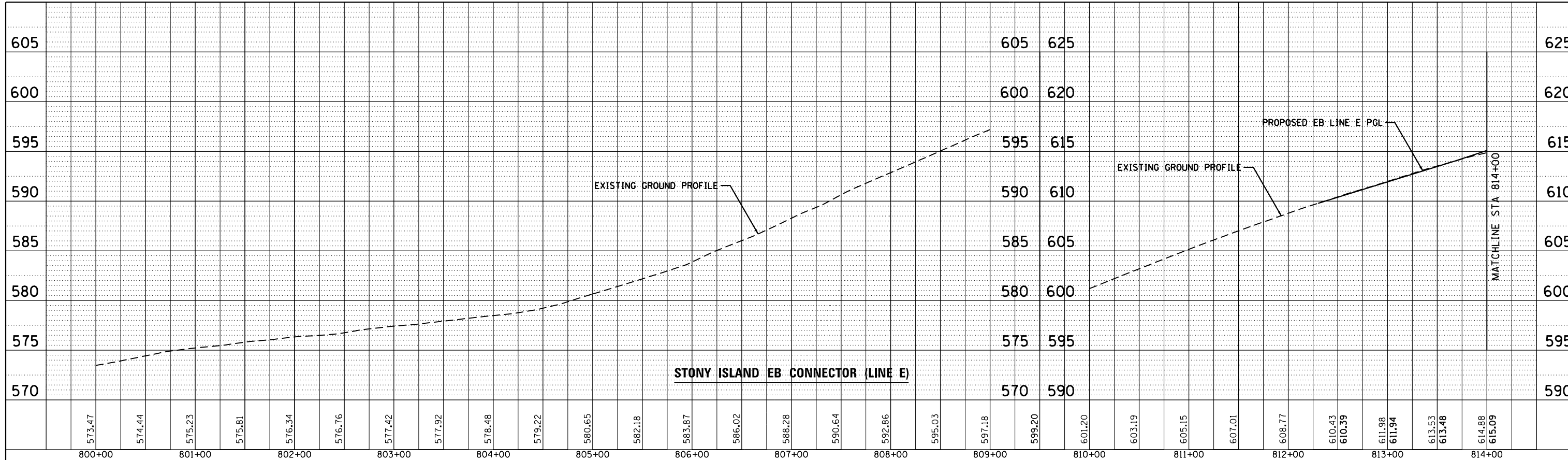
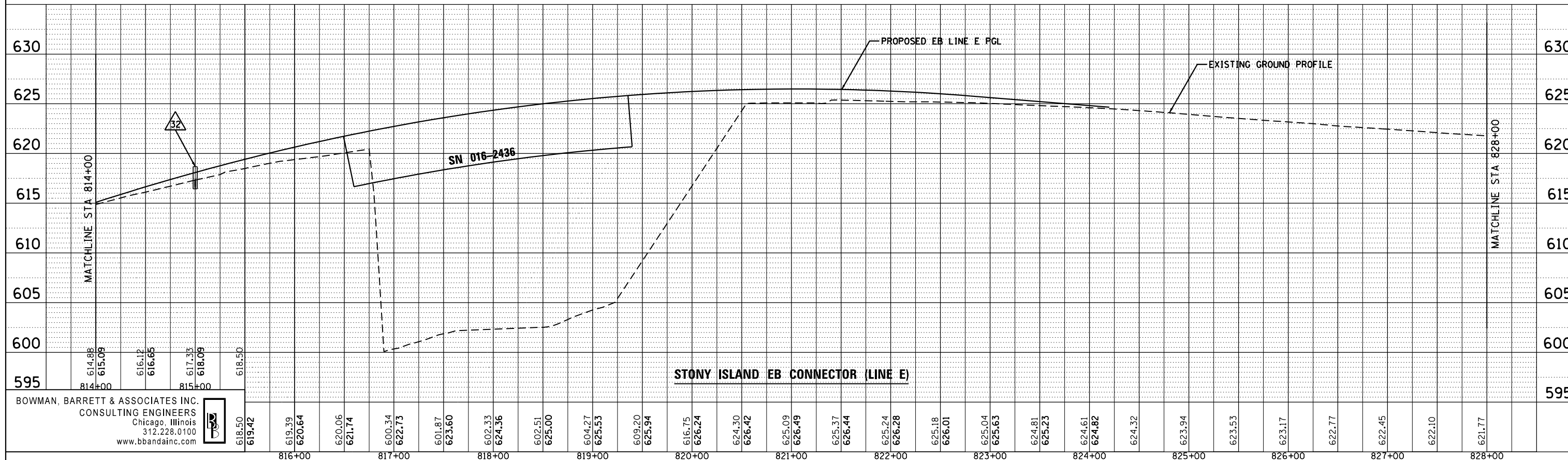


PLAN	SURVEYED	DATE
	PLOTTED	BY
	NOTE BOOK	
	NO.	
	CHECKED	
	FILE NAME	



PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	NO.	
	STRUCTURE	
	NOTATIONS	



BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbainc.com



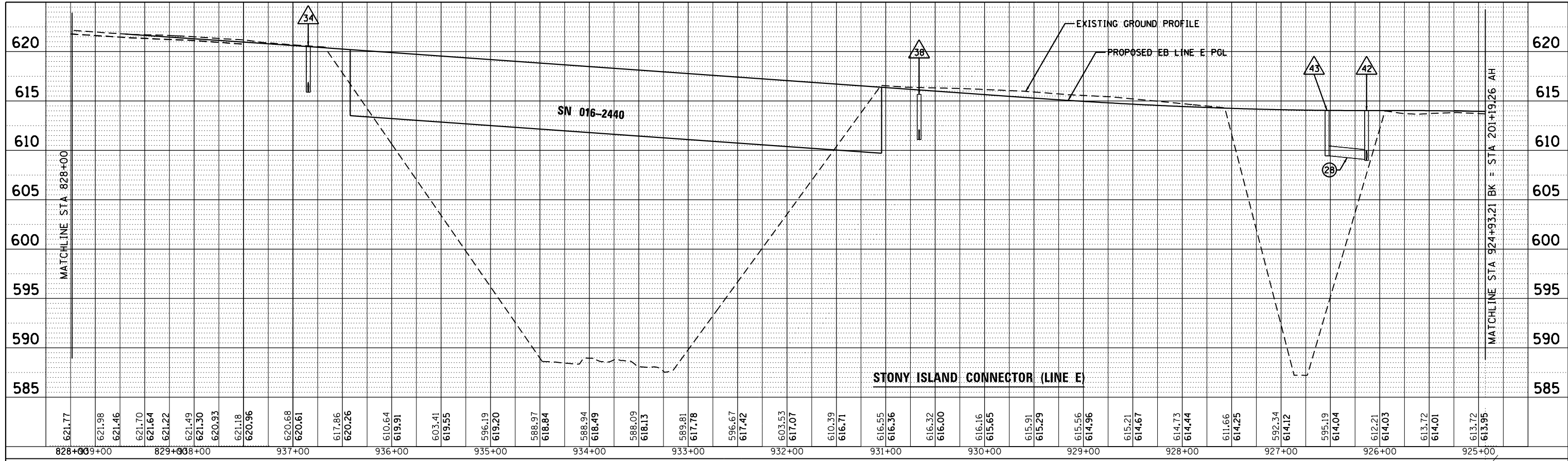
FILE NAME =	USER NAME = default	DESIGNED - JAM	REVISED -
*FILEL*		DRAWN - JAM	REVISED -
	PLOT SCALE = *SCALE*	CHECKED - RGR	REVISED -
	PLOT DATE = 3/29/2013	DATE - 03/29/2013	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

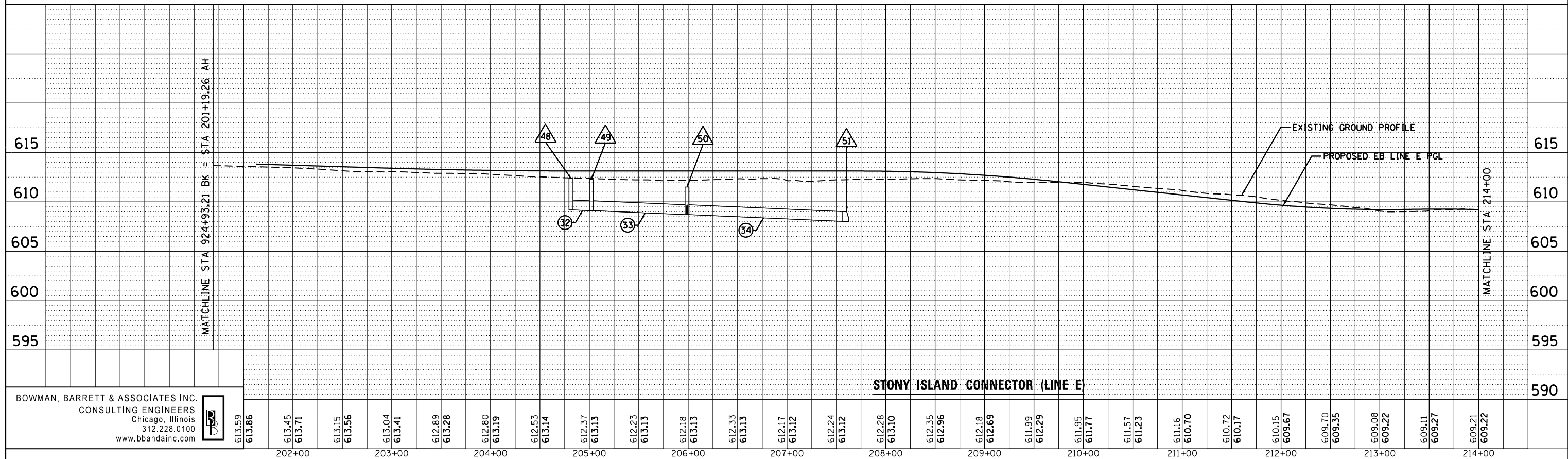
DRAINAGE PROFILE	
I-94 AT STONY ISLAND EB CONNECTOR (LINE E)	
SCALE: H <sub>1</sub> "=50'	SHEET NO. 1 OF 9 SHEETS
STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	201
				CONTRACT NO. 60J12
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	FILED		
NOTE BOOK NO.	CARD FILE NAME		



PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
NOTE BOOK NO.	NOTATION CHORD		



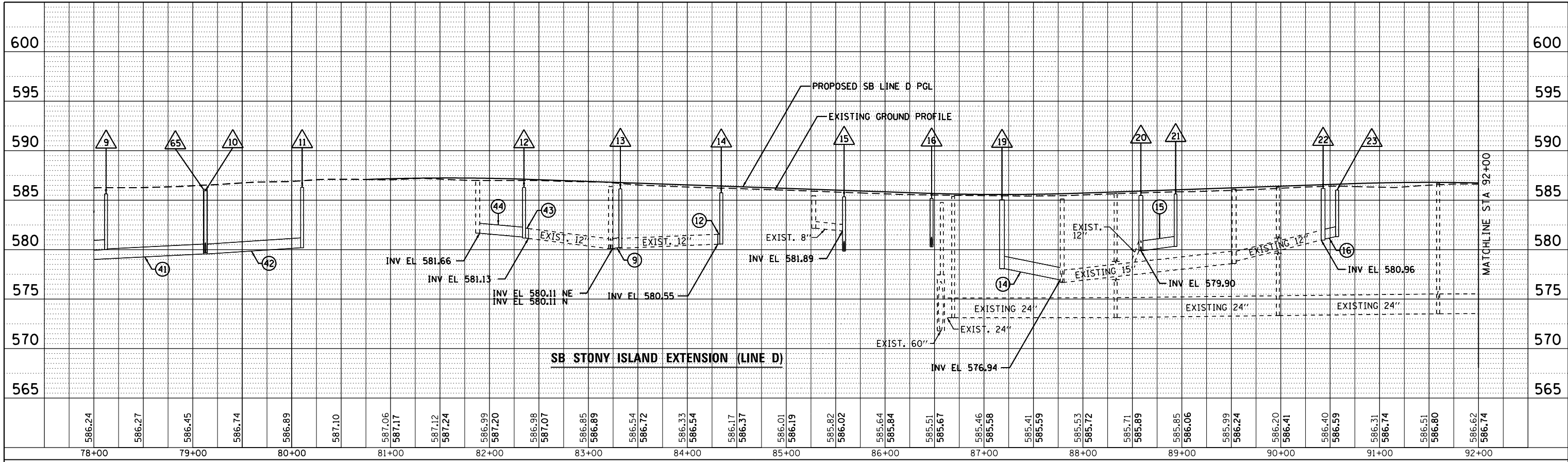
BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbainc.com



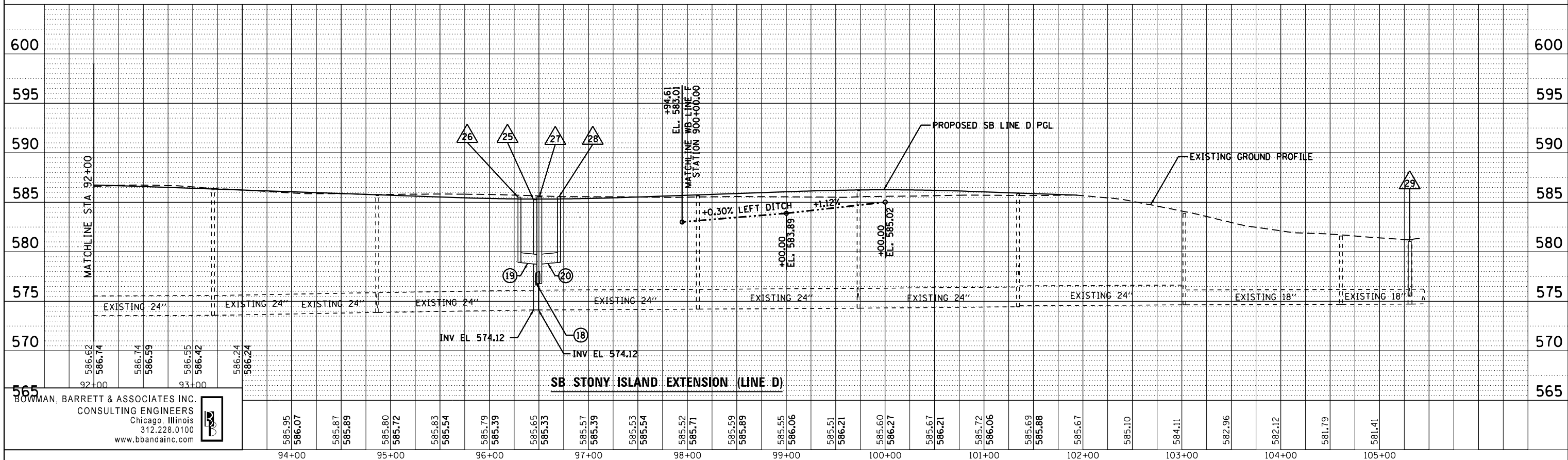
FILE NAME =	USER NAME = default	DESIGNED - JAM	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE PROFILE</b> <b>STONY ISLAND EB CONNECTOR (LINE E)</b>	F.A.I. RTE. 94	SECTION 2012-059-BR	COUNTY COOK	TOTAL SHEETS 631	SHEET NO. 202
*FILEL*	PLOT SCALE = *SCALE*	DRAWN - JAM	REVISED -			SCALE: H=1"=50'	SHEET NO. 2 OF 11 SHEETS	STA. TO STA.	CONTRACT NO. 60J12	
	PLOT DATE = 3/29/2013	CHECKED - RGR	REVISED -						ILLINOIS FED. AID PROJECT	
		DATE - 03/29/2013	REVISED -							



PLAN	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	CARD FILE NAME		



PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	CARD FILE NAME		

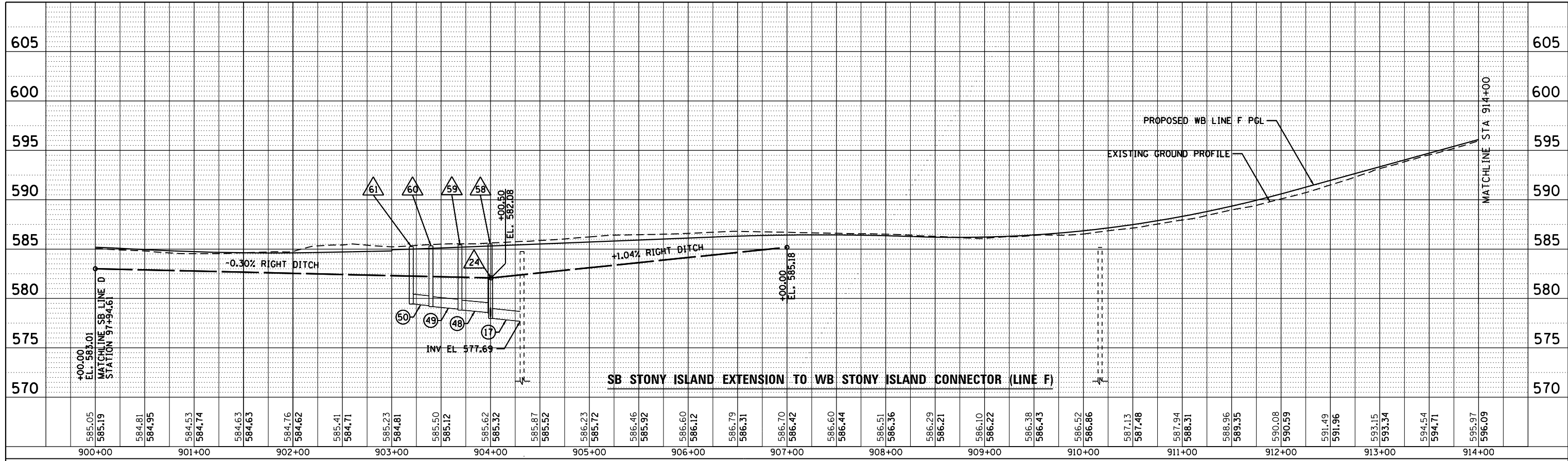


BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbainc.com

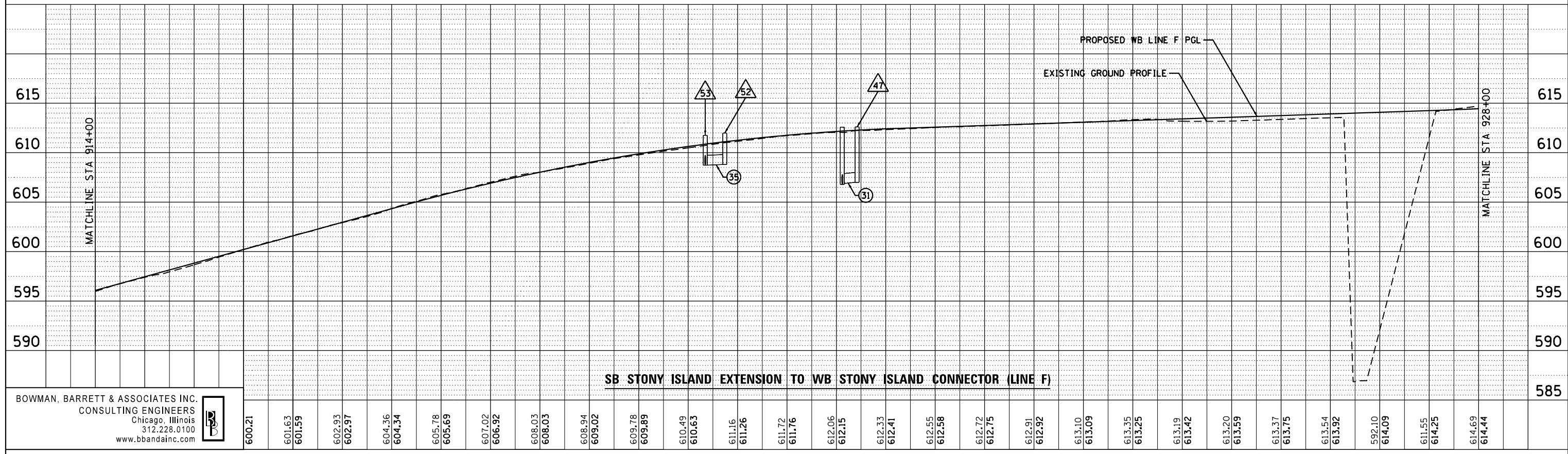


FILE NAME =	USER NAME = default	DESIGNED - JAM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE PROFILES STONY ISLAND EXTENSION (LINE D)</b>		F.A.I. RTE. 94	SECTION 2012-059-BR	COUNTY COOK	TOTAL SHEETS 631	SHEET NO. 204
*FILEL*	PLOT SCALE = *SCALE*	DRAWN - JAM	REVISED -		SCALE: H=1"=50' V=1"=2'	SHEET NO. 4 OF 11 SHEETS	STA. TO STA.	CONTRACT NO. 60J12		ILLINOIS FED. AID PROJECT	
	PLOT DATE = 3/29/2013	CHECKED - RGR	REVISED -								
		DATE - 03/29/2013	REVISED -								

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	CARD FILE NAME		



PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	CARD FILE NAME		



BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbainc.com

600.21	601.63	601.59	602.93	602.97	604.36	604.34	605.78	605.69	607.02	606.92	608.03	608.03	608.94	609.02	609.78	609.89	610.49	610.63	611.16	611.26	611.72	611.76	612.06	612.15	612.33	612.41	612.55	612.58	612.72	612.75	612.91	612.92	613.10	613.09	613.35	613.25	613.19	613.42	613.20	613.59	613.37	613.75	613.54	613.92	592.10	614.09	611.55	614.25	614.69	614.44
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

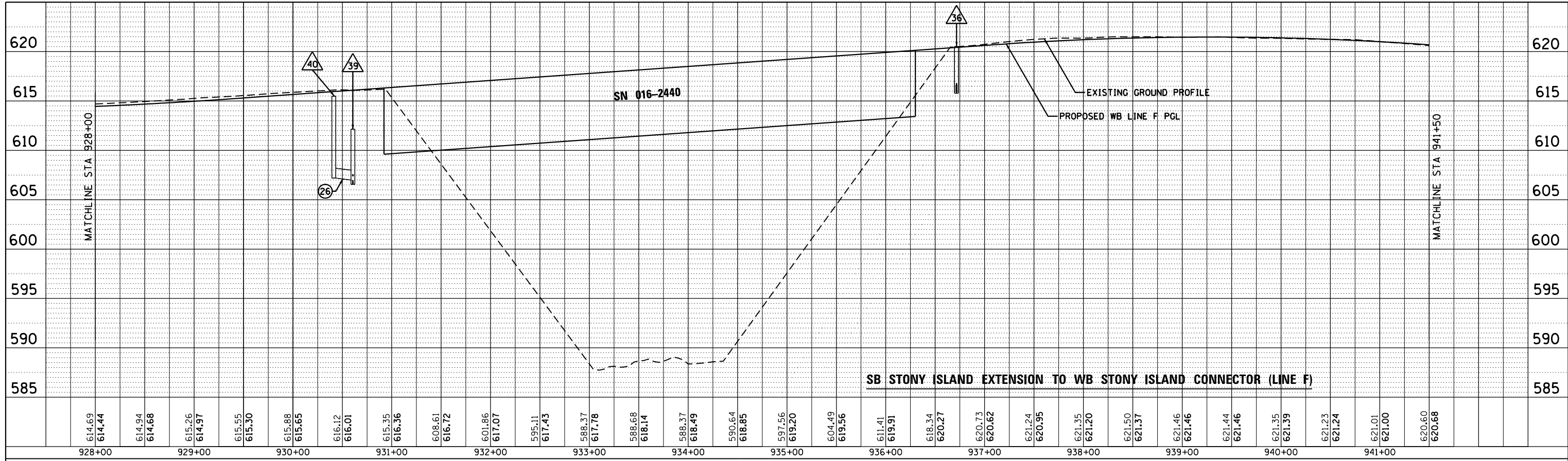
FILE NAME =	USER NAME = default	DESIGNED - JAM	REVISED -
*FILEL*		DRAWN - JAM	REVISED -
	PLOT SCALE = *SCALE*	CHECKED - RGR	REVISED -
	PLOT DATE = 3/29/2013	DATE - 03/29/2013	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

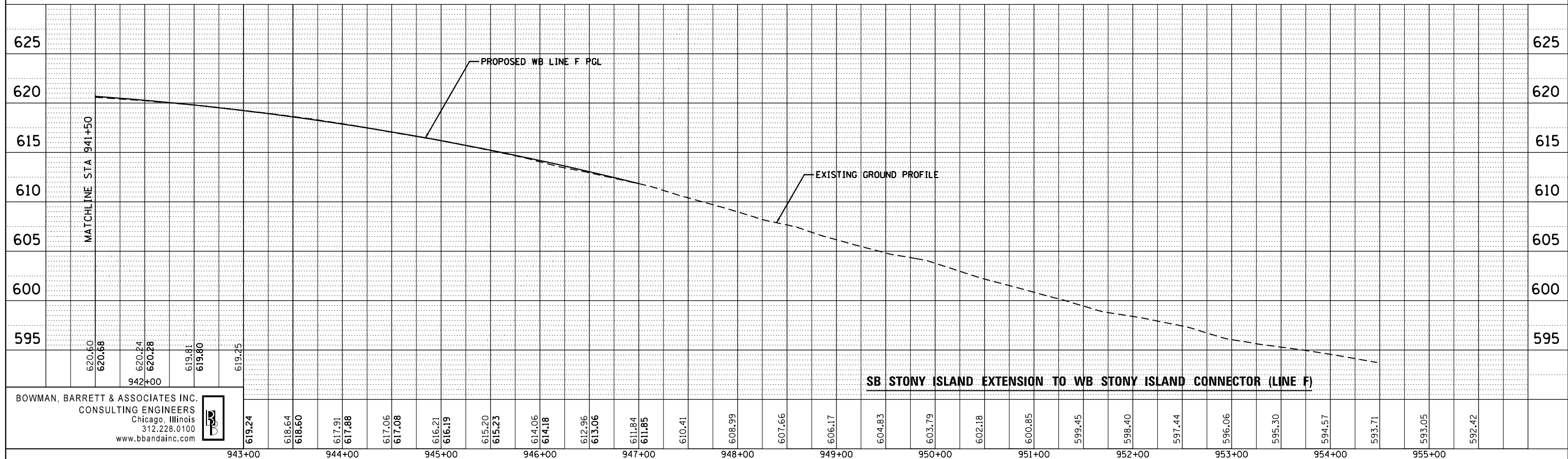
DRAINAGE PROFILE  
STONY ISLAND CONNECTOR (LINE F)  
SCALE: H<sub>1</sub>"=50'  
V<sub>1</sub>"=2'  
SHEET NO. 5 OF 11 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	205
CONTRACT NO. 60J12				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	NOTE BOOK		
	NO.		
	CHECKED		
	FILE NAME		



PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NO.		



BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbainc.com



FILE NAME =  
\*FILEL\*

USER NAME = default  
PLOT SCALE = \*SCALE\*  
PLOT DATE = 3/29/2013

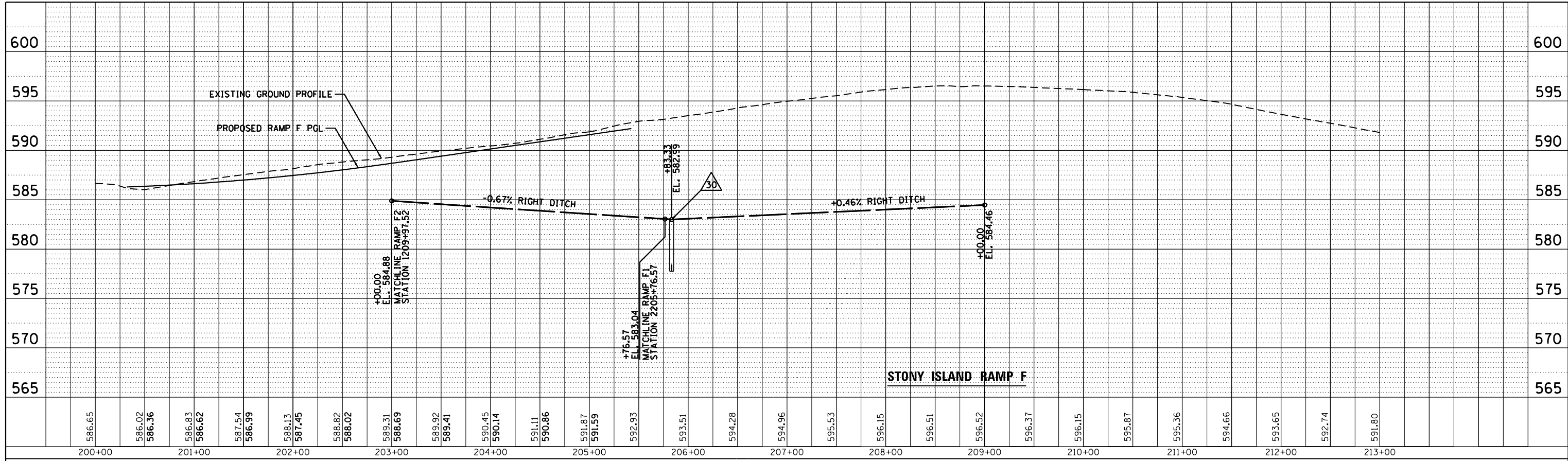
DESIGNED	-	JAM	REVISED	-
DRAWN	-	JAM	REVISED	-
CHECKED	-	RGR	REVISED	-
DATE	-	03/29/2013	REVISED	-

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

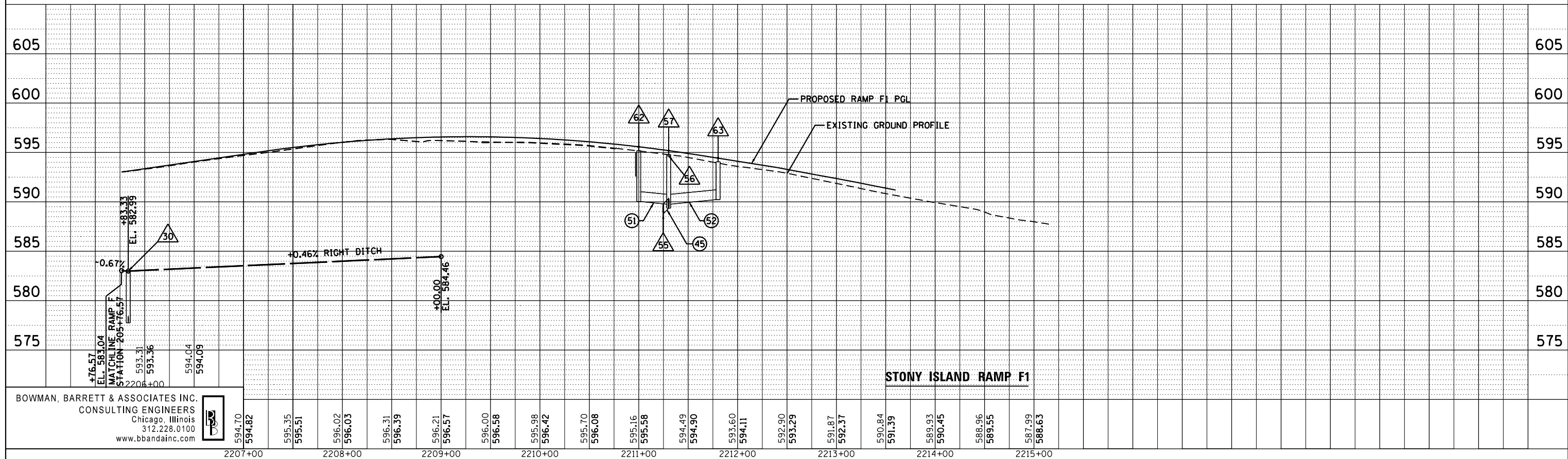
DRAINAGE PROFILE  
STONY ISLAND CONNECTOR (LINE F)  
SCALE: H<sub>1</sub>"=50'  
V<sub>1</sub>"=2'  
SHEET NO. 6 OF 11 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	206
CONTRACT NO. 60J12				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	CHECKED
	NOTE BOOK	NO.
	CARD FILE NAME	



PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK	NO.
	CARD FILE NAME	



BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbainc.com



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DRAINAGE PROFILE  
RAMP F AND RAMP F1

FILE NAME =  
\*FILEL\*

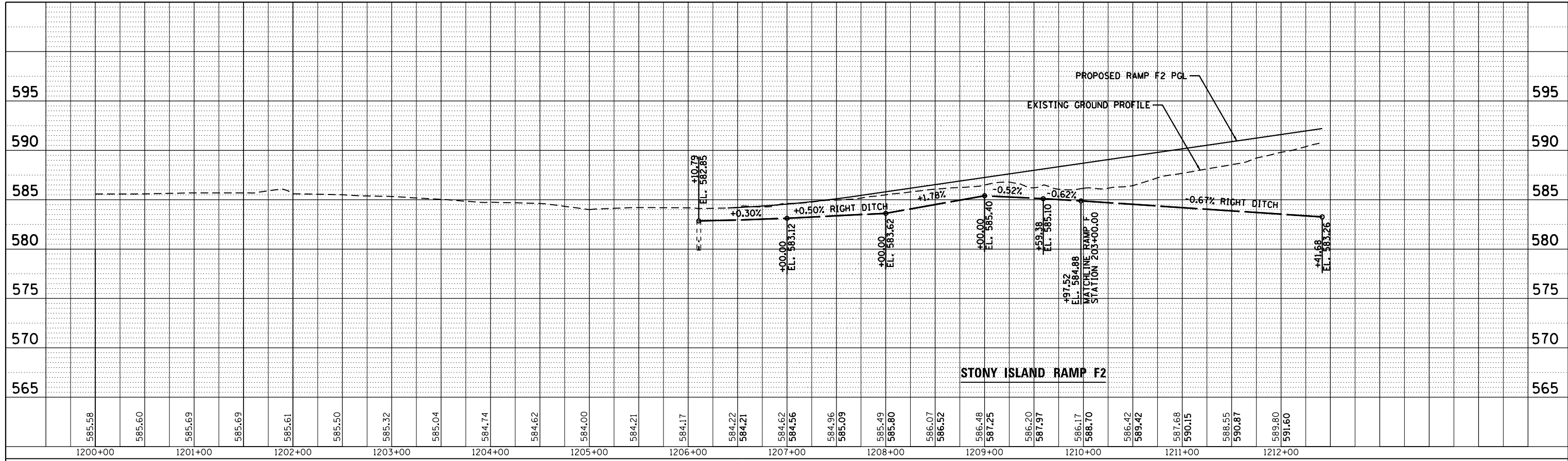
USER NAME = default	DESIGNED - JAM	REVISED -
PLOT SCALE = *SCALE*	DRAWN - JAM	REVISED -
PLOT DATE = 3/29/2013	CHECKED - RGR	REVISED -
	DATE - 03/29/2013	REVISED -

SCALE: H<sub>1</sub>"=50'  
V<sub>1</sub>"=2'  
SHEET NO. 7 OF 9 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	207
CONTRACT NO. 60J12				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	CARD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	CARD FILE NAME		



BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbandainc.com



FILE NAME =	USER NAME = default	DESIGNED - JAM	REVISED -
*FILEL*		DRAWN - JAM	REVISED -
	PLOT SCALE = *SCALE*	CHECKED - RGR	REVISED -
	PLOT DATE = 3/29/2013	DATE - 03/29/2013	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DRAINAGE PROFILE  
RAMP F2

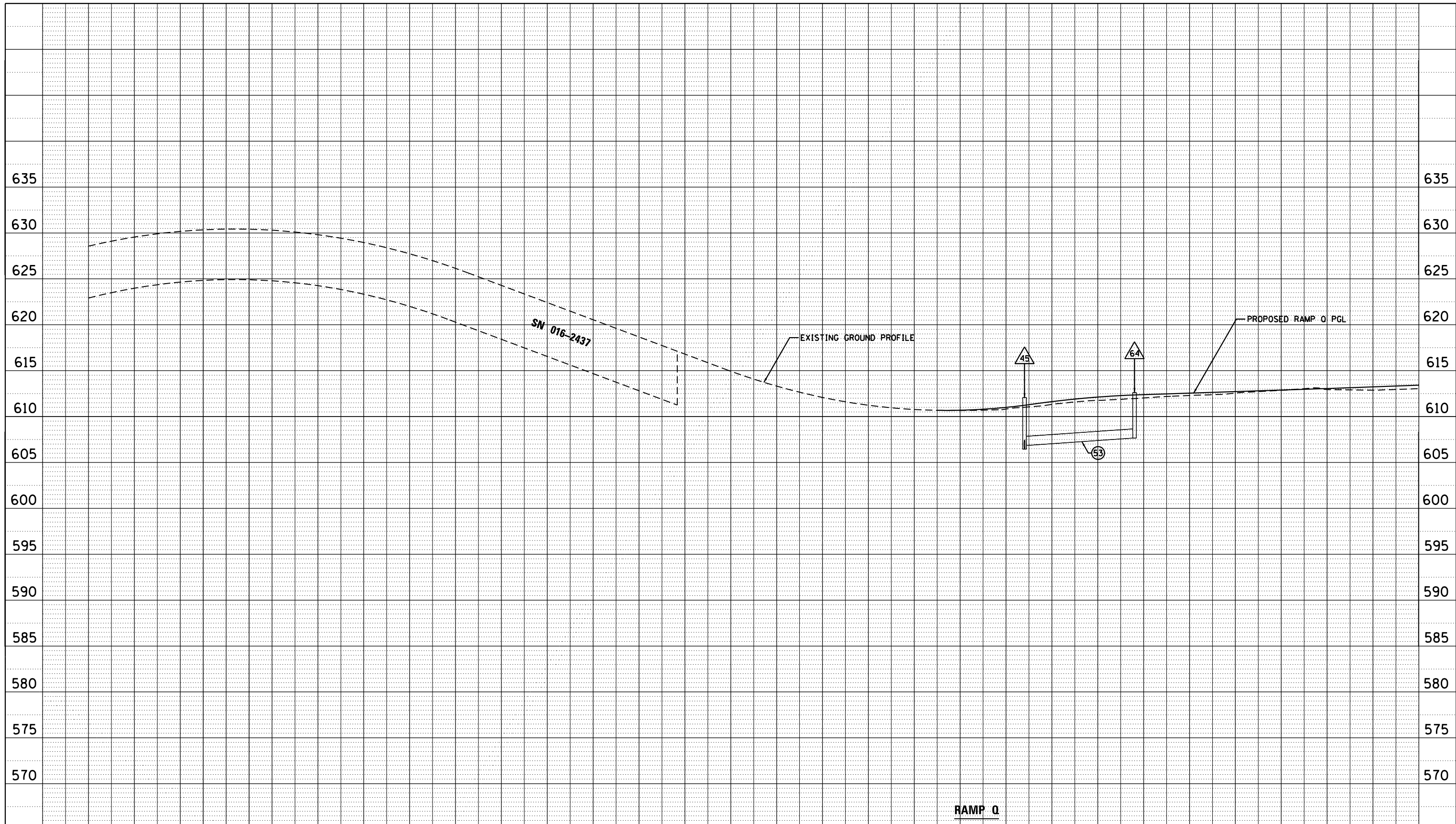
H<sub>1</sub> = 50'  
V<sub>1</sub> = 2'  
SHEET NO. 8 OF 9 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	208
CONTRACT NO. 60J12			ILLINOIS FED. AID PROJECT	



PLAN	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	ALIGNMENT CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NO. _____		
	CARD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	ALIGNMENT CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NO. _____		
	CARD FILE NAME		



628.57	629.55	630.17	630.42	630.30	629.81	628.96	627.73	626.14	624.29	622.42	620.54	618.67	616.80	614.94	613.32	612.08	611.23	610.77	610.69	610.81	611.00	611.32	611.63	611.77	612.12	612.02	612.39	612.29	612.55	612.56	612.72	612.86	612.88	612.94	613.05	612.88	613.23	613.04	613.42
1714+00	1715+00	1716+00	1717+00	1718+00	1719+00	1720+00	1721+00	1722+00	1723+00	1724+00	1725+00	1726+00	1727+00	1728+00																									

BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbandainc.com



FILE NAME =	USER NAME = default	DESIGNED - JAM	REVISED -
*FILEL*		DRAWN - JAM	REVISED -
	PLOT SCALE = *SCALE*	CHECKED - RGR	REVISED -
	PLOT DATE = 3/29/2013	DATE - 03/29/2013	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCALE: H <sub>1</sub> "=50'		SHEET NO. 9 OF 9 SHEETS		STA.	TO STA.
-----------------------------	--	-------------------------	--	------	---------

I-94 AT STONY ISLAND  
RAMP Q

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	209
CONTRACT NO. 60J12			ILLINOIS FED. AID PROJECT	

SCHEDULE OF PROPOSED DRAINAGE STRUCTURES

STRUCTURE NUMBER	LOCATION	STATION	OFFSET	RIM ELEVATION	60270050	60270055	60200105	60200805	60201310	60207605	60218400	60221100	54213657	61000115	INVERT ELEVATIONS
					DR STR T4 W/2 T20F&G (EACH)	DR STR T5 W/2 T22F&G (EACH)	CB TA 4 DIA T1F OL (EACH)	CB TA 4 DIA T8G (EACH)	CB TA 4 DIA T20F&G (EACH)	CB TC T8G (EACH)	MAN TA 4 DIA T1F CL (EACH)	MAN TA 5 DIA T1F CL (EACH)	PRC FLAR END SEC 12 (EACH)	TY E INL BOX 610001 (EACH)	
1	NB STNY LINE C	66+81.70	29.55' LT							1					
2	NB STNY LINE C	69+02.01	27.05' LT							1					
3	NB STNY LINE C	71+00.00	23.73' LT							1					
4	NB STNY LINE C	71+46.98	23.53' LT								1				
5	SB STNY LINE D	74+76.24	24.84' RT		1										
6	SB STNY LINE D	76+08.84	24.80' RT		1										
7	SB STNY LINE D	77+08.49	24.78' RT		1										
8	SB STNY LINE D	77+69.51	24.76' RT			1									
9	SB STNY LINE D	78+12.12	24.75' RT		1										
10	SB STNY LINE D	79+12.59	24.72' RT		1										
11	SB STNY LINE D	80+10.46	24.70' RT		1										
12	SB STNY LINE D	82+34.72	24.64' RT		1										
13	SB STNY LINE D	83+32.13	24.61' RT		1										
14	SB STNY LINE D	84+34.17	24.58' RT		1										
15	SB STNY LINE D	85+58.30	24.55' RT		1										
16	SB STNY LINE D	86+46.80	24.36' RT		1										
17	EB STNY LINE E	217+93.62	53.28' LT										1		
18	EB STNY LINE E	217+93.62	24.30' LT											1	
19	SB STNY LINE D	87+17.98	23.59' RT			1									
20	SB STNY LINE D	88+58.46	17.29' RT								1				
21	SB STNY LINE D	88+93.53	21.85' RT		1										
22	SB STNY LINE D	90+42.67	15.82' RT								1				
23	SB STNY LINE D	90+56.82	21.19' RT		1										
24	WB STNY LINE F	904+00.50	21.00' RT					1							
25	SB STNY LINE D	96+46.83	3.89' RT									1			
26	SB STNY LINE D	96+30.17	18.00' RT		1										
27	SB STNY LINE D	96+50.17	18.00' RT			1									
28	SB STNY LINE D	96+70.17	18.00' RT		1										
29	SB STNY LINE D	105+30.21	18.57' RT		1										
30	RAMP F	205+81.48	77.61' RT					1							
31	EB STNY LINE E	815+73.41	40.32' LT										1		
32	EB STNY LINE E	815+73.41	29.42' LT											1	
33	EB STNY LINE E	936+84.50	39.02' LT										1		
34	EB STNY LINE E	936+84.50	18.48' RT						1						
35	WB STNY LINE F	936+71.59	40.84' RT										1		
36	WB STNY LINE F	936+71.59	18.48' LT						1						
37	EB STNY LINE E	930+66.28	39.83' LT										1		
38	EB STNY LINE E	930+66.28	21.41' LT						1						
39	WB STNY LINE F	930+60.65	33.66' RT								1				
40	WB STNY LINE F	930+41.38	21.42' RT						1						
41	EB STNY LINE E	926+13.40	39.66' LT										1		
42	EB STNY LINE E	926+13.40	18.48' RT				1								
43	EB STNY LINE E	926+53.40	18.48' RT						1						
44	RAMP O	1724+20.41	33.06' RT										1		
45	WB STNY LINE F	921+56.42	7.10' RT				1								
46	WB STNY LINE F	921+56.00	22.50' LT						1						
47	WB STNY LINE F	921+71.00	22.48' LT						1						
48	EB STNY LINE E	204+81.50	22.48' LT						1						
49	EB STNY LINE E	205+02.00	24.01' LT						1						
50	EB STNY LINE E	205+98.86	32.61' LT								1				
51	EB STNY LINE E	207+62.51	54.82' LT										1		
52	WB STNY LINE F	920+37.00	19.71' LT						1						
53	WB STNY LINE F	920+17.30	19.04' RT						1						
54	SB STNY LINE D	77+69.54	16.66' RT								1				
55	RAMP O	1702+46.78	23.27' RT										1		
56	RAMP F	2211+30.29	3.00' RT									1			
57	RAMP F	2211+30.29	20.75' LT				1								
58	SB STNY LINE D	93+94.47	30.09' LT				1								
59	SB STNY LINE D	94+25.00	29.21' LT				1								
60	SB STNY LINE D	94+54.32	28.34' LT				1								
61	SB STNY LINE D	94+74.27	27.66' LT				1								
62	NB STNY LINE C	71+09.58	19.94' RT				1								
63	NB STNY LINE C	71+89.25	15.44' RT				1								
64	WB STNY LINE F	922+78.06	3.98' RT				1								
65	SB STNY LINE D	79+12.61	16.63' RT				1				1				
					16	3	10	5	11	1	7	1	9	2	

NOTES:

- STATION, OFFSET AND RIM ELEVATION FOR MANHOLES AND CATCH BASINS ARE GIVEN AT THE CENTER OF THE CASTING.
- STATION, OFFSET AND INVERT ELEVATION FOR FLARED END SECTIONS ARE GIVEN AT THE DOWNSTREAM END OF THE SECTION WHERE THE FLOW DAYLIGHTS.
- THE CONTRACTOR SHALL FIELD VERIFY EXISTING INVERT CONNECTIONS, AND INFORM THE ENGINEER OF ANY DISCREPANCIES.

BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbandainc.com



• USE STANDARD 602601-02 PRC FLAT SLAB TOP

FILE NAME =	USER NAME = default	DESIGNED - JAM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE SCHEDULES</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN - JAM	REVISED -			94	2012-059-BR	COOK	631	210	
	PLOT SCALE = #SCALE#	CHECKED - RGR	REVISED -			CONTRACT NO. 60J12					
	PLOT DATE = 3/29/2013	DATE - 03/29/2013	REVISED -			SCALE:	SHEET NO. 1 OF 4 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

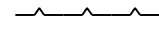
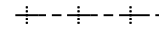
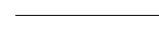
S:\1072-05-CADD\0160J12-Sheets\0160J12-shr-schedule.dwg







**LEGEND:**

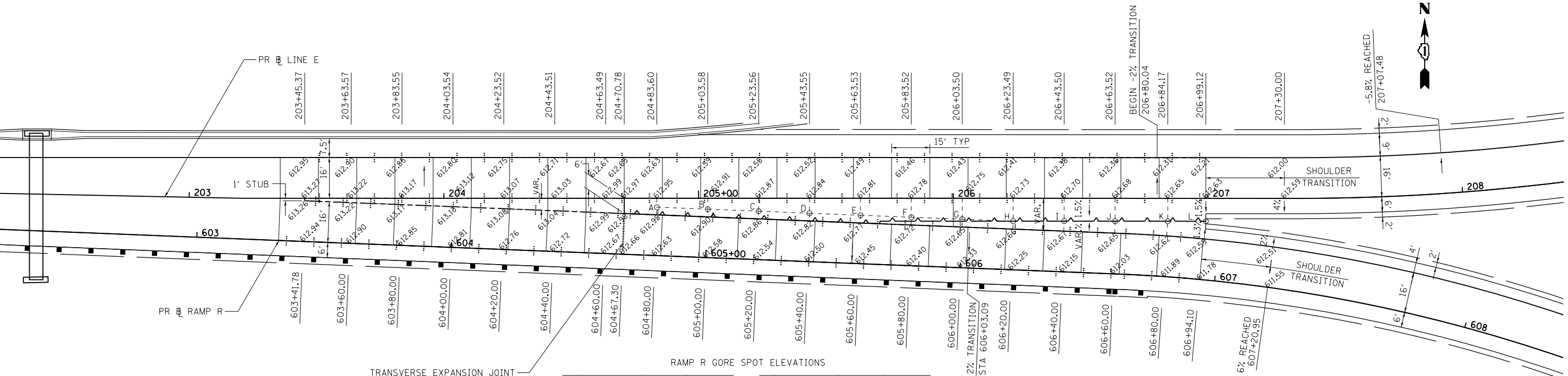
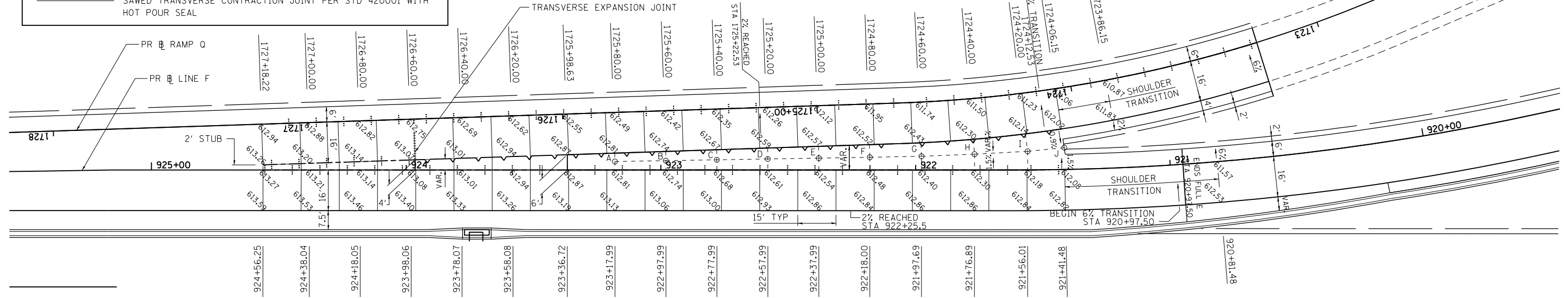
-  LONGITUDINAL KEYED CONSTRUCTION JOINT PER STD 420001 (SHALL BE INCLUDED IN THE COST OF THE PAY ITEM PORTLAND CEMENT CONCRETE PAVEMENT, (JOINTED) OF THE SPECIFIED THICKNESS)
-  LONGITUDINAL SAWED OR CONSTRUCTION JOINT PER STD 420001 (SHALL BE INCLUDED IN THE COST OF THE PAY ITEM PORTLAND CEMENT CONCRETE PAVEMENT, (JOINTED) OF THE SPECIFIED THICKNESS)
-  SAWED TRANSVERSE CONTRACTION JOINT PER STD 420001 WITH HOT POUR SEAL

**NOTES:**

1. ELEVATIONS ARE GIVEN EVERY 20' ON EVEN STATIONS UNLESS OTHERWISE NOTED.
2. SEE IDOT STD 420001, 420201 AND 420301 FOR ADDITIONAL INFORMATION ON RAMP AND PAVEMENT JOINTING.

**RAMP Q GORE SPOT ELEVATIONS**

PT	STATION	OFFSET	ELEV.	PT	STATION	OFFSET	ELEV.
A	1725+80.06	19.3' LT	612.76	F	1724+80.00	21.0' LT	612.41
B	1725+60.06	19.6' LT	612.69	G	1724+60.00	21.3' LT	612.32
C	1725+40.07	20.0' LT	612.62	H	1724+40.00	21.9' LT	612.21
D	1725+20.07	20.3' LT	612.55	I	1724+20.00	22.9' LT	612.07
E	1725+00.00	20.6' LT	612.47	J	1724+06.15	23.4' LT	611.95



**RAMP R GORE SPOT ELEVATIONS**

PT	STATION	OFFSET	ELEV.	PT	STATION	OFFSET	ELEV.
A	604+80.00	19.0' LT	612.90	G	606+00.00	19.1' LT	612.63
B	605+00.00	19.0' LT	612.85	H	606+20.00	19.1' LT	612.60
C	605+20.00	19.0' LT	612.79	I	606+40.00	19.9' LT	612.57
D	605+40.00	19.0' LT	612.75	J	606+60.00	20.7' LT	612.55
E	605+60.00	19.1' LT	612.71	K	606+80.00	21.8' LT	612.52
F	605+80.00	19.1' LT	612.67	L	606+94.10	22.9' LT	612.50

**BOWMAN, BARRETT & ASSOCIATES INC.**  
 CONSULTING ENGINEERS  
 Chicago, Illinois  
 312.228.0100  
 www.bbandainc.com

FILE NAME =	USER NAME = default	DESIGNED -	REVISED -
*FILE#		DRAWN - JAM	REVISED -
		CHECKED - RGR	REVISED -
		DATE - 03/29/2013	REVISED -


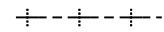

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

SCALE: 1"=20'	SHEET NO. OF SHEETS	STA. TO STA.
<b>GORE DETAILS</b>		

F.A.I. RTE. 94	SECTION 2012-059-BR	COUNTY COOK	TOTAL SHEETS 631	SHEET NO. 214
CONTRACT NO. 60J12				
ILLINOIS FED. AID PROJECT				

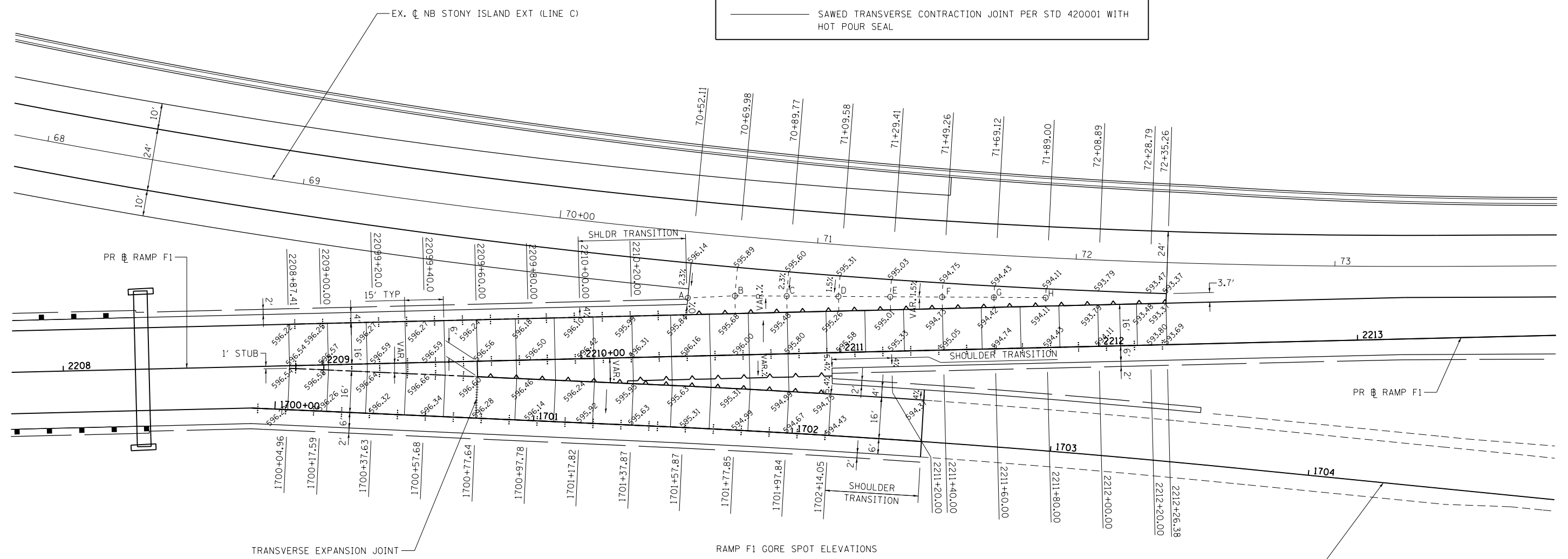
S:\1072-05-CADD\0168J12 Sheets\0168J12-shr-gore details.dwg

**LEGEND:**

-  LONGITUDINAL KEYED CONSTRUCTION JOINT PER STD 420001 (SHALL BE INCLUDED IN THE COST OF THE PAY ITEM PORTLAND CEMENT CONCRETE PAVEMENT, (JOINTED) OF THE SPECIFIED THICKNESS)
-  LONGITUDINAL SAWED OR CONSTRUCTION JOINT PER STD 420001 (SHALL BE INCLUDED IN THE COST OF THE PAY ITEM PORTLAND CEMENT CONCRETE PAVEMENT, (JOINTED) OF THE SPECIFIED THICKNESS)
-  SAWED TRANSVERSE CONTRACTION JOINT PER STD 420001 WITH HOT POUR SEAL

**NOTES:**

1. ELEVATIONS ARE GIVEN EVERY 20' ON EVEN STATIONS UNLESS OTHERWISE NOTED.
2. SEE IDOT STD 420001, 420201 AND 420301 FOR ADDITIONAL INFORMATION ON RAMP AND PAVEMENT JOINTING.



TRANSVERSE EXPANSION JOINT

RAMP F1 GORE SPOT ELEVATIONS

PT	STATION	OFFSET	ELEV.
A	2010+41.81	22.5' LT	595.83
B	2210+60.00	22.9' LT	595.64
C	2210+80.00	22.3' LT	595.38
D	2211+00.00	21.7' LT	595.19
E	2211+20.00	21.1' LT	594.93
F	2211+40.00	20.5' LT	594.67
G	2211+60.00	19.9' LT	594.36
H	2211+80.00	19.3' LT	594.06

BOWMAN, BARRETT & ASSOCIATES INC.  
 CONSULTING ENGINEERS  
 Chicago, Illinois  
 312.228.0100  
 www.bbainc.com



FILE NAME =	USER NAME = default	DESIGNED -	REVISED -
*FILEL\$		DRAWN - JAM	REVISED -
	PLOT SCALE = *SCALE*	CHECKED - RGR	REVISED -
	PLOT DATE = 3/29/2013	DATE - 03/29/2013	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**GORE DETAILS**

SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	215
CONTRACT NO. 60J12			ILLINOIS FED. AID PROJECT	

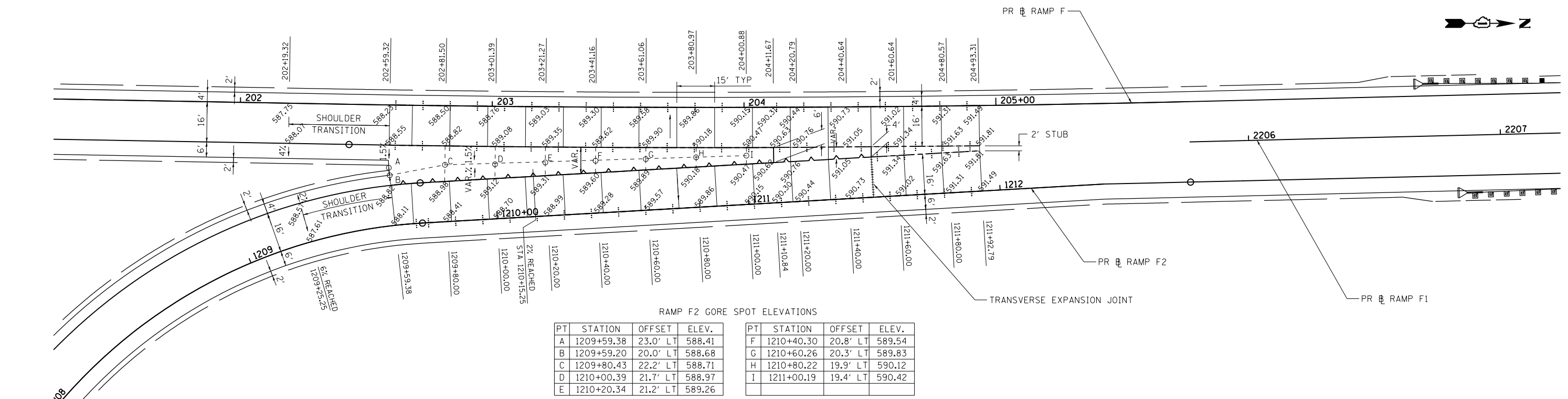
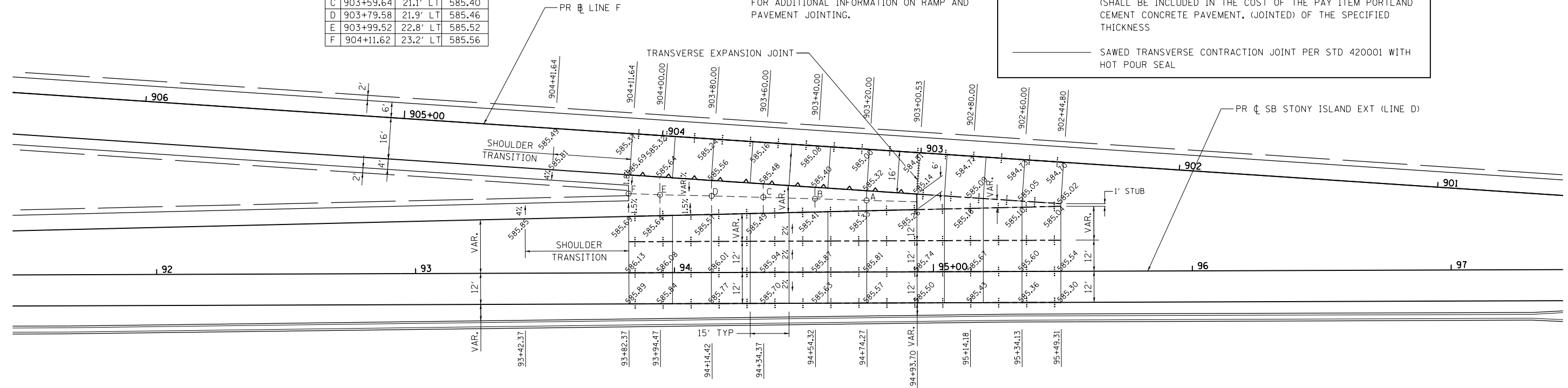
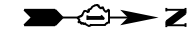
S:\1072-05-CADD\0160J12-Sheets\0160J12-shr-gore-details-82.dgn

PT	STATION	OFFSET	ELEV.
A	903+19.74	19.7' LT	585.27
B	903+39.69	20.4' LT	585.33
C	903+59.64	21.1' LT	585.40
D	903+79.58	21.9' LT	585.46
E	903+99.52	22.8' LT	585.52
F	904+11.62	23.2' LT	585.56

- NOTES:
- ELEVATIONS ARE GIVEN EVERY 20' ON EVEN STATIONS UNLESS OTHERWISE NOTED.
  - SEE IDOT STD 420001, 420201 AND 420301 FOR ADDITIONAL INFORMATION ON RAMP AND PAVEMENT JOINTING.

**LEGEND:**

- LONGITUDINAL KEYED CONSTRUCTION JOINT PER STD 420001 (SHALL BE INCLUDED IN THE COST OF THE PAY ITEM PORTLAND CEMENT CONCRETE PAVEMENT, (JOINTED) OF THE SPECIFIED THICKNESS)
- LONGITUDINAL SAWED OR CONSTRUCTION JOINT PER STD 420001 (SHALL BE INCLUDED IN THE COST OF THE PAY ITEM PORTLAND CEMENT CONCRETE PAVEMENT, (JOINTED) OF THE SPECIFIED THICKNESS)
- SAWED TRANSVERSE CONTRACTION JOINT PER STD 420001 WITH HOT POUR SEAL



PT	STATION	OFFSET	ELEV.
A	1209+59.38	23.0' LT	588.41
B	1209+59.20	20.0' LT	588.68
C	1209+80.43	22.2' LT	588.71
D	1210+00.39	21.7' LT	588.97
E	1210+20.34	21.2' LT	589.26

PT	STATION	OFFSET	ELEV.
F	1210+40.30	20.8' LT	589.54
G	1210+60.26	20.3' LT	589.83
H	1210+80.22	19.9' LT	590.12
I	1211+00.19	19.4' LT	590.42

BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbainc.com



FILE NAME =	USER NAME = default	DESIGNED -	REVISED -
#FILE#		DRAWN - JAM	REVISED -
	PLOT SCALE = #SCALE#	CHECKED - RGR	REVISED -
	PLOT DATE = 3/29/2013	DATE - 03/29/2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

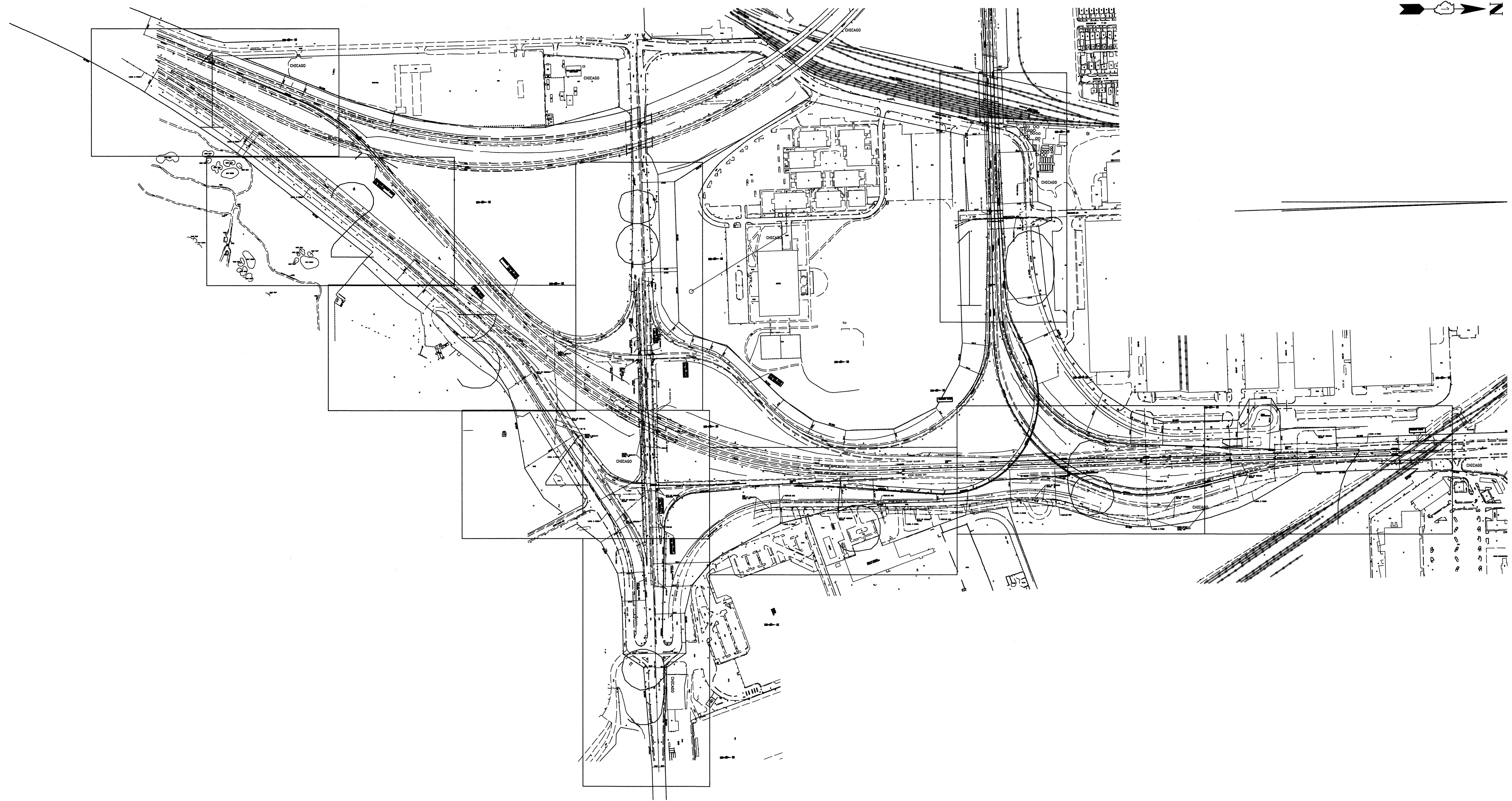
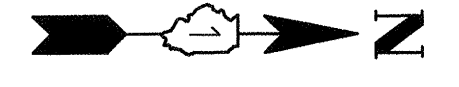
**GORE DETAILS**

SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	216
CONTRACT NO. 60J12				
ILLINOIS FED. AID PROJECT				

S:\1072-05-CADD\1068\12-Sheets\1068\12-shr-gore details.dwg



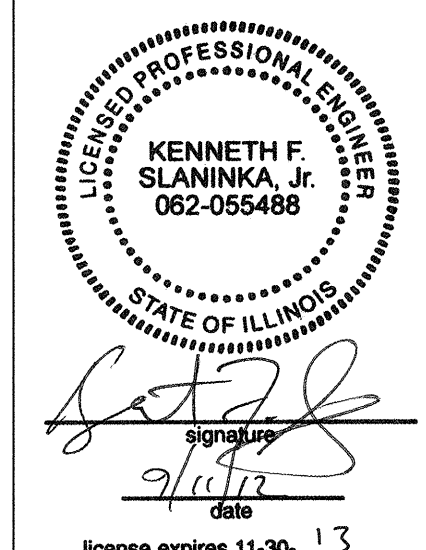


— A — A —	AERIAL UTILITY
— UNKNOWN —	UNKNOWN
— CTV — CTV —	CABLE TV
— T — T —	TELEPHONE
— G — G —	GAS
— E — E —	ELECTRIC
— W — W —	WATER
— FO — FO —	FIBER OPTIC
— S — S —	SEWER
⊙	TBE TEST HOLE

UTILITY OWNERS	
AT&T = TELEPHONE	
CITY OF CHICAGO = ELECTRIC	
CITY OF CHICAGO = WATER	
COM-ED = ELECTRIC	
LEVEL 3 = FIBER OPTIC	
PEOPLES = GAS	

Utilities shown on these plans as depicted in the legend have been investigated by Cardno TBE in accordance with SUE Industry Standards. All other information shown has been provided to Cardno TBE by others. Cardno TBE's SUE field investigation was performed from 1/04/12 through 3/02/12. TBE's QL "A" SUE field investigation was performed 8/24/12 through 8/28/12. Changes to utilities after 3/02/12 may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan if deemed advisable prior to final design and construction.

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



TBE Job No. IL09510463, 507  
SUE Plan Pages: Cover

Utility Quality Level "A" : Visually Verified Test Hole  
 Utility Quality Level "B" : Designating/Test Holes not Visually Verified  
 Utility Quality Level "C" : Research with Survey  
 Utility Quality Level "D" : Records Research

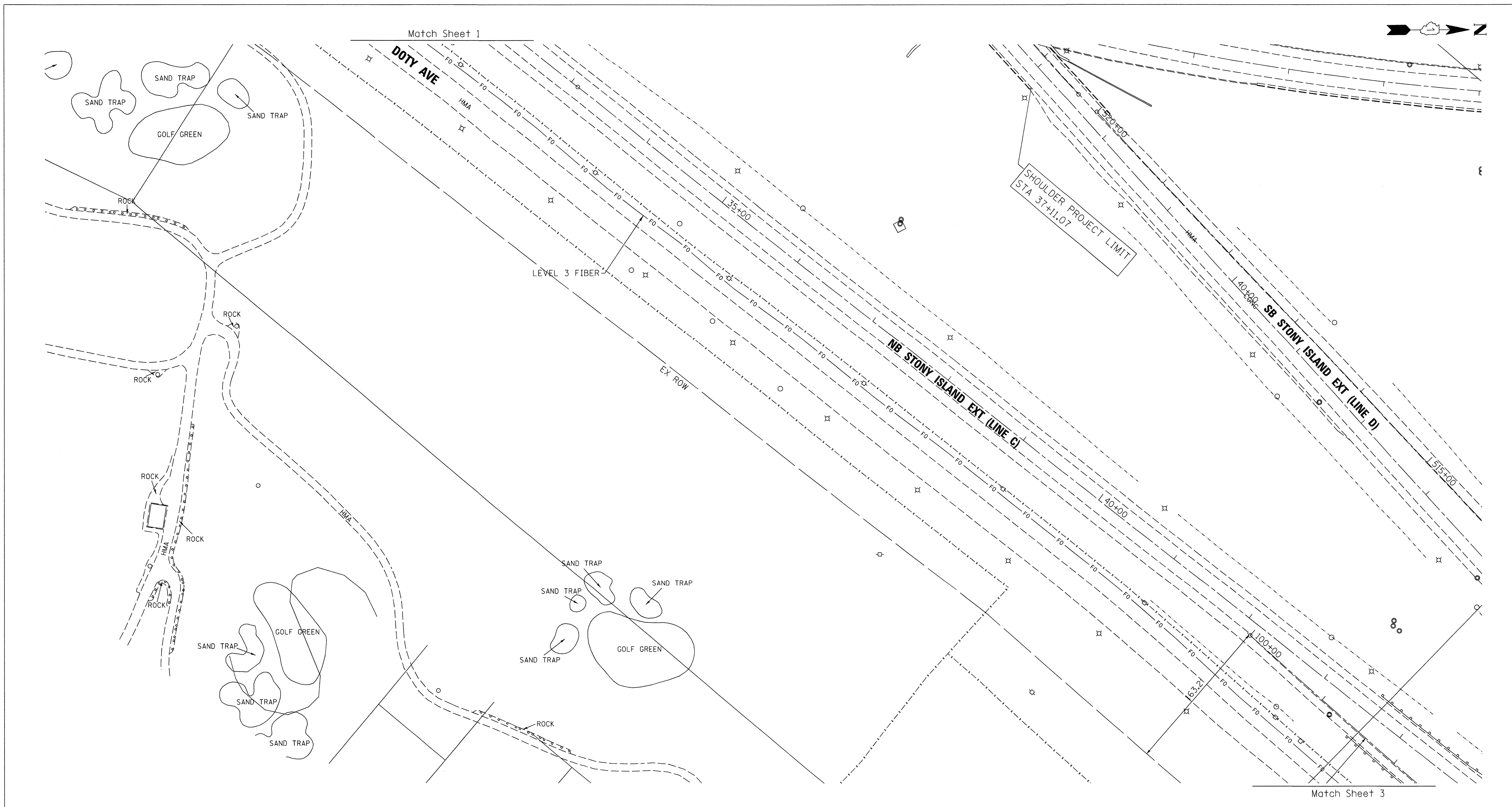
DESIGNED	EG	REVISED	9/07/12 ADDED TH 1-2
DRAWN	KLC	REVISED	
CHECKED	KFS	REVISED	
DATE	3/06/12	REVISED	

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

**I-94 at Stony Island**  
**Chicago, IL**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2012-059-BR	COOK	631	217
Contract No. 60J12				
FED. ROAD DIST. NO. [ILLINOIS] IDOT Project No.				



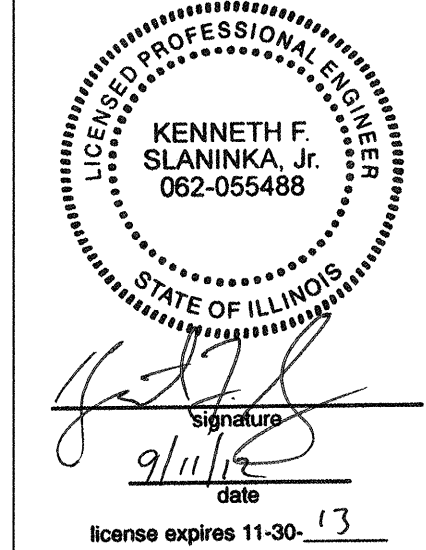


— A —	— A —	AERIAL UTILITY
- - - - -	- - - - -	UNKNOWN
— CTV —	— CTV —	CABLE TV
— T —	— T —	TELEPHONE
— G —	— G —	GAS
— E —	— E —	ELECTRIC
— W —	— W —	WATER
— FO —	— FO —	FIBER OPTIC
— ) —	— ) —	SEWER
+		TBE TEST HOLE

UTILITY OWNERS	
AT&T = TELEPHONE	
CITY OF CHICAGO = ELECTRIC	
CITY OF CHICAGO = WATER	
COM-ED = ELECTRIC	
LEVEL 3 = FIBER OPTIC	
PEOPLES = GAS	

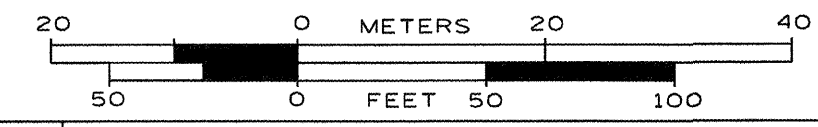
Utilities shown on these plans as depicted in the legend have been investigated by Cardno TBE in accordance with SUE Industry Standards. All other information shown has been provided to Cardno TBE by others. Cardno TBE's SUE field investigation was performed from 1/04/12 through 3/02/12. Changes to utilities after 3/02/12 may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan if deemed advisable prior to final design and construction.

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



**Cardno TBE**  
CIVIL ENGINEERING \* TRANSPORTATION \* ENVIRONMENTAL \* PLANNING \* UTILITY ENGINEERING/LOCATING

TBE Job No. IL09510463  
SUE Plan Page: 2 of 10



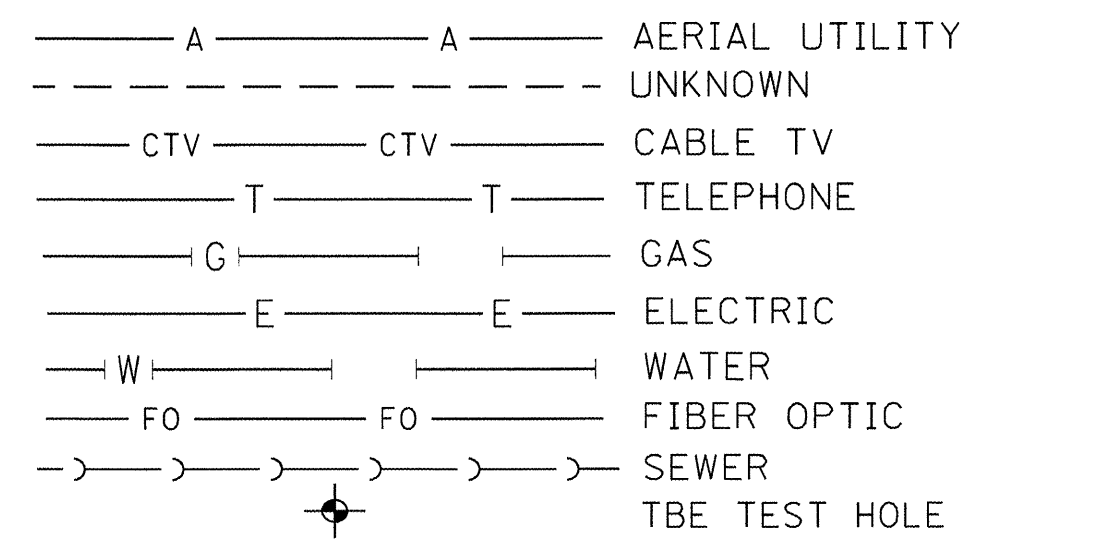
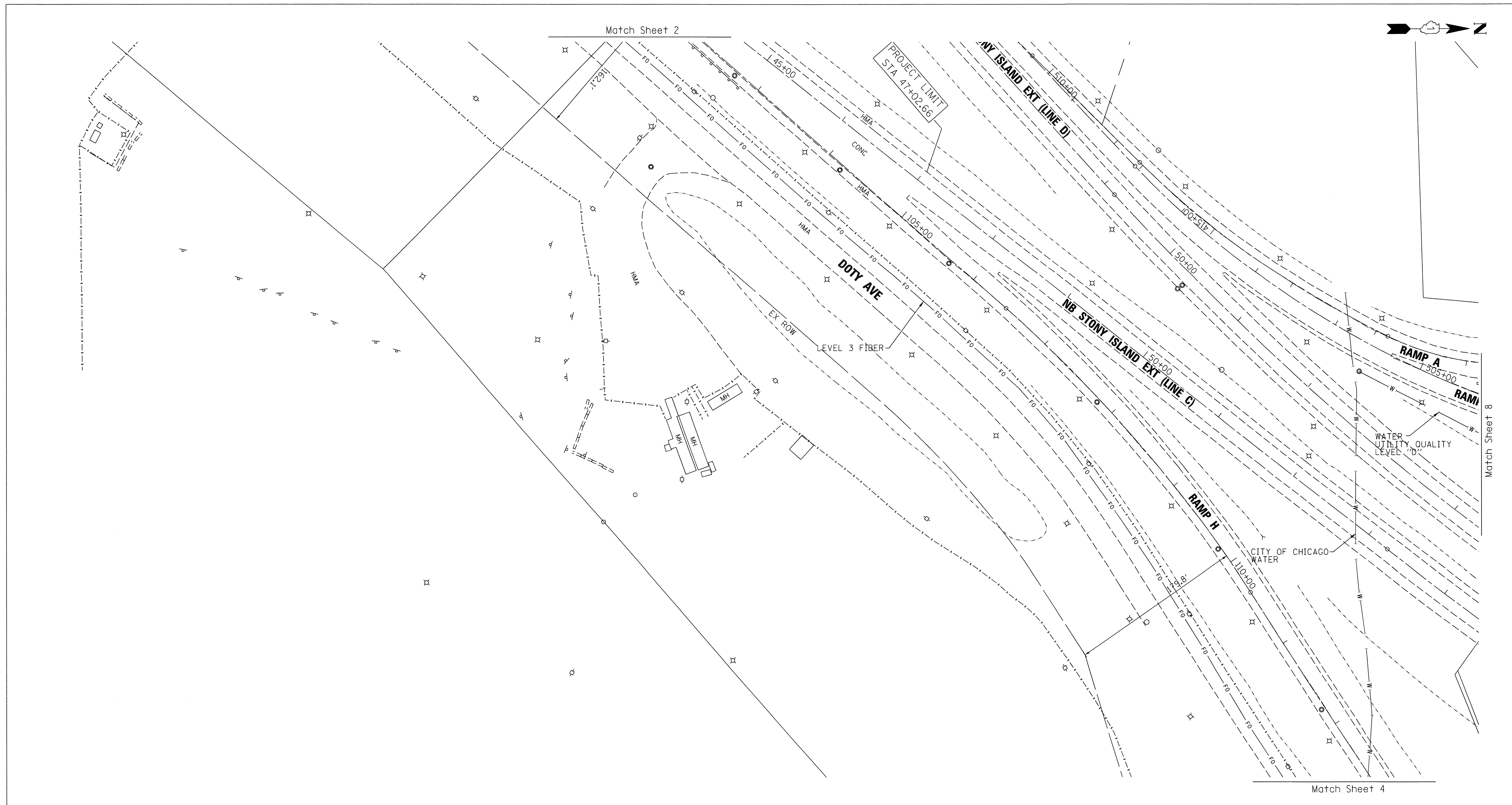
Utility Quality Level "A" : Visually Verified Test Hole  
 Utility Quality Level "B" : Designating/Test Holes not Visually Verified  
 Utility Quality Level "C" : Research with Survey  
 Utility Quality Level "D" : Records Research

DESIGNED	EG	REVISED	
DRAWN	KLC	REVISED	
CHECKED	KFS	REVISED	
DATE	3/06/12	REVISED	

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

**I-94 at Stony Island**  
**Chicago, IL**

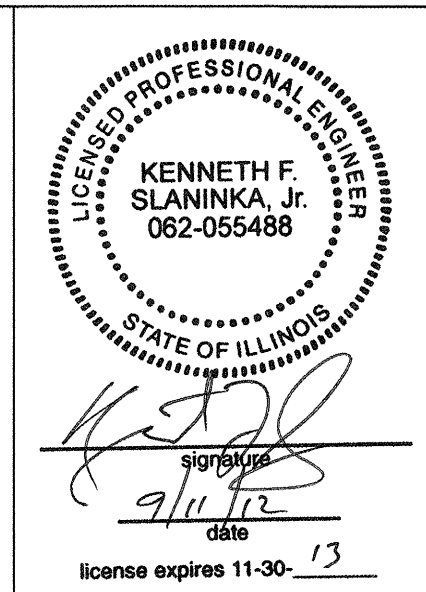
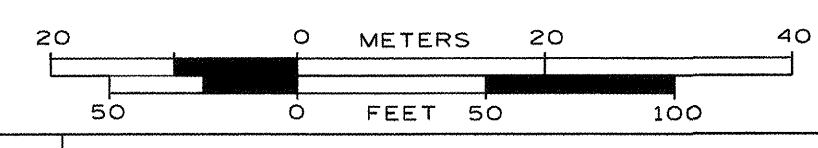
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2012-059-BR	COOK	631	219
FED. ROAD DIST. NO. ILLINOIS IDOT Project No.			Contract No. 60J12	



UTILITY OWNERS	
AT&T	= TELEPHONE
CITY OF CHICAGO	= ELECTRIC
CITY OF CHICAGO	= WATER
COM-ED	= ELECTRIC
LEVEL 3	= FIBER OPTIC
PEOPLES	= GAS

Utilities shown on these plans as depicted in the legend have been investigated by Cardno TBE in accordance with SUE Industry Standards. All other information shown has been provided to Cardno TBE by others. Cardno TBE's SUE field investigation was performed from 1/04/12 through 3/02/12. Changes to utilities after 3/02/12 may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan if deemed advisable prior to final design and construction.

