WEST SOLDIER PILE WALL DATA

PILE NO.	STATION AT F.F.	OFFSET AT F.F.	TOP OF WALL EL.	FINISH GRADE EL. AT F.F.	TOP OF ENCASE-MENT EL.	MIN. PILE EMBED
1	303+75.00	30.00' Lt.	733.88	731.31	729.31	12.50'
2	303+82.92	30.00' Lt.	734.49	731.71	729.71	12.50'
3	303+90.84	30.00' Lt.	735.09	732.11	730.11	12.50'
4	303+98.76	30.00' Lt.	735.70	732.51	730.51	12.50'
5	304+06.68	30.00' Lt.	736.22	732.91	730.91	12.50'
6	304+14.60	30.00' Lt.	736.72	733.31	731.31	12.50'
7	304+22.52	30.00' Lt.	737.22	733.71	731.71	12.50'
8	304+30.44	30.00' Lt.	737.72	734.11	732.11	12.50'
9	304+38.36	30.00' Lt.	738.22	734.51	732.51	12.50'
10	304+46.28	30.00' Lt.	738.72	734.91	732.91	12.50'
11	304+54.20	30.00' Lt.	739.18	735.31	733.31	12.50'
12	304+62.12	30.00' Lt.	739.60	735.71	733.71	12.50'
13	304+70.04	30.00' Lt.	740.03	736.11	734.11	12.50'
14	304+77.96	30.00' Lt.	740.46	736.51	734.51	12.50'
15	304+85.88	30.00' Lt.	740.88	736.91	734.91	12.50'
16	304+93.79	30.00' Lt.	741.31	737.31	735.31	12.50'
17	305+01.71	30.00' Lt.	741.75	737.71	735.71	12.50'
18	305+09.63	30.00' Lt.	742.25	738.11	736.11	12.50'
19	305+17.55	30.00' Lt.	742.75	738.51	736.51	12.50'
20	305+25.47	30.00' Lt.	743.25	738.91	736.91	12.50'
21	305+33.39	30.00' Lt.	743.75	739.31	737.31	12.50'
22	305+41.31	30.00' Lt.	744.25	739.71	737.71	12.50'
23	305+49.23	30.00' Lt.	744.74	740.11	738.11	12.50'
24	305+57.15	30.00' Lt.	745.05	740.51	738.51	12.50'
25	305+65.07	30.00' Lt.	745.33	740.91	738.91	12.50'
26	305+72.99	30.00' Lt.	745.62	741.31	739.31	12.50'
27	305+80.91	30.00' Lt.	745.90	741.71	739.71	12.50'
28	305+88.83	30.00' Lt.	746.18	742.11	740.11	12.50'
29	305+96.75	30.00' Lt.	746.47	742.51	740.51	12.50'
30	306+04.67	30.00' Lt.	746.77	742.91	740.91	12.50'
31	306+12.59	30.00' Lt.	747.08	743.31	741.31	12.50'
32	306+20.51	30.00' Lt.	747.39	743.71	741.71	12.50'
33	306+28.43	30.00' Lt.	747.71	744.11	742.11	12.50'
34	306+36.35	30.00' Lt.	748.02	744.51	742.51	12.50'
35	306+44.27	30.00' Lt.	748.33	744.91	742.91	12.50'
36	306+52.19	30.00' Lt.	748.64	745.31	743.31	12.50'
37	306+60.11	30.00' Lt.	748.92	745.71	743.71	12.50'
38	306+68.03	30.00' Lt.	749.20	746.11	744.11	12.50'

