CONTRACT NO. 78058

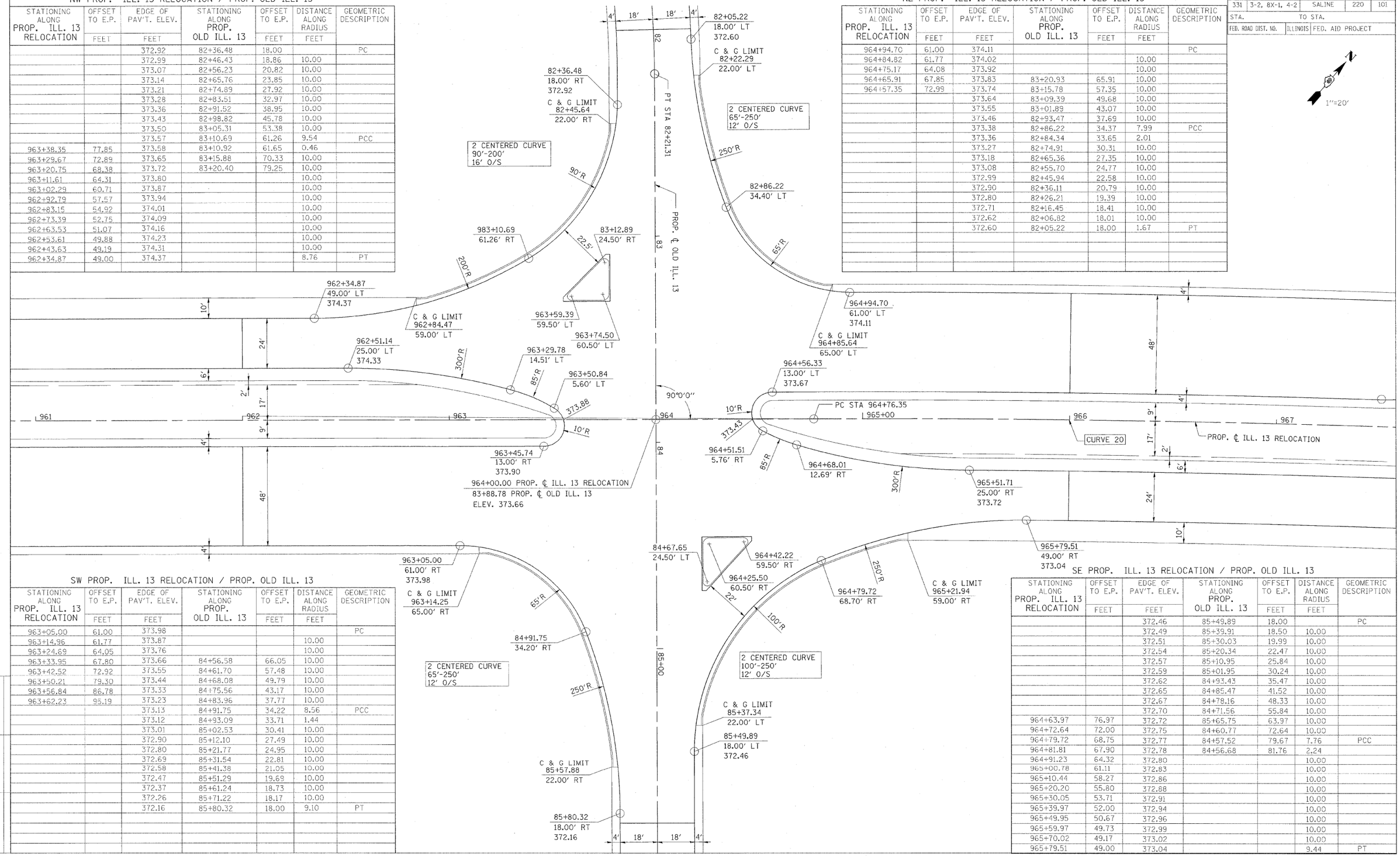
FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, 4-2	SALINE	220	101
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

NW PROP. ILL. 13 RELOCATION / PROP. OLD ILL. 13

STATIONING ALONG PROP. ILL. 13 RELOCATION	OFFSET TO E.P.	EDGE OF PAV'T. ELEV.	STATIONING ALONG PROP. OLD ILL. 13	OFFSET TO E.P.	DISTANCE ALONG RADIUS	GEOMETRIC DESCRIPTION
	FEET	FEET		FEET	FEET	
		372.92	82+36.48	18.00		PC
		372.99	82+46.43	18.86	10.00	
		373.07	82+56.23	20.82	10.00	
		373.14	82+65.76	23.85	10.00	
		373.21	82+74.89	27.92	10.00	
		373.28	82+83.51	32.97	10.00	
		373.36	82+91.52	38.95	10.00	
		373.43	82+98.82	45.78	10.00	
		373.50	83+05.31	53.38	10.00	
		373.57	83+10.69	61.26	9.54	PCC
963+38.35	77.85	373.58	83+10.92	61.65	0.46	
963+29.67	72.89	373.65	83+15.88	70.33	10.00	
963+20.75	68.38	373.72	83+20.40	79.25	10.00	
963+11.61	64.31	373.80			10.00	
963+02.29	60.71	373.87			10.00	
962+92.79	57.57	373.94			10.00	
962+83.15	54.92	374.01			10.00	
962+73.39	52.75	374.09			10.00	
962+63.53	51.07	374.16			10.00	
962+53.61	49.88	374.23			10.00	
962+43.63	49.19	374.31			10.00	
962+34.87	49.00	374.37			8.76	PT

NE PROP. ILL. 13 RELOCATION / PROP. OLD ILL. 13

STATIONING ALONG PROP. ILL. 13 RELOCATION	OFFSET TO E.P.	EDGE OF PAV'T. ELEV.	STATIONING ALONG PROP. OLD ILL. 13	OFFSET TO E.P.	DISTANCE ALONG RADIUS	GEOMETRIC DESCRIPTION
	FEET	FEET		FEET	FEET	
964+94.70	61.00	374.11				PC
964+84.82	61.77	374.02			10.00	
964+75.17	64.08	373.92			10.00	
964+65.91	67.85	373.83	83+20.93	65.91	10.00	
964+57.35	72.99	373.74	83+15.78	57.35	10.00	
		373.64	83+09.39	49.68	10.00	
		373.55	83+01.89	43.07	10.00	
		373.46	82+93.47	37.69	10.00	
		373.38	82+86.22	34.37	7.99	PCC
		373.36	82+84.34	33.65	2.01	
		373.27	82+74.91	30.31	10.00	
		373.18	82+65.36	27.35	10.00	
		373.08	82+55.70	24.77	10.00	
		372.99	82+45.94	22.58	10.00	
		372.90	82+36.11	20.79	10.00	
		372.80	82+26.21	19.39	10.00	
		372.71	82+16.45	18.41	10.00	
		372.62	82+06.82	18.01	10.00	
		372.60	82+05.22	18.00	1.67	PT



SW PROP. ILL. 13 RELOCATION / PROP. OLD ILL. 13

STATIONING ALONG PROP. ILL. 13 RELOCATION	OFFSET TO E.P.	EDGE OF PAV'T. ELEV.	STATIONING ALONG PROP. OLD ILL. 13	OFFSET TO E.P.	DISTANCE ALONG RADIUS	GEOMETRIC DESCRIPTION
	FEET	FEET		FEET	FEET	
963+05.00	61.00	373.98				PC
963+14.96	61.77	373.87			10.00	
963+24.69	64.05	373.76			10.00	
963+33.95	67.80	373.66	84+56.58	66.05	10.00	
963+42.52	72.92	373.55	84+61.70	57.48	10.00	
963+50.21	79.30	373.44	84+68.08	49.79	10.00	
963+56.84	86.78	373.33	84+75.56	43.17	10.00	
963+62.23	95.19	373.23	84+83.96	37.77	10.00	
		373.13	84+91.75	34.22	8.56	PCC
		373.12	84+93.09	33.71	1.44	
		373.01	85+02.53	30.41	10.00	
		372.90	85+12.10	27.49	10.00	
		372.80	85+21.77	24.95	10.00	
		372.69	85+31.54	22.81	10.00	
		372.58	85+41.38	21.05	10.00	
		372.47	85+51.29	19.69	10.00	
		372.37	85+61.24	18.73	10.00	
		372.26	85+71.22	18.17	10.00	
		372.16	85+80.32	18.00	9.10	PT

SE PROP. ILL. 13 RELOCATION / PROP. OLD ILL. 13

STATIONING ALONG PROP. ILL. 13 RELOCATION	OFFSET TO E.P.	EDGE OF PAV'T. ELEV.	STATIONING ALONG PROP. OLD ILL. 13	OFFSET TO E.P.	DISTANCE ALONG RADIUS	GEOMETRIC DESCRIPTION
	FEET	FEET		FEET	FEET	
		372.46	85+49.89	18.00		PC
		372.49	85+39.91	18.50	10.00	
		372.51	85+30.03	19.99	10.00	
		372.54	85+20.34	22.47	10.00	
		372.57	85+10.95	25.84	10.00	
		372.59	85+01.95	30.24	10.00	
		372.62	84+93.43	35.47	10.00	
		372.65	84+85.47	41.52	10.00	
		372.67	84+78.16	48.33	10.00	
		372.70	84+71.56	55.84	10.00	
964+63.97	76.97	372.72	85+65.75	63.97	10.00	
964+72.64	72.00	372.75	84+60.77	72.64	10.00	
964+79.72	68.75	372.77	84+57.52	79.67	7.76	PCC
964+81.81	67.90	372.78	84+56.68	81.76	2.24	
964+91.23	64.32	372.80			10.00	
965+00.78	61.11	372.83			10.00	
965+10.44	58.27	372.86			10.00	
965+20.20	55.80	372.88			10.00	
965+30.05	53.71	372.91			10.00	
965+39.97	52.00	372.94			10.00	
965+49.95	50.67	372.96			10.00	
965+59.97	49.73	372.99			10.00	
965+70.02	49.17	373.02			10.00	
965+79.51	49.00	373.04			9.44	PT

CONTRACT NO. 78058

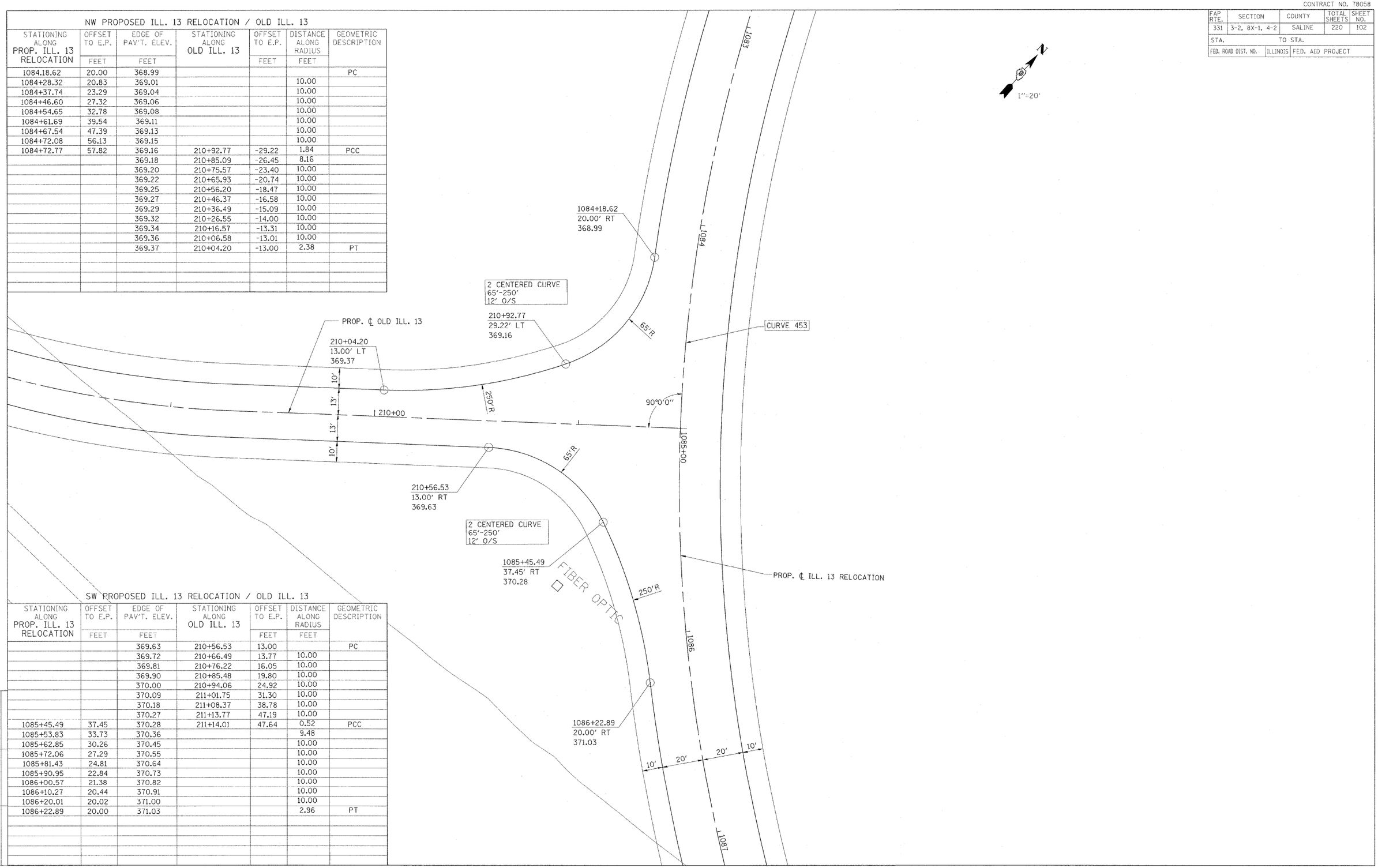
FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, 4-2	SALINE	220	102
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

NW PROPOSED ILL. 13 RELOCATION / OLD ILL. 13

STATIONING ALONG PROP. ILL. 13 RELOCATION	OFFSET TO E.P. FEET	EDGE OF PAV'T. ELEV. FEET	STATIONING ALONG OLD ILL. 13	OFFSET TO E.P. FEET	DISTANCE ALONG RADIUS FEET	GEOMETRIC DESCRIPTION
1084.18.62	20.00	368.99				PC
1084+28.32	20.83	369.01			10.00	
1084+37.74	23.29	369.04			10.00	
1084+46.60	27.32	369.06			10.00	
1084+54.65	32.78	369.08			10.00	
1084+61.69	39.54	369.11			10.00	
1084+67.54	47.39	369.13			10.00	
1084+72.08	56.13	369.15			10.00	
1084+72.77	57.82	369.16	210+92.77	-29.22	1.84	PCC
		369.18	210+85.09	-26.45	8.16	
		369.20	210+75.57	-23.40	10.00	
		369.22	210+65.93	-20.74	10.00	
		369.25	210+56.20	-18.47	10.00	
		369.27	210+46.37	-16.58	10.00	
		369.29	210+36.49	-15.09	10.00	
		369.32	210+26.55	-14.00	10.00	
		369.34	210+16.57	-13.31	10.00	
		369.36	210+06.58	-13.01	10.00	
		369.37	210+04.20	-13.00	2.38	PT

SW PROPOSED ILL. 13 RELOCATION / OLD ILL. 13

STATIONING ALONG PROP. ILL. 13 RELOCATION	OFFSET TO E.P. FEET	EDGE OF PAV'T. ELEV. FEET	STATIONING ALONG OLD ILL. 13	OFFSET TO E.P. FEET	DISTANCE ALONG RADIUS FEET	GEOMETRIC DESCRIPTION
		369.63	210+56.53	13.00		PC
		369.72	210+66.49	13.77	10.00	
		369.81	210+76.22	16.05	10.00	
		369.90	210+85.48	19.80	10.00	
		370.00	210+94.06	24.92	10.00	
		370.09	211+01.75	31.30	10.00	
		370.18	211+08.37	38.78	10.00	
		370.27	211+13.77	47.19	10.00	
1085+45.49	37.45	370.28	211+14.01	47.64	0.52	PCC
1085+53.83	33.73	370.36			9.48	
1085+62.85	30.26	370.45			10.00	
1085+72.06	27.29	370.55			10.00	
1085+81.43	24.81	370.64			10.00	
1085+90.95	22.84	370.73			10.00	
1086+00.57	21.38	370.82			10.00	
1086+10.27	20.44	370.91			10.00	
1086+20.01	20.02	371.00			10.00	
1086+22.89	20.00	371.03			2.96	PT



M:/PROJECTS/PRO.3526/ROADWAY/COMMON/
Active Files
Reference Files
Geom01XRel13-02.dgn

CHECKED BY
DRAWN BY
PLOT DATE 2/5/2009
PLOT SCALE H19.9598

CONTRACT NO. 78058

FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, 4-2	SALINE	220	103
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

N

0 20 40
SCALE: 1"= 20'

PROP. ℄ ILL. 13 RELOCATION

1078

1079

1080+00

1078+04.20
98.98' RT

357.85

358.15

359.75

360.00

13'

15'

40'

35'

20'

40 LF BEAM GUARD
2 EACH TERMINAL, TYPE 2

WALNUT ST.
(ROAD CLOSED)

SAN

W

4"

10" CMP

12" CMP

END SECTION 18"

PIPE CULVERT 18"
CLASS A, TYPE 2
USFL = 357.20
DSFL = 357.00
-.05% SLOPE

1078+43.03
121.66' RT

1079+29.05
110.69' RT

40 LF BEAM GUARD
2 EACH TERMINAL, TYPE 2

1079+60.86
93.78' RT

M:/PROJECTS/PROJ5526/ROADWAY/COMMON/
Active Plan Reference Files:
Comm8Plus1S-1.dgn

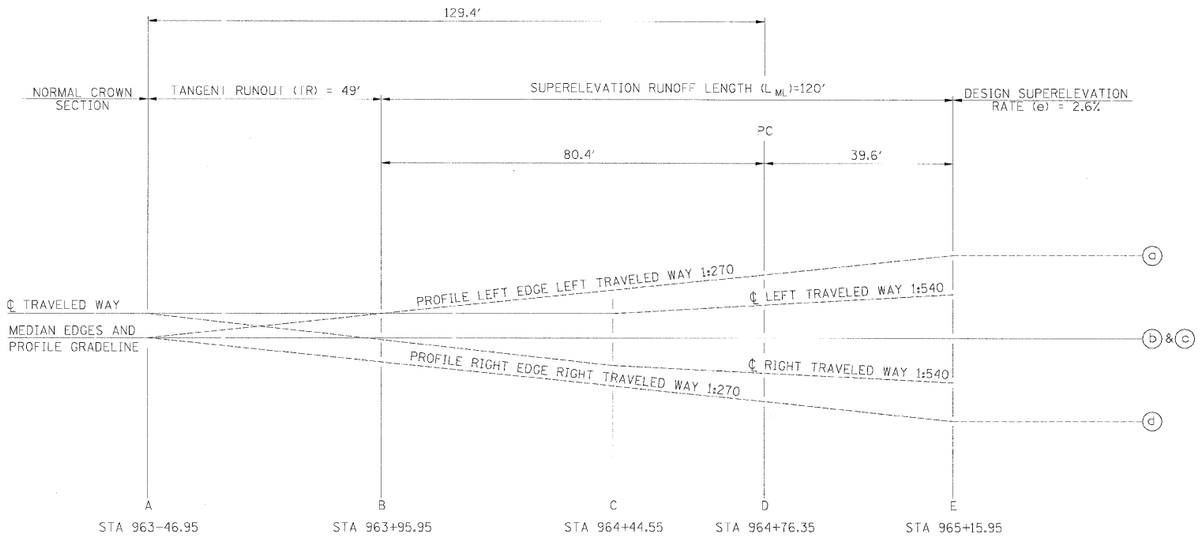
PLOT DATE: 2/5/2009
PLOT SCALE: 1:19.9998

CHECKED BY
DRAWN BY

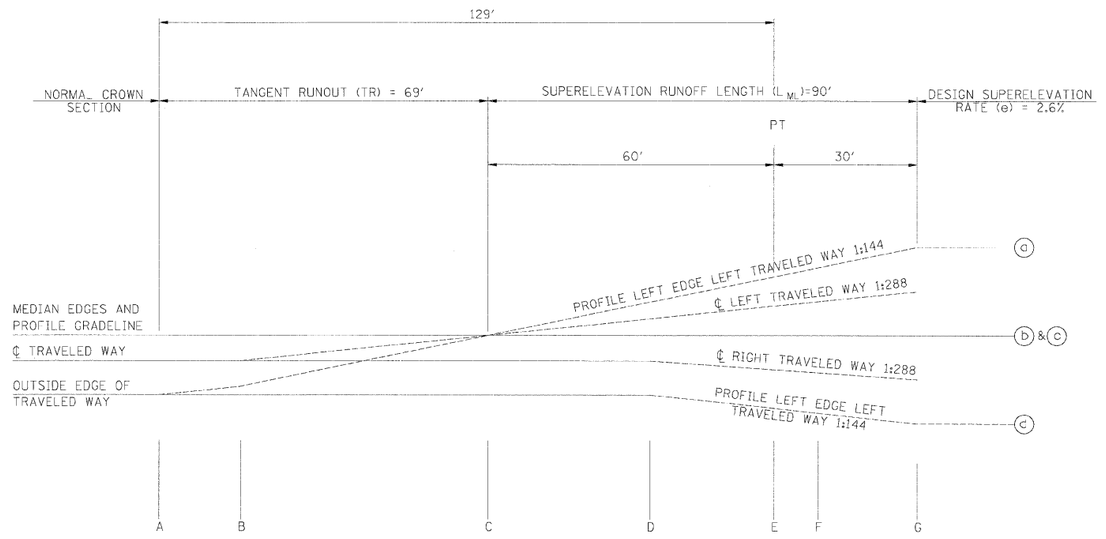
GEOMETRICS – WALNUT ST/ILL. 13 RELOCATION

CONTRACT NO. 78058

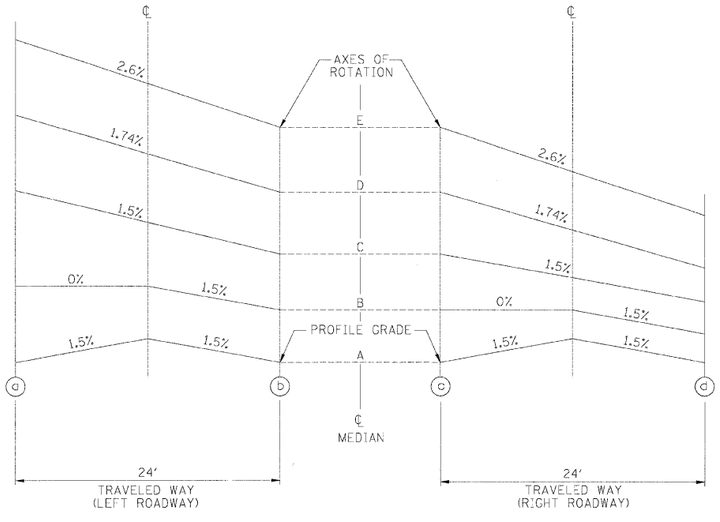
FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, 4-2	SALINE	220	104
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



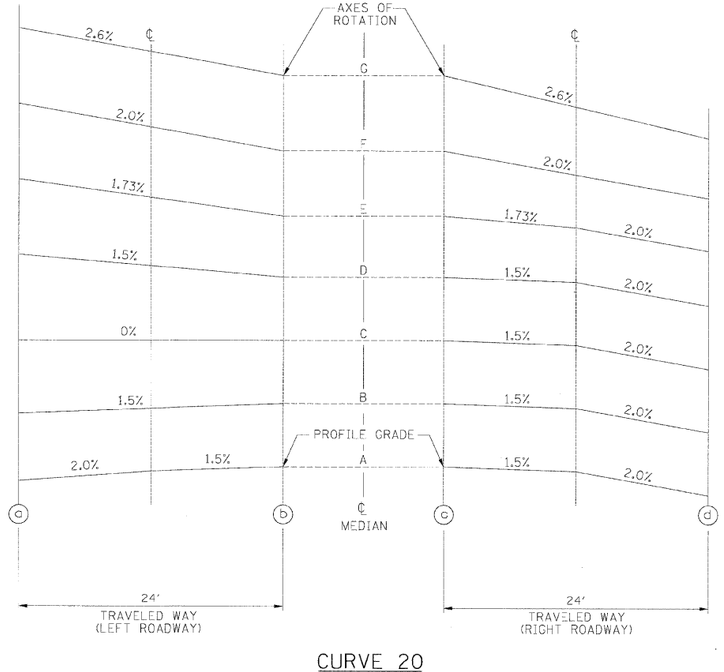
NOTE:
ROUND ALL EDGE BREAKPOINTS IN FIELD.



NOTE:
ROUND ALL EDGE BREAKPOINTS IN FIELD.



CURVE 20
TRANSITION IN



CURVE 20
TRANSITION OUT

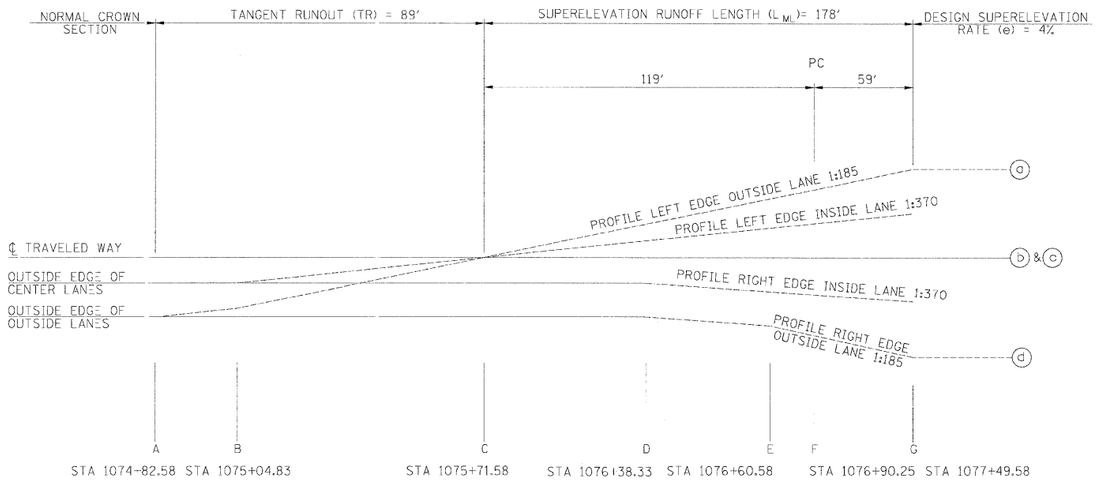
M:/PROJECTS/PROJ35%/ROADWAY/COMMON/
Active Project
Superel3526-16.dgn
References Files:

CHECKED BY: BJW PLOT DATE: 2/2/2009
DRAWN BY: DMS PLOT SCALE: 1:49.999

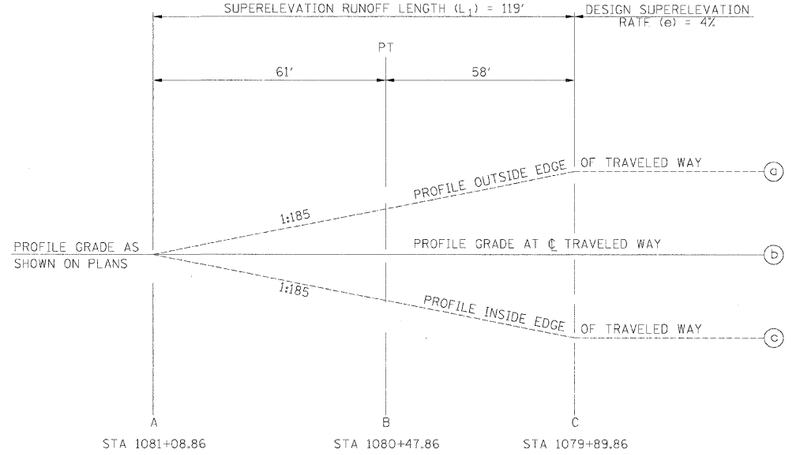
SUPERELEVATION TRANSITION DETAIL – ILL 13 RELOCATION

CONTRACT NO. 78058

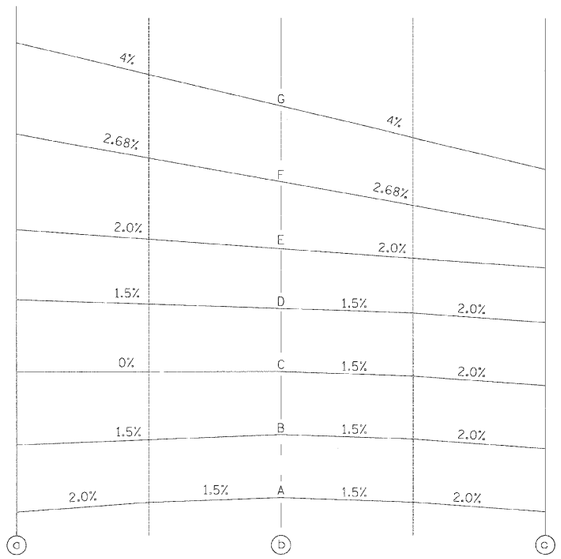
FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, 4-2	SALINE	220	105
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



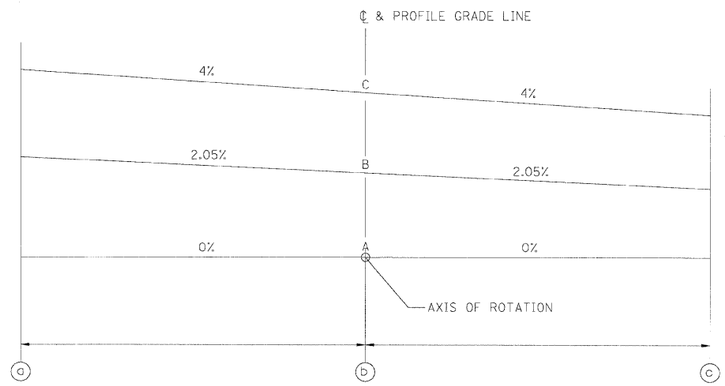
NOTE:
ROUND ALL EDGE BREAKPOINTS IN FIELD.



NOTE:
ROUND ALL EDGE BREAKPOINTS IN FIELD.



CURVE 452
TRANSITION IN



CURVE 452
TRANSITION OUT

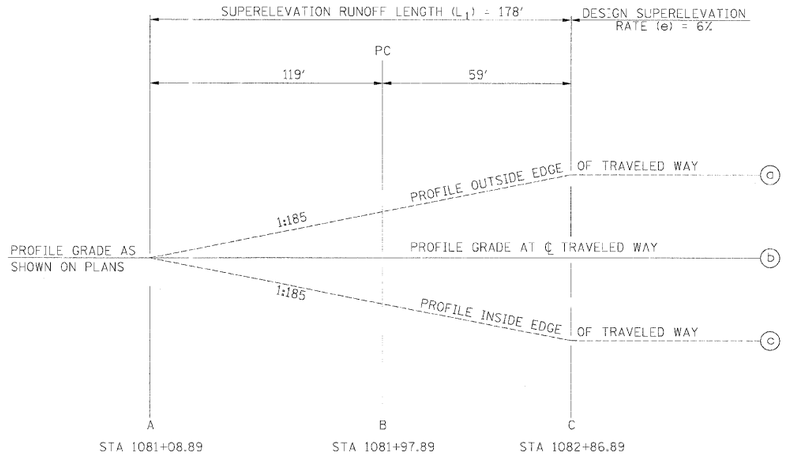
SUPERELEVATION TRANSITION DETAIL – ILL 13 RELOCATION

M:/PROJECTS/PRO.3526/ROADWAY/COMMON/
Active Files:
Reference Files:
Sub# 02.3526cb.dgn

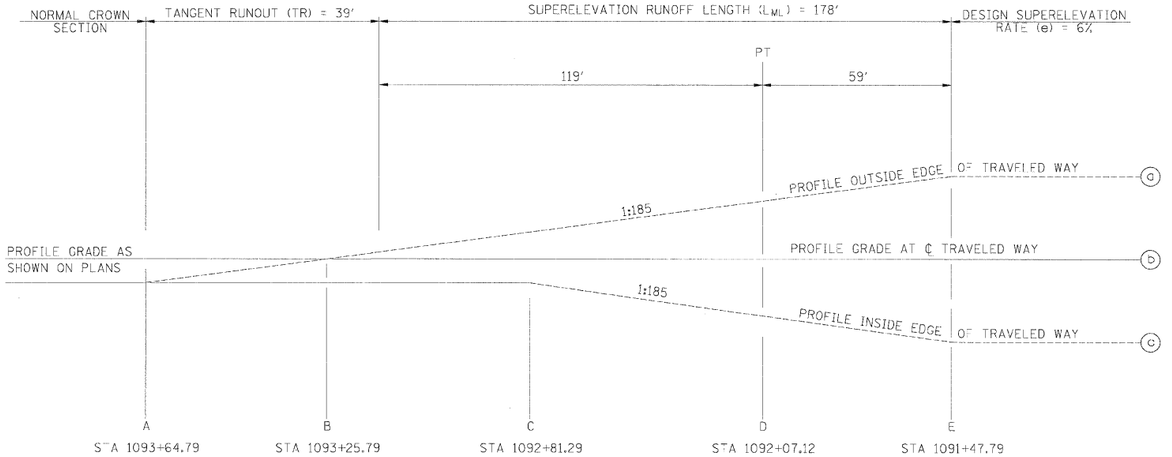
CHECKED BY: BJW PLOT DATE: 2/2/2009
DRAWN BY: DMS PLOT SCALE: 1:49.399

CONTRACT NO. 78058

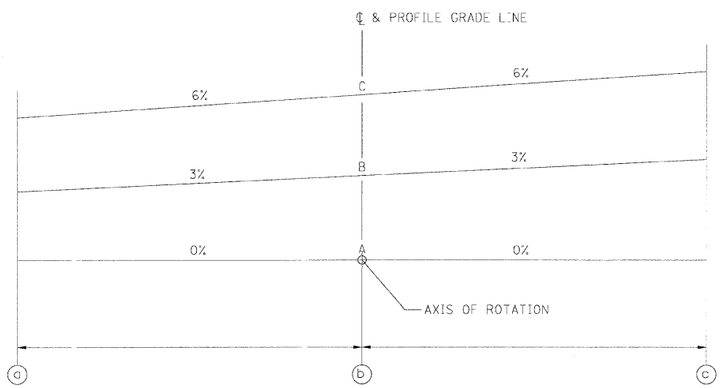
FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, 4-2	SALINE	220	106
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



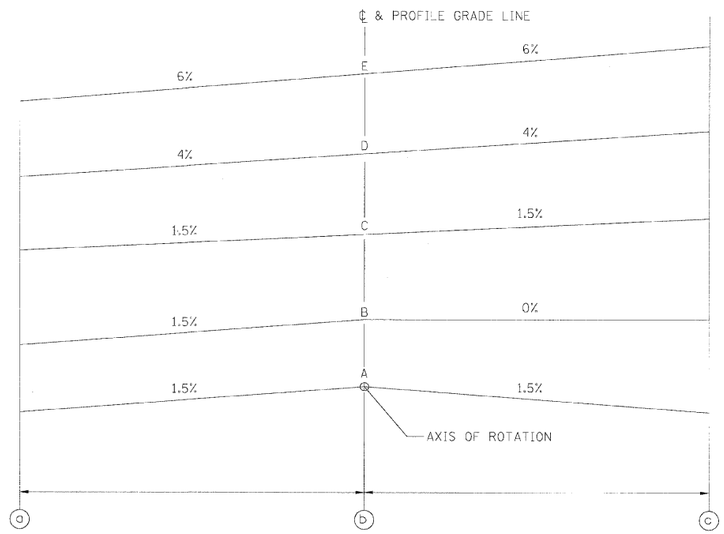
NOTE:
ROUND ALL EDGE BREAKPOINTS IN FIELD.



NOTE:
ROUND ALL EDGE BREAKPOINTS IN FIELD.



CURVE 453
TRANSITION IN



CURVE 453
TRANSITION OUT

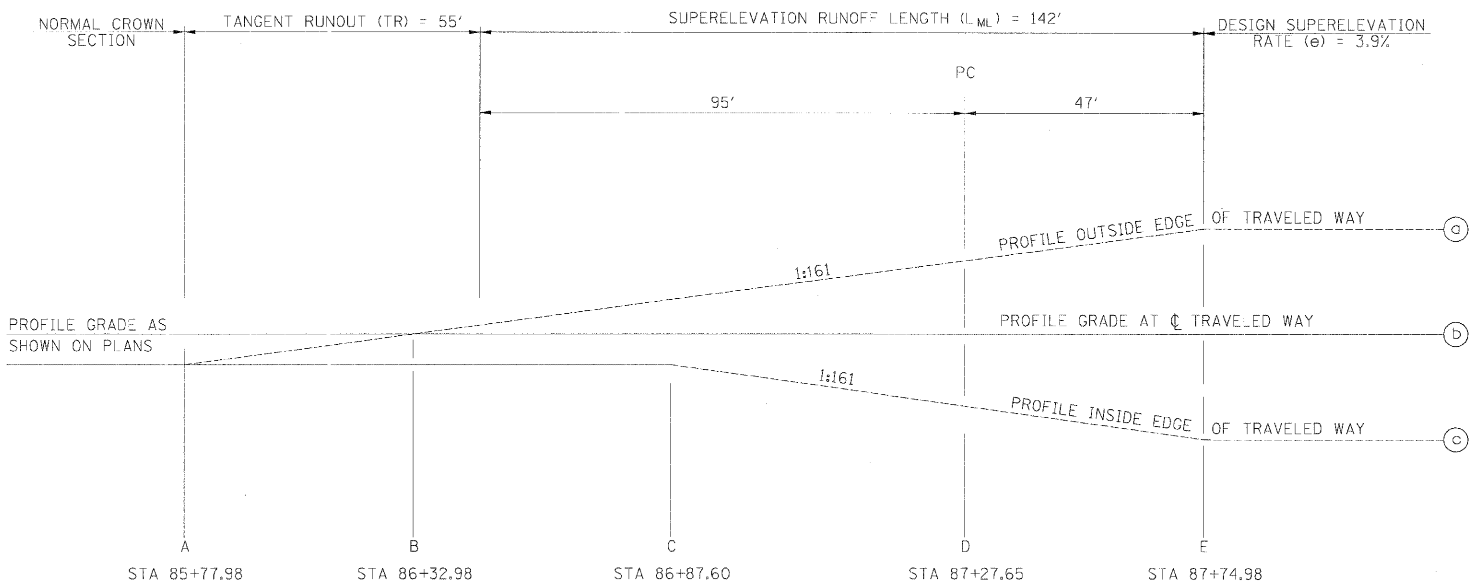
SUPERELEVATION TRANSITION DETAIL – ILL 13 RELOCATION

CHECKED BY BJW PLOT DATE 2/2/2009
DRAWN BY DMS PLOT SCALE 1149.999

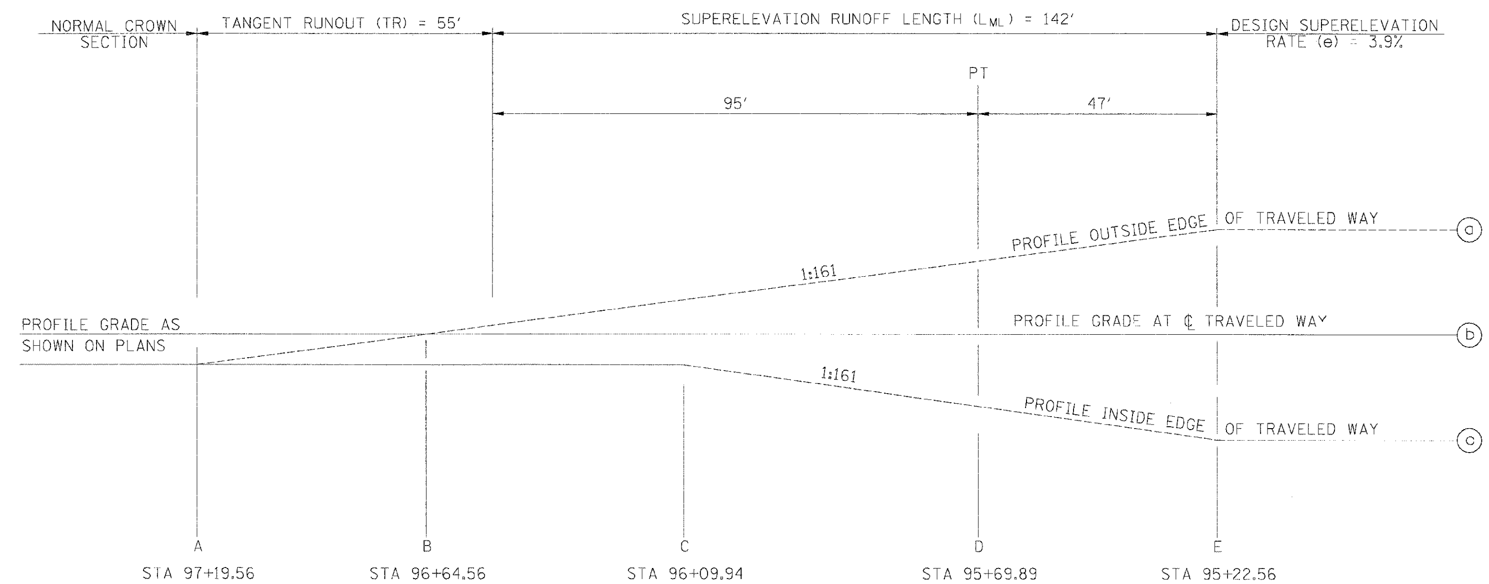
M:/PROJECTS/TR03526/ROADWAY/COMMON/
Active Files:
Reference Files:
SUP_TR3_35266.dgn

CONTRACT NO. 78058

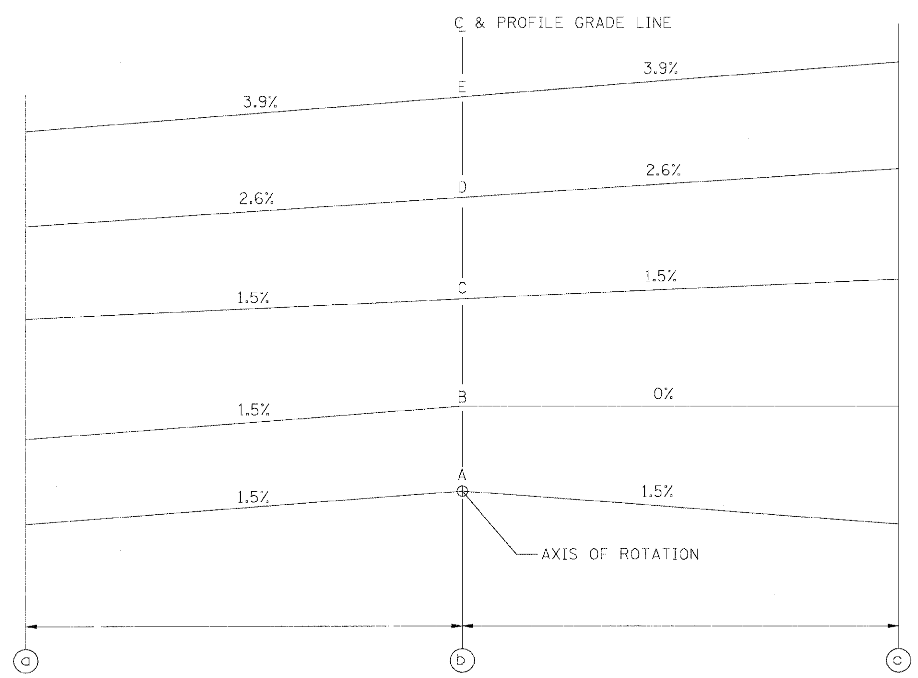
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, BX-1, 4-2	SALINE	220	107
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



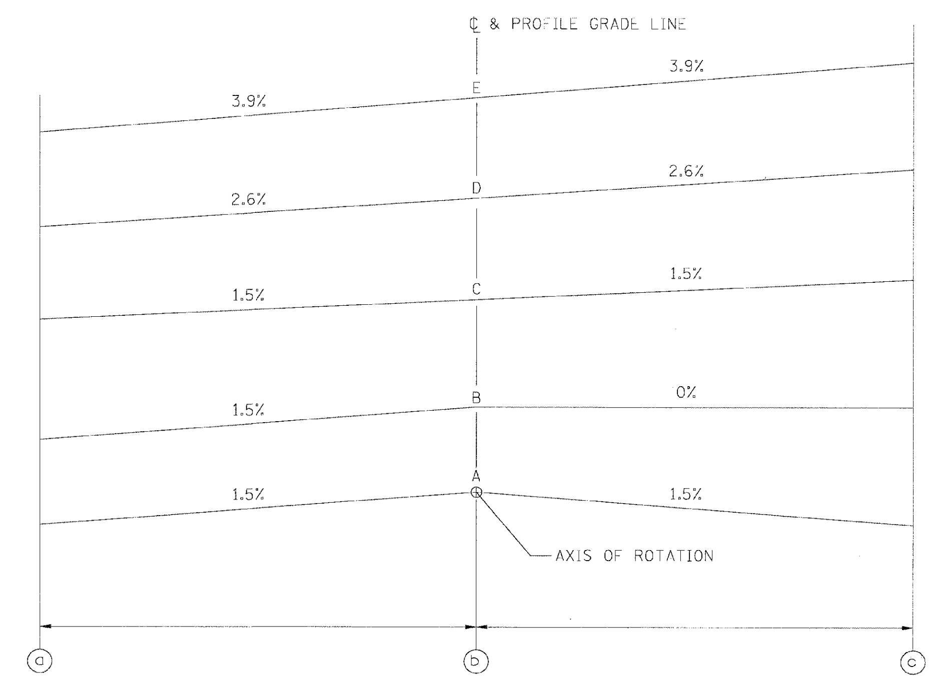
NOTE:
ROUND ALL EDGE BREAKPOINTS IN FIELD.



NOTE:
ROUND ALL EDGE BREAKPOINTS IN FIELD.



CURVE 2401
TRANSITION IN



CURVE 2401
TRANSITION OUT

CHECKED BY BJW PLOT DATE 2/2/2009
DRAWN BY DMS PLOT SCALE 1:149.999

M:/PROJECTS/PROJ3526/ROADWAY/COMMON/
Active File: Super04_3526c6.dgn
Reference Files:

SUPERELEVATION TRANSITION DETAIL - OLD ILL 13

CONTRACT NO. 78058

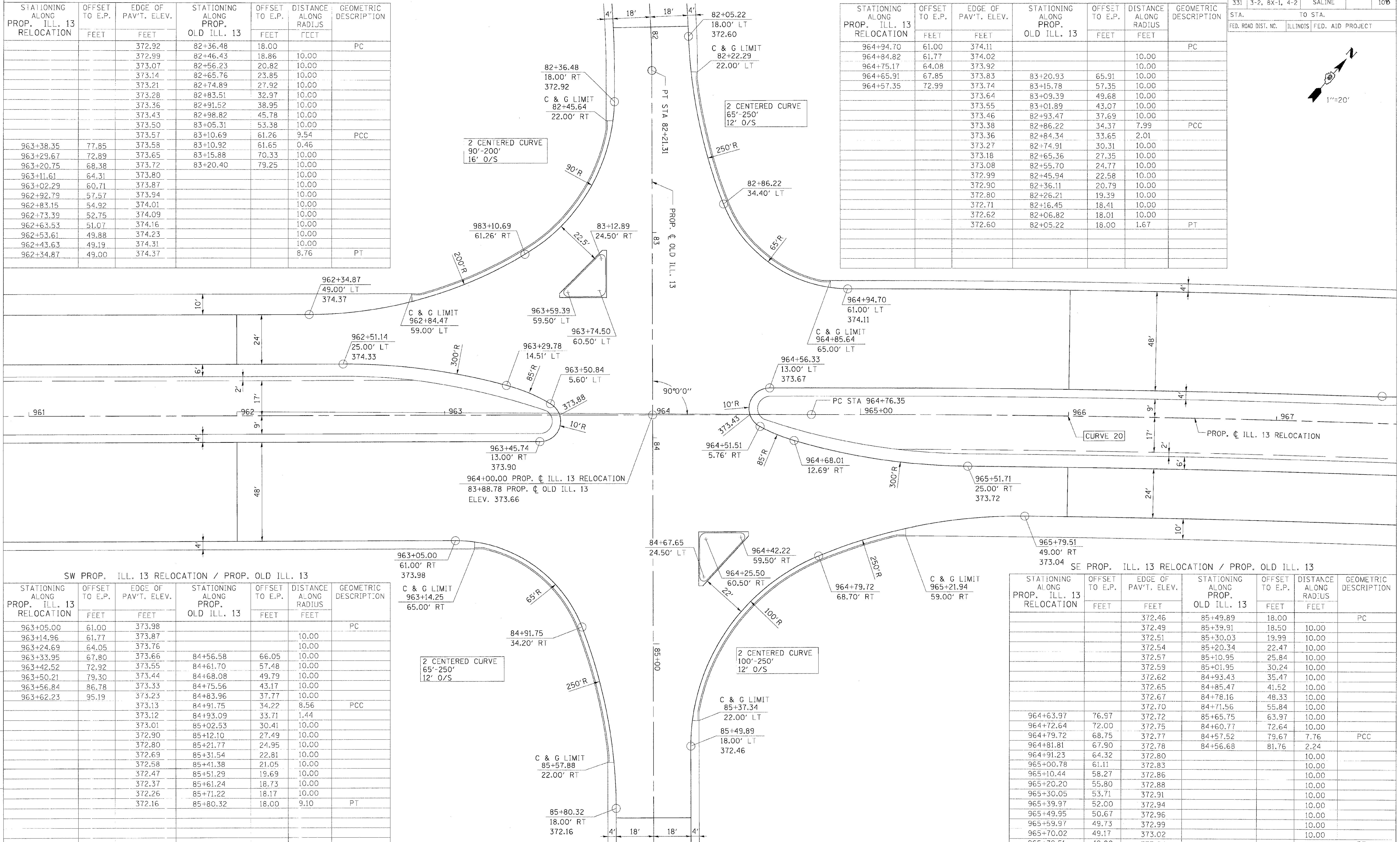
FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, BX-1, 4-2	SALINE		108
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

NW PROP. ILL. 13 RELOCATION / PROP. OLD ILL. 13

STATIONING ALONG PROP. ILL. 13 RELOCATION	OFFSET TO E.P. FEET	EDGE OF PAV'T. ELEV. FEET	STATIONING ALONG PROP. OLD ILL. 13	OFFSET TO E.P. FEET	DISTANCE ALONG RADIUS FEET	GEOMETRIC DESCRIPTION
		372.92	82+36.48	18.00		PC
		372.99	82+46.43	18.86	10.00	
		373.07	82+56.23	20.82	10.00	
		373.14	82+65.76	23.85	10.00	
		373.21	82+74.89	27.92	10.00	
		373.28	82+83.51	32.97	10.00	
		373.36	82+91.52	38.95	10.00	
		373.43	82+98.82	45.78	10.00	
		373.50	83+05.31	53.38	10.00	
		373.57	83+10.69	61.26	9.54	PCC
963+38.35	77.85	373.58	83+10.92	61.65	0.46	
963+29.67	72.89	373.65	83+15.88	70.33	10.00	
963+20.75	68.38	373.72	83+20.40	79.25	10.00	
963+11.61	64.31	373.80			10.00	
963+02.29	60.71	373.87			10.00	
962+92.79	57.57	373.94			10.00	
962+83.15	54.92	374.01			10.00	
962+73.39	52.75	374.09			10.00	
962+63.53	51.07	374.16			10.00	
962+53.61	49.88	374.23			10.00	
962+43.63	49.19	374.31			10.00	
962+34.87	49.00	374.37			8.76	PT

NE PROP. ILL. 13 RELOCATION / PROP. OLD ILL. 13

STATIONING ALONG PROP. ILL. 13 RELOCATION	OFFSET TO E.P. FEET	EDGE OF PAV'T. ELEV. FEET	STATIONING ALONG PROP. OLD ILL. 13	OFFSET TO E.P. FEET	DISTANCE ALONG RADIUS FEET	GEOMETRIC DESCRIPTION
964+94.70	61.00	374.11				PC
964+84.82	61.77	374.02			10.00	
964+75.17	64.08	373.92			10.00	
964+65.91	67.85	373.83	83+20.93	65.91	10.00	
964+57.35	72.99	373.74	83+15.78	57.35	10.00	
		373.64	83+09.39	49.68	10.00	
		373.55	83+01.89	43.07	10.00	
		373.46	82+93.47	37.69	10.00	
		373.38	82+86.22	34.37	7.99	PCC
		373.36	82+84.34	33.65	2.01	
		373.27	82+74.91	30.31	10.00	
		373.18	82+65.36	27.35	10.00	
		373.08	82+55.70	24.77	10.00	
		372.99	82+45.94	22.58	10.00	
		372.90	82+36.11	20.79	10.00	
		372.80	82+26.21	19.39	10.00	
		372.71	82+16.45	18.41	10.00	
		372.62	82+06.82	18.01	10.00	
		372.60	82+05.22	18.00	1.67	PT



SW PROP. ILL. 13 RELOCATION / PROP. OLD ILL. 13

STATIONING ALONG PROP. ILL. 13 RELOCATION	OFFSET TO E.P. FEET	EDGE OF PAV'T. ELEV. FEET	STATIONING ALONG PROP. OLD ILL. 13	OFFSET TO E.P. FEET	DISTANCE ALONG RADIUS FEET	GEOMETRIC DESCRIPTION
963+05.00	61.00	373.98				PC
963+14.96	61.77	373.87			10.00	
963+24.69	64.05	373.76			10.00	
963+33.95	67.80	373.66	84+56.58	66.05	10.00	
963+42.52	72.92	373.55	84+61.70	57.48	10.00	
963+50.21	79.30	373.44	84+68.08	49.79	10.00	
963+56.84	86.78	373.33	84+75.56	43.17	10.00	
963+62.23	95.19	373.23	84+83.96	37.77	10.00	
		373.13	84+91.75	34.22	8.56	PCC
		373.12	84+93.09	33.71	1.44	
		373.01	85+02.53	30.41	10.00	
		372.90	85+12.10	27.49	10.00	
		372.80	85+21.77	24.95	10.00	
		372.69	85+31.54	22.81	10.00	
		372.58	85+41.38	21.05	10.00	
		372.47	85+51.29	19.69	10.00	
		372.37	85+61.24	18.73	10.00	
		372.26	85+71.22	18.17	10.00	
		372.16	85+80.32	18.00	9.10	PT

SE PROP. ILL. 13 RELOCATION / PROP. OLD ILL. 13

STATIONING ALONG PROP. ILL. 13 RELOCATION	OFFSET TO E.P. FEET	EDGE OF PAV'T. ELEV. FEET	STATIONING ALONG PROP. OLD ILL. 13	OFFSET TO E.P. FEET	DISTANCE ALONG RADIUS FEET	GEOMETRIC DESCRIPTION
		372.46	85+49.89	18.00		PC
		372.49	85+39.91	18.50	10.00	
		372.51	85+30.03	19.99	10.00	
		372.54	85+20.34	22.47	10.00	
		372.57	85+10.95	25.84	10.00	
		372.59	85+01.95	30.24	10.00	
		372.62	84+93.43	35.47	10.00	
		372.65	84+85.47	41.52	10.00	
		372.67	84+78.16	48.33	10.00	
		372.70	84+71.56	55.84	10.00	
964+63.97	76.97	372.72	85+65.75	63.97	10.00	
964+72.64	72.00	372.75	84+60.77	72.64	10.00	
964+79.72	68.75	372.77	84+57.52	79.67	7.76	PCC
964+81.81	67.90	372.78	84+56.68	81.76	2.24	
964+91.23	64.32	372.80			10.00	
965+00.78	61.11	372.83			10.00	
965+10.44	58.27	372.86			10.00	
965+20.20	55.80	372.88			10.00	
965+30.05	53.71	372.91			10.00	
965+39.97	52.00	372.94			10.00	
965+49.95	50.67	372.96			10.00	
965+59.97	49.73	372.99			10.00	
965+70.02	49.17	373.02			10.00	
965+79.51	49.00	373.04			9.44	PT

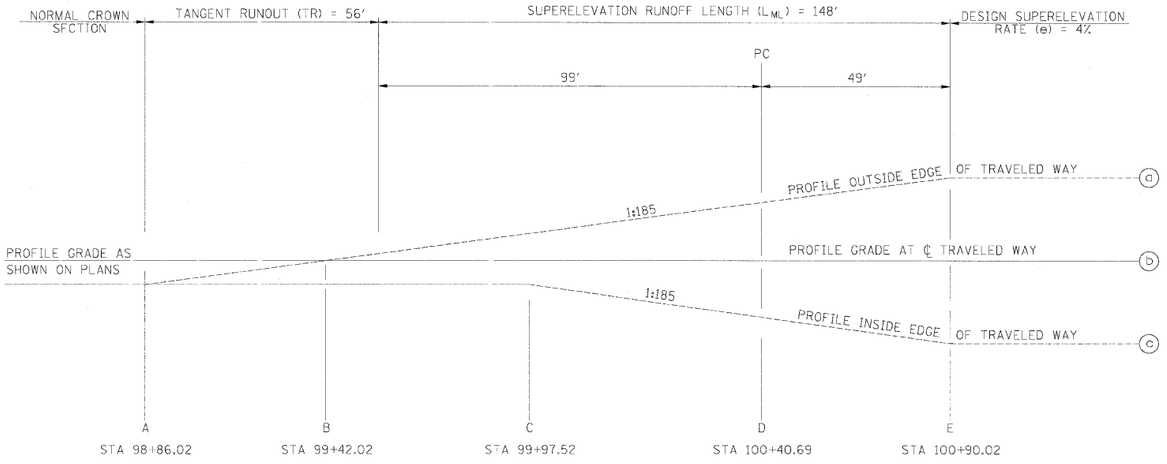
CHECKED BY
DRAWN BY
PLOT DATE 2/2/2009
PLOT SCALE 1in:8.9998

M:/PROJECTS/PRO3526/ROADWAY/COMMON/
Reference Files:
Active File:
GeomIll3Old13-01.dgn

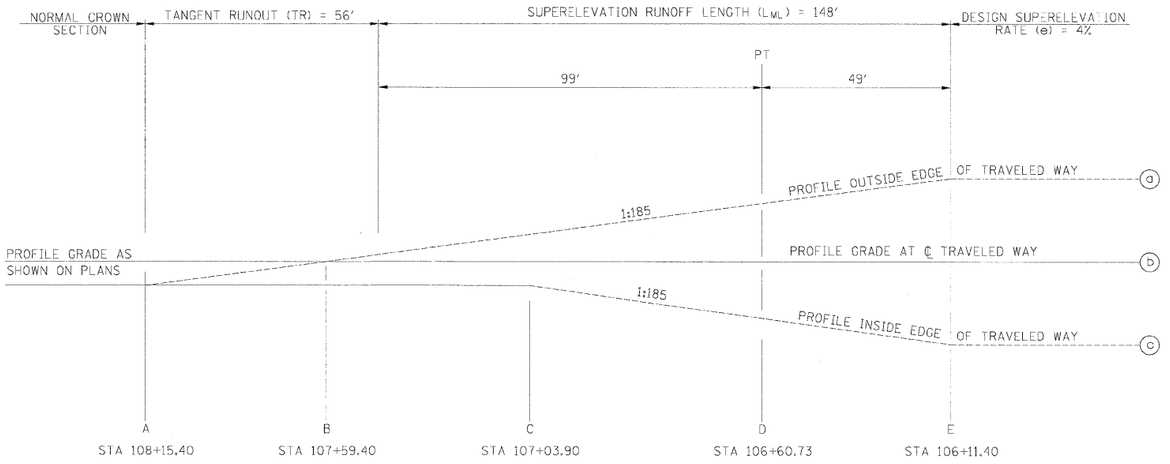
GEOMETRICS – ILL. 13 RELOCATION /OLD ILL. 13

CONTRACT NO. 78058

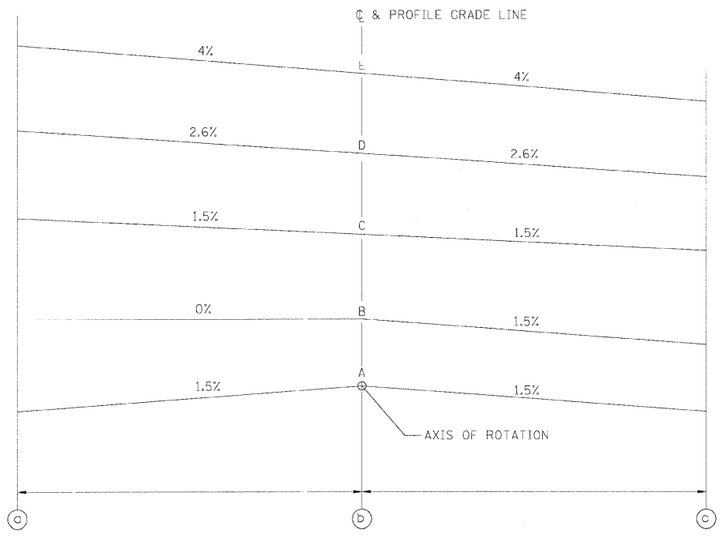
FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, 4-2	SALINE	220	108A
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



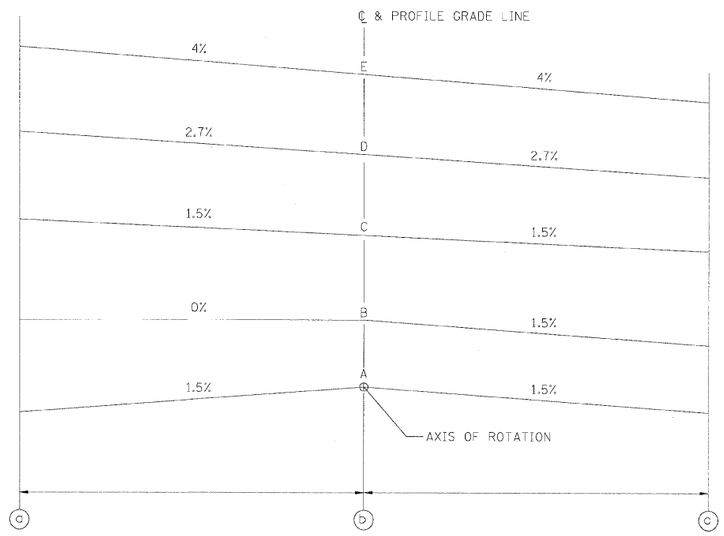
NOTE:
ROUND ALL EDGE BREAKPOINTS IN FIELD.



NOTE:
ROUND ALL EDGE BREAKPOINTS IN FIELD.