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



Utility Quality Level "A" : Visually Verified Test Hole  
 Utility Quality Level "B" : Designating/Test Holes not Visually Verified  
 Utility Quality Level "C" : Research with Survey  
 Utility Quality Level "D" : Records Research

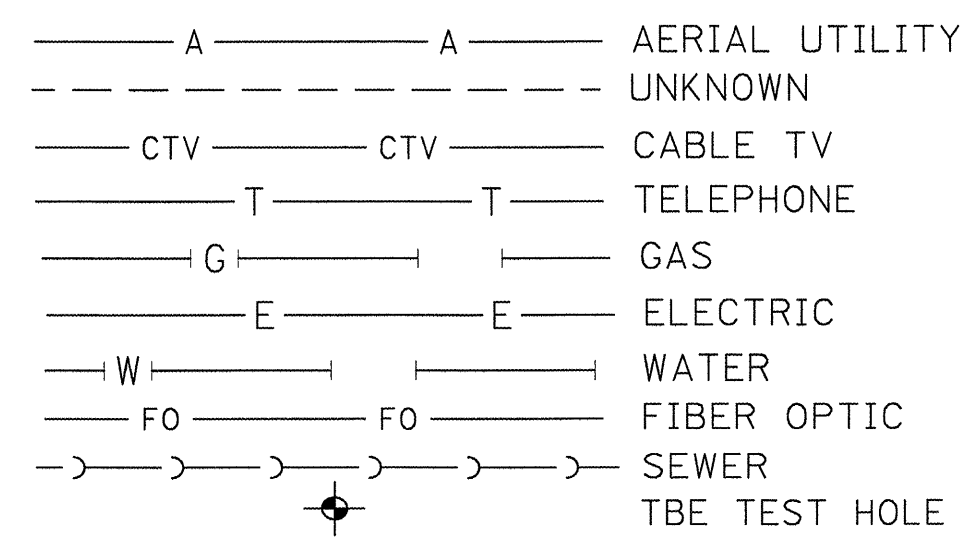
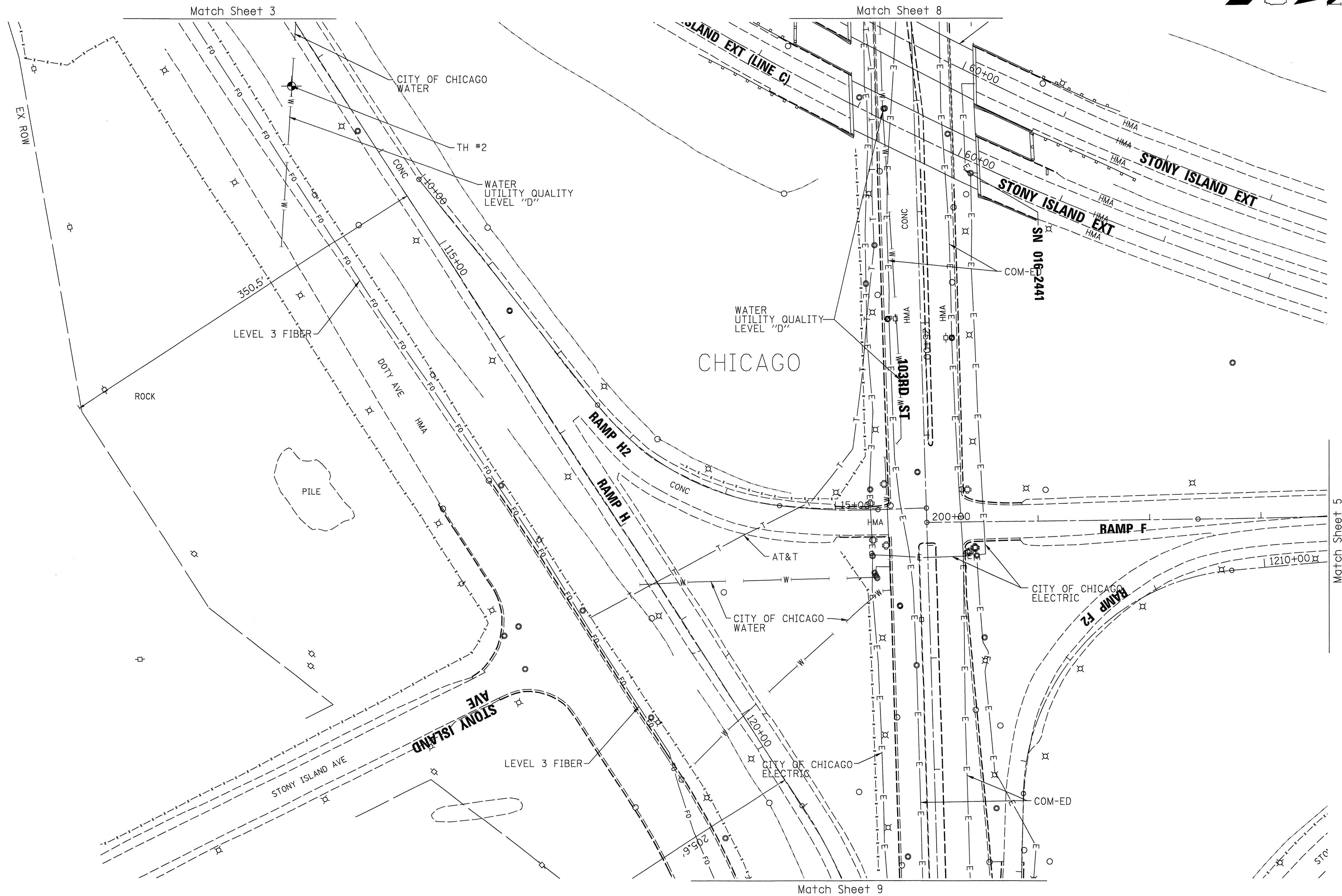
DESIGNED	EG	REVISED	9/07/12
DRAWN	KLC	REVISED	
CHECKED	KFS	REVISED	
DATE	3/06/12	REVISED	

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

I-94 at Stony Island  
 Chicago, IL

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2012-059-BR	COOK	631	220
Contract No. 60J12				
FED. ROAD DIST. NO. ILLINOIS IDOT Project No.				

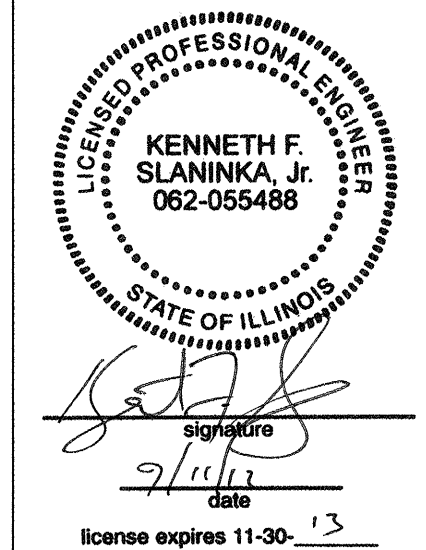
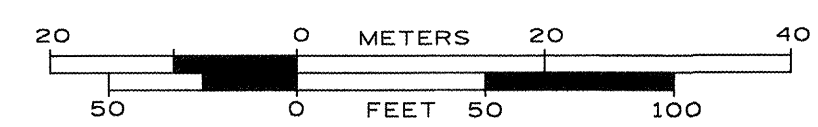
TBE Job No. IL09510463  
 SUE Plan Page: 3 of 10



UTILITY OWNERS	
AT&T	= TELEPHONE
CITY OF CHICAGO	= ELECTRIC
CITY OF CHICAGO	= WATER
COM-ED	= ELECTRIC
LEVEL 3	= FIBER OPTIC
PEOPLES	= GAS

Utilities shown on these plans as depicted in the legend have been investigated by Cardno TBE in accordance with SUE Industry Standards. All other information shown has been provided to Cardno TBE by others. Cardno TBE's SUE field investigation was performed from 1/04/12 through 3/02/12. TBE's QL "A" SUE field investigation was performed 8/24/12 through 8/28/12. Changes to utilities after 3/02/12 may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan if deemed advisable prior to final design and construction.

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



CIVIL ENGINEERING \* TRANSPORTATION \* ENVIRONMENTAL \* PLANNING \* UTILITY ENGINEERING/LOCATING

TBE Job No. IL09510463, 507  
SUE Plan Page: 4 of 10

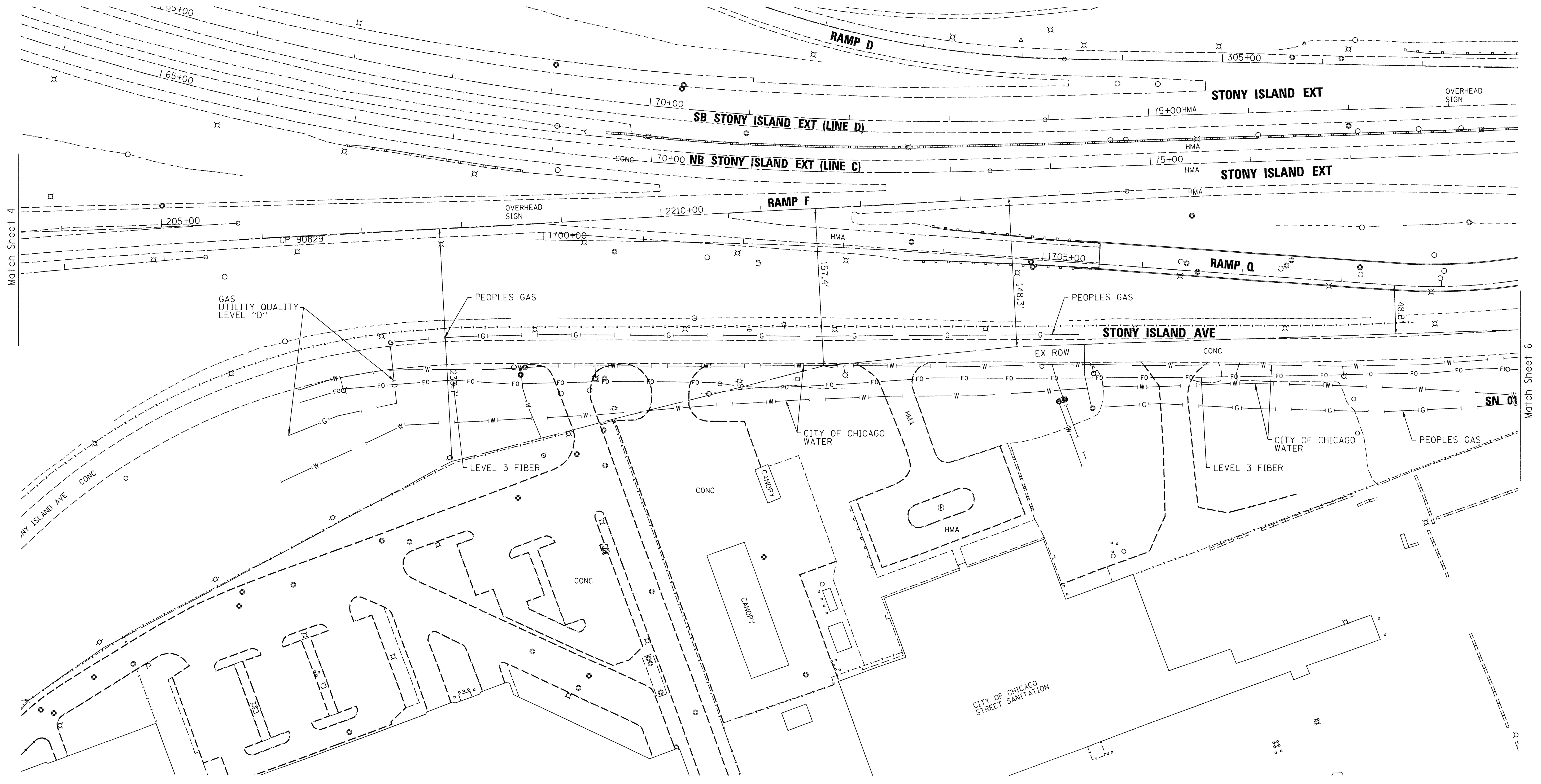
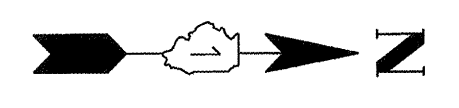
Utility Quality Level "A" : Visually Verified Test Hole  
Utility Quality Level "B" : Designating/Test Holes not Visually Verified  
Utility Quality Level "C" : Research with Survey  
Utility Quality Level "D" : Records Research

DESIGNED	EG	REVISED	9/07/12 ADDED TH 1-2
DRAWN	KLC	REVISED	
CHECKED	KFS	REVISED	
DATE	3/06/12	REVISED	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

I-94 at Stony Island  
Chicago, IL

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2012-059-BR	COOK	631	221
Contract No. 60J12				
FED. ROAD DIST. NO. ILLINOIS IDOT Project No.				

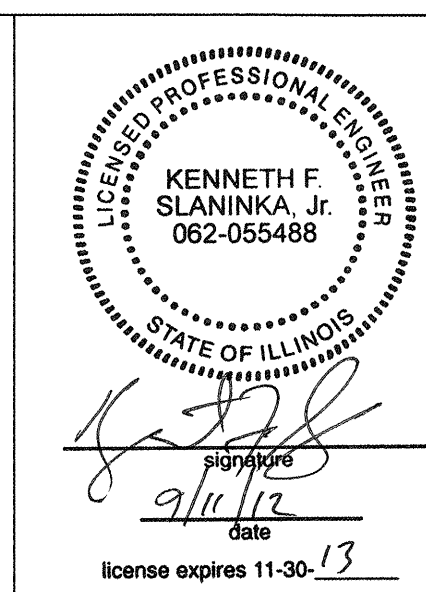


— A — A —	AERIAL UTILITY
- - - - -	UNKNOWN
— CTV — CTV —	CABLE TV
— T — T —	TELEPHONE
— G — G —	GAS
— E — E —	ELECTRIC
— W — W —	WATER
— FO — FO —	FIBER OPTIC
— S — S —	SEWER
⊕	TBE TEST HOLE

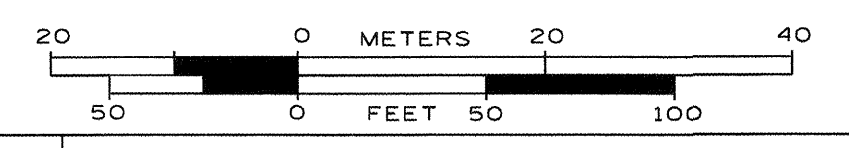
UTILITY OWNERS	
AT&T = TELEPHONE	
CITY OF CHICAGO = ELECTRIC	
CITY OF CHICAGO = WATER	
COM-ED = ELECTRIC	
LEVEL 3 = FIBER OPTIC	
PEOPLES = GAS	

Utilities shown on these plans as depicted in the legend have been investigated by Cardno TBE in accordance with SUE Industry Standards. All other information shown has been provided to Cardno TBE by others. Cardno TBE's SUE field investigation was performed from 1/04/12 through 3/02/12. Changes to utilities after 3/02/12 may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan if deemed advisable prior to final design and construction.

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



TBE Job No. IL09510463  
SUE Plan Page: 5 of 10



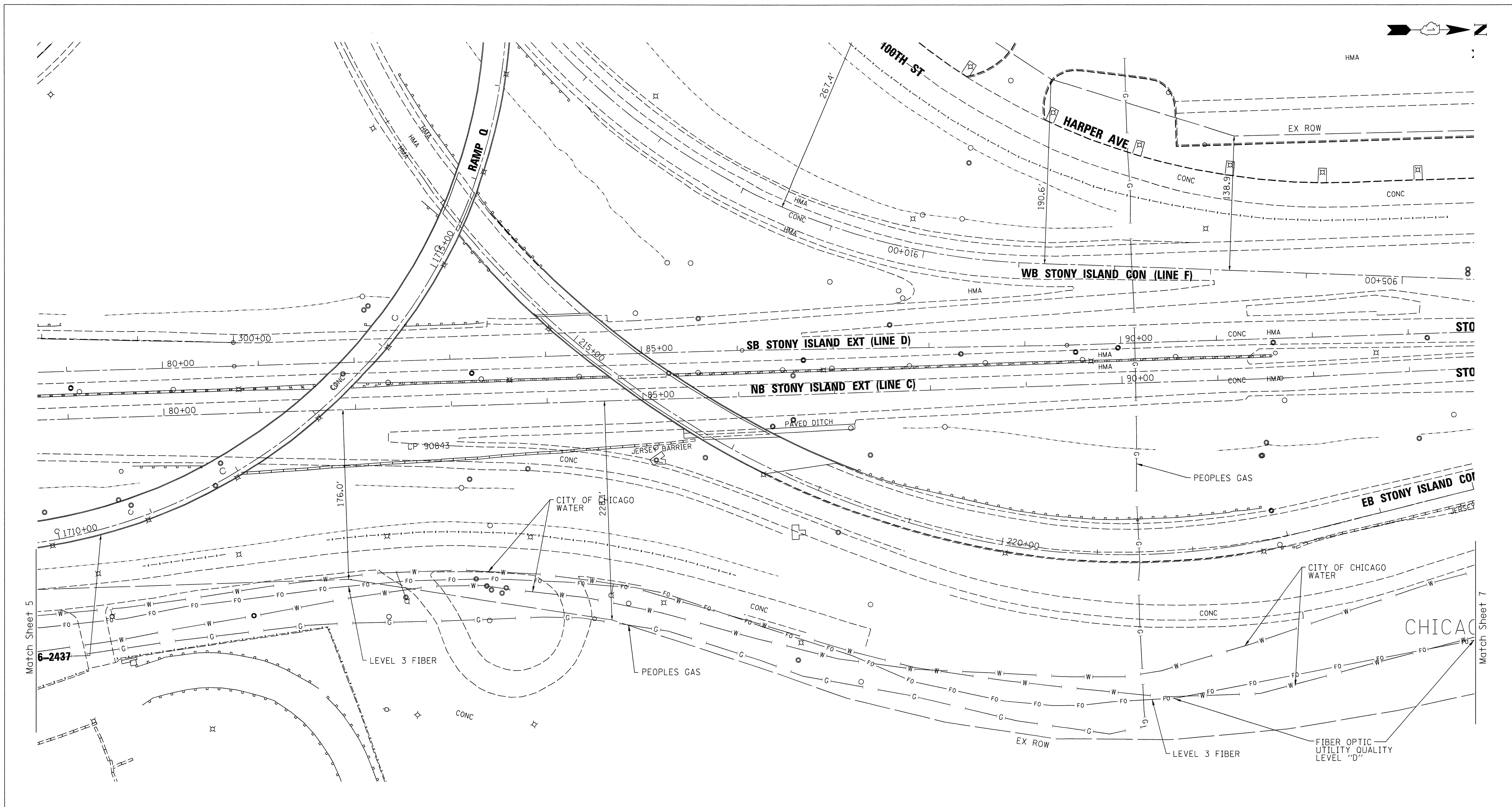
Utility Quality Level "A" : Visually Verified Test Hole  
 Utility Quality Level "B" : Designating/Test Holes not Visually Verified  
 Utility Quality Level "C" : Research with Survey  
 Utility Quality Level "D" : Records Research

DESIGNED	EG	REVISED	
DRAWN	KLC	REVISED	
CHECKED	KFS	REVISED	
DATE	3/06/12	REVISED	

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

**I-94 at Stony Island**  
**Chicago, IL**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2012-059-BR	COOK	631	222
Contract No. 60J12				
FED. ROAD DIST. NO.		ILLINOIS	IDOT Project No.	

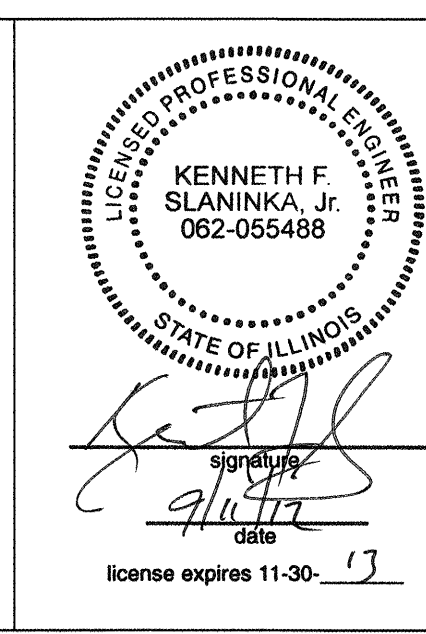


— A — A —	AERIAL UTILITY
- - - - -	UNKNOWN
— CTV — CTV —	CABLE TV
— T — T —	TELEPHONE
— G — G —	GAS
— E — E —	ELECTRIC
— W — W —	WATER
— FO — FO —	FIBER OPTIC
— ) — ) —	SEWER
⊕	TBE TEST HOLE

UTILITY OWNERS	
AT&T = TELEPHONE	
CITY OF CHICAGO = ELECTRIC	
CITY OF CHICAGO = WATER	
COM-ED = ELECTRIC	
LEVEL 3 = FIBER OPTIC	
PEOPLES = GAS	

Utilities shown on these plans as depicted in the legend have been investigated by Cardno TBE in accordance with SUE Industry Standards. All other information shown has been provided to Cardno TBE by others. Cardno TBE's SUE field investigation was performed from 1/04/12 through 3/02/12. Changes to utilities after 3/02/12 may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan if deemed advisable prior to final design and construction.

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



**Cardno TBE**  
 CIVIL ENGINEERING \* TRANSPORTATION \* ENVIRONMENTAL  
 \* PLANNING \* UTILITY ENGINEERING/LOCATING

TBE Job No. IL09510463  
 SUE Plan Page: 6 of 10

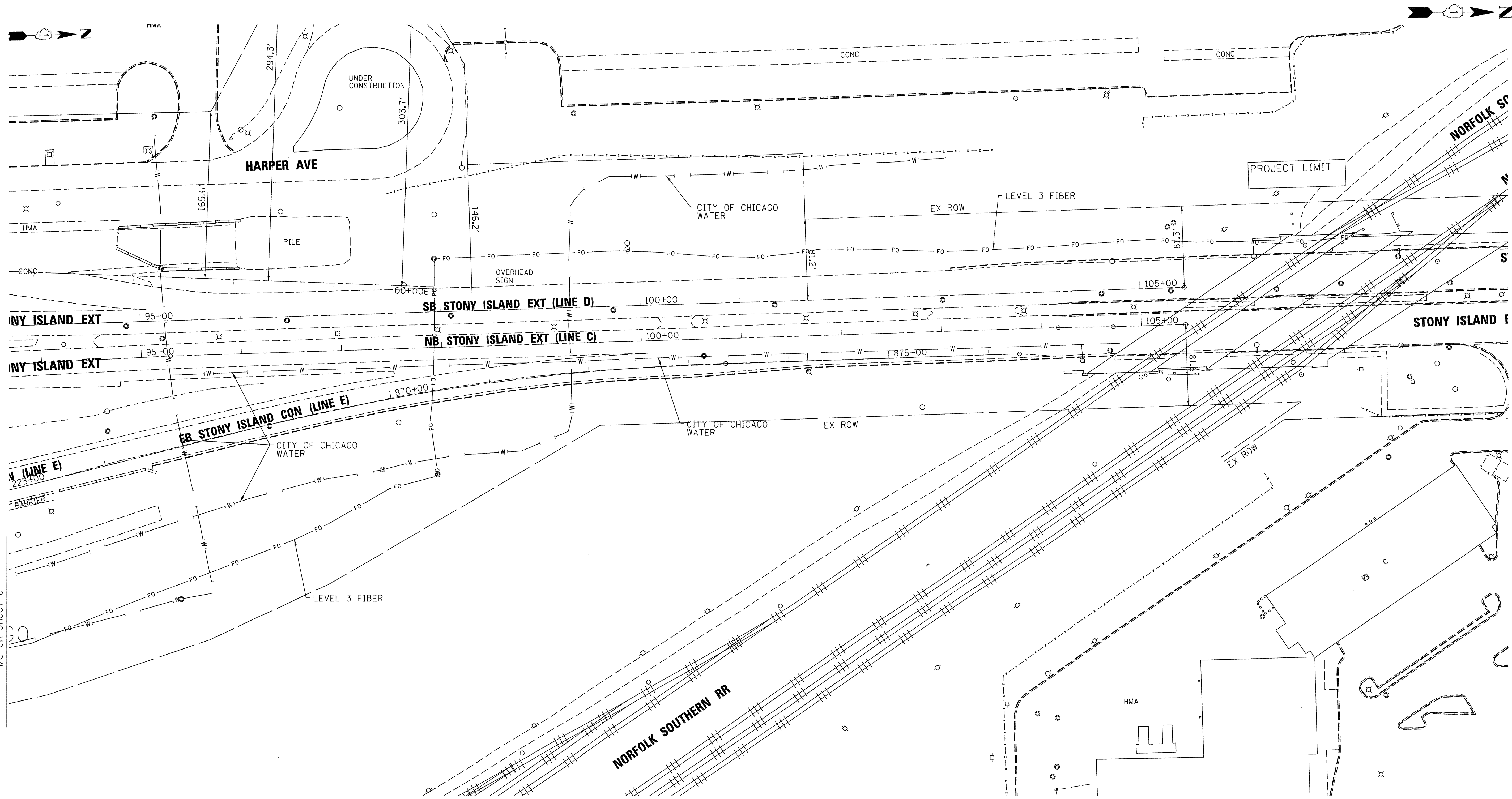
Utility Quality Level "A" : Visually Verified Test Hole  
 Utility Quality Level "B" : Designating/Test Holes not Visually Verified  
 Utility Quality Level "C" : Research with Survey  
 Utility Quality Level "D" : Records Research

DESIGNED	EG	REVISED	
DRAWN	KLC	REVISED	
CHECKED	KFS	REVISED	
DATE	3/06/12	REVISED	

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

I-94 at Stony Island  
 Chicago, IL

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2012-059-BR	COOK	631	223
Contract No. 60J12				
FED. ROAD DIST. NO. ILLINOIS IDOT Project No.				



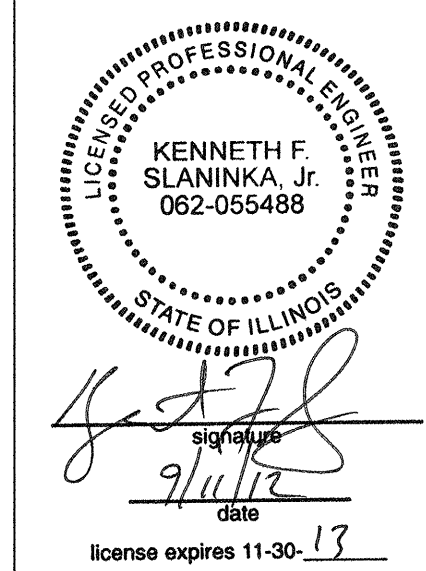
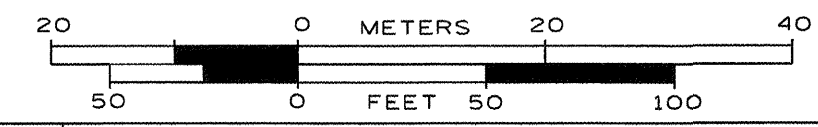
Match Sheet 6

— A — A —	AERIAL UTILITY
- - - - -	UNKNOWN
— CTV — CTV —	CABLE TV
— T — T —	TELEPHONE
— G — G —	GAS
— E — E —	ELECTRIC
— W — W —	WATER
— FO — FO —	FIBER OPTIC
— ) — ) —	SEWER
⊕	TBE TEST HOLE

UTILITY OWNERS	
AT&T = TELEPHONE	
CITY OF CHICAGO = ELECTRIC	
CITY OF CHICAGO = WATER	
COM-ED = ELECTRIC	
LEVEL 3 = FIBER OPTIC	
PEOPLES = GAS	

Utilities shown on these plans as depicted in the legend have been investigated by Cardno TBE in accordance with SUE Industry Standards. All other information shown has been provided to Cardno TBE by others. Cardno TBE's SUE field investigation was performed from 1/04/12 through 3/02/12. Changes to utilities after 3/02/12 may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan if deemed advisable prior to final design and construction.

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



TBE Job No. IL09510463  
SUE Plan Page: 7 of 10

Utility Quality Level "A" : Visually Verified Test Hole  
Utility Quality Level "B" : Designating/Test Holes not Visually Verified  
Utility Quality Level "C" : Research with Survey  
Utility Quality Level "D" : Records Research

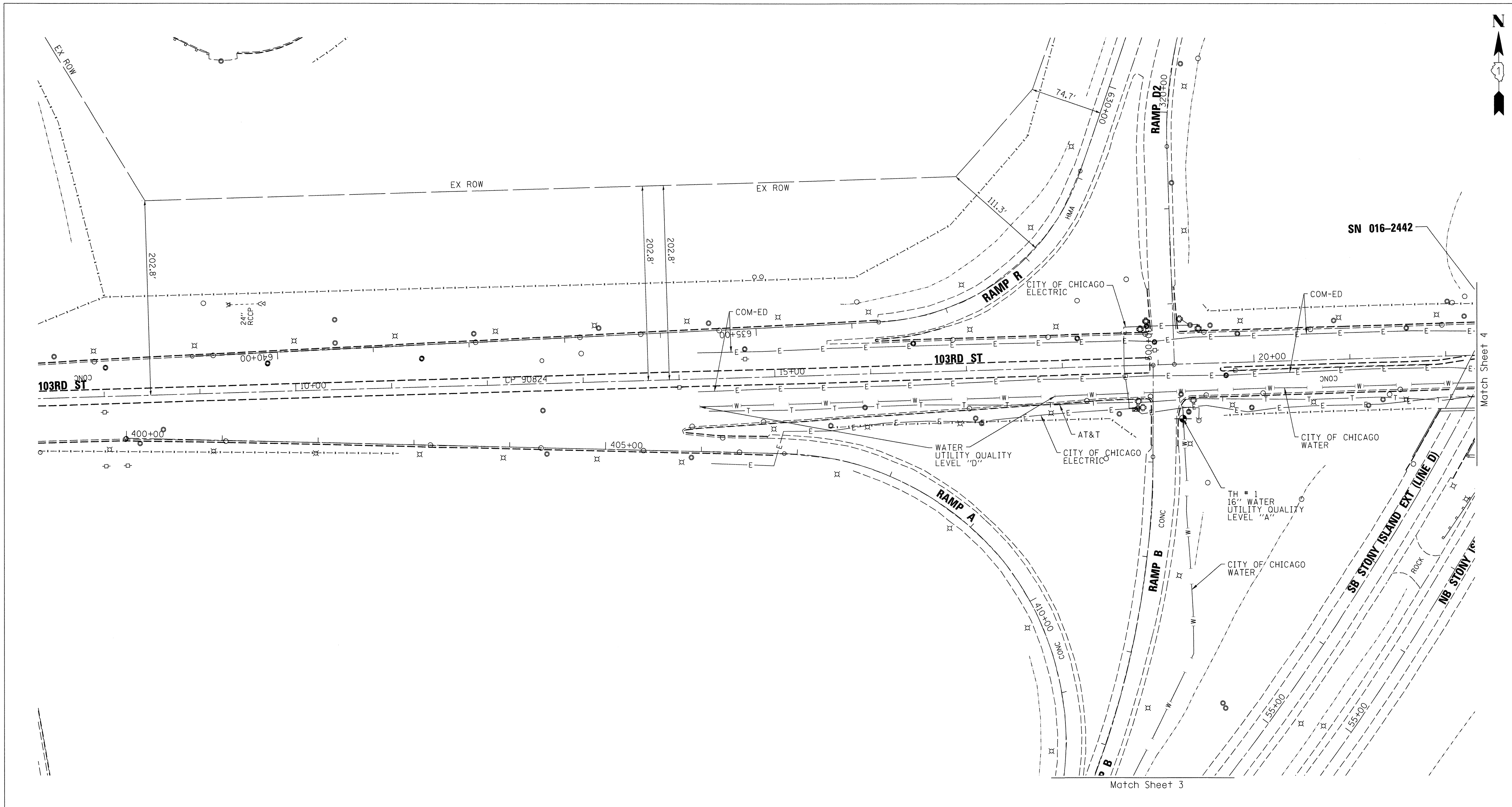
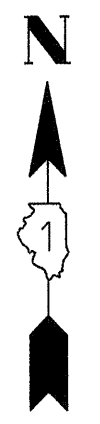
DESIGNED	EG	REVISED	
DRAWN	KLC	REVISED	
CHECKED	KFS	REVISED	
DATE	3/06/12	REVISED	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

I-94 at Stony Island  
Chicago, IL

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2012-059-BR	COOK	631	224
Contract No. 60J12				
FED. ROAD DIST. NO.   ILLINOIS   IDOT Project No.				



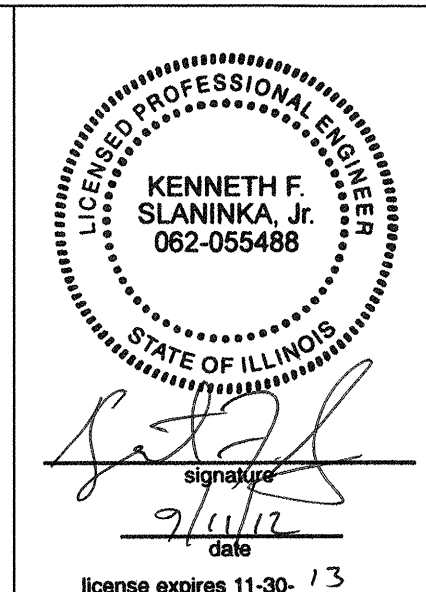


— A — A —	AERIAL UTILITY
- - - - -	UNKNOWN
— CTV — CTV —	CABLE TV
— T — T —	TELEPHONE
— G — G —	GAS
— E — E —	ELECTRIC
— W — W —	WATER
— FO — FO —	FIBER OPTIC
— S — S —	SEWER
⊕	TBE TEST HOLE

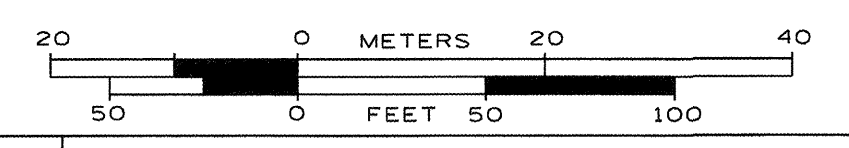
UTILITY OWNERS	
AT&T = TELEPHONE	
CITY OF CHICAGO = ELECTRIC	
CITY OF CHICAGO = WATER	
COM-ED = ELECTRIC	
LEVEL 3 = FIBER OPTIC	
PEOPLES = GAS	

Utilities shown on these plans as depicted in the legend have been investigated by Cardno TBE in accordance with SUE Industry Standards. All other information shown has been provided to Cardno TBE by others. Cardno TBE's SUE field investigation was performed from 1/04/12 through 3/02/12. TBE's QL "A" SUE field investigation was performed 8/24/12 through 8/28/12. Changes to utilities after 3/02/12 may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan if deemed advisable prior to final design and construction.

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



TBE Job No. IL09510463, 507  
SUE Plan Page: 8 of 10



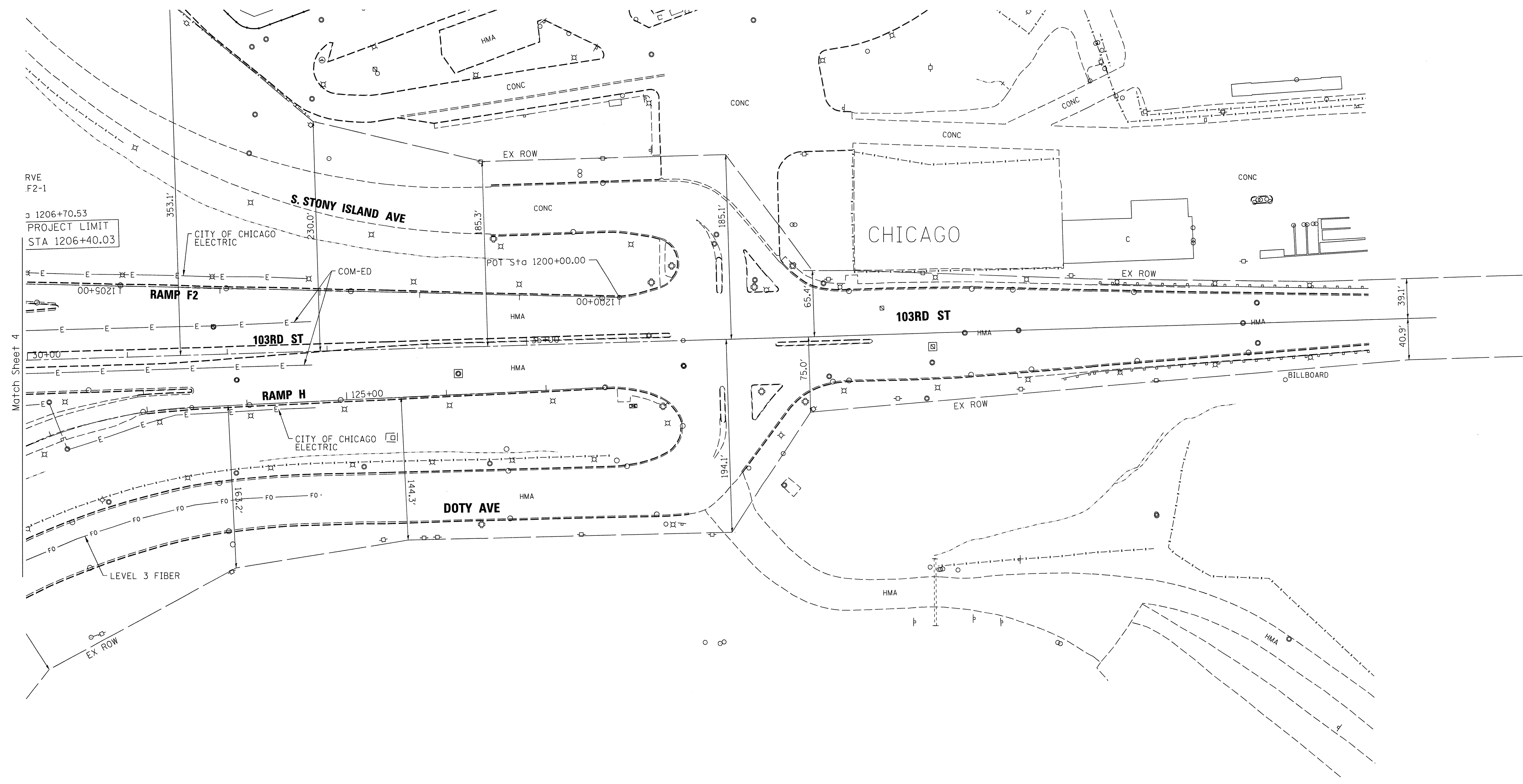
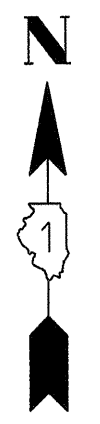
Utility Quality Level "A" : Visually Verified Test Hole  
 Utility Quality Level "B" : Designating/Test Holes not Visually Verified  
 Utility Quality Level "C" : Research with Survey  
 Utility Quality Level "D" : Records Research

DESIGNED	EG	REVISED	9/07/12 ADDED TH 1-2
DRAWN	KLC	REVISED	
CHECKED	KFS	REVISED	
DATE	3/06/12	REVISED	

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

**I-94 at Stony Island**  
**Chicago, IL**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2012-059-BR	COOK	631	225
FED. ROAD DIST. NO.		ILLINOIS	IDOT Project No.	

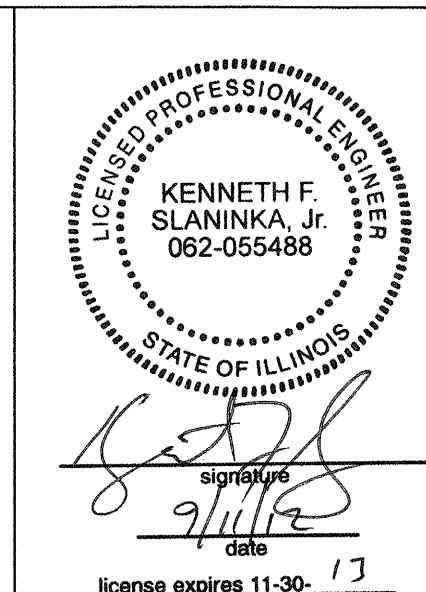


— A — A —	AERIAL UTILITY
- - - - -	UNKNOWN
— CTV — CTV —	CABLE TV
— T — T —	TELEPHONE
— G — G —	GAS
— E — E —	ELECTRIC
— W — W —	WATER
— FO — FO —	FIBER OPTIC
— S — S —	SEWER
⊕	TBE TEST HOLE

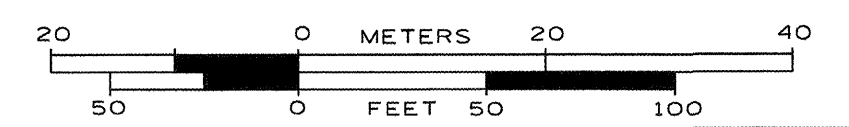
UTILITY OWNERS	
AT&T = TELEPHONE	
CITY OF CHICAGO = ELECTRIC	
CITY OF CHICAGO = WATER	
COM-ED = ELECTRIC	
LEVEL 3 = FIBER OPTIC	
PEOPLES = GAS	

Utilities shown on these plans as depicted in the legend have been investigated by Cardno TBE in accordance with SUE Industry Standards. All other information shown has been provided to Cardno TBE by others. Cardno TBE's SUE field investigation was performed from 1/04/12 through 3/02/12. Changes to utilities after 3/02/12 may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan if deemed advisable prior to final design and construction.

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



TBE Job No. IL09510463  
SUE Plan Page: 9 of 10



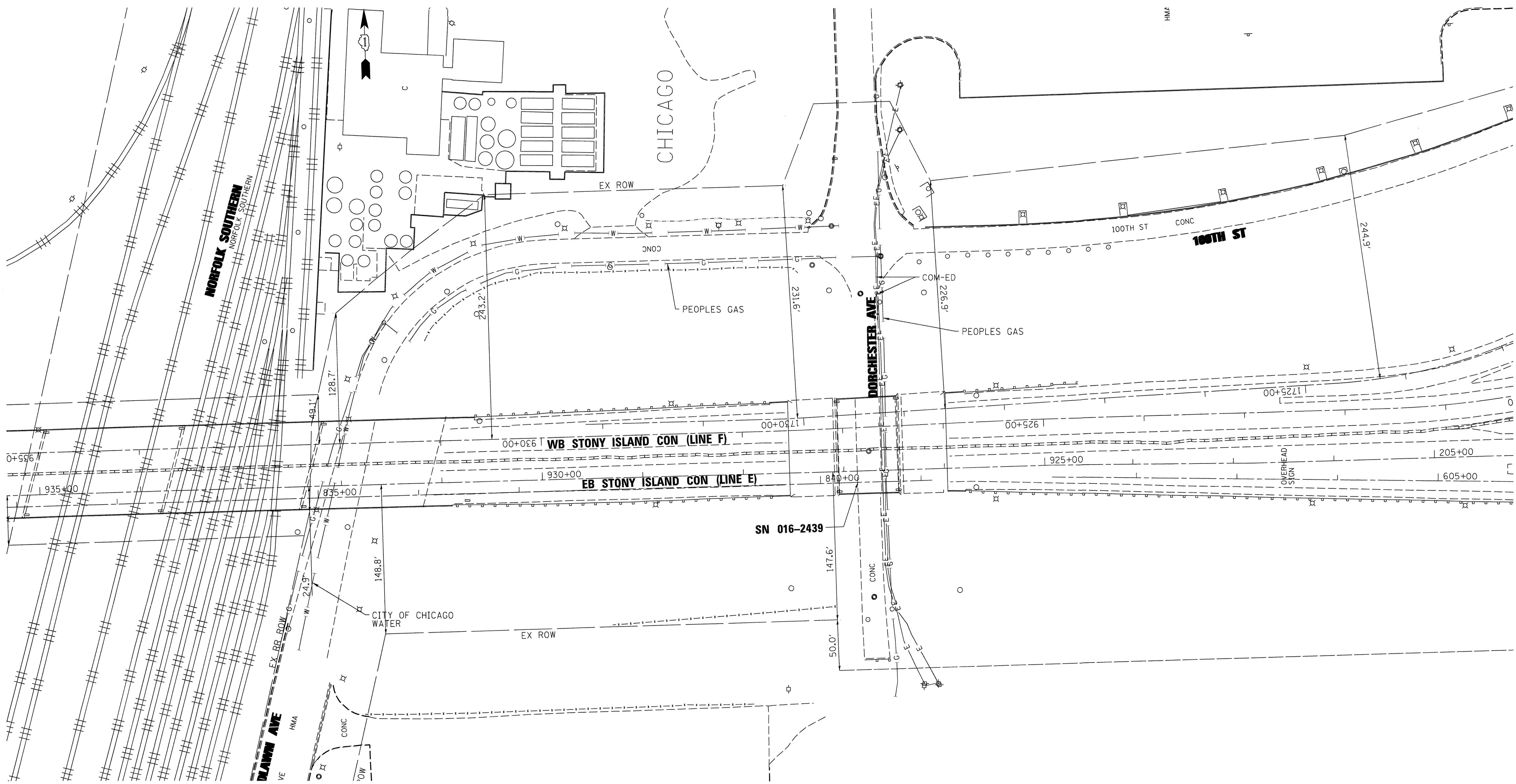
Utility Quality Level "A" : Visually Verified Test Hole  
 Utility Quality Level "B" : Designating/Test Holes not Visually Verified  
 Utility Quality Level "C" : Research with Survey  
 Utility Quality Level "D" : Records Research

DESIGNED	EG	REVISED	
DRAWN	KLC	REVISED	
CHECKED	KFS	REVISED	
DATE	3/06/12	REVISED	

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

**I-94 at Stony Island**  
**Chicago, IL**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2012-059-BR	COOK	631	226
FED. ROAD DIST. NO.		ILLINOIS IDOT Project No.		

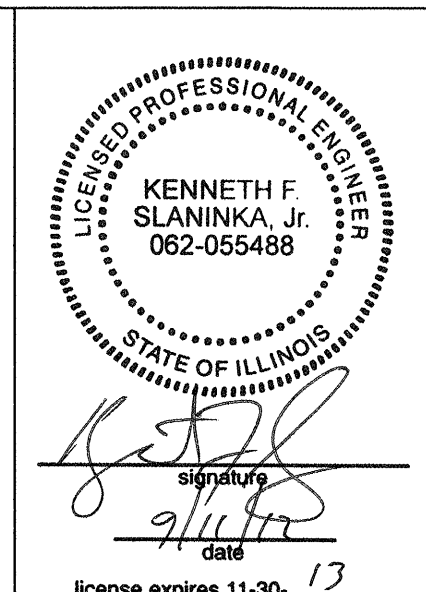


— A — A —	AERIAL UTILITY
- - - - -	UNKNOWN
— CTV — CTV —	CABLE TV
— T — T —	TELEPHONE
— G — G —	GAS
— E — E —	ELECTRIC
— W — W —	WATER
— FO — FO —	FIBER OPTIC
— S — S —	SEWER
⊕	TBE TEST HOLE

UTILITY OWNERS	
AT&T = TELEPHONE	
CITY OF CHICAGO = ELECTRIC	
CITY OF CHICAGO = WATER	
COM-ED = ELECTRIC	
LEVEL 3 = FIBER OPTIC	
PEOPLES = GAS	

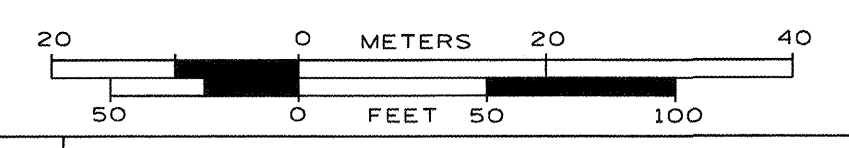
Utilities shown on these plans as depicted in the legend have been investigated by Cardno TBE in accordance with SUE Industry Standards. All other information shown has been provided to Cardno TBE by others. Cardno TBE's SUE field investigation was performed from 1/04/12 through 3/02/12. Changes to utilities after 3/02/12 may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan if deemed advisable prior to final design and construction.

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



**Cardno TBE**  
 CIVIL ENGINEERING \* TRANSPORTATION \* ENVIRONMENTAL  
 \* PLANNING \* UTILITY ENGINEERING/LOCATING

TBE Job No. IL09510463  
 SUE Plan Page: 10 of 10



Utility Quality Level "A" : Visually Verified Test Hole  
 Utility Quality Level "B" : Designating/Test Holes not Visually Verified  
 Utility Quality Level "C" : Research with Survey  
 Utility Quality Level "D" : Records Research

DESIGNED	EG	REVISED	
DRAWN	KLC	REVISED	
CHECKED	KFS	REVISED	
DATE	3/06/12	REVISED	

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

**I-94 at Stony Island**  
**Chicago, IL**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2012-059-BR	COOK	631	227
FED. ROAD DIST. NO.		ILLINOIS 100T	Contract No. 60J12	
		Project No.		

**VERIFIED UTILITY INFORMATION**

TEST HOLE #	SIZE & TYPE	NORTHING	EASTING	EXISTING TOP ELEVATION	EXISTING CUT	REFERENCE ELEVATION	COMMENTS
1	16" W	1836921.68	1187979.53	578.95'	6.03'	584.98'	UTILITY QUALITY "A"
2	N/A W	1836430.49	1188340.55	576.27'	10.00'	586.27'	UTILITY QUALITY "D"


**NOTES**

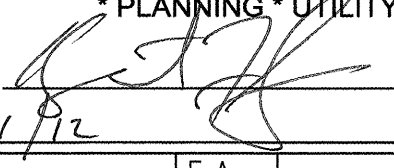
TH #2 - Unable to designate and pinpoint 48" water but excavation attempt was made in suspected area and could not find the utility. Large rocks and ground water infiltration within the excavated hole prevented us from excavating any deeper than 10'.

**ABBREVIATIONS**

W = WATER

ALL INFORMATION SHOWN WAS OBTAINED FROM A LOCATION SURVEY.

  
**CARDNO  
TBE**  
CIVIL ENGINEERING \* TRANSPORTATION \* ENVIRONMENTAL  
PLANNING \* UTILITY ENGINEERING/LOCATING

Checked By:   
Date: 9/11/12

TBE Job No. IL09510507

<small>F.A. RTE.</small>	<small>SECTION</small> 2012-059-BR	<small>COUNTY</small> Cook	<small>TOTAL SHEETS</small> 631	<small>SHEET NO.</small> 228
<small>FED. ROAD DIST. NO.   ILLINOIS</small>				
<small>Contract No. 60J12 Job No.:</small>				

<small>DESIGNED</small> ED	<small>REVISED</small>
<small>DRAWN</small> SRK	<small>REVISED</small>
<small>CHECKED</small> KFS	<small>REVISED</small>
<small>DATE</small> 9/10/12	<small>REVISED</small>

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

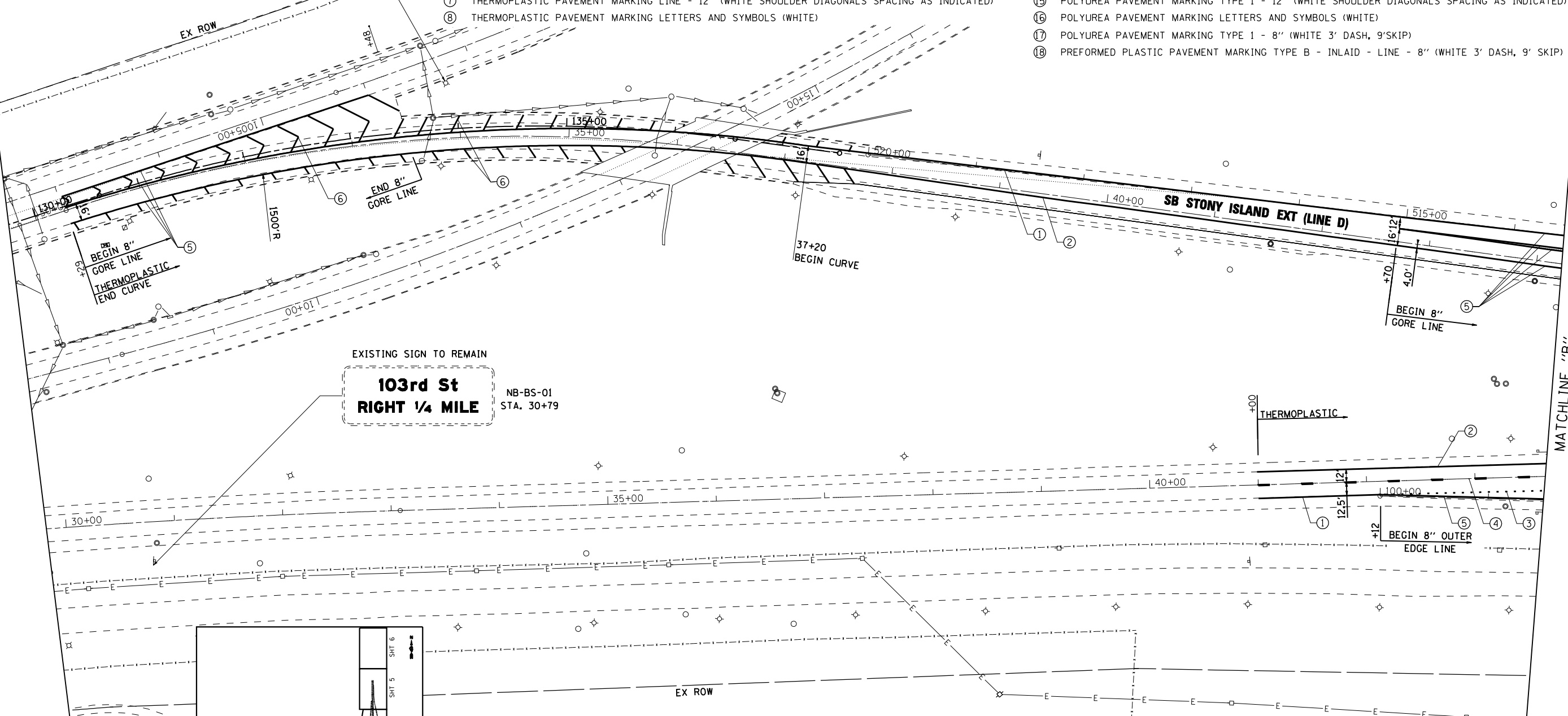
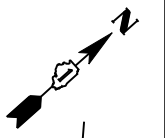
**I-94 at Stony Island  
Chicago, IL**

SHEET NO.            STA.            TO STA.

EXISTING SIGN TO REMAIN  
 SB-LP-02  
 STA. 1006+72  
 STA. 133+93  
 MUTCD W4-3  
 48" X 48"

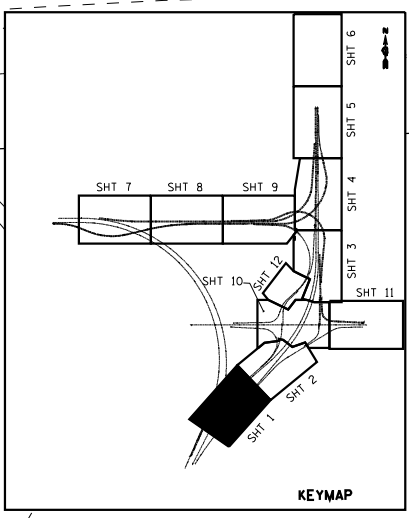
- LEGEND:
- ① THERMOPLASTIC PAVEMENT MARKING LINE - 4" (WHITE EDGE LINE)
  - ② THERMOPLASTIC PAVEMENT MARKING LINE - 4" (YELLOW EDGE LINE)
  - ③ PREFORMED PLASTIC PAVEMENT MARKING TYPE B- INLAID-LINE 4" (WHITE 2' DASH, 6' SKIP)
  - ④ PREFORMED PLASTIC PAVEMENT MARKING TYPE B- INLAID-LINE 5" (WHITE 10' DASH, 30' SKIP)
  - ⑤ THERMOPLASTIC PAVEMENT MARKING LINE - 8" (WHITE EDGE LINE)
  - ⑥ THERMOPLASTIC PAVEMENT MARKING LINE - 12" (WHITE GORE CHEVRONS SPACED @ 30' CENTERS)
  - ⑦ THERMOPLASTIC PAVEMENT MARKING LINE - 12" (WHITE SHOULDER DIAGONALS SPACING AS INDICATED)
  - ⑧ THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS (WHITE)

- ⑨ POLYUREA PAVEMENT MARKING TYPE 1 - 4" (WHITE EDGE LINE)
- ⑩ POLYUREA PAVEMENT MARKING TYPE 1 - 4" (YELLOW EDGE LINE)
- ⑪ POLYUREA PAVEMENT MARKING TYPE 1 - 4" (WHITE 2' DASH, 6' SKIP) LINE - 8" (WHITE 2' DASH, 6' SKIP)
- ⑫ POLYUREA PAVEMENT MARKING TYPE 1 - 5" (WHITE 10' DASH, 30' SKIP)
- ⑬ POLYUREA PAVEMENT MARKING TYPE 1 - 8" (WHITE EDGE LINE)
- ⑭ POLYUREA PAVEMENT MARKING TYPE 1 - 12" (WHITE GORE CHEVRONS SPACED @ 30' CENTERS)
- ⑮ POLYUREA PAVEMENT MARKING TYPE 1 - 12" (WHITE SHOULDER DIAGONALS SPACING AS INDICATED)
- ⑯ POLYUREA PAVEMENT MARKING LETTERS AND SYMBOLS (WHITE)
- ⑰ POLYUREA PAVEMENT MARKING TYPE 1 - 8" (WHITE 3' DASH, 9' SKIP)
- ⑱ PREFORMED PLASTIC PAVEMENT MARKING TYPE B - INLAID - LINE - 8" (WHITE 3' DASH, 9' SKIP)



EXISTING SIGN TO REMAIN  
**103rd St  
 RIGHT 1/4 MILE**  
 NB-BS-01  
 STA. 30+79

MATCHLINE "B"  
 SEE SHEET 2 OF 12  
 FOR CONTINUATION



**GUIDE SIGN SEQUENCE  
 NUMBERING CODE**

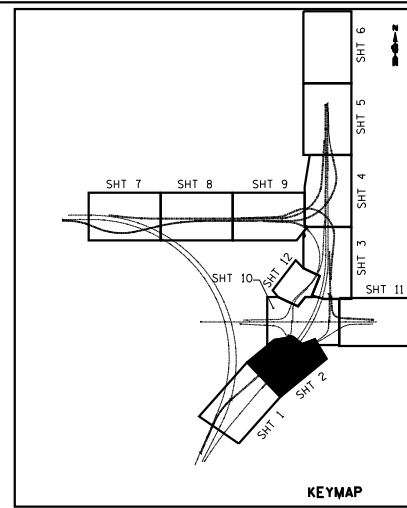
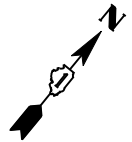
DIRECTION OF TRAFFIC	SIGN PANEL NUMBER	MOUNTING TYPE
EB - EASTBOUND STONY ISLAND	EB - TR - 03	WP - WOOD POST
WB - WESTBOUND STONY ISLAND		BS - BREAKAWAY STEEL
NB - NORTHBOUND STONY ISLAND		LP - LIGHTPOLE
SB - SOUTHBOUND STONY ISLAND		MP - METAL POST
		TR - TRUSS
		CL - CANTILEVER
		BM - BRIDGE MOUNTED

NOTE:  
 1. POLYUREA PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS ON PCC.  
 2. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED PER IDOT DISTRICT 1 STANDARD TC-12.



**EJM ENGINEERING, INC.**  
 411 South Wells Street Suite 800  
 Chicago, Illinois 60607

FILE NAME = ...\\D160J12-sht-spmkplan_01.dgn	USER NAME = sadhikari	DESIGNED - PWF	REVISIONS -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED SIGNING AND PAVEMENT MARKING PLAN STONY ISLAND</b>			F.A.I. RTE. 94	SECTION 2012-059-BR	COUNTY COOK	TOTAL SHEETS 631	SHEET NO. 229
PLOT SCALE = 50.000' / IN.	CHECKED - SA	REVISIONS -	SCALE: 1"=50'		SHEET NO. 1 OF 16 SHEETS	STA.	TO STA.	CONTRACT NO. 60J12				
PLOT DATE = 3/29/2013	DATE - 3/29/2013	REVISIONS -	ILLINOIS FED. AID PROJECT									



**GUIDE SIGN SEQUENCE  
NUMBERING CODE**

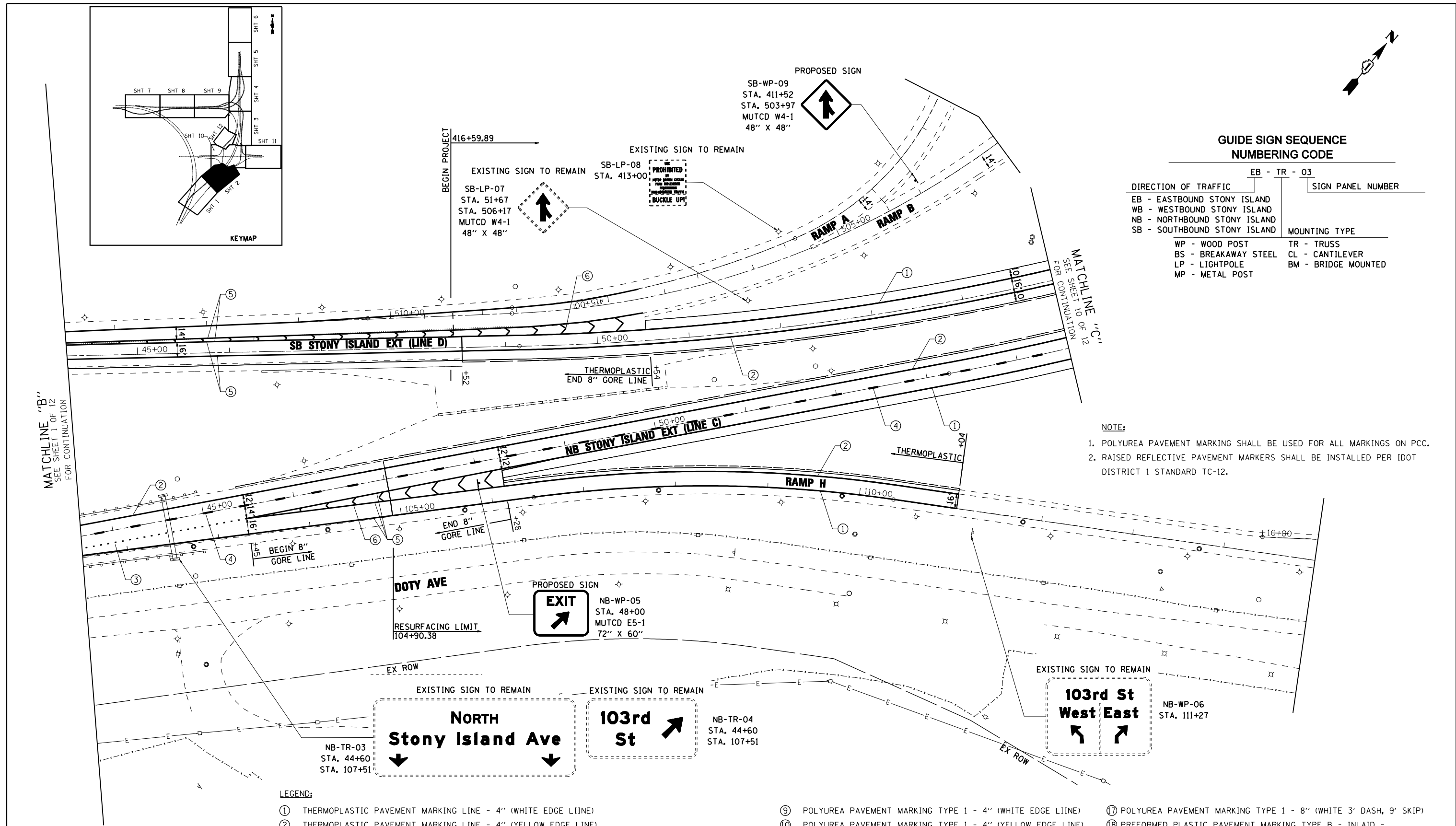
DIRECTION OF TRAFFIC		SIGN PANEL NUMBER	
EB - EASTBOUND STONY ISLAND	TR - TRUSS	CL - CANTILEVER	BM - BRIDGE MOUNTED
WB - WESTBOUND STONY ISLAND			
NB - NORTHBOUND STONY ISLAND			
SB - SOUTHBOUND STONY ISLAND			
MOUNTING TYPE			
WP - WOOD POST	TR - TRUSS		
BS - BREAKAWAY STEEL	CL - CANTILEVER		
LP - LIGHTPOLE	BM - BRIDGE MOUNTED		
MP - METAL POST			

MATCHLINE "B"  
SEE SHEET 1 OF 12  
FOR CONTINUATION

MATCHLINE "C"  
SEE SHEET 10 OF 12  
FOR CONTINUATION

**NOTE:**

- POLYUREA PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS ON PCC.
- RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED PER IDOT DISTRICT 1 STANDARD TC-12.



**LEGEND:**

- |   |  |  |
|---|--|--|
| ① THERMOPLASTIC PAVEMENT MARKING LINE - 4" (WHITE EDGE LINE)                                | ⑨ POLYUREA PAVEMENT MARKING TYPE 1 - 4" (WHITE EDGE LINE)                                | ⑰ POLYUREA PAVEMENT MARKING TYPE 1 - 8" (WHITE 3' DASH, 9' SKIP) |
| ② THERMOPLASTIC PAVEMENT MARKING LINE - 4" (YELLOW EDGE LINE)                               | ⑩ POLYUREA PAVEMENT MARKING TYPE 1 - 4" (YELLOW EDGE LINE)                               | ⑱ PREFORMED PLASTIC PAVEMENT MARKING TYPE B - INLAID -           |
| ③ PREFORMED PLASTIC PAVEMENT MARKING TYPE B- INLAID-LINE 4" (WHITE 2' DASH, 6' SKIP)        | ⑪ POLYUREA PAVEMENT MARKING TYPE 1 - 4" (WHITE 2' DASH, 6' SKIP)                         | LINE - 8" (WHITE 3' DASH, 9' SKIP)                               |
| ④ PREFORMED PLASTIC PAVEMENT MARKING TYPE B- INLAID-LINE 5" (WHITE 10' DASH, 30' SKIP)      | ⑫ POLYUREA PAVEMENT MARKING TYPE 1 - 5" (WHITE 10' DASH, 30' SKIP)                       |  |
| ⑤ THERMOPLASTIC PAVEMENT MARKING LINE - 8" (WHITE EDGE LINE)                                | ⑬ POLYUREA PAVEMENT MARKING TYPE 1 - 8" (WHITE EDGE LINE)                                |  |
| ⑥ THERMOPLASTIC PAVEMENT MARKING LINE - 12" (WHITE GORE CHEVRONS SPACED @ 30' CENTERS)      | ⑭ POLYUREA PAVEMENT MARKING TYPE 1 - 12" (WHITE GORE CHEVRONS SPACED @ 30' CENTERS)      |  |
| ⑦ THERMOPLASTIC PAVEMENT MARKING LINE - 12" (WHITE SHOULDER DIAGONALS SPACING AS INDICATED) | ⑮ POLYUREA PAVEMENT MARKING TYPE 1 - 12" (WHITE SHOULDER DIAGONALS SPACING AS INDICATED) |  |
| ⑧ THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS (WHITE)                                | ⑯ POLYUREA PAVEMENT MARKING LETTERS AND SYMBOLS (WHITE)                                  |  |



FILE NAME = ...\\D160J12-sht-spmkplan.02.dgn  
USER NAME = sadhikari  
PLOT SCALE = 50.000' / IN.  
PLOT DATE = 3/29/2013

DESIGNED - PWF	REVISD -
DRAWN - PWF	REVISD -
CHECKED - SA	REVISD -
DATE - 3/29/2013	REVISD -

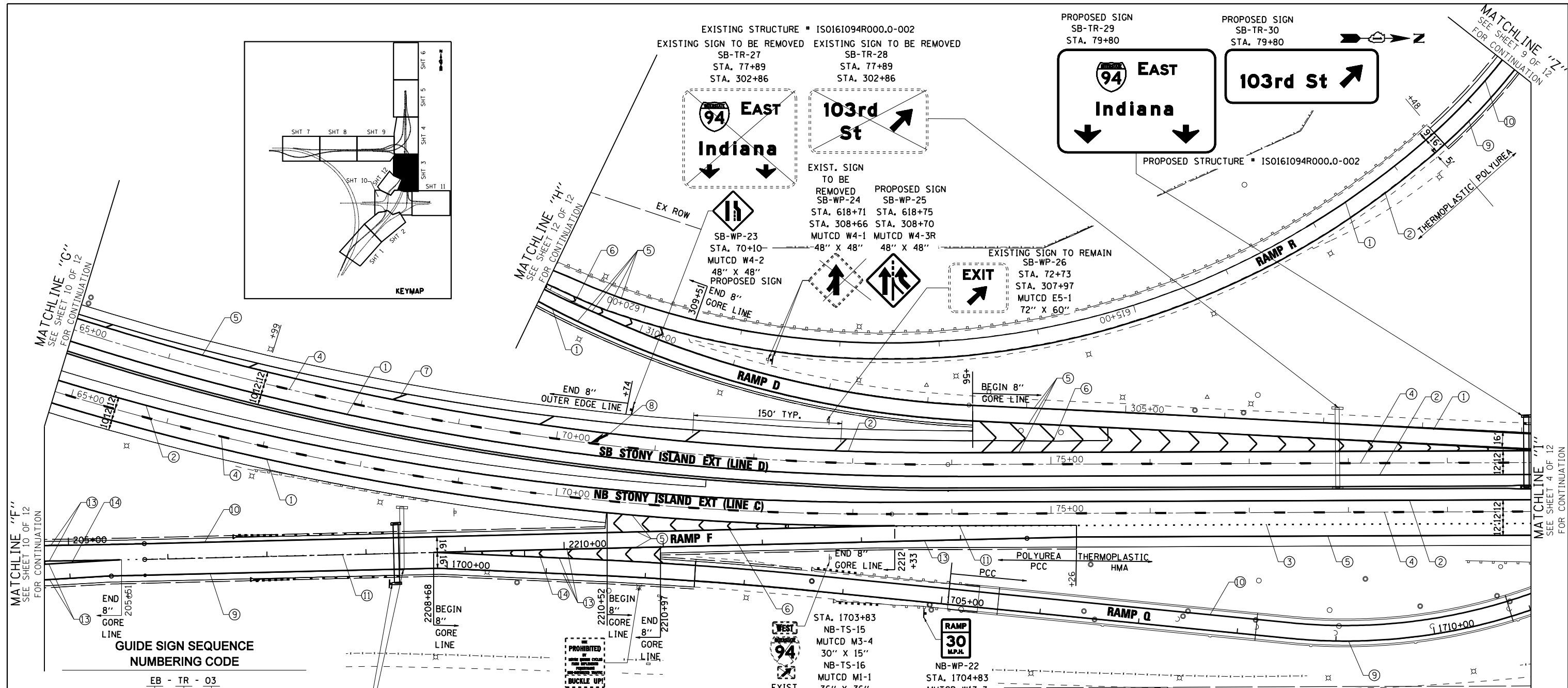
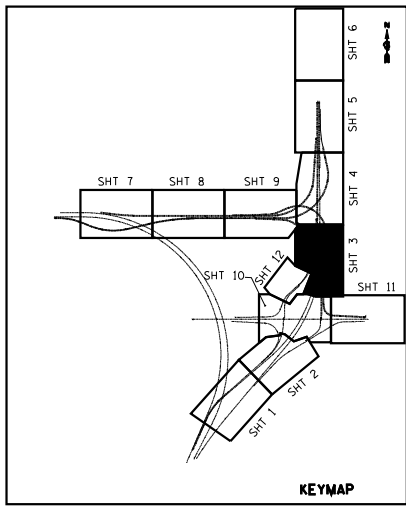
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED SIGNING AND PAVEMENT MARKING PLAN  
STONY ISLAND**

SCALE: 1"=50' SHEET NO. 2 OF 16 SHEETS STA. TO STA.

F.A.I. RTE. 94	SECTION 2012-059-BR	COUNTY COOK	TOTAL SHEETS 631	SHEET NO. 230
CONTRACT NO. 60J12			ILLINOIS FED. AID PROJECT	

s:\projects\2010\stony island feeder - bba\project work\cadd sheets\160J12-sht-spmkplan.02.dgn



**GUIDE SIGN SEQUENCE NUMBERING CODE**

DIRECTION OF TRAFFIC	SIGN PANEL NUMBER	MOUNTING TYPE
EB - EASTBOUND STONY ISLAND	EB - TR - 03	WP - WOOD POST
WB - WESTBOUND STONY ISLAND		TR - TRUSS
NB - NORTHBOUND STONY ISLAND		BS - BREAKAWAY STEEL
SB - SOUTHBOUND STONY ISLAND		CL - CANTILEVER
		LP - LIGHTPOLE
		BM - BRIDGE MOUNTED
		MP - METAL POST
		TS - TELESCOPING STEEL

- NOTE:**
- POLYUREA PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS ON PCC.
  - RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED PER IDOT DISTRICT 1 STANDARD TC-12.

- LEGEND:**
- THERMOPLASTIC PAVEMENT MARKING LINE - 4" (WHITE EDGE LINE)
  - THERMOPLASTIC PAVEMENT MARKING LINE - 4" (YELLOW EDGE LINE)
  - PREFORMED PLASTIC PAVEMENT MARKING TYPE B- INLAID-LINE 4" (WHITE 2' DASH, 6' SKIP)
  - PREFORMED PLASTIC PAVEMENT MARKING TYPE B- INLAID-LINE 5" (WHITE 10' DASH, 30' SKIP)
  - THERMOPLASTIC PAVEMENT MARKING LINE - 8" (WHITE EDGE LINE)
  - THERMOPLASTIC PAVEMENT MARKING LINE - 12" (WHITE GORE CHEVRONS SPACED @ 30' CENTERS)
  - THERMOPLASTIC PAVEMENT MARKING LINE - 12" (WHITE SHOULDER DIAGONALS SPACING AS INDICATED)
  - THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS (WHITE)
  - POLYUREA PAVEMENT MARKING TYPE 1 - 4" (WHITE EDGE LINE)
  - POLYUREA PAVEMENT MARKING TYPE 1 - 4" (YELLOW EDGE LINE)
  - POLYUREA PAVEMENT MARKING TYPE 1 - 4" (WHITE 2' DASH, 6' SKIP)
  - POLYUREA PAVEMENT MARKING TYPE 1 - 5" (WHITE 10' DASH, 30' SKIP)
  - POLYUREA PAVEMENT MARKING TYPE 1 - 8" (WHITE EDGE LINE)
  - POLYUREA PAVEMENT MARKING TYPE 1 - 12" (WHITE GORE CHEVRONS SPACED @ 30' CENTERS)
  - POLYUREA PAVEMENT MARKING TYPE 1 - 12" (WHITE SHOULDER DIAGONALS SPACING AS INDICATED)
  - POLYUREA PAVEMENT MARKING LETTERS AND SYMBOLS (WHITE)
  - POLYUREA PAVEMENT MARKING TYPE 1 - 8" (WHITE 3' DASH, 9' SKIP)
  - PREFORMED PLASTIC PAVEMENT MARKING TYPE B - INLAID - LINE - 8" (WHITE 3' DASH, 9' SKIP)

**EJM ENGINEERING, INC.**  
411 South Wells Street Suite 800  
Chicago, Illinois 60607

FILE NAME =	USER NAME = sadhikari	DESIGNED - PWF	REVISED -
...\\D160J12-sht-spmkpln.03.dgn		DRAWN - PWF	REVISED -
		CHECKED - SA	REVISED -
		DATE - 3/29/2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

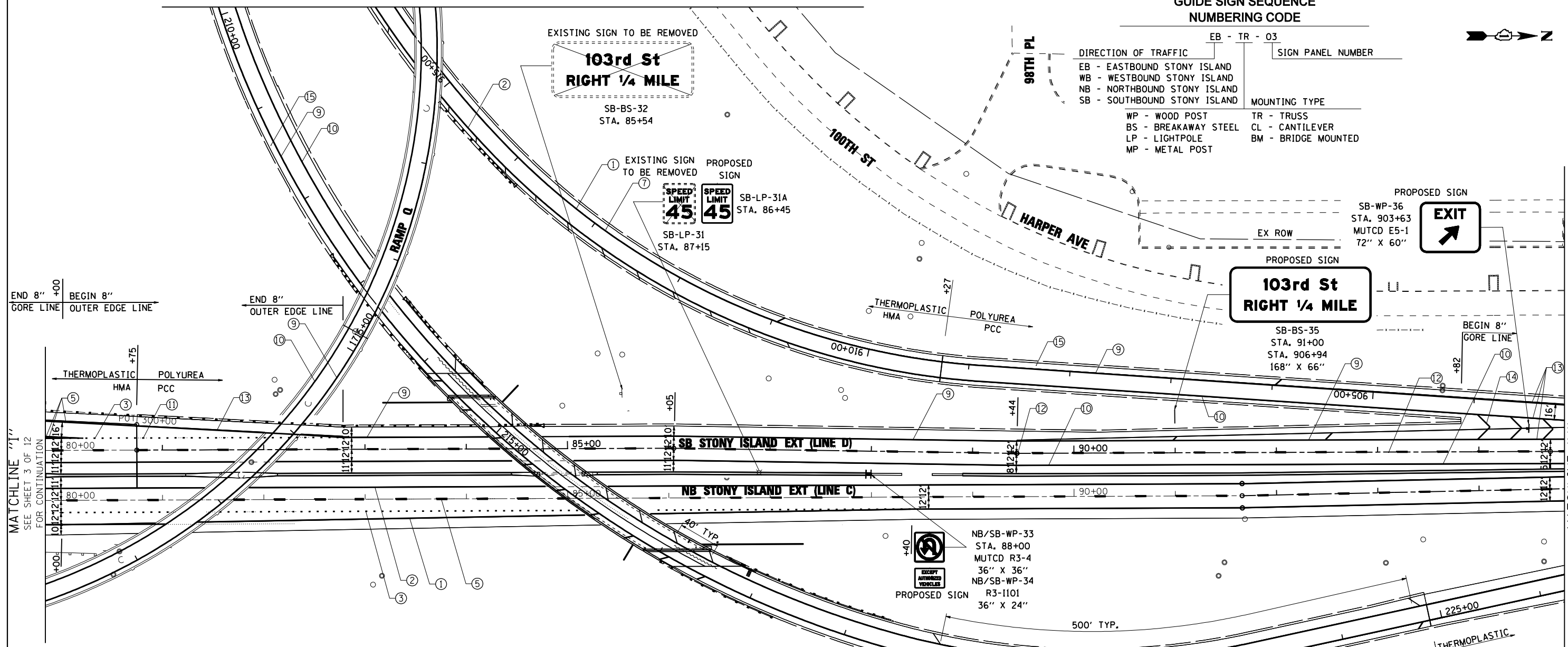
**PROPOSED SIGNING AND PAVEMENT MARKING PLAN  
STONY ISLAND CONNECTOR**

SCALE: 1"=50' SHEET NO. 3 OF 16 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	231
CONTRACT NO. 60J12			ILLINOIS FED. AID PROJECT	

**GUIDE SIGN SEQUENCE  
NUMBERING CODE**

DIRECTION OF TRAFFIC		SIGN PANEL NUMBER	
EB - EASTBOUND STONY ISLAND	TR - TRUSS	SIGN PANEL NUMBER	
WB - WESTBOUND STONY ISLAND	CL - CANTILEVER		
NB - NORTHBOUND STONY ISLAND	BM - BRIDGE MOUNTED		
SB - SOUTHBOUND STONY ISLAND			
MOUNTING TYPE			
WP - WOOD POST	TR - TRUSS		
BS - BREAKAWAY STEEL	CL - CANTILEVER		
LP - LIGHTPOLE	BM - BRIDGE MOUNTED		
MP - METAL POST			



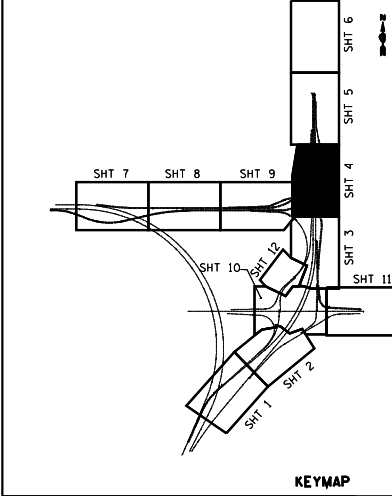
END 8" GORE LINE +00  
BEGIN 8" OUTER EDGE LINE

END 8" OUTER EDGE LINE

BEGIN 8" GORE LINE

MATCHLINE "1" SEE SHEET 3 OF 12 FOR CONTINUATION

MATCHLINE "J" SEE SHEET 5 OF 12 FOR CONTINUATION



- NOTE:**
- POLYUREA PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS ON PCC.
  - RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED PER IDOT DISTRICT 1 STANDARD TC-12.