EAST SOLDIER PILE WALL DATA

PILE NO.	STATION AT F.F.	OFFSET AT F.F.	TOP OF WALL EL.	FINISH GRADE EL. AT F.F.	TOP OF ENCASE-MENT EL.	MIN. PILE EMBED
1	304+23.31	35.00' Rt.	737.92	735.42	733.42	14.00'
2	304+31.41	35.00' Rt.	739.08	735.83	733.83	14.00'
3	304+39.50	35.00' Rt.	740.24	736.24	734.24	14.00'
4	304+47.60	35.00' Rt.	741.40	736.64	734.64	14.00'
5	304+55.69	35.00' Rt.	742.06	737.05	735.05	16.50'
6	304+63.79	35.00' Rt.	742.52	737.46	735.46	16.50'
7	304+71.88	35.00' Rt.	742.98	737.86	735.86	16.50'
8	304+79.98	35.00' Rt.	743.44	738.27	736.27	16.50'
9	304+88.08	35.00' Rt.	743.90	738.68	736.68	16.50'
10	304+96.17	35.00' Rt.	744.36	739.09	737.09	16.50'
11	305+04.27	35.00' Rt.	744.79	739.50	737.50	16.50'
12	305+12.36	35.00' Rt.	745.21	739.92	737.92	16.50'
13	305+20.46	35.00' Rt.	745.64	740.34	738.34	16.50'
14	305+28.56	35.00' Rt.	746.06	740.76	738.76	16.50'
15	305+36.65	35.00' Rt.	746.48	741.18	739.18	16.50'
16	305+44.75	35.00' Rt.	746.90	741.60	739.60	16.50'
17	305+52.84	35.00' Rt.	747.31	742.00	740.00	16.50'
18	305+60.94	35.00' Rt.	747.69	742.40	740.40	16.50'
19	305+69.03	35.00' Rt.	748.07	742.80	740.80	16.50'
20	305+77.13	35.00' Rt.	748.46	743.20	741.20	16.50'
21	305+85.23	35.00' Rt.	748.85	743.60	741.60	16.50'
22	305+93.32	35.00' Rt.	749.24	744.00	742.00	16.50'
23	306+01.42	35.00' Rt.	749.64	744.40	742.40	16.50'
24	306+09.51	35.00' Rt.	750.13	744.82	742.82	16.50'
25	306+17.61	35.00' Rt.	750.62	745.23	743.23	16.50'
26	306+25.71	35.00' Rt.	751.10	745.64	743.64	16.50'
27	306+33.80	35.00' Rt.	751.59	746.05	744.05	16.50'
28	306+41.90	35.00' Rt.	752.08	746.46	744.46	16.50'
29	306+49.99	35.00' Rt.	752.57	746.87	744.87	16.50'
30	306+58.09	35.00' Rt.	753.06	747.27	745.27	16.50'
31	306+66.18	35.00' Rt.	753.55	747.66	745.66	16.50'
32	306+74.28	35.00' Rt.	754.04	748.05	746.05	16.50'
33	306+82.28	35.00' Rt.	754.53	748.44	746.44	16.50'
34	306+90.28	35.00' Rt.	754.72	748.82	746.82	16.50'
35	306+98.28	35.00' Rt.	755.19	749.22	747.22	16.50'
36	307+06.28	35.00' Rt.	755.92	749.58	747.58	16.50'
37	307+14.28	35.00' Rt.	756.32	749.92	747.92	16.50'
38	307+22.28	35.00' Rt.	756.74	750.28	748.28	16.50'
39	307+30.28	35.00' Rt.	757.14	750.63	748.63	16.50'
40	307+38.28	35.00' Rt.	757.55	750.98	748.98	16.50'
41	307+46.28	35.00' Rt.	757.96	751.33	749.33	16.50'
42	307+54.28	35.00' Rt.	758.26	751.65	749.65	16.50'
43	307+62.28	35.00' Rt.	758.47	751.96	749.96	16.50'
44	307+70.28	35.00' Rt.	758.67	752.26	750.26	16.50'
45	307+78.28	35.00' Rt.	758.87	752.56	750.56	16.50'
46	307+86.28	35.00' Rt.	759.08	752.87	750.87	16.50'
47	307+94.28	35.00' Rt.	759.28	753.18	751.18	16.50'
48	308+02.28	35.00' Rt.	759.48	753.46	751.46	16.50'
49	308+10.28	35.00' Rt.	759.67	753.72	751.72	16.50'
50	308+18.28	35.00' Rt.	759.85	753.98	751.98	16.50'
51	308+26.28	35.00' Rt.	760.03	754.24	752.24	16.50'
52	308+34.28	35.00' Rt.	760.22	754.50	752.50	16.50'
53	308+42.28	35.00' Rt.	760.40	754.76	752.76	16.50'
54	308+50.28	35.00' Rt.	760.58	755.01	753.01	16.50'
55	308+58.28	35.00' Rt.	760.75	755.23	753.23	16.50'
56	308+66.28	35.00' Rt.	760.91	755.44	753.44	16.50'
57	308+74.28	35.00' Rt.	761.07	755.65	753.65	16.50'
58	308+82.28	35.00' Rt.	761.23	755.87	753.87	16.50'
59	308+90.28	35.00' Rt.	761.39	756.08	754.08	16.50'
60	308+98.28	35.00' Rt.	761.56	756.29	754.29	16.50'

EAST SOLDIER PILE WALL DATA (CONT.)

