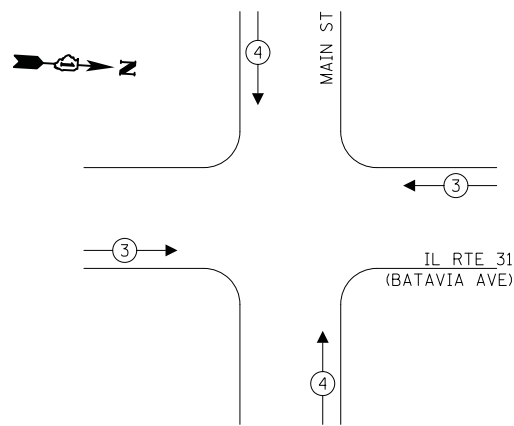
**PROPOSED CONTROLLER SEQUENCE**



**LEGEND:**

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

**PROPOSED EMERGENCY VEHICLE  
PREEMPTION SEQUENCE**



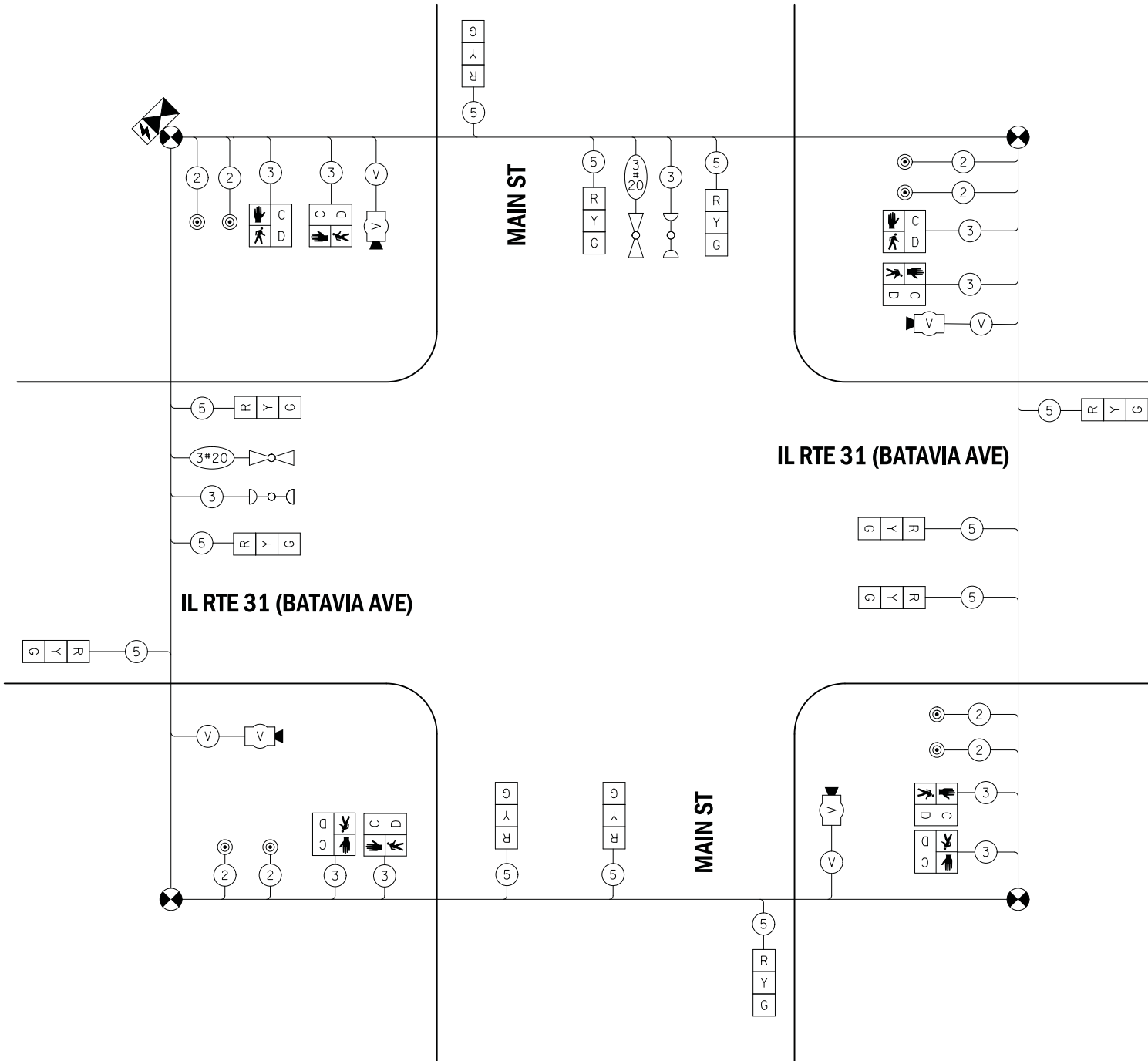
**TRAFFIC SIGNAL  
ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	-	10	10	0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	1	150	100	150.0
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	250	50	-
TOTAL =				577.8

ENERGY COSTS TO:

ILLINOIS DEPARTMENT OF TRANSPORTATION  
201 W CENTER COURT  
SCHAUMBURG, IL 60196

ENERGY SUPPLY: CONTACT: BRIAN BETTIN  
PHONE: (630) 454-2359  
COMPANY: BATAVIA ELECTRIC DEPARTMENT  
ACCOUNT NUMBER: ---



**CABLE PLAN**  
(NOT TO SCALE)

PLOT DRIVER = #PLOTDRVL\$  
PEN TABLE = #PENLTL\$  
FILE NAME = ...3154-sht-1.tbl.dgn



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PLOT DATE = 11/5/2019	CHECKED - JJE	REVISED -
	DATE - 11/06/19	REVISED -

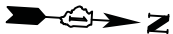
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM,  
AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE  
IL RTE 31 (BATAVIA AVE) AND MAIN ST**

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

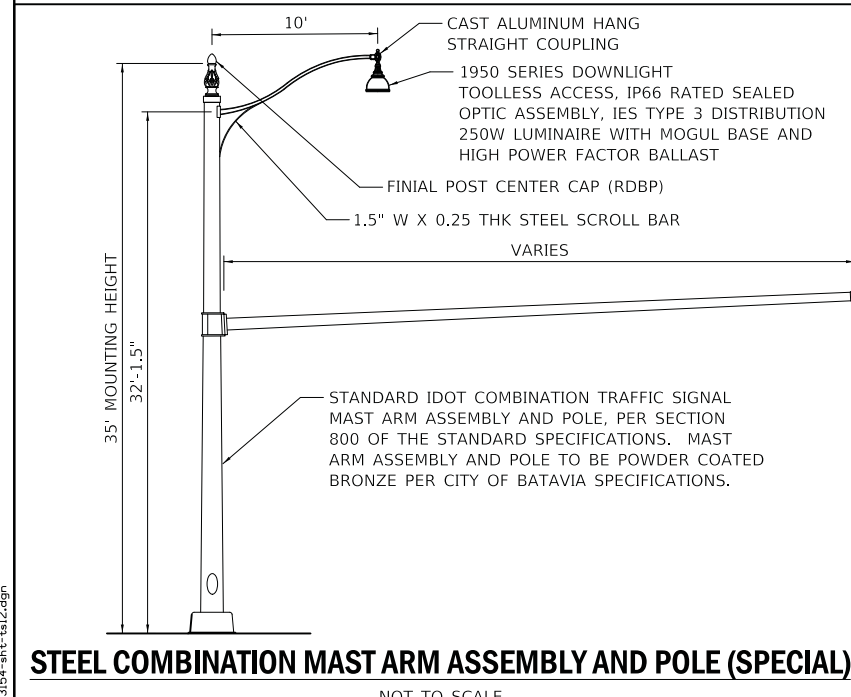
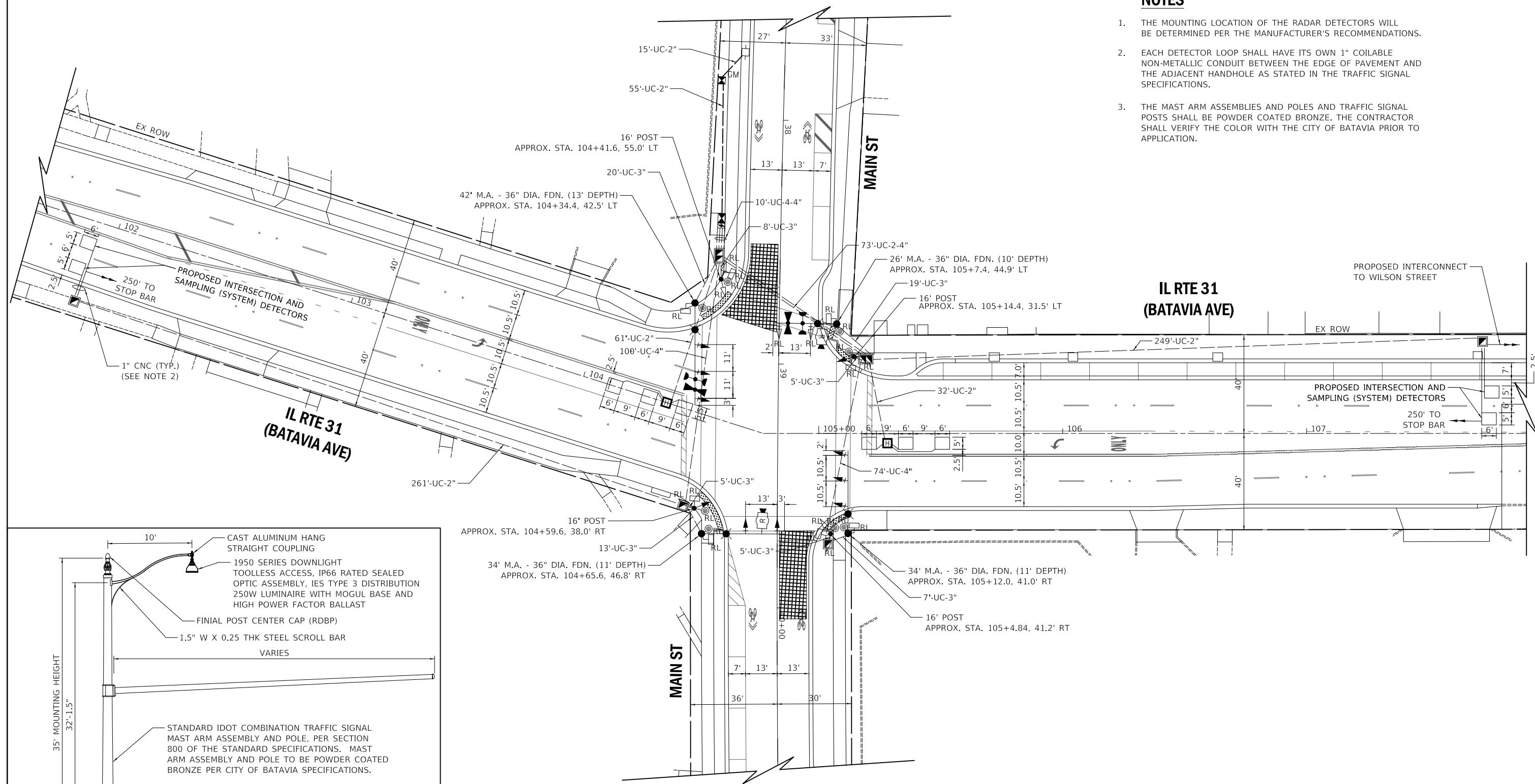
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	12-00073-02-FP	KANE	207	127
				CONTRACT NO. 61F32

ILLINOIS FED. AID PROJECT



**NOTES**

1. THE MOUNTING LOCATION OF THE RADAR DETECTORS 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 STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
3. THE MAST ARM ASSEMBLIES AND POLES AND TRAFFIC SIGNAL POSTS SHALL BE POWDER COATED BRONZE. THE CONTRACTOR SHALL VERIFY THE COLOR WITH THE CITY OF BATAVIA PRIOR TO APPLICATION.



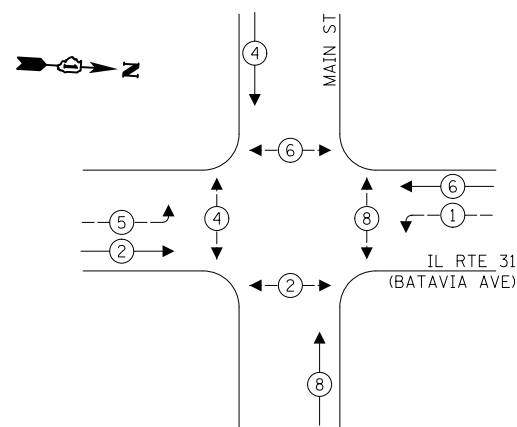
**STEEL COMBINATION MAST ARM ASSEMBLY AND POLE (SPECIAL)**  
NOT TO SCALE

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**ECON 26**  
**TS 4640**

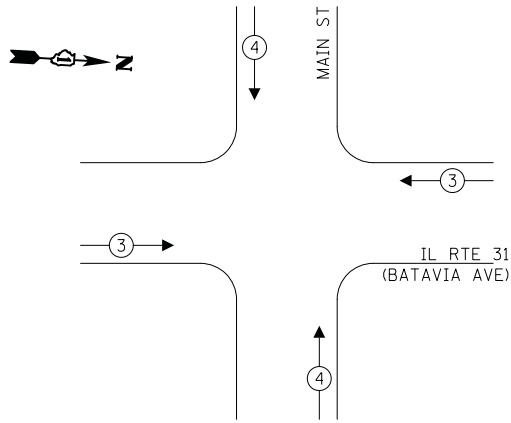
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	PLOT SCALE = 20.0000' / in.	CHECKED - JJE	REVISED -			SCALE: 1" = 20'	SHEET 1 OF 1 SHEETS	STA. TO STA.	CONTRACT NO. 61F32	
	PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -							

**PROPOSED CONTROLLER SEQUENCE**



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

**PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



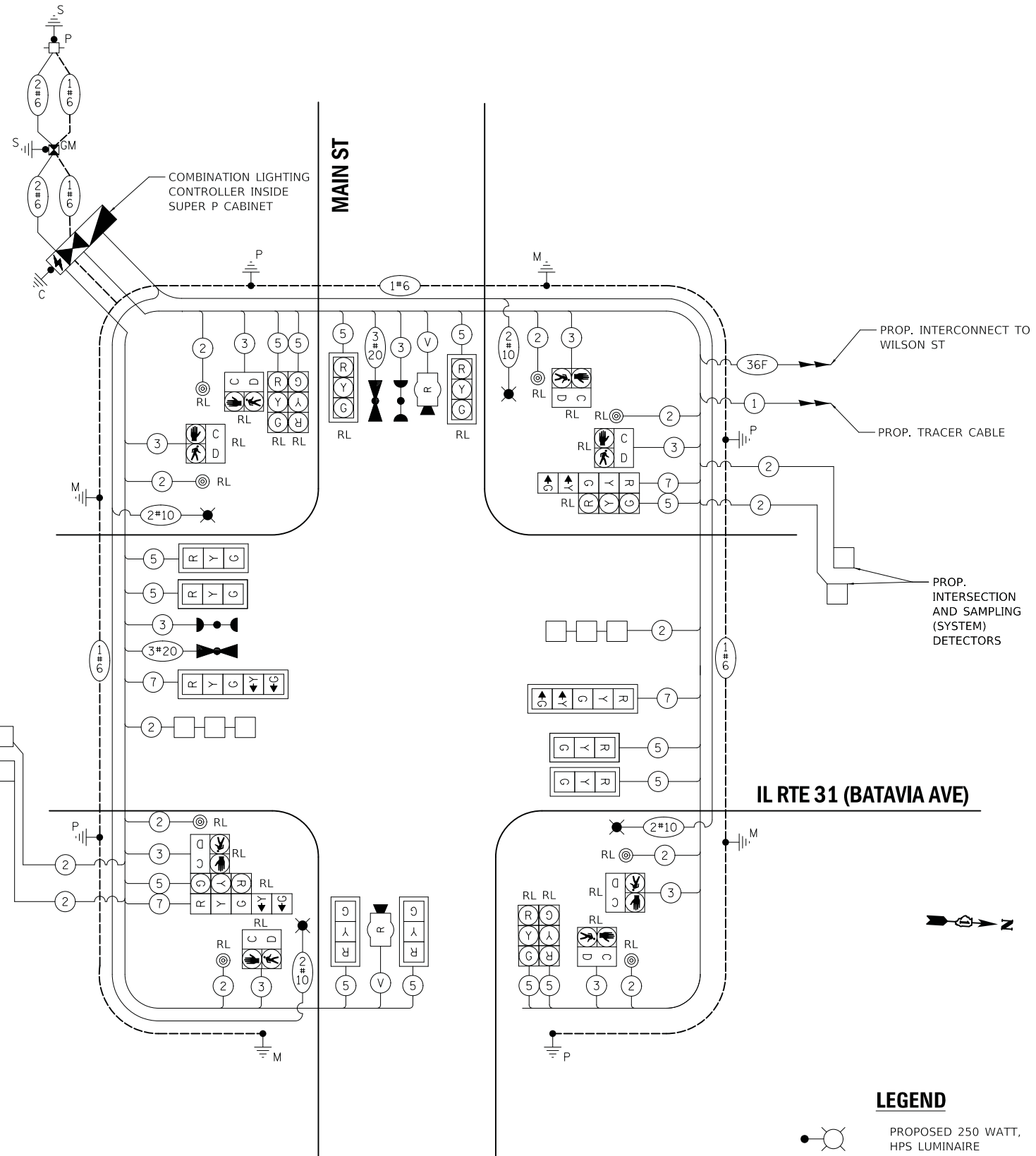
**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	18	11	50	99.0
(YELLOW)	18	20	5	18.0
(GREEN)	18	12	45	97.2
PERMISSIVE ARROW	8	10	10	8.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	4	250	50	500.0
TOTAL =				1007.2

ENERGY COSTS TO:

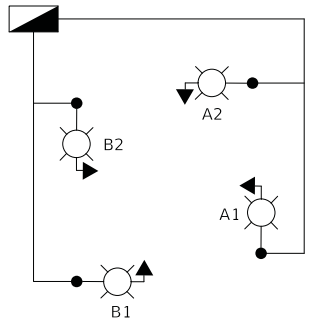
ILLINOIS DEPARTMENT OF TRANSPORTATION  
201 W. CENTER COURT  
SCHAUMBURG, IL 60196

ENERGY SUPPLY: CONTACT: BRIAN BETTIN  
PHONE: (630) 454-2359  
COMPANY: BATAVIA ELECTRIC DEPARTMENT  
ACCOUNT NUMBER:



**CABLE PLAN**  
(NOT TO SCALE)

IL RTE 31 / MAIN ST  
COMBINATION LIGHTING  
ONE-LINE DIAGRAM



**LEGEND**

- ⊙ — PROPOSED 250 WATT, HPS LUMINAIRE
- ◼ — PROPOSED COMBINATION LIGHTING CONTROLLER INSIDE SUPER P CABINET

IDOT CONTROLLER LOAD TABLE

RED CABLE @120V	BLACK CABLE @120V
A 5.6	B 5.6
TOTAL 5.6	TOTAL 5.6

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PEN TABLE = #PENITBL\$  
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PLOT DATE = 11/5/2019	CHECKED JJE	REVISED -
	DATE - 11/06/19	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND  
EMERGENCY VEHICLE PREEMPTION SEQUENCE  
IL RTE 31 (BATAVIA AVE) AND MAIN ST

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

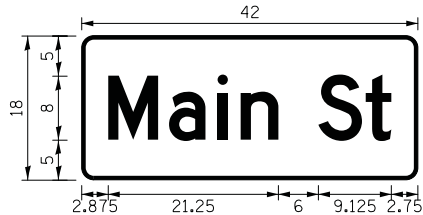
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	12-00073-02-FP	KANE	207	129
CONTRACT NO. 61F32				
ILLINOIS FED. AID PROJECT				

**ECON 26**  
**TS 4640**

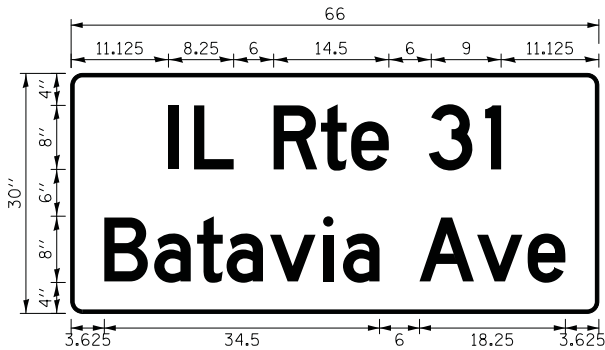
**SCHEDULE OF QUANTITIES**

**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	TYPE 1	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	13.75	TYPE 2	ZZ	2

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

PAY ITEM	UNIT	QNTY.
SIGN PANEL - TYPE 1	SQ FT	10.5
SIGN PANEL - TYPE 2	SQ FT	27.5
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	673
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	82
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	360
HANDHOLE	EACH	4
HEAVY-DUTY HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1456
PAINT NEW TRAFFIC SIGNAL POST	EACH	4
PAINT NEW COMBINATION MAST ARM AND POLE, UNDER 40 FOOT	EACH	3
PAINT NEW COMBINATION MAST ARM AND POLE, 40 FOOT AND OVER	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1108
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1454
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2254
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	663
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1788
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	111
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	812
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4
CONCRETE FOUNDATION, TYPE A	FOOT	20
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	45
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	10
INDUCTIVE LOOP DETECTOR	EACH	6
DETECTOR LOOP, TYPE I	FOOT	323
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
RELOCATE EXISTING SIGNAL HEAD	EACH	8
RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	8
RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	8
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	4
REMOVE EXISTING CONCRETE FOUNDATION	EACH	10
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	290
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	2
COMBINATION LIGHTING CONTROLLER	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 26 FT. (SPECIAL)	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT. (SPECIAL)	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT. (SPECIAL)	EACH	1
LUMINAIRE, HIGH PRESSURE SODIUM, SPECIAL	EACH	4
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

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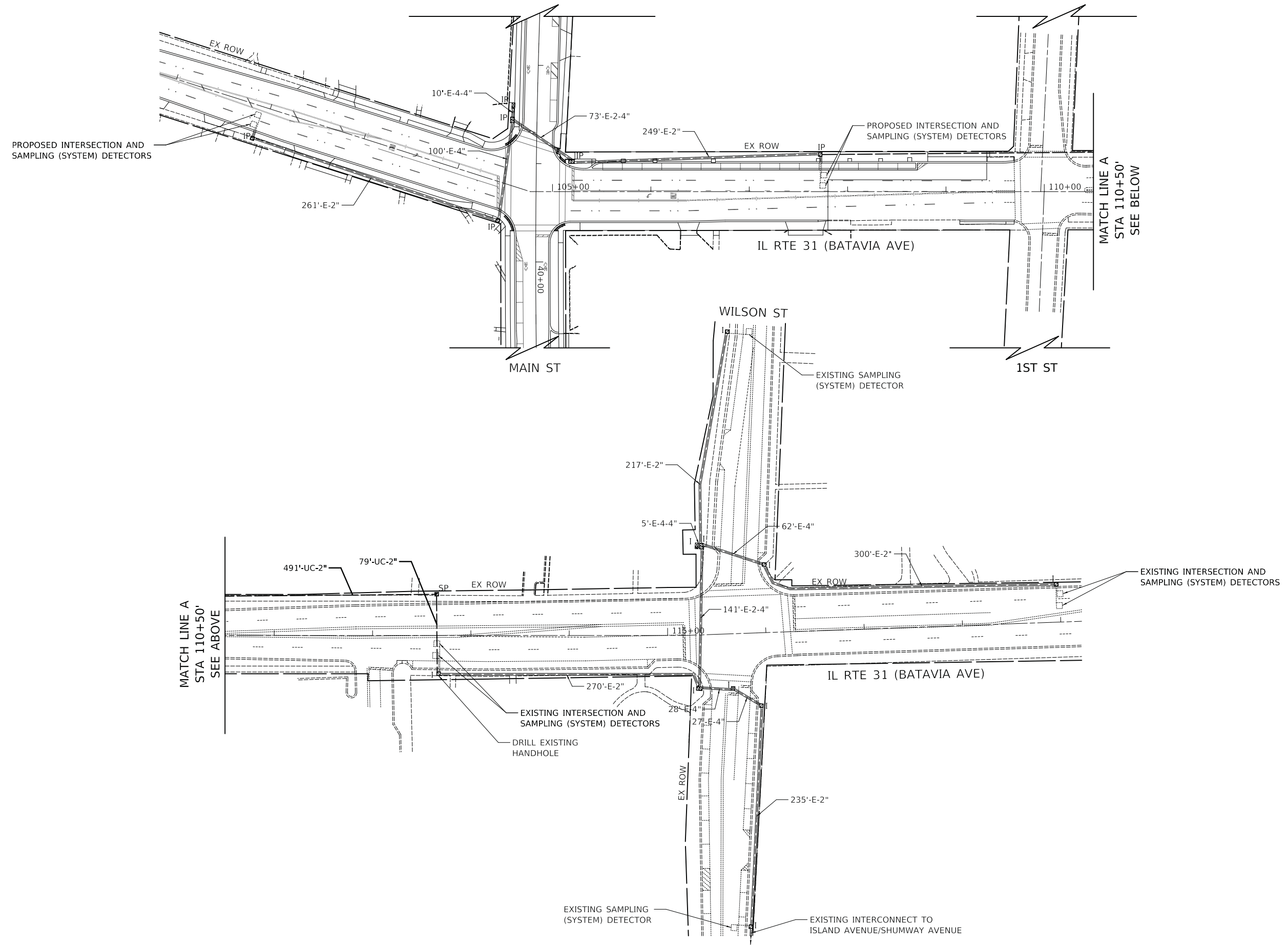
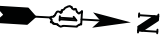
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAME SIGNS AND SCHEDULE OF QUANTITIES  
 IL RTE 31 (BATAVIA AVE) AND MAIN ST

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	12-00073-02-FP	KANE	207	130
CONTRACT NO. 61F32			ILLINOIS FED. AID PROJECT	

ECON 26  
 TS 4640



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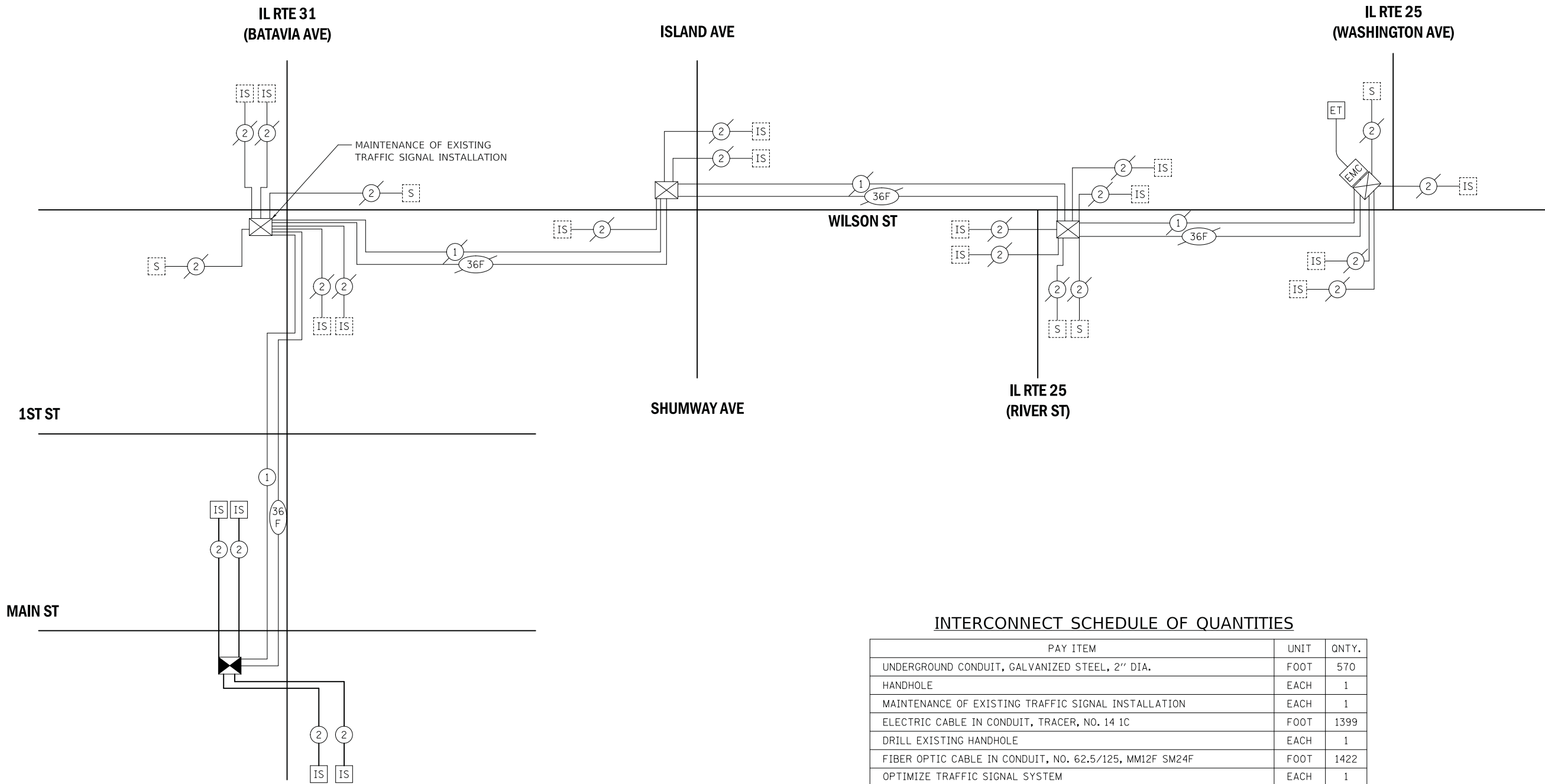
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PROPOSED INTERCONNECT PLAN  
 IL RTE 31 (BATAVIA AVE) - MAIN ST TO WILSON ST

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	12-00073-02-FP	KANE	207	131
				CONTRACT NO. 61F32
ILLINOIS FED. AID PROJECT				

ECON 26



**INTERCONNECT SCHEDULE OF QUANTITIES**

PAY ITEM	UNIT	QNTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	570
HANDHOLE	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	1399
DRILL EXISTING HANDHOLE	EACH	1
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	1422
OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1

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PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PROPOSED INTERCONNECT SCHEMATIC AND SCHEDULE OF QUANTITIES**  
**WILSON ST - IL RTE 31 (BATAVIA AVE) TO IL RTE 25 (WASHINGTON AVE)**  
**IL RTE 31 (BATAVIA AVE) - MAIN ST TO WILSON ST**

SCALE: 1" = 50'    SHEET 1 OF 1 SHEETS    STA. 103+25 TO STA. 107+80

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	12-00073-02-FP	KANE	207	132
CONTRACT NO.			61F32	
ILLINOIS		FED. AID PROJECT		

**ECON 26**



## LEGEND

	EXISTING LIGHTING UNIT 250 WATT HPS, 30 FT. M.H. CONCRETE POLE, 6 FT. MAST ARM
	PROPOSED LIGHTING UNIT EXISTING LUMINAIRE 250 WATT HPS (120V PHASE TO NEUTRAL) PROPOSED LIGHT POLE, ALUMINUM, 30 FT. M.H., 6 FT. MAST ARM
	EXISTING LIGHTING UNIT 250 WATT HPS, 30 FT. M.H., 8 FT. MAST ARM
	RELOCATED LIGHTING UNIT 250 WATT HPS (120V PHASE TO NEUTRAL), 30 FT. M.H., 8 FT. MAST ARM
	TEMPORARY LIGHTING UNIT LUMINAIRE, 250 WATT HPS, TYPE III DISTRIBUTION (120V PHASE TO NEUTRAL) TEMPORARY WOOD POLE, 50 FT. CLASS 4, 15 FT. MAST ARM (40 FT. M.H.)
	TEMPORARY COMBINATION TRAFFIC SIGNAL AND STREET LIGHT LUMINAIRE, 250 WATT HPS, TYPE III DISTRIBUTION (120V PHASE TO NEUTRAL) 40 FT. M.H., 15 FT. MAST ARM (SEE TRAFFIC SIGNAL PLANS)
	PROPOSED COMBINATION TRAFFIC SIGNAL AND STREET LIGHT LUMINAIRE, 250 WATT HPS, TYPE III DISTRIBUTION (120V PHASE TO NEUTRAL) 35 FT. M.H., 10 FT. MAST ARM (SEE TRAFFIC SIGNAL PLANS)
	TEMPORARY WOOD POLE, 50 FT., CLASS 4
	TEMPORARY AERIAL CABLE
	PROPOSED UNDERGROUND PVC CONDUIT WITH ELECTRIC CABLES (SIZE AS SPECIFIED IN PLANS)
	PROPOSED HANDHOLE, COMPOSITE CONCRETE
	EXISTING ELECTRIC CABLE IN CONDUIT
	REMOVE ELECTRIC CABLE FROM CONDUIT
	EXISTING HANDHOLE

## LIGHTING GENERAL NOTES

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
- PAY ITEMS IN THE SUMMARY OF QUANTITIES HAVE BEEN ESTIMATED. IF, IN THE ENGINEER'S OPINION, ANY WORK IS NOT REQUIRED, THAT ITEM WILL BE DEDUCTED FROM THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- EXISTING LIGHTING WILL REMAIN OPERATIONAL UNTIL TEMPORARY LIGHTING ARE INSTALLED AND OPERATIONAL. TEMPORARY LIGHTING WILL REMAIN OPERATIONAL UNTIL EXISTING LIGHTING IS RELOCATED AND OPERATIONAL.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL LIGHT POLES FOR EXAMINATION AND CONFIRMATION WITH THE RESIDENT ENGINEER AT THE CONSTRUCTION INSPECTION.
- THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO AUGURING FOR LIGHT POLE FOUNDATIONS. THE EXACT LOCATIONS FOR ALL ITEMS SHALL BE CONFIRMED WITH THE RESIDENT ENGINEER PRIOR TO STARTING WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF FINISHED GRADE. THE RESIDENT ENGINEER MAY ASSIST THE CONTRACTOR, AS APPLICABLE, BUT THE RESPONSIBILITY FOR COORDINATING THE FINISHED GRADE ELEVATION WITH THE TOP OF FOUNDATIONS HEIGHTS AND THE LIGHT SHALL REMAIN WITH THE CONTRACTOR.
- NO POLES SHALL BE ERECTED UNTIL THE RESPECTIVE FOUNDATIONS HAVE CURED, AS APPROVED BY THE ENGINEER.
- TO MAINTAIN THE STRUCTURAL INTEGRITY OF LIGHT POLES WITH MAST ARMS, THEY SHALL NOT BE ERECTED AND LEFT TO STAND WITHOUT LUMINAIRES.
- CONDUIT AND UNIT DUCT MUST BE POSITIONED IN THE FIELD TO AVOID CONFLICT WITH TREES, BUSHES, DRAINS, OTHER UTILITIES AND LANDSCAPING.
- THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE ANY LIGHT STANDARD IS ERECTED.
- ANY DAMAGE TO PAVEMENT, SIDEWALK, CURB, OR ANY OTHER PORTION OF THE ROADWAY NOT SPECIFICALLY TO BE REMOVED AND REPLACED SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST AND REPLACEMENT SHALL MEET THE APPROVAL OF THE ENGINEER.
- TEMPORARY LIGHTING ON TEMPORARY SIGNAL COMBINATION POLES WILL BE POWERED FROM THE TEMPORARY LIGHTING CONTROLLER.
- COORDINATE WITH TRAFFIC SIGNAL PLANS FOR EXACT LOCATIONS OF COMBINATION POLES. COMBINATION POLES, MAST ARM, LUMINAIRE, AND WIRING FOR THE PROPOSED COMBINATION LIGHTING WILL BE PAID FOR UNDER TRAFFIC SIGNAL PAY ITEMS.
- OFFSET CALL-OFFS FOR TEMPORARY LIGHT POLES ARE FROM THE CENTER OF POLES TO PROPOSED CENTERLINE.
- OFFSETS CALL-OFFS FOR PROPOSED LIGHT POLES ARE FROM THE CENTER OF POLES TO PROPOSED FACE OF CURB (F.O.C.).

## LIGHTING SCHEDULE OF QUANTITIES

CODED PAY ITEM NO.	ITEM	UNIT	TOTAL QUANTITY
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
80400200	ELECTRIC UTILITY SERVICE CONNECTION	LSUM	1
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	855
81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	2
81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	1006
81702290	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 2/C NO. 2	FOOT	161
81702400	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 2	FOOT	394
81800230	AERIAL CABLE, 2-1/C NO. 6 WITH MESSENGER WIRE	FOOT	1080
83006200	LIGHT POLE, ALUMINUM, 30 FT. M.H., 6 FT. MAST ARM	EACH	2
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	40
83800105	BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 INCH BOLT CIRCLE	EACH	3
84100110	REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	9
84200804	REMOVAL OF POLE FOUNDATION	EACH	4
84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	4
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	2497
89502380	REMOVE EXISTING HANDHOLE	EACH	3
X0323003	TEMPORARY ELECTRIC SERVICE INSTALLATION	EACH	1
X0327349	TEMPORARY WOOD POLE, 40 FT., CLASS 4	EACH	3
X0327350	TEMPORARY WOOD POLE, 50 FT., CLASS 4, 15 FT. MAST ARM	EACH	6
X8100105	CONDUIT SPLICE	EACH	2
X8210005	TEMPORARY LUMINAIRE, HIGH PRESSURE SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	10
X8360215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	24
X8250060	TEMPORARY LIGHTING CONTROLLER	EACH	1
XX009164	REMOVE EXISTING LIGHTING UNIT, SALVAGE LUMINAIRE	EACH	2
Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	8

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	DRAWN - SJC	REVISED -
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PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL ROUTE 31 (BATAVIA AVENUE)  
LIGHTING SCHEDULE

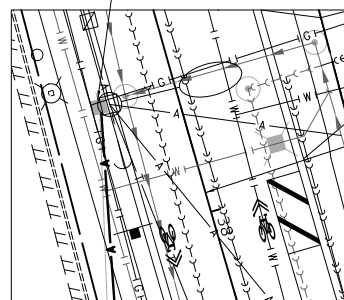
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	12-00073-02-FP	KANE	207	133
CONTRACT NO. 61F32			ILLINOIS FED. AID PROJECT	

**NOTE**

1. AERIAL CABLE SHALL BE DISCONNECTED AND REMOVED BETWEEN THE EXISTING LIGHT POLE TO REMAIN AT THE SE CORNER OF ELM STREET AND IL ROUTE 31 AND THE LIGHT POLE TO BE REMOVED AT STA. 100+65 (LT). THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE PAY ITEM REMOVE EXISTING LIGHTING UNIT, SALVAGE LUMINAIRE.

TEMPORARY ELECTRIC SERVICE INSTALLATION



DETAIL A

TEMPORARY LIGHTING CONTROLLER (SEE DETAIL A FOR POWER SOURCE)

TEMPORARY COMBINATION POLE LUMINAIRE CKT. B SEE TRAFFIC SIGNAL PLANS

MATCH LINE STA. 104+00 (SEE ABOVE)

AERIAL CABLE, 2-1/C NO. 6 WITH MESSENGER WIRE (TYP.)

TEMPORARY WOOD POLE, 40 FT., CLASS 4

TEMPORARY COMBINATION POLE LUMINAIRE CKT. B SEE TRAFFIC SIGNAL PLANS

MAIN STREET

MAIN STREET

AERIAL CABLE, 2-1/C NO. 6 WITH MESSENGER WIRE (TYP.)

TEMPORARY COMBINATION POLE LUMINAIRE CKT. A SEE TRAFFIC SIGNAL PLANS

REMOVE EXISTING HANDHOLE

TEMPORARY WOOD POLE, 40 FT., CLASS 4

TEMPORARY COMBINATION POLE LUMINAIRE CKT. A SEE TRAFFIC SIGNAL PLANS

REMOVE ELECTRIC CABLE FROM CONDUIT (TYP.)

AERIAL CABLE, 2-1/C NO. 6 WITH MESSENGER WIRE (TYP.)

TEMPORARY WATERPROOF UNDERGROUND SPLICING OF EXISTING CABLES (SEE NOTE 2)

RELOCATE EXISTING LIGHTING UNIT; REMOVAL OF POLE FOUNDATION

REMOVE EXISTING HANDHOLE

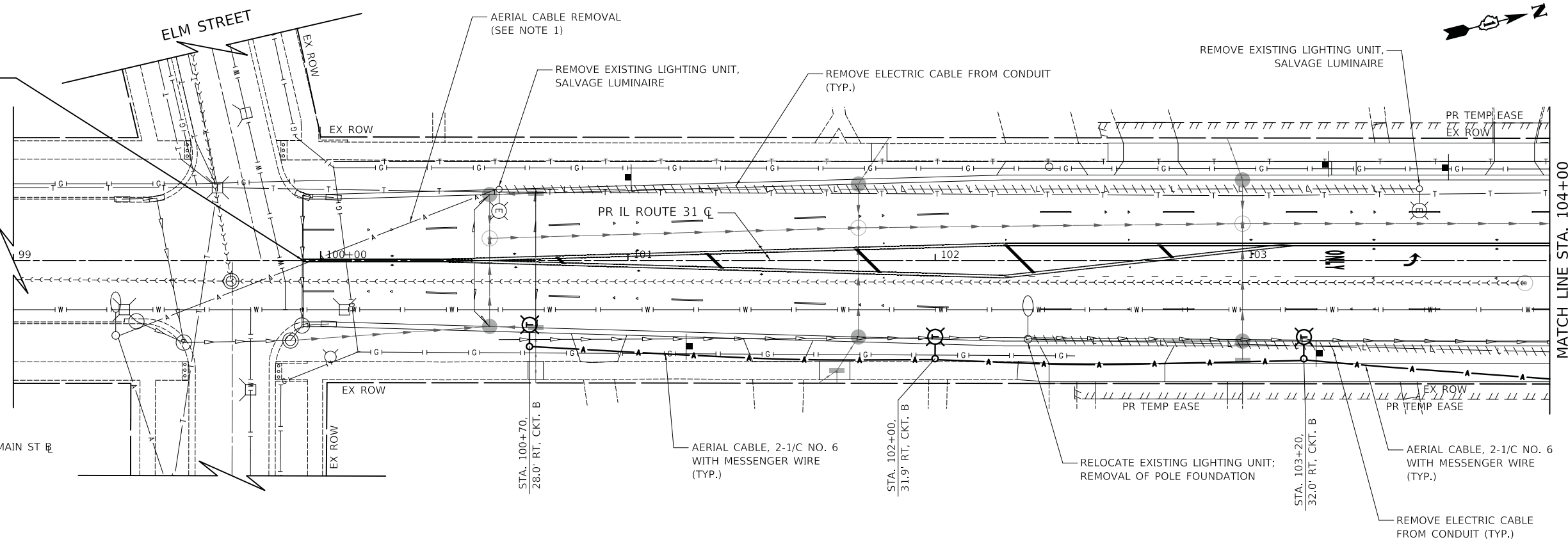
RELOCATE EXISTING LIGHTING UNIT; REMOVAL OF POLE FOUNDATION

RELOCATE EXISTING LIGHTING UNIT; REMOVAL OF POLE FOUNDATION

END ROADWAY RECONSTRUCTION STA. 107+80

**NOTE**

2. WATERPROOF SPLICE KIT SHALL BE USED FOR TEMPORARY UNDERGROUND SPLICING OF EX. CONDUCTORS TO RECONNECT POWER TO EX. LIGHT BETWEEN BUILDING ADDRESS 129 AND 125 BATAVIA AVENUE. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED AS MAINTENANCE OF LIGHTING SYSTEM.



MATCH LINE STA. 104+00 (SEE BELOW)

PLOT DRIVER = ...  
PEN TABLE = ...  
FILE NAME = ...



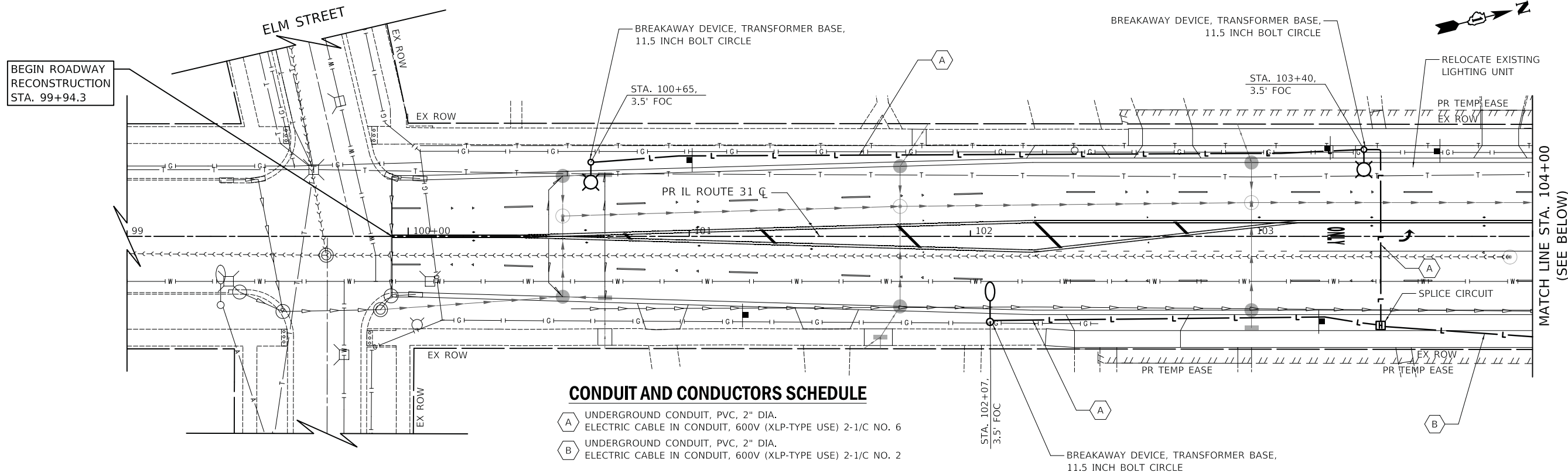
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PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL ROUTE 31 (BATAVIA AVENUE)  
TEMPORARY LIGHTING PLAN

SCALE: 1" = 20' SHEET OF SHEETS STA. 99+94.3 TO STA. 107+80

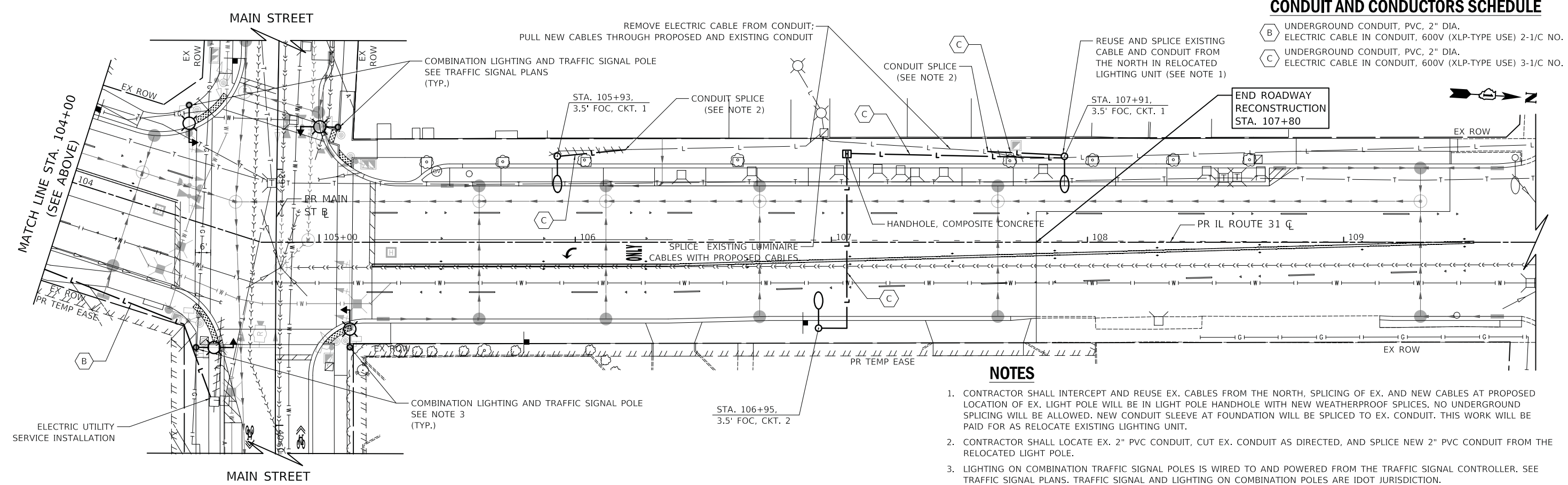
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	12-00073-02-FP	KANE	207	134
CONTRACT NO. 61F32			ILLINOIS FED. AID PROJECT	



**CONDUIT AND CONDUCTORS SCHEDULE**

A UNDERGROUND CONDUIT, PVC, 2" DIA.  
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 2-1/C NO. 6

B UNDERGROUND CONDUIT, PVC, 2" DIA.  
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 2-1/C NO. 2



**CONDUIT AND CONDUCTORS SCHEDULE**

B UNDERGROUND CONDUIT, PVC, 2" DIA.  
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 2-1/C NO. 2

C UNDERGROUND CONDUIT, PVC, 2" DIA.  
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 2

- NOTES**
- CONTRACTOR SHALL INTERCEPT AND REUSE EX. CABLES FROM THE NORTH, SPlicing OF EX. AND NEW CABLES AT PROPOSED LOCATION OF EX. LIGHT POLE WILL BE IN LIGHT POLE HANDHOLE WITH NEW WEATHERPROOF SPLICES. NO UNDERGROUND SPlicing WILL BE ALLOWED. NEW CONDUIT SLEEVE AT FOUNDATION WILL BE SPliced TO EX. CONDUIT. THIS WORK WILL BE PAID FOR AS RELOCATE EXISTING LIGHTING UNIT.
  - CONTRACTOR SHALL LOCATE EX. 2" PVC CONDUIT, CUT EX. CONDUIT AS DIRECTED, AND SPlicing NEW 2" PVC CONDUIT FROM THE RELOCATED LIGHT POLE.
  - LIGHTING ON COMBINATION TRAFFIC SIGNAL POLES IS WIRED TO AND POWERED FROM THE TRAFFIC SIGNAL CONTROLLER. SEE TRAFFIC SIGNAL PLANS. TRAFFIC SIGNAL AND LIGHTING ON COMBINATION POLES ARE IDOT JURISDICTION.

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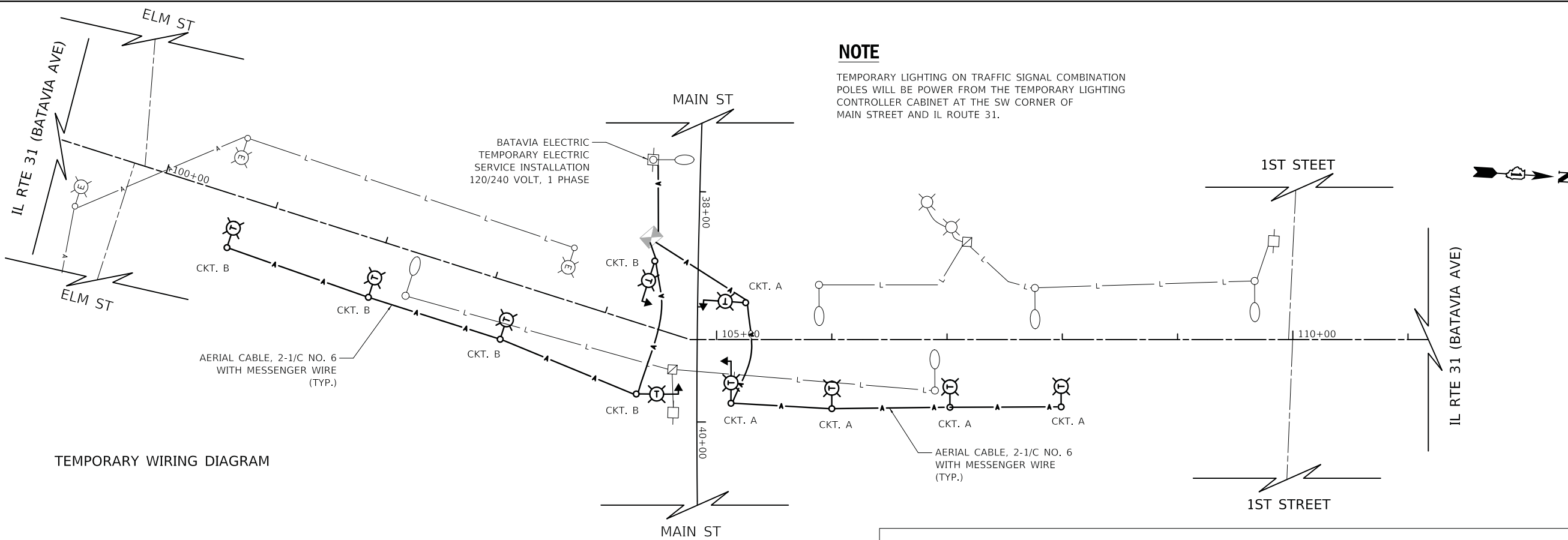
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PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL ROUTE 31 (BATAVIA AVENUE)  
PROPOSED LIGHTING PLAN

SCALE: 1" = 20' SHEET OF SHEETS STA. 99+94.3 TO STA. 107+80

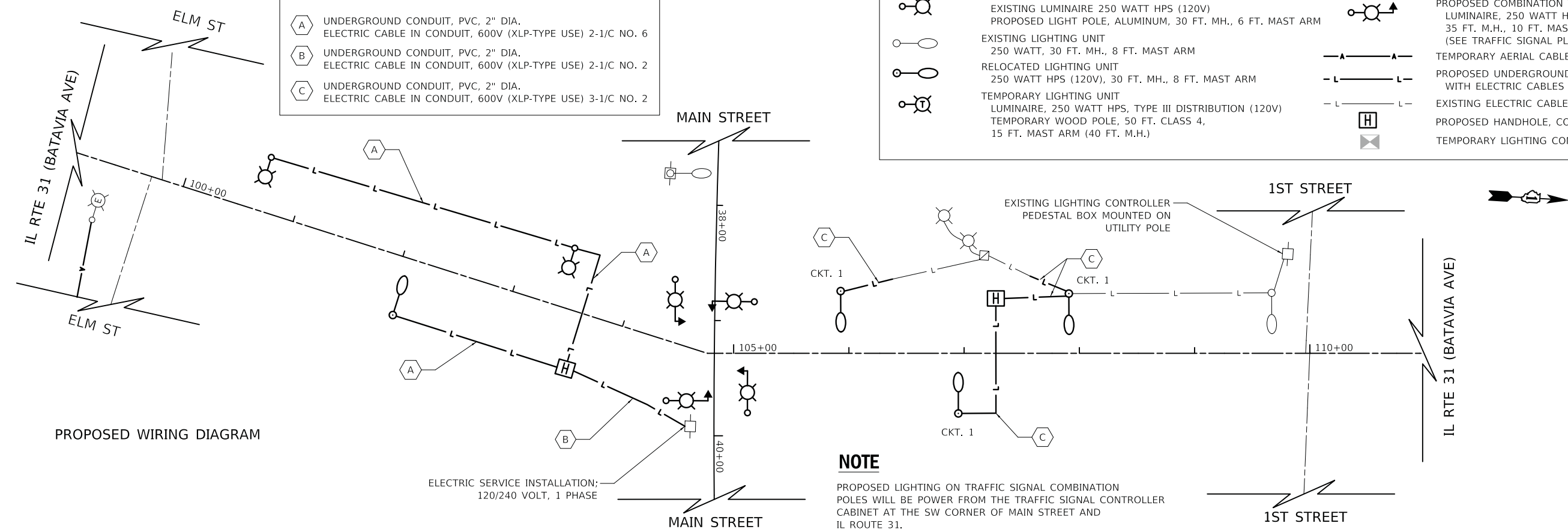
F.A.U. RTE. 3887	SECTION 12-00073-02-FP	COUNTY KANE	TOTAL SHEETS 207	SHEET NO. 135
CONTRACT NO. 61F32			ILLINOIS FED. AID PROJECT	



TEMPORARY WIRING DIAGRAM

**CONDUIT AND CONDUCTORS SCHEDULE**

- (A) UNDERGROUND CONDUIT, PVC, 2" DIA.  
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 2-1/C NO. 6
- (B) UNDERGROUND CONDUIT, PVC, 2" DIA.  
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 2-1/C NO. 2
- (C) UNDERGROUND CONDUIT, PVC, 2" DIA.  
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 2



PROPOSED WIRING DIAGRAM

**NOTE**

TEMPORARY LIGHTING ON TRAFFIC SIGNAL COMBINATION POLES WILL BE POWER FROM THE TEMPORARY LIGHTING CONTROLLER CABINET AT THE SW CORNER OF MAIN STREET AND IL ROUTE 31.

**LEGEND**

- EXISTING LIGHTING UNIT  
250 WATT, 30 FT. MH. CONCRETE POLE, 6 FT. MAST ARM
- PROPOSED LIGHTING UNIT  
EXISTING LUMINAIRE 250 WATT HPS (120V)  
PROPOSED LIGHT POLE, ALUMINUM, 30 FT. MH., 6 FT. MAST ARM
- EXISTING LIGHTING UNIT  
250 WATT, 30 FT. MH., 8 FT. MAST ARM
- RELOCATED LIGHTING UNIT  
250 WATT HPS (120V), 30 FT. MH., 8 FT. MAST ARM
- TEMPORARY LIGHTING UNIT  
LUMINAIRE, 250 WATT HPS, TYPE III DISTRIBUTION (120V)  
TEMPORARY WOOD POLE, 50 FT. CLASS 4,  
15 FT. MAST ARM (40 FT. M.H.)
- TEMPORARY COMBINATION TRAFFIC SIGNAL AND STREET LIGHT  
LUMINAIRE, 250 WATT HPS, TYPE III DISTRIBUTION (120V)  
40 FT. M.H., 15 FT. MAST ARM
- PROPOSED COMBINATION TRAFFIC SIGNAL AND STREET LIGHT  
LUMINAIRE, 250 WATT HPS, TYPE III DISTRIBUTION (120V)  
35 FT. M.H., 10 FT. MAST ARM  
(SEE TRAFFIC SIGNAL PLANS)
- TEMPORARY AERIAL CABLE
- PROPOSED UNDERGROUND PVC CONDUIT  
WITH ELECTRIC CABLES (SIZE AS SPECIFIED IN PLANS)
- EXISTING ELECTRIC CABLE IN CONDUIT
- PROPOSED HANDHOLE, COMPOSITE CONCRETE
- TEMPORARY LIGHTING CONTROLLER

**NOTE**

PROPOSED LIGHTING ON TRAFFIC SIGNAL COMBINATION POLES WILL BE POWER FROM THE TRAFFIC SIGNAL CONTROLLER CABINET AT THE SW CORNER OF MAIN STREET AND IL ROUTE 31.

PLOT DRIVER = ...  
PEN TABLE = ...  
FILE NAME = ...