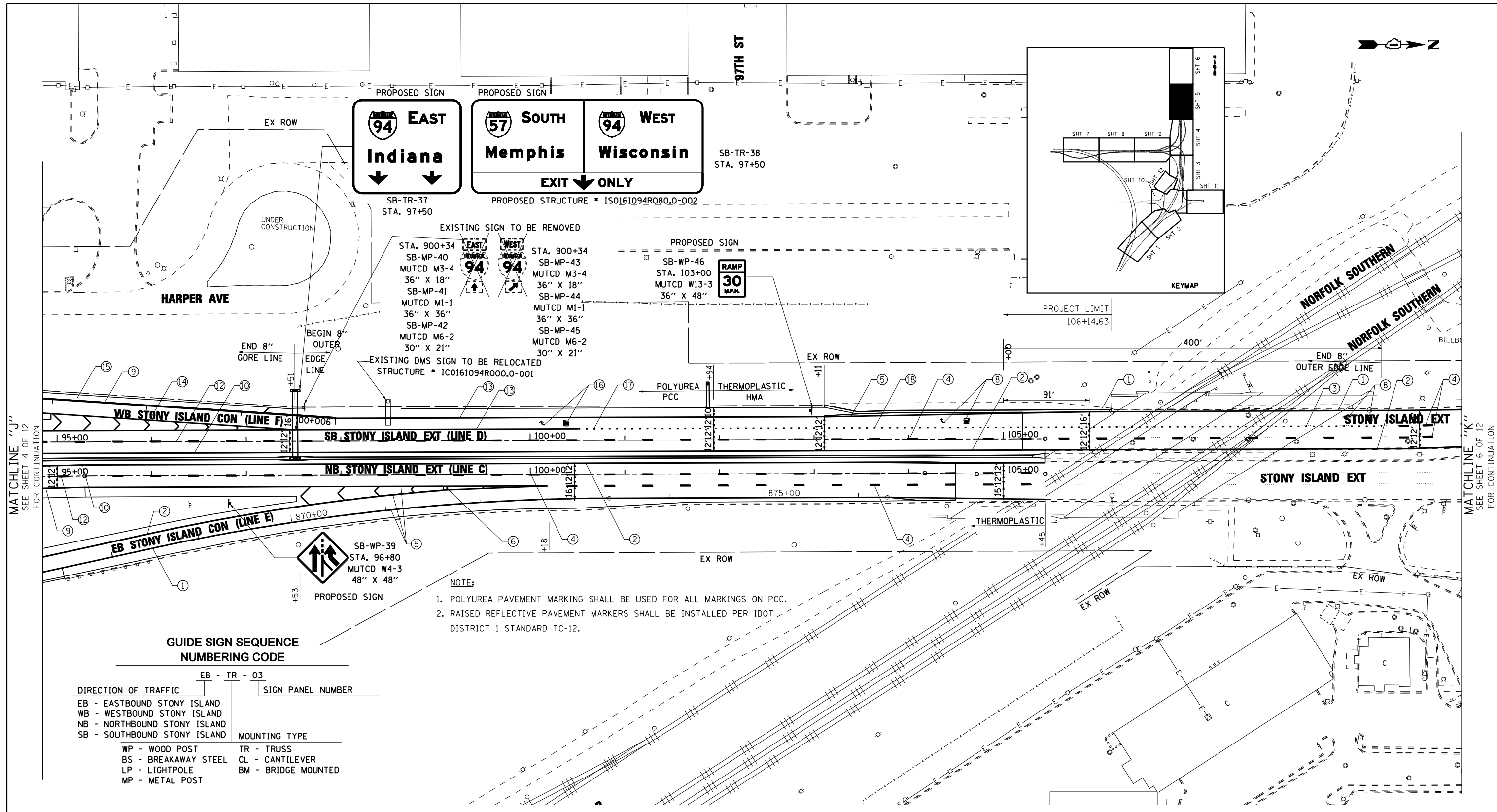
- LEGEND:**
- |   |   |  |
|---|---|--|
| ① THERMOPLASTIC PAVEMENT MARKING LINE - 4" (WHITE EDGE LINE)                                | ⑨ POLYUREA PAVEMENT MARKING TYPE 1 - 4" (WHITE EDGE LINE)   | ⑰ POLYUREA PAVEMENT MARKING TYPE 1 - 8" (WHITE 3' DASH, 9' SKIP) |
| ② THERMOPLASTIC PAVEMENT MARKING LINE - 4" (YELLOW EDGE LINE)                               | ⑩ POLYUREA PAVEMENT MARKING TYPE 1 - 4" (YELLOW EDGE LINE)  | ⑱ PREFORMED PLASTIC PAVEMENT MARKING TYPE B - INLAID -           |
| ③ PREFORMED PLASTIC PAVEMENT MARKING TYPE B- INLAID-LINE 4" (WHITE 2' DASH, 6' SKIP)        | ⑪ POLYUREA PAVEMENT MARKING TYPE 1 - 4" (WHITE 2' DASH, 6' SKIP) LINE - 8" (WHITE 3' DASH, 9' SKIP) |  |
| ④ PREFORMED PLASTIC PAVEMENT MARKING TYPE B- INLAID-LINE 5" (WHITE 10' DASH, 30' SKIP)      | ⑫ POLYUREA PAVEMENT MARKING TYPE 1 - 5" (WHITE 10' DASH, 30' SKIP)                                  |  |
| ⑤ THERMOPLASTIC PAVEMENT MARKING LINE - 8" (WHITE EDGE LINE)                                | ⑬ POLYUREA PAVEMENT MARKING TYPE 1 - 8" (WHITE EDGE LINE)   |  |
| ⑥ THERMOPLASTIC PAVEMENT MARKING LINE - 12" (WHITE GORE CHEVRONS SPACED @ 30' CENTERS)      | ⑭ POLYUREA PAVEMENT MARKING TYPE 1 - 12" (WHITE GORE CHEVRONS SPACED @ 30' CENTERS)                 |  |
| ⑦ THERMOPLASTIC PAVEMENT MARKING LINE - 12" (WHITE SHOULDER DIAGONALS SPACING AS INDICATED) | ⑮ POLYUREA PAVEMENT MARKING TYPE 1 - 12" (WHITE SHOULDER DIAGONALS SPACING AS INDICATED)            |  |
| ⑧ THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS (WHITE)                                | ⑯ POLYUREA PAVEMENT MARKING LETTERS AND SYMBOLS (WHITE)   |  |

**EJM ENGINEERING, INC.**  
411 South Wells Street Suite 800  
Chicago, Illinois 60607



FILE NAME = ...\\D160J12-sht-spmkplan_04.dgn	USER NAME = sadhikari	DESIGNED - PWF	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED SIGNING AND PAVEMENT MARKING PLAN STONY ISLAND CONNECTOR</b>	F.A.I. RTE. = 94	SECTION = 2012-059-BR	COUNTY = COOK	TOTAL SHEETS = 631	SHEET NO. = 232	
PLOT SCALE = 50.000' / IN.	CHECKED - SA	REVISOR -	DATE = 3/29/2013			SCALE: 1"=50'	SHEET NO. 4 OF 16 SHEETS	STA. TO STA.	CONTRACT NO. 60J12		ILLINOIS FED. AID PROJECT
PLOT DATE = 3/29/2013	DATE = 3/29/2013	REVISOR -	REVISOR -								





- EXISTING SIGN TO BE REMOVED
- |  |  |
|--|--|
| STA. 900+34<br>SB-MP-40<br>MUTCD M3-4<br>36" X 18" | STA. 900+34<br>SB-MP-43<br>MUTCD M3-4<br>36" X 18" |
| SB-MP-41<br>MUTCD M1-1<br>36" X 36"                | SB-MP-44<br>MUTCD M1-1<br>36" X 36"                |
| SB-MP-42<br>MUTCD M6-2<br>30" X 21"                | SB-MP-45<br>MUTCD M6-2<br>30" X 21"                |

- PROPOSED SIGN
- SB-WP-46  
STA. 103+00  
MUTCD W13-3  
36" X 48"
- 

EXISTING DMS SIGN TO BE RELOCATED  
STRUCTURE # IC0161094R000.0-001

- NOTE:
- POLYUREA PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS ON PCC.
  - RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED PER IDOT DISTRICT 1 STANDARD TC-12.

**GUIDE SIGN SEQUENCE  
NUMBERING CODE**

DIRECTION OF TRAFFIC		SIGN PANEL NUMBER	
EB - EASTBOUND STONY ISLAND	TR - TRUSS		
WB - WESTBOUND STONY ISLAND	CL - CANTILEVER		
NB - NORTHBOUND STONY ISLAND	BM - BRIDGE MOUNTED		
SB - SOUTHBOUND STONY ISLAND			
MOUNTING TYPE			
WP - WOOD POST	TR - TRUSS		
BS - BREAKAWAY STEEL	CL - CANTILEVER		
LP - LIGHTPOLE	BM - BRIDGE MOUNTED		
MP - METAL POST			

**LEGEND:**

- |   |  |  |
|---|--|--|
| ① THERMOPLASTIC PAVEMENT MARKING LINE - 4" (WHITE EDGE LINE)                                | ⑨ POLYUREA PAVEMENT MARKING TYPE 1 - 4" (WHITE EDGE LINE)                                | ⑰ POLYUREA PAVEMENT MARKING TYPE 1 - 8" (WHITE 3' DASH, 9' SKIP) |
| ② THERMOPLASTIC PAVEMENT MARKING LINE - 4" (YELLOW EDGE LINE)                               | ⑩ POLYUREA PAVEMENT MARKING TYPE 1 - 4" (YELLOW EDGE LINE)                               | ⑱ PREFORMED PLASTIC PAVEMENT MARKING TYPE B - INLAID -           |
| ③ PREFORMED PLASTIC PAVEMENT MARKING TYPE B- INLAID-LINE 4" (WHITE 2' DASH, 6' SKIP)        | ⑪ POLYUREA PAVEMENT MARKING TYPE 1 - 4" (WHITE 2' DASH, 6' SKIP)                         | LINE - 8" (WHITE 3' DASH, 9' SKIP)                               |
| ④ PREFORMED PLASTIC PAVEMENT MARKING TYPE B- INLAID-LINE 5" (WHITE 10' DASH, 30' SKIP)      | ⑫ POLYUREA PAVEMENT MARKING TYPE 1 - 5" (WHITE 10' DASH, 30' SKIP)                       |  |
| ⑤ THERMOPLASTIC PAVEMENT MARKING LINE - 8" (WHITE EDGE LINE)                                | ⑬ POLYUREA PAVEMENT MARKING TYPE 1 - 8" (WHITE EDGE LINE)                                |  |
| ⑥ THERMOPLASTIC PAVEMENT MARKING LINE - 12" (WHITE GORE CHEVRONS SPACED @ 30' CENTERS)      | ⑭ POLYUREA PAVEMENT MARKING TYPE 1 - 12" (WHITE GORE CHEVRONS SPACED @ 30' CENTERS)      |  |
| ⑦ THERMOPLASTIC PAVEMENT MARKING LINE - 12" (WHITE SHOULDER DIAGONALS SPACING AS INDICATED) | ⑮ POLYUREA PAVEMENT MARKING TYPE 1 - 12" (WHITE SHOULDER DIAGONALS SPACING AS INDICATED) |  |
| ⑧ THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS (WHITE)                                | ⑯ POLYUREA PAVEMENT MARKING LETTERS AND SYMBOLS (WHITE)                                  |  |



FILE NAME = ...\\D160J12-sht-spmkplan\_05.dgn

USER NAME = sadhikari  
 PLOT SCALE = 50.000' / IN.  
 PLOT DATE = 3/29/2013

DESIGNED - PWF  
 DRAWN - PWF  
 CHECKED - SA  
 DATE - 3/29/2013

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED SIGNING AND PAVEMENT MARKING PLAN  
STONY ISLAND**

SCALE: 1"=50' SHEET NO. 5 OF 16 SHEETS STA. TO STA.

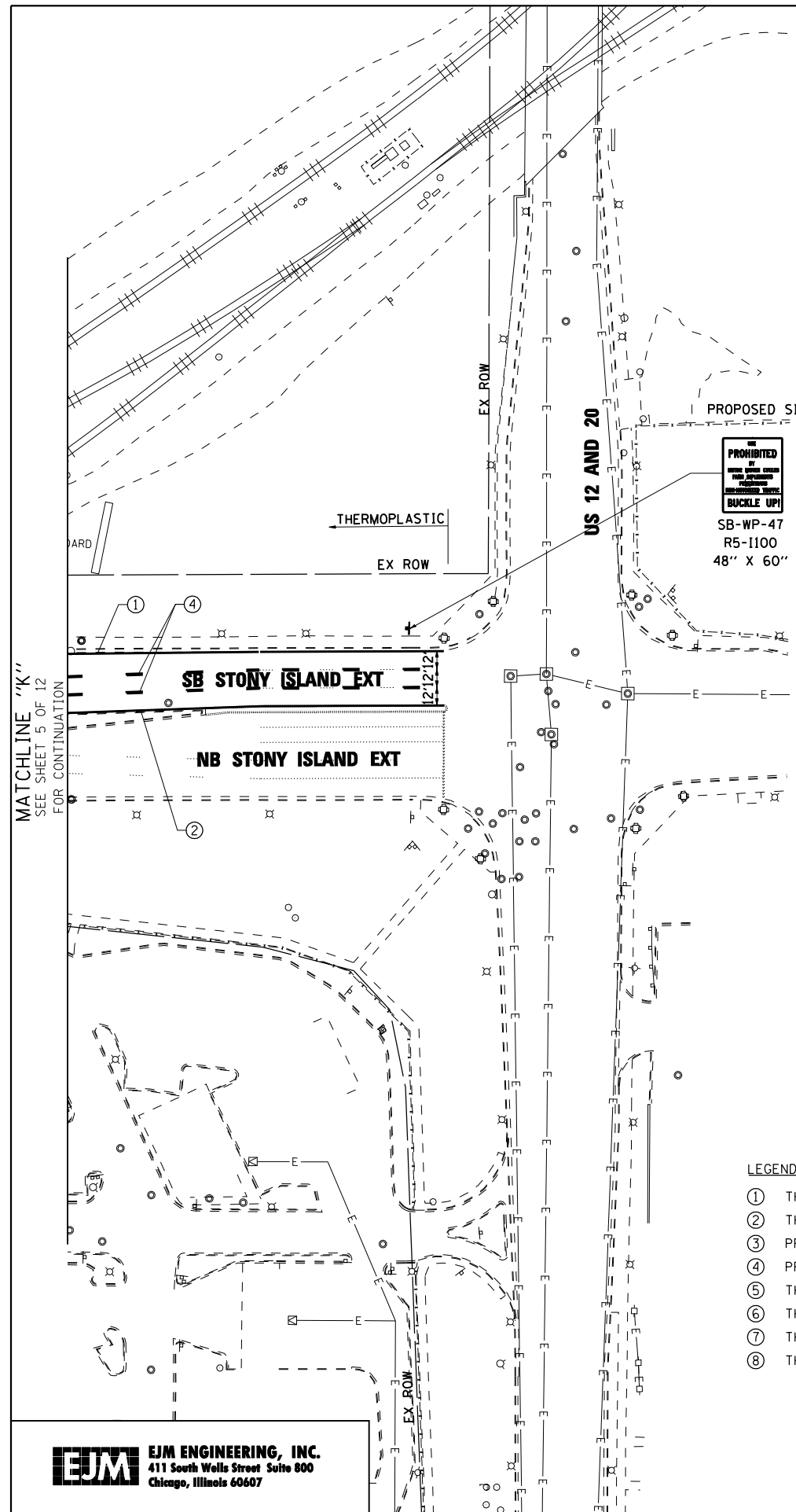
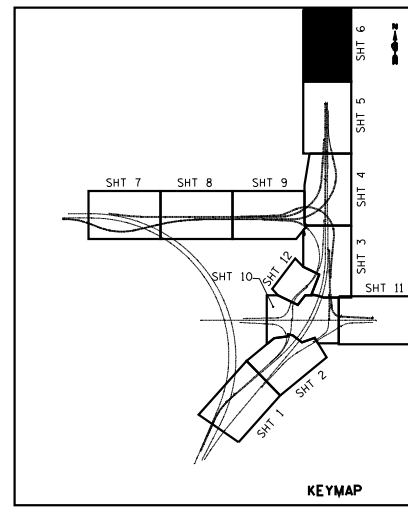
F.A.I. RTE. 94	SECTION 2012-059-BR	COUNTY COOK	TOTAL SHEETS 631	SHEET NO. 233
CONTRACT NO. 60J12			ILLINOIS FED. AID PROJECT	



MATCHLINE "J"  
SEE SHEET 4 OF 12  
FOR CONTINUATION

MATCHLINE "K"  
SEE SHEET 6 OF 12  
FOR CONTINUATION

s:\projects\3810 stony island feeder - bba\project work\cadd sheets\160J12-sht-spmkplan\_05.dgn



**NOTE:**

1. POLYUREA PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS ON PCC.
2. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED PER IDOT DISTRICT 1 STANDARD TC-12.

- LEGEND:**
- ① THERMOPLASTIC PAVEMENT MARKING LINE - 4" (WHITE EDGE LIINE)
  - ② THERMOPLASTIC PAVEMENT MARKING LINE - 4" (YELLOW EDGE LINE)
  - ③ PREFORMED PLASTIC PAVEMENT MARKING TYPE B- INLAID-LINE 4" (WHITE 2' DASH, 6' SKIP)
  - ④ PREFORMED PLASTIC PAVEMENT MARKING TYPE B- INLAID-LINE 5" (WHITE 10' DASH, 30' SKIP)
  - ⑤ THERMOPLASTIC PAVEMENT MARKING LINE - 8" (WHITE EDGE LINE)
  - ⑥ THERMOPLASTIC PAVEMENT MARKING LINE - 12" (WHITE GORE CHEVRONS SPACED @ 30' CENTERS)
  - ⑦ THERMOPLASTIC PAVEMENT MARKING LINE - 12" (WHITE SHOULDER DIAGONALS SPACING AS INDICATED)
  - ⑧ THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS (WHITE)
  - ⑨ POLYUREA PAVEMENT MARKING TYPE 1 - 4" (WHITE EDGE LIINE)
  - ⑩ POLYUREA PAVEMENT MARKING TYPE 1 - 4" (YELLOW EDGE LINE)
  - ⑪ POLYUREA PAVEMENT MARKING TYPE 1 - 4" (WHITE 2' DASH, 6' SKIP) LINE - 8" (WHITE 3' DASH, 9' SKIP)
  - ⑫ POLYUREA PAVEMENT MARKING TYPE 1 - 5" (WHITE 10' DASH, 30' SKIP)
  - ⑬ POLYUREA PAVEMENT MARKING TYPE 1 - 8" (WHITE EDGE LINE)
  - ⑭ POLYUREA PAVEMENT MARKING TYPE 1 - 12" (WHITE GORE CHEVRONS SPACED @ 30' CENTERS)
  - ⑮ POLYUREA PAVEMENT MARKING TYPE 1 - 12" (WHITE SHOULDER DIAGONALS SPACING AS INDICATED)
  - ⑯ POLYUREA PAVEMENT MARKING LETTERS AND SYMBOLS (WHITE)
  - ⑰ POLYUREA PAVEMENT MARKING TYPE 1 - 8" (WHITE 3' DASH, 9' SKIP)
  - ⑱ THERMOPLASTIC PAVEMENT MARKING LINE - 4" (WHITE 3' DASH, 9' SKIP)

**EJM ENGINEERING, INC.**  
411 South Wells Street Suite 800  
Chicago, Illinois 60607



FILE NAME = ...\\D160J12-sht-spmkpln.06.dgn	USER NAME = sathikari	DESIGNED - PWF	REVISED -
		DRAWN - PWF	REVISED -
		CHECKED - SA	REVISED -
		DATE - 3/29/2013	REVISED -

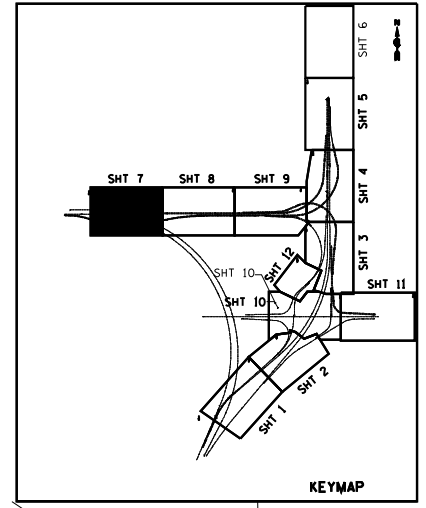
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED SIGNING AND PAVEMENT MARKING PLAN  
STONY ISLAND**

SCALE: 1"=50' SHEET NO. 6 OF 16 SHEETS STA. TO STA.

F.A.I. RTE. = 94	SECTION = 2012-059-BR	COUNTY = COOK	TOTAL SHEETS = 631	SHEET NO. = 234
CONTRACT NO. 60J12			ILLINOIS FED. AID PROJECT	

s:\projects\3810 stony island feeder - bba\project work\cadd sheets\160J12-sht-spmkpln.06.dgn



**LEGEND:**

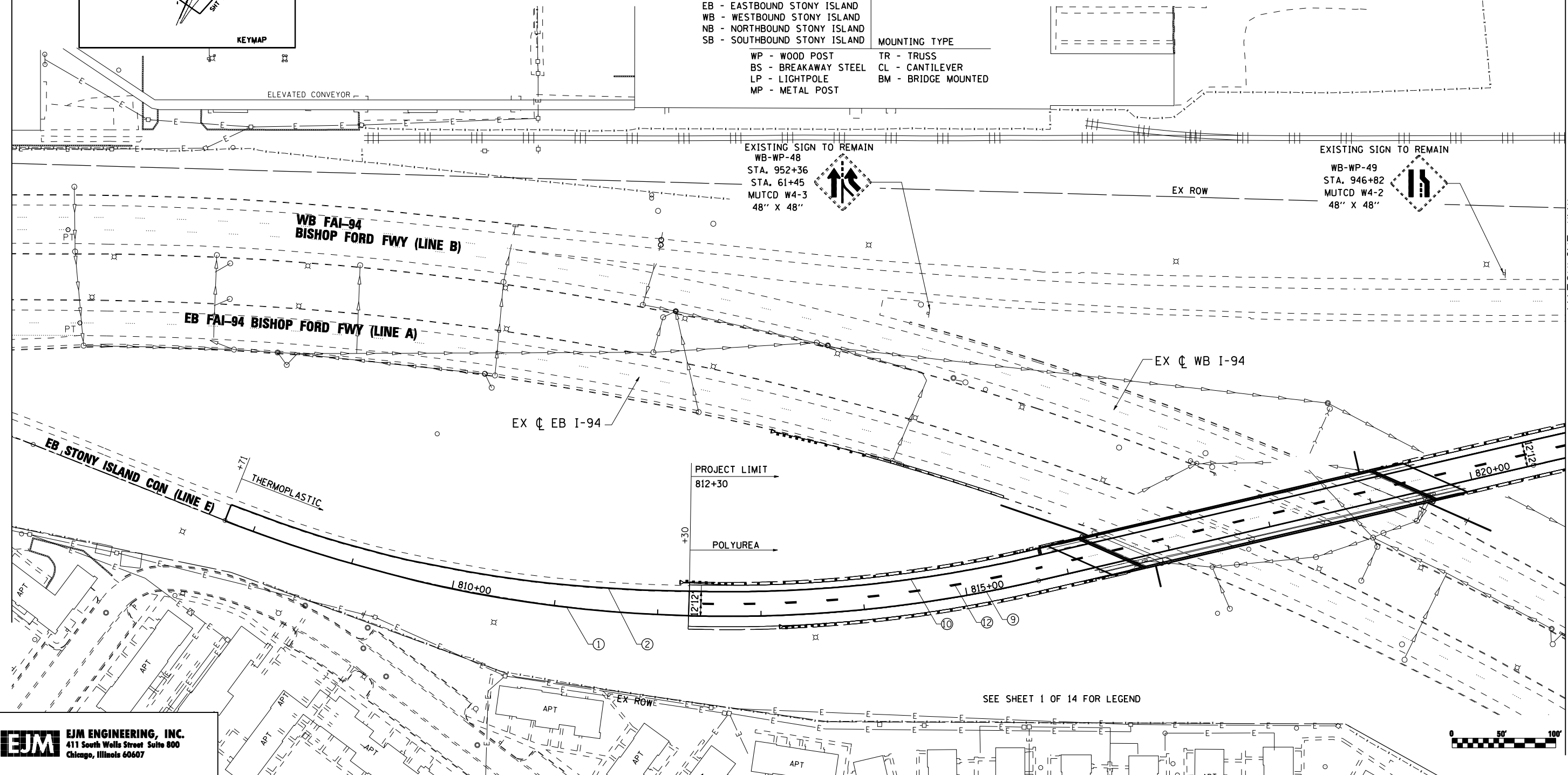
- ① THERMOPLASTIC PAVEMENT MARKING LINE - 4" (WHITE EDGE LINE)
- ② THERMOPLASTIC PAVEMENT MARKING LINE - 4" (YELLOW EDGE LINE)
- ③ PREFORMED PLASTIC PAVEMENT MARKING TYPE B- INLAID-LINE 4" (WHITE 2' DASH, 6' SKIP)
- ④ PREFORMED PLASTIC PAVEMENT MARKING TYPE B- INLAID-LINE 5" (WHITE 10' DASH, 30' SKIP)
- ⑤ THERMOPLASTIC PAVEMENT MARKING LINE - 8" (WHITE EDGE LINE)
- ⑥ THERMOPLASTIC PAVEMENT MARKING LINE - 12" (WHITE GORE CHEVRONS SPACED @ 30' CENTERS)
- ⑦ THERMOPLASTIC PAVEMENT MARKING LINE - 12" (WHITE SHOULDER DIAGONALS SPACING AS INDICATED)
- ⑧ THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS (WHITE)
- ⑨ POLYUREA PAVEMENT MARKING TYPE 1 - 4" (WHITE EDGE LINE)
- ⑩ POLYUREA PAVEMENT MARKING TYPE 1 - 4" (YELLOW EDGE LINE)
- ⑪ POLYUREA PAVEMENT MARKING TYPE 1 - 4" (WHITE 2' DASH, 6' SKIP) LINE - 8" (WHITE 3' DASH, 9' SKIP)
- ⑫ POLYUREA PAVEMENT MARKING TYPE 1 - 5" (WHITE 10' DASH, 30' SKIP)
- ⑬ POLYUREA PAVEMENT MARKING TYPE 1 - 8" (WHITE EDGE LINE)
- ⑭ POLYUREA PAVEMENT MARKING TYPE 1 - 12" (WHITE GORE CHEVRONS SPACED @ 30' CENTERS)
- ⑮ POLYUREA PAVEMENT MARKING TYPE 1 - 12" (WHITE SHOULDER DIAGONALS SPACING AS INDICATED)
- ⑯ POLYUREA PAVEMENT MARKING LETTERS AND SYMBOLS (WHITE)
- ⑰ POLYUREA PAVEMENT MARKING TYPE 1 - 8" (WHITE 3' DASH, 9' SKIP)
- ⑱ PREFORMED PLASTIC PAVEMENT MARKING TYPE B - INLAID - LINE - 8" (WHITE 3' DASH, 9' SKIP)

**NOTE:**

1. POLYUREA PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS ON PCC.
2. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED PER IDOT DISTRICT 1 STANDARD TC-12.

**GUIDE SIGN SEQUENCE NUMBERING CODE**

DIRECTION OF TRAFFIC	SIGN PANEL NUMBER	MOUNTING TYPE
EB - EASTBOUND STONY ISLAND	EB - TR - 03	
WB - WESTBOUND STONY ISLAND		
NB - NORTHBOUND STONY ISLAND		
SB - SOUTHBOUND STONY ISLAND		
WP - WOOD POST	TR - TRUSS	
BS - BREAKAWAY STEEL	CL - CANTILEVER	
LP - LIGHTPOLE	BM - BRIDGE MOUNTED	
MP - METAL POST		



MATCHLINE "M"  
SEE SHEET 8 OF 12  
FOR CONTINUATION



FILE NAME = ...\\D160J12-sht-spmkplan.07.dgn

USER NAME = sadhikari  
 PLOT SCALE = 50.000' / IN.  
 PLOT DATE = 3/29/2013

DESIGNED - PWF  
 DRAWN - PWF  
 CHECKED - SA  
 DATE - 3/29/2013

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED SIGNING AND PAVEMENT MARKING PLAN  
STONY ISLAND CONNECTOR**

SCALE: 1"=50' SHEET NO. 7 OF 16 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	235
CONTRACT NO. 60J12			ILLINOIS FED. AID PROJECT	



SEE SHEET 1 OF 14 FOR LEGEND

**LEGEND:**

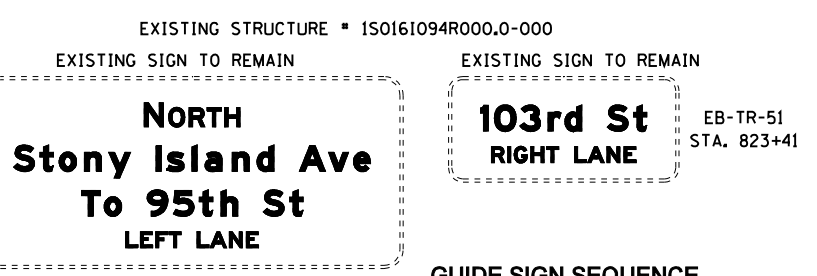
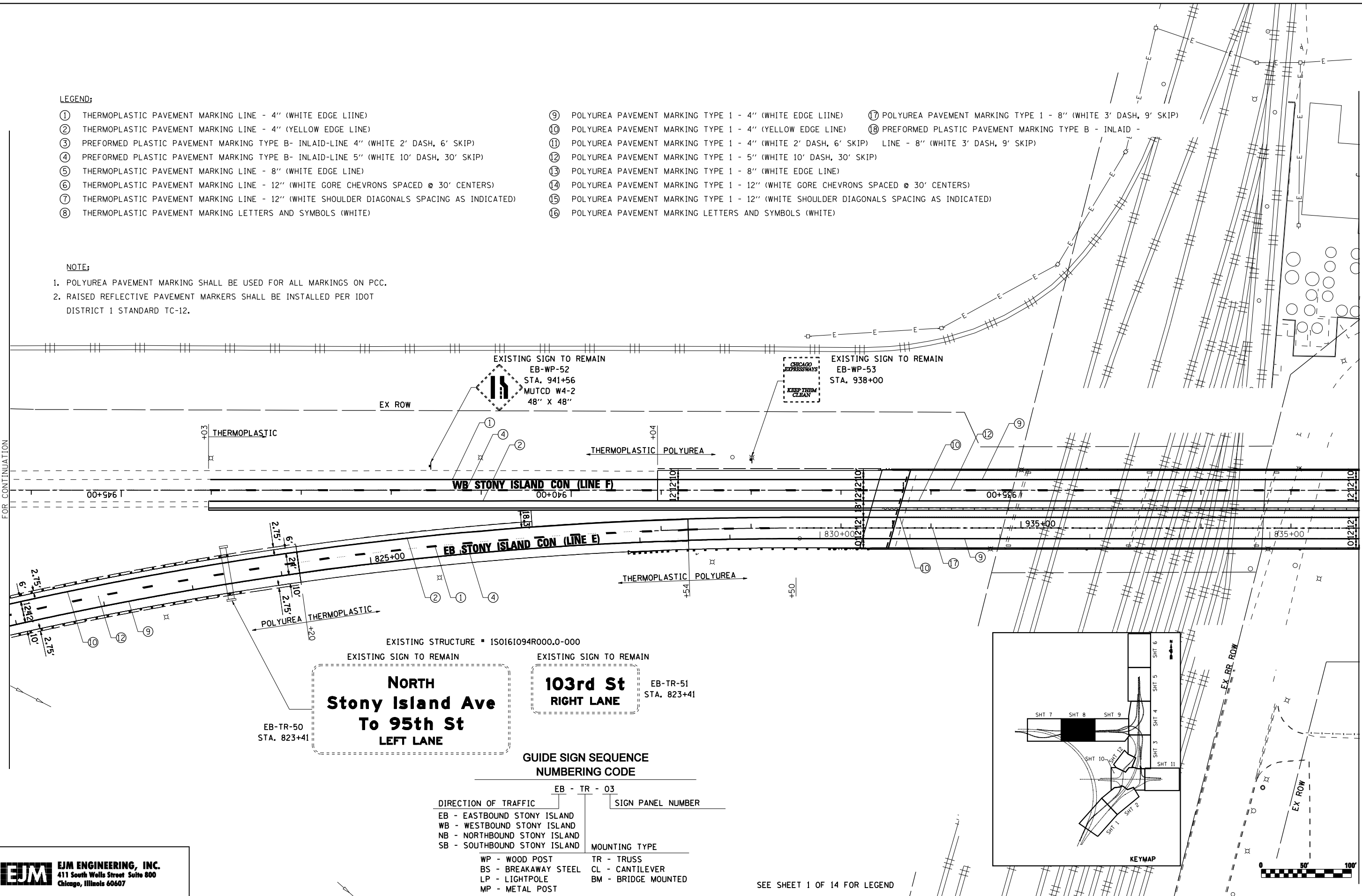
- |   |  |  |
|---|--|--|
| ① THERMOPLASTIC PAVEMENT MARKING LINE - 4" (WHITE EDGE LINE)                                | ⑨ POLYUREA PAVEMENT MARKING TYPE 1 - 4" (WHITE EDGE LINE)                                | ⑰ POLYUREA PAVEMENT MARKING TYPE 1 - 8" (WHITE 3' DASH, 9' SKIP) |
| ② THERMOPLASTIC PAVEMENT MARKING LINE - 4" (YELLOW EDGE LINE)                               | ⑩ POLYUREA PAVEMENT MARKING TYPE 1 - 4" (YELLOW EDGE LINE)                               | ⑱ PREFORMED PLASTIC PAVEMENT MARKING TYPE B - INLAID -           |
| ③ PREFORMED PLASTIC PAVEMENT MARKING TYPE B- INLAID-LINE 4" (WHITE 2' DASH, 6' SKIP)        | ⑪ POLYUREA PAVEMENT MARKING TYPE 1 - 4" (WHITE 2' DASH, 6' SKIP)                         | LINE - 8" (WHITE 3' DASH, 9' SKIP)                               |
| ④ PREFORMED PLASTIC PAVEMENT MARKING TYPE B- INLAID-LINE 5" (WHITE 10' DASH, 30' SKIP)      | ⑫ POLYUREA PAVEMENT MARKING TYPE 1 - 5" (WHITE 10' DASH, 30' SKIP)                       |  |
| ⑤ THERMOPLASTIC PAVEMENT MARKING LINE - 8" (WHITE EDGE LINE)                                | ⑬ POLYUREA PAVEMENT MARKING TYPE 1 - 8" (WHITE EDGE LINE)                                |  |
| ⑥ THERMOPLASTIC PAVEMENT MARKING LINE - 12" (WHITE GORE CHEVRONS SPACED @ 30' CENTERS)      | ⑭ POLYUREA PAVEMENT MARKING TYPE 1 - 12" (WHITE GORE CHEVRONS SPACED @ 30' CENTERS)      |  |
| ⑦ THERMOPLASTIC PAVEMENT MARKING LINE - 12" (WHITE SHOULDER DIAGONALS SPACING AS INDICATED) | ⑮ POLYUREA PAVEMENT MARKING TYPE 1 - 12" (WHITE SHOULDER DIAGONALS SPACING AS INDICATED) |  |
| ⑧ THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS (WHITE)                                | ⑯ POLYUREA PAVEMENT MARKING LETTERS AND SYMBOLS (WHITE)                                  |  |

**NOTE:**

- POLYUREA PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS ON PCC.
- RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED PER IDOT DISTRICT 1 STANDARD TC-12.

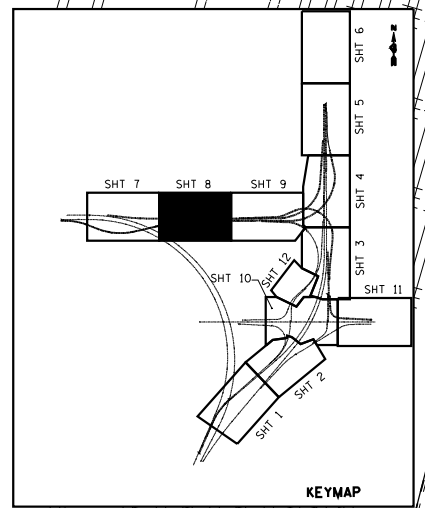
MATCHLINE "M"  
SEE SHEET 7 OF 12  
FOR CONTINUATION

MATCHLINE "N"  
SEE SHEET 9 OF 12  
FOR CONTINUATION



**GUIDE SIGN SEQUENCE NUMBERING CODE**

DIRECTION OF TRAFFIC		SIGN PANEL NUMBER	
EB - EASTBOUND STONY ISLAND	WB - WESTBOUND STONY ISLAND	EB - TR - 03	
NB - NORTHBOUND STONY ISLAND	SB - SOUTHBOUND STONY ISLAND		
MOUNTING TYPE			
WP - WOOD POST	TR - TRUSS		
BS - BREAKAWAY STEEL	CL - CANTILEVER		
LP - LIGHTPOLE	BM - BRIDGE MOUNTED		
MP - METAL POST			



SEE SHEET 1 OF 14 FOR LEGEND



FILE NAME = ...\\D160J12-sht-spmkplan_08.dgn	USER NAME = sadhikari	DESIGNED - PWF	REVISED -
PLOT SCALE = 50.000' / IN.	CHECKED - SA	DRAWN - PWF	REVISED -
PLOT DATE = 3/29/2013	DATE - 3/29/2013		REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

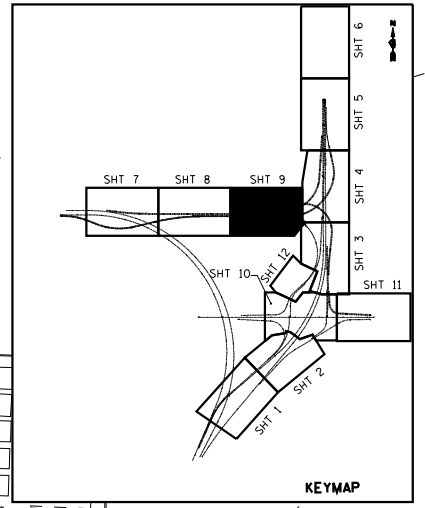
<b>PROPOSED SIGNING AND PAVEMENT MARKING PLAN</b>			
<b>STONY ISLAND CONNECTOR</b>			
SCALE: 1"=50'	SHEET NO. 8 OF 16 SHEETS	STA. TO STA.	

F.A.I. RTE. 94	SECTION 2012-059-BR	COUNTY COOK	TOTAL SHEETS 631	SHEET NO. 236
			CONTRACT NO. 60J12	
ILLINOIS FED. AID PROJECT				

s:\projects\3810 stony island feeder - bba\project work\cadd sheets\160J12-sht-spmkplan\_08.dgn

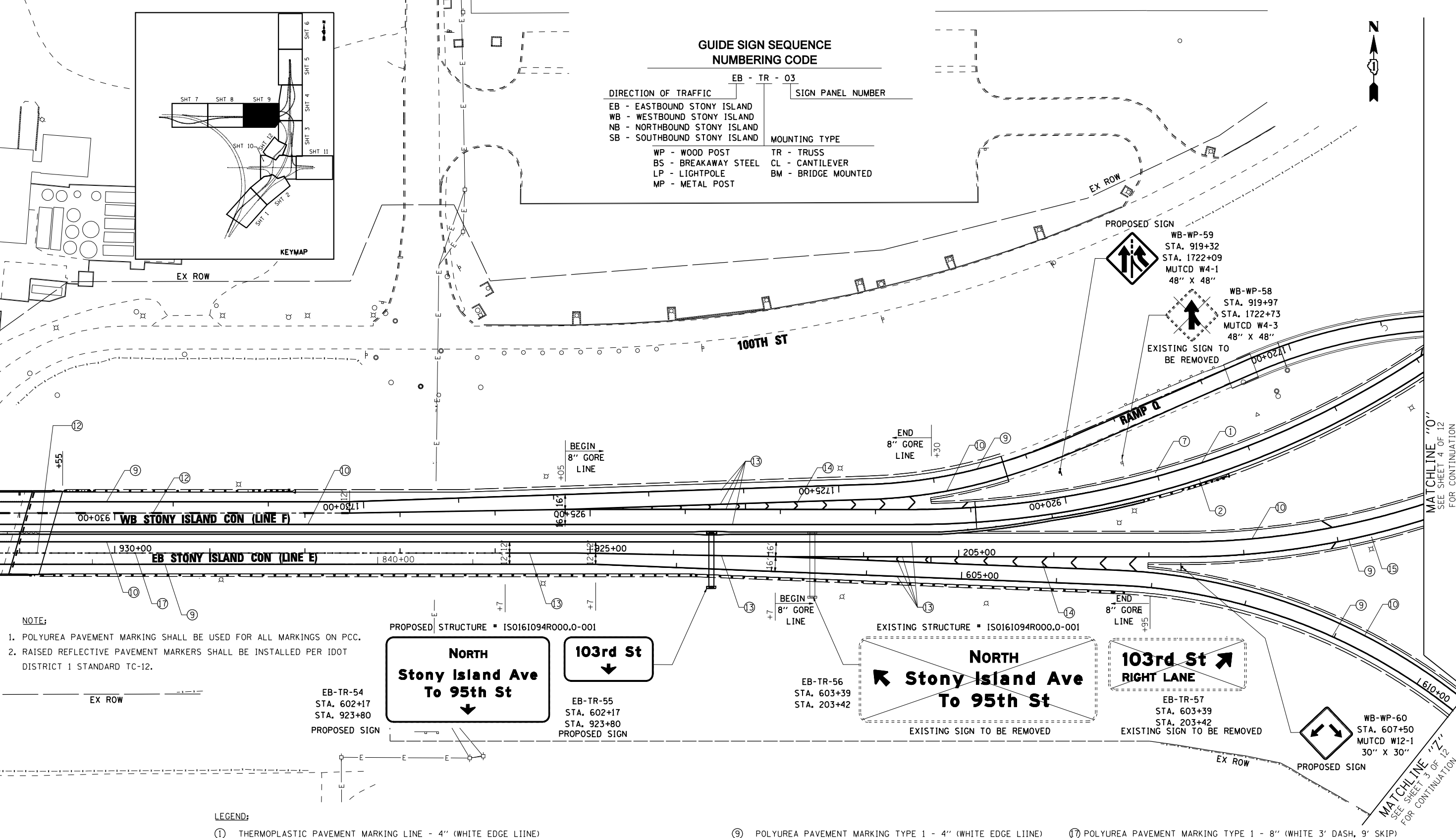
**GUIDE SIGN SEQUENCE  
NUMBERING CODE**

DIRECTION OF TRAFFIC		SIGN PANEL NUMBER	
EB - EASTBOUND STONY ISLAND	WB - WESTBOUND STONY ISLAND	EB - TR - 03	
NB - NORTHBOUND STONY ISLAND	SB - SOUTHBOUND STONY ISLAND		
MOUNTING TYPE			
WP - WOOD POST	BS - BREAKAWAY STEEL	TR - TRUSS	CL - CANTILEVER
LP - LIGHTPOLE	MP - METAL POST	BM - BRIDGE MOUNTED	



MATCHLINE "N" FOR CONTINUATION  
SEE SHEET 8 OF 12

MATCHLINE "O" FOR CONTINUATION  
SEE SHEET 4 OF 12



**NOTE:**  
1. POLYUREA PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS ON PCC.  
2. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED PER IDOT DISTRICT 1 STANDARD TC-12.

**LEGEND:**

- |   |   |   |
|---|---|---|
| ① THERMOPLASTIC PAVEMENT MARKING LINE - 4" (WHITE EDGE LINE)                                | ⑨ POLYUREA PAVEMENT MARKING TYPE 1 - 4" (WHITE EDGE LINE)                                 | ⑬ POLYUREA PAVEMENT MARKING TYPE 1 - 8" (WHITE EDGE LINE)                                 |
| ② THERMOPLASTIC PAVEMENT MARKING LINE - 4" (YELLOW EDGE LINE)                               | ⑩ POLYUREA PAVEMENT MARKING TYPE 1 - 4" (YELLOW EDGE LINE)                                | ⑭ POLYUREA PAVEMENT MARKING TYPE 1 - 12" (WHITE GORE CHEVRONS SPACED @ 30' CENTERS)       |
| ③ PREFORMED PLASTIC PAVEMENT MARKING TYPE B- INLAID-LINE 4" (WHITE 2' DASH, 6' SKIP)        | ⑪ POLYUREA PAVEMENT MARKING TYPE 1 - 4" (WHITE 2' DASH, 6' SKIP)                          | ⑮ POLYUREA PAVEMENT MARKING TYPE 1 - 12" (WHITE SHOULDER DIAGONALS SPACING AS INDICATED)  |
| ④ PREFORMED PLASTIC PAVEMENT MARKING TYPE B- INLAID-LINE 5" (WHITE 10' DASH, 30' SKIP)      | ⑫ POLYUREA PAVEMENT MARKING TYPE 1 - 5" (WHITE 10' DASH, 30' SKIP)                        | ⑯ POLYUREA PAVEMENT MARKING TYPE 1 - 12" (WHITE SHOULDER DIAGONALS SPACING AS INDICATED)  |
| ⑤ THERMOPLASTIC PAVEMENT MARKING LINE - 8" (WHITE EDGE LINE)                                | ⑬ POLYUREA PAVEMENT MARKING TYPE 1 - 8" (WHITE EDGE LINE)                                 | ⑰ POLYUREA PAVEMENT MARKING TYPE 1 - 8" (WHITE 3' DASH, 9' SKIP)                          |
| ⑥ THERMOPLASTIC PAVEMENT MARKING LINE - 12" (WHITE GORE CHEVRONS SPACED @ 30' CENTERS)      | ⑭ POLYUREA PAVEMENT MARKING TYPE 1 - 12" (WHITE GORE CHEVRONS SPACED @ 30' CENTERS)       | ⑱ PREFORMED PLASTIC PAVEMENT MARKING TYPE B - INLAID - LINE - 8" (WHITE 3' DASH, 9' SKIP) |
| ⑦ THERMOPLASTIC PAVEMENT MARKING LINE - 12" (WHITE SHOULDER DIAGONALS SPACING AS INDICATED) | ⑮ POLYUREA PAVEMENT MARKING TYPE 1 - 12" (WHITE SHOULDER DIAGONALS SPACING AS INDICATED)  |   |
| ⑧ THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS (WHITE)                                | ⑯ POLYUREA PAVEMENT MARKING TYPE 1 - 12" (WHITE SHOULDER DIAGONALS SPACING AS INDICATED)  |   |
|   | ⑰ POLYUREA PAVEMENT MARKING TYPE 1 - 8" (WHITE 3' DASH, 9' SKIP)                          |   |
|   | ⑱ PREFORMED PLASTIC PAVEMENT MARKING TYPE B - INLAID - LINE - 8" (WHITE 3' DASH, 9' SKIP) |   |



FILE NAME = ...\\D160J12-sht-spmkpln.09.dgn

USER NAME = sadhikari  
PLOT SCALE = 50.000' / IN.  
PLOT DATE = 3/29/2013

DESIGNED - PWF  
DRAWN - PWF  
CHECKED - SA  
DATE - 3/29/2013

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED SIGNING AND PAVEMENT MARKING PLAN  
STONY ISLAND CONNECTOR**

SCALE: 1"=50' SHEET NO. 9 OF 16 SHEETS STA. TO STA.

F.A.I. RTE. 94	SECTION 2012-059-BR	COUNTY COOK	TOTAL SHEETS 631	SHEET NO. 237
CONTRACT NO. 60J12			ILLINOIS FED. AID PROJECT	



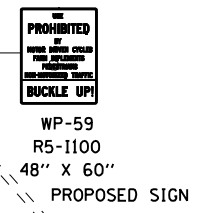
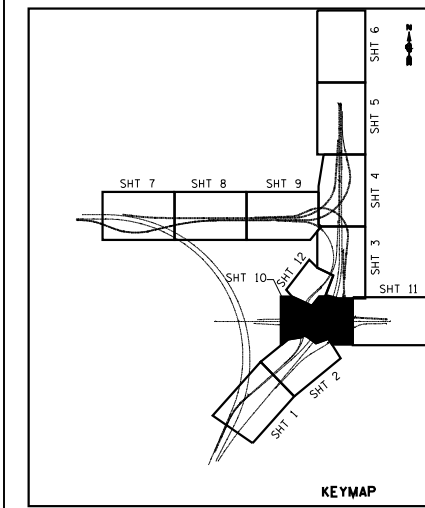
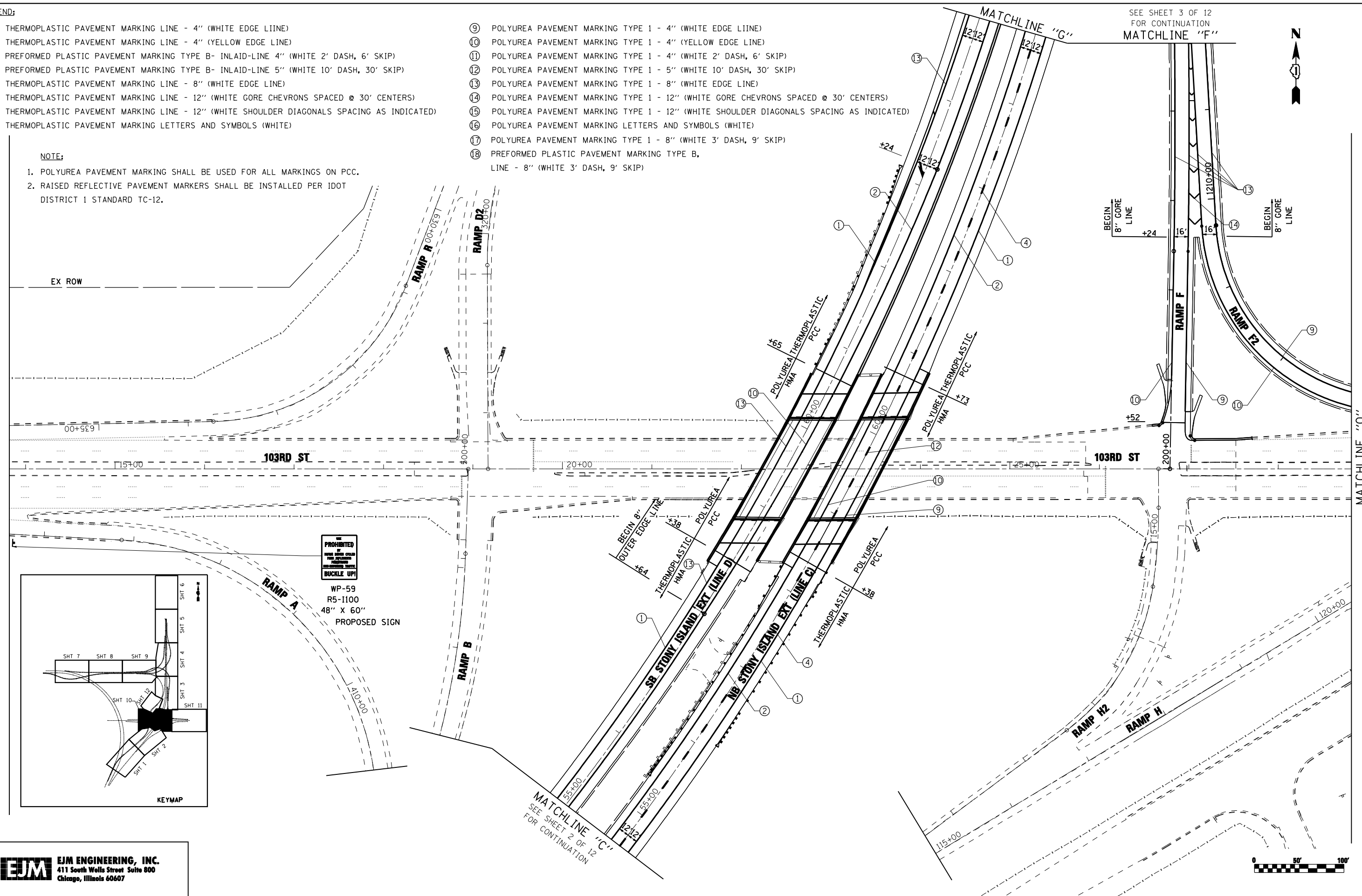
**LEGEND:**

- ① THERMOPLASTIC PAVEMENT MARKING LINE - 4" (WHITE EDGE LINE)
- ② THERMOPLASTIC PAVEMENT MARKING LINE - 4" (YELLOW EDGE LINE)
- ③ PREFORMED PLASTIC PAVEMENT MARKING TYPE B- INLAID-LINE 4" (WHITE 2' DASH, 6' SKIP)
- ④ PREFORMED PLASTIC PAVEMENT MARKING TYPE B- INLAID-LINE 5" (WHITE 10' DASH, 30' SKIP)
- ⑤ THERMOPLASTIC PAVEMENT MARKING LINE - 8" (WHITE EDGE LINE)
- ⑥ THERMOPLASTIC PAVEMENT MARKING LINE - 12" (WHITE GORE CHEVRONS SPACED @ 30' CENTERS)
- ⑦ THERMOPLASTIC PAVEMENT MARKING LINE - 12" (WHITE SHOULDER DIAGONALS SPACING AS INDICATED)
- ⑧ THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS (WHITE)

- ⑨ POLYUREA PAVEMENT MARKING TYPE 1 - 4" (WHITE EDGE LINE)
- ⑩ POLYUREA PAVEMENT MARKING TYPE 1 - 4" (YELLOW EDGE LINE)
- ⑪ POLYUREA PAVEMENT MARKING TYPE 1 - 4" (WHITE 2' DASH, 6' SKIP)
- ⑫ POLYUREA PAVEMENT MARKING TYPE 1 - 5" (WHITE 10' DASH, 30' SKIP)
- ⑬ POLYUREA PAVEMENT MARKING TYPE 1 - 8" (WHITE EDGE LINE)
- ⑭ POLYUREA PAVEMENT MARKING TYPE 1 - 12" (WHITE GORE CHEVRONS SPACED @ 30' CENTERS)
- ⑮ POLYUREA PAVEMENT MARKING TYPE 1 - 12" (WHITE SHOULDER DIAGONALS SPACING AS INDICATED)
- ⑯ POLYUREA PAVEMENT MARKING LETTERS AND SYMBOLS (WHITE)
- ⑰ POLYUREA PAVEMENT MARKING TYPE 1 - 8" (WHITE 3' DASH, 9' SKIP)
- ⑱ PREFORMED PLASTIC PAVEMENT MARKING TYPE B, LINE - 8" (WHITE 3' DASH, 9' SKIP)

**NOTE:**

1. POLYUREA PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS ON PCC.
2. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED PER IDOT DISTRICT 1 STANDARD TC-12.



**EJM ENGINEERING, INC.**  
 411 South Wells Street Suite 800  
 Chicago, Illinois 60607

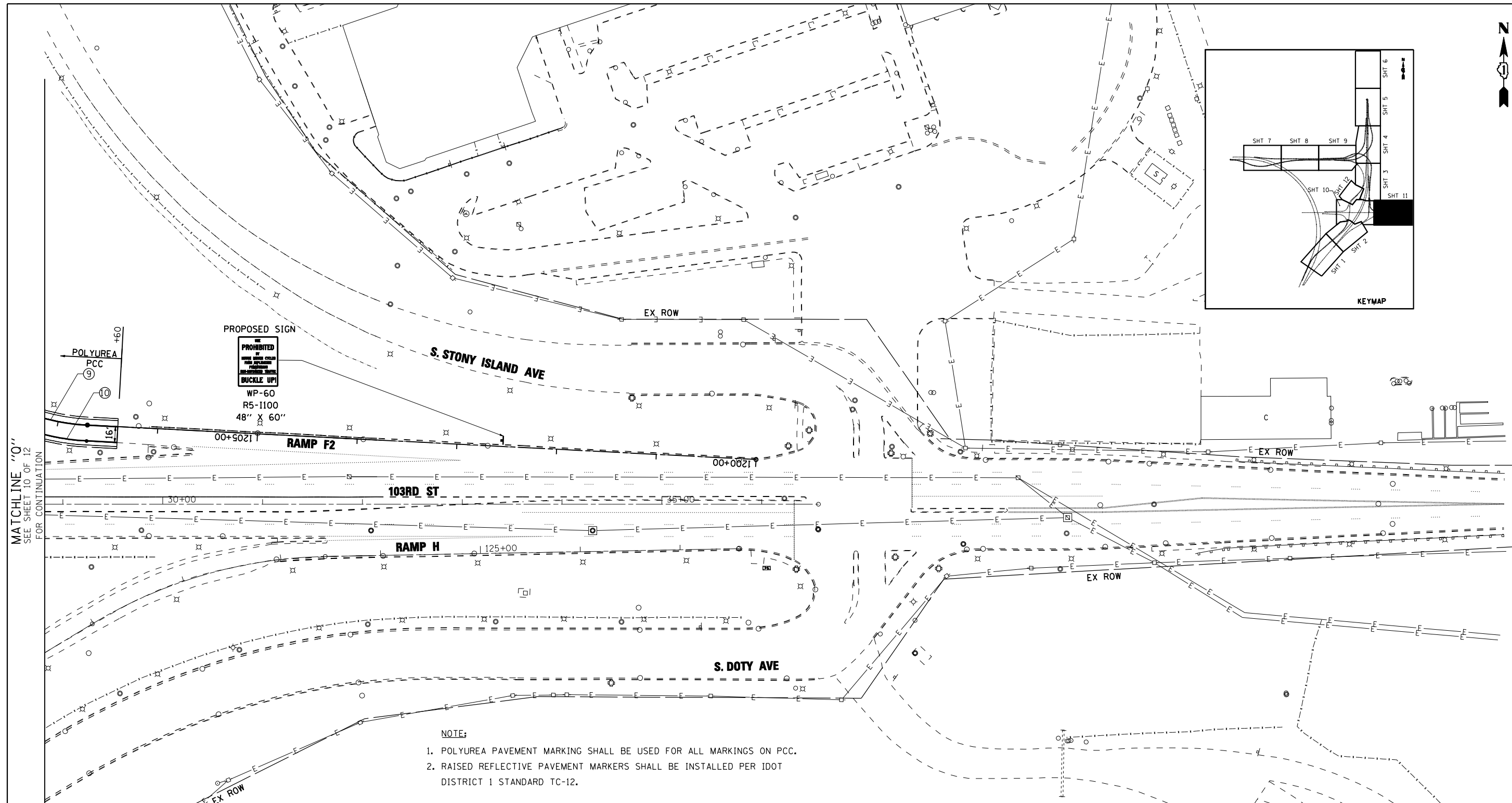
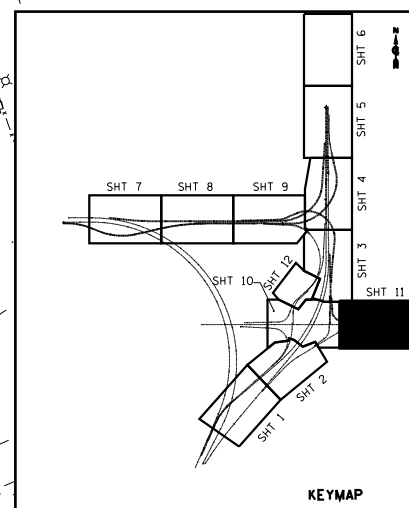
FILE NAME = ...\\D160J12-sht-spmkplan.10.dgn	USER NAME = sadhikari	DESIGNED - PWF	REVISED -
PLOT SCALE = 50.000' / IN.	CHECKED - SA	DRAWN - PWF	REVISED -
PLOT DATE = 3/29/2013	DATE - 3/29/2013		REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED SIGNING AND PAVEMENT MARKING PLAN  
 STONY ISLAND**  
 SCALE: 1"=50' SHEET NO. 10 OF 16 SHEETS STA. TO STA.

F.A.I. RTE. 94	SECTION 2012-059-BR	COUNTY COOK	TOTAL SHEETS 631	SHEET NO. 238
CONTRACT NO. 60J12			ILLINOIS FED. AID PROJECT	

MATCHLINE "G" SEE SHEET 3 OF 12 FOR CONTINUATION  
 MATCHLINE "F" SEE SHEET 11 OF 12 FOR CONTINUATION  
 MATCHLINE "Q" SEE SHEET 11 OF 12 FOR CONTINUATION  
 0 50' 100'  
 ILLINOIS FED. AID PROJECT



PROPOSED SIGN  
 PROHIBITED  
 NO  
 MOTOR VEHICLES  
 WITH  
 UNLIT  
 BUCKLE UP  
 WP-60  
 R5-1100  
 48" X 60"

**NOTE:**  
 1. POLYUREA PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS ON PCC.  
 2. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED PER IDOT DISTRICT 1 STANDARD TC-12.

- LEGEND:**
- ① THERMOPLASTIC PAVEMENT MARKING LINE - 4" (WHITE EDGE LINE)
  - ⑦ POLYUREA PAVEMENT MARKING TYPE 1 - 8" (WHITE 3' DASH, 9' SKIP)
  - ② THERMOPLASTIC PAVEMENT MARKING LINE - 4" (YELLOW EDGE LINE)
  - ⑧ PREFORMED PLASTIC PAVEMENT MARKING TYPE B - INLAID -
  - ③ PREFORMED PLASTIC PAVEMENT MARKING TYPE B- INLAID-LINE 4" (WHITE 2' DASH, 6' SKIP)
  - ④ PREFORMED PLASTIC PAVEMENT MARKING TYPE B- INLAID-LINE 5" (WHITE 10' DASH, 30' SKIP)
  - ⑤ THERMOPLASTIC PAVEMENT MARKING LINE - 8" (WHITE EDGE LINE)
  - ⑥ THERMOPLASTIC PAVEMENT MARKING LINE - 12" (WHITE GORE CHEVRONS SPACED @ 30' CENTERS)
  - ⑦ THERMOPLASTIC PAVEMENT MARKING LINE - 12" (WHITE SHOULDER DIAGONALS SPACING AS INDICATED)
  - ⑧ THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS (WHITE)
  - ⑨ POLYUREA PAVEMENT MARKING TYPE 1 - 4" (WHITE EDGE LINE)
  - ⑩ POLYUREA PAVEMENT MARKING TYPE 1 - 4" (YELLOW EDGE LINE)
  - ⑪ POLYUREA PAVEMENT MARKING TYPE 1 - 4" (WHITE 2' DASH, 6' SKIP)
  - ⑫ POLYUREA PAVEMENT MARKING TYPE 1 - 5" (WHITE 10' DASH, 30' SKIP)
  - ⑬ POLYUREA PAVEMENT MARKING TYPE 1 - 8" (WHITE EDGE LINE)
  - ⑭ POLYUREA PAVEMENT MARKING TYPE 1 - 12" (WHITE GORE CHEVRONS SPACED @ 30' CENTERS)
  - ⑮ POLYUREA PAVEMENT MARKING TYPE 1 - 12" (WHITE SHOULDER DIAGONALS SPACING AS INDICATED)
  - ⑯ POLYUREA PAVEMENT MARKING LETTERS AND SYMBOLS (WHITE)

**EJM ENGINEERING, INC.**  
 411 South Wells Street Suite 800  
 Chicago, Illinois 60607



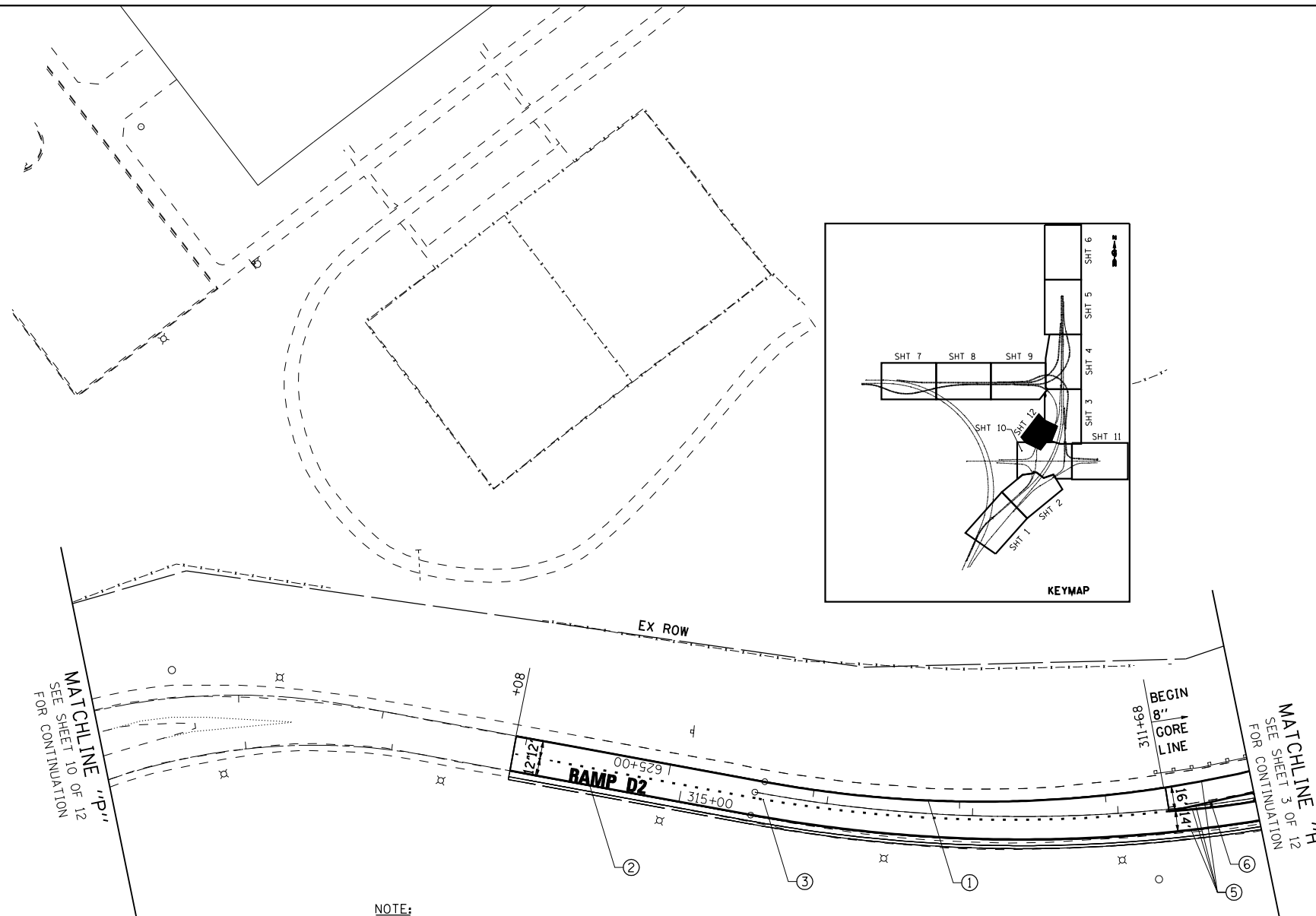
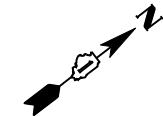
FILE NAME =	USER NAME = sadhikari	DESIGNED - PWF	REVISED -
...\\D160J12-sht-spmkplan.11.dgn		DRAWN - PWF	REVISED -
		CHECKED - SA	REVISED -
		DATE - 3/29/2013	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>PROPOSED SIGNING AND PAVEMENT MARKING PLAN</b>			
<b>STONY ISLAND</b>			
SCALE: 1"=50'	SHEET NO. 11 OF 16 SHEETS	STA.	TO STA.

F.A.I. RTE. 94	SECTION 2012-059-BR	COUNTY COOK	TOTAL SHEETS 631	SHEET NO. 239
CONTRACT NO. 60J12				ILLINOIS FED. AID PROJECT

s:\projects\3810 stony island feeder - bba\project work\cadd sheets\160J12-sht-spmkplan-11.dgn



**NOTE:**  
 1. POLYUREA PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS ON PCC.  
 2. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED PER IDOT DISTRICT 1 STANDARD TC-12.

**LEGEND:**

- |   |  |  |
|---|--|--|
| ① THERMOPLASTIC PAVEMENT MARKING LINE - 4" (WHITE EDGE LINE)                                | ⑨ POLYUREA PAVEMENT MARKING TYPE 1 - 4" (WHITE EDGE LINE)                                | ⑰ POLYUREA PAVEMENT MARKING TYPE 1 - 8" (WHITE 3' DASH, 9' SKIP) |
| ② THERMOPLASTIC PAVEMENT MARKING LINE - 4" (YELLOW EDGE LINE)                               | ⑩ POLYUREA PAVEMENT MARKING TYPE 1 - 4" (YELLOW EDGE LINE)                               | ⑱ PREFORMED PLASTIC PAVEMENT MARKING TYPE B - INLAID -           |
| ③ PREFORMED PLASTIC PAVEMENT MARKING TYPE B- INLAID-LINE 4" (WHITE 2' DASH, 6' SKIP)        | ⑪ POLYUREA PAVEMENT MARKING TYPE 1 - 4" (WHITE 2' DASH, 6' SKIP)                         | LINE - 8" (WHITE 3' DASH, 9' SKIP)                               |
| ④ PREFORMED PLASTIC PAVEMENT MARKING TYPE B- INLAID-LINE 5" (WHITE 10' DASH, 30' SKIP)      | ⑫ POLYUREA PAVEMENT MARKING TYPE 1 - 5" (WHITE 10' DASH, 30' SKIP)                       |  |
| ⑤ THERMOPLASTIC PAVEMENT MARKING LINE - 8" (WHITE EDGE LINE)                                | ⑬ POLYUREA PAVEMENT MARKING TYPE 1 - 8" (WHITE EDGE LINE)                                |  |
| ⑥ THERMOPLASTIC PAVEMENT MARKING LINE - 12" (WHITE GORE CHEVRONS SPACED @ 30' CENTERS)      | ⑭ POLYUREA PAVEMENT MARKING TYPE 1 - 12" (WHITE GORE CHEVRONS SPACED @ 30' CENTERS)      |  |
| ⑦ THERMOPLASTIC PAVEMENT MARKING LINE - 12" (WHITE SHOULDER DIAGONALS SPACING AS INDICATED) | ⑮ POLYUREA PAVEMENT MARKING TYPE 1 - 12" (WHITE SHOULDER DIAGONALS SPACING AS INDICATED) |  |
| ⑧ THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS (WHITE)                                | ⑯ POLYUREA PAVEMENT MARKING LETTERS AND SYMBOLS (WHITE)                                  |  |

**EJM** **EJM ENGINEERING, INC.**  
 411 South Wells Street Suite 800  
 Chicago, Illinois 60607

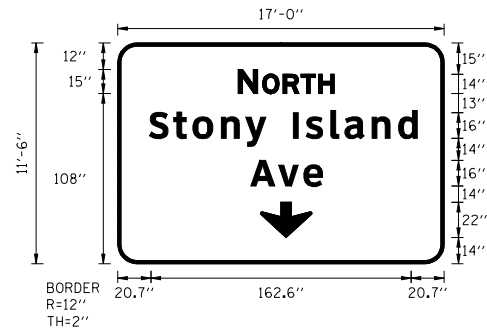


FILE NAME = ...\\D160J12-sht-spmkplan.12.dgn	USER NAME = sadhikari	DESIGNED - PWF	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED SIGNING AND PAVEMENT MARKING PLANS STONY ISLAND</b>			F.A.I. RTE. = 94	SECTION = 2012-059-BR	COUNTY = COOK	TOTAL SHEETS = 631	SHEET NO. = 240
	PLOT SCALE = 50.000' / IN.	CHECKED - SA	REVISED -					SCALE: 1"=50'	SHEET NO. 12 OF 16 SHEETS	STA. TO STA.	CONTRACT NO. 60J12	
PLOT DATE = 3/29/2013	DATE = 3/29/2013	REVISED -	REVISED -									

s:\projects\3810 stony island feeder - bba\project work\cadd sheets\D160J12-sht-spmkplan.12.dgn



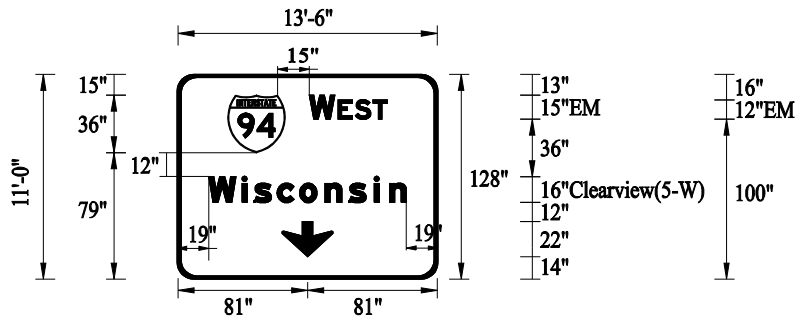




SIGN NUMBER	12
WIDTH x HGHT.	17'-0" x 11'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective (ZZ) COLOR: Green
LEGEND/BORDER	TYPE: Reflective (ZZ) COLOR: WHITE /WHITE

SYMBOL	ROT	X	Y	WID	HT
AR1DOWN	0	89.2	16.5	32.1	22

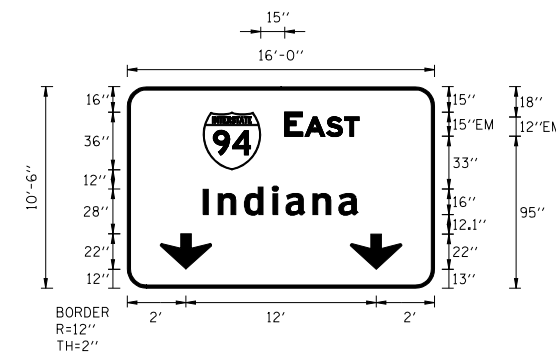
LETTER POSITIONS (X)											LENGTH	SERIES/SIZE	
N	O	R	T	H								E(mod)	
75.3	90.6	103.4	114.5	125.5								60	15,12
S	t	o	n	y									Clearview Hwy 5-W
20.7	37	49	64.9	80.1	93.7	109.7	116.6	132.1	140.2	157.2	172.7	162.6	16/12
A	v	e											Clearview Hwy 5-W
83.1	101.3	116.8										44.3	16/12



SIGN NUMBER	13
WIDTH x HGHT.	13'-6" x 11'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective (ZZ) COLOR: Green
LEGEND/BORDER	TYPE: Reflective (ZZ) COLOR: White

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	31.1	71	36	36
AR1DOWN	0	62.4	14	31.8	22

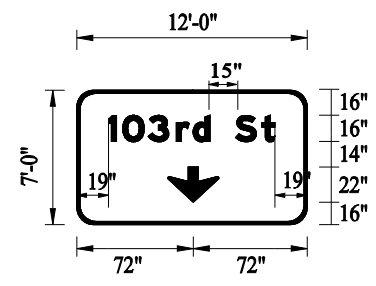
LETTER POSITIONS (X)											LENGTH	SERIES/SIZE	
W	E	S	T									E(mod)	
82.1	100.2	110.9	121.9									48.8	15,12
W	i	s	c	o	n	s	i	n					Clearview (5-W)
19	40	47.9	62	76	91.9	107.1	122.6	132.2				123.5	16/12



SIGN NUMBER	29, 37
WIDTH x HGHT.	16'-0" x 10'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective (ZZ) COLOR: Green
LEGEND/BORDER	TYPE: Reflective (ZZ) COLOR: WHITE /WHITE

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	47.3	74	36	36
AR1DOWN	0	20.6	12	32.1	22
AR2DOWN	0	139.4	11.9	32.1	22

LETTER POSITIONS (X)											LENGTH	SERIES/SIZE	
E	A	S	T									E(mod)	
98.3	111.1	124.7	135.7									46.4	15,12
I	n	d	I	a	n	a							Clearview Hwy 5-W
47.3	66	71.5	88.4	98.6	113.6	129.1						92.3	16/12



SIGN NUMBER	55
WIDTH x HGHT.	12'-0" x 7'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective (ZZ) COLOR: Green
LEGEND/BORDER	TYPE: Reflective (ZZ) COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
AR1DOWN	0	56.9	14	31.9	22

LETTER POSITIONS (X)											LENGTH	SERIES/SIZE	
1	0	3										E(mod)	
19	29.8	47.1										39.94	16/12
			r	d	S	t							Clearview(5-W)
			66	76.3	100	117.2						65.1	16/12



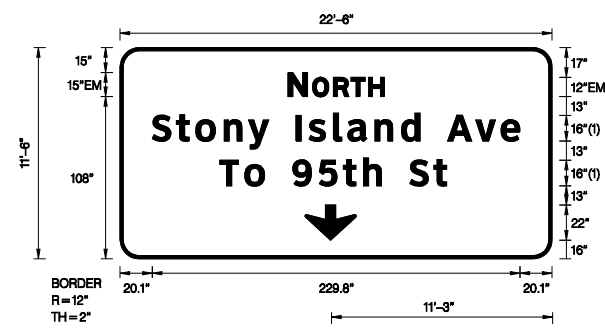
FILE NAME =	USER NAME = sadhikari	DESIGNED = PWF	REVISED =
...\\D160J12-sht-spmksign.det_01.dgn		DRAWN = PWF	REVISED =
		CHECKED = SA	REVISED =
		DATE = 3/29/2013	REVISED =

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>OVERHEAD SIGN DETAILS</b>			
SCALE:	SHEET NO. 14 OF 16 SHEETS	STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	242
CONTRACT NO. 60J12				
ILLINOIS FED. AID PROJECT				

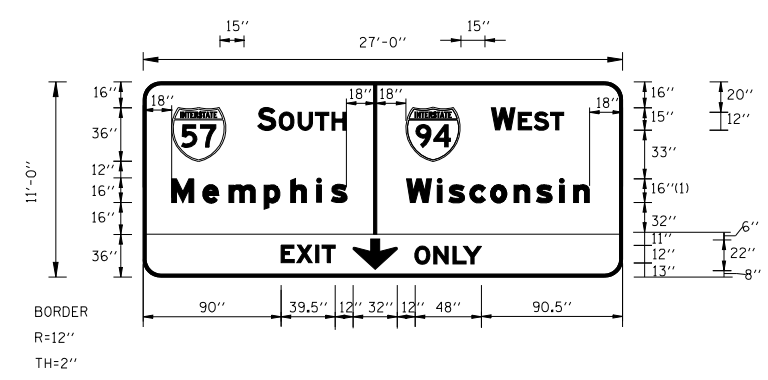
s:\projects\3810 stony island feeder - bba\project work\cadd sheets\160J12-sht-spmksign-det\_01.dgn



SIGN NUMBER	54
WIDTH x HIGHT.	22'-6" x 11'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective (ZZ type) COLOR: Green
LEGEND/BORDER	TYPE: Reflective (ZZ type) COLOR: WHITE /WHITE

SYMBOL	ROT	X	Y	WID	HT
AR_Type A	225	18.2	37.6	22	35.6

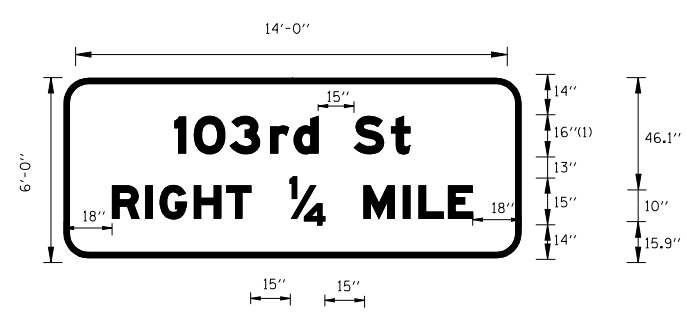
LETTER POSITIONS (X)															LENGTH	SERIESIZE		
N	O	R	T	H												60.1	E(Mod) 15,12	
105	120.3	133.3	144.3	155.3													Clearview Hwy-5-W	
S	t	o	n	y		l	s	a	n	d		A	v	e		229.8	1613	
20.1	35.2	47.3	65.1	80.3	92.9	110	118.1	133.4	142.3	159.3	175.9	187.5	204.8	222.4	238.1			
																	28.1	E(Mod) 16
																		Clearview Hwy-5-W
																		1612
T	o					t	h			S	t							
62.4	78.6					136.1	149.6			176.1	192.4							



SIGN NUMBER	38
WIDTH x HIGHT.	27'-0" x 11'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective (ZZ type) COLOR: Green
LEGEND/BORDER	TYPE: Reflective (ZZ type) COLOR: Black/White