CURVE 2402
TRANSITION IN



CURVE 2402
TRANSITION OUT

SUPERELEVATION TRANSITION DETAIL – OLD ILL 13

CHECKED BY:BJW PLOT DATE: 2/2/2009
DRAWN BY: DMS PLOT SCALE: 1149.999

M:/PROJECTS/PROJ3526/ROADWAY/COMMON/
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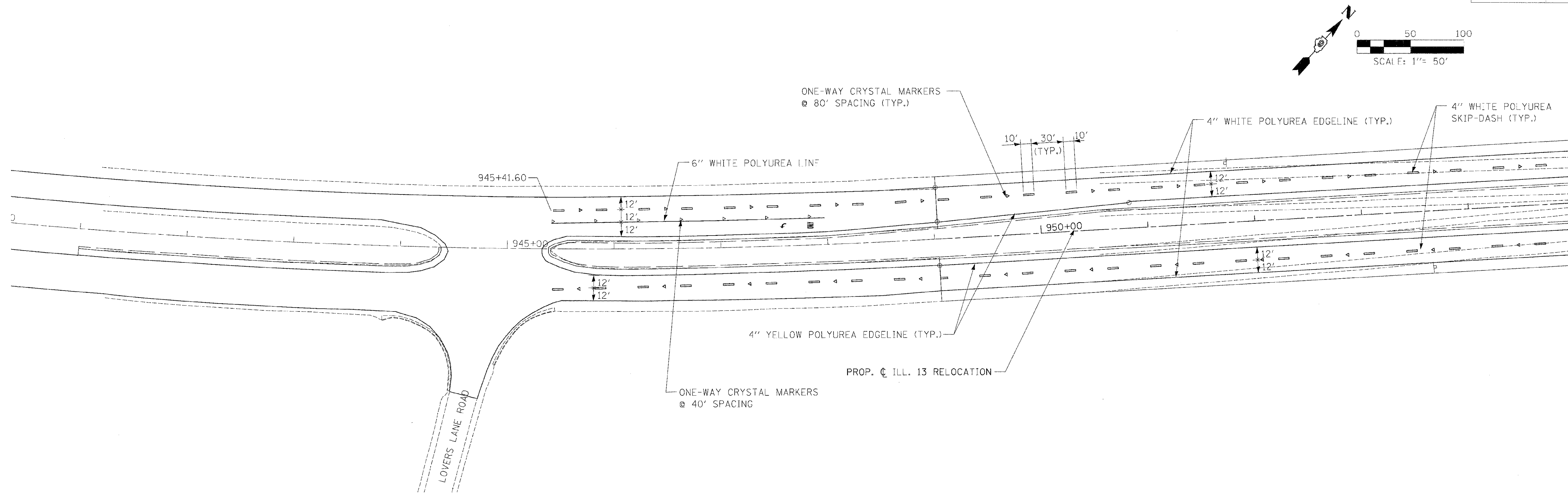
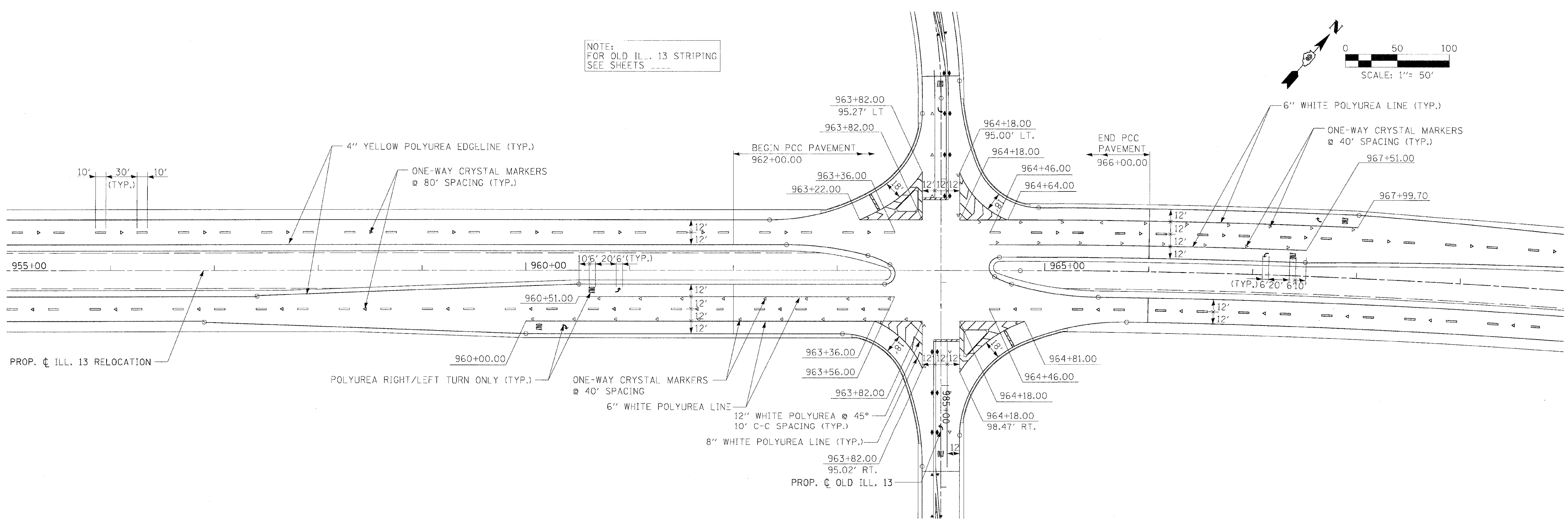
CONTRACT NO. 78058

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, 4-2	SALINE	220	109
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





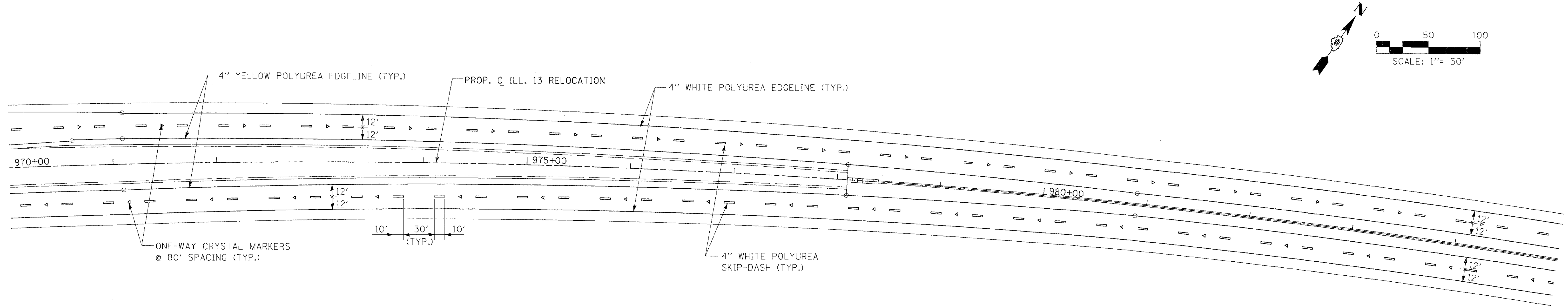
CHECKED BY BJW PLOT DATE 2/2/2009
DRAWN BY DWS PLOT SCALE 1:50

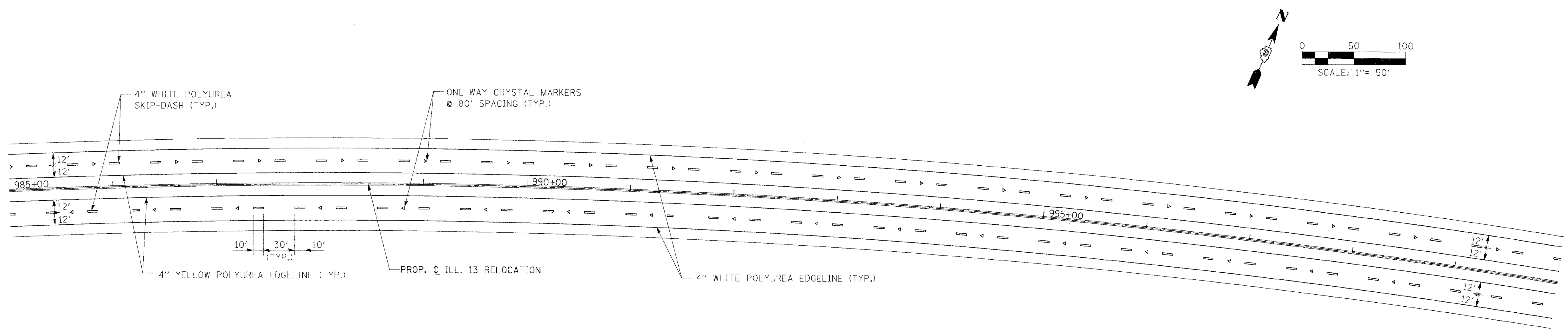
M:/PROJECTS/PROJ3526/ROADWAY/COMMON/
Active File: Reference Files:

PAVEMENT MARKING – STA. 945+41.60 TO STA. 970+00.00

CONTRACT NO. 78058

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, BX-1, 4-2	SALINE	220	110
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





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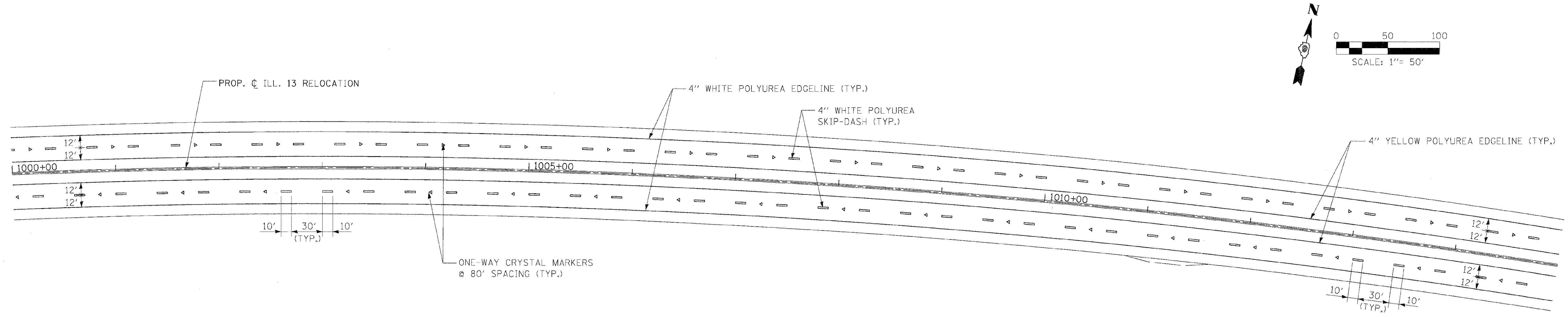
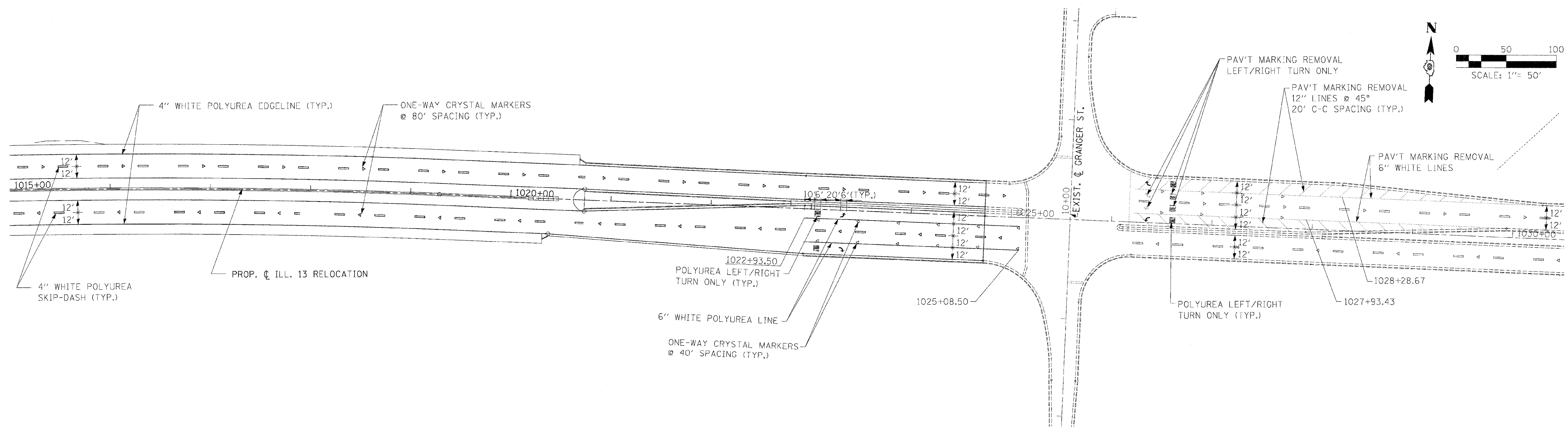
PAVEMENT MARKING – STA. 970+00.00 TO STA. 1000+00.00

CONTRACT NO. 78058

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, 4-2	SALINE	220	111
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





CHECKED BY BJW PLOT DATE 2/2/2009
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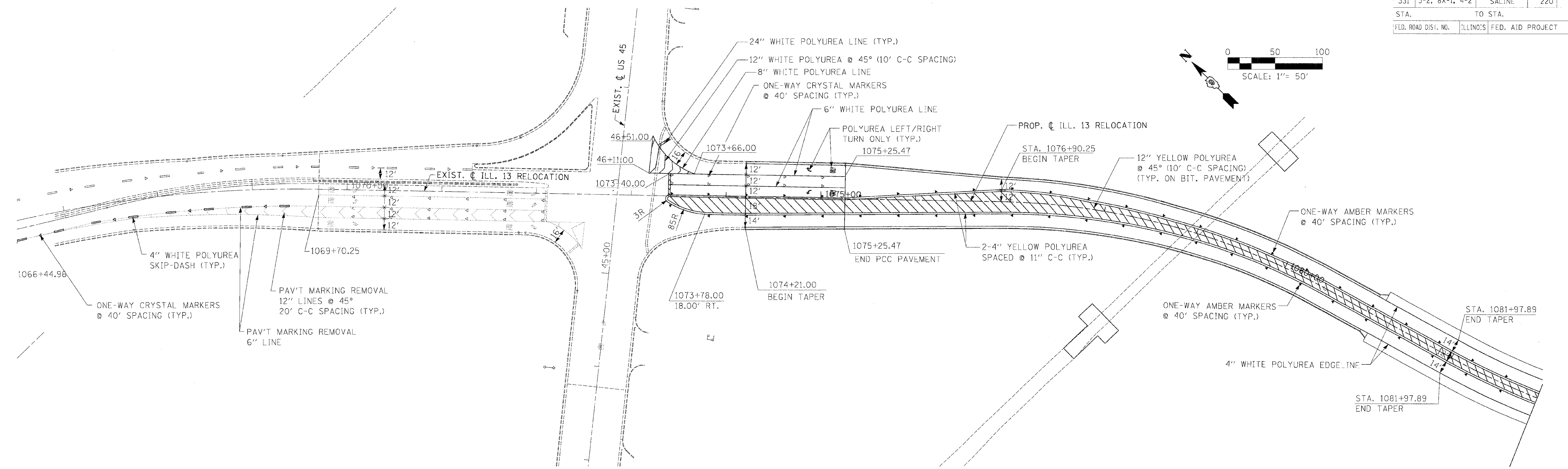
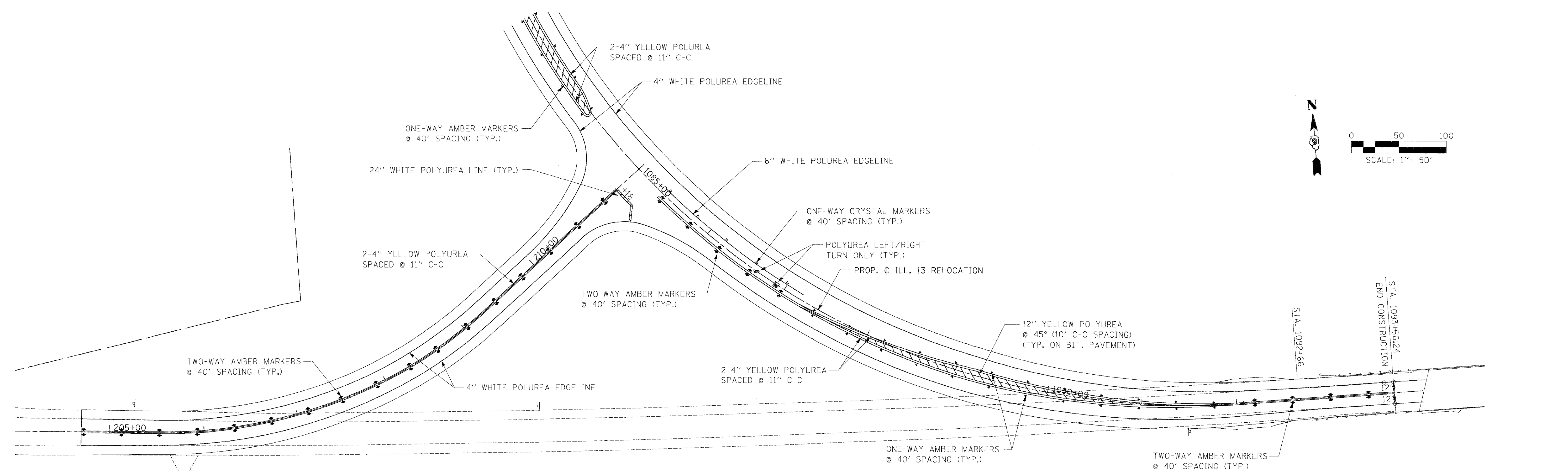
PAVEMENT MARKING – STA. 1000 + 00.00 TO STA. 1030 + 50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, 4-2	SALINE	220	112
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 78058





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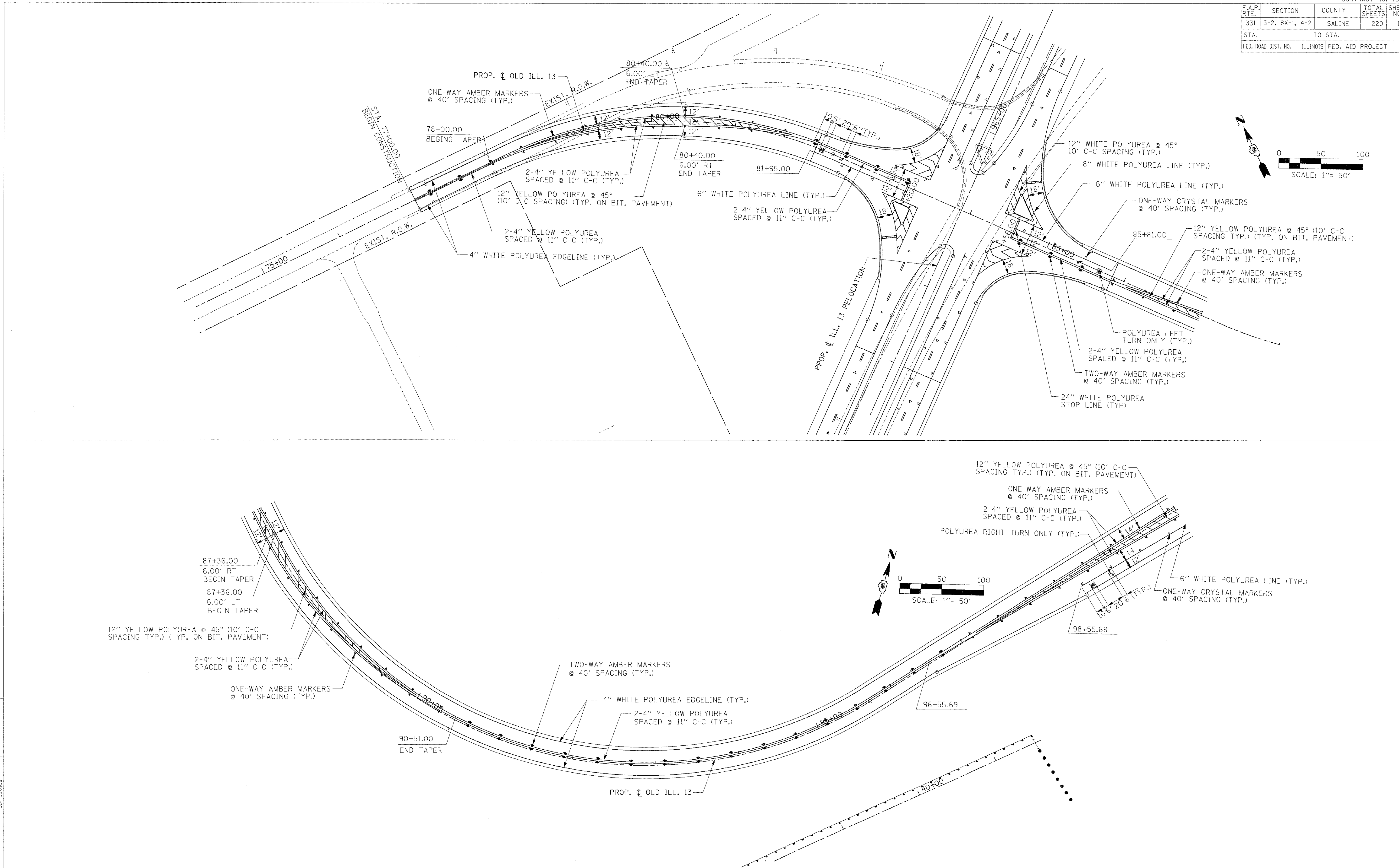
Reference Files: strbord-3526c6, strpbase-3526c6, hd-3526c6, hd-3526c6, top01-3526c6

PAVEMENT MARKING – STA. 1074+20.71 TO STA. 1093.66.25

CONTRACT NO. 78058

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, BX-1, 4-2	SALINE	220	113
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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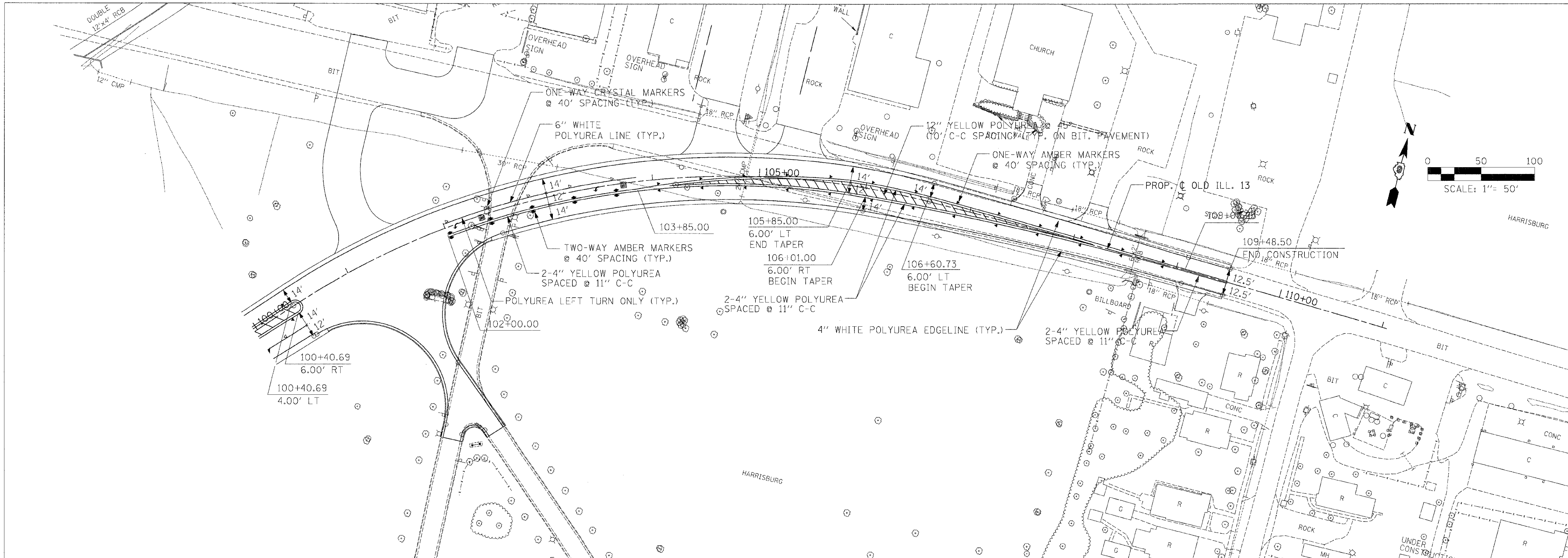
Reference Files: strlgbcse-3526c6, stbord-3526c6, hq-3526c6, tp01-3526c6

PAVEMENT MARKING – OLD ILL.13 – STA. 77+00.00 TO STA. 100+00.00

CONTRACT NO. 78058

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, 4-2	SALINE	220	114
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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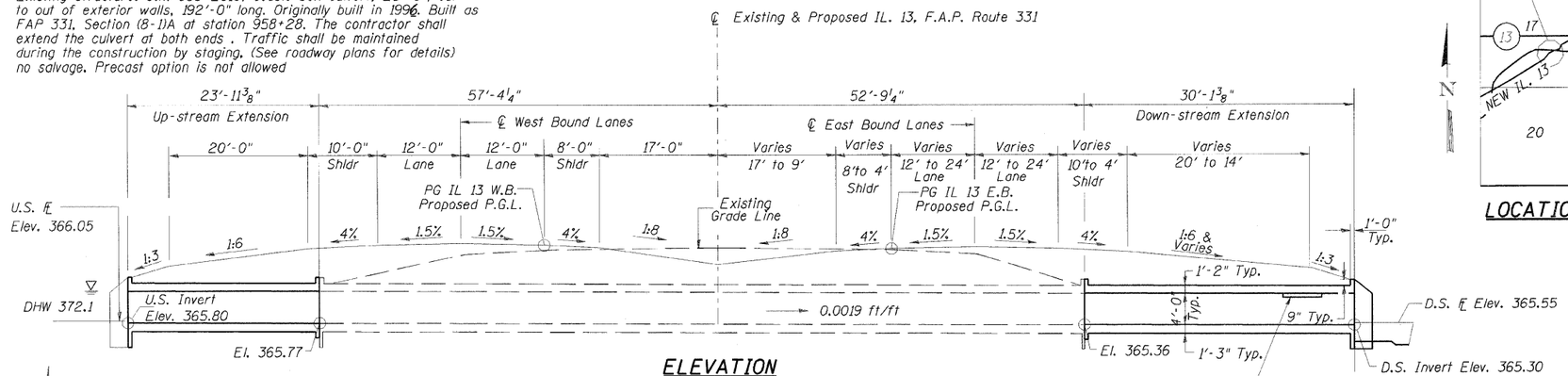
PAVEMENT MARKING – OLD ILL.13 – STA. 100+00.00 TO STA. 109+48.50

Bench Mark: BM #318 chiseled square in south end of double box culvert under lovers lane at station 953+00at 310' left of center line. Elevation 374.02

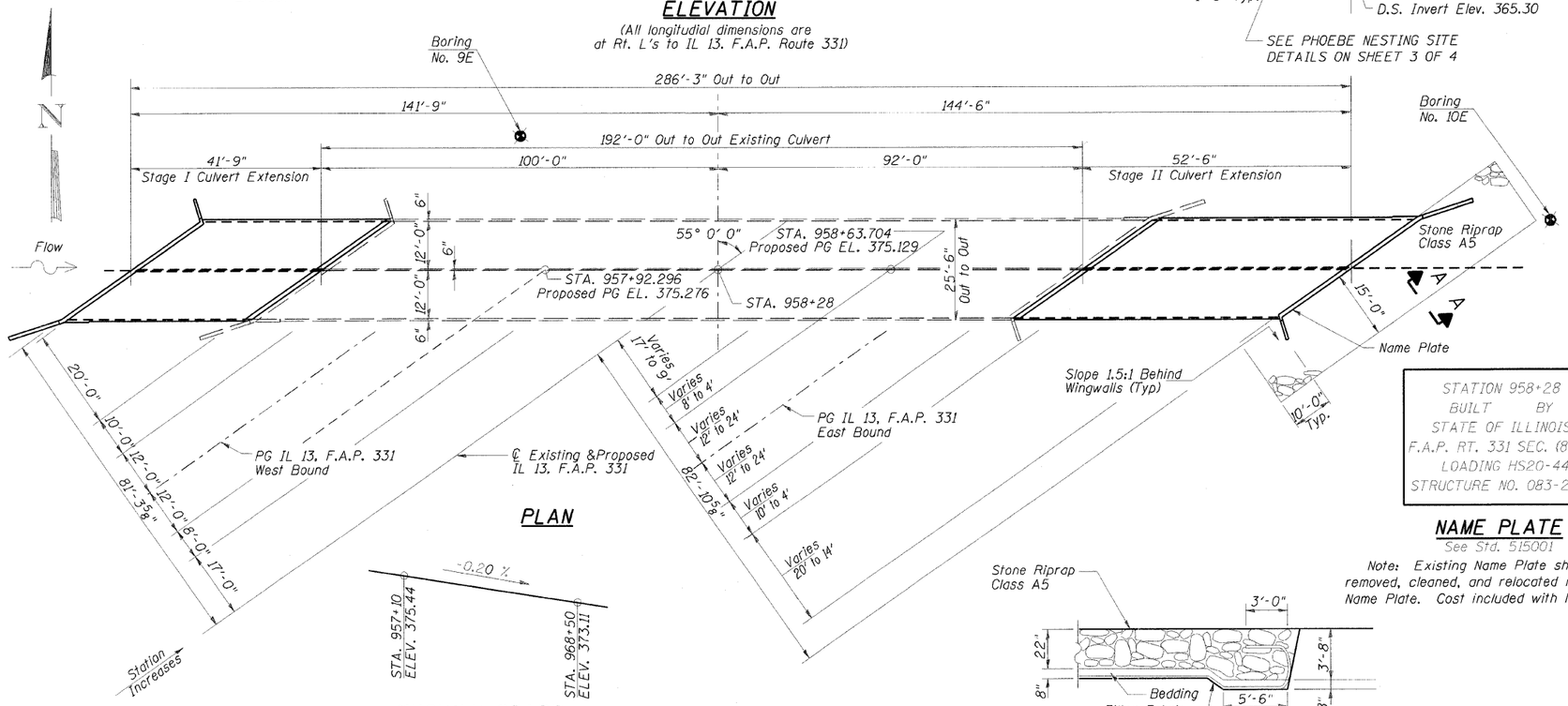
Existing Structure: S.N. 083-2013, double box culvert, 25'-0", out to out of exterior walls, 192'-0" long. Originally built in 1996. Built as FAP 331, Section (8-1)A at station 958+28. The contractor shall extend the culvert at both ends . Traffic shall be maintained during the construction by staging. (See roadway plans for details) no salvage. Precast option is not allowed

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



ELEVATION

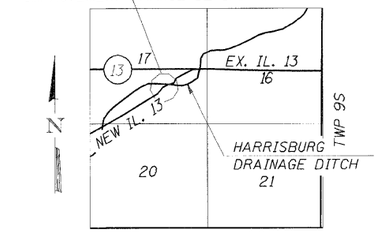
(All longitudial dimensions are at Rt. L's to IL 13. F.A.P. Route 331)



PLAN

PROFILE GRADE

ILLINOIS 13
(ALONG MEDIAN EDGE OF ROADWAY)



LOCATION SKETCH

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(8-1)A	SALINE	220	115
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		
CONTRACT NO. 78058				

SHEET NO. 1 OF 4 SHEETS

GENERAL NOTES

1. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60.
2. Reinforcement bars designated (E) shall be epoxy coated.
3. Plan dimensions and details relative to existing plans are subject to nominal construction variations. The contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
4. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

TOTAL BILL OF MATERIALS

ITEM	UNIT	QUANITY	PAY ITEM
STONE RIPRAP, CLASS A5	TON	190	28100209
FILTER FABRIC	SQ YD	125	28200200
NAME PLATES	EACH	1	51500100
EXPANSION BOLTS 3/4 INCH	EACH	114	54002020
CONCRETE BOX CULVERTS	CU YD	260	54003000
REINFORCEMENT BARS, EPOXY COATED	POUND	69,185	50800205

STATION 958+28
BUILT BY
STATE OF ILLINOIS
F.A.P. RT. 331 SEC. (8-1)A
LOADING HS20-44
STRUCTURE NO. 083-2013

NAME PLATE

See Std. 515001

Note: Existing Name Plate shall be carefully removed, cleaned, and relocated next to new Name Plate. Cost included with Name Plates.

RIPRAP ANCHOR

APPROVED
FOR STRUCTURAL ADEQUACY ONLY

Ralph E Anderson
ENGINEER OF BRIDGES AND STRUCTURES

LICENSED STRUCTURAL ENGINEER
JOHN S. PERADOTTI
81.005671
JACKSONVILLE
STATE OF ILLINOIS

John S Peradotti 3-15-09

JOHN S. PERADOTTI
ILLINOIS STRUCTURAL NO. 081-005671
EXPIRES 11-30-2010

WATERWAY INFORMATION

DRAINAGE AREA= 0.70 SQ. MI.
EXT. LOW GRADE ELEV. = 372.4' @ STA. 80+50 on OLD IL 13
PROP. LOW GRAD ELEV. = 372.4' @ STA. 80+50 on OLD IL 13

FLOOD	FREQ. YR.	Q C.F.S.	OPENING SQ.FT. EXIST.	OPENING SQ.FT. PROP.	NATURAL H.W.E. PROP.	HEAD - FT. EXIST.	HEAD - FT. PROP.	HEADWATER EL. EXIST.	HEADWATER EL. PROP.
	10	544	96	96	370.0	0.3	0.2	370.3	370.2
Design	50	885	96	96	372.1	0.2	0.0	372.3	372.1
Base	100	1039	96	96	373.3	0.1	0.0	373.4	373.3
Overtopping	55/56	899/939	96	96	372.4	0.0	0.0	372.4	372.4

HR
HURST - ROSCHE ENGINEERS, INC.

DESIGNED -	J.S.P.
CHECKED -	M.E.B.
DRAWN -	M.L.K.
CHECKED -	J.S.P./M.E.B.

LOADING HS20-44

Allow 50 lb/ft^2 for future wearing surface.

DESIGN SPECIFICATIONS

1996 AASHTO with 1997, 1998, 1999, 2000 and 2002 interims.

DESIGN STRESSES

FIELD UNITS
f'_c = 3,500 psi
f_y = 60,000 psi (Reinf.)

GENERAL PLAN
F.A.P. RTE 331 SEC. (8-1)A
OVER HARRISBURG DRAINAGE DITCH
SALINE COUNTY
STATION 958+28
STRUCTURE 083-2013

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(8-1)A	SALINE	220	116
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		
CONTRACT NO. 78058				

SHEET NO. 2 OF 4 SHEETS

(Back)
3-# 4 h_3(E) bars at 12 cts. Short Wing
3-# 7 h_7(E) bars at 10" cts. Long Wing

(Front)
5-# 4 h_3(E) bars at 12"cts. Short Wing
6-# 7 h_7(E) bars at 10" cts. Long Wing

Bend in Field, typ.

8-#7 h_6(E) bars at 10" cts. Long Wing
7-#4 h_5(E) bars at 12"cts. Short Wing
(Back) (Back)

1'-0" (Typ.)
22-11 3/8"
h_4(E) S_1(E) Typ. U/S Headwall
9"
a_1(E) or a_2(E)
d(E)
h(E)
h_5(E)
56-#4 v(E) bars at 9" cts. each Wall
h_5(E)
a
Elev. 365.80
h_4(E)
d (E)
2" cl.
4-#4 v_1(E) bars Ea. Wing See Plan View
8"

S(E) Typ.
h_4(E)
h_5(E)
5x2-#5 h(E) bars at 12" cts. Each Wall
Elev. 365.77
h_5(E)
9"
h(E)
a_1(E) or a_2(E)
h_4(E)

℄ Rdwy.

29'-1 3/8"
2-#4 h_4(E) bars in Top of Edge Beams Typ.
9"
h_1(E)
1'-2"
71-#4 v (E) bars at 9" cts. each Wall
3"ϕ Drains at ±8'-0" cts.
Const. Jt.
1'-6"
4'-0"
5x2-#5 h_1(E) bars at 12" cts. Each Wall
3x2-#7 h_5(E) bars in Bottom of Edge Beam Typ.
3x2-#7 h_5(E) bars in Top of Edge Beam Typ.
Elev. 365.36
Elev. 365.30
6"
1'-3"
3'-0"
2'-5½"
6'-5½"
8'-11"
¾" dia. Expansion Bolts (Typ.)
9"
h_1(E)
2x2-#4 h_4(E) bars in Bottom of Edge Beams Typ.

LONG SECTION

Dimensions are at right angles to ℄ Roadway

v_1(E)
1½" cl.
A
v_1
1-#4 v_1(E) bar (Each Corner)
h_3(E) or h_8(E)
h_3(E)
1½" cl.
1½" cl.
7"
23'-11 3/8"
h_8(E) below barrel cut to fit as needed
43-#4 d (E) bars at 12" cts. in cutoff wall (Typ.)
43-#4 s(E) bars @ 12" cts.
TOP SLAB 41'-9"
34x2-#9 d(E) bars at 8½" cts. Bottom
41-#4 a_2(E) bars at 7" cts. Top (Each Side)
41-#10 a_1(E) bars at 7" cts. Top over center wall
41-#10 a_1(E) bars at 7" cts. Bottom under center wall
41-#4 a_2(E) bars at 7" cts. Bottom (Each Side)
34-#9 a (E) bars at 8½" cts. Top
BOTTOM SLAB
30x2-# 5 h(E) bars at 10" cts. Top & Bott. of Bottom Slab
28x2-#5 h(E) bars at 11" cts. in Top & Bott. of Top Slab
3x2-#7 h_5(E) bars Top of Bottom Slab
h_6(E) below barrel cut to fit as needed
9½"
h_7(E)
h_6(E) or h_7(E)
v_1(E)
A
1½" cl.
7"
6"
12'-0"
6"
12'-0"
6"

55°0'0"
℄ Rdwy.
Flow
Sta. 958+28
43-#4 S(E) bars @ 12" cts. Top and Bottom 1½"

TOP SLAB 52'-6"
43x2-#9 d(E) bars at 8½" cts. Bottom
52-#4 a_2(E) bars at 7" cts. Top (Each Side)
52-#10 a (E) bars at 7" cts. Top over center wall
30'-1 3/8"
BOTTOM SLAB
52-#10 a_1(E) bars at 7" cts. Bottom under center wall
52-#4 a_2(E) bars at 7" cts. Top (Each Side)
43x2-#9 a (E) bars at 8½" cts. Top
30x2-#5 h_1(E) bars at 10" cts. Top & Bott. of Bottom Slab
28x2-#5 h_1(E) bars at 11" cts. Top & Bott. of Top Slab
7"

6"-3" (Typ.)
Back Face
12'-6"
15"
7"
17°30'0"
3'-9"
9"
21'-4¼"
6"x3" Formed Opening
2x2-#6 h_4(E) bars in Top of headwalls
℄ Culvert
1'-0"
17'-6"
21'-4¼"
43-#4 g(E) bars @ 12" cts.
3x2-#7 h_5(E) bars in Bottom of headwall
3x2-#6 h_4(E) bars in cutoff wall
6"
72°30'0"
4'-6"
4'-3½"
15"

N

PLAN

HR
HURST - ROSCHE ENGINEERS, INC.

DESIGNED	J.S.P.
CHECKED	M.E.B.
DRAWN	M.L.K.
CHECKED	J.S.P./M.E.B.

Notes:
A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.
Bars indicated thus 12x4-#5 etc. indicates 12 lines of bars with 4 lengths per line.
See sheet 3 of 4 for section A-A.

CULVERT PLAN
F.A.P. RTE 331 SEC. (8-1)A
OVER HARRISBURG DRAINAGE DITCH
SALINE COUNTY
STATION 958+28
STRUCTURE 083-2013

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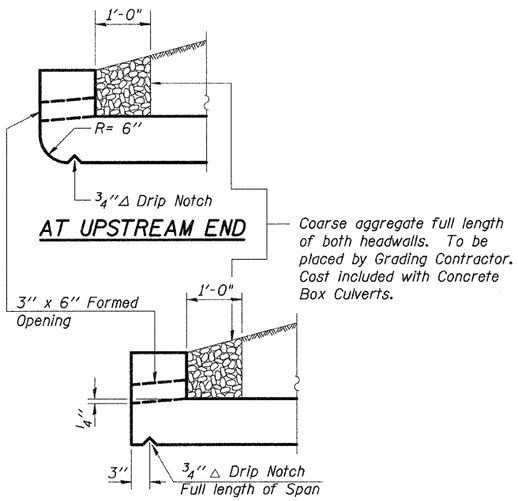
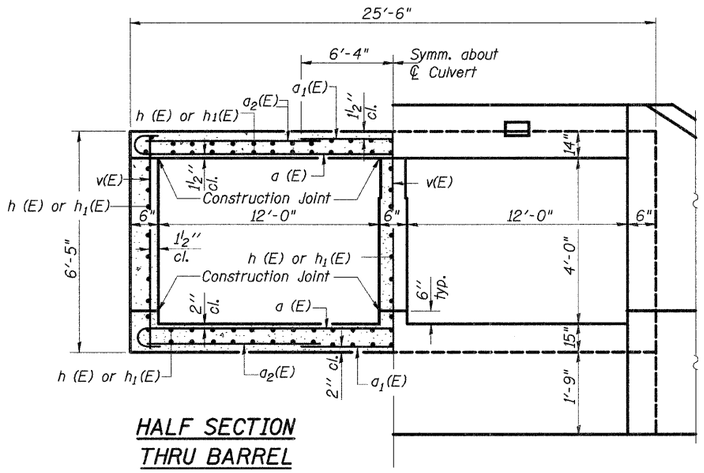
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(B-1)A	SALINE	220	117
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		
CONTRACT NO. 78058				

SHEET NO. 3 OF 4 SHEETS

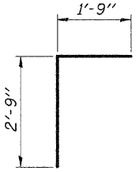


DRAIN DETAIL

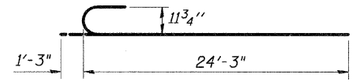


HALF SECTION THRU BARREL

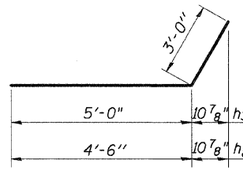
HALF END ELEVATION



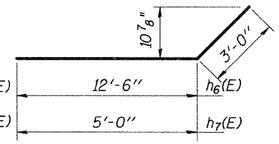
BAR d (E)



BAR a (E)



BARS h3(E) & h8(E)

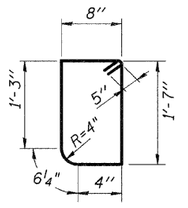


BARS h6(E) & h7(E)

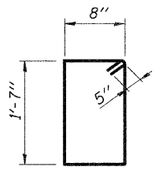
Bar	Lap
#4	1'-4"
#5	1'-8"
#6	2'-0"
#7	2'-9"
#9	4'-7"

BILL OF MATERIAL

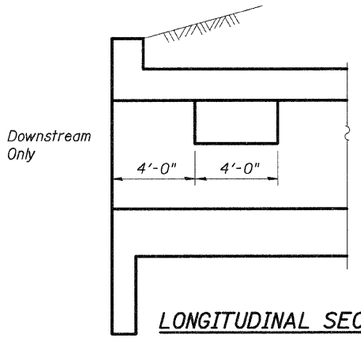
Bar	No.	Size	Length	Shape
a (E)	308	#9	25'-6"	
a1 (E)	186	#10	22'-2"	
a2(E)	372	#4	11'-7"	
d (E)	86	#4	4'-6"	
h (E)	262	#5	21'-9"	
h1 (E)	262	#5	27'-3"	
h3(E)	16	#4	8'-0"	
h4(E)	36	#6	22'-9"	
h5(E)	48	#7	23'-2"	
h6(E)	16	#7	15'-6"	
h7(E)	18	#7	8'-0"	
h8(E)	14	#4	7'-6"	
v (E)	385	#4	6'-0"	
v1 (E)	20	#4	8'-6"	
s (E)	215	#4	5'-4"	
s1(E)	43	#4	5'-3"	
Concrete Box Culverts			Cu. Yd.	260
Reinforcement Bars Epoxy Coated			Pound	69,185



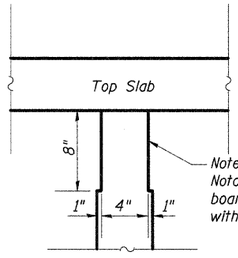
BAR s1(E)
(Upstream End)



BAR s(E)
(Downstream End)

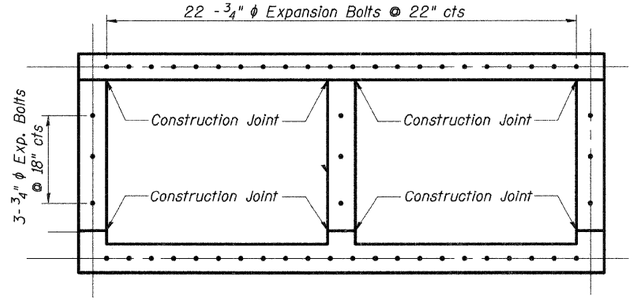


LONGITUDINAL SECTION



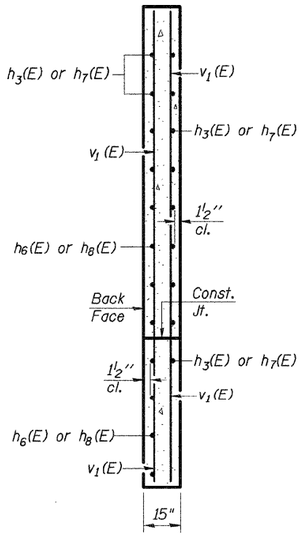
NOTCH DETAIL

PHOEBE NESTING SITE DETAILS



EXPANSION BOLTS FOR CULVERT EXTENSION

Note:
Expansion bolts shall be 3/4" dia. hooked bolts. Hooked bolts shall extend a minimum of 9" into new concrete.



SECTION A-A

HURST - ROSCHE ENGINEERS, INC.

DESIGNED	J.S.P.
CHECKED	M.E.B.
DRAWN	M.L.K.
CHECKED	J.S.P./M.E.B.

CULVERT DETAILS
F.A.P. RTE 331 SEC. (B-1)A
OVER HARRISBURG
DRAINAGE DITCH
SALINE COUNTY
STATION 958+28
STRUCTURE 083-2013

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	(8-1)A	SALINE	220	117A
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		
CONTRACT NO. 78058				

SHEET NO. 4 OF 4 SHEETS

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials
PROPOSED BOX CULVERT

Bridge Foundation Boring Log

PROJECT - _____ BRIDGE - _____ Date 11/22/93 Sh. 1 of 1

ROUTE FA 331 _____ Bored By Rich Moberly

SEC. 7-2.8-1 STA. - _____ Checked By Ed West

COUNTY SALINE

Boring No. 9-E
Sta 958+35
O/S 60' LT CL MED

Surf Wat El. 365.8
Grndwater El.
at Compl _____
At 24 Hrs 365.2

El.	N	Qu t/sf	W %
Ground Surface 370.3 0			
SOFT TO MEDIUM VERY MOIST BROWN MOTTLED GREY SILTY CLAY A-6		AUGERED	
		- 0.5B	29
		AUGERED	
365.3 -5			
STIFF MOIST TO VERY MOIST BROWN MOTTLED GREY SILTY CLAY A-6		- 1.2S	22
		AUGERED	
362.8			
STIFF MOIST TO VERY MOIST GREY MOTTLED BROWN CLAY A7-6		- 1.1B	24
		AUGERED	
360.3 -10			
STIFF MOIST TO VERY MOIST GREY MOTTLED BROWN CLAY TO SILTY CLAY A7-6		- 1.4B	25
		AUGERED	
357.8			
MEDIUM VERY MOIST BROWN MOTT GREY SILTY CLAY TO SILTY CLAY LOAM A-6		- 0.7B	24
		AUGERED	
355.3 -15			
STIFF TO VERY STIFF MOIST BROWN MOTTLED GREY CLAY TO SILTY CLAY A7-6		- 1.4B	22
		AUGERED	
		- 2.3B	22
351.8			
-20			
-25			
-30			
-35			
-40			
-45			

BOTTOM OF HOLE=18.5'

DURING DRILLING OPERATIONS IT APPEARED FREE WATER WAS ENCOUNTERED AT 10.0 FEET

N-Std Pentr Test: 2" OD Sampler, 140# Hammer, 30" Fall (Type Fail. B-Bulge S-Shear E-Estimated P-Penetrometer)

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials
PROPOSED BOX CULVERT

Bridge Foundation Boring Log

PROJECT - _____ BRIDGE - _____ Date 11/23/93 Sh. 1 of 1

ROUTE FA 331 _____ Bored By Rich Moberly

SEC. 7-2.8-1 STA. - _____ Checked By Ed West

COUNTY SALINE

Boring No. 10-E
Sta 959+47
O/S 65' RT CL MED

Surf Wat El. 366.5
Grndwater El.
at Compl _____
At - Hrs -

El.	N	Qu t/sf	W %
Ground Surface 370.2 0			
MEDIUM MOIST TO VERY MOIST BROWN MOTTLED GREY SILTY CLAY TO SILTY CLAY LOAM A-6		AUGERED	
367.7			
MEDIUM MOIST TO VERY MOIST BROWN MOTTLED GREY SILTY CLAY LOAM A-6		- 0.7S	25
		AUGERED	
365.2 -5			
STIFF MOIST TO VERY MOIST GREY MOTTLED BROWN CLAY TO SILTY CLAY A-6		- 1.8B	22
		AUGERED	
		- 1.2B	25
		AUGERED	
360.2 -10			
STIFF MOIST TO VERY MOIST GREY MOTTLED BROWN CLAY TO SILTY CLAY A7-6		- 1.1B	22
		AUGERED	
357.7		- 0.7B	23
MEDIUM TO STIFF VERY MOIST BROWN MOTTLED GREY SILTY CLAY A-6		AUGERED	
-15		- 1.6B	22
		AUGERED	
352.7			
V.STIFF MO BRN MOTT GR C-SIC 351.7 A7-6		- 2.1B	22
-20			
-25			
-30			
-35			
-40			
-45			

BOTTOM OF HOLE=18.5'

DURING DRILLING OPERATIONS IT APPEARED FREE WATER WAS ENCOUNTERED AT 10.0 FEET

N-Std Pentr Test: 2" OD Sampler, 140# Hammer, 30" Fall (Type Fail. B-Bulge S-Shear E-Estimated P-Penetrometer)

HR
HURST - ROSCHE ENGINEERS, INC.

DESIGNED	J.S.P.
CHECKED	M.E.B.
DRAWN	M.L.K.
CHECKED	J.S.P./M.E.B.

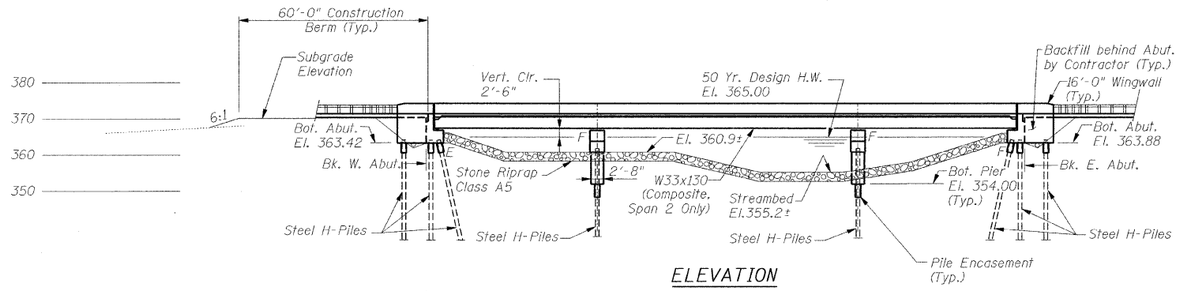
BORING LOGS
F.A.P. RTE 331 SEC. (8-1)A
OVER HARRISBURG
DRAINAGE DITCH
SALINE COUNTY
STATION 958+28
STRUCTURE 083-2013

Bench Mark : BM 303 "□" Cut Center of A.R.L. Headwall, Sta. 1024+90, 43' Rt. Centerline, SW Quadrant of Granger & Wilmoth. Elev. 362.00

Existing Structure : Existing abutments from railroad bridge over Harrisburg ditch on abandoned New York Central tracks to be removed by Contractor. Existing structure consists of timber piles, horizontal timbers, timber wing walls, and timber backwalls. No railroad superstructure exists. Approximate center of existing structure at Sta. 1013+46.50. No salvage. No traffic staging required.

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 331	(8X-1)B	SALINE CO.	220	118
STA.	TO STA.			
F.H.W.A. REGION		ILLINOIS	PROJECT	

Contract # 78058



ELEVATION

APPROVED

FOR STRUCTURAL ADEQUACY ONLY

Robert E. Anderson

ENGINEER OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS
HOSSAM M. ABDOU
081-005537
CHICAGO, IL
LICENSED STRUCTURAL ENGINEER

EXPIRATION DATE 11-30-2010

DATE March 05, 2009

PLAN

DESIGNED	EJB
CHECKED	MRB
DRAWN	LM
CHECKED	HMA

NOTES:

1. For Sections A-A & B-B see Sheet S2.

LOCATION SKETCH

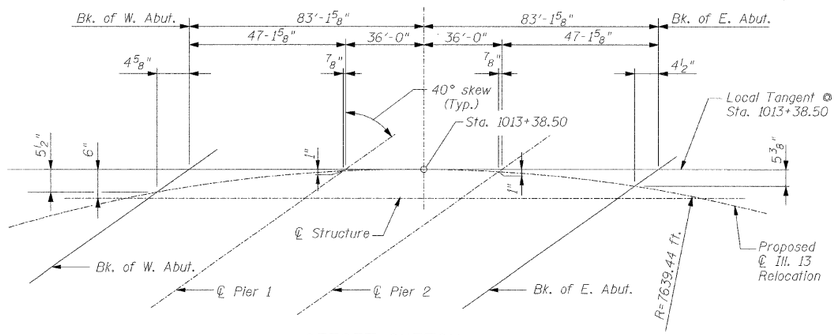
WATERWAY INFORMATION

Drainage Area = 2.80 sq. mi.

Existing Low Grade Elev. = 367.50

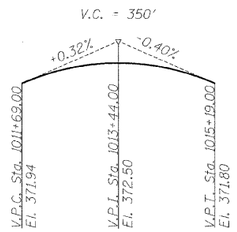
Proposed Low Grade Elev. = 367.40

Flood	Frequency (year)	Discharge, Q Exist. (cfs)	Discharge, Q Prop. (cfs)	Waterway Opening (sq ft) Exist.	Waterway Opening (sq ft) Prop.	Natural H.W.E.	Head (ft) Exist.	Head (ft) Prop.	Headwater Elev (ft) Exist.	Headwater Elev (ft) Prop.	Headwater Elev (ft) Prop. Model
Design	50	1820	1820	345	1242	366.7	0.00	0.00	366.7	366.7	364.1
Base	100	2144	2144	345	1242	367.6	0.00	0.00	367.6	367.6	364.4
Overtopping	----	----	----	----	----	----	----	----	----	----	----
Maximum	500	2988	2988	345	1242	369.8	0.00	0.00	369.8	369.8	365.1



OFFSET SKETCH

(Not to Scale)



PROFILE GRADE

Along Proposed ℄ Ill. 13 Relocation

CURVE DATA

Δ = 40°53'34.37" (Rt.)
D = 0°45'00.00"
T = 2848.13 ft.
L = 5452.38 ft.
E = 513.65 ft.
R = 7639.44 ft.
PC = Sta. 964+76.35
PT = Sta. 1019+28.73
PI = Sta. 993+24.48
SE = 0.026 ft/ft

LOADING HS20-44

Allow 50 lb/ft² for future wearing surface.

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications for Highway Bridges, 17th Edition.

DESIGN STRESSES

FIELD UNITS

f' c = 3,500 psi
f y = 60,000 psi (Reinf.)
f y = 36,000 psi (Structural Steel AASHTO M 270 Gr. 36)
f y = 50,000 psi (Structural Steel AASHTO M 270 Gr. 50)

NOTE:

Due to mine subsidence, the structural steel is designed for a maximum of 0.8 Fy.

SEISMIC DATA

Seismic Performance Category (SPC) = B
Bedrock Acceleration Coefficient (A) = 0.11g
Site Coefficient (S) = 1.2

benesch

alfred benesch & company
Engineers • Surveyors • Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450
JOB NO. 3526

ILLINOIS DEPARTMENT OF TRANSPORTATION
RELOCATED ILLINOIS ROUTE 13 OVER HARRISBURG DITCH
F.A.P. 331 SECTION (8X-1)B

GENERAL PLAN AND ELEVATION

SN: 083-0060
SALINE CO., IL.

STA. 1013+38.50
DATE: FEB 4, 2009

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 331	(8X-1)B	SALINE CO.	220	119
STA.		TO STA.		
F.H.W.A. REGION		ILLINOIS	PROJECT	

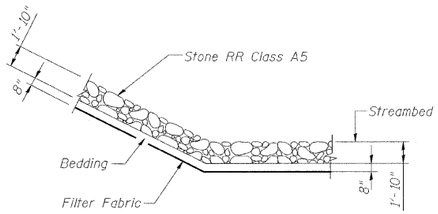
Contract # 78058

GENERAL NOTES

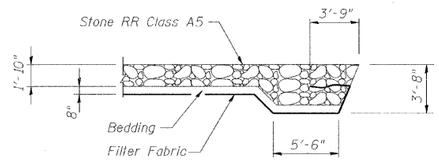
1. Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts $\frac{7}{8}$-in. ϕ, holes $\frac{15}{16}$-in. ϕ, unless otherwise noted.
2. Calculated weight of Structural Steel AASHTO M 270 GR 50 = 298,210 lbs.
3. All structural steel shall be AASHTO M 270 Grade 50.
4. No field welding is permitted except as specified in the contract documents.
5. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
6. Reinforcement bars designated (E) shall be epoxy coated.
7. Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of $\frac{1}{8}$ inch. Adjustment shall be made either by grinding the surface or by shimming the bearings.
8. Concrete Sealer shall be applied to the seats, front face and backwall of the abutments.
9. The Inorganic Zinc-rich Primer/Acrylic/Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. The color of the final finish coat for all interior steel surfaces shall be gray, Munsell No 5B 7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be Interstate Green, Munsell No 7.5G 4/8. See special provision for "Cleaning and Painting New Metal Structures."
10. Layout of slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
11. The embankment configuration shown shall be the minimum embankment that must be placed and compacted prior to construction of the abutments.
12. The Contractor shall drive test piles to 110% of the nominal required bearing specified in production locations at substructures specified or approved by the Engineer before ordering the remainder of piles.
13. All cross frames or diaphragms shall be installed as steel is erected and secured with erection pins and bolts except as otherwise noted. Individual cross frames or diaphragms at supports may be temporarily disconnected to install bearing anchor rods.
14. Load carrying components designated "NTR" shall conform to the Supplemental Requirements for Notch Toughness, Zone 2.
15. Two $\frac{1}{8}$" adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.
16. Slipforming of the parapets is not allowed.

TOTAL BRIDGE BILL OF MATERIAL

	UNIT	SUPER	SUB	TOTAL
POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD		458	458
STONE RIPRAP, CLASS A5	SQ YD		4,654	4,654
FILTER FABRIC	SQ YD		5,137	5,137
REMOVAL OF EXISTING STRUCTURES	EACH		1	1
STRUCTURE EXCAVATION	CU YD		359	359
FLOOR DRAINS	EACH	16		16
CONCRETE STRUCTURES	CU YD		695	695
CONCRETE SUPERSTRUCTURE	CU YD	809.5		809.5
BRIDGE DECK GROOVING	SQ YD	2,078		2,078
CONCRETE ENCASEMENT	CU YD		51.2	51.2
PROTECTIVE COAT	SQ YD	2,556		2,556
FURNISHING AND ERECTING STRUCTURAL STEEL	L. SUM	1		1
STUD SHEAR CONNECTORS	EACH	4,464		4,464
REINFORCEMENT BARS, EPOXY COATED	POUND	198,230	57,660	255,890
BAR SPLICERS	EACH	242		242
FURNISHING STEEL PILES HP14X73	FOOT		6,356	6,356
DRIVING PILES	FOOT		6,356	6,356
TEST PILE STEEL HP14X73	EACH		2	2
NAME PLATES	EACH	1		1
PREFORMED JOINT STRIP SEAL	FOOT	242		242
ELASTOMERIC BEARING ASSEMBLY, TYPE II	EACH	12		12
ANCHOR BOLTS 1"	EACH		24	24
ANCHOR BOLTS 1 1/4"	EACH		48	48
ANCHOR BOLTS 1 1/2"	EACH		24	24
CONCRETE SEALER	SQ FT		2,778	2,778
GEOCOMPOSITE WALL DRAIN	SQ YD		233	233
PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT		288	288
UNDERWATER STRUCTURE EXCAVATION PROTECTION, LOCATION 1	EACH		1	1
UNDERWATER STRUCTURE EXCAVATION PROTECTION, LOCATION 2	EACH		1	1

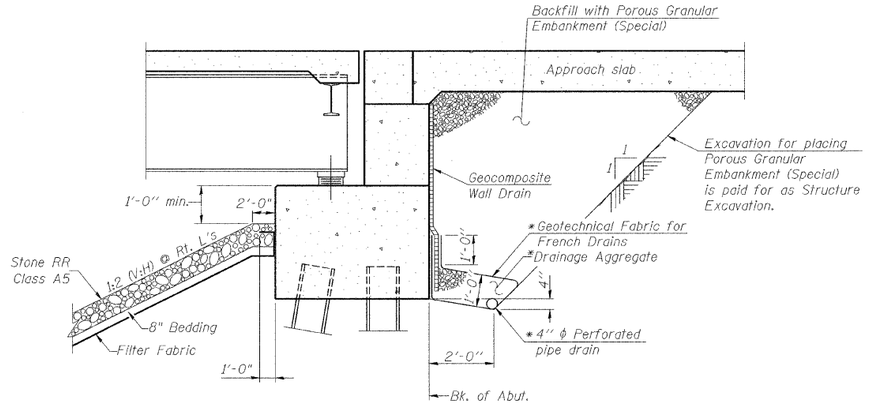


SECTION A-A



SECTION B-B

INDEX OF DRAWINGS



SECTION THRU PILE SUPPORTED STUB ABUTMENT
(Horiz. dim. ℄ Rt. L's)

*Included in the cost of Pipe Underdrains for Structures.

Note:
All drainage system components shall extend parallel to the abutment back wall until they intersect the wingwalls or 2'-0" from the end of the wingwalls when the wings are parallel to the abutment. The pipe shall extend under the wingwall, if necessary, until intersecting the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).

STATION 1013+38.50
BUILT 200_ BY
STATE OF ILLINOIS
F.A.P 331 SEC. (8X-1) B
LOADING HS20-44
STR. NO. 083-0060

NAME PLATE
See Std. 515001

DESIGNED	WJZ / EJB
CHECKED	MRB/KMP
DRAWN	EJB
CHECKED	MRB/KMP

benesch
alfred benesch & company
Engineers • Surveyors • Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450
JOB NO. 3526

ILLINOIS DEPARTMENT OF TRANSPORTATION
RELOCATED ILLINOIS ROUTE 13 OVER
HARRISBURG DITCH
F.A.P. 331 SECTION (8X-1)B

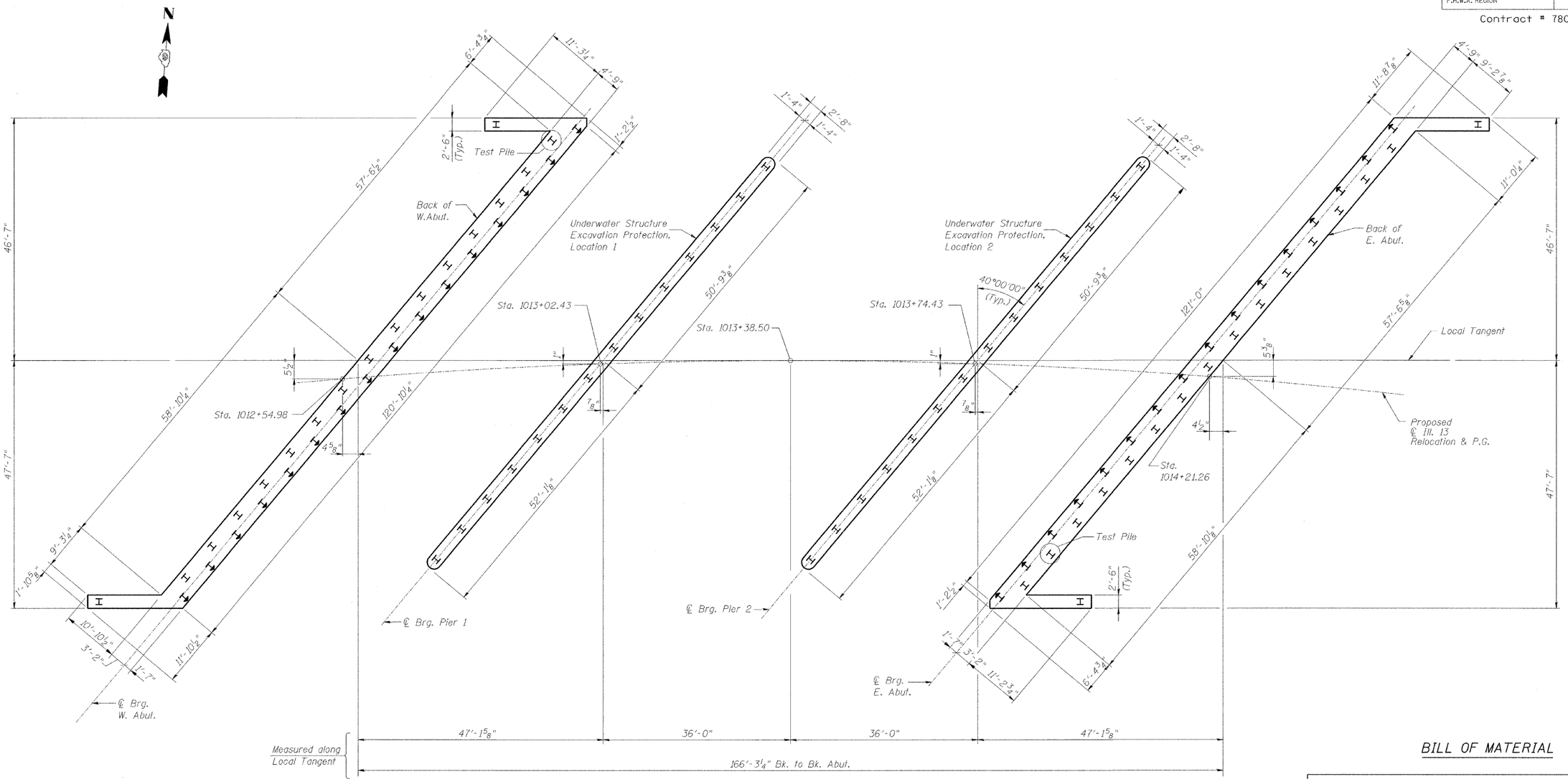
GENERAL NOTES, DRAWING INDEX, TOTAL BILL OF MATERIAL

SN: 083-0060
SALINE CO., IL.

STA. 1013+38.50
DATE: FEB 4, 2009

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 331	(8X-1)B	SALINE CO.	220	120
STA.		TO STA.		
F.H.W.A. REGION		ILLINOIS	PROJECT	

Contract # 78058



FOUNDATION LAYOUT

BILL OF MATERIAL

Pay Item	UNIT	QUANTITY
Underwater Structure Excavation Protection, Location 1	Each	1
Underwater Structure Excavation Protection, Location 2	Each	1

NOTES:

1. For Pile layout and details see Sheets S15 and S17.
2. For HP Pile Details see sheet S20.

DESIGNED	RJW
CHECKED	WJZ
DRAWN	LM
CHECKED	WJZ

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alfred benesch & company
Engineers • Surveyors • Planners
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ILLINOIS DEPARTMENT OF TRANSPORTATION
RELOCATED ILLINOIS ROUTE 13 OVER HARRISBURG DITCH
F.A.P. 331 SECTION (8X-1)B

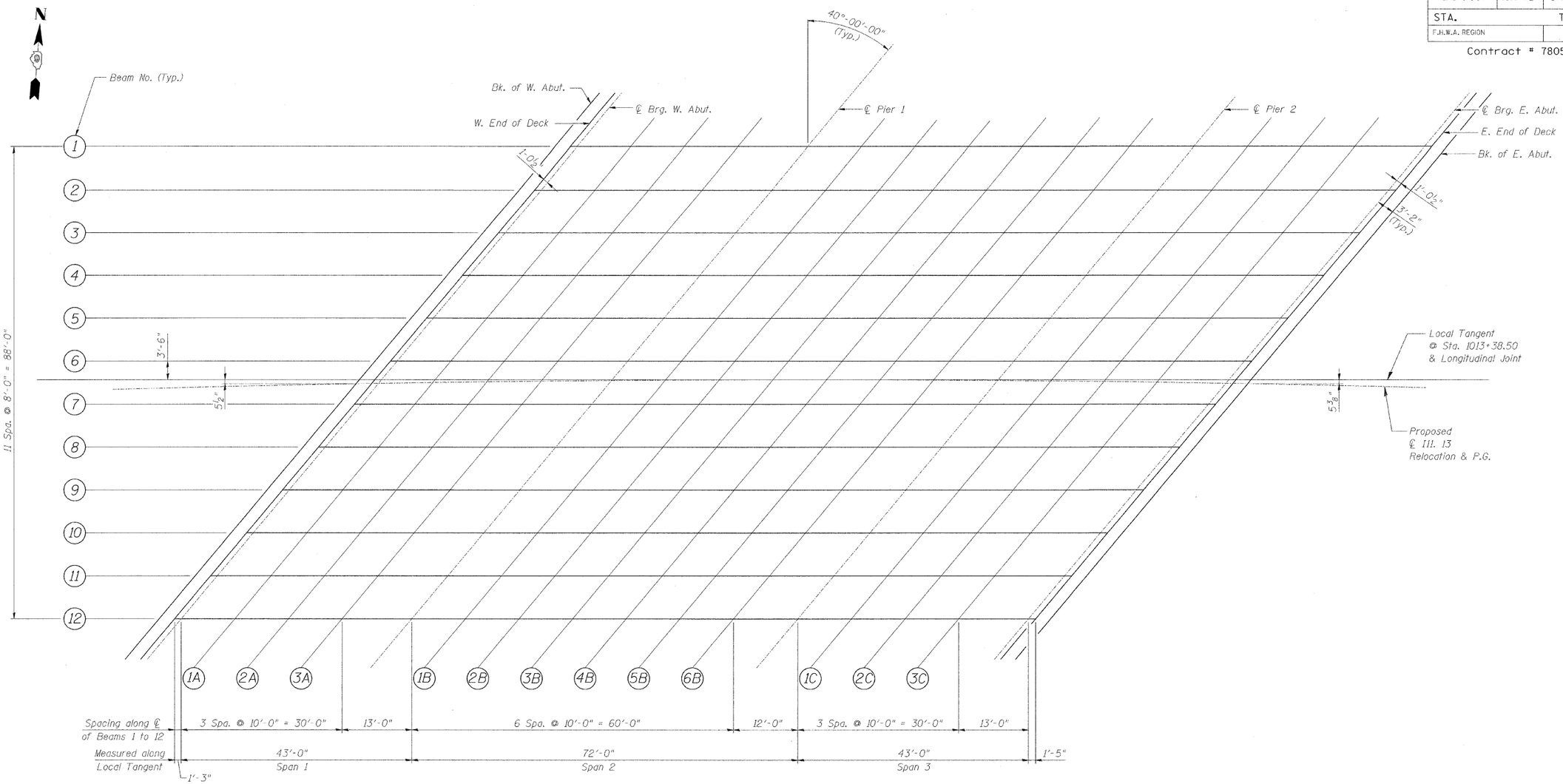
FOUNDATION LAYOUT

SN: 083-0060
SALINE CO., IL.

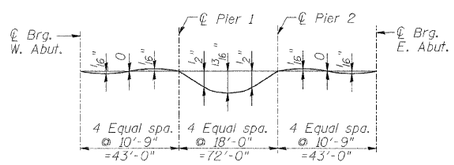
STA. 1013+38.50
DATE: FEB 4, 2009

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 331	(8X-1)B	SALINE CO.	220	121
STA.	TO STA.			
F.H.W.A. REGION	ILLINOIS	PROJECT		

Contract # 78058



PLAN

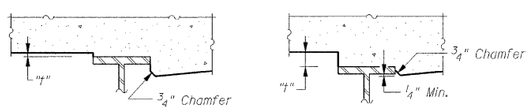


DEAD LOAD DEFLECTION DIAGRAM

(Due to weight of concrete only)
(Deck & Parapet)

Note:

The above deflections are not to be used in the field if the Engineer is working from the grade elevations adjusted for dead load deflections as shown on Sheets S5 & S6.



AT MINIMUM FILLET AT MAXIMUM FILLET

To determine "t": After all structural steel has been erected, elevations at the top of flanges of the beams shall be taken at intervals shown above. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on Sheets S5 & S6 minus slab thickness, equal the fillet heights "t" above top flange of beams.

FILLET HEIGHTS

NOTES:

1. For stations and top of slab elevations, see Sheets S5 & S6.

DESIGNED	EJB
CHECKED	MRB
DRAWN	LM
CHECKED	MRB

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ILLINOIS DEPARTMENT OF TRANSPORTATION
RELOCATED ILLINOIS ROUTE 13 OVER
HARRISBURG DITCH
F.A.P. 331 SECTION (8X-1)B

DECK SCREED PLAN

SN: 083-0060
SALINE CO., IL.

STA. 1013+38.50
DATE: FEB 4, 2009

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 331	(8X-1)B	SALINE CO.	220	122
STA.		TO STA.		
F.H.W.A. REGION		ILLINOIS	PROJECT	

Contract # 78058

BEAM 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. End of Deck	1012+94.989	-43.618	373.314	373.314
℄ Brg. W. Abut	1012+96.240	-43.618	373.315	373.315
1A	1013+06.190	-43.569	373.318	373.321
2A	1013+16.130	-43.533	373.320	373.321
3A	1013+26.070	-43.510	373.320	373.317
℄ Pier 1	1013+39.000	-43.500	373.318	373.318
1B	1013+48.940	-43.507	373.314	373.335
2B	1013+58.880	-43.527	373.308	373.355
3B	1013+68.830	-43.561	373.301	373.365
4B	1013+78.770	-43.607	373.292	373.358
5B	1013+88.710	-43.666	373.282	373.333
6B	1013+98.660	-43.738	373.270	373.296
℄ Pier 2	1014+10.590	-43.842	373.253	373.253
1C	1014+20.530	-43.943	373.237	373.233
2C	1014+30.470	-44.057	373.219	373.219
3C	1014+40.410	-44.184	373.200	373.203
℄ Brg. E. Abut	1014+53.340	-44.368	373.172	373.172
E. End of Deck	1014+54.673	-44.368	373.168	373.168

BEAM 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. End of Deck	1012+88.269	-35.658	373.102	373.102
℄ Brg. W. Abut	1012+89.520	-35.658	373.103	373.103
1A	1012+99.470	-35.600	373.108	373.111
2A	1013+09.420	-35.556	373.111	373.112
3A	1013+19.380	-35.524	373.112	373.109
℄ Pier 1	1013+32.320	-35.503	373.111	373.111
1B	1013+42.270	-35.501	373.109	373.130
2B	1013+52.220	-35.512	373.104	373.151
3B	1013+62.180	-35.537	373.098	373.162
4B	1013+72.130	-35.574	373.091	373.156
5B	1013+82.090	-35.625	373.081	373.132
6B	1013+92.040	-35.688	373.070	373.096
℄ Pier 2	1014+03.980	-35.782	373.054	373.054
1C	1014+13.940	-35.874	373.039	373.035
2C	1014+23.890	-35.979	373.023	373.023
3C	1014+33.840	-36.098	373.005	373.008
℄ Brg. E. Abut	1014+46.780	-36.271	372.978	372.978
E. End of Deck	1014+48.113	-36.271	372.975	372.975

BEAM 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. End of Deck	1012+81.529	-27.704	372.890	372.890
℄ Brg. W. Abut	1012+82.780	-27.704	372.891	372.891
1A	1012+92.740	-27.638	372.897	372.900
2A	1013+02.700	-27.584	372.901	372.903
3A	1013+12.670	-27.544	372.904	372.901
℄ Pier 1	1013+25.620	-27.511	372.904	372.904
1B	1013+35.590	-27.501	372.903	372.924
2B	1013+45.550	-27.503	372.899	372.946
3B	1013+55.510	-27.519	372.895	372.958
4B	1013+65.480	-27.548	372.888	372.953
5B	1013+75.440	-27.590	372.880	372.931
6B	1013+85.410	-27.645	372.870	372.896
℄ Pier 2	1013+97.360	-27.728	372.855	372.855
1C	1014+07.330	-27.811	372.842	372.838
2C	1014+17.290	-27.908	372.826	372.826
3C	1014+27.250	-28.017	372.809	372.812
℄ Brg. E. Abut	1014+40.200	-28.179	372.784	372.784
E. End of Deck	1014+41.533	-28.179	372.781	372.781

BEAM 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. End of Deck	1012+74.769	-19.756	372.677	372.677
℄ Brg. W. Abut	1012+76.020	-19.756	372.678	372.678
1A	1012+86.000	-19.681	372.685	372.688
2A	1012+95.970	-19.619	372.691	372.692
3A	1013+05.950	-19.570	372.694	372.691
℄ Pier 1	1013+18.910	-19.525	372.696	372.696
1B	1013+28.890	-19.506	372.696	372.717
2B	1013+38.860	-19.500	372.694	372.740
3B	1013+48.840	-19.507	372.690	372.753
4B	1013+58.810	-19.527	372.685	372.750
5B	1013+68.780	-19.560	372.677	372.728
6B	1013+78.760	-19.606	372.668	372.695
℄ Pier 2	1013+90.730	-19.679	372.656	372.656
1C	1014+00.700	-19.754	372.643	372.639
2C	1014+10.680	-19.842	372.628	372.629
3C	1014+20.650	-19.943	372.612	372.615
℄ Brg. E. Abut	1014+33.610	-20.094	372.589	372.589
E. End of Deck	1014+34.943	-20.094	372.586	372.586

BEAM 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. End of Deck	1012+68.009	-11.814	372.463	372.463
℄ Brg. W. Abut	1012+69.260	-11.814	372.465	372.465
1A	1012+79.240	-11.730	372.473	372.476
2A	1012+89.220	-11.659	372.479	372.481
3A	1012+99.210	-11.601	372.484	372.481
℄ Pier 1	1013+12.190	-11.545	372.487	372.487
1B	1013+22.170	-11.517	372.488	372.509
2B	1013+32.160	-11.503	372.487	372.534
3B	1013+42.140	-11.501	372.485	372.548
4B	1013+52.130	-11.512	372.480	372.546
5B	1013+62.110	-11.537	372.474	372.525
6B	1013+72.100	-11.574	372.467	372.493
℄ Pier 2	1013+84.080	-11.636	372.455	372.455
1C	1013+94.070	-11.702	372.443	372.439
2C	1014+04.050	-11.782	372.430	372.430
3C	1014+14.030	-11.874	372.415	372.418
℄ Brg. E. Abut	1014+27.010	-12.014	372.393	372.393
E. End of Deck	1014+28.343	-12.014	372.390	372.390

BEAM 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. End of Deck	1012+61.219	-3.878	372.248	372.248
℄ Brg. W. Abut	1012+62.470	-3.878	372.250	372.250
1A	1012+72.470	-3.786	372.259	372.262
2A	1012+82.460	-3.706	372.267	372.268
3A	1012+92.460	-3.639	372.273	372.270
℄ Pier 1	1013+05.450	-3.572	372.278	372.278
1B	1013+15.450	-3.535	372.280	372.301
2B	1013+25.440	-3.511	372.280	372.327
3B	1013+35.440	-3.501	372.279	372.342
4B	1013+45.430	-3.503	372.275	372.341
5B	1013+55.430	-3.519	372.271	372.322
6B	1013+65.420	-3.547	372.264	372.290
℄ Pier 2	1013+77.420	-3.599	372.254	372.254
1C	1013+87.410	-3.657	372.243	372.239
2C	1013+97.410	-3.727	372.231	372.231
3C	1014+07.400	-3.811	372.217	372.220
℄ Brg. E. Abut	1014+20.400	-3.939	372.197	372.197
E. End of Deck	1014+21.733	-3.939	372.194	372.194

LOCAL TANGENT AND LONGITUDINAL JOINT

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. End of Deck	1012+58.252	-0.409	372.154	372.154
℄ Brg. W. Abut	1012+59.503	-0.409	372.156	372.156
1A	1012+69.502	-0.312	372.166	372.169
2A	1012+79.501	-0.228	372.174	372.175
3A	1012+89.501	-0.157	372.180	372.177
℄ Pier 1	1013+02.500	-0.085	372.186	372.186
1B	1013+12.500	-0.044	372.189	372.210
2B	1013+22.500	-0.017	372.189	372.236
3B	1013+32.500	-0.002	372.188	372.252
4B	1013+42.500	-0.001	372.186	372.251
5B	1013+52.500	-0.013	372.181	372.232
6B	1013+62.500	-0.038	372.175	372.201
℄ Pier 2	1013+74.500	-0.085	372.165	372.165
1C	1013+84.499	-0.139	372.156	372.152
2C	1013+94.499	-0.205	372.144	372.144
3C	1014+04.498	-0.285	372.131	372.133
℄ Brg. E. Abut	1014+17.497	-0.409	372.111	372.111
E. End of Deck	1014+18.830	-0.409	372.108	372.108

PROPOSED ℄ ILL. 13 RELOCATION & P.G.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. End of Deck	1012+57.899	0.000	372.143	372.143
℄ Brg. W. Abut	1012+59.150	0.000	372.145	372.145
1A	1012+69.240	0.000	372.157	372.160
2A	1012+79.310	0.000	372.168	372.169
3A	1012+89.370	0.000	372.176	372.173
℄ Pier 1	1013+02.430	0.000	372.184	372.184
1B	1013+12.460	0.000	372.187	372.209
2B	1013+22.490	0.000	372.189	372.235
3B	1013+32.500	0.000	372.188	372.252
4B	1013+42.500	0.000	372.186	372.251
5B	1013+52.490	0.000	372.181	372.232
6B	1013+62.470	0.000	372.174	372.201
℄ Pier 2	1013+74.430	0.000	372.163	372.163
1C	1013+84.380	0.000	372.152	372.148
2C	1013+94.330	0.000	372.139	372.139
3C	1014+04.260	0.000	372.124	372.126
℄ Brg. E. Abut	1014+17.160	0.000	372.101	372.101
E. End of Deck	1014+18.493	0.000	372.098	372.098

NOTES:

1. Work this sheet with Sheet S4.

DESIGNED	EJB
CHECKED	KWS
DRAWN	EJB
CHECKED	MRB

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ILLINOIS DEPARTMENT OF TRANSPORTATION
RELOCATED ILLINOIS ROUTE 13 OVER
HARRISBURG DITCH
F.A.P. 331 SECTION (8X-1)B

DECK ELEVATIONS

SN: 083-0060
SALINE CO., IL.