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	DRAWN - SJC	REVISED -
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

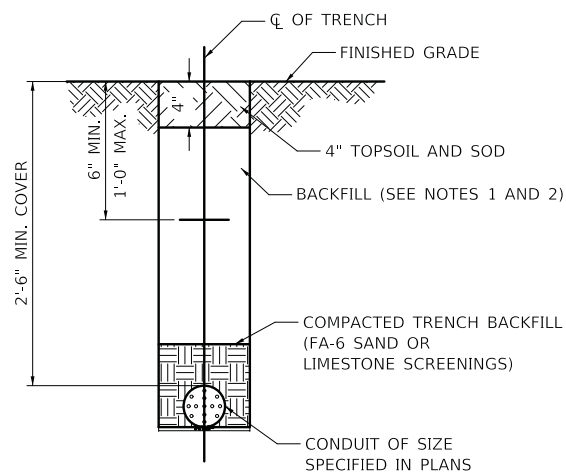
IL ROUTE 31 (BATAVIA AVENUE)  
LIGHTING WIRING DIAGRAM

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

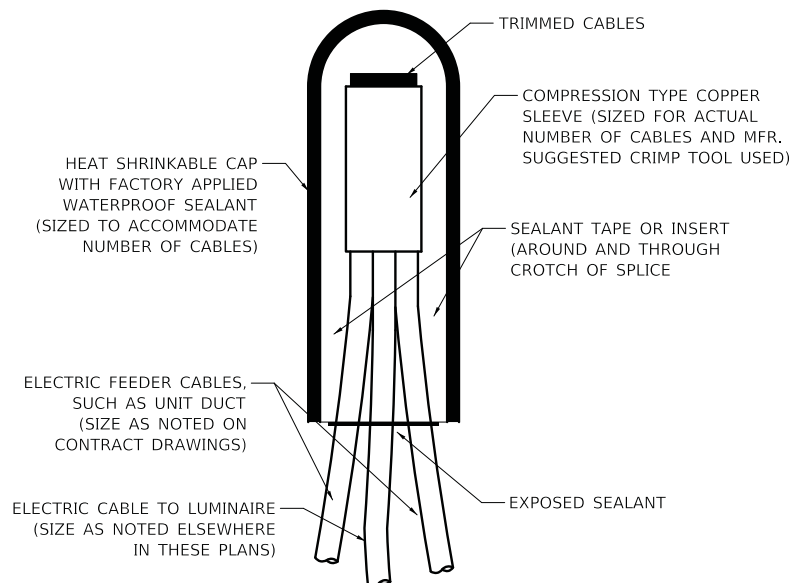
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	12-00073-02-FP	KANE	207	136
CONTRACT NO. 61F32			ILLINOIS FED. AID PROJECT	

**NOTES:**

1. IN GRASS COVERED AREAS, THE BACKFILL MAY BE COMPACTED EARTH.
2. TRENCHES WITHIN 2' OF PROPOSED OR EXISTING STREETS, DRIVEWAYS, OR SIDEWALKS WILL BE BACKFILLED WITH COMPACTED FA-6 SAND OR LIMESTONE SCREENINGS.
3. WARNING TAPE WILL BE RED WITH BLACK LETTERING TO READ "CAUTION - ELECTRIC LINE BURIED BELOW".
4. ALL GRASS COVERED AREAS DISTURBED DURING CONSTRUCTION WILL BE RESTORED WITH 4" OF TOPSOIL AND SOD.

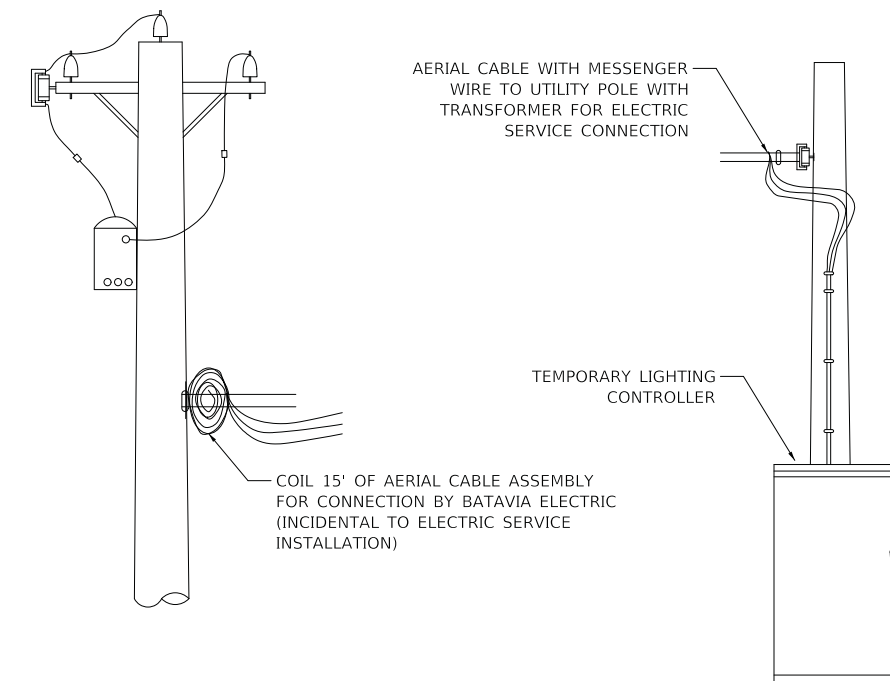


**TYPICAL TRENCH CROSS SECTION**

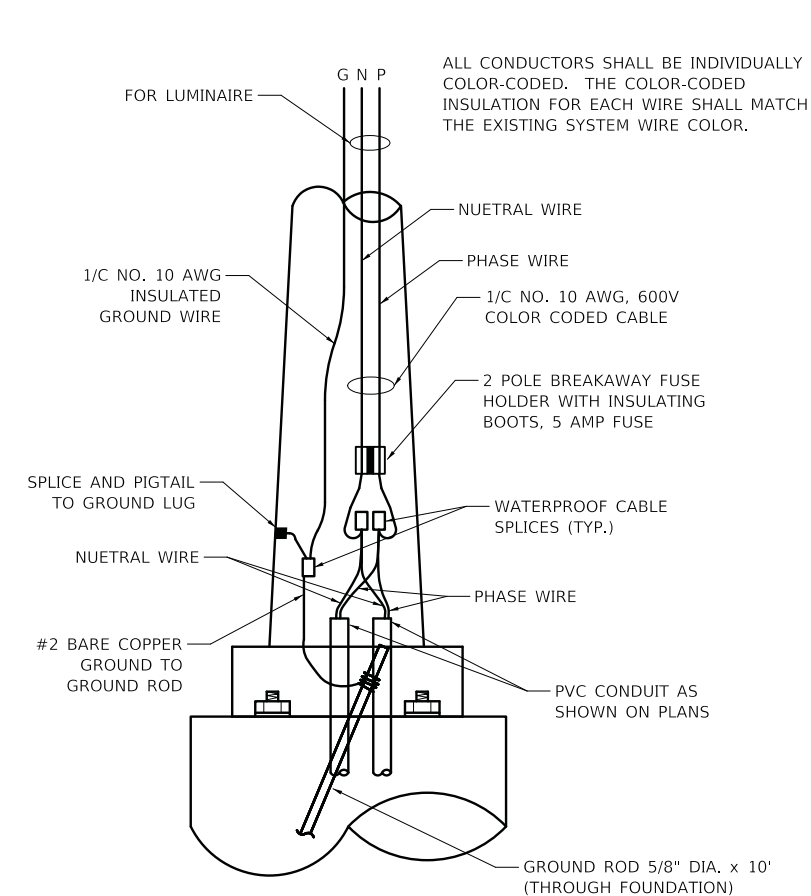


NOTE: NUMBER OF CABLES IN SPLICE MAY VARY

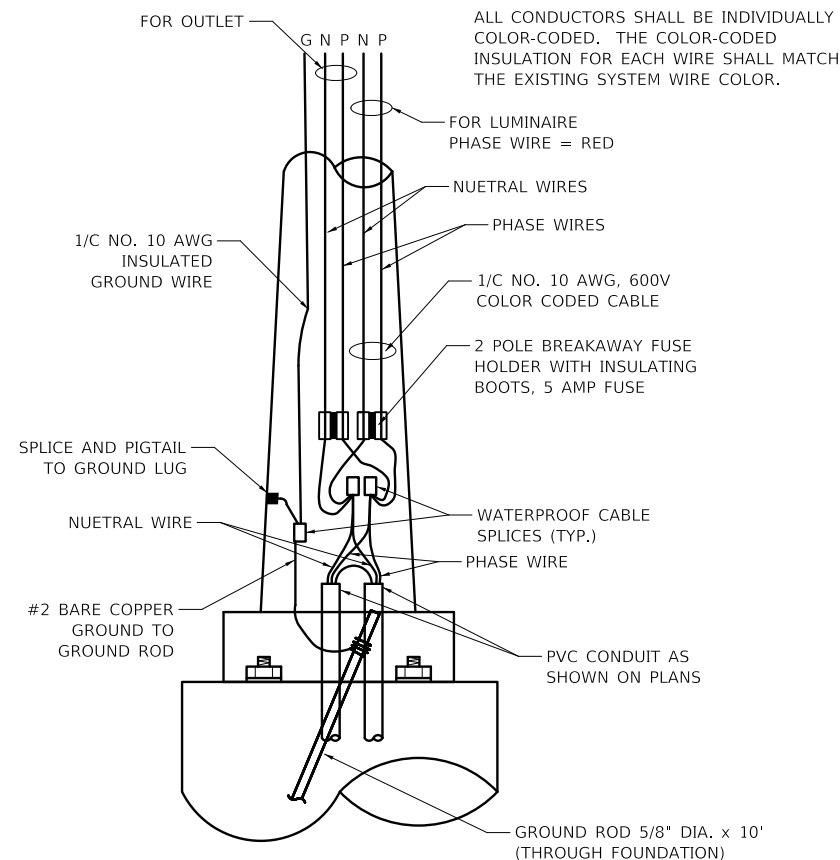
**SPlicing ELECTRIC CABLE  
BASIC MATERIALS AND METHODS**



**TEMPORARY ELECTRIC SERVICE CONNECTION**

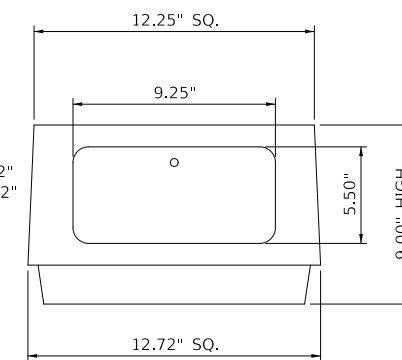


**ROADWAY POLE HANDHOLE WIRING DIAGRAM**

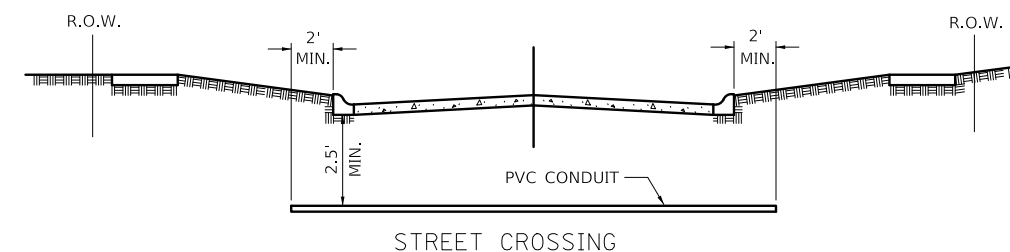


**ROADWAY POLE HANDHOLE WIRING DIAGRAM  
WITH OUTLETS**

- NOTES:  
TOP BOLT CIRCLE IS 10 1/2" TO 12"  
BOTTOM BOLT CIRCLE IS 10" TO 12"  
MEET 1985 AASHTO REQUIREMENTS



**TRANSFORMER BASE (BREAKWAY DEVICE)**



- ① CONDUIT SHALL BE HEAVY WALL RIGID G.S. CONDUIT.
- ② CONDUIT SHALL EXTEND A MINIMUM OF 2 FT. BEYOND BACK OF CURB.
- ③ CONDUIT SHALL BE A MINIMUM OF 2.5 FT. BELOW BOTTOM OF CURB.

**ELECTRICAL CONDUIT UNDER PAVEMENT**

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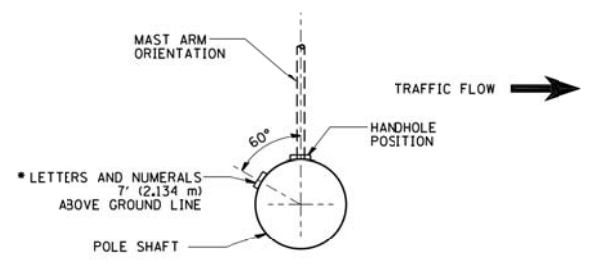
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

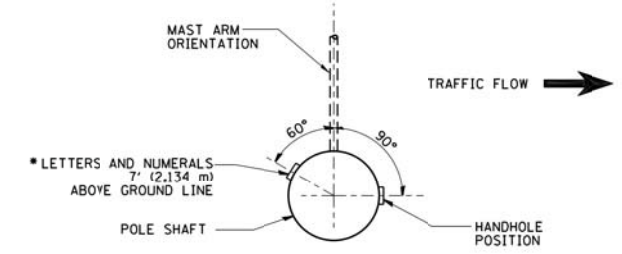
IL ROUTE 31 (BATAVIA AVENUE)  
LIGHTING DETAILS

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

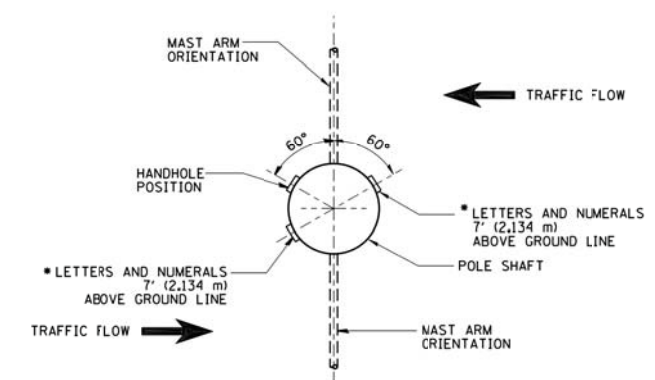
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	12-00073-02-FP	KANE	207	137
CONTRACT NO. 61F32			ILLINOIS FED. AID PROJECT	



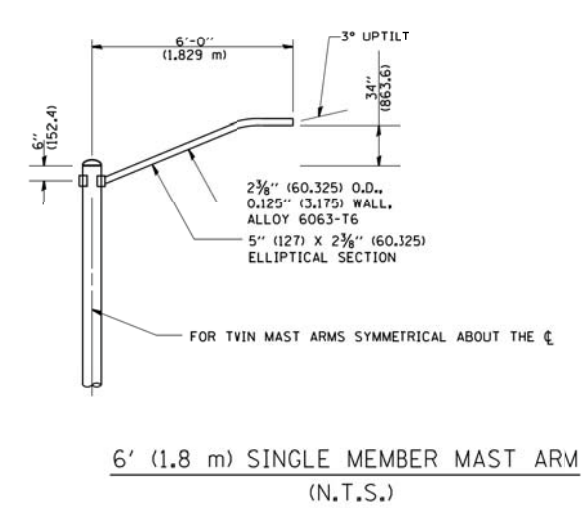
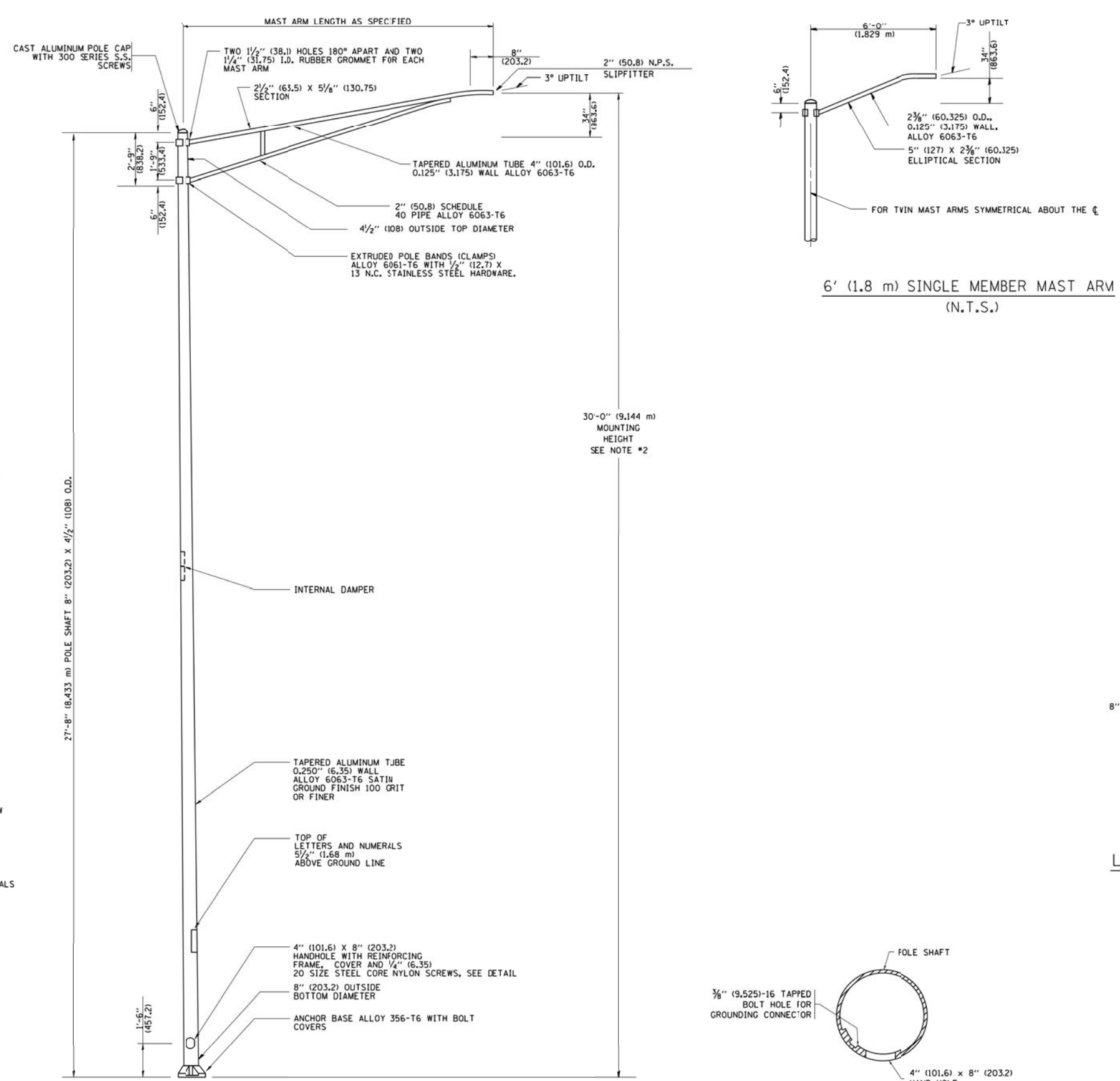
POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES MOUNTED ON BRIDGE PARAPET OR BARRIER WALL



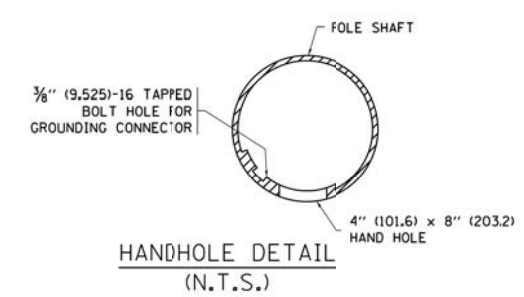
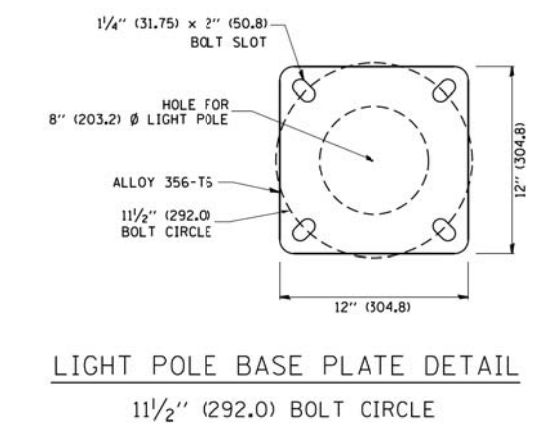
POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES



POSITION OF HANDHOLE AND POLE NUMBER FOR TWIN MAST ARM POLES



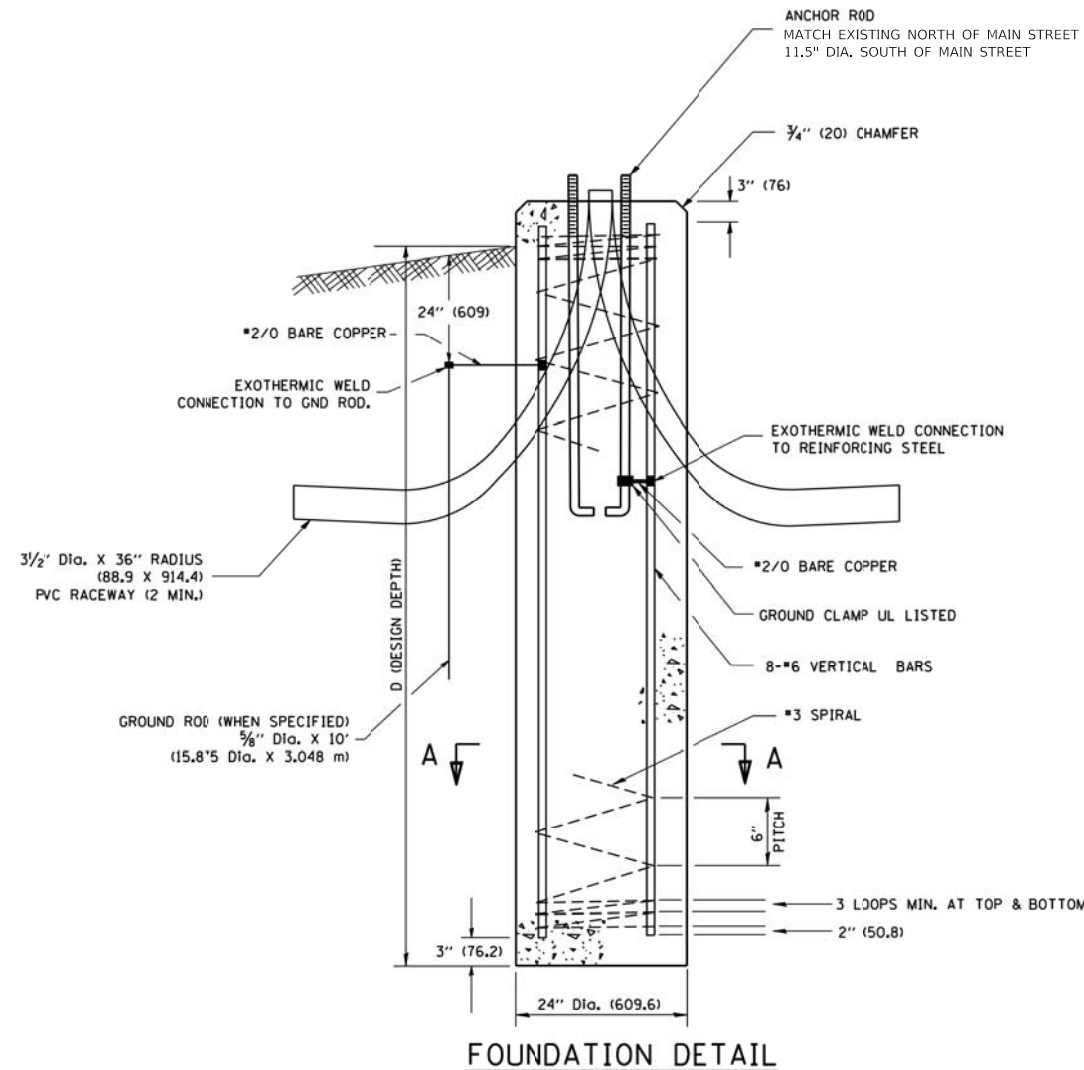
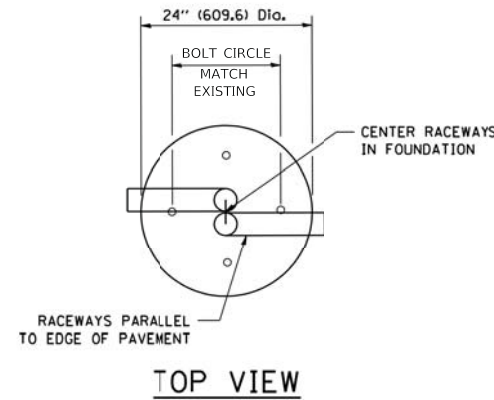
- NOTES:**
1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
  2. MOUNTING HEIGHT IS DEFINED AS THE DISTANCE FROM THE CENTERLINE OF THE TEMON TO THE BOTTOM OF THE ANCHOR BASE.
  3. THE LIGHT POLE WILL MEET AASHTO DESIGN CRITERIA AS SPECIFIED.
  4. THE INSTALLING CONTRACTOR WILL PROVIDE A UL LISTED GROUNDING CONNECTOR, BURNDY K2C23, T&B SPADL OR APPROVED EQUAL.
  5. LIGHT POLES WILL NOT BE INSTALLED WITHOUT MAST ARMS AND LUMINAIRES.
  6. LIGHT POLES WILL BE SET PLUMB ON THE FOUNDATION WITHOUT THE USE OF LEVELING NUTS, WASHERS OR SHIMS.
  7. LIGHTING UNIT IDENTIFICATION NUMBERS SHALL BE INSTALLED BEFORE THE LIGHTING UNIT IS ENERGIZED.



FILE NAME =	USER NAME = lryso	DESIGNED -	REVISED - R. TOMSONS 09-02-03	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ALUMINUM LIGHT POLE 30'-0" (9.144 m) MOUNTING HEIGHT</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\l\l084EBIDINTE\illinois\gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\Dist		DRAWN\CADData\CADsheets\be403.dgn	REVISED - R. TOMSONS 01-18-13		3887	12-00073-02-FP	KANE	207	138			
Default	PLOT SCALE = 50.000' / in.	CHECKED -	REVISED -		<b>BE-403</b>			<b>CONTRACT NO. 61F32</b>				
	PLOT DATE = 9/26/2018	DATE -	REVISED -		SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.		ILLINOIS/FED. AID PROJECT					

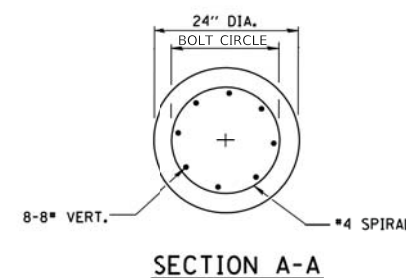
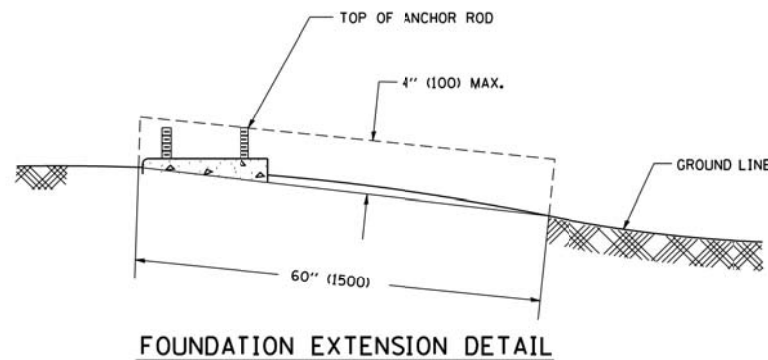
**LIGHT POLE FOUNDATION DEPTH TABLE**  
**30 FT. (9.144 m) TO 35 FT. (10.668 m) MOUNTING HEIGHT**

SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY O <sub>u</sub> = 0.375 TON/SO. FT.	11'-0" (3.35 m)	12'-8" (3.85 m)
MEDIUM CLAY O <sub>u</sub> = 0.75 TON/SO. FT.	9'-0" (2.74 m)	11'-10" (3.61 m)
STIFF CLAY O <sub>u</sub> = 1.50 TON/SO. FT.	7'-6" (2.29 m)	9'-7" (2.91 m)
LOOSE SAND φ = 34°	9'-6" (2.90 m)	10'-7" (3.22 m)
MEDIUM SAND φ = 37.5°	9'-0" (2.74 m)	9'-10" (2.99 m)
DENSE SAND φ = 40°	8'-3" (2.51 m)	9'-7" (2.91 m)



**NOTES**

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 4 IN. (100 mm) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
- THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
- THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 3/4-IN. (20 mm).
- THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UM(6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
- THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
- ANCHOR RODS SHALL PROJECT 2 3/4" (69.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
- THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
- THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
- THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.



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	DATE - 11/06/19	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 31 (BATAVIA AVENUE)**  
**LIGHTING DETAILS**

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

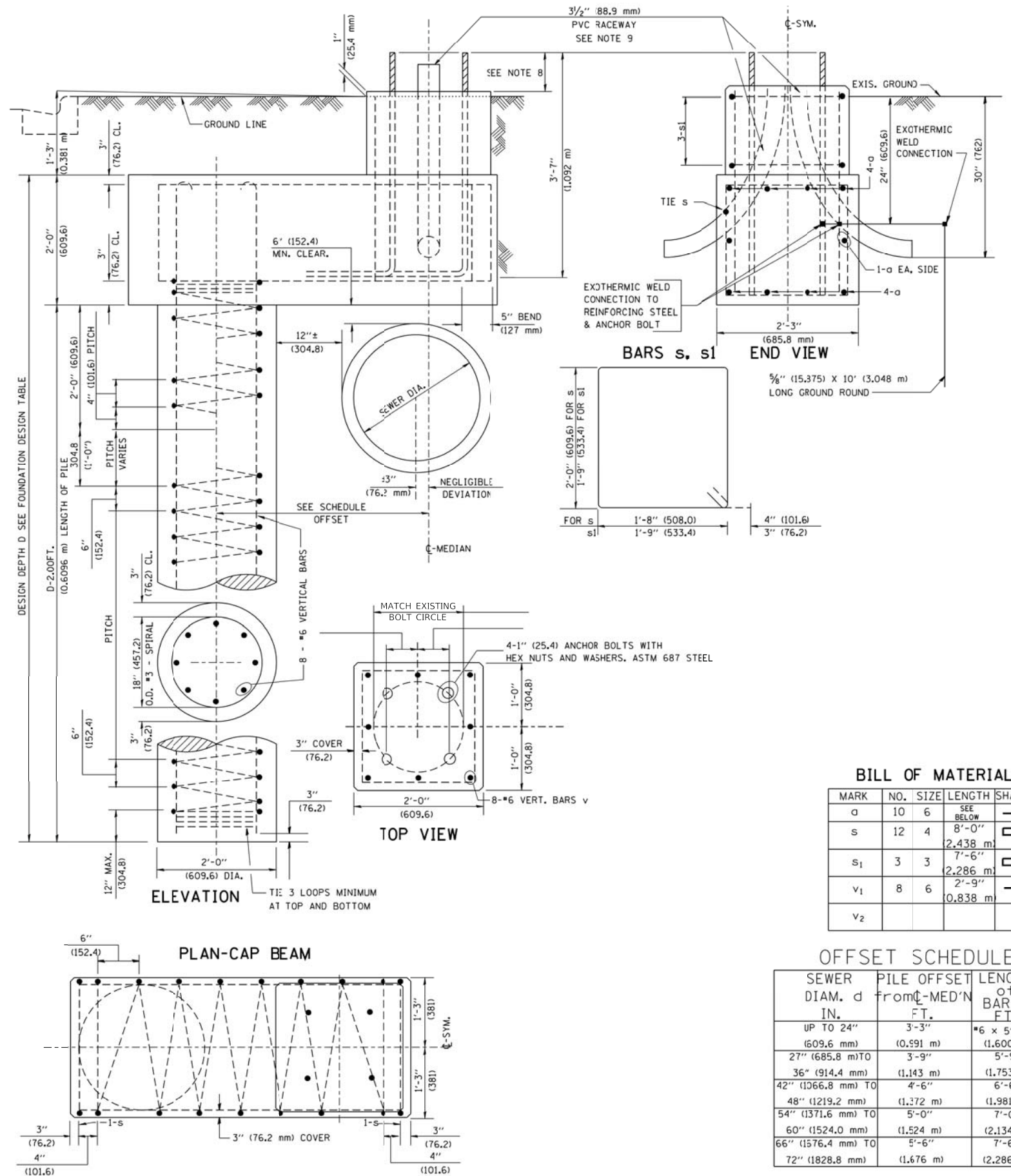
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	12-00073-02-FP	KANE	207	139
				CONTRACT NO. 61F32
ILLINOIS FED. AID PROJECT				

FOUNDATION DESIGN TABLE

TYPE OF SOIL	DESIGN DEPTH OF FOUNDATION		REINFORCEMENT IN FOUNDATION			
	SINGLE ARM D	TWIN ARM D	SINGLE ARM		TWIN ARM	
			VERT BARS	SPIRAL	VERT BARS	SPIRAL
SOFT CLAY	13'-0" (3.962 m)	15'-0" (4.572 m)	8-#6X12'-6" (3.810 m)	#3X122' (37.185 m)	8-#6X14'-3" (4.343 m)	#3X141' (42.977 m)
MEDIUM CLAY	9'-6" (2.896 m)	10'-9" (3.277 m)	8-#6X9'-0" (2.743 m)	#3X30' (27.432 m)	8-#6X10'-0" (3.048 m)	#3X100' (30.480 m)
STIFF CLAY	7'-0" (2.134 m)	8'-0" (2.438 m)	8-#6X6'-6" (1.981 m)	#3X56' (20.112 m)	8-#6X7'-6" (2.286 m)	#3X76' (23.165 m)
LOOSE SAND	9'-0" (2.743 m)	10'-0" (3.048 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)	8-#6X9'-6" (2.896 m)	#3X94' (28.651 m)
MEDIUM SAND	8'-3" (2.515 m)	9'-0" (2.743 m)	8-#6X8'-0" (2.438 m)	#3X78' (23.774 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
DENSE SAND	7'-9" (2.362 m)	9'-0" (2.743 m)	8-#6X7'-6" (2.286 m)	#3X73' (22.250 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
ROCK OR SOLIDIFIED SLAG	5'-0" (1.524 m)	5'-0" (1.524 m)	NONE	NONE	NONE	NONE

NOTES

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ENGINEER SHALL DETERMINE THE CLASS OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF FOUNDATION FROM THE DESIGN TABLE.
- EXCAVATION OF THE POLE FOUNDATION SHALL BE MADE WITH AN AUGER, 24" (609.6 mm) OR 30" (762.0 mm) IN DIAMETER.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORM.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 1C5). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF FOUNDATION WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS. IF LIGHT POLE IS MOUNTED WITHOUT BREAKAWAY DEVICE, ANCHOR BOLTS SHALL PROJECT 2 3/4" (69.9 mm) ABOVE TOP OF THE FOUNDATION. THE CONTRACTOR SHALL CONFIRM ANCHOR BOLT EXTENTION WITH ENGINEER.
- RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.
- THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT IS ERECTED.



BILL OF MATERIAL

MARK	NO.	SIZE	LENGTH	SHAPE
a	10	6	SEE BELOW	—
s	12	4	8'-0" 2,438 m	□
s1	3	3	7'-6" 2,286 m	□
v1	8	6	0.838 m	—
v2				

OFFSET SCHEDULE

SEWER DIAM. d	PILE OFFSET FROM C-MED'N IN.	LENGTH OF BAR a FT.
UP TO 24" (609.6 mm)	3'-3" (0.991 m)	#6 x 5'-3" (1.600 m)
27" (685.8 mm) TO	3'-9" (1.143 m)	5'-9" (1.753 m)
36" (914.4 mm) TO	4'-6" (1.372 m)	6'-6" (1.981 m)
48" (1219.2 mm) TO	5'-0" (1.524 m)	7'-0" (2.134 m)
60" (1524.0 mm) TO	5'-6" (1.676 m)	7'-6" (2.286 m)
66" (1576.4 mm) TO		
72" (1828.8 mm)		

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	DATE - 11/06/19	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

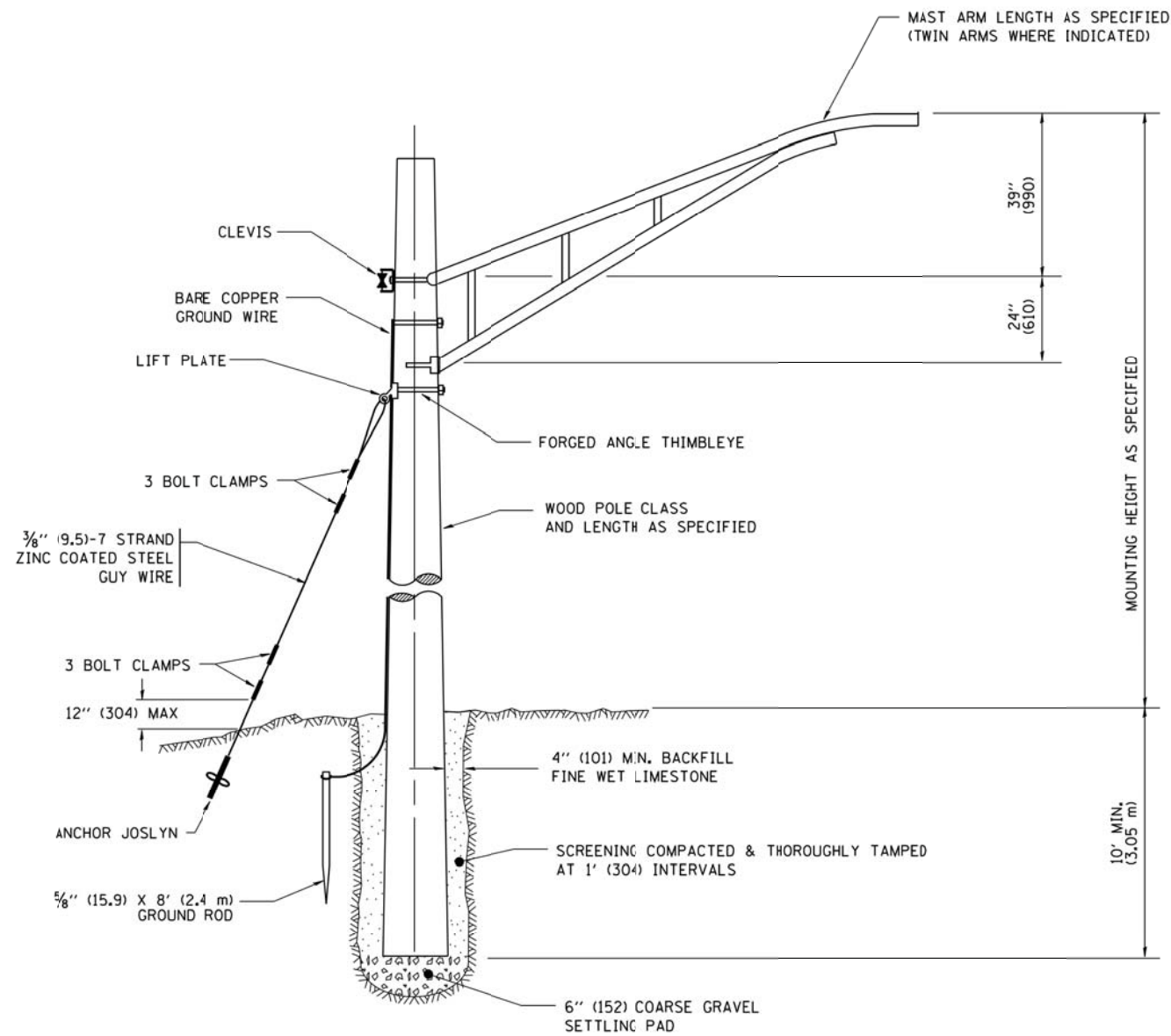
IL ROUTE 31 (BATAVIA AVENUE)  
LIGHTING DETAILS

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

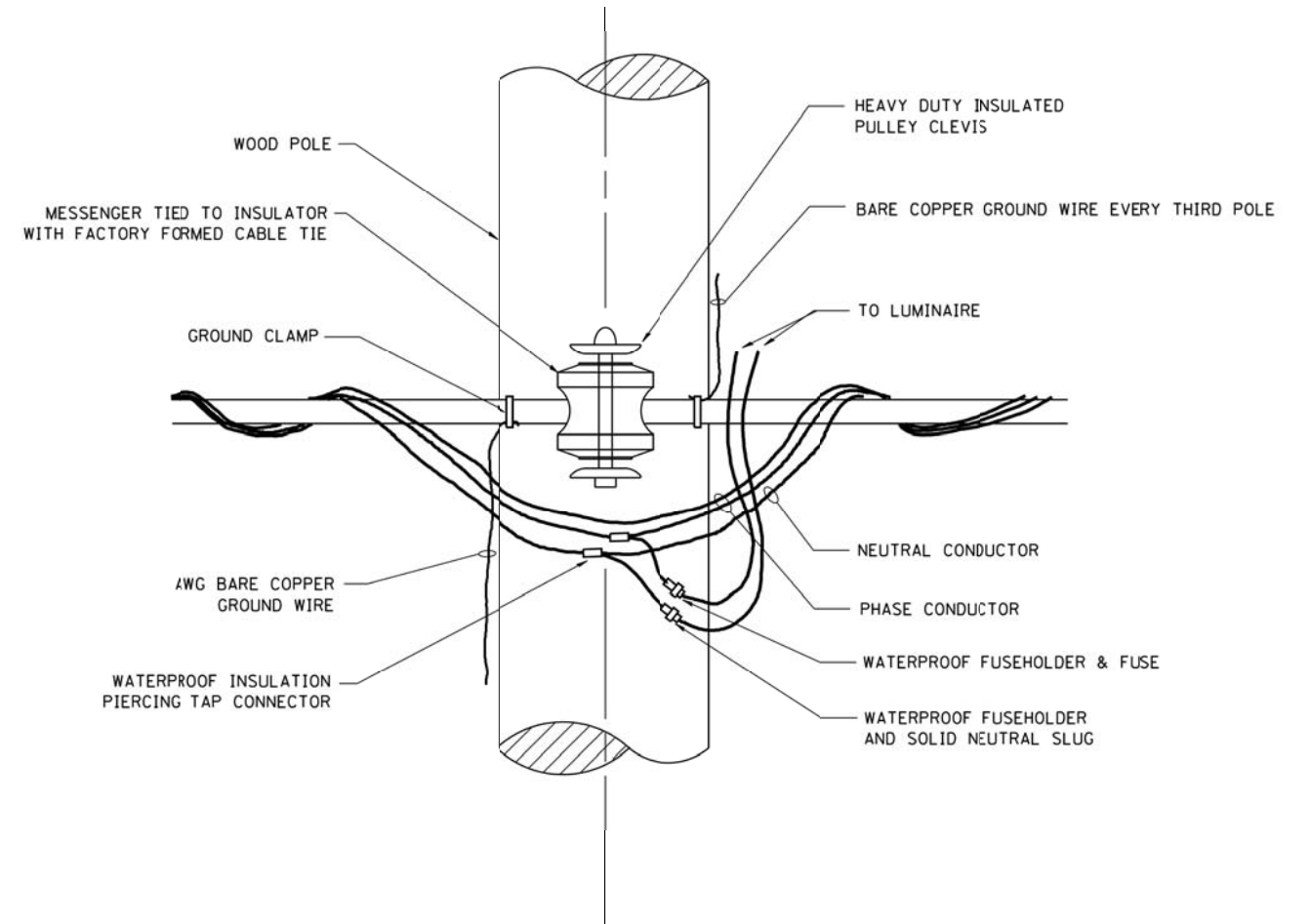
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	12-00073-02-FP	KANE	207	140
CONTRACT NO. 61F32			ILLINOIS FED. AID PROJECT	

6/16/2008  
K:\dlstatd22x34\be310.dgn  
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TEMPORARY LIGHT POLE DETAIL

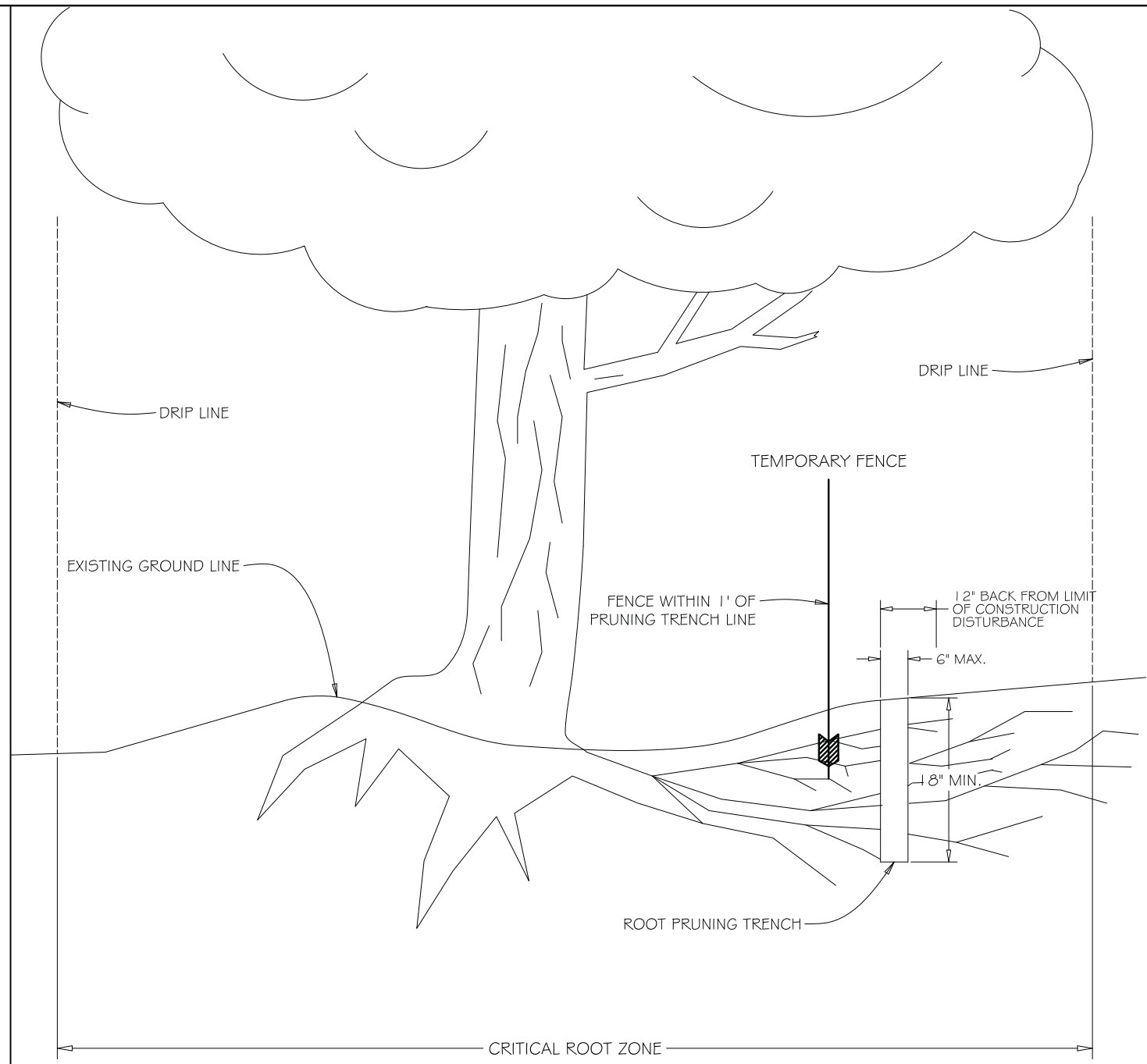


TEMPORARY LIGHT POLE ATTACHMENT DETAIL

**NOTES:**

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED

FILE NAME = W:\diststd\22x34\be800.dgn	USER NAME = goglienobt	DESIGNED -	REVISED - 08-08-03	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TEMPORARY LIGHT POLE DETAILS</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	3887	12-00073-02-FP	KANE	207
PLOT DATE = 1/4/2008	DATE -	REVISED -						<b>BE-800</b>		<b>CONTRACT NO. 61F32</b>		
								FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-CNM-8003(051)				

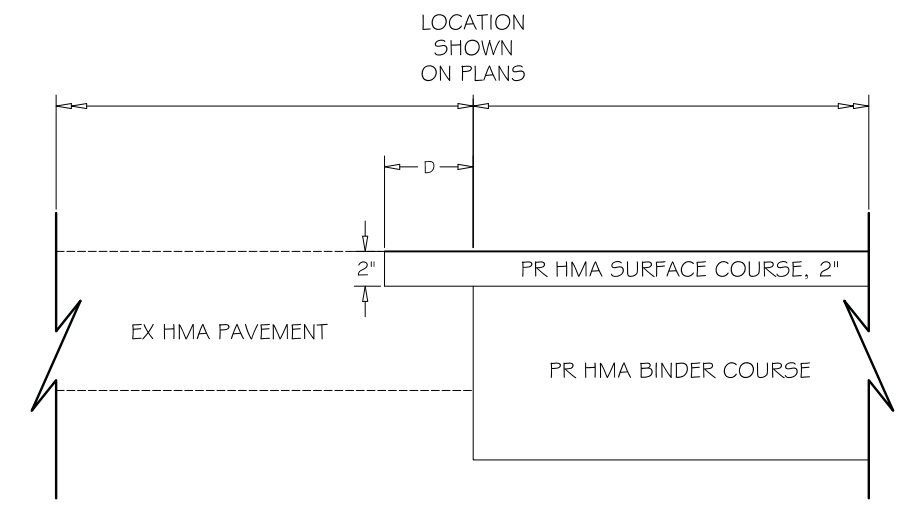


**GENERAL NOTES:**

1. EXACT LOCATION OF ROOT PRUNING TO BE AS SPECIFIED BY ENGINEER OR CITY REPRESENTATIVE.
2. BACKFILL ROOT PRUNING TRENCH IMMEDIATELY FOLLOWING COMPLETION OF PRUNING ACTIVITIES.
3. ROOT PRUNING ACTIVITIES AND THE PLACEMENT OF PROTECTIVE FENCING SHALL BE COORDINATED SO THAT BOTH SHALL BE COMPLETED AT EACH LOCATION WITHIN A 48 HOUR PERIOD.
4. UNDER NO CIRCUMSTANCES SHALL CONSTRUCTION PROCEED PRIOR TO THE COMPLETION OF ROOT PRUNING AND THE PLACEMENT OF PROTECTIVE FENCING, NOR SHALL FENCING BE REMOVED WITHOUT PRIOR AUTHORIZATION FROM THE ENGINEER OR CITY REPRESENTATIVE.

NOT TO SCALE

**TREE AND BUSH ROOT PRUNING**



**PROPOSED HMA BUTT JOINT**

**GENERAL NOTES:**

1. SEE ROADWAY PLANS FOR LOCATION OF BUTT JOINT AND DIMENSION "D".
2. THE 2" REMOVAL OF EXISTING HMA SURFACE COURSE SHALL BE PAID FOR AS "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT".
3. FOR RESURFACING AREAS AND FOR TEMPORARY RAMP, SEE IDOT DISTRICT ONE DETAIL BD-32 "BUTT JOINT AND HMA TAPER DETAILS".

NOT TO SCALE

**HOT-MIX ASPHALT BUTT JOINT (RECONSTRUCTION AREAS)**

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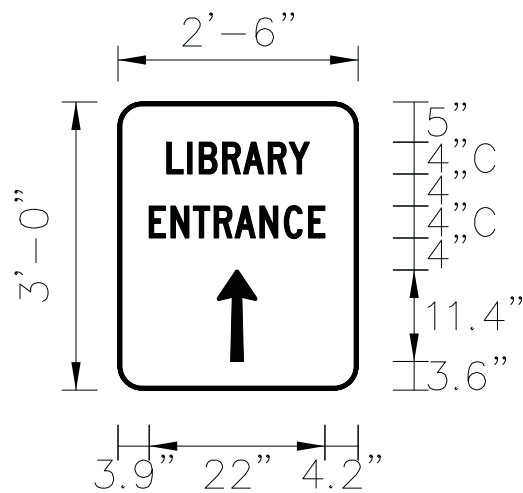
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**MAIN STREET RECONSTRUCTION  
 CONSTRUCTION DETAILS**

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

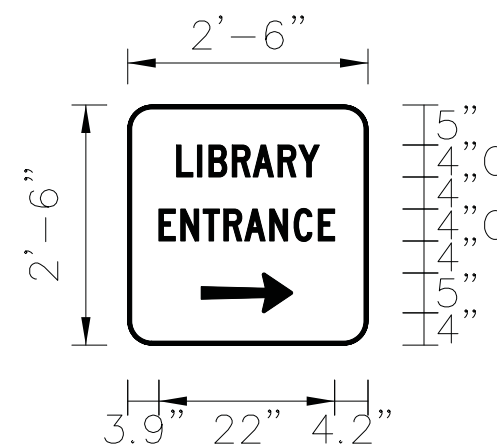
F.A.P. F.A.U. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
24/144 12-00073-02-FP	KANE	207	142
CONTRACT NO. 61F32			
ILLINOIS FED. AID PROJECT			



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

**NOTES:**

1. PLANS SHOW DIRECTION OF ARROW
2. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING"



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

**NOTES:**

1. PLANS SHOW DIRECTION OF ARROW
2. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING"

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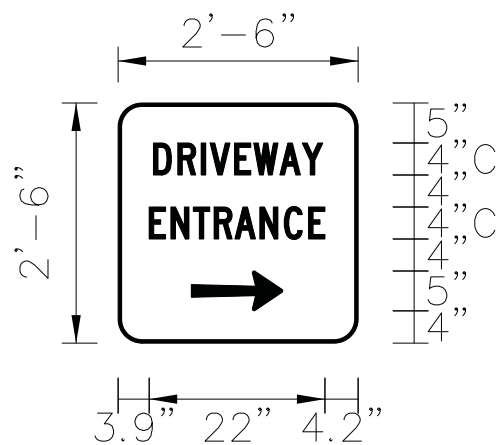
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PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

MAIN STREET RECONSTRUCTION  
 LIBRARY ENTRANCE SIGNING DETAILS

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

F.A.P. RTE.	F.A.U. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
524/1442	12-00073-02-FP	KANE	207	143
CONTRACT NO. 61F32			ILLINOIS FED. AID PROJECT	



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

**NOTES:**

1. PLANS SHOW DIRECTION OF ARROW
2. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING"

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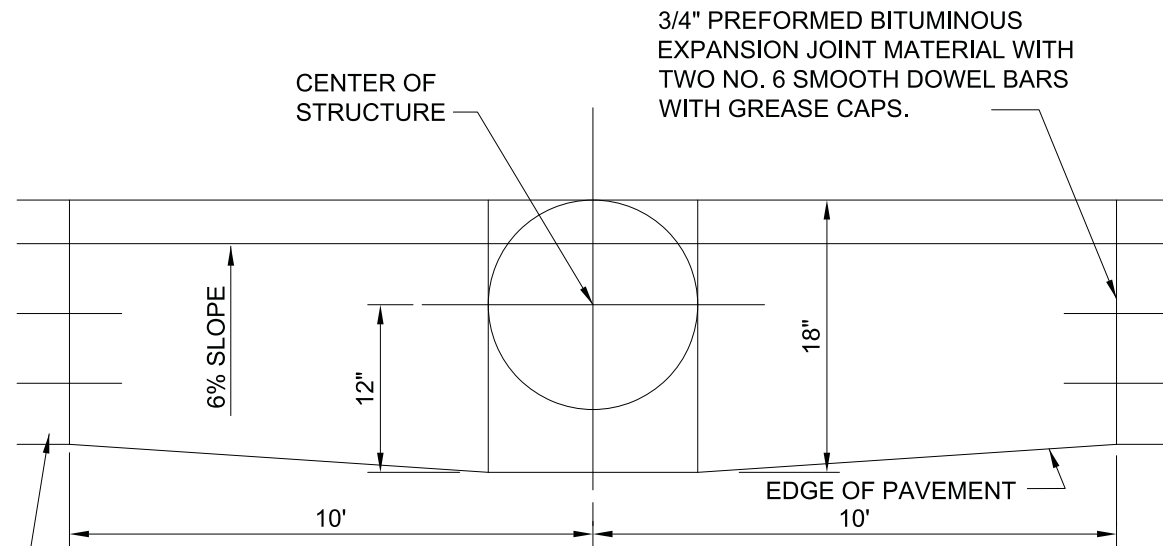
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**MAIN STREET RECONSTRUCTION  
 DRIVEWAY ENTRANCE SIGNING DETAILS**

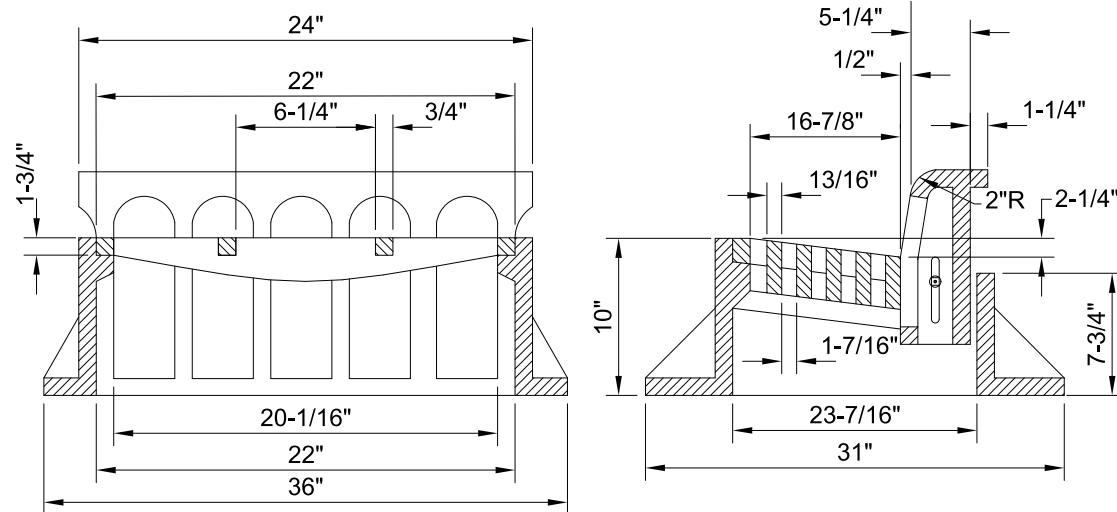
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F.A.P. RTE.	F.A.U. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
524/1442	12-00073-02-FP	KANE	207	144
CONTRACT NO. 61F32			ILLINOIS FED. AID PROJECT	



B6.12 CURB & GUTTER

PLAN



NOTES:

1. GRATE & CASTING SHALL BE EAST JORDAN 7221.
2. ALL CASTINGS SHALL BE SHOP PAINTED WITH AN ASPHALTIC BASE.

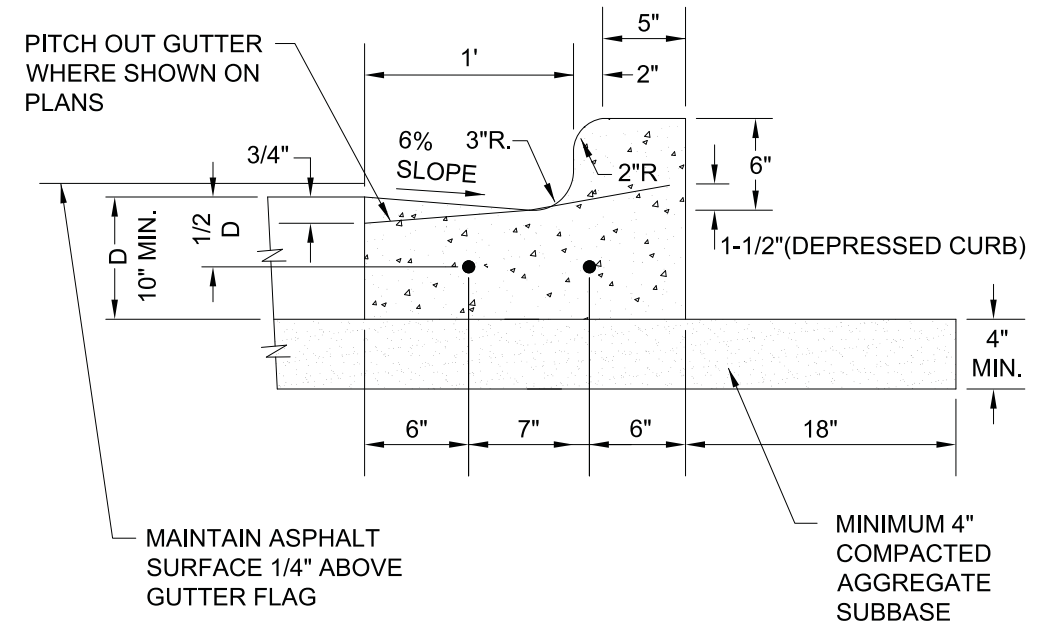


**CITY OF BATAVIA  
PUBLIC WORKS**

SHEET: 1 OF 1  
DATE: 1/1/16

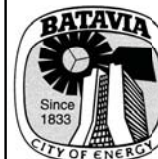
**B6.12 BARRIER CURB & GUTTER AT INLETS**

STANDARD NO. 7.03



NOTES:

1. 3/4" PREFORMED BITUMINOUS EXPANSION JOINT WITH TWO (2) NUMBER 6 COATED SMOOTH DOWEL BARS (3/4" DIA. X 18") WITH GREASE CAPS SHALL BE PLACED EVERY 150', 5' EITHER SIDE OF DRAINAGE STRUCTURES, P.C.'S, RADIUS POINTS AND BACK OF CUL-DE-SACS. WHEN EXPANSION JOINTS ARE CONSTRUCTED ADJACENT TO EXISTING CURB & GUTTER THE EXISTING CURB SHALL BE DRILLED AND TWO (2) NUMBER 6 EPOXY COATED SMOOTH DOWEL BARS (3/4" X 18") GROUTED IN PLACE. GREASE CAPS SHALL BE PLACED ON THE SIDE OF THE NEW CURB AND GUTTER SHALL HAVE A PINCHED STOP THAT WILL PROVIDE A MINIMUM 1" EXPANSION.
2. TOOLED CONTROL JOINTS OR SAWCUTS SHALL BE MADE EVERY 10'.
3. SAWCUTS SHALL BE MADE WITHIN TWENTY-FOUR (24) HOURS AND SEALED WITH A CITY APPROVED JOINT SEALANT. JOINTS SHALL BE CLEAN AND DRY PRIOR TO APPLICATION OF SEALANT.
4. FOR CURB AND GUTTER CONSTRUCTED OVER UTILITY TRENCHES, TWO (2) EPOXY COATED REINFORCING BARS (NO. 5) SHALL BE PLACED IN THE CURB AND GUTTER, CENTERED OVER THE TRENCH.