PILE NO.	STATION AT F.F.	OFFSET AT F.F.	TOP OF WALL EL.	FINISH GRADE EL. AT F.F.	TOP OF ENCASE-MENT EL.	MIN. PILE EMBED
61	309+06.28	35.00' Rt.	761.49	756.37	754.37	16.50'
62	309+14.18	35.01' Rt.	761.36	756.42	754.42	14.00'
63	309+22.04	34.40' Rt.	761.23	756.47	754.47	14.00'
64	309+29.91	33.82' Rt.	761.11	756.52	754.52	14.00'
65	309+37.79	33.26' Rt.	760.98	756.56	754.56	14.00'
66	309+45.66	32.72' Rt.	760.86	756.61	754.61	14.00'
67	309+53.54	32.21' Rt.	760.71	756.62	754.62	14.00'
68	309+61.43	31.73' Rt.	760.54	756.60	754.60	14.00'
69	309+69.31	31.27' Rt.	760.38	756.58	754.58	14.00'
70	309+77.20	30.84' Rt.	760.21	756.55	754.55	14.00'
71	309+85.09	30.44' Rt.	760.05	756.53	754.53	14.00'
72	309+92.99	30.06' Rt.	759.88	756.50	754.50	14.00'
73	310+00.88	29.70' Rt.	759.70	756.47	754.47	14.00'

NOTES:

1. Bottom of panel shall be placed at top of encasement elevation.
2. Elevations shall be verified in the field and may be adjusted as directed by the Engineer.
3. F.F. denotes front face of panels.
4. Minimum pile embedment measured from ground line at front face of wall.
5. Top of pile elevation is the minimum elevation required to provide 1'-0" of extension above existing ground.
6. Soldier piles shall be painted Medium Tan (Color No. 33446 from the Federal Color Standard 595B).
7. Shims may be used at the base of precast panels to provide level placement. Cost included with the cost of Precast Concrete Lagging.

benesch engineers · scientists · planners
Alfred Benesch & Company
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 10092

FILE NAME = IL25_WALLS_003_Data.dgn	USER NAME = akeschall	DESIGNED - MFH	REVISED -
		CHECKED - AJK	REVISED -
	PLOT SCALE =	DRAWN - MFH	REVISED -
	PLOT DATE = 11/9/2011	CHECKED - HMA	REVISED -

CITY OF ST. CHARLES

SOLDIER PILE DATA
RETAINING WALLS ALONG IL 25
SHEET NO. SR3 OF SR13 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	301
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			

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Geotechnical, Environmental & Civil Engineering
805 Amherst Court, Suite 204
Naperville, Illinois 60563
(630) 355-2838

SOIL BORING LOG

PAGE 1 of 1
DATE 6/8/2011
LOGGED BY MD
GSI JOB No. 10191

ROUTE IL. Rte. 25 & IL. Rte. 31 DESCRIPTION Red Gate Road Over The Fox River
SECTION 04-00092-00-BR LOCATION SEC. 15, TWP. 40 N., RNG. 8 E., 3rd P.M., St. Charles Township
COUNTY Kane DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE CME Automatic
STRUCT. NO. XXX
Station XX+XX
BORING NO. **RW-05**
Station 304+25 IL Route 25
Offset 7.0' Left
Ground Surface Elev. 731.2

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry to 5.0
Upon Completion n/a
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	
0				7.0" ASPHALT, 6.0" CONCRETE (730.1)
	3		119	
	5			SILTY CLAY LOAM–brown–medium dense (A–4)
	6	4.9B	12	
	4		124	
	8	6.3S@		SILT–brown–medium dense (A–4)
–5	13	14.1%	11	(706.2 –25)
	7		120	CLAY LOAM–brown–stiff to hard (A–6)
	11			
	14	3.2B	13	
	7		121	
–10	10 11	2.9B	13	
	6		118	
	9			
	13	2.7B	14	
	4		122	
	5			
–15	7	1.75B	12	
	3		123	
	5			
	7	1.8B	12	
				(713.2)
	5			CLAY LOAM–gray–stiff (A–6)
	7			
–20	8	1.5P	11	