SYMBOL	ROT	X	Y	WID	HT
MI_1	0	19.6	78.5	36	36
MI_1	0	178.4	78.5	36	36
ARDOWN	0	66.4	8.7	32	22

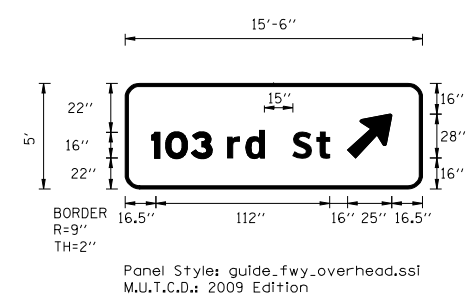
LETTER POSITIONS (X)															LENGTH	SERIESIZE		
S	O	U	T	H		W	E	S	T									E(mod) 15,12
78	91.1	104.9	116.5	127.5		235.4	253.5	264.8	275.3									Clearview Hwy 5-W
M	E	M	P	H	I	S		W	I	S	C	O	N	S	I	N		16
18	39.6	57.8	82.3	100.8	118.9	129.8		178.1	199.5	207.9	222.6	237.2	253.5	270.0	285.6	296.8		
E	X	I	T			O	N	L	Y									E(mod) 12
90	101.9	114.7	120.4			183.5	196.5	209.3	216.5									



SIGN NUMBER	35
WIDTH x HIGHT.	14'-0" x 6'-0"
BORDER WIDTH	2"
CORNER RADIUS	9"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective (ZZ type) COLOR: Green
LEGEND/BORDER	TYPE: Reflective (ZZ type) COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

LETTER POSITIONS (X)															LENGTH	SERIESIZE		
1	0	3																E(mod) 16
31	41.8	59.1																Clearview 5-W
																		1612
R	I	G	H	T	1	/	4	M	I	L	E							E(mod) 10
18	28.8	33.9	45.1	55.5	77.8	77.8	88.7	114.7	127.8	133.2	142.7							



SIGN NUMBER	30
WIDTH x HIGHT.	15'-6" x 6'-0"
BORDER WIDTH	2"
CORNER RADIUS	9"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective (ZZ Type) COLOR: Green
LEGEND/BORDER	TYPE: Reflective (ZZ Type) COLOR: WHITE /WHITE

SYMBOL	ROT	X	Y	WID	HT
AR_Type A	315	139.2	19.3	22.2	34.9

LETTER POSITIONS (X)															LENGTH	SERIESIZE		
1	0	3																E(Mod) 16
16.5	25.4	42.1																Clearview Hwy 5-W
																		1612



FILE NAME =	USER NAME = sadhikari	DESIGNED = PWF	REVISED =
...\\D160J12-sht-spmksign-det_02.dgn		DRAWN = PWF	REVISED =
	PLOT SCALE = 50.000"/ IN.	CHECKED = SA	REVISED =
	PLOT DATE = 5/2/2013	DATE = 3/29/2013	REVISED =

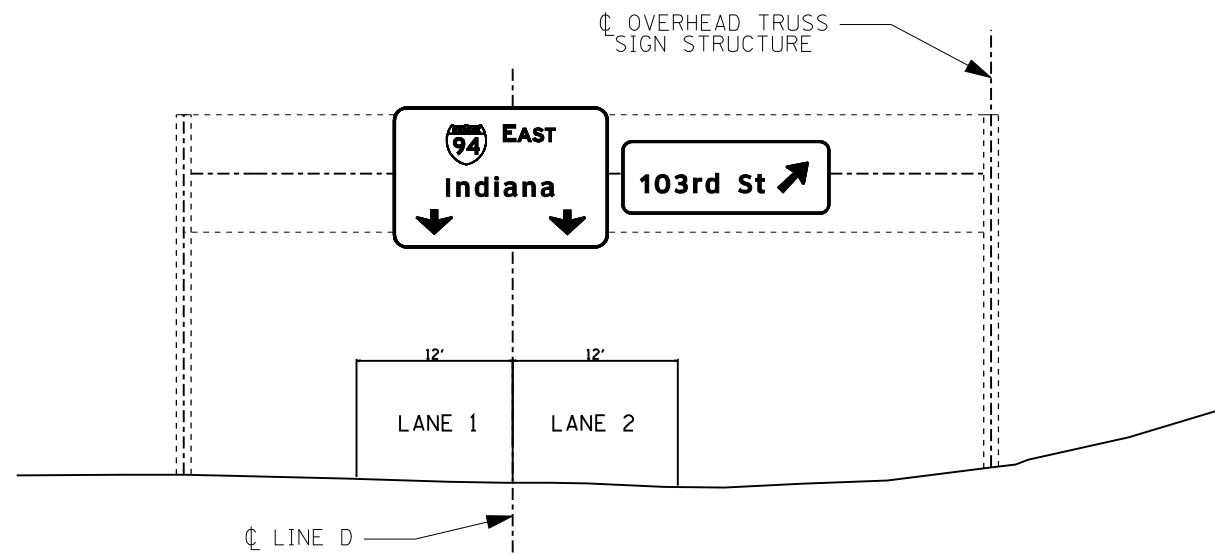
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN DETAILS

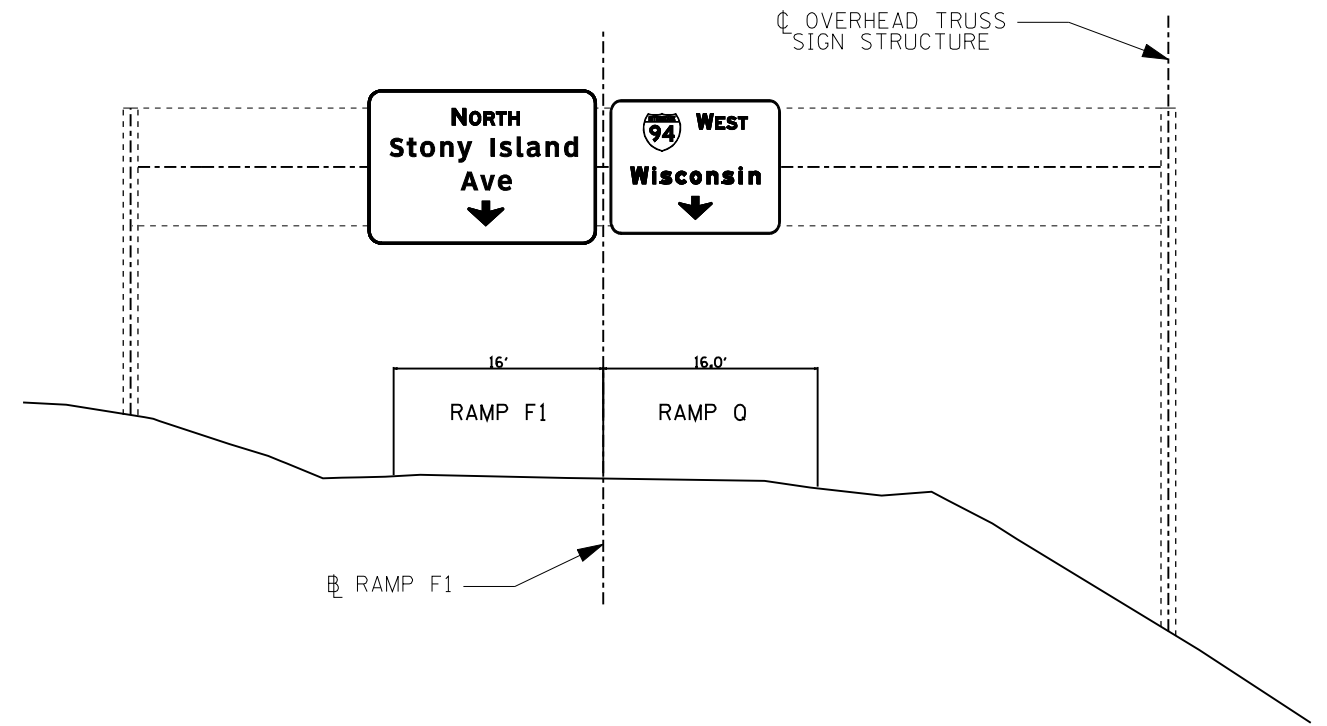
SCALE:	SHEET NO. 15 OF 16 SHEETS	STA.	TO STA.
--------	---------------------------	------	---------

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	243
CONTRACT NO. 60J12			ILLINOIS FED. AID PROJECT	

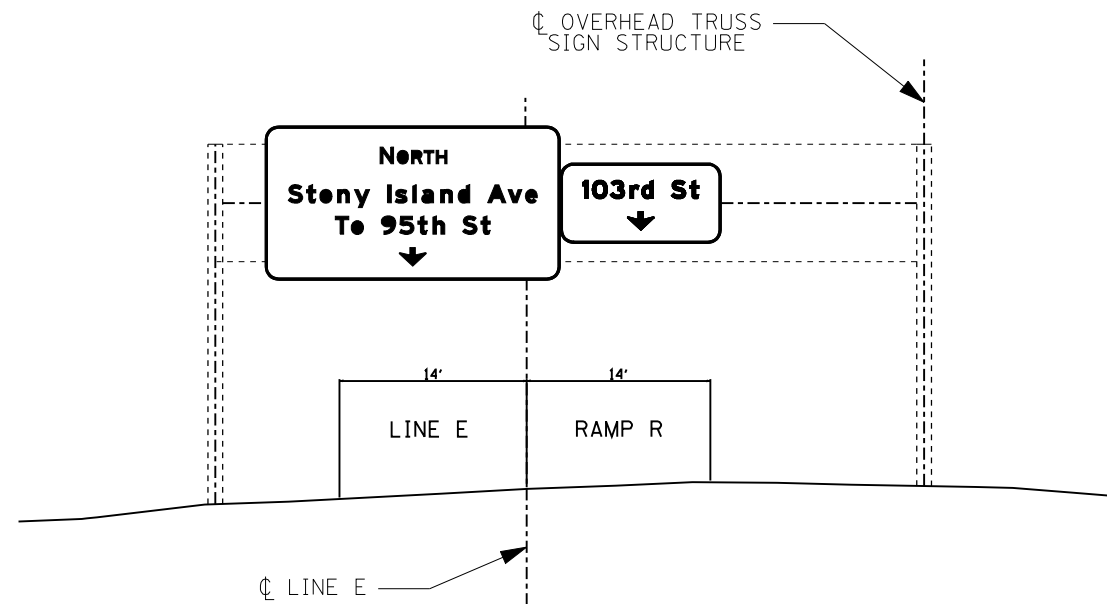
s:\projects\3810 stony island feeder - bba\project work\cadd sheets\160J12-sht-spmksign-det\_02.dgn



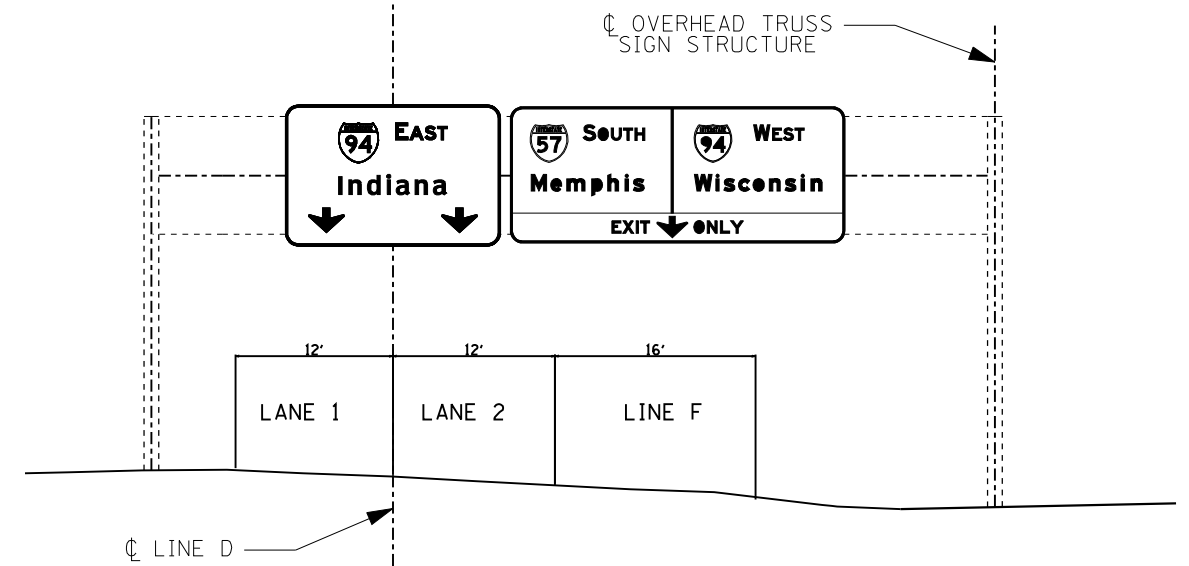
SIGN PANELS FOR PROPOSED TRUSS NEAR STA 79+80 FOR SB STONY ISLAND



SIGN PANELS FOR PROPOSED TRUSS NEAR STA 2208+36 FOR NB RAMP F1



SIGN PANELS FOR PROPOSED TRUSS NEAR STA 923+80 FOR EB LINE E



SIGN PANELS FOR PROPOSED TRUSS NEAR STA 97+50 FOR SB STONY ISLAND

**NOTES:**

1. CENTER PROPOSED SIGN PANELS VERTICALLY ON EXISTING TRUSS, CANTILEVER, OR BRIDGE STRUCTURE UNLESS DOING SO INTERFERES WITH MINIMUM CLEARANCES (17'-3" MIN).
2. SEE STRUCTURE PLANS FOR TRUSS DETAILS



FILE NAME =	USER NAME = sathikari	DESIGNED - PWF	REVISED -
...\\D160J12-sht-spmksign-xsec.01.dgn		DRAWN - PWF	REVISED -
		CHECKED - SA	REVISED -
		DATE - 3/29/2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIGN TRUSS CROSS SECTIONS**

SCALE: N.T.S. SHEET NO. 16 OF 16 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	244
CONTRACT NO. 60J12			ILLINOIS FED. AID PROJECT	

s:\projects\3810 stony island feeder - bba\project work\cadd sheets\160J12-sht-spmksign-xsec.01.dgn

**GENERAL NOTES**

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

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

LOADING: 90 M.P.H. WIND VELOCITY

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

DESIGN STRESSES:  
Field Units  
f<sub>c</sub> = 3,500 p.s.i.  
f<sub>y</sub> = 60,000 p.s.i. (reinforcement)

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

MATERIALS: Aluminum Alloys as shown throughout plans. All Structural Steel Pipe shall be ASTM A53 Grade B or A500 Grade B or C. If A500 pipe is substituted for A53, then the outside diameter shall be as detailed and wall thickness greater than or equal to A53. All Structural Steel Plates and Shapes shall conform to AASHTO M270 Gr. 36, Gr. 50 or Gr. 50W\*. Stainless steel for shims, sleeves and handhole covers shall be ASTM A240, Type 302 or 304, or another alloy suitable for exterior exposure and acceptable to the Engineer.

The steel pipe and stiffening ribs at the base plate for the column shall have a minimum longitudinal Charpy V-Notch (CVN) energy of 15 lb.-ft. at 40° F. (Zone 2) before galvanizing.

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

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

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

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

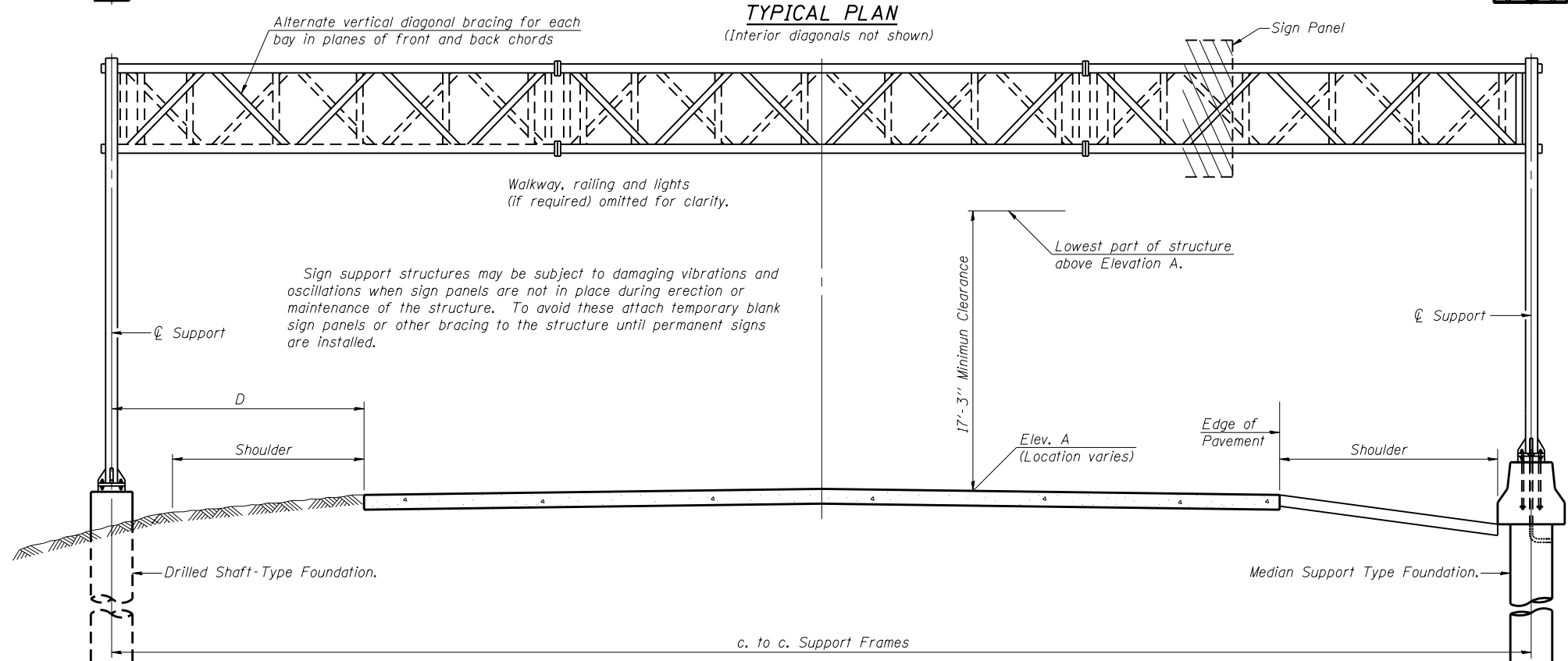
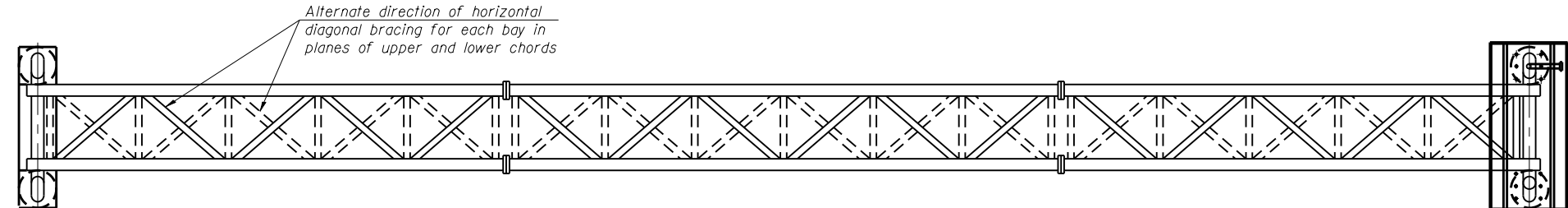
CONCRETE SURFACES: All concrete surfaces above an elevation 6" below the lowest final ground line at each foundation shall be cleaned and coated with Bridge Seal Sealer in accordance with the Standard Specifications.

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

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

**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Overhead Sign Structure - Span, Type I-A (4'-0" X 4'-6")	Foot	264
Drilled Shaft Concrete Foundations	Cu. Yds.	91.5



**TYPICAL ELEVATION**

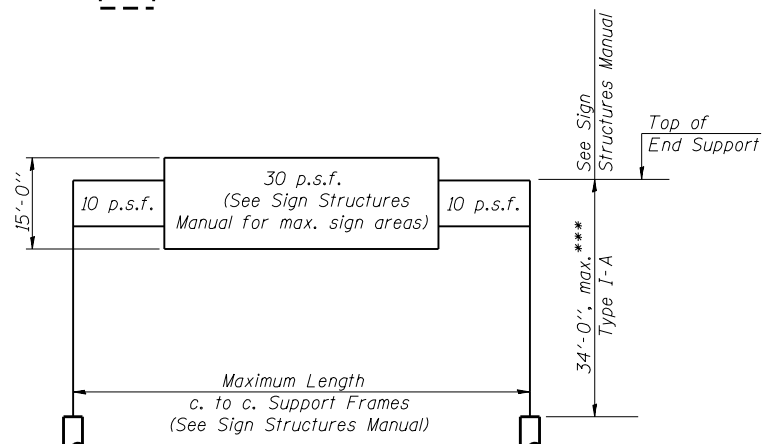
(Looking at Face of Signs)\*\*

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

Structure Number	Station	Design Truss Type	c. to c. Supports	Elev. A	Dim. D (West/North of Road ℄)	Dim. D (East/South of Road ℄)	Height of Tallest Sign	Total Sign Area
ISO16I094L000.0-001	2208+36	I-A	60'-0"	596.345	14'-2"	13'-11"	11'-6"	344
ISO16I094R000.0-002	79+80	I-A	72'-0"	587.19	16'-10"	13'-0 1/2"	10'-6"	246
ISO16I094R000.0-002	97+50	I-A	72'-0"	585.538	26'-1"	6'-0 1/2"	11'-0"	465
ISO16I094R000.0-001	602+17	I-A	60'-0"	613.92	9'-6"	21'-8"	11'-6"	343

\*\*Looking upstation for structures with signs both sides.

- \* If M270 Gr. 50W (M222) steel is proposed, chemistry for plate to be used shall first be approved by the Engineer as suitable for galvanizing and welding.
- \*\*\* Use 10" φ x 0.365" wall thickness for supports in order to allow for support heights greater than 31'-0".



**DESIGN WIND LOADING DIAGRAM**

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

2/12/25 PM

S:\1072\_05\_CADD\Structures\CADD\_Sign\_Structures\SignStructures-60.112-001-CFD02.dgn-2013

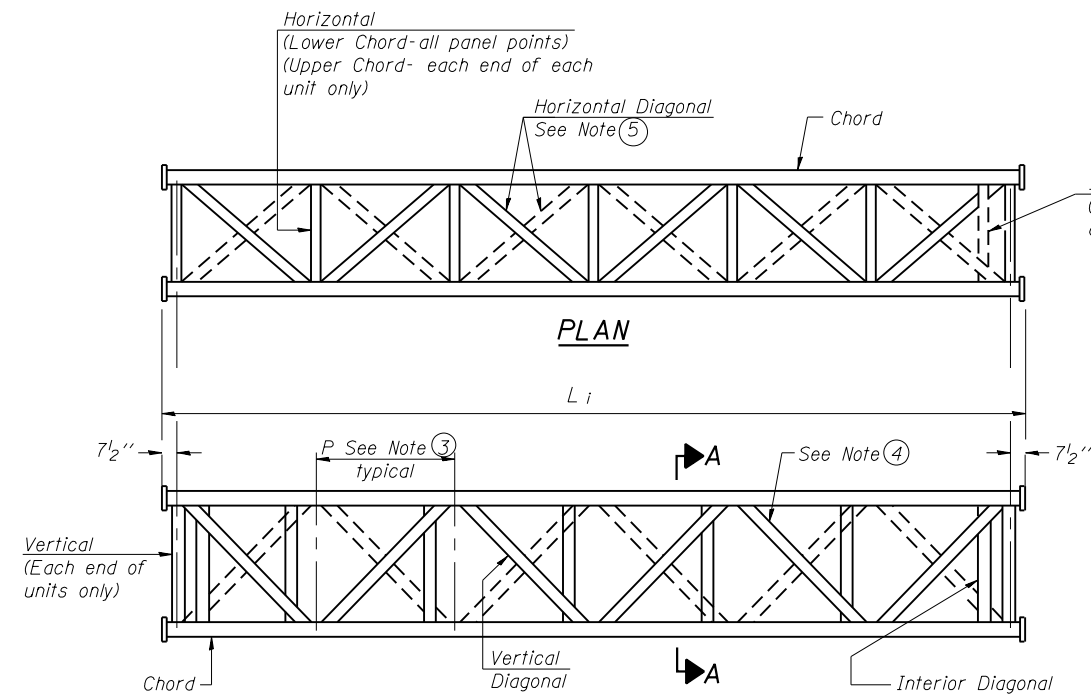
OS-A-1

6-1-12

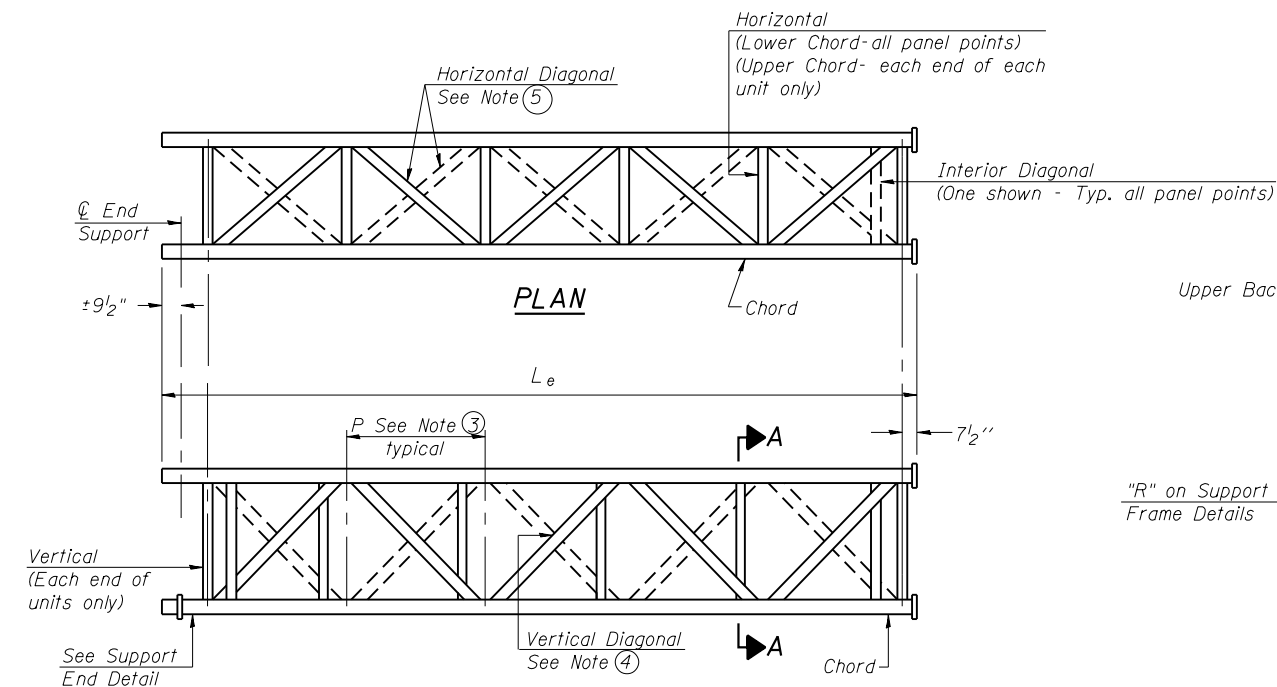
BOWMAN, BARRETT & ASSOCIATES INC. CONSULTING ENGINEERS Chicago, Illinois 312.228.0100 www.bbainc.com	USER NAME =	DESIGNED - JGC CHECKED - BAK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	OVERHEAD SIGN STRUCTURES - GENERAL PLAN & ELEVATION - ALUMINUM TRUSS & STEEL SUPPORTS	F.A.I. R.T.E. = 94	SECTION = 2012-059-BR	COUNTY = COOK	TOTAL SHEETS = 631	SHEET NO. = 245
	PLOT SCALE =	DRAWN - JGC CHECKED - TL	REVISED -			SHEET NO. = S-1 OF S-18 SHEETS	CONTRACT NO. = 60J12			

2/12/26 PM

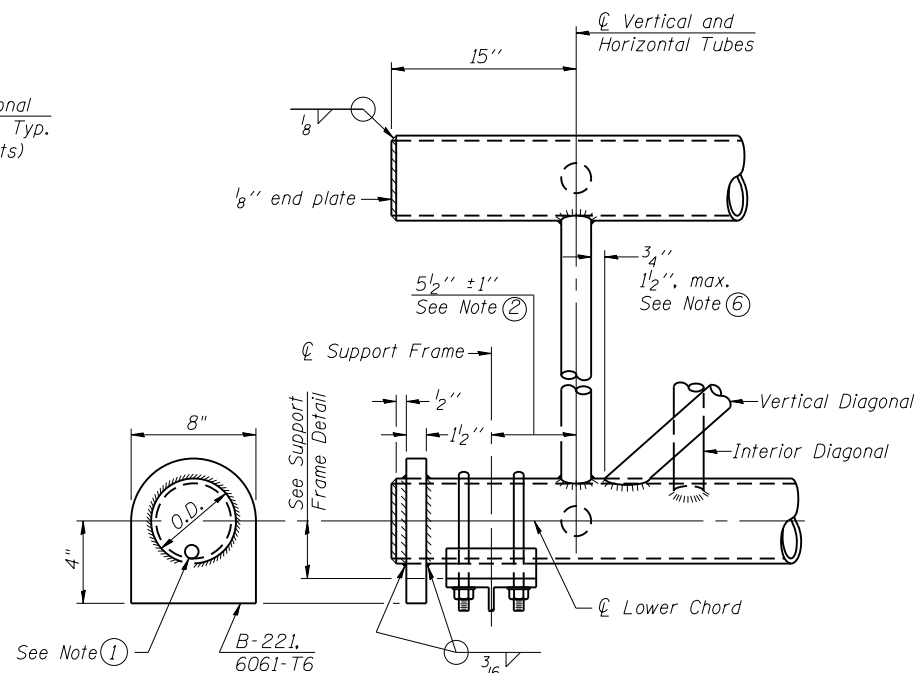
S:\1072\_05\_CADD\Structures\Sign Structures\CADD Sheets\SignStructures-60J12-002-TRUSS.dwg 013



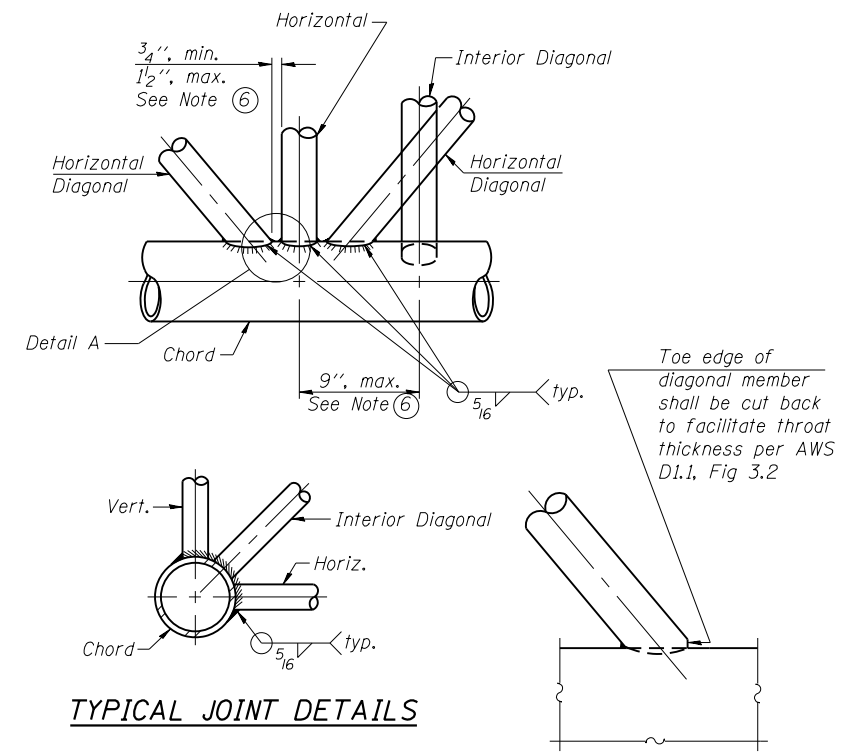
**ELEVATION  
TYPICAL INTERIOR UNIT**  
Even number of panels/interior unit required.



**ELEVATION  
TYPICAL EXTERIOR UNIT**  
Even or odd number of panels/exterior units allowed.

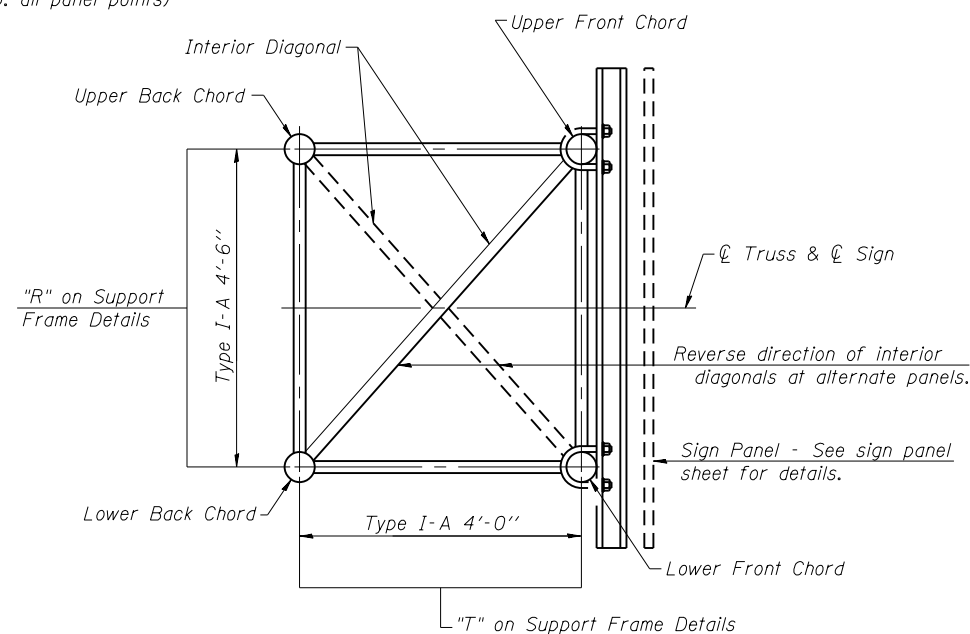


**SUPPORT END DETAIL FOR EXTERIOR UNIT**



**TYPICAL JOINT DETAILS**

**DETAIL A**



**SECTION A-A**

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

OS-A-2

6-1-12

BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbainc.com



USER NAME =  
PLOT SCALE =  
PLOT DATE = 03/29/2013

DESIGNED - JGC  
CHECKED - BAK  
DRAWN - JGC  
CHECKED - TL

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

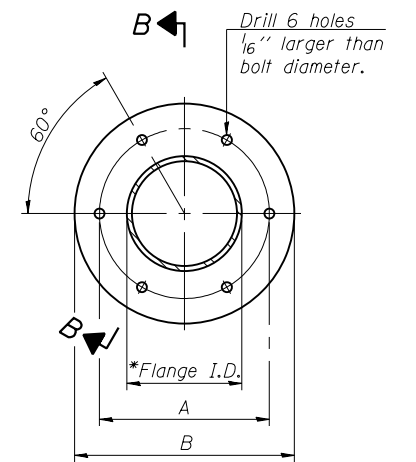
OVERHEAD SIGN STRUCTURES - ALUMINUM TRUSS  
DETAILS FOR TRUSS TYPES I-A, II-A AND III-A

SHEET NO. S-2 OF S-18 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	246
CONTRACT NO. 60J12				
ILLINOIS FED. AID PROJECT				

**TRUSS UNIT TABLE**

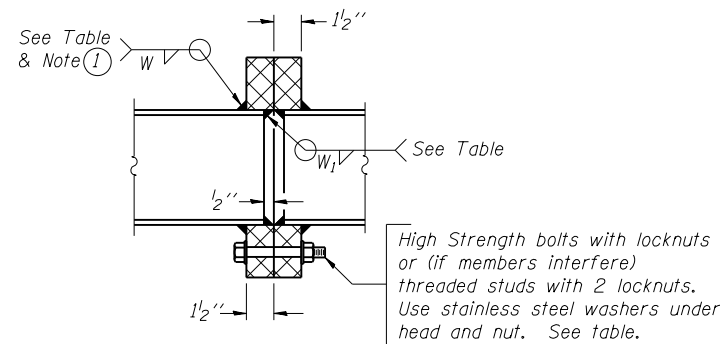
Structure Number	Station	Design Truss Type	Exterior Units (2)			Interior Unit				Upper & Lower Chord		Verticals; Horizontals; Vertical, Horizontal, and Interior Diagonals		Camber at Midspan	Splicing Flange					
			No. Panels per Unit	Unit Lgth.(L <sub>e</sub> )	Panel Lgth.(P)	No. Req'd.	No. Panels per Unit	Unit Lgth.(L <sub>i</sub> )	Panel Lgth.(P)	O.D.	Wall	O.D.	Wall		Bolts		Weld Sizes		A	B
															No./Splice	Dia.	W	W <sub>i</sub>		
ISO161094L000.0-001	2208+36	I-A	6	30'-10 1/2"	4'-10"	--	--	--	5"	5/16"	2 1/2"	5/16"	1 1/4"	6	7/8"	5/16"	1/4"	8 3/4"	11 3/4"	
ISO161094R000.0-002	79+80	I-A	7	36'-10 1/2"	5'-0"	--	--	--	5"	5/16"	2 1/2"	5/16"	1 7/8"	6	7/8"	5/16"	1/4"	8 3/4"	11 3/4"	
ISO161094R000.0-002	97+50	I-A	7	36'-10 1/2"	5'-0"	--	--	--	5"	5/16"	2 1/2"	5/16"	1 7/8"	6	7/8"	5/16"	1/4"	8 3/4"	11 3/4"	
ISO161094R000.0-001	602+17	I-A	6	30'-10 1/2"	4'-10"	--	--	--	5"	5/16"	2 1/2"	5/16"	1 1/4"	6	7/8"	5/16"	1/4"	8 3/4"	11 3/4"	



**TRUSS TYPES I-A**

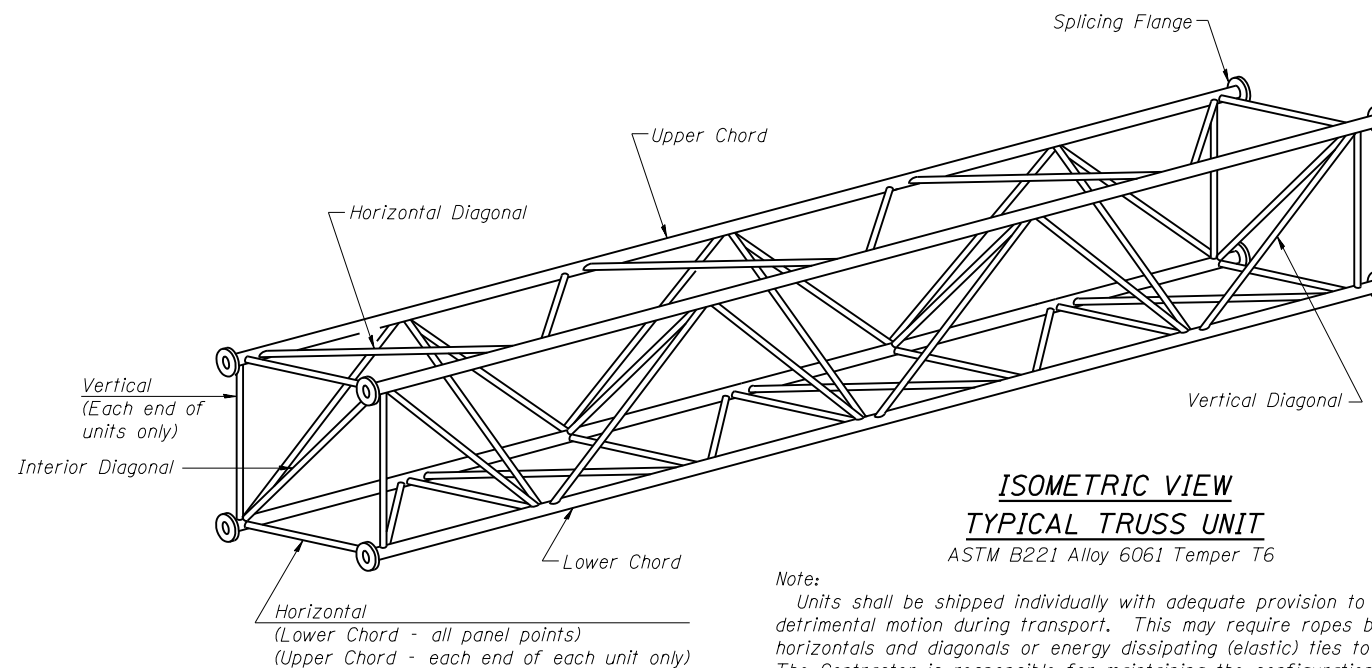
**SPLICING FLANGES**

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



**SECTION B-B**

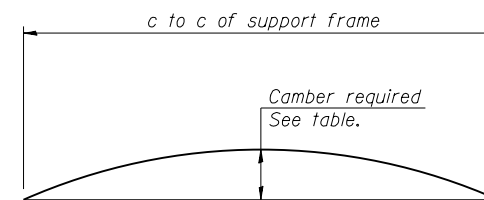
① Splicing Flanges shall be attached to each truss unit with the truss shop assembled to camber shown. Truss units shall be in proper alignment and flange surfaces shall be shop bolted into full contact before welding. Sufficient external welds or tacks shall be made to secure flanges until remaining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



**ISOMETRIC VIEW  
TYPICAL TRUSS UNIT**

ASTM B221 Alloy 6061 Temper T6

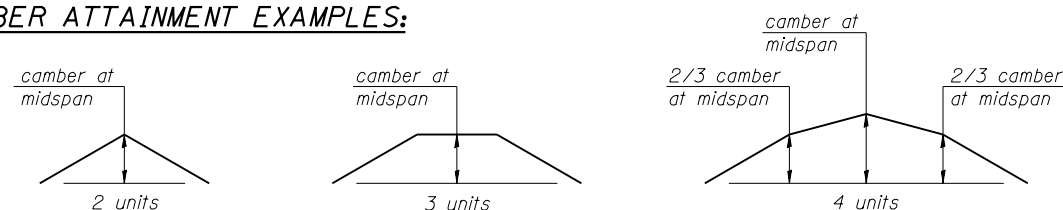
Note:  
Units shall be shipped individually with adequate provision to prevent detrimental motion during transport. This may require ropes between horizontals and diagonals or energy dissipating (elastic) ties to the vehicle. The Contractor is responsible for maintaining the configuration and protection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



**CAMBER DIAGRAM**

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

**CAMBER ATTAINMENT EXAMPLES:**



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

OS4-A-2

6-1-12

2/12/26 PM

S:\1072\_05\_CADD\Structures\CADD Sheets\SignStructures-60112-003-TRUSS.dwg

BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbainc.com



USER NAME =	DESIGNED - JGC	REVISED -
PLOT SCALE =	CHECKED - BAK	REVISED -
PLOT DATE = 03/29/2013	DRAWN - JGC	REVISED -
	CHECKED - TL	REVISED -

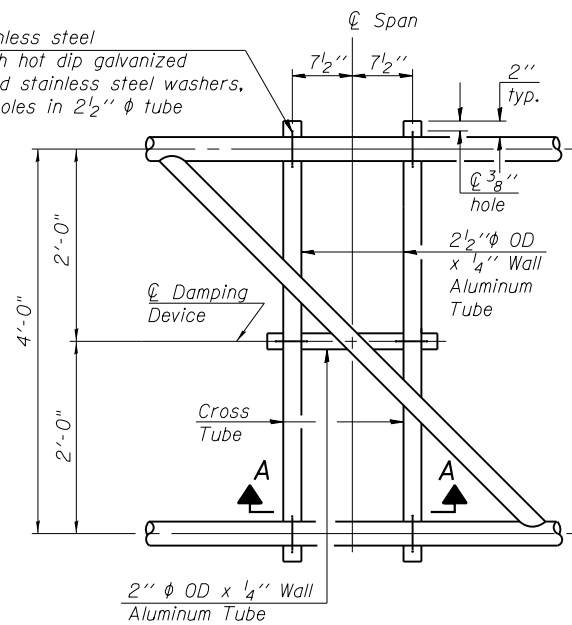
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**OVERHEAD SIGN STRUCTURES - ALUMINUM TRUSS DETAILS  
FOR TRUSS TYPES I-A, II-A AND III-A**

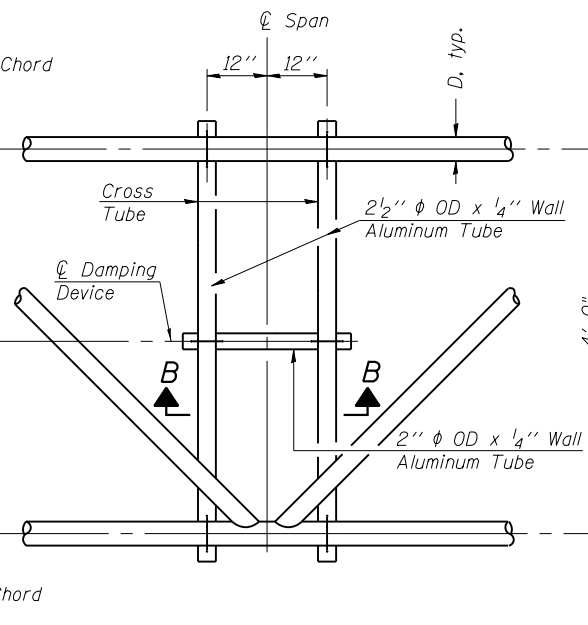
SHEET NO. S-3 OF S-18 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	247
CONTRACT NO. 60J12			ILLINOIS FED. AID PROJECT	

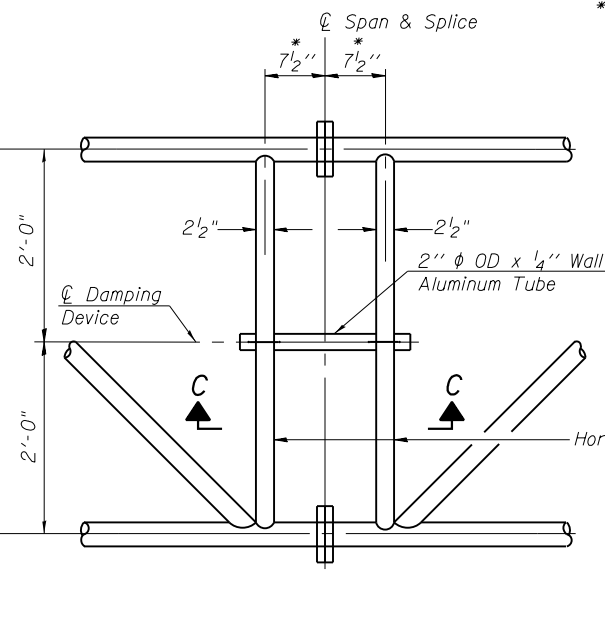
5/16" φ stainless steel  
U- bolt with hot dip galvanized  
locknuts and stainless steel washers,  
typ. 3/8" φ holes in 2 1/2" φ tube



**PLAN DETAIL "A"**  
℄ Span between Panel Points



**PLAN DETAIL "B"**  
℄ Span at Panel Point



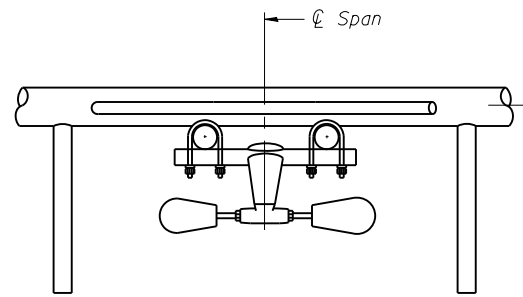
**PLAN DETAIL "C"**  
℄ Span at ℄ Chord Splice

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

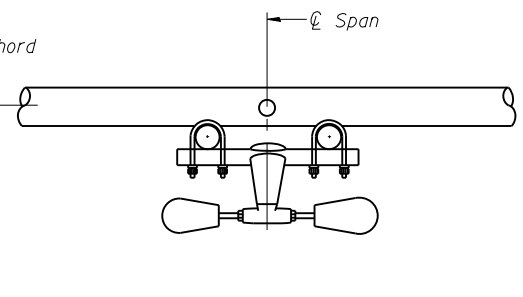
**NOTES**

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

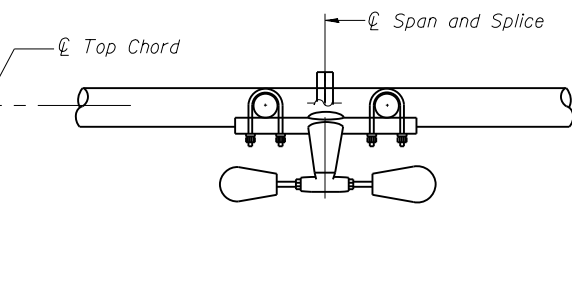
**Materials:** Materials: Aluminum tubes shall be ASTM B221 alloy 6061 temper T6. Cost included in Overhead Sign Structure...



**SECTION A-A**

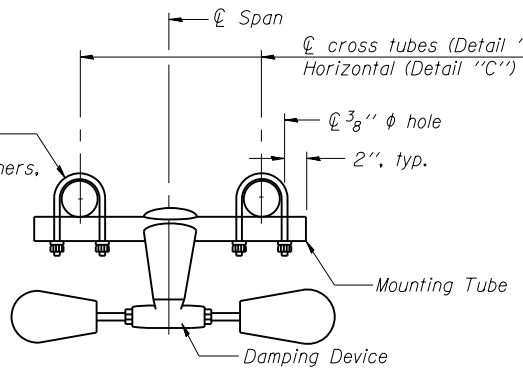


**SECTION B-B**

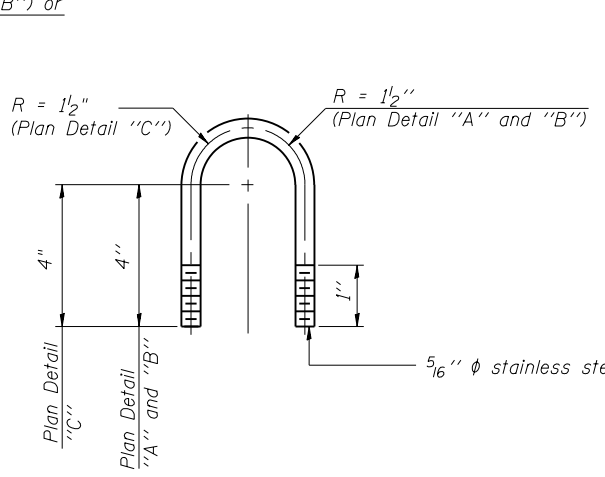


**SECTION C-C**

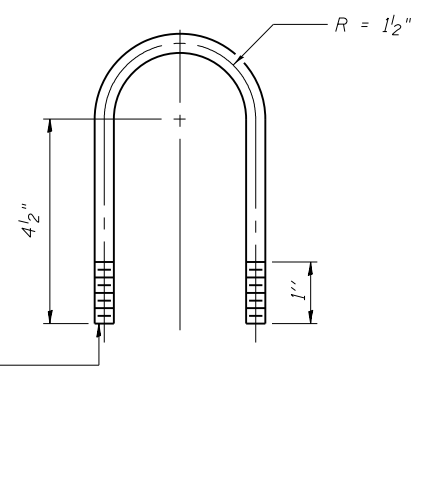
5/16" φ stainless steel  
U- bolt with hot dip galvanized  
locknuts and stainless steel washers,  
typ. 3/8" φ holes in mounting tube



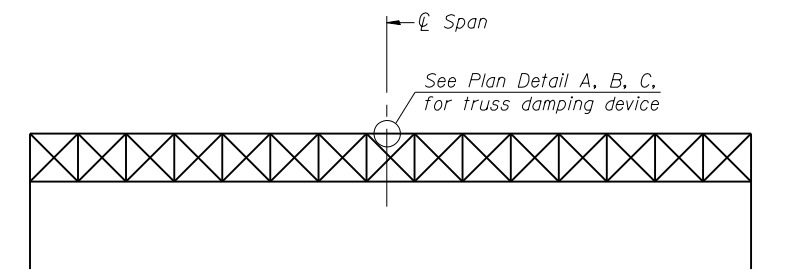
**TRUSS DAMPING  
DEVICE CONNECTION DETAIL**  
(Typical)



**DAMPING DEVICE MOUNTING  
TUBE U-BOLT DETAIL**  
(Typical)



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



**ELEVATION**  
Aluminum Overhead  
Sign Truss

2/12/27 PM

S:\1072\_05\_CADD\Structures\Sign Structures\CADD Sheets\SignStructures-60.112-004-00.dwg/1/2013

OS-A-D

6-1-12

BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbainc.com

USER NAME =	DESIGNED - JGC	REVISED -
PLOT SCALE =	CHECKED - BAK	REVISED -
PLOT DATE = 03/29/2013	DRAWN - JGC	REVISED -
	CHECKED - TL	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURE  
DAMPING DEVICE

SHEET NO. S-4 OF S-18 SHEETS

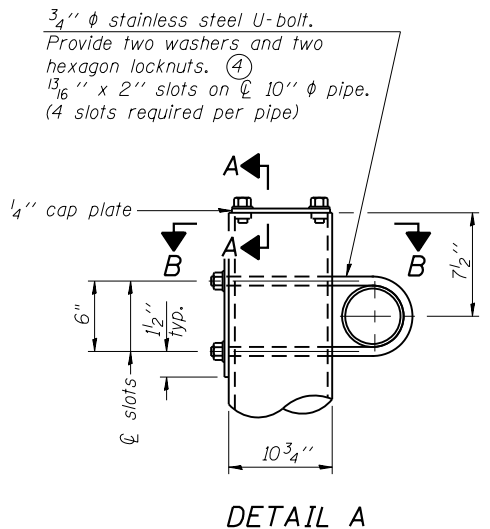
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	248
CONTRACT NO. 60J12				

ILLINOIS FED. AID PROJECT

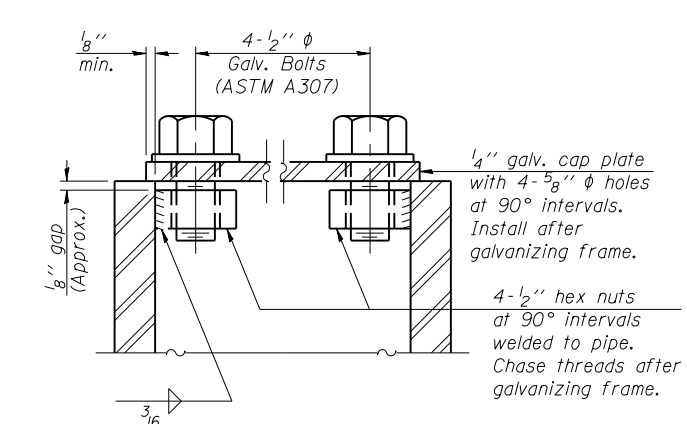


2/12/27 PM

S:\1072\_05\_CADD\Structures\CADD\_Sign\_Structures\CADD\_Sign\_Structures-68.112-005-SF\12/29/2013

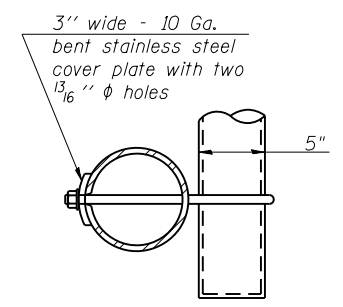


**DETAIL A**

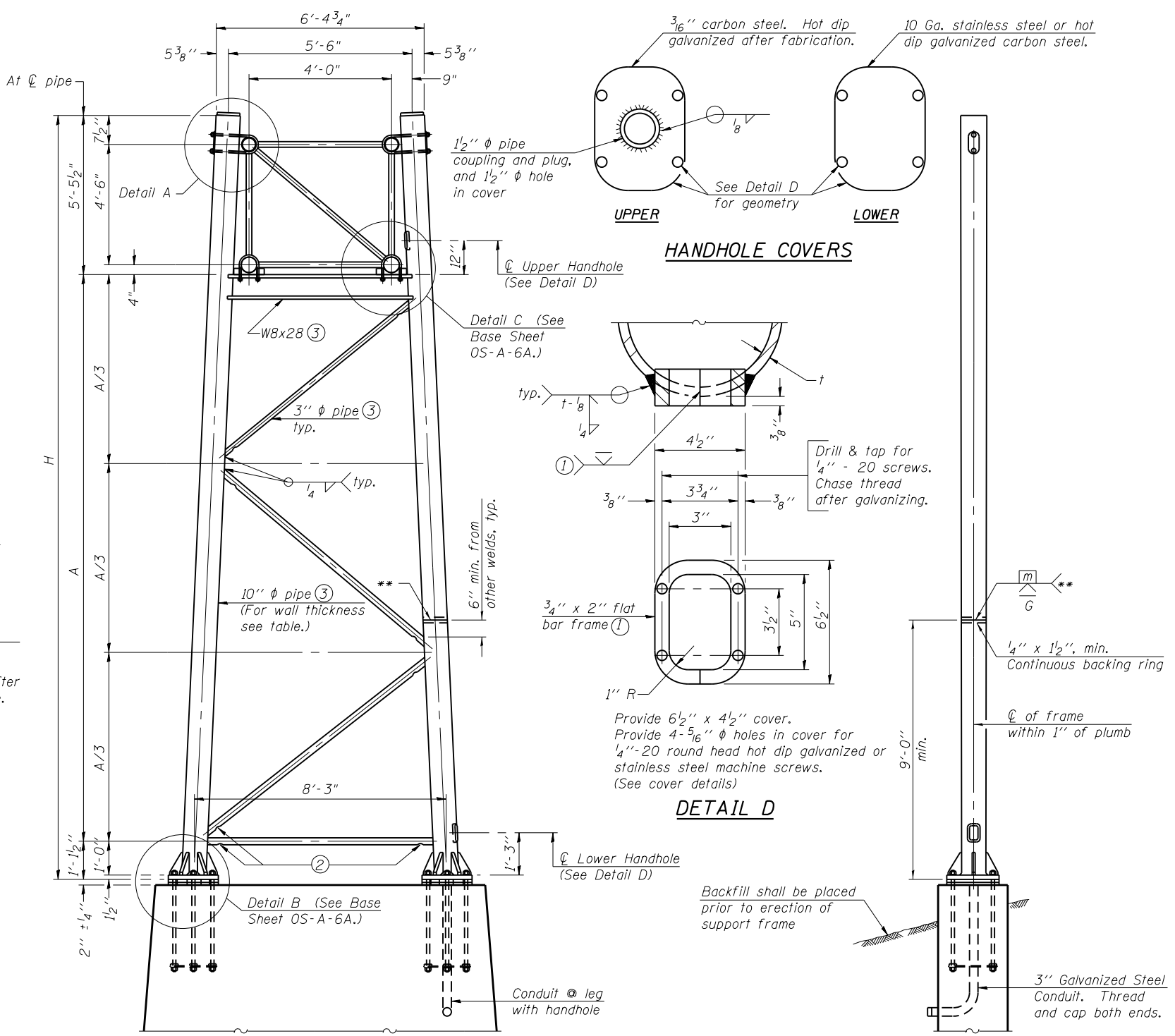


**SECTION A-A**

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



**SECTION B-B**

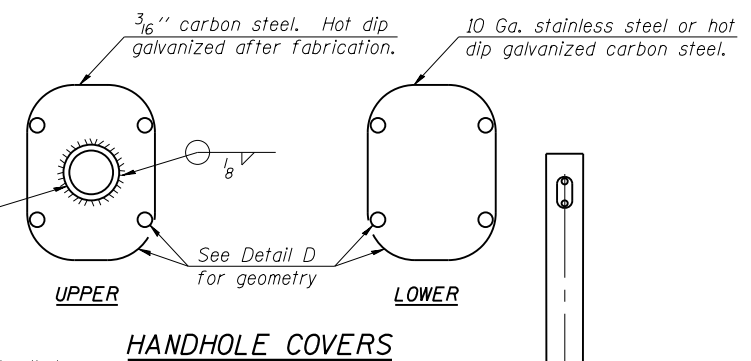


For Foundation Details, see base sheet OS-F3 (Spread Footing) or OS4-F3 (Drilled Shaft).

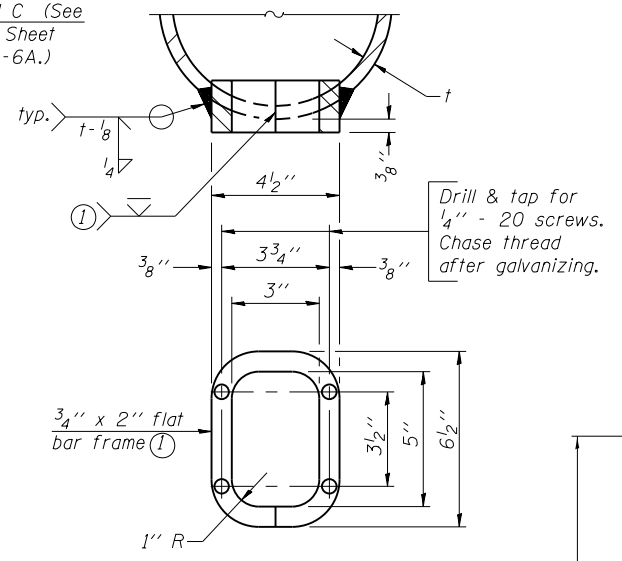
**SIDE ELEVATION**

**10" Ø PIPE TRUSS SUPPORT FRAME**

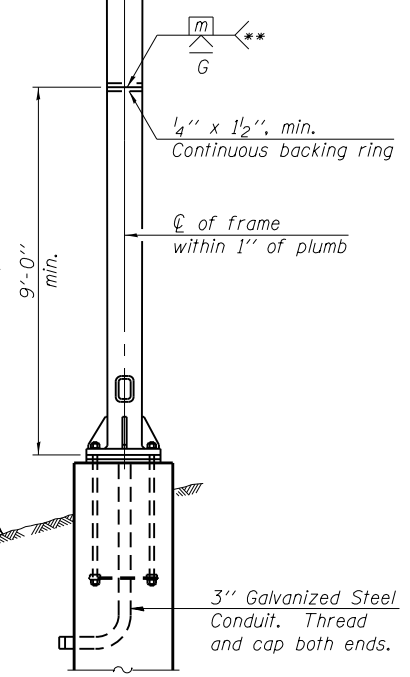
\*\* One butt welded joint is allowed only on one post per support frame. If used, weld procedure must be pre-approved by Engineer and joint shall receive 100% RT or UT (tension criteria) at Contractor's expense.



**HANDHOLE COVERS**



**DETAIL D**



**END ELEVATION**

Support Design Loads: See Base Sheet OS-A-1 for design and loading criteria.  
Load combinations checked include deadload plus:  
a) 100% wind normal to sign, 20% parallel to sign  
b) 60% wind normal to sign, 30% parallel to sign

- ① In lieu of fabricated handhole frame as shown, may cut from 2" plate (rolling direction vertical). All cut faces to be ground to ANSI Roughness of 500 µin or less.
- ② Galvanizing vent holes of adequate size shall be provided on underside at each end of bracing pipes. Alternately, holes may be provided in wall of pipe column. All vent holes shall be drilled and de-burred, typ.
- ③ Steel pipe, plate, carbon steel handhole covers and rolled sections shall be hot dip galvanized after fabrication. Painting is not permitted. See Base Sheet OS-A-1.
- ④ See General Notes for fasteners.
- ⑤ Dimensions shown are based on selection criteria in the Sign Structures Manual. Nonstandard applications must have dimensions verified or amended as appropriate.
- ⑥ "H" based on 15'-0" or actual sign height, whichever is greater.

Structure Number	Station	Support		Truss Type	Pipe Wall Thickness	H (6)	A
		Left	Right				
ISO161094L000.0-001	2208+36	X		I-A	0.365"	24'-8"	18'-1"
ISO161094L000.0-001	2208+36		X	I-A	0.365"	30'-7"	24'-0"
ISO161094R000.0-002	79+80	X		I-A	0.365"	26'-11"	20'-4"
ISO161094R000.0-002	79+80		X	I-A	0.365"	25'-11"	19'-4"
ISO161094R000.0-002	97+50	X		I-A	0.365"	27'-3"	20'-8"
ISO161094R000.0-002	97+50		X	I-A	0.365"	25'-9"	19'-2"
ISO161094R000.0-001	602+17	X		I-A	0.365"	25'-2"	18'-7"
ISO161094R000.0-001	602+17		X	I-A	0.365"	27'-2"	20'-7"

OS-A-6 6-1-12

BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbainc.com

USER NAME =	DESIGNED - JGC	REVISED -
PLOT SCALE =	CHECKED - BAK	REVISED -
PLOT DATE = 03/29/2013	DRAWN - JGC	REVISED -
	CHECKED - TL	REVISED -

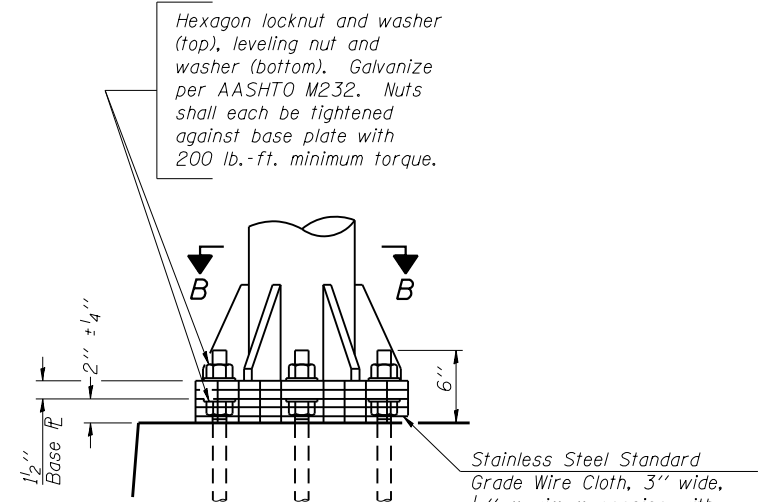
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES  
SUPPORT FRAME FOR ALUMINUM TRUSS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	249
CONTRACT NO. 60J12				

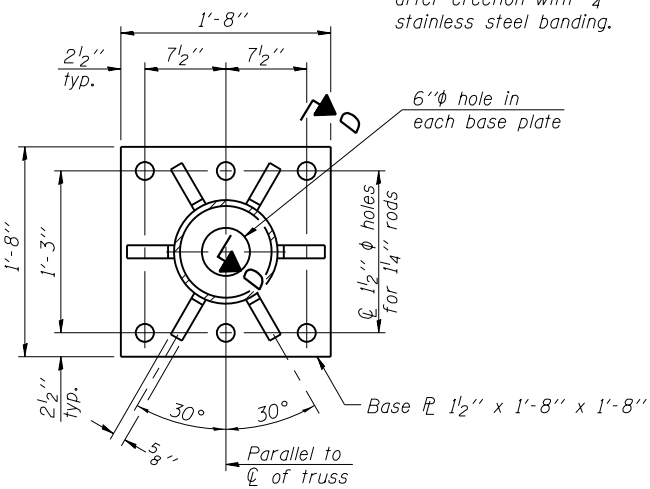
SHEET NO. S-5 OF S-18 SHEETS

ILLINOIS FED. AID PROJECT

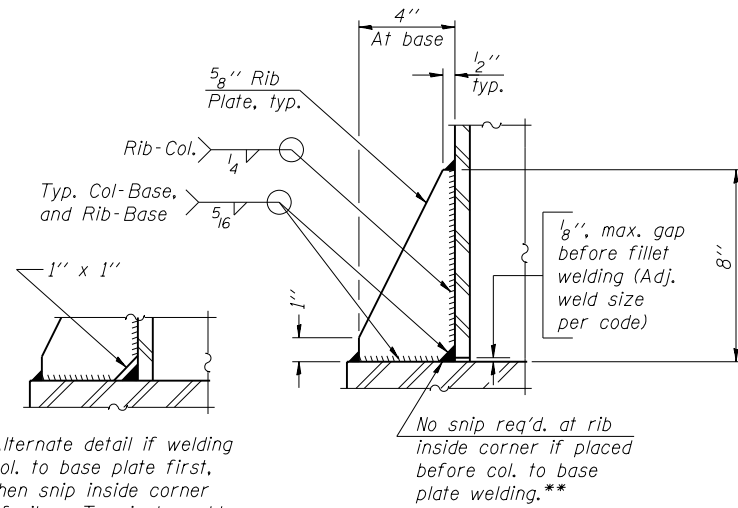


**DETAIL B**

Ribs shall be cut to fit slope of pipe.



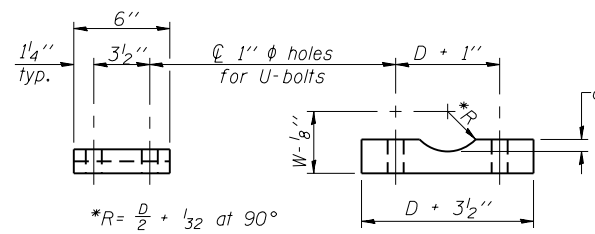
**SECTION B-B**



**SECTION D-D**

\*\* Alternate detail if welding col. to base plate first, then snip inside corner of ribs. Terminate weld on rib 1/4" from snip.

No snip req'd. at rib inside corner if placed before col. to base plate welding.\*\*

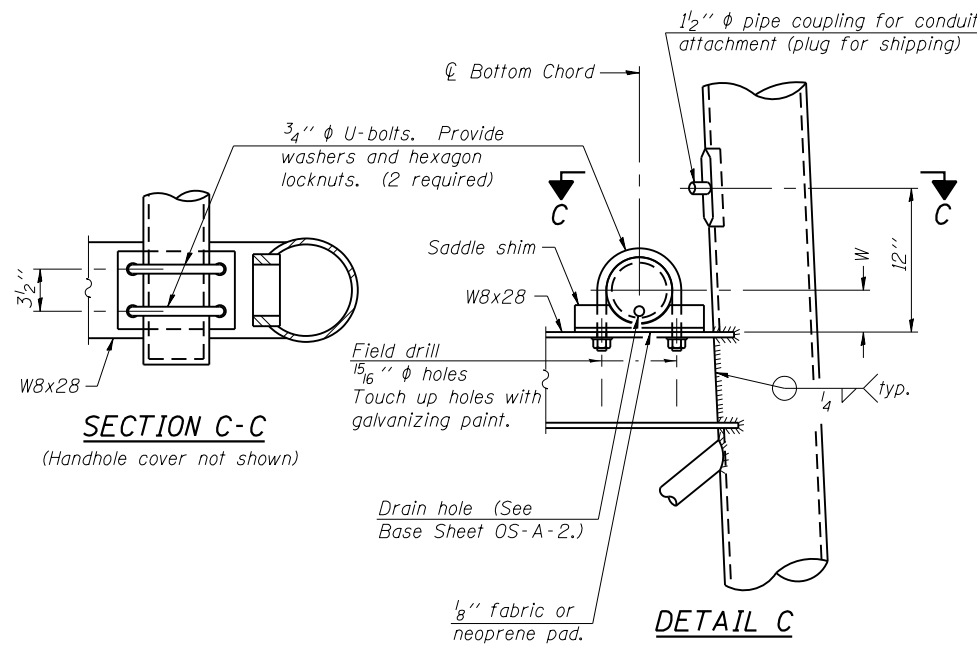


D = 5"  
For W, see Base Sheet OS-A-6.

**SADDLE SHIM DETAIL**

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

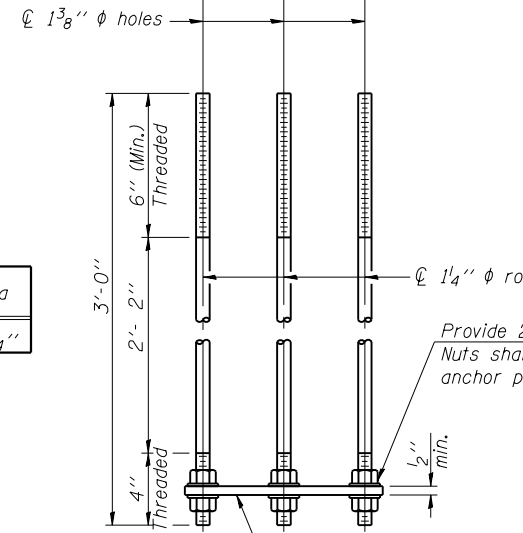
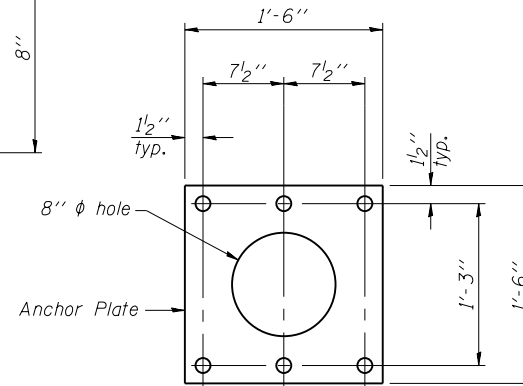
Truss Chord Nominal Dia.	a
5"	3/4"



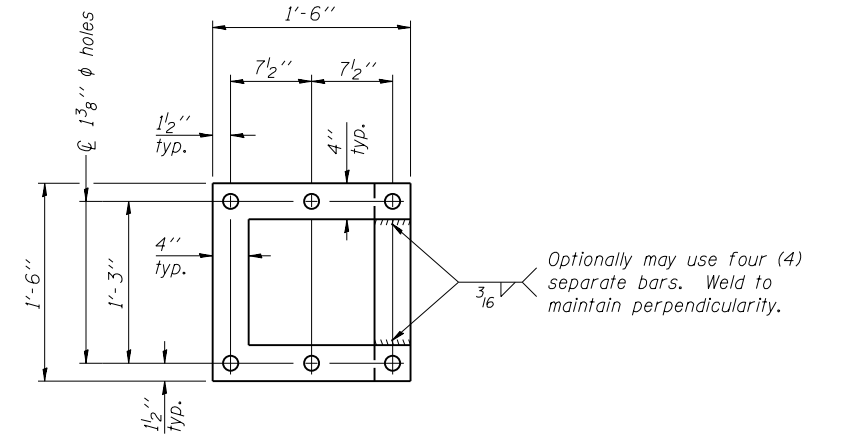
**SECTION C-C**

(Handhole cover not shown)

**DETAIL C**



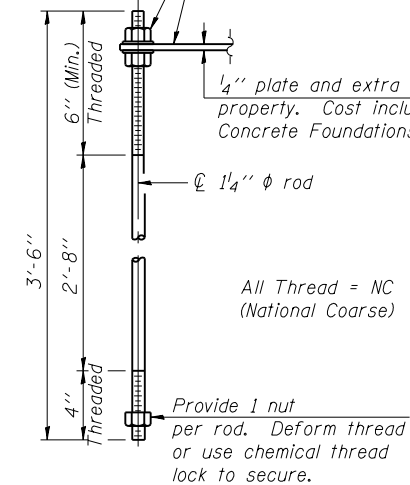
**ANCHOR ROD DETAIL**  
Spread Footing Foundation



**POSITIONING PLATE(S)**

At each location, provide 1/4" thick positioning plate(s) and six (6) additional nuts to be used with leveling nuts to maintain anchor bolts position during concrete placement.

1/4" plate and extra nuts become Contractor's property. Cost included in Drilled Shaft Concrete Foundations.



**ANCHOR ROD DETAIL**  
Drilled Shaft Foundation

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

**10"  $\phi$  PIPE SUPPORT FRAME DETAILS**

OS-A-6A 6-1-12

BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbainc.com

USER NAME =	DESIGNED - JGC	REVISED -
PLOT SCALE =	CHECKED - BAK	REVISED -
PLOT DATE = 03/29/2013	DRAWN - JGC	REVISED -
	CHECKED - TL	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES  
SUPPORT FRAME DETAILS - ALUMINUM TRUSS

SHEET NO. S-6 OF S-18 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	250
CONTRACT NO. 60J12				

ILLINOIS FED. AID PROJECT

**BAR LIST - EACH FOUNDATION**

Bar	Number	Size	Length	Shape
v(E)	96	#9	16'-7"	—
v1(E)	24	#9	19'-7"	—
#4 bar spiral (E) - see Side Elevation				

**NOTES:**

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

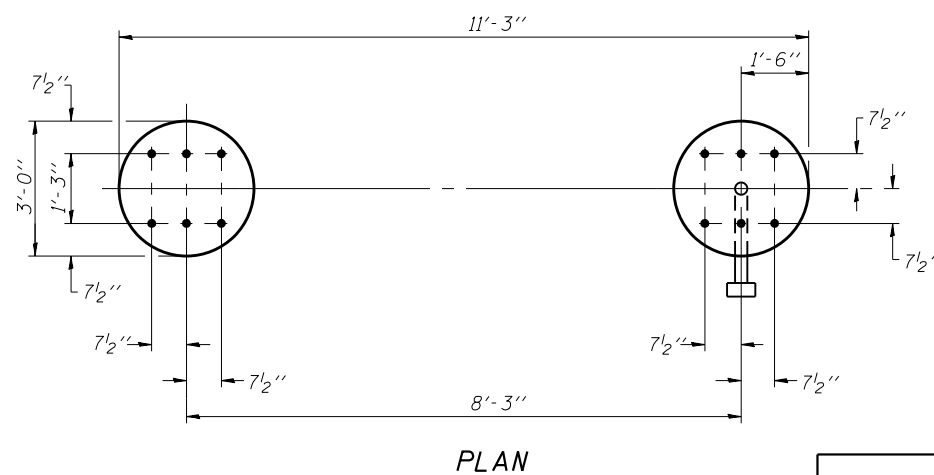
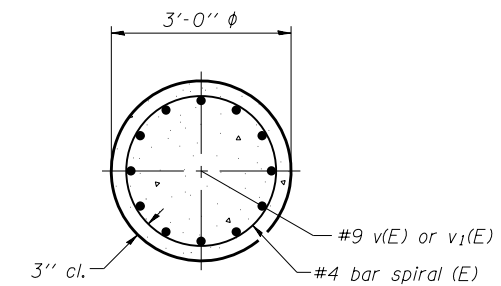
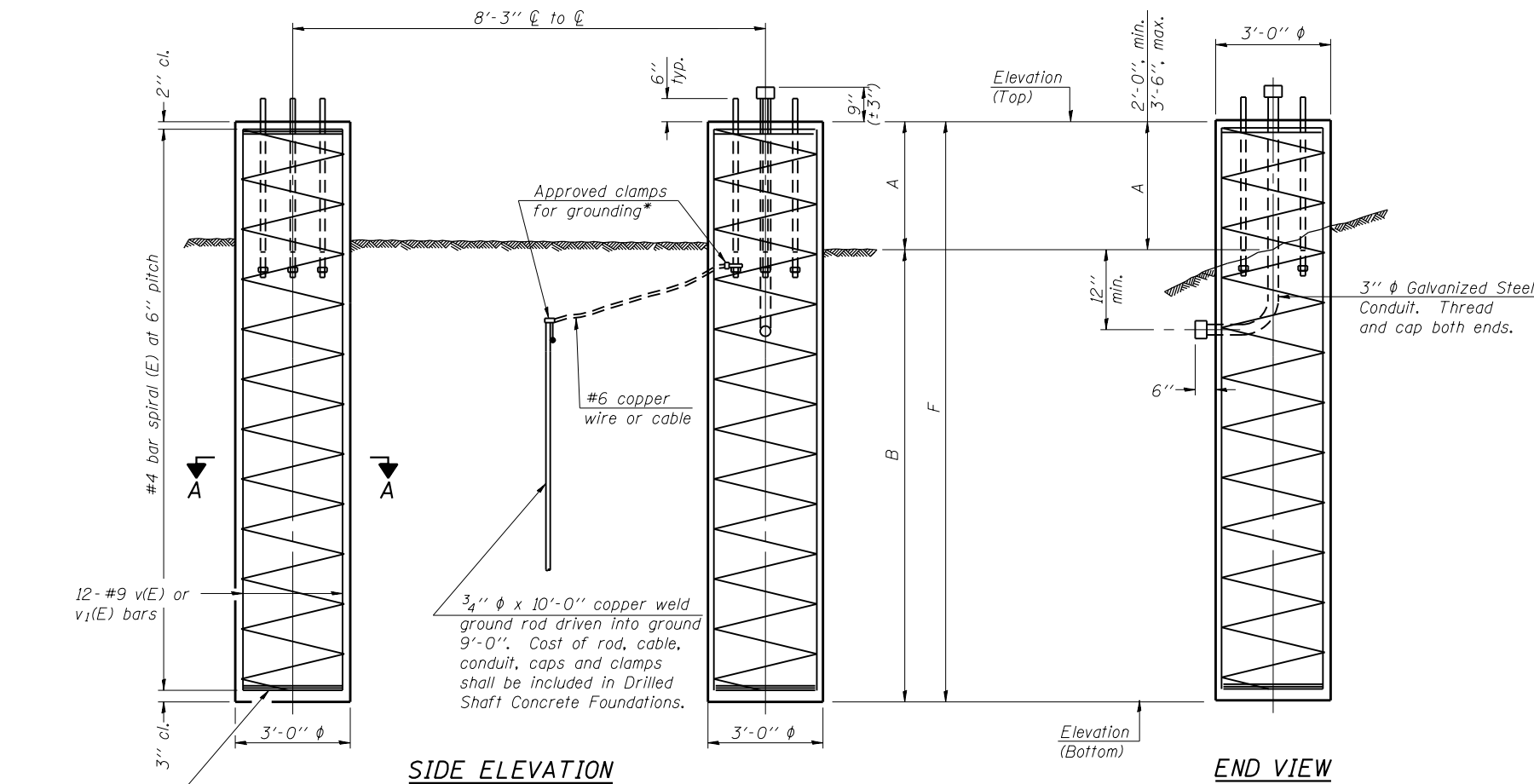
If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District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

No sonotubes or decomposable forms shall be used below the lower conduit entrance. Permanent metal forms or other shielding may not be left in place below that elevation without the Engineer's written permission.

Concrete shall be placed monolithically, without construction joints.