STA. 1013+38.50
DATE: FEB 4, 2009

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 331	(8X-1)B	SALINE CO.	220	123
STA.		TO STA.		
F.H.W.A. REGION		ILLINOIS	PROJECT	

Contract # 78058

BEAM 7

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. End of Deck	1012+54.429	4.051	372.033	372.033
℄ Brg. W. Abut	1012+55.680	4.051	372.035	372.035
1A	1012+65.680	4.153	372.045	372.048
2A	1012+75.690	4.242	372.054	372.055
3A	1012+85.690	4.318	372.061	372.058
℄ Pier 1	1012+98.700	4.396	372.068	372.068
1B	1013+08.710	4.442	372.071	372.092
2B	1013+18.710	4.474	372.072	372.119
3B	1013+28.720	4.494	372.072	372.135
4B	1013+38.720	4.500	372.070	372.135
5B	1013+48.730	4.493	372.066	372.117
6B	1013+58.740	4.473	372.061	372.087
℄ Pier 2	1013+70.740	4.432	372.052	372.052
1C	1013+80.750	4.383	372.042	372.038
2C	1013+90.750	4.321	372.031	372.032
3C	1014+00.760	4.246	372.019	372.022
℄ Brg. E. Abut	1014+13.770	4.129	372.000	372.000
E. End of Deck	1014+15.103	4.129	371.997	371.997

BEAM 8

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. End of Deck	1012+47.619	11.975	371.817	371.817
℄ Brg. W. Abut	1012+48.870	11.975	371.819	371.819
1A	1012+58.880	12.086	371.830	371.833
2A	1012+68.900	12.183	371.840	371.842
3A	1012+78.910	12.268	371.848	371.845
℄ Pier 1	1012+91.940	12.358	371.857	371.857
1B	1013+01.950	12.413	371.861	371.882
2B	1013+11.970	12.454	371.863	371.910
3B	1013+21.980	12.482	371.864	371.928
4B	1013+32.000	12.497	371.863	371.929
5B	1013+42.020	12.499	371.861	371.912
6B	1013+52.030	12.488	371.856	371.883
℄ Pier 2	1013+64.050	12.457	371.849	371.849
1C	1013+74.070	12.417	371.841	371.837
2C	1013+84.090	12.364	371.831	371.831
3C	1013+94.100	12.298	371.819	371.822
℄ Brg. E. Abut	1014+07.120	12.192	371.802	371.802
E. End of Deck	1014+08.453	12.192	371.799	371.799

BEAM 9

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. End of Deck	1012+40.789	19.893	371.600	371.600
℄ Brg. W. Abut	1012+42.040	19.893	371.602	371.602
1A	1012+52.070	20.012	371.615	371.617
2A	1012+62.100	20.119	371.626	371.627
3A	1012+72.120	20.212	371.635	371.632
℄ Pier 1	1012+85.160	20.314	371.645	371.645
1B	1012+95.180	20.378	371.650	371.671
2B	1013+05.210	20.428	371.654	371.700
3B	1013+15.240	20.465	371.656	371.719
4B	1013+25.260	20.489	371.656	371.721
5B	1013+35.290	20.499	371.655	371.706
6B	1013+45.320	20.497	371.652	371.678
℄ Pier 2	1013+57.350	20.477	371.645	371.645
1C	1013+67.380	20.446	371.638	371.634
2C	1013+77.400	20.401	371.630	371.630
3C	1013+87.430	20.344	371.619	371.622
℄ Brg. E. Abut	1014+00.460	20.249	371.603	371.603
E. End of Deck	1014+01.793	20.249	371.601	371.601

BEAM 10

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. End of Deck	1012+33.959	27.804	371.382	371.382
℄ Brg. W. Abut	1012+35.210	27.804	371.384	371.384
1A	1012+45.240	27.933	371.398	371.401
2A	1012+55.280	28.048	371.410	371.412
3A	1012+65.310	28.151	371.421	371.418
℄ Pier 1	1012+78.360	28.264	371.432	371.432
1B	1012+88.400	28.336	371.439	371.460
2B	1012+98.440	28.395	371.444	371.490
3B	1013+08.470	28.441	371.447	371.510
4B	1013+18.510	28.474	371.448	371.513
5B	1013+28.550	28.494	371.448	371.499
6B	1013+38.590	28.500	371.446	371.472
℄ Pier 2	1013+50.630	28.490	371.441	371.441
1C	1013+60.670	28.468	371.435	371.431
2C	1013+70.710	28.432	371.428	371.428
3C	1013+80.740	28.384	371.418	371.421
℄ Brg. E. Abut	1013+93.790	28.301	371.404	371.404
E. End of Deck	1013+95.123	28.301	371.402	371.402

BEAM 11

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. End of Deck	1012+27.099	35.710	371.163	371.163
℄ Brg. W. Abut	1012+28.350	35.710	371.165	371.165
1A	1012+38.400	35.847	371.181	371.183
2A	1012+48.450	35.972	371.194	371.195
3A	1012+58.490	36.083	371.206	371.203
℄ Pier 1	1012+71.550	36.208	371.219	371.219
1B	1012+81.600	36.289	371.226	371.248
2B	1012+91.650	36.357	371.232	371.279
3B	1013+01.700	36.412	371.237	371.300
4B	1013+11.750	36.453	371.239	371.305
5B	1013+21.790	36.482	371.240	371.291
6B	1013+31.840	36.497	371.239	371.266
℄ Pier 2	1013+43.900	36.498	371.236	371.236
1C	1013+53.950	36.484	371.231	371.227
2C	1013+63.990	36.458	371.225	371.225
3C	1013+74.040	36.418	371.217	371.220
℄ Brg. E. Abut	1013+87.100	36.346	371.204	371.204
E. End of Deck	1013+88.433	36.346	371.202	371.202

BEAM 12

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
W. End of Deck	1012+20.24	43.609	370.943	370.943
℄ Brg. W. Abut	1012+21.49	43.609	370.946	370.946
1A	1012+31.54	43.756	370.962	370.965
2A	1012+41.60	43.889	370.977	370.978
3A	1012+51.66	44.009	370.990	370.987
℄ Pier 1	1012+64.73	44.146	371.004	371.004
1B	1012+74.79	44.236	371.013	371.034
2B	1012+84.85	44.313	371.021	371.067
3B	1012+94.91	44.376	371.026	371.090
4B	1013+04.96	44.427	371.030	371.095
5B	1013+15.02	44.464	371.032	371.083
6B	1013+25.08	44.488	371.032	371.059
℄ Pier 2	1013+37.15	44.500	371.030	371.030
1C	1013+47.21	44.495	371.027	371.023
2C	1013+57.27	44.477	371.021	371.022
3C	1013+67.33	44.446	371.014	371.017
℄ Brg. E. Abut	1013+80.40	44.386	371.003	371.003
E. End of Deck	1013+81.73	44.386	371.001	371.001

DESIGNED	EJB
CHECKED	KWS
DRAWN	EJB
CHECKED	MRB

NOTES:

1. Work this sheet with Sheet S4.

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Chicago, Illinois 60601
312-565-0450
JOB NO. 3526

ILLINOIS DEPARTMENT OF TRANSPORTATION
RELOCATED ILLINOIS ROUTE 13 OVER
HARRISBURG DITCH
F.A.P. 331 SECTION (8X-1)B

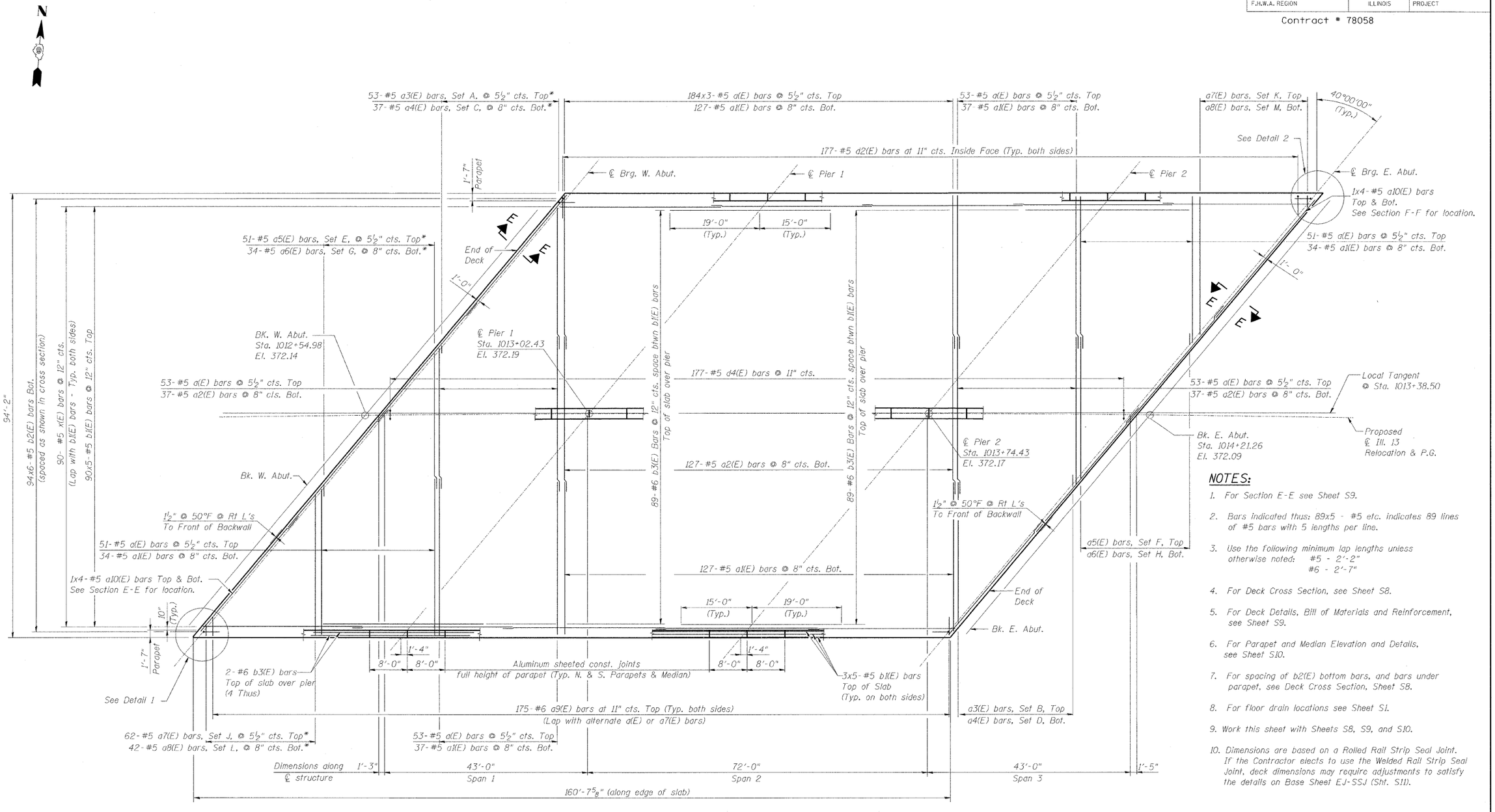
DECK ELEVATIONS

SN: 083-0060
SALINE CO., IL.

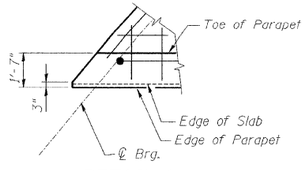
STA. 1013+38.50
DATE: FEB 4, 2009

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 331	(8X-1)B	SALINE CO.	220	124
STA.	TO STA.			
F.H.W.A. REGION		ILLINOIS	PROJECT	

Contract # 78058



* See bar cutting diagram, Sheet S9.



DETAIL 1
DETAIL 2 (Similar)

DECK PLAN

NOTES:

1. For Section E-E see Sheet S9.
2. Bars indicated thus: 89x5 - #5 etc. indicates 89 lines of #5 bars with 5 lengths per line.
3. Use the following minimum lap lengths unless otherwise noted: #5 - 2'-2" #6 - 2'-7"
4. For Deck Cross Section, see Sheet S8.
5. For Deck Details, Bill of Materials and Reinforcement, see Sheet S9.
6. For Parapet and Median Elevation and Details, see Sheet S10.
7. For spacing of b2(E) bottom bars, and bars under parapet, see Deck Cross Section, Sheet S8.
8. For floor drain locations see Sheet S1.
9. Work this sheet with Sheets S8, S9, and S10.
10. Dimensions are based on a Rolled Rail Strip Seal Joint. If the Contractor elects to use the Welded Rail Strip Seal Joint, deck dimensions may require adjustments to satisfy the details on Base Sheet EJ-SSJ (Sht. S11).

DESIGNED	KWS
CHECKED	MRB
DRAWN	LM
CHECKED	WJZ

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ILLINOIS DEPARTMENT OF TRANSPORTATION
RELOCATED ILLINOIS ROUTE 13 OVER HARRISBURG DITCH
F.A.P. 331 SECTION (8X-1)B

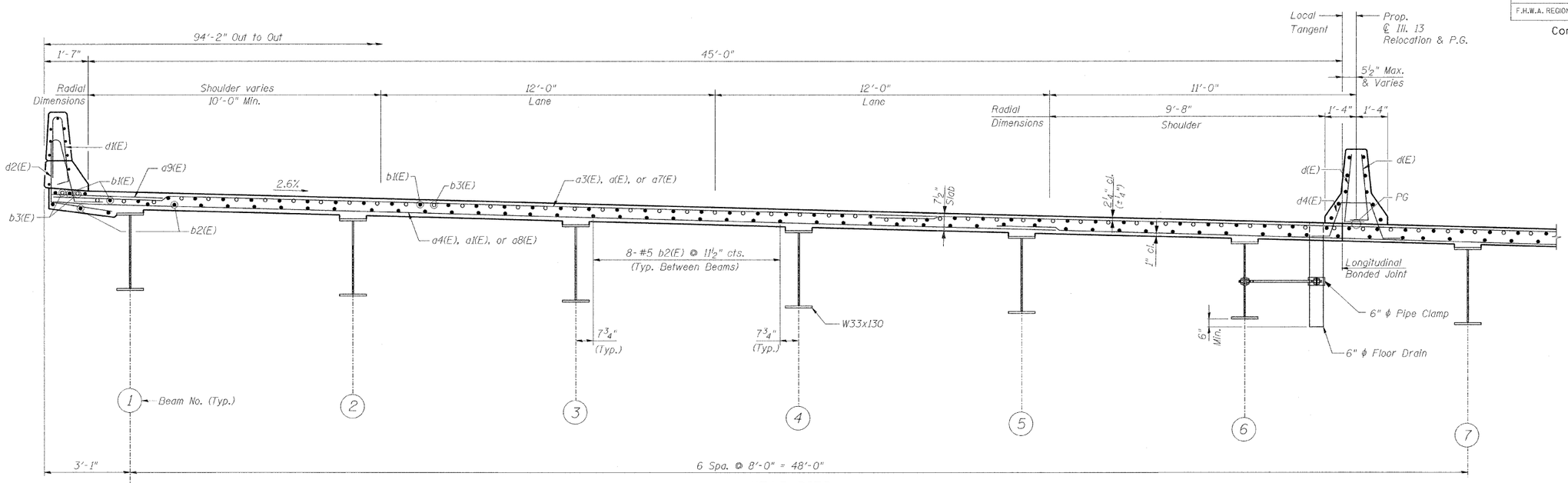
DECK REINFORCEMENT PLAN

SN: 083-0060
SALINE CO., IL.

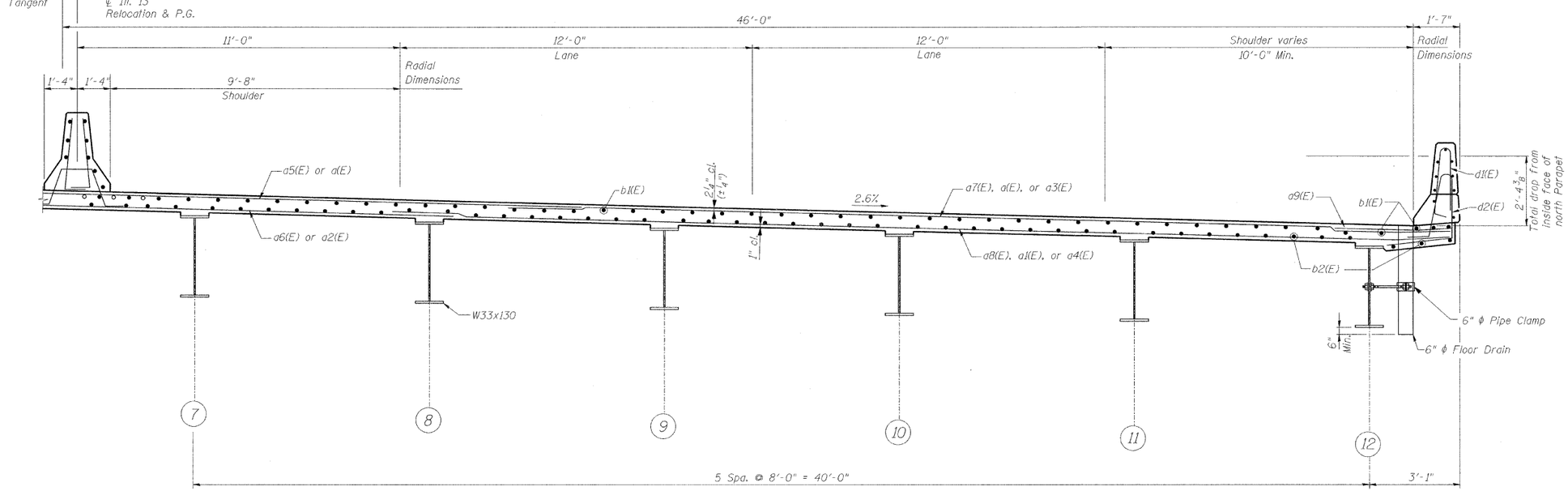
STA. 1013+38.50
DATE: FEB 4, 2009

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 331	(8X-1)B	SALINE CO.	220	125
STA.	TO STA.			
F.H.W.A. REGION	ILLINOIS	PROJECT		

Contract # 78058



NEAR PIER



NEAR MIDSPAN

DECK CROSS SECTION

(Looking Upstation)

NOTES:

1. For Bill of Material, Reinforcement, and Floor Drain Details, see Sheet S9.
2. For Parapet and Median Elevation and Details, see Sheet S10.
3. For floor drain locations see Sheet S1.
4. The ℄ of Median Barrier follows the ℄ Prop. Ill. 13 Relocation & P.G.

DESIGNED	KWS
CHECKED	MRB
DRAWN	LM
CHECKED	MRB

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ILLINOIS DEPARTMENT OF TRANSPORTATION
RELOCATED ILLINOIS ROUTE 13 OVER HARRISBURG DITCH
F.A.P. 331 SECTION (8X-1)B

DECK CROSS SECTION

SN: 083-0060
SALINE CO., IL.

STA. 1013+38.50
DATE: FEB 4, 2009

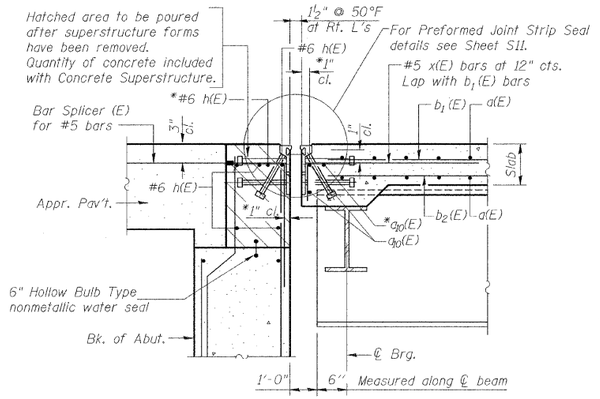
ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 331	(8X-1)B	SALINE CO.	220	126
STA.	TO STA.			
F.H.W.A. REGION		ILLINOIS	PROJECT	

Contract # 78058

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	866	#5	32'-9"	——
a1(E)	396	#5	36'-0"	——
a2(E)	201	#5	26'-6"	——
a3(E)	53	#5	33'-6"	——
a4(E)	37	#5	39'-6"	——
a5(E)	51	#5	38'-6"	——
a6(E)	34	#5	31'-6"	——
a7(E)	62	#5	38'-0"	——
a8(E)	42	#5	38'-0"	——
a9(E)	350	#6	6'-0"	——
a10(E)	16	#5	31'-6"	——
b1(E)	480	#5	34'-0"	——
b2(E)	564	#5	28'-7"	——
b3(E)	186	#6	34'-0"	——
d(E)	354	#5	3'-0"	⌟
d1(E)	354	#5	5'-7"	⌞
d2(E)	354	#5	7'-9"	⌞
d4(E)	177	#5	4'-10"	⌒
e(E)	80	#4	17'-9"	——
e1(E)	144	#4	7'-9"	——
e2(E)	60	#4	18'-2"	——
e3(E)	8	#8	36'-0"	——
e4(E)	16	#8	7'-9"	——
e5(E)	8	#8	30'-3"	——
e6(E)	8	#4	36'-0"	——
e8(E)	8	#4	29'-0"	——
x(E)	180	#5	4'-1"	⌐

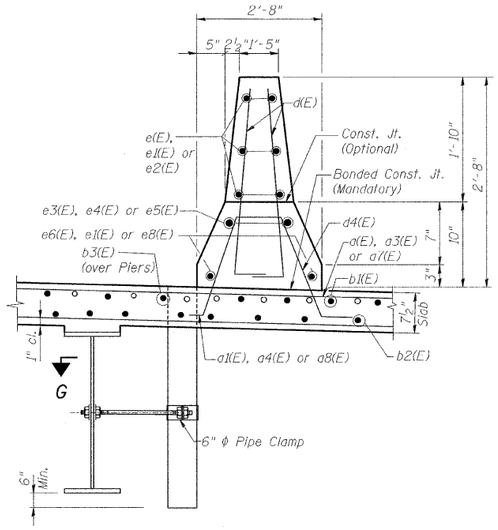
Pay Item	Unit	Total
Floor Drains	Each	16
Concrete Superstructure	Cu. Yd.	447.9
Bridge Deck Grooving	Sq. Yd.	1,513
Protective Coat	Sq. Yd.	1,860
Reinf. Bars, Epoxy Coated	Pound	119,890



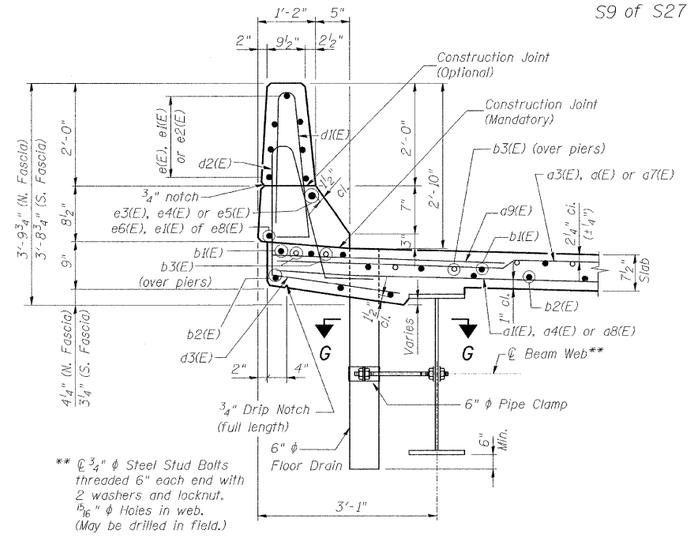
SECTION E-E

(At W. Abut.)

* Place $a_{10}(E)$ and $h_2(E)$ bars in back of anchor bolt as shown if required to maintain 1" clear (+0-½"). Anchor bolts should be tied to $a_{10}(E)$ and $h_2(E)$ bars.

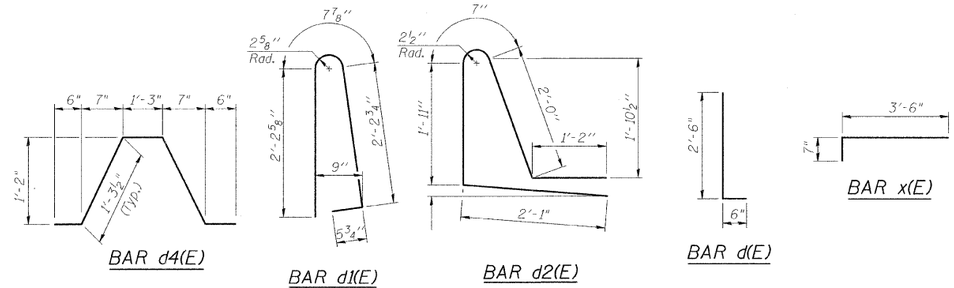


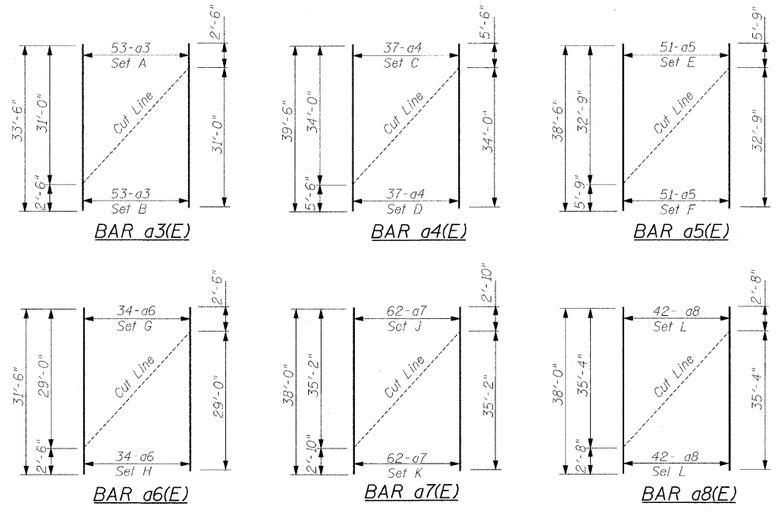
SECTION THRU MEDIAN



** ℄ ¾" ϕ Steel Stud Bolts threaded 6" each end with 2 washers and locknut. 15/16" ϕ Holes in web. (May be drilled in field.)

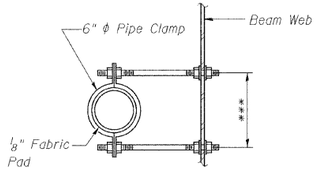
SECTION THRU PARAPET





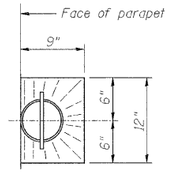
FIELD CUTTING DIAGRAMS

Cut and bundle bars in Sets, as shown. Use one Set at each end of deck. Order a3(E) thru a8(E) full length.

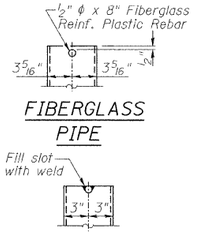


SECTION G-G

*** Dimension as required by Pipe Clamp.

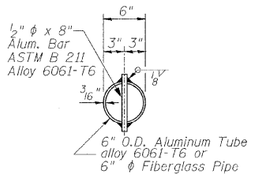


TOP PLAN



FIBERGLASS PIPE

ALUMINUM TUBE



TOP PLAN

(Showing Aluminum Tube)

FLOOR DRAIN DETAILS

Note:
The exterior surfaces of the floor drains shall be painted with the finish coat as specified in the special provisions for Cleaning and Painting New Metal Structures. The exterior surfaces of the drains shall be cleaned according to Steel Structures Painting Council's Spec. SSPC-SP1 prior to painting. Fiberglass pipe shall conform to ASTM D 2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.

DESIGNED	KWS/EJB
CHECKED	MRB
DRAWN	LM
CHECKED	MRB

NOTES:

1. All Bar dimensions are out to out.
2. Work this sheet with Sheets S7, S8 and S10.

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ILLINOIS DEPARTMENT OF TRANSPORTATION
RELOCATED ILLINOIS ROUTE 13 OVER HARRISBURG DITCH
F.A.P. 331 SECTION (8X-1)B

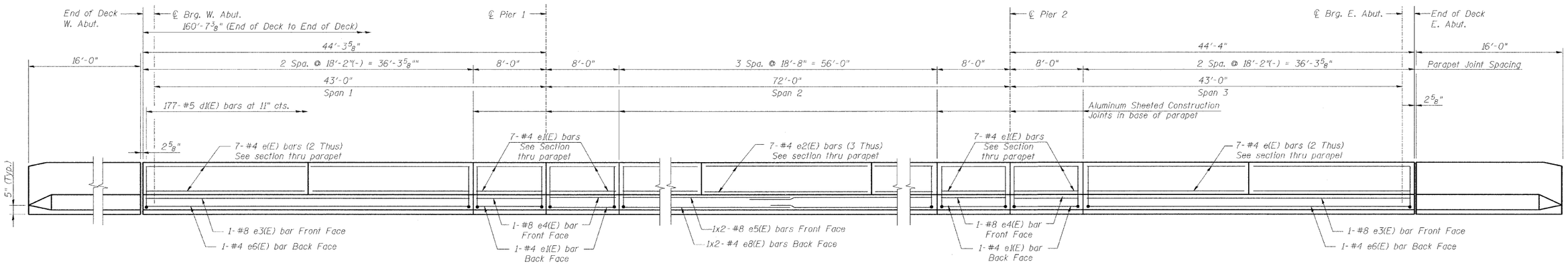
DECK DETAILS

SN: 083-0060
SALINE CO., IL.

STA. 1013+38.50
DATE: FEB 4, 2009

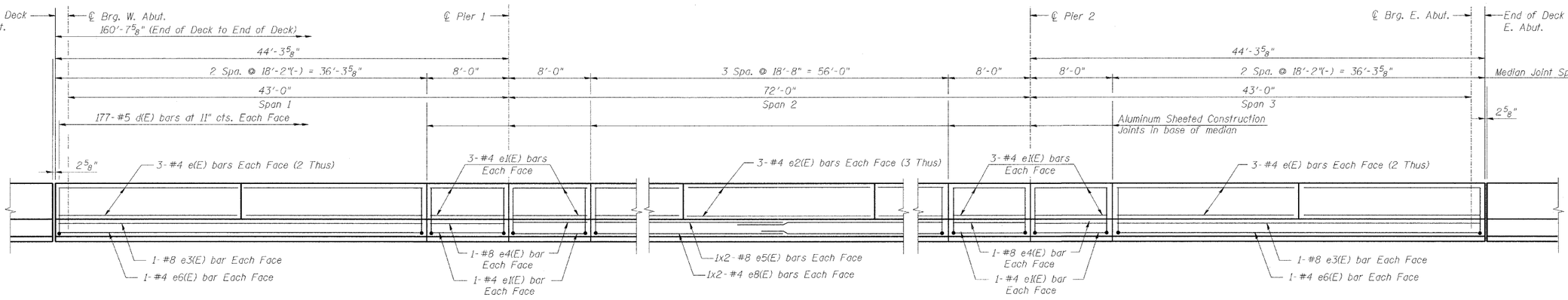
ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 331	(8X-1)B	SALINE CO.	220	127
STA.	TO STA.			
F.H.W.A. REGION		ILLINOIS	PROJECT	

Contract # 78058



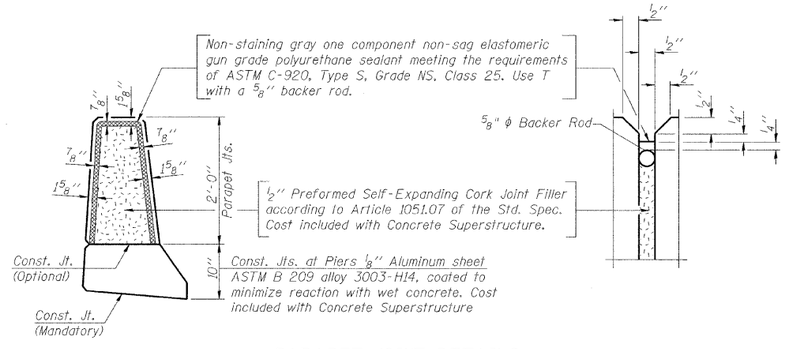
INSIDE ELEVATION OF PARAPET

All dimesions are along toe of parapet
(N. Parapet shown, S. Parapet similar)



ELEVATION OF MEDIAN

All dimesions are along toe of median
projected along the local tangent



PARAPET JOINT DETAILS

(Parapet Joints shown, Median Joint Details similar)

DESIGNED	KWS
CHECKED	MRB
DRAWN	LM
CHECKED	MRB

NOTES:

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Bars indicated thus: 3x2 - #5 etc. indicates 3 lines of #5 bars with 2 lengths per line.
3. Use the following minimum lap lengths unless otherwise noted:
   #4 - 1'-8"
   #5 - 2'-2"
   #6 - 2'-7"
   #8 - 4'-6"
4. For Section thru Parapet and Median see Sheet S9.
5. Work this sheet with Sheets S7, S8, and S9.
6. All e(E) bars shall not pass through aluminum sheets.

ILLINOIS DEPARTMENT OF TRANSPORTATION
RELOCATED ILLINOIS ROUTE 13 OVER
HARRISBURG DITCH
F.A.P. 331 SECTION (8X-1)B

PARAPET AND MEDIAN ELEVATION AND DETAILS

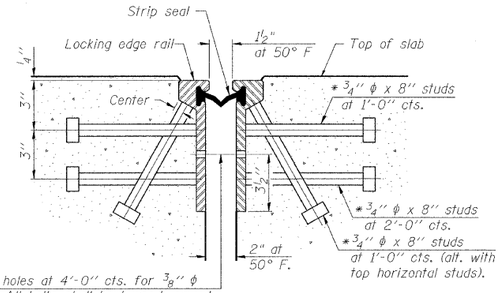
SN: 083-0060
SALINE CO., IL.

STA. 1013+38.50
DATE: FEB 4, 2009

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 331	(8X-1)B	SALINE CO.	220	128
STA.		TO STA.		
F.H.W.A. REGION		ILLINOIS	PROJECT	

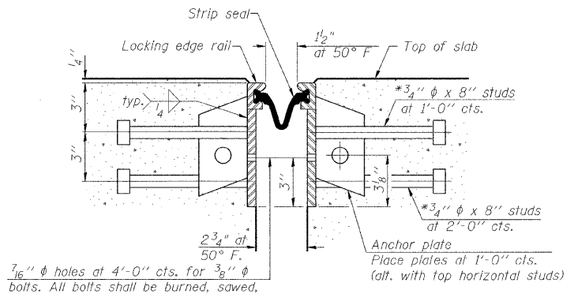
Contract # 78058

* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



7/16" ϕ holes at 4'-0" cts. for ⅜" ϕ bolts. All bolts shall be burned, sawed, or chipped off flush with the plates after forms are removed, typ.

SECTION THRU ROLLED RAIL JOINT



7/16" ϕ holes at 4'-0" cts. for ⅜" ϕ bolts. All bolts shall be burned, sawed, or chipped off flush with the plates after forms are removed, typ.

SECTION THRU WELDED RAIL JOINT

Notes:

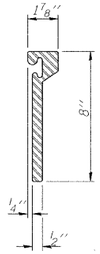
The strip seal shall be made continuous and shall have a minimum thickness of ¼". The configuration of the strip seal shall match the configuration of the Locking Edge Rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.

The height and thickness of the Locking Edge Rails shown are minimum dimensions. The actual configuration of the Locking Edge Rails and matching strip seal may vary from manufacturer to manufacturer. Flanged edge rails will not be allowed. Locking Edge Rails may be spliced at slope discontinuities and stage construction joints.

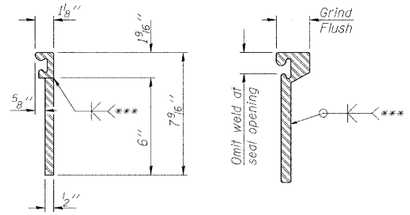
The manufacturer's recommended installation methods shall be followed.

The joint opening and deck dimensions detailed on the superstructure are based on a rolled rail expansion joint. If the Contractor elects to use the welded rail expansion joint, the opening and deck dimensions shall be modified according to the dimensions detailed on this sheet. Required modifications shall be made at no additional cost to the State.

All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.



ROLLED EXTRUDED RAIL

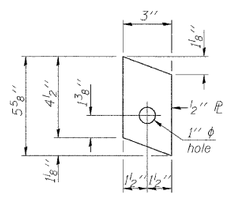


WELDED RAIL

***Back gouge not required if complete joint penetration is verified by mock-up.

LOCKING EDGE RAIL SPLICE

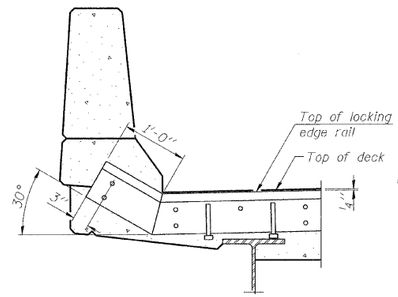
The inside of the locking edge rail groove shall be free of weld residue.



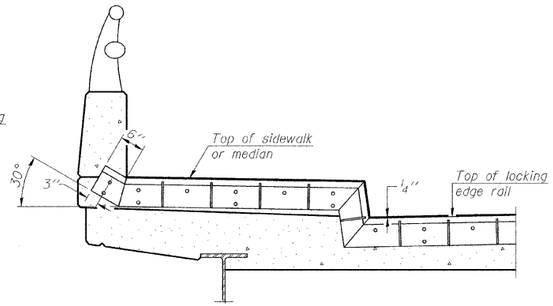
ANCHOR ℄

(for welded rail)

LOCKING EDGE RAILS



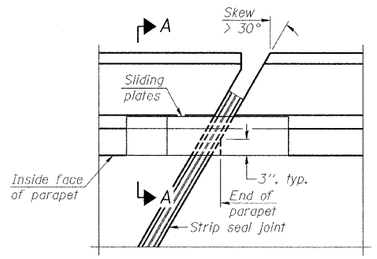
AT PARAPET



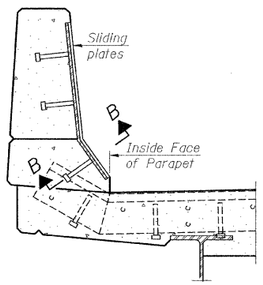
AT SIDEWALK OR MEDIAN

Shorter plates with a single row of studs at 12" cts. may be necessary on medians which are shallower than 9". See manufacturer's recommendation.

TYPICAL END TREATMENTS



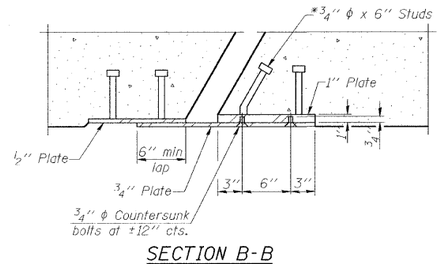
PLAN



SECTION A-A

POINT BLOCK DETAILS

(for skews > 30°)



SECTION B-B

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	242

DESIGNED	AJK
CHECKED	KMP
DRAWN	VH
CHECKED	KMP

EJ-SSJ 10-1-08

ILLINOIS DEPARTMENT OF TRANSPORTATION
RELOCATED ILLINOIS ROUTE 13 OVER HARRISBURG DITCH
F.A.P. 331 SECTION (8X-1)B

PREFORMED JOINT STRIP SEAL

SN: 083-0060
SALINE CO., IL.

STA. 1013+38.50
DATE: FEB 4, 2009

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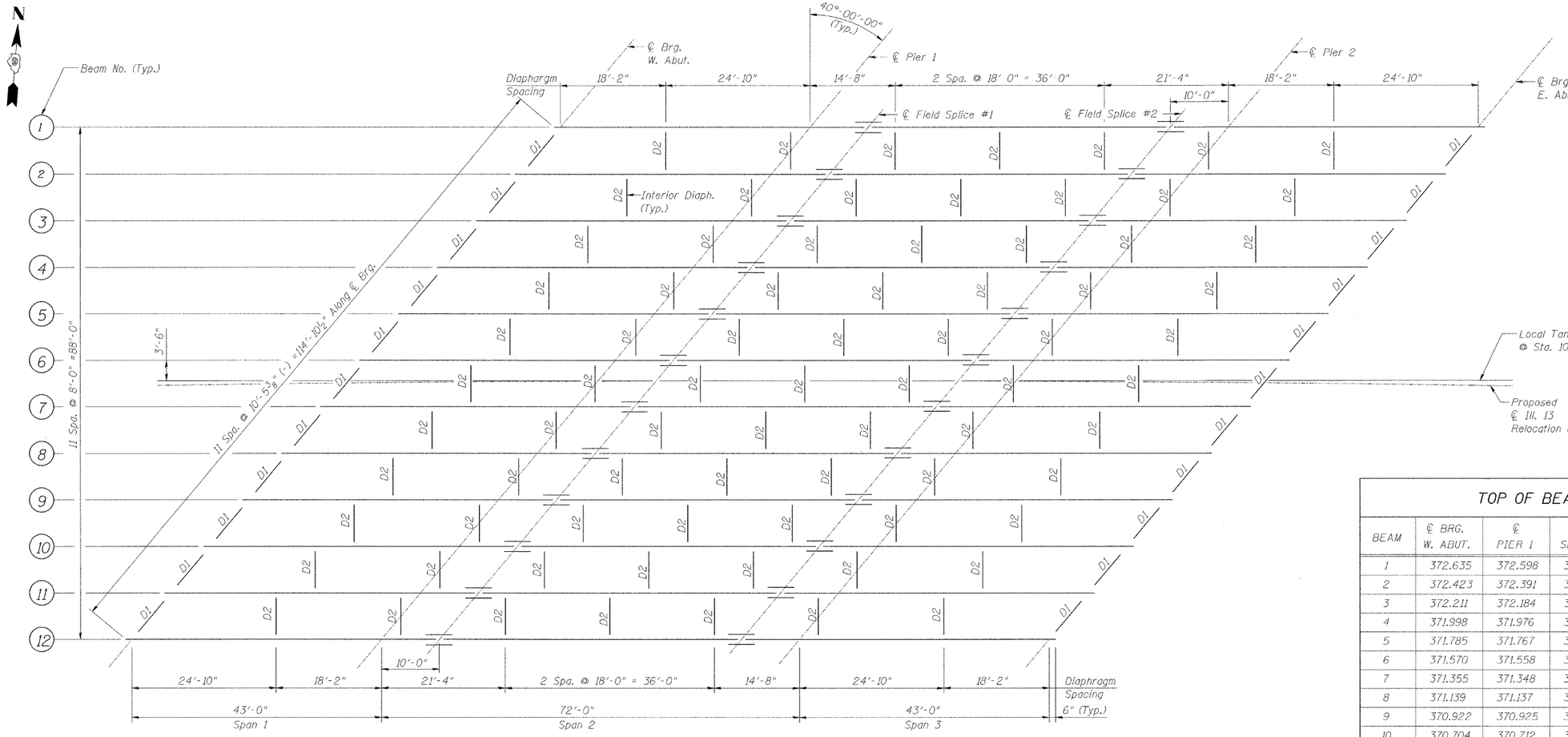
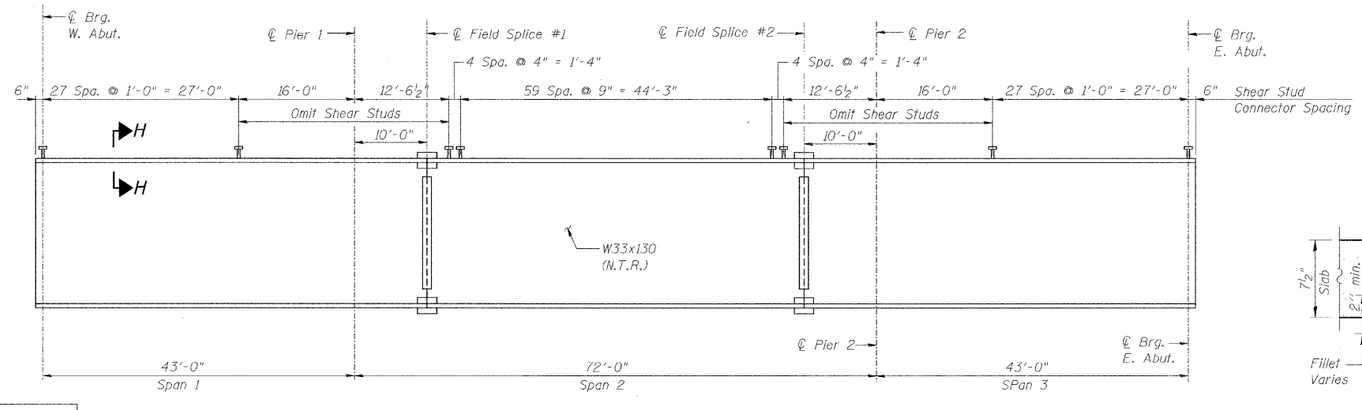
ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 331	(8X-1)B	SALINE CO.	220	129
STA.		TO STA.		
F.H.W.A. REGION		ILLINOIS	PROJECT	

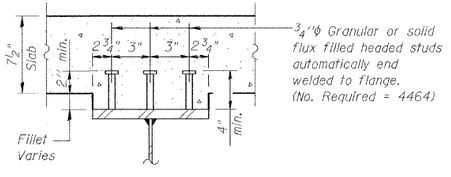
Contract # 78058



FRAMING PLAN



BEAM ELEVATION



3/4"ϕ Granular or solid flux filled headed studs automatically end welded to flange. (No. Required = 4464)

SECTION H-H

TOP OF BEAM ELEVATIONS *

BEAM	℄ BRG. W. ABUT.	℄ PIER 1	℄ SPLICE 1	℄ SPLICE 2	℄ PIER 2	℄ BRG. E. ABUT.
1	372.635	372.598	372.589	372.542	372.533	372.492
2	372.423	372.391	372.384	372.343	372.334	372.298
3	372.211	372.184	372.178	372.143	372.135	372.104
4	371.998	371.976	371.971	371.942	371.936	371.909
5	371.785	371.767	371.764	371.740	371.735	371.713
6	371.570	371.558	371.555	371.538	371.534	371.517
7	371.355	371.348	371.346	371.335	371.332	371.320
8	371.139	371.137	371.136	371.131	371.129	371.122
9	370.922	370.925	370.926	370.926	370.925	370.923
10	370.704	370.712	370.714	370.721	370.721	370.724
11	370.485	370.499	370.502	370.514	370.516	370.524
12	370.266	370.284	370.289	370.307	370.310	370.323

* For Fabrication use only.

NOTES:

1. All W33x130 beams and all Splice plates shall be AASHTO M 270 GR 50.
2. For Structural Steel details see Sheet S13.
3. For Bearing Details see Sheet S14.
4. "N.T.R." denotes beams and plates to which notch toughness requirements are applicable.

DESIGNED	KWS/EJB
CHECKED	TL
DRAWN	LM
CHECKED	MRB

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JOB NO. 3526

ILLINOIS DEPARTMENT OF TRANSPORTATION
RELOCATED ILLINOIS ROUTE 13 OVER HARRISBURG DITCH
F.A.P. 331 SECTION (8X-1)B

FRAMING PLAN AND BEAM ELEVATION

SN: 083-0060
SALINE CO., IL.

STA. 1013+38.50
DATE: FEB 4, 2009

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 331	(8X-1)B	SALINE CO.	220	130
STA.	TO STA.			
F.H.W.A. REGION	ILLINOIS	PROJECT		

Contract # 78058

INTERIOR BEAM MOMENT TABLE				
		0.4 Span 1 or 0.6 Span 3	Pier 1 or Pier 2	0.5 Span 2
Is	(in^4)	6710	6710	6710
Ic (n)	(in^4)	-----	-----	17689
Ic (3n)	(in^4)	-----	-----	12985
Ss	(in^3)	406	406	406
Sc (n)	(in^3)	-----	-----	592
Sc (3n)	(in^3)	-----	-----	536
Z	(in^3)	467	-----	-----
M_D	(k/ft)	1.438	1.438	0.918
M_D	(k-ft)	115	502	251
S_D	(k/ft)	-----	-----	0.520
M_S $_D$	(k-ft)	-----	-----	170
M_L	(k-ft)	291	260	542
M (Imp)	(k-ft)	87	71	138
$\frac{5}{3}[M_L + M(Imp)]$	(k-ft)	629	552	1133
Mu	(k-ft)	1854	-----	2735
Ma	(k-ft)	968	1370	2021
fs M_D (non-comp)	(ksi)	3.4	14.9	7.4
fs M_D (composite)	(ksi)	-----	-----	3.8
fs $\frac{5}{3}(M_L + M_{Imp})$	(ksi)	18.6	16.3	23.0
fs (Overload)	(ksi)	22.0	31.2	34.2
fs (Total)	(ksi)	-----	40.5	-----
VR	(k)	65.6	-----	68.2

INTERIOR BEAM REACTION TABLE (LFD)				
		West Abutment	Pier 1 or 2	East Abutment
R D	(k)	19.8	93.6	19.8
R L	(k)	43.5	54.2	43.5
Imp.	(k)	12.9	11.4	12.9
R (Total)	(k)	76.2	159.2	76.2

Is and Ss are the moment of inertia and section modulus of the steel section used in computing fs (Total & Overload).

Ic(n) and Sc(n) are the moment of inertia and section modulus of the composite section used in computing stresses due to live load.

Ic(3n) and Sc(3n) are the moment of inertia and section modulus of the composite section used in computing stresses due to superimposed dead loads (See AASHTO 10.38).

VR is the maximum Live Load + Impact shear range in span.

Z is the plastic section modulus used to determine the fully plastic moments in the non-composite areas.

The Plastic Moment Capacity (Mu) is computed according to AASHTO 10.48.1 & 10.50.1.1

Ma (Applied Moment) = 1.3 [M D + Ms D + 5/3(M L + M(Imp))].

fs (Overload) is the sum of the stresses due to

M D + Ms D + 5/3(M L + M(Imp)).

fs (Total) is the sum of the stresses due to 1.3 [M D + Ms D + 5/3(M L + M(Imp))].

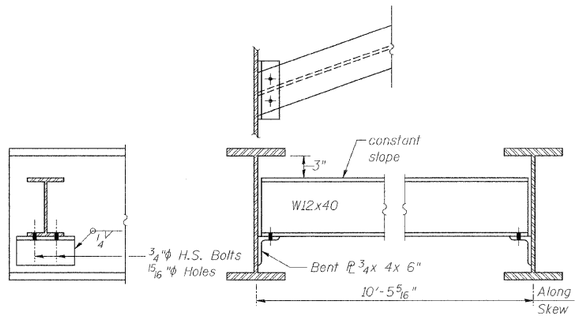
M D - Moment due to dead loads on non-composite section.

MS D - Moment due to dead loads on composite section.

M L - Moment due to live load on non-composite or composite section.

M (Imp) - Moment due to live load impact on non-composite or composite section.

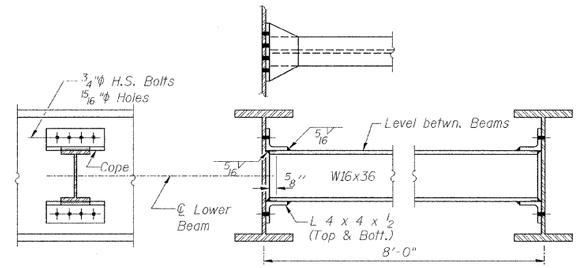
DESIGNED	KWS/EJB
CHECKED	TL/MRB
DRAWN	LM
CHECKED	MRB



END DIAPHRAGM D1

D1 - 22 Required

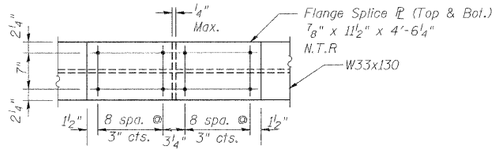
Note:
Two hardened washers shall be required over all oversize holes for diaphragms.



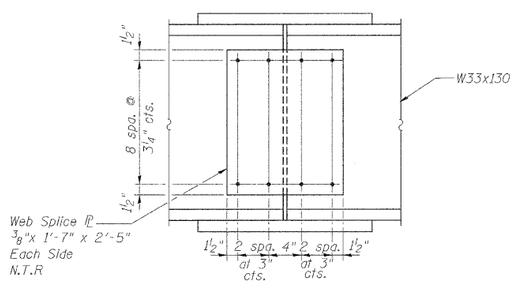
INTERIOR DIAPHRAGM D2

D2 - 77 Required

Note:
Two hardened washers shall be required over all oversize holes for diaphragms.



FLANGE SPLICE



WEB SPLICE

DETAIL OF SPLICE #1 AND #2

(All splice bolts shall be 7/8"ϕ H.S. Bolts with 15/16"ϕ holes.)

BILL OF MATERIAL

Pay Item	Unit	Total
Furnishing and Erecting Structural Steel	L.Sum	1
Stud Shear Connectors	Each	4,464

NOTES:

1. All structural steel shall be AASHTO M 270 GRADE 50.
2. "N.T.R." denotes beams and plates to which notch toughness requirements are applicable.

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ILLINOIS DEPARTMENT OF TRANSPORTATION
RELOCATED ILLINOIS ROUTE 13 OVER
HARRISBURG DITCH
F.A.P. 331 SECTION (8X-1)B

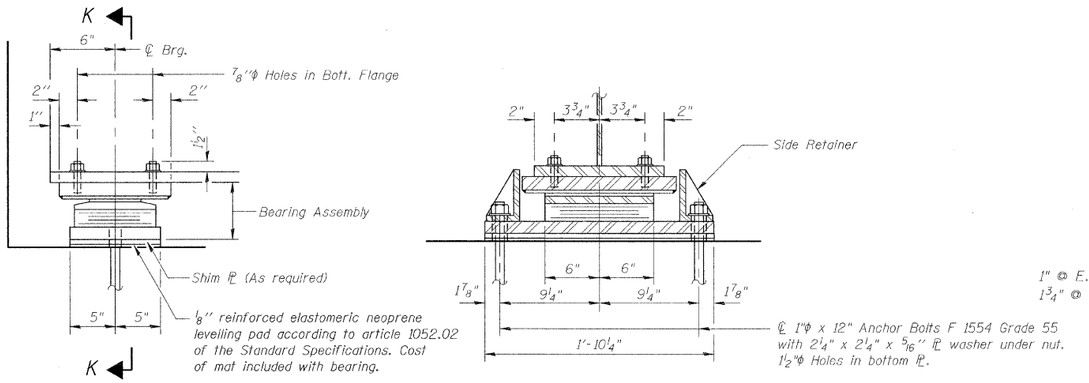
STRUCTURAL STEEL DETAILS

SN: 083-0060
SALINE CO., IL.

STA. 1013+38.50
DATE: FEB 4, 2009

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 331	(8X-1)B	SALINE CO.	220	131
STA.	TO STA.			
F.H.W.A. REGION	ILLINOIS	PROJECT		

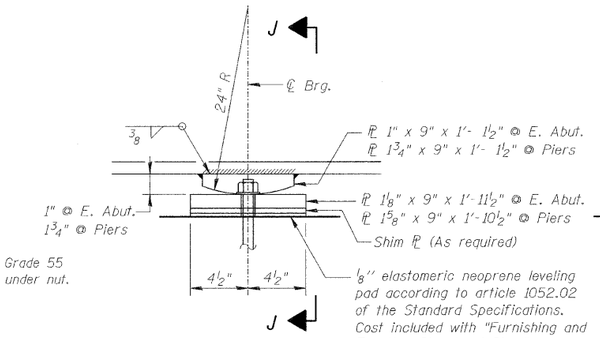
Contract # 78058



ELEVATION AT W. ABUT.

SECTION K-K

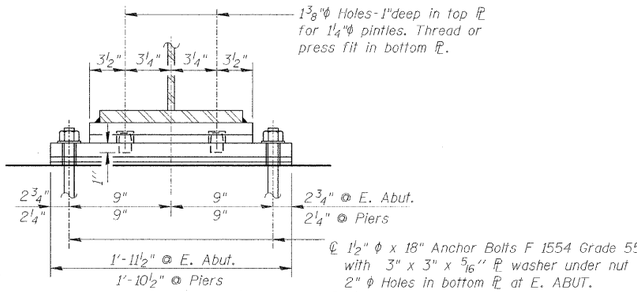
TYPE II ELASTOMERIC EXP. BRG.



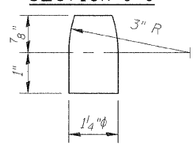
ELEVATION

FIXED BEARING

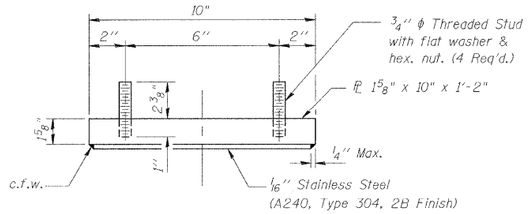
(At Piers & E. Abut.)
Cost of Fixed Bearings included with "Furnishing and Erecting Structural Steel".



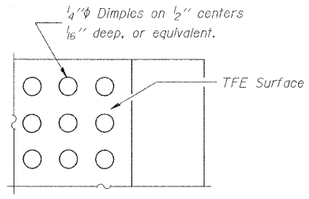
SECTION J-J



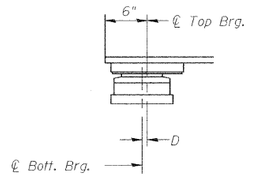
PINTLE



TOP BEARING ASSEMBLY

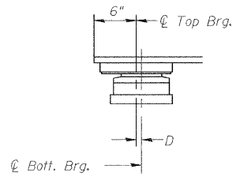


PLAN-TFE SURFACE



BELOW 50°F.

(Move bott. brg. away from fixed brg.)



ABOVE 50°F.

(Move bott. brg. toward fixed brg.)

SETTING ANCHOR BOLTS AT EXP. BRG.

D=1/8" per each 100' of expansion for every 15° temp. change from the normal temp. of 50°F.

BILL OF MATERIAL

Pay Item	Unit	Total
Elastomeric Bearing Assembly Type II	Each	12
Anchor Bolts 1" Dia.	Each	24
Anchor Bolts 1 1/4" Dia.	Each	48
Anchor Bolts 1 1/2" Dia.	Each	24

NOTES:

Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.

Anchor bolts at fixed bearings may be either cast in place or installed in holes drilled after the supported member is in place.

Anchor bolts for Type II bearings shall be placed in holes drilled in the concrete through holes in the bottom bearing plate after members are in place. Side retainers shall be placed after bolts are installed.

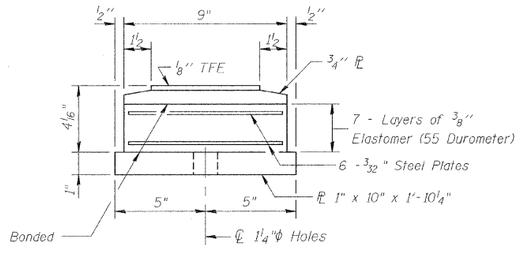
Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.

Side retainers and other steel members required for the bearing assembly shall be included in the cost of Elastomeric Bearing Assembly, Type II.

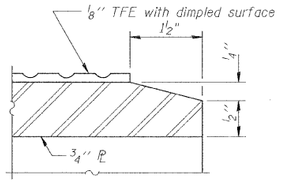
The 1/8" PTFE sheet shall be bonded directly to the top steel plate with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification MMM-A-134, Type I. The bond agent shall be applied on the full area of the contact surfaces.

Bonding of 1/8" PTFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.

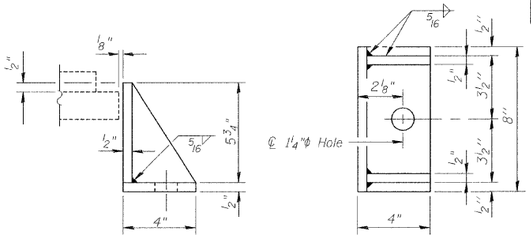
The structural steel plates of the Bearing Assemblies Pintles and retainers shall conform to the requirements of AASHTO M270 Grade 50.



BOTTOM BEARING ASSEMBLY



SECTION THRU TFE



SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates. Weight included with Structural Steel.

DESIGNED	EJB
CHECKED	WJZ
DRAWN	LM
CHECKED	WJZ

Note:
The 1/8" TFE sheet shall be bonded directly to the top steel plate with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification MMM-A-134, Type I. The bond agent shall be applied on the full area of the contact surfaces.

Bonding of 1/8" TFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.

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JOB NO. 3526

ILLINOIS DEPARTMENT OF TRANSPORTATION
RELOCATED ILLINOIS ROUTE 13 OVER HARRISBURG DITCH
F.A.P. 331 SECTION (8X-1)B

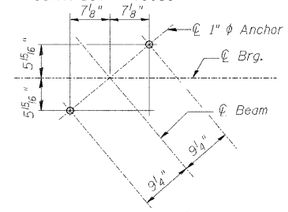
BEARING DETAILS

SN: 083-0060
SALINE CO., IL.

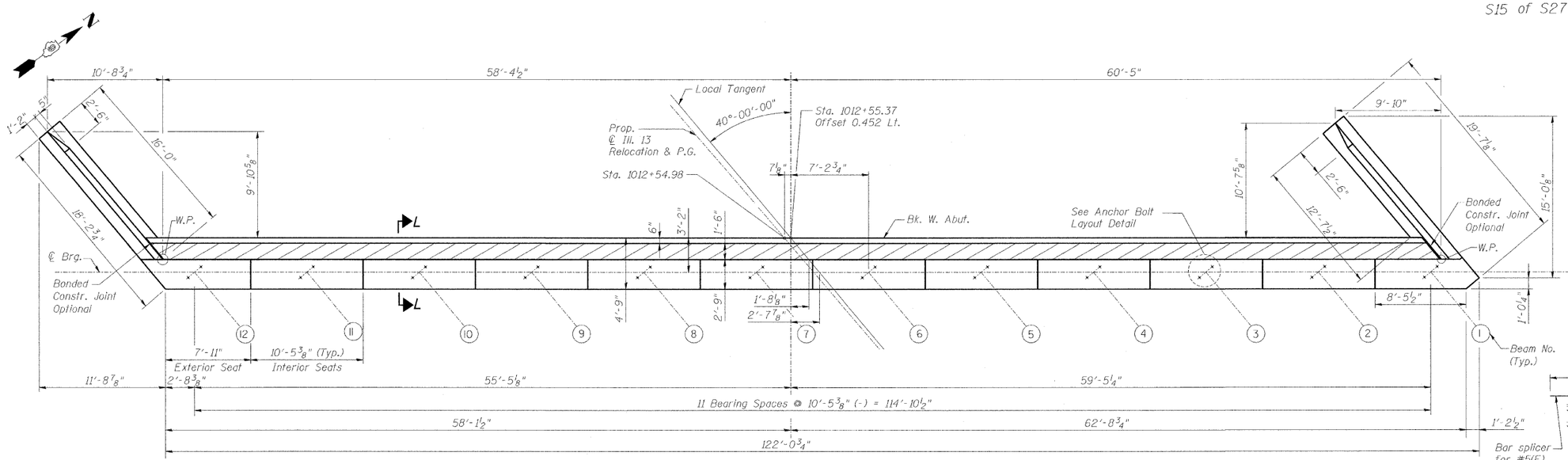
STA. 1013+38.50
DATE: FEB 4, 2009

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 331	(8X-1)B	SALINE CO.	220	132
STA.		TO STA.		
F.H.W.A. REGION		ILLINOIS	PROJECT	

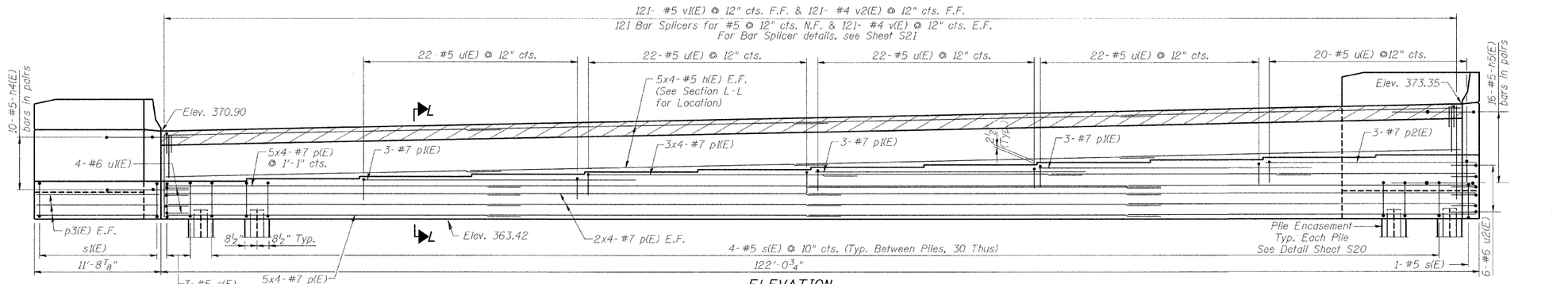
Contract # 78058



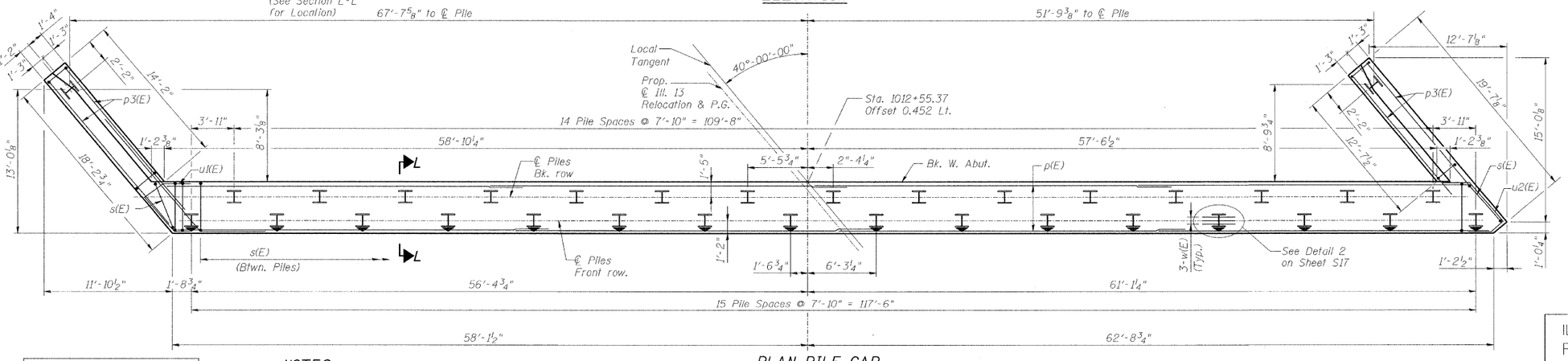
ANCHOR BOLT LAYOUT



TOP PLAN



ELEVATION



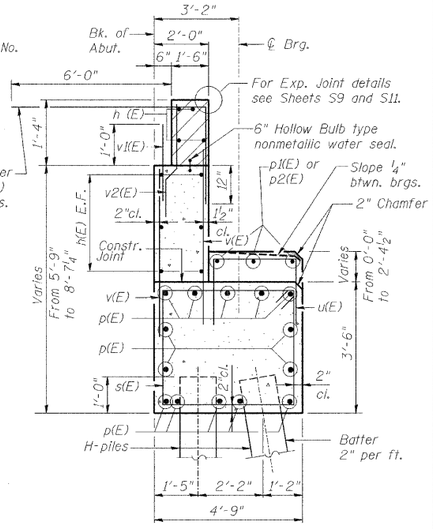
PLAN-PILE CAP

BEAM SEAT ELEVATION

Bm.	Elevation
1	369.29
2	369.08
3	368.87
4	368.66
5	368.44
6	368.23
7	368.01
8	367.80
9	367.58
10	367.36
11	367.14
12	366.92

PILE DATA

Type: HP14x73
Nominal Required Bearing: 576 kips
Allowable Resistance Available: 192 kips
Est. Length: 70 ft.
No. Production Piles: 32
No. Test Piles: 1



SEC. L-L THRU ABUT.

BEAM SEAT ELEVATION

PILE DATA

PLAN-PILE CAP

DESIGNED	RJW
CHECKED	WJZ
DRAWN	LM
CHECKED	HMA

NOTES:

1. Space reinforcement bars in cap to miss Anchor
2. For Wingwall Elevation and Details see Sheet S16.
3. ↧ Indicates Battered Pile.
4. Pour Steps monolithically with cap.
5. Bars Indicated thus: 5x4- #7 etc., indicates 5 lines of #7 bars with 4 lengths per line.
6. E.F. denotes each face.-F.F. denotes far face.-N.F. denotes near face.
7. Hatched area to be poured after superstructure forms have been removed. Quantity of concrete included with Concrete Superstructure.
8. Use the following minimum lap lengths unless otherwise noted: #4 - 1'-8", #5 - 2'-2", #6 - 2'-8", and #7 - 4'-10".

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ILLINOIS DEPARTMENT OF TRANSPORTATION
RELOCATED ILLINOIS ROUTE 13 OVER HARRISBURG DITCH
F.A.P. 331 SECTION (8X-1)B

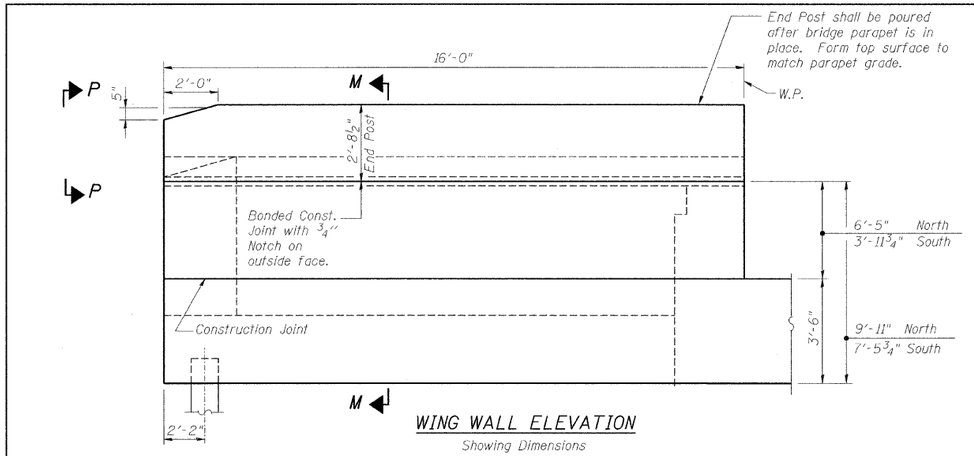
WEST ABUTMENT PLAN AND ELEVATION

SN: 083-0060
SALINE CO., IL.