**CITY OF BATAVIA  
PUBLIC WORKS**

SHEET: 1 OF 1  
DATE: 1/1/16

**B6.12 BARRIER CURB & GUTTER**

STANDARD NO. 7.04

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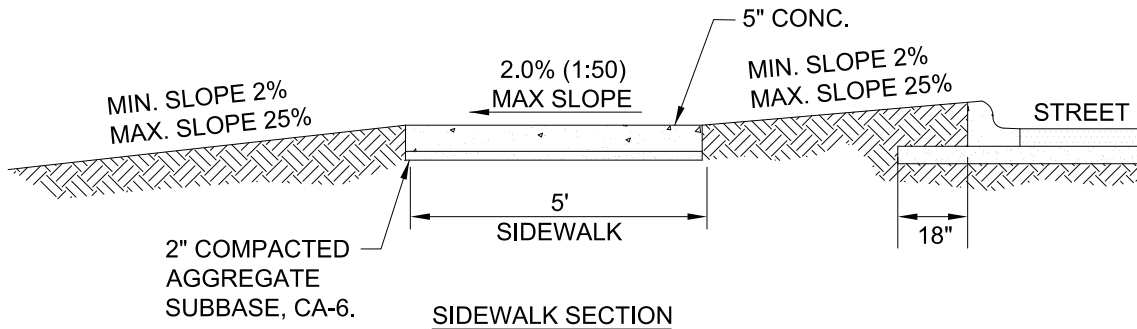
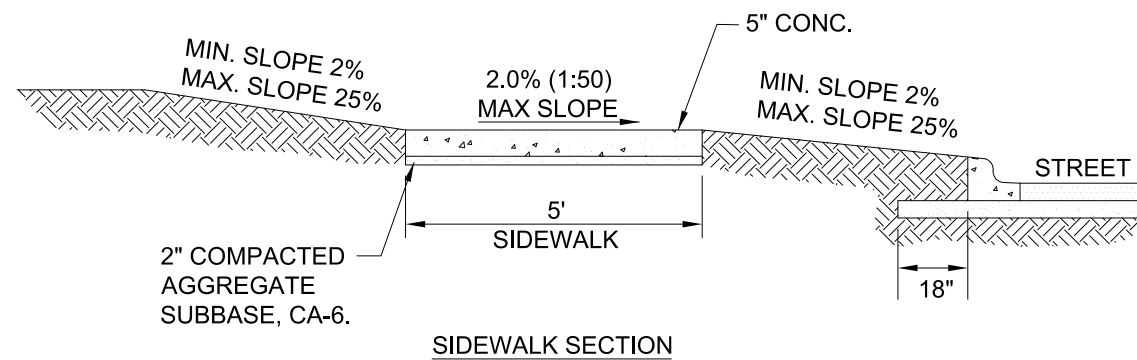
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MAIN STREET RECONSTRUCTION  
CONSTRUCTION DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
524/1442	12-00073-02-FP	KANE	207	145
CONTRACT NO. 61F32			ILLINOIS FED. AID PROJECT	



**NOTES:**

1. CONCRETE SHALL BE IDOT CLASS SI.
2. MINIMUM SIDEWALK THICKNESS SHALL BE 5".
3. SIDEWALK THICKNESS ACROSS DRIVEWAYS SHALL BE AT A MINIMUM 6" FOR RESIDENTIAL DRIVEWAYS AND 8" FOR COMMERCIAL DRIVEWAYS.
4. MAXIMUM LONGITUDINAL SLOPE SHALL NOT EXCEED 5% (20:1). FOR ANY SLOPE IN EXCESS OF 5%, ALL REQUIREMENTS OF THE ILLINOIS ACCESSIBILITY CODE (LATEST EDITION) SHALL BE MET.
5. MINIMUM TRANSVERSE SLOPE SHALL BE 1.0% (1:100). MAXIMUM TRANSVERSE SLOPE SHALL BE 2.0% (1:50).
6. A MINIMUM 2" AGGREGATE SUBBASE (CA-6) SHALL BE PROVIDED. (4" THROUGH COMMERCIAL DRIVEWAYS).
7. AGGREGATE SUBBASE SHALL BE MECHANICALLY COMPACTED.
8. ALL SIDEWALKS SHALL BE PROMPTLY BACKFILLED AND PROTECTED FROM DAMAGE.
9. SIDEWALK CONSTRUCTION SHALL FOLLOW APPLICABLE IDOT STANDARDS.
10. SIDEWALKS SHALL FOLLOW CURRENT ADA GUIDELINES.

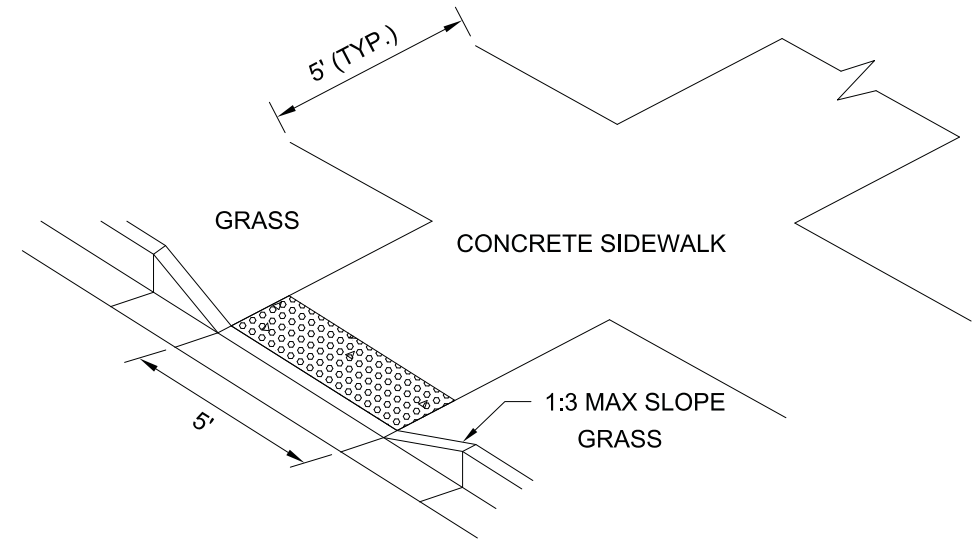


**CITY OF BATAVIA  
PUBLIC WORKS DEPARTMENT**

**SHEET: 1 OF 1  
DATE: 1/1/16**

**SIDEWALK**

**STANDARD NO. 7.08**



**ISOMETRIC VIEW**

**NOTES:**

1. ALL AGGREGATE SUB-BASE SHALL BE MECHANICALLY COMPACTED.
2. SIDEWALK THICKNESS AT CURB RAMPS SHALL BE A MINIMUM OF 6" PCC ON 2" AGGREGATE SUB BASE.
3. SIDEWALK CONSTRUCTION SHALL FOLLOW APPLICABLE IDOT STANDARDS.
4. SIDEWALKS SHALL FOLLOW CURRENT ADA GUIDELINES.

**APPLICABLE IDOT STANDARD DETAILS:**

- |           |  |
|-----------|--|
| 424001-11 | PERPENDICULAR CURB RAMPS FOR SIDEWALKS                 |
| 424006-04 | DIAGONAL CURB RAMPS FOR SIDEWALKS                      |
| 424011-04 | CORNER PARALLEL CURB RAMPS FOR SIDEWALKS               |
| 424016-05 | MID-BLOCK CURB RAMPS FOR SIDEWALKS                     |
| 424021-05 | DEPRESSED CORNER FOR SIDEWALKS                         |
| 424026-03 | ENTRANCE/ALLEY PEDESTRIAN CROSSINGS                    |
| 424031-02 | MEDIAN PEDESTRIAN CROSSINGS                            |
| 606001-07 | CONCRETE CURB TYPE B AND COMB CONCRETE CURB AND GUTTER |

**APPROVED ADA DETECTABLE WARNING TILES:**

1. ADA SOLUTIONS - CAST IN PLACE REPLACEABLE
2. ARMOR TILE - CAST IN PLACE
3. DETECTILE - SLIMTEK II



**CITY OF BATAVIA  
PUBLIC WORKS**

**SHEET: 1 OF 1  
DATE: 1/1/16**

**CURB RAMPS**

**STANDARD NO. 7.10**

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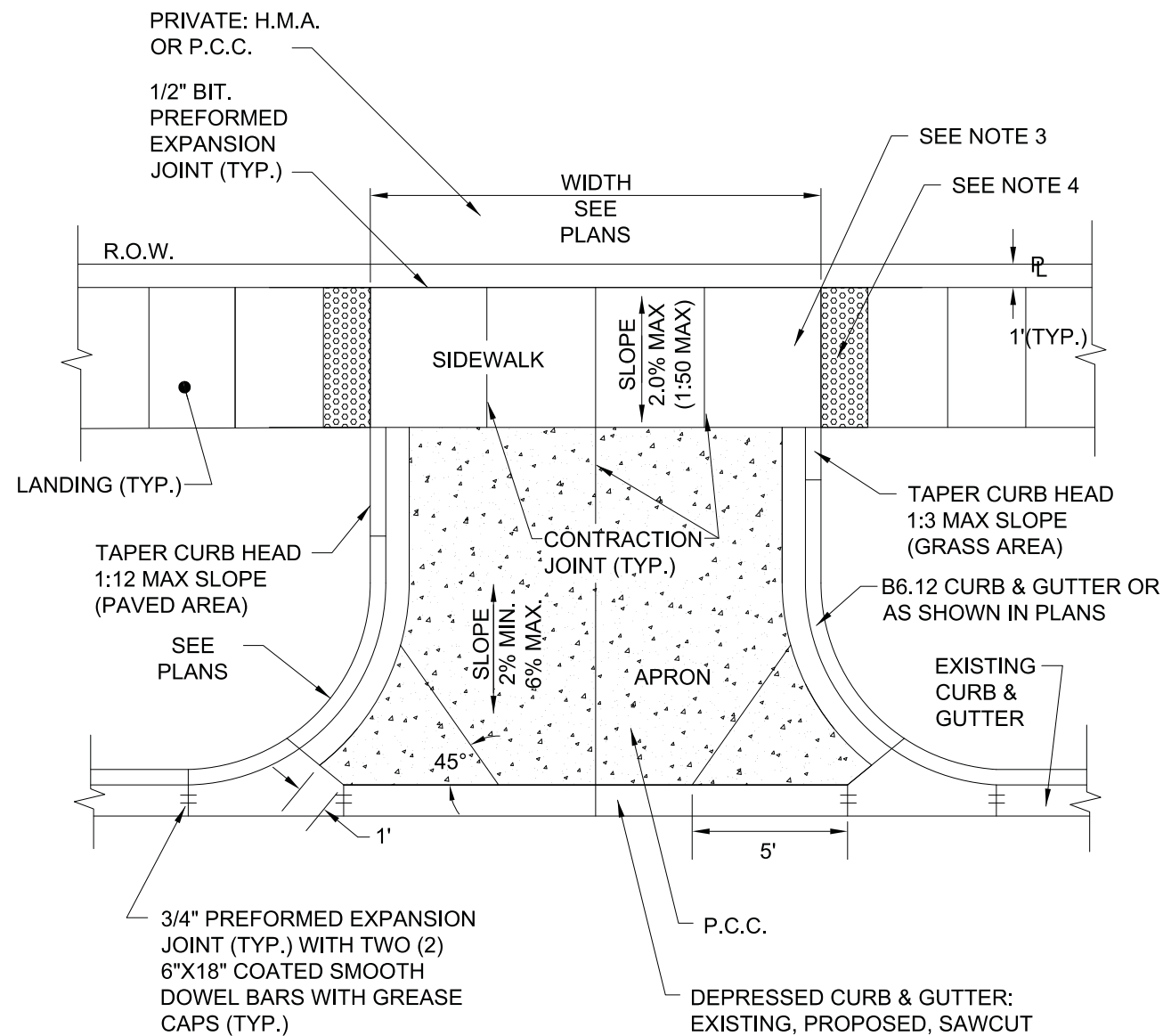
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAIN STREET RECONSTRUCTION  
CONSTRUCTION DETAILS**

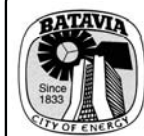
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
524/1442	12-00073-02-FP	KANE	207	146
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61F32	



**NOTES:**

1. ALL AGGREGATE SUB BASE SHALL BE MECHANICALLY COMPACTED.
2. SIDEWALK SHALL CONTINUE THROUGH DRIVEWAYS.
3. SIDEWALK THICKNESS ACROSS DRIVEWAYS SHALL BE A MINIMUM OF 8" PCC ON 4" AGGREGATE SUB BASE.
4. DETECTABLE WARNINGS SHALL ONLY BE INSTALLED AT DRIVEWAYS WITH PERMANENT TRAFFIC CONTROL DEVICES.
5. SIDEWALK CONSTRUCTION SHALL FOLLOW APPLICABLE IDOT STANDARDS.
6. SIDEWALKS SHALL FOLLOW CURRENT ADA GUIDELINES.

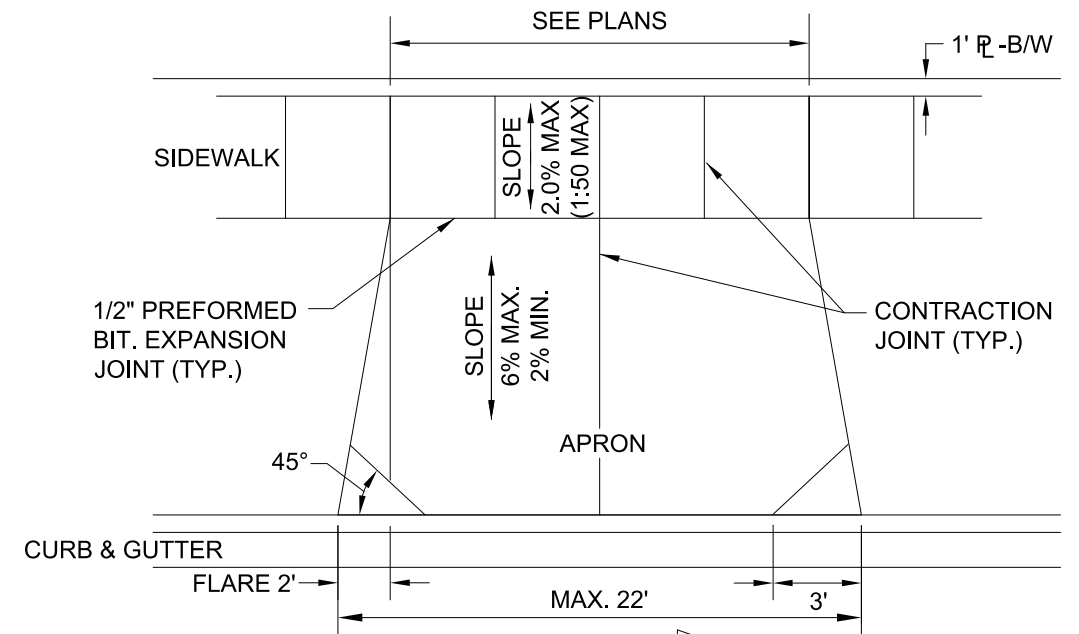


**CITY OF BATAVIA  
PUBLIC WORKS**

SHEET: 1 OF 1  
DATE: 4/22/16

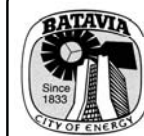
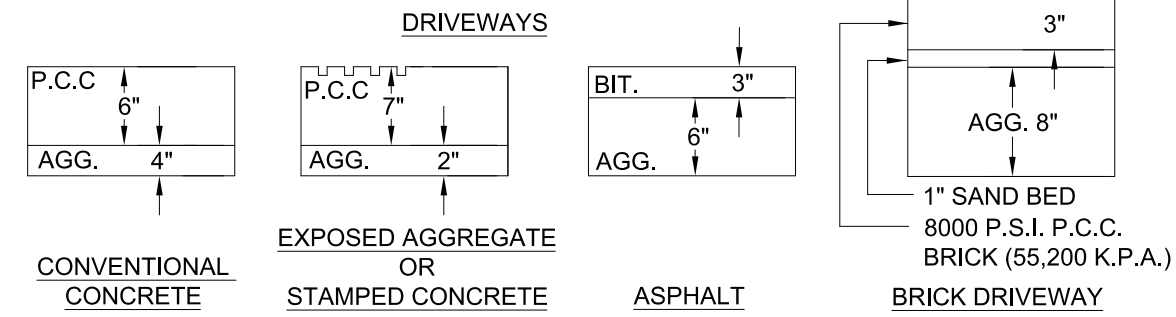
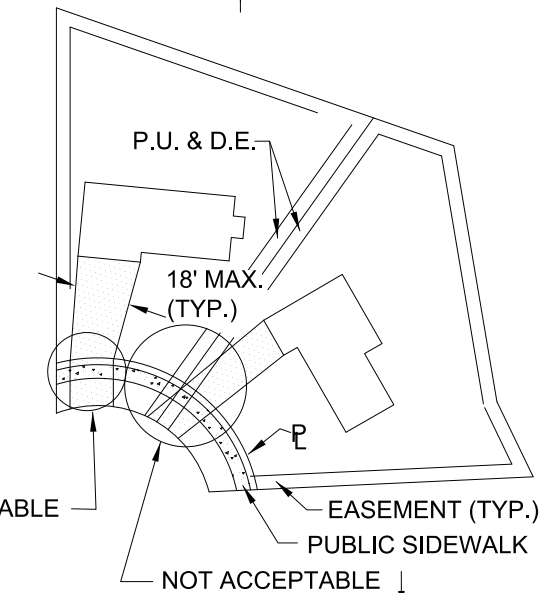
**TYPICAL COMMERCIAL DRIVEWAY**

STANDARD NO. 7.16



**NOTES:**

1. DRIVEWAYS SHALL NOT EXCEED 18' IN WIDTH MEASURED AT THE RIGHT-OF-WAY LINE.
2. DRIVEWAYS SHALL NOT ENCRANCH OVER THE PROPERTY LINE EXTENSION IN THE PARKWAY.
3. DRIVEWAYS ARE NOT PERMITTED IN EASEMENTS UNLESS APPROVED BY THE CITY ENGINEER.
4. ALL AGGREGATE SUB-BASE SHALL BE MECHANICALLY COMPACTED.
5. SIDEWALK SHALL CONTINUE THROUGH DRIVEWAYS.
6. SIDEWALK THICKNESS ACROSS DRIVEWAYS SHALL BE A MINIMUM OF 6" PCC ON 2" AGGREGATE SUB BASE.
7. DRIVEWAYS SHALL BE CONSTRUCTED ON THE HIGH SIDE OF THE LOT FARTHEST FROM INTERSECTION.



**CITY OF BATAVIA  
PUBLIC WORKS DEPARTMENT**

SHEET: 1 OF 1  
DATE: 10/16/2016

**TYPICAL RESIDENTIAL DRIVEWAY**

STANDARD NO. 7.17

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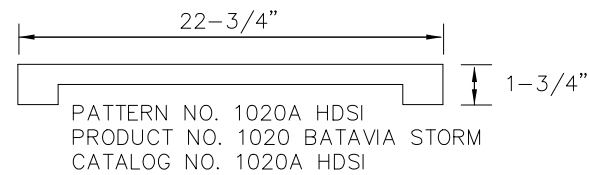
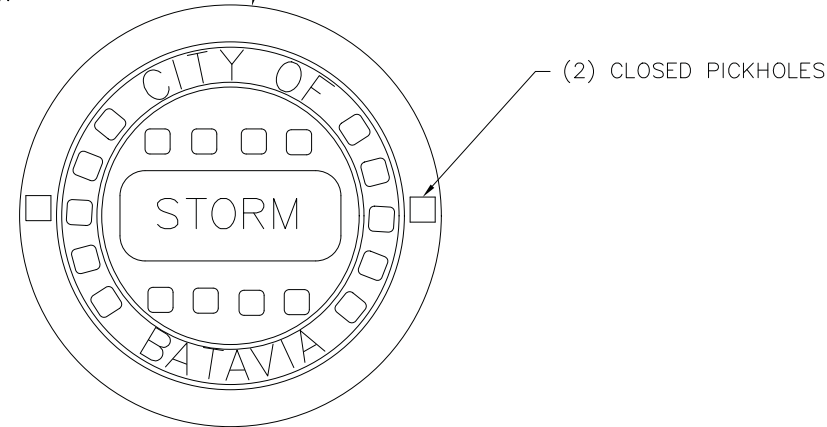
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**MAIN STREET RECONSTRUCTION  
CONSTRUCTION DETAILS**

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

F.A.P. F.A.U. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
524/1442 12-00073-02-FP	KANE	207	147
CONTRACT NO. 61F32		ILLINOIS FED. AID PROJECT	

EAST JORDAN 1020 FRAME AND LID WITH CONCEALED PICKHOLES. LID SHALL HAVE THE WORDS "CITY OF BATAVIA", "STORM". CASTINGS FOR CURB INLETS AND CATCH BASINS IN THE CURB LINE SHALL BE EAST JORDAN 7221.



1-1/2 LETTERS  
(RECESSED FLUSH)  
HEAVY DUTY  
MATERIAL ASTM A48 CL 35  
COVER WT 125 LBS



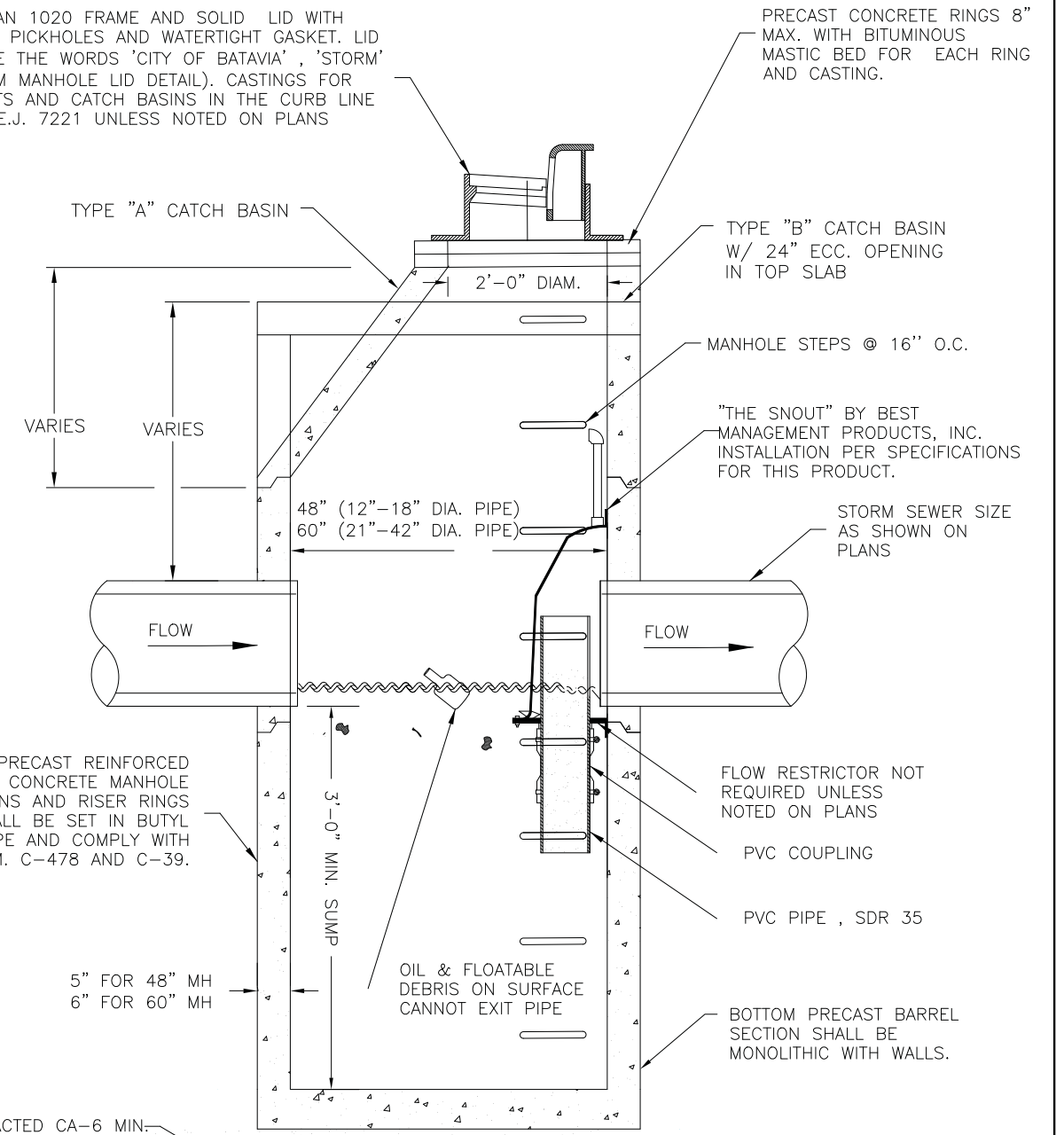
**CITY OF BATAVIA  
PUBLIC WORKS DEPARTMENT**

**SHEET: 1 OF 1  
DATE: 1/1/16**

**STORM MANHOLE LID DETAIL**

**STANDARD NO. 4.05**

EAST JORDAN 1020 FRAME AND SOLID LID WITH CONCEALED PICKHOLES AND WATERTIGHT GASKET. LID SHALL HAVE THE WORDS 'CITY OF BATAVIA', 'STORM' (SEE STORM MANHOLE LID DETAIL). CASTINGS FOR CURB INLETS AND CATCH BASINS IN THE CURB LINE SHALL BE E.J. 7221 UNLESS NOTED ON PLANS OTHERWISE.



**NOTES:**

1. MANHOLE SECTION JOINTS TO BE TONGUE AND GROOVED. NON-PRECAST PIPE OPENINGS SHALL BE CORED AND RUBBER BOOTED. MORTAR ALL PIPE PENETRATIONS INSIDE AND OUTSIDE OF STRUCTURE.
2. PRIOR TO THE PLACEMENT OF FINAL LAYER OF ROADWAY, FRAMES AND ADJUSTING RINGS SHALL BE SET IN IDOT CLASS "SI" CONCRETE MIXTURE.
3. ALL CATCH BASIN GRIT OIL STOP STRUCTURES MUST BE LOCATED IN THE PARKWAY OR CURB LINE ACCESSIBLE BY CLEANING EQUIPMENT. GENERALLY OIL STOP STRUCTURES SHOULD NOT BE USED FOR SEWERS EXCEEDING 18-IN DIAM (OR AS APPROVED BY CITY ENGINEER). THE CATCH BASIN GRIT OIL STOP SHALL BE USED AT THE DOWNSTREAM SIDE OF ANY TWO DRAINAGE STRUCTURES.



**CITY OF BATAVIA  
PUBLIC WORKS DEPARTMENT**

**SHEET: 1 OF 1  
DATE: 01/01/2016**

**CATCH BASIN - TYPE "A" OR TYPE "B"**

**STANDARD NO. 4.06**

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

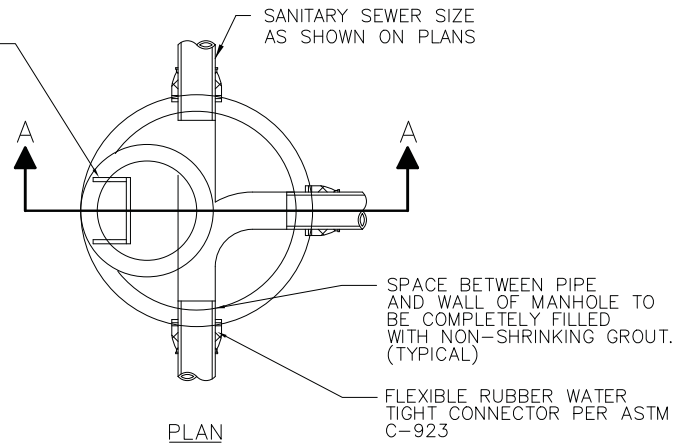
**MAIN STREET RECONSTRUCTION  
CONSTRUCTION DETAILS**

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

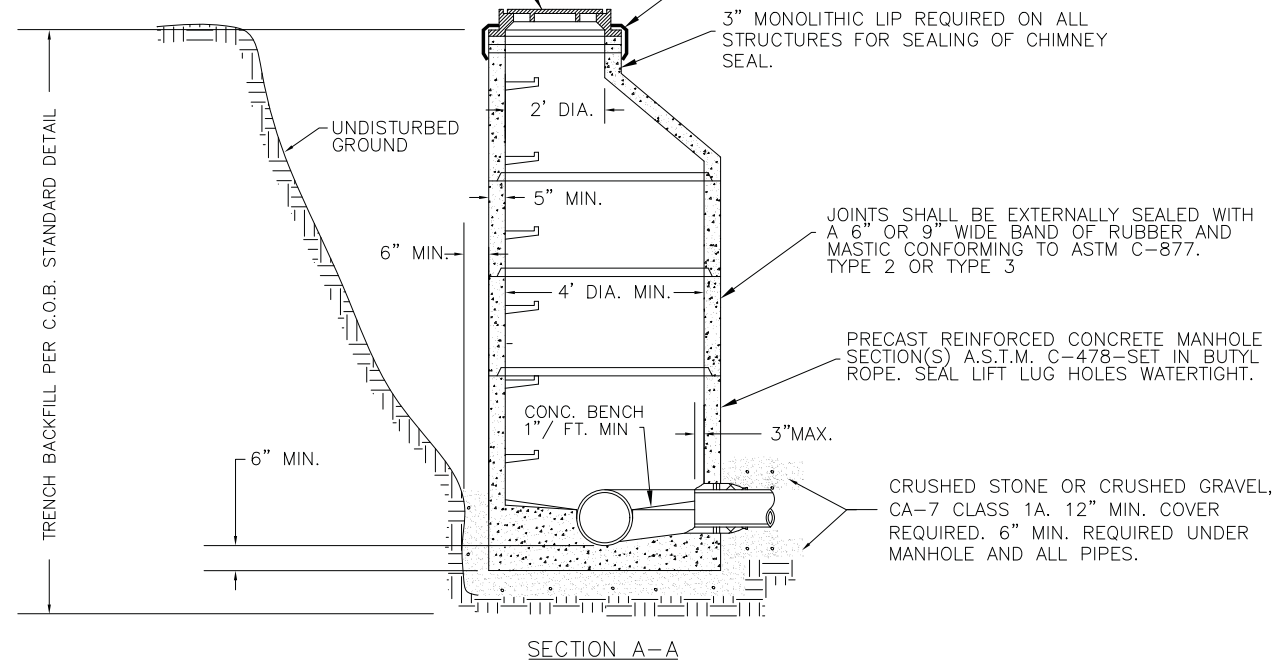
F.A.P. F.A.U. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
524/1442 12-00073-02-FP	KANE	207	148
ILLINOIS FED. AID PROJECT		CONTRACT NO. 61F32	



PLASTIC MANHOLE STEPS 1'-4" O.C.  
M.A. INDUSTRIES CAT. NO. M.A. PS  
IPF OR APPROVED EQUAL.



EAST JORDAN NO. 1020 FRAME AND SOLID LID  
WITH CONCEALED PICKHOLES AND WATERTIGHT  
GASKET. LID SHALL HAVE THE WORDS 'CITY OF  
BATAVIA', 'SANITARY SEWER' (SEE SANITARY  
MANHOLE LID DETAIL).  
SET FRAME IN BUTYL ROPE



**NOTES:**

1. INVERTS OF INCOMING PIPES SHALL BE DETERMINED BY MATCHING ELEVATIONS OF THE TOP OF ALL PIPES. FOR EXISTING SEWERS 15" OR GREATER, SEE APPROVED PLANS. ALL FLOW CHANNELS SHALL BE PRECAST INTO THE BENCH.
2. PRECAST CONCRETE MANHOLE SECTIONS SHALL BE MINIMUM 4 FT. DIAMETER FOR PIPE SIZES 8" THRU 18" DIAM. REFER TO APPROVED PLANS FOR MANHOLE DIAMETERS FOR PIPE SIZES GREATER THAN 18" DIAM.
3. ANY MANHOLE, WHICH HAS BEEN DISTURBED IN ANY WAY, INCLUDING BEING RAISED OR LOWERED, SHOULD BE CLEANED AND DRIED BEFORE RE-SEALING. AN APPROVED CHIMNEY SEAL IS REQUIRED. EACH EXPOSED JOINT SHALL BE SEALED WITH A DOUBLE LAYER OF BUTYL ROPE AND EXTERNALLY SEALED PER THE NOTE SHOWN ABOVE.
4. OUTSIDE DROP CONNECTION IS REQUIRED FOR INVERT VERTICAL SEPARATION OF 2 FT. OR MORE (SEE C.O.B. DETAIL).

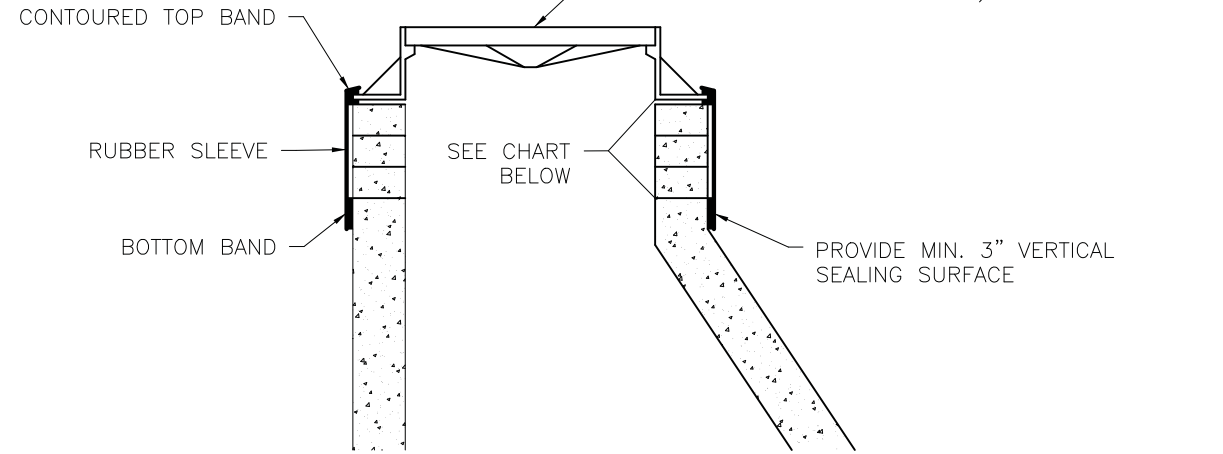


**CITY OF BATAVIA  
PUBLIC WORKS DEPARTMENT**

**SHEET: 1 OF 1  
DATE: 1/1/16**

**SANITARY SEWER MANHOLE**

**STANDARD NO. 5.01**



EXTERNAL CHIMNEY SEALS  
TO SPAN CHIMNEY HEIGHTS OF:

0" - 3"	NARROW (7") SEAL ONLY
OVER 3" - 7"	STANDARD (11") SEAL ONLY
OVER 7" - 15"	STANDARD SEAL + EXTENSION

**NOTE:**

1. EXTERNAL CHIMNEY SEALS SHALL BE INSTALLED ON ALL SANITARY SEWER MANHOLES.
2. EXTERNAL CHIMNEY SEALS SHALL BE MANUFACTURED BY MAR MAC CONSTRUCTION (SUR-SEAL), CRETEX SPECIALTY PRODUCTS (CLASSIC SEAL), SEALING SYSTEMS, INC. (INFI-SHIELD).
3. CHIMNEY SEALS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.



**CITY OF BATAVIA  
PUBLIC WORKS DEPARTMENT**

**SHEET: 1 OF 1  
DATE: 1/1/16**

**EXTERNAL CHIMNEY SEAL DETAIL**

**STANDARD NO. 5.02**

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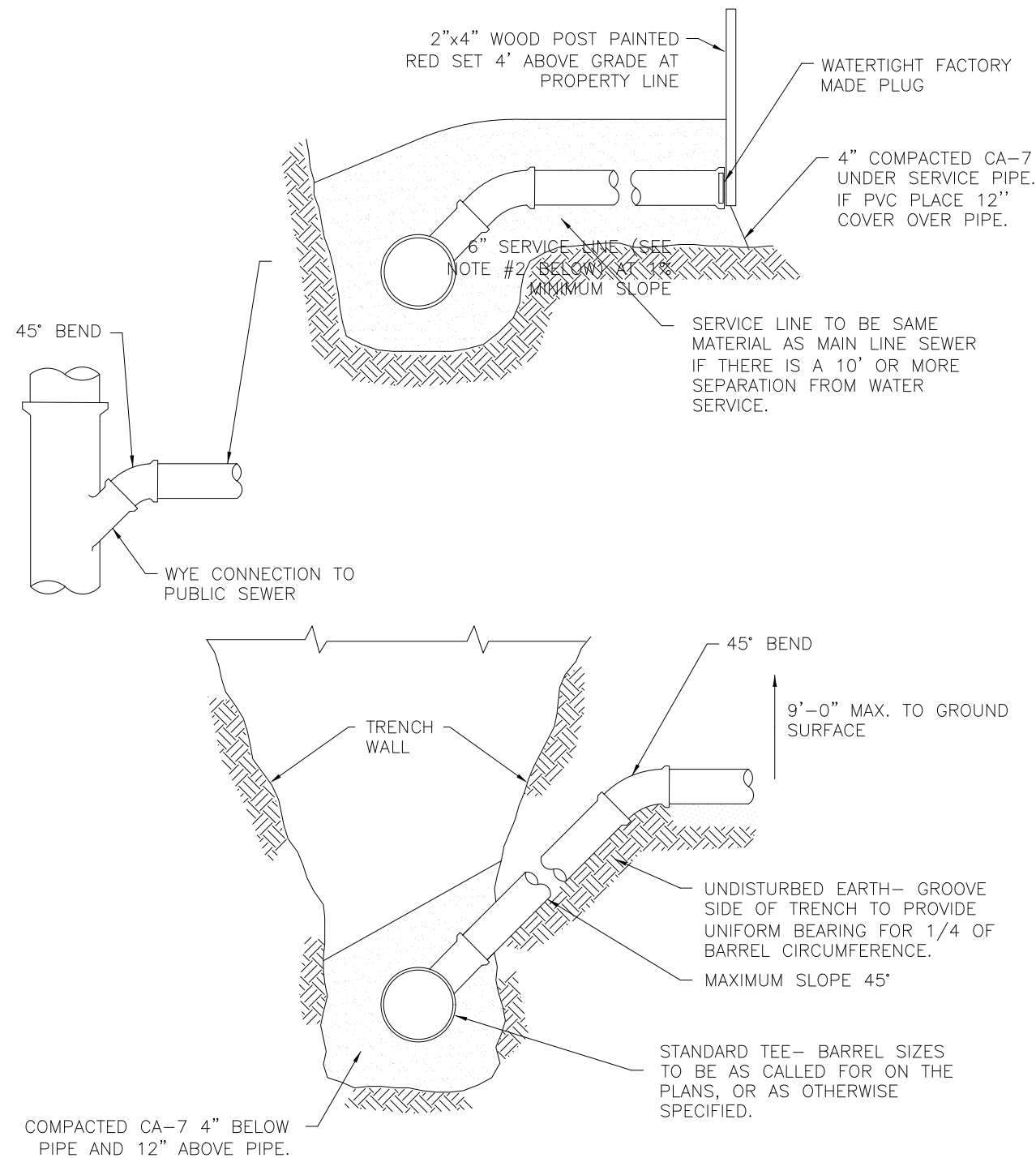
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	DATE - 11/06/19	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAIN STREET RECONSTRUCTION  
CONSTRUCTION DETAILS**

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

F.A.P.F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
524/1442	12-00073-02-FP	KANE	207	149
CONTRACT NO. 61F32			ILLINOIS FED. AID PROJECT	



NOTES:

1. SANITARY SEWER RISERS TO BE CONSTRUCTED IN LIEU OF WYES WHERE SEWER DEPTH EXCEEDS 12'-0".
2. SERVICE LINE PIPE MATERIALS SHALL CONFORM TO THE LATEST EDITION OF THE ILLINOIS PLUMBING CODE OR THE ILLINOIS STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION, WHICHEVER IS MORE STRINGENT.



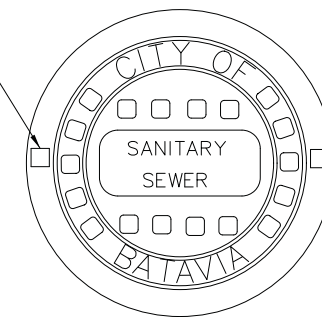
**CITY OF BATAVIA  
PUBLIC WORKS DEPARTMENT**

**SHEET: 1 OF 1  
DATE: 1/1/16**

**SANITARY SEWER SERVICE & SERVICE RISER**

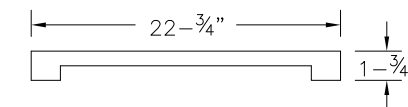
**STANDARD NO. 5.03**

CAST IRON SOLID LID WITH (2)  
CONCEALED PICKHOLE &  
WATER-TIGHT GASKET



1-1/2" LETTERS (RECESSED  
FLUSH) HEAVY DUTY  
MATERIAL ASTM A48 CL 35  
COVER WT 125 LBS

PATTERN NO. 1020A HDSI  
PRODUCT NO. 1020 BATAVIA SANITARY  
CATALOG NO. 1020A HDSI



**CITY OF BATAVIA  
PUBLIC WORKS DEPARTMENT**

**SHEET: 1 OF 1  
DATE: 1/1/16**

**SANITARY MANHOLE LID DETAIL**

**STANDARD NO. 5.04**

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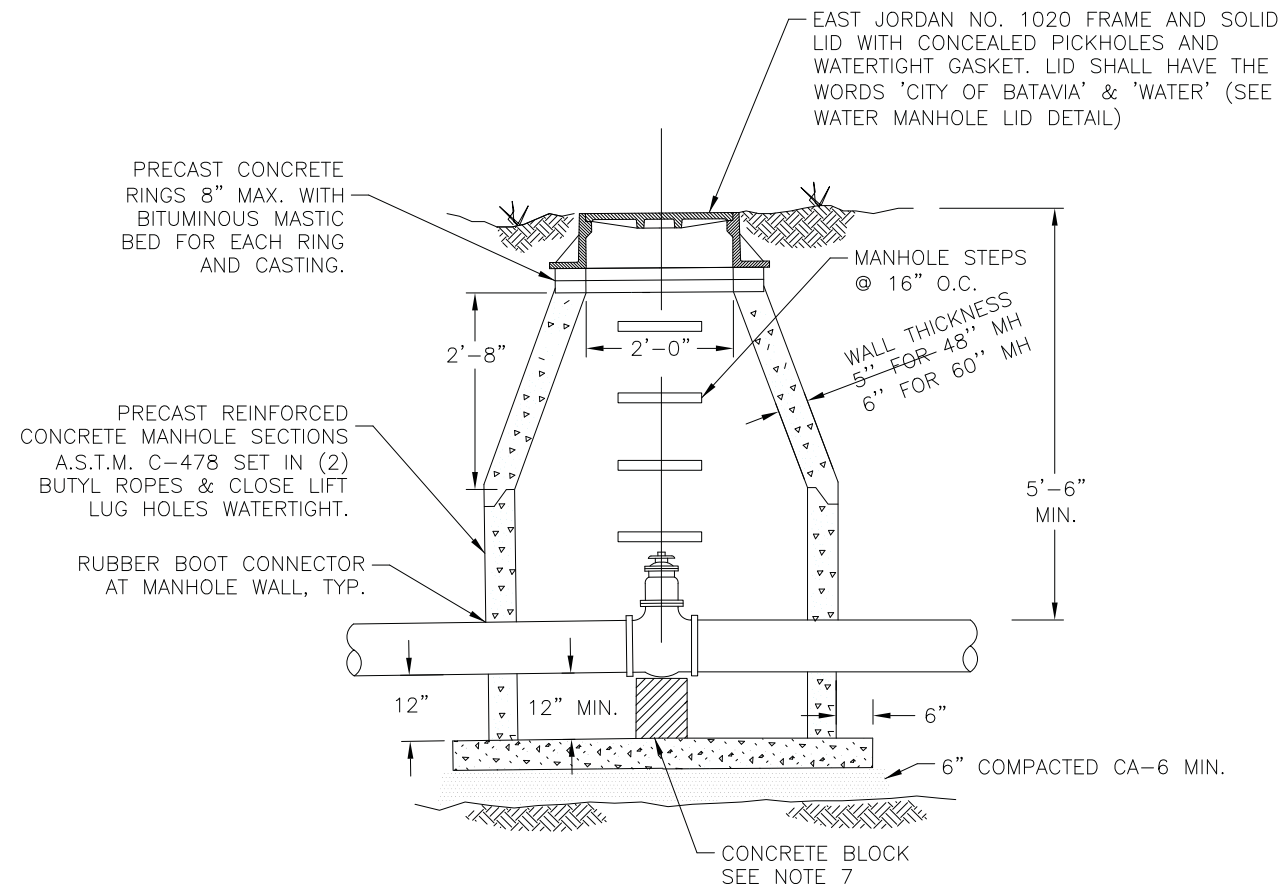
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PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAIN STREET RECONSTRUCTION  
CONSTRUCTION DETAILS**

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

F.A.P. RTE.	F.A.U. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
524/1442	12-00073-02-FP	KANE	207	150
CONTRACT NO. 61F32			ILLINOIS FED. AID PROJECT	



**NOTES:**

1. VALVE VAULT OPENING SHALL BE CENTERED OVER VALVE & CASTING TO BE SET AT FINISH GRADE AS SHOWN ON PLANS.
2. PRECAST CONCRETE VAULT SHALL HAVE AN INSIDE DIAMETER OF 48" FOR 8" DIA. WATER MAIN AND INSIDE DIAMETER OF 60" FOR WATER MAIN 10" AND OVER.
3. VALVES SHALL BE RESILIENT WEDGE GATE VALVES CONFORMING TO AWWA C509 AND SHALL BE MUELLER, WATEROUS, CLOW.
4. ALL NUTS AND BOLTS ON VALVE ARE TO BE STAINLESS STEEL.
5. MEG-A-LUGS SHALL BE USED.
6. RUBBER BOOT CONNECTOR ASSEMBLY SHALL MEET ASTM C923 REQUIREMENTS.
7. PROVIDE A 1/2" LAYER OF PREFORMED JOINT FILLER BETWEEN PEDESTAL AND VALVE.
8. THE OPERATING NUT SHALL BE LOCATED DIRECTLY BELOW THE VALVE VAULT LID. ALL VALVES SHALL BE "KEYABLE" AS DETERMINED BY THE CITY OF BATAVIA WATER DEPARTMENT.

NOT TO SCALE

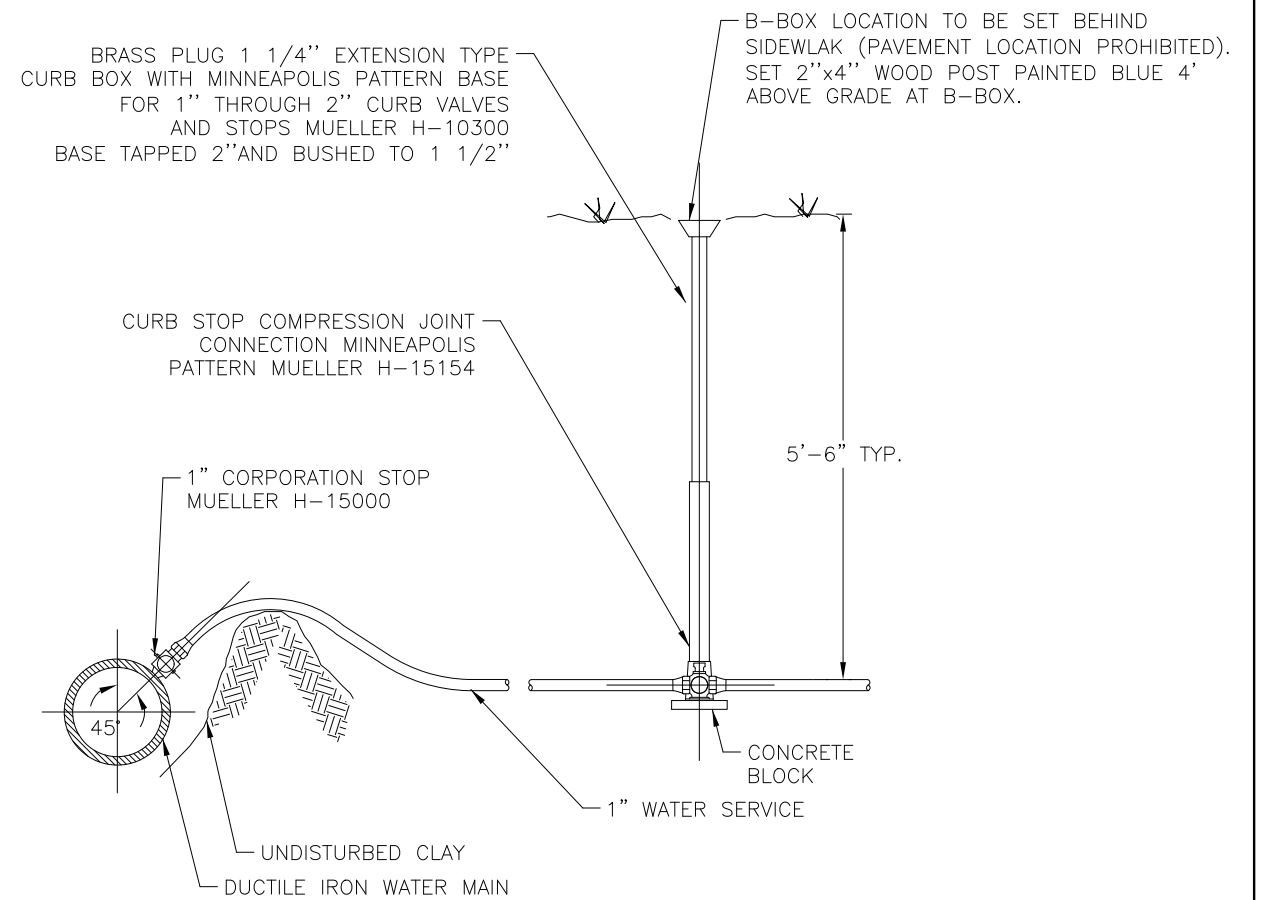


**CITY OF BATAVIA  
PUBLIC WORKS DEPARTMENT**

**SHEET: 1 OF 1  
DATE: 01/01/2016**

**WATER VALVE VAULT**

**STANDARD NO. 6.01**



**NOTES:**

1. WATER SERVICE LINE SHALL BE IN A SEPARATE TRENCH 10 FT. FROM THE SANITARY SEWER SERVICE LINE OR IF IN THE SAME TRENCH ON A SHELF 18" MIN. ABOVE THE SEWER LINE, IN WHICH CASE THE SEWER PIPE MATERIAL SHALL BE DUCTILE IRON OR PVC PIPE EQUIVALENT TO WATER MAIN STANDARDS.
2. WATER SERVICE PIPE MATERIALS AND FITTINGS SHALL MEET THE REQUIREMENTS OF THE LATEST EDITION OF THE ILLINOIS PLUMBING CODE.

NOT TO SCALE



**CITY OF BATAVIA  
PUBLIC WORKS DEPARTMENT**

**SHEET: 1 OF 1  
DATE: 01/01/2016**

**WATER SERVICE DETAIL**

**STANDARD NO. 6.02**

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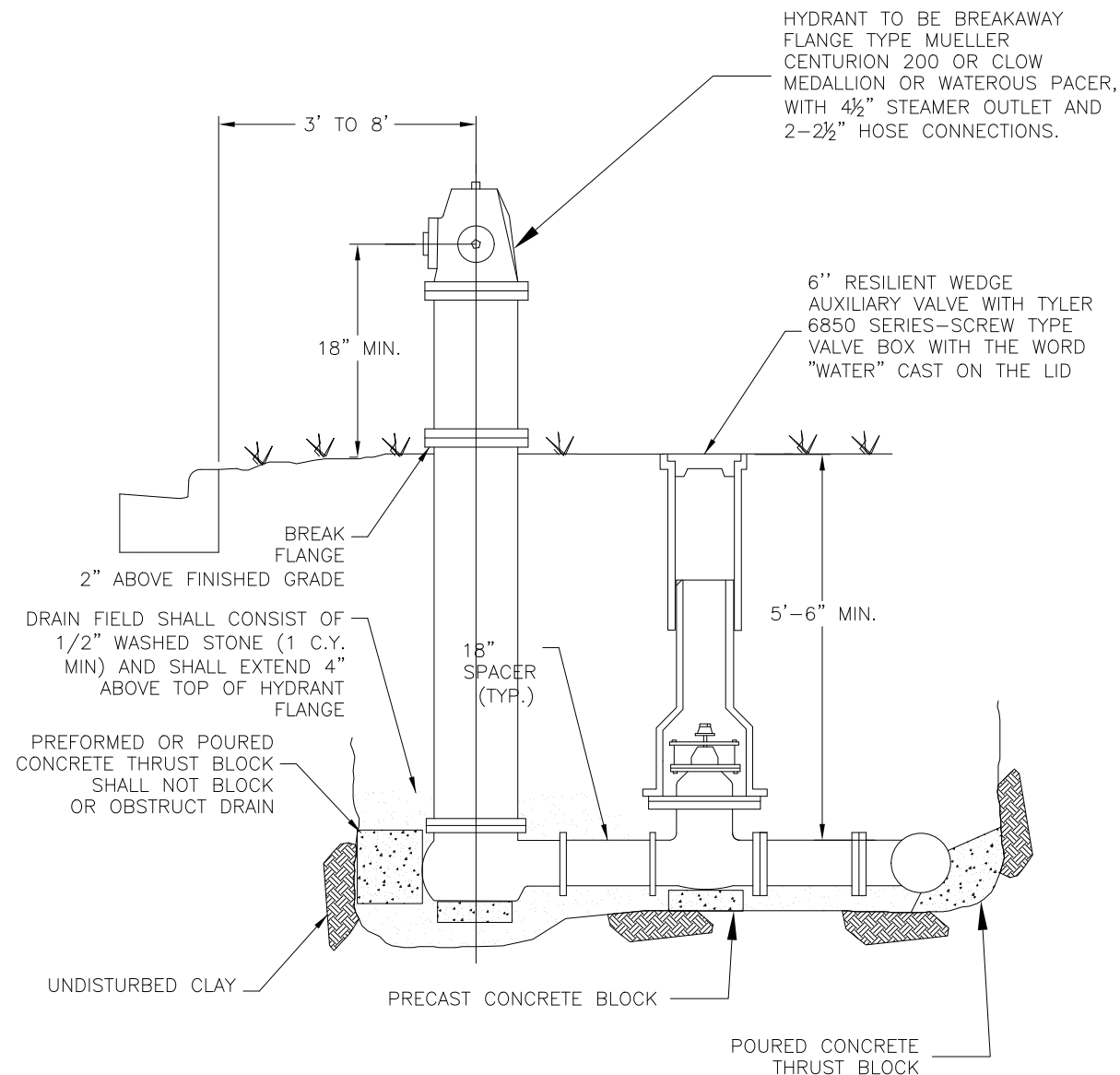
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PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAIN STREET RECONSTRUCTION  
CONSTRUCTION DETAILS**

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

F.A.P. F.A.U. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
524/1442 12-00073-02-FP	KANE	207	151
CONTRACT NO. 61F32		ILLINOIS FED. AID PROJECT	



**NOTE:**

1. HYDRANT, VALVE AND TEE SHALL BE SECURELY TIED TOGETHER WITH MEG-A-LUGS AND EITHER PRECAST OR PREFORMED CONCRETE THRUST BLOCKS.
2. ALL NUTS AND BOLTS ON HYDRANTS AND VALVES ARE TO BE STAINLESS STEEL.
3. HYDRANT AND VALVE ARE TO BE SET PLUMB AT THE ELEVATION SHOWN ON PLANS.
4. HYDRANT SHALL HAVE TWO COATS OF PAINT MATCHING THE CITY STANDARD FOR COLOR, COMMONLY KNOWN AS "PARROT GREEN", TNEPEC PAINT CORPORATION NO. G1499 OR WATEROUS COLOR BY SIERRA PAINT CORPORATION NO. 650-M-4188 AND SHALL HAVE "HYDRAFINDER STANDARD" HYDRANT LOCATOR.