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

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



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

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

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

Structure Number	Station	Left Foundation					Right Foundation					Class DS Concrete (Cu. Yds.)
		Elevation Top	Elevation Bottom	A	B	F	Elevation Top	Elevation Bottom	A	B	F	
ISO161094L000.0-001	2208+36	600.33	580.33	3'-6"	16'-6"	20'-0"	594.5	574.5	3'-6"	16'-6"	20'-0"	21.0
ISO161094R000.0-002	79+80	589.0	571.0	3'-6"	14'-6"	18'-0"	--	--	--	--	--	9.5
ISO161094R000.0-002	97+50	587.0	570.0	3'-6"	14'-6"	18'-0"	--	--	--	--	--	9.5
ISO161094R000.0-001	602+17	--	--	--	--	--	615.5	597.5	3'-6"	14'-6"	18'-0"	9.5

OS4-F3

6-1-12

BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbainc.com



USER NAME =	DESIGNED - JGC	REVISED -
PLOT SCALE =	CHECKED - BAK	REVISED -
PLOT DATE = 03/29/2013	DRAWN - JGC	REVISED -
	CHECKED - TL	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES  
DRILLED SHAFT DETAILS

SHEET NO. S-7 OF S-18 SHEETS

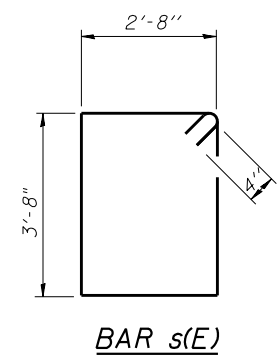
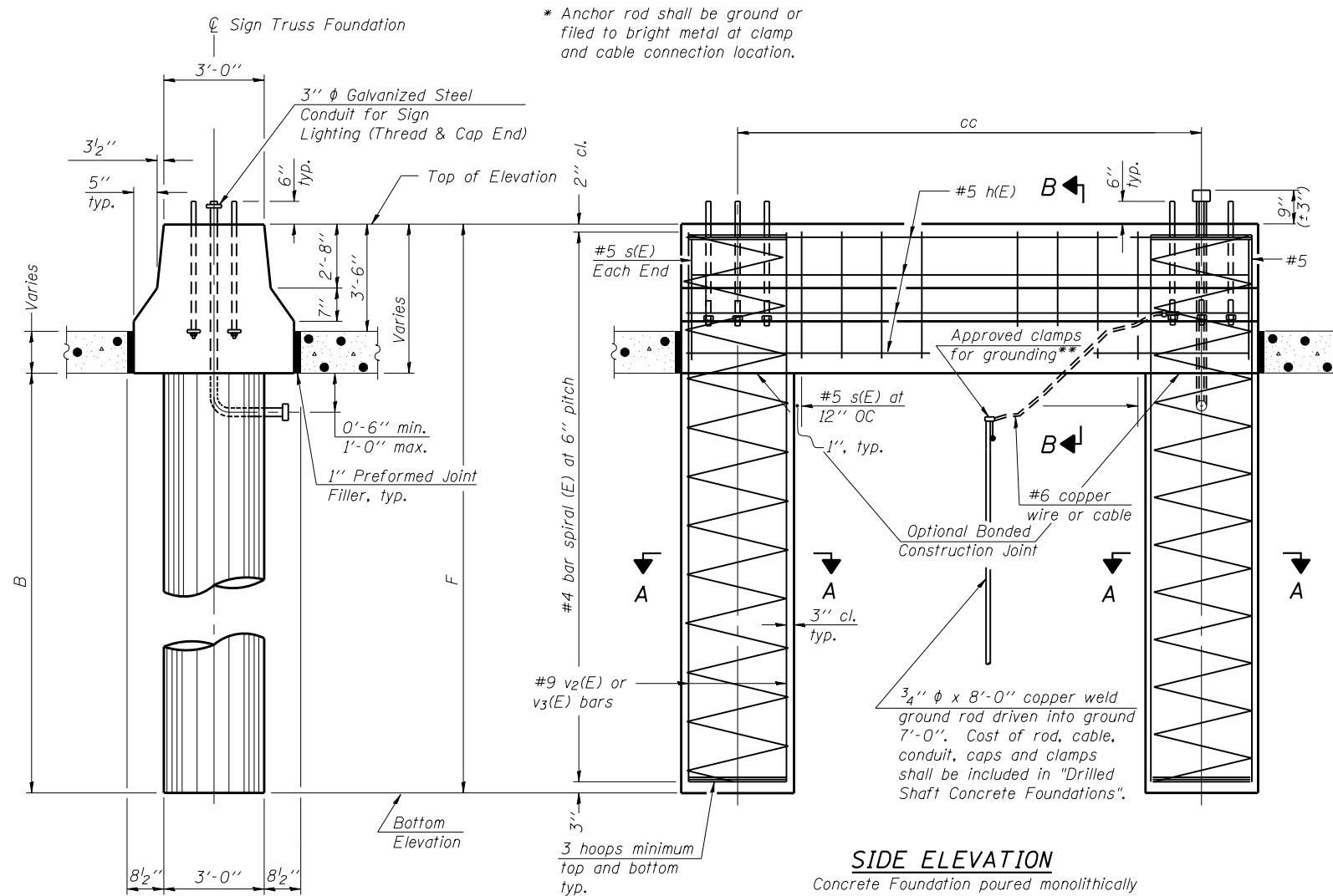
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	251
CONTRACT NO. 60J12				
ILLINOIS FED. AID PROJECT				

2/12/28 PM

S:\1072\_05\_CADD\Structural\Sign Structures\CADD Sheets\SignStructures-68.112-007-05\Fig/2013

2/12/28 PM

S:\1072\_05\_CADD\Structure\Sign Structures\CADD Sheets\SignStructures-60.112-008-MSF.dwg/2013



**NOTES:**  
 The foundation dimensions shown are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Qu) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown will be the result of site specific designs.  
 If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference.  
 No sonotubes or decomposable forms shall be used below the lower conduit entrance. Permanent metal forms or other shielding may not be left in place below that elevation without the Engineer's written permission.  
 Concrete shall be placed monolithically, without construction joints.  
 Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column.  
 A normal surface finish followed by a Bridge Seat Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in Drilled Shaft Concrete Foundation.

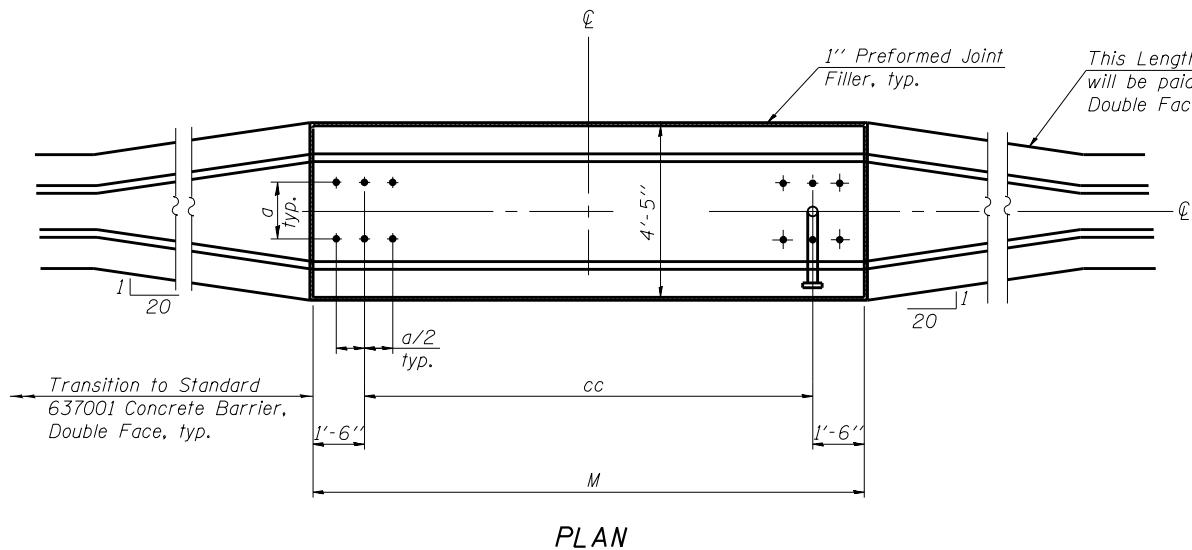
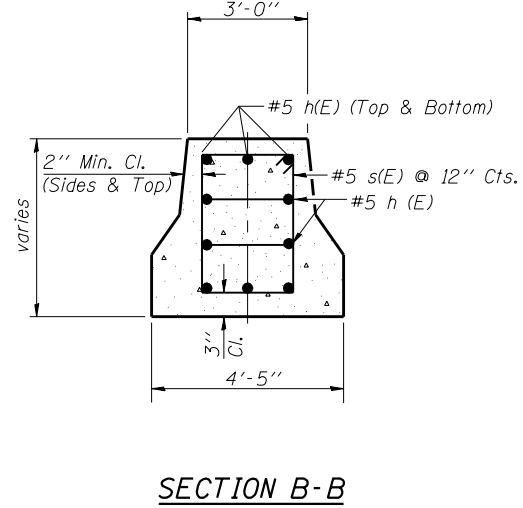
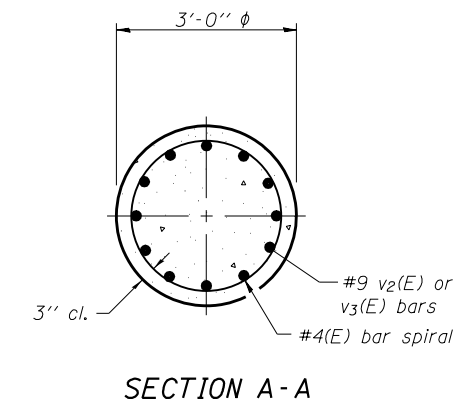
**BAR LIST - EACH FOUNDATION**

Pipe Support Frames	cc	M	a	a/2
10"φ	8'-3"	11'-3"	1'-3"	7 1/2"

Bar	Number	Size	Length	Shape
h(E)	30	#5	10'-11"	—
s(E)	36	#5	13'-4"	□
v2(E)	24	#9	20'-3"	—
v3(E)	48	#9	17'-3"	—
#4(E) bar spiral - see Side Elevation				

**END VIEW**

**SIDE ELEVATION**  
 Concrete Foundation poured monolithically with no construction joint.



**PLAN**

Structure Number	Station	Left Foundation				Right Foundation				Class DS Concrete (Cu. Yds.)
		Elevation Top	Elevation Bottom	B	F	Elevation Top	Elevation Bottom	B	F	
ISO161094R000.0-002	79+80	--	--	--	--	590.0	571.33	14'-6"	18'-8"	14.0
ISO161094R000.0-002	97+50	--	--	--	--	588.5	569.83	14'-6"	18'-8"	14.0
ISO161094R000.0-001	602+17	617.5	598.83	14'-6"	18'-8"	--	--	--	--	14.0

OS4-MED 6-1-12

BOWMAN, BARRETT & ASSOCIATES INC.  
 CONSULTING ENGINEERS  
 Chicago, Illinois  
 312.228.0100  
 www.bbainc.com

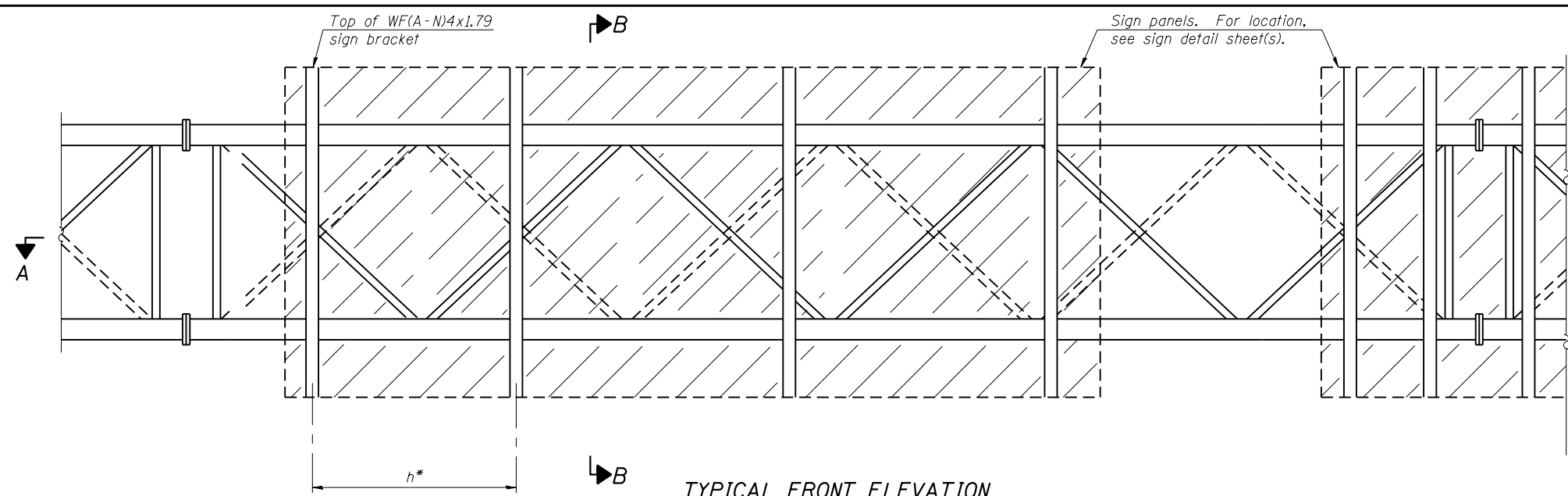
USER NAME =	DESIGNED - JGC	REVISED -
PLOT SCALE =	CHECKED - BAK	REVISED -
PLOT DATE = 03/29/2013	DRAWN - JGC	REVISED -
	CHECKED - TL	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

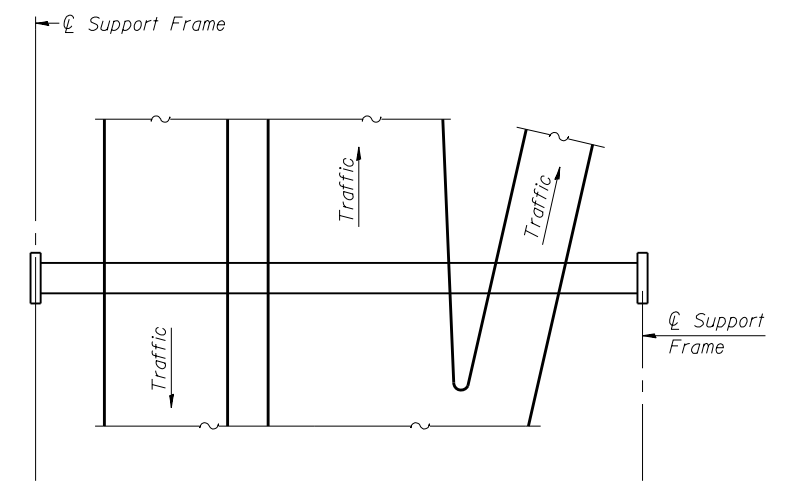
OVERHEAD SIGN STRUCTURES  
 MEDIAN SUPPORT FOUNDATION DETAILS

SHEET NO. S-8 OF S-18 SHEETS

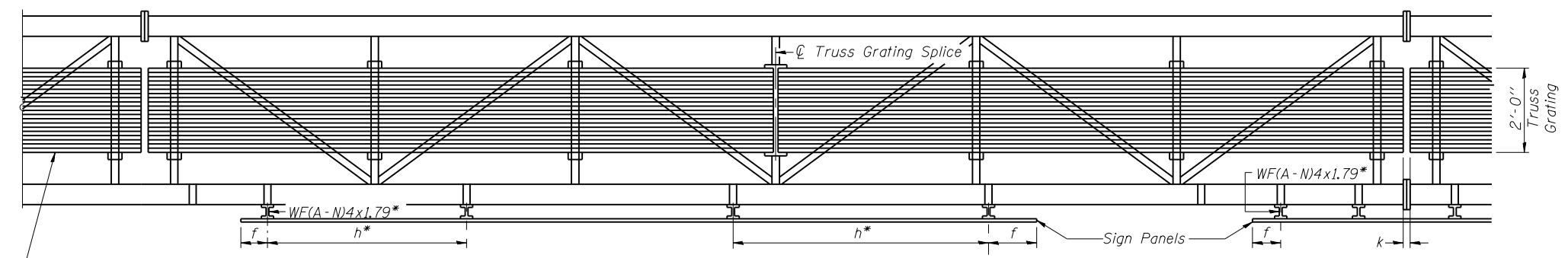
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	252
CONTRACT NO. 60J12				
ILLINOIS FED. AID PROJECT				



**TYPICAL FRONT ELEVATION**  
For Section B-B, see Sheet S-10.



**PLAN WALKWAY SKETCH**  
(Road plan beneath truss varies)



**SECTION A-A**

Walkway shall span a minimum of three brackets between splices and/or gap joints.  
Place all sign brackets as close to panel points as practical.  
Grating splices placed as needed.

Standard Aluminum Grating, see Detail T

**BRACKET TABLE**

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

Notes:  
\* Space sign brackets WF(A-N)4x1.79 for efficiency and within limits shown:  
  
f = 12" maximum, 4" minimum (End of sign to center of nearest bracket)  
h = 6'-0" maximum (center to center of support brackets, WF(A-N)4x1.79)  
k = 2" maximum gap between adjacent walkway grating sections.

For Detail T and Section B-B see Sheet S-10.

Structure Number	Station	a	b	c	d	e	Walkway Grating and Handrail Lengths
ISO161094L000.0-001	2208+36	--	--	--	--	--	60'-0"
ISO161094R000.0-002	79+80	--	--	--	--	--	72'-0"
ISO161094R000.0-002	97+50	--	--	--	--	--	72'-0"
ISO161094R000.0-001	602+17	--	--	--	--	--	60'-0"

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

Walkway and Truss Grating width dimensions are nominal and may vary ±1/2" based on available standard widths.

OS-A-9 6-1-12

S:\1072\_05\_CADD\Structures\Sign Structures\CADD Sheets\SignStructures-68.112-001-AW.dwg/2013

BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbainc.com

USER NAME =	DESIGNED - JGC	REVISD -
PLOT SCALE =	CHECKED - BAK	REVISD -
PLOT DATE = 03/29/2013	DRAWN - JGC	REVISD -
	CHECKED - TL	REVISD -

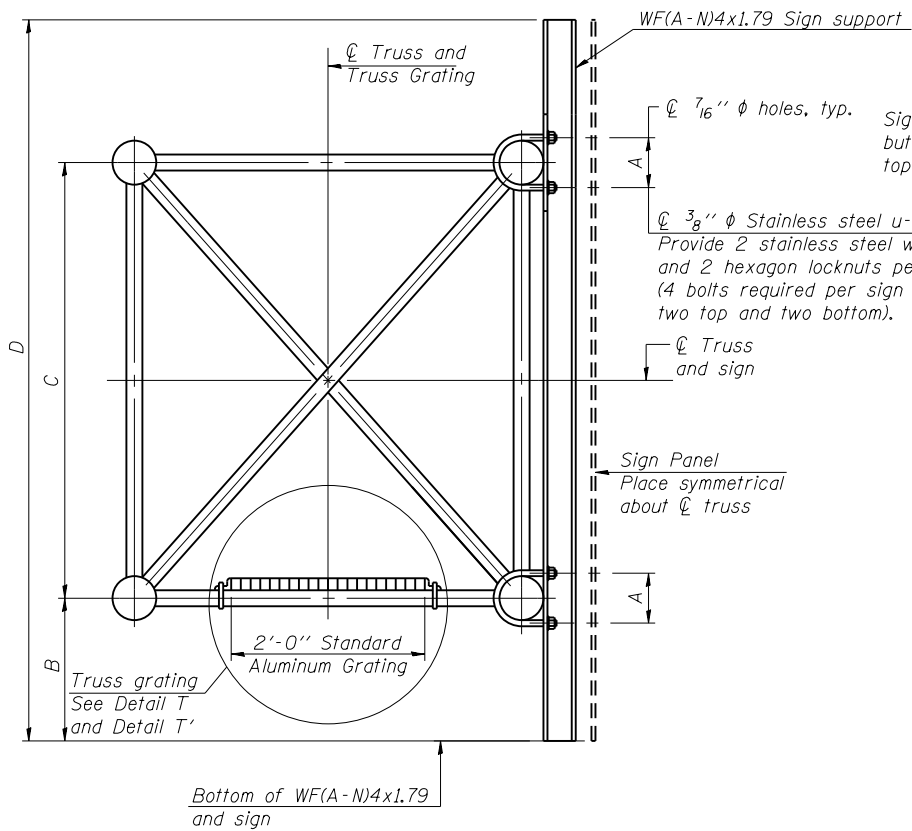
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES  
ALUMINUM WALKWAY

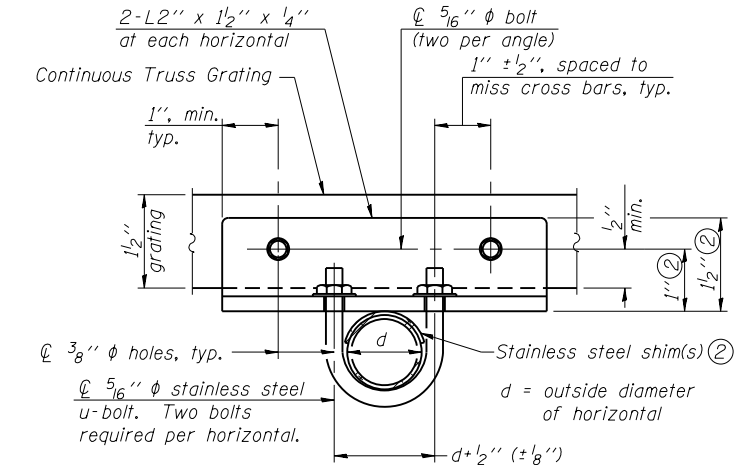
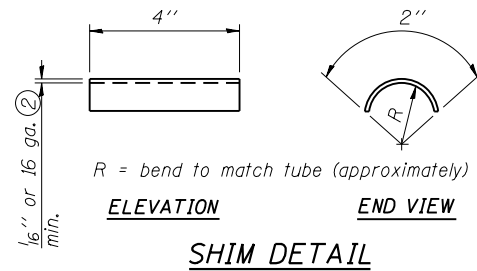
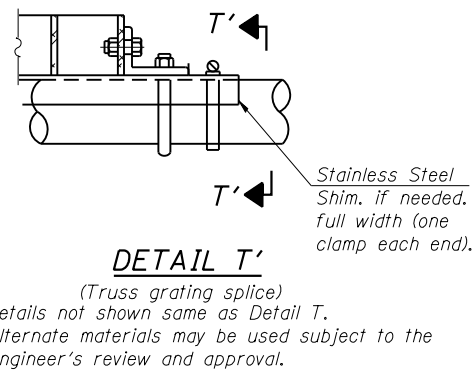
SHEET NO. S-9 OF S-18 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	253
CONTRACT NO. 60J12				

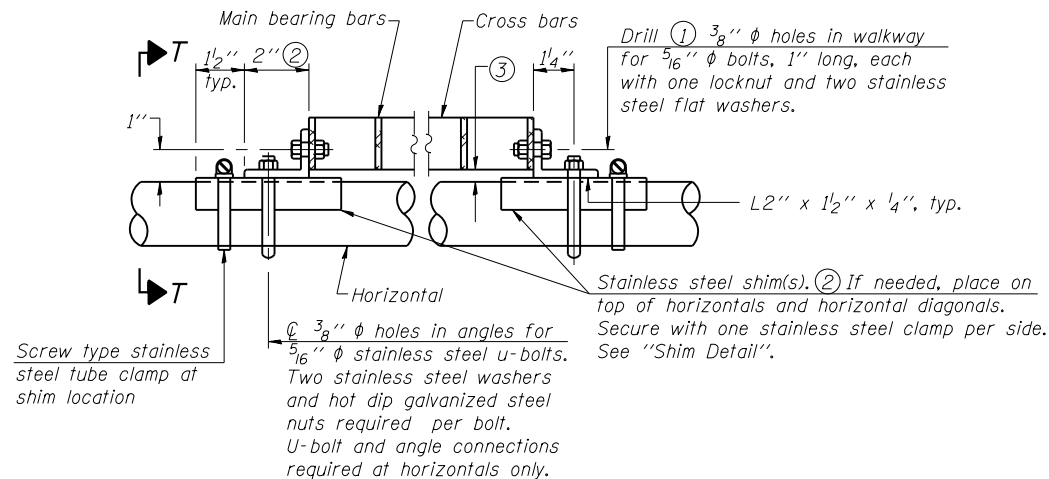
ILLINOIS FED. AID PROJECT



**SECTION B-B**

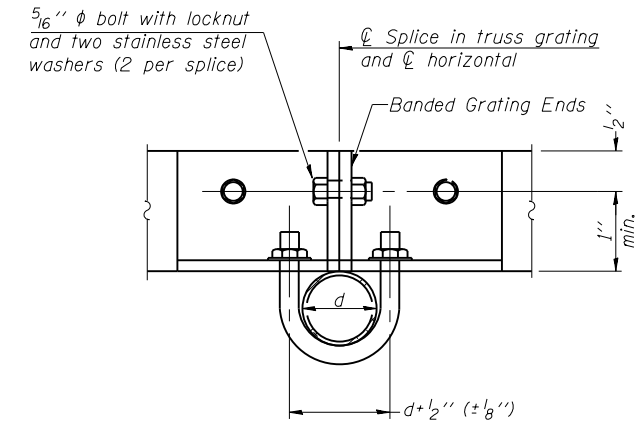


**SECTION T-T**



**DETAIL T**

(Continuous Truss grating)



**SECTION T'-T'**

**SPECIFICATIONS FOR STANDARD ALUMINUM GRATING**

Main Bearing Bars shall be 3/16" x 1 1/2" on 1 3/16" centers and conform to ASTM B221 Alloy 6061-T6.  
 Cross bars shall be 3/16" x 1 1/2" on 4" centers and conform to ASTM B221 Alloy 6063-T5 or 6061-T6.

**OR**

Aluminum Grating with modified "T" sections for main bearing bars shall meet the following requirements:  
 Main bars shall conform to ASTM B221 Alloy 6061-T6 and have a minimum section modulus equal to 0.0705 in.<sup>3</sup> per bar, a depth of 1 1/2", spaced on 1 3/16" centers.  
 Cross bars shall conform to ASTM B221 Alloy 6063-T5 or T-42 and spaced on 4" centers.

Structure Number	Station	A	④ B	C	④ D
ISO161094L000.0-001	2208+36	5 1/2"	3'-6"	4'-6"	11'-6"
ISO161094R000.0-002	79+80	5 1/2"	3'-0"	4'-6"	10'-6"
ISO161094R000.0-002	97+50	5 1/2"	3'-3"	4'-6"	11'-0"
ISO161094R000.0-001	602+17	5 1/2"	3'-6"	4'-6"	11'-6"

- ① Drilling holes in grating may be done in shop or field, based on Contractor's preference and subject to accurate alignment.
- ② Stainless steel shims shall be placed as shown in Detail T if needed to compensate for alignment variations between horizontal and diagonal pipes beyond adjustment provided by angles. Thicker shims may be used subject to shims performing properly.
- ③ Tube to grating gap may vary from 0 to 1/2", max. to align walkway, allow for camber, etc.
- ④ Based on actual height of tallest sign given on S-1.

OS-A-1 6-1-12

BOWMAN, BARRETT & ASSOCIATES INC.  
 CONSULTING ENGINEERS  
 Chicago, Illinois  
 312.228.0100  
 www.bbainc.com

USER NAME =	DESIGNED - JGC	REVISED -
PLOT SCALE =	CHECKED - BAK	REVISED -
PLOT DATE = 03/29/2013	DRAWN - JGC	REVISED -
	CHECKED - TL	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES  
 ALUMINUM WALKWAY DETAILS

SHEET NO. S-10 OF S-18 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	254
CONTRACT NO. 60J12				
ILLINOIS FED. AID PROJECT				

2/12/2013 PM

S:\1072\_05\_CADD\Structures\CADD Sheets\SignStructures-60J12-010-A\03/29/2013

**GENERAL NOTES**

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

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

LOADING: 90 M.P.H. WIND VELOCITY

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

DESIGN STRESSES:

Field Units  
 $f'_c = 3,500$  p.s.i.  
 $f_y = 60,000$  p.s.i. (reinforcement)

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

MATERIALS: Aluminum Alloys as shown throughout plans. All Structural Steel Pipe shall be ASTM A53 Grade B or A500 Grade B or C. If A500 pipe is substituted for A53, then the outside diameter shall be as detailed and wall thickness greater than or equal to A53.

All Structural Steel Plates and Shapes shall conform to AASHTO M270 Gr. 36, Gr. 50 or Gr. 50W\*. Stainless steel for shims, sleeves and handhole covers shall be ASTM A240, Type 302 or 304, or another alloy suitable for exterior exposure and acceptable to the Engineer.

The steel pipe and stiffening ribs at the base plate for the column shall have a minimum longitudinal Charpy V-Notch (CVN) energy of 15 lb.-ft. at 40° F. (Zone 2) before galvanizing.

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

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

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

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

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

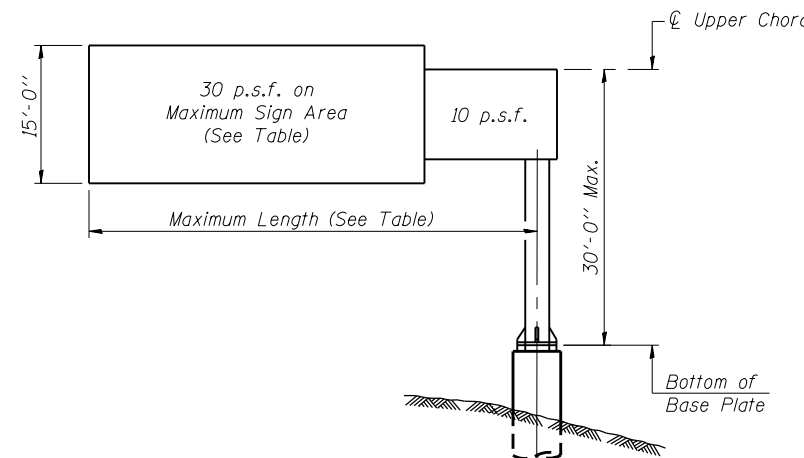
REINFORCEMENT BARS: Reinforcement Bars designated (E) shall be epoxy coated in accordance with the Standard Specifications.

FOUNDATIONS: The cost of drilled shaft concrete foundations, including reinforcement bars, shall be included in the cost of DMS Removal and Installation.

Structure Number	Station	Design Truss Type	Cantilever Length (L)	Elev. A	Dim. D	D <sub>s</sub>	Total Sign Area
1C0161094R000.0-001	101+88	**III-C-A	**25 Ft.	584.87	35 Ft.	**4.62 Ft.	**70 Sq. Ft.

\*\* Relocate existing sign and structure

Truss Type	Maximum Sign Area	Maximum Length
I-C-A	170 Sq. Ft.	25 Ft.
II-C-A	340 Sq. Ft.	30 Ft.
III-C-A	400 Sq. Ft.	40 Ft.



**DESIGN WIND LOADING DIAGRAM**

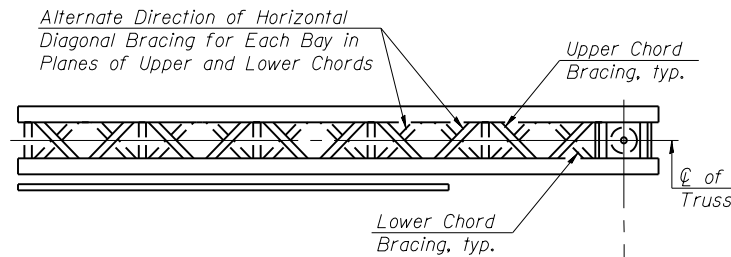
Parameters shown are basis for I.D.O.T. Standards  
 Installations not within dimensional limits shown  
 require special analysis for all components.

Note:

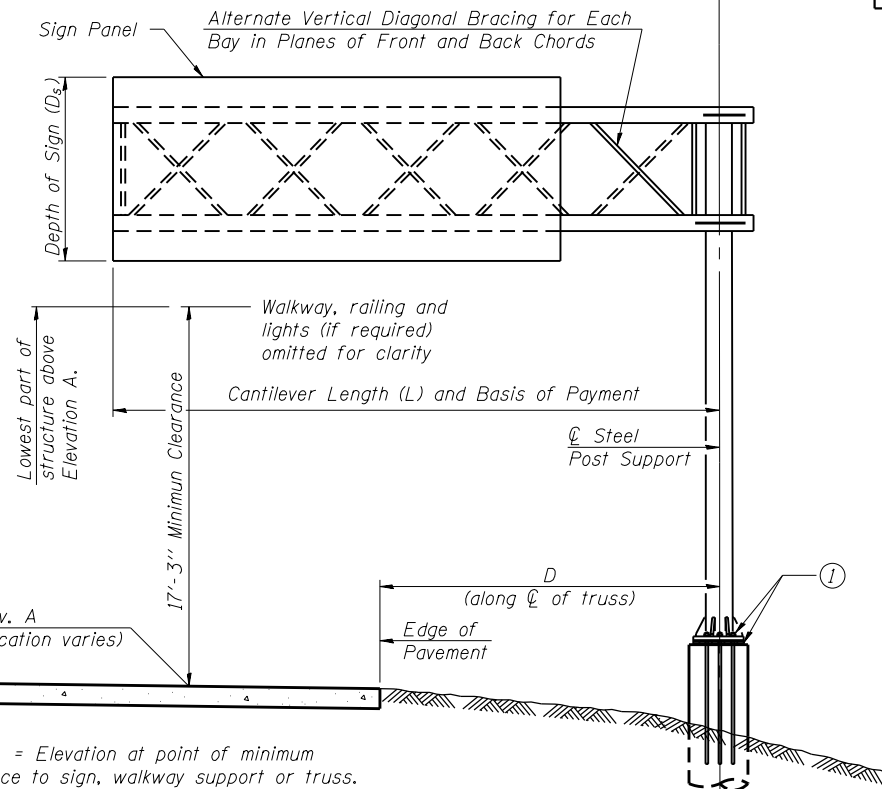
Trusses shall be shipped individually with adequate provision to prevent detrimental motion during transport. This may require ropes between horizontals and diagonals or energy dissipating (elastic) ties to the vehicle. The contractor is responsible for maintaining the configuration and protection of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

① After adjustments to level truss and insure adequate vertical clearance, all top and leveling nuts shall be tightened against the base plate with a minimum torque of 200 lb.-ft. Stainless steel mesh shall then be placed around the perimeter of the base plate. Secure to base plate with stainless steel banding.

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



**TYPICAL PLAN**  
 (Walkway not shown)



**TYPICAL ELEVATION**

Looking in Direction of Traffic

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

Sign support structures may be subject to damaging vibrations and oscillations when sign panels are not in place during erection or maintenance of the structure. To avoid these vibrations and oscillations, consideration should be given to attaching temporary blank sign panels to the structure.

21/23/30 PM

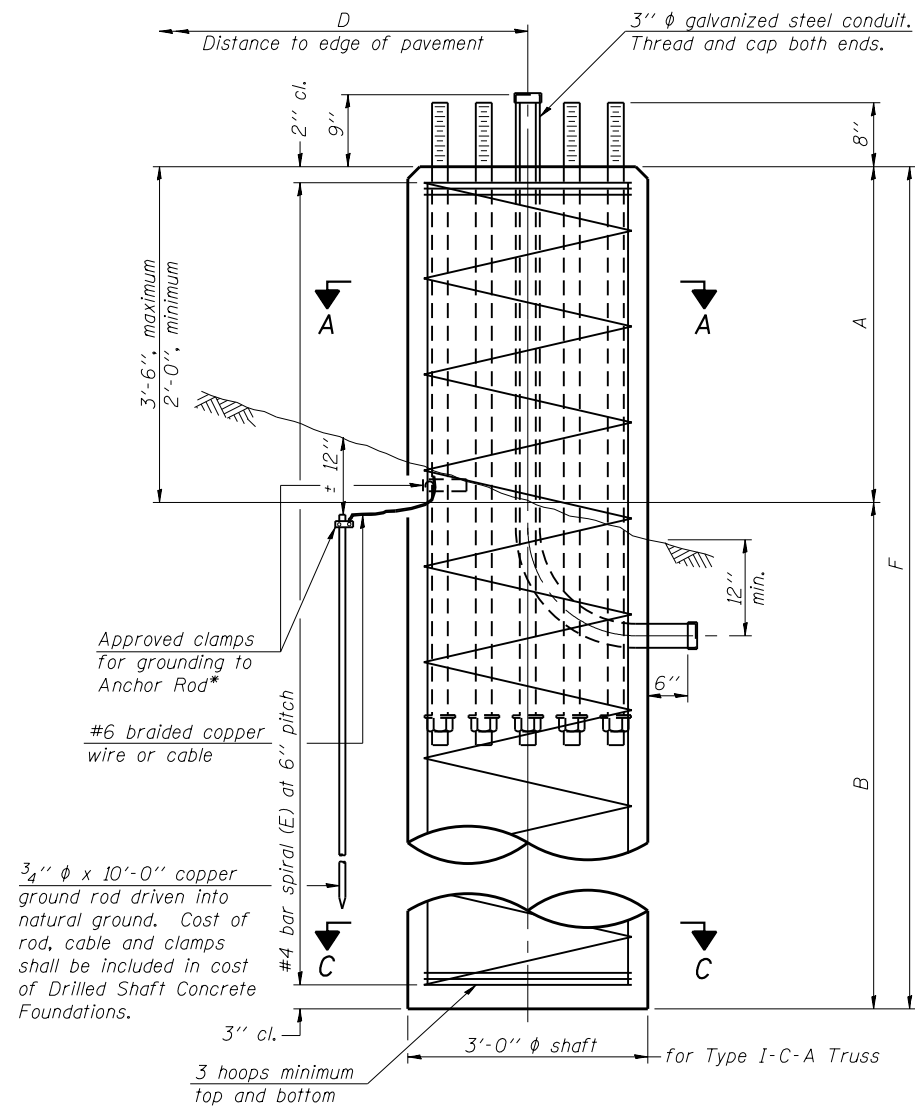
S:\1072\_05\_CADD\Structural\Sign Structures\CADD Sheets\SignStructures-68.112-011-CP02.dwg/2013

OSC-A-1

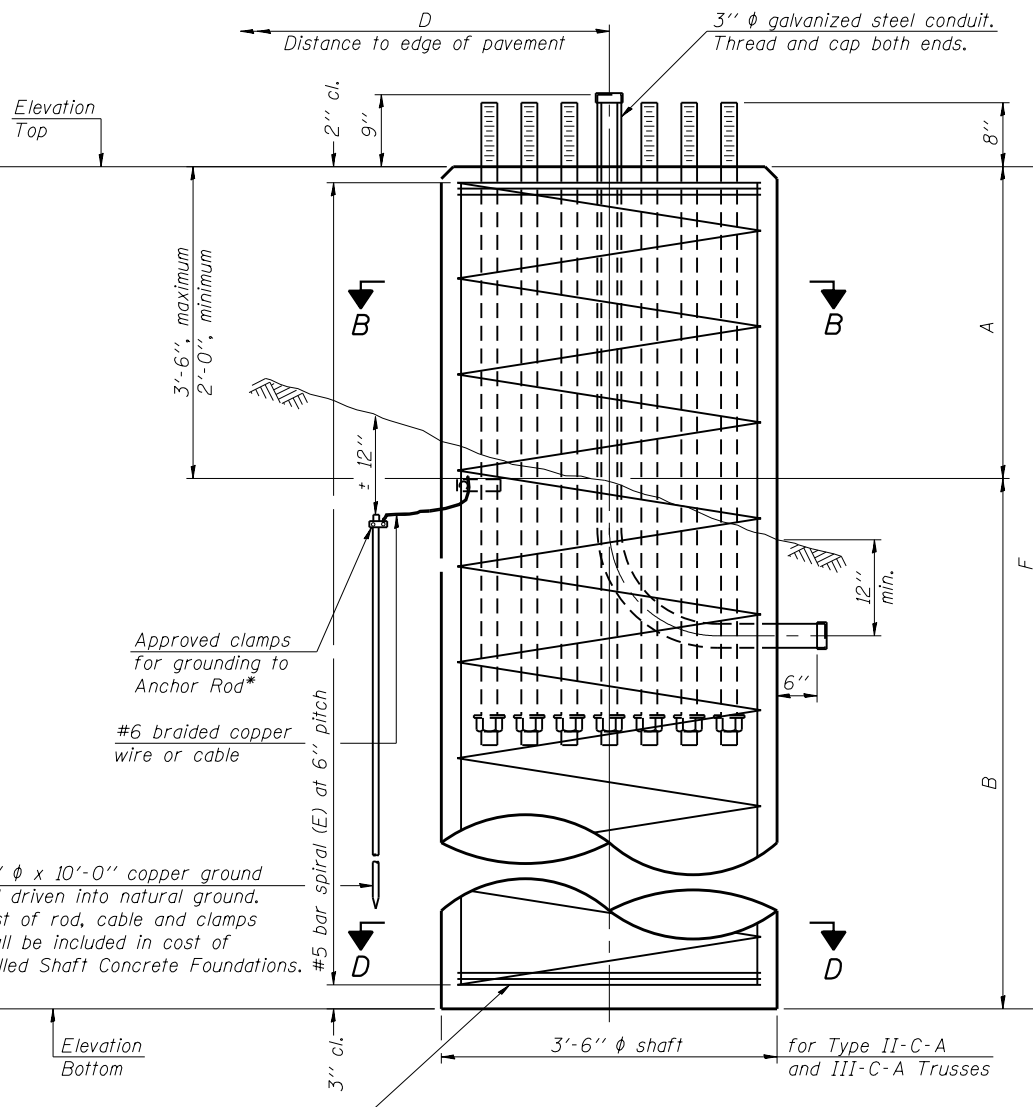
6-1-12

BOWMAN, BARRETT & ASSOCIATES INC. CONSULTING ENGINEERS Chicago, Illinois 312.228.0100 www.bbainc.com	USER NAME =	DESIGNED - JGC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CANTILEVER SIGN STRUCTURES - GENERAL PLAN & ELEVATION ALUMINUM TRUSS & STEEL POST	F.A.I. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	CHECKED - BAK	REVISED -			94	2012-059-BR	COOK	631	255
	PLOT DATE = 03/29/2013	DRAWN - JGC	REVISED -			CONTRACT NO. 60J12		ILLINOIS FED. AID PROJECT		
		CHECKED - TL	REVISED -			SHEET NO. S-11 OF S-18 SHEETS				

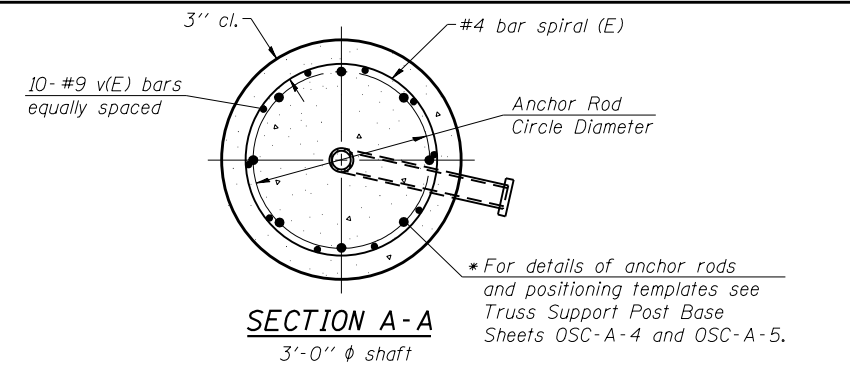
\* Grind anchor rod to bright finish at ground clamp location before installing clamp.



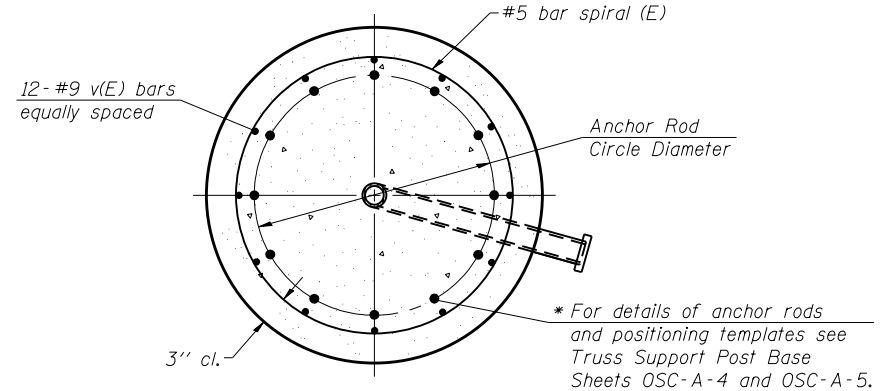
**ELEVATION**



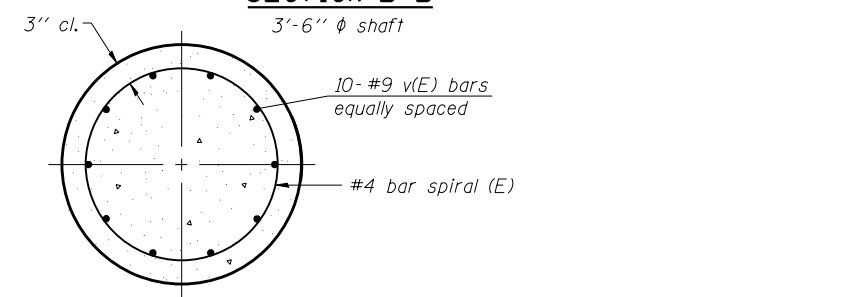
**ELEVATION**



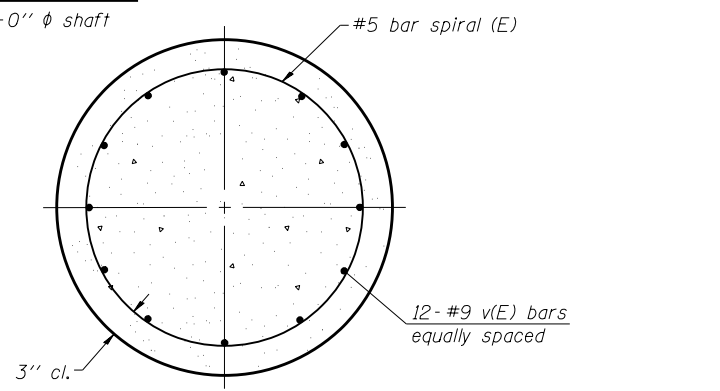
**SECTION A-A**  
3'-0"  $\phi$  shaft



**SECTION B-B**  
3'-6"  $\phi$  shaft



**SECTION C-C**  
3'-0"  $\phi$  shaft



**SECTION D-D**  
3'-6"  $\phi$  shaft

**NOTES:**  
 The foundation dimensions shown in the Foundation Design Table are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength ( $Q_u$ ) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown in the Foundation Data Table will be the result of site specific designs.  
 If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference.  
 No sonotubes or decomposable forms shall be used below the lower conduit entrance. Permanent metal forms or other shielding may not be left in place below that elevation without the Engineer's written permission.  
 Concrete shall be placed monolithically, without construction joints.  
 Backfill shall be placed per Article 502 of Standard Specifications and prior to erection of support column.  
 A normal surface finish followed by a Concrete Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in "Drilled Shaft Concrete Foundations".

Truss Type	Post Base Sheet	Maximum Cantilever Length (ft)	Maximum Total Sign Area (sq ft)	Shaft Diameter (in)	"B" Depth (ft)	Anchor Rods		Anchor Rod Circle Diameter (in)
						No.	Diameter (in)	
I-C-A	OSC-A-4	25	170	3.0	16.0	8	2	22
II-C-A	OSC-A-5	30	170	3.5	17.0	12	2	30
II-C-A	OSC-A-5	30	340	3.5	21.5	12	2	30
III-C-A	OSC-A-5	35	170	3.5	19.0	12	2	30
III-C-A	OSC-A-5	35	250	3.5	22.5	12	2	30
III-C-A	OSC-A-5	35	400	3.5	26.5	12	2	30
III-C-A	OSC-A-5	40	400	3.5	32.0	12	2	30

Structure Number	Station	Truss Type	Shaft Diameter	Elevation Top	Elevation Bottom	$Q_u$	A	B	F	Class DS Concrete Cubic Yards
1C0161094R000.0-001	101+88	III-C-A	3.5 Ft.	585.5	564.5	1.25 tsf	2 Ft.	19 Ft.	21 Ft.	7.5

OSC-A-9 6-1-12

BOWMAN, BARRETT & ASSOCIATES INC.  
 CONSULTING ENGINEERS  
 Chicago, Illinois  
 312.228.0100  
 www.bbainc.com

USER NAME =  
 DESIGNED - JGC  
 CHECKED - BAK  
 PLOT SCALE =  
 DRAWN - JGC  
 PLOT DATE = 03/29/2013  
 DESIGNED - JGC  
 CHECKED - TL

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURES - DRILLED SHAFT  
 ALUMINUM TRUSS & STEEL POST

SHEET NO. S-12 OF S-18 SHEETS

F.A.I. R.T.E. SECTION COUNTY TOTAL SHEETS SHEET NO.  
 94 2012-059-BR COOK 631 256  
 CONTRACT NO. 60J12  
 ILLINOIS FED. AID PROJECT



**GENERAL NOTES**

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

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

LOADING: 90 M.P.H. WIND VELOCITY

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

DESIGN STRESSES:

Field Units  
 $f_c = 3,500$  p.s.i.  
 $f_y = 60,000$  p.s.i. (reinforcement)

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

MATERIALS: Aluminum Alloys as shown throughout plans. All Structural Steel Pipe shall be ASTM A53 Grade B with a minimum yield of 35,000 p.s.i., or A500 Grade B or C with a minimum yield of 46,000 p.s.i. If A500 pipe is substituted for A53, then the outside diameter shall be as detailed and wall thickness greater than or equal to A53.

All Structural Steel Plates and Shapes shall conform to AASHTO M270 Gr. 36, Gr. 50 or Gr. 50W. Stainless steel for shims, sleeves and handhole covers shall be ASTM A240, Type 302 or 304, or another alloy suitable for exterior exposure and acceptable to the Engineer. The steel pipe and stiffening ribs of the base plate for the column shall have a minimum longitudinal Charpy V-Notch (CVN) energy of 15 lb.-ft. at 40° F. (Zone 2) before galvanizing.

FASTENERS FOR ALUMINUM TRUSSES: All bolts noted as "high strength" must satisfy the requirements of AASHTO M164 (ASTM A325), or approved alternate, and must have matching lock nuts. Threaded studs for splices (if Members interfere) must satisfy the requirements of ASTM A449, ASTM A193, Grade B7, or approved alternate, and must have matching lock nuts. Bolts and lock nuts not required to be high strength must satisfy the requirements of ASTM A307. All bolts and lock nuts must be hot dip galvanized per AASHTO M232. The lock nuts must have nylon or steel inserts. A stainless steel flat washer conforming to ASTM A240 Type 302 or 304, is required under both head and nut or under both nuts where threaded studs are used. High strength bolt installation shall conform to Article 505.04 (1) (2) of the IDOT Standard Specifications for Road and Bridge Construction. Rotational capacity ("ROCAP") testing of bolts will not be required.

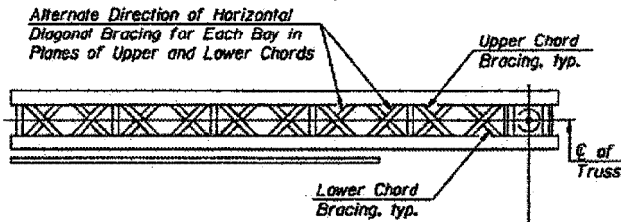
U-BOLTS AND EYEBOLTS: U-Bolts and Eyebolts must be produced from ASTM A276 Type 304, 304L, 316 or 316L, Condition A, cold finished stainless steel, or an equivalent material acceptable to the Engineer. All nuts for U-Bolts and Eyebolts must be lock nuts equivalent to ASTM A307 with nylon or steel inserts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

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

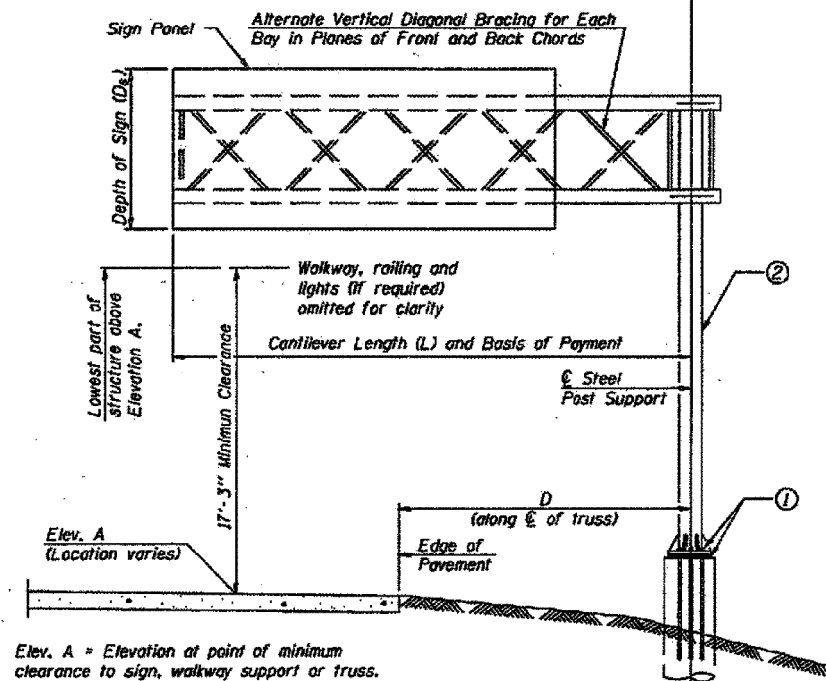
ANCHOR RODS: Shall conform to AASHTO M314 Gr. 55 with a minimum Charpy V-Notch (CVN) energy of 15 lb.-ft. at 10° F.

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

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



TYPICAL PLAN  
 (Walkway not shown)



TYPICAL ELEVATION  
 Looking in Direction of Traffic

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

Sign support structures may be subject to damaging vibrations and oscillations when sign panels are not in place during erection or maintenance of the structure. To avoid these vibrations and oscillations, consideration should be given to attaching temporary blank sign panels to the structure.

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

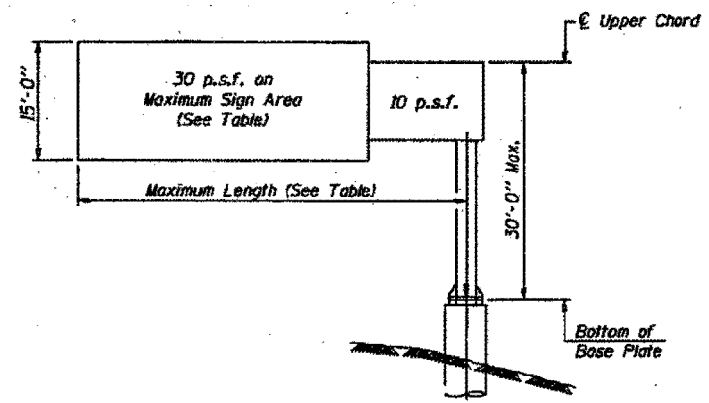
NUMBER	REVISION	DATE

Structure Number	Station	Design Truss Type	Cantilever Length (L)	Elev. A	Dim. D	D <sub>s</sub>	Total Sign Area
SB STONEY ISLAND N/O I-94		III	25 Ft.	0 Ft.	11	4.62 Ft.	70 Sq. Ft.
WB 159TH W/O DIXIE HWY.		I	25 Ft.	0 Ft.	15	3.03 Ft.	41 Sq. Ft.
EB 159TH W/O CRAWFORD		III	25 Ft.	0 Ft.	15	4.62 Ft.	70 Sq. Ft.
SB MANNHEIM S/O I-190		III	35 Ft.	0 Ft.	23	4.62 Ft.	41 Sq. Ft.
NB MANNHEIM S/O ICRR BRIDGE		I	25 Ft.	0 Ft.	**	3.03 Ft.	41 Sq. Ft.
SB MANNHEIM N/O I-290		I	25 Ft.	0 Ft.	15	3.03 Ft.	41 Sq. Ft.

\* RIGHT SIDE MOUNTED DMS

\*\* CENTERED IN MEDIAN

Truss Type	Maximum Sign Area	Maximum Length
I-C-A	170 Sq. Ft.	25 Ft.
II-C-A	340 Sq. Ft.	30 Ft.
III-C-A	400 Sq. Ft.	40 Ft.



**DESIGN WIND LOADING DIAGRAM**

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

- ① After adjustments to level truss and insure adequate vertical clearance, all top and leveling nuts shall be tightened against the base plate with a minimum torque of 200 lb.-ft. Stainless steel mesh shall then be placed around the perimeter of the base plate. Secure to base plate with stainless steel banding.
- ② SB MANNHEIM RD. S/O I-190 DMS WILL BE MOUNTED ON RIGHT SIDE OF STEEL POST SUPPORT.

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

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
OVERHEAD SIGN STRUCTURE CANTILEVER TYPE I-C-A	Foot	75.0
OVERHEAD SIGN STRUCTURE CANTILEVER TYPE II-C-A	Foot	
OVERHEAD SIGN STRUCTURE CANTILEVER TYPE III-C-A	Foot	85.0
OVERHEAD SIGN STRUCTURE WALKWAY, TYPE A	Foot	
DRILLED SHAFT CONCRETE FOUNDATIONS	Cu. Yds.	36.6

ILLINOIS DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURES  
 GENERAL PLAN & ELEVATION  
 ALUMINUM TRUSS & STEEL POST

SCALE: VERT. N.T.S.  
 HORIZ. N.T.S.  
 DATE: DATE-TIME

DRAWN BY: ISH  
 DESIGNED BY: JDO  
 CHECKED BY: JDO

OSC-A-1

2/12/31 PM

S:\1072\_05\_CADD\Structures\CADD\_Sign\_Structures\CADD\_Sign\_Structures-68.112-013-FY02.dgn/2013

BOWMAN, BARRETT & ASSOCIATES INC.  
 CONSULTING ENGINEERS  
 Chicago, Illinois  
 312.228.0100  
 www.bbainc.com

USER NAME	DESIGNED	REVISION
JGC	JGC	-
BAK	BAK	-
JGC	JGC	-
TL	TL	-

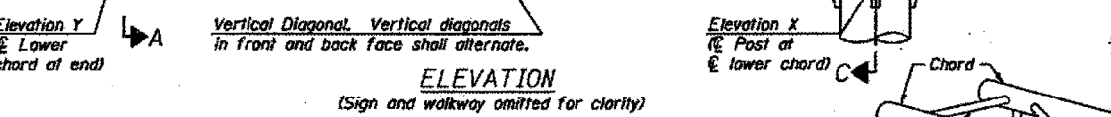
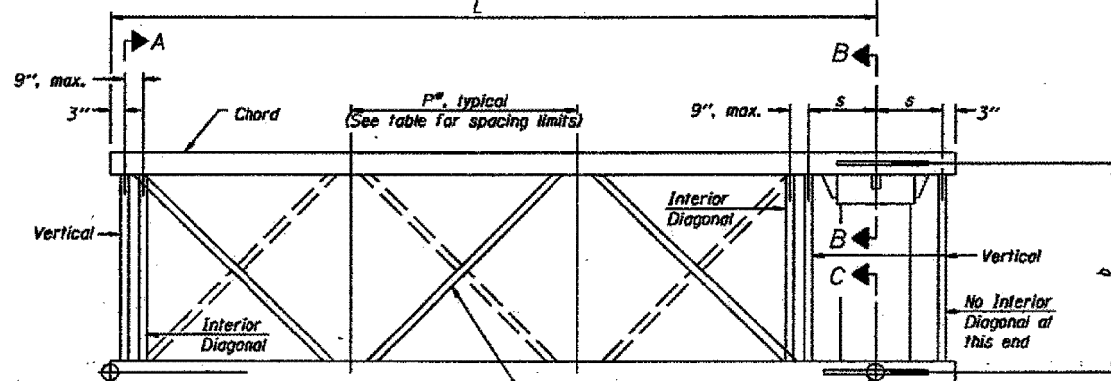
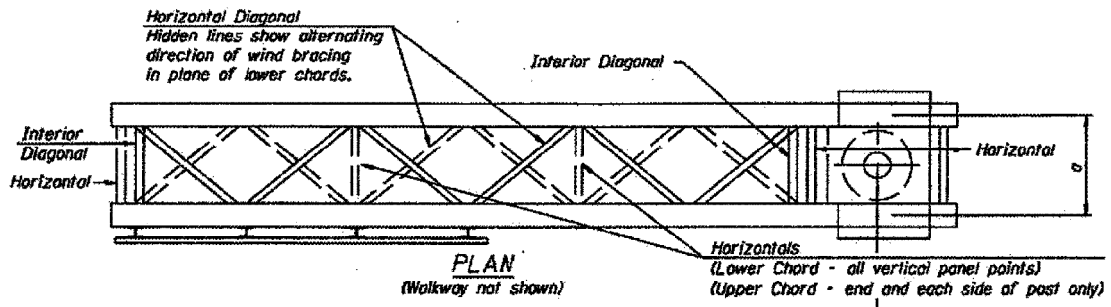
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING CANTILEVER DMS STRUCTURE (FOR INFORMATION ONLY)

SHEET NO. S-13 OF S-18 SHEETS

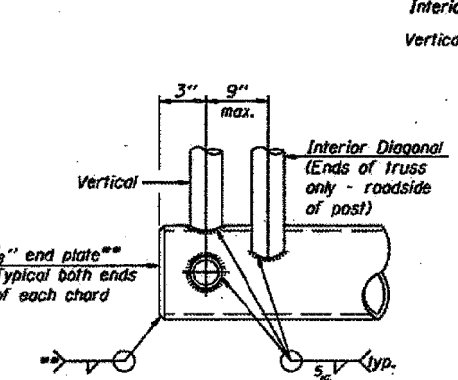
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	257
CONTRACT NO. 60J12				

ILLINOIS FED. AID PROJECT



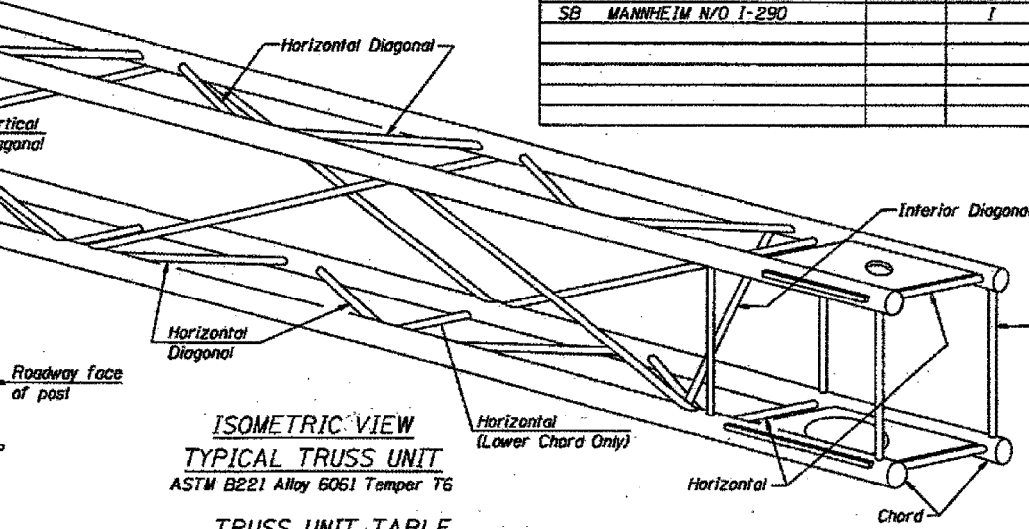
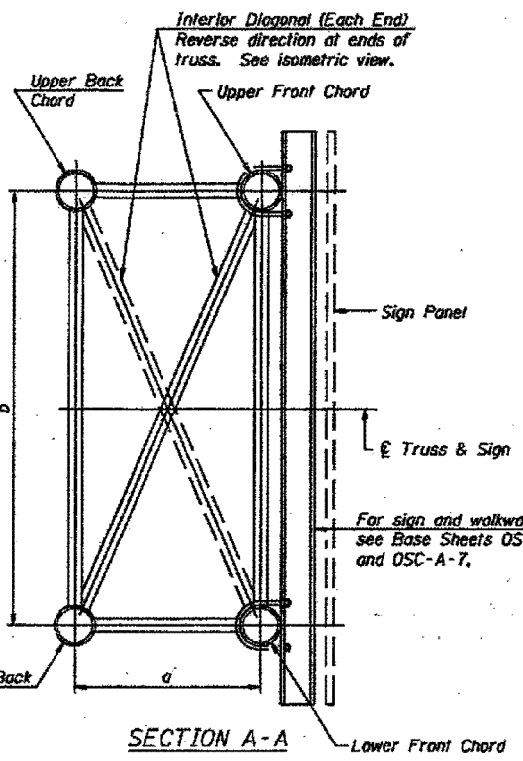
**TYPICAL TRUSS UNIT**  
 For Section B-B and Section C-C, see Base Sheet OSC-A-3.

Note:  
 There are twice as many horizontal diagonals as there are vertical diagonals.

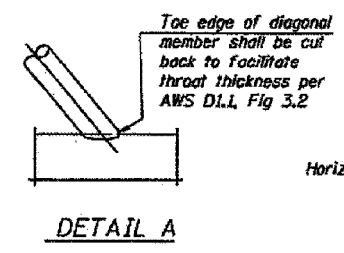


**CANTILEVER END JOINT DETAIL**  
 \*\* Contractor may alternatively use standard aluminum drive-fit cap to close ends.

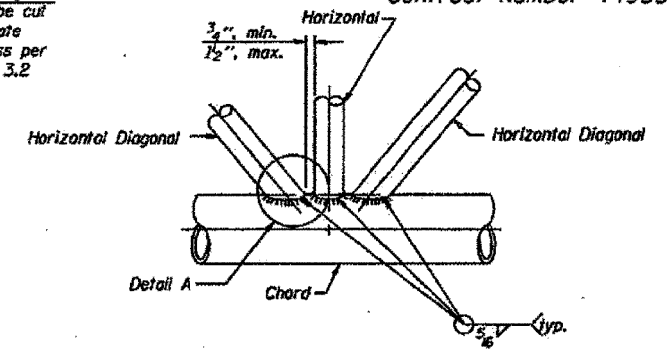
OSC-A-2



**TYPICAL TRUSS UNIT**  
 ASTM B221 Alloy 6061 Temper T6



**DETAIL A**



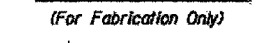
**TRUSS INTERIOR JOINT DETAIL**

Structure Number	Station	Truss Type	Design Length (L)	Number of Panels Per Unit	Panel Length (P)*
SB STONEY ISLAND N/O I-94		III	25 Ft.	5	4.6 Ft.
WB 159TH W/O DIXIE HWY.		I	25 Ft.	6	3.9 Ft.
EB 159TH W/O CRAWFORD		III	25 Ft.	5	4.6 Ft.
SB MANNHEIM S/O I-190		III	35 Ft.	6	5.5 Ft.
NB MANNHEIM S/O ICRB BRIDGE		I	25 Ft.	6	3.9 Ft.
SB MANNHEIM N/O I-290		I	25 Ft.	6	3.9 Ft.

**SHOP CAMBER TABLE**

Unit Length (L)	Shop Camber at End
15'	1 1/2"
16'-17'	1 3/4"
18'-20'	2"
21'-22'	2 1/4"
23'-25'	2 1/2"
26'-27'	2 3/4"
28'-30'	3"
31'-32'	3 1/4"
33'-35'	3 1/2"
36'-37'	4"
38'-40'	4 1/2"

**CAMBER DIAGRAM**  
 (For Fabrication Only)



**TRUSS UNIT TABLE**

Truss Type	Dimension "a"	Dimension "b"	Dimension "c"	Limits for Panel Spacing (P)*	Up. & Low. Chord O.D.		Verticals, Horizontals, Vertical, Horizontal, and Interior Diagonals O.D.	
					Wall	Wall	Wall	Wall
I-C-A	24"	54"	15"	36" min. to 48" max.	5"	5/16"	2 1/2"	5/16"
II-C-A	36"	66"	21"	42" min. to 54" max.	6 1/2"	5/16"	3 1/4"	5/16"
III-C-A (35' Max.)	36"	84"	21"	48" min. to 66" max.	7"	3/8"	3 1/2"	3/8"
III-C-A (35' to 40')	36"	84"	21"	48" min. to 66" max.	8"	3/8"	3 1/2"	3/8"

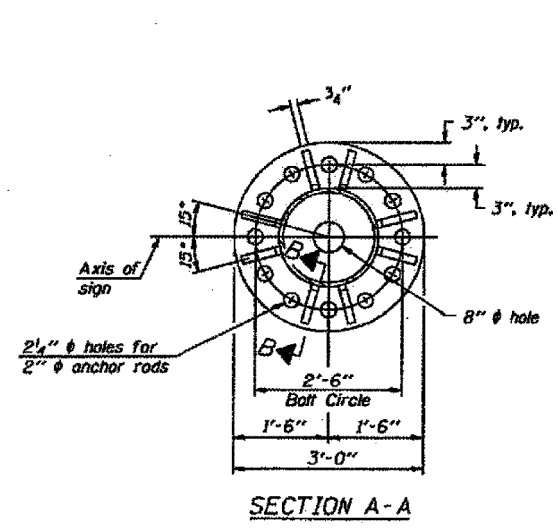
\*P = L-5-3" / # Panels

NUMBER	REVISION	DATE

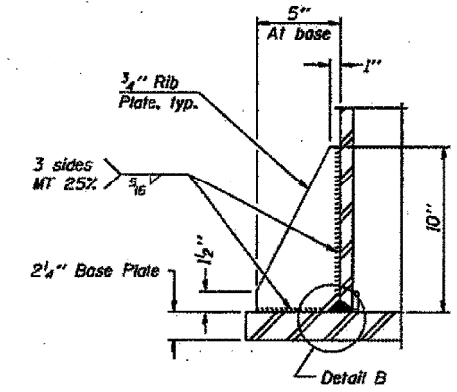
ILLINOIS DEPARTMENT OF TRANSPORTATION

**CANTILEVER SIGN STRUCTURES  
 TRUSS DETAILS  
 ALUMINUM TRUSS & STEEL POST**

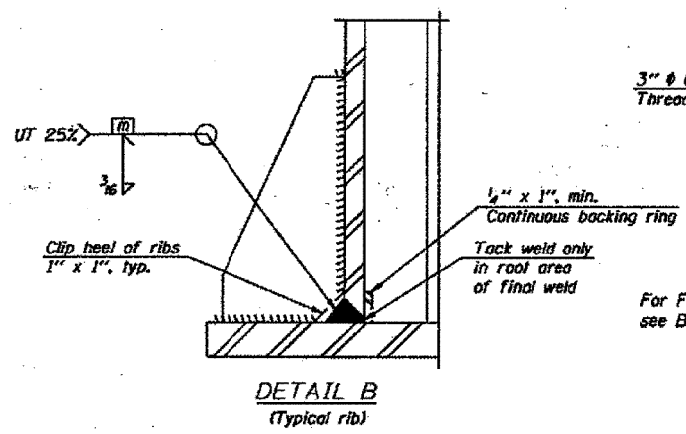
SCALE: VERT. N.T.S.  
 HORIZ. N.T.S.  
 DATE: DATE-TIME  
 DRAWN BY: JSH  
 DESIGNED BY: JDO  
 CHECKED BY: JAD



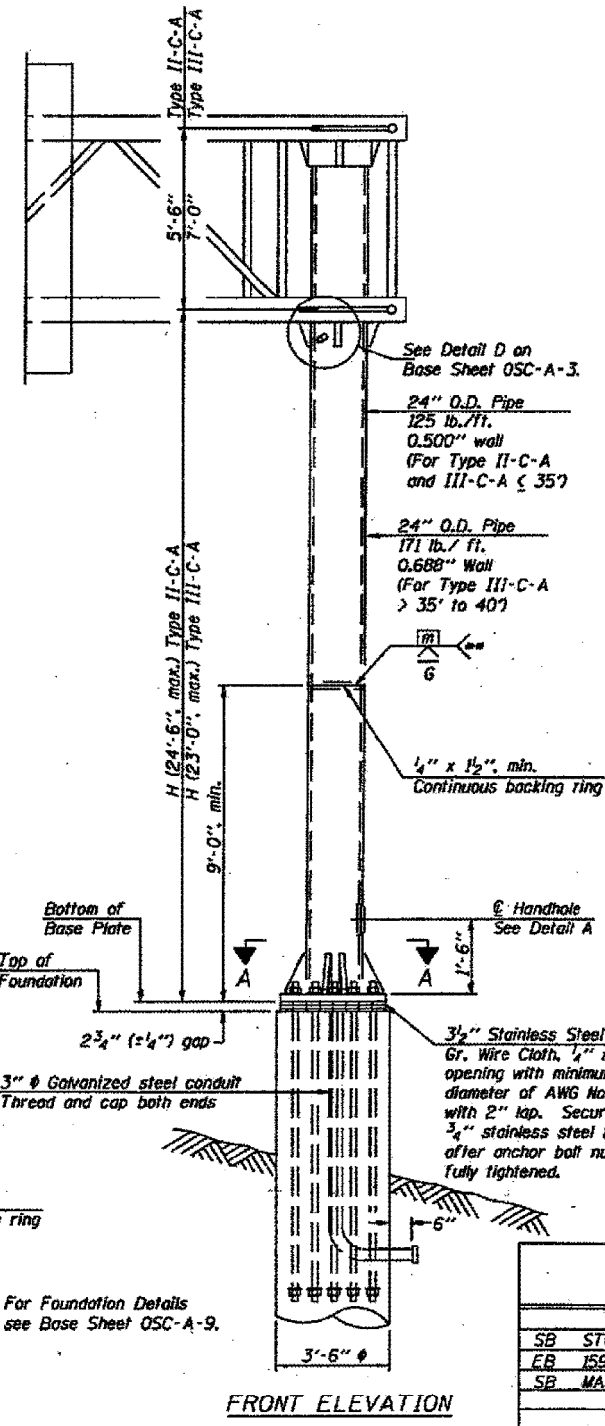
SECTION A-A



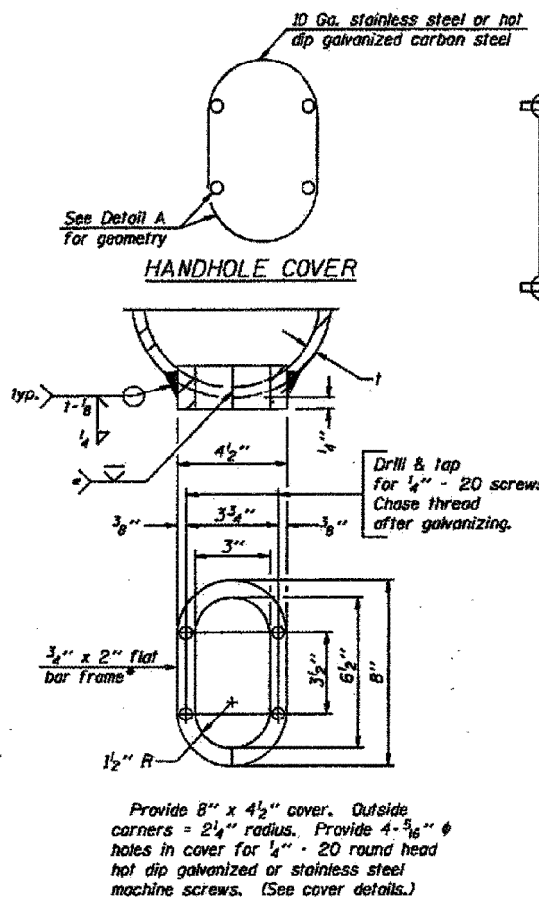
SECTION B-B



DETAIL B  
(Typical rib)



FRONT ELEVATION



DETAIL A

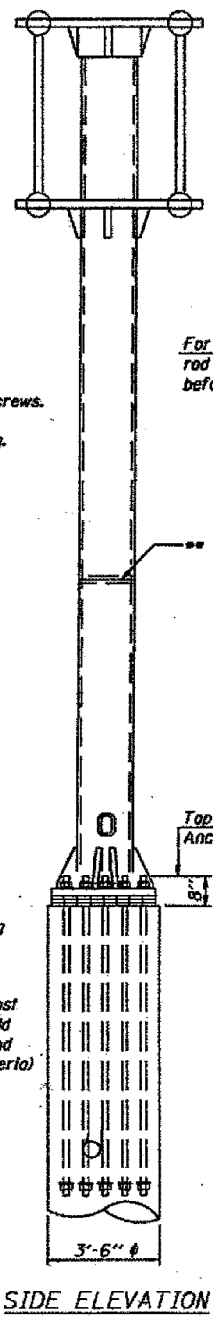
Provide 8" x 4 1/2" cover. Outside corners = 2 1/4" radius. Provide 4 - 3/16" holes in cover for 1/4" - 20 round head hot dip galvanized or stainless steel machine screws. (See cover details.)

\* Bent bars may be butt welded top and bottom or bottom only. In lieu of fabricated handhole frame as shown, may cut from 2" plate (rolling direction vertical). All cut faces to be ground to ANSI Roughness of 500 μin or less.

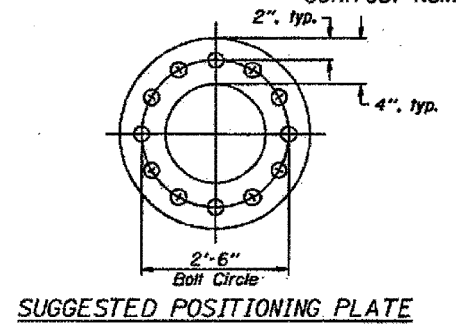
\*\* Butt welded joint in post is only allowed for post heights (H) over 20 ft. in length. If used, weld procedure must be preapproved by Engineer and joint shall receive 100% RT or UT (tension criteria) at Contractor's expense.

Structure Number	Station	H
SB STONEY ISLAND N/O I-94		17.5 Ft.
EB 159TH W/O CRAWFORD		17.5 Ft.
SB WANNHEIM S/O I-190		17.5 Ft.

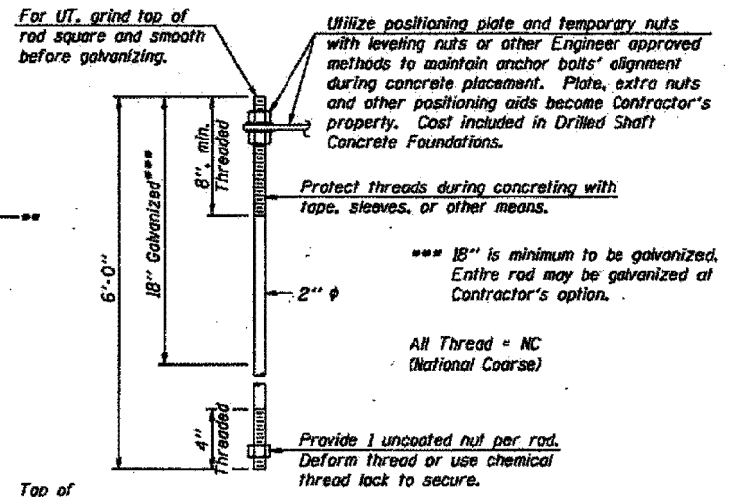
Note: "H" based on 15'-0" or actual sign height, whichever is greater.



SIDE ELEVATION



SUGGESTED POSITIONING PLATE



ANCHOR ROD DETAIL

Anchor rods shall conform to AASHTO M314 Grade 55 and meet Charpy V-Notch (CVN) energy of 15 lb.-ft. at 10° F. before galvanizing. Galvanize the upper 18" (minimum\*\*\*), and associated M291, Grade A, C or DH heavy hex nuts and hardened washers per AASHTO M232. No welding shall be permitted on rods. Provide an unfinished nut at bottom, a hexagon locknut and washer above base plate and a leveling nut and washer below base plate. Nuts shall each be tightened with 200 lb.-ft. minimum torque against base plate. Before or after threading, but before galvanizing, each anchor rod shall be ultrasonically tested (UT) by a Level II or III inspector, qualified in accord with ANSI guidelines, using a straight beam, 1/2" φ 3.5 mhz. transducer, to insure no rejectable flaws exist in the upper 18" (tension criteria). Cost of testing included in Drilled Shaft Concrete Foundations.