STA. 1013+38.50
DATE: FEB 4, 2009

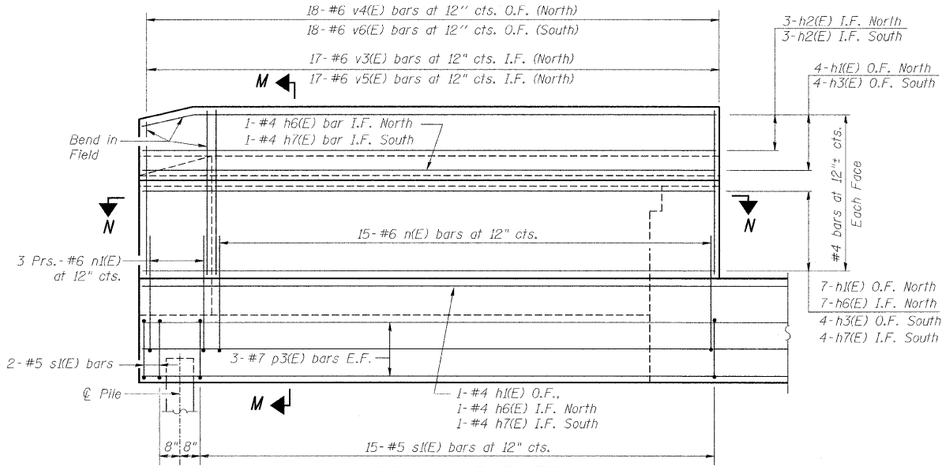
ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 331	(8X-1)B	SALINE CO.	220	133
STA.		TO STA.		
F.H.W.A. REGION		ILLINOIS	PROJECT	

Contract # 78058



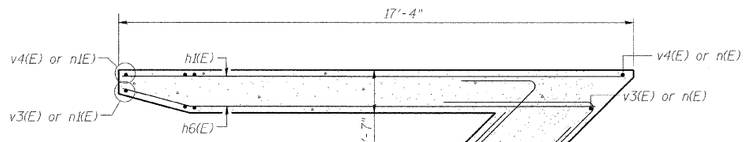
WING WALL ELEVATION

Showing Dimensions

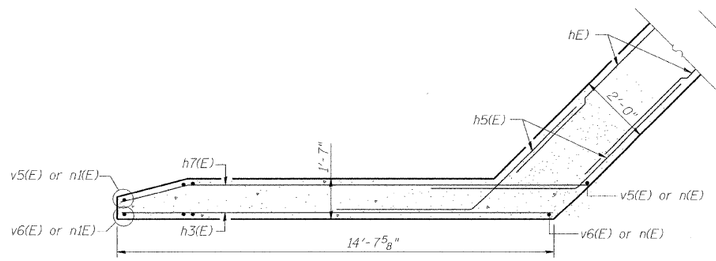


WING WALL ELEVATION

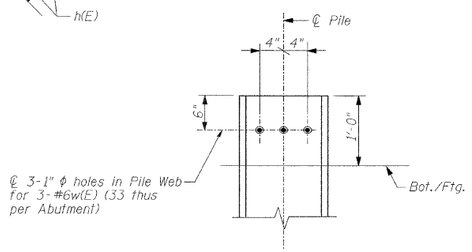
Showing Reinforcement



North Wing Wall

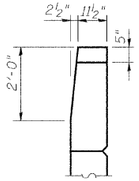


South Wing Wall

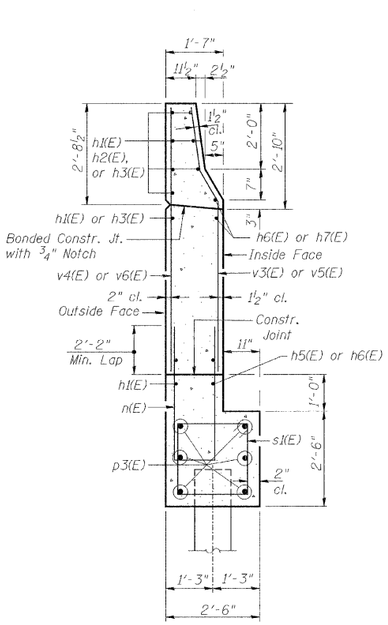


SECTION N-N

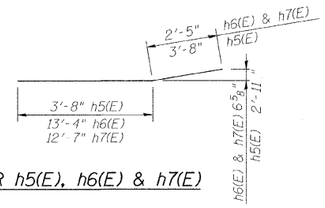
DETAIL 2



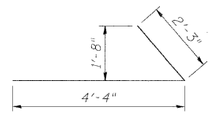
VIEW P-P



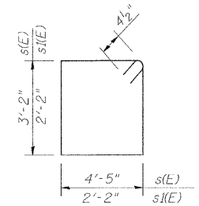
SEC. M-M



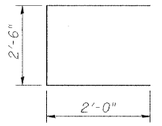
BAR h5(E), h6(E) & h7(E)



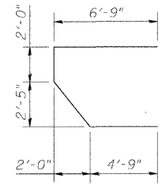
BAR h4 (E)



BARS s(E) & s1(E)



BAR u(E)



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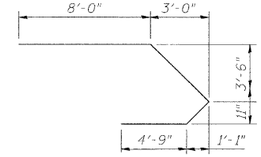
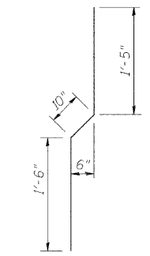


BAR u2(E)



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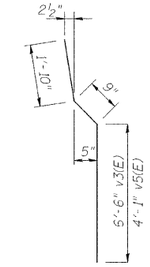
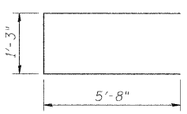
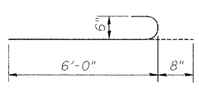


BAR v3(E) and v5(E)



BAR n(E)



BAR n1 (E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	44	#5	32'-0"	——
h1(E)	13	#4	17'-0"	——
h2(E)	6	#4	15'-8"	——
h3(E)	8	#4	14'-4"	——
h4(E)	10	#5	7'-4"	——
h5(E)	16	#5	6'-7"	——
h6(E)	9	#4	15'-9"	——
h7(E)	6	#4	15'-0"	——
n(E)	30	#6	12'-7"	——
n1(E)	12	#6	6'-8"	——
p(E)	56	#7	34'-2"	——
p1(E)	21	#7	24'-0"	——
p2(E)	3	#7	18'-9"	——
p3(E)	12	#7	17'-0"	——
s(E)	124	#5	16'-0"	——
s1(E)	34	#5	9'-6"	——
u(E)	108	#5	6'-6"	——
u1(E)	4	#6	16'-8"	——
u2(E)	6	#6	18'-9"	——
v(E)	242	#4	5'-6"	——
v1(E)	121	#5	2'-6"	——
v2(E)	121	#4	3'-9"	——
v3(E)	17	#6	9'-1"	——
v4(E)	18	#6	9'-0"	——
v5(E)	17	#6	6'-8"	——
v6(E)	18	#6	6'-6"	——
w(E)	99	#6	3'-0"	——

Pay Item	Unit	Total
Porous Granular Emb., Special	Cu. Yd.	241
Structure Excavation	Cu. Yd.	128
Concrete Structures	Cu. Yd.	147
Reinf. Bars, Epoxy Coated	Pound	14,440
Furn. Steel Piles HP14x73	Foot	2,240
Driving Piles	Foot	2,240
Test Pile Steel HP14x73	Each	1
Concrete Sealer	Sq. Ft.	1421
Concrete Encasement	Cu. Yd.	18
Pipe Und. for Struct. 4"	Foot	144
Geocomposite Wall Drain	Sq. Yd.	120

NOTES:

1. Quantity of concrete in end post included with Concrete Superstructure on Sheet S9.
2. I.F. denotes inside face.
   O.F. denotes outside face.
   E.F. denotes each face.

DESIGNED	RJW
CHECKED	WJZ
DRAWN	LM
CHECKED	HMA

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Engineers • Surveyors • Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450
JOB NO. 3526

ILLINOIS DEPARTMENT OF TRANSPORTATION
RELOCATED ILLINOIS ROUTE 13 OVER
HARRISBURG DITCH
F.A.P. 331 SECTION (8X-1)B

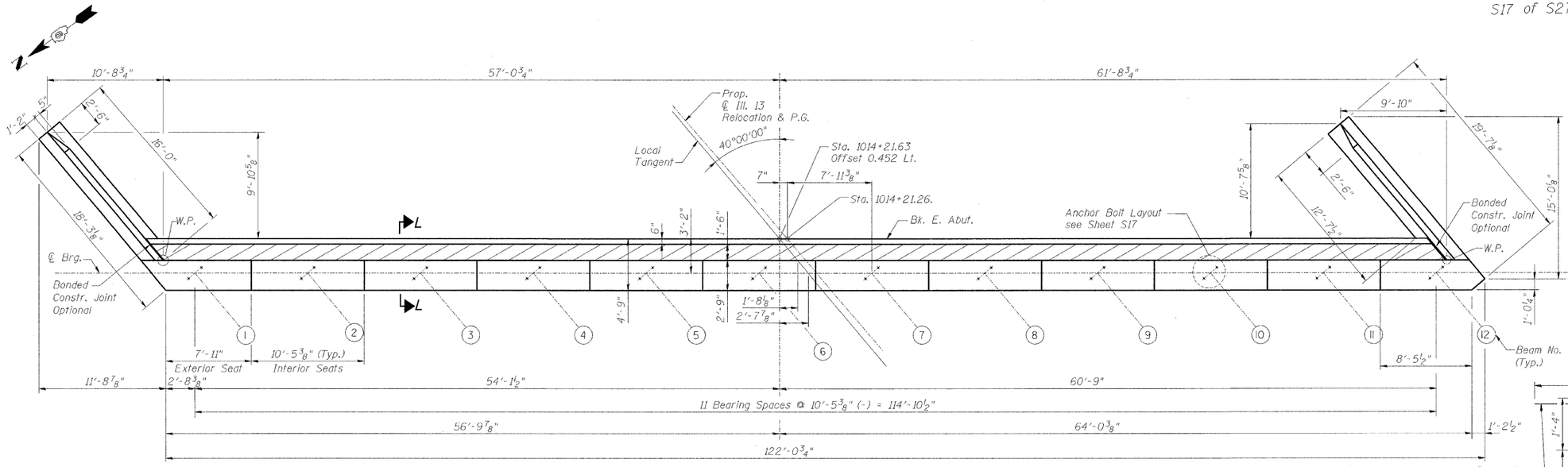
WEST ABUTMENT WINGWALLS AND DETAILS

SN: 083-0060
SALINE CO., IL.

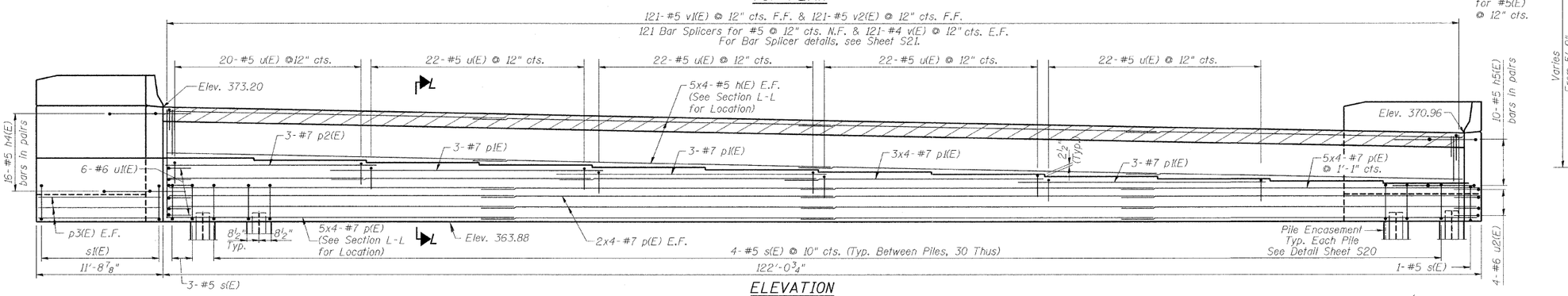
STA. 1013+38.50
DATE: FEB 4, 2009

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 331	(8X-1)B	SALINE CO.	220	134
STA.		TO STA.		
F.H.W.A. REGION		ILLINOIS	PROJECT	

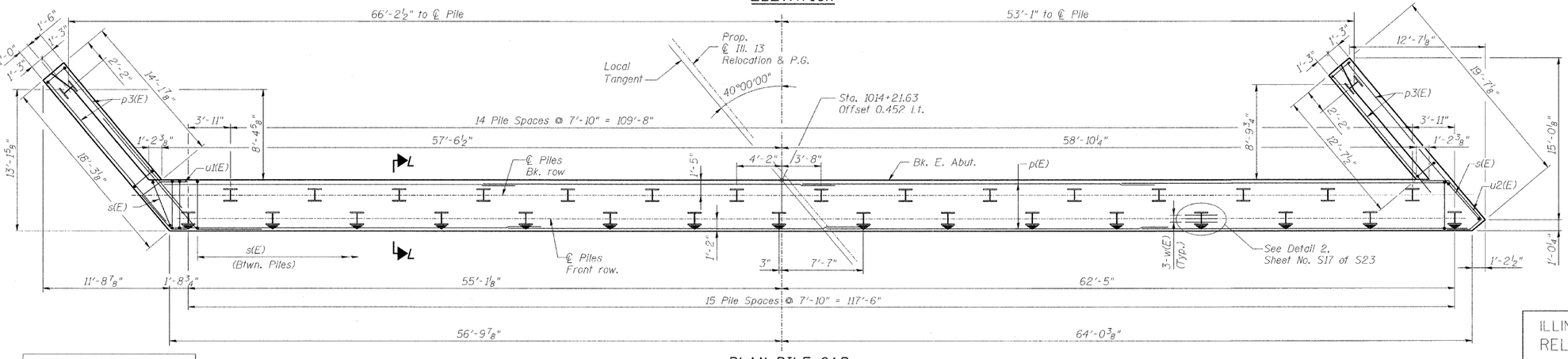
Contract # 78058



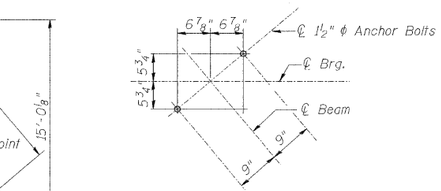
TOP PLAN



ELEVATION

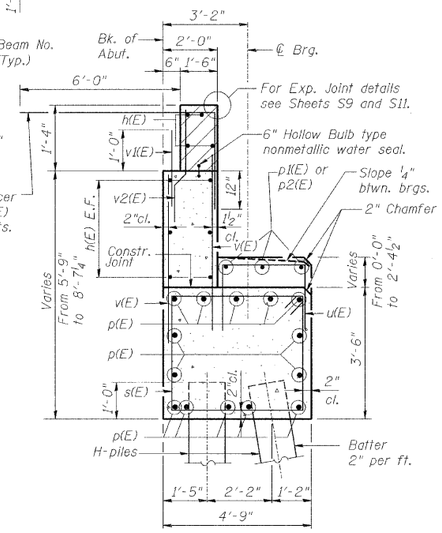


PLAN-PILE CAP



ANCHOR BOLT LAYOUT

E. Abutment



SEC. L-L THRU ABUT.

BEAM SEAT ELEVATION

Bm.	Elevation
1	369.55
2	369.35
3	369.16
4	368.96
5	368.77
6	368.57
7	368.37
8	368.18
9	367.98
10	367.78
11	367.58
12	367.38

PILE DATA

Type: HP14x73
Nominal Required Bearing: 576 kips
Allowable Resistance Available: 192 kips
Est. Length: 70 ft.
No. Production Piles: 32
No. Test Piles: 1

DESIGNED	RJW
CHECKED	WJZ
DRAWN	LM
CHECKED	HMA

NOTES:

1. Space reinforcement bars in cap to miss Anchor
2. For Wingwall Elevation and Details see Sheet S18.
3. ⏚ Indicates Battered Pile.
4. Pour Steps monolithically with cap.
5. Bars Indicated thus: 5x4-#7 etc., indicates 5 lines of #7 bars with 4 lengths per line.
6. E.F. denotes each face. F.F. denotes far face. N.F. denotes near face.
7. Hatched area to be poured after superstructure forms have been removed. Quantity of concrete included with Concrete Superstructure.
8. Use the following minimum lap lengths unless otherwise noted: #4 - 1'-8", #5 - 2'-2", #6 - 2'-8", and #7 - 4'-10".

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ILLINOIS DEPARTMENT OF TRANSPORTATION
RELOCATED ILLINOIS ROUTE 13 OVER HARRISBURG DITCH
F.A.P. 331 SECTION (8X-1)B

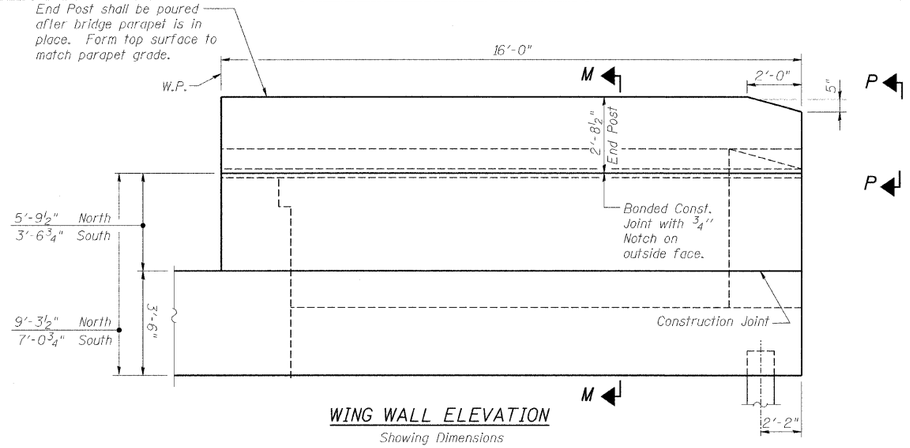
EAST ABUTMENT PLAN AND ELEVATION

SN: 083-0060
SALINE CO., IL.

STA. 1013+38.50
DATE: FEB 4, 2009

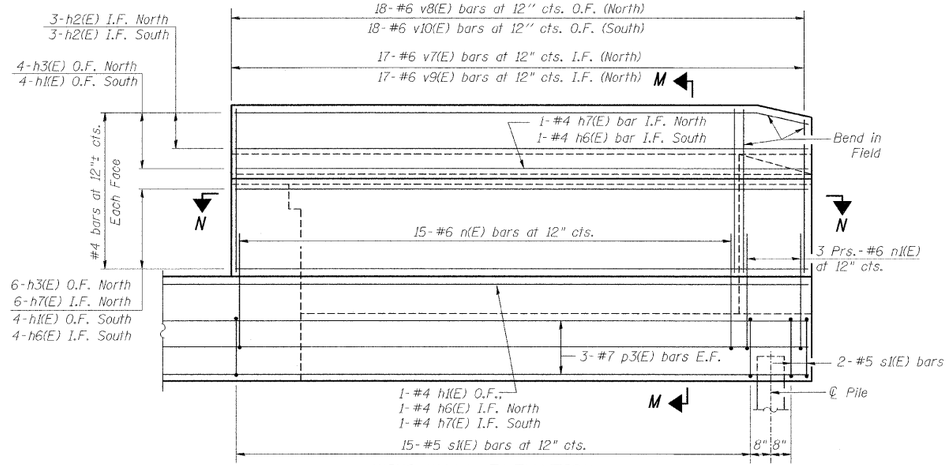
ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 331	(8X-1)B	SALINE CO.	220	135
STA.	TO STA.			
F.H.W.A. REGION	ILLINOIS	PROJECT		

Contract # 78058



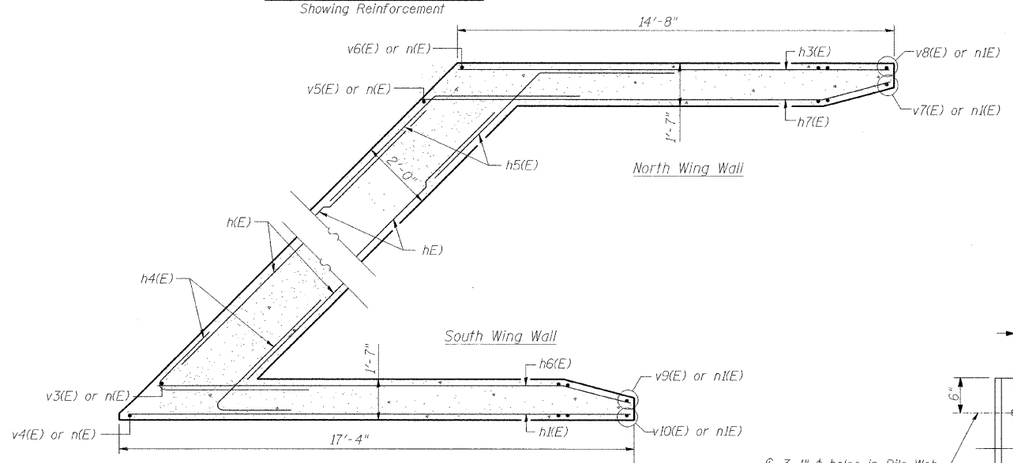
WING WALL ELEVATION

Showing Dimensions

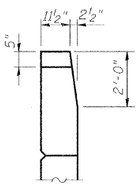


WING WALL ELEVATION

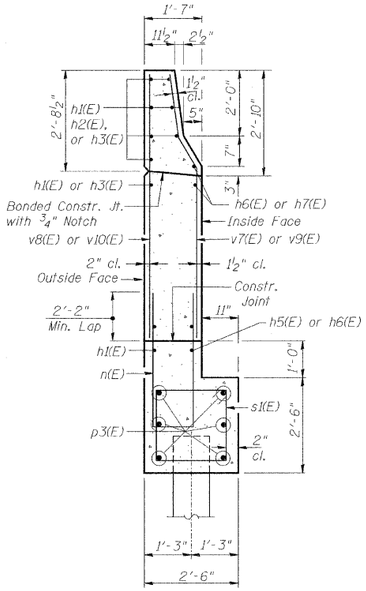
Showing Reinforcement



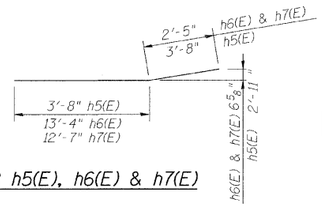
SECTION N-N



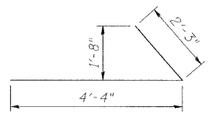
VIEW P-P



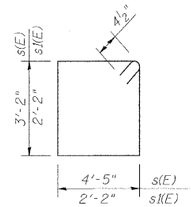
SEC. M-M



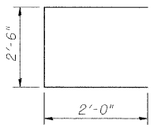
BAR h5(E), h6(E) & h7(E)



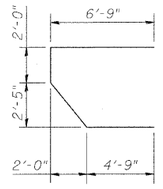
BAR h4 (E)



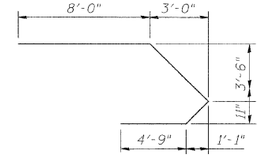
BARS s(E) & s1(E)



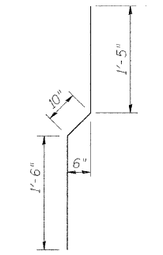
BAR u(E)



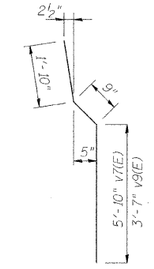
BAR u1(E)



BAR u2(E)



BAR v2(E)



BAR v7(E) and v9(E)

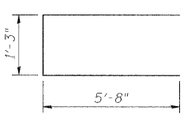
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	40	#5	32'-0"	—
h1(E)	10	#4	17'-0"	—
h2(E)	6	#4	15'-8"	—
h3(E)	10	#4	14'-4"	—
h4(E)	10	#5	7'-4"	⟋
h5(E)	16	#5	6'-7"	⟋
h6(E)	6	#4	15'-9"	⟋
h7(E)	8	#4	15'-0"	⟋
n(E)	30	#6	12'-7"	⊏
n1(E)	12	#6	6'-8"	⊂
p(E)	56	#7	34'-2"	—
p1(E)	21	#7	24'-0"	—
p2(E)	3	#7	18'-9"	—
p3(E)	12	#7	17'-0"	—
s(E)	124	#5	16'-0"	□
s1(E)	34	#5	9'-6"	□
u(E)	108	#5	6'-6"	⊏
u1(E)	6	#6	16'-8"	⊏
u2(E)	4	#6	18'-9"	⊐
v(E)	242	#4	5'-6"	—
v1(E)	121	#5	2'-6"	—
v2(E)	121	#4	3'-9"	⟍
v7(E)	17	#6	8'-5"	⟍
v8(E)	18	#6	8'-4"	—
v9(E)	17	#6	6'-2"	⟍
v10(E)	18	#6	6'-0"	—
w(E)	99	#6	3'-0"	—

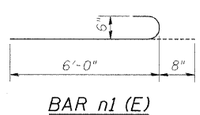
Pay Item	Unit	Total
Porous Granular Emb., Special	Cu. Yd.	217
Structure Excavation	Cu. Yd.	129
Concrete Structures	Cu. Yd.	148
Reinf. Bars, Epoxy Coated	Pound	14,220
Furn. Steel Piles HP14x73	Foot	2,240
Driving Piles	Foot	2,240
Test Pile Steel HP14x73	Each	1
Concrete Sealer	Sq. Ft.	1357
Concrete Encasement	Cu. Yd.	18
Pipe Und. for Struct. 4"	Foot	144
Geocomposite Wall Drain	Sq. Yd.	113

NOTES:

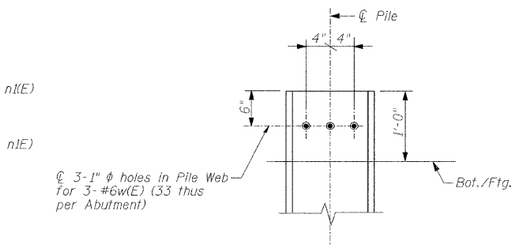
1. Quantity of concrete in end post included with Concrete Superstructure on Sheet S9.
2. I.F. denotes inside face.
   O.F. denotes outside face.
   E.F. denotes each face.



BAR n(E)



BAR n1 (E)



DETAIL 2

DESIGNED	RJW
CHECKED	WJZ
DRAWN	LM
CHECKED	HMA

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alfred benesch & company
Engineers • Surveyors • Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450
JOB NO. 3526

ILLINOIS DEPARTMENT OF TRANSPORTATION
RELOCATED ILLINOIS ROUTE 13 OVER HARRISBURG DITCH
F.A.P. 331 SECTION (8X-1)B

EAST ABUTMENT WINGWALLS AND DETAILS

SN: 083-0060
SALINE CO., IL.

STA. 1013+38.50
DATE: FEB 4, 2009

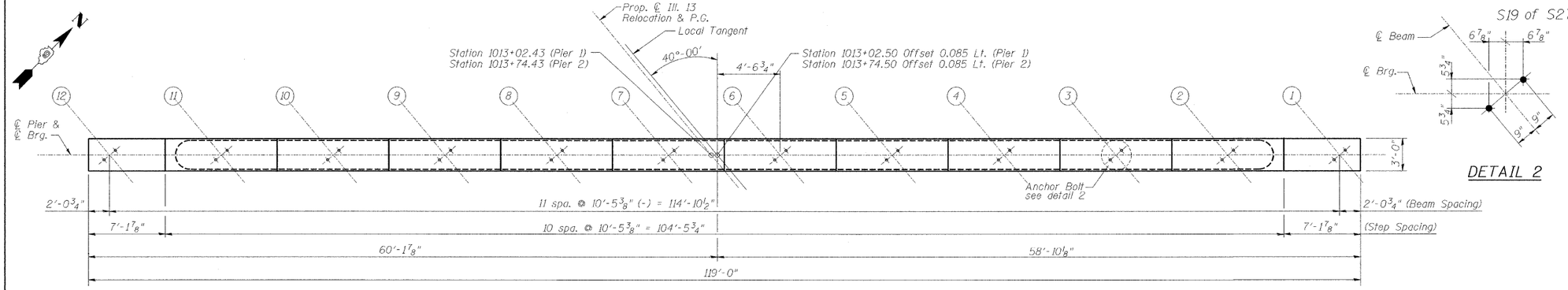
ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 331	(8X-1)B	SALINE CO.	220	136
STA.		TO STA.		
F.H.W.A. REGION		ILLINOIS	PROJECT	

Contract # 78058

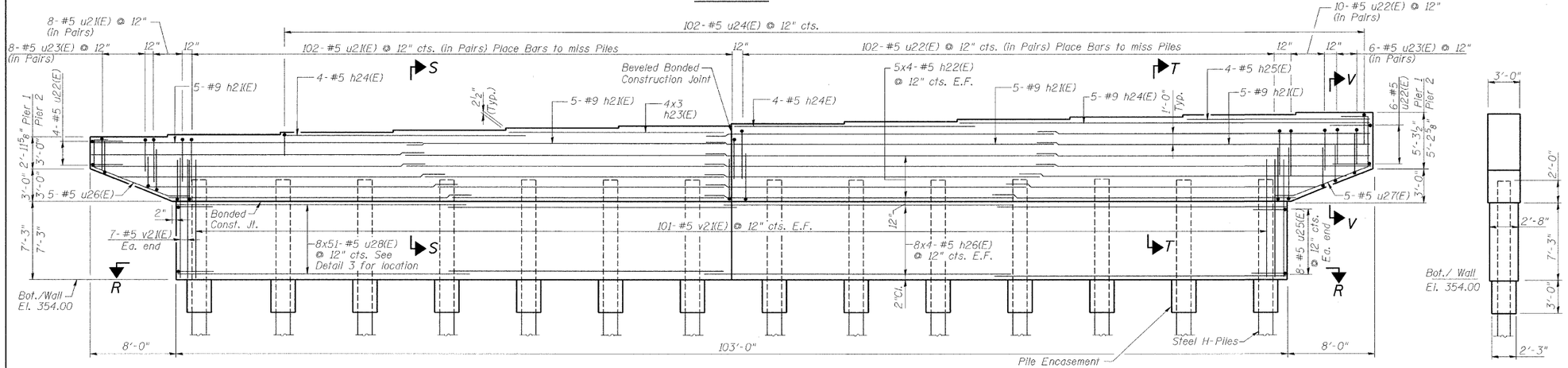
BILL OF MATERIAL
(2 Piers shown)

Bar	No.	Size	Length	Shape
h21(E)	40	#9	35'-10"	—
h22(E)	80	#5	32'-0"	—
h23(E)	24	#5	28'-5"	—
h24(E)	24	#5	23'-0"	—
h25(E)	8	#5	17'-3"	—
h26(E)	128	#5	27'-9"	—
h27(E)	10	#9	38'-2"	—
u21(E)	220	#5	11'-6"	⊏
u22(E)	244	#5	12'-2"	⊏
u23(E)	28	#5	9'-4"	⊏
u24(E)	204	#5	8'-8"	⊏
u25(E)	32	#5	9'-8"	⊂
u26(E)	10	#5	15'-5"	⌋
u27(E)	10	#5	17'-7"	⌋
u28(E)	816	#4	3'-7"	⊓
v21(E)	432	#5	10'-1"	—

Pay Item	Unit	Total
Structure Excavation	Cu. Yd.	102
Concrete Structures	Cu. Yd.	326
Reinf. Bars, Epoxy Coated	Pound	29,000
Furn. Steel Piles HP14x73	Foot	1876
Driving Piles	Foot	1876
Concrete Encasement	Cu. Yd.	15.2



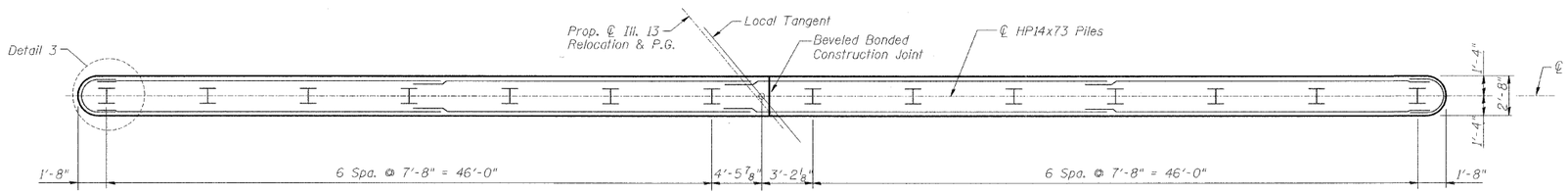
TOP PLAN



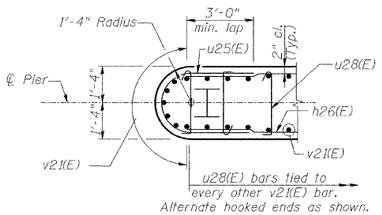
ELEVATION
(Looking West)

DETAIL 2

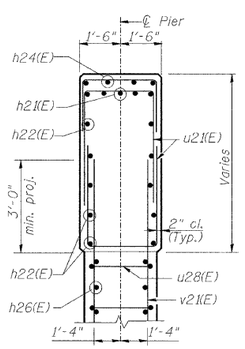
END VIEW



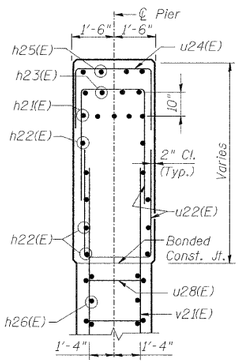
SECTION R-R



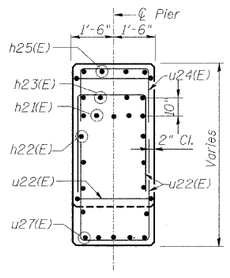
DETAIL 3



SECTION S-S



SECTION T-T



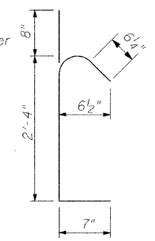
SECTION V-V

BEAM SEAT ELEVATION

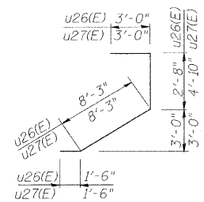
Beam	Pier 1	Pier 2
1	369.54	369.47
2	369.33	369.27
3	369.12	369.08
4	368.92	368.88
5	368.71	368.68
6	368.50	368.47
7	368.29	368.27
8	368.08	368.07
9	367.87	367.87
10	367.65	367.66
11	367.44	367.46
12	367.22	367.25

NOTES:

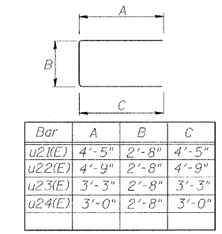
1. All Bar dimensions are out to out.
2. Pour steps monolithically with Pier cap.
3. Space Reinforcing Bars to miss Anchor Bolts.
4. Use the following minimum lap lengths unless otherwise noted: #5 - 3'-0" #9 - 8'-1"
5. E.F. denotes Each Face.
6. Bars indicates thus: 8x4-#5 etc., indicates 8 lines of #5 bars with 4 lengths per line.
7. If a portion of the pier wall or concrete encasement is under water, reinforcement may be placed underwater into forms. Concrete shall be tremied according to Article 503.08 of the Standard Specifications to an elevation of 1'-0" above water line at the time of construction.



BAR u28(E)

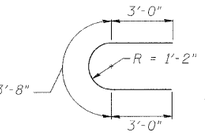


BAR u26(E) & u27(E)



Bar	A	B	C
u21(E)	4'-5"	2'-8"	4'-5"
u22(E)	4'-9"	2'-8"	4'-9"
u23(E)	3'-3"	2'-8"	3'-3"
u24(E)	3'-0"	2'-8"	3'-0"

BARS u21(E) thru u24(E)



BAR u25(E)

PILE DATA

Type: HP14x73
Nominal Required Bearing: 576 kips
Allowable Resistance Available: 192 kips
Est. Length: 67 ft.
No. Production Piles: 28

DESIGNED	WZ
CHECKED	MRB
DRAWN	AR
CHECKED	HMA

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ILLINOIS DEPARTMENT OF TRANSPORTATION
RELOCATED ILLINOIS ROUTE 13 OVER
HARRISBURG DITCH
F.A.P. 331 SECTION (8X-1)B

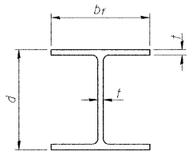
PIER 1 AND 2 DETAILS

SN: 083-0060
SALINE CO., IL.

STA. 1013+38.50
DATE: FEB 4, 2009

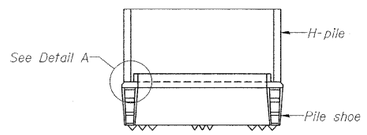
ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 331	(8X-1)B	SALINE CO.	220	137
STA.		TO STA.		
F.H.W.A. REGION		ILLINOIS	PROJECT	

Contract # 78058

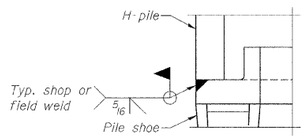


STEEL PILE TABLE

Designation	Depth d	Flange width b_f	Web and Flange thickness t	Encasement diameter A
HP 14x117	$14\frac{1}{4}''$	$14\frac{7}{8}''$	$\frac{13}{16}''$	30''
x102	14''	$14\frac{3}{4}''$	$\frac{11}{16}''$	30''
x89	$13\frac{7}{8}''$	$14\frac{3}{4}''$	$\frac{5}{8}''$	30''
x73	$13\frac{5}{8}''$	$14\frac{5}{8}''$	$\frac{1}{2}''$	30''
HP 12x84	$12\frac{1}{4}''$	$12\frac{1}{4}''$	$\frac{11}{16}''$	24''
x74	$12\frac{1}{8}''$	$12\frac{1}{4}''$	$\frac{5}{8}''$	24''
x63	12''	$12\frac{1}{8}''$	$\frac{1}{2}''$	24''
x53	$11\frac{3}{4}''$	12''	$\frac{7}{16}''$	24''
HP 10x57	10''	$10\frac{1}{4}''$	$\frac{9}{16}''$	24''
x42	$9\frac{3}{4}''$	$10\frac{1}{8}''$	$\frac{7}{16}''$	24''
HP 8x36	8''	$8\frac{1}{8}''$	$\frac{7}{16}''$	18''

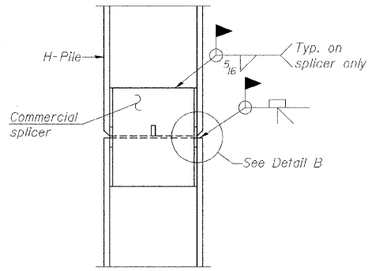


ELEVATION

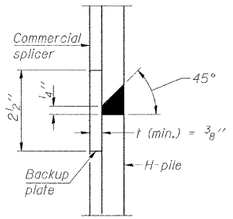


DETAIL A

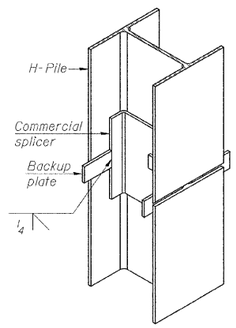
H-PILE SHOE ATTACHMENT



ELEVATION

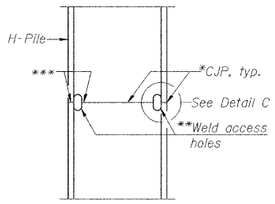


DETAIL "B"

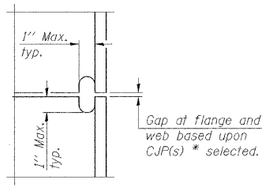


ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE



ELEVATION



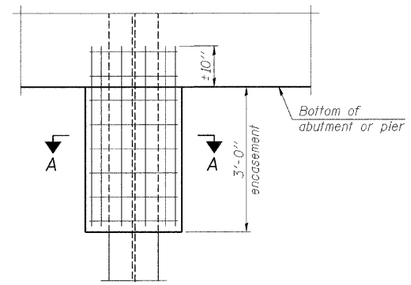
DETAIL C

COMPLETE PENETRATION WELD SPLICE

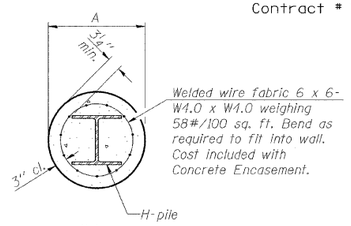
* Use joint conforming to Figure 3.4 in AWS D1.1, Structure Welding Code - Steel.

** Preparation per Fig. 5.2 in AWS D1.1, Structure Welding Code - Steel.

*** Interrupt welds ¼'' from end of each pile.



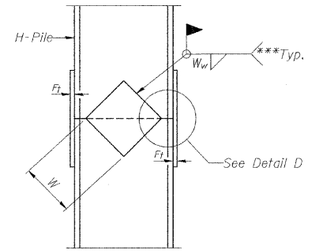
ELEVATION



Note:
Forms for encasement may be omitted when soil conditions permit.

SECTION A-A

PILE ENCASEMENT



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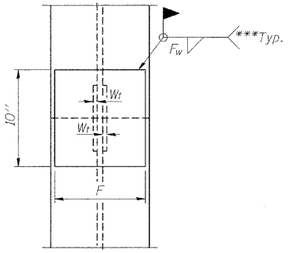
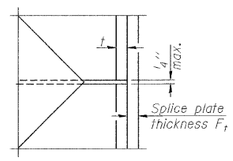


END VIEW



DETAIL D

Designation	F	F_t	F_w	W	W_f	W_w
HP 14x117	$12\frac{1}{2}''$	1''	$\frac{7}{8}''$	$7\frac{3}{4}''$	$\frac{5}{8}''$	$\frac{1}{2}''$
x102	$12\frac{1}{2}''$	$\frac{7}{8}''$	$\frac{3}{4}''$	$7\frac{3}{4}''$	$\frac{5}{8}''$	$\frac{1}{2}''$
x89	$12\frac{1}{2}''$	$\frac{3}{4}''$	$\frac{11}{16}''$	$7\frac{3}{4}''$	$\frac{5}{8}''$	$\frac{1}{2}''$
x73	$12\frac{1}{2}''$	$\frac{5}{8}''$	$\frac{9}{16}''$	$7\frac{3}{4}''$	$\frac{5}{8}''$	$\frac{1}{2}''$
HP 12x84	10''	$\frac{7}{8}''$	$\frac{11}{16}''$	$6\frac{1}{2}''$	$\frac{5}{8}''$	$\frac{1}{2}''$
x74	10''	$\frac{7}{8}''$	$\frac{11}{16}''$	$6\frac{1}{2}''$	$\frac{5}{8}''$	$\frac{1}{2}''$
x63	10''	$\frac{5}{8}''$	$\frac{1}{2}''$	$6\frac{1}{2}''$	$\frac{1}{2}''$	$\frac{3}{8}''$
x53	10''	$\frac{5}{8}''$	$\frac{1}{2}''$	$6\frac{1}{2}''$	$\frac{1}{2}''$	$\frac{3}{8}''$
HP 10x57	8''	$\frac{3}{4}''$	$\frac{9}{16}''$	$5\frac{1}{4}''$	$\frac{1}{2}''$	$\frac{3}{8}''$
x42	8''	$\frac{5}{8}''$	$\frac{9}{16}''$	$5\frac{1}{4}''$	$\frac{1}{2}''$	$\frac{3}{8}''$
HP 8x36	7''	$\frac{5}{8}''$	$\frac{7}{16}''$	$4\frac{1}{4}''$	$\frac{1}{2}''$	$\frac{3}{8}''$

WELDED PLATE FIELD SPLICE

Note:
The steel H-piles shall be according to AASHTO M270 Grade 50.

DESIGNED	WJZ
CHECKED	MRB
DRAWN	LM
CHECKED	HMA

F-HP 10-1-08

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ILLINOIS DEPARTMENT OF TRANSPORTATION
RELOCATED ILLINOIS ROUTE 13 OVER
HARRISBURG DITCH
F.A.P. 331 SECTION (8X-1)B

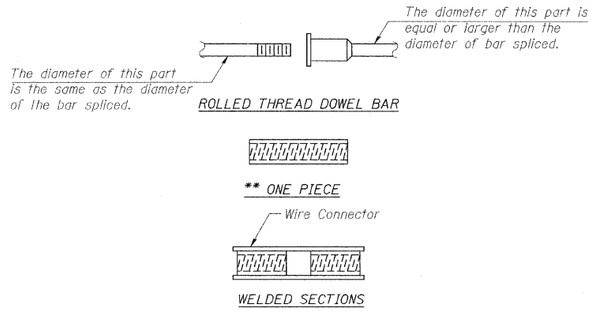
HP PILE DETAILS

SN: 083-0060
SALINE CO., IL.

STA. 1013+38.50
DATE: FEB 4, 2009

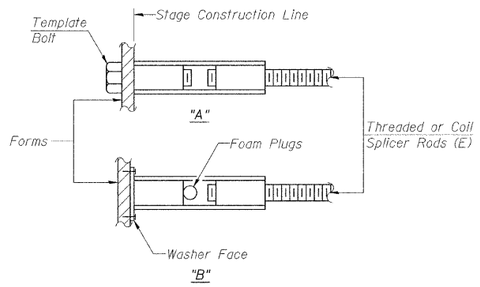
ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 331	(8X-1)B	SALINE CO.	220	138
STA.		TO STA.		
F.H.W.A. REGION		ILLINOIS	PROJECT	

Contract # 78058



BAR SPLICER ASSEMBLY ALTERNATIVES

**Heavy Hex Nuts conforming to ASTM A 563, Grade C, D or DH may be used.



INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E) : Indicates epoxy coating.

NOTES

Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars.

Splicer rods shall be of minimum 60 ksi yield strength, threaded or coiled full length.

All reinforcement bars shall be lapped and tied to the splicer rods or dowel bars.

Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars.

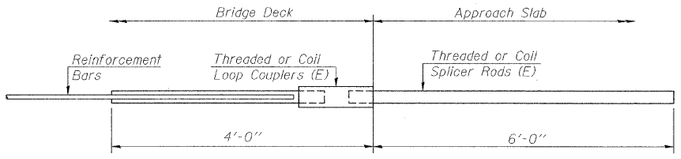
Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an approved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:

1. Minimum Capacity (Tension in kips) = $1.25 \times fy \times A_t$
2. Minimum *Pull-out Strength (Tension in kips) = $0.66 \times fy \times A_t$

Where fy = Yield strength of lapped reinforcement bars in ksi.
A_t = Tensile stress area of lapped reinforcement bars.
* = 28 day concrete

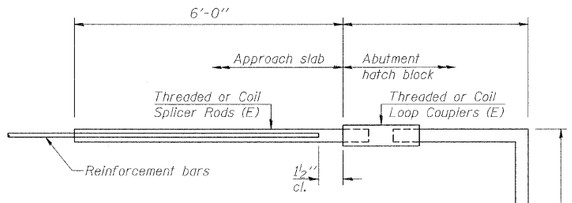
BAR SPLICER ASSEMBLIES

Bar Size to be Spliced	Splicer Rod or Dowel Bar Length	Strength Requirements	
		Min. Capacity kips - tension	Min. Pull-Out Strength kips - tension
#4	1'-8"	14.7	7.9
#5	2'-2"	23.0	12.3
#6	2'-7"	33.1	17.4
#7	3'-5"	45.1	23.8
#8	4'-6"	58.9	31.3
#9	5'-9"	75.0	39.6
#10	7'-3"	95.0	50.3
#11	9'-0"	117.4	61.8



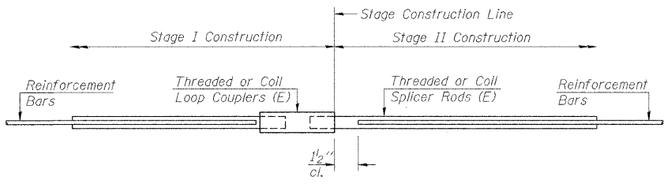
FOR INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

Bar Splicer for #5 bar
Min. Capacity = 23.0 kips - tension
Min. Pull-out Strength = 12.3 kips - tension
No. Required =



FOR STUB ABUTMENTS

Bar Splicer for #5 bar		
Min. Capacity = 23.0 kips - tension		
Min. Pull-out Strength = 12.3 kips - tension		
No. Required = 121	W.	Abutment
No. Required = 121	E.	Abutment



STANDARD

Bar Size	No. Assemblies Required	Location

DESIGNED	WJZ
CHECKED	MRB
DRAWN	LM
CHECKED	HMA

BSD-1 10-1-08

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ILLINOIS DEPARTMENT OF TRANSPORTATION
RELOCATED ILLINOIS ROUTE 13 OVER HARRISBURG DITCH
F.A.P. 331 SECTION (8X-1)B

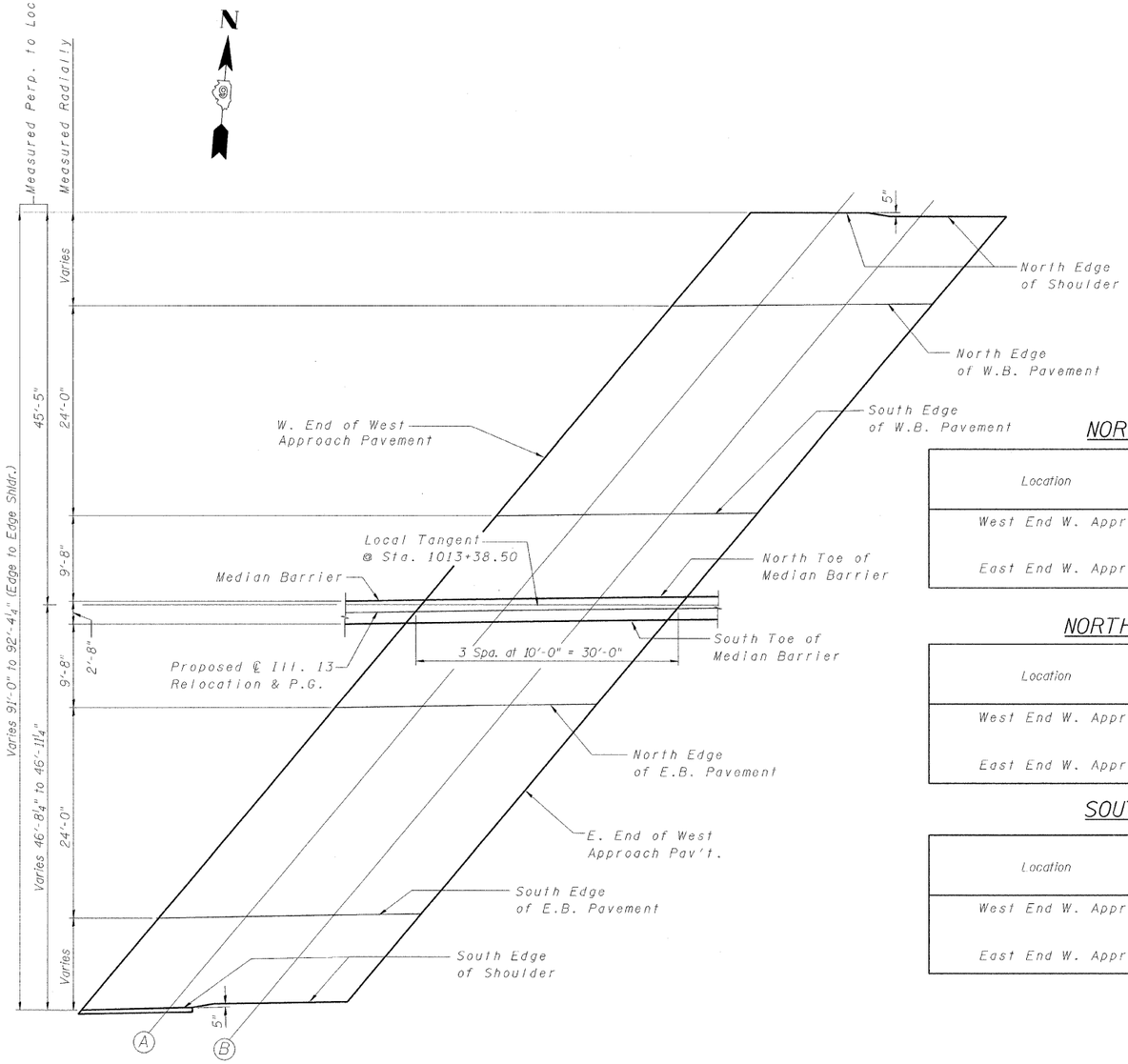
BAR SPLICER ASSEMBLY DETAILS

SN: 083-0060
SALINE CO., IL.

STA. 1013+38.50
DATE: FEB 4, 2009

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 331	(8X-1)B	SALINE CO.	220	139
STA.	TO STA.			
F.H.W.A. REGION		ILLINOIS	PROJECT	

Contract # 78058



PLAN
West Approach Slab

DESIGNED	KMP
CHECKED	AJK
DRAWN	KMP
CHECKED	AJK

NORTH TOE OF MEDIAN BARRIER

Location	Station	Offset	Theoretical Grade Elevations
West End W. Appr. Pvmnt	1012+26.46	-1.33	372.12
A	1012+36.58	-1.33	372.14
B	1012+46.69	-1.33	372.16
East End W. Appr. Pvmnt	1012+56.78	-1.33	372.18

Proposed ℄ Ill. 13 Relocation & P.G.

Location	Station	Offset	Theoretical Grade Elevations
West End W. Appr. Pvmnt	1012+25.31	0.00	372.09
A	1012+35.43	0.00	372.11
B	1012+45.54	0.00	372.12
East End W. Appr. Pvmnt	1012+55.64	0.00	372.14

NORTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
West End W. Appr. Pvmnt	1012+64.57	-45.78	373.34
A	1012+74.51	-45.69	373.35
B	1012+84.10	-45.19	373.35
East End W. Appr. Pvmnt	1012+94.04	-45.13	373.35

SOUTH TOE OF MEDIAN BARRIER

Location	Station	Offset	Theoretical Grade Elevations
West End W. Appr. Pvmnt	1012+24.16	1.33	372.05
A	1012+34.28	1.33	372.07
B	1012+44.39	1.33	372.09
East End W. Appr. Pvmnt	1012+54.50	1.33	372.10

NORTH EDGE OF WB PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
West End W. Appr. Pvmnt	1012+55.39	-35.00	373.05
A	1012+65.43	-35.00	373.06
B	1012+75.46	-35.00	373.07
East End W. Appr. Pvmnt	1012+85.47	-35.00	373.08

NORTH EDGE OF EB PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
West End W. Appr. Pvmnt	1012+15.78	11.00	371.78
A	1012+25.93	11.00	371.80
B	1012+36.06	11.00	371.82
East End W. Appr. Pvmnt	1012+46.19	11.00	371.84

SOUTH EDGE OF WB PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
West End W. Appr. Pvmnt	1012+34.80	-11.00	372.39
A	1012+44.90	-11.00	372.41
B	1012+54.98	-11.00	372.43
East End W. Appr. Pvmnt	1012+65.06	-11.00	372.44

SOUTH EDGE OF EB PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
West End W. Appr. Pvmnt	1011+94.86	35.00	371.11
A	1012+05.06	35.00	371.13
B	1012+15.25	35.00	371.16
East End W. Appr. Pvmnt	1012+25.43	35.00	371.18

SOUTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
West End W. Appr. Pvmnt	1011+85.72	45.42	370.81
A	1011+95.92	45.44	370.84
B	1012+06.49	45.04	370.87
East End W. Appr. Pvmnt	1012+16.70	45.03	370.90

Notes:
1. For approach slab details, see sheets S24 and S25.

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ILLINOIS DEPARTMENT OF TRANSPORTATION
RELOCATED ILLINOIS ROUTE 13 OVER
HARRISBURG DITCH
F.A.P. 331 SECTION (8X-1)B

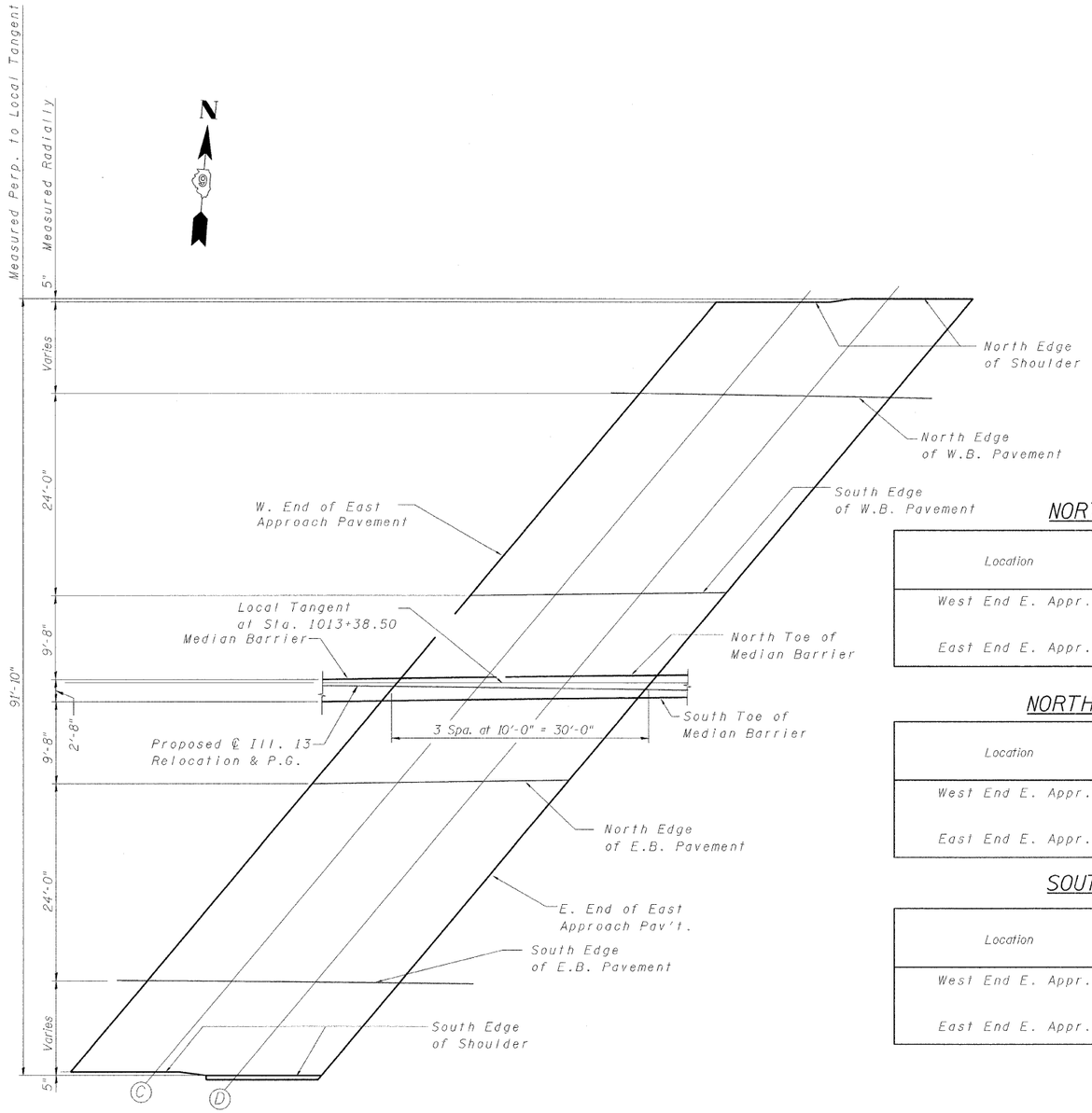
TOP OF WEST APPROACH
SLAB ELEVATIONS

SN: 083-0060
SALINE CO., IL.

STA. 1013+38.50
DATE: FEB 4, 2009

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 331	(8X-1)B	SALINE CO.	220	140
STA.	TO STA.			
F.H.W.A. REGION	ILLINOIS	PROJECT		

Contract # 78058



PLAN

NORTH TOE OF MEDIAN BARRIER

Location	Station	Offset	Theoretical Grade Elevations
West End E. Appr. Pvmnt	1014+21.71	-1.33	372.13
C	1014+31.61	-1.33	372.11
D	1014+41.50	-1.33	372.08
East End E. Appr. Pvmnt	1014+51.38	-1.33	372.06

Proposed ℄ Ill. 13 Relocation & P.G.

Location	Station	Offset	Theoretical Grade Elevations
West End E. Appr. Pvmnt	1014+20.61	0.00	372.09
C	1014+30.52	0.00	372.07
D	1014+40.41	0.00	372.05
East End E. Appr. Pvmnt	1014+50.30	0.00	372.03

NORTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
West End E. Appr. Pvmnt	1014+58.03	-45.94	373.20
C	1014+67.97	-46.10	373.18
D	1014+78.24	-46.70	373.16
East End E. Appr. Pvmnt	1014+88.18	-46.89	373.13

SOUTH TOE OF MEDIAN BARRIER

Location	Station	Offset	Theoretical Grade Elevations
West End E. Appr. Pvmnt	1014+19.52	1.33	372.06
C	1014+29.43	1.33	372.04
D	1014+39.33	1.33	372.02
East End E. Appr. Pvmnt	1014+49.21	1.33	371.99

NORTH EDGE OF WB PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
West End E. Appr. Pvmnt	1014+49.17	-35.00	372.94
C	1014+59.00	-35.00	372.91
D	1014+68.82	-35.00	372.88
East End E. Appr. Pvmnt	1014+78.63	-35.00	372.85

NORTH EDGE OF EB PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
West End E. Appr. Pvmnt	1014+11.56	11.00	371.83
C	1014+21.49	11.00	371.81
D	1014+31.41	11.00	371.79
East End E. Appr. Pvmnt	1014+41.32	11.00	371.76

SOUTH EDGE OF WB PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
West End E. Appr. Pvmnt	1014+29.63	-11.00	372.36
C	1014+39.51	-11.00	372.34
D	1014+49.38	-11.00	372.31
East End E. Appr. Pvmnt	1014+59.24	-11.00	372.29

SOUTH EDGE OF EB PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
West End E. Appr. Pvmnt	1013+91.70	35.00	371.23
C	1014+01.68	35.00	371.22
D	1014+11.66	35.00	371.20
East End E. Appr. Pvmnt	1014+21.62	35.00	371.18

SOUTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
West End E. Appr. Pvmnt	1013+82.65	45.87	370.96
C	1013+92.71	45.81	370.95
D	1014+02.42	46.15	370.93
East End E. Appr. Pvmnt	1014+12.83	45.64	370.92

DESIGNED	KMP
CHECKED	AJK
DRAWN	KMP
CHECKED	AJK

Notes:
1. For approach slab details, see sheets S24 and S25.

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ILLINOIS DEPARTMENT OF TRANSPORTATION
RELOCATED ILLINOIS ROUTE 13 OVER
HARRISBURG DITCH
F.A.P. 331 SECTION (8X-1)B

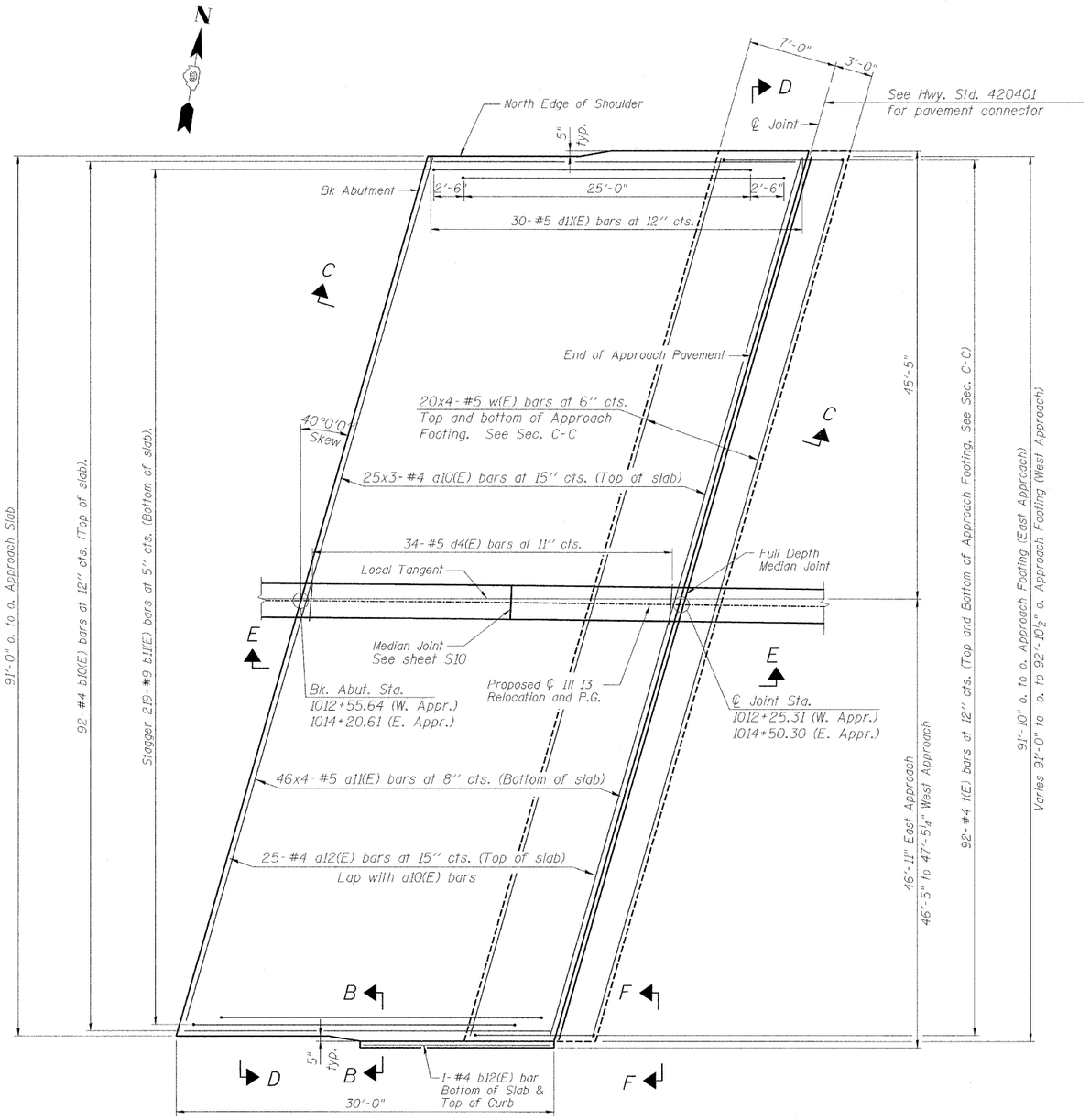
TOP OF EAST APPROACH SLAB ELEVATIONS

SN: 083-0060
SALINE CO., IL.

STA. 1013+38.50
DATE: FEB 4, 2009

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 331	(8X-1)B	SALINE CO.	220	141
STA.		TO STA.		
F.H.W.A. REGION		ILLINOIS	PROJECT	

Contract # 78058

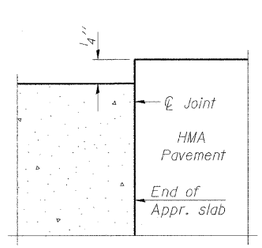


PLAN

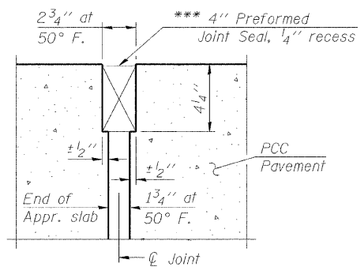
(East Approach Slab shown, West Approach Slab opposite hand except as noted)

* Tilt #9 b11(E) and a12(E) bars as required to maintain clearance.

*** Cost included with Concrete Superstructure.

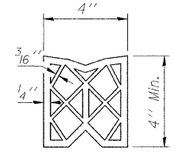


FLEXIBLE PAVEMENT

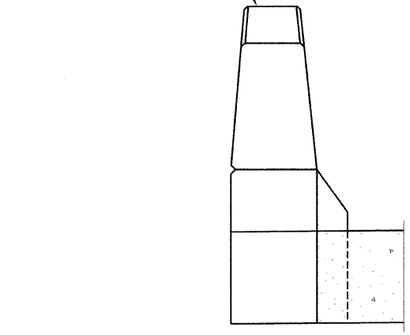


RIGID PAVEMENT

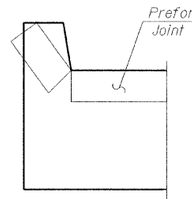
DETAIL A



PREFORMED JOINT SEAL



VIEW B-B



VIEW F-F

Angle Preformed Joint Seal at 45° at curbs when req'd for drainage.

Notes:
1. See sheet S25 for Sections C-C & D-D and View E-E.
2. a10(E), a11(E) and w(E) bar spacings measured perpendicular to local tangent.

DESIGNED	AJK
CHECKED	KMP
DRAWN	AJK
CHECKED	KMP

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ILLINOIS DEPARTMENT OF TRANSPORTATION
RELOCATED ILLINOIS ROUTE 13 OVER HARRISBURG DITCH
F.A.P. 331 SECTION (8X-1)B

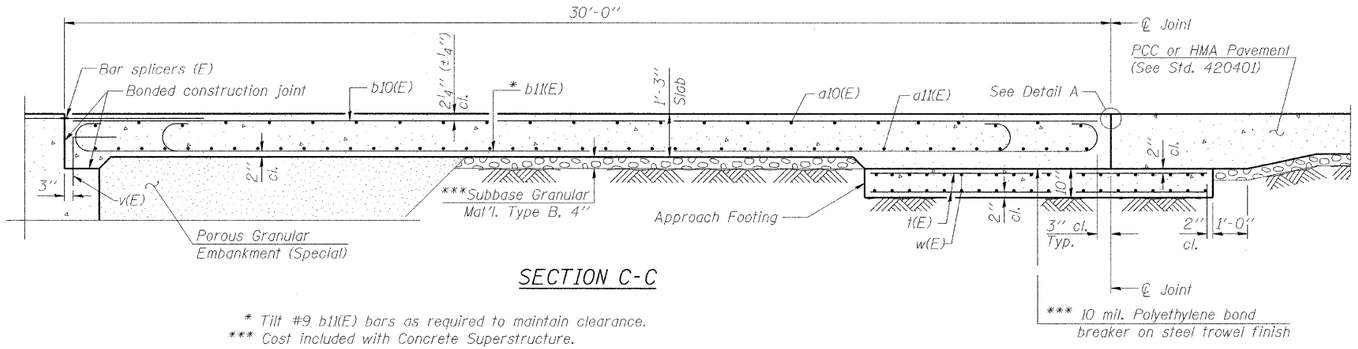
BRIDGE APPROACH SLAB DETAILS (1 OF 2)

SN: 083-0060
SALINE CO., IL.