NOT TO SCALE

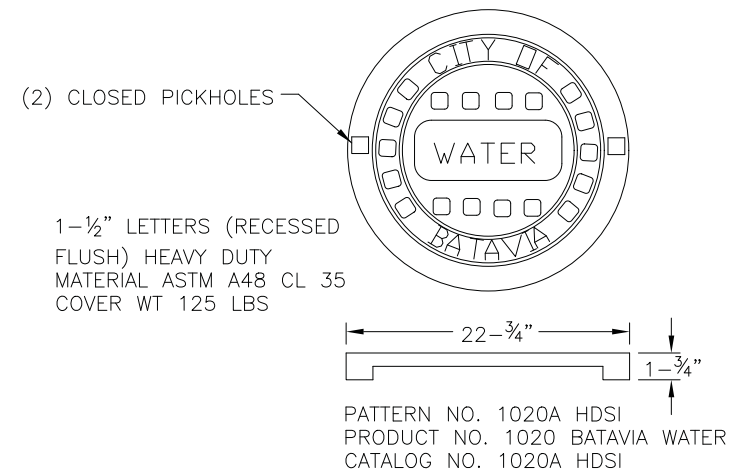


**CITY OF BATAVIA  
PUBLIC WORKS DEPARTMENT**

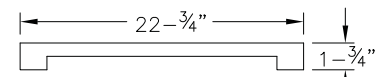
**SHEET: 1 OF 1  
DATE: 01/01/2016**

**FIRE HYDRANT ASSEMBLY**

**STANDARD NO. 6.03**



1-1/2" LETTERS (RECESSED FLUSH) HEAVY DUTY MATERIAL ASTM A48 CL 35 COVER WT 125 LBS



PATTERN NO. 1020A HDSI  
PRODUCT NO. 1020 BATAVIA WATER  
CATALOG NO. 1020A HDSI



**CITY OF BATAVIA  
PUBLIC WORKS DEPARTMENT**

**SHEET: 1 OF 1  
DATE: 1/1/16**

**WATER MANHOLE LID**

**STANDARD NO. 6.04**

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	DATE - 11/06/19	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAIN STREET RECONSTRUCTION  
CONSTRUCTION DETAILS**

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

F.A.P. RTE.	F.A.U. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
524/1442	12-00073-02-FP	KANE	207	152
CONTRACT NO. 61F32			ILLINOIS FED. AID PROJECT	

MINIMUM RESTRAINED LENGTHS (IN FEET)  
BACK FROM BOTH SIDES OF FITTING

FITTING TYPE/NOMINAL SIZE	4"	6"	8"	10"	12"	16"
90 DEGREE BEND	17	25	32	38	45	59
45 DEGREE BEND	7	10	13	16	19	24
22.5 DEGREE BEND	3	5	6	8	9	12
11.25 DEGREE BEND	2	2	3	4	4	6
DEAD END	39	55	73	87	103	134
TOP SIDE VERTICAL OFFSET * (45 DEGREE)	16	23	30	36	43	55
BOTTOM SIDE VERTICAL OFFSET * (45 DEGREE)	4	6	8	10	11	15
TEE RUN X BRANCH ** 6" BY	1	17				
TEE RUN X BRANCH ** 8" BY	1	5	34			
TEE RUN X BRANCH ** 10" BY	1	1	24	49		
TEE RUN X BRANCH ** 12" BY	1	1	15	41	65	
TEE RUN X BRANCH ** 16" BY	1	1	1	26	52	95
REDUCER ** 6" BY	28					
REDUCER ** 8" BY	52	30				
REDUCER ** 10" BY	71	54	29			
REDUCER ** 12" BY	90	75	55	51		
REDUCER ** 16" BY	123	113	97	94	54	

\* VERTICAL OFFSET WITH MINIMUM 10' OF SOLID PIPE BETWEEN UPPER AND LOWER BEND.

\*\* TEE WITH MINIMUM 10' SOLID PIPE ON BOTH SIDES OF RUN.

NUMBER INDICATES LENGTH OF BRANCH TO BE RESTRAINED.

\*\*\* LENGTH BACK FROM LARGE END OF REDUCER.



**CITY OF BATAVIA  
PUBLIC WORKS DEPARTMENT**

**SHEET: 1 OF 1  
DATE: 08/30/2017**

**WATER MAIN RESTRAINT**

**STANDARD NO. 6.09**

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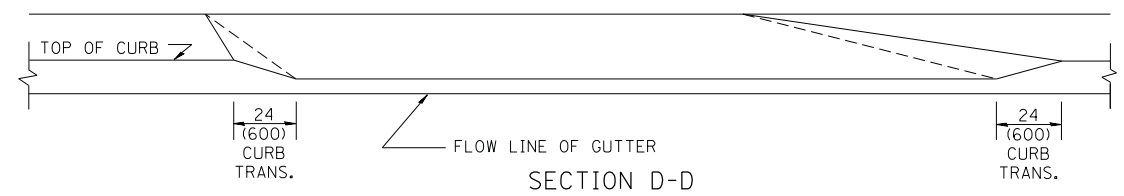
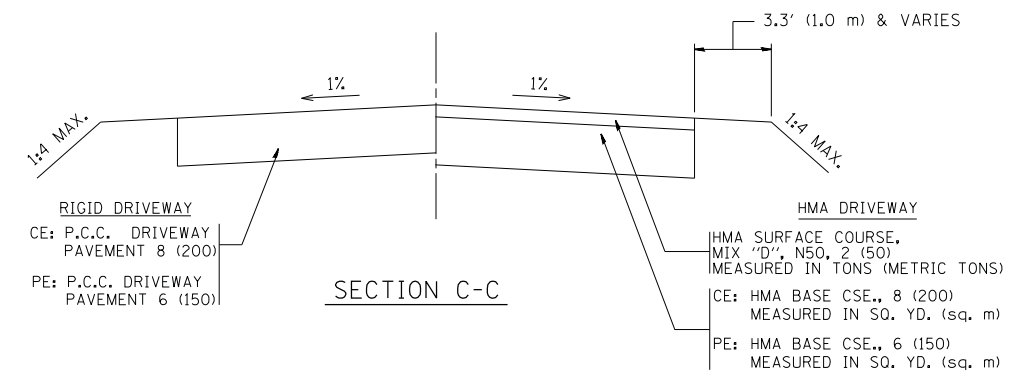
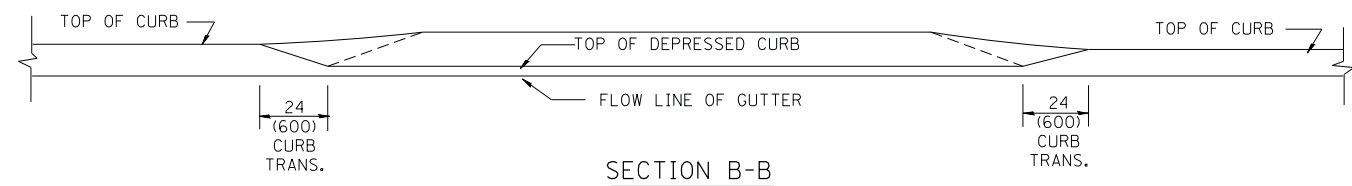
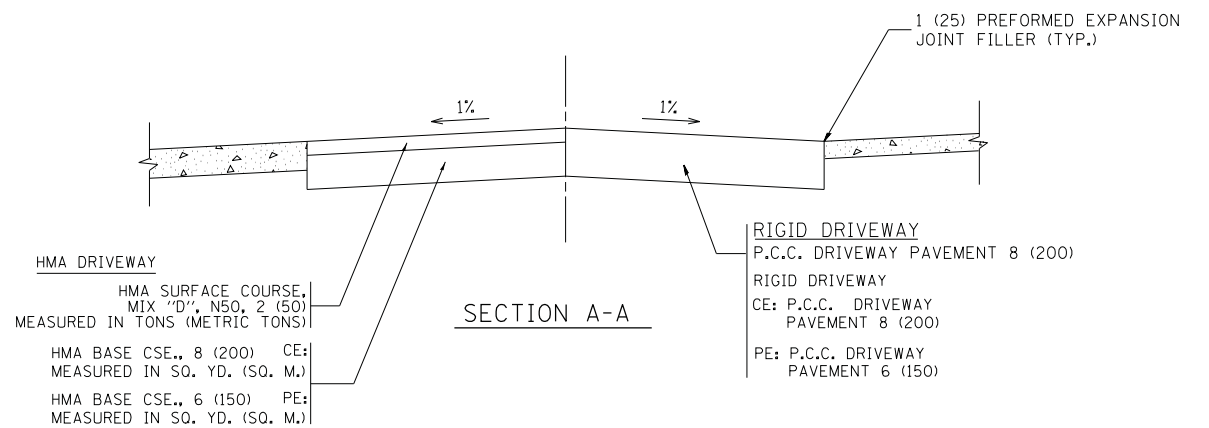
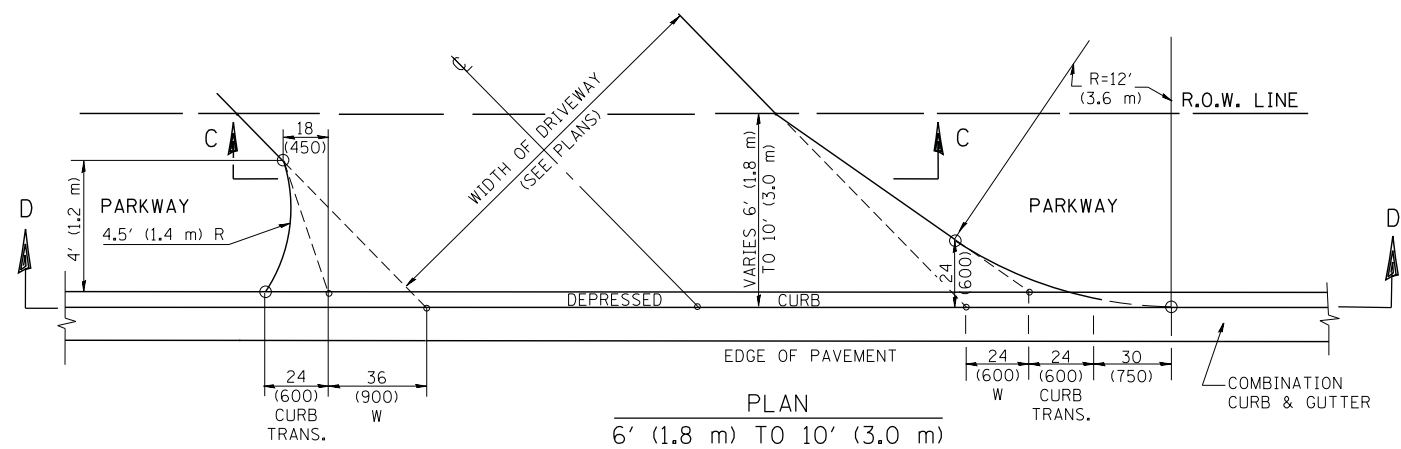
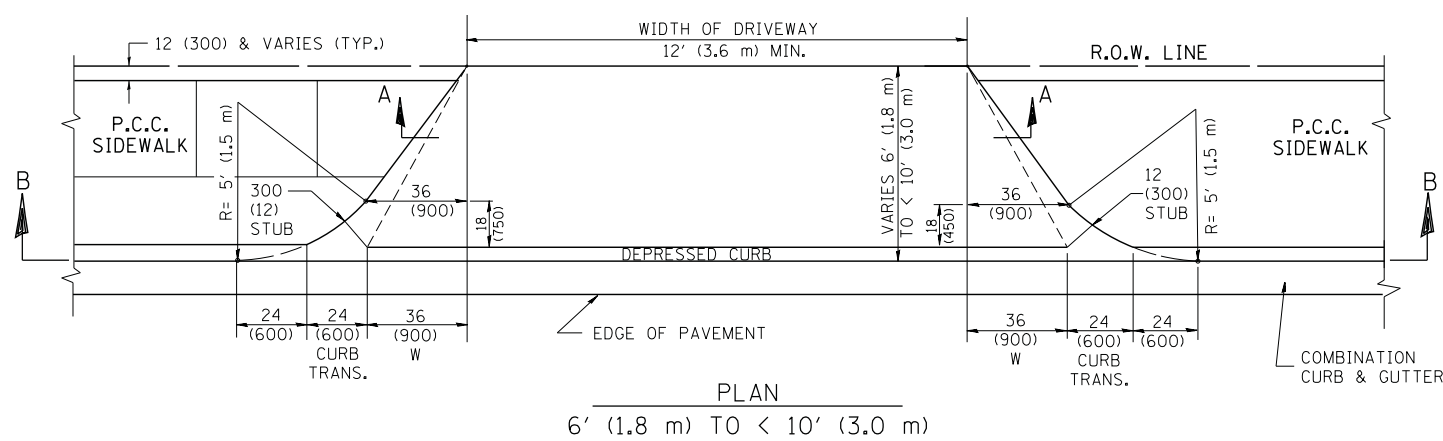
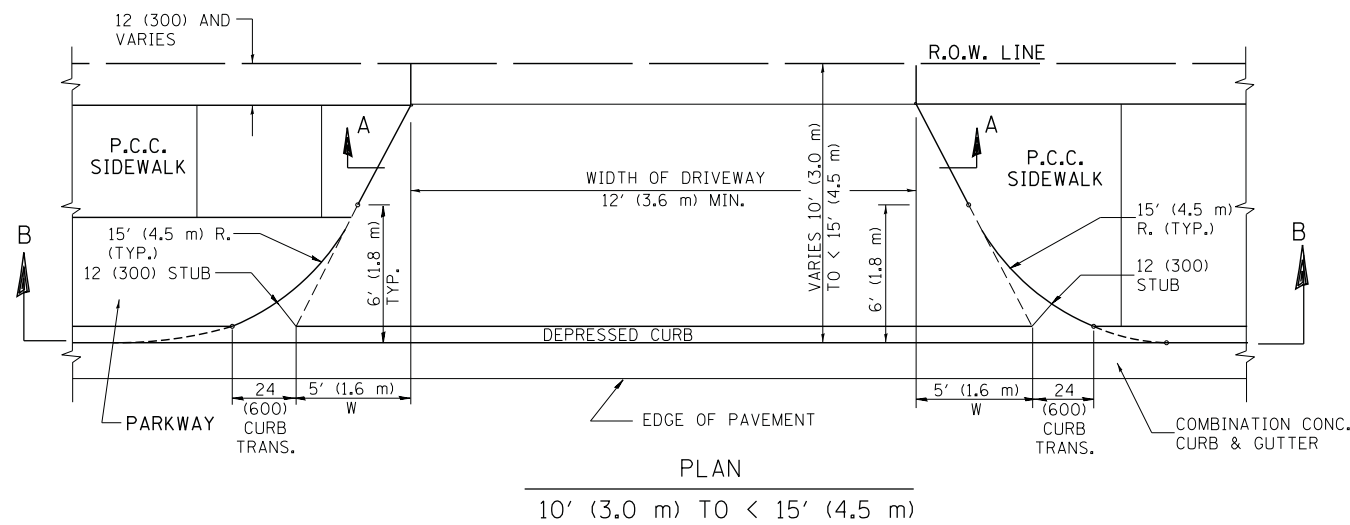
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PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAIN STREET RECONSTRUCTION  
CONSTRUCTION DETAILS**

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

F.A.P. RTE.	F.A.U. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
524/1442	12-00073-02-FP	KANE	207	153
CONTRACT NO. 61F32			ILLINOIS FED. AID PROJECT	



**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 P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

THE 1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

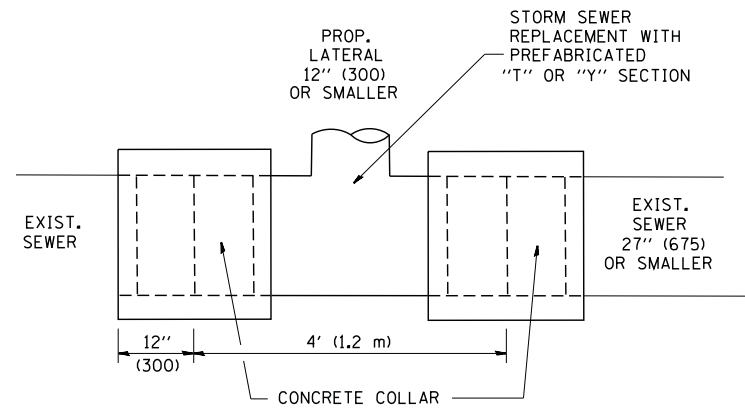
"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

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

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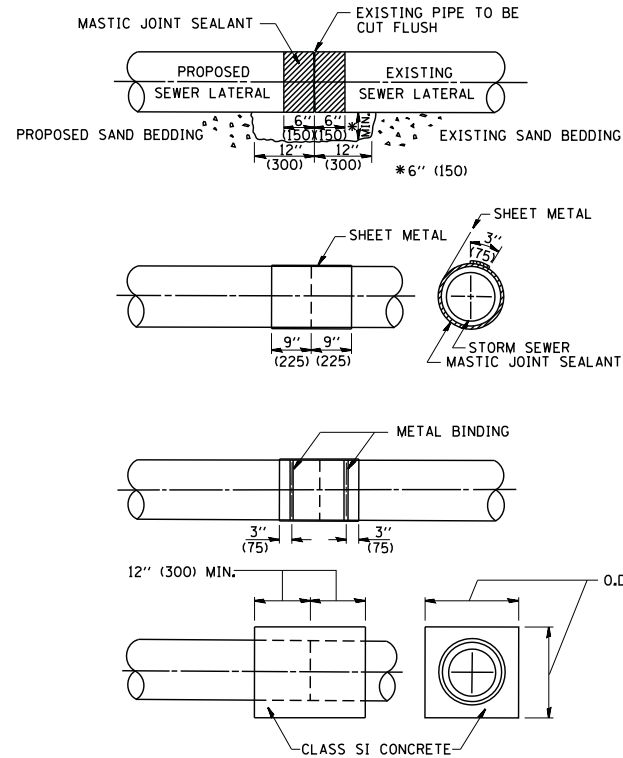
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DRIVEWAY DETAILS</b>		F.A.P.F.A.U. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
<b>DISTANCE BETWEEN ROW AND FACE OF CURB &lt; 15' (4.5 m)</b>		524/1442 12-00073-02-FP	KANE	207	154
SCALE: NONE		<b>BD400-02 (BD-02)</b>	CONTRACT NO. 61F32		
SHEET NO. 1 OF 1 SHEETS		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			



DETAIL "A"

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

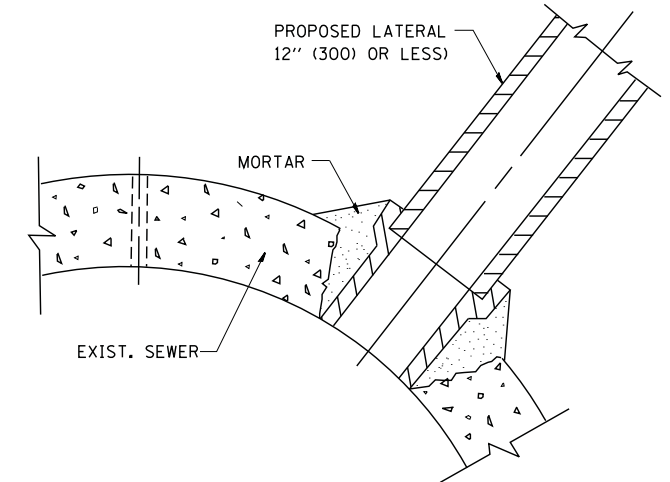


DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

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



DETAIL "C"

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

NOTES

MATERIAL

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

CONSTRUCTION METHODS

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

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

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS. THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

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

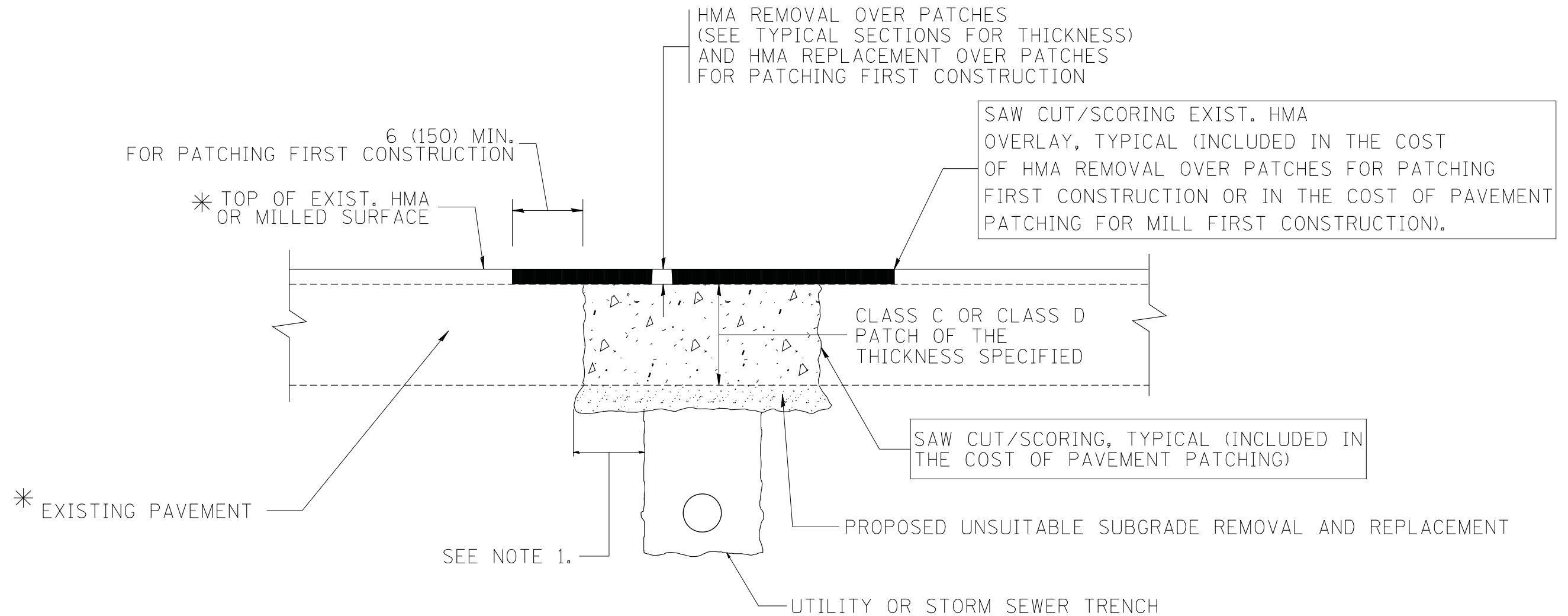
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	PLOT DATE = 1/4/2008	DATE - 07-25-90	REVISED - R. SHAH 06-12-96

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DETAIL OF STORM SEWER  
CONNECTION TO EXISTING SEWER

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P./F.A.U. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
624/1442 12-00073-02-FP	KANE	207	155
BD500-01 (BD-7)		CONTRACT NO. 61F32	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			



\* SEE TYPICAL SECTIONS FOR  
THICKNESS AND MATERIALS

**NOTES:**

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

**SEQUENCE OF CONSTRUCTION (PATCHING FIRST)**

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

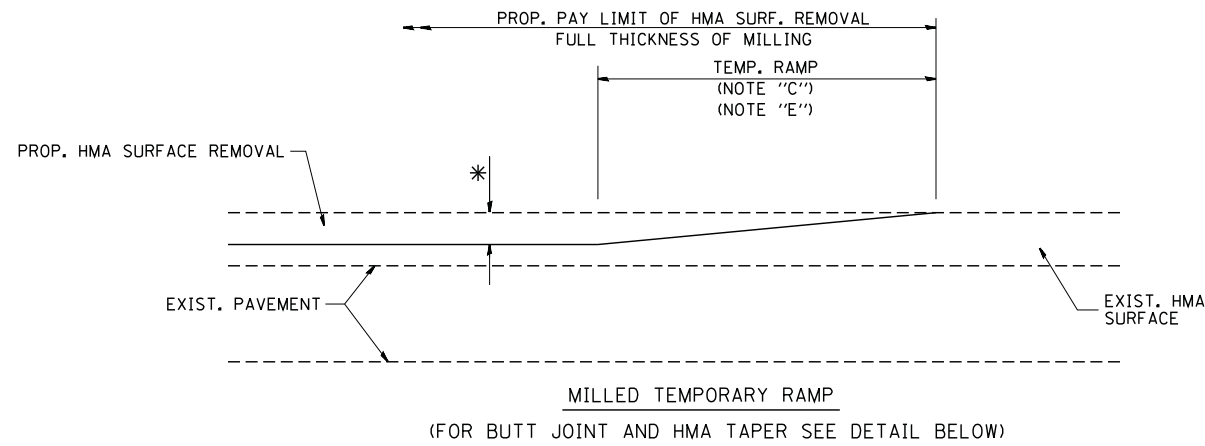
**SEQUENCE OF CONSTRUCTION (MILLING FIRST)**

1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

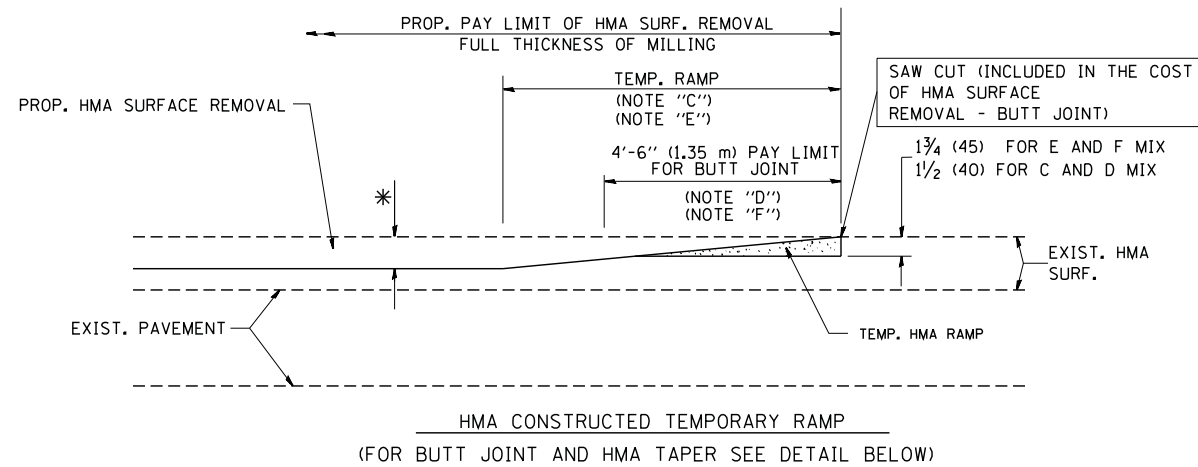
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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		DRAWN -	REVISED - R. BORO 01-01-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	12-00073-02-FP	KANE	207 156
		PLOT SCALE = 50.000' / IN.	REVISED - R. BORO 09-04-07					<b>BD400-04 (BD-22)</b>		CONTRACT NO. 61F32	
		PLOT DATE = 10/27/2008	REVISED - K. ENG 10-27-08					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			



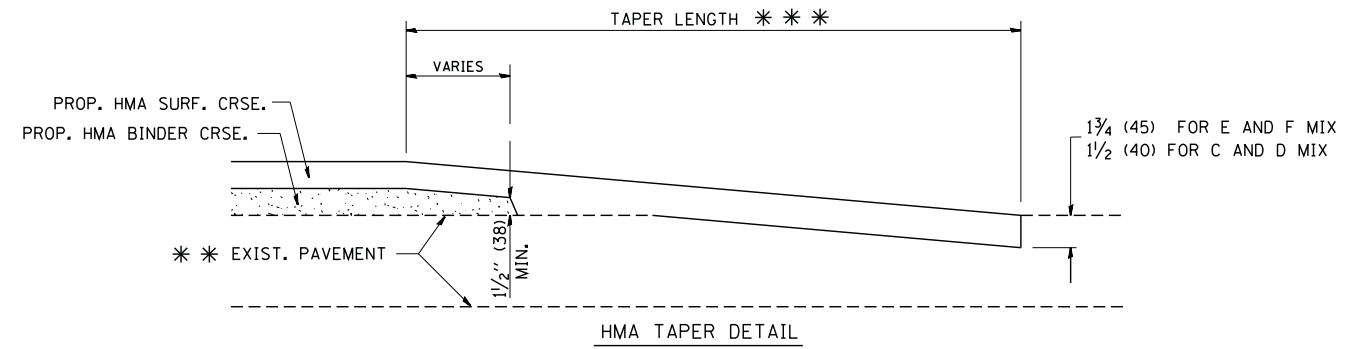
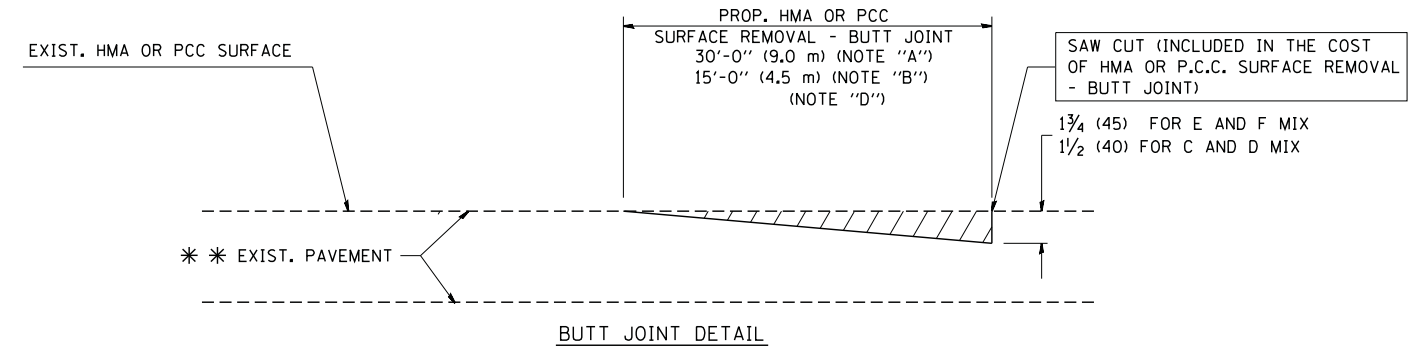


**OPTION 1**



**OPTION 2**

**TYPICAL TEMPORARY RAMP**



**TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY**

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

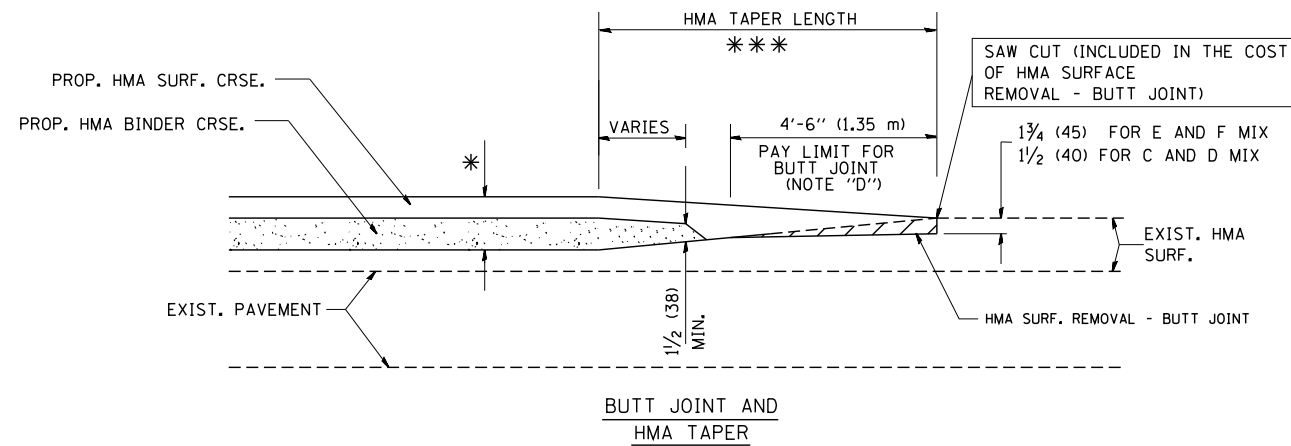
**NOTES**

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
  - 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'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
  - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
  - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- \* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- \*\*\* 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:**

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".

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



**TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING**

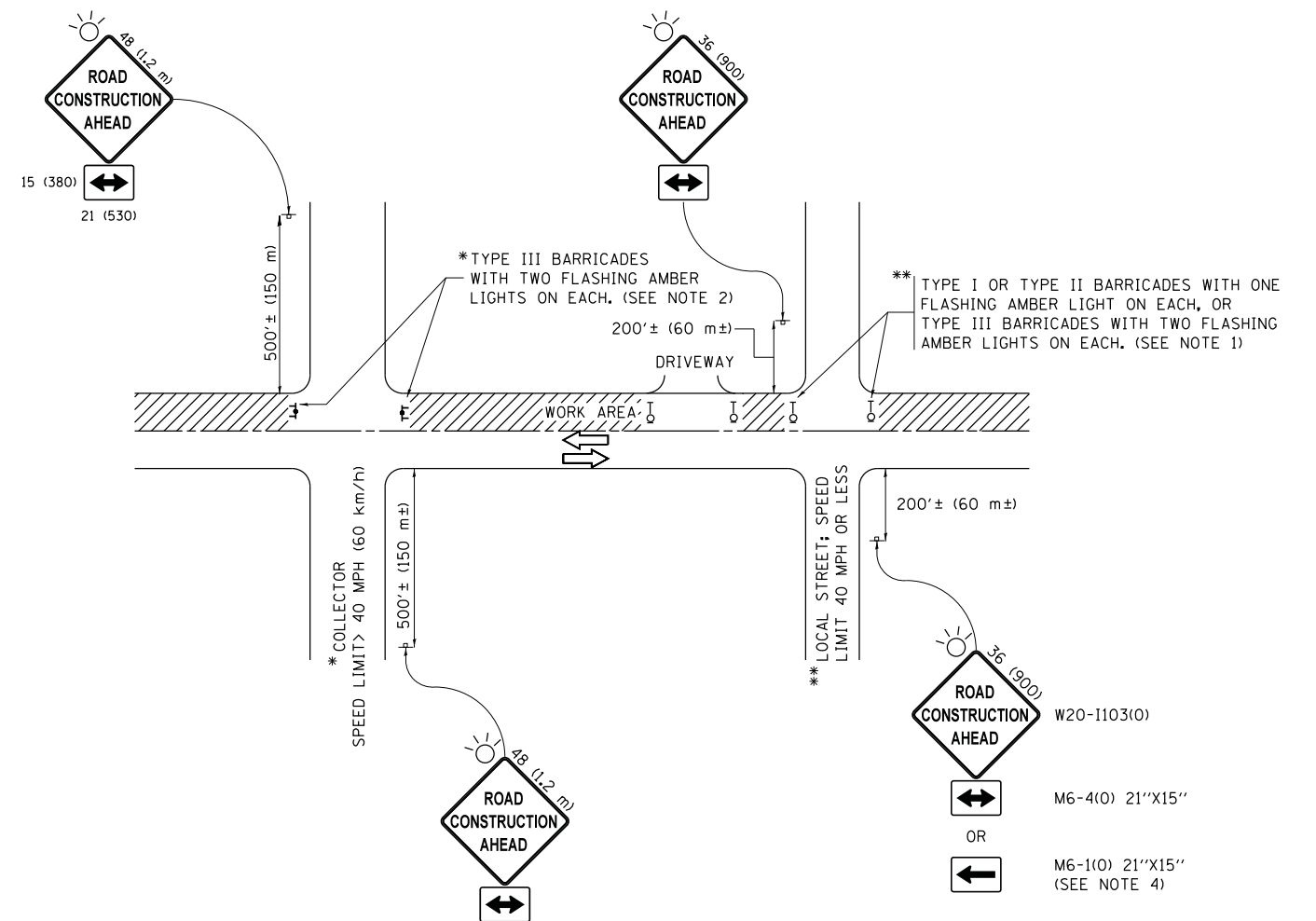
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	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND  
HMA TAPER DETAILS**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P.F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
624/1442	12-00073-02-FP	KANE	207	157
<b>BD400-05 BD32</b>		CONTRACT NO. 61F32		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**NOTES:**

1. 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:
  - a) 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.
  - b) 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.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) 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.
  - b) 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.
3. 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.
4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. 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.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. 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.

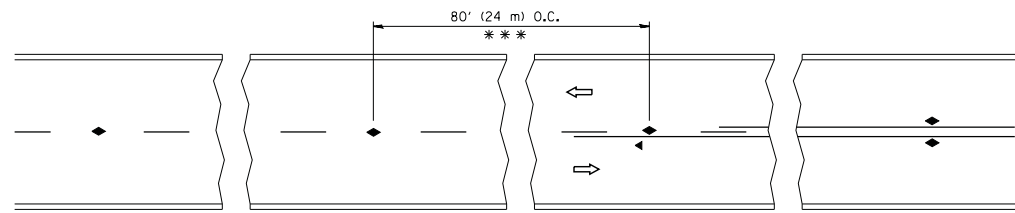
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Default	PLOT SCALE = 50.000' / in.	DATE - 06-89	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 9/15/2016		REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

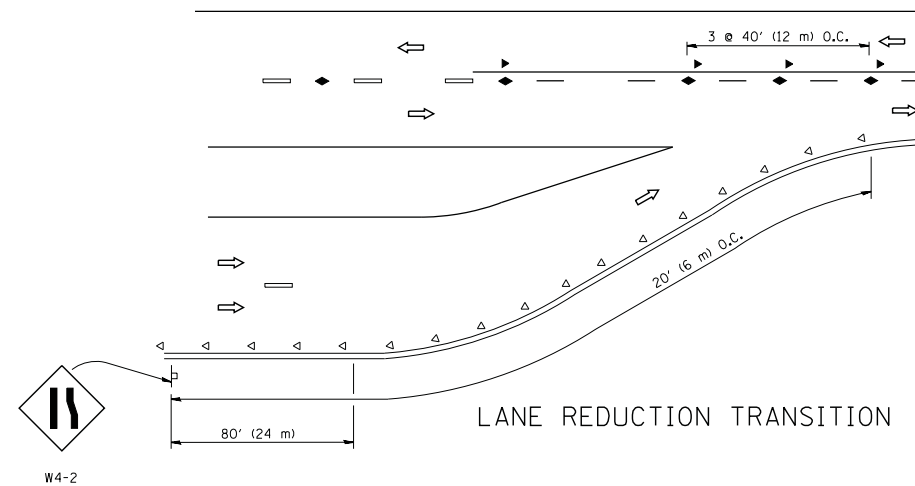
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TC-10			CONTRACT NO. 61F32	
ILLINOIS FED. AID PROJECT				

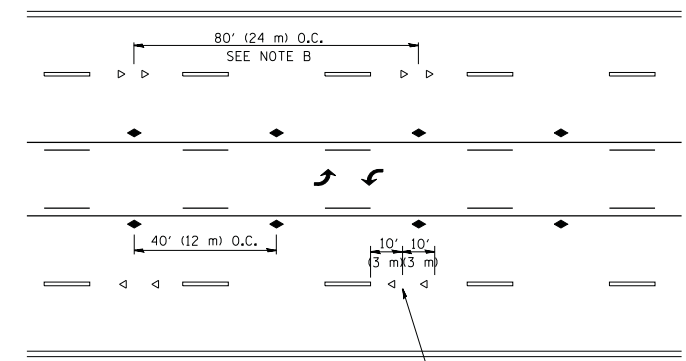


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

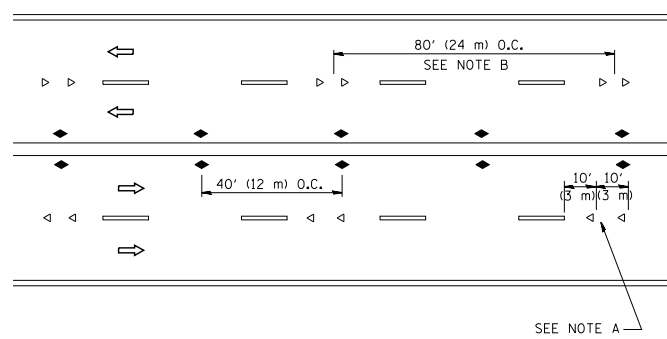
TWO-LANE/TWO-WAY



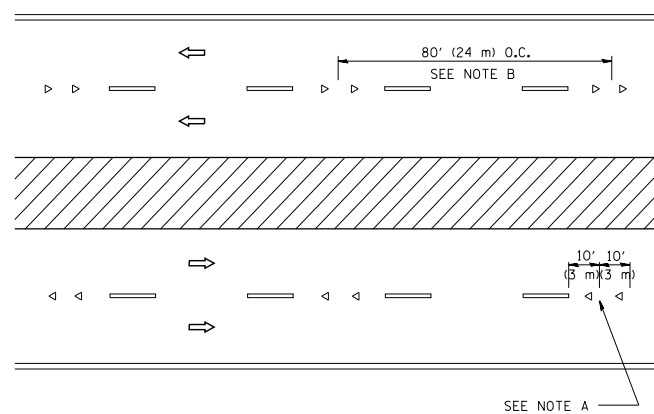
LANE REDUCTION TRANSITION



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.

SYMBOLS

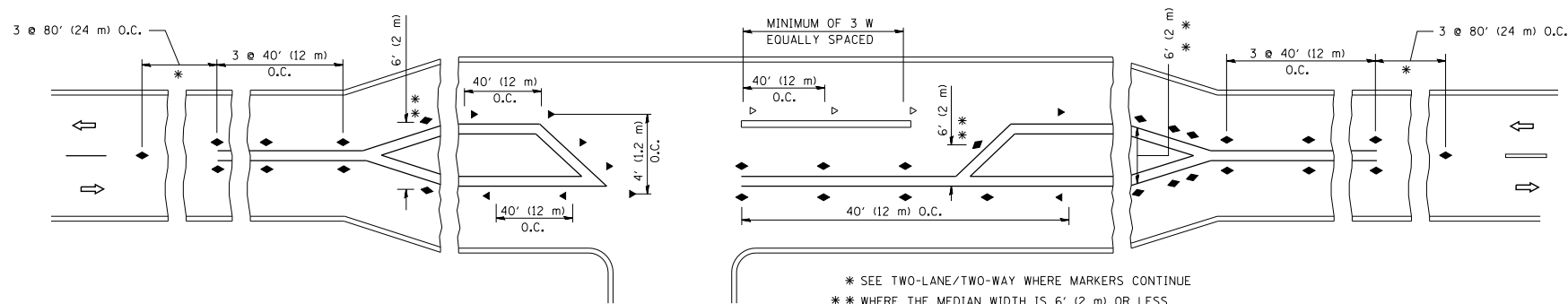
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.



\* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE  
 \*\* WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

LEFT TURN

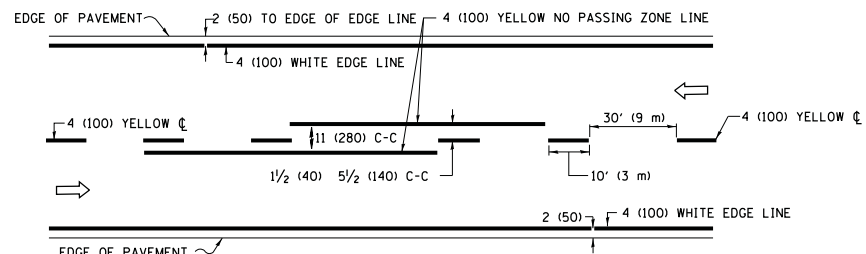
All dimensions are in inches (millimeters) unless otherwise shown.

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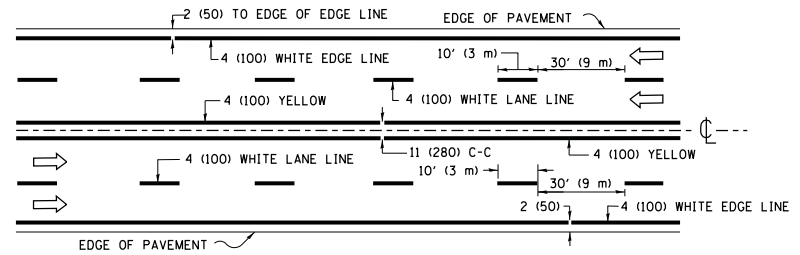
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS			
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

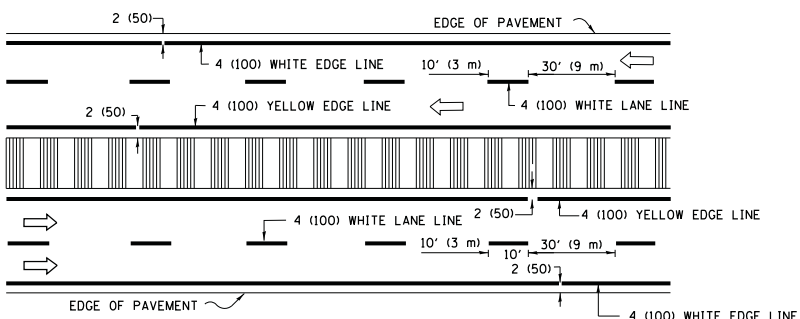
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624/1442 12-00073-02-FP	KANE	207	159
TC-11		CONTRACT NO. 61F32	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			



**2-LANE ROADWAY**

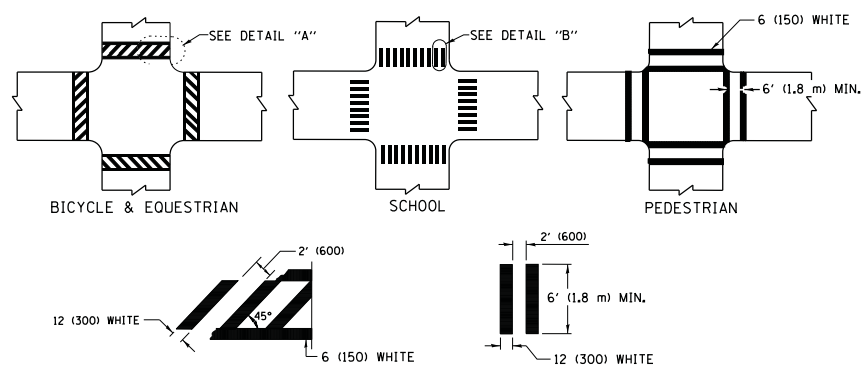


**MULTI-LANE UNDIVIDED**



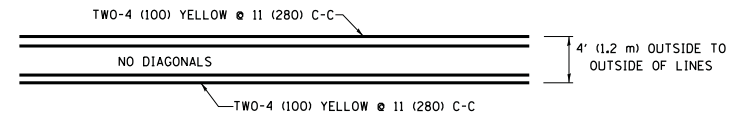
**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

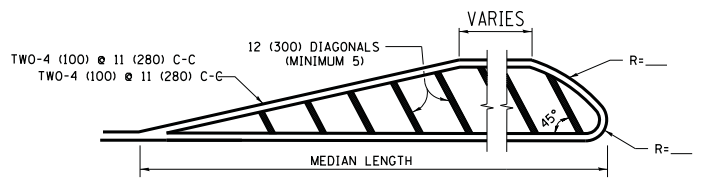


**TYPICAL CROSSWALK MARKING**

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

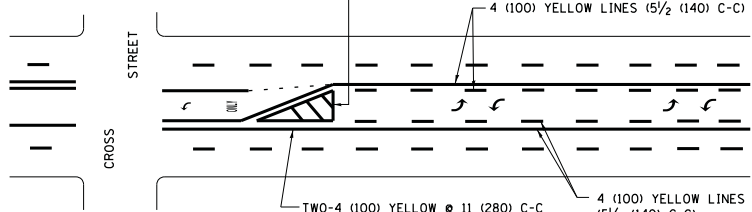


**4' (1.2 m) WIDE MEDIANS ONLY**



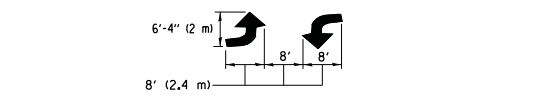
**MEDIANS OVER 4' (1.2 m) WIDE**

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))  
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)  
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))



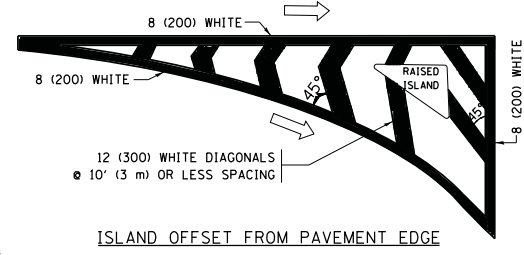
**MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING**

A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.

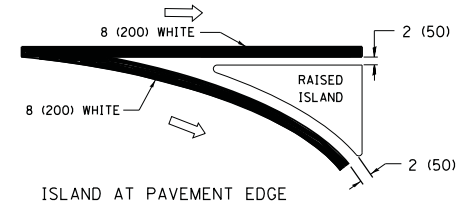


**TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING**

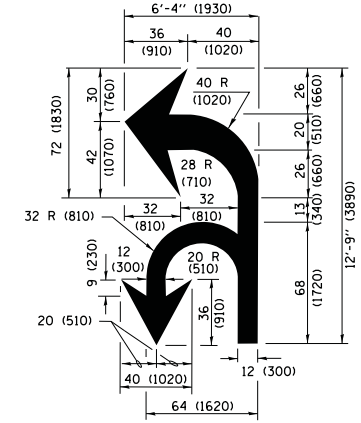
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)  
\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".



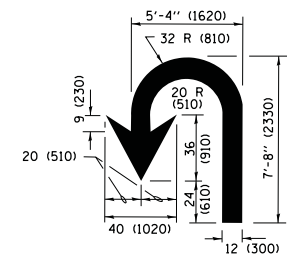
**ISLAND OFFSET FROM PAVEMENT EDGE**



**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 ONE DIRECTION 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) 5 (125) ON FREEWAYS	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 AREA OF: "R"=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
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.

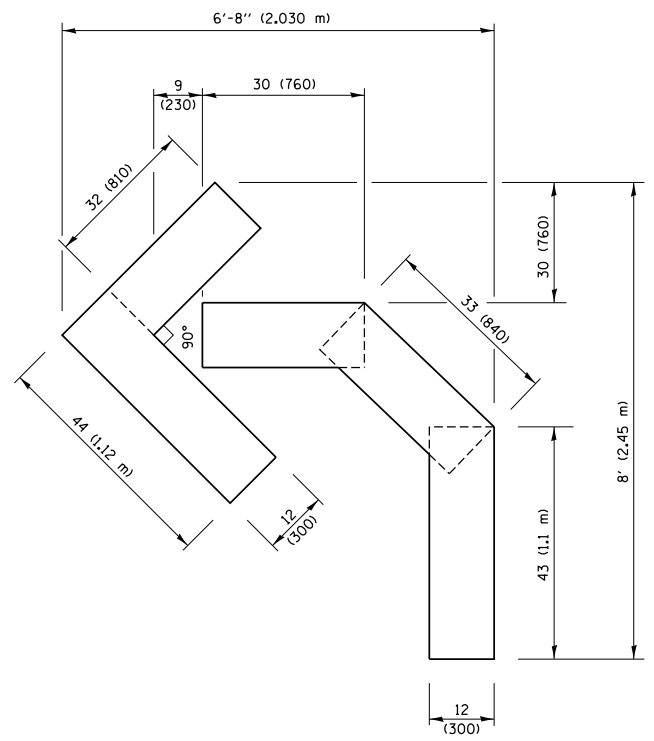
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		DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

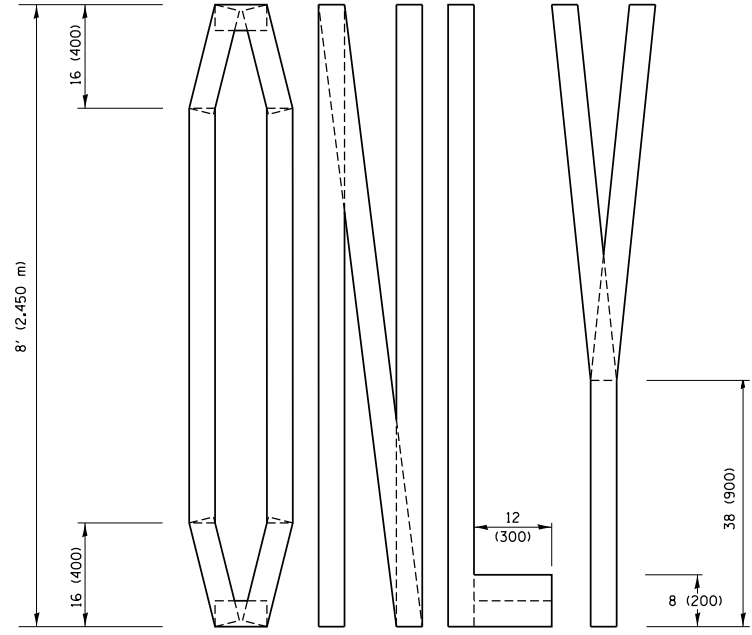
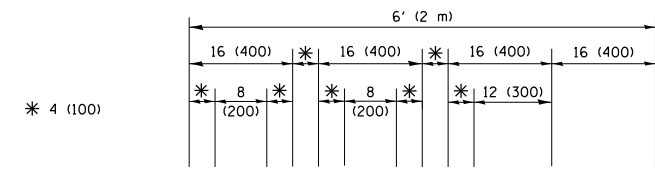
**DISTRICT ONE TYPICAL PAVEMENT MARKINGS**

SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.
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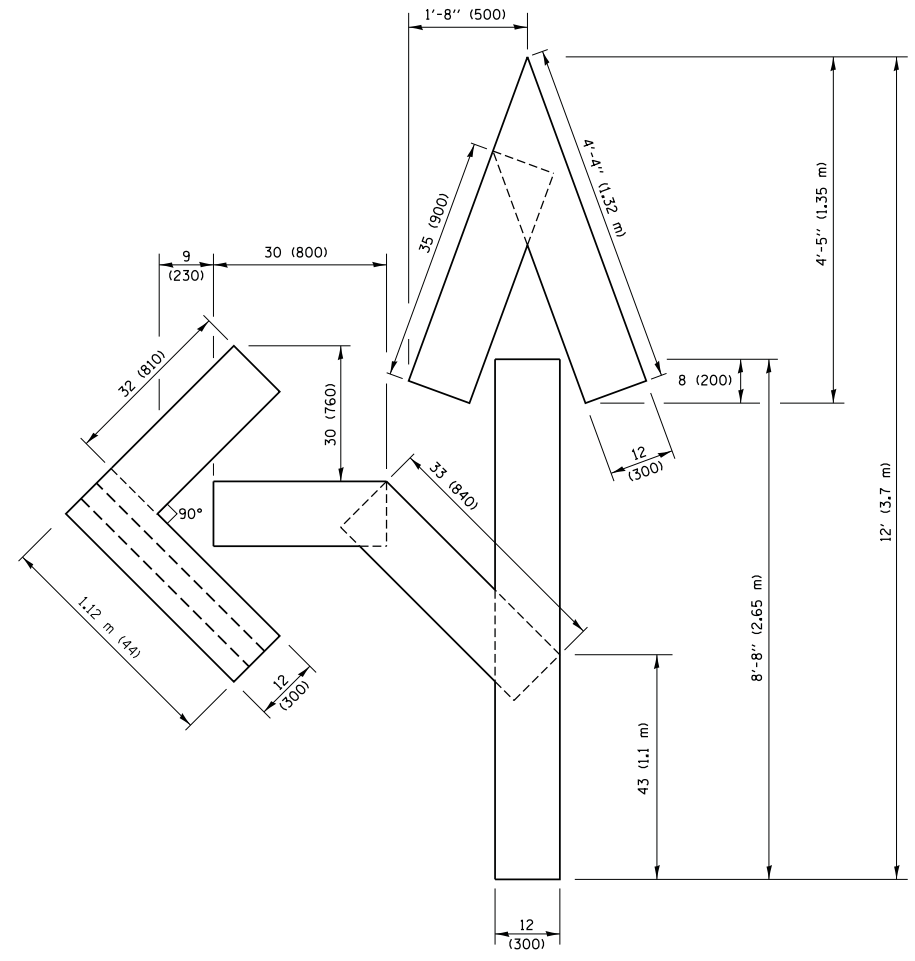
F.A.P./F.A.U. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
624/1442 12-00073-02-FP	KANE	207	160
TC-13	CONTRACT NO.	61F32	
ILLINOIS FED. AID PROJECT			



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

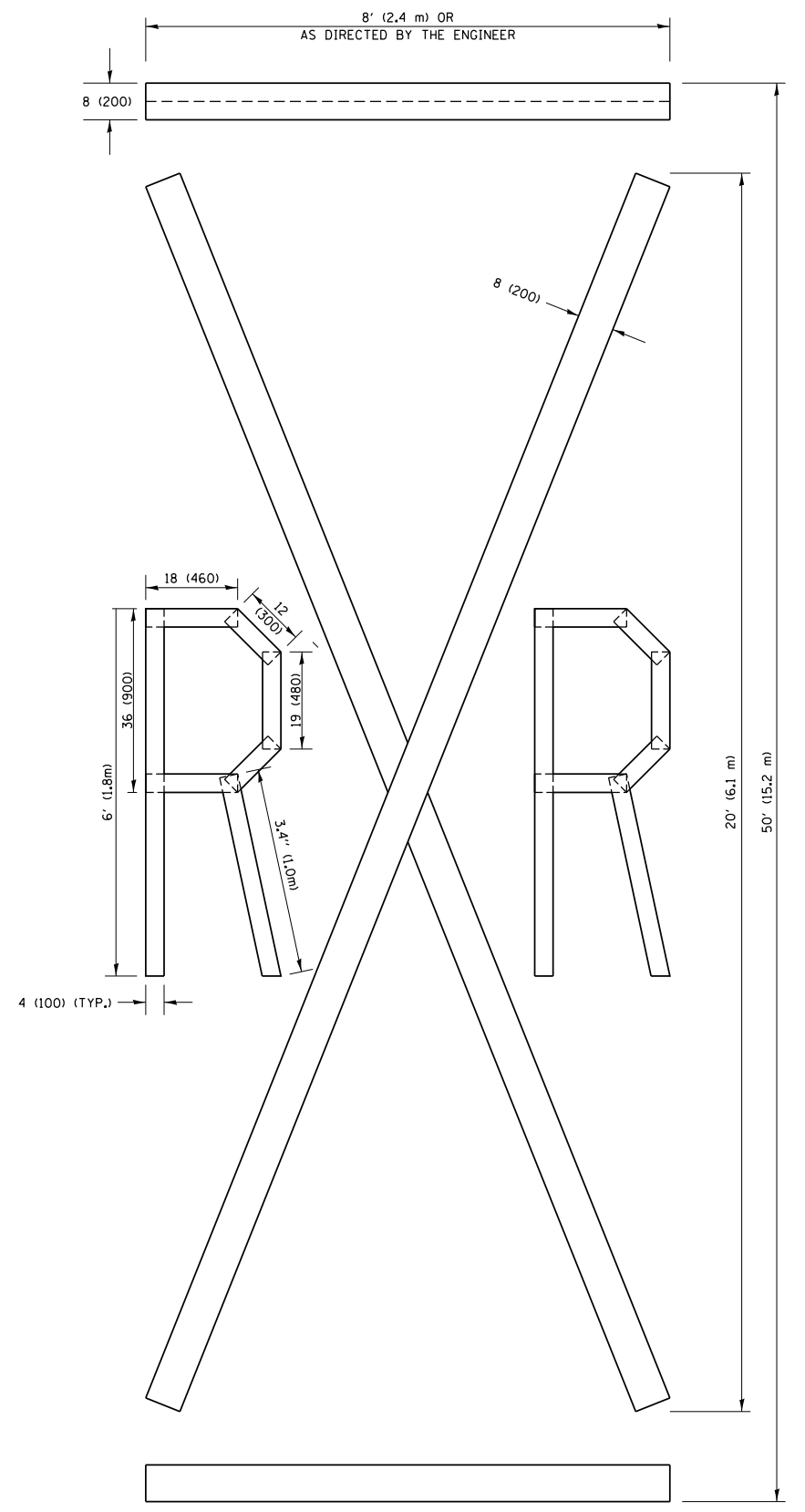


**QUANTITY**  
 4 (100) LINE = 64.1 ft. (19.5 m)  
 21.4 sq. ft. (1.99 sq. m)



**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.

FILE NAME =	USER NAME = footemj	DESIGNED -	REVISED -T. RAMMACHER 03-02-98
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		CHECKED -	REVISED -E. GOMEZ 08-28-00
		DATE -	REVISED -A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS**

SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.
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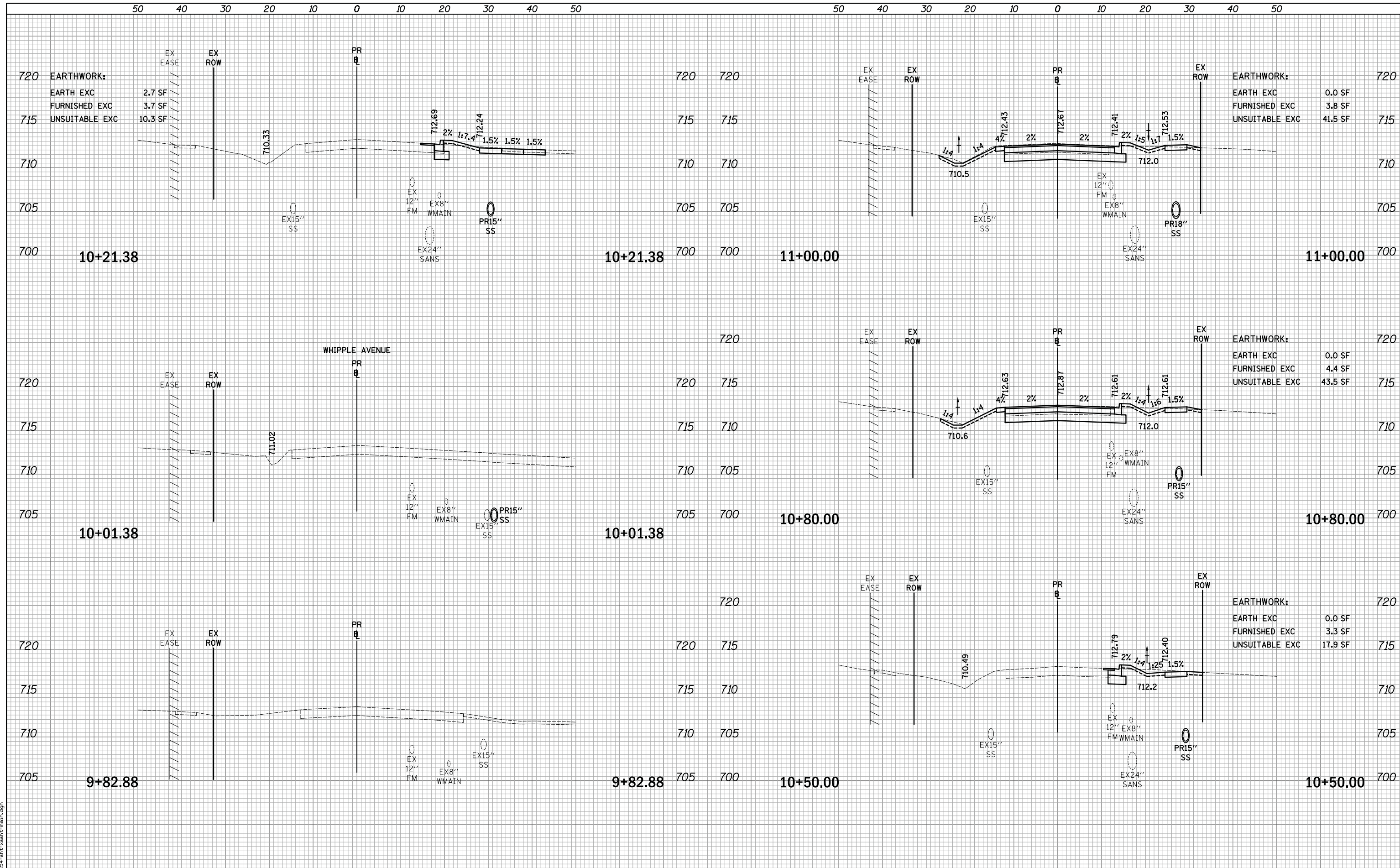
F.A.P.F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
624/1442	12-00073-02-FP	KANE	207	161
TC-16		CONTRACT NO. 61F32		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

PLOT DRIVER = ...  
 PEN TABLE = ...  
 FILE NAME = ...