CANTILEVER SIGN STRUCTURES  
 TYPE II-C-A & III-C-A TRUSS SUPPORT POST  
 ALUMINUM TRUSS & STEEL POST

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. N.T.S.  
 HORIZ. N.T.S.  
 DATE: DATE-TIME  
 DRAWN BY: JSH  
 DESIGNED BY: JSH  
 CHECKED BY: JAD

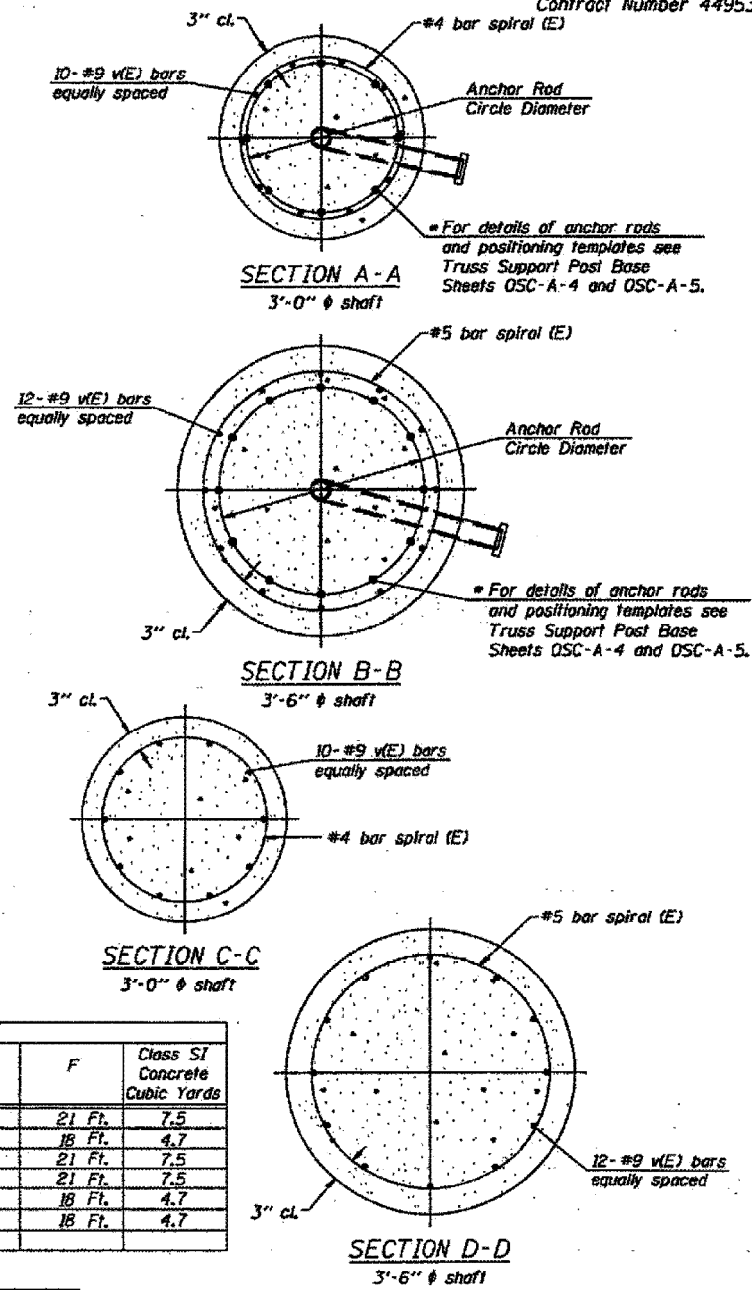
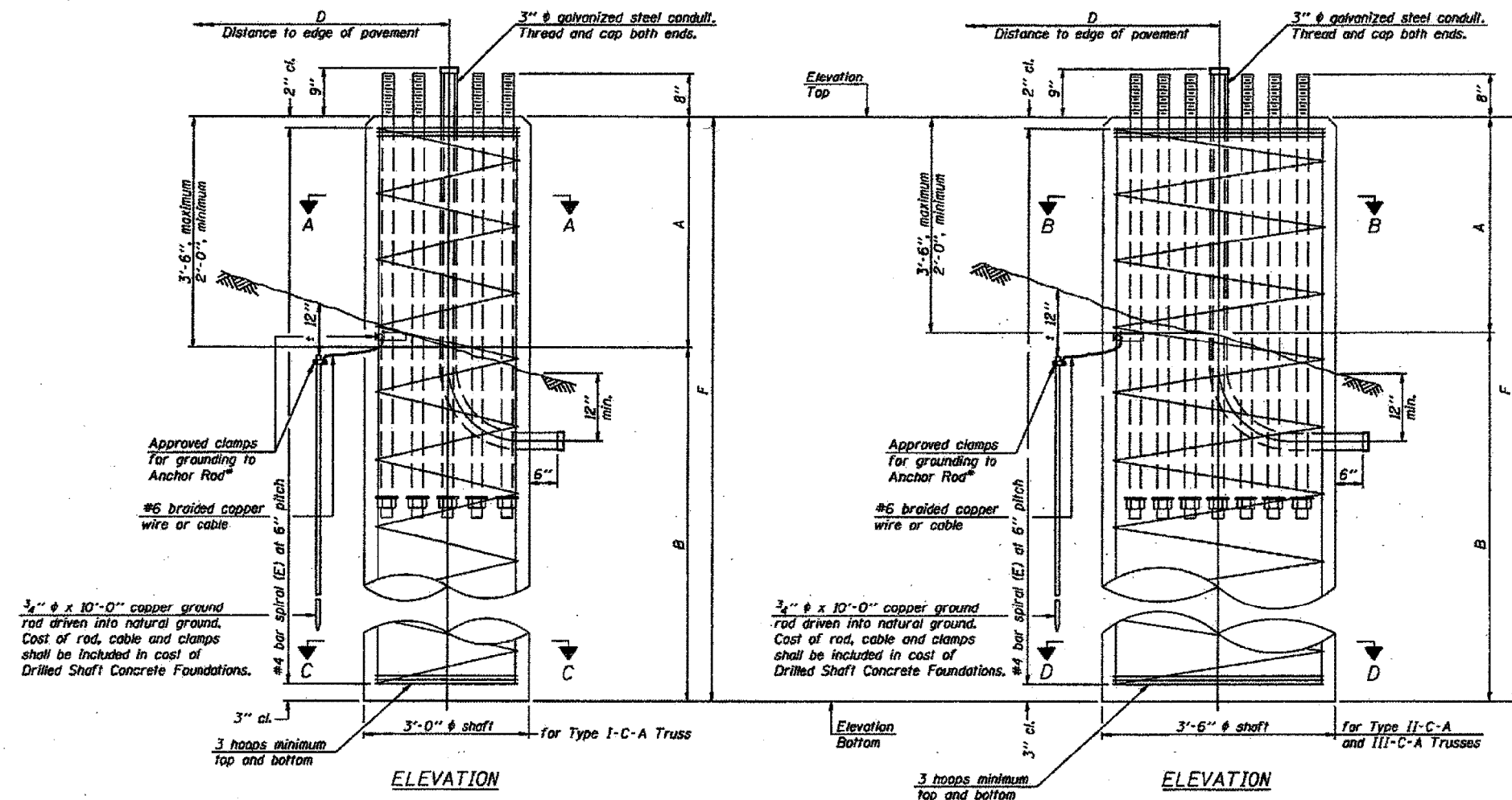
OSC-A-5

NUMBER	REVISION	DATE

21240 PH

S:\1072\_05\_CADD\Sign Structures\CADD Sheets\Sign Structures-68112-015-FY03.dwg/2013

Grind anchor rod to bright finish at ground clamp location before installing clamp.



**NOTES:**  
 The foundation dimensions shown in the Foundation Design Table are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Qu) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown in the Foundation Data Table will be the result of site specific designs.  
 If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference.  
 No sonotubes or decomposable forms shall be used below the lower conduit entrance. Permanent metal forms or other shielding may not be left in place below that elevation without the Engineer's written permission.  
 Concrete shall be placed monolithically, without construction joints.  
 Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column.  
 A normal surface finish followed by a Bridge Seat Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in "Drilled Shaft Concrete Foundation".

Structure Number	Station	Truss Type	Shaft Diameter	Elevation Top	Elevation Bottom	Qu	A	B	F	Class ST Concrete Cubic Yards
SB STONEY ISLAND N/O I-94		III	3.5 Ft.	2 Ft.	-19 Ft.		2 Ft.	19 Ft.	21 Ft.	7.5
WB 159TH W/O DIXIE HWY.		I	3.0 Ft.	2 Ft.	-16 Ft.		2 Ft.	16 Ft.	16 Ft.	4.7
EB 159TH W/O CRAWFORD		III	3.5 Ft.	2 Ft.	-19 Ft.		2 Ft.	19 Ft.	21 Ft.	7.5
SB MANNHEIM S/O I-190		III	3.5 Ft.	2 Ft.	-19 Ft.		2 Ft.	19 Ft.	21 Ft.	7.5
NB MANNHEIM S/O ICRR BRIDGE		I	3.0 Ft.	2 Ft.	-16 Ft.		2 Ft.	16 Ft.	16 Ft.	4.7
SB MANNHEIM N/O I-290		I	3.0 Ft.	2 Ft.	-16 Ft.		2 Ft.	16 Ft.	16 Ft.	4.7

Truss Type	Post Base Sheet	Maximum Cantilever Length (ft)	Maximum Total Sign Area (sq ft)	Shaft Diameter (in)	"B" Depth (ft)	Anchor Rods		Anchor Rod Circle Diameter (in)
						No.	Diameter (in)	
I-C-A	OSC-A-4	25	170	3.0	16.0	8	2	22
II-C-A	OSC-A-5	30	170	3.5	17.0	12	2	30
II-C-A	OSC-A-5	30	340	3.5	21.5	12	2	30
III-C-A	OSC-A-5	35	170	3.5	19.0	12	2	30
III-C-A	OSC-A-5	35	250	3.5	22.5	12	2	30
III-C-A	OSC-A-5	35	400	3.5	26.5	12	2	30
III-C-A	OSC-A-5	40	400	3.5	32.0	12	2	30

NUMBER	REVISION	DATE

OSC-A-9

ILLINOIS DEPARTMENT OF TRANSPORTATION

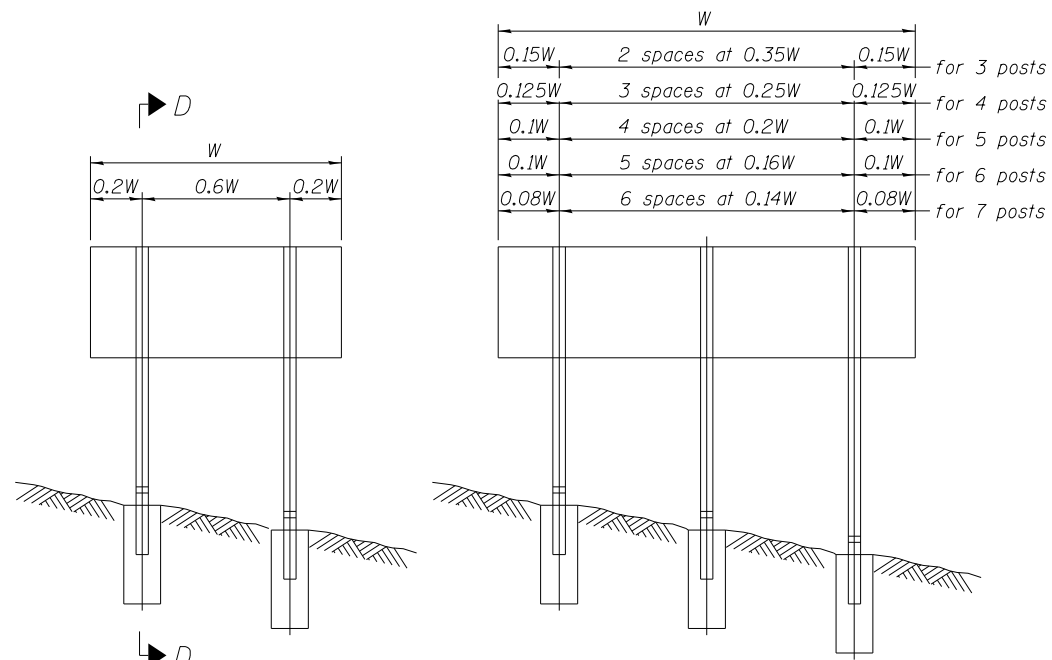
CANTILEVER SIGN STRUCTURES  
 DRILLED SHAFT  
 ALUMINUM TRUSS & STEEL POST

SCALE: VERT. N.T.S.  
 HORIZ. N.T.S.  
 DATE: -DATE-TIME-

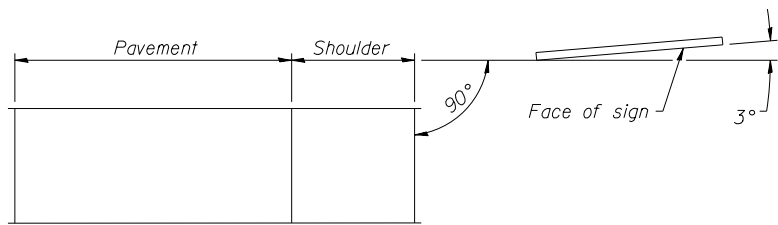
DRAWN BY: JSD  
 DESIGNED BY: JSD  
 CHECKED BY: JSD

21248 PH

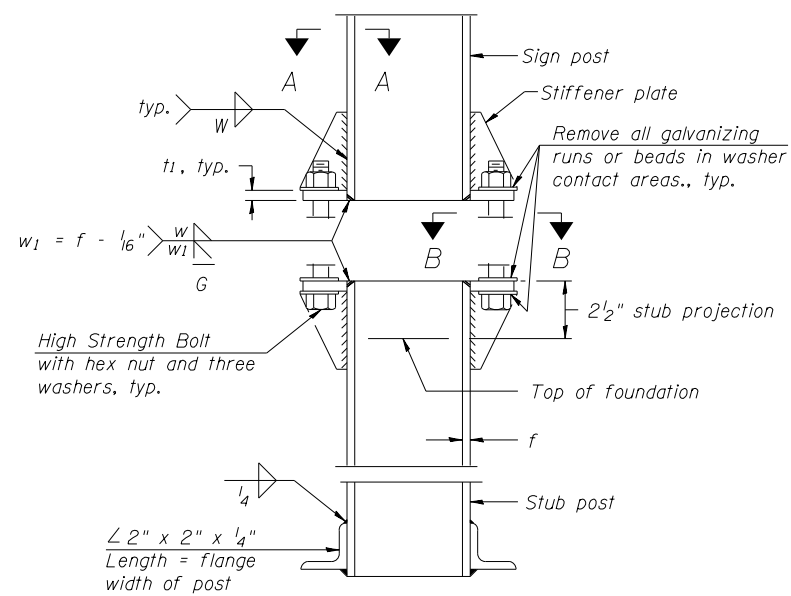
S:\1072\_05\_CADD\Structural\Sign Structures\CADD Sheets\SignStructures-60.112-017-BW\021248PH.dwg



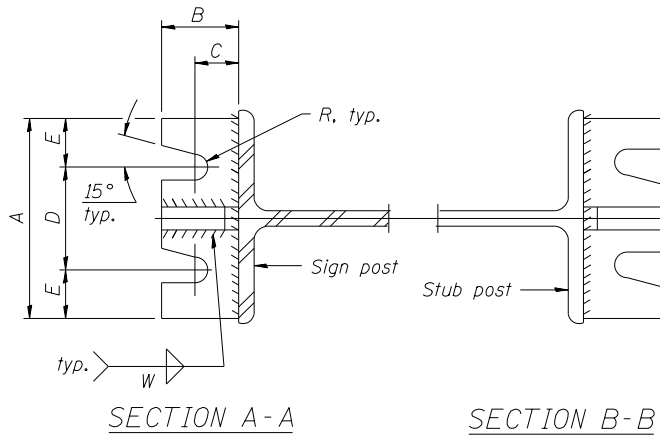
ELEVATION



LOCATION SKETCH

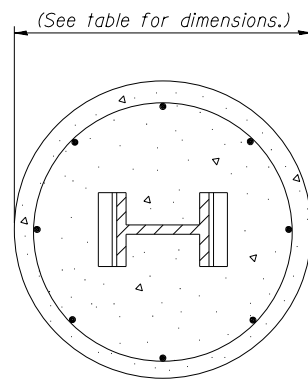


ELEVATION  
SIGN POST & STUB POST

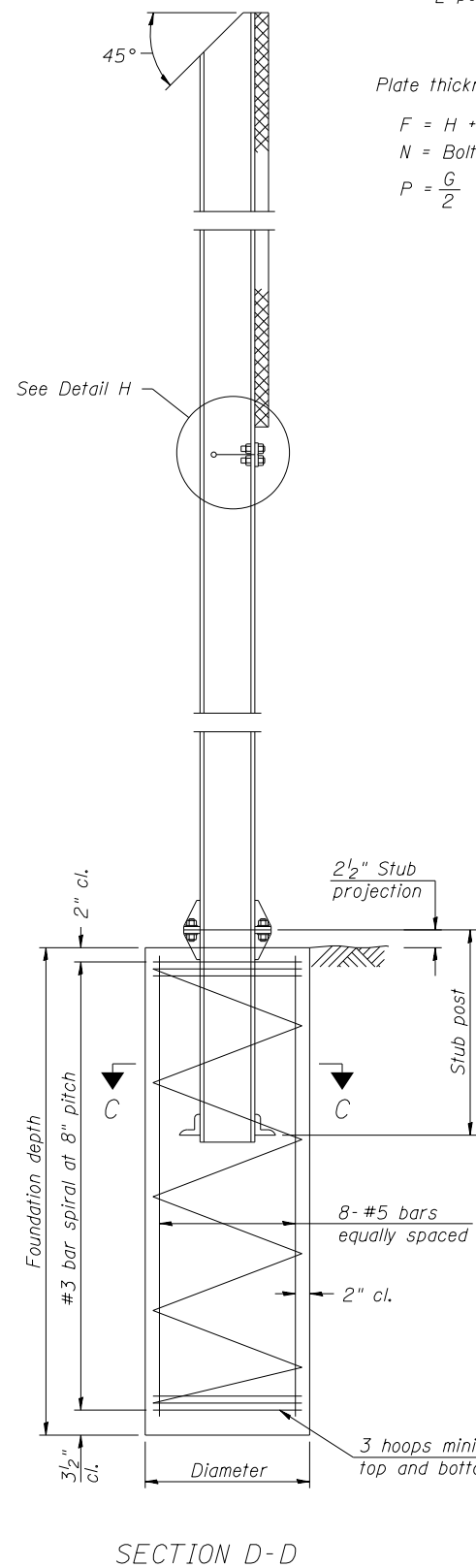


SECTION A-A

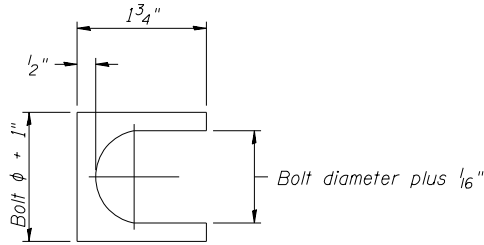
SECTION B-B



SECTION C-C

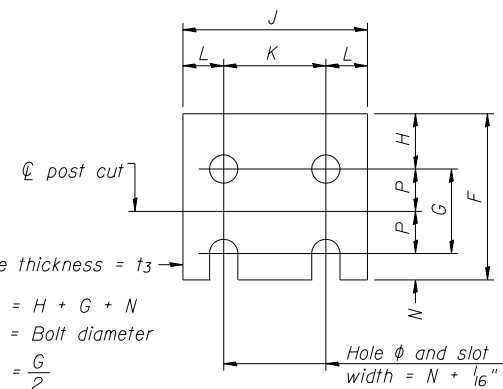


SECTION D-D



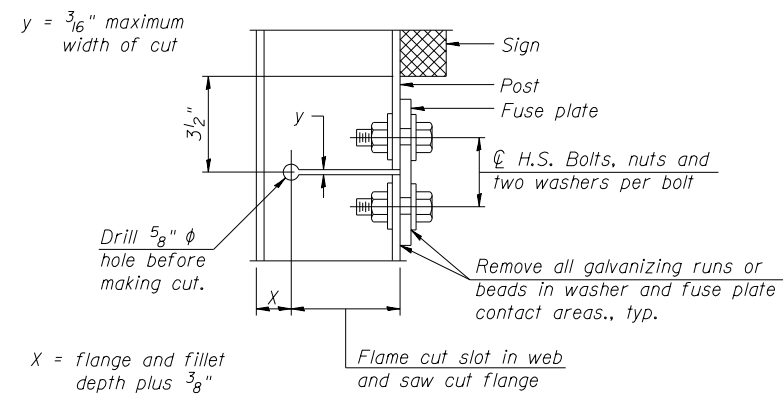
SHIM DETAIL

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

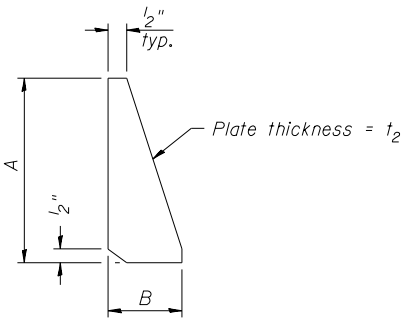


FUSE PLATE DETAIL  
(Install with notches down.)

FUSE PLATE DATA		
N = Bolt Diameter	G	H
1/2"	2"	1 1/8"
5/8"	2 1/4"	1 1/4"
3/4"	2 1/2"	1 3/8"
7/8"	2 3/4"	1 1/2"
1"	3"	1 5/8"
1 1/8"	3 1/4"	1 3/4"
1 1/4"	3 1/2"	1 7/8"



DETAIL H



STIFFENER PLATE DETAIL  
Diameter

GENERAL NOTES

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

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

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

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

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

(Sheet 1 of 2)

BAW-A-1

6-1-12

BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbainc.com

USER NAME =	DESIGNED - JGC	REVISED -
PLOT SCALE =	CHECKED - BAK	REVISED -
PLOT DATE = 03/29/2013	DRAWN - JGC	REVISED -
	CHECKED - TL	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BREAK-AWAY WIDE FLANGE  
STEEL SIGN POST DETAILS

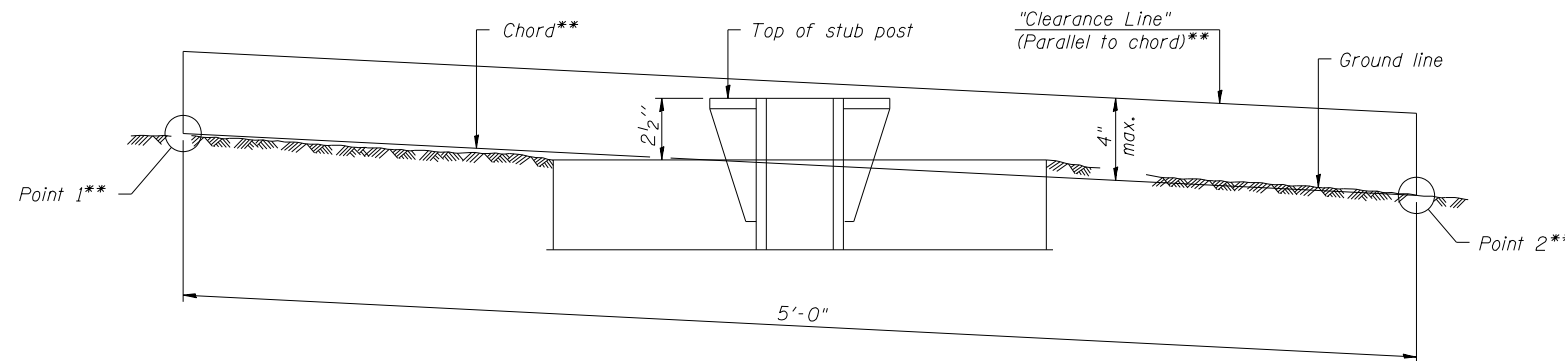
SHEET NO. S-17 OF S-18 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	261
CONTRACT NO. 60J12				
ILLINOIS FED. AID PROJECT				

POST	CONCRETE FOUNDATION TABLE							POST TO STUB POST CONNECTION DATA										FUSE PLATE DATA				
	Foundation			Reinforcement			Stub Post Length	Bolt Size	A	B	C	D	E	t <sub>1</sub>	t <sub>2</sub>	R	W	J	K	L	t <sub>3</sub>	
	Diameter	* Minimum Depth	Concrete (1) cu. yds.)	Vertical Bars Length	Bar Spirals Diameter	Length																lbs. (2)
W6x9	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-3"	5/8" x 3/4"	6"	2 1/4"	1 1/4"	3 1/2"	1 1/4"	3/4"	1/2"	11/32"	1 1/4"	4"	2 1/4"	7/8"	1/4"
W6x15	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-6"	5/8" x 3/4"	6"	2 1/4"	1 1/4"	3 1/2"	1 1/4"	3/4"	1/2"	11/32"	1 1/4"	6"	3 1/2"	1 1/4"	3/8"
W8x18	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-6"	3/4" x 3/4"	6"	2 1/2"	1 3/8"	3 1/4"	1 3/8"	1"	1/2"	13/32"	5/16"	5 1/4"	2 3/4"	1 1/4"	3/8"
W10x22	2'-6"	6'-6"	1.18	6'-3"	2'-2 1/2"	105'-0"	92	3'-0"	3/4" x 3/4"	6"	2 1/2"	1 3/8"	3 1/4"	1 3/8"	1"	1/2"	13/32"	5/16"	5 3/4"	2 3/4"	1 1/2"	1/2"
W10x26	2'-6"	7'-0"	1.27	6'-9"	2'-2 1/2"	112'-0"	98	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	15/32"	3/8"	5 3/4"	2 3/4"	1 1/2"	5/8"
W12x26	2'-6"	7'-9"	1.41	7'-6"	2'-2 1/2"	119'-0"	107	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	15/32"	3/8"	6 1/2"	3 1/2"	1 1/2"	5/8"
W14x30	3'-0"	7'-3"	1.90	7'-0"	2'-8 1/2"	145'-0"	113	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	15/32"	3/8"	6 3/4"	3 1/2"	1 5/8"	1/2"
W14x38	3'-0"	8'-0"	2.09	7'-9"	2'-8 1/2"	153'-0"	122	3'-6"	1" x 4 1/2"	7 1/2"	3"	1 3/4"	4"	1 3/4"	1 1/4"	3/4"	17/32"	3/8"	6 3/4"	3 1/2"	1 5/8"	1/2"
W16x45	3'-0"	8'-6"	2.23	8'-3"	2'-8 1/2"	162'-0"	130	3'-6"	1" x 4 1/2"	7 1/2"	3"	1 3/4"	4"	1 3/4"	1 1/4"	3/4"	17/32"	3/8"	7"	3 1/2"	1 3/4"	1/2"

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

POST	FUSE PLATE BOLT SIZE																				
	Sign Height																				
	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"	11'-0"	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"	17'-0"	18'-0"	19'-0"	20'-0"	21'-0"	22'-0"	23'-0"	24'-0"
W6x9	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
W6x15	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	5/8" x 2"	5/8" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	—	—	—	—	—	—	—	—	—	—	—	—
W8x18	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	5/8" x 2"	5/8" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	—	—	—	—	—	—	—	—	—	—	—
W10x22	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2"	5/8" x 2"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	—	—	—	—	—	—	—	
W10x26	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	—	—	—	—	—	—	
W12x26	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	—	—	—	—	—	
W14x30	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2"	5/8" x 2"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	—	—	—	
W14x38	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	3/4" x 2 1/2"	7/8" x 2 1/2"	7/8" x 2 1/2"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"
W16x45	—	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	7/8" x 2 1/2"	7/8" x 2 1/2"	7/8" x 2 1/2"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"



ELEVATION  
GROUND LINE & STUB POST

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

- (1) Quantity includes all concrete necessary for one foundation.
- (2) Includes reinforcement bars and spiral hooping for one foundation.

2/12/11 PM

S:\1072\_05\_CADD\Structural\Sign Structures\Sign Structures\CADD Sheets\Sign Structures\60.112-018-BW022.dwg

BAW-A-2

6-1-12

(Sheet 2 of 2)

BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbainc.com

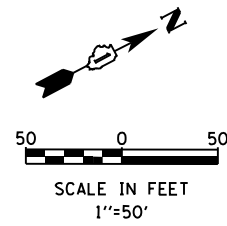
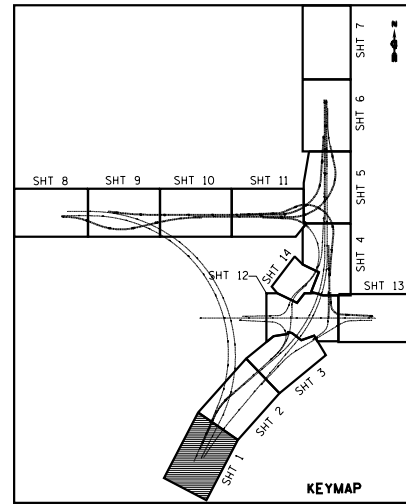
USER NAME =	DESIGNED - JGC	REVISED -
	CHECKED - BAK	REVISED -
PLOT SCALE =	DRAWN - JGC	REVISED -
PLOT DATE = 03/29/2013	CHECKED - TL	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BREAK-AWAY WIDE FLANGE  
STEEL SIGN POST TABLES

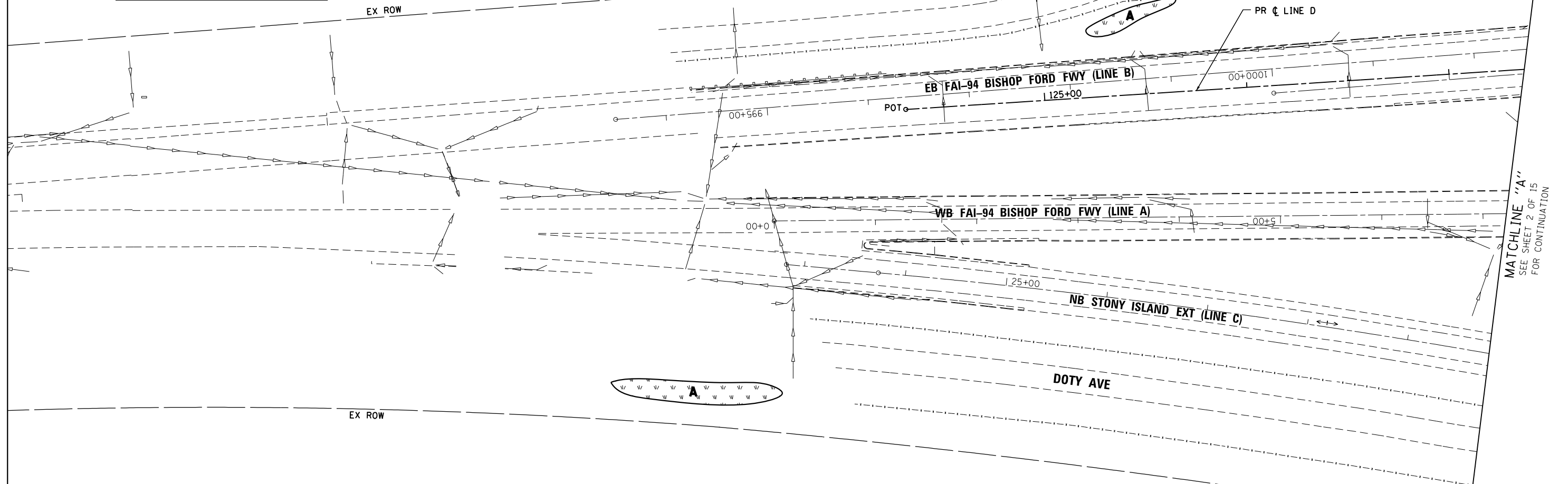
SHEET NO. S-18 OF S-18 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	262
CONTRACT NO. 60J12			ILLINOIS FED. AID PROJECT	



**GENERAL NOTES**

1. THE FOLLOWING ITEMS HAVE BEEN PROVIDED FOR VEGETATION MANAGEMENT. THE ACTUAL NEED FOR THESE ITEMS WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. IF THESE PAY ITEMS ARE NOT USED OR ARE NOT USED IN THEIR ENTIRETY, THE REMAINING QUANTITY SHALL BE DEDUCTED FROM THE TOTAL AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR: WEED CONTROL, AQUATIC, WEED CONTROL, TEASEL, WEED CONTROL, NATIVE GRASS RESTORATION, MOWING & MOWING (SPECIAL).
2. TOPSOIL FURNISH AND PLACE, 12" WILL BE USED FOR ALL TREE PLANTING BEDS TO IMPROVE THE EXISTING SOIL FOR PLANTING.
3. CONTACT STEVE LIPKIE OF THE ROADSIDE DEVELOPMENT UNIT 48 HOURS PRIOR TO SELECTIVE CLEARING AT 847-705-4171.



MATCHLINE "A"  
SEE SHEET 2 OF 15  
FOR CONTINUATION

**LEGEND**

- SEEDING, CLASS 2A  
EROSION CONTROL BLANKET  
TOPSOIL EXCAVATION AND PLACE (6") •
- INTERSEEDING CLASS 4  
WEED CONTROL, NATIVE GRASS  
RESTORATION  
MOWING
- INTERSEEDING CLASS 4  
EROSION CONTROL BLANKET(EXCEPT  
WHERE TRM IS SPECIFIED)  
TOP SOIL EXCAVATION AND PLACE (6") •

- WEED CONTROL, AQUATIC (A)  
SEEDING CLASS 4  
MULCH METHOD 4  
EROSION CONTROL BLANKET  
TOPSOIL EXCAVATION & PLACE (6") •
- WEED CONTROL, TEASEL (T)  
SEEDING CLASS 4  
MULCH METHOD 4  
EROSION CONTROL BLANKET  
TOPSOIL EXCAVATION & PLACE (6") •

- TREE
- ORNAMENTAL TREE
- TREE GROVE WITH MULCH BED  
TOPSOIL FURNISH AND PLACE, 12"
- EVERGREEN TREE
- SHRUB BED

• "TOPSOIL EXCAVATION AND PLACEMENT" INCLUDES ALL EXCAVATING, HAULING, STOCKPILING, AND FINAL PLACEMENT OF TOPSOIL OBTAINED ON-SITE AS INDICATED IN THE CONTRACT PLANS AND DIRECTED BY THE ENGINEER. IF ADDITIONAL TOPSOIL IS REQUIRED, IT SHALL BE FURNISHED AND PLACED BY CONTRACTOR UNDER THE CONTRACT PAY ITEM "TOPSOIL FURNISH AND PLACE, 6".

BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbandainc.com

FILE NAME =	USER NAME = default	DESIGNED -	PTG	REVISED -	
#FILE#		DRAWN -	PTG	REVISED -	
	PLOT SCALE = #SCALE#	CHECKED -	RGR	REVISED -	
	PLOT DATE = 3/29/2013	DATE -	03/29/2013	REVISED -	

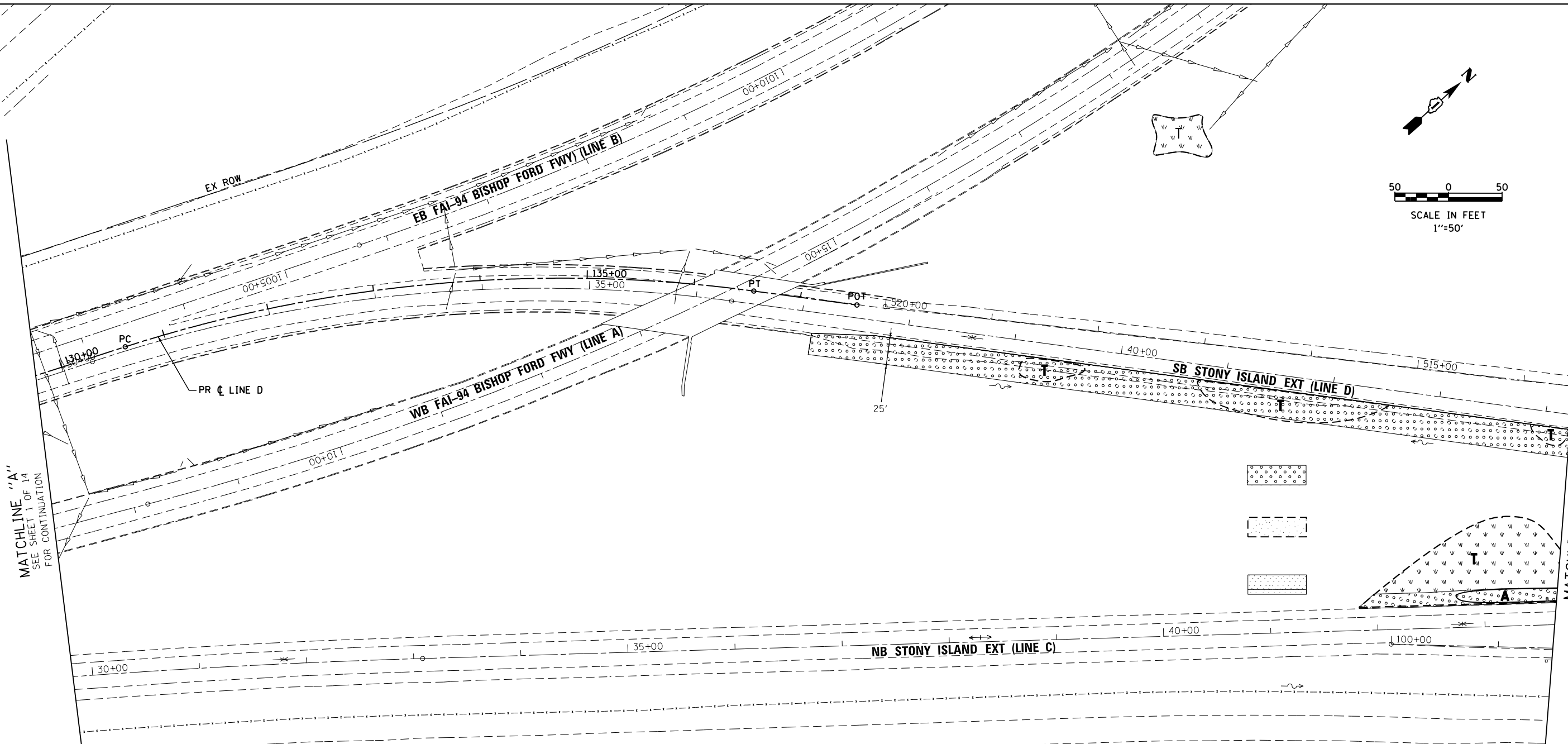
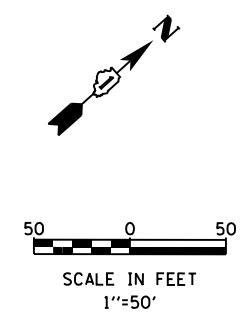
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING & VEGETATION MANAGEMENT PLAN  
STONY ISLAND EXTENSION**

SCALE: 1"=50' SHEET NO. 1 OF 14 SHEETS STA. TO STA.

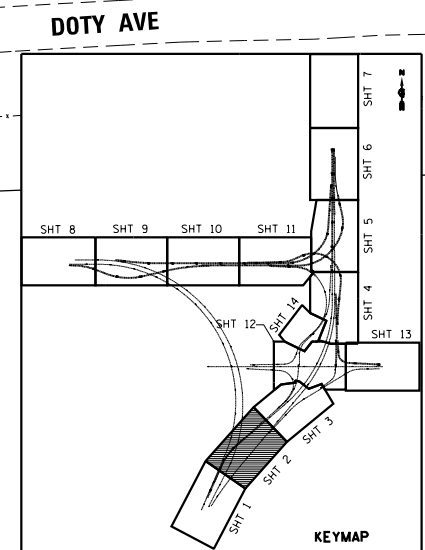
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	263
CONTRACT NO. 60J12				
ILLINOIS FED. AID PROJECT				

S:\1072\05\_CADD\0160J12\_Sheets\0160J12-sh1-ndscp\_01.dgn



MATCHLINE "A"  
SEE SHEET 1 OF 14  
FOR CONTINUATION

MATCHLINE "B"  
SEE SHEET 3 OF 14  
FOR CONTINUATION



- LEGEND**
- SEEDING, CLASS 2A  
EROSION CONTROL BLANKET  
TOPSOIL EXCAVATION AND PLACE (6") •
  - INTERSEEDING CLASS 4  
WEED CONTROL, NATIVE GRASS  
RESTORATION  
MOWING
  - INTERSEEDING CLASS 4  
EROSION CONTROL BLANKET (EXCEPT  
WHERE TRM IS SPECIFIED)  
TOP SOIL EXCAVATION AND PLACE (6") •
  - WEED CONTROL, AQUATIC (A)  
SEEDING CLASS 4  
MULCH METHOD 4  
EROSION CONTROL BLANKET  
TOPSOIL EXCAVATION & PLACE (6") •
  - WEED CONTROL, TEASEL (T)  
SEEDING CLASS 4  
MULCH METHOD 4  
EROSION CONTROL BLANKET  
TOPSOIL EXCAVATION & PLACE (6") •
  - TREE
  - ORNAMENTAL TREE
  - TREE GROVE WITH MULCH BED  
TOPSOIL FURNISH AND PLACE, 12"
  - EVERGREEN TREE
  - SHRUB BED

• "TOPSOIL EXCAVATION AND PLACEMENT" INCLUDES ALL EXCAVATING, HAULING, STOCKPILING, AND FINAL PLACEMENT OF TOPSOIL OBTAINED ON-SITE AS INDICATED IN THE CONTRACT PLANS AND DIRECTED BY THE ENGINEER. IF ADDITIONAL TOPSOIL IS REQUIRED, IT SHALL BE FURNISHED AND PLACED BY CONTRACTOR UNDER THE CONTRACT PAY ITEM "TOPSOIL FURNISH AND PLACE, 6".

BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbandainc.com

FILE NAME = #FILEL\$	USER NAME = default	DESIGNED - PTG	REVISED -
		DRAWN - PTG	REVISED -
		CHECKED - RGR	REVISED -
		DATE - 03/29/2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

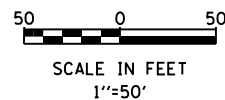
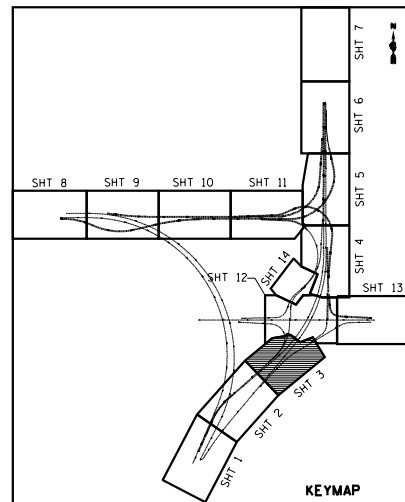
**LANDSCAPING & VEGETATION MANAGEMENT PLAN  
STONY ISLAND EXTENSION**

SCALE: 1"=50'    SHEET NO. 2 OF 14 SHEETS    STA.    TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	264
				CONTRACT NO. 60J12
ILLINOIS FED. AID PROJECT				

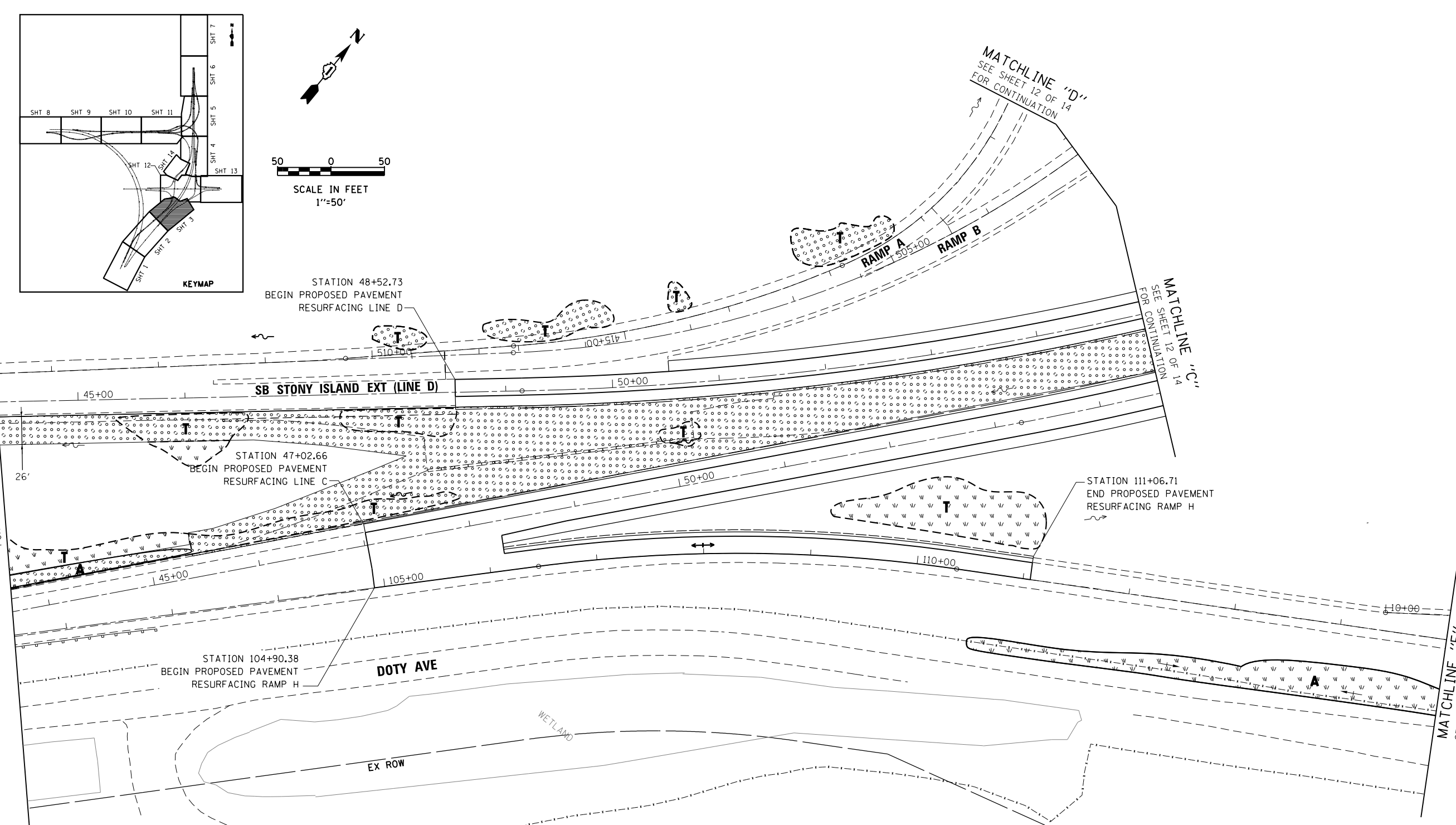
S:\1072\05\_CADD\10680112\_Sheets\10680112-shr-landscp\_02.dgn





STATION 48+52.73  
BEGIN PROPOSED PAVEMENT  
RESURFACING LINE D

MATCHLINE "B"  
FOR CONTINUATION  
SEE SHEET 2 OF 14



STATION 47+02.66  
BEGIN PROPOSED PAVEMENT  
RESURFACING LINE C

STATION 111+06.71  
END PROPOSED PAVEMENT  
RESURFACING RAMP H

STATION 104+90.38  
BEGIN PROPOSED PAVEMENT  
RESURFACING RAMP H

**LEGEND**

- SEEDING, CLASS 2A  
EROSION CONTROL BLANKET  
TOPSOIL EXCAVATION AND PLACE (6") •
- INTERSEEDING CLASS 4  
WEED CONTROL, NATIVE GRASS  
RESTORATION  
MOWING
- INTERSEEDING CLASS 4  
EROSION CONTROL BLANKET (EXCEPT  
WHERE TRM IS SPECIFIED)  
TOP SOIL EXCAVATION AND PLACE (6") •

- WEED CONTROL, AQUATIC (A)  
SEEDING CLASS 4  
MULCH METHOD 4  
EROSION CONTROL BLANKET  
TOPSOIL EXCAVATION & PLACE (6") •
- WEED CONTROL, TEASEL (T)  
SEEDING CLASS 4  
MULCH METHOD 4  
EROSION CONTROL BLANKET  
TOPSOIL EXCAVATION & PLACE (6") •

- TREE
- ORNAMENTAL TREE
- TREE GROVE WITH MULCH BED  
TOPSOIL FURNISH AND PLACE, 12"
- EVERGREEN TREE
- SHRUB BED

• "TOPSOIL EXCAVATION AND PLACEMENT" INCLUDES ALL EXCAVATING, HAULING, STOCKPILING, AND FINAL PLACEMENT OF TOPSOIL OBTAINED ON-SITE AS INDICATED IN THE CONTRACT PLANS AND DIRECTED BY THE ENGINEER. IF ADDITIONAL TOPSOIL IS REQUIRED, IT SHALL BE FURNISHED AND PLACED BY CONTRACTOR UNDER THE CONTRACT PAY ITEM "TOPSOIL FURNISH AND PLACE, 6".

BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbandainc.com

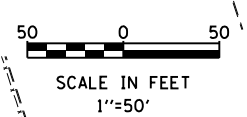
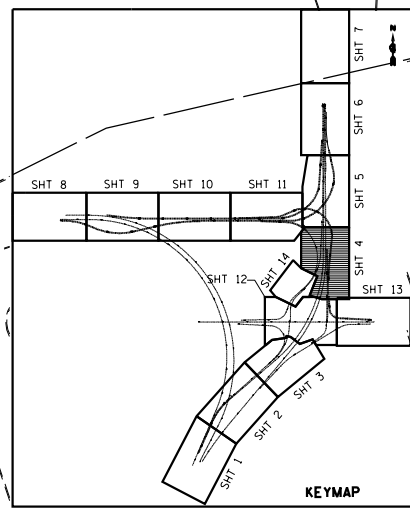
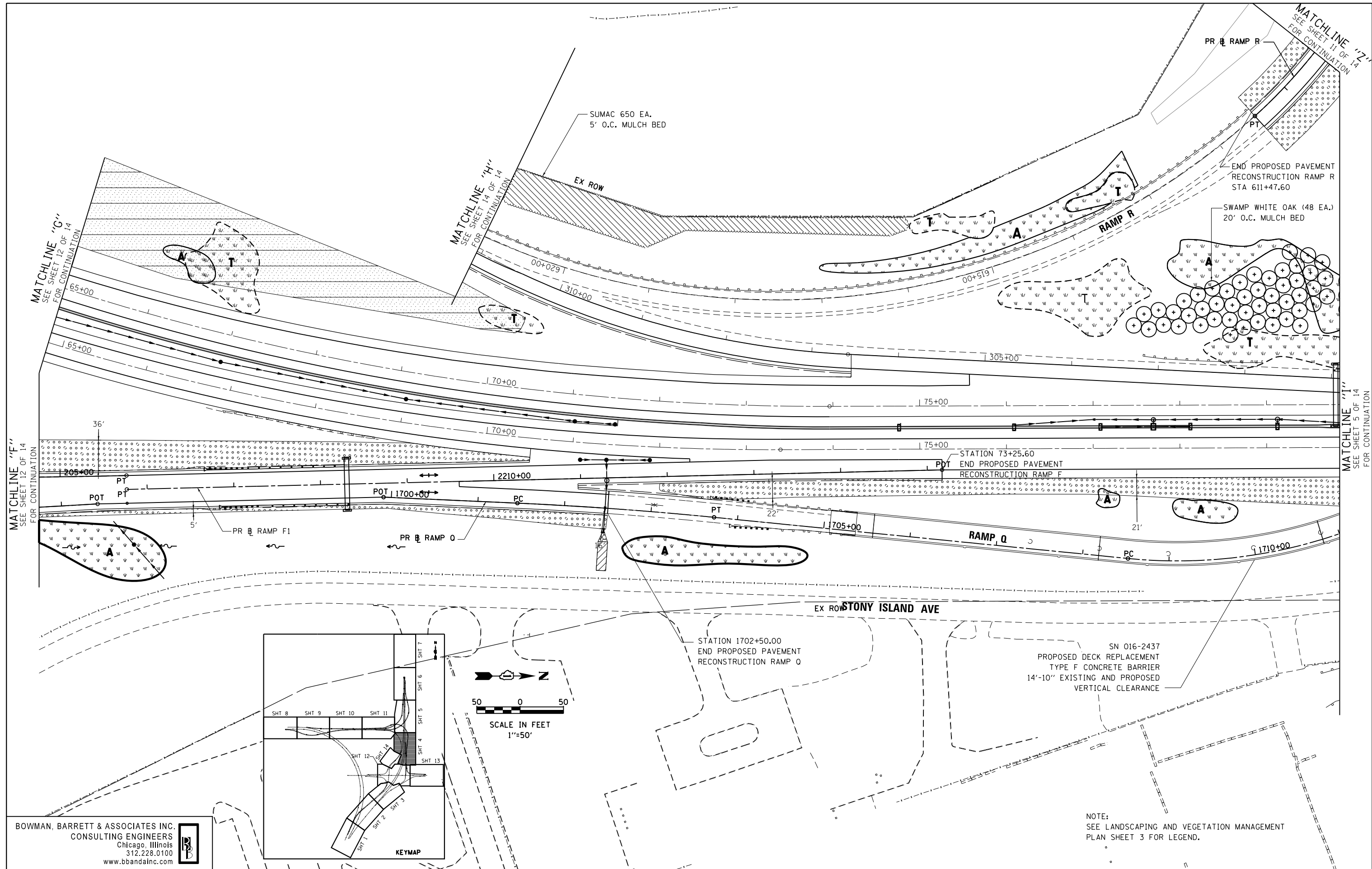
FILE NAME =	USER NAME = default	DESIGNED -	PTG	REVISED -	
#FILE#		DRAWN -	PTG	REVISED -	
	PLOT SCALE = #SCALE#	CHECKED -	RGR	REVISED -	
	PLOT DATE = 4/3/2013	DATE -	03/29/2013	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING & VEGETATION MANAGEMENT PLAN**  
**STONY ISLAND EXTENSION**  
SCALE: 1"=50' SHEET NO. 3 OF 14 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	265
				CONTRACT NO. 60J12
ILLINOIS FED. AID PROJECT				

S:\1072\05\_CADD\01680112\_Sheets\01680112-shr-landscp\_03.dgn



BOWMAN, BARRETT & ASSOCIATES INC.  
 CONSULTING ENGINEERS  
 Chicago, Illinois  
 312.228.0100  
 www.bbandainc.com

NOTE:  
 SEE LANDSCAPING AND VEGETATION MANAGEMENT  
 PLAN SHEET 3 FOR LEGEND.

FILE NAME = *FILEL\$	USER NAME = default	DESIGNED - PTG	REVISED -
		DRAWN - PTG	REVISED -
		CHECKED - RGR	REVISED -
		DATE - 03/29/2013	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

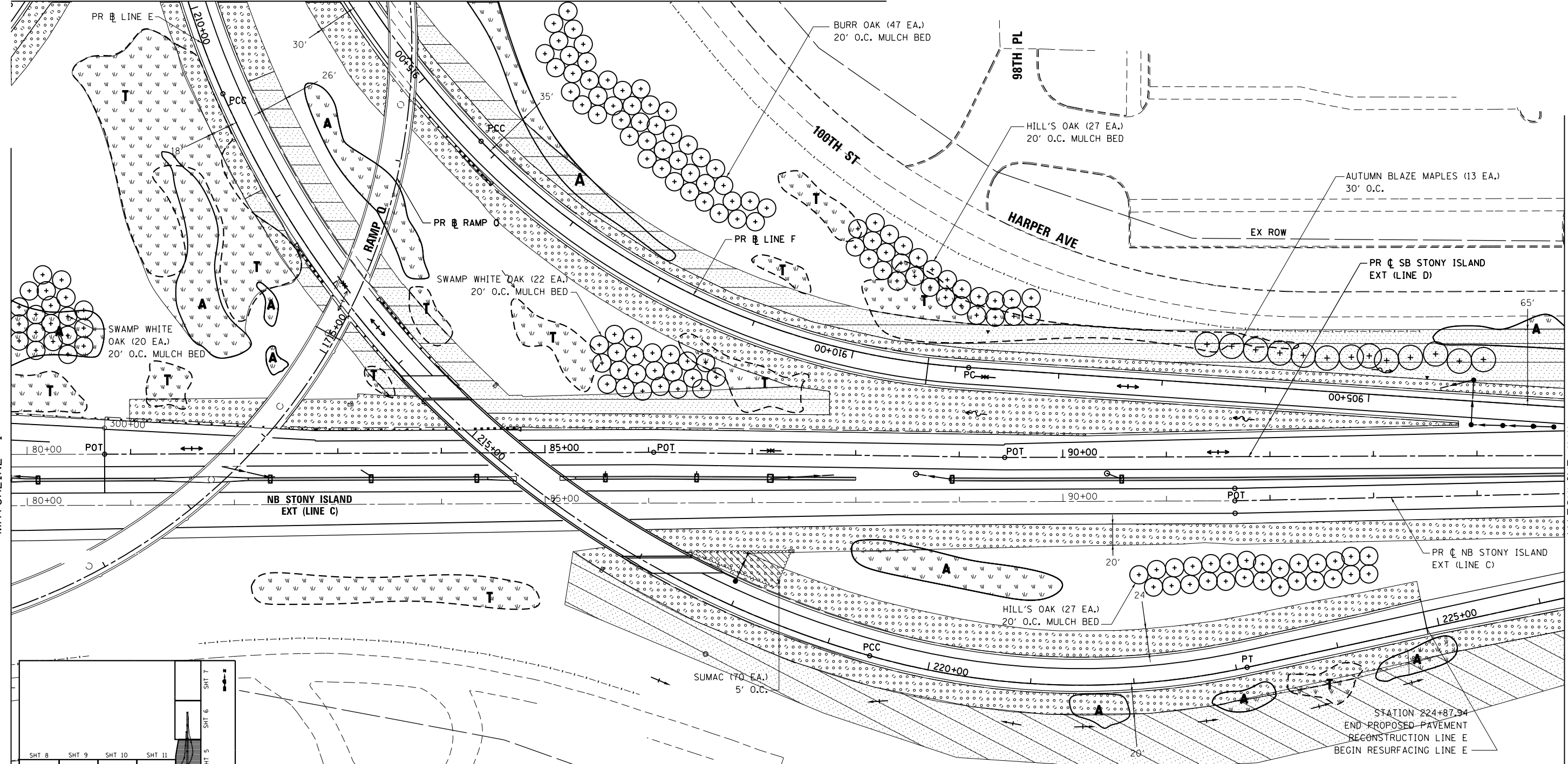
**LANDSCAPING & VEGETATION MANAGEMENT PLAN  
 STONY ISLAND EXTENSION**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	266
CONTRACT NO. 60J12			ILLINOIS FED. AID PROJECT	

SCALE: 1"=50' SHEET NO. 4 OF 14 SHEETS STA. TO STA.

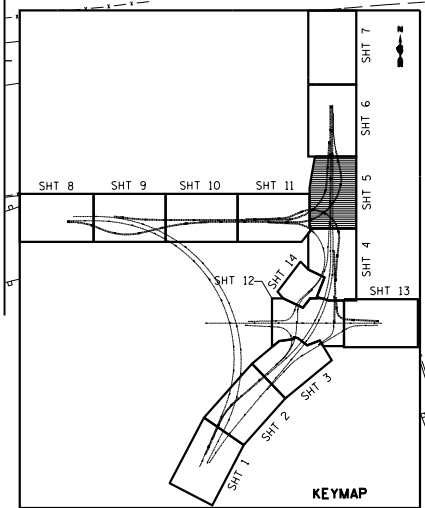
S:\1072\05\_CADD\10680112\_Sheets\10680112\_sht-1\ndescp\_04.dgn

MATCHLINE "O"



MATCHLINE "I"

MATCHLINE "J"



LEGEND

- SEEDING, CLASS 2A
- WEED CONTROL BLANKET
- TOPSOIL EXCAVATION AND PLACE (6'')
- INTERSEEDING CLASS 4
- WEED CONTROL, NATIVE GRASS
- RESTORATION MOWING
- INTERSEEDING CLASS 4 (EXCEPT WHERE TRM IS SPECIFIED)
- TOP SOIL EXCAVATION AND PLACE (6'')
- WEED CONTROL, AQUATIC (A)
- SEEDING CLASS 4
- MULCH METHOD 4
- EROSION CONTROL BLANKET
- TOPSOIL EXCAVATION & PLACE (6'')
- WEED CONTROL, TEASEL (T)
- SEEDING CLASS 4
- MULCH METHOD 4
- EROSION CONTROL BLANKET
- TOPSOIL EXCAVATION & PLACE (6'')
- TREE
- ORNAMENTAL TREE
- TREE GROVE WITH MULCH BED
- TOPSOIL FURNISH AND PLACE, 12'
- EVERGREEN TREE
- SHRUB BED

• "TOPSOIL EXCAVATION AND PLACEMENT" INCLUDES ALL EXCAVATING, HAULING, STOCKPILING, AND FINAL PLACEMENT OF TOPSOIL OBTAINED ON-SITE AS INDICATED IN THE CONTRACT PLANS AND DIRECTED BY THE ENGINEER. IF ADDITIONAL TOPSOIL IS REQUIRED, IT SHALL BE FURNISHED AND PLACED BY CONTRACTOR UNDER THE CONTRACT PAY ITEM "TOPSOIL FURNISH AND PLACE, 6".

BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbandainc.com

FILE NAME =	USER NAME = default	DESIGNED -	PTG	REVISED -	
#FILE#		DRAWN -	PTG	REVISED -	
	PLOT SCALE = #SCALE#	CHECKED -	RGR	REVISED -	
	PLOT DATE = 3/29/2013	DATE -	03/29/2013	REVISED -	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

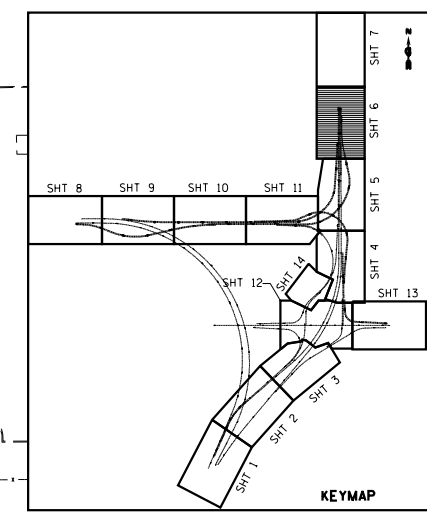
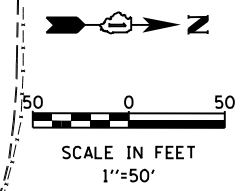
LANDSCAPING & VEGETATION MANAGEMENT PLAN  
STONY ISLAND EXTENSION

SCALE: 1"=50' SHEET NO. 5 OF 14 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	267
CONTRACT NO. 60J12			ILLINOIS FED. AID PROJECT	

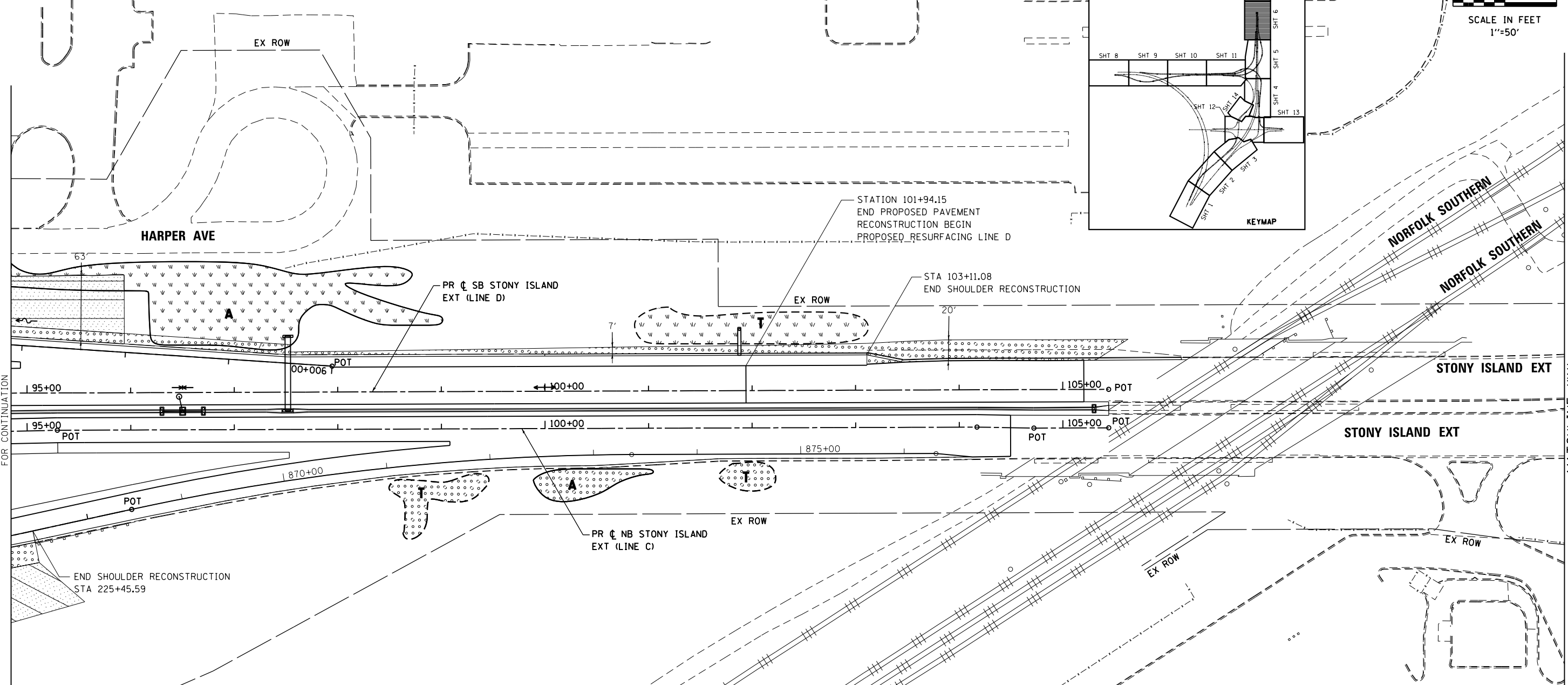
S:\1072-05-CADD\0160J12-Sheets\0160J12-shv-landscp\_05.dgn

97TH ST



MATCHLINE "J" SEE SHEET 5 OF 14 FOR CONTINUATION

MATCHLINE "K" SEE SHEET 7 OF 14 FOR CONTINUATION



**LEGEND**

- SEEDING, CLASS 2A  
EROSION CONTROL BLANKET  
TOPSOIL EXCAVATION AND PLACE (6") •
- INTERSEEDING CLASS 4  
WEED CONTROL, NATIVE GRASS  
RESTORATION  
MOWING
- INTERSEEDING CLASS 4  
EROSION CONTROL BLANKET (EXCEPT  
WHERE TRM IS SPECIFIED)  
TOP SOIL EXCAVATION AND PLACE (6") •
- WEED CONTROL, AQUATIC (A)  
SEEDING CLASS 4  
MULCH METHOD 4  
EROSION CONTROL BLANKET  
TOPSOIL EXCAVATION & PLACE (6") •
- WEED CONTROL, TEASEL (T)  
SEEDING CLASS 4  
MULCH METHOD 4  
EROSION CONTROL BLANKET  
TOPSOIL EXCAVATION & PLACE (6") •
- + TREE
- ORNAMENTAL TREE
- TREE GROVE WITH MULCH BED  
SEEDING CLASS 4  
TOPSOIL FURNISH AND PLACE, 12"
- E EVERGREEN TREE
- SHRUB BED

• "TOPSOIL EXCAVATION AND PLACEMENT" INCLUDES ALL EXCAVATING, HAULING, STOCKPILING, AND FINAL PLACEMENT OF TOPSOIL OBTAINED ON-SITE AS INDICATED IN THE CONTRACT PLANS AND DIRECTED BY THE ENGINEER. IF ADDITIONAL TOPSOIL IS REQUIRED, IT SHALL BE FURNISHED AND PLACED BY CONTRACTOR UNDER THE CONTRACT PAY ITEM "TOPSOIL FURNISH AND PLACE, 6".

BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbandainc.com

FILE NAME = #FILE#	USER NAME = default	DESIGNED - PTG	REVISED -
		DRAWN - PTG	REVISED -
		CHECKED - RGR	REVISED -
		DATE - 03/29/2013	REVISED -

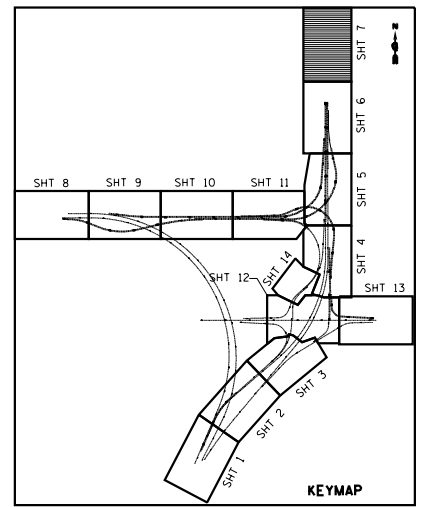
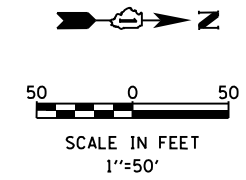
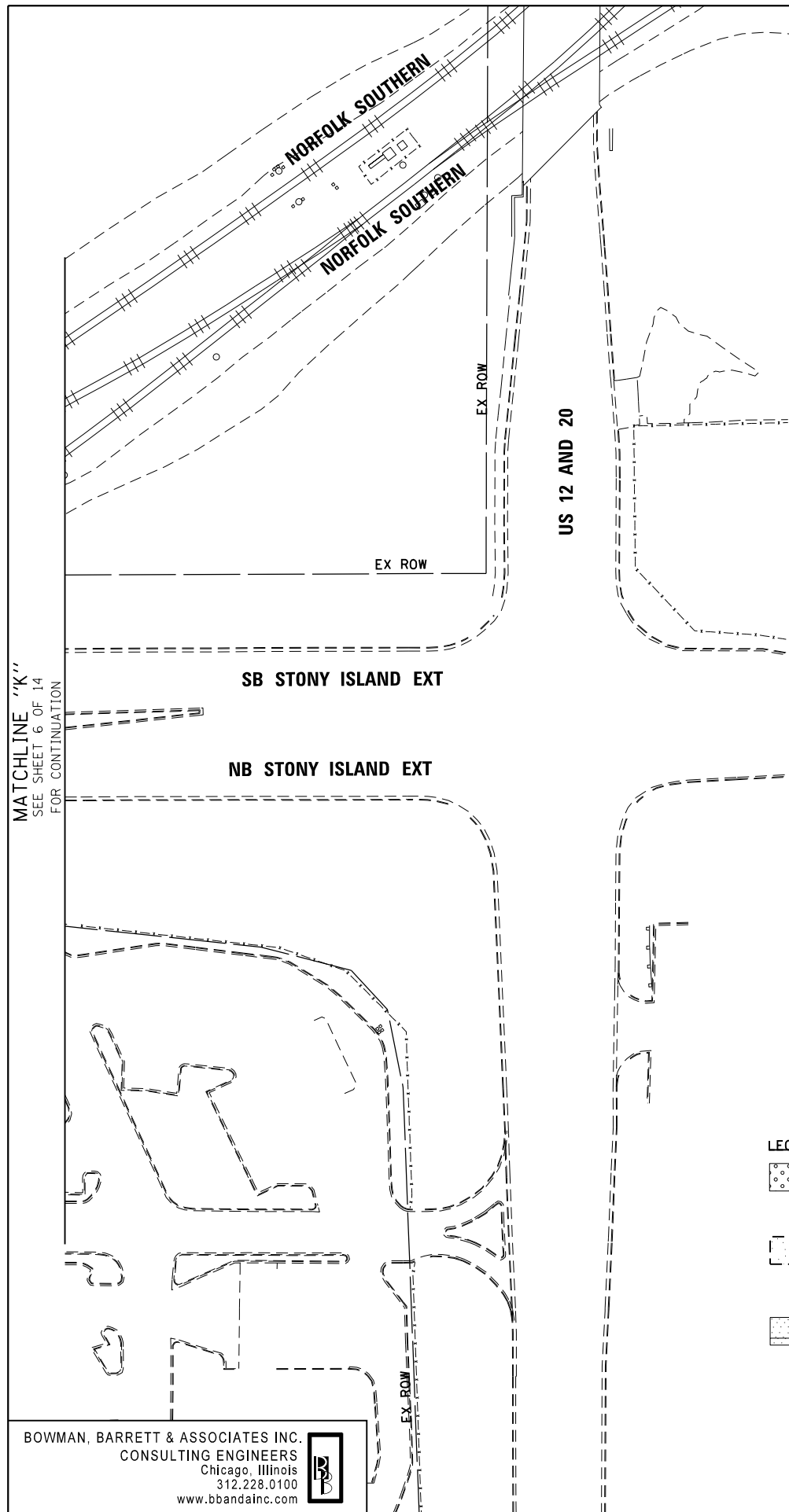
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING & VEGETATION MANAGEMENT PLAN  
STONY ISLAND EXTENSION**

SCALE: 1"=50' SHEET NO. 6 OF 14 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	268
CONTRACT NO. 60J12			ILLINOIS FED. AID PROJECT	

S:\1072\05\_CADD\10680112\_Sheets\10680112-shr-landscp\_06.dgn



NOTE:  
NO WORK ON SHEET.

MATCHLINE "K"  
SEE SHEET 6 OF 14  
FOR CONTINUATION

**LEGEND**

- SEEDING, CLASS 2A  
EROSION CONTROL BLANKET  
TOPSOIL EXCAVATION AND PLACE (6") •
- INTERSEEDING CLASS 4  
WEED CONTROL, NATIVE GRASS  
RESTORATION  
MOWING
- INTERSEEDING CLASS 4  
EROSION CONTROL BLANKET (EXCEPT  
WHERE TRM IS SPECIFIED)  
TOP SOIL EXCAVATION AND PLACE (6") •

- WEED CONTROL, AQUATIC (A)  
SEEDING CLASS 4  
MULCH METHOD 4  
EROSION CONTROL BLANKET  
TOPSOIL EXCAVATION & PLACE (6") •
- WEED CONTROL, TEASEL (T)  
SEEDING CLASS 4  
MULCH METHOD 4  
EROSION CONTROL BLANKET  
TOPSOIL EXCAVATION & PLACE (6") •

- TREE
- ORNAMENTAL TREE
- TREE GROVE WITH MULCH BED  
TOPSOIL FURNISH AND PLACE, 12"
- EVERGREEN TREE
- SHRUB BED

• "TOPSOIL EXCAVATION AND PLACEMENT" INCLUDES ALL EXCAVATING, HAULING, STOCKPILING, AND FINAL PLACEMENT OF TOPSOIL OBTAINED ON-SITE AS INDICATED IN THE CONTRACT PLANS AND DIRECTED BY THE ENGINEER. IF ADDITIONAL TOPSOIL IS REQUIRED, IT SHALL BE FURNISHED AND PLACED BY CONTRACTOR UNDER THE CONTRACT PAY ITEM "TOPSOIL FURNISH AND PLACE, 6".

BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbandainc.com

FILE NAME = #FILE#	USER NAME = default	DESIGNED - PTG	REVISED -
		DRAWN - PTG	REVISED -
	PLOT SCALE = #SCALE#	CHECKED - RGR	REVISED -
	PLOT DATE = 3/29/2013	DATE - 03/29/2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING & VEGETATION MANAGEMENT PLAN  
STONY ISLAND EXTENSION**

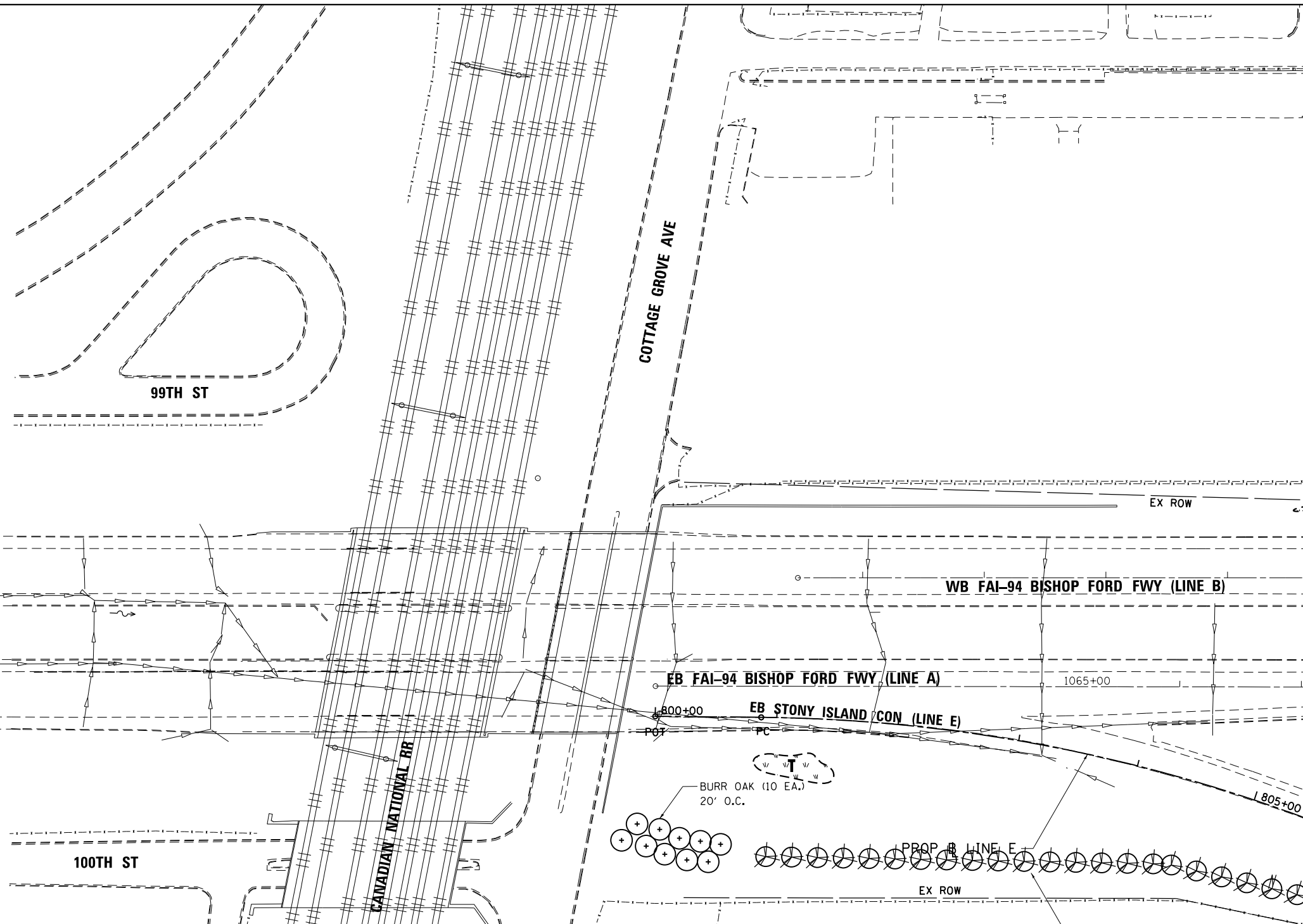
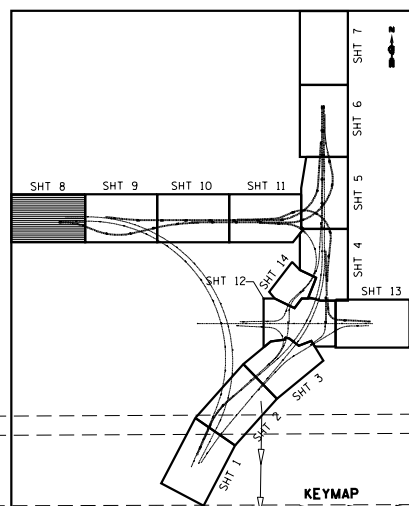
SCALE: 1"=50' SHEET NO. 7 OF 14 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	269
CONTRACT NO. 60J12			ILLINOIS FED. AID PROJECT	

S:\1072\05\_CADD\0160J12\_Sheets\0160J12-shr-landscp\_07.dgn



50 0 50  
SCALE IN FEET  
1"=50'



**LEGEND**

- SEEDING, CLASS 2A  
EROSION CONTROL BLANKET  
TOPSOIL EXCAVATION AND PLACE (6") •
- INTERSEEDING CLASS 4  
WEED CONTROL, NATIVE GRASS  
RESTORATION  
MOWING
- INTERSEEDING CLASS 4  
EROSION CONTROL BLANKET (EXCEPT  
WHERE TRM IS SPECIFIED)  
TOP SOIL EXCAVATION AND PLACE (6") •

- WEED CONTROL, AQUATIC (A)  
SEEDING CLASS 4  
MULCH METHOD 4  
EROSION CONTROL BLANKET  
TOPSOIL EXCAVATION & PLACE (6") •
- WEED CONTROL, TEASEL (T)  
SEEDING CLASS 4  
MULCH METHOD 4  
EROSION CONTROL BLANKET  
TOPSOIL EXCAVATION & PLACE (6") •

- TREE
- ORNAMENTAL TREE
- TREE GROVE WITH MULCH BED  
SEEDING CLASS 4  
TOPSOIL FURNISH AND PLACE, 12"
- EVERGREEN TREE
- SHRUB BED

• "TOPSOIL EXCAVATION AND PLACEMENT" INCLUDES ALL EXCAVATING, HAULING, STOCKPILING, AND FINAL PLACEMENT OF TOPSOIL OBTAINED ON-SITE AS INDICATED IN THE CONTRACT PLANS AND DIRECTED BY THE ENGINEER. IF ADDITIONAL TOPSOIL IS REQUIRED, IT SHALL BE FURNISHED AND PLACED BY CONTRACTOR UNDER THE CONTRACT PAY ITEM "TOPSOIL FURNISH AND PLACE, 6".

BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbainc.com

FILE NAME =	USER NAME = default	DESIGNED -	PTG	REVISED -	
#FILE#		DRAWN -	PTG	REVISED -	
	PLOT SCALE = #SCALE#	CHECKED -	RGR	REVISED -	
	PLOT DATE = 3/29/2013	DATE -	03/29/2013	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

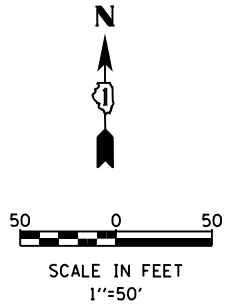
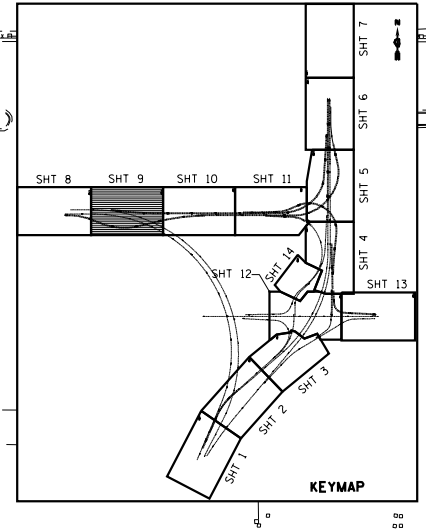
**LANDSCAPING & VEGETATION MANAGEMENT PLAN  
STONY ISLAND CONNECTOR**

SCALE: 1"=50' SHEET NO. 8 OF 14 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	270
CONTRACT NO. 60J12				
ILLINOIS FED. AID PROJECT				

MATCHLINE "L"  
SEE SHEET 9 OF 15  
FOR CONTINUATION

S:\1072-05-CADD\0160J12-Sheets\0160J12-shr-landscp\_08.dgn



**LEGEND**

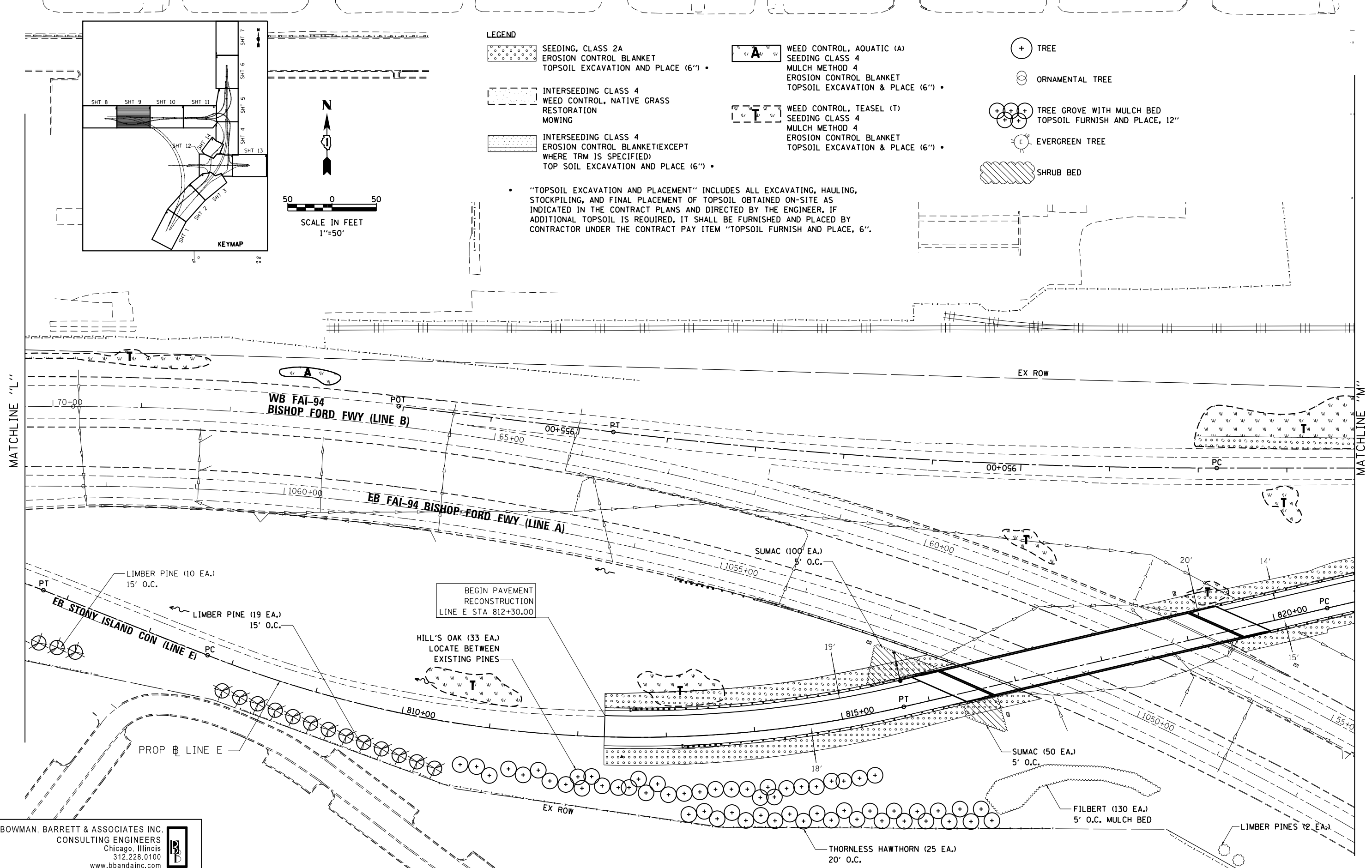
- SEEDING, CLASS 2A  
EROSION CONTROL BLANKET  
TOPSOIL EXCAVATION AND PLACE (6") •
- INTERSEEDING CLASS 4  
WEED CONTROL, NATIVE GRASS  
RESTORATION  
MOWING
- INTERSEEDING CLASS 4  
EROSION CONTROL BLANKET (EXCEPT  
WHERE TRM IS SPECIFIED)  
TOP SOIL EXCAVATION AND PLACE (6") •
- WEED CONTROL, AQUATIC (A)  
SEEDING CLASS 4  
MULCH METHOD 4  
EROSION CONTROL BLANKET  
TOPSOIL EXCAVATION & PLACE (6") •
- WEED CONTROL, TEASEL (T)  
SEEDING CLASS 4  
MULCH METHOD 4  
EROSION CONTROL BLANKET  
TOPSOIL EXCAVATION & PLACE (6") •

- TREE
- ORNAMENTAL TREE
- TREE GROVE WITH MULCH BED  
TOPSOIL FURNISH AND PLACE, 12"
- EVERGREEN TREE
- SHRUB BED

• "TOPSOIL EXCAVATION AND PLACEMENT" INCLUDES ALL EXCAVATING, HAULING, STOCKPILING, AND FINAL PLACEMENT OF TOPSOIL OBTAINED ON-SITE AS INDICATED IN THE CONTRACT PLANS AND DIRECTED BY THE ENGINEER. IF ADDITIONAL TOPSOIL IS REQUIRED, IT SHALL BE FURNISHED AND PLACED BY CONTRACTOR UNDER THE CONTRACT PAY ITEM "TOPSOIL FURNISH AND PLACE, 6".

MATCHLINE "L"

MATCHLINE "M"



BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbadainc.com

USER NAME = default	DESIGNED - PTG	REVISED -
PLOT SCALE = #SCALE#	DRAWN - PTG	REVISED -
PLOT DATE = 3/29/2013	CHECKED - RGR	REVISED -
	DATE - 03/29/2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

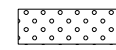

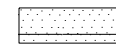
**LANDSCAPING & VEGETATION MANAGEMENT PLAN  
STONY ISLAND CONNECTOR**

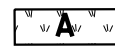
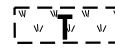
SCALE: 1"=50'    SHEET NO. 9 OF 14 SHEETS    STA.    TO STA.






F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	271
				CONTRACT NO. 60J12
ILLINOIS FED. AID PROJECT				

S:\1072-05-CADD\01680112-Sheets\01680112-shr-landscp\_09.dgn

**LEGEND**

-  SEEDING, CLASS 2A  
EROSION CONTROL BLANKET  
TOPSOIL EXCAVATION AND PLACE (6") •
-  INTERSEEDING CLASS 4  
WEED CONTROL, NATIVE GRASS  
RESTORATION  
MOWING
-  INTERSEEDING CLASS 4  
EROSION CONTROL BLANKET (EXCEPT  
WHERE TRM IS SPECIFIED)  
TOP SOIL EXCAVATION AND PLACE (6") •

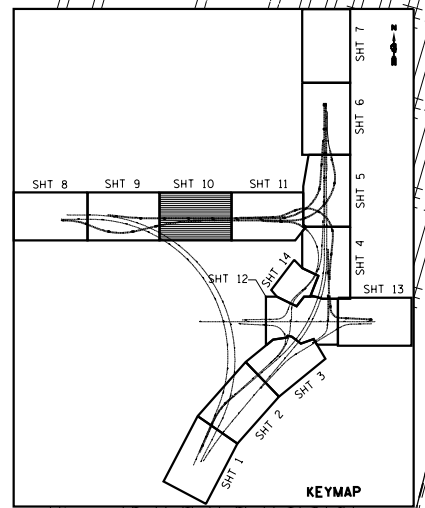
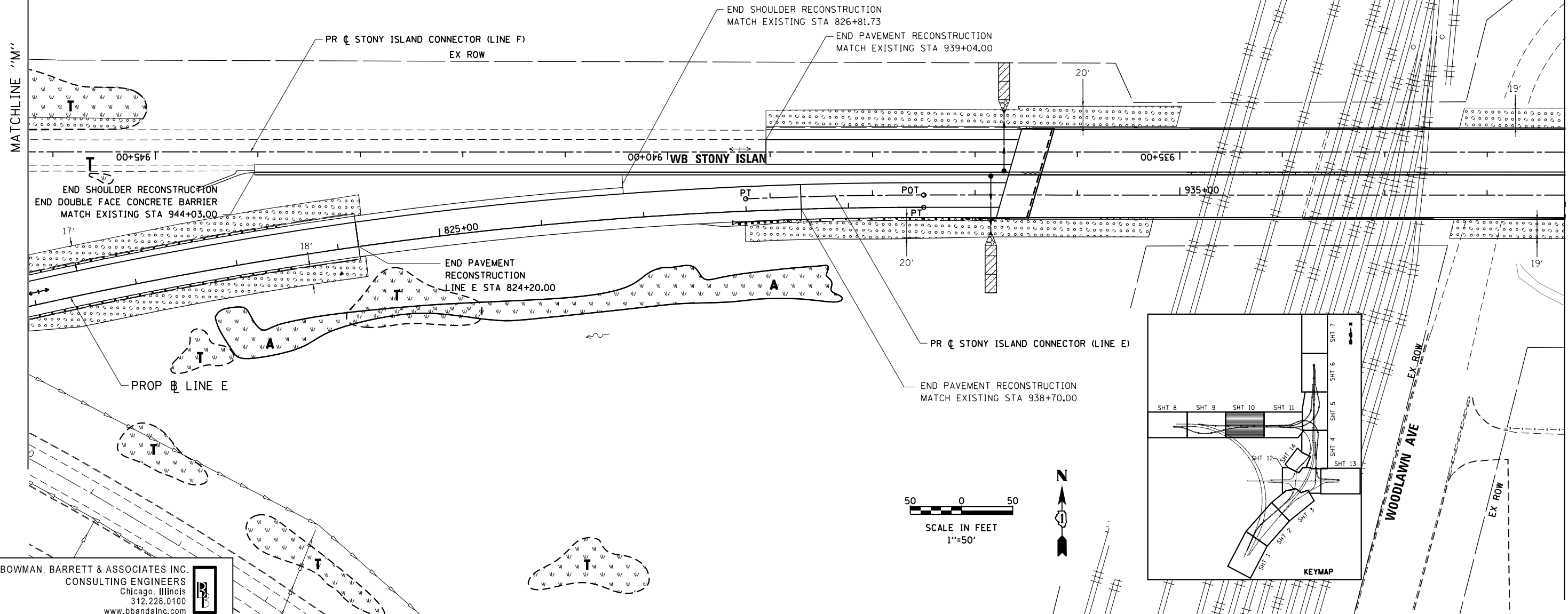
-  WEED CONTROL, AQUATIC (A)  
SEEDING CLASS 4  
MULCH METHOD 4  
EROSION CONTROL BLANKET  
TOPSOIL EXCAVATION & PLACE (6") •
-  WEED CONTROL, TEASEL (T)  
SEEDING CLASS 4  
MULCH METHOD 4  
EROSION CONTROL BLANKET  
TOPSOIL EXCAVATION & PLACE (6") •

-  TREE
-  ORNAMENTAL TREE
-  TREE GROVE WITH MULCH BED  
TOPSOIL FURNISH AND PLACE, 12"
-  EVERGREEN TREE
-  SHRUB BED

• "TOPSOIL EXCAVATION AND PLACEMENT" INCLUDES ALL EXCAVATING, HAULING, STOCKPILING, AND FINAL PLACEMENT OF TOPSOIL OBTAINED ON-SITE AS INDICATED IN THE CONTRACT PLANS AND DIRECTED BY THE ENGINEER. IF ADDITIONAL TOPSOIL IS REQUIRED, IT SHALL BE FURNISHED AND PLACED BY CONTRACTOR UNDER THE CONTRACT PAY ITEM "TOPSOIL FURNISH AND PLACE, 6".

MATCHLINE "M"

MATCHLINE "N"



BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbandainc.com

FILE NAME =	USER NAME = default	DESIGNED -	PTG	REVISED -	
#FILE#		DRAWN -	PTG	REVISED -	
	PLOT SCALE = #SCALE#	CHECKED -	RGR	REVISED -	
	PLOT DATE = 4/3/2013	DATE -	03/29/2013	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

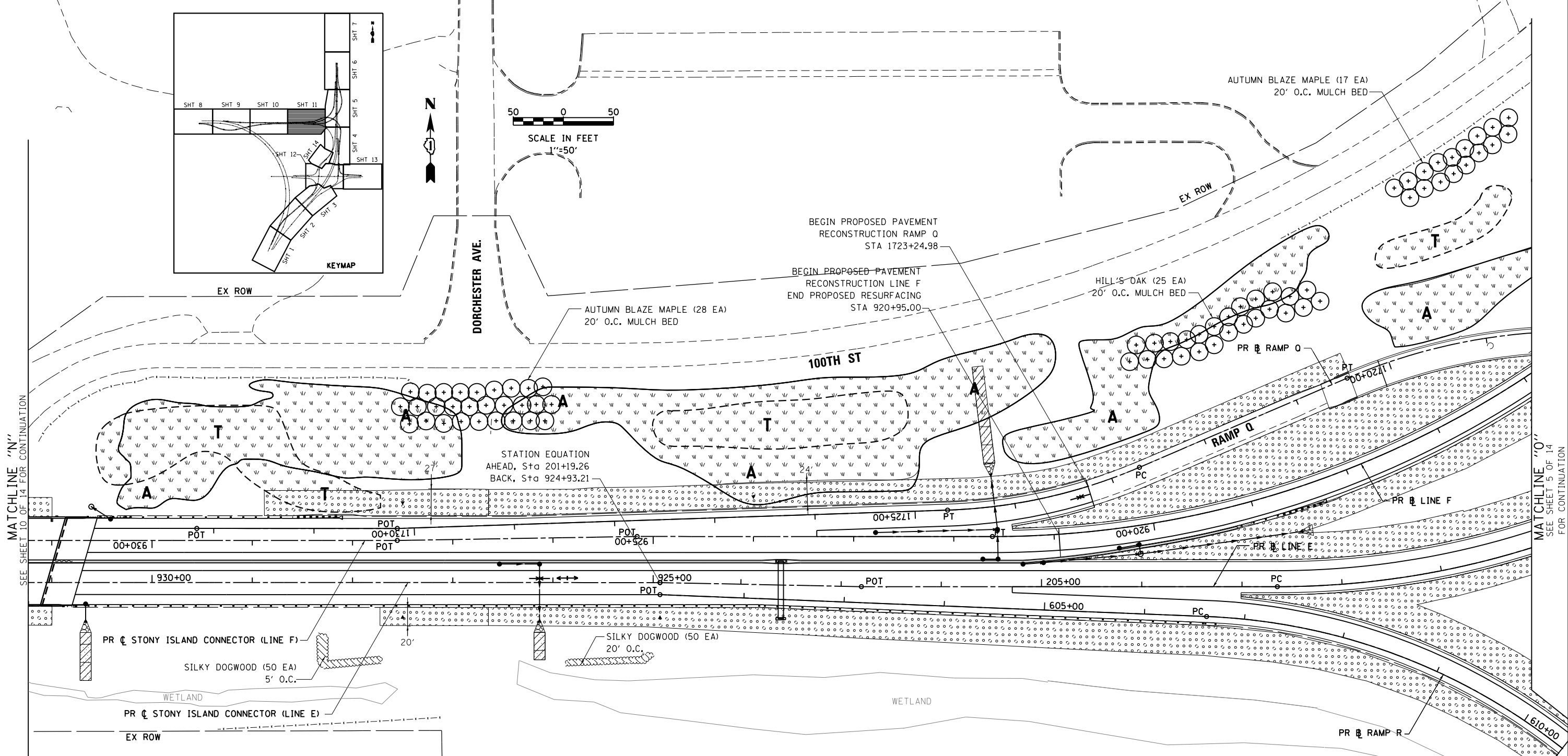
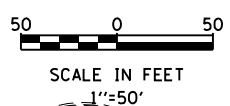
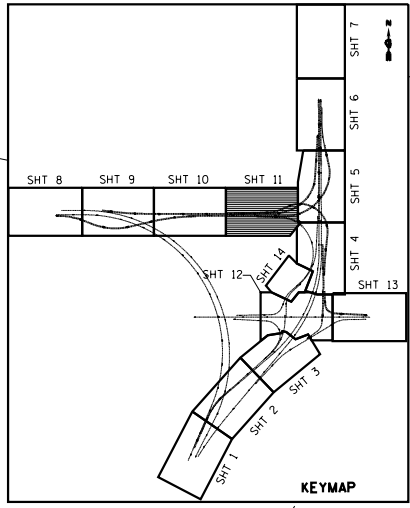
**LANDSCAPING & VEGETATION MANAGEMENT PLAN  
STONY ISLAND CONNECTOR**

SCALE: 1"=50' SHEET NO. 10 OF 14 SHEETS STA. TO STA.

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	272
CONTRACT NO. 60J12			ILLINOIS FED. AID PROJECT	

S:\1072\05\_CADD\01680112\_Sheets\01680112-sh1-indrscp.10.dgn





**LEGEND**

- SEEDING, CLASS 2A  
EROSION CONTROL BLANKET  
TOPSOIL EXCAVATION AND PLACE (6") •
- INTERSEEDING CLASS 4  
WEED CONTROL, NATIVE GRASS  
RESTORATION  
MOWING
- INTERSEEDING CLASS 4  
EROSION CONTROL BLANKET (EXCEPT  
WHERE TRM IS SPECIFIED)  
TOP SOIL EXCAVATION AND PLACE (6") •
- WEED CONTROL, AQUATIC (A)  
SEEDING CLASS 4  
MULCH METHOD 4  
EROSION CONTROL BLANKET  
TOPSOIL EXCAVATION & PLACE (6") •
- WEED CONTROL, TEASEL (T)  
SEEDING CLASS 4  
MULCH METHOD 4  
EROSION CONTROL BLANKET  
TOPSOIL EXCAVATION & PLACE (6") •
- TREE
- ORNAMENTAL TREE
- TREE GROVE WITH MULCH BED  
TOPSOIL FURNISH AND PLACE, 12"
- EVERGREEN TREE
- SHRUB BED

• "TOPSOIL EXCAVATION AND PLACEMENT" INCLUDES ALL EXCAVATING, HAULING, STOCKPILING, AND FINAL PLACEMENT OF TOPSOIL OBTAINED ON-SITE AS INDICATED IN THE CONTRACT PLANS AND DIRECTED BY THE ENGINEER. IF ADDITIONAL TOPSOIL IS REQUIRED, IT SHALL BE FURNISHED AND PLACED BY CONTRACTOR UNDER THE CONTRACT PAY ITEM "TOPSOIL FURNISH AND PLACE, 6".

BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbandainc.com

FILE NAME =	USER NAME = default	DESIGNED -	PTG	REVISED -	
#FILE#		DRAWN -	PTG	REVISED -	
	PLOT SCALE = #SCALE#	CHECKED -	RGR	REVISED -	
	PLOT DATE = 4/3/2013	DATE -	03/29/2013	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING & VEGETATION MANAGEMENT PLAN  
STONY ISLAND CONNECTOR**

SCALE: 1"=50' SHEET NO. 11 OF 14 SHEETS STA. TO STA.

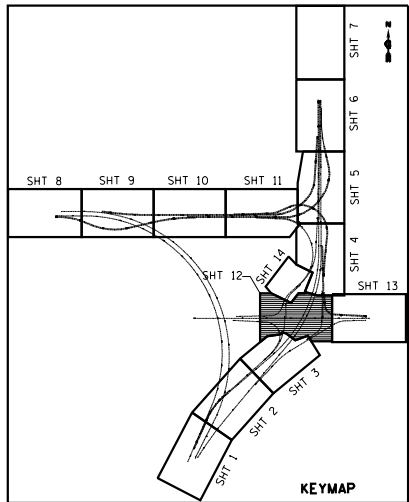
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	273
CONTRACT NO. 60J12			ILLINOIS FED. AID PROJECT	

MATCHLINE "N" SEE SHEET 10 OF 14 FOR CONTINUATION

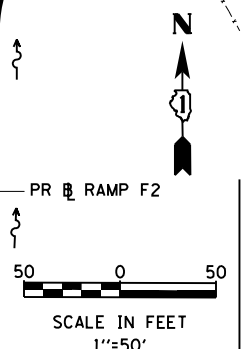
MATCHLINE "O" SEE SHEET 5 OF 14 FOR CONTINUATION

MATCHLINE "Z" SEE SHEET 4 OF 14 FOR CONTINUATION

S:\1072-05-CADD\0160J12\_Sheets\0160J12-shr-landscap-11.dgn



SEE SHEET 4 OF 14  
FOR CONTINUATION  
MATCHLINE "F"



EX ROW

HILL'S OAK (13 EA)  
20' O.C.

WHITE OAK (25 EA) INTERPLANT WITH  
EXISTING TREES/MULCH BED

BURR OAK (8 EA)  
20' O.C. MULCH BED

SWAMP WHITE OAK (11 EA)  
20' O.C. MULCH BED

103RD ST

SUMAC (270 EA)

SUMAC (150 EA)  
5' O.C.

103RD ST

BURR OAK (3 EA)

SUMAC (100 EA)

BURR OAK (14 EA)  
20' O.C. MULCH BED

BURR OAK (17 EA)  
20' O.C. MULCH BED

SWAMP WHITE OAK (9 EA)  
20' O.C. MULCH BED

SWAMP WHITE OAK (11 EA)  
20' O.C. MULCH BED

SWAMP WHITE OAK (7 EA)  
20' O.C. MULCH BED

NOTE:  
SEE LANDSCAPING AND VEGETATION MANAGEMENT  
PLAN SHEET 11 FOR LEGEND.

MATCHLINE "D"  
SEE SHEET 3 OF 14  
FOR CONTINUATION

MATCHLINE "C"  
SEE SHEET 3 OF 14  
FOR CONTINUATION

MATCHLINE "E"  
SEE SHEET 3 OF 14  
FOR CONTINUATION

MATCHLINE "O"  
SEE SHEET 15 OF 14  
FOR CONTINUATION

BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbandainc.com

FILE NAME =	USER NAME = default	DESIGNED -	PTG	REVISED -	
*FILE#		DRAWN -	PTG	REVISED -	
	PLOT SCALE = *SCALE*	CHECKED -	RGR	REVISED -	
	PLOT DATE = 3/29/2013	DATE -	03/29/2013	REVISED -	

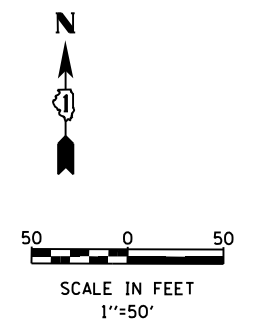
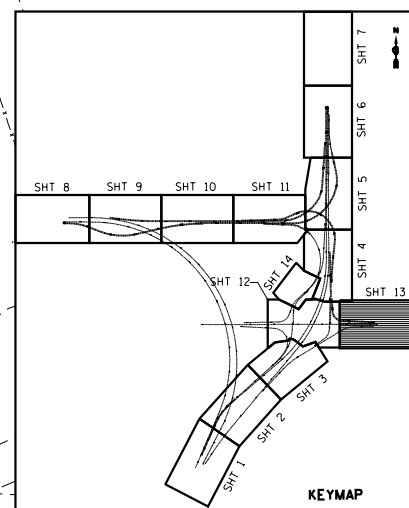
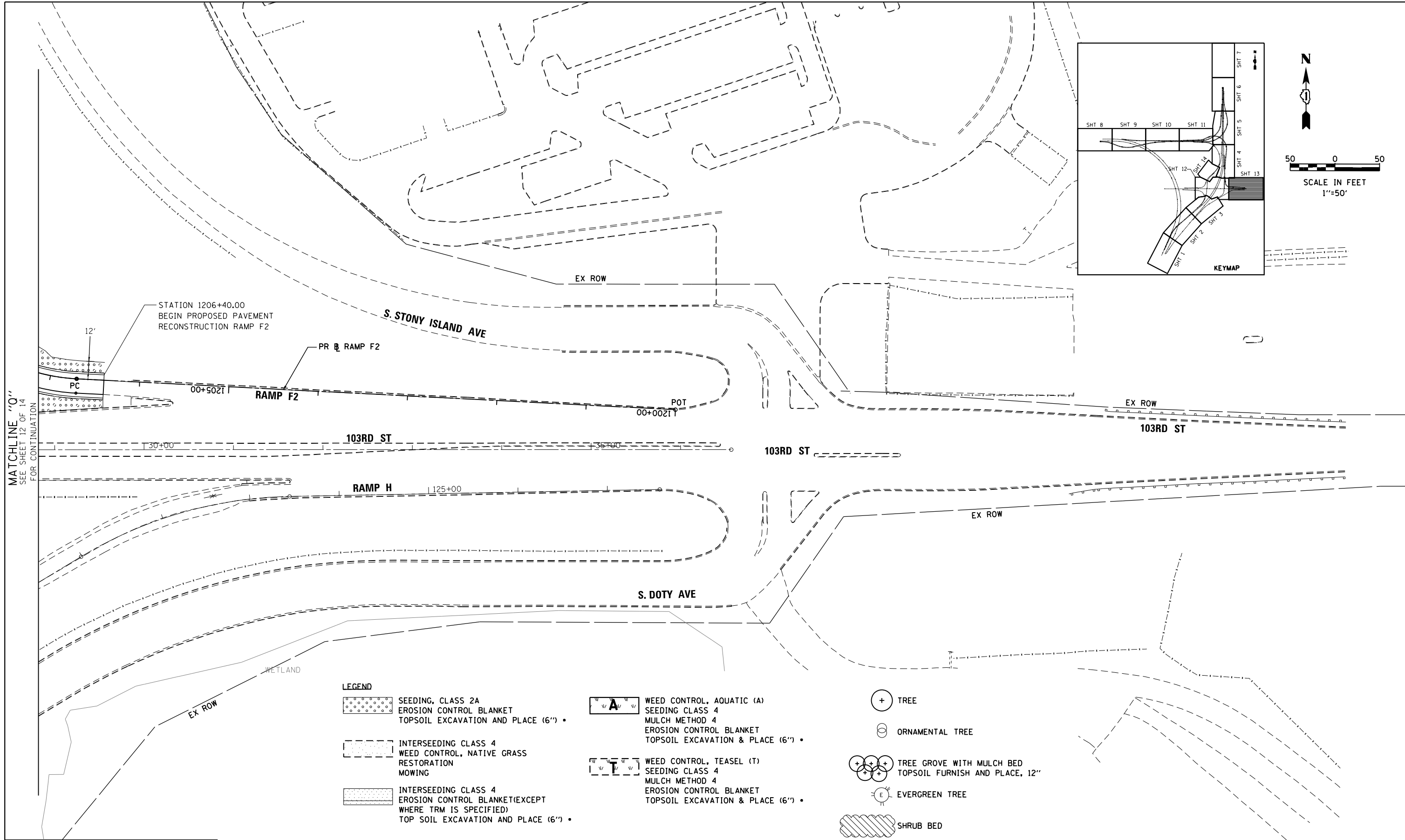
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLAN  
103RD STREET

SCALE: 1"=50' SHEET NO. 12 OF 14 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	274
				CONTRACT NO. 60J12
ILLINOIS FED. AID PROJECT				

S:\1072\05\_CADD\1060\12\_Sheets\1060J12-shr-landscp-12.dgn



MATCHLINE "Q"  
SEE SHEET 12 OF 14  
FOR CONTINUATION

**LEGEND**

- SEEDING, CLASS 2A  
EROSION CONTROL BLANKET  
TOPSOIL EXCAVATION AND PLACE (6") •
- INTERSEEDING CLASS 4  
WEED CONTROL, NATIVE GRASS  
RESTORATION  
MOWING
- INTERSEEDING CLASS 4  
EROSION CONTROL BLANKET (EXCEPT  
WHERE TRM IS SPECIFIED)  
TOP SOIL EXCAVATION AND PLACE (6") •

- WEED CONTROL, AQUATIC (A)  
SEEDING CLASS 4  
MULCH METHOD 4  
EROSION CONTROL BLANKET  
TOPSOIL EXCAVATION & PLACE (6") •
- WEED CONTROL, TEASEL (T)  
SEEDING CLASS 4  
MULCH METHOD 4  
EROSION CONTROL BLANKET  
TOPSOIL EXCAVATION & PLACE (6") •

- TREE
- ORNAMENTAL TREE
- TREE GROVE WITH MULCH BED  
TOPSOIL FURNISH AND PLACE, 12"
- EVERGREEN TREE
- SHRUB BED

• "TOPSOIL EXCAVATION AND PLACEMENT" INCLUDES ALL EXCAVATING, HAULING, STOCKPILING, AND FINAL PLACEMENT OF TOPSOIL OBTAINED ON-SITE AS INDICATED IN THE CONTRACT PLANS AND DIRECTED BY THE ENGINEER. IF ADDITIONAL TOPSOIL IS REQUIRED, IT SHALL BE FURNISHED AND PLACED BY CONTRACTOR UNDER THE CONTRACT PAY ITEM "TOPSOIL FURNISH AND PLACE, 6".

BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbandainc.com

FILE NAME =	USER NAME = default	DESIGNED -	PTG	REVISED -	
#FILE#		DRAWN -	PTG	REVISED -	
	PLOT SCALE = #SCALE#	CHECKED -	RGR	REVISED -	
	PLOT DATE = 4/3/2013	DATE -	03/29/2013	REVISED -	

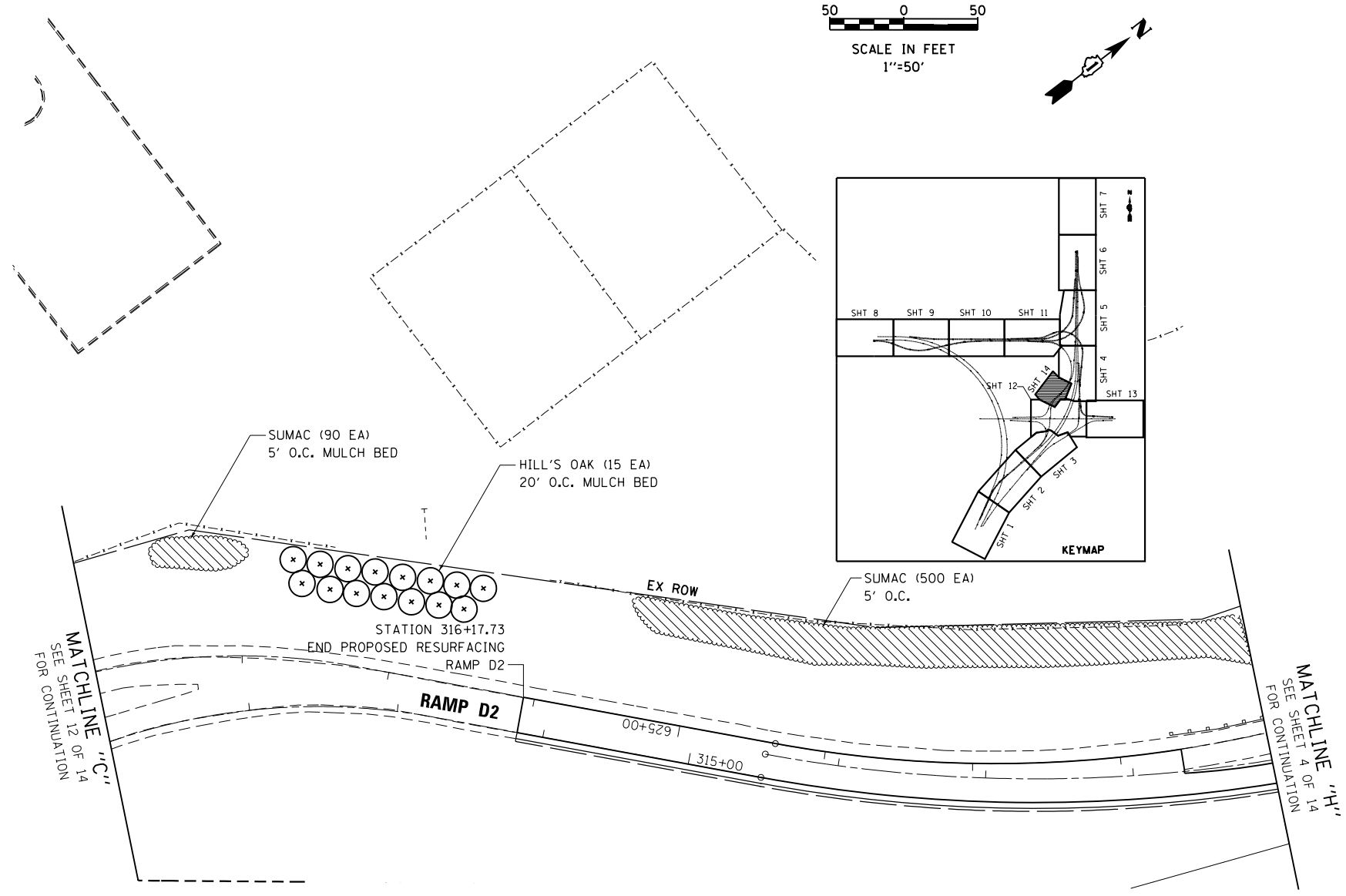
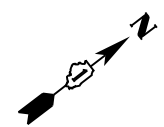
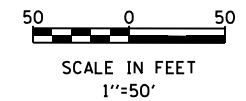
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING & VEGETATION MANAGEMENT PLAN  
103RD STREET**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	275
CONTRACT NO. 60J12			ILLINOIS FED. AID PROJECT	

SCALE: 1"=50' SHEET NO. 13 OF 14 SHEETS STA. TO STA.

S:\1072\05\_CADD\1060J12\_Sht13.dwg



**LEGEND**

- SEEDING, CLASS 2A
- EROSION CONTROL BLANKET
- TOPSOIL EXCAVATION AND PLACE (6") •
- INTERSEEDING CLASS 4
- WEED CONTROL, NATIVE GRASS RESTORATION
- MOWING
- INTERSEEDING CLASS 4
- EROSION CONTROL BLANKET (EXCEPT WHERE TRM IS SPECIFIED)
- TOP SOIL EXCAVATION AND PLACE (6") •
- WEED CONTROL, AQUATIC (A)
- SEEDING CLASS 4
- MULCH METHOD 4
- EROSION CONTROL BLANKET
- TOPSOIL EXCAVATION & PLACE (6") •
- WEED CONTROL, TEASEL (T)
- SEEDING CLASS 4
- MULCH METHOD 4
- EROSION CONTROL BLANKET
- TOPSOIL EXCAVATION & PLACE (6") •
- + TREE
- ORNAMENTAL TREE
- TREE GROVE WITH MULCH BED
- TOPSOIL FURNISH AND PLACE, 12"
- E EVERGREEN TREE
- SHRUB BED

• "TOPSOIL EXCAVATION AND PLACEMENT" INCLUDES ALL EXCAVATING, HAULING, STOCKPILING, AND FINAL PLACEMENT OF TOPSOIL OBTAINED ON-SITE AS INDICATED IN THE CONTRACT PLANS AND DIRECTED BY THE ENGINEER. IF ADDITIONAL TOPSOIL IS REQUIRED, IT SHALL BE FURNISHED AND PLACED BY CONTRACTOR UNDER THE CONTRACT PAY ITEM "TOPSOIL FURNISH AND PLACE, 6".

BOWMAN, BARRETT & ASSOCIATES INC.  
CONSULTING ENGINEERS  
Chicago, Illinois  
312.228.0100  
www.bbandainc.com

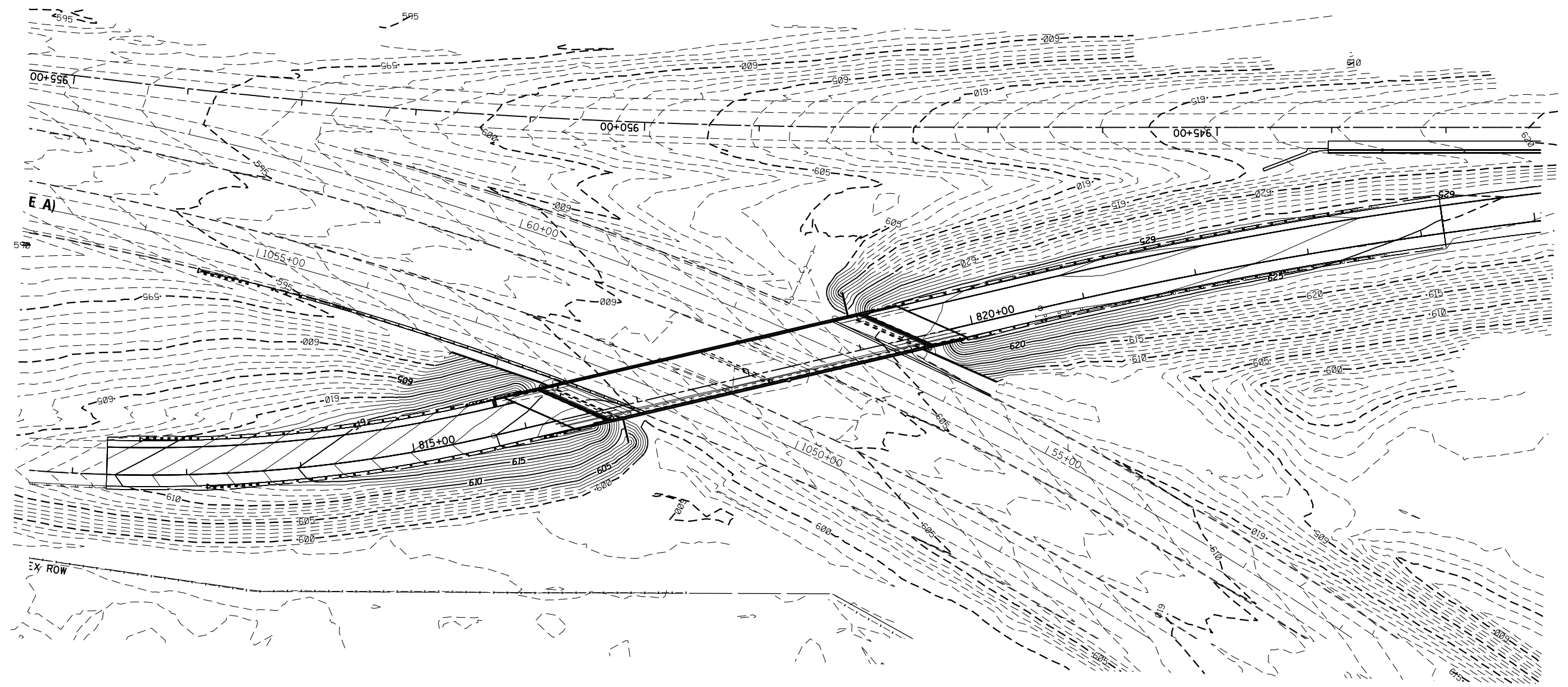
FILE NAME =	USER NAME = default	DESIGNED -	PTG	REVISED -	
#FILEL\$		DRAWN -	PTG	REVISED -	
	PLOT SCALE = #SCALE#	CHECKED -	RGR	REVISED -	
	PLOT DATE = 3/29/2013	DATE -	03/29/2013	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>LANDSCAPING &amp; VEGETATION MANAGEMENT PLAN</b>			
<b>STONY ISLAND EXTENSION</b>			
SCALE: 1"=50'	SHEET NO. 14 OF 14 SHEETS	STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	276
CONTRACT NO. 60J12			ILLINOIS FED. AID PROJECT	

S:\1072\05\_CADD\0160J12\_Sheets\0160J12-shr-t-indesp-1.dgn



BOWMAN, BARRETT & ASSOCIATES INC.  
 CONSULTING ENGINEERS  
 Chicago, Illinois  
 312.228.0100  
 www.bbandainc.com



FILE NAME = *FILEL\$	USER NAME = default	DESIGNED - BDC	REVISED -
		DRAWN - BDC	REVISED -
	PLOT SCALE = *SCALE*	CHECKED - RGR	REVISED -
	PLOT DATE = 4/5/2013	DATE - 03/29/2013	REVISED -

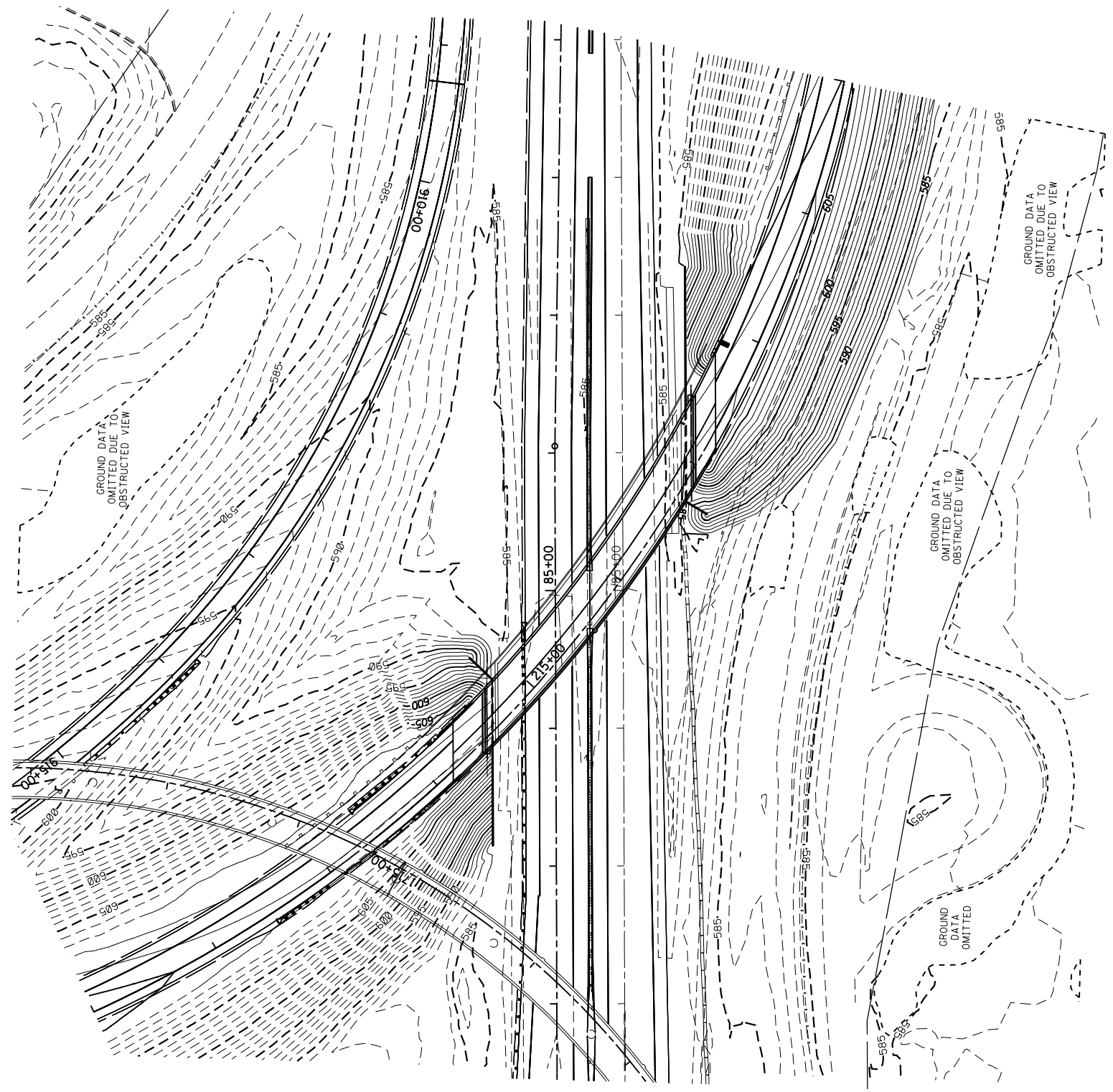
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CONTOUR GRADING SN 016-2470  
 STONY ISLAND CONNECTOR**

SCALE: 1"=50'    SHEET NO. 1 OF 2 SHEETS    STA.    TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	277
CONTRACT NO. 60J12			ILLINOIS FED. AID PROJECT	

S:\1072-05-CADD\0160J12\_Sheets\0160J12-sh1-contour-01.dgn



BOWMAN, BARRETT & ASSOCIATES INC.  
 CONSULTING ENGINEERS  
 Chicago, Illinois  
 312.228.0100  
 www.bbandainc.com



FILE NAME =	USER NAME = default	DESIGNED - BDC	REVISED -
*FILEL\$		DRAWN - BDC	REVISED -
	PLOT SCALE = *SCALE*	CHECKED - RGR	REVISED -
	PLOT DATE = 4/5/2013	DATE - 03/29/2013	REVISED -























**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CONTOUR GRADING SN 016-2471  
 STONY ISLAND CONNECTOR**

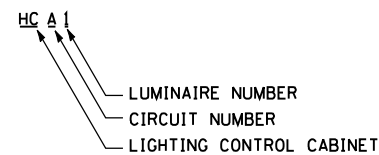
SCALE: 1"=50' SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	278
CONTRACT NO. 60J12			ILLINOIS FED. AID PROJECT	

**LIGHTING LEGEND**

-  PROPOSED LIGHTING UNIT  
47.5' M.H., 15' DAVIT ARM, WITH 400W, 240V HPS LUMINAIRE, TYPE III  
6 AMP FUSE
-  PROPOSED LIGHTING UNIT  
47.5' M.H., 15' DAVIT ARM, WITH 400W, 240V HPS LUMINAIRE, TYPE II  
6 AMP FUSE
-  PROPOSED DUAL ARM LIGHTING UNIT  
47.5' M.H., DUAL 10' DAVIT ARMS, WITH 400W, 240V HPS LUMINAIRES, TYPE III, 6 AMP  
FUSE
-  PROPOSED LIGHTING UNIT  
47.5' M.H., 6' DAVIT ARM, WITH 400W, 240V HPS LUMINAIRE, TYPE III (U.N.O.),  
6 AMP FUSE
-  TEMPORARY LIGHTING UNIT  
50' M.H. (U.N.O.), 15' MAST ARM, WITH 400W, 240V  
TEMPORARY HPS LUMINAIRE, TYPE III, 6 AMP FUSE
-  EXISTING LIGHTING UNIT TO BE REMOVED
-  EXISTING TEMPORARY LIGHTING UNIT FROM PREVIOUS CONTRACT  
TO BE REMOVED AT CONCLUSION OF THIS CONTRACT
-  EXISTING LIGHTING UNIT TO REMAIN
-  EXISTING CDOT TWIN ARM LIGHTING UNIT  
TO BE REMOVED
-  RIGID GALVANIZED STEEL CONDUIT (RGC)  
SIZE AS INDICATED
-  EXISTING UNIT DUCT
-  UNIT DUCT, AS SPECIFIED IN PLANS
-  AERIAL CABLE, 3-1/C NO.2 WITH MESSENGER WIRE (U.N.O.)
-  EXISTING AERIAL CABLE FROM PREVIOUS CONTRACT
-  PROPOSED LIGHTING CONTROLLER CABINET,  
240/480V, SINGLE PHASE, 3 WIRE
-  EXISTING LIGHTING CONTROLLER CABINET
-  PROPOSED UNDERPASS LUMINAIRE  
SIZE AND TYPE PER PLANS
-  EXISTING UNDERPASS LUMINAIRE  
TO BE REMOVED
-  WOOD POLE, 60 FOOT, CLASS 4 (U.N.O.)
-  EXISTING ELECTRIC SERVICE LOCATION
-  GROUND ROD, 5/8" x 10'
-  JUNCTION BOX, SIZE AND TYPE AS NOTED

**CALL OUT LEGEND:**



**ABBREVIATIONS**

ABBREVIATION	DESCRIPTION
AC	ALTERNATING CURRENT
A/C	AERIAL CABLE
AFG	ABOVE FINISHED GRADE
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CM	CENTIMETER
CNC	COILABLE NONMETALLIC CONDUIT
CT	CURRENT TRANSFORMER
CP	CONTROL PANEL
DJA	DIAMETER
DMS	DIGITAL MESSAGE SIGN
E	EXISTING UNIT TO REMAIN
ECA	ELECTRIC CABLE ASSEMBLY
FT	FEET OR FOOT
FND MET	FOUNDATION METAL
FU	FUSE
GND	GROUND
HID	HIGH INTENSITY DISCHARGE
HPS	HIGH PRESSURE SODIUM
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE
KW	KILOWATTS
M	METER
M.A.	MAST ARM
M.H.	MOUNTING HEIGHT
NO.	NUMBER
PH	PHASE
RGC	RIGID GALVANIZED CONDUIT
RGS	RIGID GALVANIZED STEEL
STA	STATION
T	TEMPORARY LIGHTING UNIT
TB	TRANSFORMER BASE
TC	TRIPLEXED CABLE
TMP	TEMPORARY
UD	UNIT DUCT
U.N.O.	UNLESS NOTED OTHERWISE
WP	WOOD POLE
XFMR	TRANSFORMER

**GENERAL NOTES:**

- THE ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND ASSOCIATED SUPPLEMENTAL SPECIFICATIONS (LATEST EDITION), AS WELL AS THE NATIONAL ELECTRICAL CODE.
- ALL LUMINAIRES SHALL BE ORIENTED WITH THE OPTICS PERPENDICULAR TO THE ROADWAY UNLESS OTHERWISE INDICATED OR DIRECTED BY THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE APPLICABLE LUMINAIRE PAY ITEMS.
- WHEREVER TEMPORARY AERIAL CABLE IS REQUIRED TO CROSS AN EXISTING AND/OR PROPOSED ROADWAY, THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF 20 FEET OF VERTICAL CLEARANCE OVER THE ROADWAY AT ALL TIMES.
- GROUND RODS ARE INCLUDED IN THE COST OF THE ITEM FOR WHICH THEY ARE INSTALLED, INCLUDING WOOD LIGHT POLES.
- IN AREAS WHERE NO TEMPORARY LIGHTING IS PROVIDED (AREAS WHERE ROADWAY WORK IS LIMITED TO RESURFACING OR NO ROADWAY WORK IS PROPOSED), EXISTING LIGHTING SHALL REMAIN IN OPERATION UNTIL THE PROPOSED LIGHTING IS ACTIVATED.
- THE CONTRACTOR SHALL COORDINATE THE REMOVAL/INSTALLATION OF LIGHTING EQUIPMENT WITH THE CONSTRUCTION STAGING SO THAT AT NO TIME THE ROADWAY IS LEFT UNLIT.
- SEE STRUCTURAL DRAWINGS FOR ADDITIONAL DETAILS ASSOCIATED WITH BRIDGE MOUNTED LIGHTING.
- LOCATIONS OF LIGHTING CONDUITS AND FOUNDATIONS IN CLOSE PROXIMITY TO EXISTING CHICAGO DEPARTMENT OF WATER MANAGEMENT FACILITIES MUST BE COORDINATED IN THE FIELD WITH A DEPARTMENT OF WATER MANAGEMENT REPRESENTATIVE. ALL EXCAVATION IN THESE LOCATIONS MUST BE PERFORMED BY HAND.
- 20" x 13" x 12" NON-METALLIC JUNCTION BOXES EMBEDDED IN STRUCTURE WILL BE PAID FOR AS "JUNCTION BOX (SPECIAL)." 21" x 11" x 8" NON-METALLIC JUNCTION BOXES EMBEDDED IN STRUCTURE WILL BE PAID FOR AS "JUNCTION BOX, EMBEDDED IN STRUCTURE, SPECIAL."
- SETBACKS FOR PROPOSED LIGHT POLES ARE MEASURED FROM CENTER OF POLE TO EDGE OF TRAVELED PAVEMENT.

**LIGHTING BILL OF MATERIALS**

ITEM	UNIT	QUANTITY
ELECTRIC SERVICE INSTALLATION	EACH	3
ELECTRIC UTILITY SERVICE CONNECTION	L SUM	0.5
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	2799
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	115
CONDUIT ATTACHED TO STRUCTURE, 1" DIA., GALVANIZED STEEL	FOOT	355
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	941
CONDUIT EMBEDDED IN STRUCTURE, 4" DIA., PVC	FOOT	3520
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 4" X 4" X 3"	EACH	16
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 16" X 14" X 6"	EACH	2
UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	30063
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1136
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	2020
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	6060
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C 350 MCM	FOOT	2493
AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE	FOOT	12475
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	176
LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 6 FT. DAVIT ARM	EACH	5
LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 15 FT. DAVIT ARM	EACH	137
LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 2-10 FT. DAVIT ARMS	EACH	17
LIGHT POLE, WOOD, 60 FOOT, CLASS 4, WITH 15FT MAST ARM	EACH	53
LIGHT POLE, WOOD, 90 FOOT, CLASS 3, WITH 15FT MAST ARM	EACH	2
LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	1463
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	137
REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	70
REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	152
REMOVAL OF POLE FOUNDATION	EACH	152
REMOVAL OF LIGHTING CONTROLLER	EACH	3
REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	3
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	350
CABLE IN CONDUIT, TRIPLEX, 2-1/C NO. 6 AND 1-1/C NO. 8 GROUND	FOOT	225
WOOD POLE, 60 FT, CLASS 4	EACH	4
JUNCTION BOX (SPECIAL)	EACH	2
JUNCTION BOX EMBEDDED IN STRUCTURE, SPECIAL	EACH	8
TEMPORARY LUMINAIRE, HIGH PRESSURE SODIUM VAPOR, 400 WATT	EACH	55
LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 200AMP (DUAL), RADIO SCADA	EACH	3
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	176
MAINTENANCE OF LIGHTING SYSTEM	CAL MO	14
UNDERPASS LUMINAIRE, 90 WATT, CERAMIC METAL HALIDE	EACH	16

••: TOTAL CONSISTS OF 48 TYPE II LUMINAIRES AND 128 TYPE III LUMINAIRES



FILE NAME :	USER NAME = rswanson	DESIGNED - JWJ	REVISED -
		DRAWN - BHH	REVISED -
	PLOT SCALE = 50.0000' / IN.	CHECKED - MKR	REVISED -
	PLOT DATE = 5/3/2013	DATE - 3/29/13	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

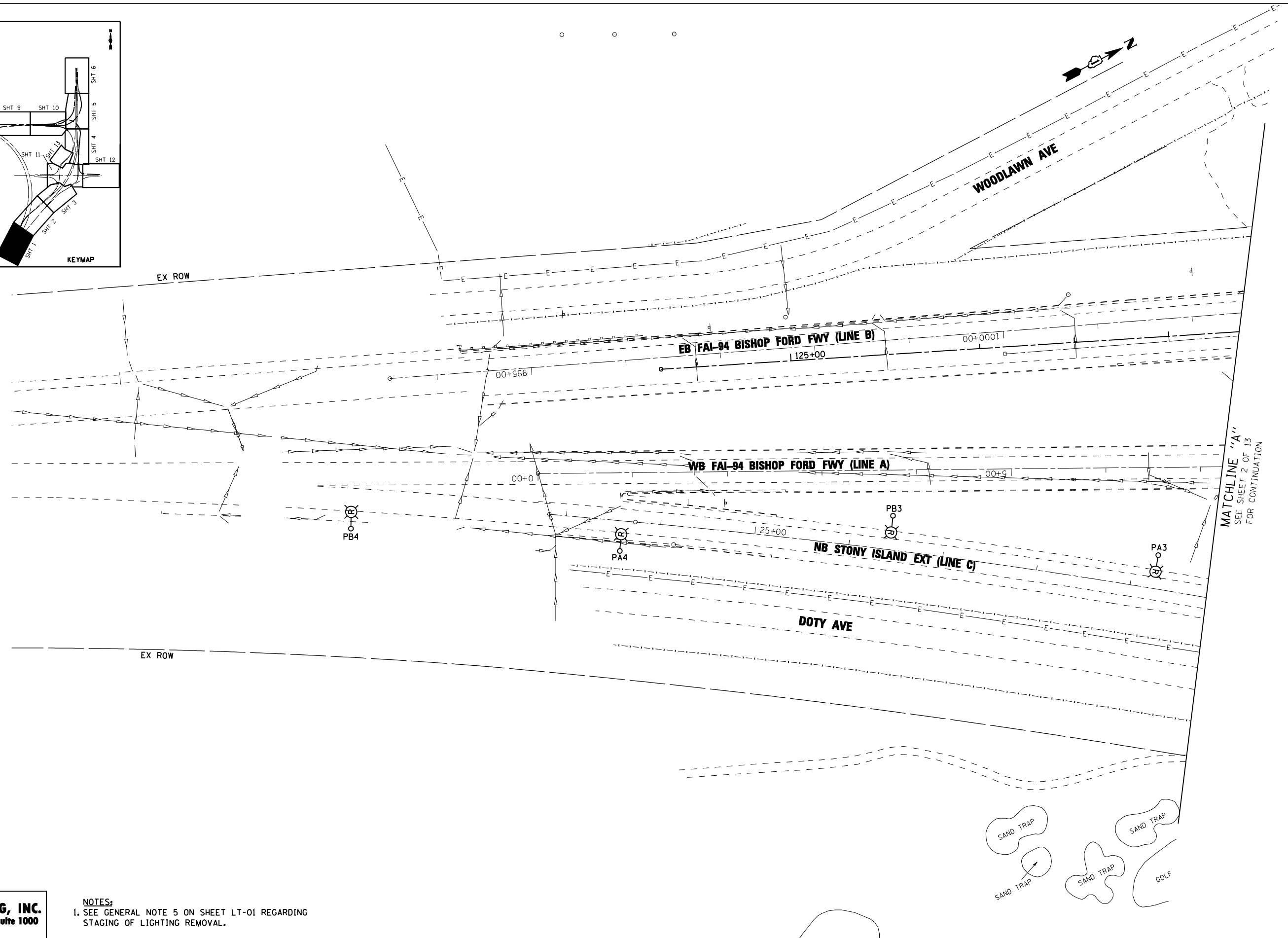
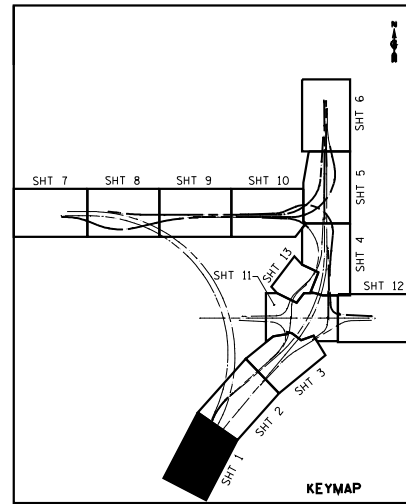
**LIGHTING GENERAL NOTES, LEGEND, AND SCHEDULE OF QUANTITIES**  
**STONY ISLAND EXTENSION**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	279
CONTRACT NO. 60J12			ILLINOIS FED. AID PROJECT	

LT-01

S:\Projects\3810 Stony Island Feeder - BBA\Project Work\CADD Sheets\016012-akt-light-01.dgn



MATCHLINE "A"  
SEE SHEET 2 OF 13  
FOR CONTINUATION

**NOTES:**  
1. SEE GENERAL NOTE 5 ON SHEET LT-01 REGARDING STAGING OF LIGHTING REMOVAL.

**EJM ENGINEERING, INC.**  
411 South Wells Street Suite 1000  
Chicago, Illinois 60607

FILE NAME :	USER NAME = rswanson	DESIGNED - JWJ	REVISED -
		DRAWN - BHH	REVISED -
	PLOT SCALE = 50.000' / IN.	CHECKED - MKR	REVISED -
	PLOT DATE = 3/29/2013	DATE - 3/29/13	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY LIGHTING AND REMOVAL PLAN  
STONY ISLAND EXTENSION**

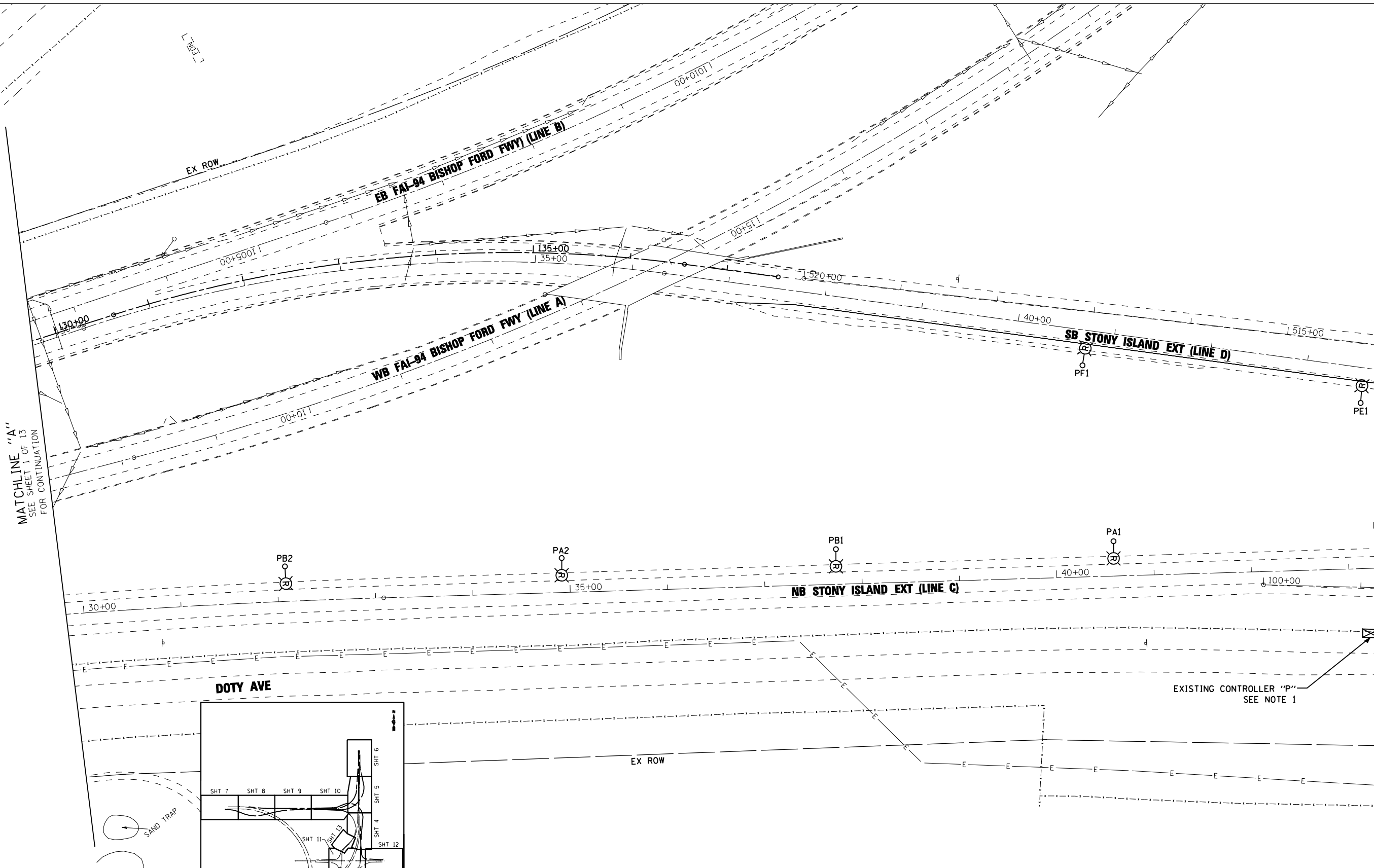
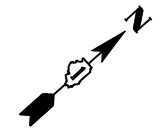
SCALE: 1"=50' SHEET NO. 1 OF 13 SHEETS STA. TO STA.

F.A.I. RTE. 94	SECTION 2012-059-BR	COUNTY COOK	TOTAL SHEETS 631	SHEET NO. 280
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60J12	

LT-02

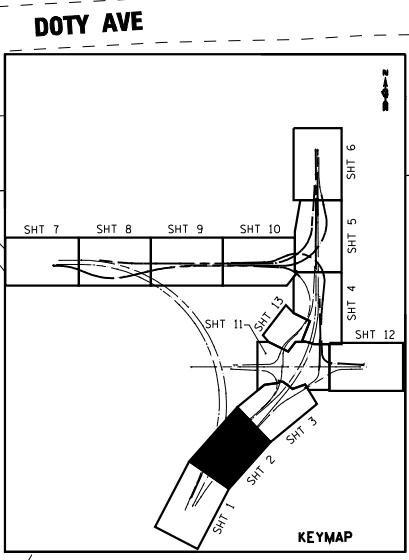
s:\projects\3810 stony island feeder - bba\project work\cadd sheets\160J12-int-light-02.dgn





MATCHLINE "A"  
SEE SHEET 1 OF 13  
FOR CONTINUATION

MATCHLINE "B"  
SEE SHEET 3 OF 13  
FOR CONTINUATION



- NOTES:**
1. REMOVE EXISTING CONTROLLER "P" AND FOUNDATION AFTER ACTIVATION OF NEW CONTROLLER "P."
  2. SEE GENERAL NOTE 5 ON SHEET LT-01 REGARDING STAGING OF LIGHTING REMOVAL.

**EJM ENGINEERING, INC.**  
411 South Wells Street Suite 1000  
Chicago, Illinois 60607

FILE NAME :	USER NAME = rswanson	DESIGNED - JWL	REVISED -
		DRAWN - BHH	REVISED -
	PLOT SCALE = 50.000' / IN.	CHECKED - MKR	REVISED -
	PLOT DATE = 5/3/2013	DATE - 3/29/13	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

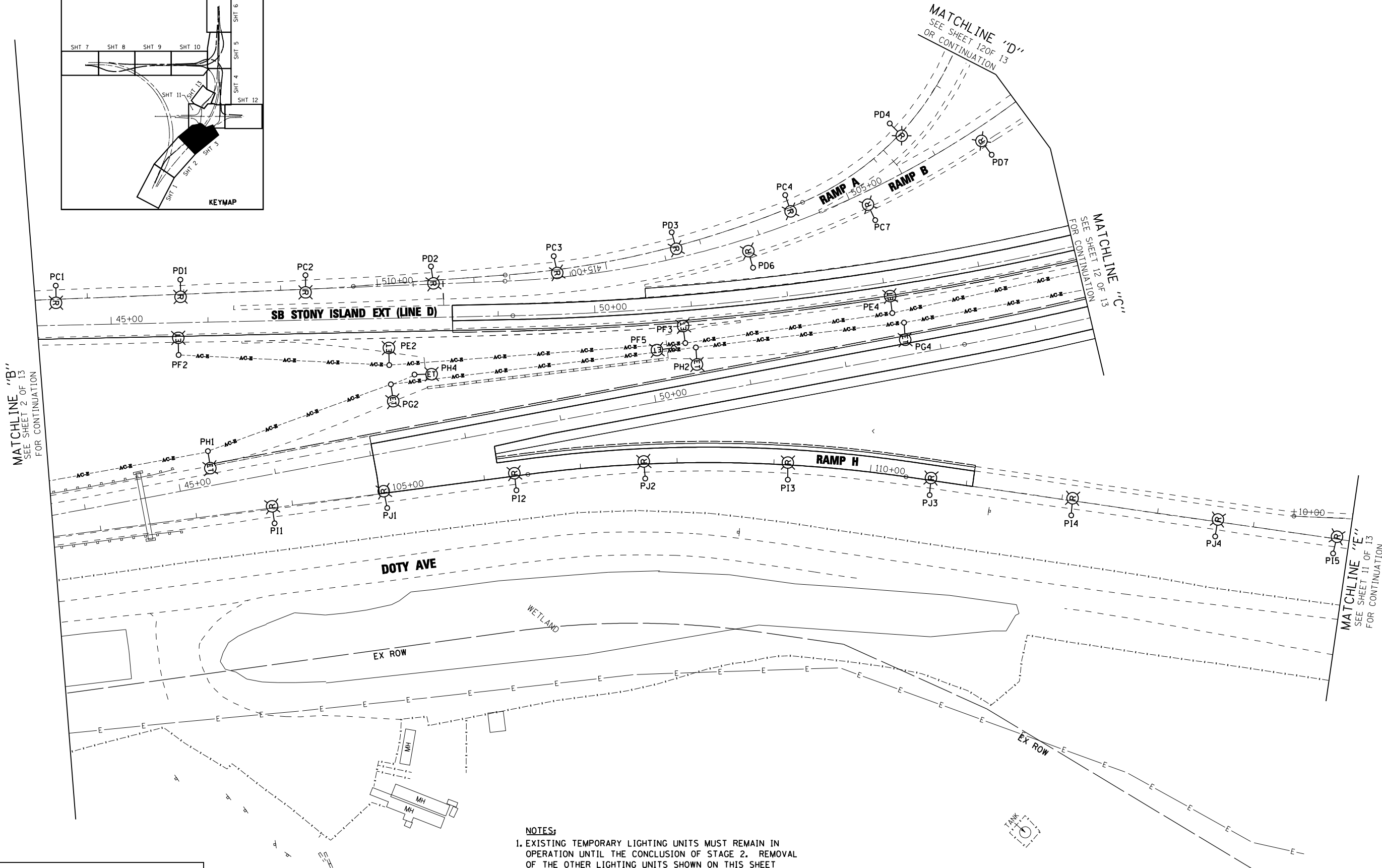
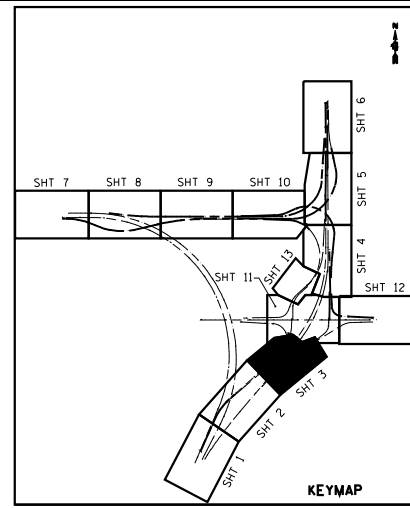
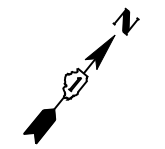
**TEMPORARY LIGHTING AND REMOVAL PLAN  
STONY ISLAND EXTENSION**

SCALE: 1"=50' SHEET NO. 2 OF 13 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	281
			CONTRACT NO. 60J12	
ILLINOIS FED. AID PROJECT				

LT-03

s:\projects\2010 stony island feeder - bba\project work\cadd sheets\160J12-int-light-03.dgn



**NOTES:**  
 1. EXISTING TEMPORARY LIGHTING UNITS MUST REMAIN IN OPERATION UNTIL THE CONCLUSION OF STAGE 2. REMOVAL OF THE OTHER LIGHTING UNITS SHOWN ON THIS SHEET SHALL BE PER GENERAL NOTE 5 ON SHEET LT-01.

**EJM ENGINEERING, INC.**  
 411 South Wells Street Suite 1000  
 Chicago, Illinois 60607

FILE NAME :	USER NAME = rswanson	DESIGNED - JWL	REVISED -
		DRAWN - BHH	REVISED -
	PLOT SCALE = 50.000' / IN.	CHECKED - MKR	REVISED -
	PLOT DATE = 3/29/2013	DATE - 3/29/13	REVISED -

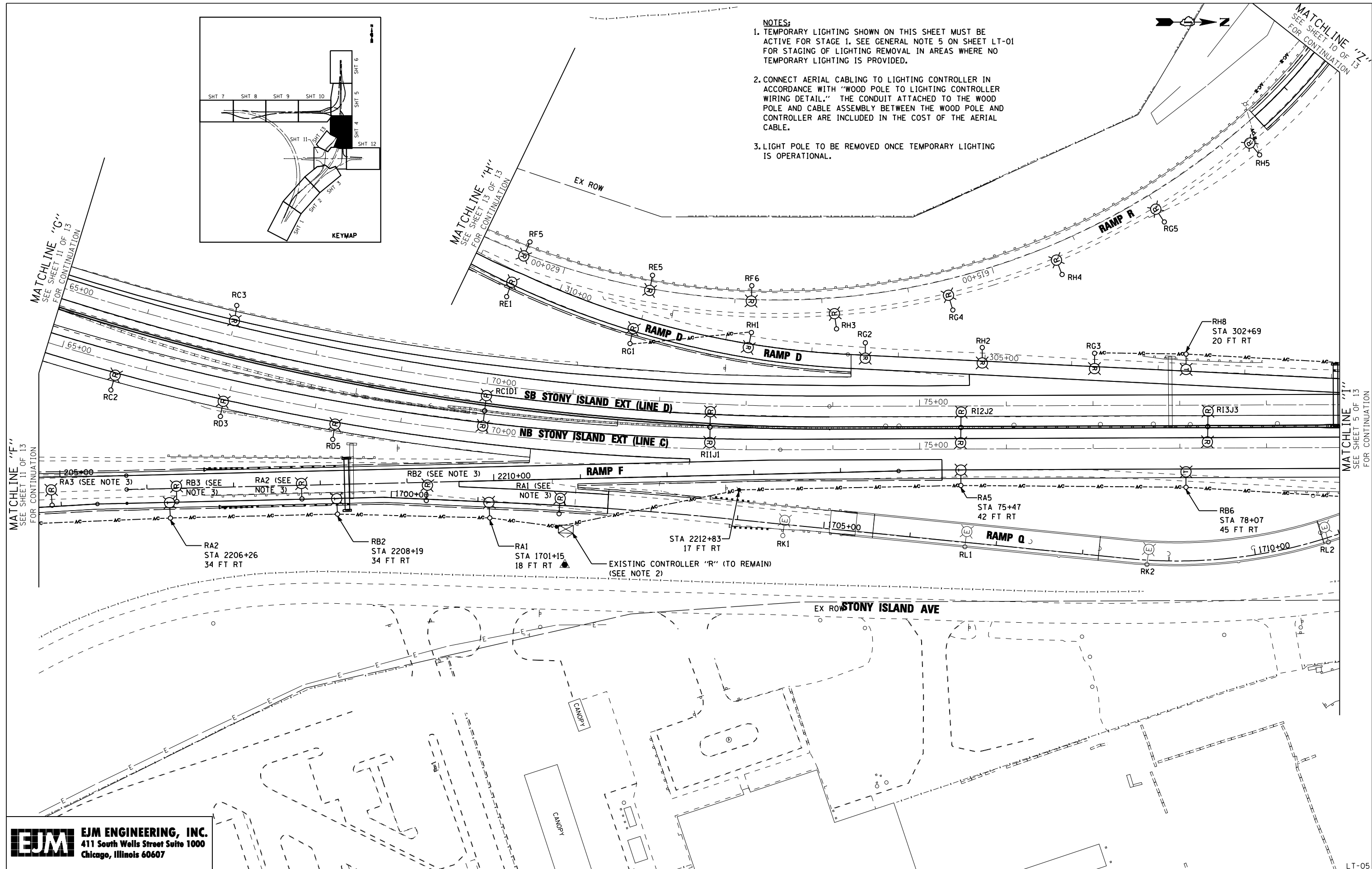
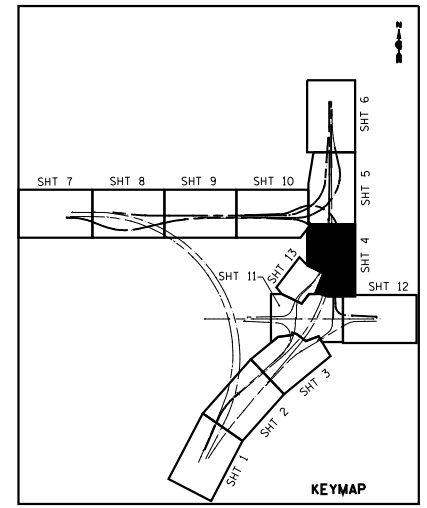
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY LIGHTING AND REMOVAL PLAN  
 STONY ISLAND EXTENSION**  
 SCALE: 1"=50' SHEET NO. 3 OF 13 SHEETS STA. TO STA.

F.A.I. RTE.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	282
CONTRACT NO. 60J12			ILLINOIS FED. AID PROJECT	

LT-04  
 s:\projects\3810 stony island feeder - bba\project work\cadd sheets\160J12-int-light-04.dgn

- NOTES:**
- TEMPORARY LIGHTING SHOWN ON THIS SHEET MUST BE ACTIVE FOR STAGE 1. SEE GENERAL NOTE 5 ON SHEET LT-01 FOR STAGING OF LIGHTING REMOVAL IN AREAS WHERE NO TEMPORARY LIGHTING IS PROVIDED.
  - CONNECT AERIAL CABLING TO LIGHTING CONTROLLER IN ACCORDANCE WITH "WOOD POLE TO LIGHTING CONTROLLER WIRING DETAIL." THE CONDUIT ATTACHED TO THE WOOD POLE AND CABLE ASSEMBLY BETWEEN THE WOOD POLE AND CONTROLLER ARE INCLUDED IN THE COST OF THE AERIAL CABLE.
  - LIGHT POLE TO BE REMOVED ONCE TEMPORARY LIGHTING IS OPERATIONAL.



**EJM ENGINEERING, INC.**  
 411 South Wells Street Suite 1000  
 Chicago, Illinois 60607

FILE NAME :	USER NAME = rswanson	DESIGNED - JWJ	REVISED -
		DRAWN - BHH	REVISED -
	PLOT SCALE = 50.000' / IN.	CHECKED - MKR	REVISED -
	PLOT DATE = 5/3/2013	DATE - 3/29/13	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY LIGHTING AND REMOVAL PLAN  
 STONY ISLAND EXTENSION**

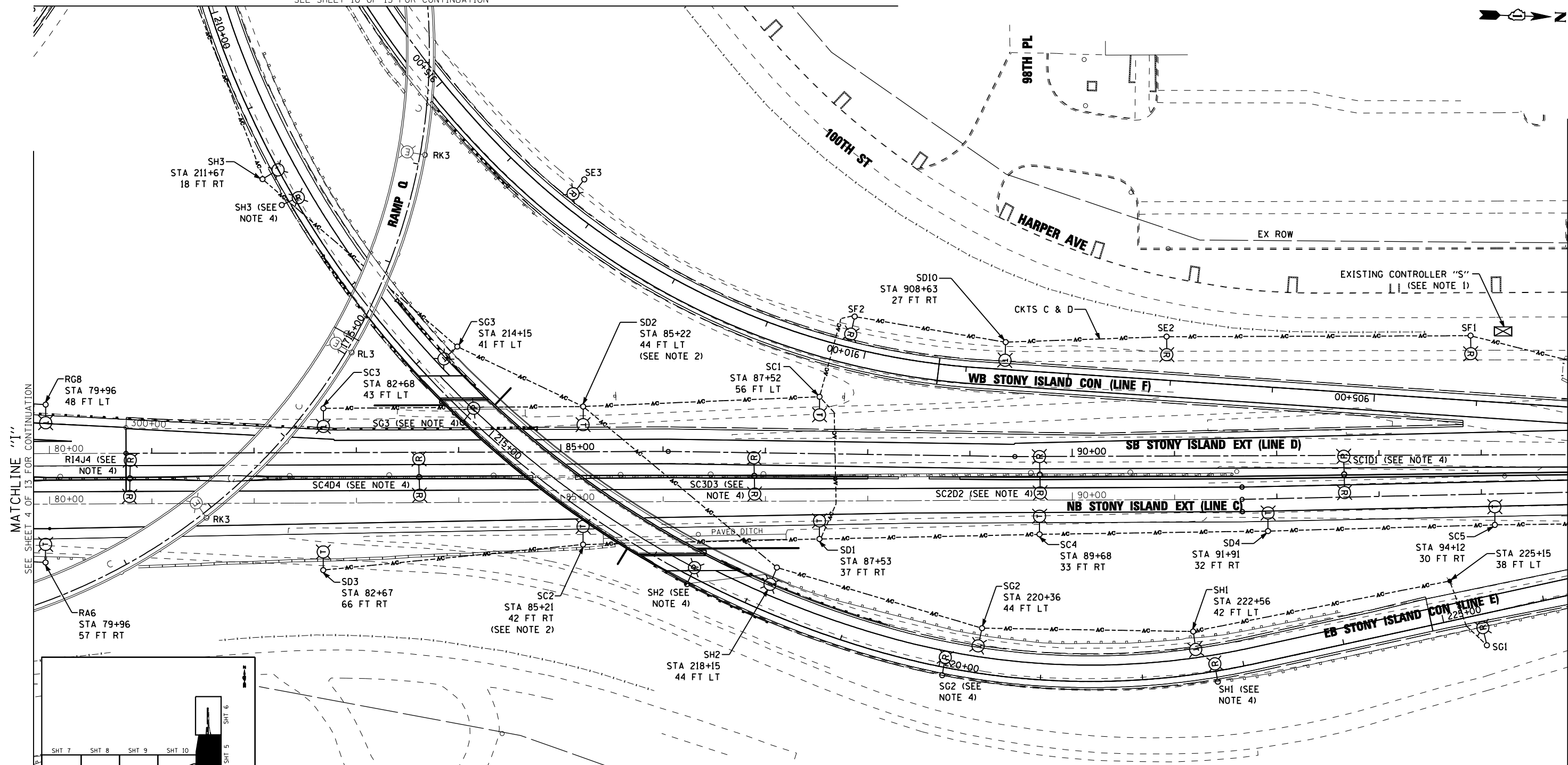
SCALE: 1"=50' SHEET NO. 4 OF 13 SHEETS STA. TO STA.

F.A.I. RTE. 94	SECTION 2012-059-BR	COUNTY COOK	TOTAL SHEETS 631	SHEET NO. 283
CONTRACT NO. 60J12			ILLINOIS FED. AID PROJECT	

LT-05

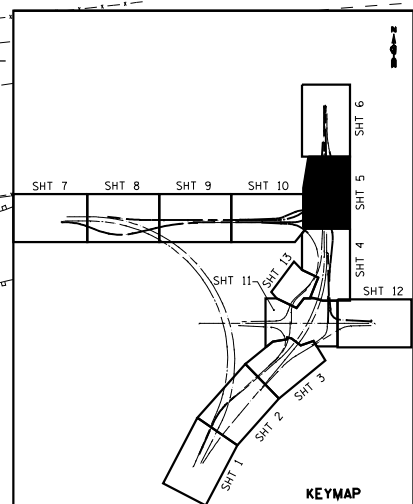
s:\projects\3010 stony island feeder - bba\project work\cadd sheets\160J12-int-light-05.dgn

MATCHLINE "O"  
SEE SHEET 10 OF 13 FOR CONTINUATION



MATCHLINE "I"  
SEE SHEET 4 OF 13 FOR CONTINUATION

MATCHLINE "J"  
SEE SHEET 6 OF 13 FOR CONTINUATION



- NOTES:**
1. REMOVE EXISTING CONTROLLER AND FOUNDATION AFTER ACTIVATION OF PROPOSED CONTROLLER "S."
  2. TEMPORARY LUMINAIRE SHALL BE INSTALLED AT 70 FT MOUNTING HEIGHT (ON 90 FOOT CLASS 3 WOOD POLE).
  3. TEMPORARY LIGHTING SHOWN ON THIS SHEET MUST BE ACTIVE FOR STAGE 1. SEE GENERAL NOTE 5 ON SHEET LT-01 FOR STAGING OF LIGHTING REMOVAL IN AREAS WHERE NO TEMPORARY LIGHTING IS PROVIDED.
  4. LIGHT POLE TO BE REMOVED ONCE TEMPORARY LIGHTING IS OPERATIONAL.