STA. 1013+38.50
DATE: FEB 4, 2009

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 331	(8X-1)B	SALINE CO.	220	142
STA.	TO STA.			
F.H.W.A. REGION		ILLINOIS	PROJECT	

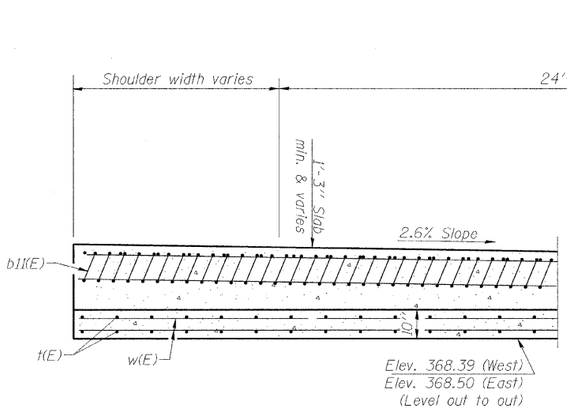
Contract # 78058



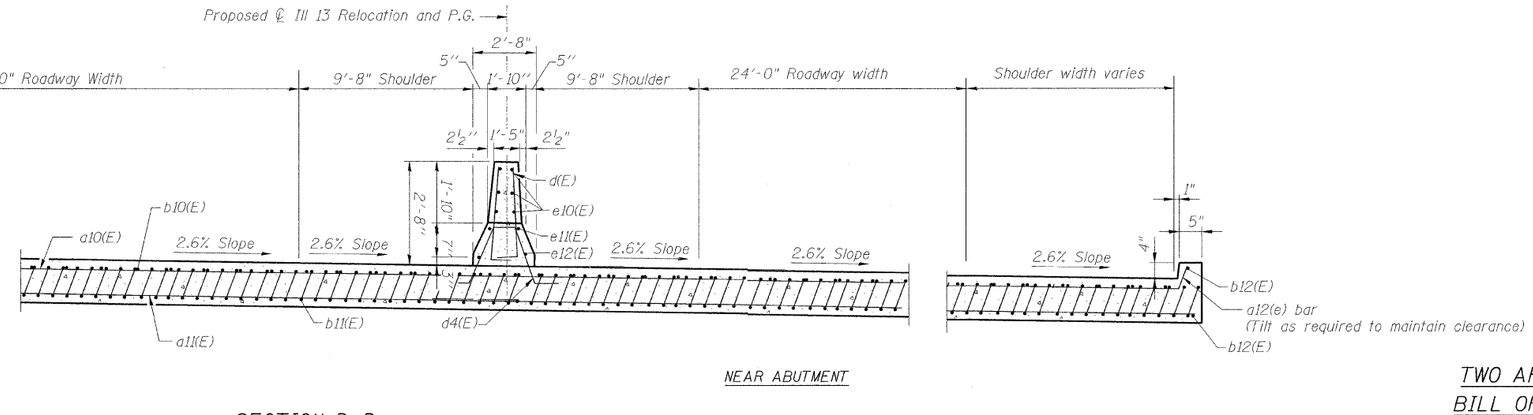
SECTION C-C

* Tilt #9 b11(E) bars as required to maintain clearance.
*** Cost included with Concrete Superstructure.

Notes:
1. See sheet S23 for Detail A and View B-B.
2. Approach slab and parapet concrete shall be paid for as Concrete Superstructure.
3. Approach footing concrete shall be paid for as Concrete Structures.
4. Reinforcement shall be paid for as Reinforcement Bars, Epoxy Coated.
5. The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
6. For bar splicer details, see sheet S21.
7. For Porous Granular Embankment (Special) and drainage treatment details, see sheet S2.
8. For Parapet Joint details, see sheet S10.

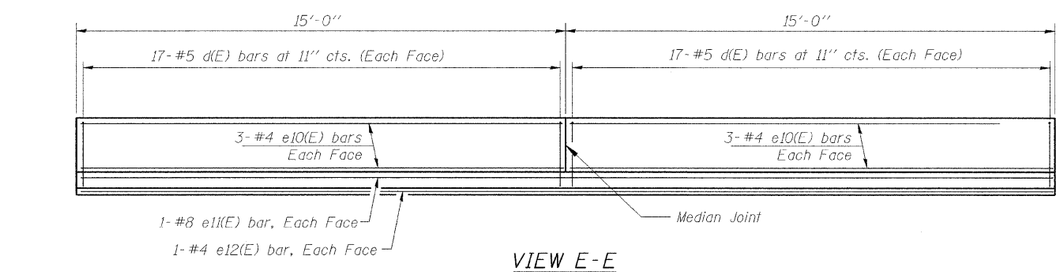


NEAR APPROACH FOOTING

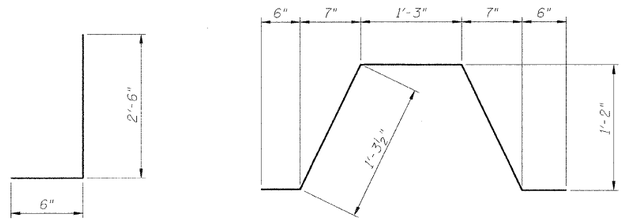


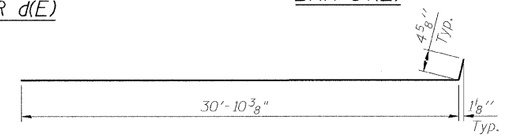
SECTION D-D
(See Plan for dimensions not shown)

NEAR ABUTMENT

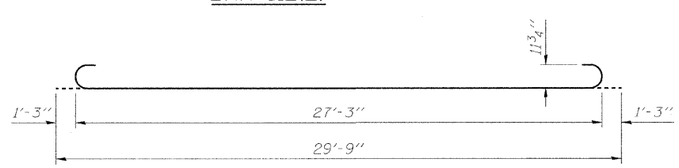


VIEW E-E





BAR a12(E)



BAR b11(E)

TWO APPROACHES
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a10(E)	150	#4	30'-9"	
a11(E)	368	#5	31'-3"	
a12(E)	50	#4	31'-3"	
b10(E)	184	#4	29'-8"	
b11(E)	438	#9	29'-9"	
b12(E)	4	#4	13'-8"	
d(E)	136	#5	3'-0"	
d4(E)	68	#5	4'-10"	
e10(E)	24	#4	14'-8"	
e11(E)	4	#8	29'-8"	
e12(E)	4	#4	29'-8"	
t(E)	368	#4	9'-9"	
w(E)	320	#5	31'-3"	
Concrete Superstructure			Cu. Yd.	361.6
Concrete Structures			Cu. Yd.	74.0
Reinforcement Bars, Epoxy Coated			Pound	78,340
Protective Coat			Sq. Yd.	696
Bridge Deck Grooving			Sq. Yd.	565

DESIGNED	AJK
CHECKED	KMP
DRAWN	AJK
CHECKED	KMP

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ILLINOIS DEPARTMENT OF TRANSPORTATION
RELOCATED ILLINOIS ROUTE 13 OVER
HARRISBURG DITCH
F.A.P. 331 SECTION (8X-1)B

BRIDGE APPROACH SLAB DETAILS (2 OF 2)

SN: 083-0060
SALINE CO., IL.

STA. 1013+38.50
DATE: FEB 4, 2009

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 331	(8X-1)B	SALINE CO.	220	143
STA.		TO STA.		
F.H.W.A. REGION		ILLINOIS	PROJECT	

Contract # 78058

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials

Bridge Foundation Boring Log
Sheet 1 of 2

ILL 13 Relocation Over Drainage Ditch
Route: _____ Structure Number: 083-0060 Date: 01/01/717
Section _____ Bored By: Bryan Keller
County: Saline Location: West of Harrisburg Checked By: Rob Graeff

Boring No 1-S
Station 1014+19
Offset 1' RT CL
Ground Surface 367.4 Ft

Surf Wat Elev:
Ground Water Elevation
when Drilling 337.9
At Completion
At: Hrs:

DEPTH	BLOW	Qu tsf	W%	Description
				Railroad Balast Stone
365.4				
	5			Very soft, very moist, brown,
	4	0.2B	16	Silty Clay A-6 with Cinders
	2			
362.9				
5.0	2			Stiff, moist to very moist, grey,
	1	1.1B	30	Silty Clay A-6
	2			
360.4				
	1			Stiff, moist, grey mottled brown,
	2	1.9S	25	Clay A7-6
	3			
10.0	1			
	2	1.8S	24	
	3			
	1			
	3	1.4S	25	
	3			
15.0	1			
	2	1.9B	24	
	2			
350.4				
	1			Medium, very moist, grey mottled
	1	0.7S	40	brown, Clay A7-6
	2			
347.9				
20.0	1			Very stiff, moist, brown, Clay
	4	2.1S	30	A7-6
	5			
	1			
	4	2.2S	29	
	6			
342.9				
25.0	1			Stiff, moist to very moist, grey,

DEPTH	BLOW	Qu tsf	W%	Description
	3	1.9S	30	Clay A7-6
340.4	3			
	WH			Stiff, very moist, grey, Clay
	2	1.1B	19	A7-6
	1			
337.9				
30.0	1			Medium, very moist, grey,
	2	0.9B	20	Clay to Silty Clay A7-6
	2			
335.4				
	1			Stiff, moist, brown mottled grey,
	2	1.6S	33	Clay A7-6
	2			
332.9				
35.0	1			Medium, moist, brown
	1	0.7B	22	mottled grey, Clay A7-6
	1			
330.4				
	1			Very stiff, moist, brown, Silty
	3	2.9S	18	Clay A-6
	6			
327.9				
40.0	1			Stiff, moist, brown mottled grey,
	3	1.9S	37	Clay A7-6
	3			
322.9				
45.0	2			Very stiff, moist, brown mottled
	3	2.8S	31	grey, Clay A7-6
	4			
50.0	2			

Sheet 2 of 2
Date: 01/01/717

Route: _____
Section: _____
County: Saline

Boring No: 1-S
Station: 1014+19
Offset: 1' RT CL
Ground Surface: 367.4 Ft

DEPTH	BLOW	Qu tsf	W%	Description
	4	2.1S	31	Very stiff, moist, brown mottled
	6			grey, Clay A7-6
312.9				
55.0	1			Stiff, moist, brown mottled grey,
	3	1.8S	31	Clay A7-6
	4			
307.9				
60.0	3			Hard, moist, brown, Clay A7-6
	6	4.3S	24	
	8			
302.9				
65.0	1			Medium, very moist, brown,
	6	0.8B	20	Silty Clay A-6 with Gravel
	6			and fine Silty Sand Layers
297.9				
70.0	100/6"			Hard, dry, grey, Clay Shale 297.4
				Hard, dry, grey, Limestone
				Cored from 70.0 ft to 75.0 ft.
				83% Recovery
				34% RQD
292.4				
75.0				

DEPTH	BLOW	Qu tsf	W%	Description
				Hard,dry, grey, Limestone and
				Clay Shale Layers
				Cored from 75.0 ft to 80. 0 ft
				100% Recovery
				0% RQD (See Note Below)
287.4				
80.0				
				Bottom of hole = 80.0 ft.
				Free water observed at 29.5 ft.
				Elevation referenced to PK nail
				Located on West Abutment of
				Existing R.R.bridge; Elevation
				= 367.663 ft.
				To convert "N" values to "N60"
85.0				values multiply by 1.25.
				Note: Core Barrel Pluged
				with Clay Shale layers. Barrel
				cleaned out with hand tools.
90.0				
95.0				
100.0				

DESIGNED	WJZ
CHECKED	MRB
DRAWN	AR
CHECKED	HMA

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ILLINOIS DEPARTMENT OF TRANSPORTATION
RELOCATED ILLINOIS ROUTE 13 OVER
HARRISBURG DITCH
F.A.P. 331 SECTION (8X-1)B

SOIL BORINGS

SN: 083-0060
SALINE CO., IL.

STA. 1013+38.50
DATE: FEB 4, 2009

ROUTE No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 331	(8X-1)B	SALINE CO.	220	144
STA.	TO STA.			
F.H.W.A. REGION	ILLINOIS	PROJECT		

Contract # 78058

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials

Bridge Foundation Boring Log
Sheet 1 of 2

ILL 13 Relocation Over Drainage Ditch
Route: _____ **Structure Number:** 083-0060 **Date:** 07/19/2001
Section _____ **Bored By:** Bryan Keller
County: Saline **Location:** West of Harrisburg **Checked By:** Rob Graeff

Boring No 2-S
Station 1012+94
Offset 2' LT CL
Ground Surface 367.9 Ft

Surf Wat Elev: 368.1
Ground Water Elevation
when Drilling 328.4
At Completion 344.4
At: **Hrs:**

	DEPTH	BLOW	Qu tsf	W%
Railroad Balast stone				
365.9				
Loose, damp, brown, Sand and Cinders with Crushed Aggregate		3		
		4		4
		6		
363.4				
Very stiff, moist, brown, Silty Clay A-6	5.0	1		
		3	2.5B	23
		3		
360.9				
Very stiff, moist, brown mottled grey, Clay A7-6		2		
		3	2.6S	24
		4		
358.4				
Stiff, very moist, grey mottled brown, Clay A7-6	10.0	2		
		3	1.9S	25
		4		
355.9				
Very stiff, moist, grey mottled brown, Clay A7-6		1		
		3	2.1S	22
		5		
353.4				
Very stiff, very moist, brown mottled grey, Clay A7-6 with with some Gravel	15.0	1		
		2	2.3B	23
		3		
350.9				
Stiff, moist to very moist, brown mottled grey, Clay A7-6		1		
		2	1.6S	31
		4		
348.4				
Very stiff, moist to very moist, brown mottled grey, Clay A7-6	20.0	1		
		3	2.1S	29
		5		
345.9				
Medium, very moist, grey, Clay A7-6		1		
		2	0.8B	22
		2		
	25.0	1		

	DEPTH	BLOW	Qu tsf	W%
Medium, very moist, grey, Clay A7-6		1	0.7B	23
		1		
		1		
		1	0.9B	18
		2		
338.4				
Stiff, very moist, grey, Clay A7-6	30.0	1		
		2	1.1B	19
		1		
		WH		
		2	1.2B	38
		1		
	35.0	1		
		1	1.1B	25
		2		
330.9				
Medium, very moist, grey, Clay A7-6		1		
		1	0.8B	31
		2		
328.4				
Stiff, moist, grey mottled brown, Clay A7-6	40.0	WH		
		2	1.6S	26
		3		
323.4				
Very stiff, moist, brown mottled grey, Clay A7-6	45.0	1		
		3	3.3S	35
		3		
318.4				
	50.0	1		

Sheet 2 of 2
Date: 07/19/2001

Route: _____
Section: _____
County: Saline

Boring No: 2-S
Station: 1012+94
Offset: 2' LT CL
Ground Surface: 367.9 Ft

	DEPTH	BLOW	Qu tsf	W%
Very stiff, moist, brown, Clay A7-6		3	3.5B	27
		3		
308.4				
Very stiff, moist, brown to grey, Clay A7-6	55.0	2		
		3	1.9S	31
		4		
303.4				
Stiff, very moist, grey, Clay A7-6 with a Sandy Gravel layer	60.0	2		
		6	2.7S	22
		6		
298.4				
Hard, dry, grey, Clay Shale 297.9	65.0	1		
		2	1.2B	26
		2		
	70.0	100/6"		
Bottom of hole = 70.0 ft.				
Free water observed at 39.5 ft Elevation referenced to P K Nail located on West Abutment of existing R. R. Bridge ;Elevation = 367.663 ft.				
	75.0			

To convert "N" values to "N60" values multiply by 1.25

DEPTH	BLOW	Qu tsf	W%
80.0			
85.0			
90.0			
95.0			
100.0			

DESIGNED	WJZ
CHECKED	MRB
DRAWN	AR
CHECKED	HMA

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ILLINOIS DEPARTMENT OF TRANSPORTATION
RELOCATED ILLINOIS ROUTE 13 OVER
HARRISBURG DITCH
F.A.P. 331 SECTION (8X-1)B

SOIL BORINGS

SN: 083-0060
SALINE CO., IL.

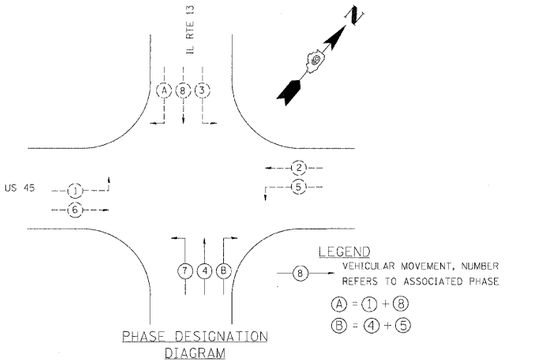
STA. 1013+38.50
DATE: FEB 4, 2009

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1, 42-1	SALINE	220	145
STA.	TO STA.			
FED. ROAD DIST. NO. 9	ILLINOIS	FED. AID PROJECT		

0 20' 40'

1" = 20'

SCALE IN FEET



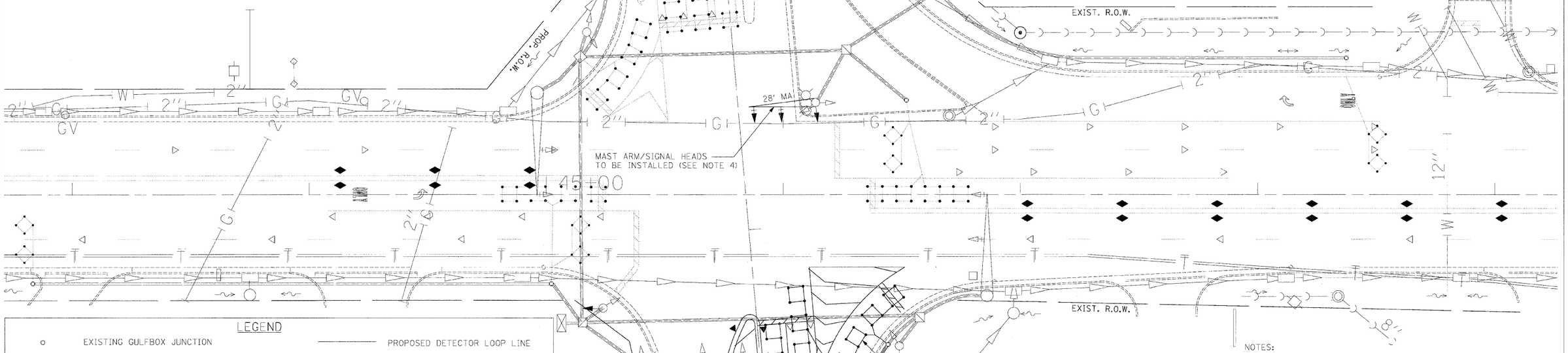
PHASE DESIGNATION DIAGRAM

LEGEND

VEHICULAR MOVEMENT, NUMBER REFERS TO ASSOCIATED PHASE

Ⓐ = ① + ⑧

Ⓑ = ④ + ⑤



LEGEND

- EXISTING GULFBOX JUNCTION
- EXISTING HANDHOLE
- EXISTING TRAFFIC SIGNAL CONTROLLER CABINET
- EXISTING 6' X 6' DETECTOR LOOPS
- EXISTING 5' X 5' DETECTOR LOOPS
- EXISTING PVC CONDUIT
- EXISTING SIGNAL HEAD WITH BACKPLATE, MAST ARM MOUNTED
- EXISTING SIGNAL HEAD, BRACKET MOUNTED
- EXISTING STEEL MAST ARM ASSEMBLY AND POLE.
- EXISTING STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH TWIN TENON AND TWO LUMINAIRES.
- EXISTING TRAFFIC SIGNAL POST.
- EXISTING DETECTOR LOOP LINE
- PROPOSED DETECTOR LOOP LINE
- PROPOSED SIGNAL HEAD, 1-FACE, 3-SECTION OR 5-SECTION WITH BACKPLATE, MAST ARM MOUNTED
- PROPOSED 6' X 6' DETECTOR LOOPS WITH 2" CORE-DRILLED CORNERS
- PROPOSED 5' X 5' DETECTOR LOOPS WITH 2" CORE-DRILLED CORNERS
- PROPOSED STEEL MAST ARM ASSEMBLY ON EXISTING POST
- PROPOSED PVC CONDUIT
- PROPOSED GULFBOX JUNCTION

NOTES:

1. THE 5'X5' DETECTOR LOOPS SHALL HAVE FOUR TURNS OF LOOP WIRE OR AS DIRECTED BY THE MANUFACTURER.
2. ALL SIGNAL FACES SHALL HAVE LED SECTIONS.
3. THE SIGNAL SECTIONS CORRESPONDING WITH THE EASTBOUND THRU MOVEMENTS ON IL RTE 13 AND THE SOUTHBOUND TO EASTBOUND LEFT TURN MOVEMENT ON US RTE 45 THAT WERE COVERED WITH BURLAP BAGS DURING PRIOR CONSTRUCTION TO DISCOURAGE VEHICULAR MOVEMENTS ONTO THE EAST LEG OF IL RTE 13, SHALL BE REMOVED.
4. THE 28' MAST ARM SHOWN IN THE NORTHWEST QUADRANT IS BEING STORED AT THE MURPHYSBORO OPERATIONS YARD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DELIVERY OF THE MAST ARM FROM THE OPERATIONS YARD TO THE JOBSITE.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

US RTE 45 & IL RTE 13 TRAFFIC SIGNAL PLAN

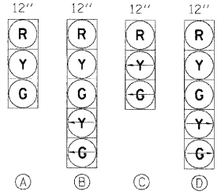
SCALE: VERT.
HORIZ.
DATE 10/17/07

DRAWN BY MCV
CHECKED BY WB

TRAFFIC SIGNAL PLANS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1, 42-1	SALINE	220	146
STA.	TO STA.			
FED. ROAD DIST. NO. 9	ILLINOIS	FED. AID PROJECT		

PROPOSED TRAFFIC SIGNAL FACES



(A) TO BE USED (4),(6)
(B) TO BE USED
(C) TO BE USED (7)
(D) TO BE USED (4)

NOTES:

1. ALL CABLES SHALL BE A.W.G. #14 UNLESS OTHERWISE NOTED.
2. PROPOSED 2/C ELECTRIC CABLE SHOWN IN CABLE DIAGRAM IS PAID FOR IN FEET AS ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 (1 PAIR)
3. DETECTOR LOOP 4a IS A SYSTEM DETECTOR.
4. EXISTING SIGNAL SYSTEM COMPONENTS ARE SHOWN FOR INFORMATION ONLY.

LEGEND

EXIST.	PROP.	
○▷	●►	POLYCARBONATE SIGNAL HEAD, 1-FACE, 5 SECTION BRACKET MOUNTED TO SIGNAL POST
+▷	+►	POLYCARBONATE SIGNAL HEAD WITH BACKPLATE, MAST ARM MOUNTED, 3 OR 5 SECTION.
		TERMINAL BLOCK IN MAST ARM POLE BASE SEE NOTE 1. TWIN TENON FOR TWO LUMINAIRES
		6' X 6' DETECTOR LOOP WITH 2" CORE DRILLED CORNERS.
		5' X 5' DETECTOR LOOP WITH 2" CORE DRILLED CORNERS. THESE REQUIRE AMPLIFIERS WITH SYSTEM OUTPUT.
○	●	CABLE SPLICE POINTS.
(2)	(2)	2/C TWISTED, SHIELDED IN CONDUIT.
(5) (7) (5)	(5) (7) (5)	NUMBER IN CIRCLE INDICATES NUMBER OF CONDUCTORS IN CONDUIT. MULTIPLE CABLES TO SIGNAL.
(4A)	(4A)	NUMBER INDICATES PHASE, LETTER INDICATES SIGNAL FACE
1a	1a	NUMBER INDICATES PHASE, LETTER OR LETTERS IDENTIFY AMPLIFIER.
~1/2"	~1/2"	PVC CONDUIT, NUMBER INDICATES DIAMETER OF CONDUIT.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

US RTE 45 & IL RTE 13 CABLE DIAGRAM

SCALE: VERT.
HORIZ.
DATE 10/17/07

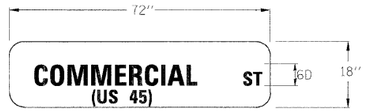
DRAWN BY MCV
CHECKED BY MAR

TRAFFIC SIGNAL PLANS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	31-1, 42-1	SALINE	220	147
STA.	TO STA.			
FED. ROAD DIST. NO. 9	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF QUANTITIES

PAY ITEMS		UNIT	TOTAL QUANT.
72000100	SIGN PANEL, TYPE 1	SQ FT	9
81012500	CONDUIT IN TRENCH, 1½" DIA., PVC	FOOT	205
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	205
81500110	GULFBOX JUNCTION	EACH	2
87301305	ELECTRIC CABLE IN CONDUIT LEAD-IN, NO. 14 PAIR	FOOT	700
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	2
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
88200100	TRAFFIC SIGNAL BACKPLATE	EACH	2
88500100	INDUCTIVE LOOP DETECTOR	EACH	3
88500200	INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT	EACH	1
88600100	DETECTOR LOOP, TYPE 1	FOOT	461



STREET NAME SIGN

MAST ARM MOUNTED
STA. 46+06, 38' LT.

GENERAL NOTES

1. THE FURNISHING AND INSTALLATION OF THE 1-1/4" CONDUIT WITH ITS TRENCHING AND BACKFILL FROM THE LOOP SAWCUT TO THE SPLICE POINT WILL BE INCIDENTAL TO THE LOOP INSTALLATION AND SEPARATE PAYMENT WILL NOT BE MADE FOR THIS WORK.
2. THE INDUCTION LOOP WIRE AND LEAD-IN WIRE SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION OR AS INDICATED ON THE PLANS
3. SHIELDED CABLE TO LOOP LEADS SHALL BE GROUNDED AT THE CONTROLLER TERMINAL ONLY.
4. DETECTOR LOOPS SHALL BE INSTALLED PRIOR TO FINAL SURFACE INSTALLATION. THE DETECTOR LOOP CORNERS SHALL BE DIAGONALLY CUT. IF RESURFACING IS NOT INCLUDED, THEN THE DETECTOR LOOP CORNERS SHALL BE CORE DRILLED 2" MINIMUM DIAMETER.
5. WHILE SIGNAL HEADS ARE MOUNTED IN PLACE, BUT NOT YET IN OPERATION, THEY SHALL BE SECURELY COVERED IN WHITE PLASTIC.
6. THE FINAL LOCATION OF THE DETECTOR LOOPS SHALL BE APPROVED BY THE BUREAU OF OPERATIONS BEFORE INSTALLATION.
7. CABLE QUANTITIES ARE MEASURED IN PLAN VIEW.
8. SAWED SLOTS FOR TWISTED PAIR ELECTRIC CABLE SHALL BE LARGER THAN SINGLE CONDUCTOR LOOP SLOTS.
9. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF TRAFFIC OPERATIONS 72 HOUR PRIOR TO THE SHUT-DOWN OR CUTTING OF EXISTING DETECTOR LOOPS.
10. THE DISTRICT BUREAU OF OPERATIONS SHALL BE NOTIFIED AT LEAST 10 DAYS PRIOR TO PLACEMENT OF THE FINAL PAVEMENT MARKINGS.
11. STREET NAME SIGN TO BE PROVIDED BY IDOT.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

US RTE 45 & IL RTE 13
TRAFFIC SIGNAL
SUMMARY OF QUANTITIES
AND SIGN DETAILS

SCALE: NONE
DATE: 10/30/07

DRAWN BY: MCV
CHECKED BY: WB

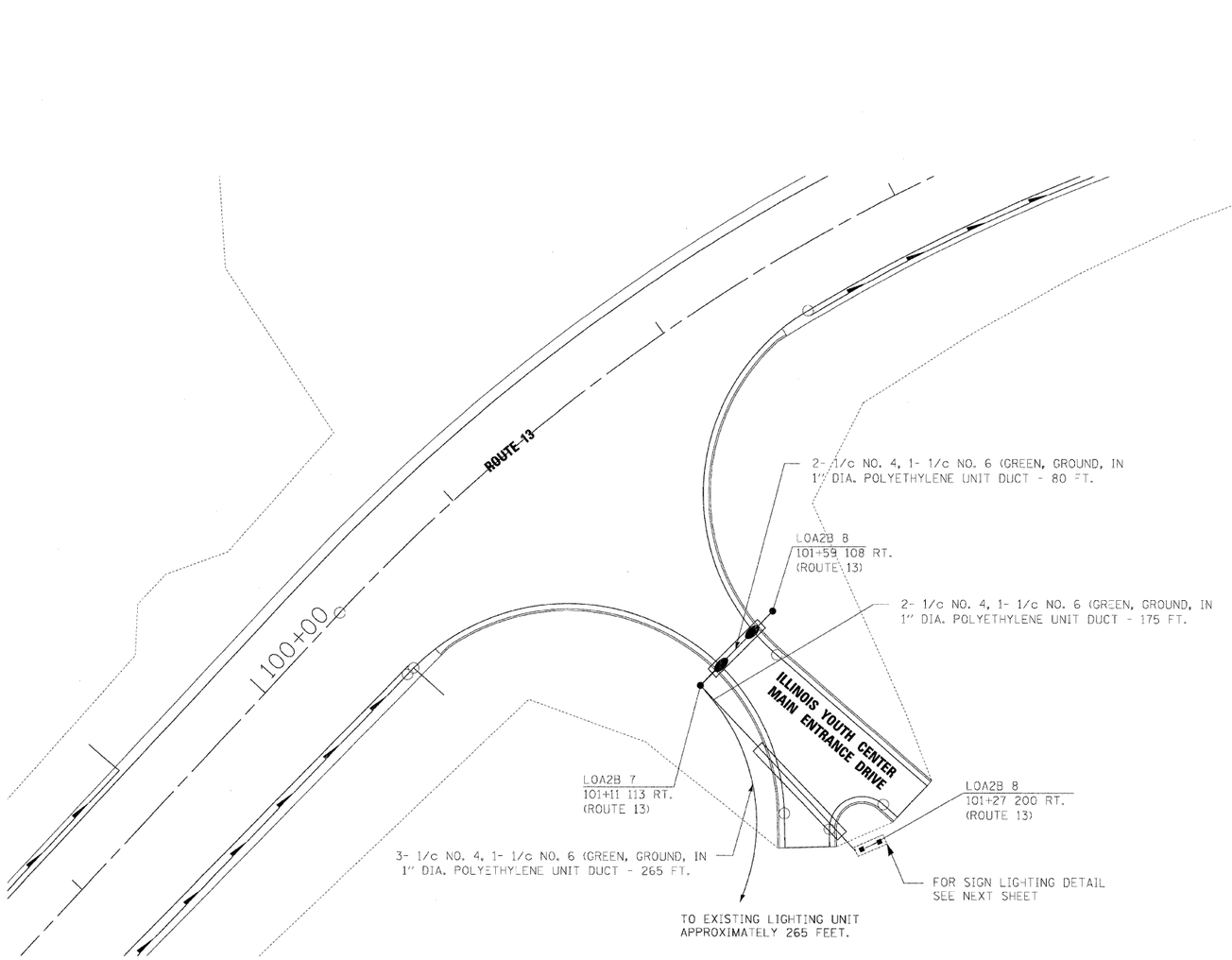
TRAFFIC SIGNAL PLANS

CONTRACT NO. 78058

FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, 4-2	SALINE	212	148
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

GENERAL AND CONSTRUCTION NOTES:

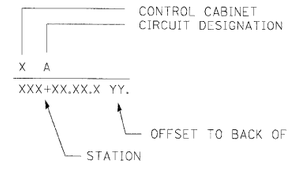
1. ELECTRICAL WORK SHALL CONFORM WITH NATIONAL, STATE, AND LOCAL CODES.
2. ONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS, QUANTITIES, AND TYPE OF UTILITIES IN AREAS TO BE EXCAVATED PRIOR TO COMMENCEMENT OF ANY WORK AND SHALL HAND EXCAVATE AS REQUIRED IN ORDER TO NOT INTERRUP ANY EXISTING SERVICES. IF IN PERFORMING WORK DAMAGE TO EXISTING UTILITIES OCCCURS, CONTRACTOR SHALL NOTIFY UTILITY IMMEDIATELY AND PAY ANY COST INCURRED FOR REPAIR OR REPLACEMENT.
3. ELECTRICAL EQUIPMENT, RACEWAY, ETC. ARE SHOWN IN APPROXIMATE LOCATION ONLY. CONTRACTOR SHALL INSTALL ELECTRICAL EQUIPMENT, RACEWAYS, ETC. WHERE DIRECTED BY THE ENGINEER IN ORDER TO BEST SUIT JOB CONDITIONS.
4. CONTRACTOR SHALL USE COPPER WITH XLP-USE INSULATION.
5. PLACE A GROUND ROD ¾ INCHES IN DIAMETER BY 10 FEET IN LENGTH AT #6 BARE COPPER WIRE WITH A LISTED GROUND ROD CLAMP. THE COST OF THE GROUND ROD SHALL BE INCLUDED IN THE "LIGHT POLE FOUNDATION" PAY ITEM.
6. THE GROUND CONDUCTOR SHALL HAVE NO SPLICE OR KINKS BELOW GRADE. IT SHALL BE SOLIDLY CONNECTED TO THE GROUNDING LUG OF EACH POLE AND TO THE GROUND CONSISTING OF A GREEN INSULATED ELECTRICAL INSIDE THE CONDUIT ALONG WITH THE INSULATED CABLES.
7. ALL POLES SHALL BE CONNECTED TO A CONTINUOUS GROUND CONSISTING OF A GREEN INSULATED ELECTRICAL CONDUCTOR 600 V. XLP, 1/C. NO. 6. THIS CONDUCTOR SHALL BE PLACED INSIDE THE CONDUIT ALONG WITH THE INSULATED CABLES.
8. SUFFICIENT LENGTH OF ELECTRICAL CONDUCTOR SHALL BE INSTALLED SO THAT ELECTRICAL CONDUCTOR MAY BE PULLED. SAID SLACK SHALL BE NEATLY COILED AND PLACED IN THE HANDHOLES.
9. THE EXISTING CONCRETE CONCRETE FOUNDATION SHALL BE REMOVED TO A DEPTH AT LEAST 3 FEET BELOW THE ADJACENT GRADE AND DISPOSED OF APPROVED MATERIALS AND RECONSTRUCTED TO MATCH THE ADJOINING AREA. COMPACTION SHALL BE BY A METHOD APPROVED BY THE ENGINEER. EXISTING CONDUIT/UNIDUCT SHALLB E ABANDONED. REMOVAL OF EXISTING CABLE SHALL BE INCLUDED IN THE POLE FOUNDATION REMOVAL PAY ITEM.
10. LIGHT FOUNDATION 2" AT THE END OF ALL CIRCUIT RUNS SHALL BE INSTALLED WITH (2) PVC ELBOW WILL BE SEALED AND CAPPED FOR FUTURE EXPANSION OF THE LIGHTING SYSTEM. THIS WORK SHALL BE INCLUDED IN THE COST OF HTIS CONTRACT.
11. THE PROPOSED FRANGIBLE LIGHTING UNITS SHALL BE INSTALLED 5 FEET INSIDE THE ILLINOIS YOUTH CENTER PROPERTY LINE, AND OFFSET 6 FEET FROM BACK OF CURB AND GUTTER
12. THE PROPOSED SIGN LIGHTING SHALL BE ANGLED AS DIRECTED BY THE ENGINEER.
13. ALL DRIVE AND SIGN LIGHTING CIRCUITS ARE FED FROM THE FAN ROOM OF BUILDING "A" OF THE ILLINOIS YOUTH CENTER, PANEL LOA2B, CIRCUITS 7 AND 8.



PROPOSED WIRING DIAGRAM

N.T.S.

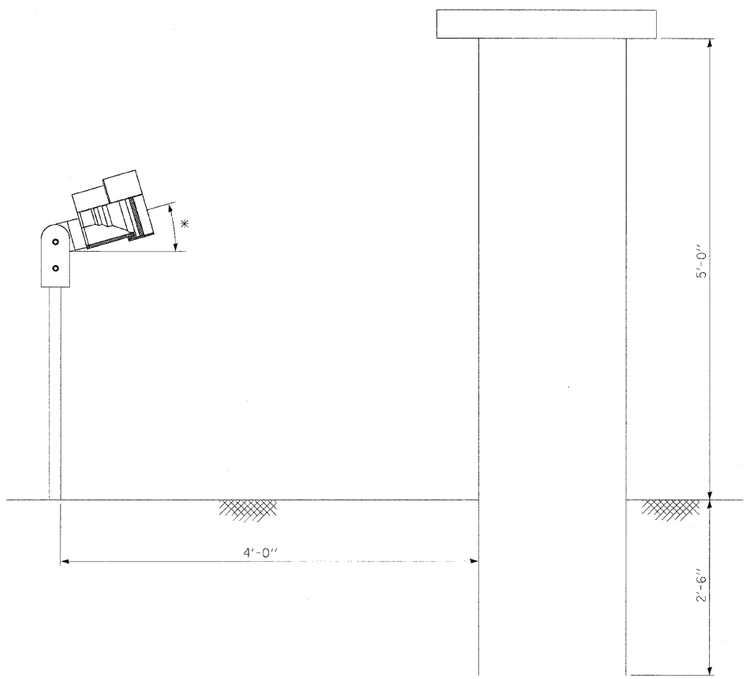
PROPOSED WIRING DIAGRAM



ILLINOIS YOUTH CENTER LIGHTING DETAILS

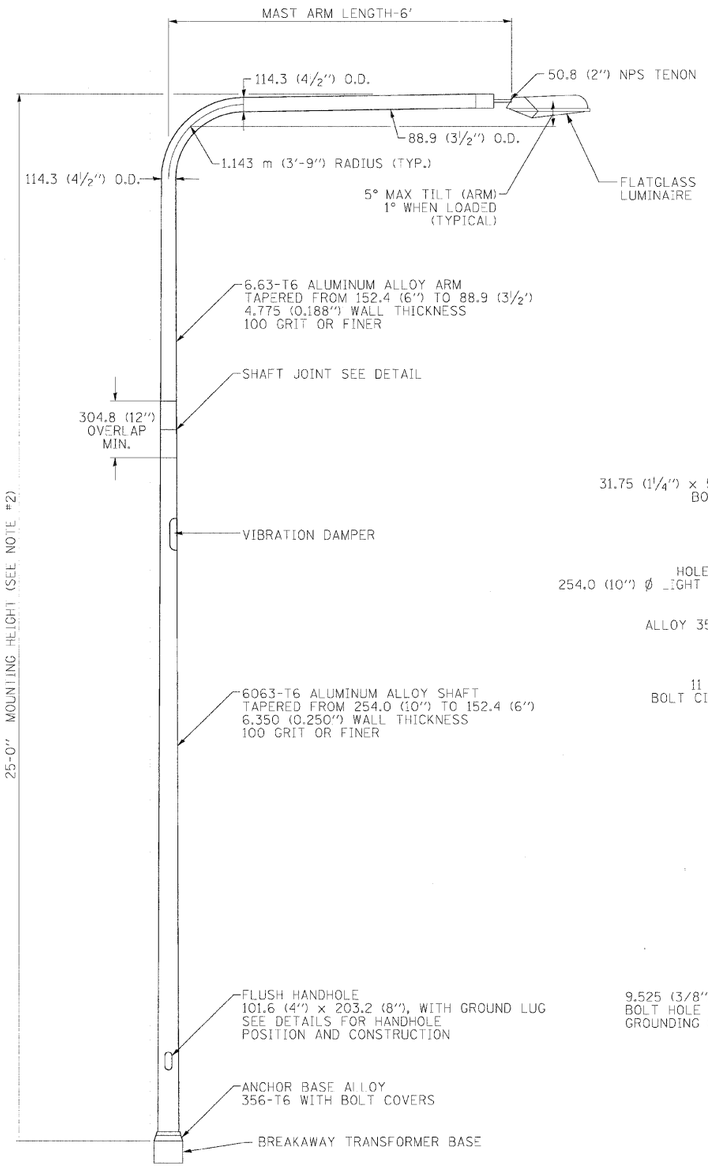
CONTRACT NO. 78058

FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, 4-2	SALINE	220	149
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

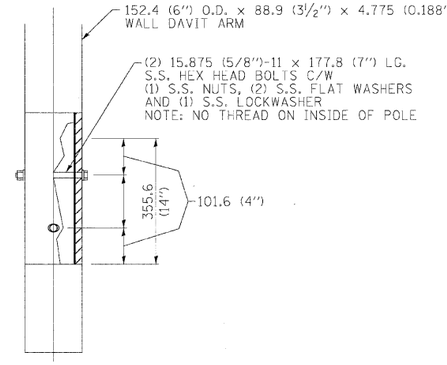


SIGN LIGHTING – ELEVATION VIEW

* ANGLE AS DIRECTED BY THE ENGINEER

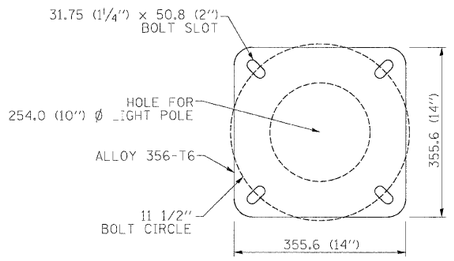


SINGLE ARM POLE



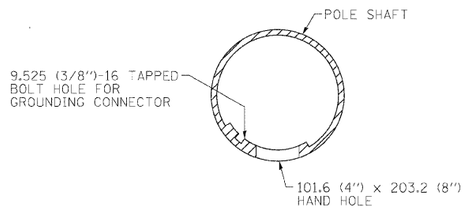
DAVIT ARM CONNECTION

[355.6 (14") OVERLAP SHOWN]



LIGHT POLE BASE PLATE DETAIL

(FOR POLE MOUNTED ON 381.0 (15 INCH) BOLT CIRCLE FOUNDATION OR BREAKAWAY TRANSFORMER BASE))



HANDHOLE DETAIL

(N.T.S.)

NOTES FOR SIGN LIGHTING:

1. SIGN LUMINAIRE SHALL BE B-K LIGHTING CATALOG NUMBER AL-77-BLP-30-B OR AN APPROVED EQUAL.
2. LINE VOLTAGE TO SIGN LUMINAIRE SHALL BE 120V.

SIGN LUMINAIRE FEATURES TO BE INCLUDED

ALL PRECISION MACHINED ALUMINUM CONSTRUCTION.

KNUCLE SYSTEM WHICH ALLOWS VERTICAL TO HORIZONTAL AND ROTATIONAL AIMING WITH POSITIVE AIM AND LOCK TECHNOLOGY. PROVIDES INTEGRAL WIREWAY.

MEDIUM BASE PULSE RATED LAMPHOLDER WITH 250 C, 18 Ga. WIRE LEADS (LEADS EXTEND 6" BEYOND MOUNTING KNUCLE).

UTILIZES PAR38 HALOGEN LAMP. 90W.

RAINTIGHT OPTICAL COMPARTMENT, CLEAR TEMPERED CLASS LENS, FACTORY SEALED.

TEMPERPROOF DESIGN, UTILIZES THREE HEX HEAD SET SCREWS.

POLYESTER POWDERCOAT FINISHES STANDARD. (SPECIFY)

NOTES FOR LIGHT POLE INSTALLATION:

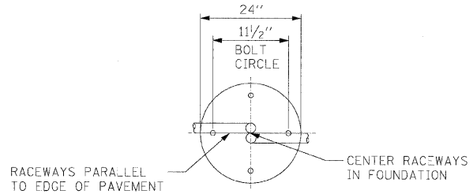
1. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.
2. MOUNTING HEIGHT IS DEFINED AS THE DISTANCE FROM THE CENTERLINE OF THE TENON TO THE BOTTOM OF THE ANCHOR BASE.
3. TWO PIECE SHAFT WILL BE MATCHED MARKED AND INTERCHANGEABLE BETWEEN DIFFERENT UNITS. FIELD DRILLING OF THE HOLES WILL NOT BE ALLOWED.
4. THE LIGHT POLE WILL MEET AASHTO DESIGN CRITERIA AS SPECIFIED.

   THE CONTRACTOR WILL PROVIDE A UL LISTED GROUNDING CONNECTOR. BURNDY K2023, T&B SPADL OR APPROVED EQUAL.
5. LIGHT POLES WILL NOT BE INSTALLED WITHOUT MAST ARMS AND LUMINAIRE.
6. LIGHT POLES WILL BE SET PLUMB ON THE FOUNDATION WITHOUT THE USE OF LEVELING NUTS, WASHERS OR SHIMS.
7. LIGHTING UNIT IDENTIFICATION NUMBERS WILL BE INSTALLED BEFORE THE LIGHTING UNIT IS ENERGIZED.
8. LIGHT POLE WILL BE INSTALLED ON SHORT BREAKAWAY TRANSFORMER BASE. BOLT CIRCLE OF THE TRANSFORMER BASE WILL MATCH THE BOLT CIRCLE OF THE POLE BASE AND BOLT CIRCLE OF THE FOUNDATION.
9. TRANSFORMER BASE WILL NOT BE PAID SEPARATELY BUT WILL BE INCLUDED IN THE LIGHT POLE BID ITEM.

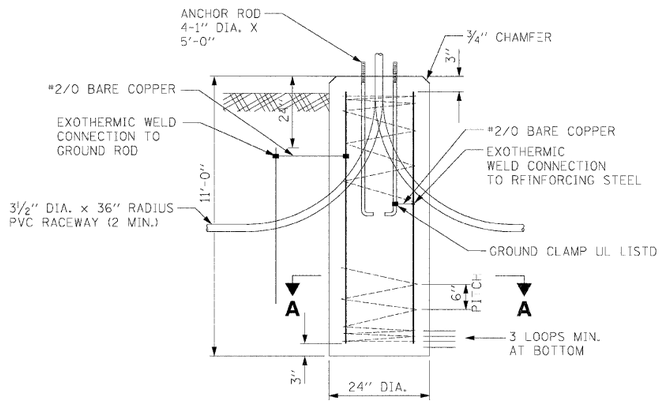
ILLINOIS YOUTH CENTER LIGHTING DETAILS

CONTRACT NO. 78058

FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, 4-2	SALINE	220	150
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

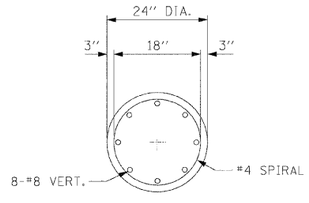


TOP VIEW

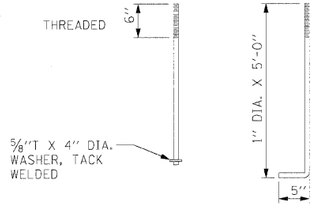


STREET LIGHT POLE FOUNDATION

N.T.S.



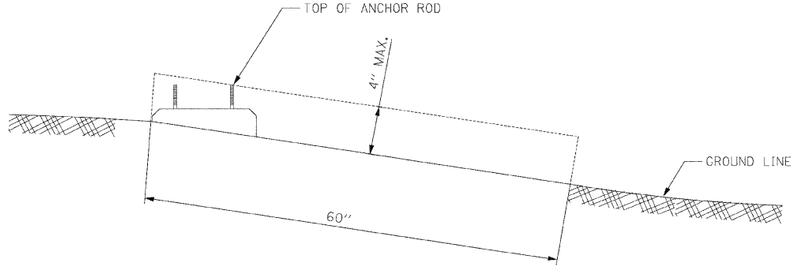
SECTION A-A



ANCHOR BOLT DETAIL

NOTES:

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
3. THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 4 IN. (100MM) ABOVE THE FINISHED GRADE WITHIN 60 IN. (1.5M) CHORD ACROSS FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
4. THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
5. THE TOPE OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 3/4-IN. (20MM).
6. THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
7. THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
8. THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
9. ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UM (6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
10. THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES(150MM) WITH A MINIMUM OF 3 INCHES (75MM) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
11. ANCHOR RODS SHALL PROJECT 2¾" (69.9MM) ABOVE THE TOP OF FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLING.
12. THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.44MM) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8MM) O.C. WITH THE APPROVAL OF THE ENGINEER.
13. THE CABLE TRENCHES AND FOUNDATION SHALL BE BACKFILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
14. THE RACEWAYS SHALL PROJECT 1" (25.4MM) ABOVE THE TOP OF THE FOUNDATION.
15. ANCHOR BOLT CIRCLE AND ANCHOR BOLT DIAMETER SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO INSTALLATION OF THE FOUNDATION.



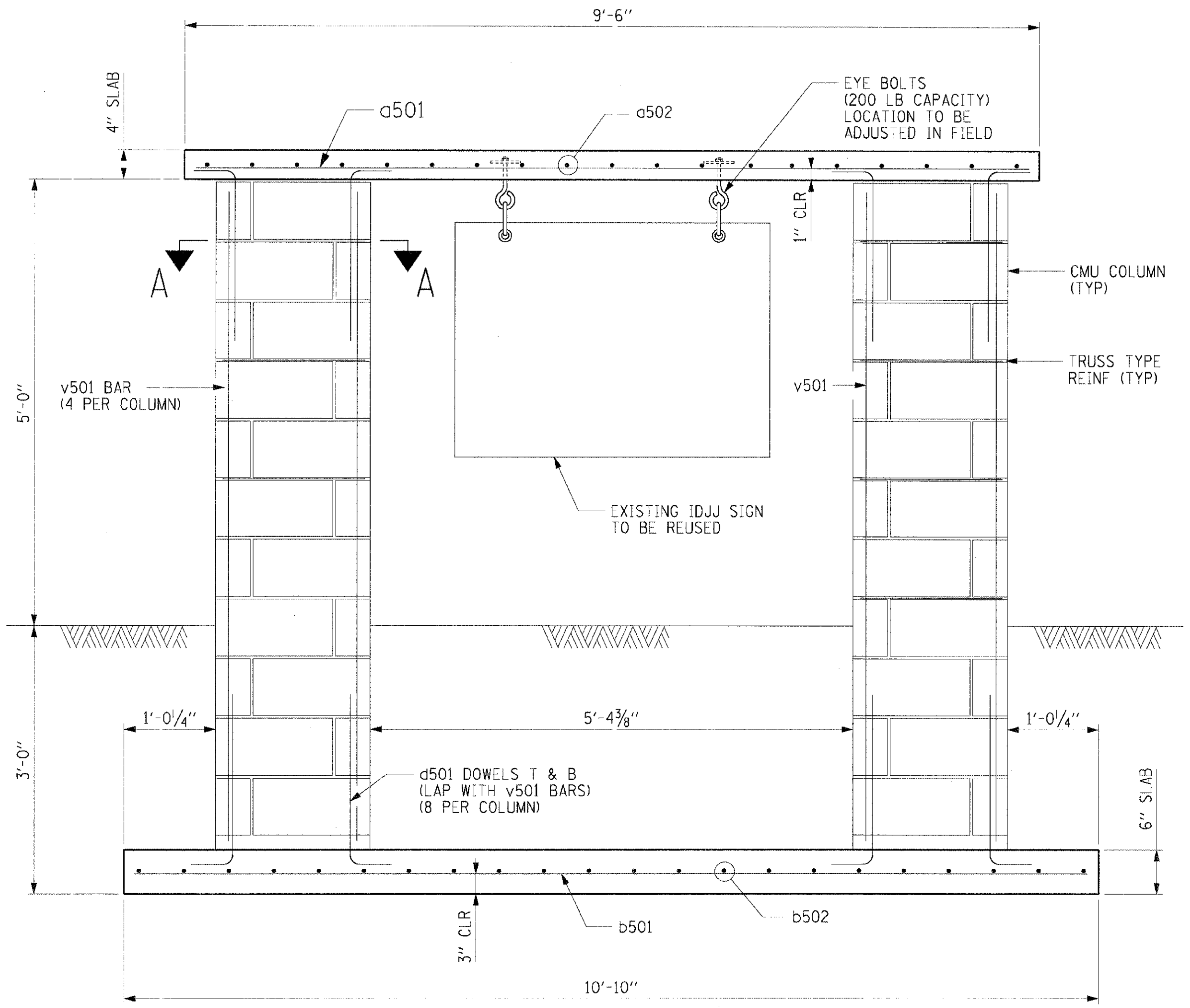
FOUNDATION EXTENSION DETAIL

CHECKED BY:GHT PLOT DATE:2/2/2009
DRAWN BY: VLM PLOT SCALE:149.9395

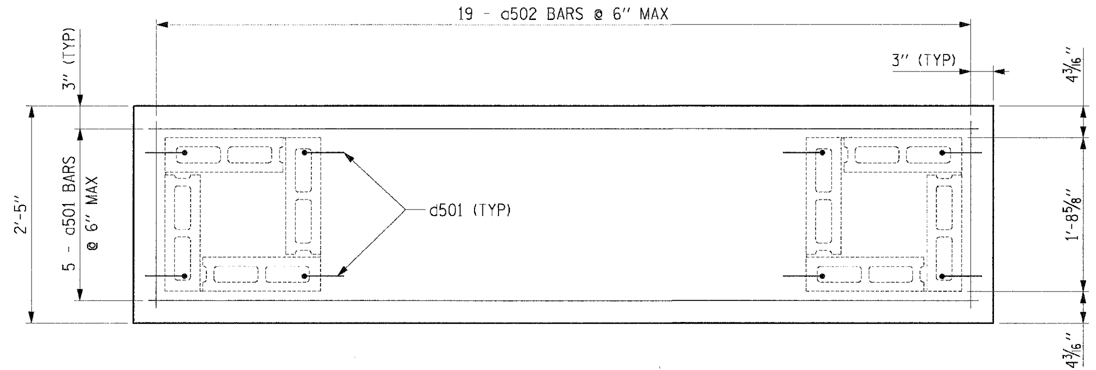
M:/PROJECTS/PROJ3536/ROADWAY/COMMON/
Active Files:
Reference Files:
Light.dgn

CONTRACT NO. 78058

FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, 4-2	SALINE	220	151
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



ELEVATION



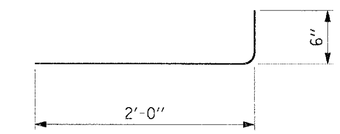
TOP SLAB REINFORCEMENT

REINFORCING BAR SCHEDULE

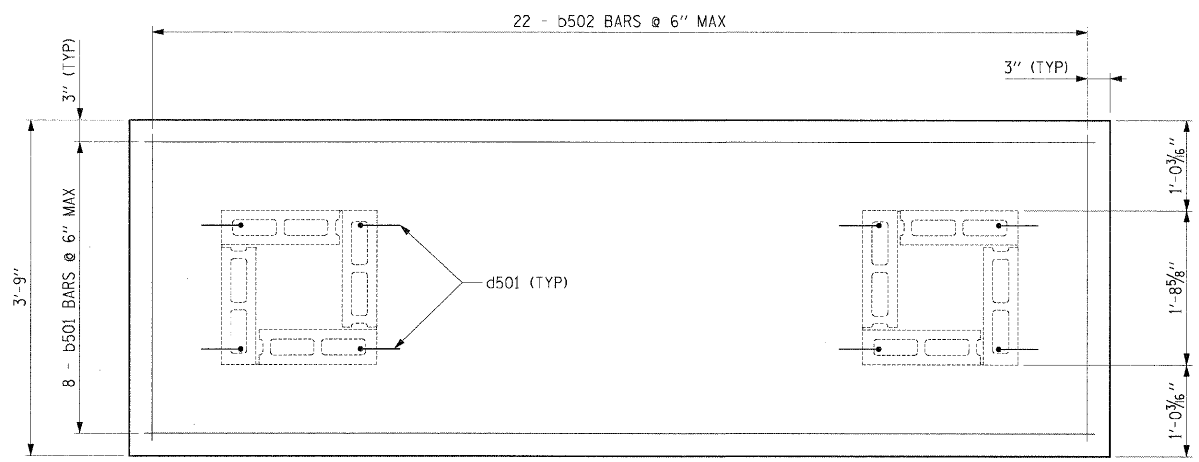
BAR	NO.	LENGTH	SIZE	SHAPE
a501	5	9'-2"	5	——
a502	19	2'-1"	5	——
b501	8	10'-6"	5	——
b502	22	3'-5"	5	——
d501	16	2'-6"	5	____|
v501	8	7'-2"	5	——

BILL OF MATERIAL

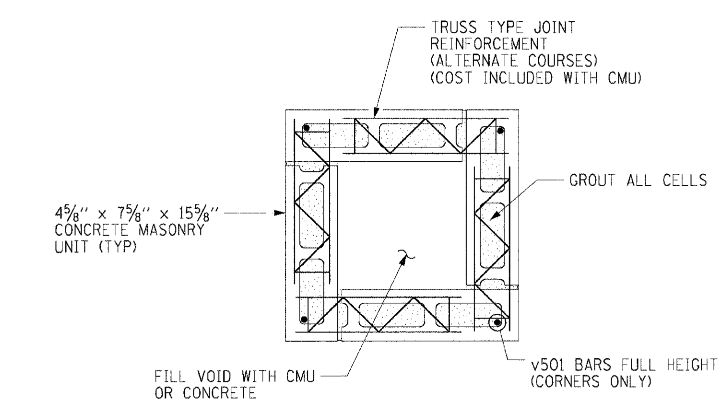
DESCRIPTION	UNIT	QUANTITY
CONCRETE STRUCTURES	CU.YDS.	1.5
REINFORCING BARS	LBS.	360
CMU COLUMNS	L. SUM	2



BAR d501



BOTTOM SLAB REINFORCEMENT



SECTIONJ A-A

General Notes

1. Concrete shall have a minimum of 3500 psi compressive strength after 14 days.
2. Reinforcement bars shall conform to the requirements of ASTM A706 Gr. 60. See Special Provision.
3. See Special Provisions for CMU Specifications (To be provided by IDJJ)
4. Material and construction of new sign structure and relocation of existing sign to be payed as a lump sum for SIGN STRUCTURE.

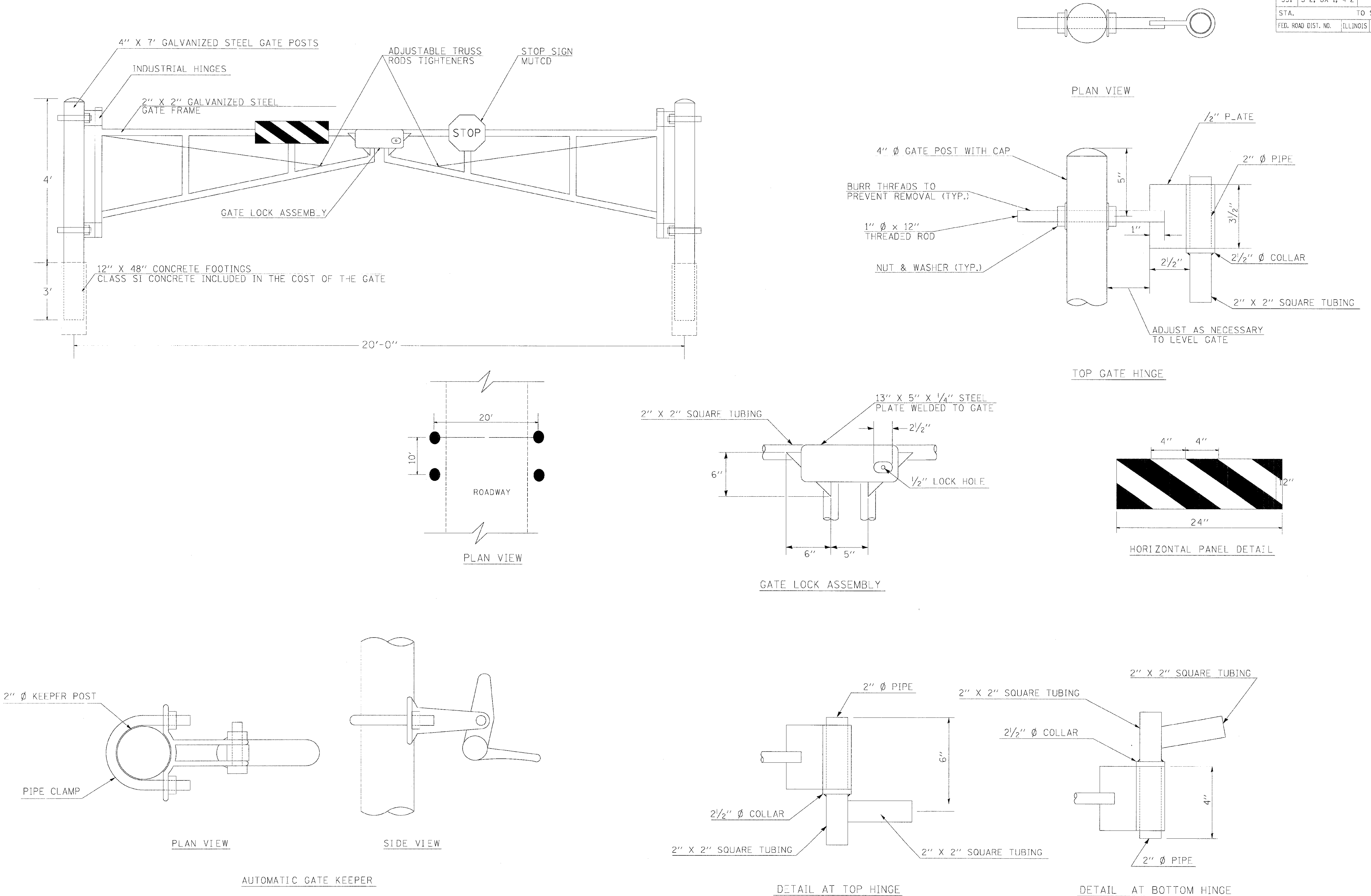
CHECKED BY HMA PLOT DATE 2/2/2005
DRAWN BY RMG PLOT SCALE 0.99999

M:/PROJECTS/PROJ3526/ROADWAY/COMMON/
Active File: SIGNSTRUC DTL.dgn
Reference Files:

ILLINOIS YOUTH CENTER SIGN STRUCTURE DETAILS

CONTRACT NO. 78058

FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, 4-2	SALINE	220	152
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



GATE DETAILS

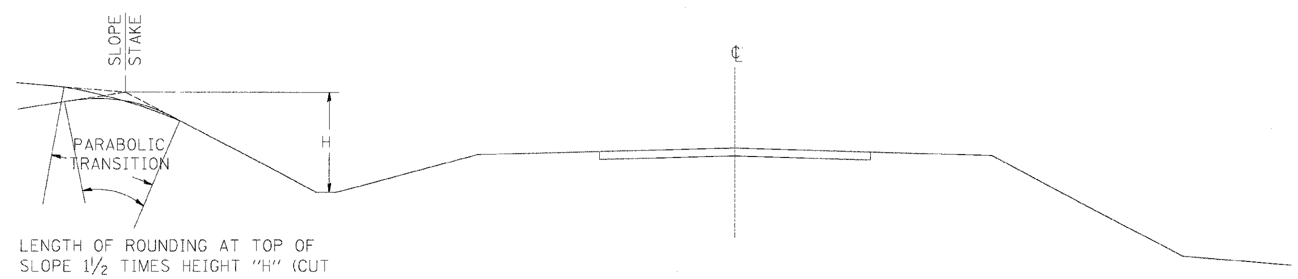
CHECKED BY BJW PLOT DATE 2/2/2005
DRAWN BY DWS PLOT SCALE 1:49.9995

M:/PROJ3526/ROADWAY/CONTRACT 1/STANDARDS/
Active Files: Reference Files:
std02-3526d6.dgn

DETAILS: GATE

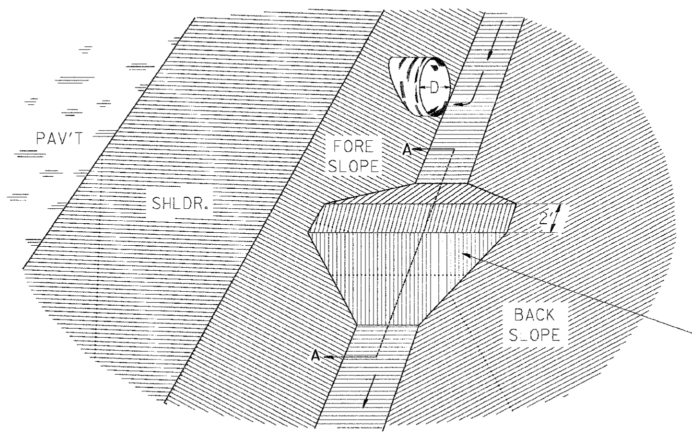
CONTRACT NO. 78058

FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, BX-1, 4-2	SALINE	220	153
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



LENGTH OF ROUNDING AT TOP OF SLOPE 1½ TIMES HEIGHT "H" (CUT IN FEET) OR TO R.O.W. LINE

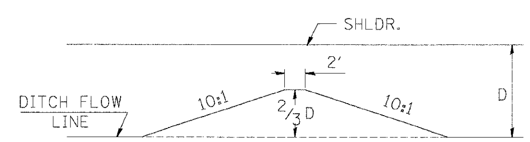
SECTION SHOWING TRANSITIONS OF PROPOSED SLOPES



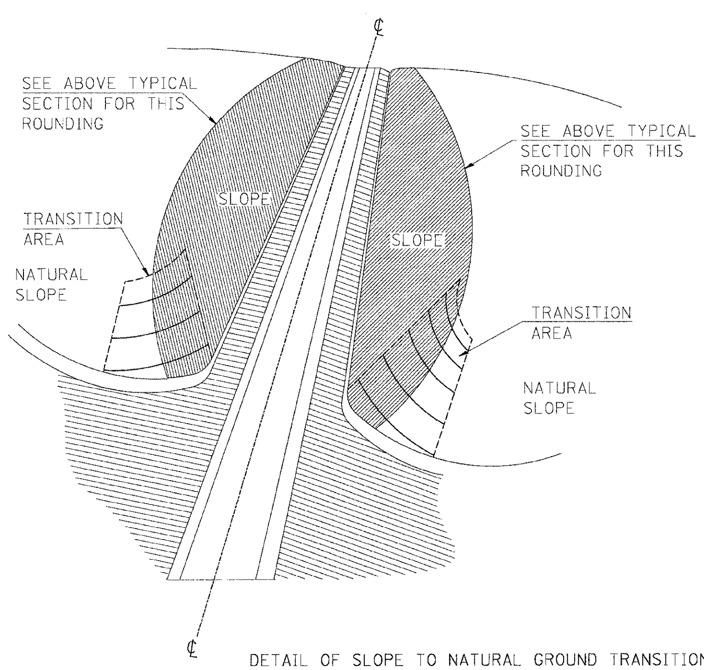
EARTH DITCH PLUG TO BE CONSTRUCTED AT LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER, AND TO BE CONSIDERED INCLUDED IN THE EARTH EXCAVATION.

DITCH PLUG DETAIL

NOTE: DITCH PLUG TO BE CONSTRUCTED AS DIRECTED BY THE ENGINEER, INCLUDED IN THE EARTH EXCAVATION



SECTION A-A



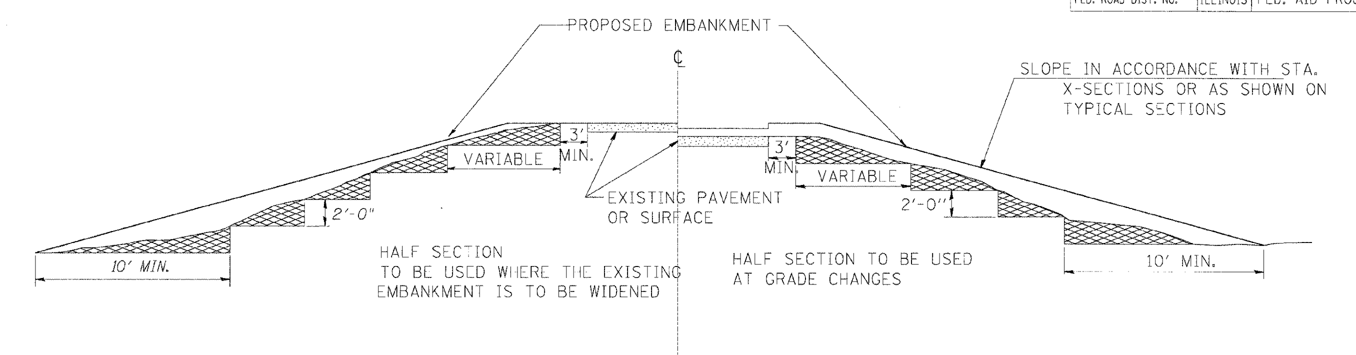
DETAIL OF SLOPE TO NATURAL GROUND TRANSITION

TRANSITION GRADING - TRANSITION GRADING BETWEEN CUT AND FILL SLOPES AND BETWEEN CUT SLOPES AND NATURAL GROUND WILL BE REQUIRED ON THIS IMPROVEMENT. THE TRANSITION SHALL BE ROUNDED AND STREAMLINED IN ORDER TO BLEND THE CUT SLOPES AND THE FILL SLOPES INTO EACH OTHER AND INTO THE ADJACENT TERRAIN. THE SLOPES AS SHOWN ON THE CROSS-SECTIONS IN THESE PLANS MAY BE VARIED SOMEWHAT IN THE TRANSITION AREAS AS DIRECTED BY THE ENGINEER IN ORDER TO MEET THIS GRADING REQUIREMENT. THE QUANTITIES OF EARTH EXCAVATION INVOLVED ARE INCLUDED IN THE BALANCE QUANTITIES SHOWN ON THE PLANS AND NO OTHER COMPENSATION WILL BE ALLOWED.

REVISIONS	
REDRAWN	2-15-89

STD. 9-17

TYPICAL SECTIONS OF TRANSITIONS OF SLOPES AND INCIDENTAL GRADING

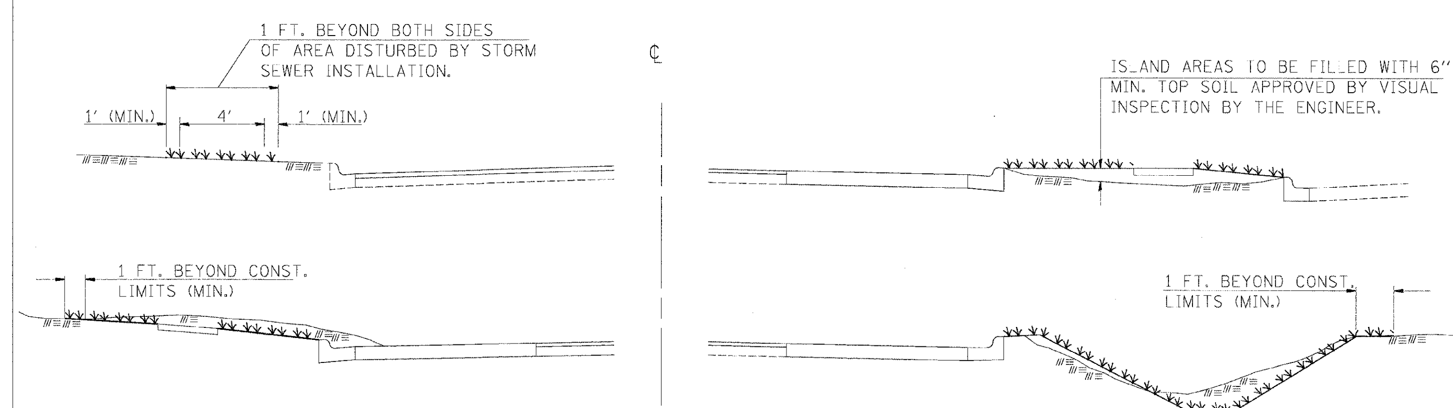


MATERIAL TO BE REMOVED AND REPLACED IN THE EMBANKMENT IN ACCORDANCE WITH ART. 205.04 OF THE STANDARD SPECIFICATION. COST TO BE INCLUDED IN THE VARIOUS ITEMS OF EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED BECAUSE OF THIS WORK.

REVISIONS	
REDRAWN	2-15-89
REVISED	8-15-94
CHECKED	6-3-99

STD. 9-16

TYPICAL CROSS SECTION SHOWING STEP CONSTRUCTION ON EXISTING FILL



GENERAL NOTES

SEEDING, CLASS 2B SHALL BE USED BEHIND ALL CURB AND GUTTER TO 1 FT. BEYOND CONSTRUCTION LIMITS.

IN GENERAL, ALL EARTH SURFACES DISTURBED DURING CONSTRUCTION OPERATIONS SHALL BE SEEDED AND MULCHED UPON COMPLETION OF ALL GRADING OPERATIONS.

FERTILIZER NUTRIENTS AND LIMESTONE SHALL BE APPLIED TO ALL SEEDED AREAS.

THE RATES OF APPLICATION OF FERTILIZER, MULCH AND LIMESTONE SHALL BE AS SPECIFIED IN THE STANDARD PROVISIONS.

SECTIONS 250 AND 251 OF THE STANDARD SPECIFICATIONS SHALL GOVERN THIS WORK EXCEPT AS SPECIFIED HEREIN OR AS NOTED IN THE SPECIAL PROVISIONS.