USER NAME = mjp	DESIGNED - MJP	REVISED -
	DRAWN - MJP	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - DNM	REVISED -
PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

SCALE: 1"=10'H/5'V		SHEET	OF	SHEETS	STA. 9+82.88	TO STA. 11+00.00
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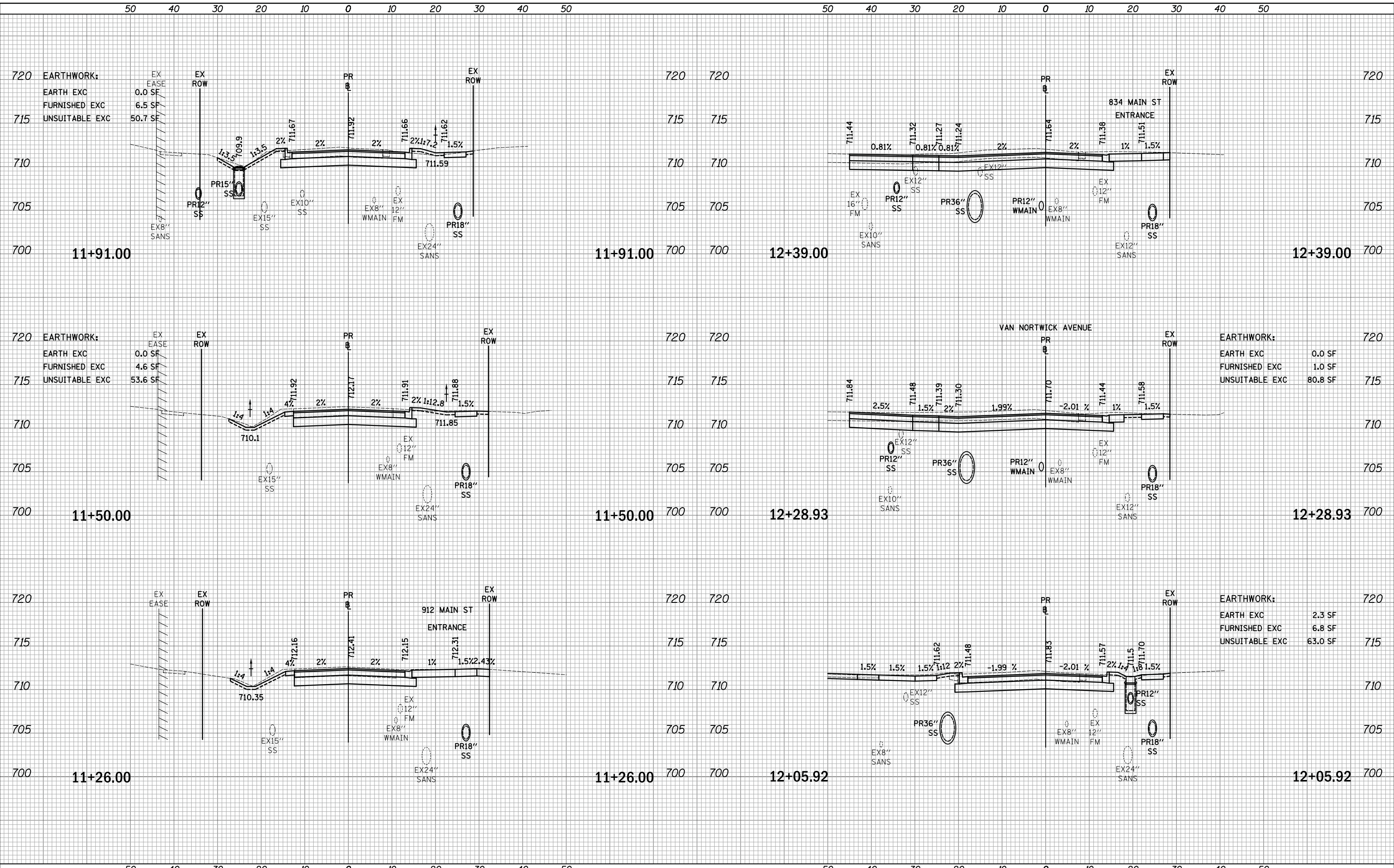
**MAIN STREET**  
**CROSS SECTIONS**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
524	12-00073-02-FP	KANE	207	163
CONTRACT NO. 61F32			ILLINOIS FED. AID PROJECT	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

PLOT DRIVER = ...  
 PEN TABLE = ...  
 FILE NAME = ...



	USER NAME = mjp	DESIGNED - MJP	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>MAIN STREET</b> <b>CROSS SECTIONS</b>		F.A.P. RTE. 524	SECTION 12-00073-02-FP	COUNTY KANE	TOTAL SHEETS 207	SHEET NO. 164
	PLOT SCALE = 10.0000' / in.	CHECKED - DNM	REVISED -		SCALE: 1"=10'H/5'V	SHEET OF SHEETS	STA. 11+26.00 TO STA. 12+39.00	CONTRACT NO. 61F32		ILLINOIS FED. AID PROJECT	
	PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -								

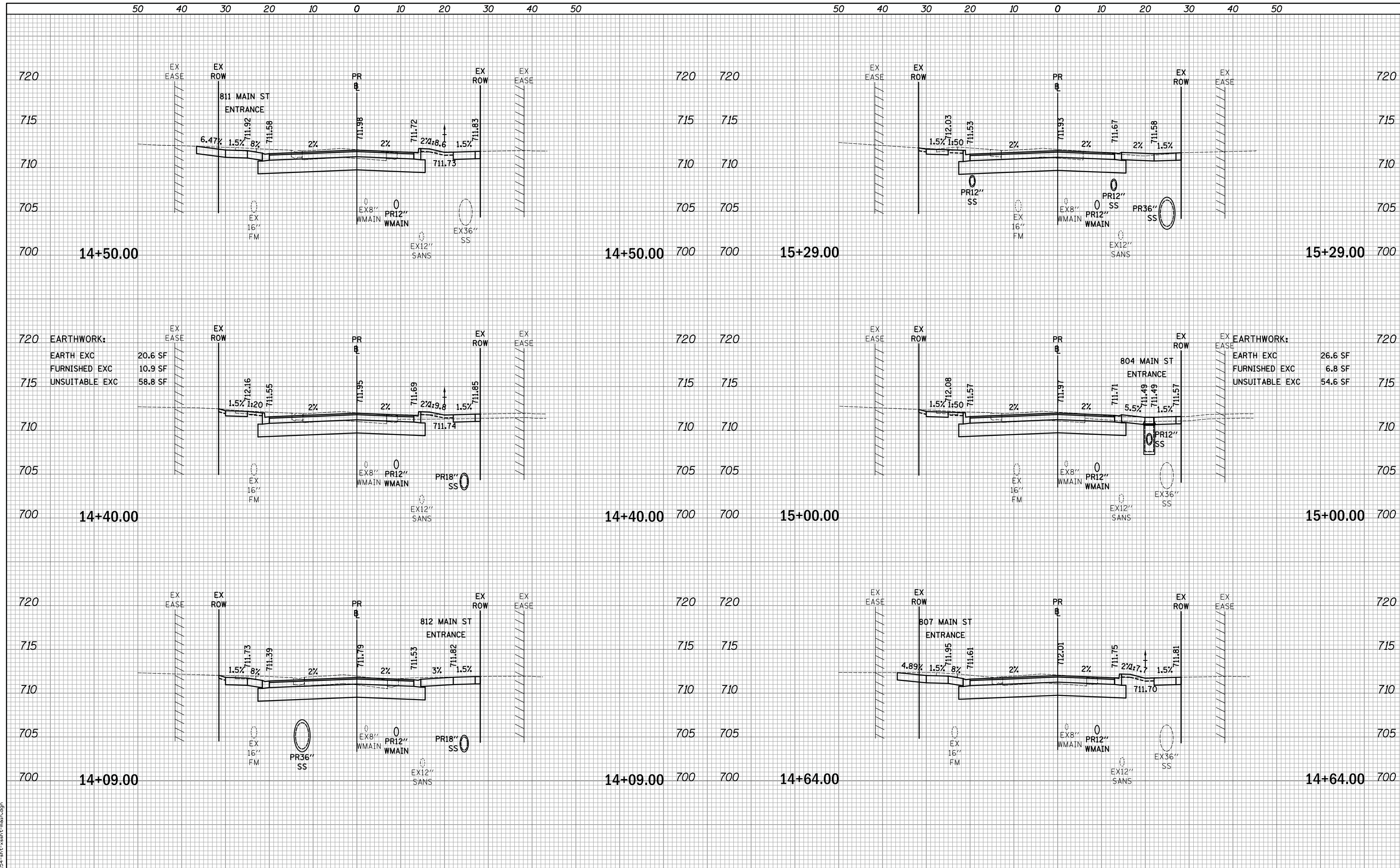




DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

PLOT DRIVER = ...  
 PEN TABLE = ...  
 FILE NAME = ...



USER NAME = mjp	DESIGNED - MJP	REVISED -
	DRAWN - MJP	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - DNM	REVISED -
PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

SCALE: 1"=10'H/5'V	SHEET	OF	SHEETS	STA. 14+09.00	TO STA. 15+29.00
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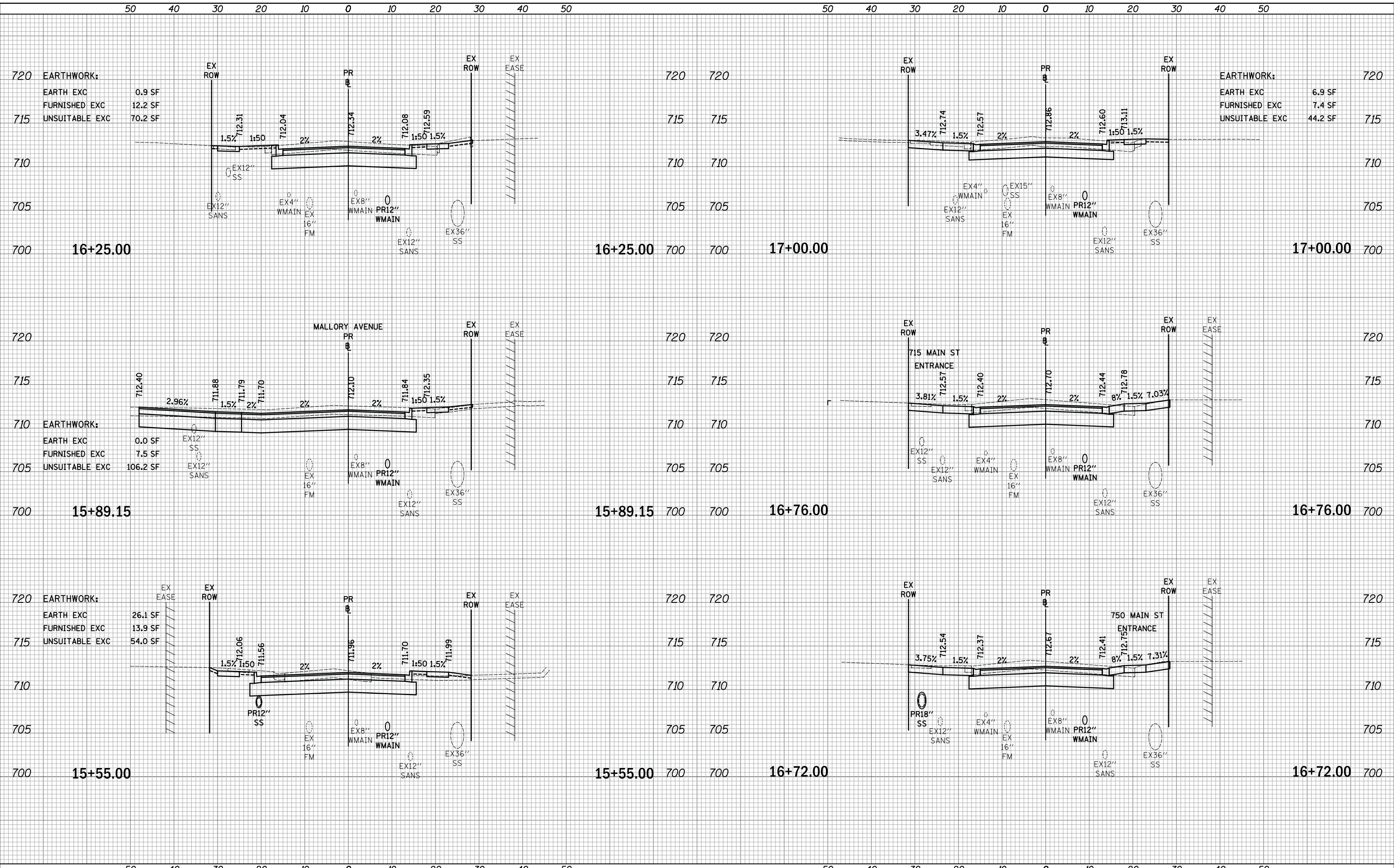
**MAIN STREET**  
**CROSS SECTIONS**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
524	12-00073-02-FP	KANE	207	166
CONTRACT NO. 61F32			ILLINOIS FED. AID PROJECT	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

PLOT DRIVER = ...  
 PEN TABLE = ...  
 FILE NAME = ...



USER NAME = mjp	DESIGNED - MJP	REVISED -
	DRAWN - MJP	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - DNM	REVISED -
PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SCALE: 1"=10'H/5'V	SHEET	OF	SHEETS	STA. 15+55.00	TO STA. 17+00.00
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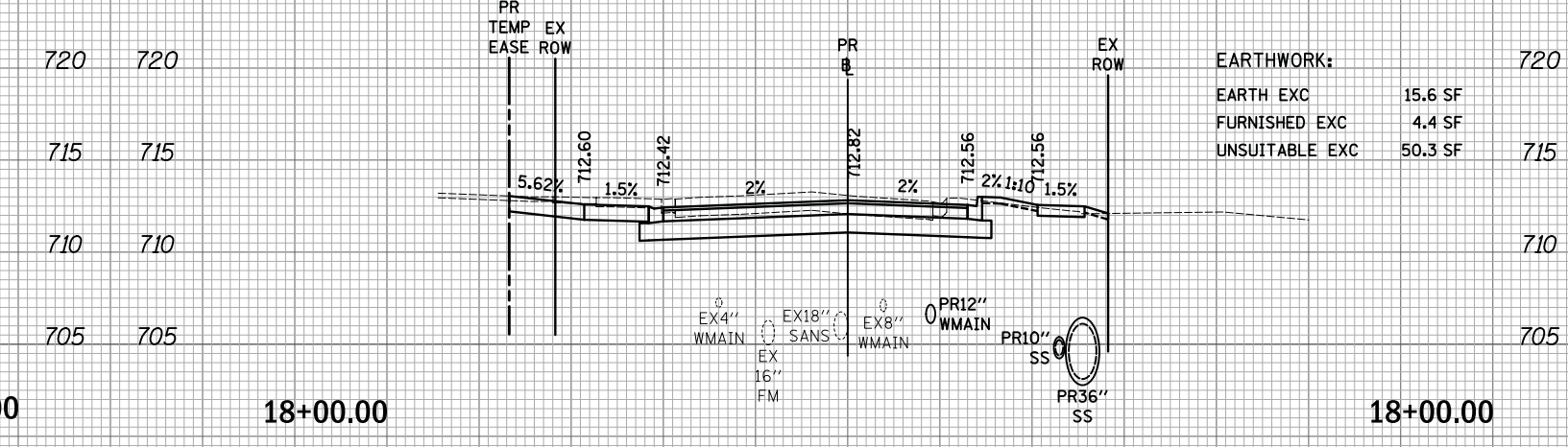
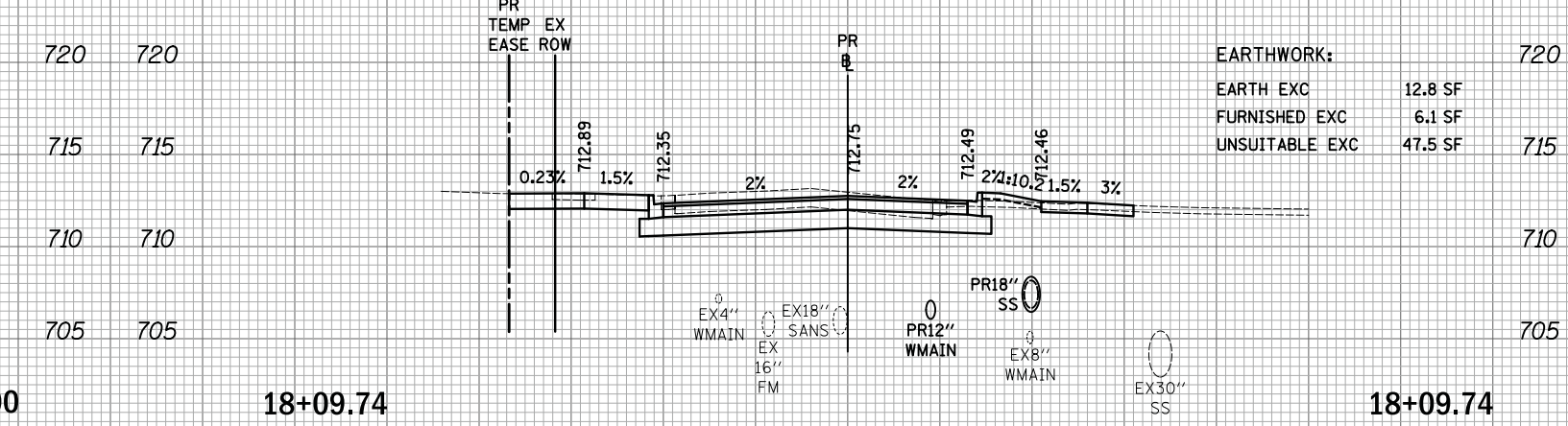
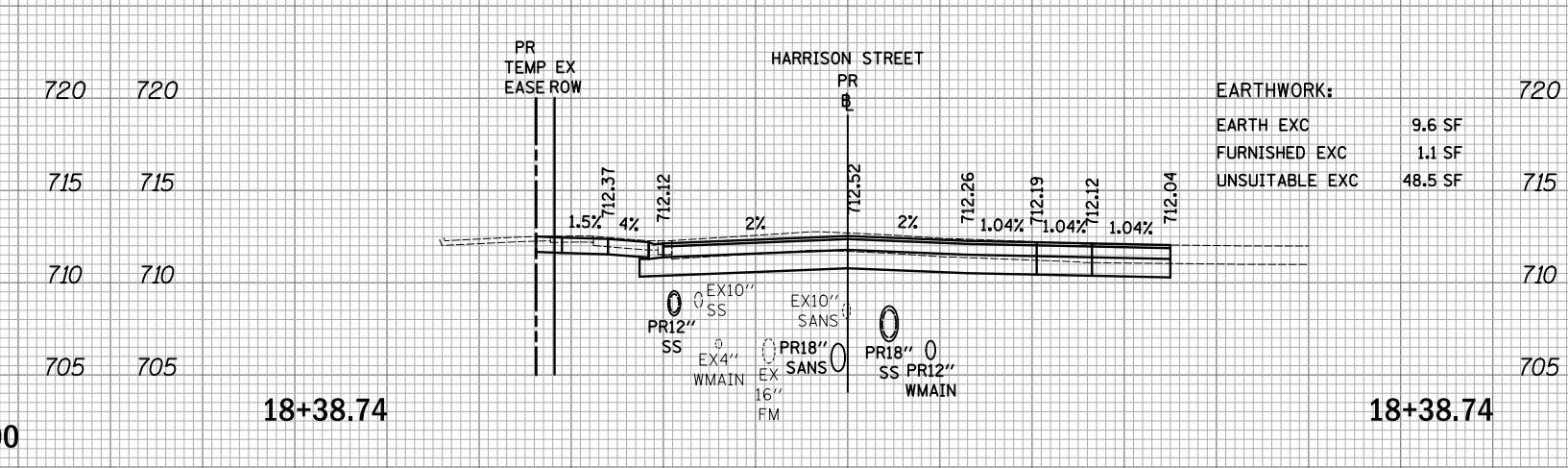
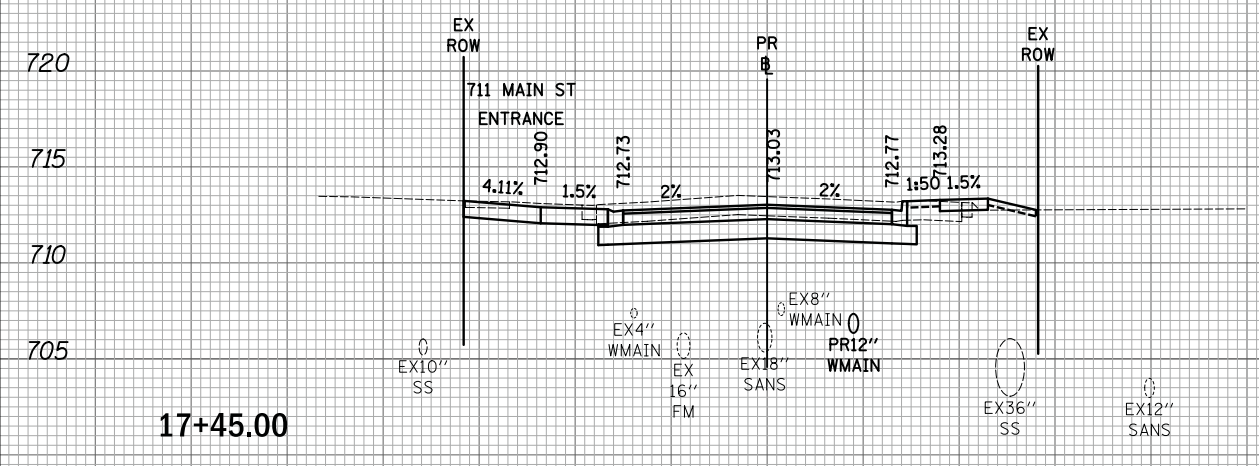
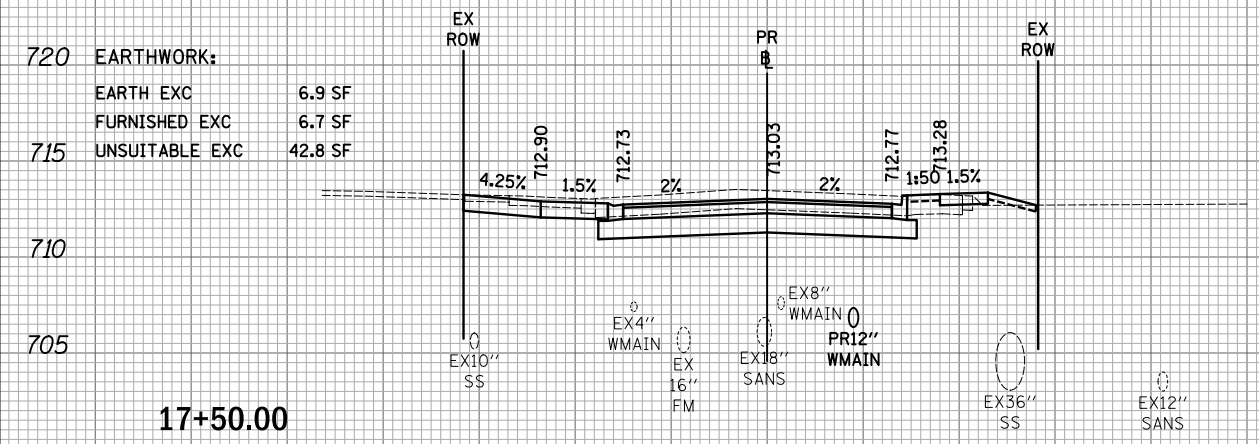
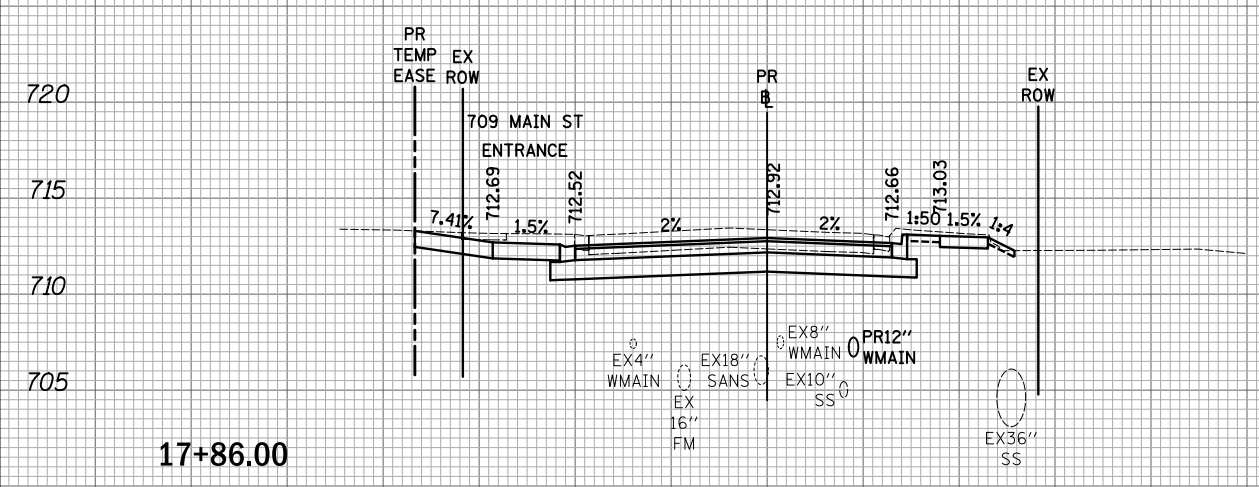
MAIN STREET  
 CROSS SECTIONS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
524	12-00073-02-FP	KANE	207	167
CONTRACT NO. 61F32			ILLINOIS FED. AID PROJECT	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

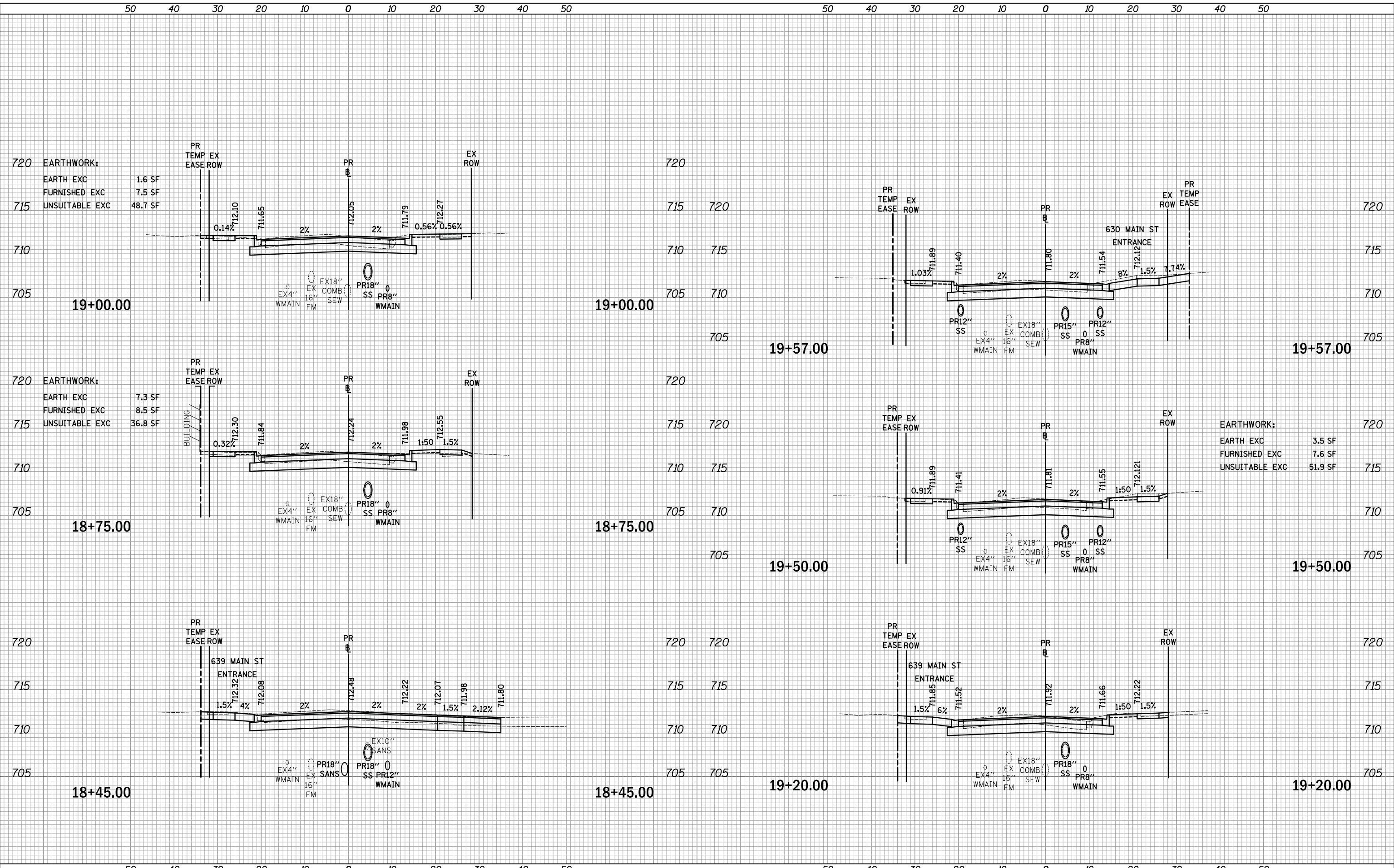
PLOT DRIVER = ...  
 PEN TABLE = ...  
 FILE NAME = ...



DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

PLOT DRIVER = ...  
 PEN TABLE = ...  
 FILE NAME = ...

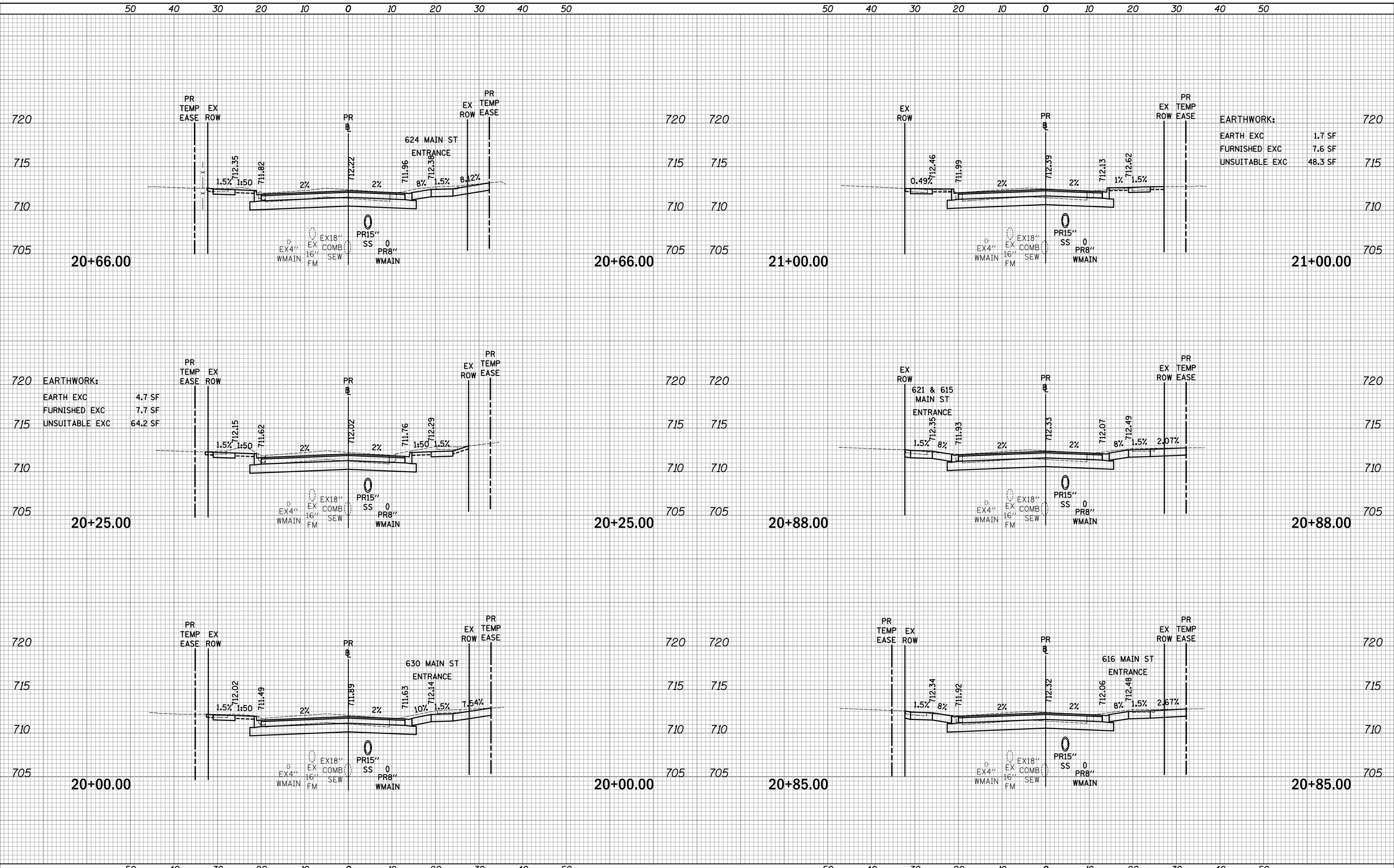


	USER NAME = m_jp DESIGNED - MJP DRAWN - MJP CHECKED - DNM DATE - 11/06/19	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>MAIN STREET</b> <b>CROSS SECTIONS</b>	F.A.P. RTE. 524 SECTION 12-00073-02-FP COUNTY KANE CONTRACT NO. 61F32	TOTAL SHEETS 207 SHEET NO. 169
	PLOT SCALE = 10.0000' / in. PLOT DATE = 11/5/2019	SCALE: 1"=10'H/5'V SHEET OF SHEETS STA. 18+45.00 TO STA. 19+57.00			ILLINOIS FED. AID PROJECT	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

PLOT DRIVER = ...  
 PEN TABLE = ...  
 FILE NAME = ...



USER NAME = mjp	DESIGNED - MJP	REVISED -
	DRAWN - MJP	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - DNM	REVISED -
PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

MAIN STREET  
 CROSS SECTIONS

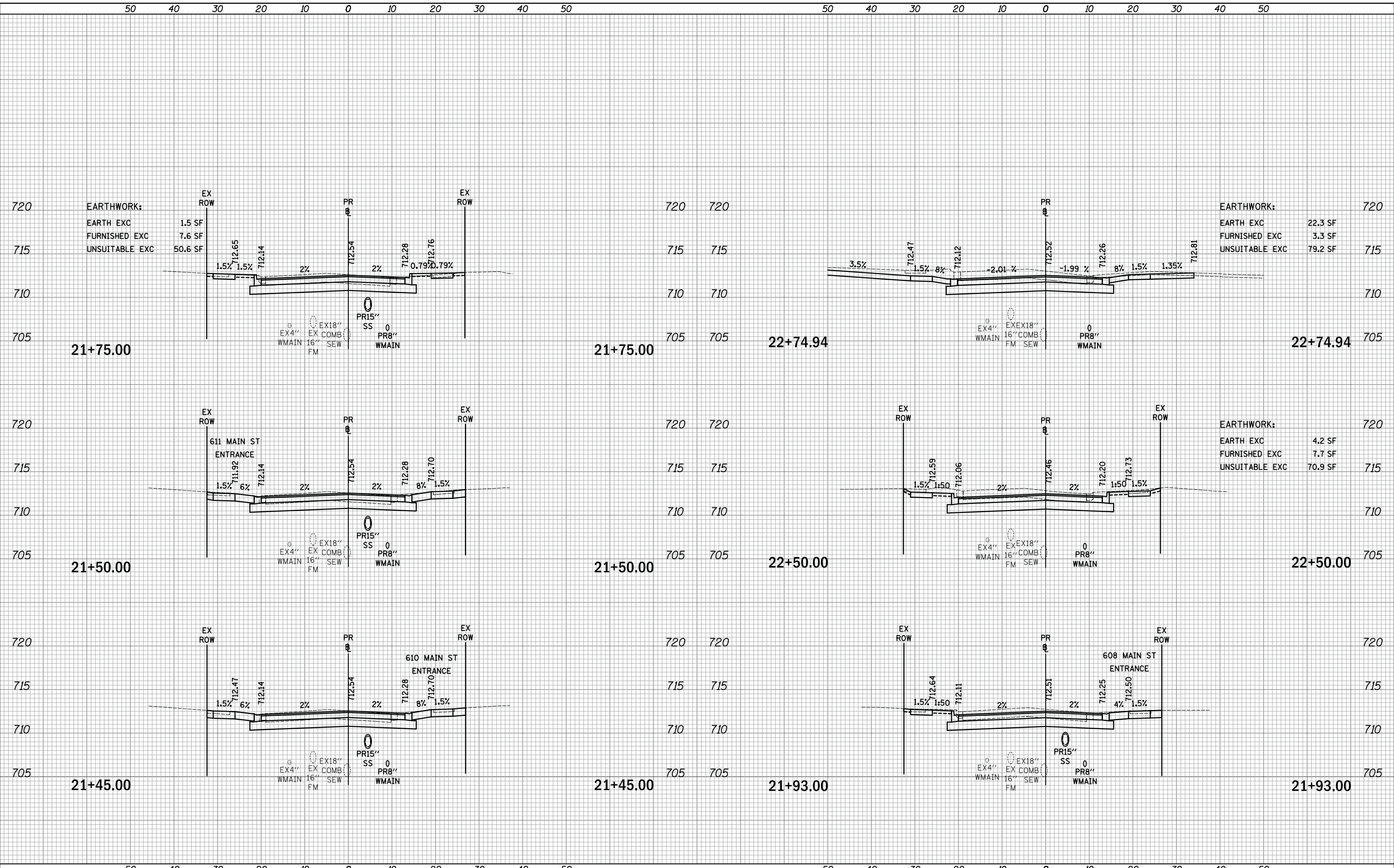
SCALE: 1"=10'H/5'V SHEET OF SHEETS STA. 20+00.00 TO STA. 21+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
524	12-00073-02-FP	KANE	207	170
				CONTRACT NO. 61F32
				ILLINOIS FED. AID PROJECT

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	

PLOT DRIVER = ...  
 PEN TABLE = ...  
 FILE NAME = ...



USER NAME = m_jp	DESIGNED - MJP	REVISED -
	DRAWN - MJP	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - DNM	REVISED -
PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

MAIN STREET  
 CROSS SECTIONS

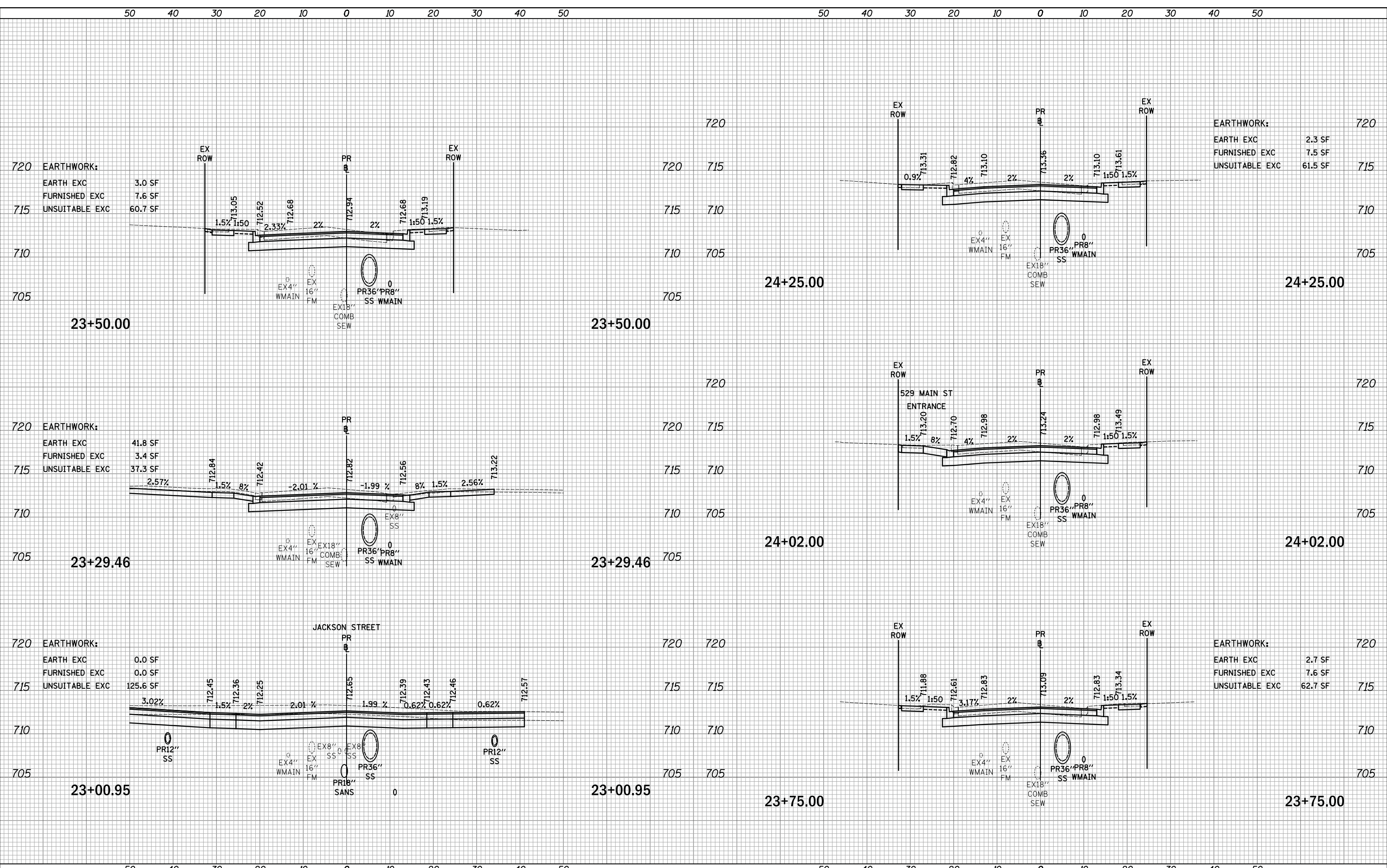
SCALE: 1"=10'H/5'V SHEET OF SHEETS STA. 21+45.00 TO STA. 22+74.94

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
524	12-00073-02-FP	KANE	207	171
			CONTRACT NO. 61F32	
		ILLINOIS FED. AID PROJECT		

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
FINAL	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
ORIGINAL	
NO.	

PLOT DRIVER = ...  
 PEN TABLE = ...  
 FILE NAME = ...



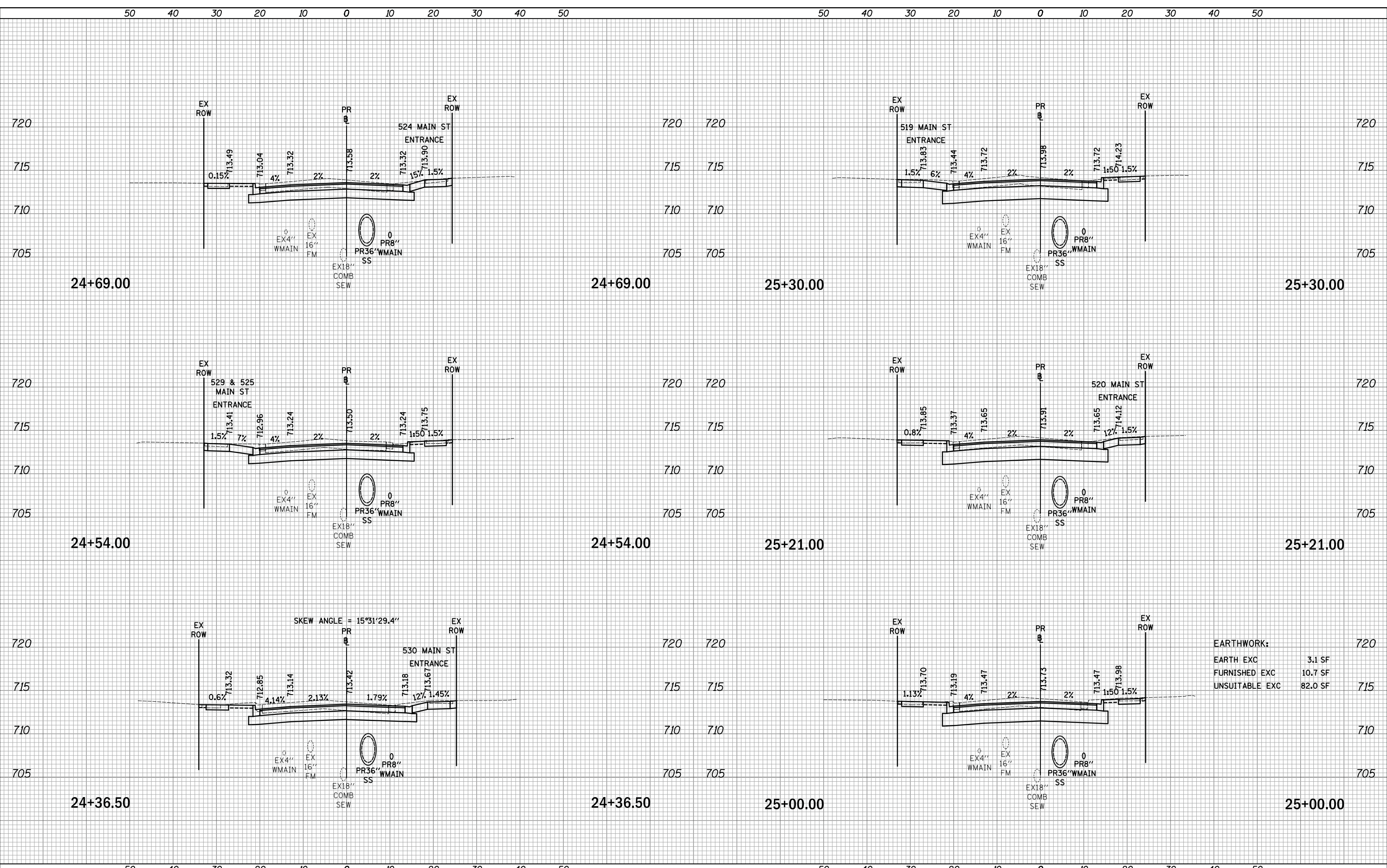
	USER NAME = mjp	DESIGNED - MJP	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>MAIN STREET</b> <b>CROSS SECTIONS</b>		F.A.P. RTE. 524	SECTION 12-00073-02-FP	COUNTY KANE	TOTAL SHEETS 207	SHEET NO. 172
	PLOT SCALE = 10.0000' / in.	CHECKED - DNM	REVISED -		SCALE: 1"=10'H/5'V	SHEET	OF SHEETS	STA. 23+00.95	TO STA. 24+25.00	CONTRACT NO. 61F32	
	PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -								



DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	

PLOT DRIVER = ...  
 PEN TABLE = ...  
 FILE NAME = ...



<b>EARTHWORK:</b>	
EARTH EXC	3.1 SF
FURNISHED EXC	10.7 SF
UNSUITABLE EXC	82.0 SF



USER NAME = mjp	DESIGNED - MJP	REVISED -
	DRAWN - MJP	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - DNM	REVISED -
PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**MAIN STREET  
 CROSS SECTIONS**

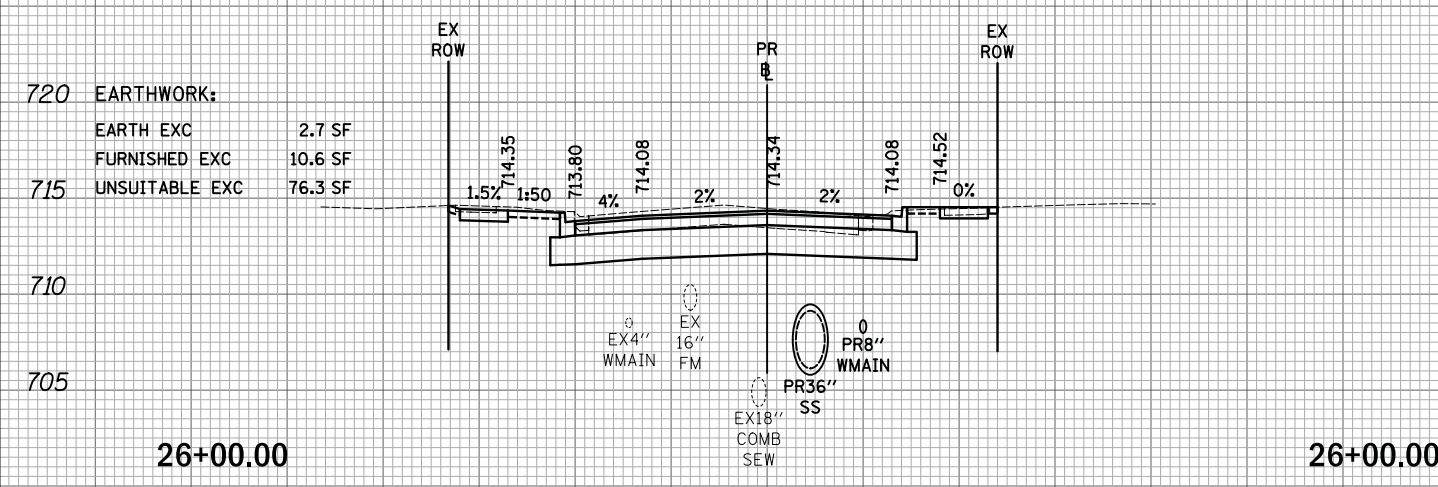
SCALE: 1"=10'H/5'V SHEET OF SHEETS STA. 24+36.50 TO STA. 25+30.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
524	12-00073-02-FP	KANE	207	173
CONTRACT NO. 61F32				
ILLINOIS		FED. AID PROJECT		

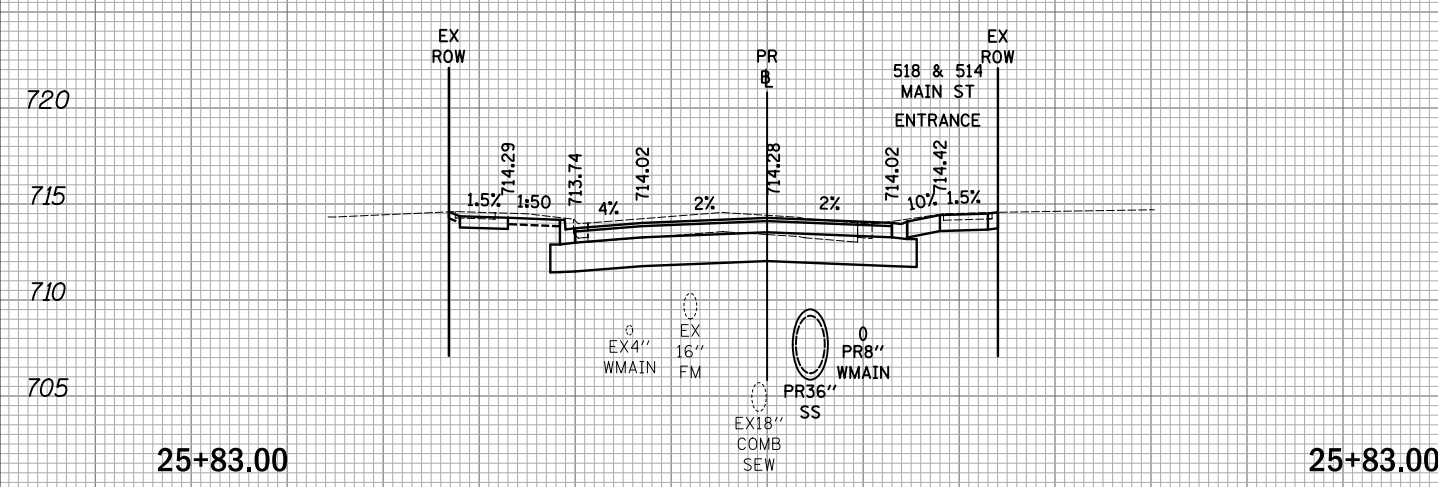
DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	

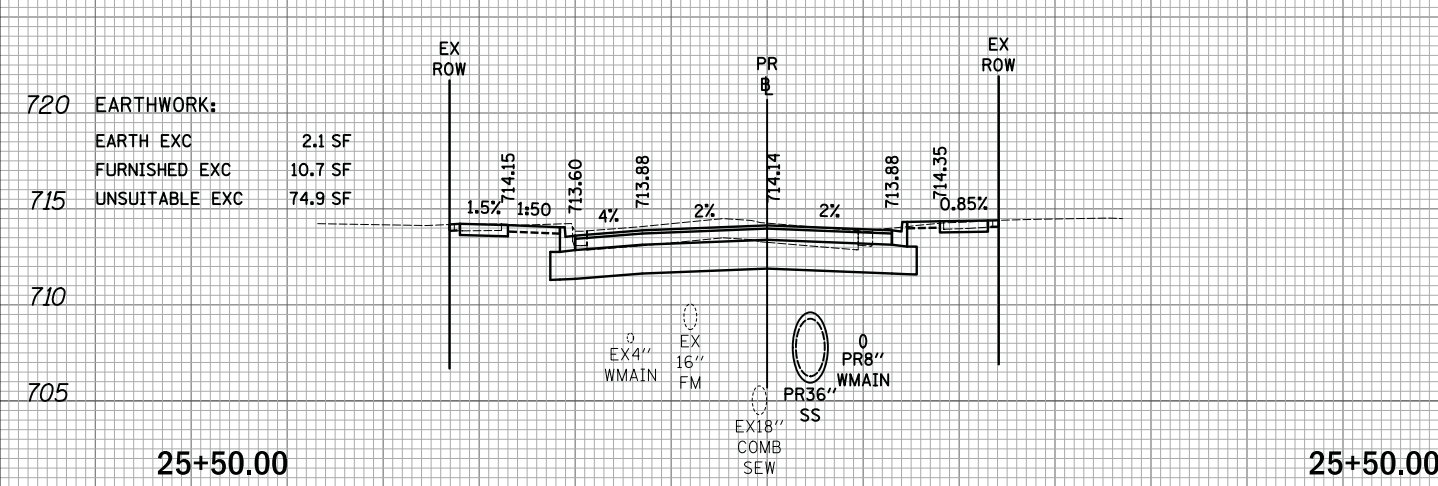
PLOT DRIVER = ...  
 PEN TABLE = ...  
 FILE NAME = ...