**EJM ENGINEERING, INC.**  
411 South Wells Street Suite 1000  
Chicago, Illinois 60607

FILE NAME :	USER NAME = rswanson	DESIGNED - JWJ	REVISED -
		DRAWN - BHH	REVISED -
	PLOT SCALE = 50.000' / IN.	CHECKED - MKR	REVISED -
	PLOT DATE = 5/3/2013	DATE - 3/29/13	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

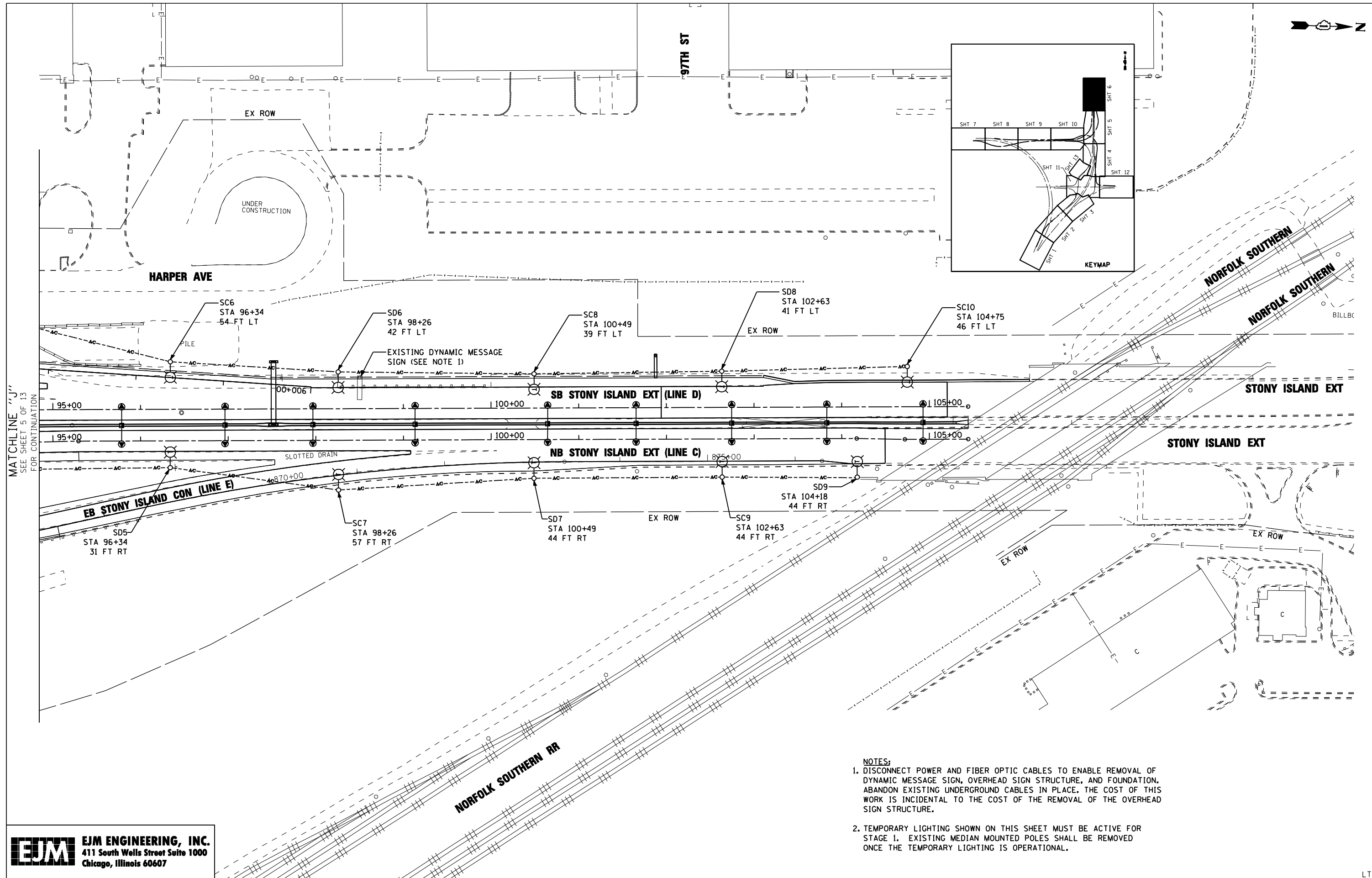
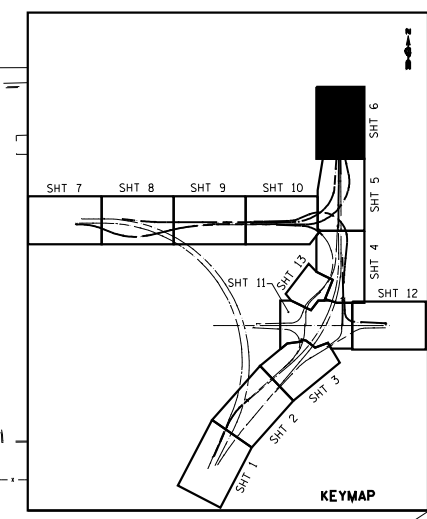
**TEMPORARY LIGHTING AND REMOVAL PLAN  
STONY ISLAND EXTENSION**

SCALE: 1"=50' SHEET NO. 5 OF 13 SHEETS STA. TO STA.

F.A.I. RTE. 94	SECTION 2012-059-BR	COUNTY COOK	TOTAL SHEETS 631	SHEET NO. 284
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60J12	

LT-06

s:\projects\3810 stony island feeder - bba\project work\cadd sheets\160J12-int-light-06.dgn



MATCHLINE "J"  
SEE SHEET 5 OF 13  
FOR CONTINUATION

- NOTES:**
- DISCONNECT POWER AND FIBER OPTIC CABLES TO ENABLE REMOVAL OF DYNAMIC MESSAGE SIGN, OVERHEAD SIGN STRUCTURE, AND FOUNDATION. ABANDON EXISTING UNDERGROUND CABLES IN PLACE. THE COST OF THIS WORK IS INCIDENTAL TO THE COST OF THE REMOVAL OF THE OVERHEAD SIGN STRUCTURE.
  - TEMPORARY LIGHTING SHOWN ON THIS SHEET MUST BE ACTIVE FOR STAGE I. EXISTING MEDIAN MOUNTED POLES SHALL BE REMOVED ONCE THE TEMPORARY LIGHTING IS OPERATIONAL.

**EJM ENGINEERING, INC.**  
411 South Wells Street Suite 1000  
Chicago, Illinois 60607

FILE NAME :	USER NAME : rswanson	DESIGNED : JWL	REVISED :
		DRAWN : BHH	REVISED :
	PLOT SCALE = 50.000' / IN.	CHECKED : MKR	REVISED :
	PLOT DATE = 5/3/2013	DATE : 3/29/13	REVISED :

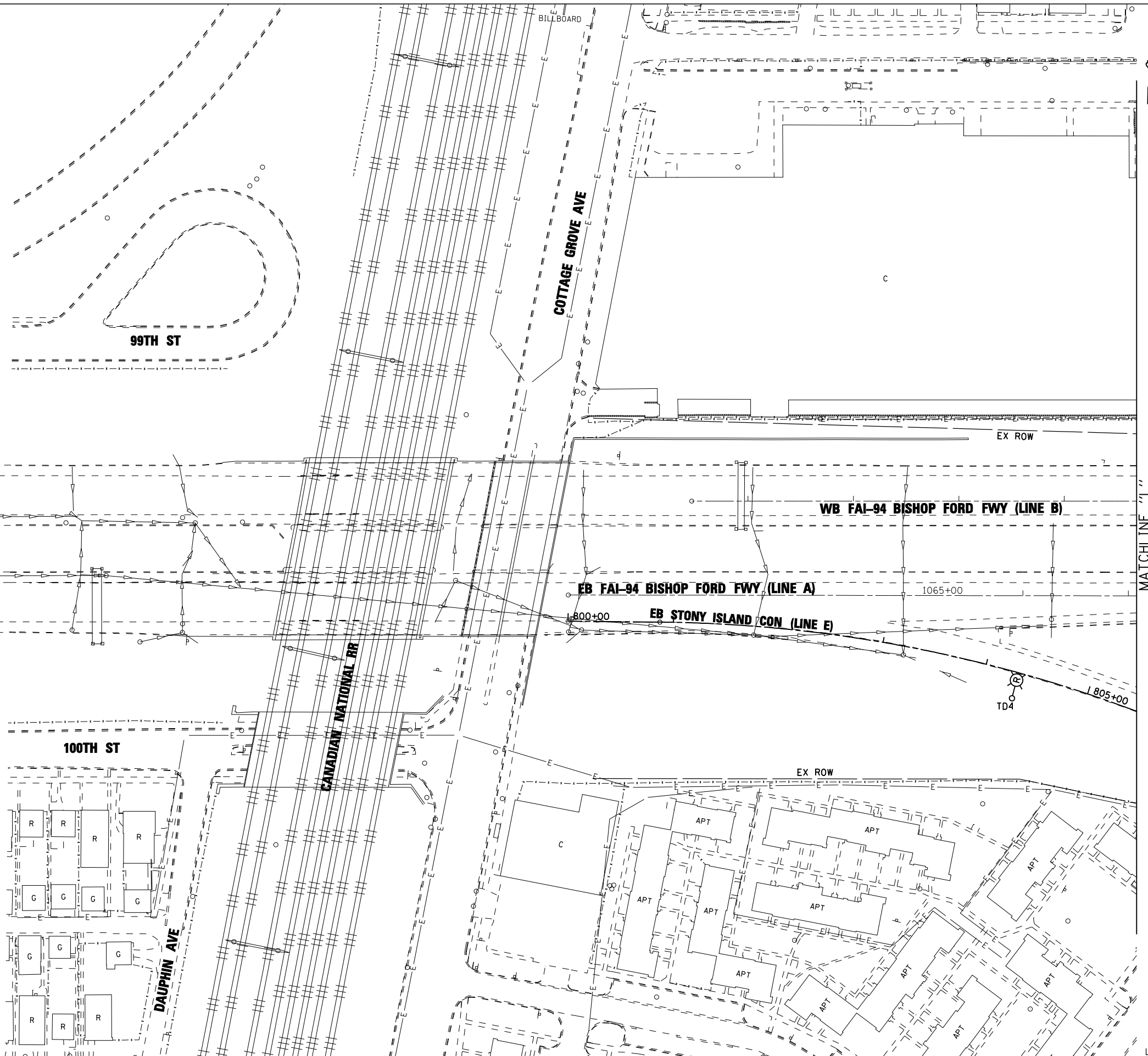
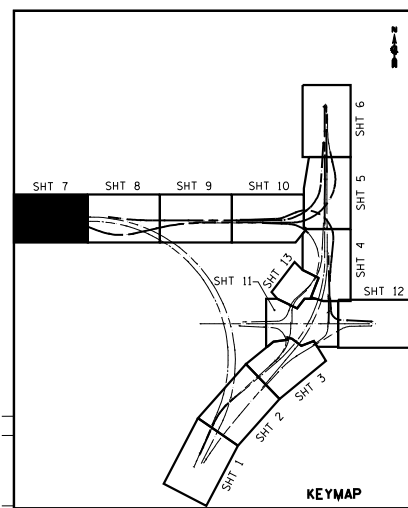
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY LIGHTING AND REMOVAL PLAN  
STONY ISLAND EXTENSION**

SCALE: 1"=50' SHEET NO. 6 OF 13 SHEETS STA. TO STA.

F.A.I. RTE.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	285
CONTRACT NO. 60J12			ILLINOIS FED. AID PROJECT	

LT-07  
stony\_island\_extension\project\_work\cadd\_sheets\160J12-int-lighting.dwg



NOTES:  
1. SEE GENERAL NOTE 5 ON SHEET LT-01 REGARDING STAGING OF LIGHTING REMOVAL.

**EJM ENGINEERING, INC.**  
411 South Wells Street Suite 1000  
Chicago, Illinois 60607

FILE NAME :	USER NAME = rswanson	DESIGNED - JWJ	REVISED -
		DRAWN - BHH	REVISED -
	PLOT SCALE = 50.000' / IN.	CHECKED - MKR	REVISED -
	PLOT DATE = 3/29/2013	DATE - 3/29/13	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY LIGHTING AND REMOVAL PLAN  
STONY ISLAND CONNECTOR**

SCALE: 1"=50' SHEET NO. 7 OF 13 SHEETS STA. TO STA.

F.A.I. RTE. 94	SECTION 2012-059-BR	COUNTY COOK	TOTAL SHEETS 631	SHEET NO. 286
			CONTRACT NO. 60J12	

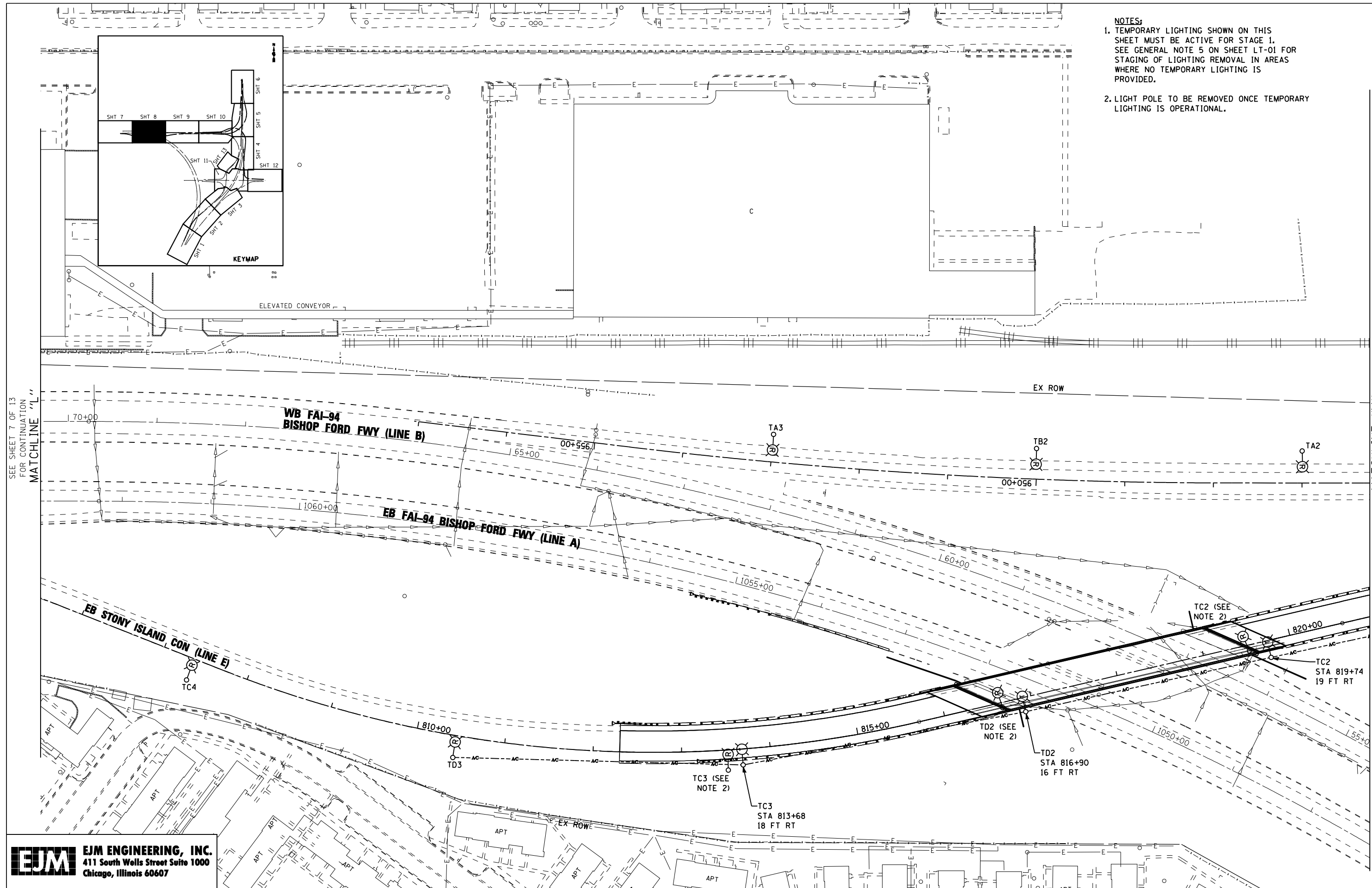
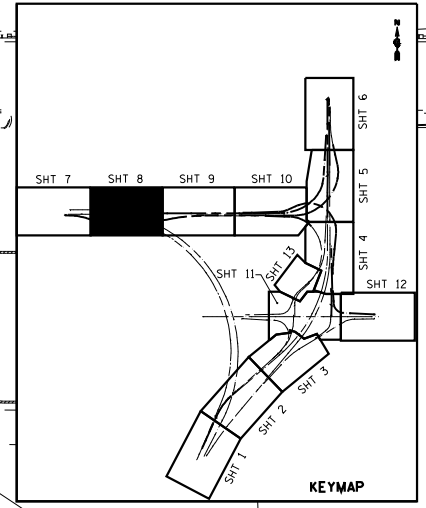
ILLINOIS FED. AID PROJECT

MATCHLINE 11'  
SEE SHEET 8 OF 13  
FOR CONTINUATION

LT-08

st:\projects\3010 stony island feeder - bba\project work\cadd sheets\016012-int-light-08.dgn

- NOTES:**
1. TEMPORARY LIGHTING SHOWN ON THIS SHEET MUST BE ACTIVE FOR STAGE 1. SEE GENERAL NOTE 5 ON SHEET LT-01 FOR STAGING OF LIGHTING REMOVAL IN AREAS WHERE NO TEMPORARY LIGHTING IS PROVIDED.
  2. LIGHT POLE TO BE REMOVED ONCE TEMPORARY LIGHTING IS OPERATIONAL.



**EJM ENGINEERING, INC.**  
 411 South Wells Street Suite 1000  
 Chicago, Illinois 60607

FILE NAME :	USER NAME = rswanson	DESIGNED - JWJ	REVISED -
		DRAWN - BHH	REVISED -
	PLOT SCALE = 50.000' / IN.	CHECKED - MKR	REVISED -
	PLOT DATE = 5/3/2013	DATE - 3/29/13	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

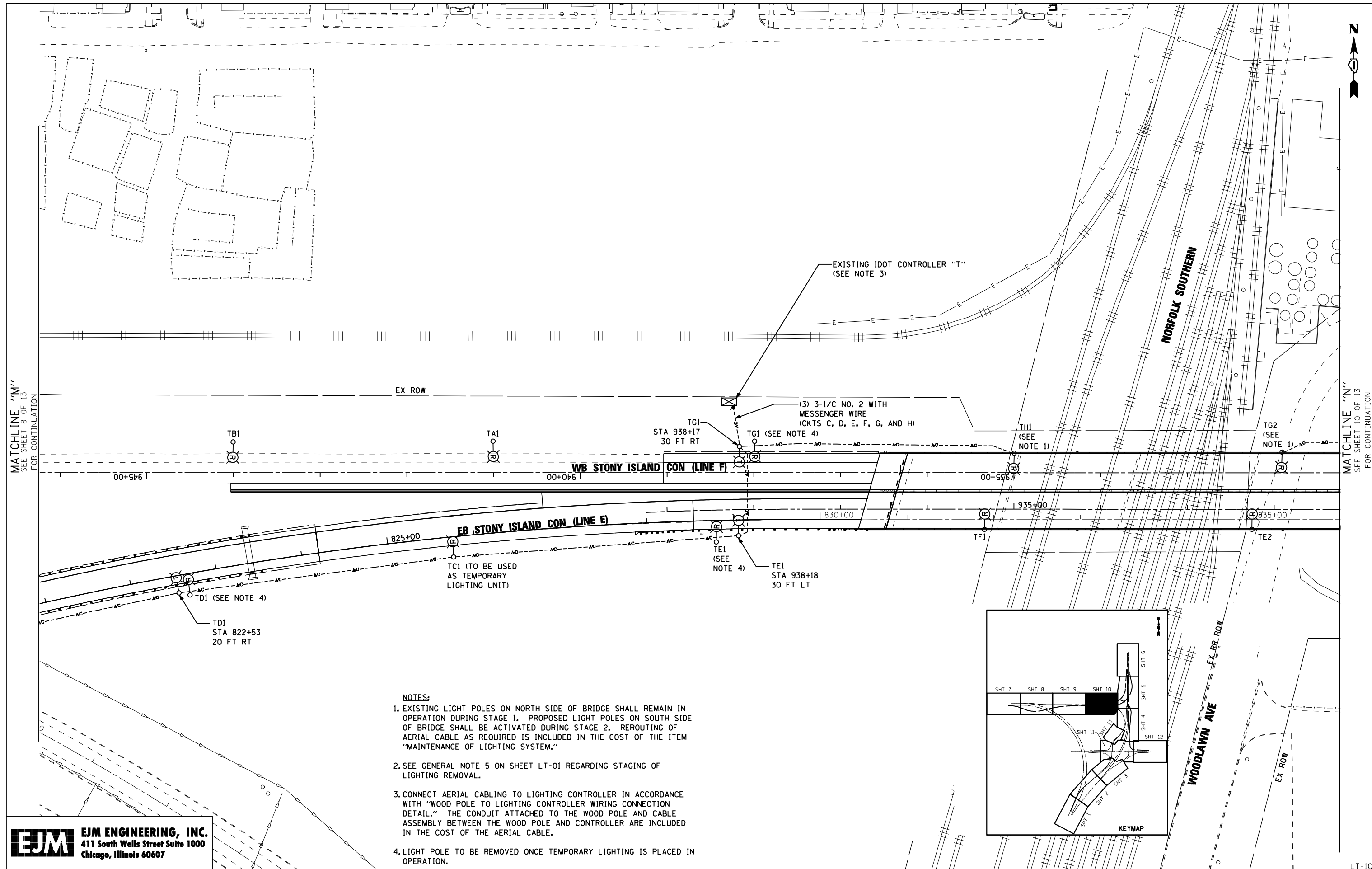
**TEMPORARY LIGHTING AND REMOVAL PLAN  
 STONY ISLAND CONNECTOR**

SCALE: 1"=50'    SHEET NO. 8 OF 13 SHEETS    STA.    TO STA.

F.A.I. RTE. = 94	SECTION = 2012-059-BR	COUNTY = COOK	TOTAL SHEETS = 631	SHEET NO. = 287
CONTRACT NO. 60J12			ILLINOIS FED. AID PROJECT	

LT-09

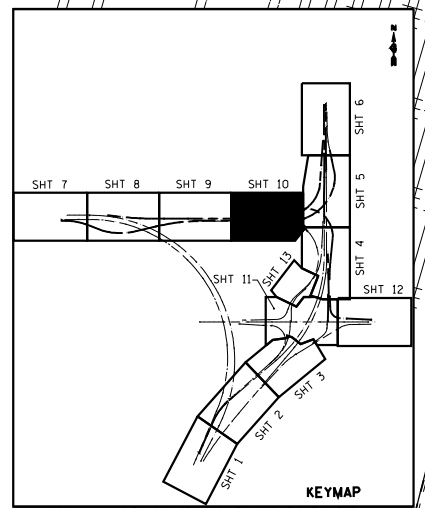
s:\projects\3810 stony island feeder - bba\project work\cadd sheets\16012-int-light-09.dgn



MATCHLINE "M"  
SEE SHEET 8 OF 13  
FOR CONTINUATION

MATCHLINE "N"  
SEE SHEET 10 OF 13  
FOR CONTINUATION

- NOTES:**
- EXISTING LIGHT POLES ON NORTH SIDE OF BRIDGE SHALL REMAIN IN OPERATION DURING STAGE 1. PROPOSED LIGHT POLES ON SOUTH SIDE OF BRIDGE SHALL BE ACTIVATED DURING STAGE 2. REROUTING OF AERIAL CABLE AS REQUIRED IS INCLUDED IN THE COST OF THE ITEM "MAINTENANCE OF LIGHTING SYSTEM."
  - SEE GENERAL NOTE 5 ON SHEET LT-01 REGARDING STAGING OF LIGHTING REMOVAL.
  - CONNECT AERIAL CABLING TO LIGHTING CONTROLLER IN ACCORDANCE WITH "WOOD POLE TO LIGHTING CONTROLLER WIRING CONNECTION DETAIL." THE CONDUIT ATTACHED TO THE WOOD POLE AND CABLE ASSEMBLY BETWEEN THE WOOD POLE AND CONTROLLER ARE INCLUDED IN THE COST OF THE AERIAL CABLE.
  - LIGHT POLE TO BE REMOVED ONCE TEMPORARY LIGHTING IS PLACED IN OPERATION.



**EJM ENGINEERING, INC.**  
411 South Wells Street Suite 1000  
Chicago, Illinois 60607

FILE NAME :	USER NAME : rswanson	DESIGNED : JWL	REVISED :
		DRAWN : BHH	REVISED :
	PLOT SCALE = 50.000' / IN.	CHECKED : MKR	REVISED :
	PLOT DATE = 5/3/2013	DATE : 3/29/13	REVISED :

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

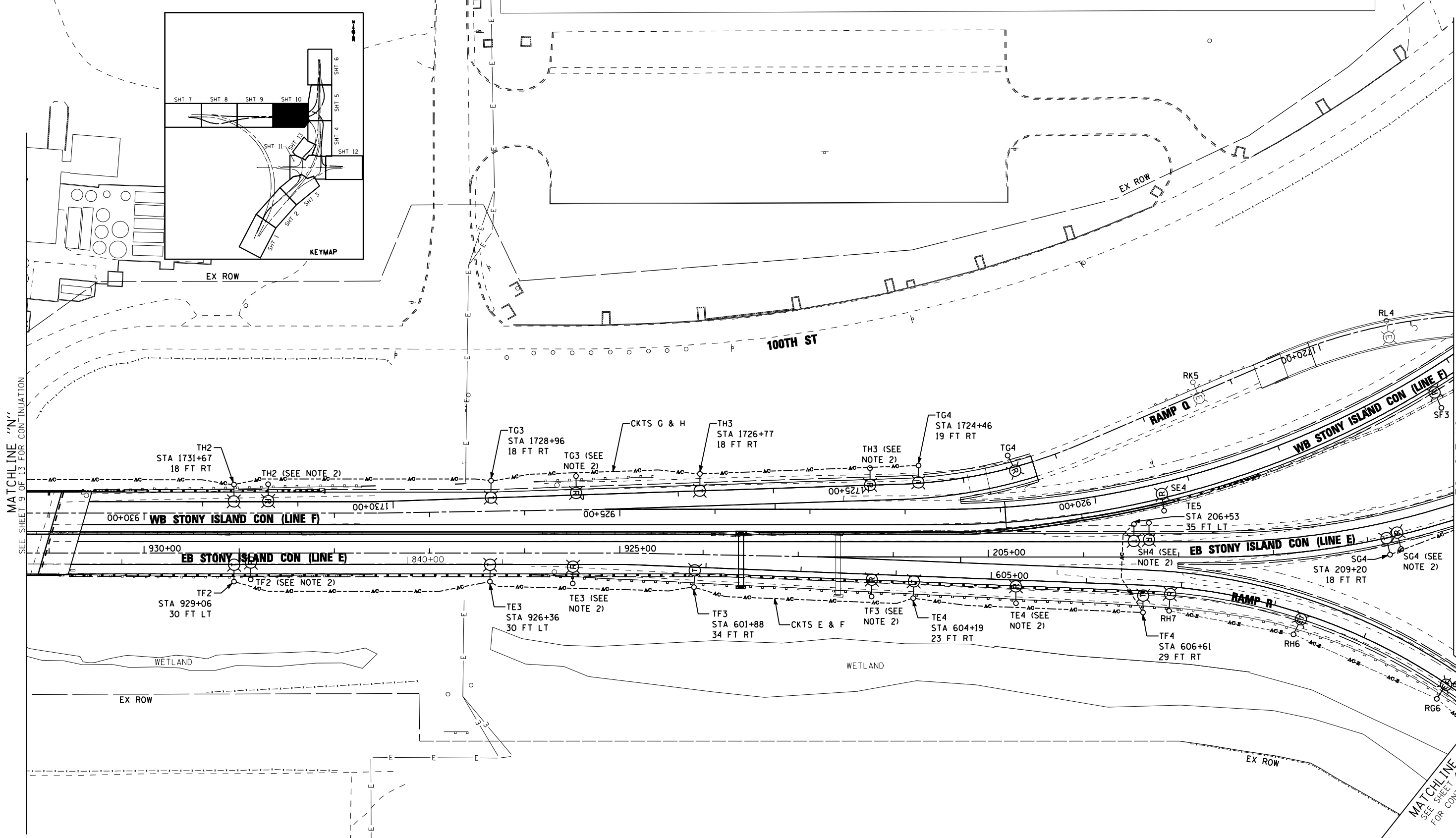
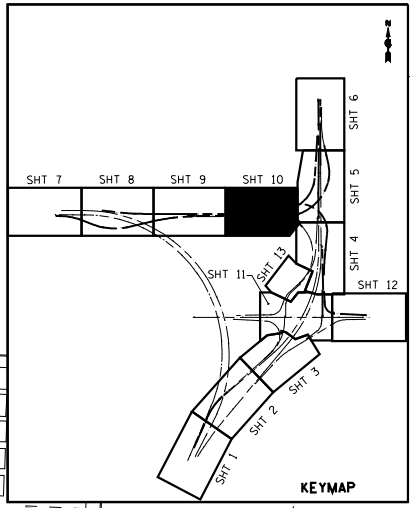
**TEMPORARY LIGHTING AND REMOVAL PLAN  
STONY ISLAND CONNECTOR**

SCALE: 1"=50'    SHEET NO. 9 OF 13 SHEETS    STA.    TO STA.

F.A.I. RTE.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	288
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60J12	

LT-10  
s:\projects\3810 stony island feeder - bba\project work\cadd sheets\160J12-int-light-18.dgn





- NOTES:**
1. TEMPORARY LIGHTING SHOWN ON THIS SHEET MUST BE ACTIVE FOR STAGE 1.
  2. LIGHT POLE TO BE REMOVED ONCE TEMPORARY LIGHTING IS OPERATIONAL.

**EJM ENGINEERING, INC.**  
 411 South Wells Street Suite 1000  
 Chicago, Illinois 60607

FILE NAME :	USER NAME : rswanson	DESIGNED : JWL	REVISED :
		DRAWN : BHH	REVISED :
	PLOT SCALE = 50.000' / IN.	CHECKED : MKR	REVISED :
	PLOT DATE = 5/3/2013	DATE : 3/29/13	REVISED :

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY LIGHTING AND REMOVAL PLAN  
 STONY ISLAND CONNECTOR**

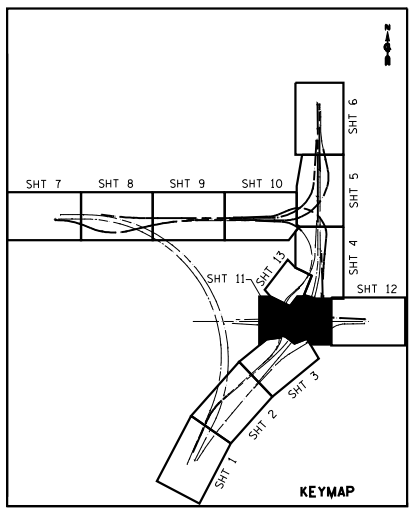
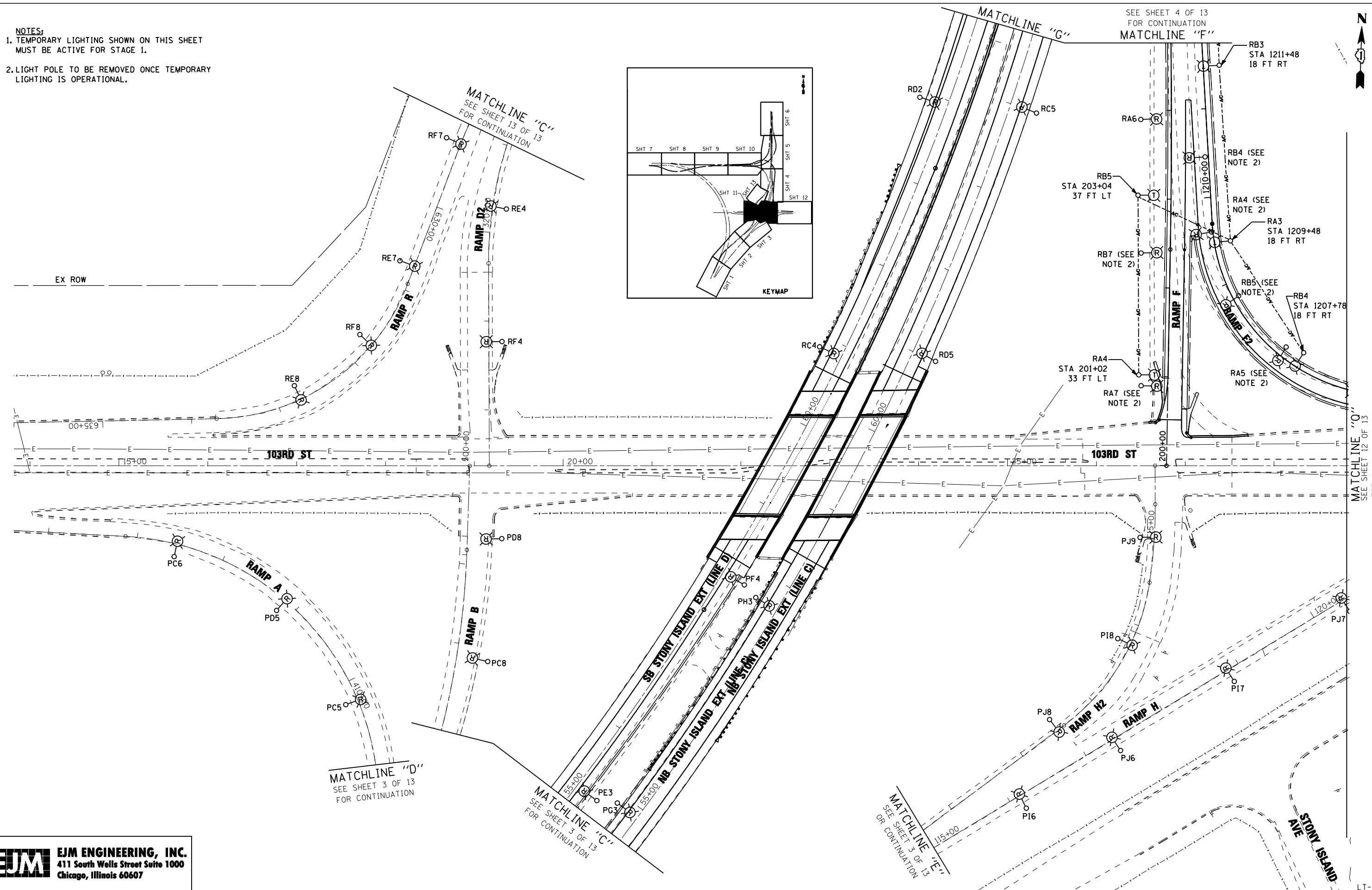
SCALE: 1"=50' SHEET NO. 10 OF 13 SHEETS STA. TO STA.

F.A.I. RTE.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	289
CONTRACT NO. 60J12			ILLINOIS FED. AID PROJECT	

LT-11  
 SEE SHEET 4 OF 13 FOR CONTINUATION

S:\Projects\3810 Stony Island Feeder - BBA\Project Work\CADD Sheets\016012-akt-light-10.dwg

- NOTES:**
- TEMPORARY LIGHTING SHOWN ON THIS SHEET MUST BE ACTIVE FOR STAGE 1.
  - LIGHT POLE TO BE REMOVED ONCE TEMPORARY LIGHTING IS OPERATIONAL.



**EJM ENGINEERING, INC.**  
 411 South Wells Street Suite 1000  
 Chicago, Illinois 60607

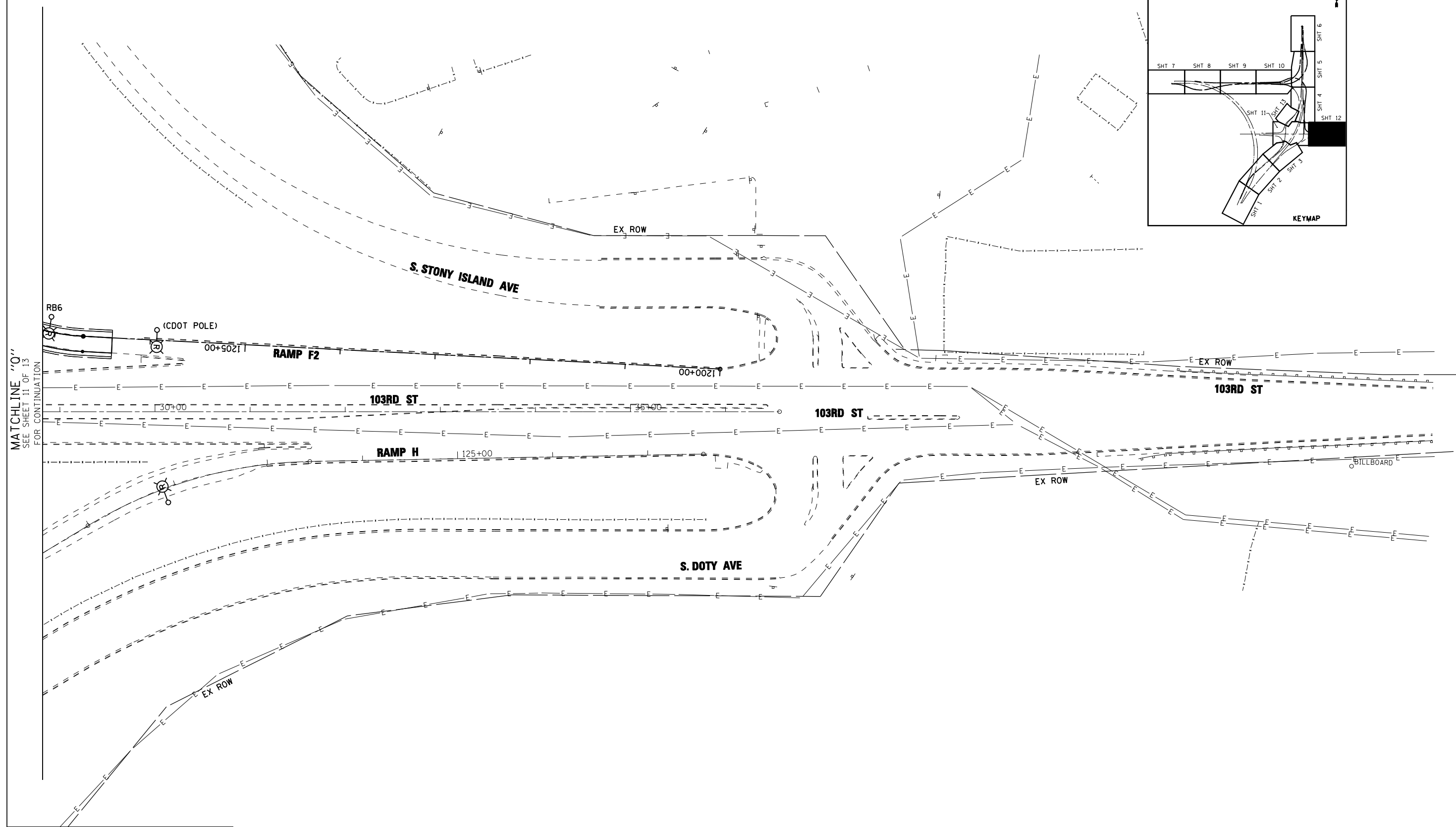
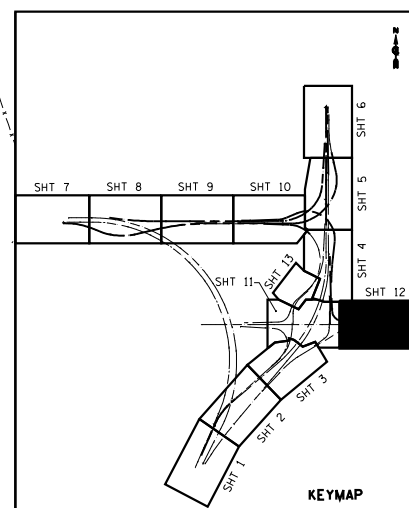
FILE NAME :	USER NAME : rswanson	DESIGNED : JWL	REVISED :
		DRAWN : BHH	REVISED :
	PLOT SCALE = 50.000' / IN.	CHECKED : MKR	REVISED :
	PLOT DATE = 5/3/2013	DATE : 3/29/13	REVISED :

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>TEMPORARY LIGHTING AND REMOVAL PLAN</b>	
<b>103RD STREET</b>	
SCALE: 1"=50'	SHEET NO. 11 OF 13 SHEETS STA. TO STA.

F.A.I. RTE. 94	SECTION 2012-059-BR	COUNTY COOK	TOTAL SHEETS 631	SHEET NO. 290
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60J12	

LT-12  
 s:\projects\103rd stony island feeder - bba\project\_work\cadd\_sheets\103rd-st-light-12.dgn



MATCHLINE "Q"  
SEE SHEET 11 OF 13  
FOR CONTINUATION

**EJM ENGINEERING, INC.**  
411 South Wells Street Suite 1000  
Chicago, Illinois 60607

FILE NAME =	USER NAME = rswanson	DESIGNED - JWL	REVISED -
		DRAWN - BHH	REVISED -
	PLOT SCALE = 50.000' / IN.	CHECKED - MKR	REVISED -
	PLOT DATE = 3/29/2013	DATE - 3/29/13	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

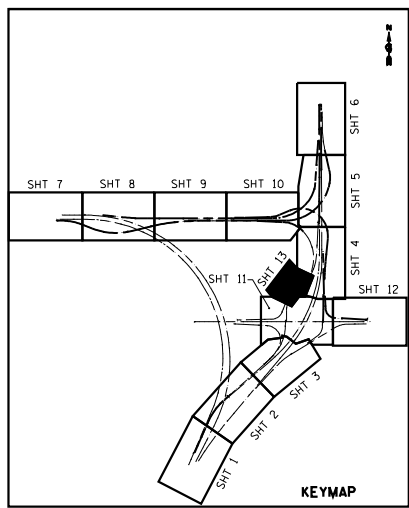
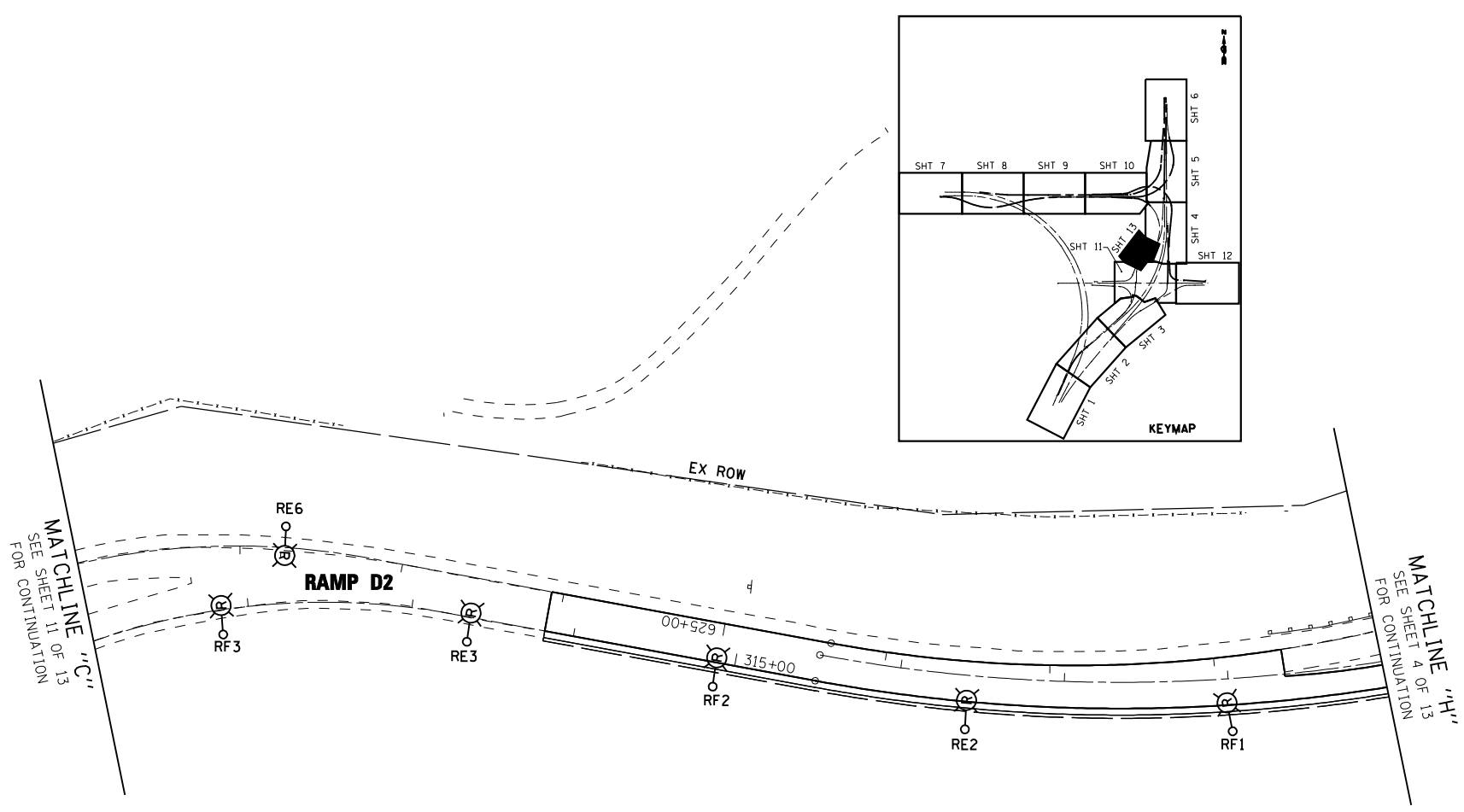
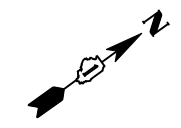
**TEMPORARY LIGHTING AND REMOVAL PLAN  
103RD STREET**

SCALE: 1"=50'    SHEET NO. 12 OF 13 SHEETS    STA.    TO STA.

F.A.I. RTE.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	291
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60J12	

LT-13

s:\projects\3810 stony island feeder - bba\project work\cadd sheets\160J12-int-light-13.dgn



**EJM** **EJM ENGINEERING, INC.**  
 411 South Wells Street Suite 1000  
 Chicago, Illinois 60607

FILE NAME :	USER NAME = rswanson	DESIGNED - JWL	REVISED -
		DRAWN - BHH	REVISED -
	PLOT SCALE = 50.000' / IN.	CHECKED - MKR	REVISED -
	PLOT DATE = 3/29/2013	DATE - 3/29/13	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

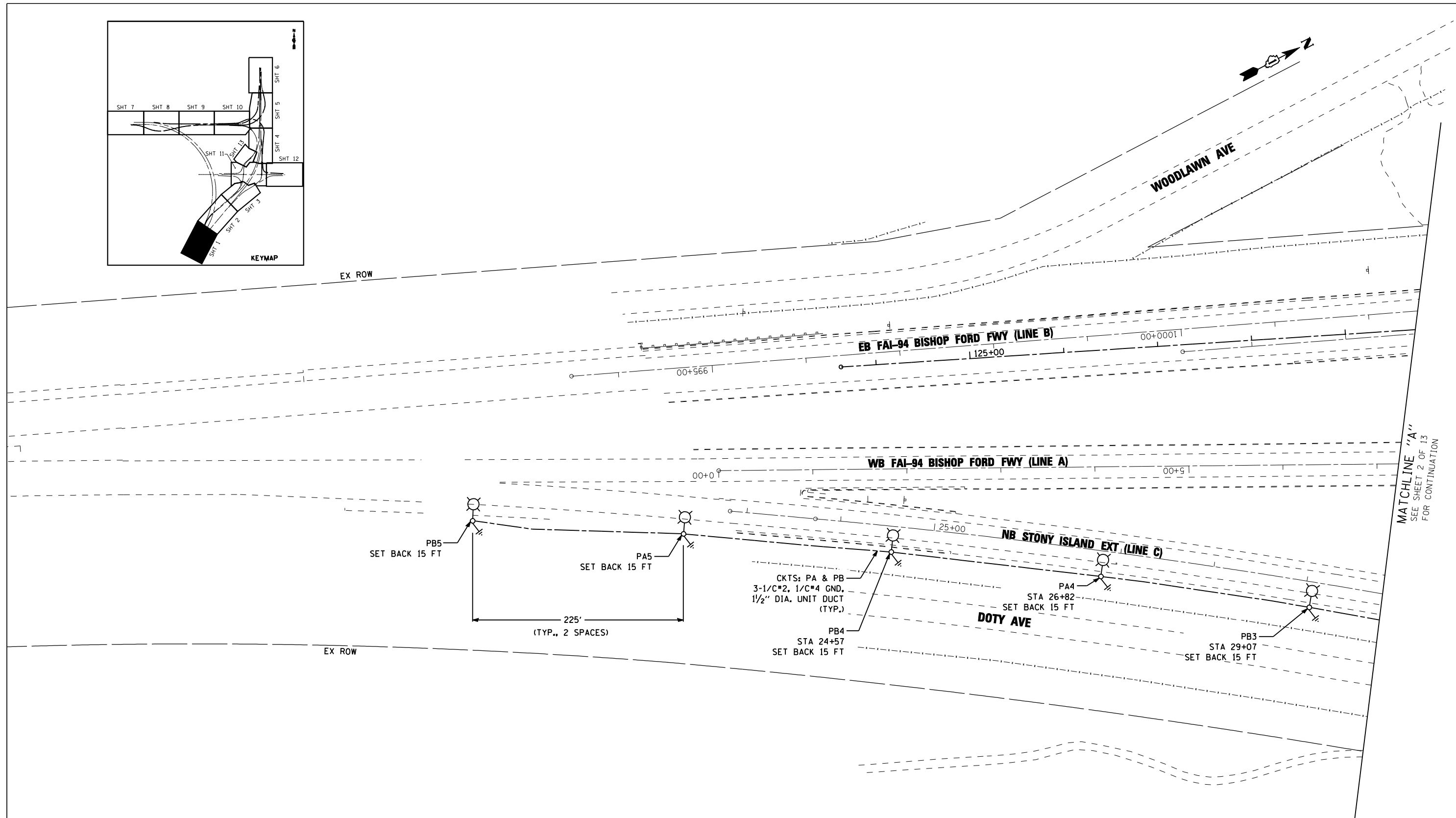
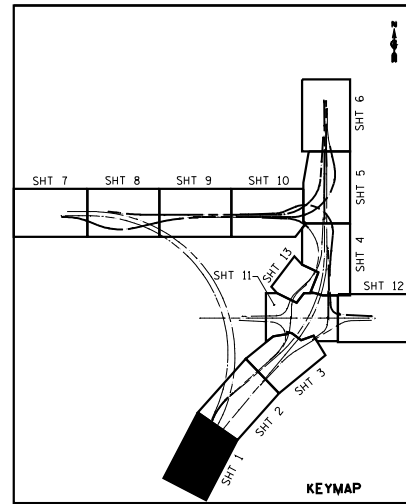
**TEMPORARY LIGHTING AND REMOVAL PLAN  
 STONY ISLAND EXTENSION**

SCALE: 1"=50' SHEET NO. 13 OF 13 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	292
CONTRACT NO. 60J12			ILLINOIS FED. AID PROJECT	

LT-14

s:\projects\3810 stony island feeder - bba\project work\cadd sheets\160J12-int-light-14.dgn



MATCHLINE "A"  
SEE SHEET 2 OF 13  
FOR CONTINUATION

**EJM** **EJM ENGINEERING, INC.**  
411 South Wells Street Suite 1000  
Chicago, Illinois 60607

FILE NAME :	USER NAME : rswanson	DESIGNED : JWL	REVISED :
		DRAWN : BHH	REVISED :
	PLOT SCALE = 50.000' / IN.	CHECKED : MKR	REVISED :
	PLOT DATE = 3/29/2013	DATE : 3/29/13	REVISED :

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

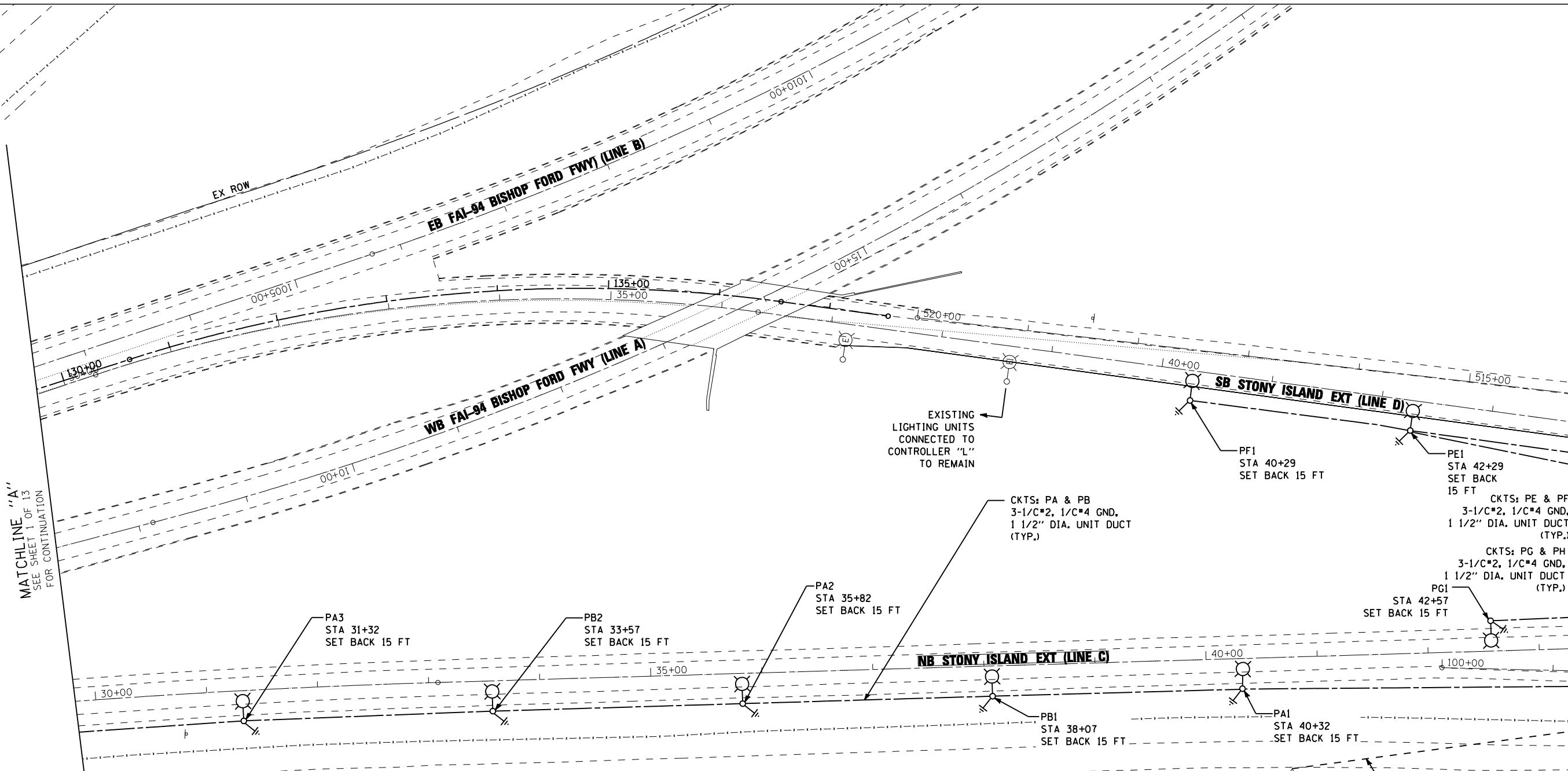
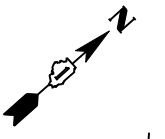
**PROPOSED LIGHTING PLAN  
STONY ISLAND EXTENSION**

SCALE: 1"=50' SHEET NO. 1 OF 13 SHEETS STA. TO STA.

F.A.I. RTE.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	293
CONTRACT NO. 60J12			ILLINOIS FED. AID PROJECT	

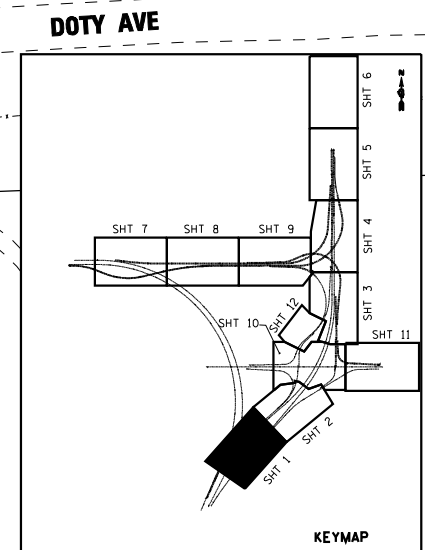
LT-15

c:\projects\3010 stony island feeder - bba\project work\cadd sheets\160J12-int-light-15.dgn



MATCHLINE "A"  
SEE SHEET 1 OF 13  
FOR CONTINUATION

MATCHLINE "B"  
SEE SHEET 3 OF 13  
FOR CONTINUATION



**EJM ENGINEERING, INC.**  
411 South Wells Street Suite 1000  
Chicago, Illinois 60607

FILE NAME :	USER NAME : rswanson	DESIGNED : JWL	REVISED :
		DRAWN : BHH	REVISED :
	PLOT SCALE = 50.000' / IN.	CHECKED : MKR	REVISED :
	PLOT DATE = 3/29/2013	DATE : 3/29/13	REVISED :

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN  
STONY ISLAND EXTENSION**

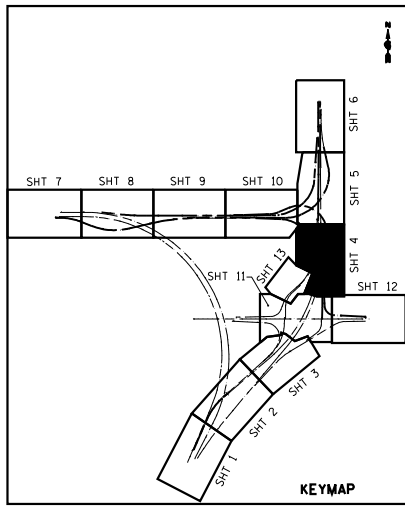
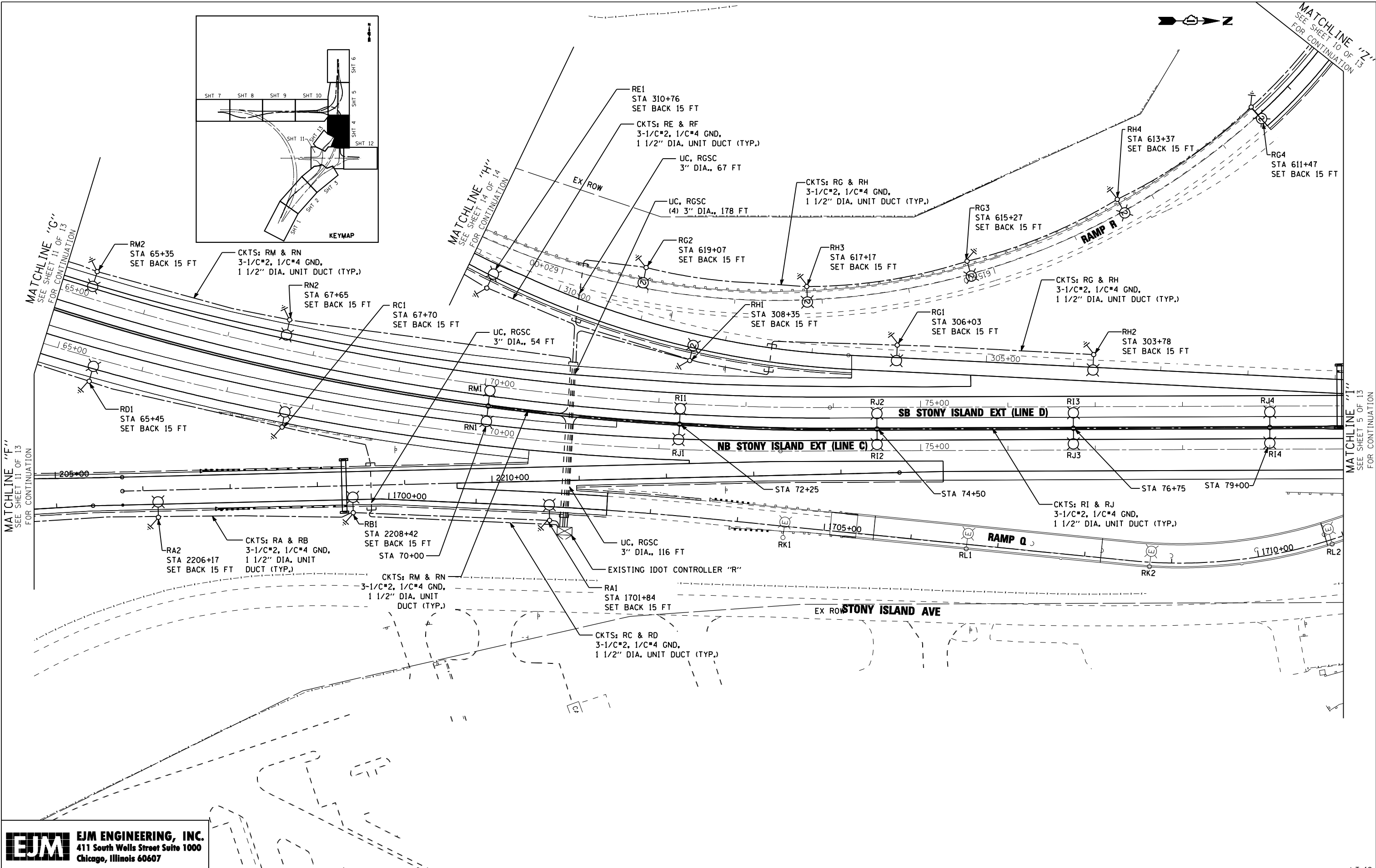
SCALE: 1"=50' SHEET NO. 2 OF 13 SHEETS STA. TO STA.

F.A.I. RTE.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	294
CONTRACT NO. 60J12			ILLINOIS FED. AID PROJECT	

LT-16

s:\projects\3810 stony island feeder - bba\project work\cadd sheets\160J12-int-light-16.dgn





**EJM ENGINEERING, INC.**  
 411 South Wells Street Suite 1000  
 Chicago, Illinois 60607

FILE NAME :	USER NAME = rswanson	DESIGNED - JWJ	REVISED -
		DRAWN - BHH	REVISED -
	PLOT SCALE = 50.000' / IN.	CHECKED - MKR	REVISED -
	PLOT DATE = 5/3/2013	DATE - 3/29/13	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN  
 STONY ISLAND EXTENSION**

SCALE: 1"=50'    SHEET NO. 4 OF 13 SHEETS    STA.    TO STA.

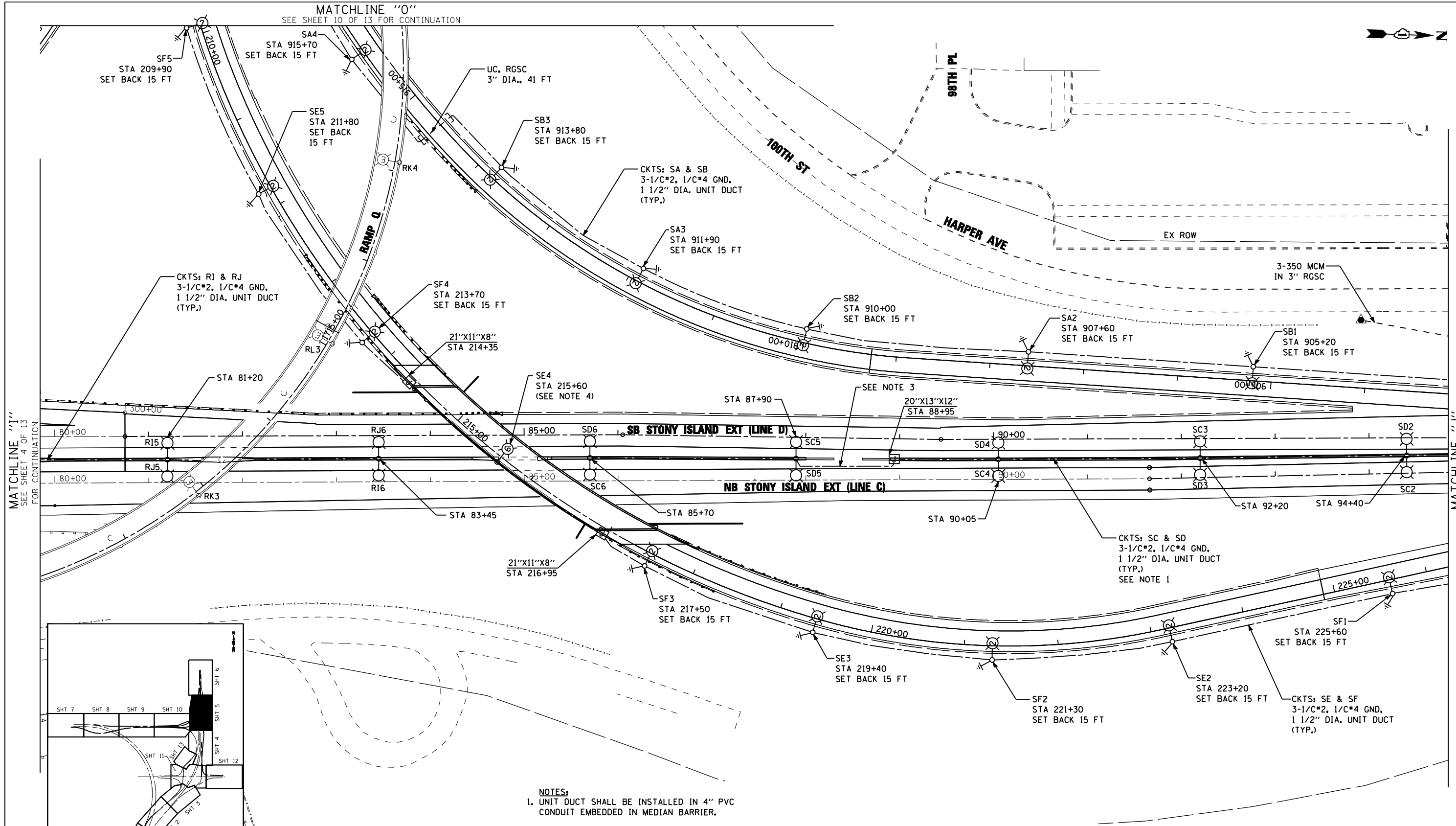
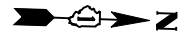
F.A.I. RTE.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	296
CONTRACT NO. 60J12			ILLINOIS FED. AID PROJECT	

LT-18

s:\projects\3810 stony island feeder - bba\project work\cadd sheets\160J12-int-light-18.dgn

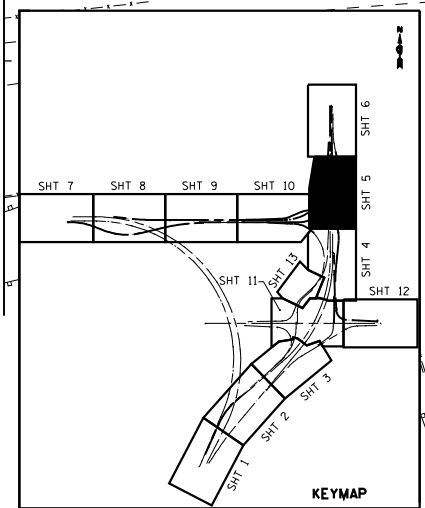


MATCHLINE "O"  
SEE SHEET 10 OF 13 FOR CONTINUATION



MATCHLINE "I"  
SEE SHEET 4 OF 13  
FOR CONTINUATION

MATCHLINE "J"  
SEE SHEET 6 OF 13  
FOR CONTINUATION



- NOTES:**
1. UNIT DUCT SHALL BE INSTALLED IN 4" PVC CONDUIT EMBEDDED IN MEDIAN BARRIER.
  2. ALL JUNCTION BOXES SHOWN ON THIS SHEET ARE NON-METALLIC, EMBEDDED IN STRUCTURE.
  3. INSTALL UNIT DUCT IN 3" RGSC UNDER SHOULDER PAVEMENT AT MEDIAN TURNAROUND.
  4. LUMINAIRE TO BE TYPE M-C-II.

**EJM ENGINEERING, INC.**  
411 South Wells Street Suite 1000  
Chicago, Illinois 60607

FILE NAME =	USER NAME = rswanson	DESIGNED - JWJ	REVISED -
		DRAWN - BHH	REVISED -
		CHECKED - MKR	REVISED -
		DATE - 3/29/13	REVISED -
	PLOT SCALE = 50.000' / IN.		
	PLOT DATE = 5/3/2013		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

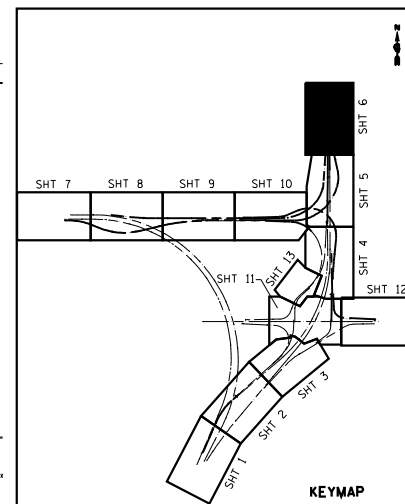
**PROPOSED LIGHTING PLAN  
STONY ISLAND EXTENSION**

SCALE: 1"=50' SHEET NO. 5 OF 13 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	297
CONTRACT NO. 60J12			ILLINOIS FED. AID PROJECT	

LT-19

S:\Projects\3810 Stony Island Feeder - BBA\Project - Work\CADD Sheets\1168012-alk-light-19.dgn



97TH ST

EX ROW

HARPER AVE

CKTS: SA & SB  
3-1/C\*2, 1/C\*4 GND,  
1 1/2" DIA. UNIT DUCT  
(TYP.)

3-350 MCM  
IN 3" RGSC

SA1  
STA 902+80  
SET BACK 15 FT

CKTS: SC & SD  
3-1/C\*2, 1/C\*4 GND,  
1 1/2" DIA. UNIT DUCT  
(TYP.)

PROPOSED LIGHTING CONTROLLER "S"  
STA 901+96  
SET BACK 24 FT

UC, RGSC  
(2) 3" DIA., 59 FT

CKTS: SG & SH  
3-1/C\*2, 1/C\*4 GND,  
1 1/2" DIA. UNIT DUCT  
(TYP.)  
SEE NOTE 1

RELOCATED DYNAMIC  
MESSAGE SIGN

EX ROW

STA 98+80

STA 101+00

STA 103+15

STA 105+20

SB STONY ISLAND EXT (LINE D)

NB STONY ISLAND EXT (LINE C)

STONY ISLAND EXT

STONY ISLAND EXT

20" X 13" X 12"  
STA. 97+86

UC, RGSC  
3" DIA., 135 FT

EX ROW

CKTS: SE & SF  
3-1/C\*2, 1/C\*4 GND,  
1 1/2" DIA. UNIT DUCT  
(TYP.)

SE1  
STA 869+07  
SET BACK 15 FT

EX ROW

EX ROW

EX ROW

NORFOLK SOUTHERN RR

NORFOLK SOUTHERN

NORFOLK SOUTHERN

NOTES:  
1. UNIT DUCT SHALL BE INSTALLED IN 4" PVC  
CONDUIT EMBEDDED IN MEDIAN BARRIER.

MATCHLINE "J"  
SEE SHEET 5 OF 13  
FOR CONTINUATION

**EJM ENGINEERING, INC.**  
411 South Wells Street Suite 1000  
Chicago, Illinois 60607

FILE NAME :	USER NAME : rswanson	DESIGNED : JWL	REVISED :
		DRAWN : BHH	REVISED :
	PLOT SCALE = 50.000' / IN.	CHECKED : MKR	REVISED :
	PLOT DATE = 5/3/2013	DATE : 3/29/13	REVISED :

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

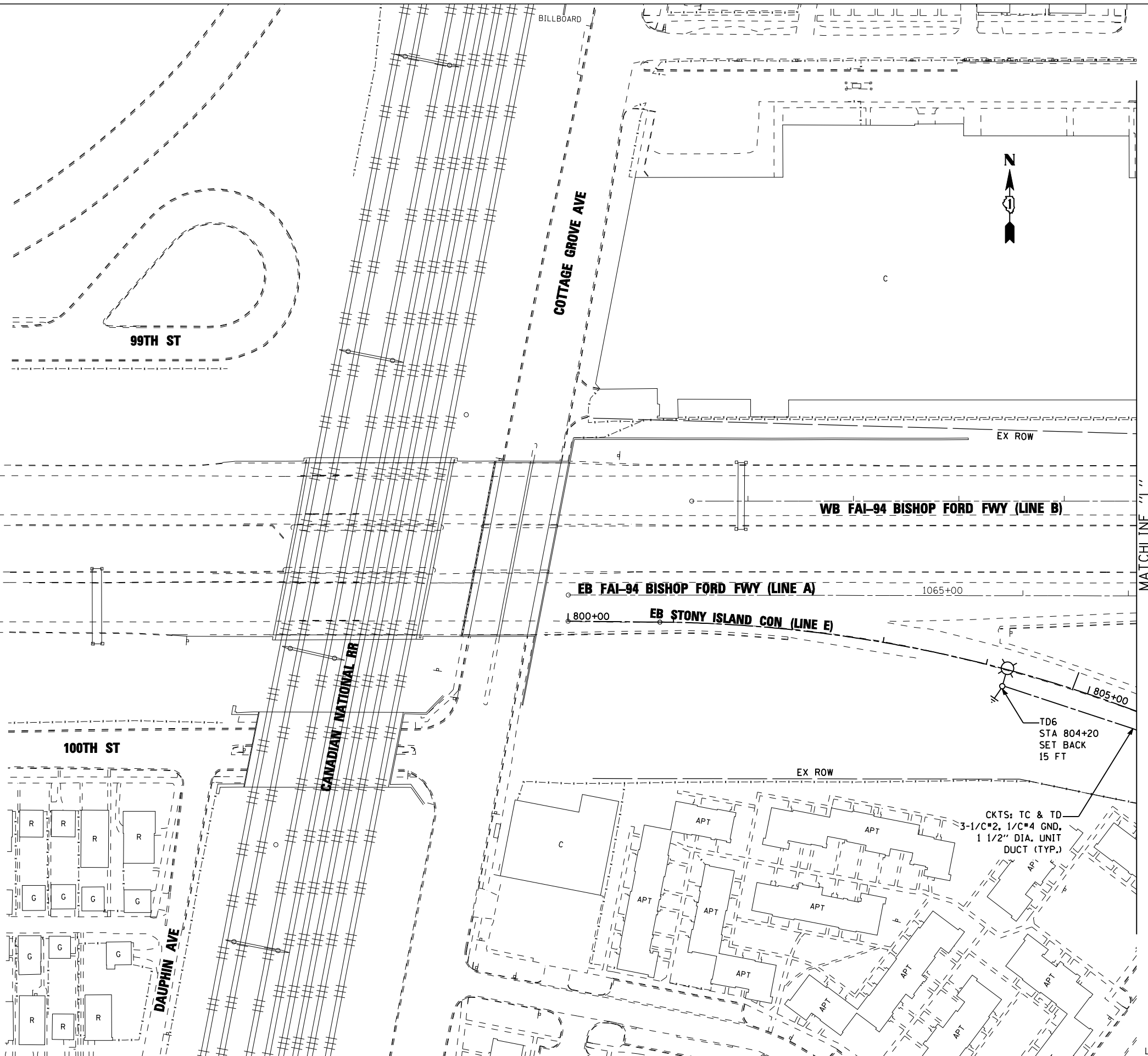
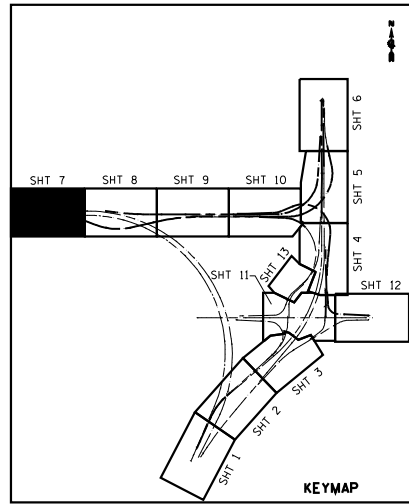
PROPOSED LIGHTING PLAN  
STONY ISLAND EXTENSION

SCALE: 1"=50' SHEET NO. 6 OF 13 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	298
CONTRACT NO. 60J12			ILLINOIS FED. AID PROJECT	

LT-20

s:\projects\3810 stony island feeder - bba\project work\cadd sheets\160J12-int-light-28.dgn



MATCHLINE 1'  
SEE SHEET 8 OF 13  
FOR CONTINUATION

**EJM** **EJM ENGINEERING, INC.**  
411 South Wells Street Suite 1000  
Chicago, Illinois 60607

FILE NAME :	USER NAME : rswanson	DESIGNED : JWL	REVISED :
		DRAWN : BHH	REVISED :
	PLOT SCALE = 50.000' / IN.	CHECKED : MKR	REVISED :
	PLOT DATE = 3/29/2013	DATE : 3/29/13	REVISED :

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN  
STONY ISLAND CONNECTOR**

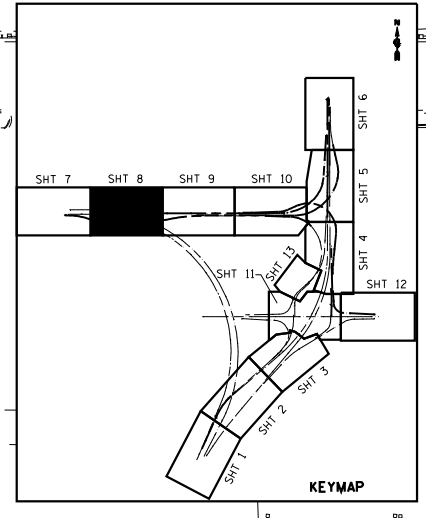
SCALE: 1"=50' SHEET NO. 7 OF 13 SHEETS STA. TO STA.

F.A.I. RTE.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2012-059-BR	COOK	631	299
CONTRACT NO. 60J12			ILLINOIS FED. AID PROJECT	

LT-21

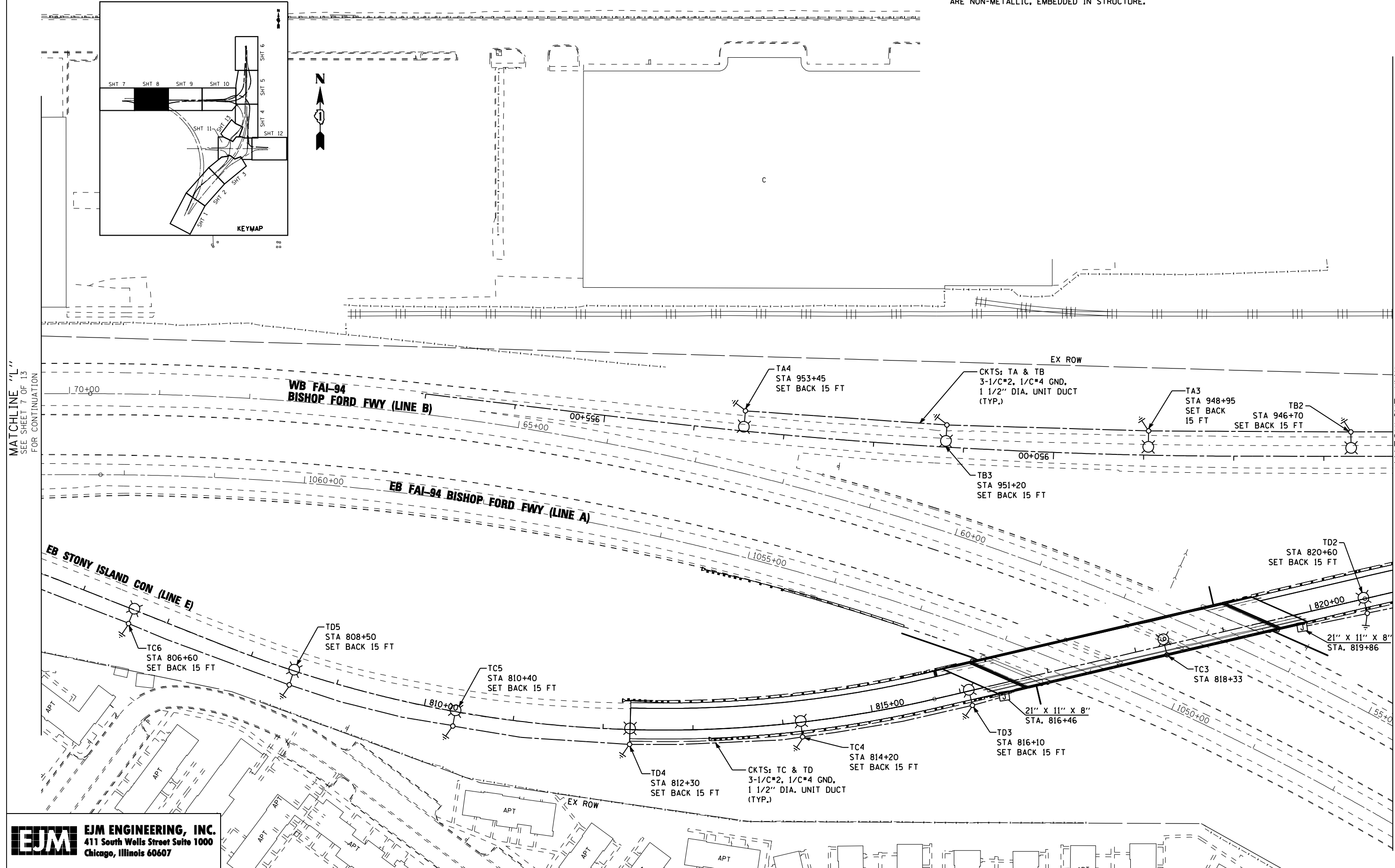
s:\projects\3810 stony island feeder - bba\project work\cadd sheets\06012-int-light-21.dgn

NOTES:  
 1. ALL JUNCTION BOXES SHOWN ON THIS SHEET ARE NON-METALLIC, EMBEDDED IN STRUCTURE.



MATCHLINE "L"  
 SEE SHEET 7 OF 13  
 FOR CONTINUATION

MATCHLINE "M"  
 SEE SHEET 9 OF 13  
 FOR CONTINUATION



**EJM ENGINEERING, INC.**  
 411 South Wells Street Suite 1000  
 Chicago, Illinois 60607

FILE NAME =	USER NAME = rswanson	DESIGNED - JWJ	REVISED -
		DRAWN - BHH	REVISED -
	PLOT SCALE = 50.000' / IN.	CHECKED - MKR	REVISED -
	PLOT DATE = 3/29/2013	DATE - 3/29/13	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING PLAN  
 STONY ISLAND CONNECTOR**

SCALE: 1"=50' SHEET NO. 8 OF 13 SHEETS STA. TO STA.

F.A.I. RTE. 94	SECTION 2012-059-BR	COUNTY COOK	TOTAL SHEETS 631	SHEET NO. 300
CONTRACT NO. 60J12			ILLINOIS FED. AID PROJECT	

LT-22

s:\projects\3010 stony island feeder - bba\project work\cadd sheets\160J12-int-light-22.dgn