INDICATES LIMITS OF SEEDING & MULCHING

REVISIONS	
DRAWN	6-15-89
REVISED	8-16-94

STD. 9-52

SEEDING & MULCHING

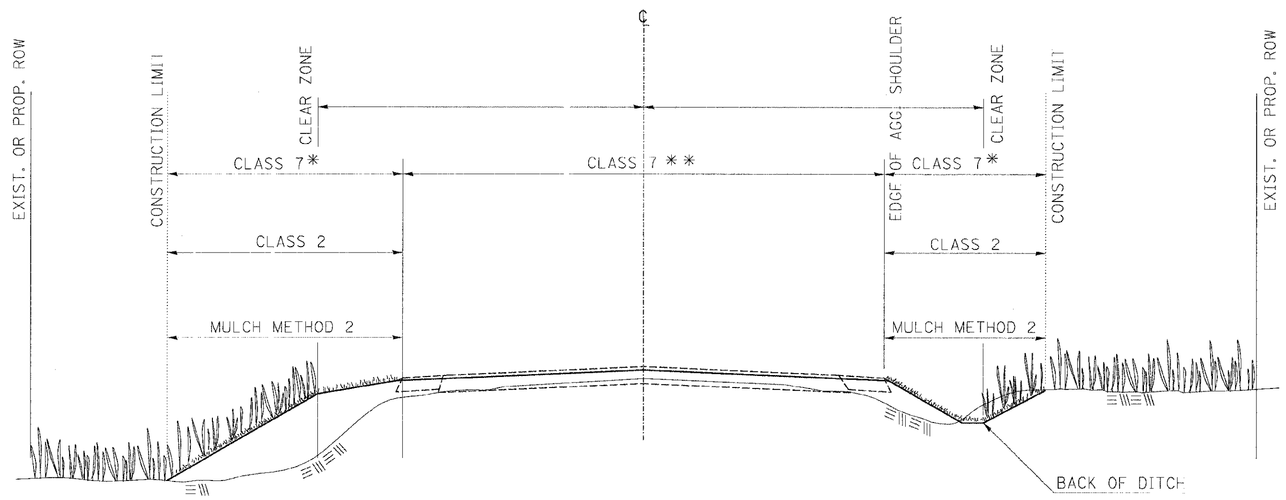
CHECKED BY BJM PLOT DATE 2/2/2009
DRAWN BY DWS PLOT SCALE 1:49.9995

M:/PROJ3526/ROADWAY/CONTRACT 1/STANDARDS/
Active File: std02-3526c6.dgn
Reference Files:

DETAILS: SLOPES & INCIDENTAL GRADING, SEEDING & MULCHING, STEP CONSTRUCTION

CONTRACT NO. 78058

FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, 4-2	SALINE	220	154
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



LIMITS OF SEEDING FOR FINAL GRADING

* AS REQUIRED (SEE NOTES)

** FOR NEW LANES ONLY

NOTES

IN GENERAL, ALL EARTH SURFACES DISTURBED DURING CONSTRUCTION OPERATIONS SHALL BE SEEDED AND MULCHED UPON COMPLETION OF ALL GRADING OPERATIONS.

SEEDING, CLASS 7 AND MULCH, METHOD 2 SHALL BE USED TO SEED AND MULCH ALL DISTURBED AREAS WHICH CANNOT BE FINAL SEEDED PRIOR TO SHUTDOWN OF THE CONTRACTOR'S OPERATIONS BETWEEN CONSTRUCTION SEASONS OF THE CONTRACT.

FERTILIZER NUTRIENTS AND LIMESTONE SHALL BE APPLIED TO AREAS WITH SEEDING, CLASS 2.

THE RATES OF APPLICATION OF FERTILIZER, MULCH AND LIMESTONE SHALL BE AS SPECIFIED IN THE STANDARD SPECIFICATIONS.

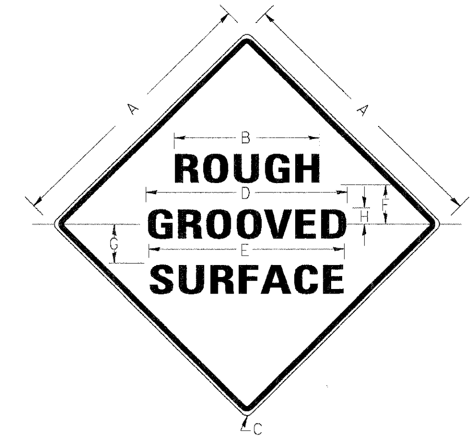
SECTIONS 250 AND 251 OF THE STANDARD SPECIFICATIONS SHALL GOVERN THIS WORK EXCEPT AS SPECIFIED HEREIN OR AS NOTED IN THE SPECIAL PROVISIONS.

REVISIONS

DRAWN 10-18-99

STD. 9M-109

SEEDING, MULCHING & MOWING LIMITS



COLORS:

LEGEND AND BORDER BLACK NON-REFLECTORIZED

BACKGROUND ORANGE REFLECTORIZED

SIGN SIZE	DIMENSIONS A	B	C	D	E	F	G	H
48X48	48.0	24.1	3.0	34.0	33.0	6.0	13.0	3.5

SIGN SIZE	SERIES LINES 1	2	3	MARGIN	BORDER	BLANK STD.
48X48	7C	7C	7C	0.8	1.2	B4 48D

ALL DIMENSIONS IN INCHES

NOTE: PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED, THE CONTRACTOR SHALL HAVE ERECTED "ROUGH GROOVED SURFACE" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE "ROUGH GROOVED SURFACE" SIGNS UNTIL THE COLDMILLED SURFACE IS COVERED WITH LEVELING BINDER OR SURFACE COURSE.

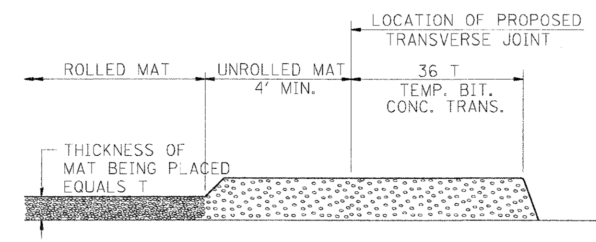
IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

REVISIONS	
REDRAWN	2-15-89
REVISED	4-6-93

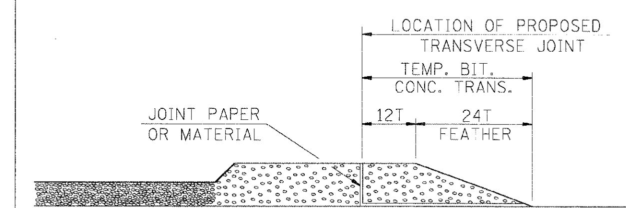
STD. 9-39

ILLINOIS STANDARD
W8-I106



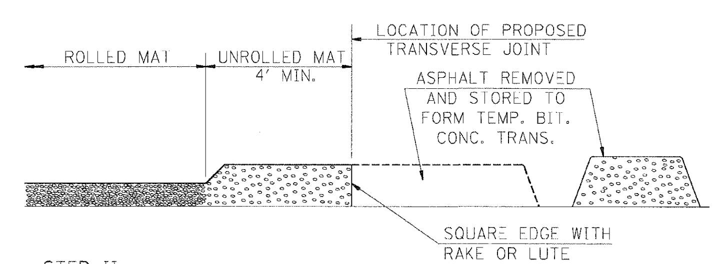
STEP I

1. PLACE BITUMINOUS MAT, LENGTH 36 TIMES THE THICKNESS OF THE MAT BEING PLACED PAST THE PROPOSED TRANSVERSE JOINT LOCATION USING NORMAL OPERATING PROCEDURES.
2. EXTREME CARE SHOULD BE TAKEN TO MAINTAIN ENOUGH MATERIAL IN FRONT OF THE SCREED TO MAINTAIN REQUIRED PAVING DEPTH.



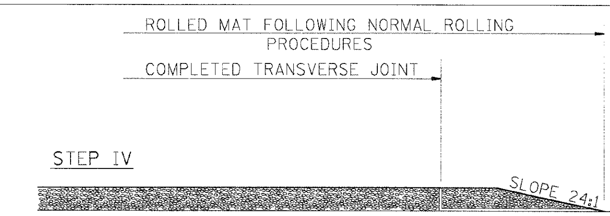
STEP III

1. JOINT PAPER OR OTHER PRESELECTED JOINT MATERIAL IS THEN PLACED IN THE CLEARED AREA AND THE EXCESS ASPHALT USED TO HAND FORM A TRANSITION TO THE DIMENSIONS SHOWN ABOVE.
2. NOTE THAT IN CONSTRUCTING THE TRANSITION, THE MAT DEPTH IS CONTINUED AS PART OF THE TRANSITION BEFORE FORMING THE FEATHER.



STEP II

1. MOVE THE PAVER OUT OF THE WAY AND REMOVE THE ASPHALT FROM THE AREA OF THE PROPOSED TEMPORARY BITUMINOUS CONCRETE TRANSITION.
2. SQUARE UP THE END OF THE MAT WITH A RAKE OR LUTE.
3. NOTE THAT THE MAT WITHIN 4' OF THE END OF JOINT IS NOT TO BE ROLLED AT THIS TIME.



1. COMPLETE TEMPORARY TRANSITION BY ROLLING.
2. TO RESUME PAVING, AT THE JOINT, REMOVE TEMPORARY TRANSITION AND DISPOSE OF THE MATERIAL ACCORDING TO ART. 202.03 OF THE STD. SPECS. (COST INCLUDED IN THE CONTRACT).
3. CONSTRUCTING THE TEMPORARY TRANSITIONS WILL BE PAID FOR IN ACCORDANCE WITH ART. 406.24 OF THE STD. SPECS.

REVISIONS	
REDRAWN	2-15-89
REVISED	8-16-94

STD. 9-26

TEMPORARY BITUMINOUS CONCRETE TRANSITIONS

CHECKED BY BJM PLOT DATE 2/2/2009

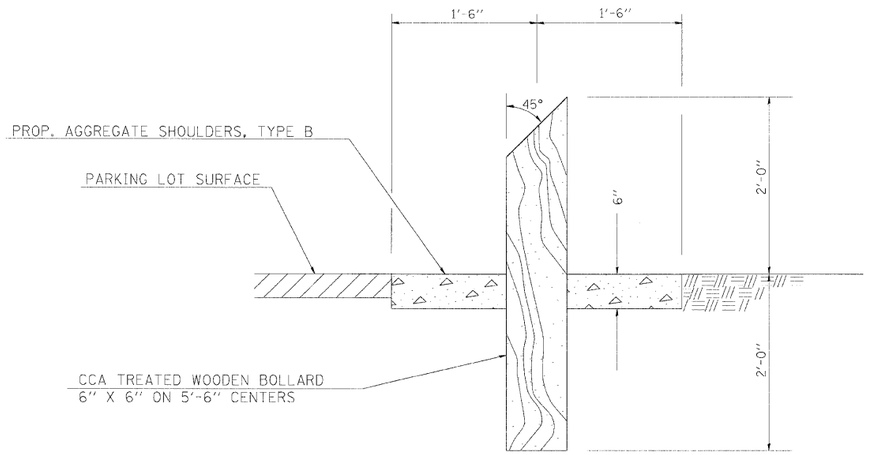
DRAWN BY DMS PLOT SCALE 1149.9995

M:/PROJ3526/ROADWAY/CONTRACT 1/STANDARDS/ Active File: std03-3526c6.dgn Reference Files:

DETAILS: SEEDING, MULCHING & MOWING LIMITS, ILL. STANDARD W8-I106, BITUMINOUS TRANSITIONS

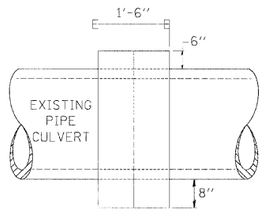
CONTRACT NO. 78058

FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, 4-2	SALINE	220	155
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

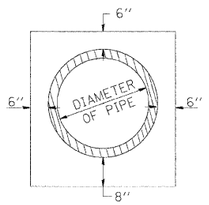


NOTE: 3' AGG SHOULDERS, TYPE B SHALL BE CONSTRUCTED A UNIFORM 6" THICK AT BOLLARD LOCATIONS.

WOOD BOLLARD DETAIL



SIDE VIEW



END VIEW

TABULATION

DIAMETER OF PIPE	CL. SI CONC. CU. YDS. EST.
12"	0.24
15"	0.28
18"	0.32
24"	0.44
30"	0.56
36"	0.66
42"	0.80
48"	0.93
54"	1.07
60"	1.22
72"	1.55

THE CONCRETE COLLAR SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR **CONCRETE COLLAR,** AS SHOWN ON THE PLANS, WHICH PRICE SHALL INCLUDE THE REMOVAL OF SUCH PORTIONS THE EXISTING HEADWALLS AS MAY BE REQUIRED.

CLASS SI CONCRETE SHALL BE USED THROUGHOUT.

DETAILS OF CONCRETE COLLAR

PIPE TO PIPE

REVISIONS	
REDRAWN	7-13-90
REVISED	8-22-94

STD. 9-79

M:/PROJ3526/ROADWAY/CONTRACT 1/STANDARDS/
STD# 352605-09p1
Reference Files:

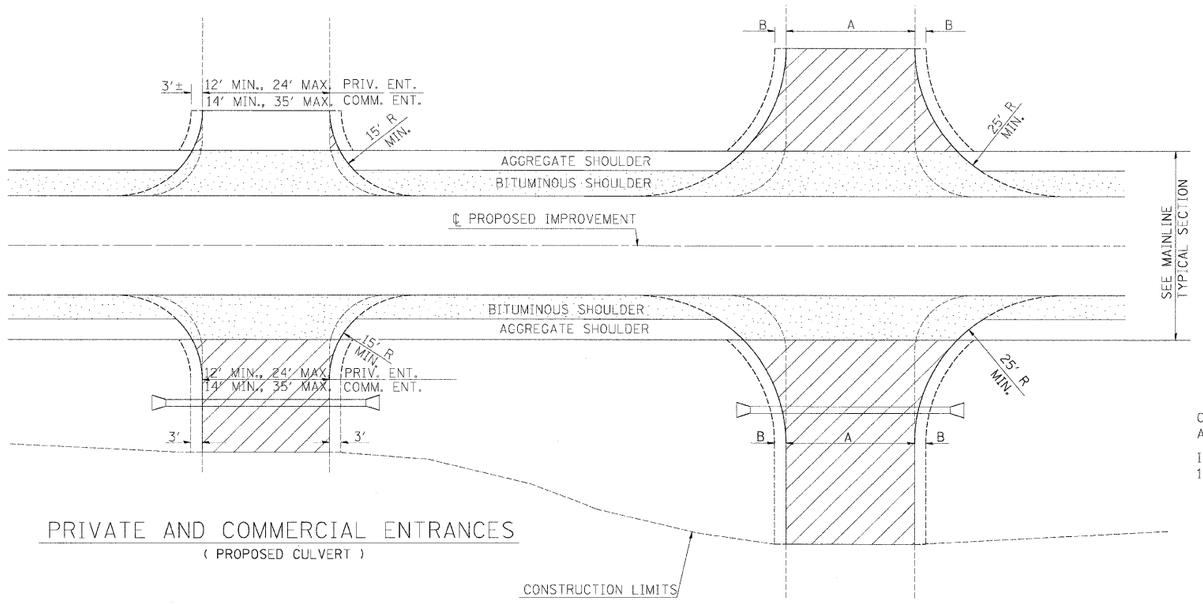
CHECKED BY BJM PLOT DATE 2/2/2009
DRAWN BY DMS PLOT SCALE 1149.9995

DETAILS: WOOD BOLLARD, CONCRETE COLLAR

CONTRACT NO. 78058

FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, 4-2	SALINE	220	156
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PRIVATE AND COMMERCIAL ENTRANCES



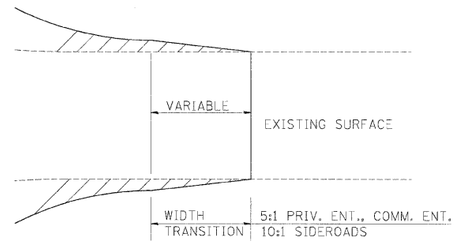
SIDEROADS

SIDEROAD DIMENSIONS (MIN.)

ADT	A (FT.)	B (FT.)
0 TO 250	18'	2'
250 TO 400	20'	2'
GREATER THAN 400	22'	4'

WIDTH TRANSITION DETAIL TO EXISTING

(IF APPLICABLE)

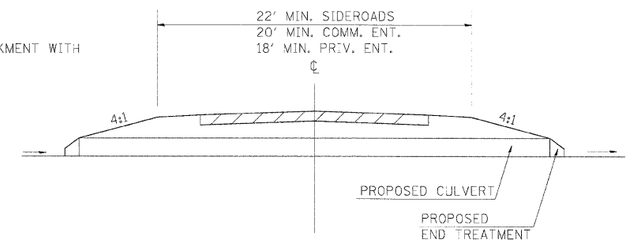


FIELD ENTRANCE TREATMENT

CONSTRUCT MAINLINE BITUMINOUS AND AGGREGATE SHOULDERS THROUGH FIELD ENTRANCES.

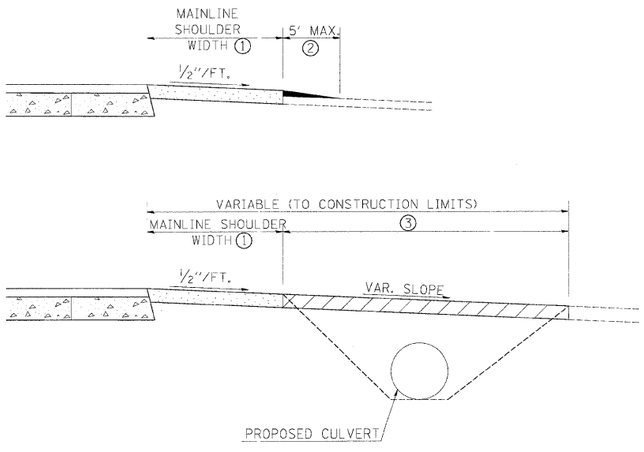
IF A PIPE IS REQUIRED, PROVIDE A 22' WIDE EARTH EMBANKMENT WITH 15' RADII AT THE INTERSECTION.

DETAIL FOR CALCULATING CULVERT LENGTH



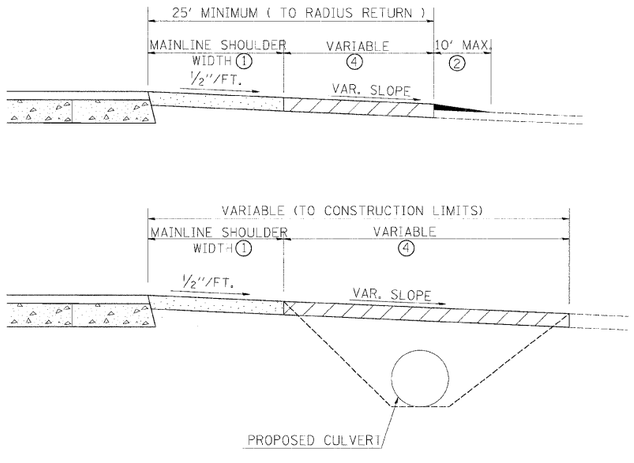
PRIVATE AND COMMERCIAL ENTRANCES

(PROPOSED CULVERT)



SIDEROADS

(PROPOSED CULVERT)



LEGEND

① CONSTRUCT BITUMINOUS SHOULDER "FULL SHOULDER WIDTH" THROUGH ENTRANCE/INTERSECTION UNLESS OTHERWISE SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

② IF REQUIRED, AGGREGATE TAPER FOR EXISTING GRAVEL SURFACE; BITUMINOUS TAPER FOR EXISTING HIGHER TYPE SURFACES.

③ 6" AGGREGATE SURFACE COURSE FOR EXISTING GRAVEL SURFACE; 2" BITUMINOUS RESURFACING ON 4" AGGREGATE BASE COURSE FOR EXISTING BITUMINOUS SURFACE;

④ 2" MINIMUM BITUMINOUS RESURFACING ON 8" MINIMUM AGGREGATE BASE COURSE FOR EXISTING GRAVEL SURFACE OR OIL & CHIP SURFACE; MATCH EXISTING FOR EXISTING HIGHER TYPE SURFACES.

GENERAL NOTES

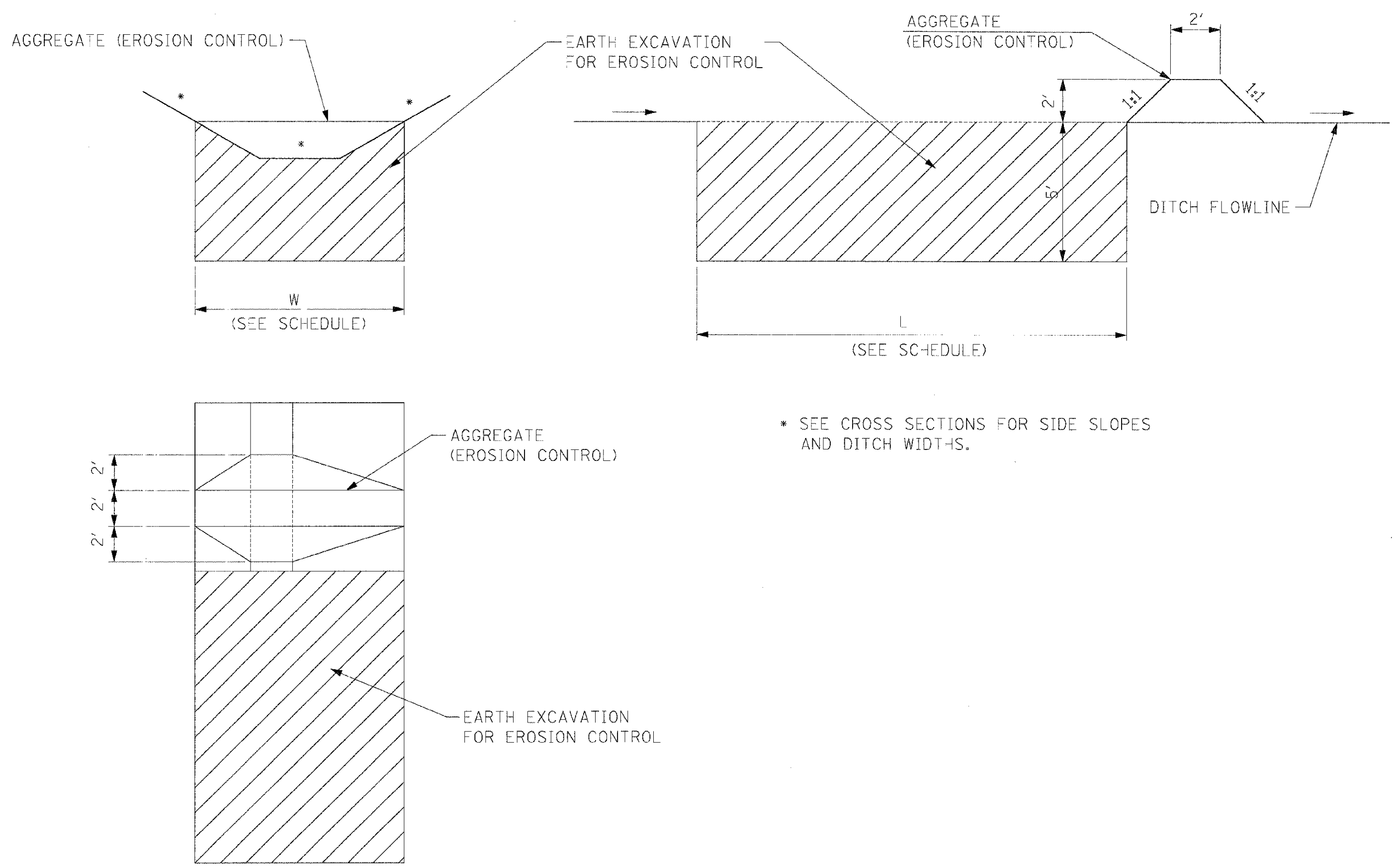
1. ENTRANCE LOCATIONS ARE TO COMPLY WITH IDOT'S POLICY "ACCESS TO STATE HIGHWAYS".
2. IN GENERAL, RELOCATED PRIVATE ENTRANCES ARE TO HAVE A 16' WIDE SURFACE WITH 3' WIDE SHOULDERS (22' WIDE EMBANKMENT).
3. SEE PLANS FOR PROPOSED PROFILE GRADES AT ENTRANCES/SIDEROADS. THE DESIRABLE MAXIMUM PROFILE GRADE FOR ENTRANCES ARE 12% FOR PE; 10% FOR CE.
4. ENTRANCE PIPE CULVERTS ARE TO BE A MINIMUM 15" DIAMETER AND NORMALLY REPLACED IN KIND; SIDEROAD PIPE CULVERTS ARE GENERALLY TO BE CONCRETE (18" MINIMUM DIAMETER).
5. THE INTERSECTION RADII OF SIDEROADS CONSTRUCTED TO FULL POLICY STANDARDS SHOULD COMPLY WITH THAT NOTED IN THE BUREAU OF LOCAL ROADS ADMINISTRATIVE POLICIES MANUAL (5-8-13).

REVISIONS	
DRAWN	3-15-91
REVISED	10-02-91
REVISED	5-15-92
REVISED	1-20-00

STD. 9-83

RURAL SIDE APPROACH DETAILS

M:/PROJ3526/ROADWAY/CONTRACT I/STANDARDS/
ACTIVE FILE: Reference Files:
d:\DGS 3526c65.dgn
CHECKED BY BJW PLOT DATE 2/2/2009
DRAWN BY DWS PLOT SCALE 1:49.9995



* SEE CROSS SECTIONS FOR SIDE SLOPES AND DITCH WIDTHS.

SEDIMENT BASIN DESIGN

STATION	LENGTH (FT)	WIDTH (FT)	EARTH EXCAVATION FOR EROSION CONTROL (CU. YD.)	AGGREGATE (EROSION CONTROL) (TON)
RIGHT (C/L ILL 13 RELOCATION)				
998+50	450	18	390	3.64
1006+50	450	18	390	3.64

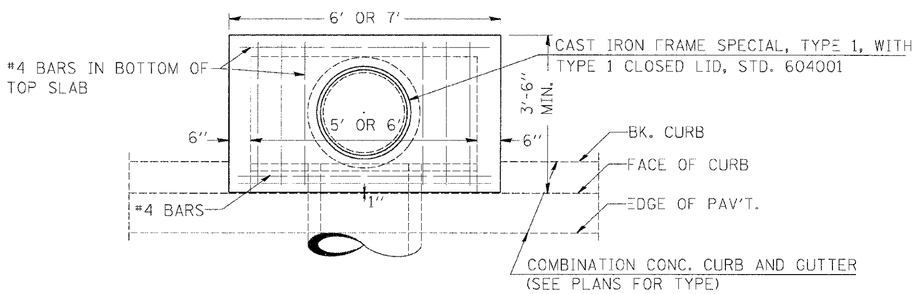
STATION	LENGTH (FT)	WIDTH (FT)	EARTH EXCAVATION FOR EROSION CONTROL (CU. YD.)	AGGREGATE (EROSION CONTROL) (TON)
LEFT (C/L ILL 13 RELOCATION)				
982+00	350	18	300	3.64
995+00	350	18	300	3.64
1007+00	350	18	300	3.64
TOTAL				

SEDIMENT BASIN

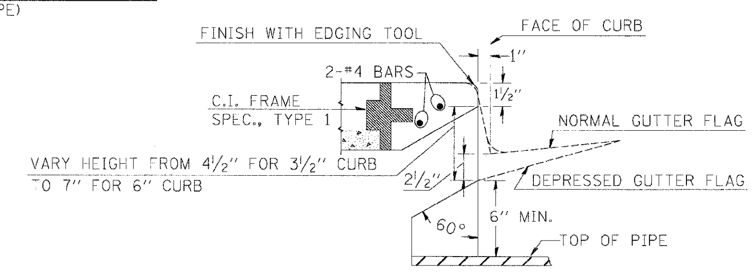
CHECKED BY BJW PLOT DATE 2/2/2009
DRAWN BY DWS PLOT SCALE 1:49.9995

M:/PROJ3526/ROADWAY/CONTRACT 1/STANDARDS/
Active File: stc06-3526c6.dgn
Reference Files:

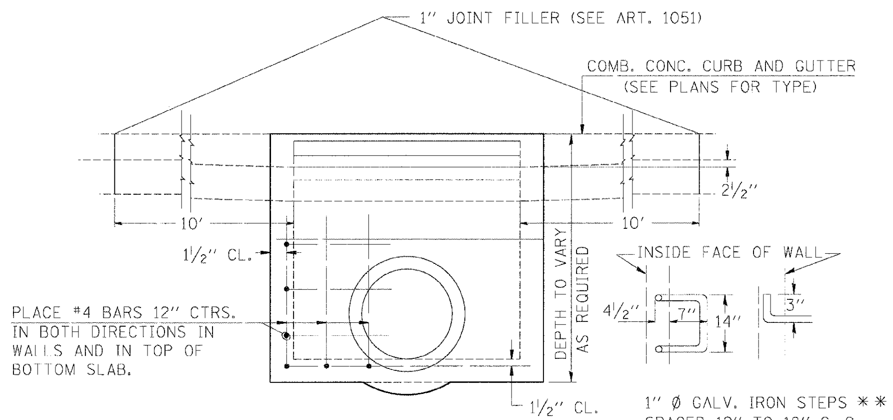
DETAILS OF INLET SPECIAL, TYPE 3, 5 FEET AND 6 FEET



PLAN



DETAIL AT WEIR



ELEVATION

1" Ø GALV. IRON STEPS ** SPACED 12" TO 18" C.-C. USE WHEN INLET IS OVER 4' DEEP.

DESIGN	PIPE DIAM.	"D"
A	18"&LESS	2'-6"
B	21"&24"	3'-0"
C	27"&30"	3'-7"
D	33"&36"	4'-2"
E	42"	4'-9"
F	48"	5'-0"
G	54"	6'-1"

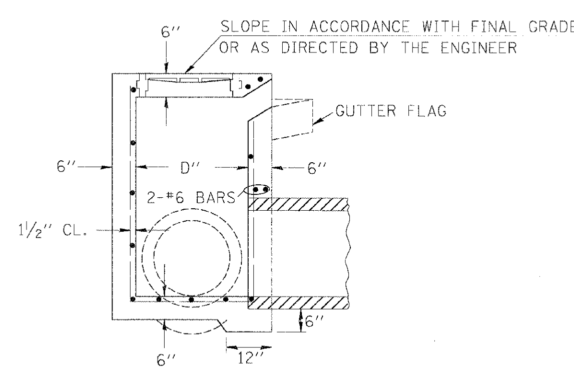
NOTES:

CLASS SI CONCRETE SHALL BE USED THROUGHOUT. SET FACE OF INLET 1" BEHIND FACE OF CURB. DEPRESS GUTTER FLOWLINE AT INLET 2½" BELOW NORMAL GUTTER FLOWLINE. CONSTRUCT TRANSITION IN FLOWLINE IN 10 FEET EACH SIDE OF INLET. PIPES TO BE CONNECTED TO INLET AS SHOWN ON STORM SEWER LAYOUT.

INLETS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR INLET, SPECIAL, TYPE 3, 5 FEET OR INLET, SPECIAL, TYPE 3, 6 FEET WHICH PRICE SHALL INCLUDE THE CAST IRON FRAME, SPECIAL, TYPE 1 WITH TYPE 1 CLOSED LID, THE REINFORCEMENT BARS, METAL STEPS AND JOINT FILLER.

** THE GALV. IRON STEPS AS DETAILED HEREON ARE TYPICAL. STEPS OF OTHER DESIGN AND MATERIAL THAT WILL CONFORM TO THE MINIMUM REQUIREMENTS OF THE STEPS SHOWN, MAY BE USED WHEN APPROVED BY THE ENGINEER.

INLETS MAY BE PRECAST WHEN APPROVED BY THE ENGINEER.

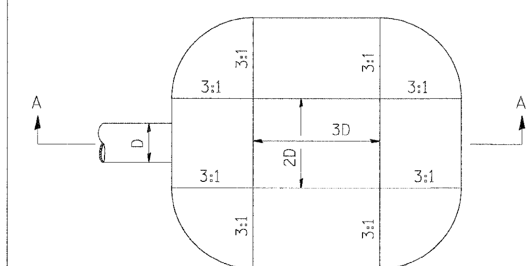


SECTION

REVISIONS	
REDRAWN	2-15-89
REVISED	8-15-94
REVISED	1-19-99

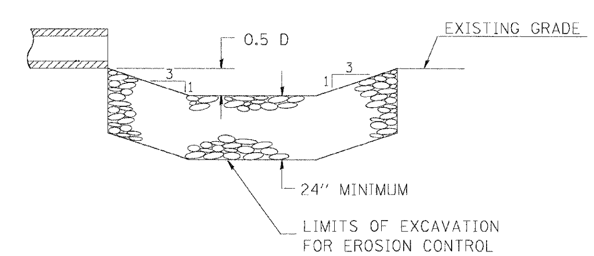
STD. 9-1

ENERGY DISSIPATOR



D= INSIDE DIAMETER OF PIPE CULVERT OR CLEAR HEIGHT OF BOX CULVERT

PLAN



SECTION A-A

EARTH EXCAVATION FOR ENERGY DISSIPATOR

THIS WORK INVOLVES THE EXCAVATION OF EARTH AS SHOWN IN THE SKETCH TO THE LENGTH, WIDTH, AND DEPTH AS SPECIFIED. THE EARTH EXCAVATION WILL BE UTILIZED IN THE ROADWAY EMBANKMENT OR WASTED AS DIRECTED BY THE ENGINEER. THE EXCAVATION SHALL BE PERFORMED AT THE SAME TIME AS THE CULVERT OR DITCH IS CONSTRUCTED TO SERVE AS A TEMPORARY SEDIMENT TRAP.

EARTHWORK WILL BE CONSIDERED INCLUDED IN THE COST OF THE RIPRAP.

ENERGY DISSIPATOR SHALL NOT BE CONSTRUCTED UNTIL THE PERMANENT SLOPE OR DITCH STABILIZATION HAS BEEN INSTALLED.

ENERGY DISSIPATOR IS TO BE CONSTRUCTED AT THE LOCATION INDICATED ON THE PLAN AND PROFILE SHEETS.

RIPRAP FOR ENERGY DISSIPATOR

RIPRAP FOR ENERGY DISSIPATOR SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 281 OF THE STANDARD SPECIFICATIONS EXCEPT AS REVISED HEREIN.

THE LENGTH, WIDTH, AND DEPTH FOR RIPRAP PLACEMENT SHALL BE AS SPECIFIED IN THESE DETAILS.

THE RIPRAP FOR THE ENERGY DISSIPATOR SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR STONE RIPRAP, CLASS A4.

THE STONE DUMPED RIPRAP SHALL CONFORM TO THE QUALITY AND GRADATION REQUIREMENTS OF STONE RIPRAP, CLASS A4.

FILTER FABRIC AND BEDDING MATERIAL AS SPECIFIED IN SECTION 281 OF THE STANDARD SPECIFICATIONS WILL NOT BE REQUIRED.

REVISIONS	
REDRAWN	2-15-89
REVISED	11-3-93
REVISED	8-15-94

STD 9-6

CHECKED BY BJW PLOT DATE 2/2/2009 DRAWN BY DMS PLOT SCALE 1:45.9995

M:/PROJ3526/ROADWAY/CONTRACT 1/STANDARDS/ Active Files: std07-3526d6.dgn Reference Files:

Station Location	End Area Square Feet			
	Undercut	Pregrading	Cut	Fill
ILLINOIS 13 RELOCATION				
950+00			104.9	21.8
951+00			123.4	19.7
952+00			120.4	56.1
953+00			117.1	90.6
954+00			111.4	124.8
955+00			143.9	188.0
956+00			157.5	167.9
957+00			73.7	291.2
958+00			76.8	308.8
959+00			95.2	446.7
960+00			73.0	412.4
961+00			74.3	439.0
962+00			76.2	454.5
963+00			52.3	440.1
965+00			436.7	18.9
966+00			84.1	401.4
967+00			176.9	444.2
968+00			59.0	566.6
969+00			309.8	513.6
970+00			474.2	323.5
971+00			360.1	377.9
972+00			688.5	43.4
973+00			716.9	259.8
974+00			737.7	82.8
975+00			723.8	7.3
976+00			834.2	3.1
977+00			241.8	107.2
978+00	200.0		279.0	352.8
979+00	194.0		338.1	297.4
980+00	192.0		141.9	160.6
981+00	184.0		262.9	255.6
982+00	148.0		202.4	374.1
983+00		143.9	183.1	478.8
984+00		136.4	523.1	508.4
985+00		98.7	539.4	444.5
986+00		95.1	397.4	510.4
987+00		94.4	401.0	456.7
988+00		31.8	71.9	665.8
989+00		85.5	434.9	460.4
990+00		84.4	454.9	436.5
990+50		86.3	468.7	429.8
991+00		92.5	494.0	419.5
992+00		128.4	513.0	403.4
993+00		142.5	599.7	393.3
994+00		162.9	363.2	402.0
995+00		212.1	125.3	319.6
995+50		181.0	183.8	443.6
996+00		206.6	348.9	449.9
997+00		197.2	344.5	423.1
998+00		184.1	324.1	458.5
999+00		202.9	399.3	485.9
1000+00		164.3	410.0	498.1
1000+50		143.9	406.5	526.4
1001+00		181.3	403.0	594.5
1002+00		163.5	422.0	626.6
1003+00		163.9	413.7	653.4
1004+00		168.6	429.8	759.3
1005+00		164.4	431.0	800.1
1005+50		161.5	441.8	872.6
1006+00		169.2	462.2	918.4
1007+00		172.3	440.7	998.8
1008+00		191.1	477.2	1095.4
1009+00		191.7	525.5	1116.5
1010+00		173.4	499.6	1273.8

Station Location	End Area Square Feet			
	Undercut	Pregrading	Cut	Fill
ILLINOIS 13 RELOCATION				
1010+50		168.8	493.7	1283.4
1011+00		170.0	584.0	1279.7
1012+00		190.5	242.6	1386.3
1013+00			739.0	
1014+00			613.4	
1015+00		142.5	212.4	1089.7
1015+45		128.4	467.5	1052.7
1016+00		136.9	563.1	1124.8
1017+00		110.8	393.1	1002.8
1017+95		89.8	321.8	896.9
1018+00		103.5	320.3	882.0
1019+00		92.7	303.9	844.3
1020+00		88.0	87.8	1150.8
1021+00		85.2	153.6	683.3
1021+40		81.1	94.2	731.2
1021+50		76.4	86.7	713.2
1022+00		76.0	90.6	637.7
1022+20		76.3	84.8	639.0
1022+50		72.7	72.3	627.5
1023+00		65.7	62.4	587.8
1023+29		67.6	58.8	574.5
1023+50		64.1	57.1	560.5
1024+00		61.8	65.2	529.0
1024+50			64.0	471.1
1024+69			65.1	462.3

Station Location	End Area Square Feet	
	Cut	Fill
ILLINOIS 13 RELOCATION		
1074+21	32.5	4.6
1074+50	4.4	21.1
1075+00	196.1	85.0
1075+50	180.4	117.7
1076+00	189.3	135.3
1076+50	185.4	182.3
1077+00	197.6	199.1
1077+50	205.8	230.6
1078+00	236.5	264.5
1078+50	237.0	315.9
1079+00	188.5	319.6
1079+50	226.5	301.5
1080+00	228.1	282.4
1080+50	339.8	292.4
1081+00	443.1	319.9
1082+00	380.9	451.2
1083+00	333.1	551.5
1084+00	261.2	732.0
1085+00	138.0	1156.3
1086+00	40.6	1320.7
1087+00	30.8	1404.9
1088+00		1126.3
1089+00		560.8
1090+00	0.9	139.1
1091+00	31.0	31.1
1092+00	31.4	22.1
1093+00	35.0	3.0
1093+66		

Station Location	End Area Square Feet	
	Cut	Fill
OLD ILLINOIS 13		
77+00	35.6	9.3
78+00	40.1	
79+00	68.4	9.4
80+00	136.7	
81+00	37.4	10.4
82+00	16.6	171.4
83+00	67.3	516.3
85+00		624.7
86+00		431.8
87+00	12.6	383.7
88+00	74.6	246.6
89+00	130.5	5.9
90+00	149.3	
91+00	89.9	
92+00	26.4	15.5
93+00	15.4	34.5
94+00	7.8	92.4
95+00	3.6	122.0
96+00	6.8	176.9
97+00	20.2	185.3
98+00	48.3	186.4
99+00	74.3	159.4
100+00	122.2	155.6
101+00	267.9	53.1
102+00	282.4	24.1
103+00	175.0	13.4
104+00	90.1	50.5
105+00	73.1	17.2
106+00		26.2
107+00		16.2
108+00		1.5
109+00		4.9
204+70	96.9	0.9
205+00	144.9	3.1
206+00	66.9	17.9
207+00	5.6	153.5
208+00	34.7	468.8
209+00	87.9	749.0
210+00	109.0	761.9
211+00		

Station Location	End Area Square Feet	
	Cut	Fill
PANKEY CREEK FLOODWAY STORAGE AREA		
502+50	50.8	
502+87	148.8	
503+00	207.8	
503+50	473.7	
504+00	722.2	
504+50	833.2	
505+00	1250.7	

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

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

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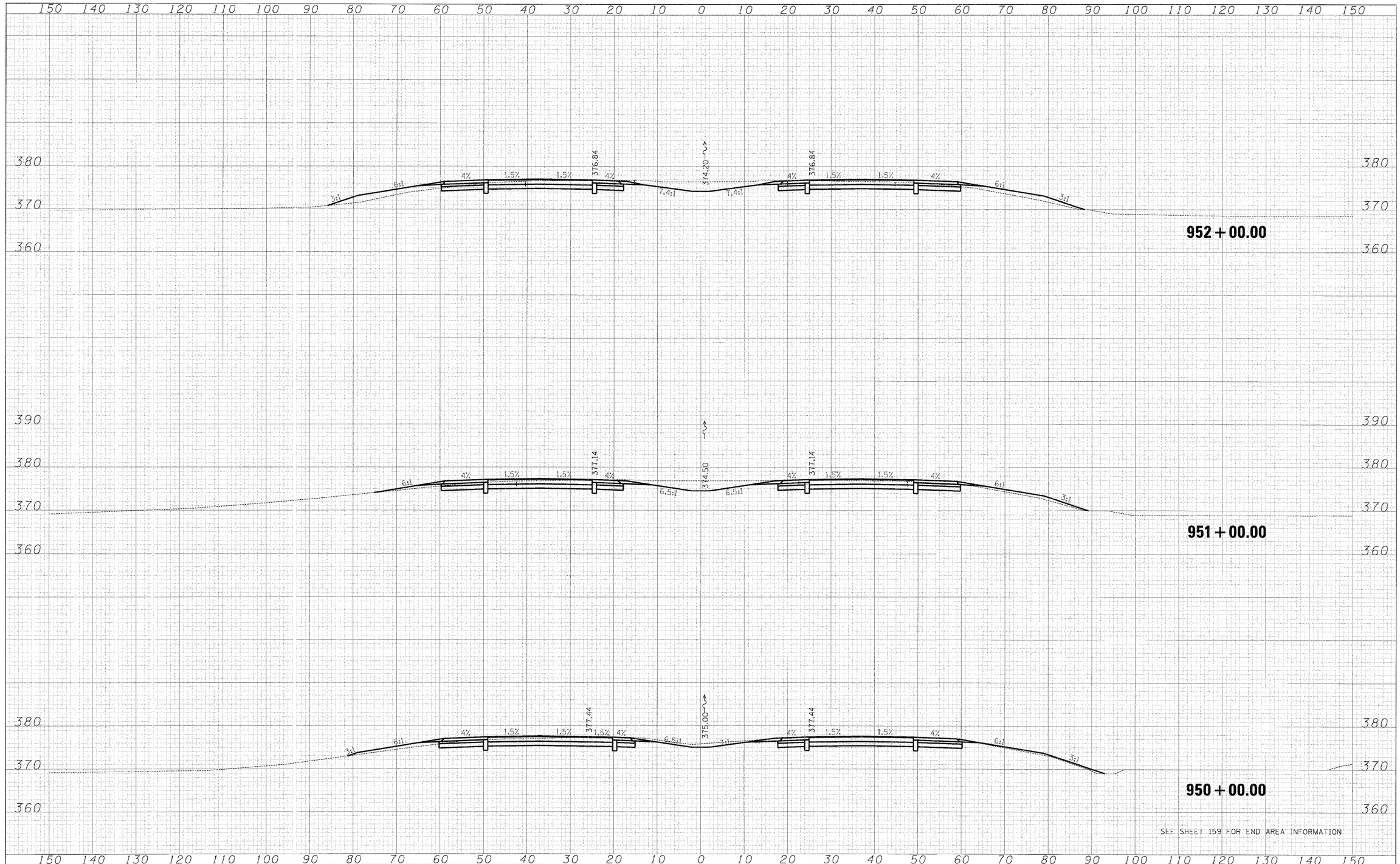
	PLOT DATE = 2/2/2009	DATE - 12-23-08	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
END AREAS

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	3-2, 8X-1, (8X-1)B ,4-2	SALINE	159	219
		CONTRACT NO. 78058		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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		DRAWN - DMS	REVISED -
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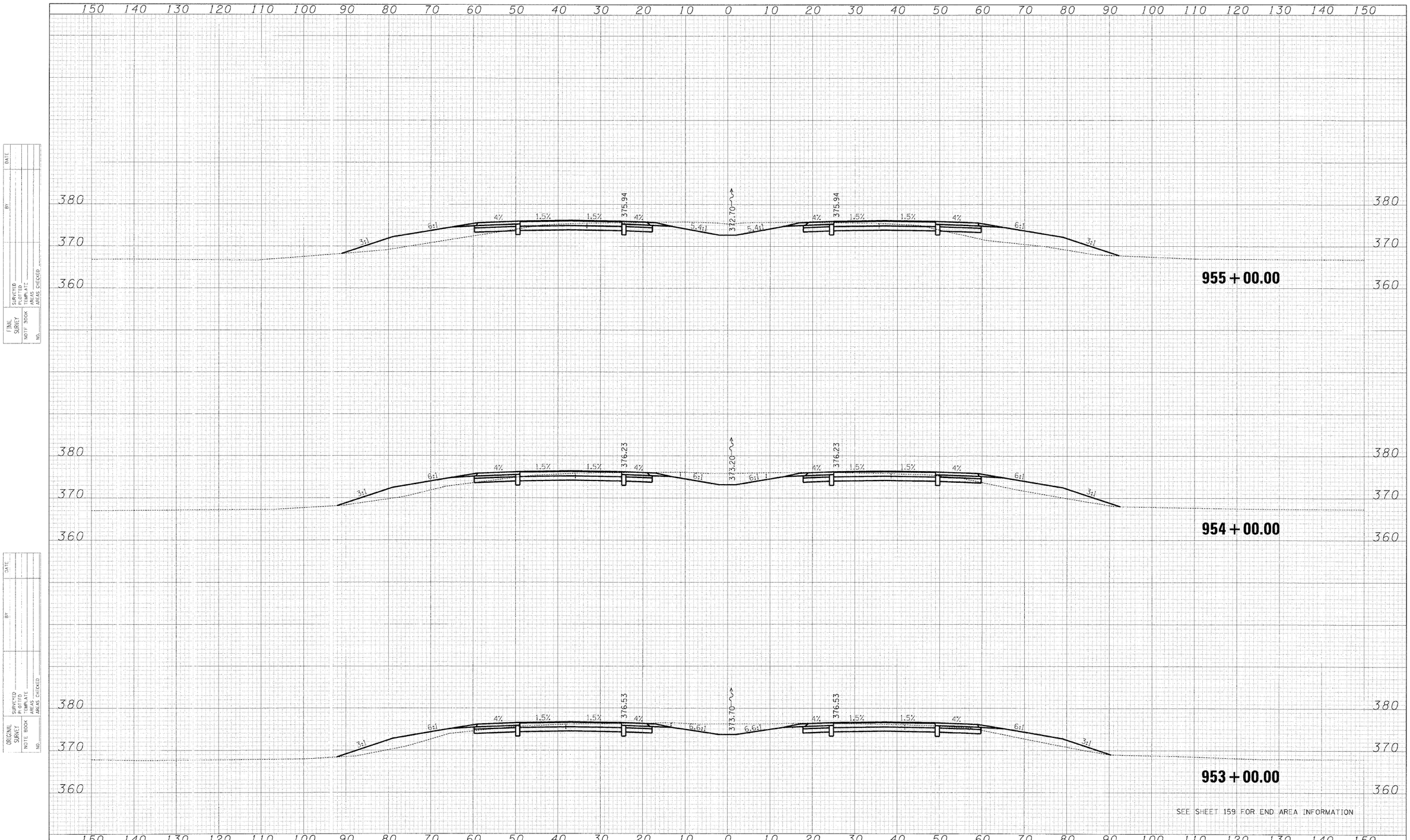
	PLOT DATE = 2/2/2009	DATE - 02-02-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS-ILL 13 RELOCATION

SCALE: | SHEET NO. OF SHEETS | STA. 950+00.00 TO STA. 952+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, (8X-1)B ,4-2	SALINE	160	220
		CONTRACT NO. 78058		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



SEE SHEET 159 FOR END AREA INFORMATION

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

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

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	PLOT DATE = 2/2/2009	DATE - 02-02-09	REVISED -

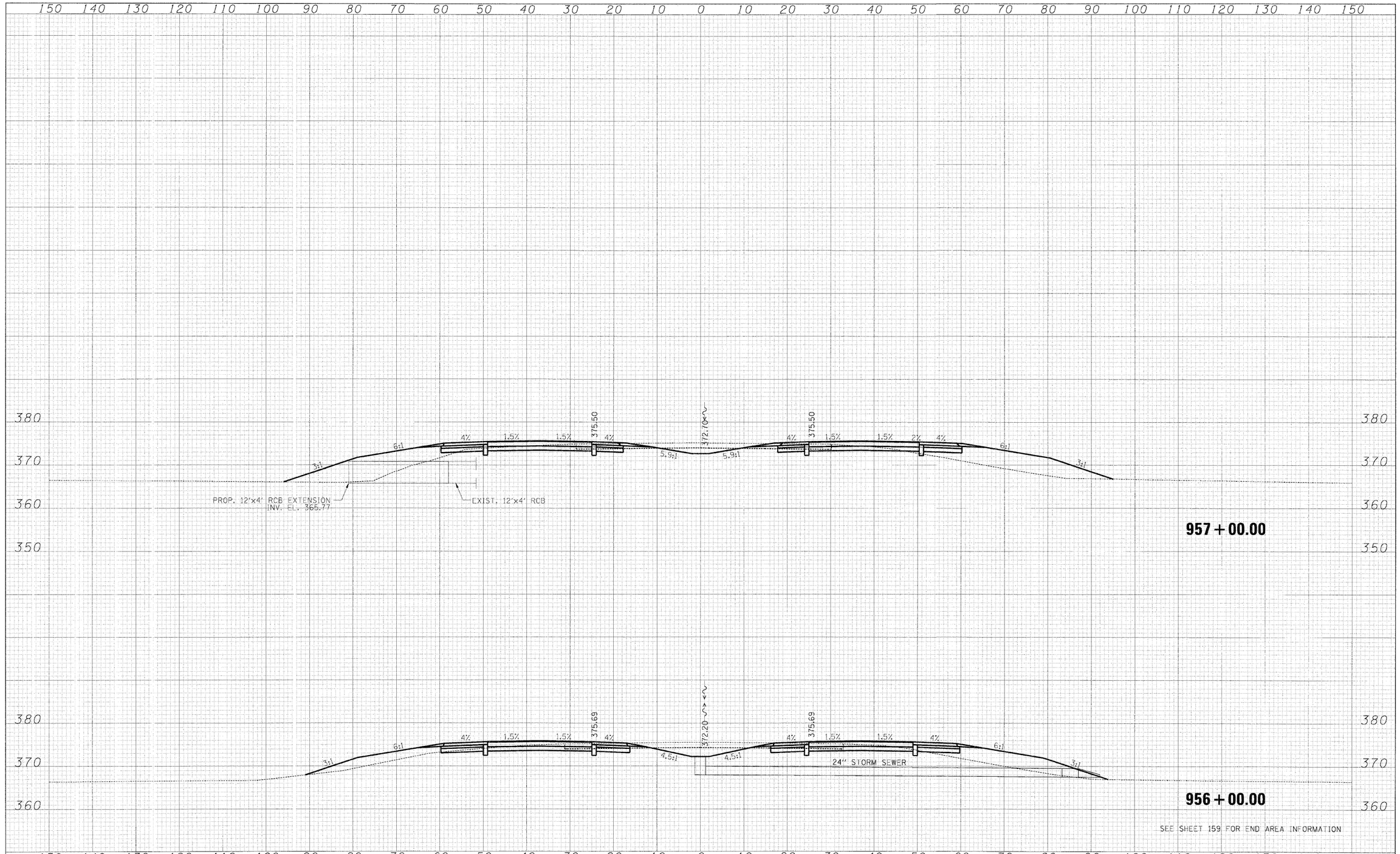
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS–ILL 13 RELOCATION

SCALE: | SHEET NO. OF SHEETS | STA. 953+00.00 TO STA. 955+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, (BX-1)B ,4-2	SALINE	161	220
		CONTRACT NO. 78058		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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



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

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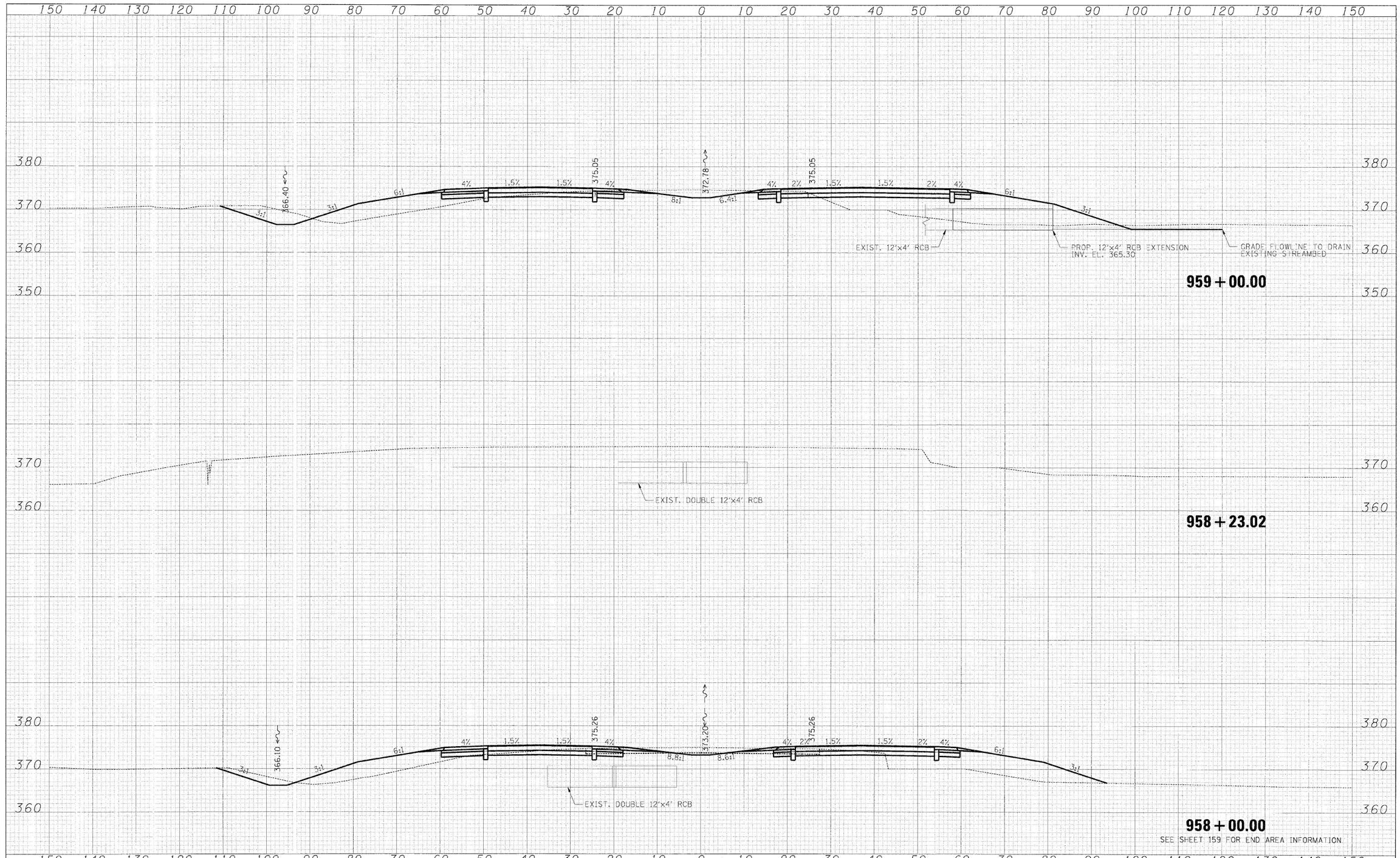
	PLOT DATE = 2/2/2009	DATE - 02-02-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS–ILL 13 RELOCATION

SCALE: | SHEET NO. OF SHEETS | STA. 956+00.00 TO STA. 957+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, (8X-1)B ,4-2	SALINE	162	220
		CONTRACT NO. 78058		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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

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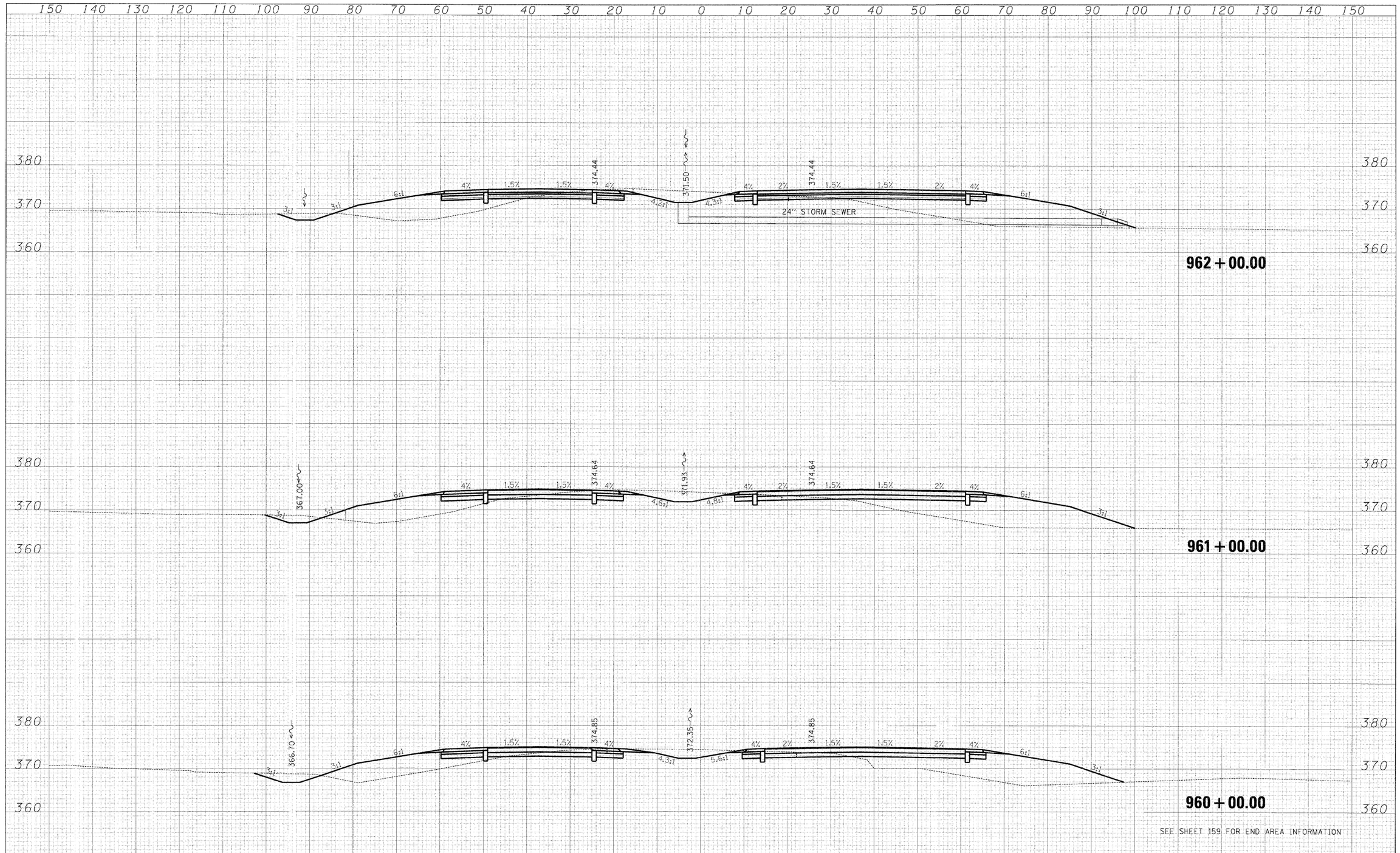
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS–ILL 13 RELOCATION

SCALE: | SHEET NO. OF SHEETS | STA. 958+00.00 TO STA. 959+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, (8X-1)B ,4-2	SALINE	163	220
		CONTRACT NO. 78058		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



SEE SHEET 159 FOR END AREA INFORMATION

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

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

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	PLOT DATE = 2/2/2009	DATE - 02-02-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

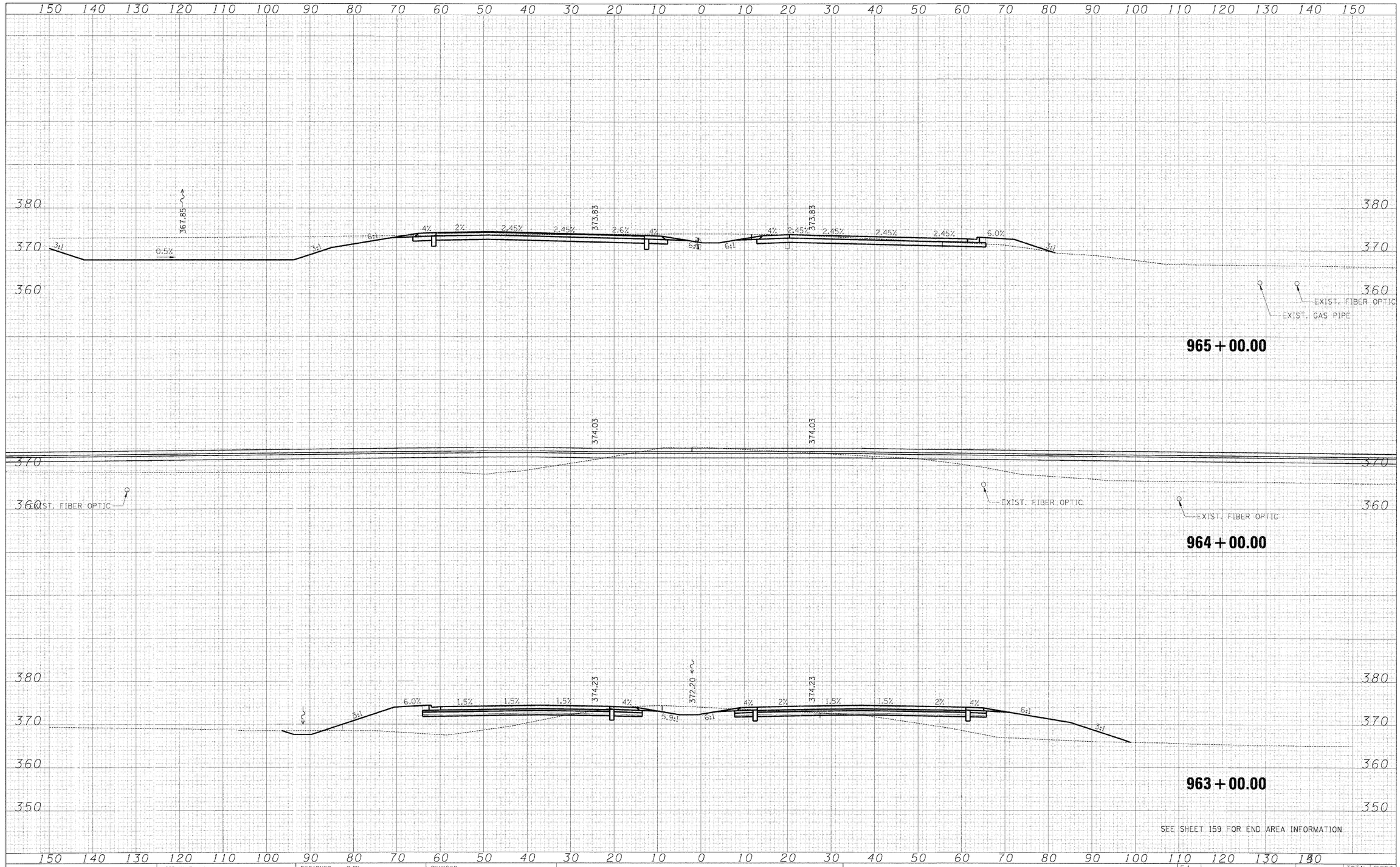
CROSS SECTIONS-ILL 13 RELOCATION

SCALE: | SHEET NO. OF SHEETS | STA. 960+00.00 TO STA. 962+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, (8X-1)B ,4-2	SALINE	164	220
		CONTRACT NO. 78058		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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



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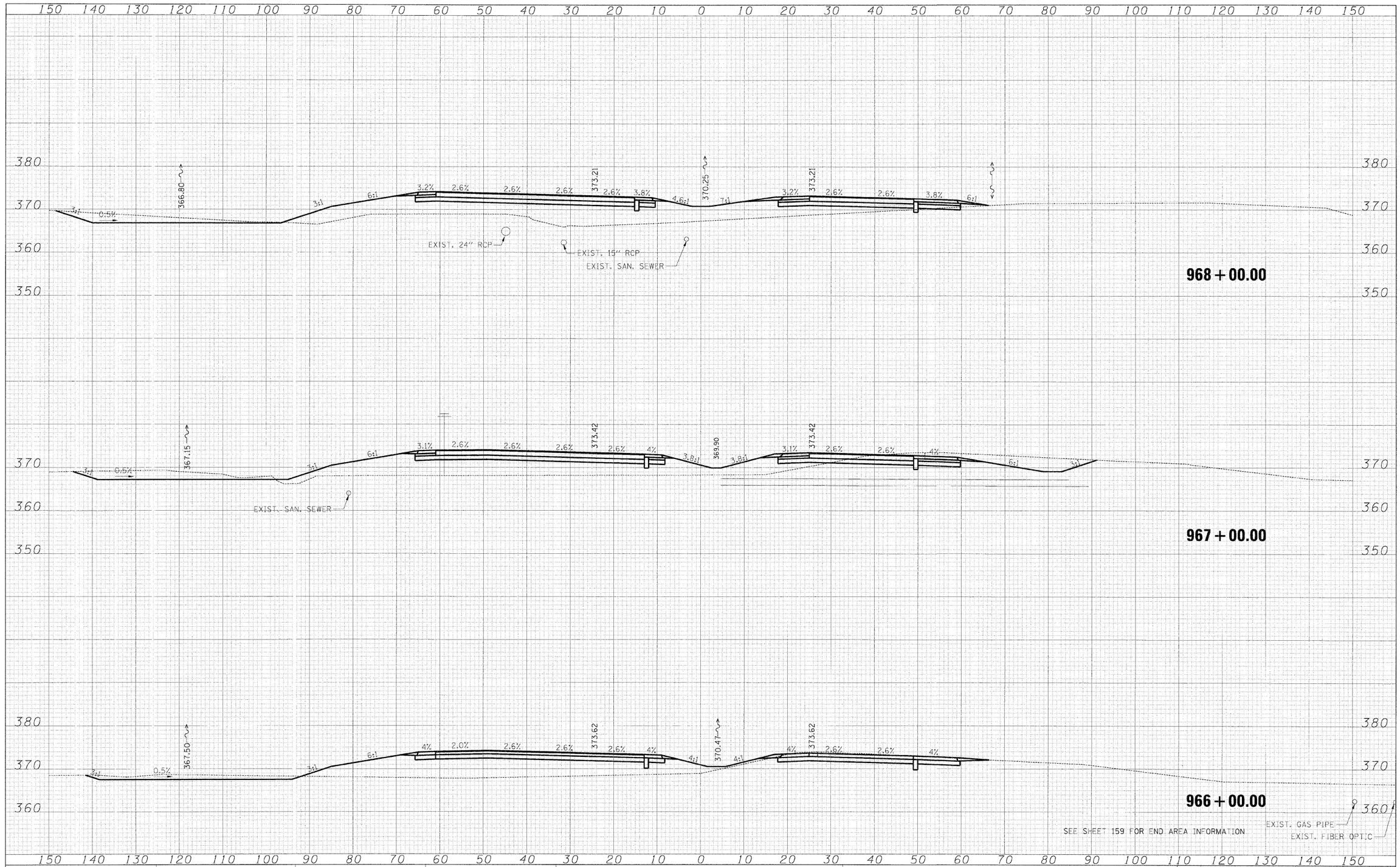
	PLOT DATE = 2/2/2009	DATE - 02-02-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS–ILL 13 RELOCATION

SCALE: | SHEET NO. OF SHEETS | STA. 963+00.00 TO STA. 965+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, BX-1, (BX-1)B ,4-2	SALINE	165	220
		CONTRACT NO. 78058		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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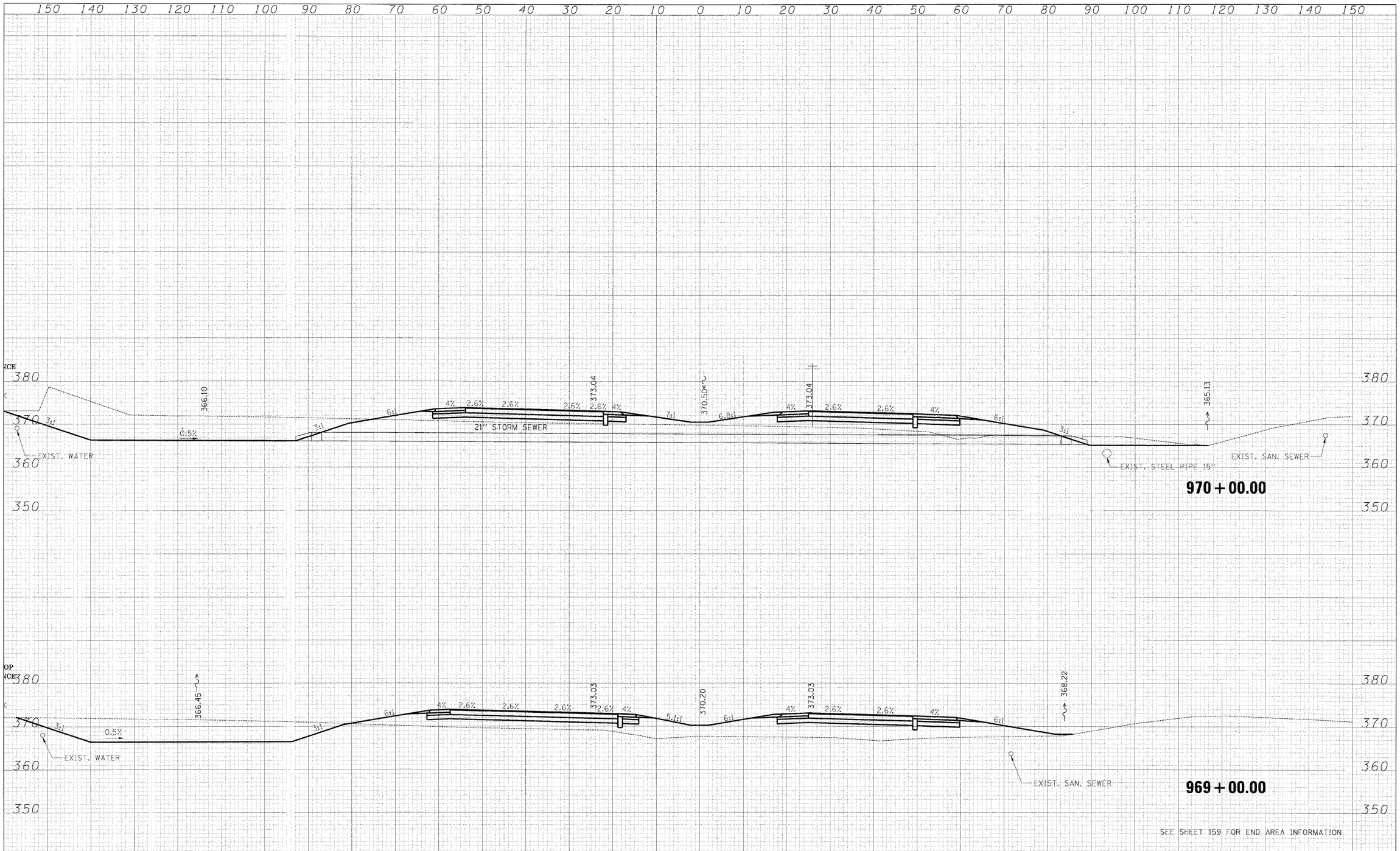
		DRAWN - DMS	REVISED -		
	PLOT SCALE = 1:10	CHECKED - JPN	REVISED -		SCALE: SHEET NO. OF SHEETS STA. 966+00.00 TO STA. 968+00.00
	PLOT DATE = 2/2/2009	DATE - 02-02-09	REVISED -		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, (8X-1)B ,4-2	SALINE	166	220
		CONTRACT NO. 78058		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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