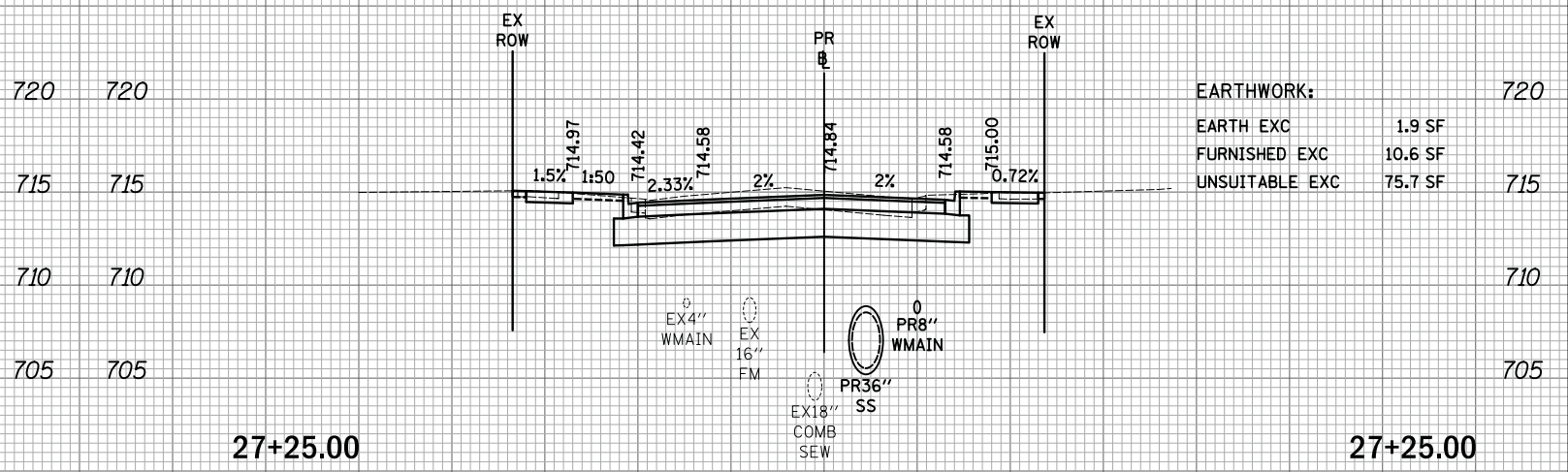
720	EARTHWORK:		
	EARTH EXC	2.7 SF	
	FURNISHED EXC	10.6 SF	
715	UNSUITABLE EXC	76.3 SF	



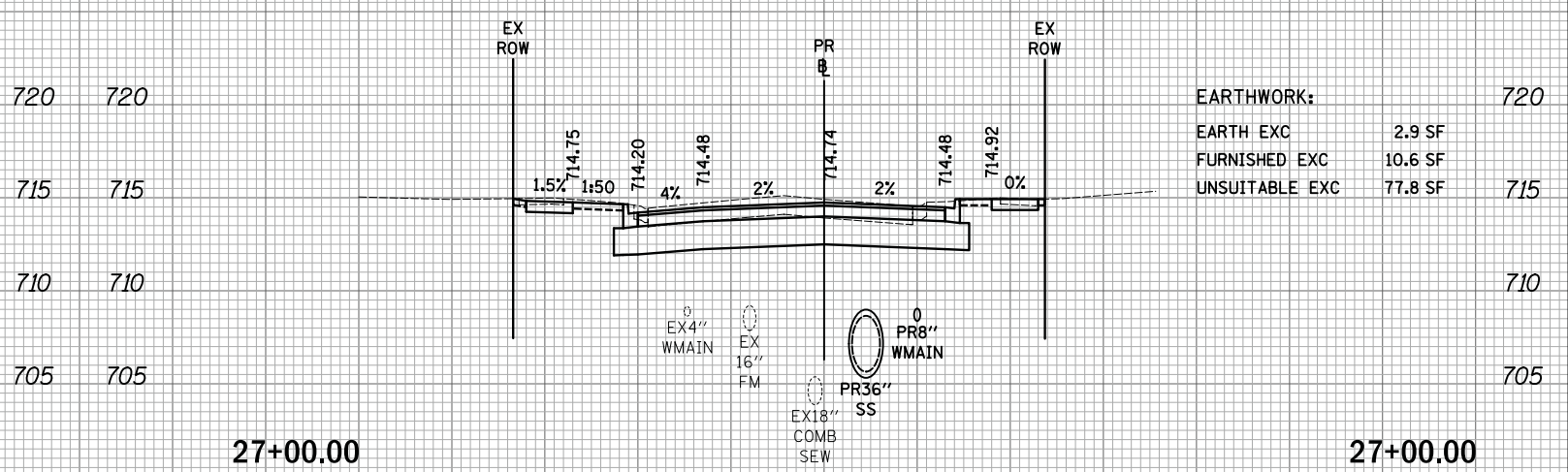
720	EARTHWORK:		
	EARTH EXC	2.1 SF	
	FURNISHED EXC	10.7 SF	
715	UNSUITABLE EXC	74.9 SF	



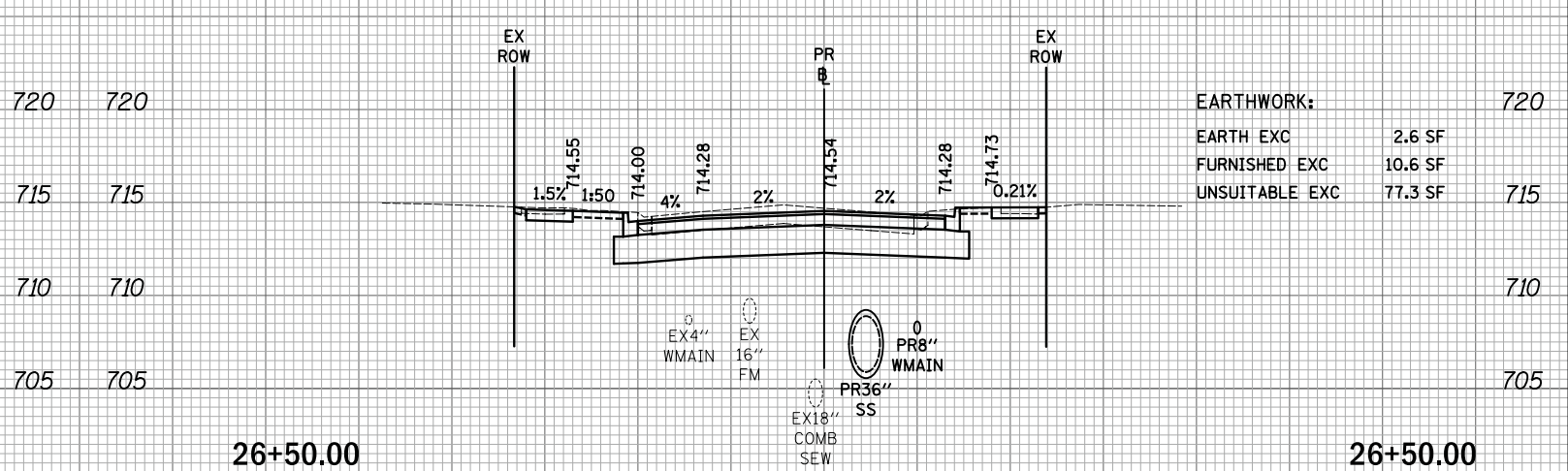
720	EARTHWORK:		
	EARTH EXC	2.1 SF	
	FURNISHED EXC	10.7 SF	
715	UNSUITABLE EXC	74.9 SF	



720	EARTHWORK:		
	EARTH EXC	1.9 SF	
	FURNISHED EXC	10.6 SF	
715	UNSUITABLE EXC	75.7 SF	



720	EARTHWORK:		
	EARTH EXC	2.9 SF	
	FURNISHED EXC	10.6 SF	
715	UNSUITABLE EXC	77.8 SF	



720	EARTHWORK:		
	EARTH EXC	2.6 SF	
	FURNISHED EXC	10.6 SF	
715	UNSUITABLE EXC	77.3 SF	



USER NAME = mjp	DESIGNED - MJP	REVISED -
	DRAWN - MJP	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - DNM	REVISED -
PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MAIN STREET  
CROSS SECTIONS

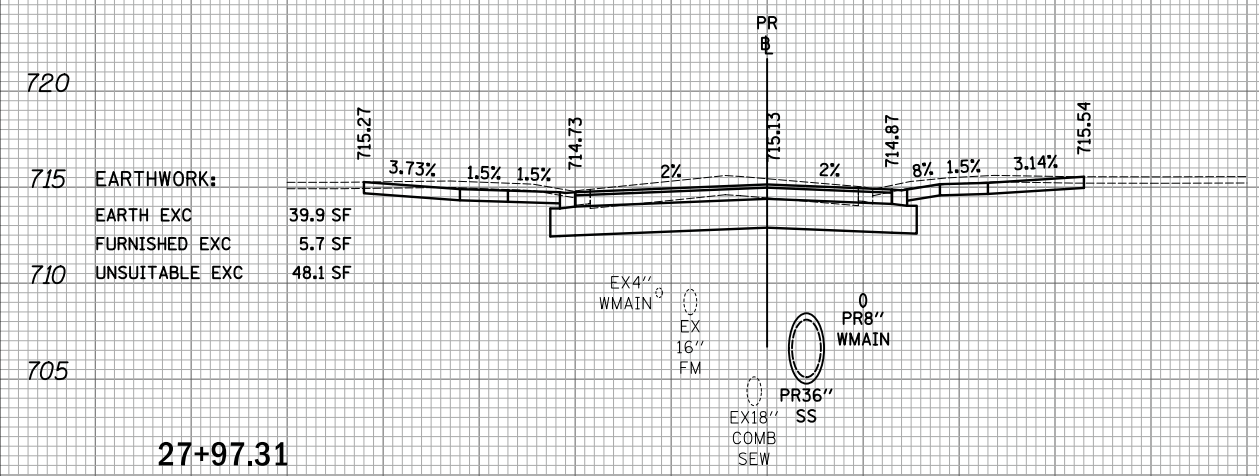
SCALE: 1"=10'H/5'V SHEET OF SHEETS STA. 25+50.00 TO STA. 27+25.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
524	12-00073-02-FP	KANE	207	174
CONTRACT NO. 61F32				
ILLINOIS		FED. AID PROJECT		

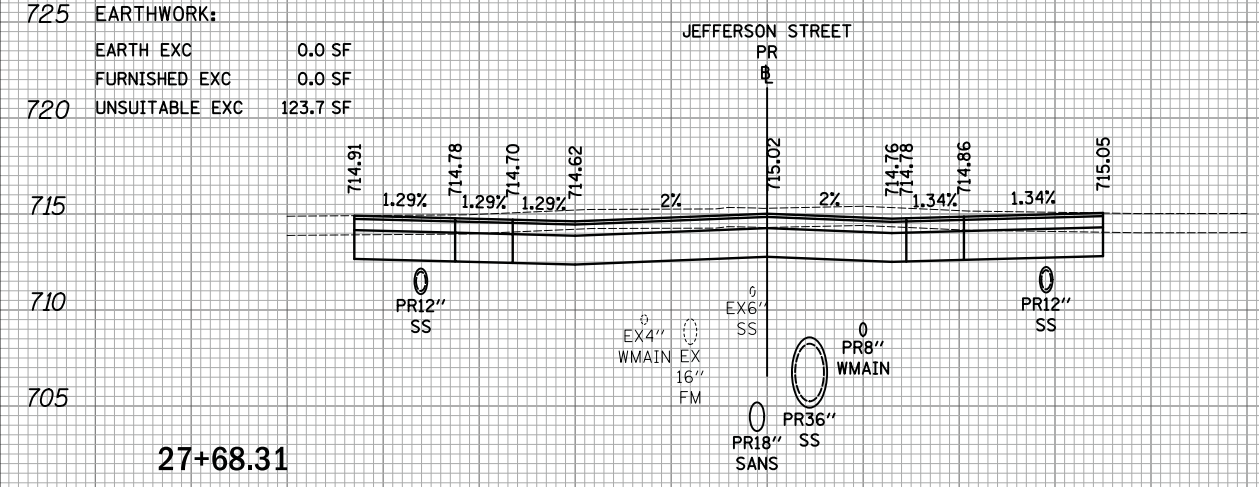
DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
FINAL SURVEY	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
ORIGINAL SURVEY	
NO.	

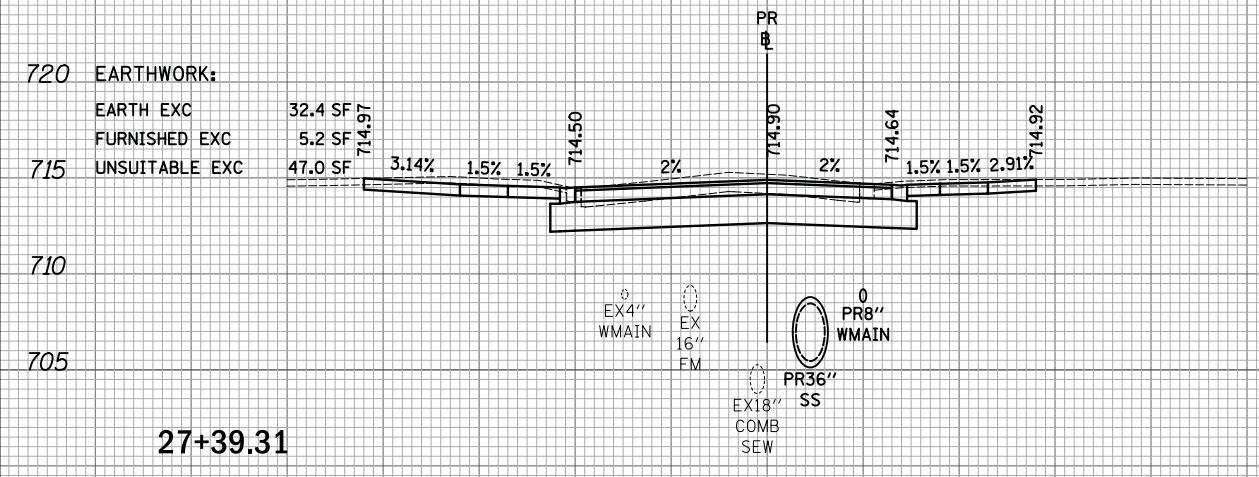
PLOT DRIVER = ...  
 PEN TABLE = ...  
 FILE NAME = ...



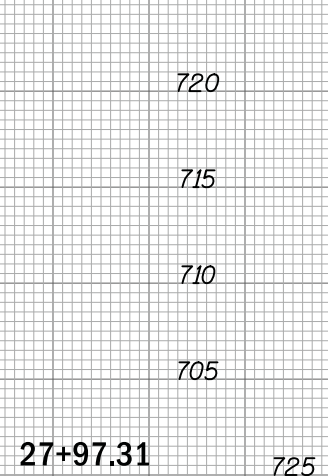
<b>27+97.31</b>	
EARTHWORK:	
EARTH EXC	39.9 SF
FURNISHED EXC	5.7 SF
UNSUITABLE EXC	48.1 SF



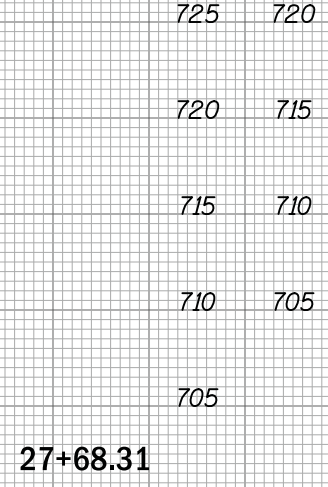
<b>27+68.31</b>	
EARTHWORK:	
EARTH EXC	0.0 SF
FURNISHED EXC	0.0 SF
UNSUITABLE EXC	123.7 SF



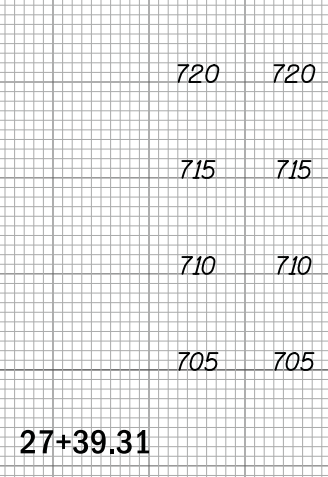
<b>27+39.31</b>	
EARTHWORK:	
EARTH EXC	32.4 SF
FURNISHED EXC	5.2 SF
UNSUITABLE EXC	47.0 SF



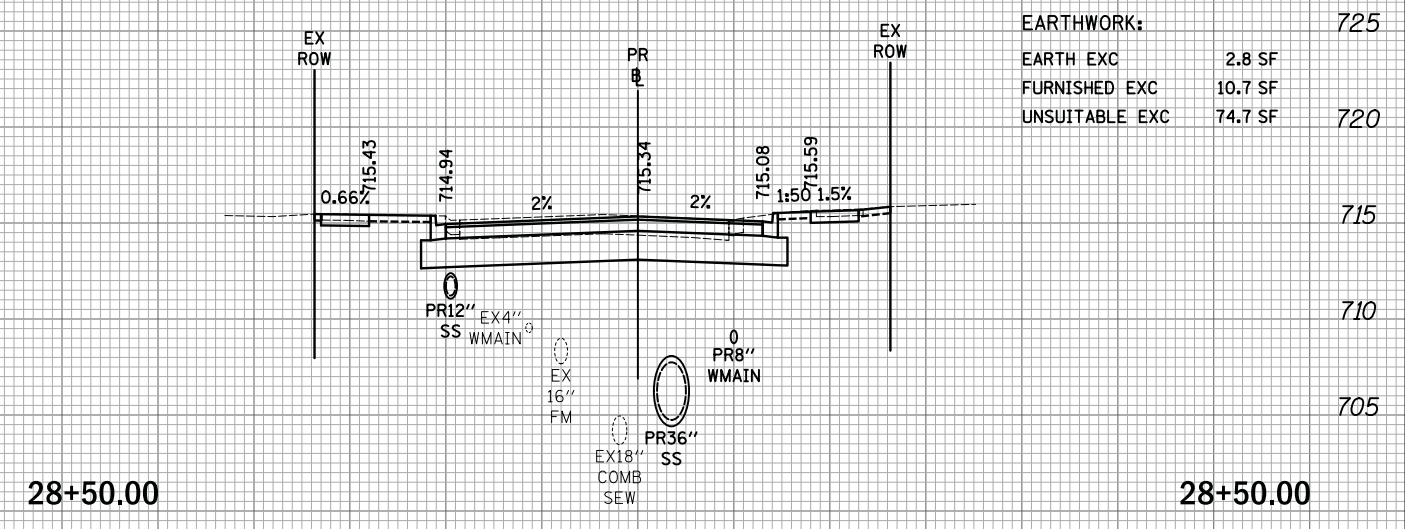
<b>27+97.31</b>	
EARTHWORK:	
EARTH EXC	0.0 SF
FURNISHED EXC	0.0 SF
UNSUITABLE EXC	123.7 SF



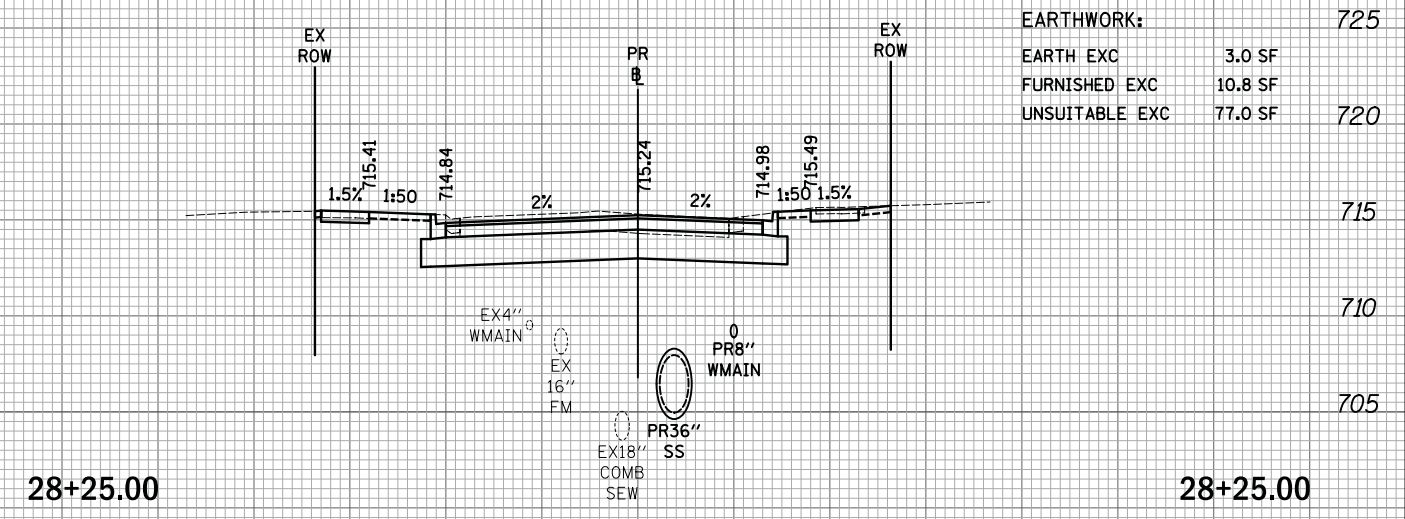
<b>27+68.31</b>	
EARTHWORK:	
EARTH EXC	0.0 SF
FURNISHED EXC	0.0 SF
UNSUITABLE EXC	123.7 SF



<b>27+39.31</b>	
EARTHWORK:	
EARTH EXC	32.4 SF
FURNISHED EXC	5.2 SF
UNSUITABLE EXC	47.0 SF



<b>28+50.00</b>	
EARTHWORK:	
EARTH EXC	2.8 SF
FURNISHED EXC	10.7 SF
UNSUITABLE EXC	74.7 SF



<b>28+25.00</b>	
EARTHWORK:	
EARTH EXC	3.0 SF
FURNISHED EXC	10.8 SF
UNSUITABLE EXC	77.0 SF



USER NAME = mjp	DESIGNED - MJP	REVISED -
	DRAWN - MJP	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - DNM	REVISED -
PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MAIN STREET  
CROSS SECTIONS

SCALE: 1"=10'H/5'V SHEET OF SHEETS STA. 27+39.31 TO STA. 28+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
524	12-00073-02-FP	KANE	207	175
			CONTRACT NO. 61F32	
ILLINOIS		FED. AID PROJECT		

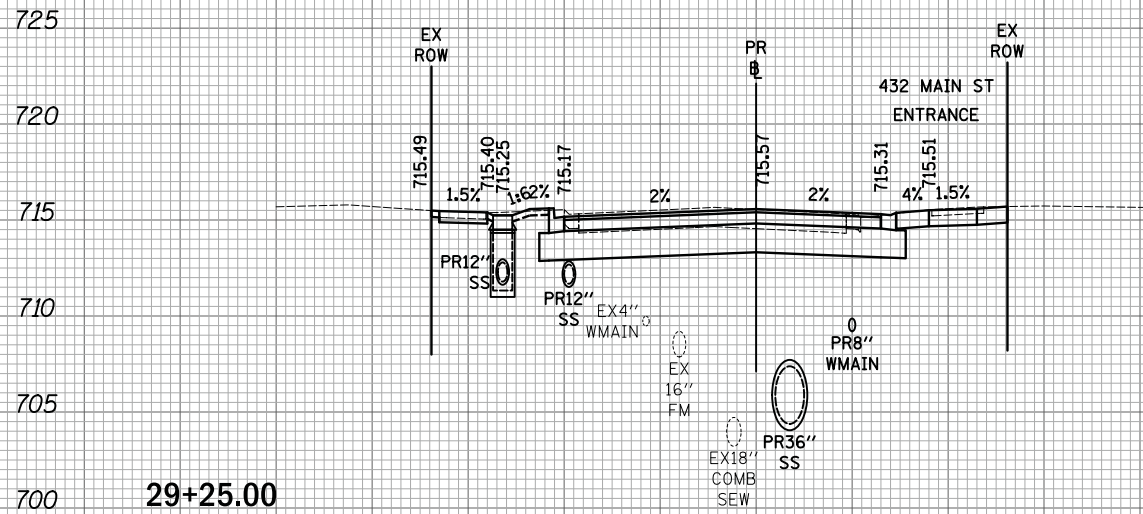
50 40 30 20 10 0 10 20 30 40 50

50 40 30 20 10 0 10 20 30 40 50

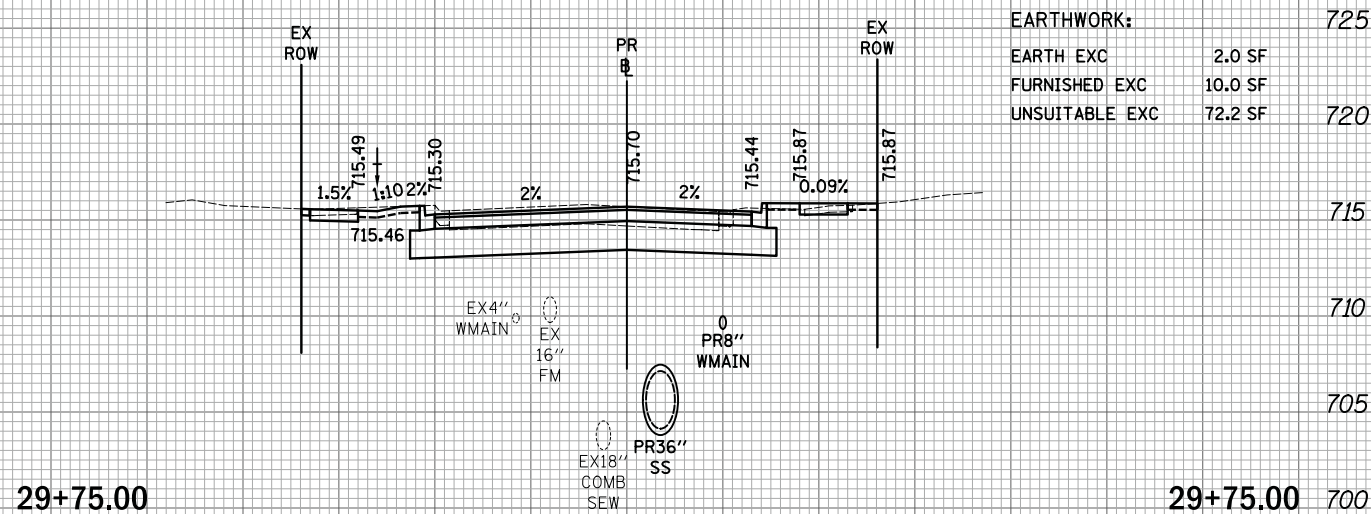
DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
NOTE BOOK	
NO.	

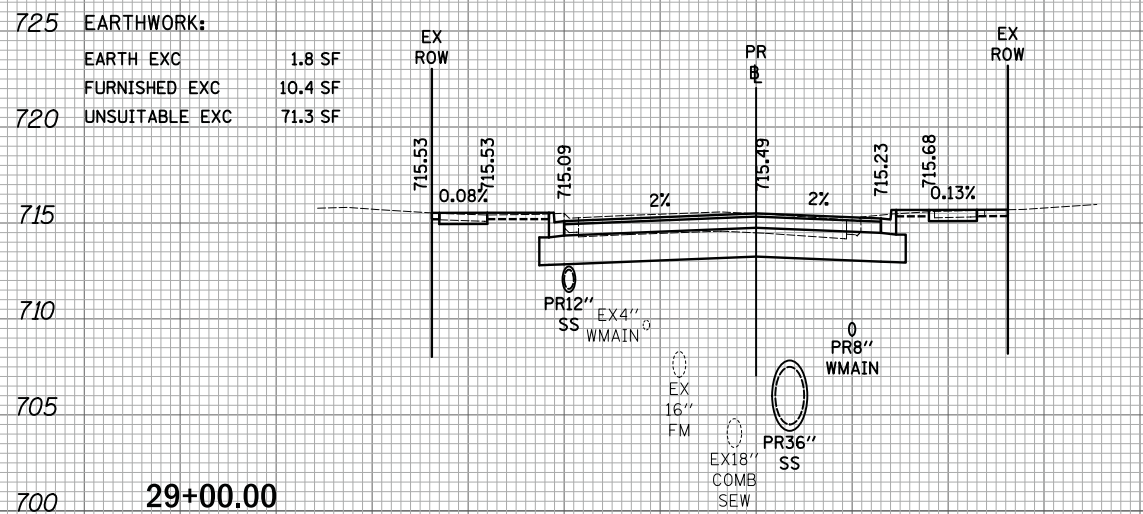
PLOT DRIVER = ...  
 PEN TABLE = ...  
 FILE NAME = ...



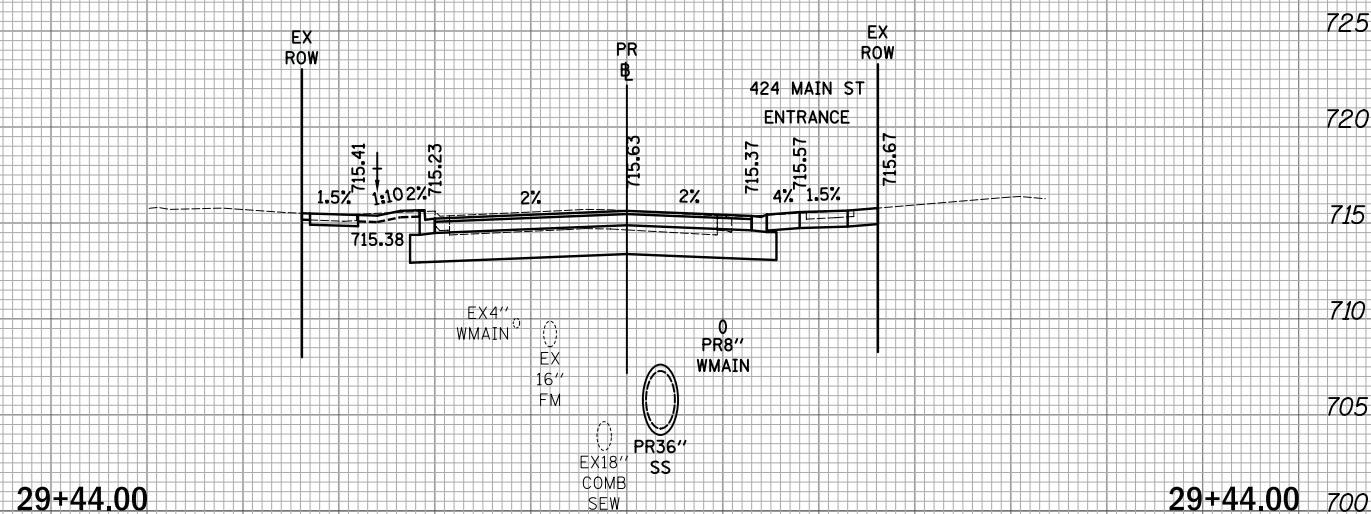
725	725
720	720
715	715
710	710
705	705
700	700



<b>EARTHWORK:</b>		725
EARTH EXC	2.0 SF	
FURNISHED EXC	10.0 SF	
UNSUITABLE EXC	72.2 SF	720



725	725
720	720
715	715
710	710
705	705
700	700



<b>EARTHWORK:</b>		725
EARTH EXC	1.8 SF	
FURNISHED EXC	10.4 SF	
UNSUITABLE EXC	71.3 SF	720

50 40 30 20 10 0 10 20 30 40 50

50 40 30 20 10 0 10 20 30 40 50



USER NAME = mjp	DESIGNED - MJP	REVISED -
	DRAWN - MJP	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - DNM	REVISED -
PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

MAIN STREET  
 CROSS SECTIONS

SCALE: 1"=10'H/5'V SHEET OF SHEETS STA. 29+00.00 TO STA. 29+75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
524	12-00073-02-FP	KANE	207	176
			CONTRACT NO. 61F32	
		ILLINOIS FED. AID PROJECT		

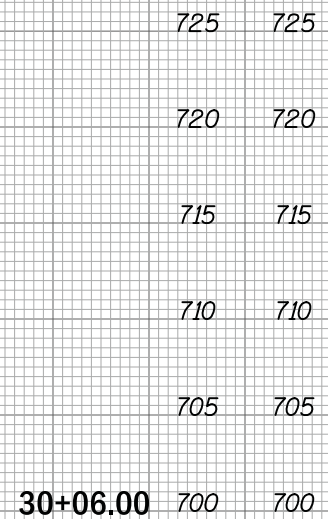
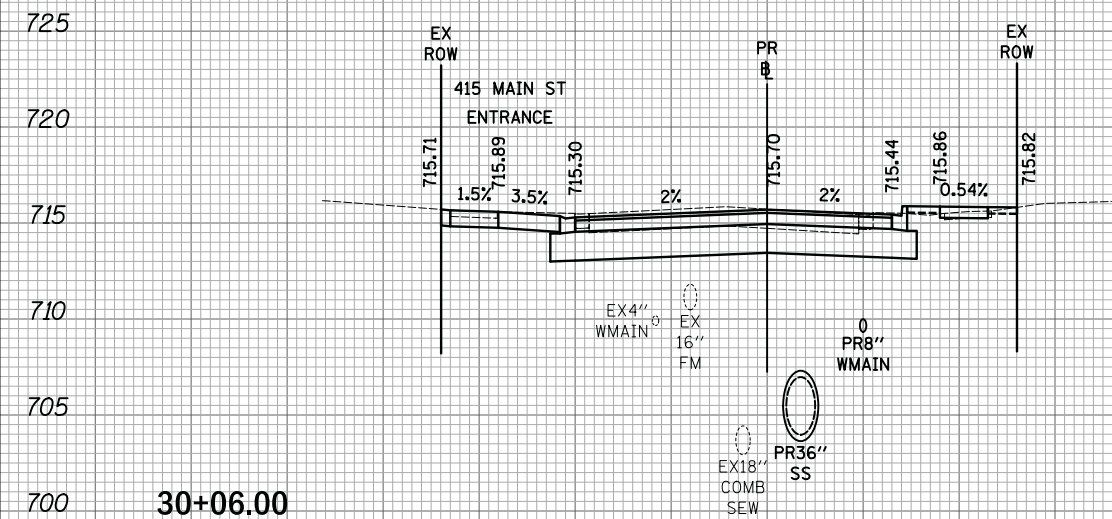
50 40 30 20 10 0 10 20 30 40 50

50 40 30 20 10 0 10 20 30 40 50

FINAL SURVEY	SURVEYED	DATE
NO.	PLOTTED	
	TEMPLATE	
	AREAS	
	CHECKED	

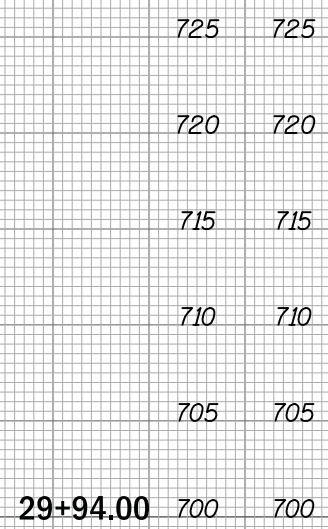
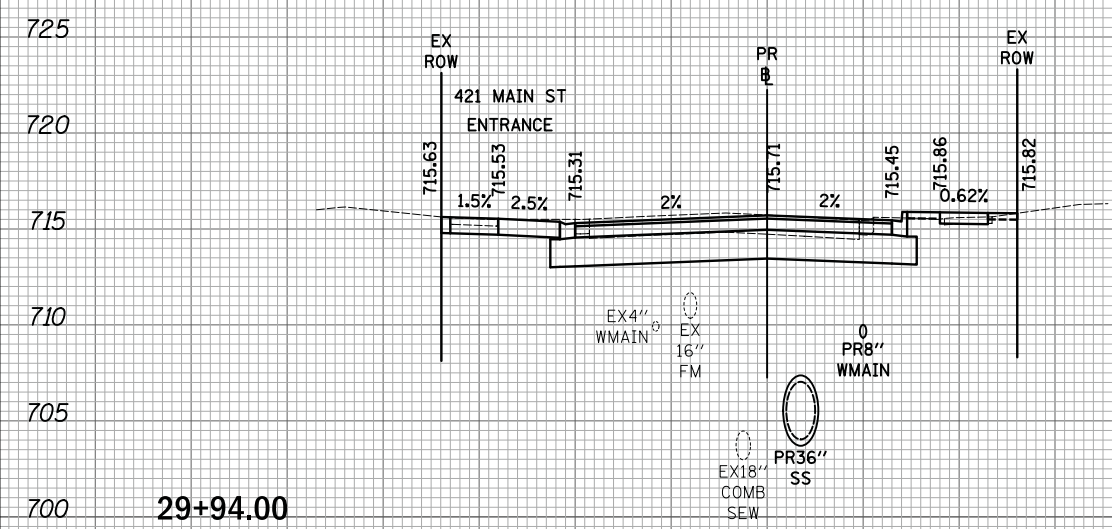
ORIGINAL SURVEY	SURVEYED	DATE
NO.	PLOTTED	
	TEMPLATE	
	AREAS	
	CHECKED	

PLOT DRIVER = ...  
 PEN TABLE = ...  
 FILE NAME = ...



EARTHWORK:

EARTH EXC	1.3 SF
FURNISHED EXC	10.3 SF
UNSUITABLE EXC	73.0 SF



50 40 30 20 10 0 10 20 30 40 50

50 40 30 20 10 0 10 20 30 40 50



USER NAME = mjp	DESIGNED - MJP	REVISED -
	DRAWN - MJP	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - DNM	REVISED -
PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

MAIN STREET  
 CROSS SECTIONS

SCALE: 1"=10'H/5'V SHEET OF SHEETS STA. 29+94.00 TO STA. 30+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
524	12-00073-02-FP	KANE	207	177
CONTRACT NO. 61F32				
ILLINOIS FED. AID PROJECT				

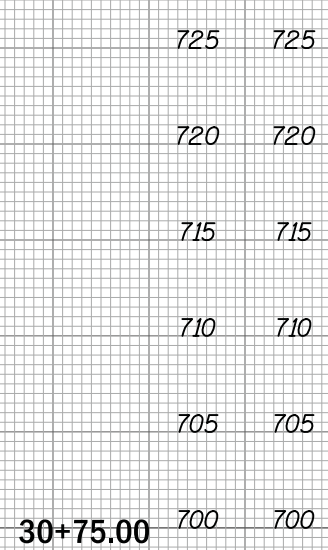
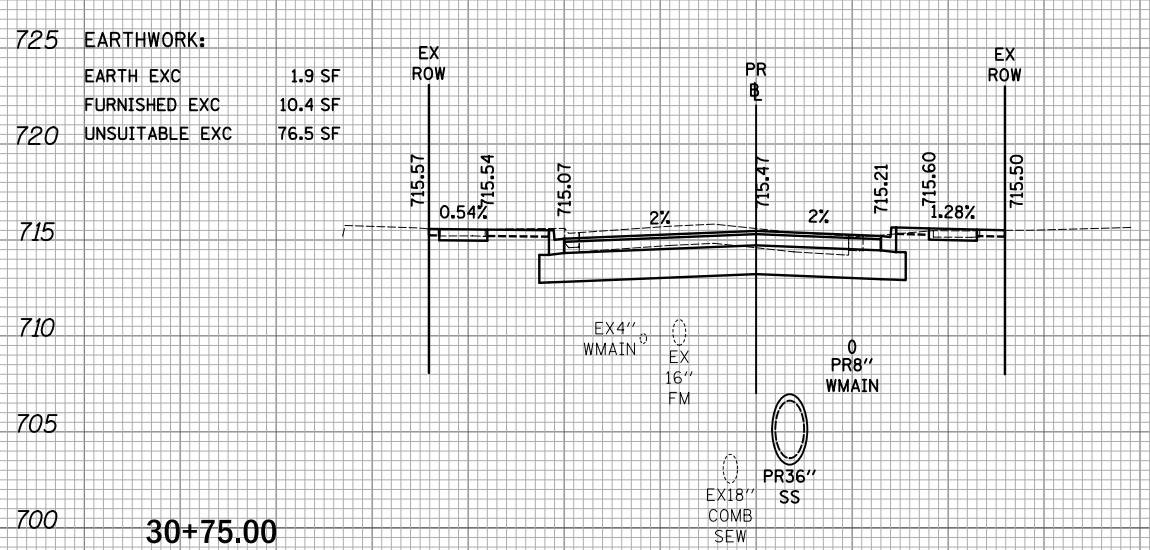
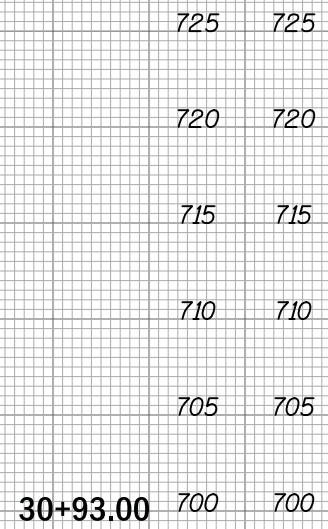
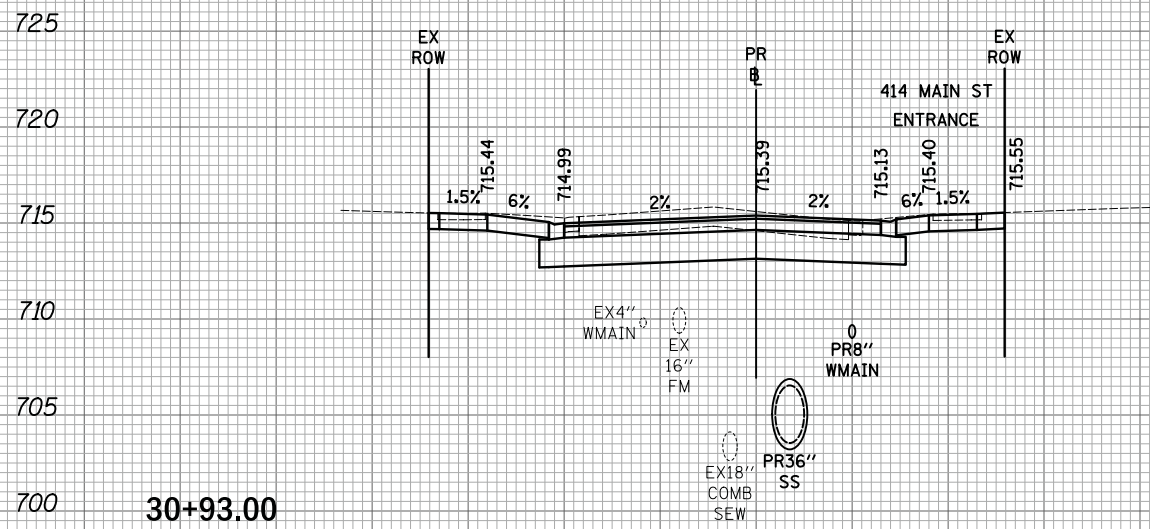
50 40 30 20 10 0 10 20 30 40 50

50 40 30 20 10 0 10 20 30 40 50

FINAL SURVEY NO.	SURVEYED AREAS	DATE
PLOTTED TEMPLATE	PLOTTED AREAS	
NOTE BOOK NO.	NOTE BOOK AREAS	
CHECKED	CHECKED AREAS	

ORIGINAL SURVEY NO.	SURVEYED AREAS	DATE
PLOTTED TEMPLATE	PLOTTED AREAS	
NOTE BOOK NO.	NOTE BOOK AREAS	
CHECKED	CHECKED AREAS	

PLOT DRIVER = ...  
 PEN TABLE = ...  
 FILE NAME = ...



**EARTHWORK:**

EARTH EXC	1.9 SF
FURNISHED EXC	10.4 SF
UNSUITABLE EXC	76.5 SF

50 40 30 20 10 0 10 20 30 40 50

50 40 30 20 10 0 10 20 30 40 50



USER NAME = mjp	DESIGNED - MJP	REVISED -
	DRAWN - MJP	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - DNM	REVISED -
PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**MAIN STREET**  
**CROSS SECTIONS**

SCALE: 1"=10'H/5'V SHEET OF SHEETS STA. 30+75.00 TO STA. 31+10.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
524	12-00073-02-FP	KANE	207	178
			CONTRACT NO. 61F32	
			ILLINOIS FED. AID PROJECT	

50 40 30 20 10 0 10 20 30 40 50

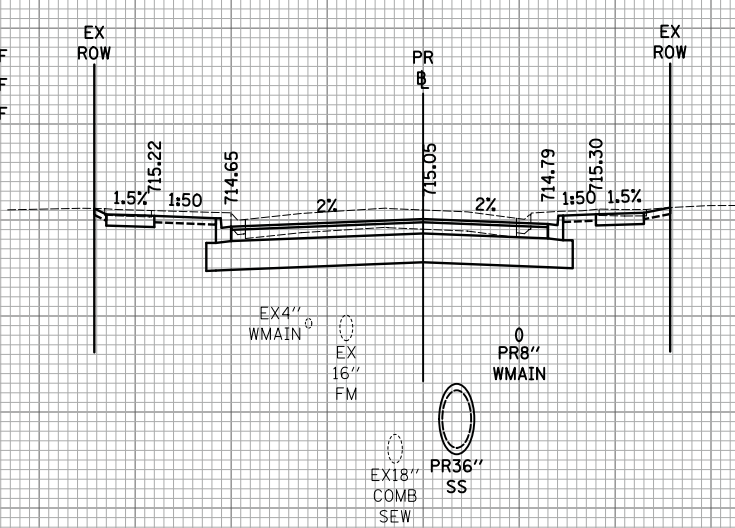
50 40 30 20 10 0 10 20 30 40 50

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

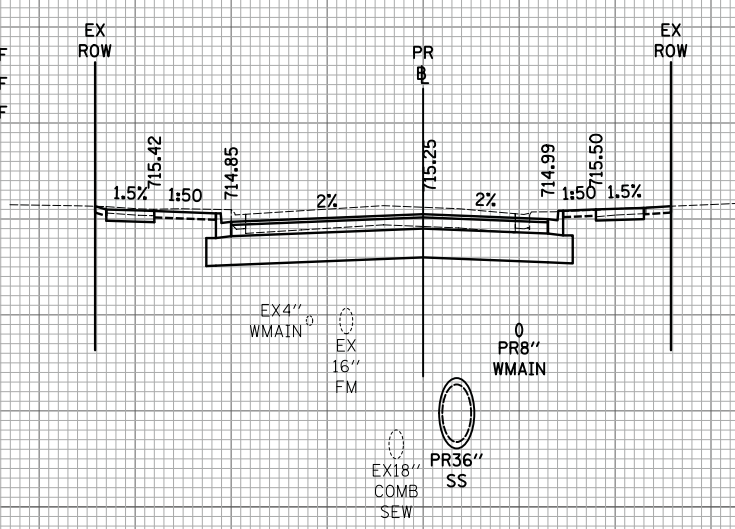
DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	

PLOT DRIVER = ...  
 PEN TABLE = ...  
 FILE NAME = ...

725 EARTHWORK:  
 EARTH EXC 4.9 SF  
 FURNISHED EXC 10.8 SF  
 720 UNSUITABLE EXC 90.6 SF



725 EARTHWORK:  
 EARTH EXC 3.3 SF  
 FURNISHED EXC 10.8 SF  
 720 UNSUITABLE EXC 84.7 SF



725 725  
 720 720  
 715 715  
 710 710  
 705 705  
 700 700

31+75.00

725 725  
 720 720  
 715 715  
 710 710  
 705 705  
 700 700

31+25.00

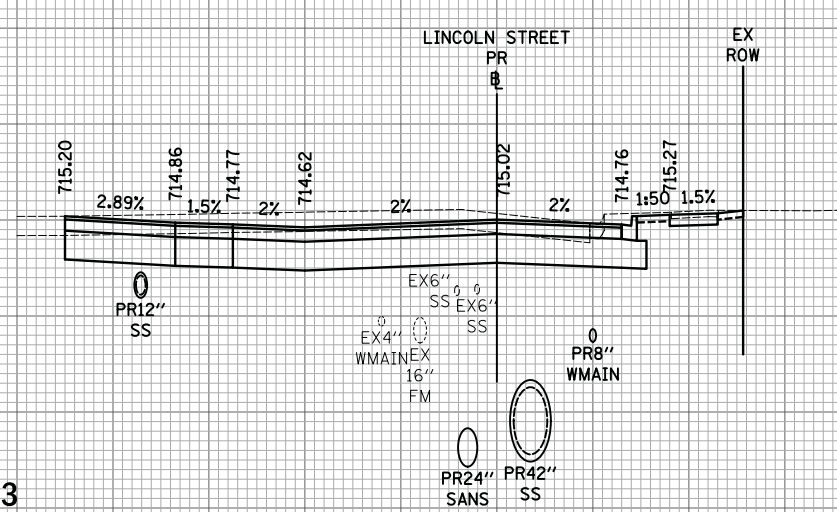
725 725  
 720 720  
 715 715  
 710 710  
 705 705  
 700 700

32+29.13

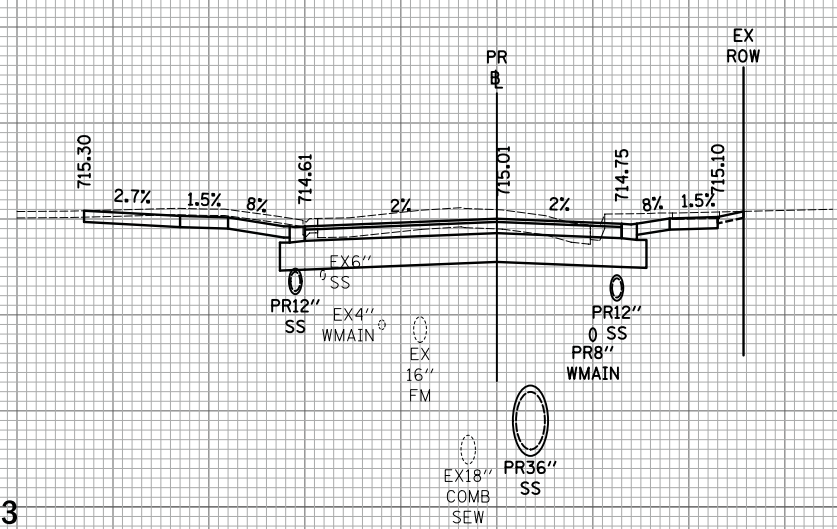
725 725  
 720 720  
 715 715  
 710 710  
 705 705  
 700 700

32+03.13

EARTHWORK:  
 EARTH EXC 2.2 SF  
 FURNISHED EXC 5.3 SF  
 UNSUITABLE EXC 114.6 SF



EARTHWORK:  
 EARTH EXC 22.3 SF  
 FURNISHED EXC 6.0 SF  
 UNSUITABLE EXC 70.5 SF



32+03.13



USER NAME = mjp	DESIGNED - MJP	REVISED -
	DRAWN - MJP	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - DNM	REVISED -
PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

MAIN STREET  
 CROSS SECTIONS

SCALE: 1"=10'H/5'V SHEET OF SHEETS STA. 31+25.00 TO STA. 32+29.13

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
524	12-00073-02-FP	KANE	207	179
			CONTRACT NO. 61F32	
ILLINOIS FED. AID PROJECT				

50 40 30 20 10 0 10 20 30 40 50

50 40 30 20 10 0 10 20 30 40 50

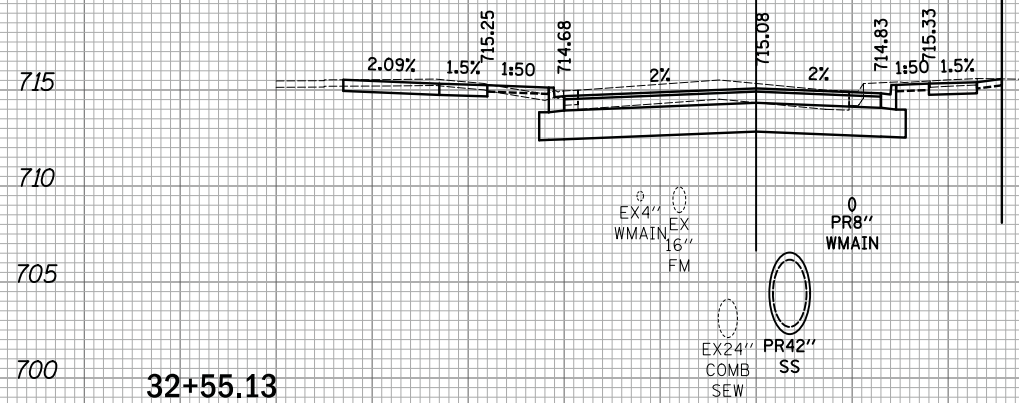
FINAL SURVEY	SURVEYED	DATE
NO.	PLOTTED	
	TEMPLATE	
	AREAS	
	CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NO.	PLOTTED	
	TEMPLATE	
	AREAS	
	CHECKED	

PLOT DRIVER = ...  
 PEN TABLE = ...  
 FILE NAME = ...

725 EARTHWORK:

EARTH EXC	17.2 SF
FURNISHED EXC	10.8 SF
UNSUITABLE EXC	67.9 SF



32+55.13

725 725

720 720

715 715

710 710

705 705

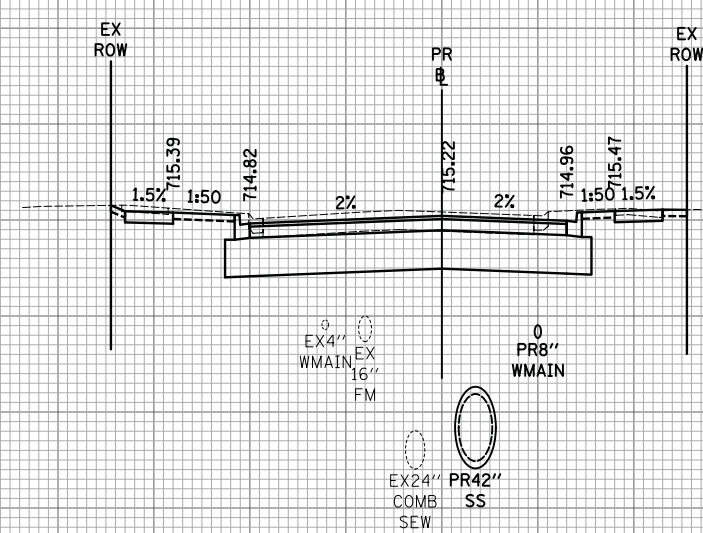
700 700

32+55.13

33+00.00

EARTHWORK:

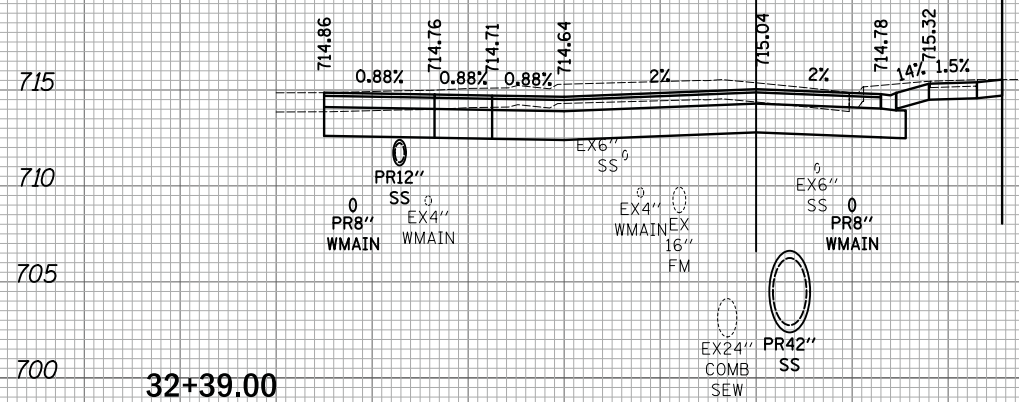
EARTH EXC	4.7 SF
FURNISHED EXC	14.7 SF
UNSUITABLE EXC	104.5 SF



33+00.00

725 EARTHWORK:

EARTH EXC	4.9 SF
FURNISHED EXC	10.8 SF
UNSUITABLE EXC	81.7 SF



32+39.00

725 725

720 720

715 715

710 710

705 705

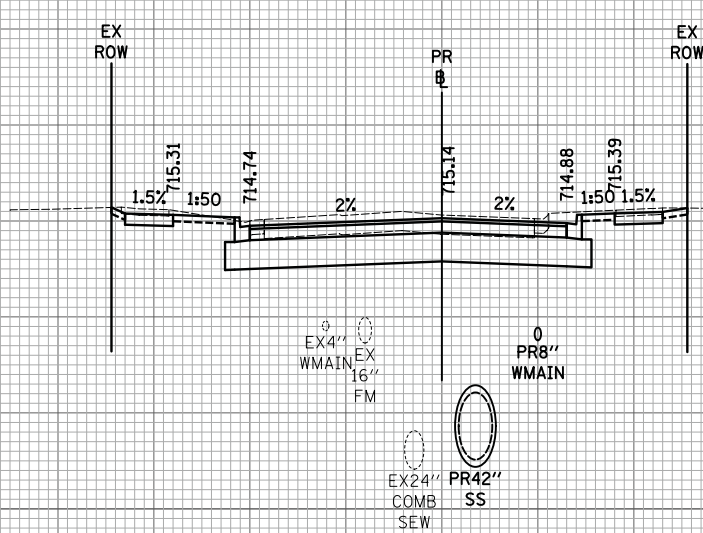
700 700

32+39.00

32+75.00

EARTHWORK:

EARTH EXC	4.9 SF
FURNISHED EXC	10.8 SF
UNSUITABLE EXC	81.7 SF



32+75.00



USER NAME = mjp	DESIGNED - MJP	REVISED -
	DRAWN - MJP	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - DNM	REVISED -
PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MAIN STREET  
CROSS SECTIONS

SCALE: 1"=10'H/5'V SHEET OF SHEETS STA. 32+39.00 TO STA. 33+00.00

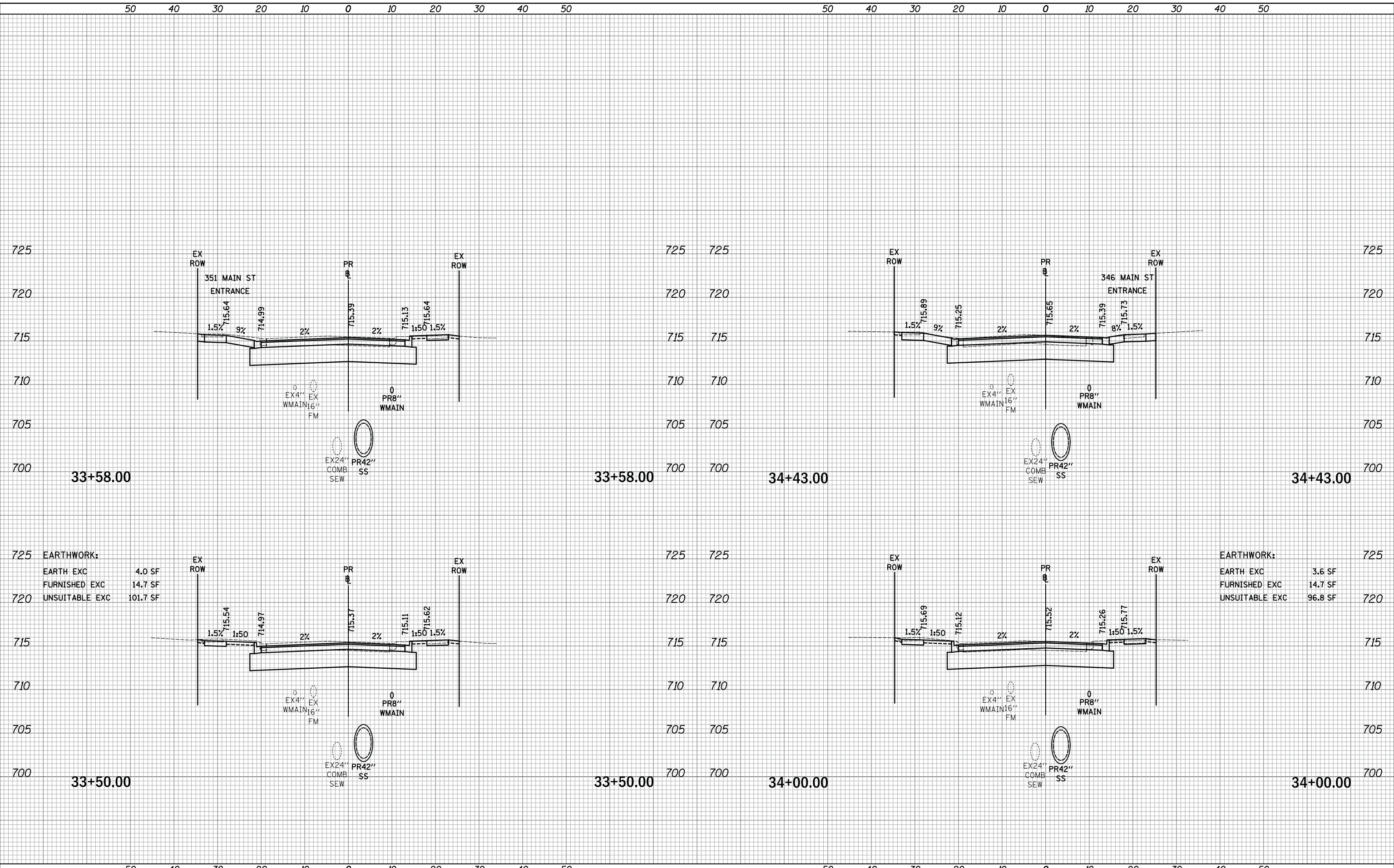
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
524	12-00073-02-FP	KANE	207	180
			CONTRACT NO. 61F32	
ILLINOIS FED. AID PROJECT				



DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
NOTE BOOK	
NO.	