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



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

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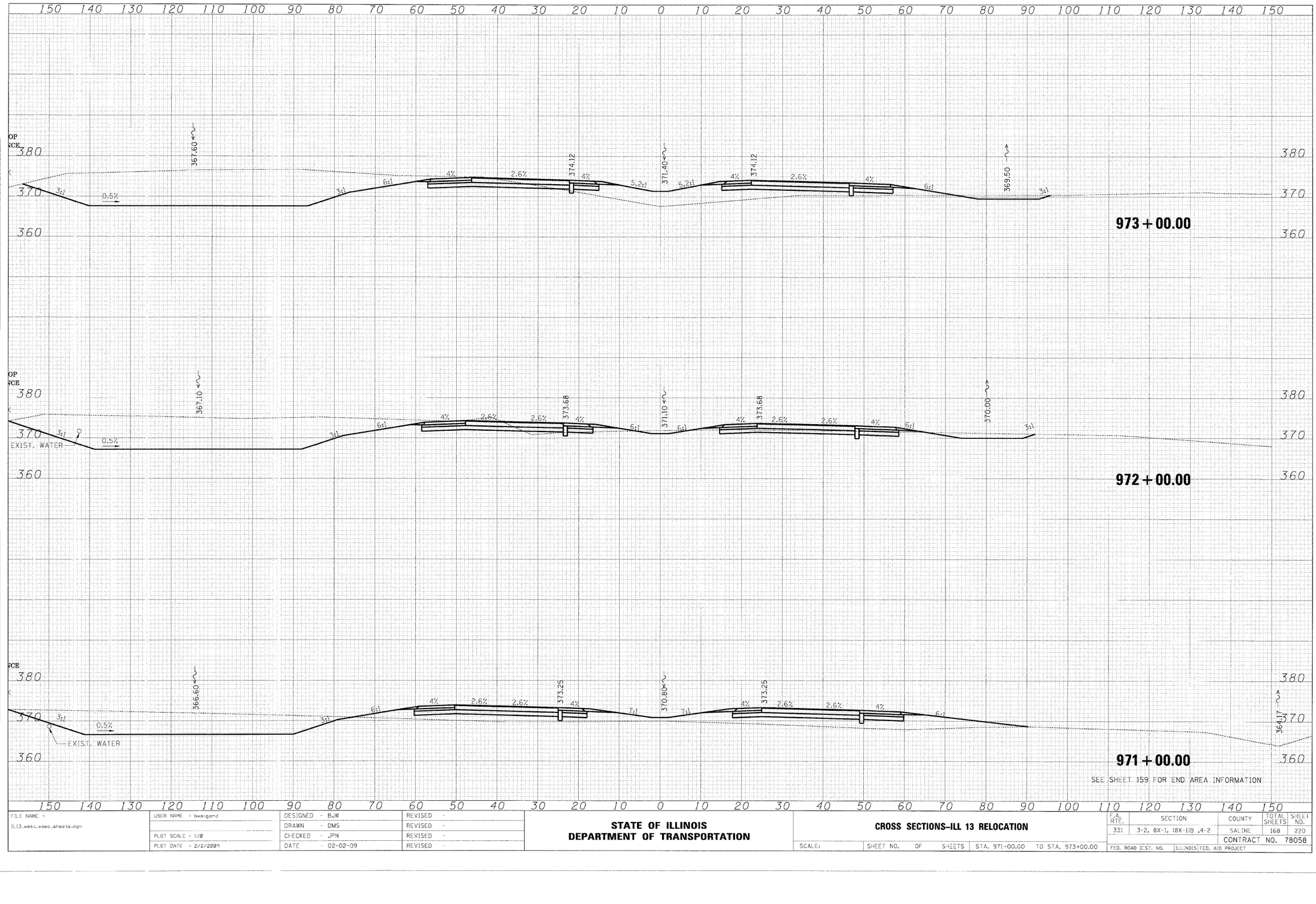
	PLOT DATE = 2/2/2009	DATE - 02-02-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS–ILL 13 RELOCATION

SCALE: | SHEET NO. OF SHEETS | STA. 969+00.00 TO STA. 970+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, (8X-1)B ,4-2	SALINE	167	220
		CONTRACT NO. 78058		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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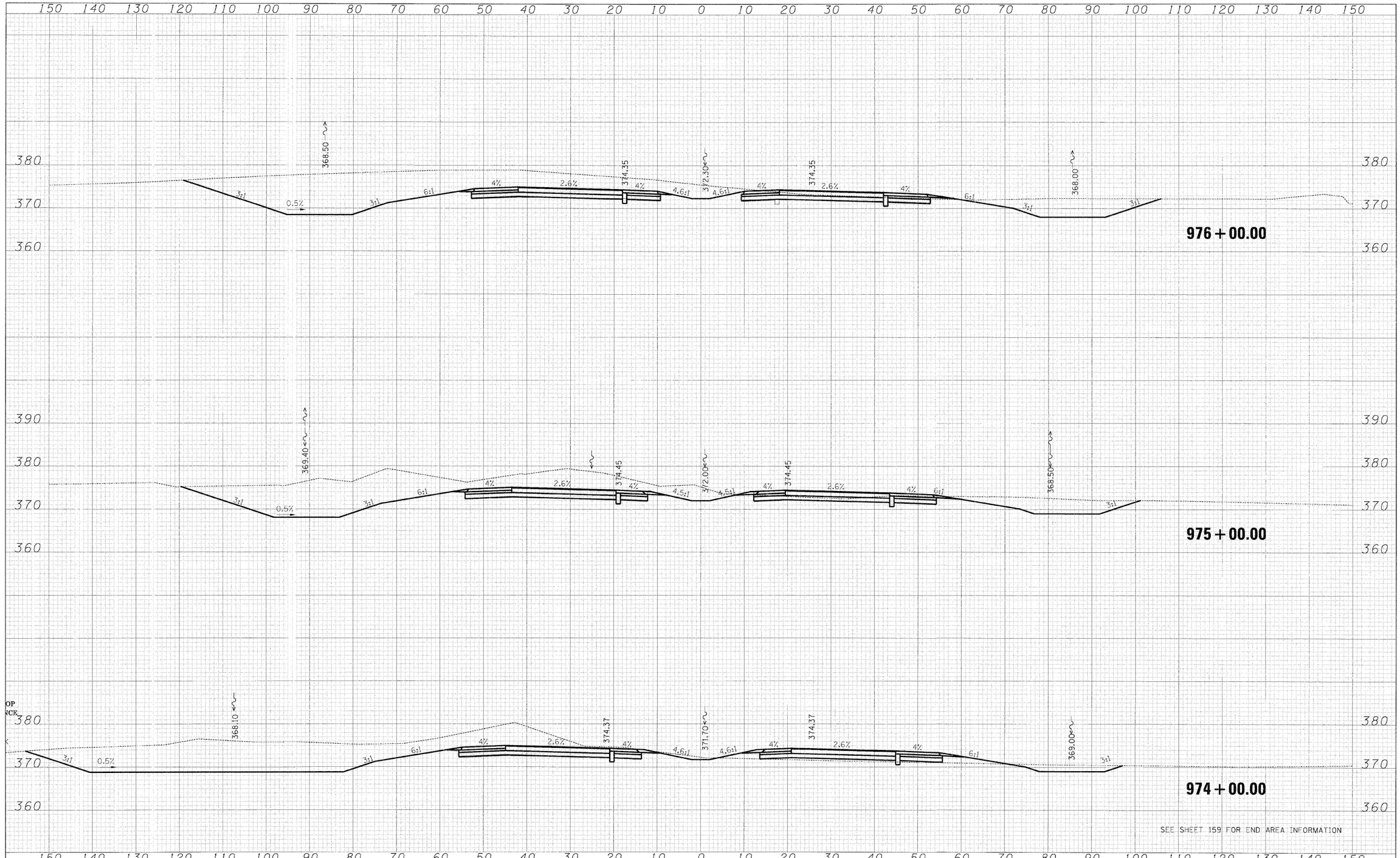
	PLOT DATE = 2/2/2009	DATE - 02-02-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS-ILL 13 RELOCATION

SCALE: | SHEET NO. OF SHEETS | STA. 971+00.00 TO STA. 973+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, (8X-1)B ,4-2	SALINE	168	220
		CONTRACT NO. 78058		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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

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

OP
NCE

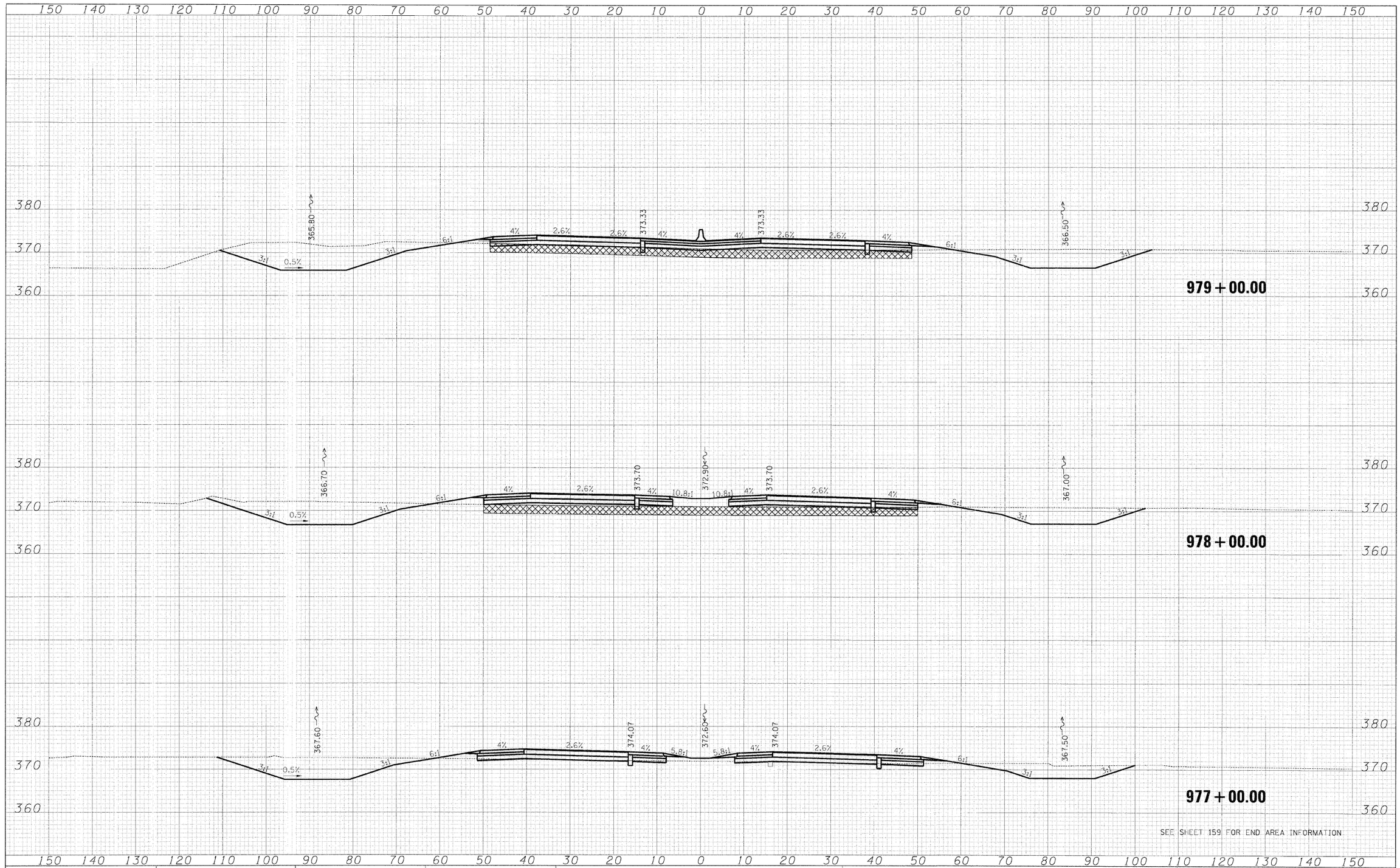
FILE NAME = IL13_west_xsec_sheets.dgn	USER NAME = bweigand	DESIGNED - BJW	REVISED -
		DRAWN - DMS	REVISED -
	PLOT SCALE = 1:10	CHECKED - JPN	REVISED -
	PLOT DATE = 2/2/2009	DATE - 02-02-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS-ILL 13 RELOCATION

SCALE: | SHEET NO. OF SHEETS | STA. 974+00.00 TO STA. 976+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, (8X-1)B ,4-2	SALINE	169	220
		CONTRACT NO. 78058		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



SEE SHEET 159 FOR END AREA INFORMATION

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

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

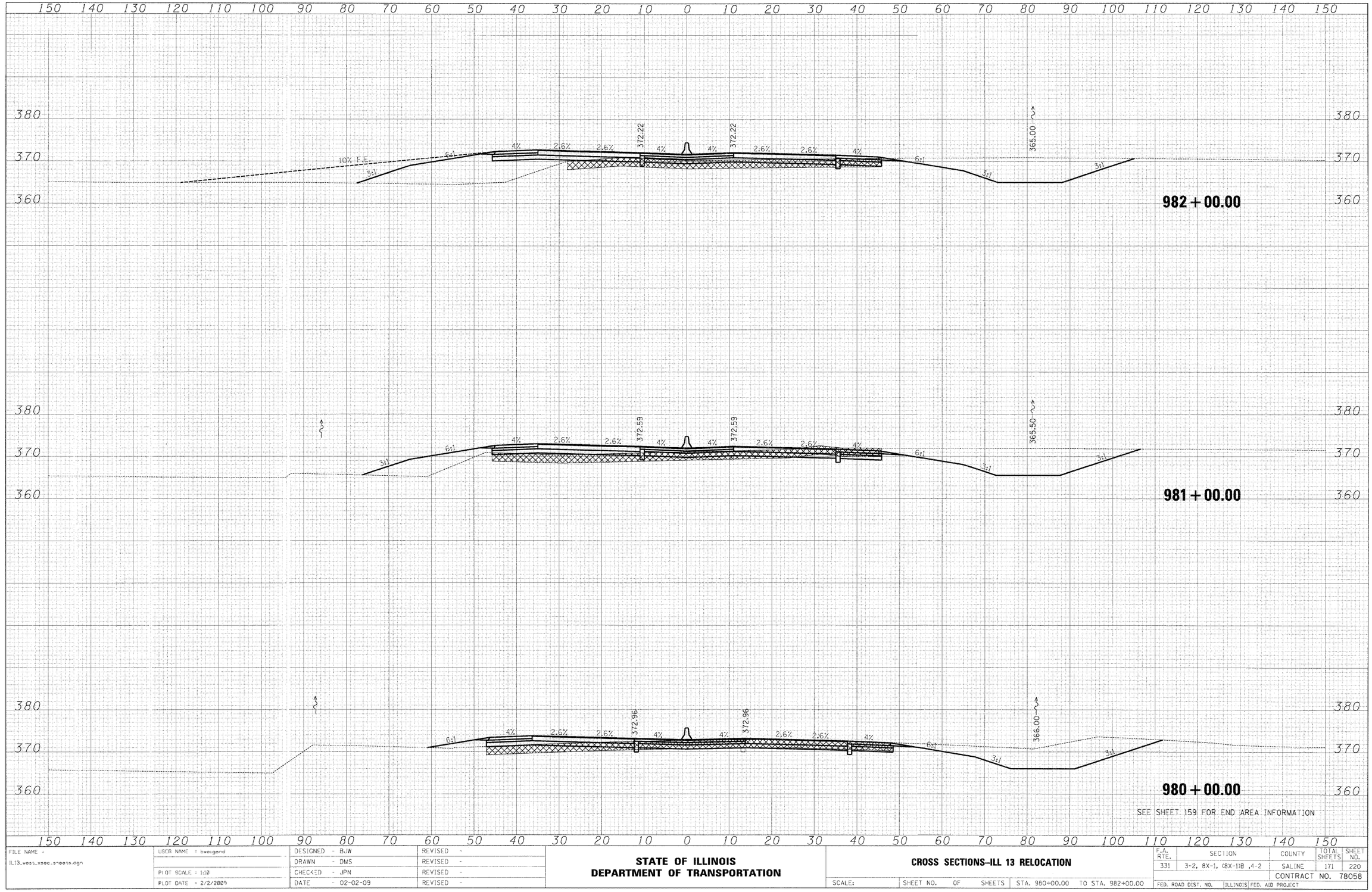
FILE NAME = IL13_west_xsec_sheets.dgn	USER NAME = bwolgans	DESIGNED - BJW	REVISED -
		DRAWN - DMS	REVISED -
	PLOT SCALE = 1:10	CHECKED - JPN	REVISED -
	PLOT DATE = 2/2/2009	DATE - 02-02-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS–ILL 13 RELOCATION

SCALE: — SHEET NO. — OF — SHEETS — STA. 977+00.00 — TO STA. 979+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, (8X-1)B ,4-2	SALINE	170	220
		CONTRACT NO. 78058		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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

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

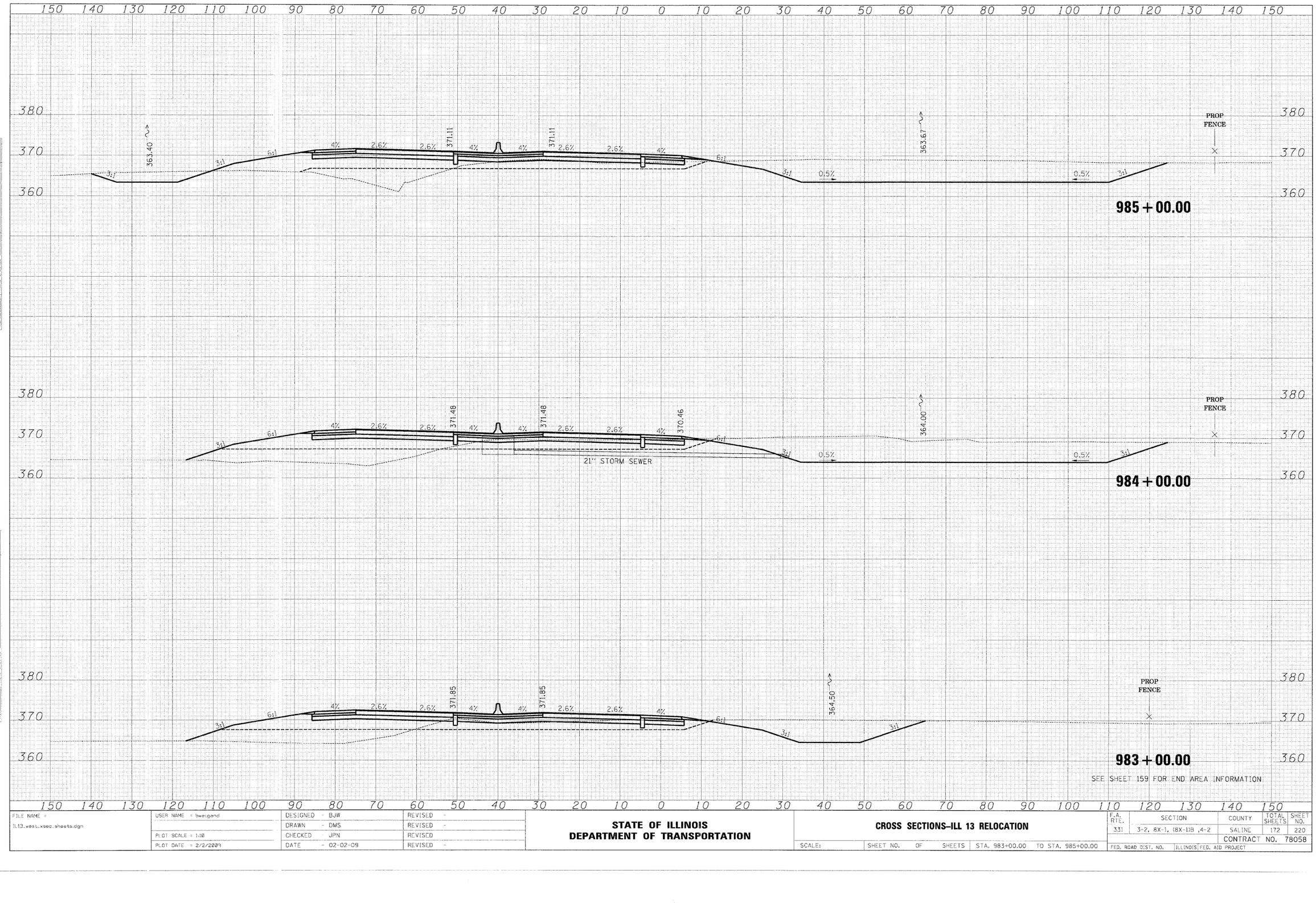
FILE NAME = IL13_west_xsec_sheets.dgn	USER NAME = bweigand	DESIGNED - BJW	REVISED -
		DRAWN - DMS	REVISED -
	PLOT SCALE = 1:10	CHECKED - JPN	REVISED -
	PLOT DATE = 2/2/2009	DATE - 02-02-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS–ILL 13 RELOCATION

SCALE: | SHEET NO. OF SHEETS | STA. 980+00.00 TO STA. 982+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, (8X-1)B ,4-2	SALINE	171	220
		CONTRACT NO. 78058		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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

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

FILE NAME = IL13_west_xsec_sheets.dgn	USER NAME = bweigand	DESIGNED - BJW	REVISED -
		DRAWN - DMS	REVISED -
	PLOT SCALE = 1.10	CHECKED - JPN	REVISED
	PLOT DATE = 2/2/2009	DATE - 02-02-09	REVISED -

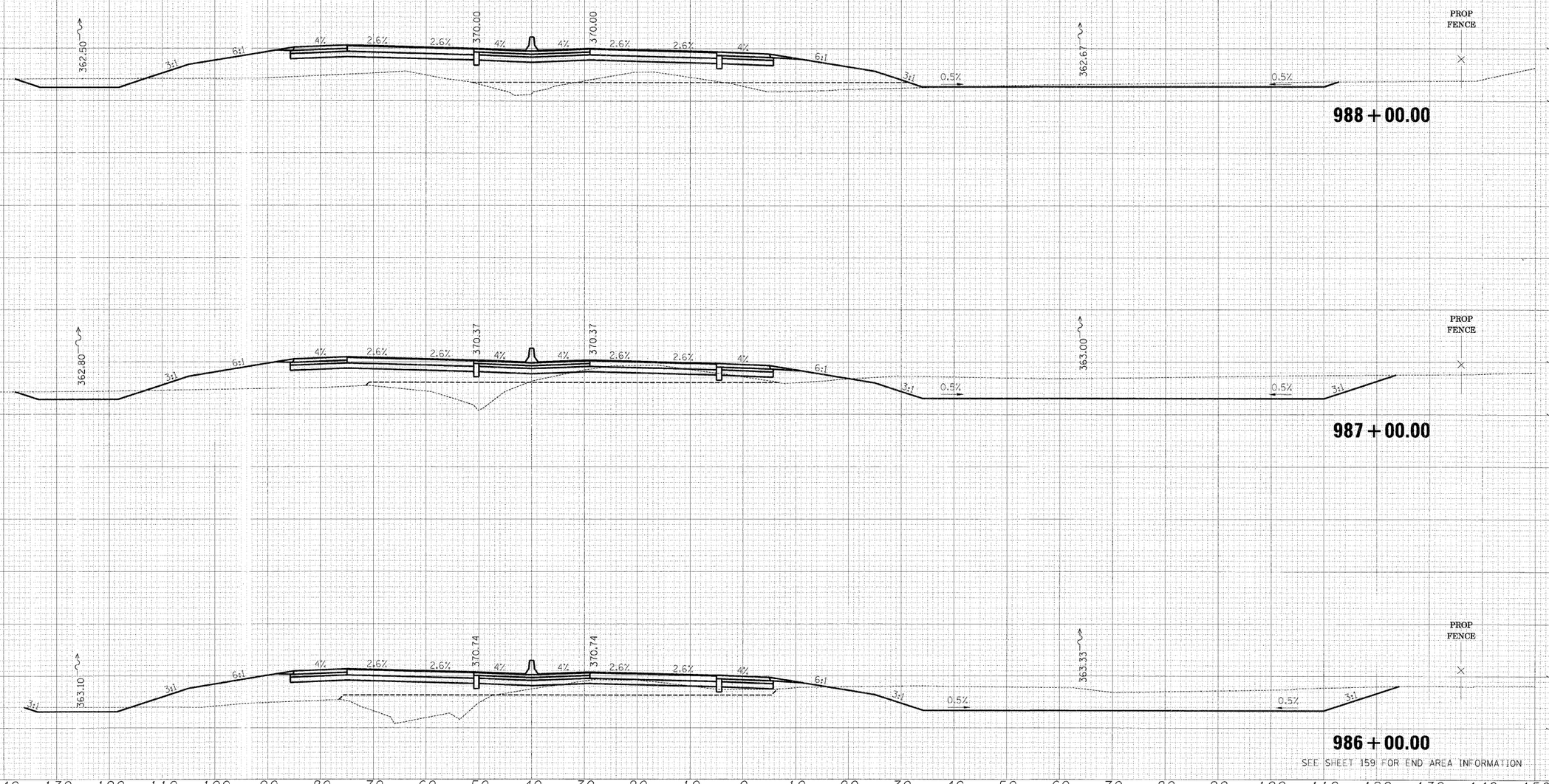
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS–ILL 13 RELOCATION

SCALE: | SHEET NO. OF SHEETS | STA. 983+00.00 TO STA. 985+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, (8X-1)B ,4-2	SALINE	172	220
		CONTRACT NO. 78058		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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



SEE SHEET 159 FOR END AREA INFORMATION

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

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

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

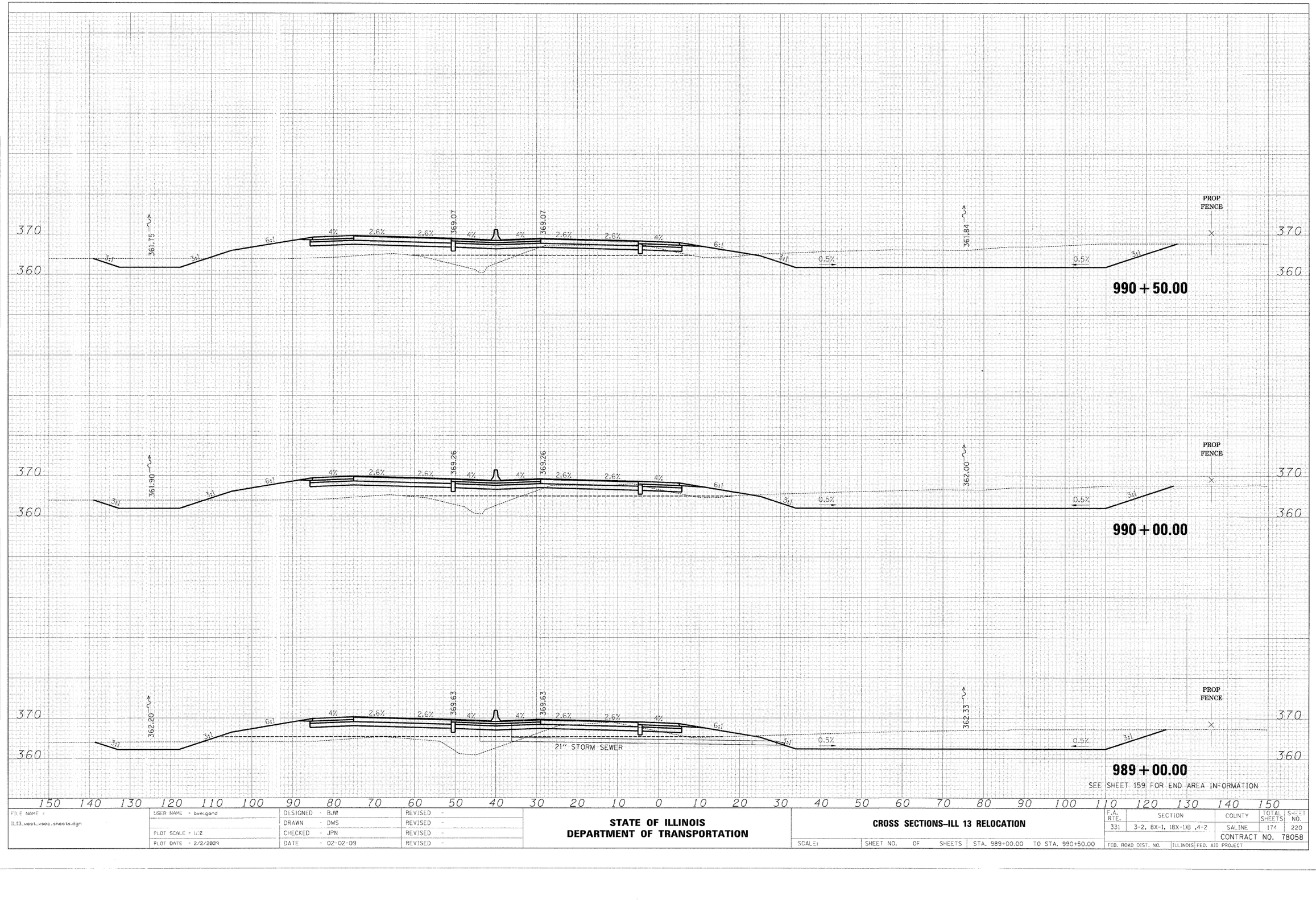
FILE NAME = IL13_west_xsec_sheets.dgn	USER NAME = bweigand	DESIGNED - BJW	REVISED -
		DRAWN - DMS	REVISED -
	PLOT SCALE = 1:1Ø	CHECKED - JPN	REVISED -
	PLOT DATE = 2/27/2009	DATE - 02-02-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS–ILL 13 RELOCATION

SCALE: | SHEET NO. OF SHEETS | STA. 986+00.00 TO STA. 988+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, (8X-1)B ,4-2	SALINE	173	220
		CONTRACT NO. 78058		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



SEE SHEET 159 FOR END AREA INFORMATION

FILE NAME = IL13_west_xsec_sheets.dgn	USER NAME = bwelgand	DESIGNED - BJW	REVISED -
		DRAWN - DMS	REVISED -
	PLOT SCALE = 1:2	CHECKED - JPN	REVISED -
	PLOT DATE = 2/2/2024	DATE - 02-02-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

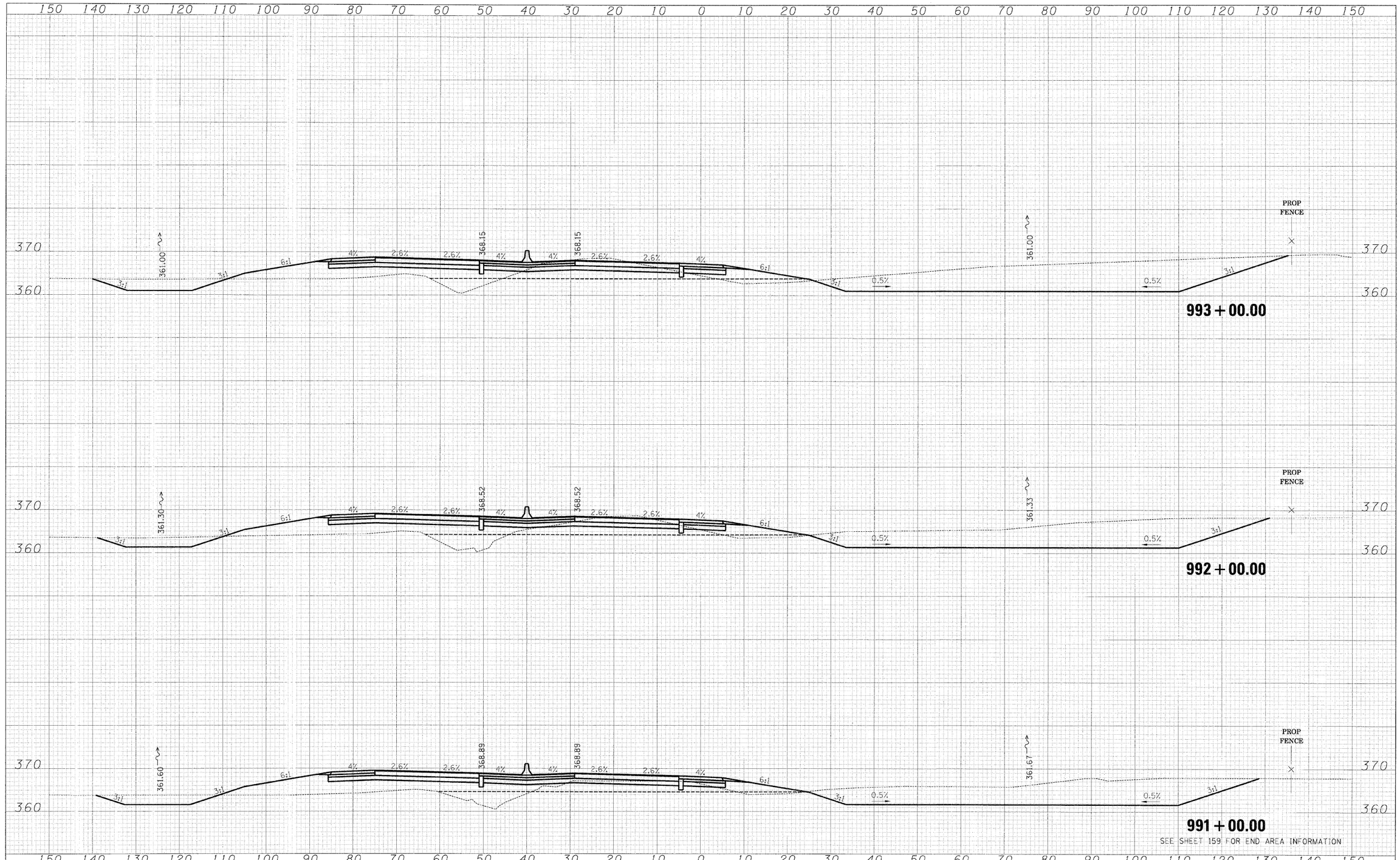
CROSS SECTIONS-ILL 13 RELOCATION

SCALE: | SHEET NO. OF SHEETS | STA. 989+00.00 TO STA. 990+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, (8X-1)B ,4-2	SALINE	174	220
		CONTRACT NO. 78058		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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



SEE SHEET 159 FOR END AREA INFORMATION

FILE NAME = IL13_west_xsec_sheets.dgn	USER NAME = bwalgand	DESIGNED - BJW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS–ILL 13 RELOCATION
		DRAWN - DMS	REVISED -		
	PLOT SCALE = 1:2	CHECKED - JPN	REVISED -		SCALE:
	PLOT DATE = 2/2/2009	DATE - 02-02-09	REVISED -		SHEET NO. OF SHEETS

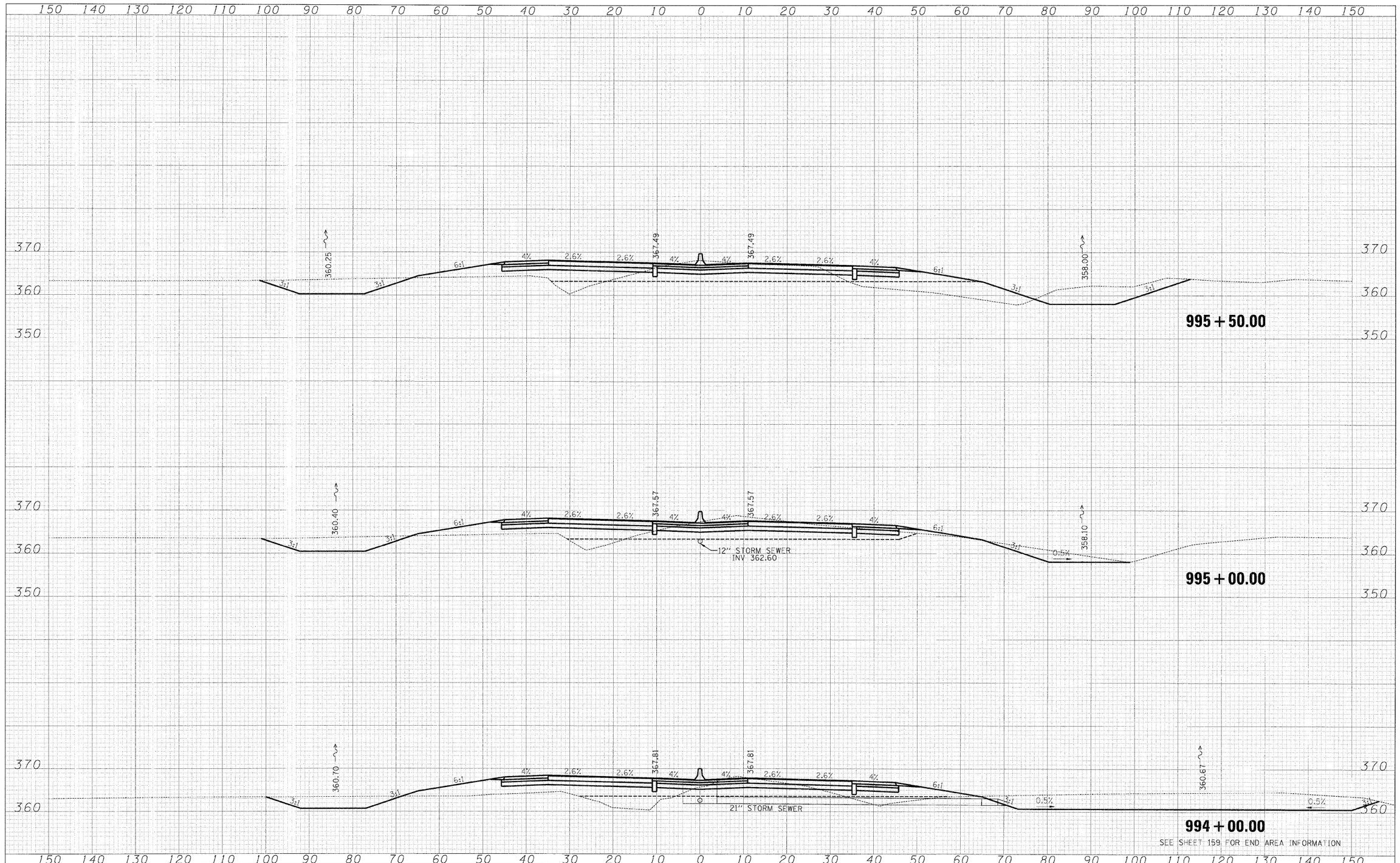
STA. 991+00.00 TO STA. 993+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, (8X-1)B ,4-2	SALINE	175	220
		CONTRACT NO. 78058		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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

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



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

SEE SHEET 159 FOR END AREA INFORMATION

FILE NAME = IL13_west_xsec_sheets.dgn	USER NAME = bweigand	DESIGNED - BJW	REVISED -
		DRAWN - DMS	REVISED -
	PLOT SCALE = 1:10	CHECKED - JPN	REVISED -
	PLOT DATE = 2/2/2009	DATE - 02-02-09	REVISED -

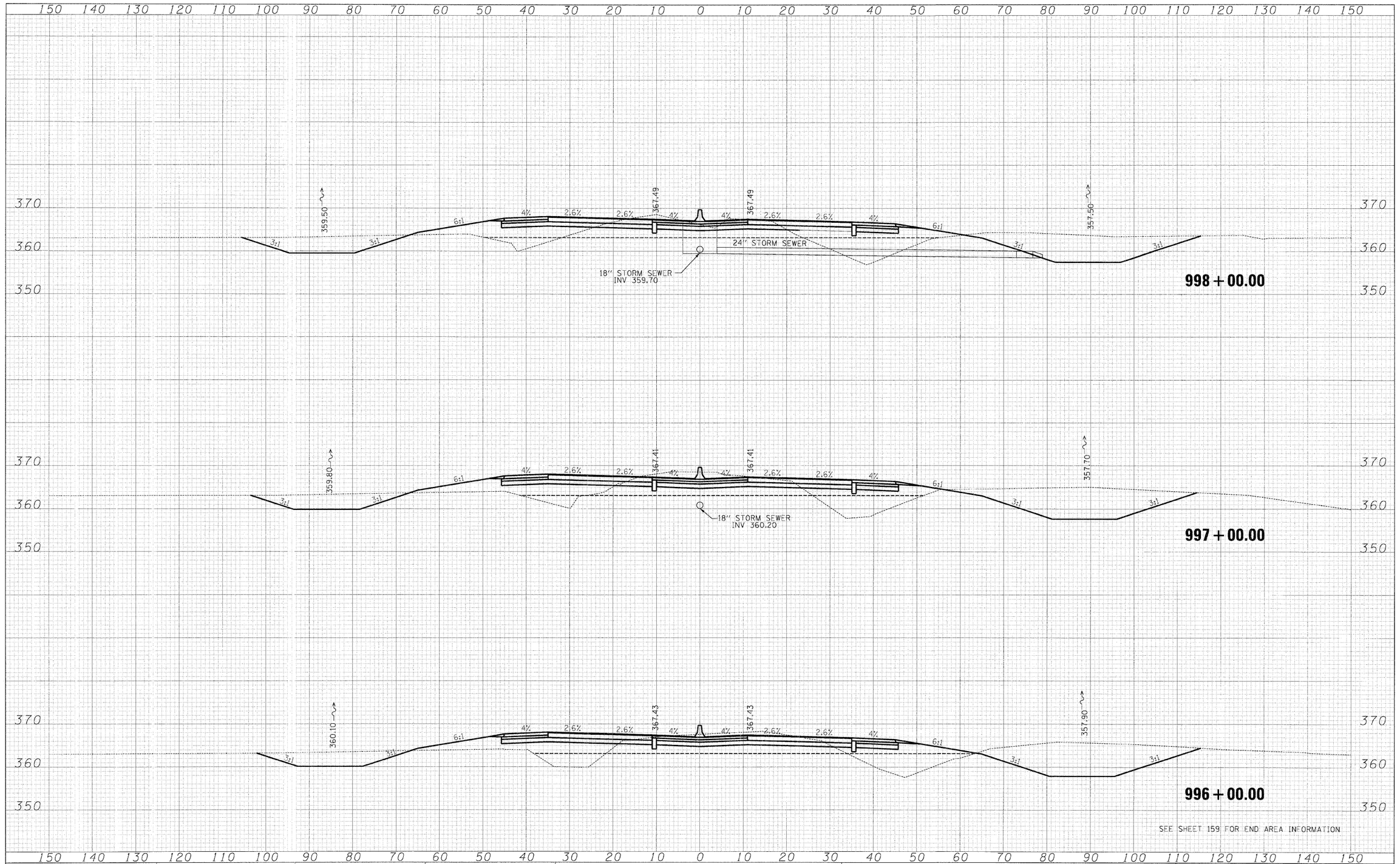
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS–ILL 13 RELOCATION

SCALE: | SHEET NO. OF SHEETS | STA. 994+00.00 TO STA. 995+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, (8X-1)B ,4-2	SALINE	176	220
		CONTRACT NO. 78058		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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



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

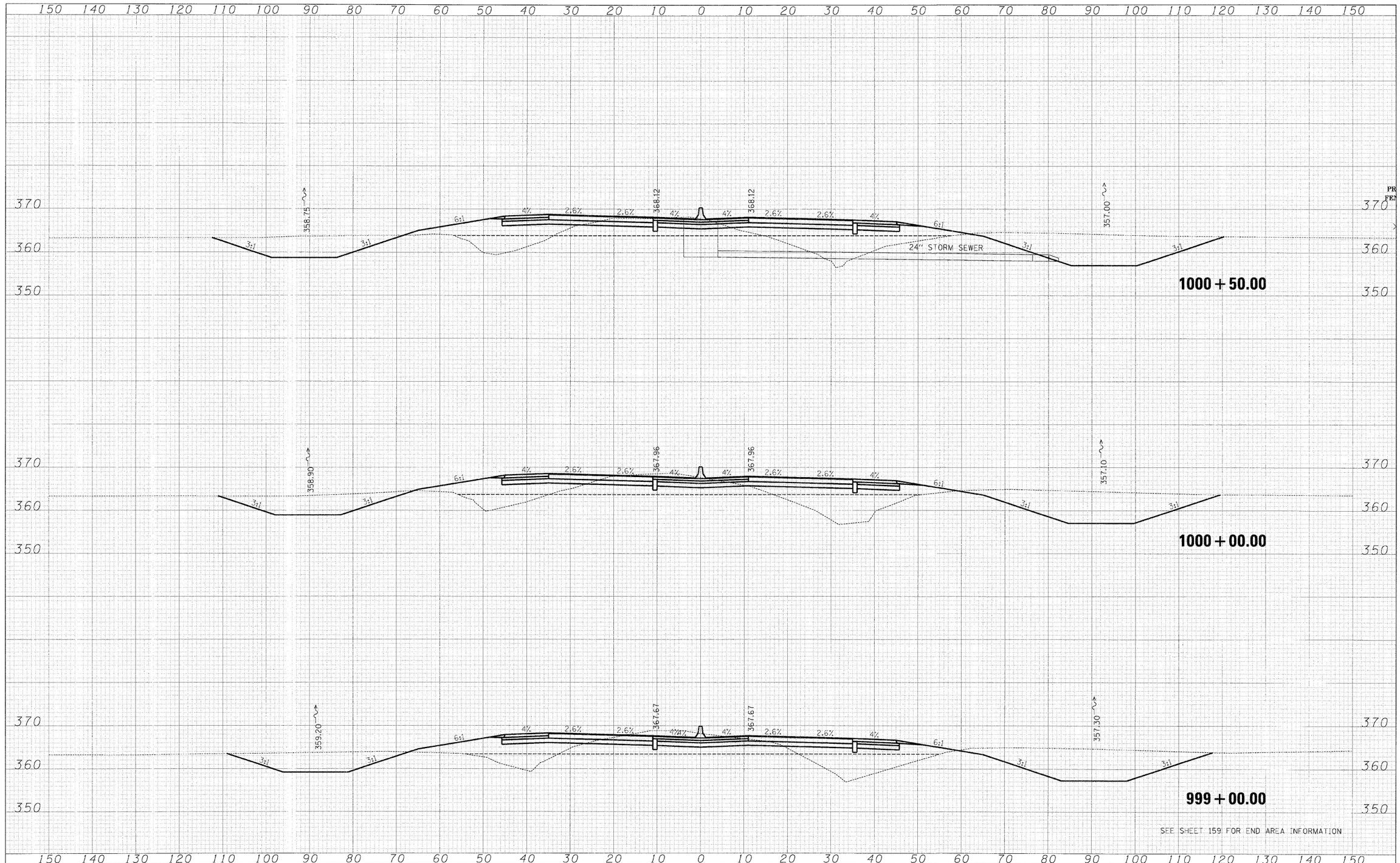
FILE NAME = IL13_west_xsec_sheets.dgn	USER NAME = bweigand	DESIGNED - BJW	REVISED -
		DRAWN - DMS	REVISED -
	PLOT SCALE = 1:2	CHECKED - JPN	REVISED -
	PLOT DATE = 2/2/2024	DATE - 02-02-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS–ILL 13 RELOCATION

SCALE: | SHEET NO. OF SHEETS | STA. 996+00.00 TO STA. 998+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, (8X-1)B ,4-2	SALINE	177	220
		CONTRACT NO. 78058		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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

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

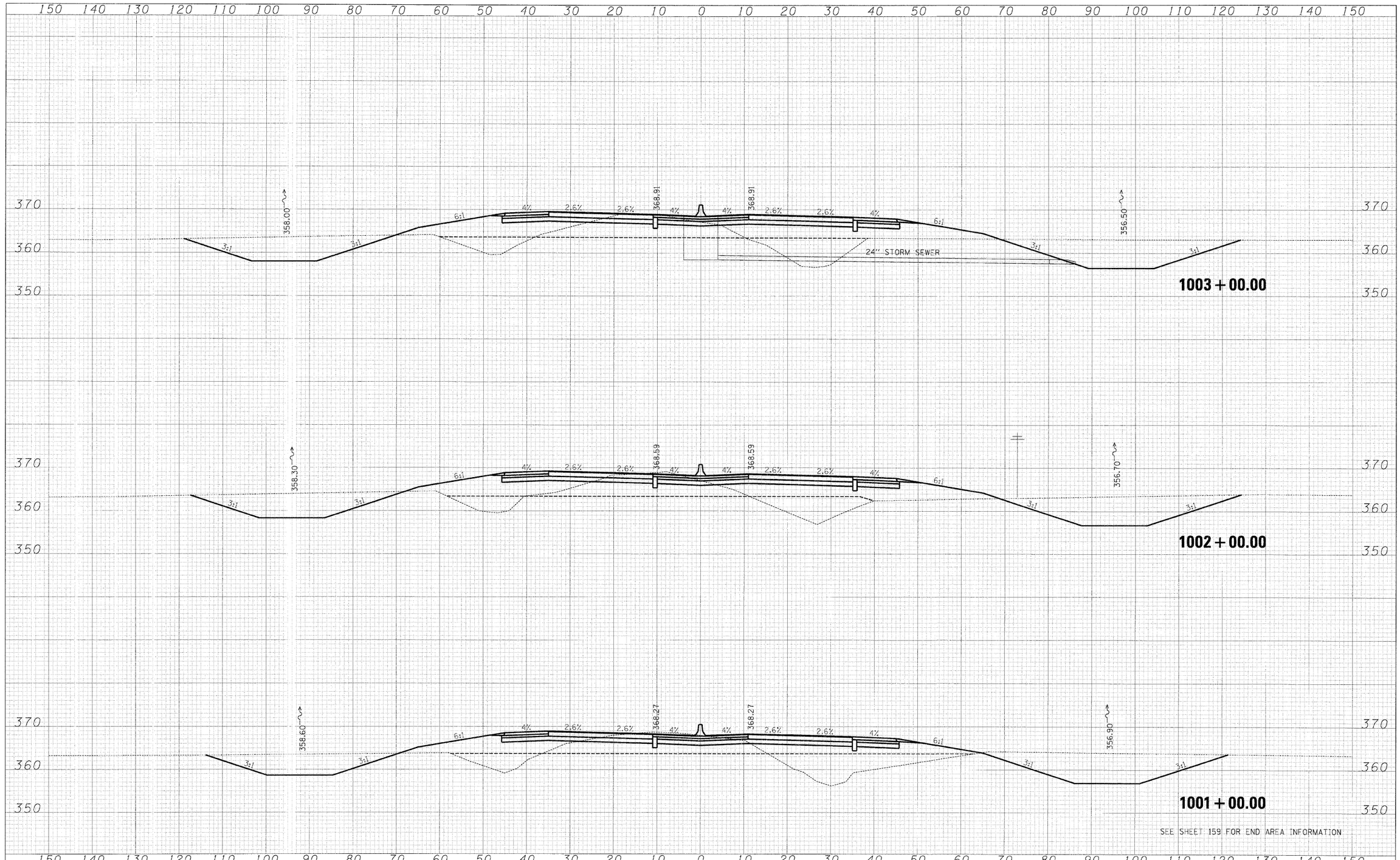
FILE NAME = IL13_west_xsec_sheets.dgn	USER NAME = bweigand	DESIGNED - BJW	REVISED -
		DRAWN - DMS	REVISED -
	PLOT SCALE = 1:10	CHECKED - JPN	REVISED -
	PLOT DATE = 2/2/2009	DATE - 02-02-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS–ILL 13 RELOCATION

SCALE: | SHEET NO. OF SHEETS | STA. 999+00.00 TO STA. 1000+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, (8X-1)B ,4-2	SALINE	178	220
		CONTRACT NO. 78058		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



SEE SHEET 159 FOR END AREA INFORMATION

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

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

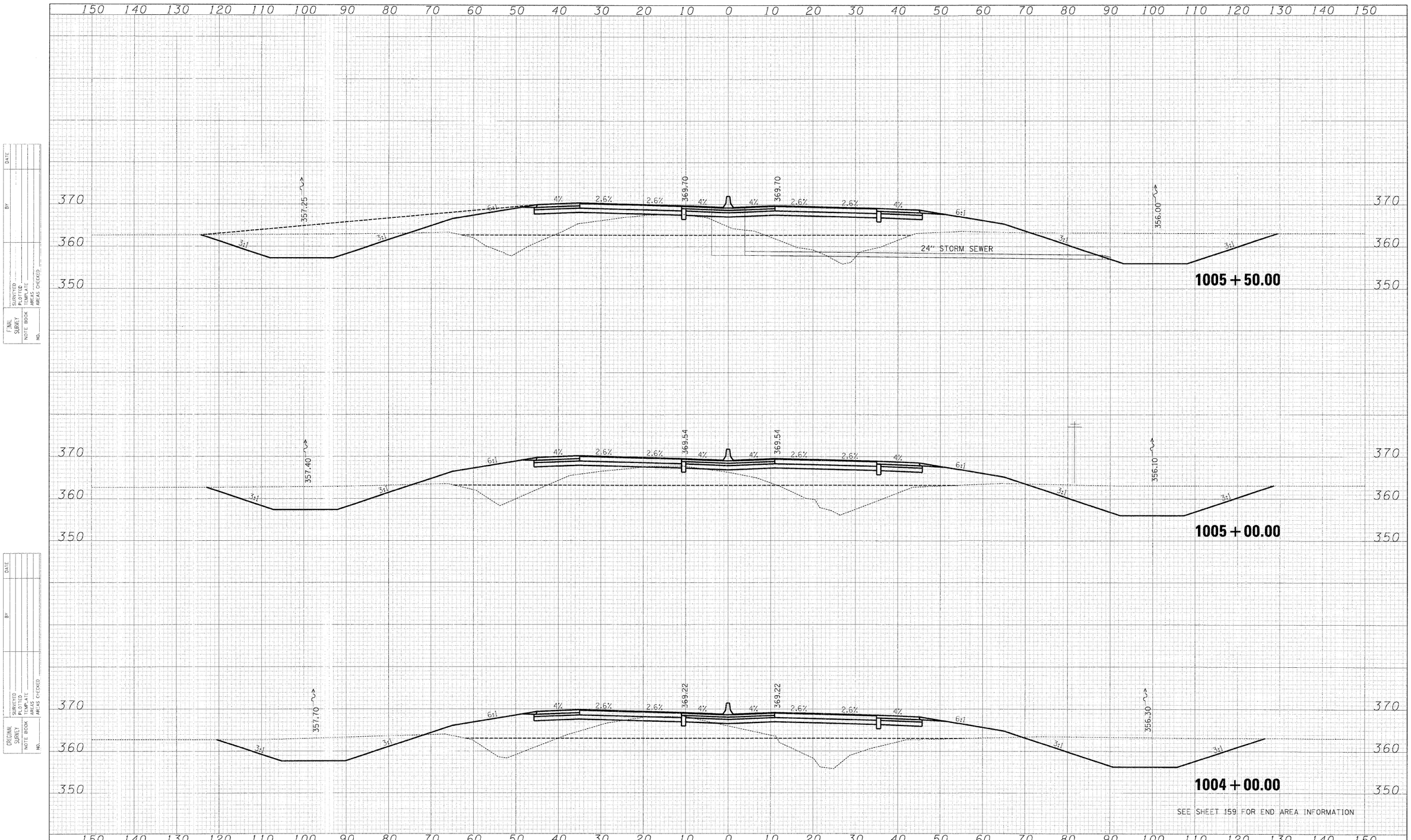
FILE NAME =	USER NAME = bweigand	DESIGNED - BJW	REVISED -
IL13_west_xsec_sheets.dgn		DRAWN - DMS	REVISED -
	PLOT SCALE = 1:10	CHECKED - JPN	REVISED -
	PLOT DATE = 2/2/2009	DATE - 02-02-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS-ILL 13 RELOCATION

SCALE: | SHEET NO. OF SHEETS | STA. 1001+00.00 TO STA. 1003-00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, (8X-1)B ,4-2	SALINE	179	220
		CONTRACT NO. 78058		
FED. ROAD DIST. NO.	ILLINOIS	F.E.D. AID PROJECT		



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

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

FILE NAME = IL13_west_xsec_sheets.dgn	USER NAME = bweigand	DESIGNED - BJW	REVISED -
		DRAWN - DMS	REVISED -
	PLOT SCALE = 1:10	CHECKED JPN	REVISED
	PLOT DATE = 2/2/2009	DATE - 02-02-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

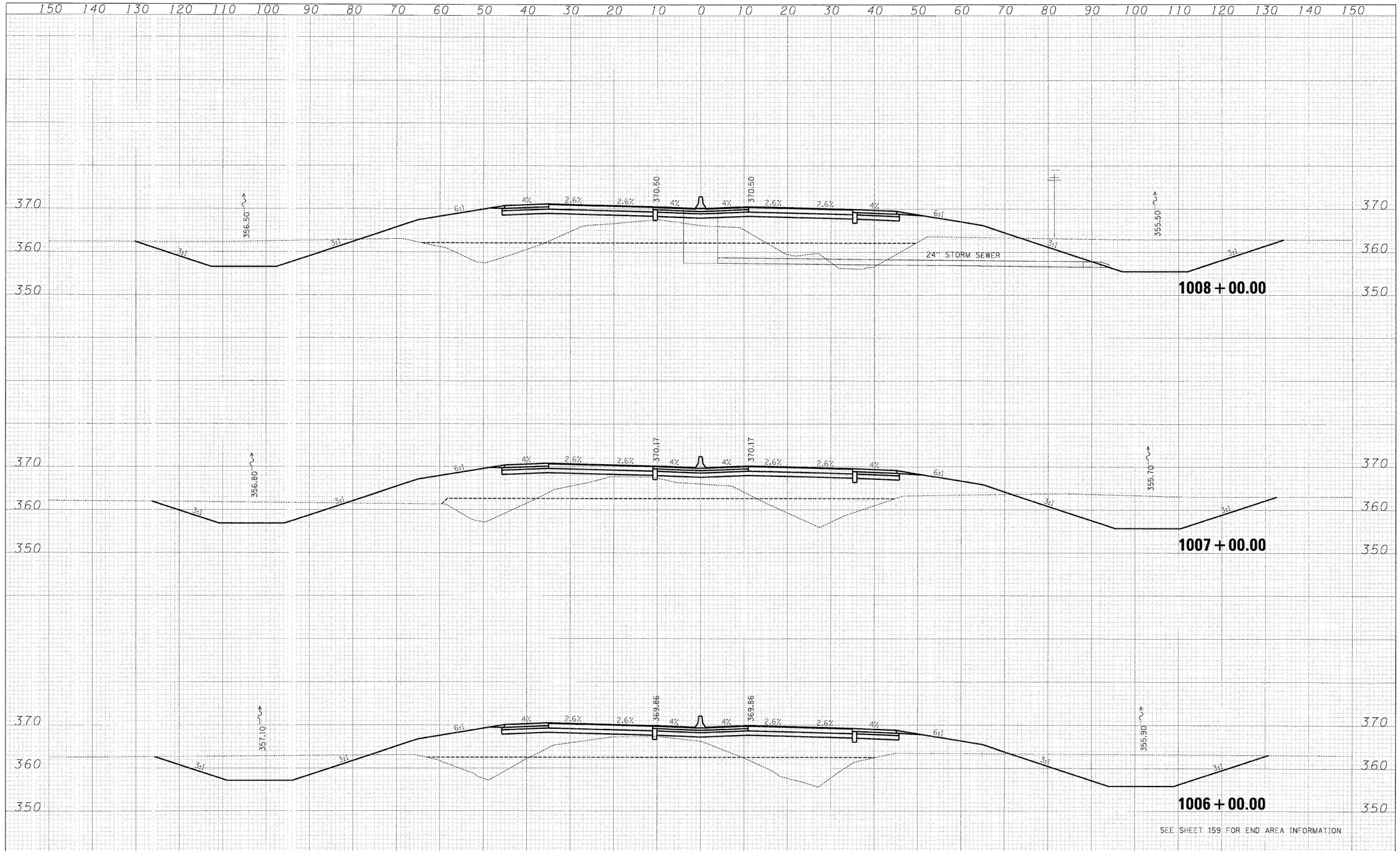
CROSS SECTIONS–ILL 13 RELOCATION

SCALE: | SHEET NO. OF SHEETS | STA. 1004+00.00 TO STA. 1005+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, (8X-1)B ,4-2	SALINE	180	220

CONTRACT NO. 78058

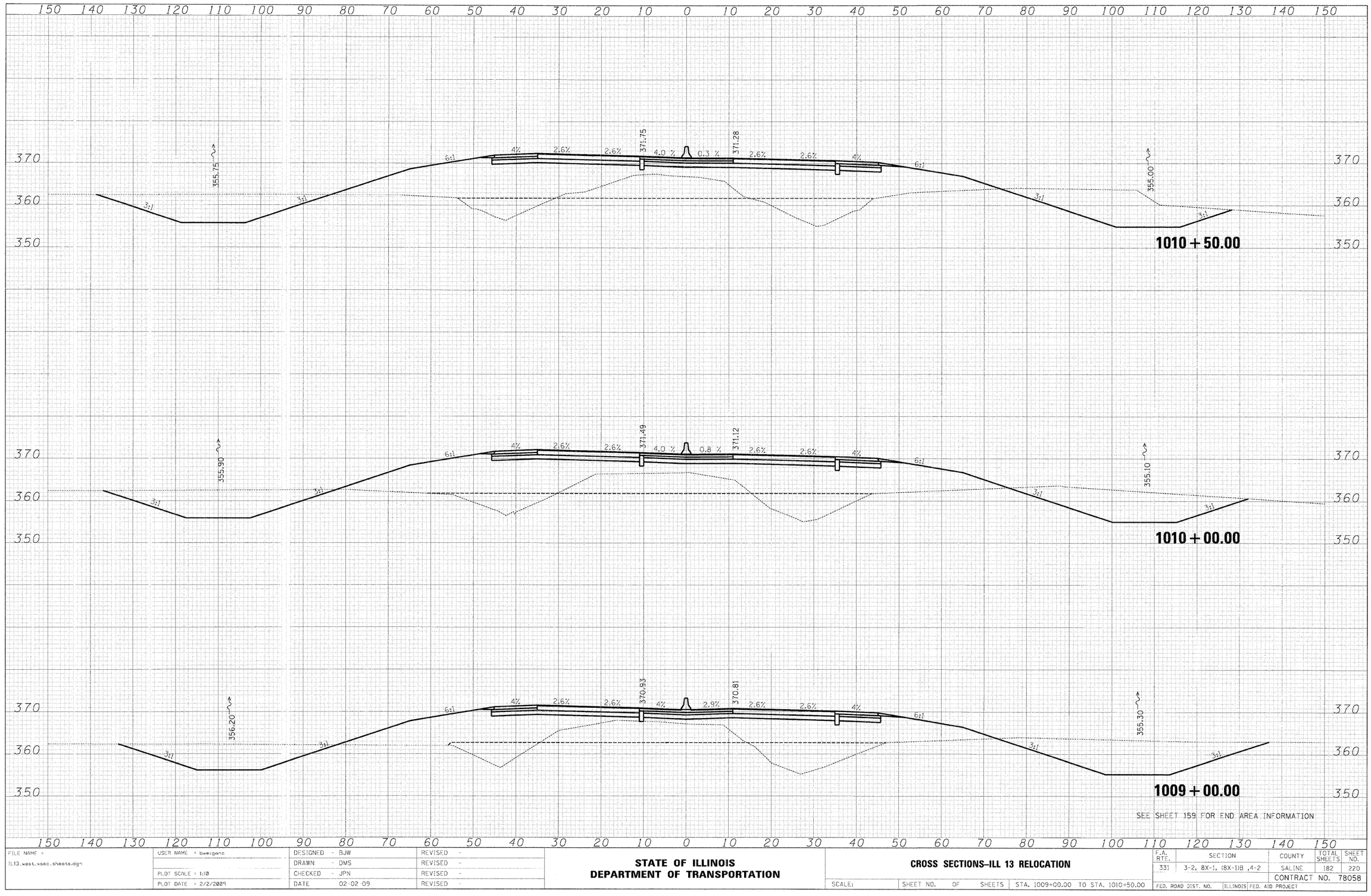
FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT



FILE NAME = IL13_west_xsec_sheets.dgn	USER NAME = bweigand	DESIGNED - BJW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS–ILL 13 RELOCATION	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - DMS	REVISED -			331	3-2, 8X-1, (8X-1)B ,4-2	SALINE	181	220
	PLOT SCALE = 1:10	CHECKED - JPN	REVISED -					CONTRACT NO. 78058		
	PLOT DATE = 2/2/2009	DATE - 02-02-09	REVISED -		SCALE: SHEET NO. OF SHEETS STA. 1006+00.00 TO STA. 1008+00.00	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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



SEE SHEET 159 FOR END AREA INFORMATION

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

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

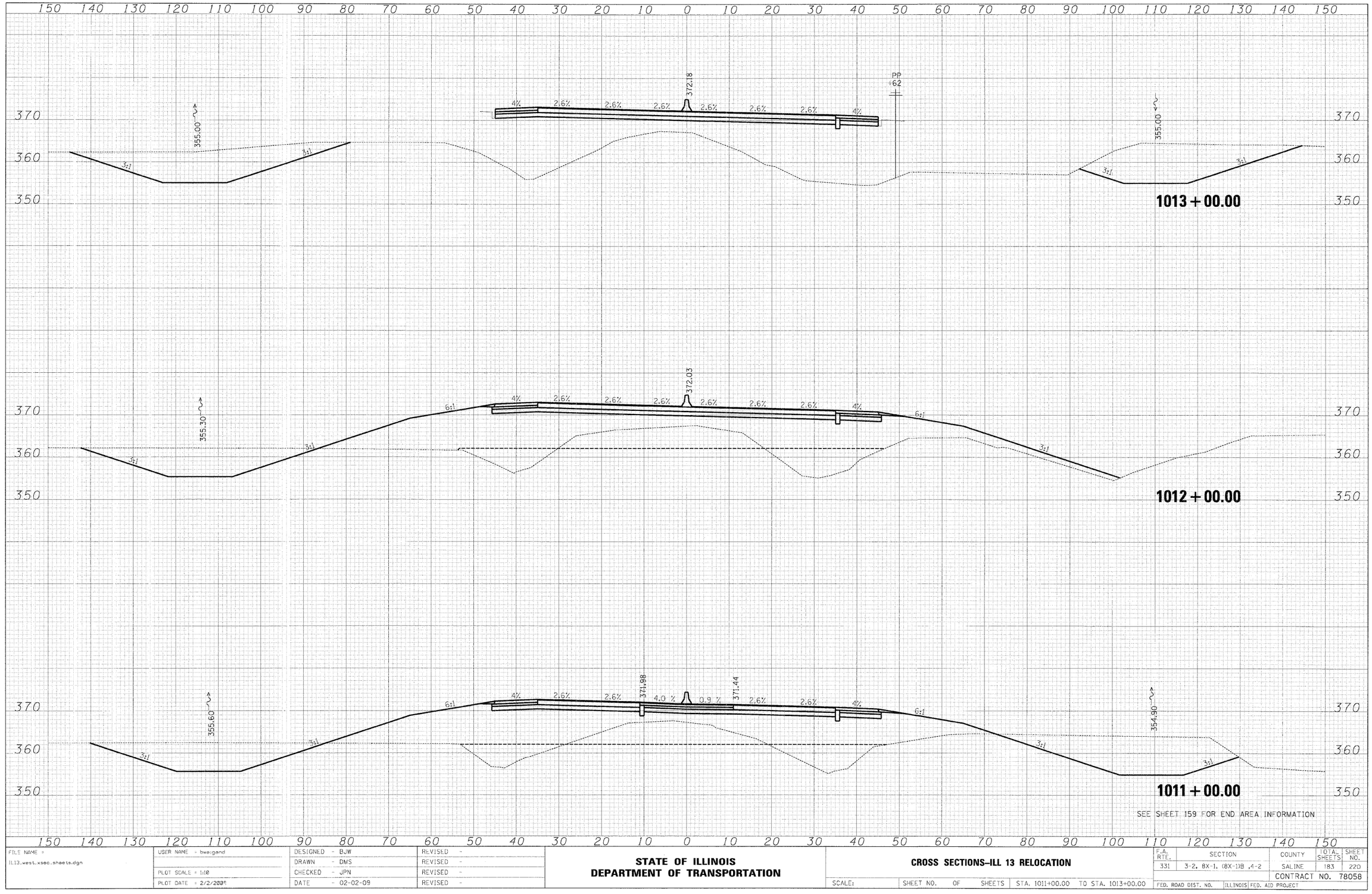
FILE NAME = IL13_west_xsec_sheets.dgn	USER NAME = bwigans	DESIGNED - BJW	REVISED -
		DRAWN - DMS	REVISED -
	PLOT SCALE = 1:10	CHECKED - JPN	REVISED -
	PLOT DATE = 2/2/2009	DATE 02-02-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS–ILL 13 RELOCATION

SCALE: | SHEET NO. OF SHEETS | STA. 1009+00.00 TO STA. 1010+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, (8X-1)B ,4-2	SALINE	182	220
		CONTRACT NO. 78058		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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