PLOT DRIVER = ...  
 PEN TABLE = ...  
 FILE NAME = ...



**EARTHWORK:**

EARTH EXC	4.0 SF
FURNISHED EXC	14.7 SF
UNSUITABLE EXC	101.7 SF

**EARTHWORK:**

EARTH EXC	3.6 SF
FURNISHED EXC	14.7 SF
UNSUITABLE EXC	96.8 SF



USER NAME = mjp	DESIGNED - MJP	REVISED -
	DRAWN - MJP	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - DNM	REVISED -
PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MAIN STREET  
CROSS SECTIONS

SCALE: 1"=10'H/5'V SHEET OF SHEETS STA. 33+50.00 TO STA. 34+43.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
524	12-00073-02-FP	KANE	207	181
			CONTRACT NO. 61F32	
ILLINOIS FED. AID PROJECT				

50 40 30 20 10 0 10 20 30 40 50

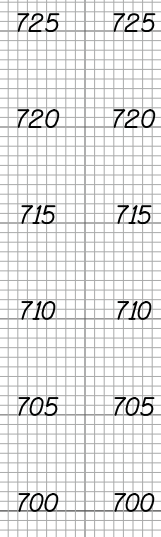
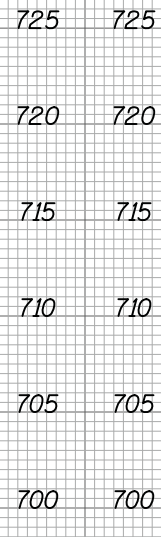
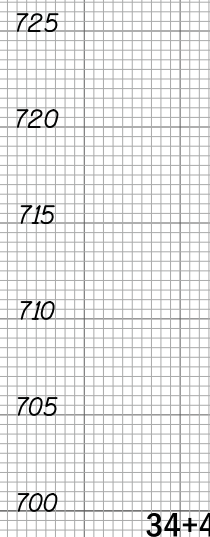
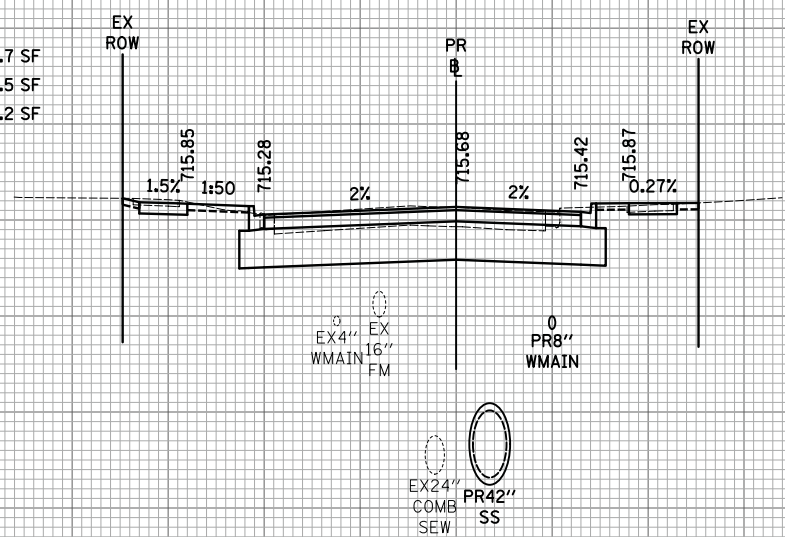
50 40 30 20 10 0 10 20 30 40 50

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	

PLOT DRIVER = ...  
 PEN TABLE = ...  
 FILE NAME = ...

725 EARTHWORK:  
 EARTH EXC 3.7 SF  
 FURNISHED EXC 14.5 SF  
 720 UNSUITABLE EXC 91.2 SF



50 40 30 20 10 0 10 20 30 40 50

50 40 30 20 10 0 10 20 30 40 50



USER NAME = mjp	DESIGNED - MJP	REVISED -
	DRAWN - MJP	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - DNM	REVISED -
PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

MAIN STREET  
 CROSS SECTIONS

SCALE: 1"=10'H/5'V SHEET OF SHEETS STA. 34+48.00 TO STA. 34+67.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
524	12-00073-02-FP	KANE	207	182
			CONTRACT NO. 61F32	
		ILLINOIS FED. AID PROJECT		

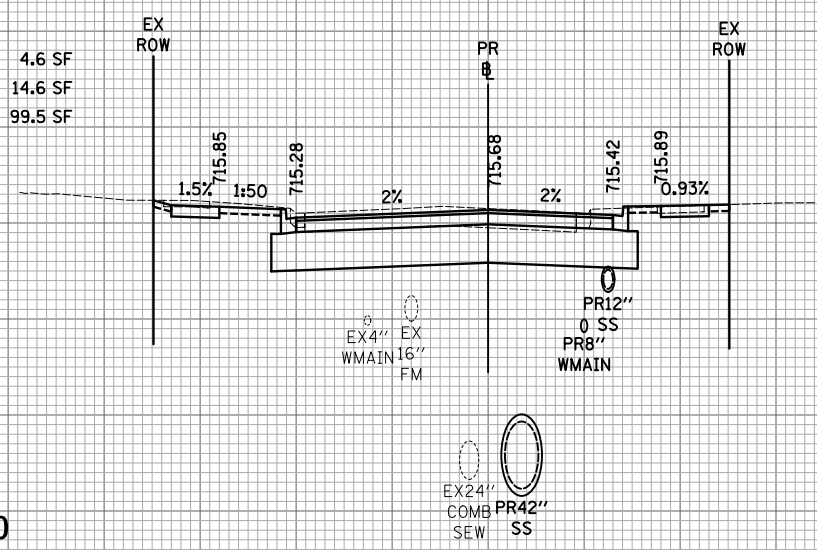
50 40 30 20 10 0 10 20 30 40 50

50 40 30 20 10 0 10 20 30 40 50

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
	AREAS	
	CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
	AREAS	
	CHECKED	

725 EARTHWORK:  
 EARTH EXC 4.6 SF  
 FURNISHED EXC 14.6 SF  
 720 UNSUITABLE EXC 99.5 SF



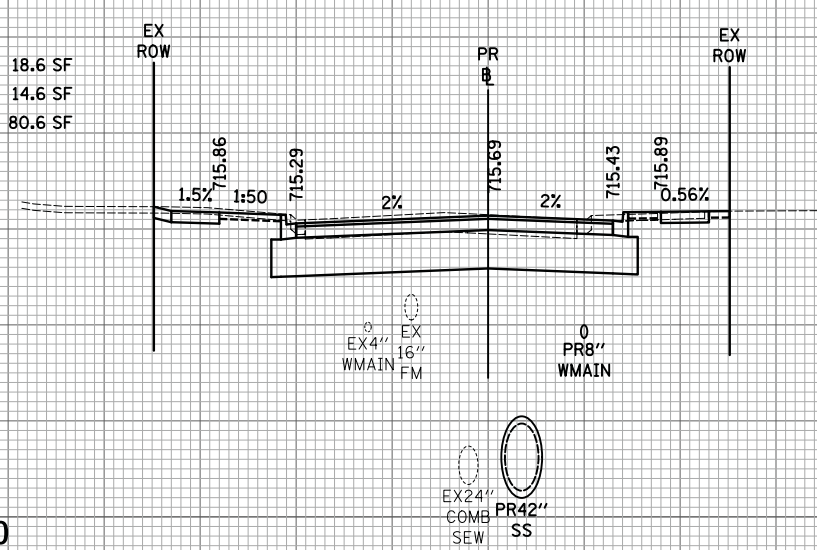
35+25.00

725 725  
 720 720  
 715 715  
 710 710  
 705 705  
 700 700

725 725  
 720 720  
 715 715  
 710 710  
 705 705  
 700 700

35+57.00

725 EARTHWORK:  
 EARTH EXC 18.6 SF  
 FURNISHED EXC 14.6 SF  
 720 UNSUITABLE EXC 80.6 SF



35+00.00

725 725  
 720 720  
 715 715  
 710 710  
 705 705  
 700 700

725 725  
 720 720  
 715 715  
 710 710  
 705 705  
 700 700

35+43.00

330 MAIN ST ENTRANCE

35+57.00

35+43.00



USER NAME = mjp	DESIGNED - MJP	REVISED -
	DRAWN - MJP	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - DNM	REVISED -
PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

MAIN STREET CROSS SECTIONS

SCALE: 1"=10'H/5'V SHEET OF SHEETS STA. 35+00.00 TO STA. 35+57.00

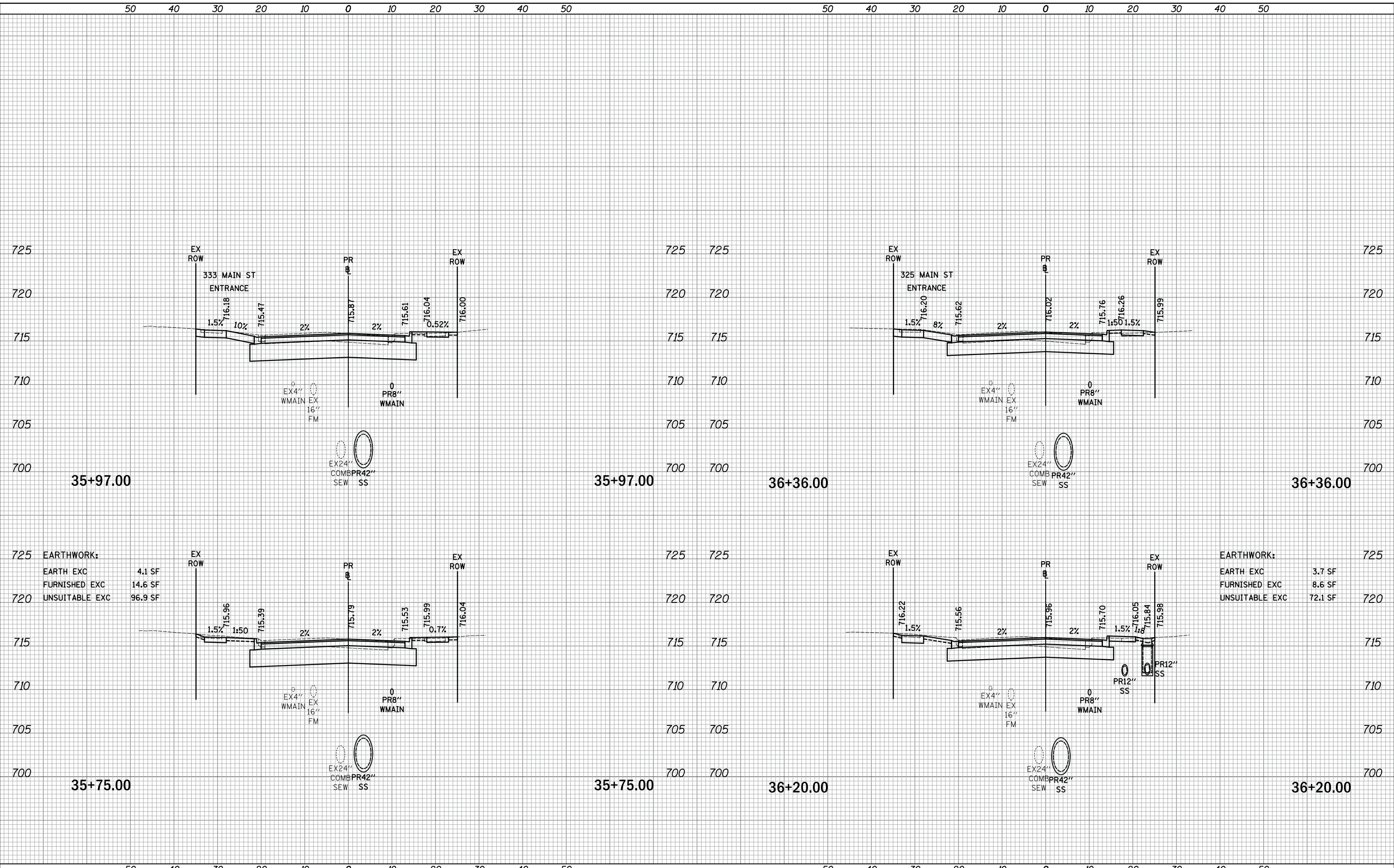
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
524	12-00073-02-FP	KANE	207	183
				CONTRACT NO. 61F32
				ILLINOIS FED. AID PROJECT

PLOT DRIVER = ...  
 PEN TABLE = ...  
 FILE NAME = ...

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
NOTE BOOK	
NO.	

PLOT DRIVER = ...  
 PEN TABLE = ...  
 FILE NAME = ...



**EARTHWORK:**

EARTH EXC	4.1 SF
FURNISHED EXC	14.6 SF
UNSUITABLE EXC	96.9 SF

**EARTHWORK:**

EARTH EXC	3.7 SF
FURNISHED EXC	8.6 SF
UNSUITABLE EXC	72.1 SF



USER NAME = mjp	DESIGNED - MJP	REVISED -
	DRAWN - MJP	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - DNM	REVISED -
PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MAIN STREET  
CROSS SECTIONS

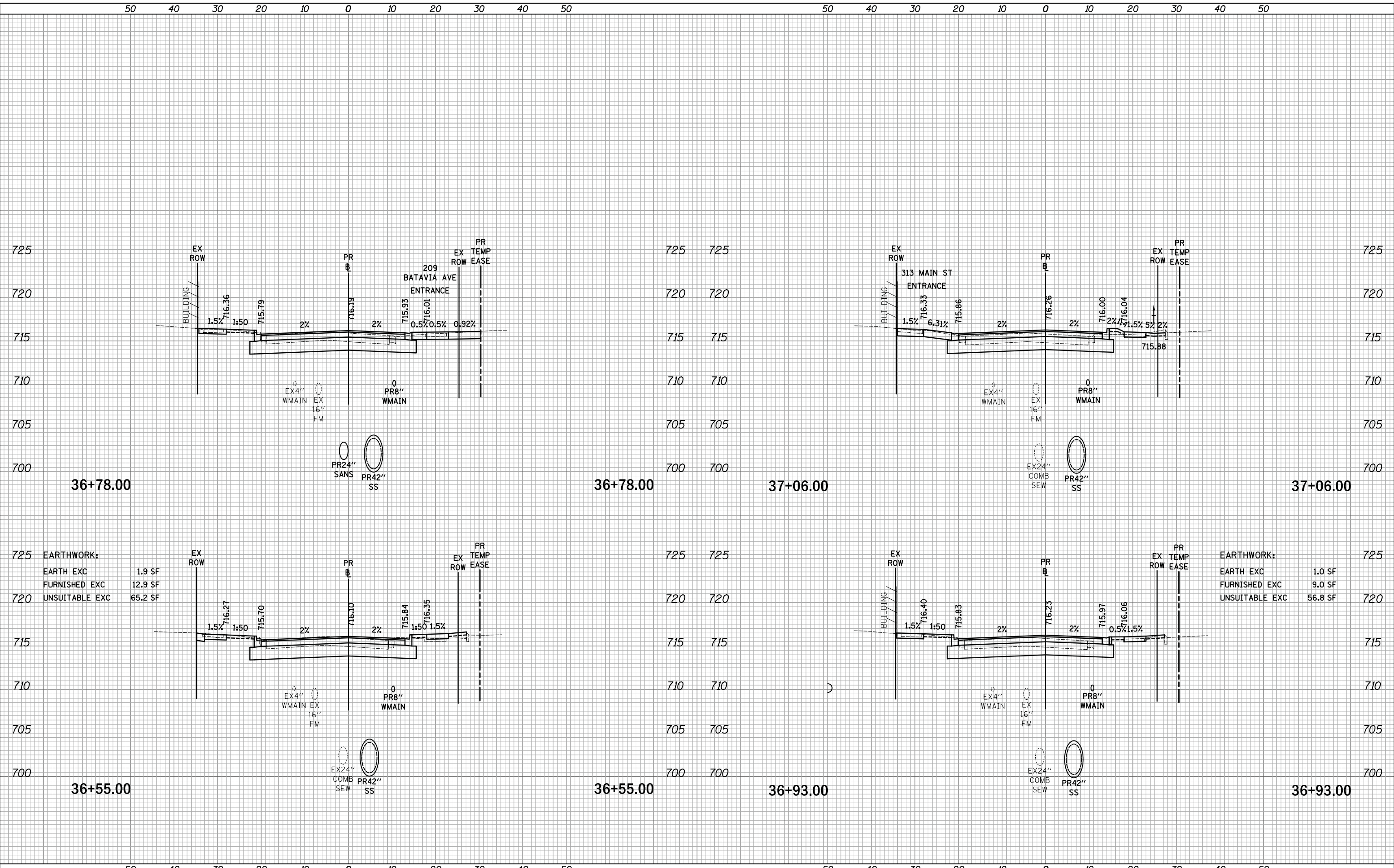
SCALE: 1"=10'H/5'V SHEET OF SHEETS STA. 35+75.00 TO STA. 36+36.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
524	12-00073-02-FP	KANE	207	184
			CONTRACT NO. 61F32	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	DATE
NO.	PLOTTED	
	TEMPLATE	
	AREAS	
	CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NO.	PLOTTED	
	TEMPLATE	
	AREAS	
	CHECKED	

PLOT DRIVER = ...  
 PEN TABLE = ...  
 FILE NAME = ...



USER NAME = mjp	DESIGNED - MJP	REVISED -
	DRAWN - MJP	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - DNM	REVISED -
PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

MAIN STREET  
 CROSS SECTIONS

SCALE: 1"=10'H/5'V SHEET OF SHEETS STA. 36+55.00 TO STA. 37+06.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
524	12-00073-02-FP	KANE	207	185
			CONTRACT NO. 61F32	
ILLINOIS FED. AID PROJECT				

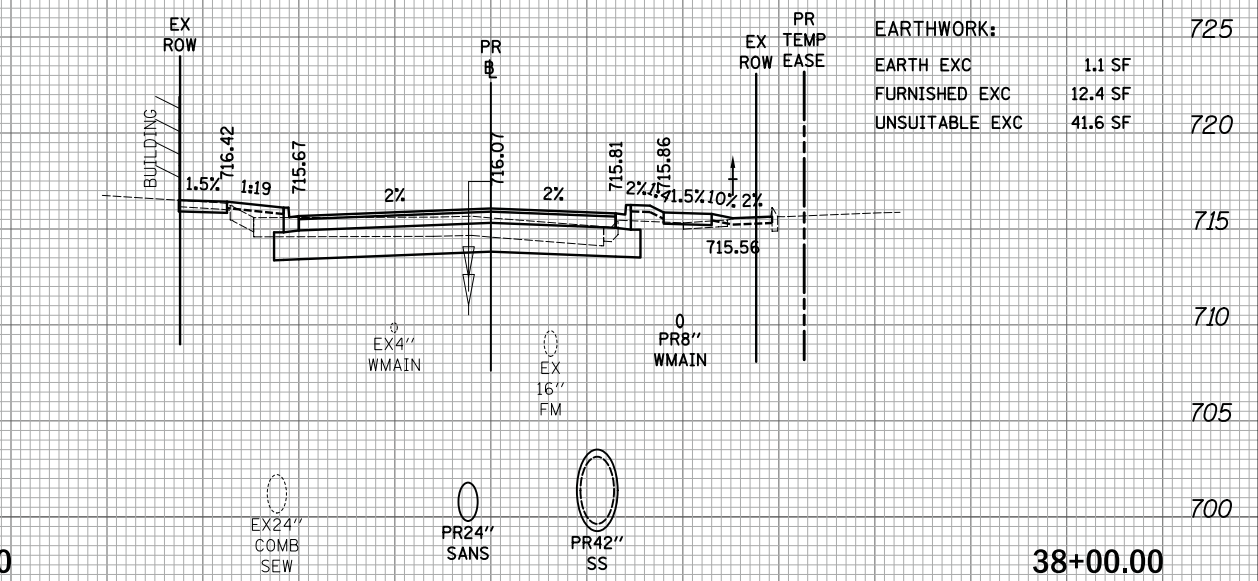
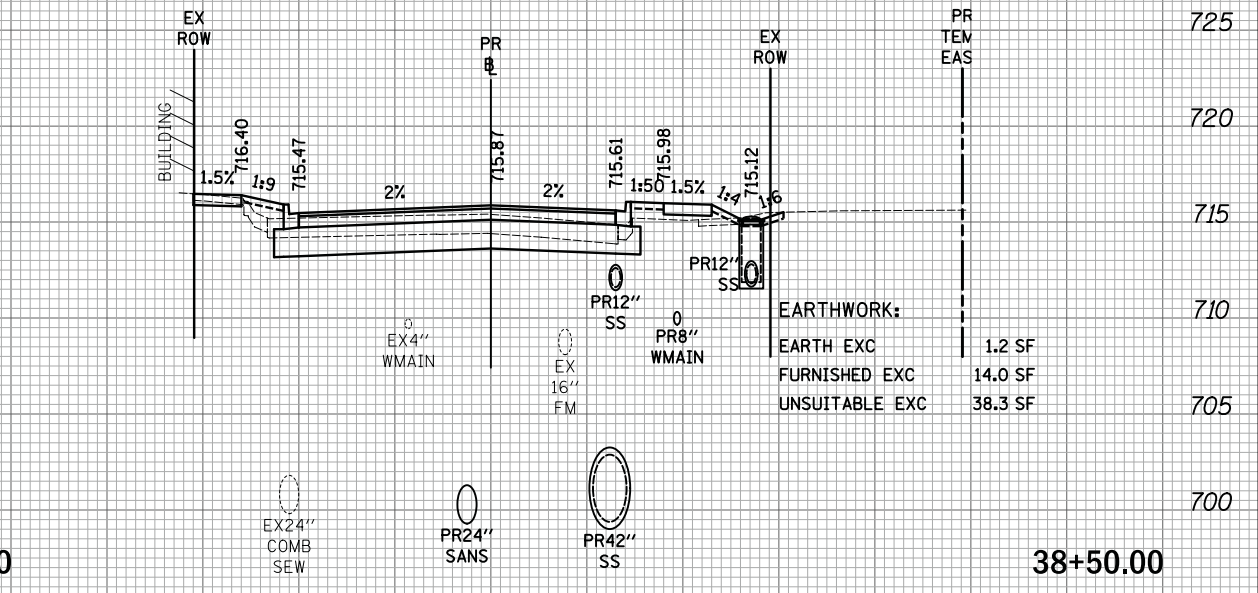
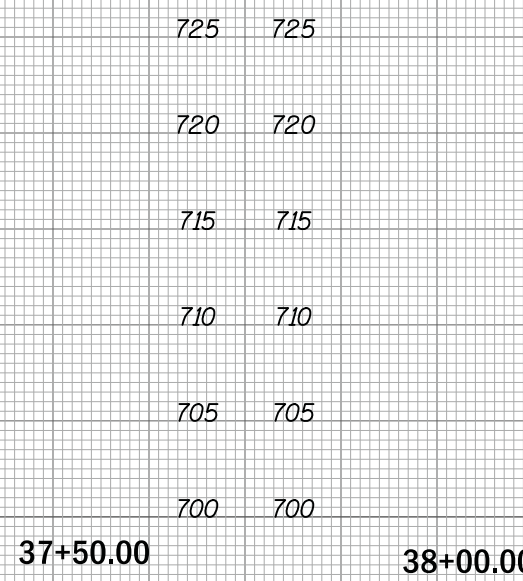
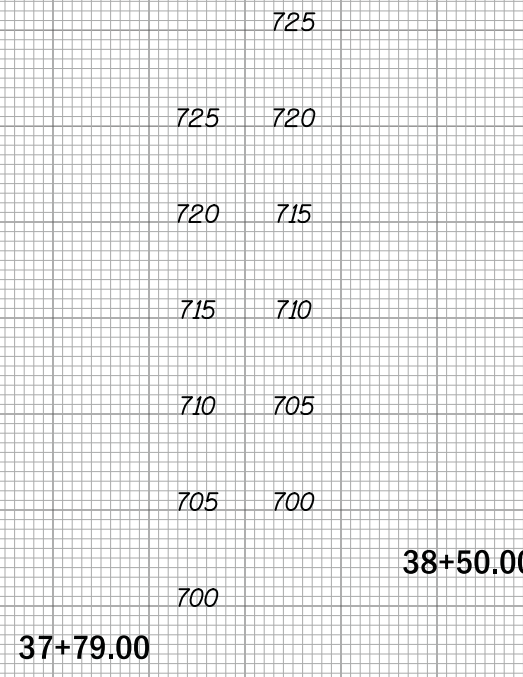
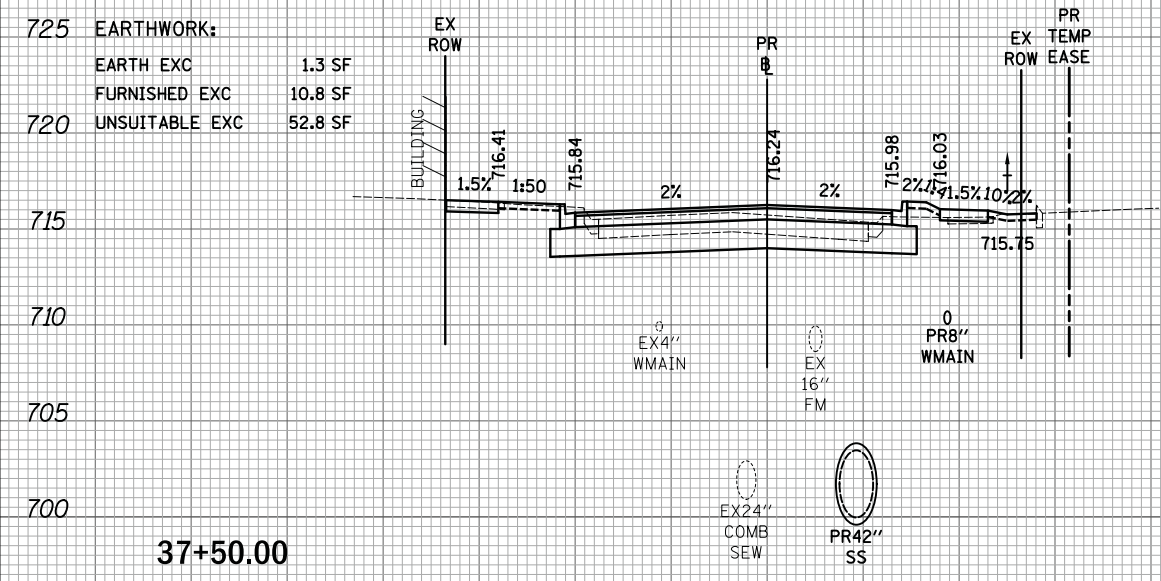
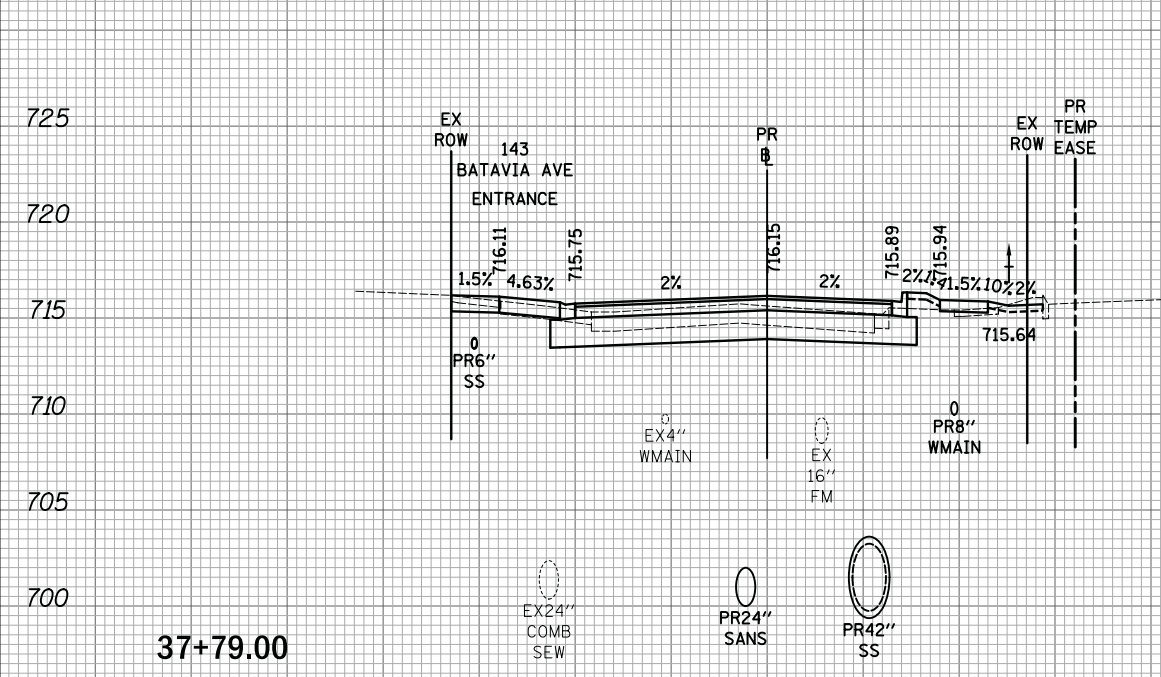
50 40 30 20 10 0 10 20 30 40 50

50 40 30 20 10 0 10 20 30 40 50

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
NOTES	
CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
NOTES	
CHECKED	
NO.	

PLOT DRIVER = ...  
 PEN TABLE = ...  
 FILE NAME = ...



50 40 30 20 10 0 10 20 30 40 50

50 40 30 20 10 0 10 20 30 40 50



USER NAME = mjp	DESIGNED - MJP	REVISED -
	DRAWN - MJP	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - DNM	REVISED -
PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

MAIN STREET  
 CROSS SECTIONS

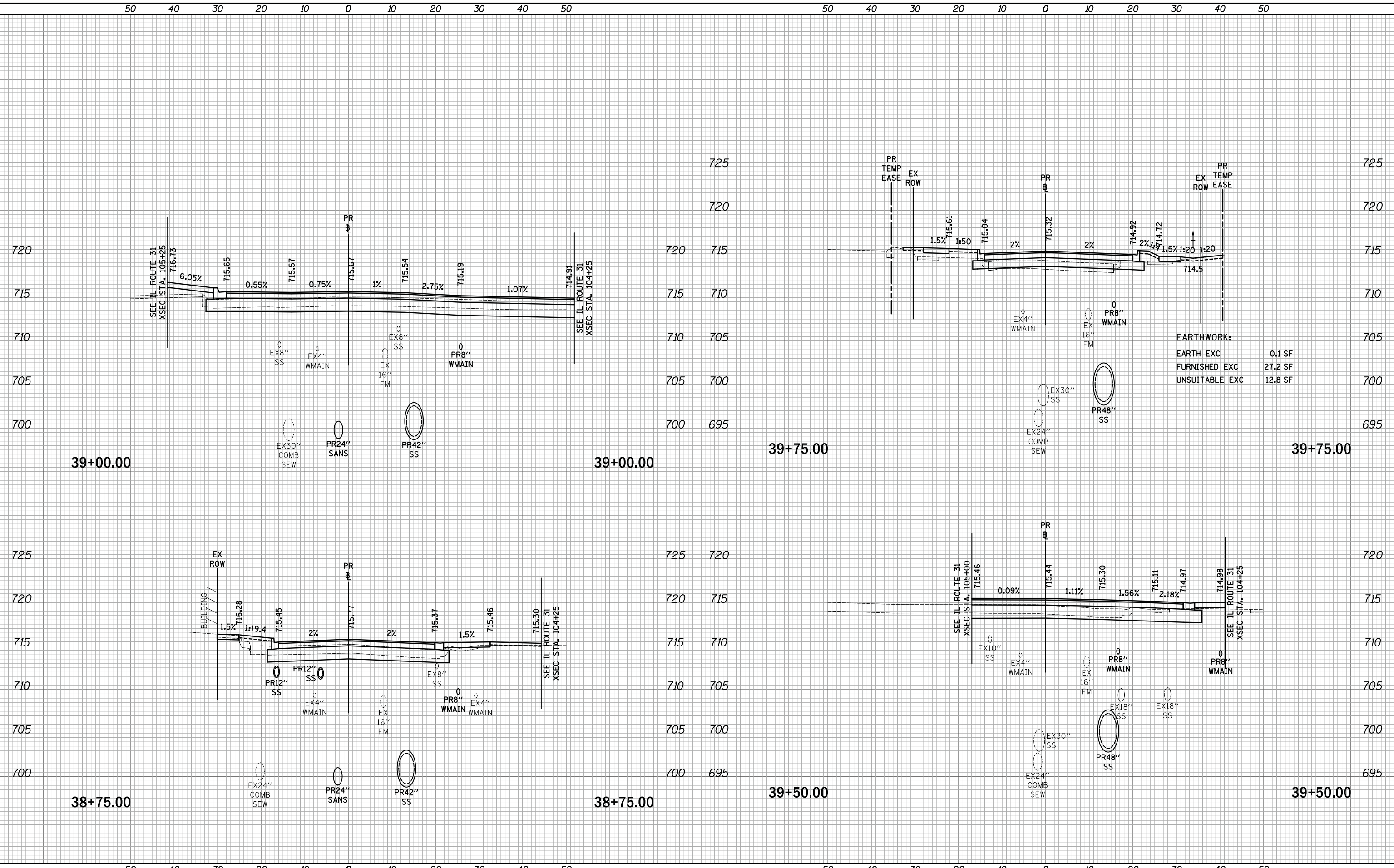
SCALE: 1"=10'H/5'V SHEET OF SHEETS STA. 37+50.00 TO STA. 38+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
524	12-00073-02-FP	KANE	207	186
			CONTRACT NO. 61F32	
			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	SURVEYED	DATE
NO.	PLOTTED	BY
	TEMPLATE	
	AREAS	
	NOTE BOOK	
	AREAS CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NO.	PLOTTED	BY
	TEMPLATE	
	AREAS	
	NOTE BOOK	
	AREAS CHECKED	

PLOT DRIVER = ...  
 PEN TABLE = ...  
 FILE NAME = ...



**EARTHWORK:**

EARTH EXC	0.1 SF
FURNISHED EXC	27.2 SF
UNSUITABLE EXC	12.8 SF



USER NAME = mjp	DESIGNED - MJP	REVISED -
	DRAWN - MJP	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - DNM	REVISED -
PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAIN STREET  
CROSS SECTIONS**

SCALE: 1"=10'H/5'V SHEET OF SHEETS STA. 38+75.00 TO STA. 39+75.00

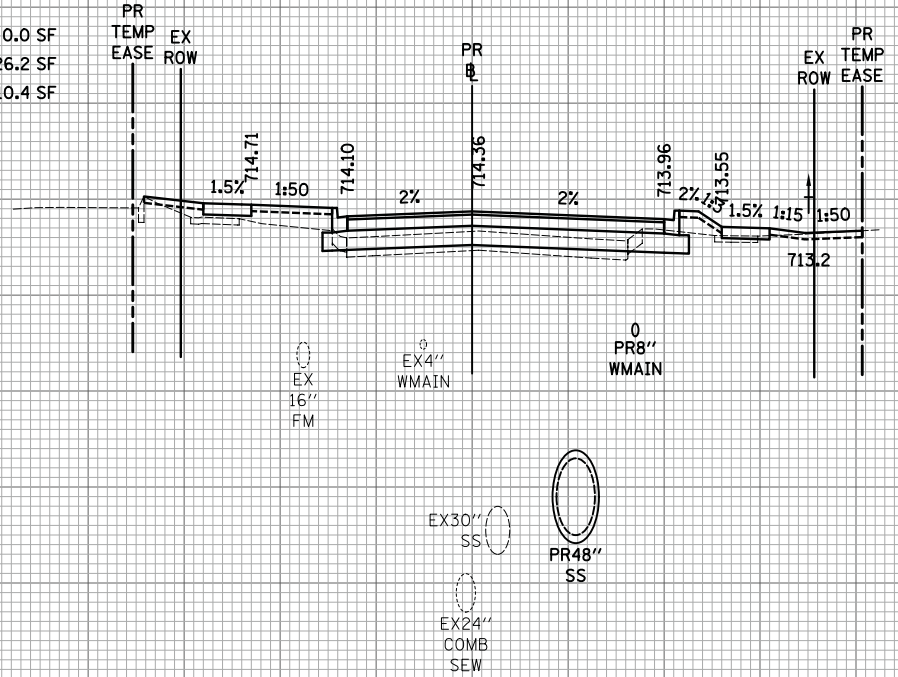
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
524	12-00073-02-FP	KANE	207	187
			CONTRACT NO. 61F32	
ILLINOIS		FED. AID PROJECT		

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	

PLOT DRIVER = ...  
 PEN TABLE = ...  
 FILE NAME = ...

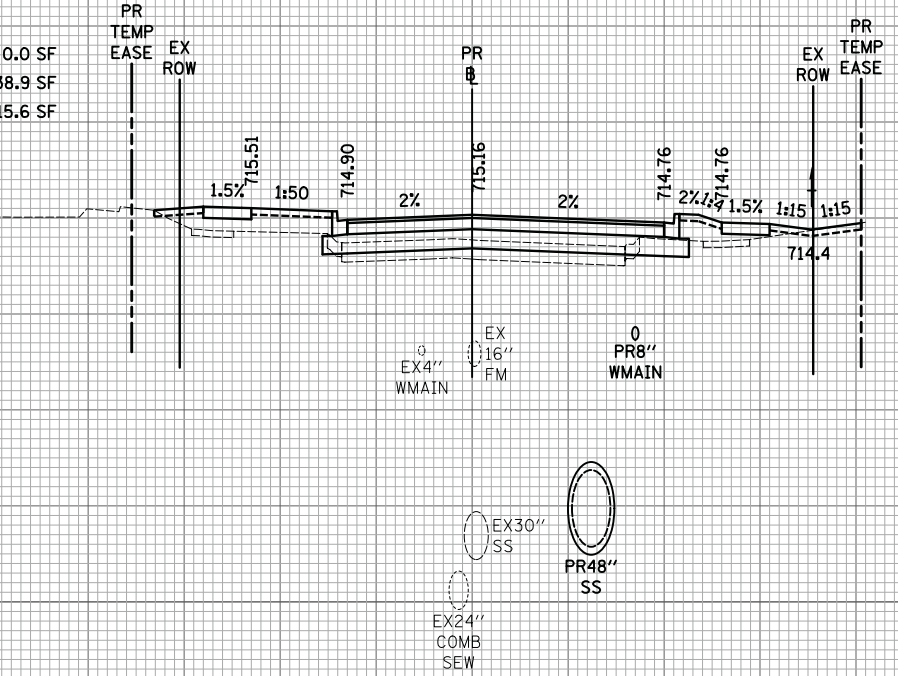
725	EARTHWORK:		
	EARTH EXC	0.0 SF	
	FURNISHED EXC	26.2 SF	
720	UNSUITABLE EXC	10.4 SF	



725	720
720	715
715	710
710	705
705	700
700	695
695	690

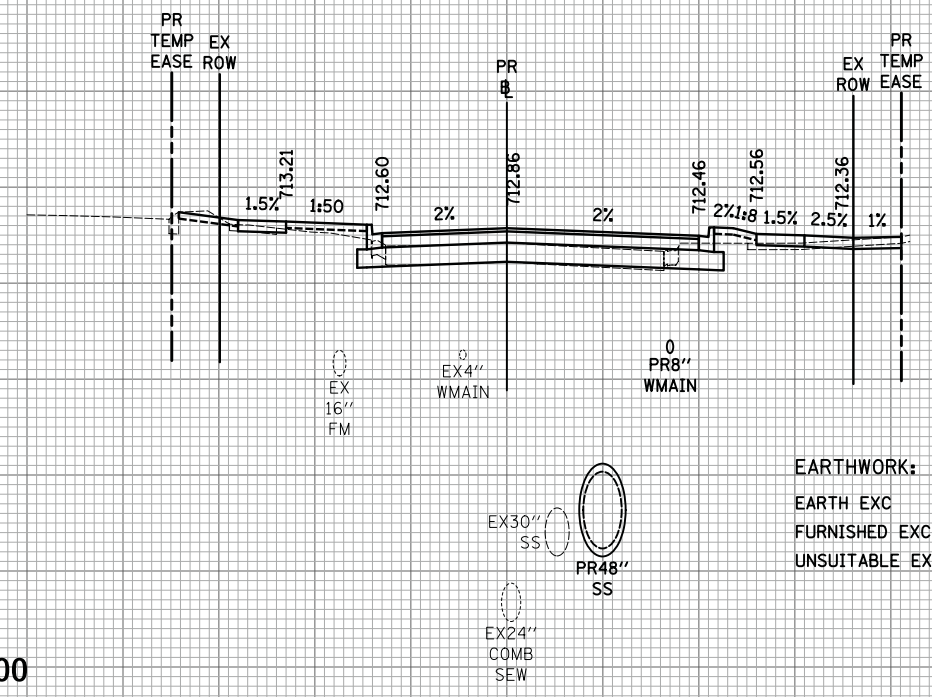
40+50.00

725	EARTHWORK:		
	EARTH EXC	0.0 SF	
	FURNISHED EXC	38.9 SF	
720	UNSUITABLE EXC	15.6 SF	



725	720
720	715
715	710
710	705
705	700
700	695
695	690

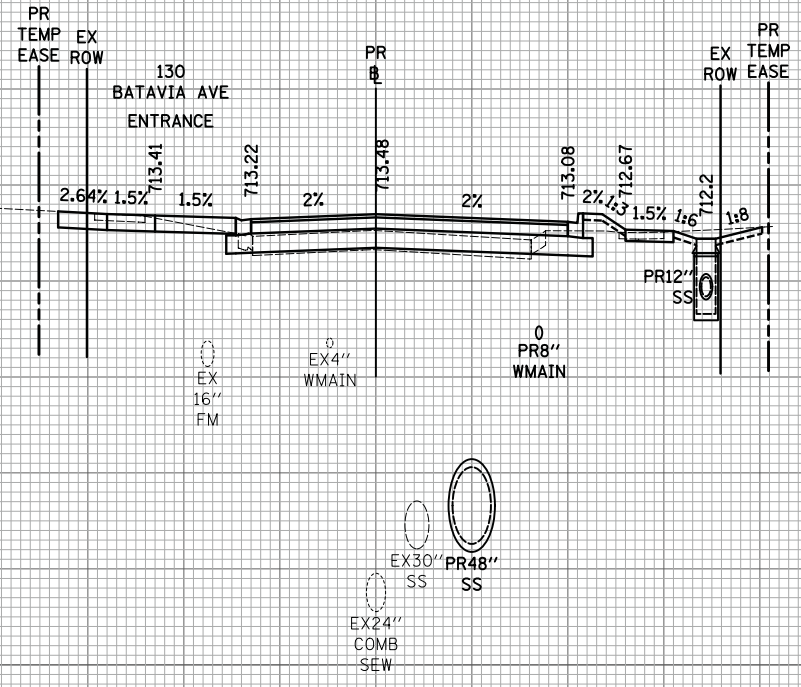
40+00.00



725	720
720	715
715	710
710	705
705	700
700	695
695	690

41+00.00

EARTHWORK:	
EARTH EXC	1.2 SF
FURNISHED EXC	15.1 SF
UNSUITABLE EXC	16.0 SF



725	720
720	715
715	710
710	705
705	700
700	695
695	690

40+82.00



USER NAME = mjp	DESIGNED - MJP	REVISED -
	DRAWN - MJP	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - DNM	REVISED -
PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MAIN STREET  
CROSS SECTIONS

SCALE: 1"=10'H/5'V SHEET OF SHEETS STA. 40+00.00 TO STA. 41+00.00

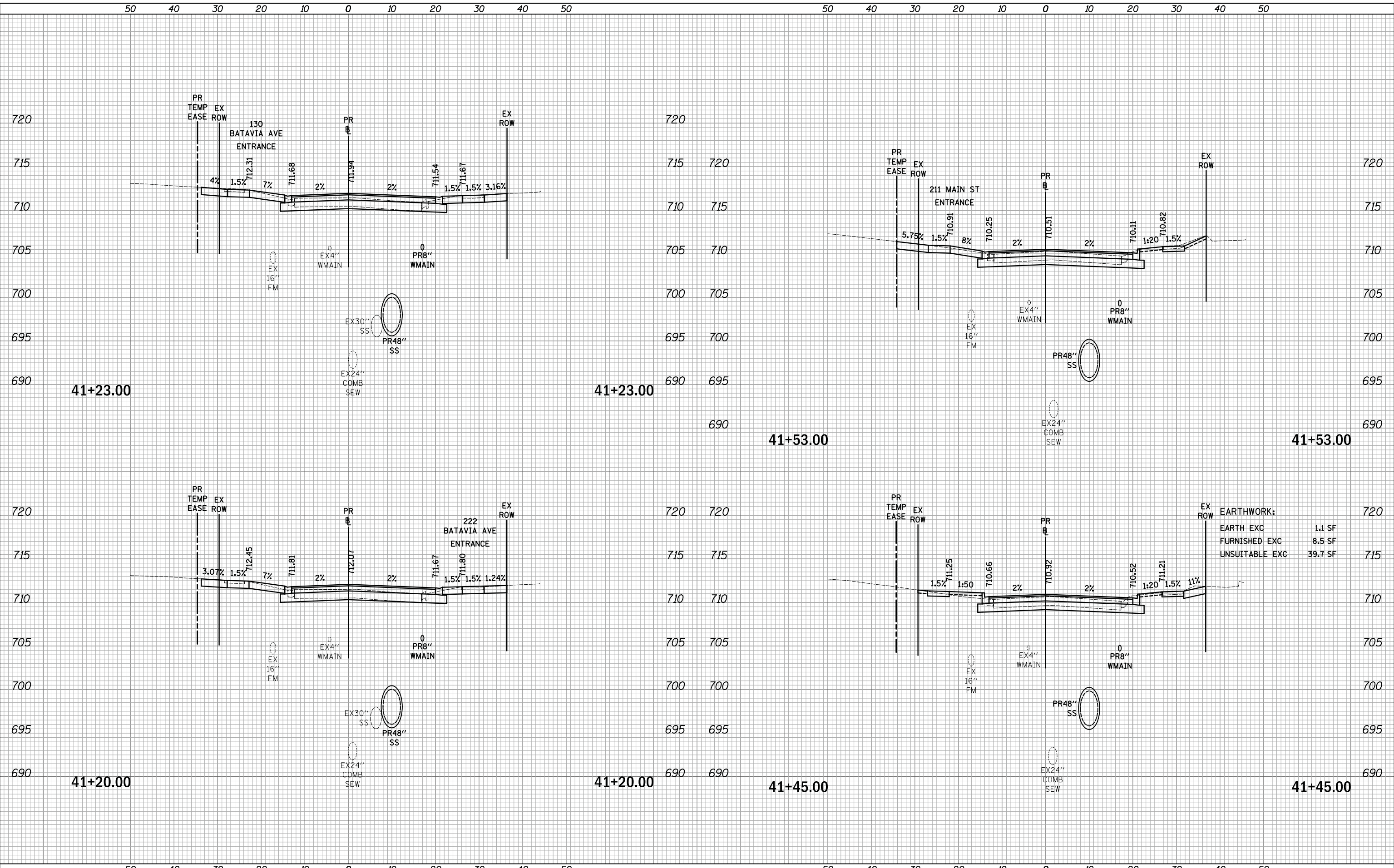
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1442	12-00073-02-FP	KANE	207	188
				CONTRACT NO. 61F32
		ILLINOIS	FED. AID PROJECT	



DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	

PLOT DRIVER = ...  
 PEN TABLE = ...  
 FILE NAME = ...



**EARTHWORK:**

EARTH EXC	1.1 SF
FURNISHED EXC	8.5 SF
UNSUITABLE EXC	39.7 SF



USER NAME = mjp	DESIGNED - MJP	REVISED -
	DRAWN - MJP	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - DNM	REVISED -
PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

MAIN STREET  
 CROSS SECTIONS

SCALE: 1"=10'H/5'V SHEET OF SHEETS STA. 41+20.00 TO STA. 41+53.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1442	12-00073-02-FP	KANE	207	189
			CONTRACT NO. 61F32	
ILLINOIS FED. AID PROJECT				

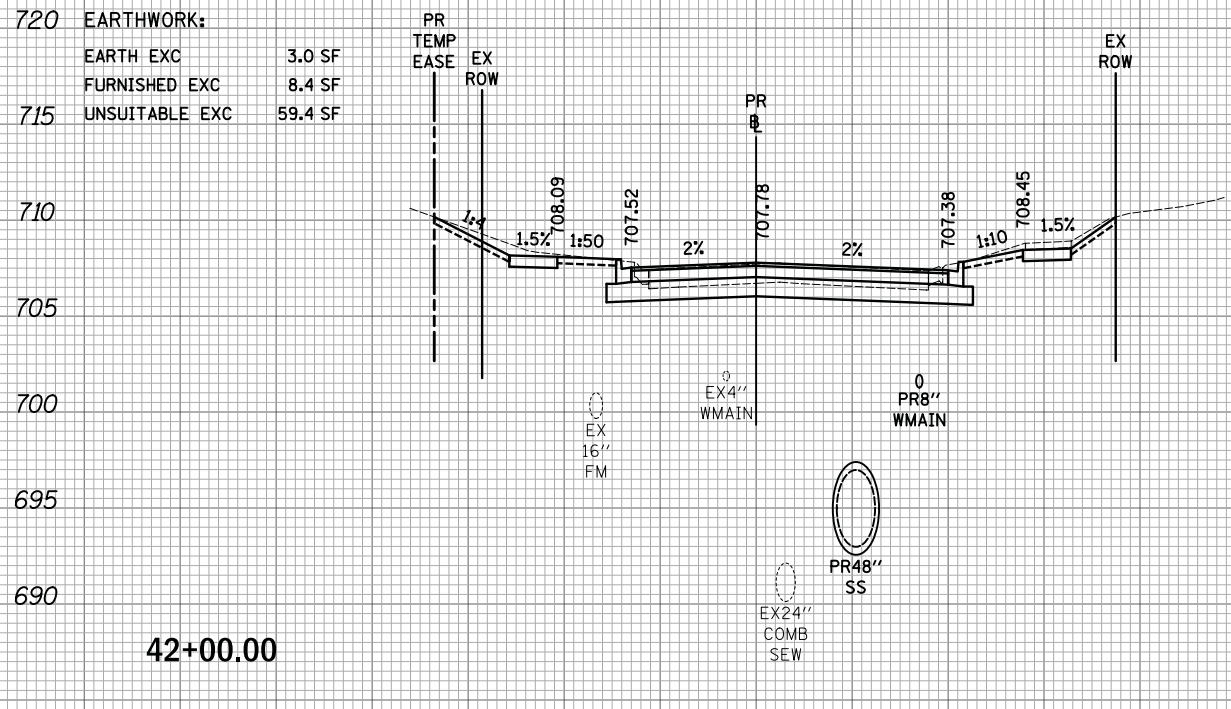
50 40 30 20 10 0 10 20 30 40 50

50 40 30 20 10 0 10 20 30 40 50

720 EARTHWORK:

EARTH EXC	3.0 SF
FURNISHED EXC	8.4 SF
UNSUITABLE EXC	59.4 SF

715



720

715

710 715

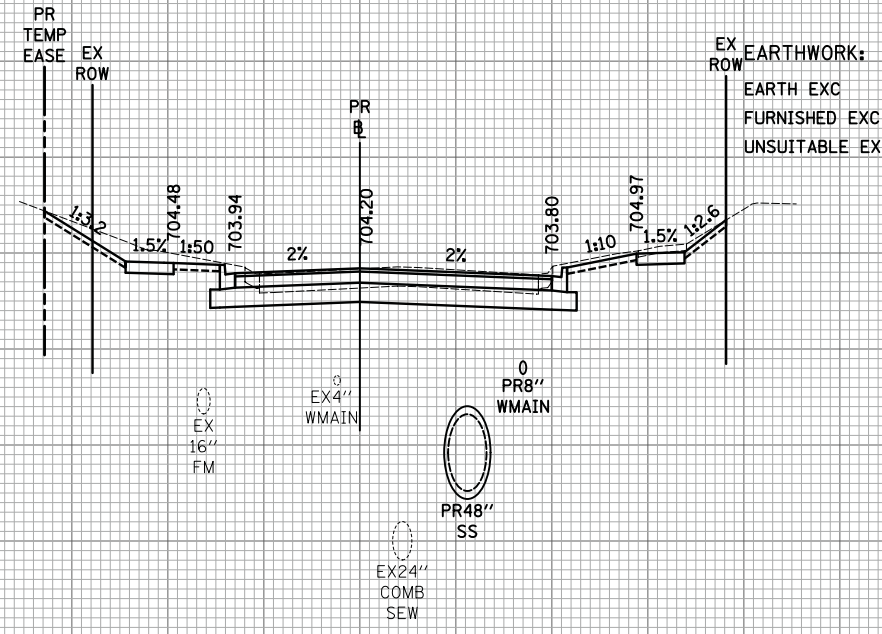
705 710

700 705

695 700

690 695

690

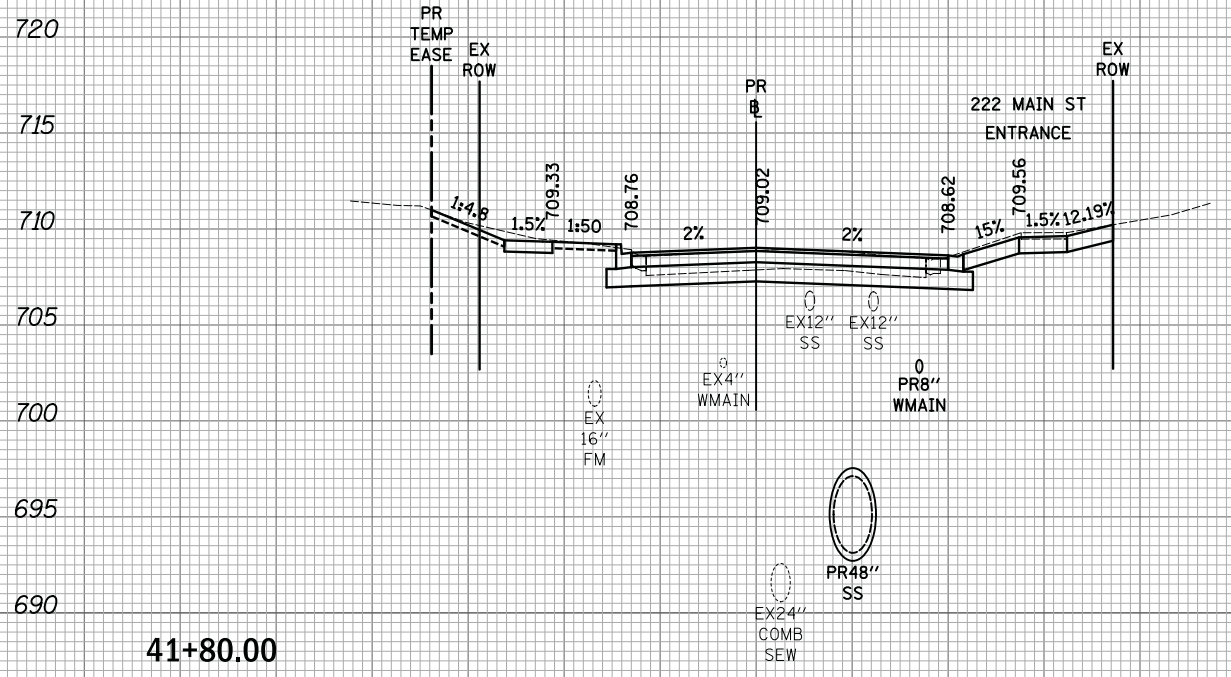
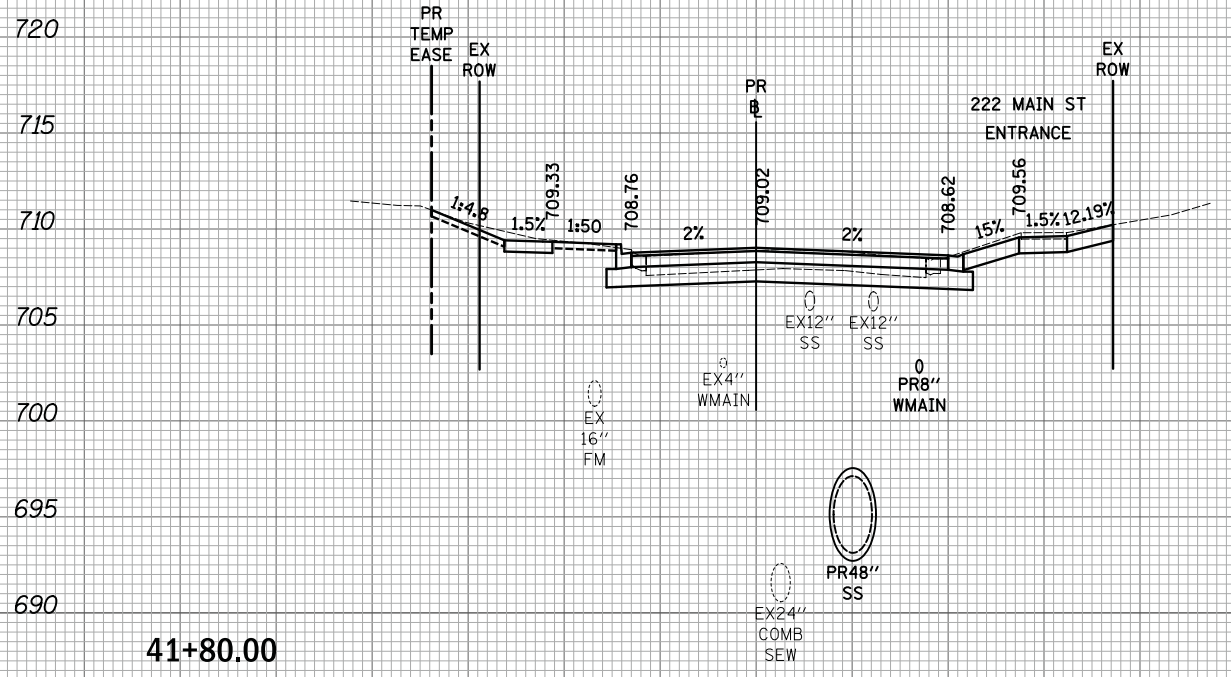


EARTHWORK:

EARTH EXC	2.9 SF
FURNISHED EXC	8.4 SF
UNSUITABLE EXC	68.8 SF

42+50.00

42+50.00



720

715 715

710 710

705 705

700 700

695 695

690 690

690

42+29.00

42+29.00

50 40 30 20 10 0 10 20 30 40 50

50 40 30 20 10 0 10 20 30 40 50

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	

PLOT DRIVER = ...