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

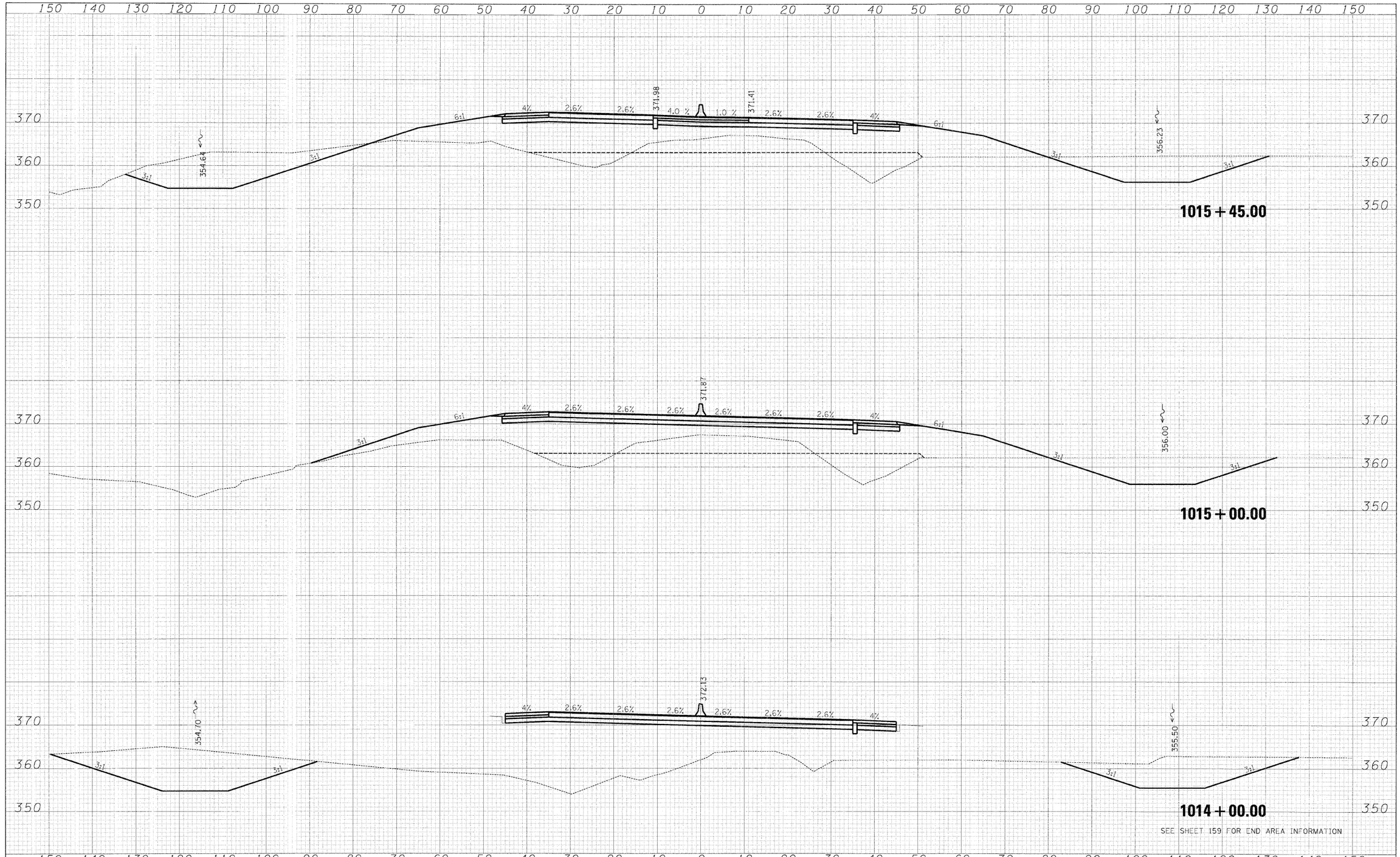
FILE NAME = IL13_west_xsec_sheets.dgn	USER NAME = bweigand	DESIGNED - BJW	REVISED -
		DRAWN - DMS	REVISED -
	PLOT SCALE = 1:10	CHECKED - JPN	REVISED -
	PLOT DATE = 2/2/2009	DATE - 02-02-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS–ILL 13 RELOCATION

SCALE: | SHEET NO. OF SHEETS | STA. 1011+00.00 TO STA. 1013+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, (8X-1)B ,4-2	SALINE	183	220
		CONTRACT NO. 78058		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



SEE SHEET 159 FOR END AREA INFORMATION

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

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

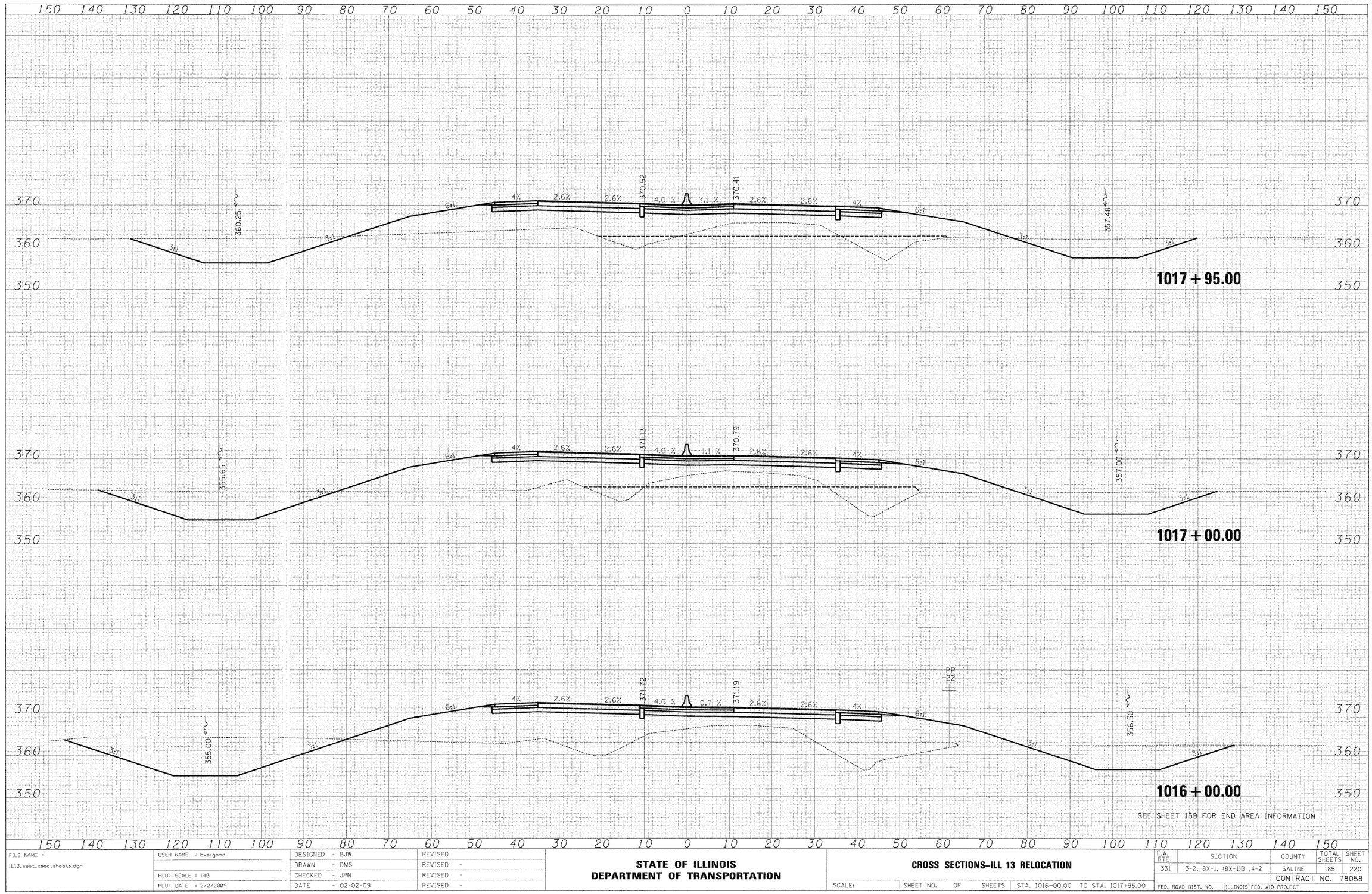
FILE NAME = IL13_west_xsec_sheets.dgn	USER NAME = bwolgand	DESIGNED - BJW	REVISED -
		DRAWN - DMS	REVISED
	PLOT SCALE = 1:10	CHECKED - JPN	REVISED -
	PLOT DATE = 2/2/2009	DATE - 02-02-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS–ILL 13 RELOCATION

SCALE: | SHEET NO. OF SHEETS | STA. 1014+00.00 TO STA. 1015+45.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, (8X-1)B ,4-2	SALINE	184	220
		CONTRACT NO. 78058		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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

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

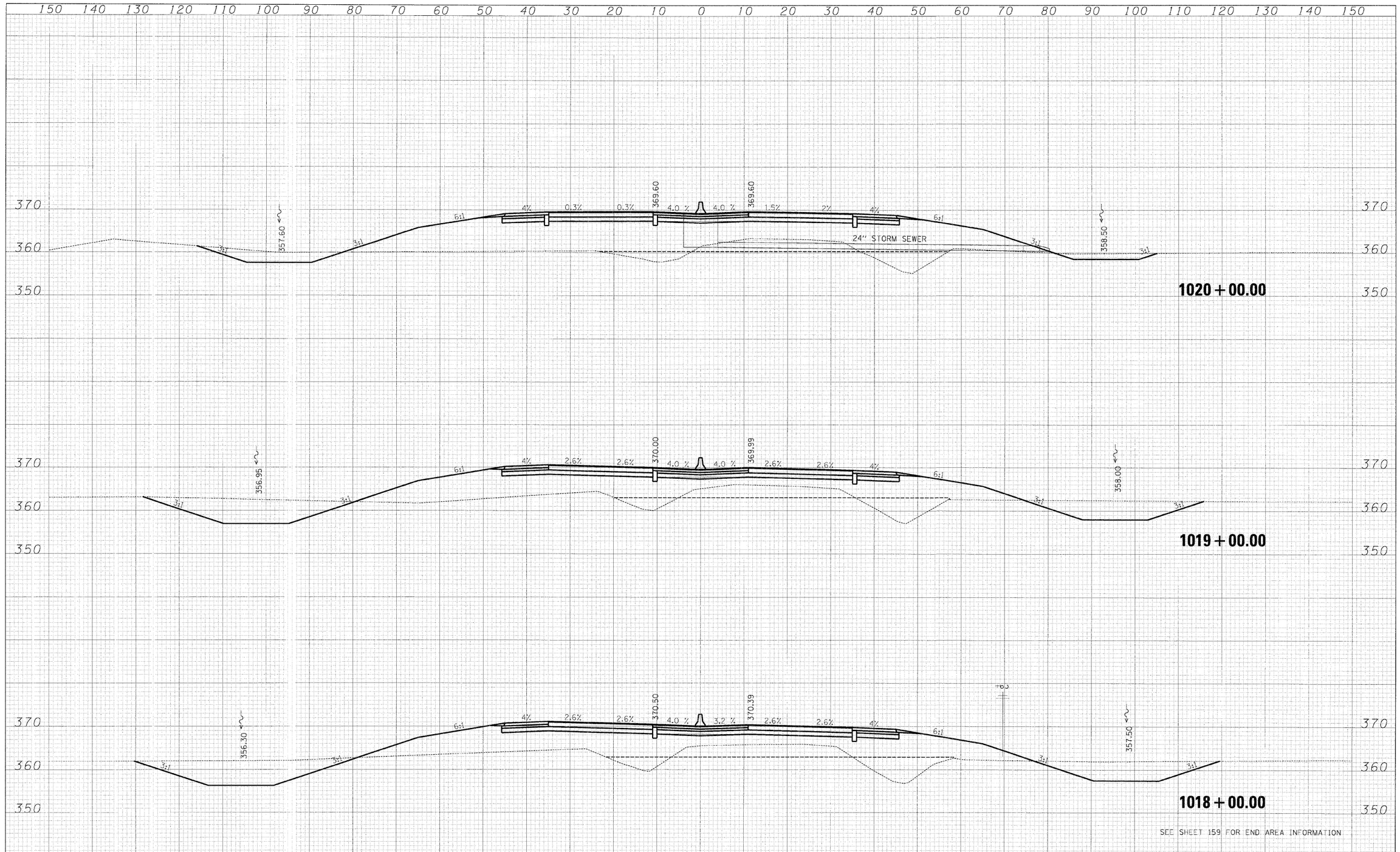
FILE NAME = IL13_west_xsec_sheets.dgn	USER NAME = bwaigand	DESIGNED - BJW	REVISED
		DRAWN - DMS	REVISED -
	PLOT SCALE = 1:10	CHECKED - JPN	REVISED -
	PLOT DATE = 2/2/2009	DATE - 02-02-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS–ILL 13 RELOCATION

SCALE: | SHEET NO. OF SHEETS | STA. 1016+00.00 TO STA. 1017+95.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, (8X-1)B ,4-2	SALINE	185	220
		CONTRACT NO. 78058		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



FILE NAME = IL13_west_xsec_sheets.dgn	USER NAME = bweigand	DESIGNED - BJW	REVISED -
		DRAWN - DMS	REVISED
	PLOT SCALE = 1:10	CHECKED - JPN	REVISED -
	PLOT DATE = 2/2/2009	DATE - 02-02-09	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

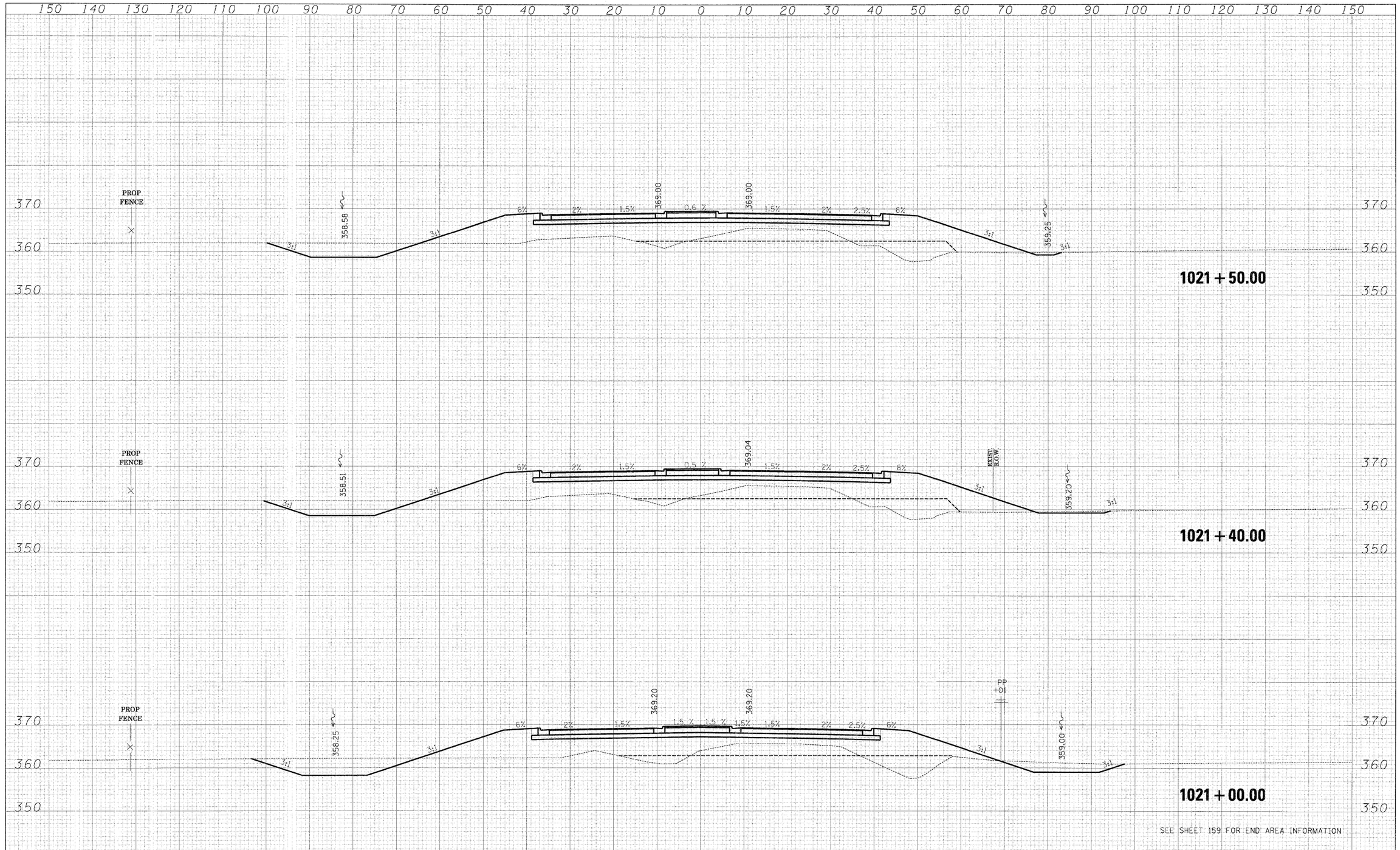
CROSS SECTIONS–ILL 13 RELOCATION

SCALE: | SHEET NO. OF SHEETS | STA. 1018+00.00 TO STA. 1020+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, (8X-1)B ,4-2	SALINE	186	220
		CONTRACT NO. 78058		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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



SEE SHEET 159 FOR END AREA INFORMATION

FILE NAME = IL13_west_xsec_sheets.dgn	USER NAME = bweigand	DESIGNED - BJW	REVISED -
		DRAWN - DMS	REVISED -
	PLOT SCALE = 1:10	CHECKED - JPN	REVISED -
	PLOT DATE = 2/2/2009	DATE - 02-02-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

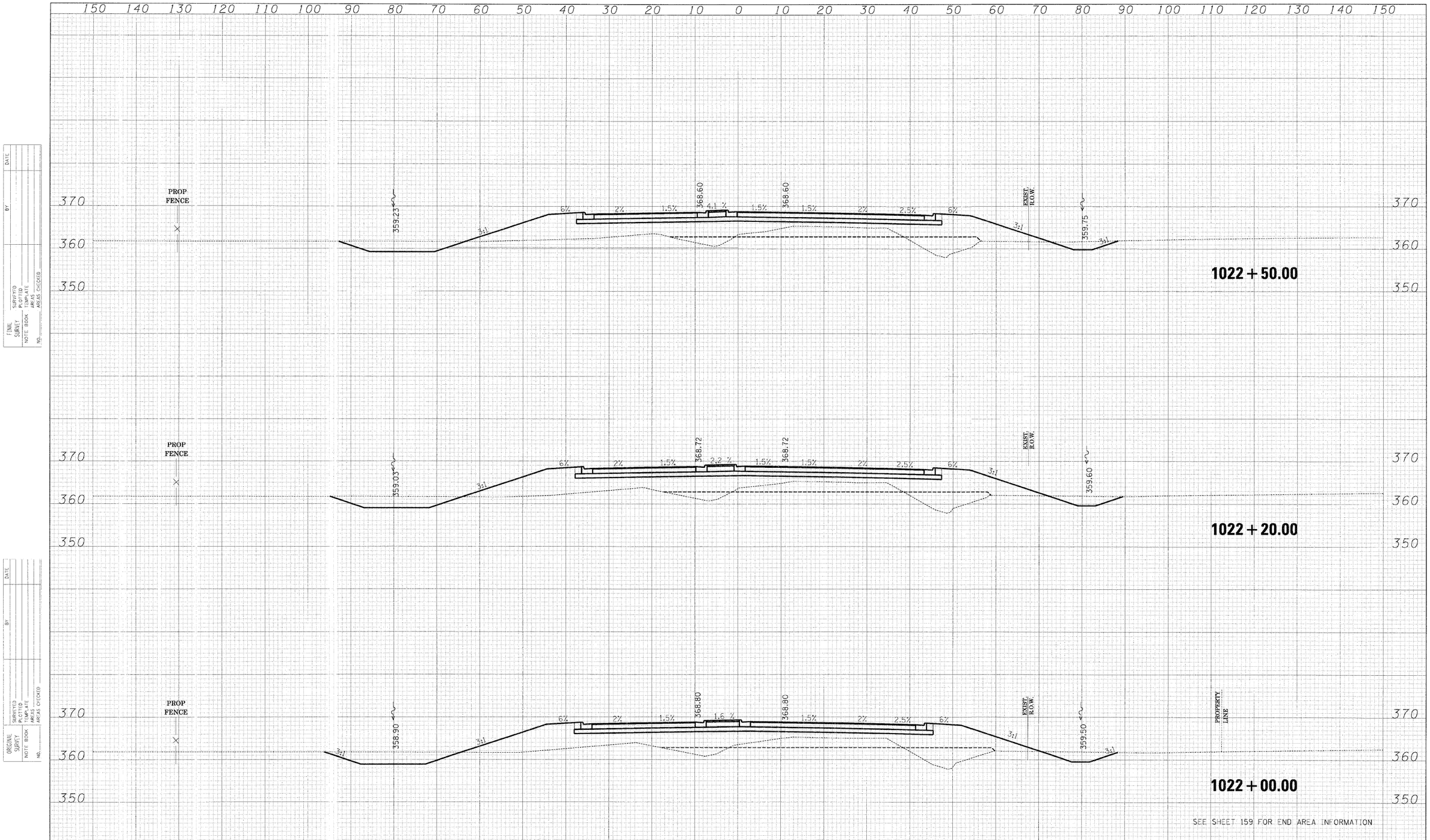
CROSS SECTIONS–ILL 13 RELOCATION

SCALE: | SHEET NO. OF SHEETS | STA. 1021+00.00 TO STA. 1021+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, (8X-1)B ,4-2	SALINE	187	220
		CONTRACT NO. 78058		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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



SEE SHEET 159 FOR END AREA INFORMATION

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

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

FILE NAME = IL13_west_xsec_sheets.dgn	USER NAME = bweigand	DESIGNED - BJW	REVISED -
		DRAWN - DMS	REVISED -
	PLOT SCALE = 1:10	CHECKED - JPN	REVISED -
	PLOT DATE = 2/2/2009	DATE - 02-02-09	REVISED -

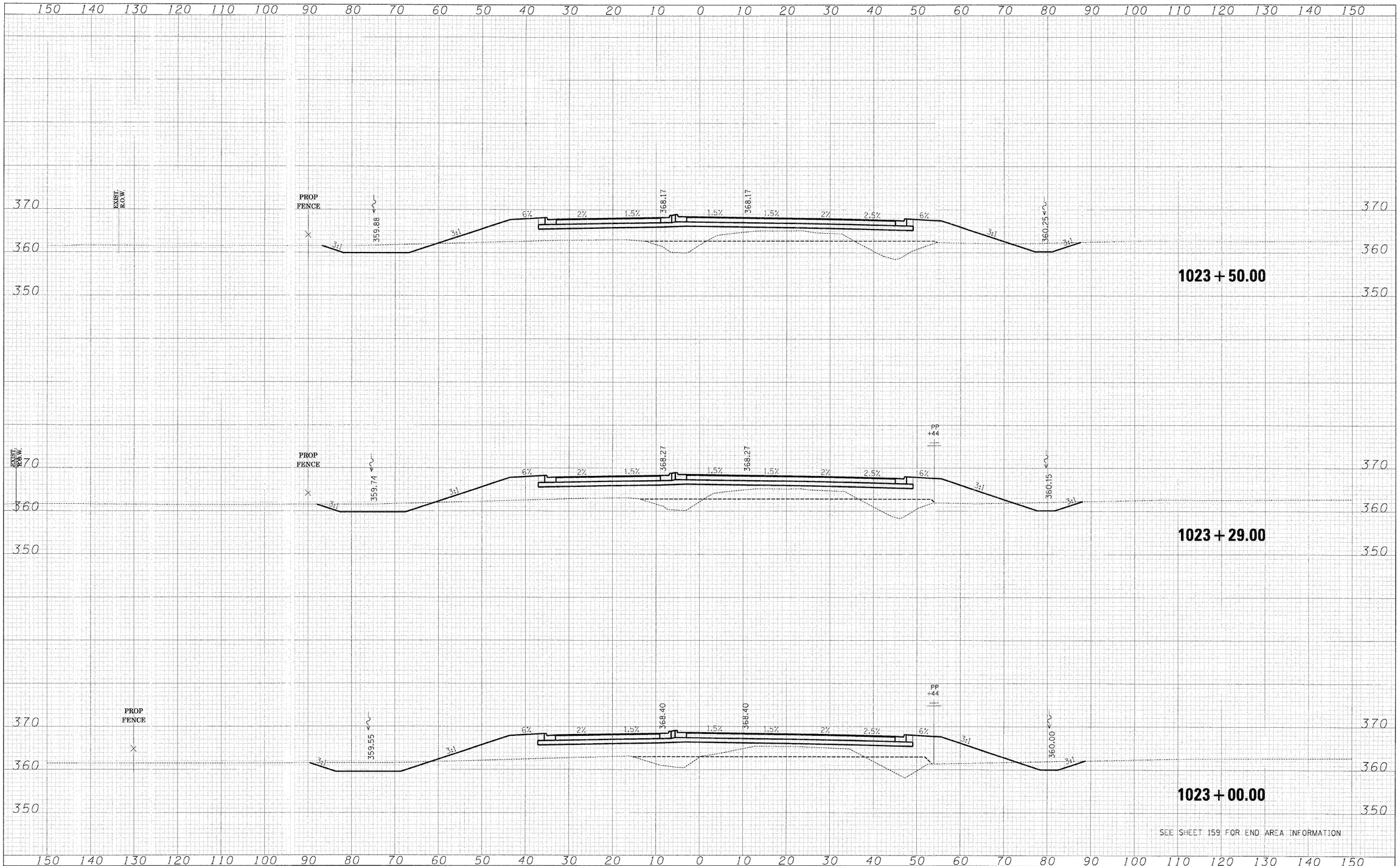
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS–ILL 13 RELOCATION

SCALE: | SHEET NO. OF SHEETS | STA. 1022+00.00 TO STA. 1022+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, 18X-1B ,4-2	SALINE	188	220
		CONTRACT NO. 78058		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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



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

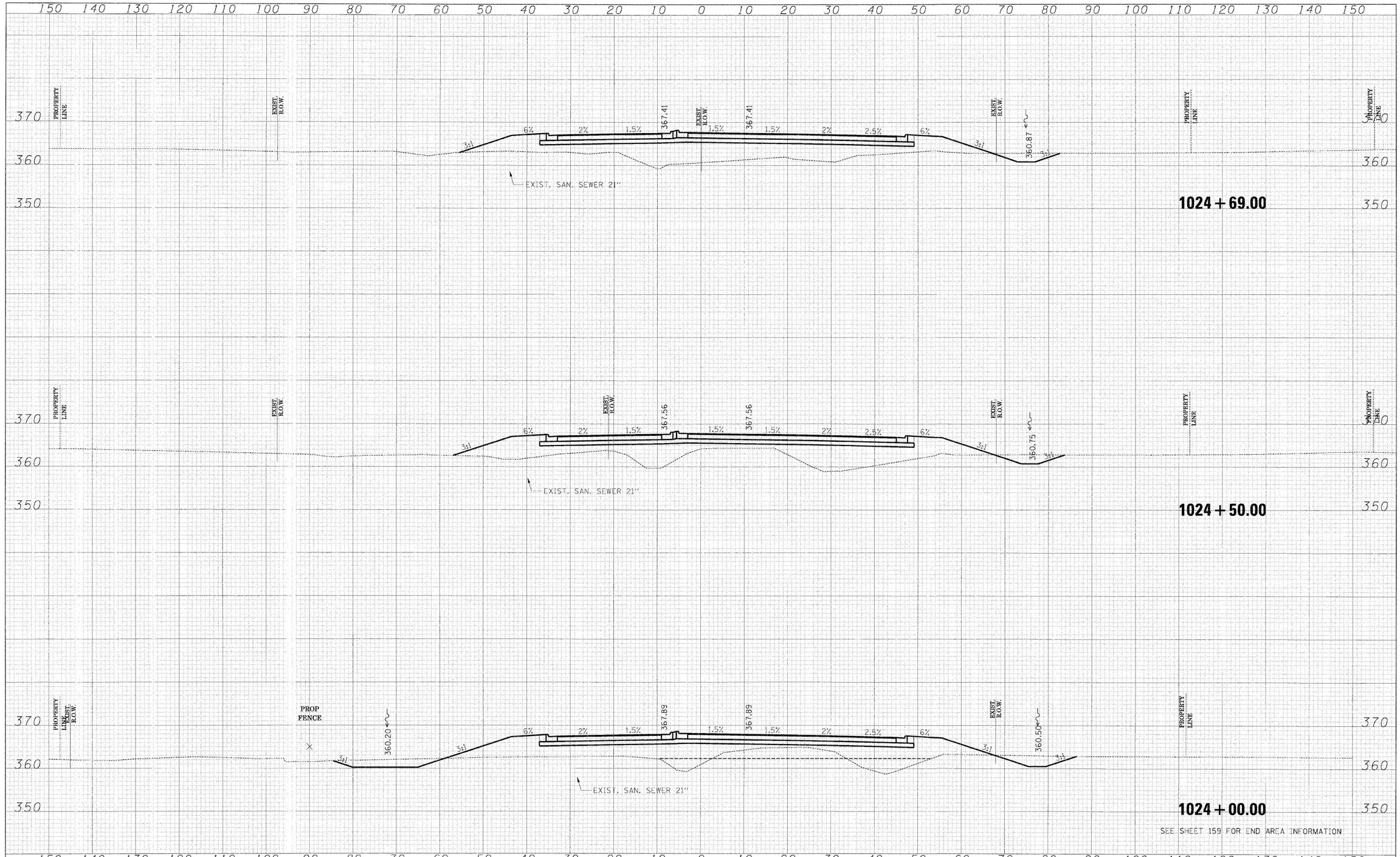
FILE NAME =	USER NAME = bwolgand	DESIGNED - BJW	REVISED -
IL13_west_xsec_sheets.dgn		DRAWN - DMS	REVISED -
	PLOT SCALE = 1:10	CHECKED - JPN	REVISED -
	PLOT DATE = 2/2/2009	DATE 02-02-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS–ILL 13 RELOCATION

SCALE: | SHEET NO. OF SHEETS | STA. 1023+00.00 TO STA. 1023+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, (8X-1)B ,4-2	SALINE	189	220
		CONTRACT NO. 78058		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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

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

FILE NAME = IL13_west_xsec_sheets.dgn	USER NAME = bwolgamo	DESIGNED - BJW	REVISED -
		DRAWN - DMS	REVISED -
	PLOT SCALE = 1:10	CHECKED - JPN	REVISED -
	PLOT DATE = 2/2/2009	DATE - 02-02-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

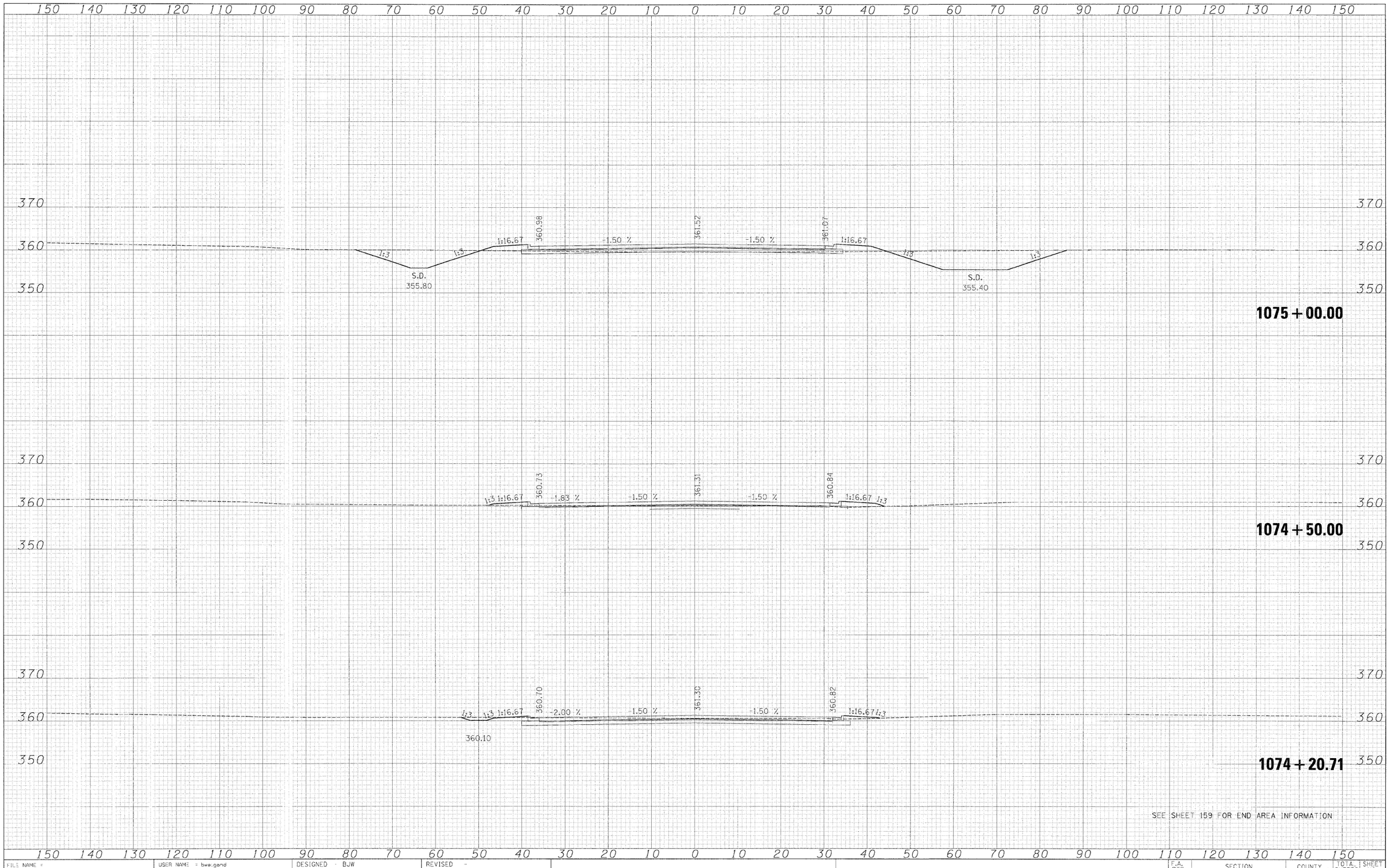
CROSS SECTIONS–ILL 13 RELOCATION

SCALE: | SHEET NO. OF SHEETS | STA. 1024+00.00 TO STA. 1024+69.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, (8X-1)B ,4-2	SALINE	190	220
		CONTRACT NO. 78058		

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

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



SEE SHEET 159 FOR END AREA INFORMATION

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

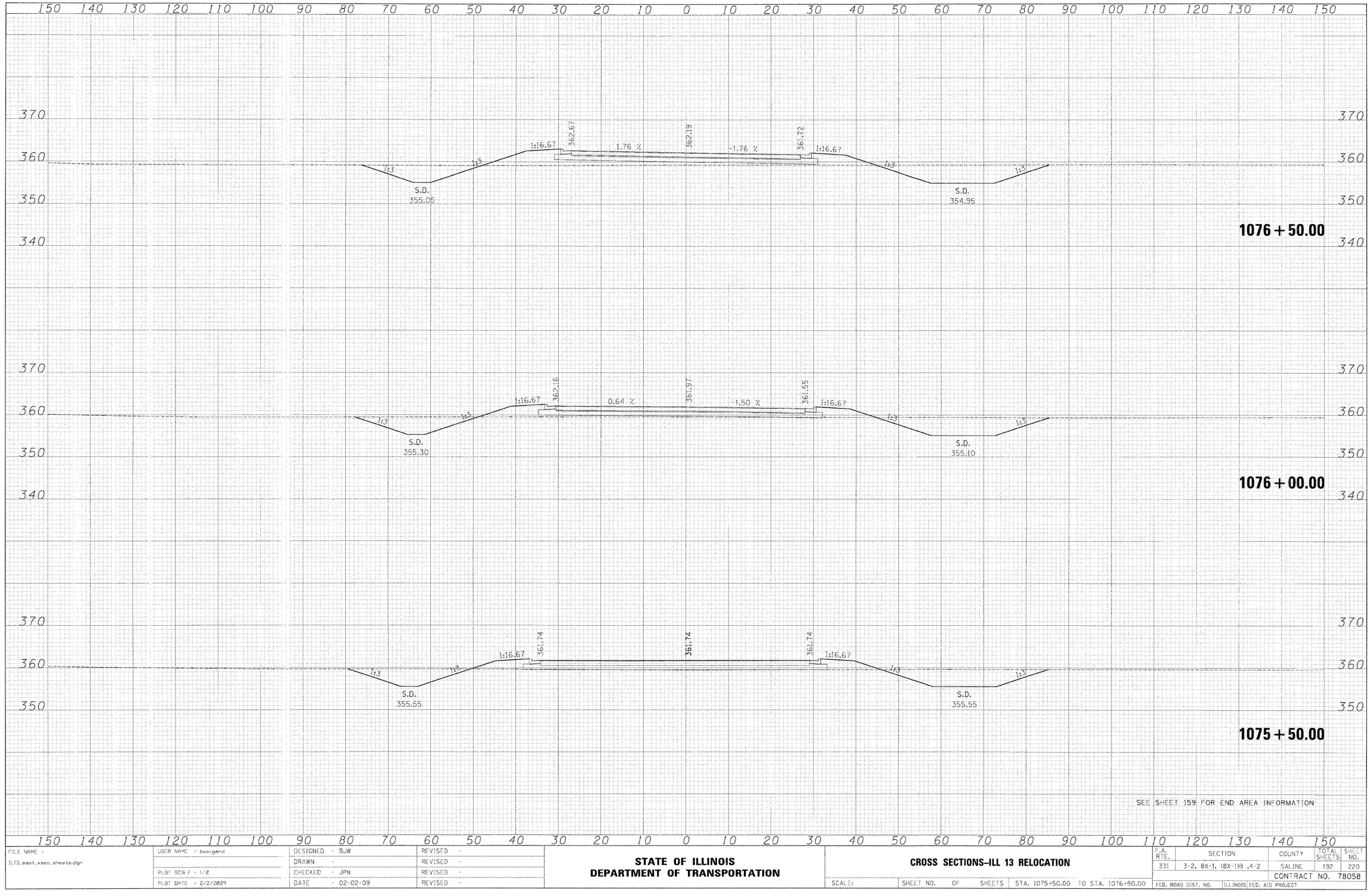
FILE NAME = IL13_east_xsec_sheets.dgn	USER NAME = bwe.gand	DESIGNED - BJW	REVISED -
		DRAWN - DMS	REVISED -
	PLOT SCALE = 1:10	CHECKED - JPN	REVISED -
	PLOT DATE = 2/2/2009	DATE - 02-02-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS–ILL 13 RELOCATION

SCALE: | SHEET NO. OF SHEETS | STA. 1074+20.71 TO STA. 1075+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, (8X-1)B ,4-2	SALINE	191	220
		CONTRACT NO. 78058		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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

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

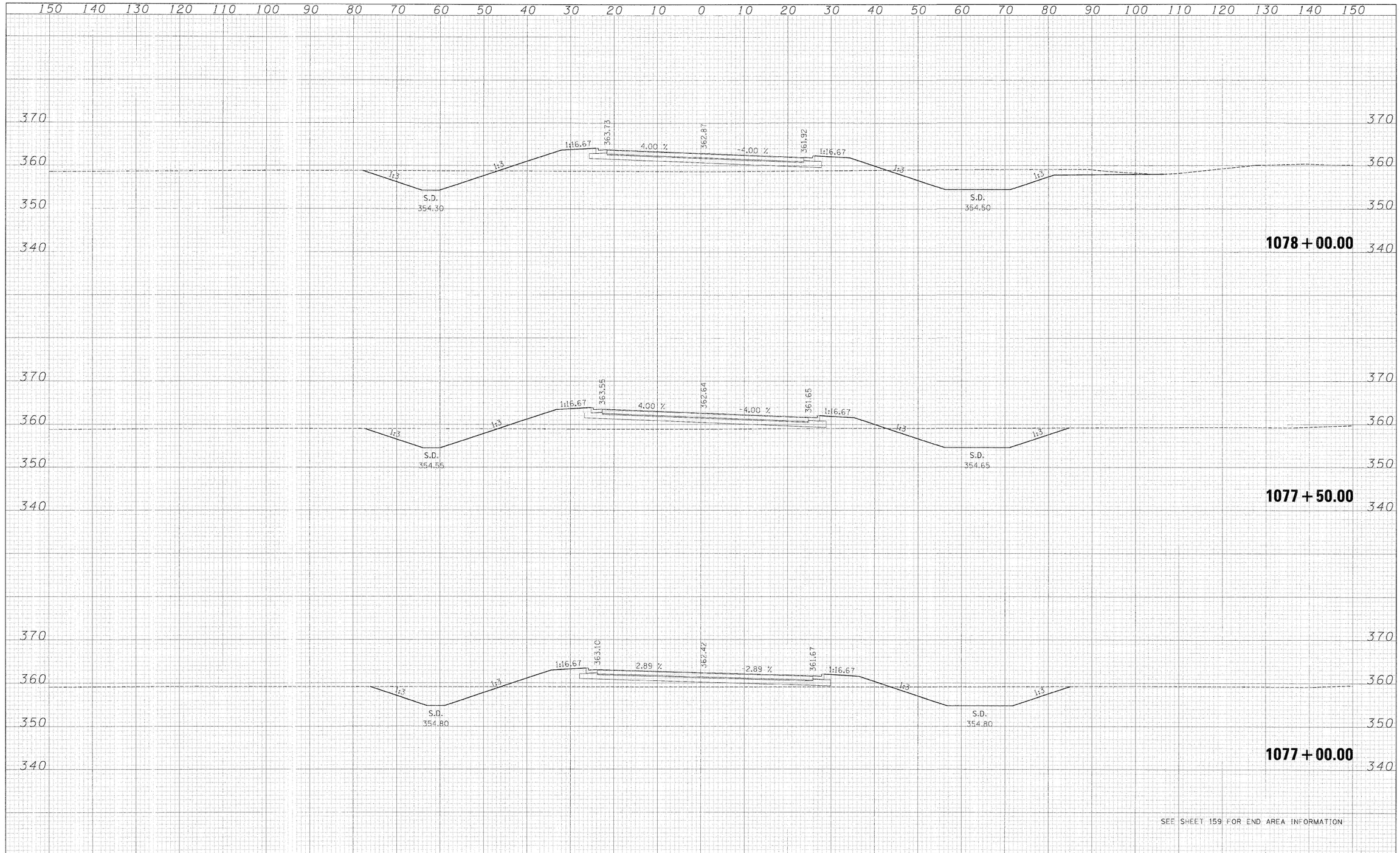
FILE NAME = IL13_east_xsec_sheets.dgn	USER NAME = bweigand	DESIGNED - BJW	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 1:1	CHECKED - JPN	REVISED -
	PLOT DATE = 2/2/2009	DATE - 02-02-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS-ILL 13 RELOCATION

SCALE: | SHEET NO. OF SHEETS | STA. 1075+50.00 TO STA. 1076+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, (8X-1)B ,4-2	SALINE	192	220
		CONTRACT NO. 78058		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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

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

FILE NAME = IL13_east_xsec_sheets.dgn	USER NAME = bweigand	DESIGNED - BJW	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 1:2	CHECKED - JPN	REVISED -
	PLOT DATE = 2/2/2009	DATE - 02-02-09	REVISED -

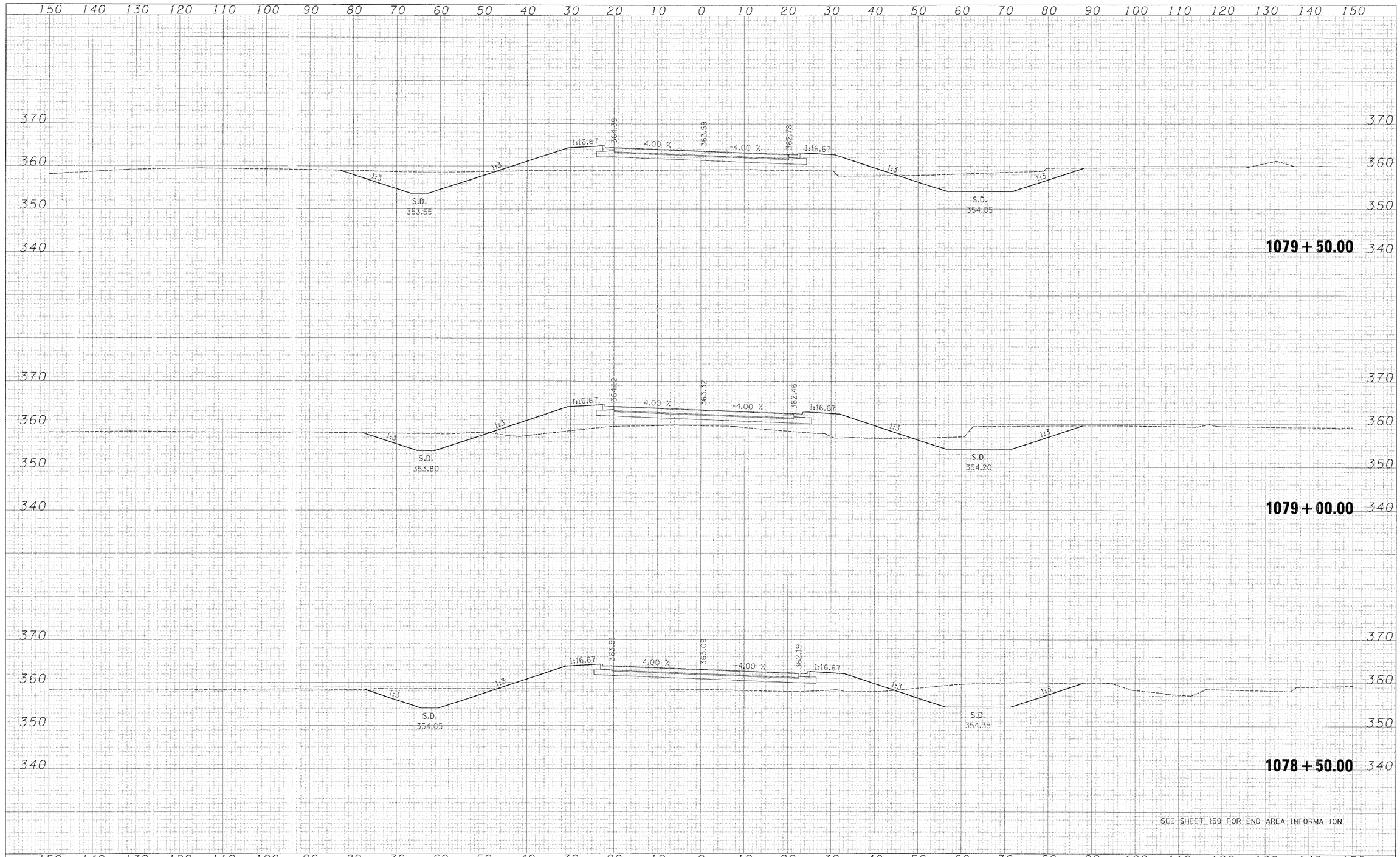
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS–ILL 13 RELOCATION

SCALE: | SHEET NO. OF SHEETS | STA. 1077+00.00 TO STA. 1078-00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, (8X-1)B ,4-2	SALINE	193	220
		CONTRACT NO. 78058		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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



SEE SHEET 159 FOR END AREA INFORMATION

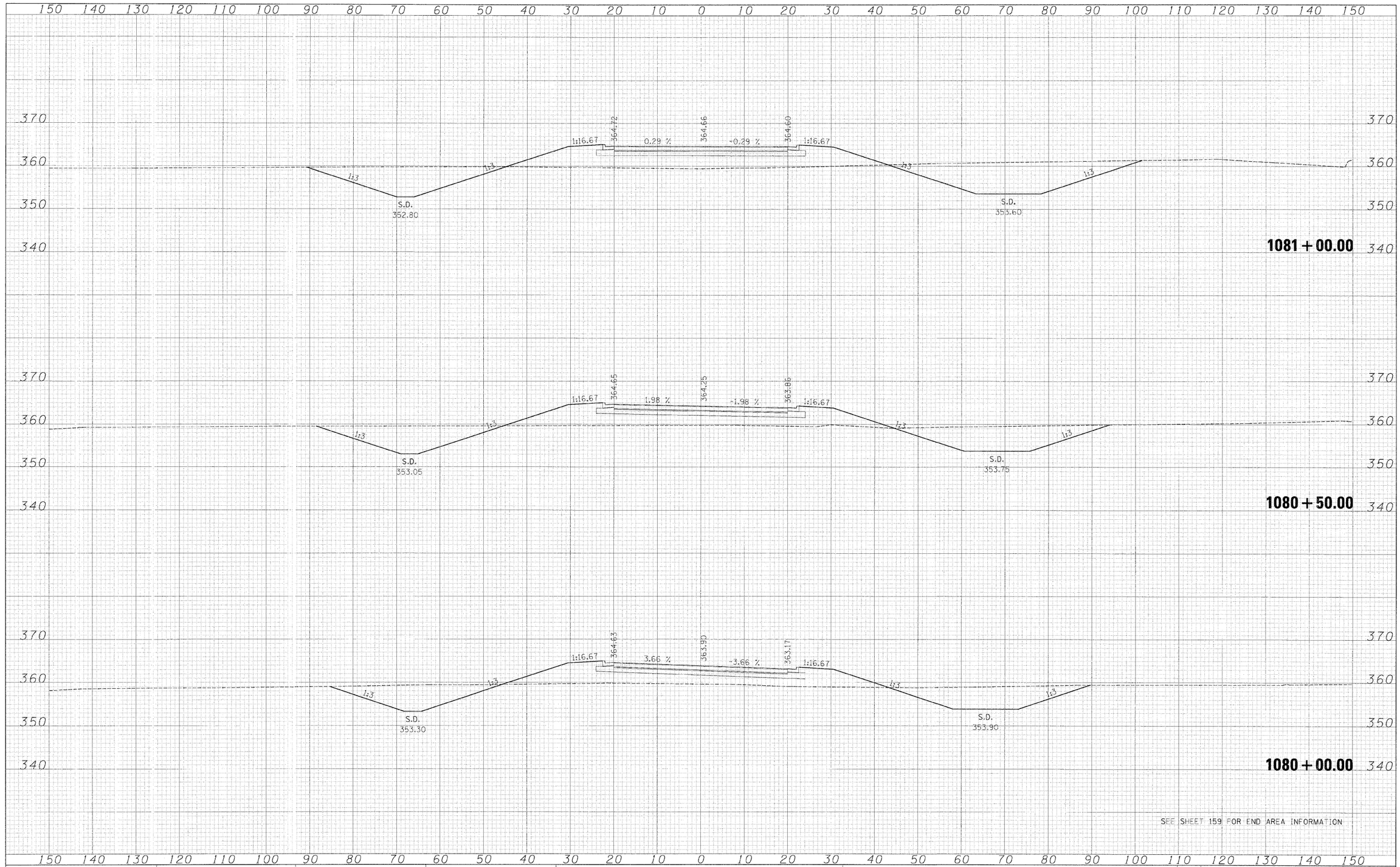
ORIGINAL SURVEY	SURVEYED	BY
	PLOTTED	DATE
NOTE BOOK	TEMPLATE	
NO.	AREAS	
	AREAS CHECKED	

FILE NAME = IL13.east.xsec.sheets.dgn	USER NAME = bwaigand	DESIGNED - BJW	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**CROSS SECTIONS–ILL 13 RELOCATION**
		DRAWN	REVISED		
	PLOT SCALE = 1:10	CHECKED - JPN	REVISED -		
	PLOT DATE = 2/2/2009	DATE - 02-02-09	REVISED -		

SCALE: | SHEET NO. OF SHEETS | STA. 1078+50.00 TO STA. 1079+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, (8X-1)B ,4-2	SALINE	194	220
		CONTRACT NO. 78058		

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT



SEE SHEET 159 FOR END AREA INFORMATION

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

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

FILE NAME = IL13_east_xsec_sheets.dgn	USER NAME = bweigand	DESIGNED - BJW	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 1:10	CHECKED JPN	REVISED
	PLOT DATE = 2/2/2009	DATE - 02-02-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

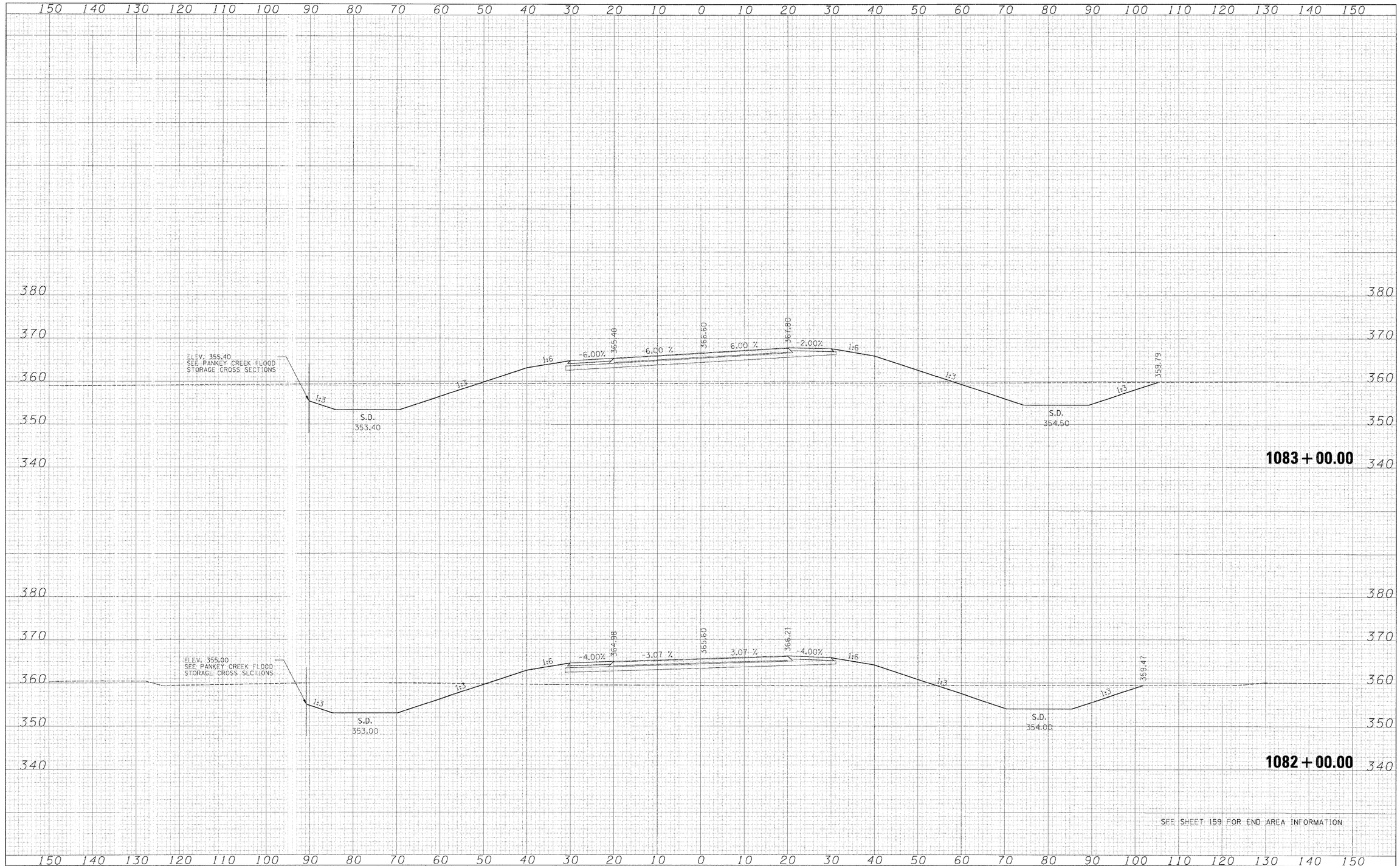
CROSS SECTIONS–ILL 13 RELOCATION

SCALE: | SHEET NO. OF SHEETS | STA. 1080+00.00 TO STA. 1081+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, (8X-1)B ,4-2	SALINE	195	220
		CONTRACT NO. 78058		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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



FILE NAME = IL13_east_xsec_sheets.dgn	USER NAME = bweigand	DESIGNED - BJW	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 1:10	CHECKED - JPN	REVISED -
	PLOT DATE = 2/2/2009	DATE - 02-02-09	REVISED -

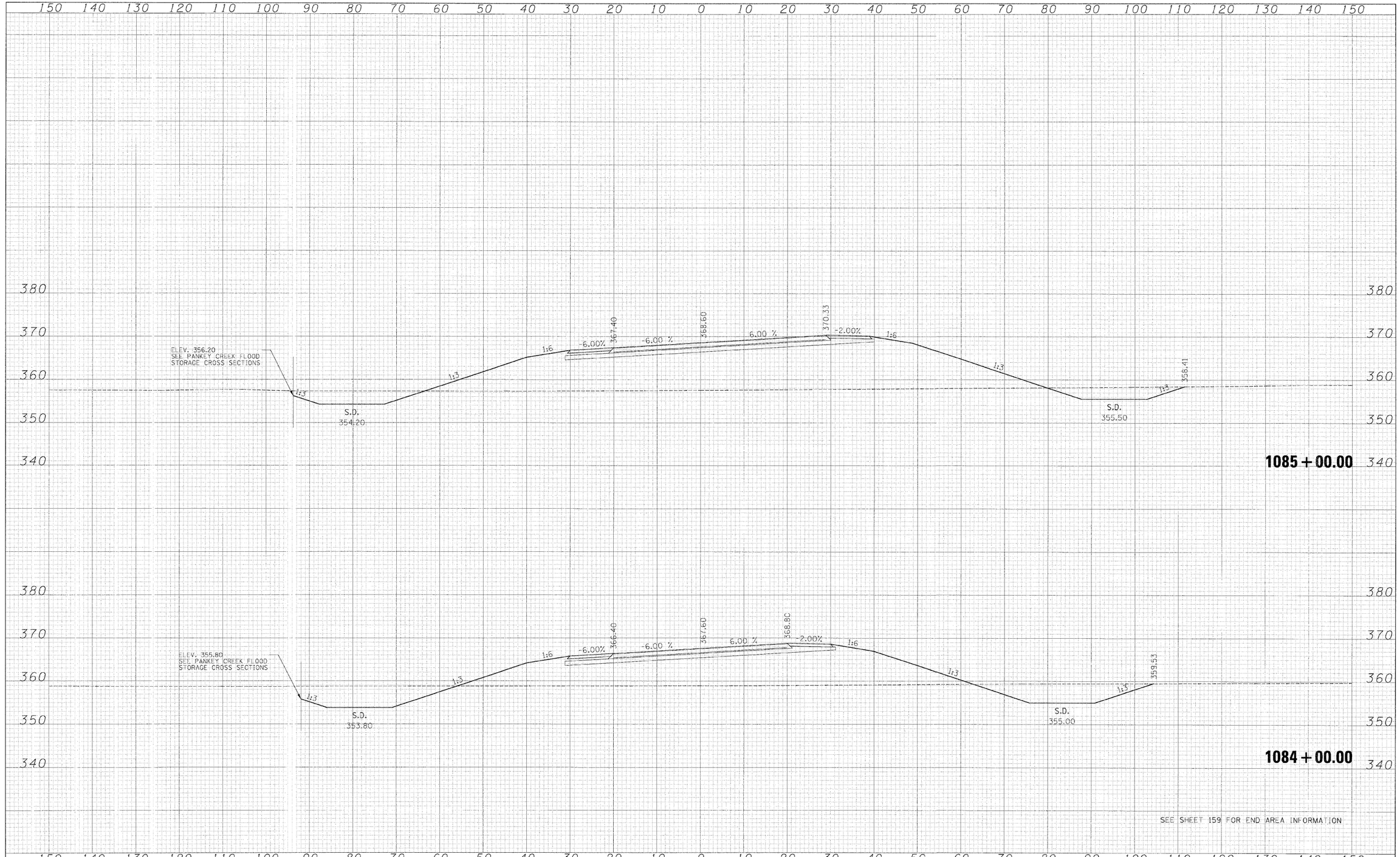
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS–ILL 13 RELOCATION

SCALE: | SHEET NO. OF SHEETS | STA. 1082+00.00 TO STA. 1083+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, (8X-1)B ,4-2	SALINE	196	220
		CONTRACT NO. 78058		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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



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

FILE NAME = IL13_east_xsec_sheets.dgn	USER NAME = bweigand	DESIGNED - BJW	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 1:10	CHECKED - JPN	REVISED -
	PLOT DATE = 2/2/2009	DATE - 02-02-09	REVISED -

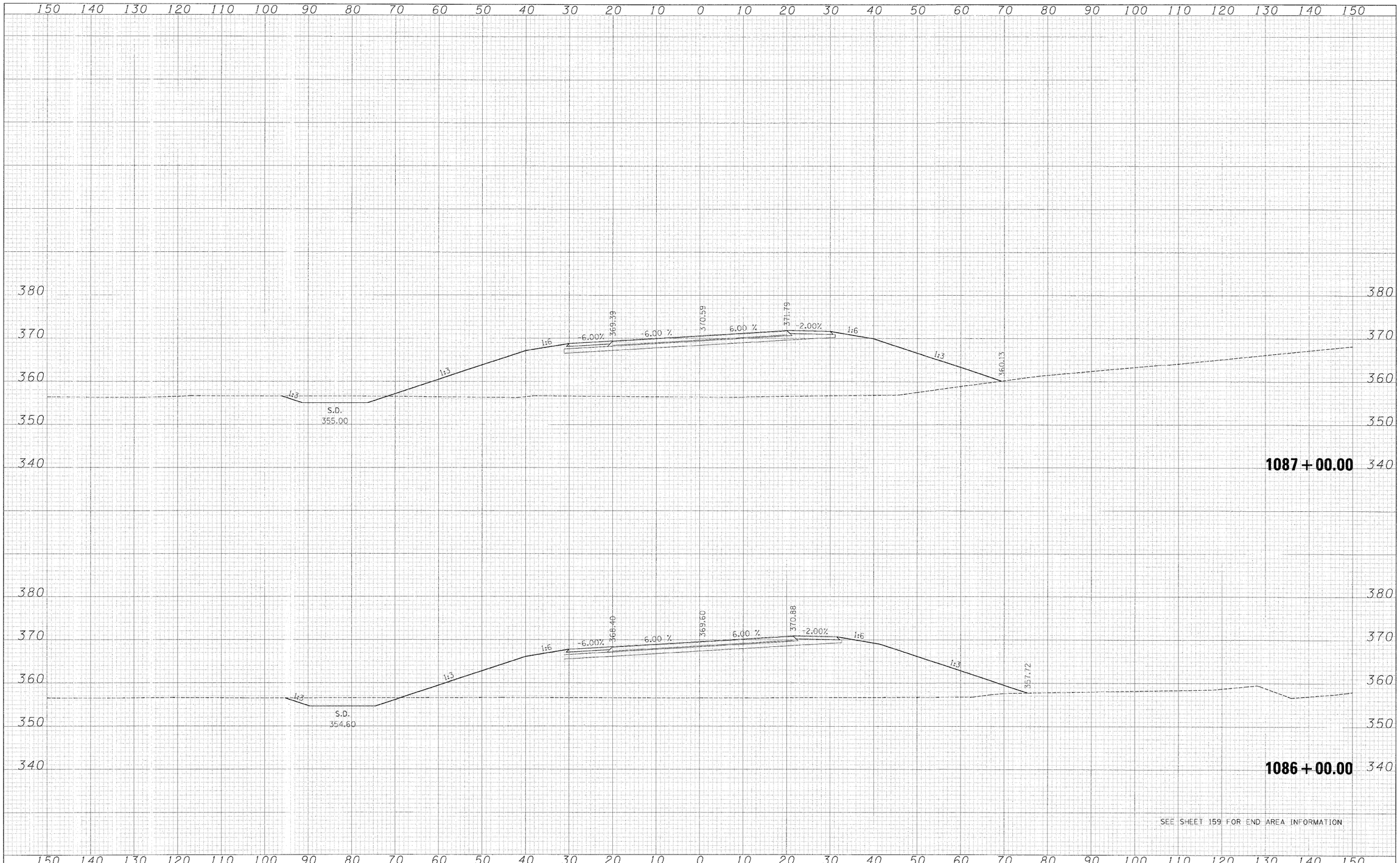
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS–ILL 13 RELOCATION

SCALE: | SHEET NO. OF SHEETS | STA. 1084+00.00 TO STA. 1085+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, (8X-1)B ,4-2	SALINE	197	220
		CONTRACT NO. 78058		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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



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

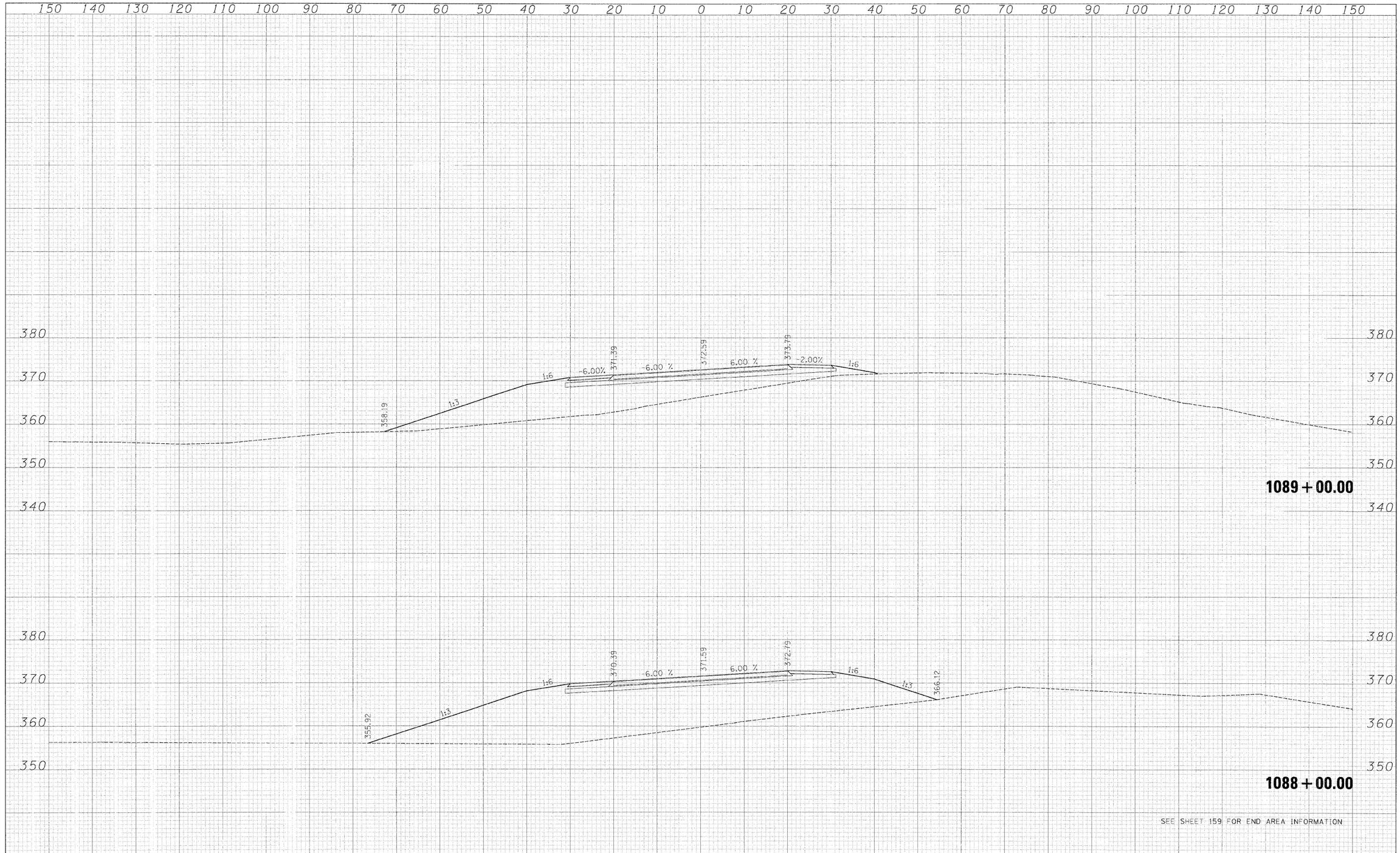
FILE NAME = IL13_east_xsec_sheets.dgn	USER NAME = bweigand	DESIGNED - BJW	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 1:10	CHECKED - JPN	REVISED -
	PLOT DATE = 2/2/2009	DATE - 02-02-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS–ILL 13 RELOCATION

SCALE: | SHEET NO. OF SHEETS | STA. 1086+00.00 TO STA. 1087+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, (8X-1)B ,4-2	SALINE	198	220
		CONTRACT NO. 78058		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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

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

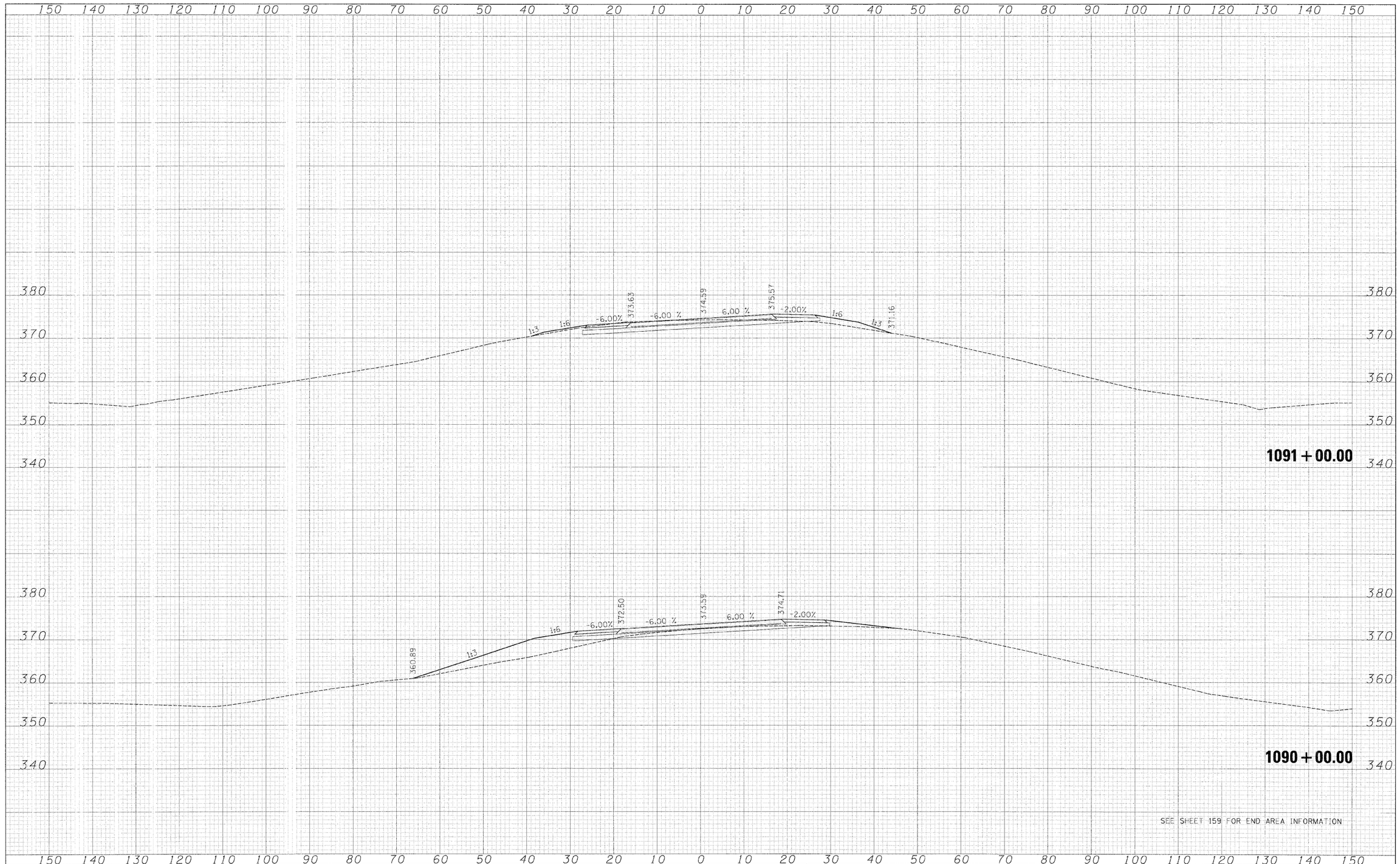
FILE NAME = IL13_east_xsec_sheets.dgn	USER NAME = bweigand	DESIGNED - BJW	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 1:10	CHECKED - JPN	REVISED -
	PLOT DATE = 2/2/2009	DATE - 02-02-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS–ILL 13 RELOCATION

SCALE: | SHEET NO. OF SHEETS | STA. 1088+00.00 TO STA. 1089+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, (8X-1)B ,4-2	SALINE	199	220
		CONTRACT NO. 78058		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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

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

FILE NAME = IL13_east_xsec sheets.dgn	USER NAME = bwe;gand	DESIGNED - BJW	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 1:10	CHECKED - JPN	REVISED -
	PLOT DATE = 2/2/2009	DATE - 02-02-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS–ILL 13 RELOCATION

SCALE: | SHEET NO. OF SHEETS | STA. 1090+00.00 TO STA. 1091+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	3-2, 8X-1, (8X-1)B, 4-2	SALINE	200	220
		CONTRACT NO. 78058		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		