PEN TABLE = ...

FILE NAME = ...



USER NAME = mjp	DESIGNED - MJP	REVISED -
	DRAWN - MJP	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - DNM	REVISED -
PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MAIN STREET  
CROSS SECTIONS

SCALE: 1"=10'H/5'V SHEET OF SHEETS STA. 41+80.00 TO STA. 42+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1442	12-00073-02-FP	KANE	207	190
			CONTRACT NO. 61F32	

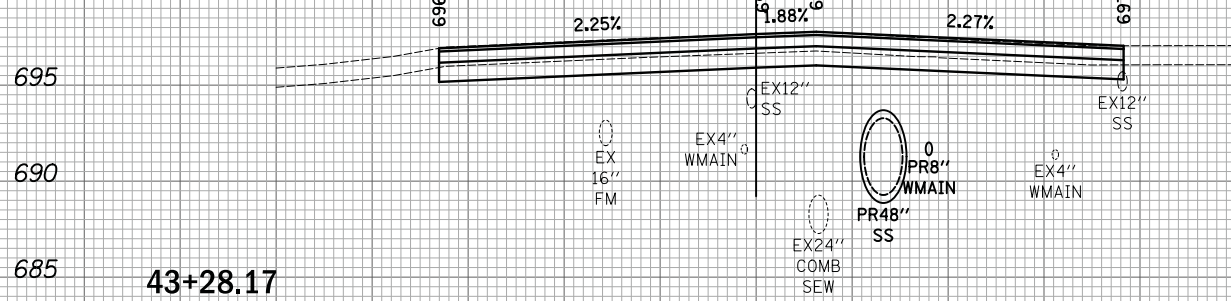
ILLINOIS FED. AID PROJECT

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
FINAL	
NO.	

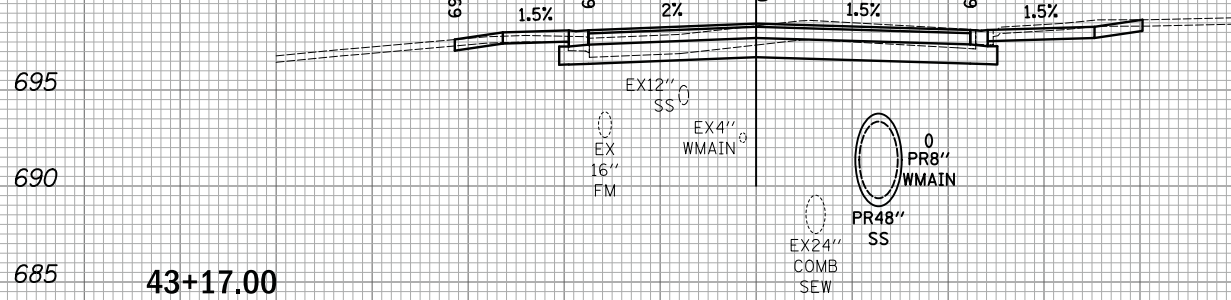
DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
ORIGINAL	
NO.	

PLOT DRIVER = ...  
 PEN TABLE = ...  
 FILE NAME = ...

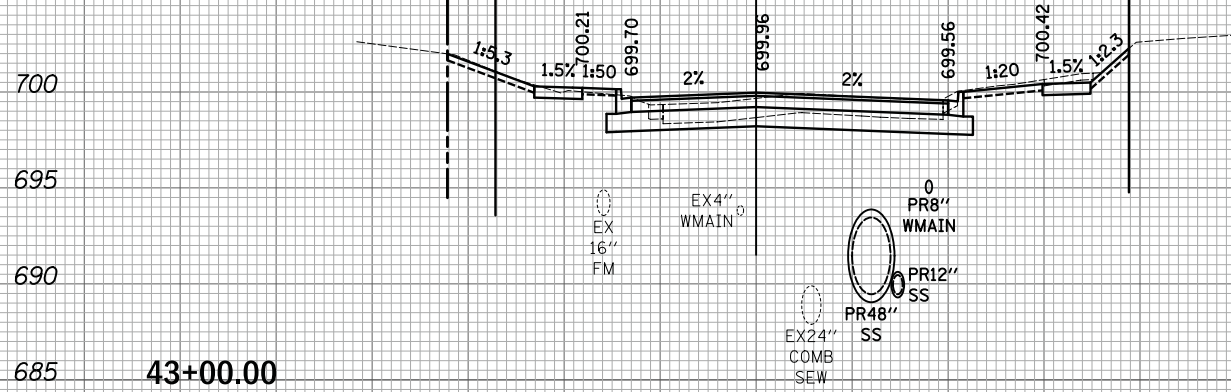
705 EARTHWORK:  
 EARTH EXC 0.0 SF  
 FURNISHED EXC 0.0 SF  
 700 UNSUITABLE EXC 53.0 SF



705 EARTHWORK:  
 EARTH EXC 11.9 SF  
 FURNISHED EXC 2.8 SF  
 700 UNSUITABLE EXC 30.5 SF



710 EARTHWORK:  
 EARTH EXC 3.2 SF  
 FURNISHED EXC 7.9 SF  
 705 UNSUITABLE EXC 48.5 SF



USER NAME = mjp	DESIGNED - MJP	REVISED -
	DRAWN - MJP	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - DNM	REVISED -
PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

MAIN STREET  
 CROSS SECTIONS

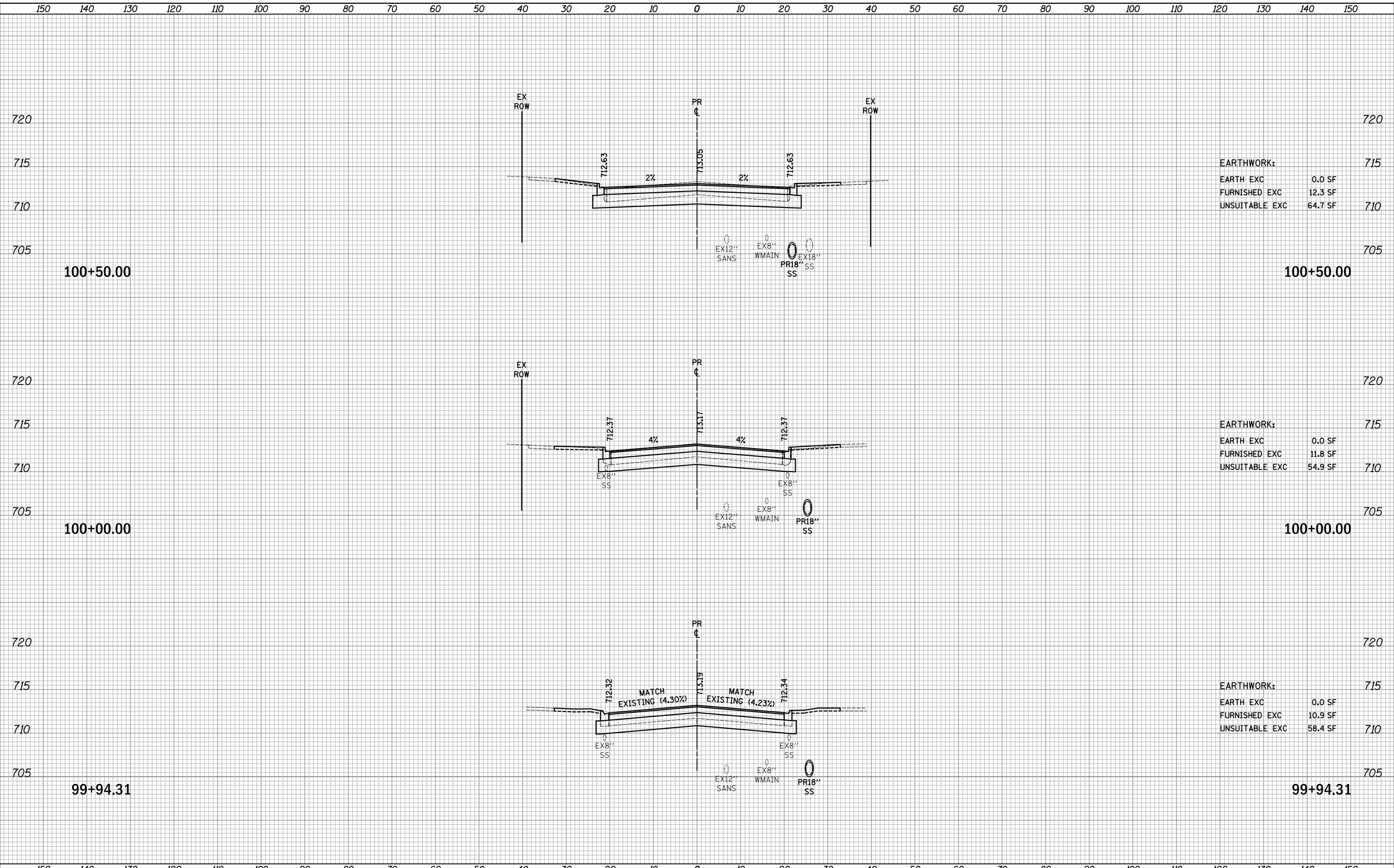
SCALE: 1"=10'H/5'V SHEET OF SHEETS STA. 43+00.00 TO STA. 43+28.17

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1442	12-00073-02-FP	KANE	207	191
			CONTRACT NO. 61F32	
		ILLINOIS FED. AID PROJECT		

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	

PLOT DRIVER = ...  
 PEN TABLE = ...  
 FILE NAME = ...



<b>EARTHWORK:</b>	
EARTH EXC	0.0 SF
FURNISHED EXC	12.3 SF
UNSUITABLE EXC	64.7 SF

<b>EARTHWORK:</b>	
EARTH EXC	0.0 SF
FURNISHED EXC	11.8 SF
UNSUITABLE EXC	54.9 SF

<b>EARTHWORK:</b>	
EARTH EXC	0.0 SF
FURNISHED EXC	10.9 SF
UNSUITABLE EXC	58.4 SF

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



USER NAME = mjp	DESIGNED - MJP	REVISED -
	DRAWN - MJP	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - DNM	REVISED -
PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 31  
CROSS SECTIONS**

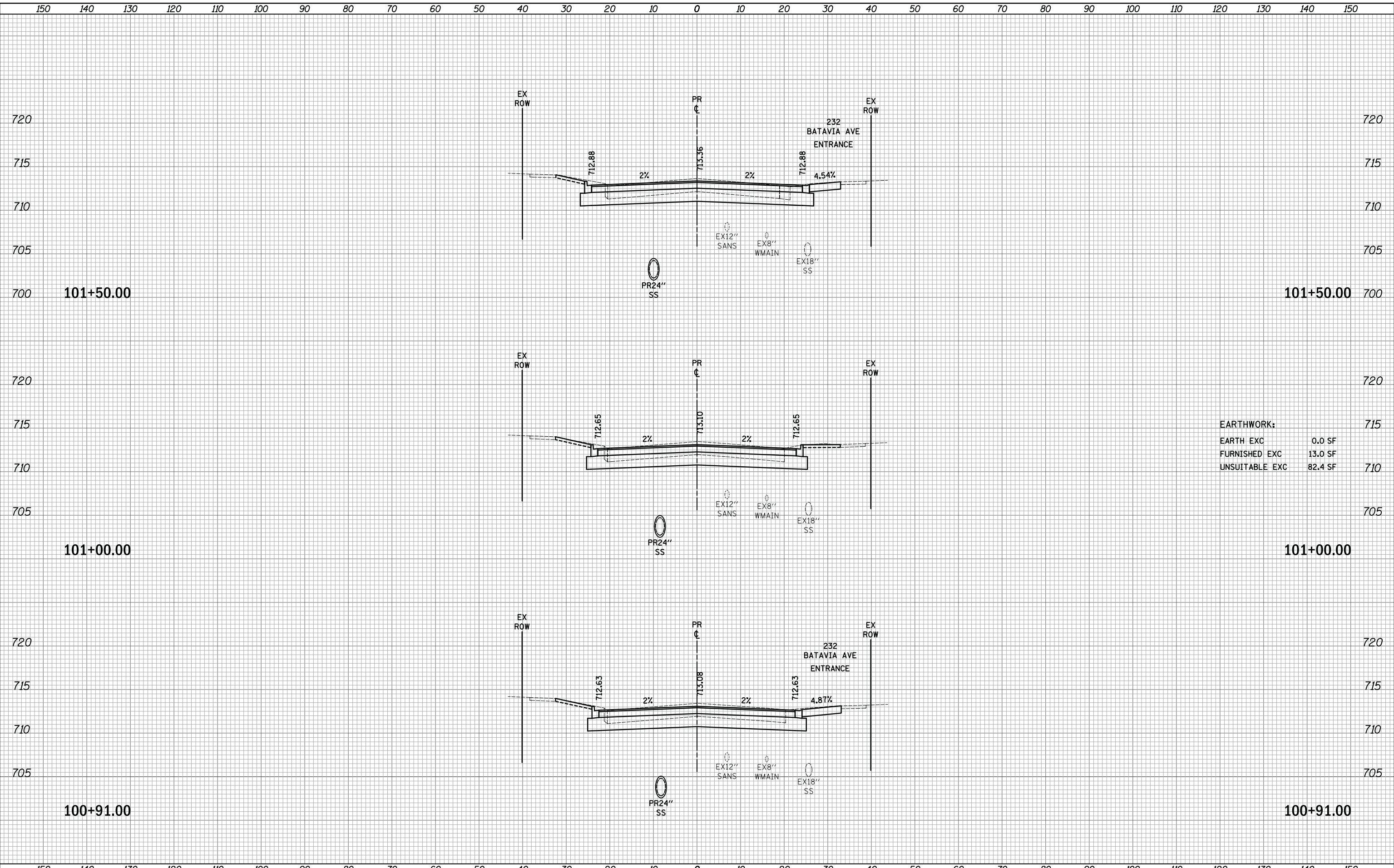
SCALE: 1"=10'H/5'V SHEET OF SHEETS STA. 99+94.31 TO STA. 100+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	12-00073-02-FP	KANE	207	192
CONTRACT NO. 61F32				
ILLINOIS		FED. AID PROJECT		

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	

PLOT DRIVER = ...  
 PEN TABLE = ...  
 FILE NAME = ...



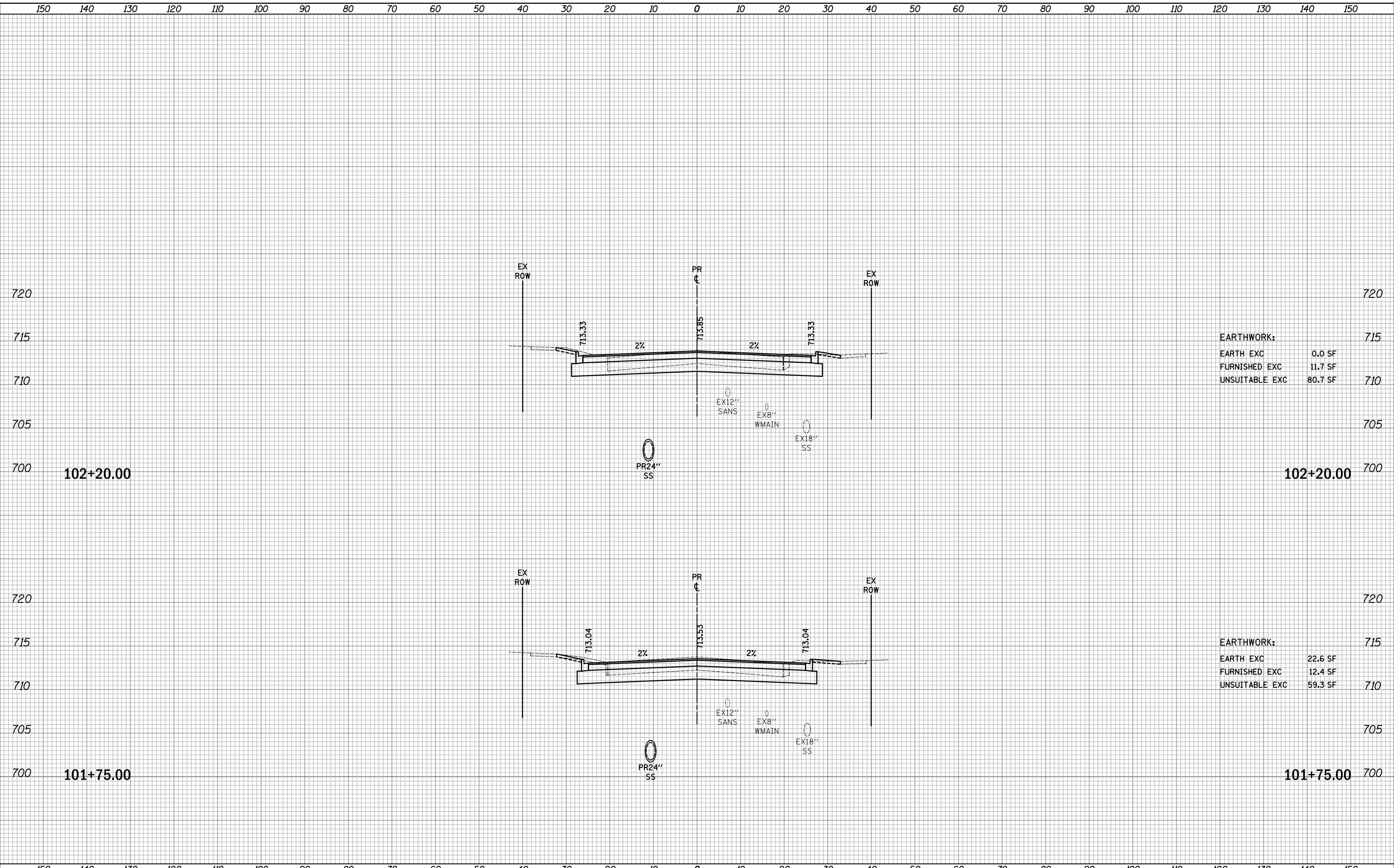
EARTHWORK:

EARTH EXC	0.0 SF
FURNISHED EXC	13.0 SF
UNSUITABLE EXC	82.4 SF

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	

PLOT DRIVER = ...  
 PEN TABLE = ...  
 FILE NAME = ...



<b>EARTHWORK:</b>	
EARTH EXC	0.0 SF
FURNISHED EXC	11.7 SF
UNSUITABLE EXC	80.7 SF

<b>EARTHWORK:</b>	
EARTH EXC	22.6 SF
FURNISHED EXC	12.4 SF
UNSUITABLE EXC	59.3 SF

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



USER NAME = mjp	DESIGNED - MJP	REVISED -
	DRAWN - MJP	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - DNM	REVISED -
PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

IL ROUTE 31  
 CROSS SECTIONS

SCALE: 1"=10'H/5'V SHEET OF SHEETS STA. 101+75.00 TO STA. 102+20.00

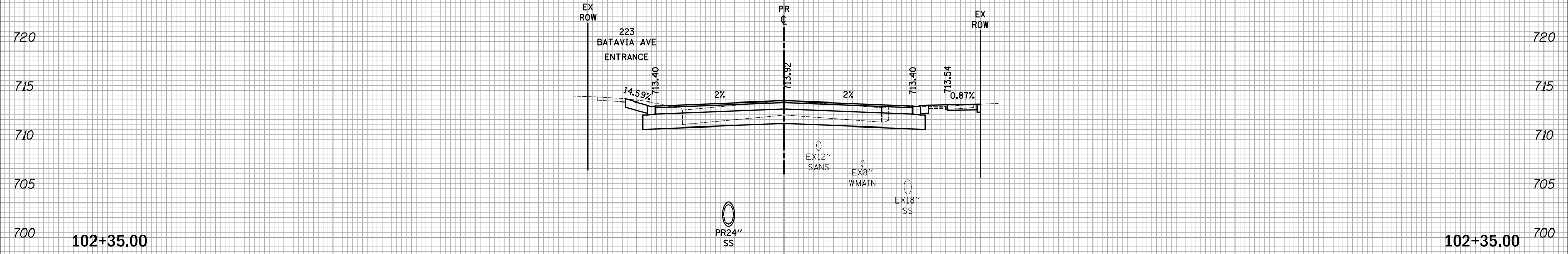
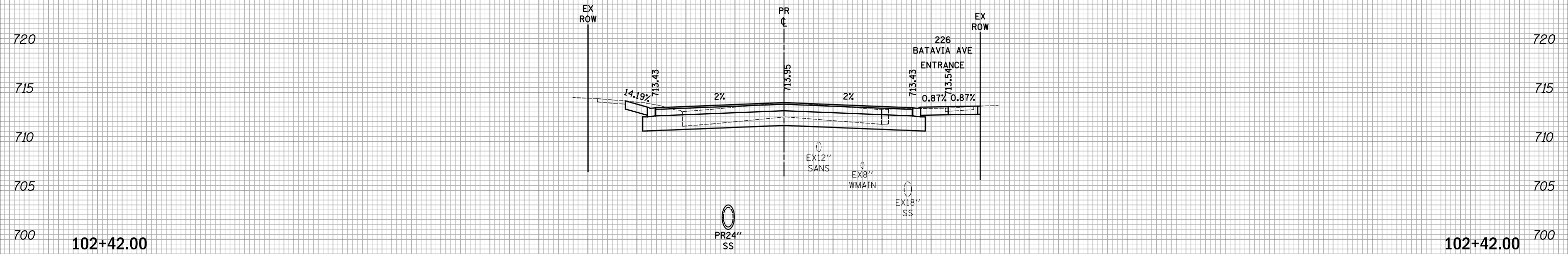
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	12-00073-02-FP	KANE	207	194
			CONTRACT NO. 61F32	
		ILLINOIS FED. AID PROJECT		

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

FINAL SURVEY NO.	SURVEYED AREAS CHECKED	DATE

ORIGINAL SURVEY NO.	SURVEYED AREAS CHECKED	DATE

PLOT DRIVER = ...  
 PEN TABLE = ...  
 FILE NAME = ...



150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



USER NAME = mjp	DESIGNED - MJP	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - MJP	REVISED -
PLOT DATE = 11/5/2019	CHECKED - DNM	REVISED -
	DATE - 11/06/19	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

IL ROUTE 31  
 CROSS SECTIONS

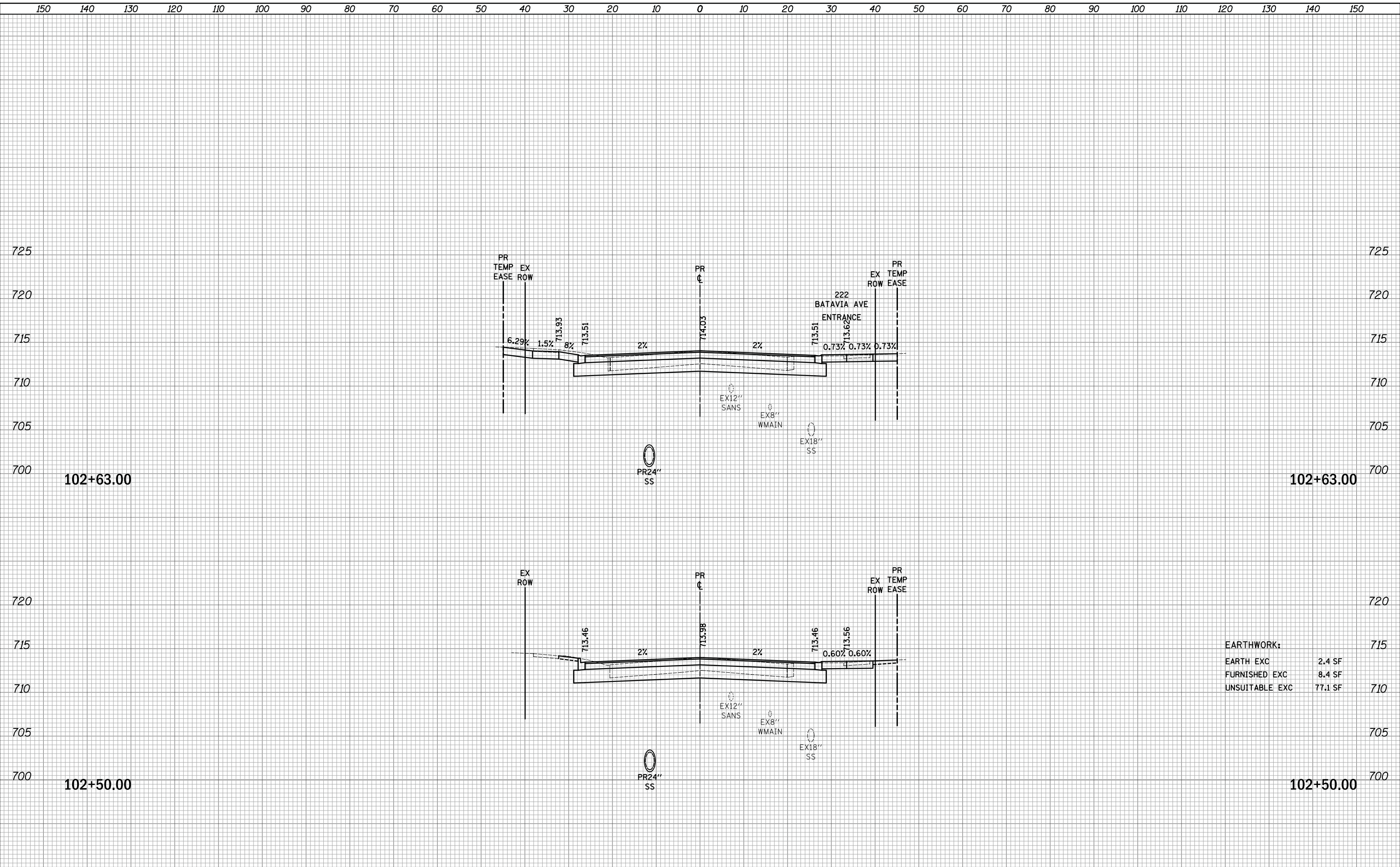
SCALE: 1"=10'H/5'V SHEET OF SHEETS STA. 102+35.00 TO STA. 102+42.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	12-00073-02-FP	KANE	207	195
CONTRACT NO. 61F32			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

PLOT DRIVER = ...  
 PEN TABLE = ...  
 FILE NAME = ...



<b>EARTHWORK:</b>	
EARTH EXC	2.4 SF
FURNISHED EXC	8.4 SF
UNSUITABLE EXC	77.1 SF

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



USER NAME = mjp	DESIGNED - MJP	REVISED -
	DRAWN - MJP	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - DNM	REVISED -
PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 31**  
**CROSS SECTIONS**

SCALE: 1"=10'H/5'V SHEET OF SHEETS STA. 102+50.00 TO STA. 102+63.00

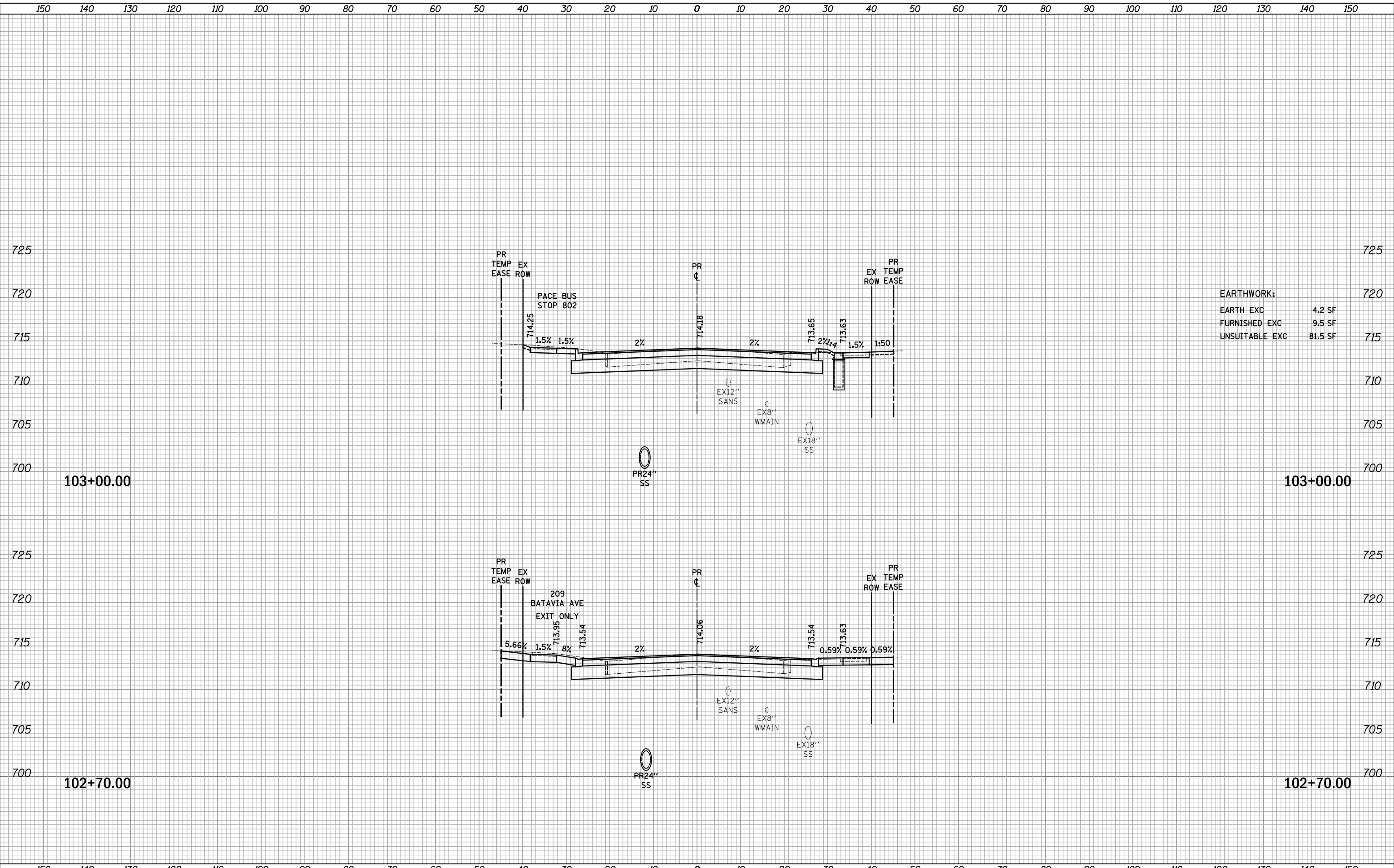
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	12-00073-02-FP	KANE	207	196
			CONTRACT NO. 61F32	
		ILLINOIS	FED. AID PROJECT	



DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	

PLOT DRIVER = ...  
 PEN TABLE = ...  
 FILE NAME = ...



**EARTHWORK:**

EARTH EXC	4.2 SF
FURNISHED EXC	9.5 SF
UNSUITABLE EXC	81.5 SF

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



USER NAME = mjp	DESIGNED - MJP	REVISED -
	DRAWN - MJP	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - DNM	REVISED -
PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 31  
CROSS SECTIONS**

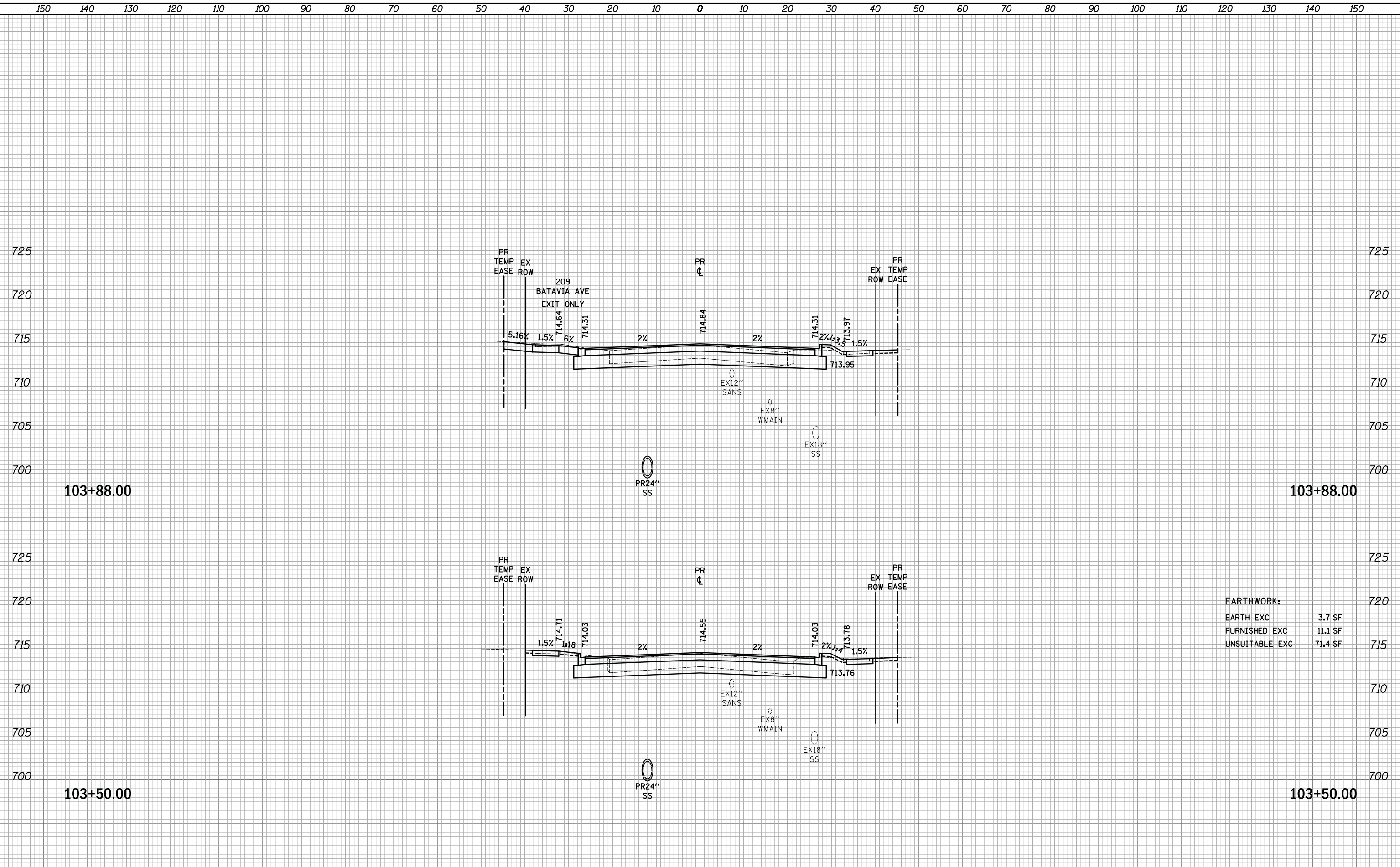
SCALE: 1"=10'H/5'V SHEET OF SHEETS STA. 102+70.00 TO STA. 103+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	12-00073-02-FP	KANE	207	197
				CONTRACT NO. 61F32
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
	AREAS	
	CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
	AREAS	
	CHECKED	

PLOT DRIVER = ...  
 PEN TABLE = ...  
 FILE NAME = ...



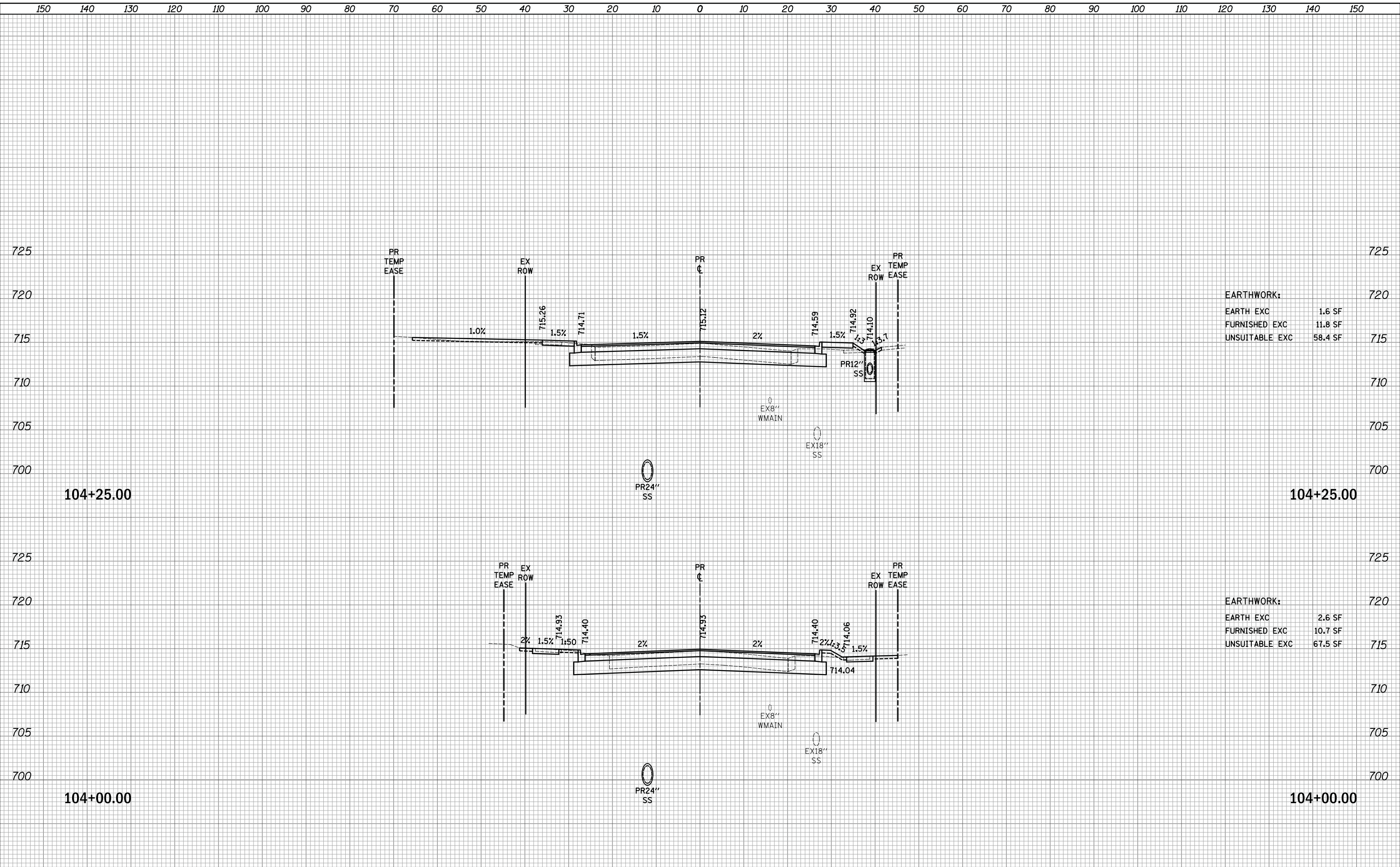
**EARTHWORK:**

EARTH EXC	3.7 SF
FURNISHED EXC	11.1 SF
UNSUITABLE EXC	71.4 SF

FINAL SURVEY	SURVEYED	DATE
SURVEY	PLOTTED	
NOTE BOOK	TEMPLATE	
NO.	AREAS CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	TEMPLATE	
	AREAS CHECKED	

PLOT DRIVER = ...  
 PEN TABLE = ...  
 FILE NAME = ...



<b>EARTHWORK:</b>	
EARTH EXC	1.6 SF
FURNISHED EXC	11.8 SF
UNSUITABLE EXC	58.4 SF

<b>EARTHWORK:</b>	
EARTH EXC	2.6 SF
FURNISHED EXC	10.7 SF
UNSUITABLE EXC	67.5 SF

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



USER NAME = mjp	DESIGNED - MJP	REVISED -
	DRAWN - MJP	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - DNM	REVISED -
PLOT DATE = 11/5/2019	DATE - 11/06/19	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

IL ROUTE 31  
 CROSS SECTIONS

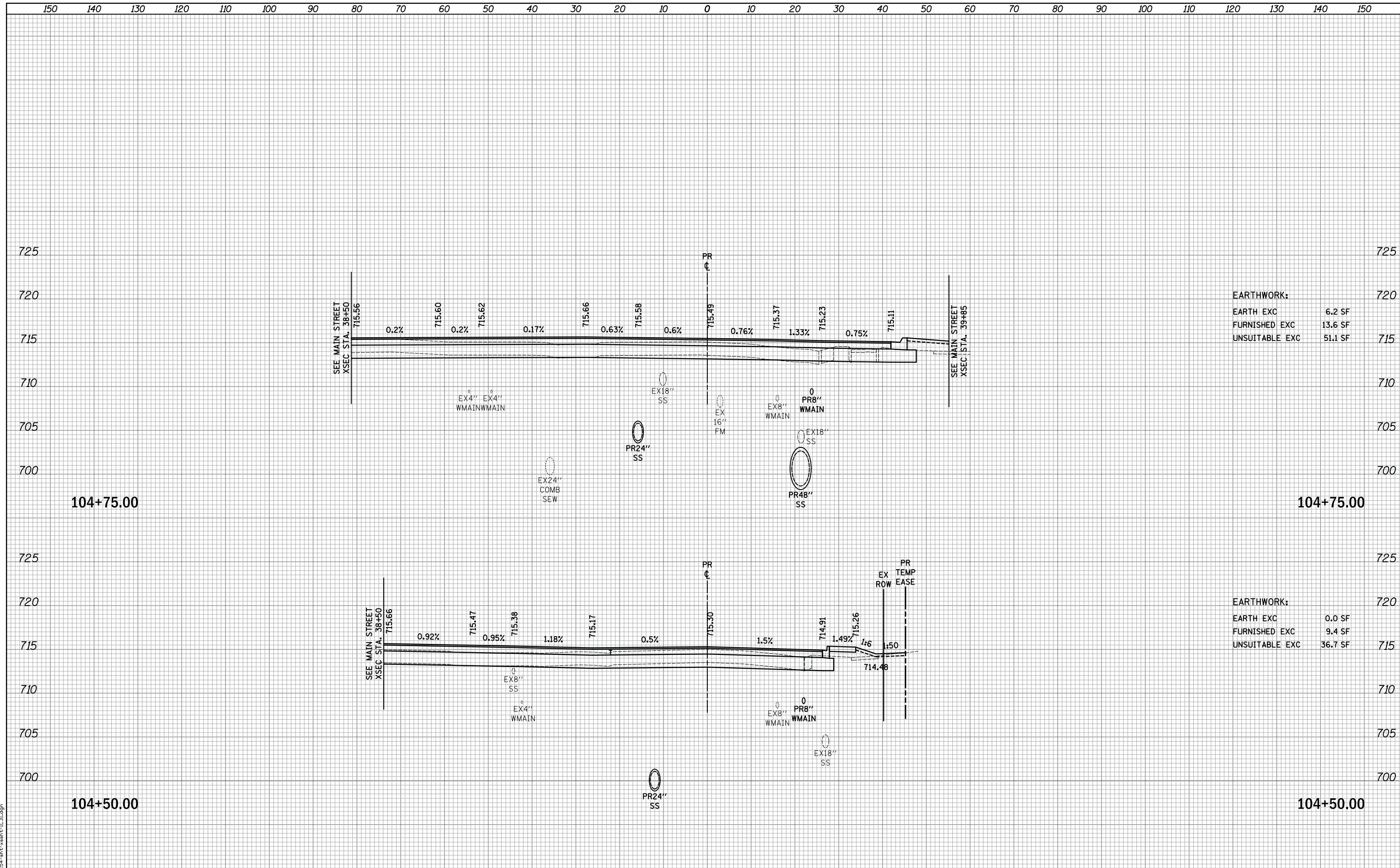
SCALE: 1"=10'H/5'V SHEET OF SHEETS STA. 104+00.00 TO STA. 104+25.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	12-00073-02-FP	KANE	207	199
			CONTRACT NO. 61F32	
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	CHECKED		

PLOT DRIVER = ...  
 PEN TABLE = ...  
 FILE NAME = ...



**EARTHWORK:**

EARTH EXC	6.2 SF
FURNISHED EXC	13.6 SF
UNSUITABLE EXC	51.1 SF

**EARTHWORK:**

EARTH EXC	0.0 SF
FURNISHED EXC	9.4 SF
UNSUITABLE EXC	36.7 SF

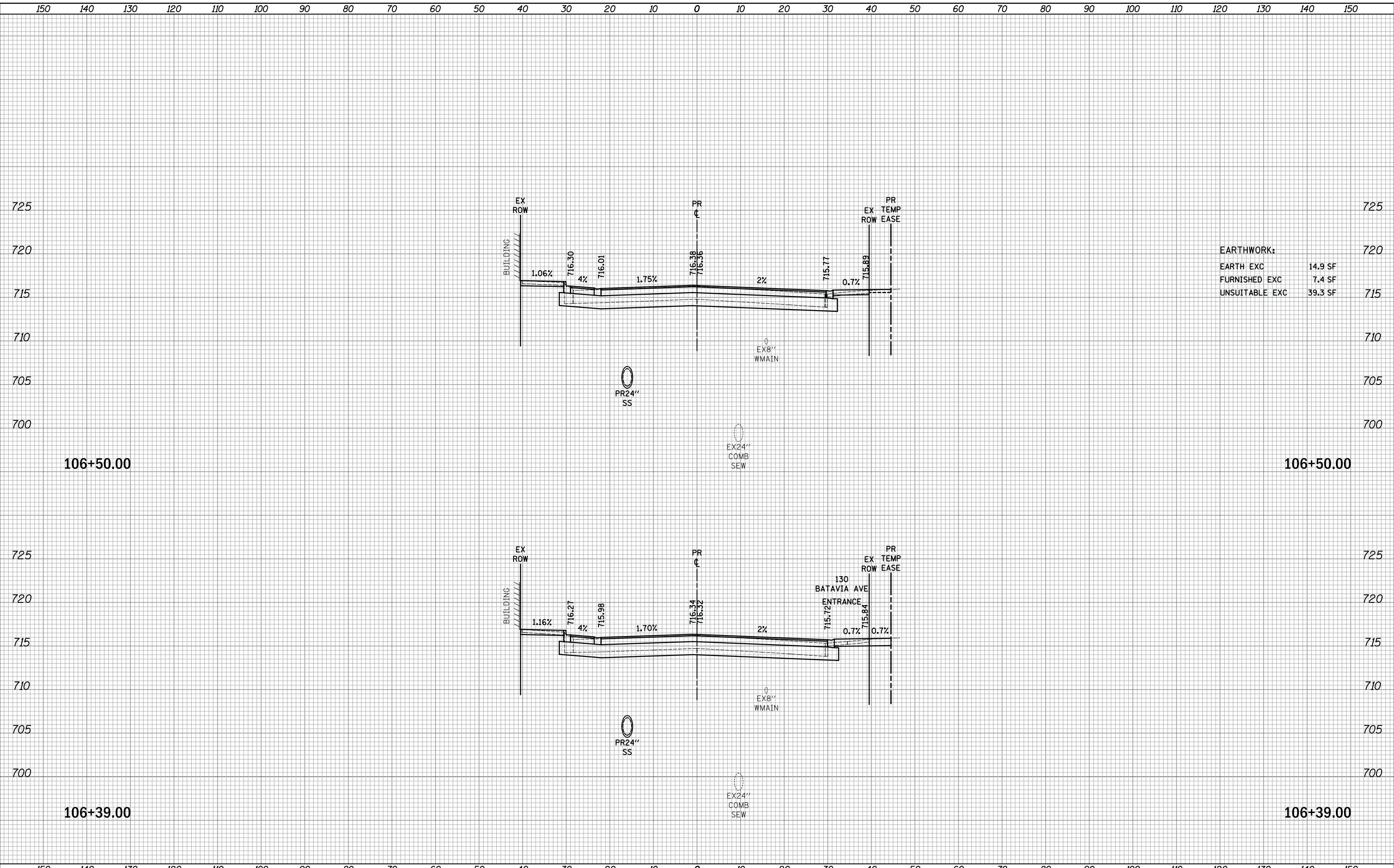




FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
	AREAS	
	CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
	AREAS	
	CHECKED	

PLOT DRIVER = ...  
 PEN TABLE = ...  
 FILE NAME = ...



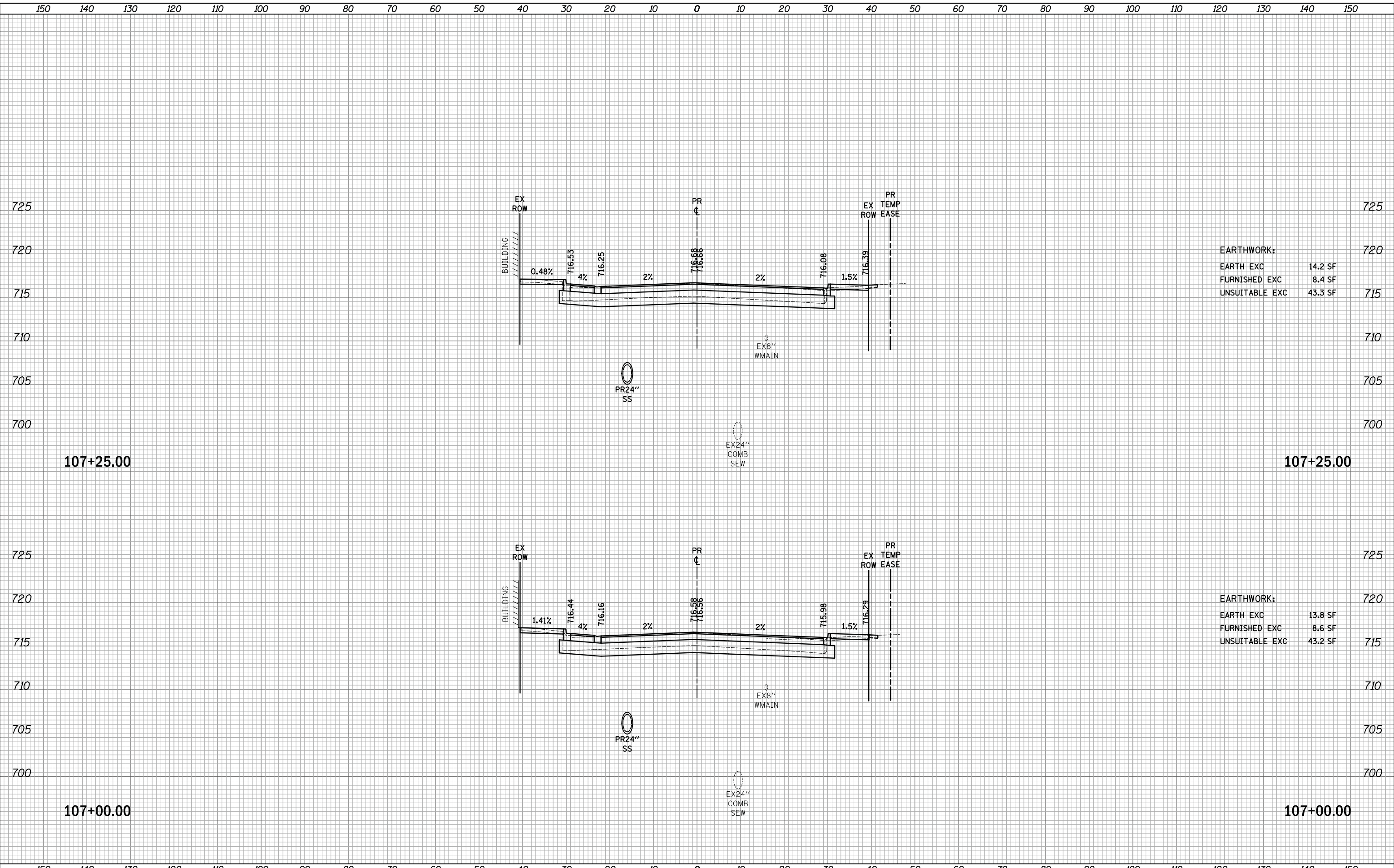
**EARTHWORK:**

EARTH EXC	14.9 SF
FURNISHED EXC	7.4 SF
UNSUITABLE EXC	39.3 SF

FINAL SURVEY NO.	SURVEYED AREAS CHECKED
BY	DATE
PLOTTED	TEMPLATE
NOTE BOOK	AREAS CHECKED

ORIGINAL SURVEY NO.	SURVEYED AREAS CHECKED
BY	DATE
PLOTTED	TEMPLATE
NOTE BOOK	AREAS CHECKED

PLOT DRIVER = ...  
 PEN TABLE = ...  
 FILE NAME = ...



**EARTHWORK:**

EARTH EXC	14.2 SF
FURNISHED EXC	8.4 SF
UNSUITABLE EXC	43.3 SF

**EARTHWORK:**

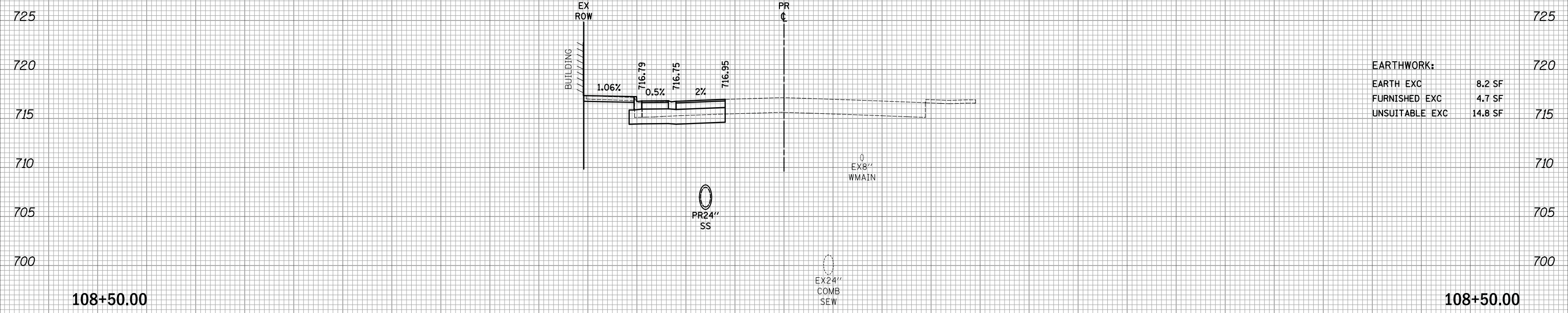
EARTH EXC	13.8 SF
FURNISHED EXC	8.6 SF
UNSUITABLE EXC	43.2 SF





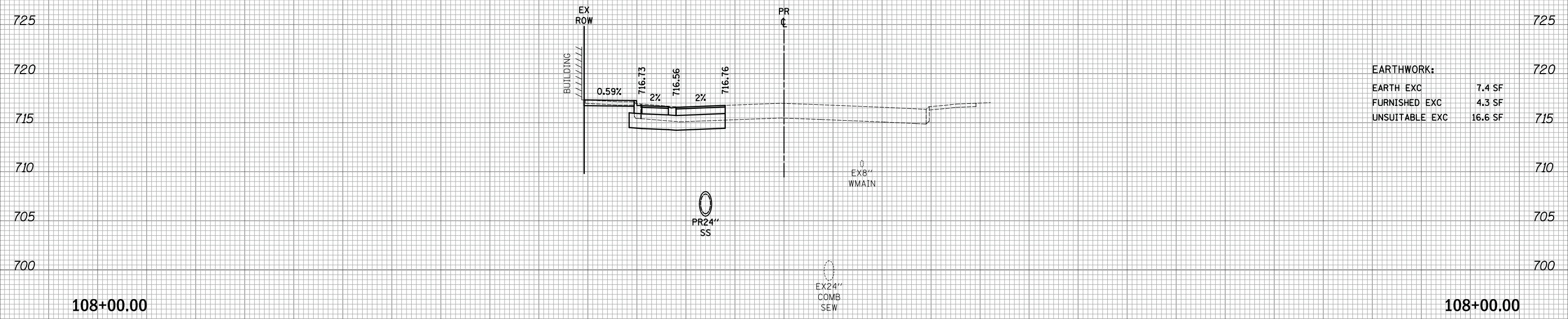
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

FINAL SURVEY NO.	SURVEYED AREAS CHECKED	DATE
NO.		



<b>EARTHWORK:</b>	
EARTH EXC	8.2 SF
FURNISHED EXC	4.7 SF
UNSUITABLE EXC	14.8 SF

ORIGINAL SURVEY NO.	SURVEYED AREAS CHECKED	DATE
NO.		



<b>EARTHWORK:</b>	
EARTH EXC	7.4 SF
FURNISHED EXC	4.3 SF
UNSUITABLE EXC	16.6 SF

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

PLOT DRIVER = ...  
PEN TABLE = ...  
FILE NAME = ...



USER NAME = mjp	DESIGNED - MJP	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - MJP	REVISED -
PLOT DATE = 11/5/2019	CHECKED - DNM	REVISED -
	DATE - 11/06/19	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 31  
CROSS SECTIONS**

SCALE: 1"=10'H/5'V SHEET OF SHEETS STA. 108+00.00 TO STA. 108+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3887	12-00073-02-FP	KANE	207	206
CONTRACT NO. 61F32			ILLINOIS FED. AID PROJECT	