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	
				CLAY LOAM–gray–stiff (A–6) (710.7)
	7			
	9			
	10	4.5P	11	
				(708.2)
	11			
	14			
	18	NP	22	
				End Of Boring @ –25.0'
				Hollow Stem Augers To –5.0
				Rotary Drilling To Completion
				CME Automatic Hammer
				5.0' Of 4.0"ø Casing Used
–30				
–35				
–40				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery PS–Pushed Spoon

Geo Services, Inc.
Geotechnical, Environmental & Civil Engineering
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Naperville, Illinois 60563
(630) 355-2838

SOIL BORING LOG

PAGE 1 of 1
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ROUTE IL. Rte. 25 & IL. Rte. 31 DESCRIPTION Red Gate Road Over The Fox River
SECTION 04-00092-00-BR LOCATION SEC. 15, TWP. 40 N., RNG. 8 E., 3rd P.M., St. Charles Township
COUNTY Kane DRILLING METHOD Hand Auger HAMMER TYPE CME Automatic
STRUCT. NO. XXX
Station XX+XX
BORING NO. **RW-05A**
Station 304+25 IL Route 25
Offset 27.0' Left
Ground Surface Elev. 735.0

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry
Upon Completion Dry
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	
	AS	–	17	CLAY LOAM–brown (A–6)
	AS	–	12	
	AS	–	13	(731.5)
				Auger Refusal @ –3.5'
				End Of Boring
				Hand Auger
–5				
–10				
–15				
–20				

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	
–25				
–30				
–35				
–40				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
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(630) 355-2838

SOIL BORING LOG

PAGE 1 of 1
DATE 6/8/2011
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ROUTE IL. Rte. 25 & IL. Rte. 31 DESCRIPTION Red Gate Road Over The Fox River
SECTION 04-00092-00-BR LOCATION SEC. 15, TWP. 40 N., RNG. 8 E., 3rd P.M., St. Charles Township
COUNTY Kane DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE CME Automatic
STRUCT. NO. XXX
Station XX+XX
BORING NO. **RW-06**
Station 305+60 IL Route 25
Offset 7.0' Left
Ground Surface Elev. 738.2

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry to 5.0
Upon Completion n/a
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	
0				6.0" ASPHALT, 7.0" CONCRETE (737.1)
	2		122	
	3			CLAY LOAM–brown–stiff to very stiff (A–6)
	4	2.5B	12	
	3		121	
	6			
–5	7	2.3B	12	(713.2 –25)
	3		120	End Of Boring @ –25.0'
	5			Hollow Stem Augers To –5.0
	10	1.5B	13	Rotary Drilling To Completion
				CME Automatic Hammer
				5.0' Of 4.0"ø Casing Used
	5		119	CLAY LOAM–brown–stiff to very stiff (A–6)
	8			
–10	12	1.3B	14	
	5			
	9			
	11	2.75P	19	
	3		119	
	5			Sand seams from –13.5' to –15.0'.
–15	7	1.5B	12	
	3		123	
	6			
	8	1.1B	13	
	3		121	
	6			
–20	9	1.0B	13	

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	
	3		123	CLAY LOAM–brown–stiff to very stiff (A–6)
	5			
	6	1.1B	12	
	3		125	
	5			
	5	1.0B	12	
–25				
–30				
–35				
–40				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery PS–Pushed Spoon

benesch
engineers · scientists · planners
Alfred Benesch & Company
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 10092

FILE NAME =	USER NAME = akeaschall	DESIGNED - MFH	REVISED -
		CHECKED - AJK	REVISED -
IL25_WALLS_004_BoringLogI.dgn	PLOT SCALE =	DRAWN - MFH	REVISED -
	PLOT DATE = 11/9/2011	CHECKED - HMA	REVISED -

CITY OF ST. CHARLES

SOIL BORING LOGS (1 OF 5)
RETAINING WALLS ALONG IL 25
SHEET NO. SR4 OF SR13 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	302
		CONTRACT NO. 63650		
	ILLINOIS	FED. AID PROJECT		

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SOIL BORING LOG

PAGE 1 of 1
DATE 6/13/2011
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GSI JOB No. 10191

ROUTE IL. Rte. 25 & IL. Rte. 31 DESCRIPTION Red Gate Road Over The Fox River
SECTION 04-00092-00-BR LOCATION SEC. 15, TWP. 40 N., RNG. 8 E., 3rd P.M., St. Charles Township
COUNTY Kane DRILLING METHOD Hand Auger HAMMER TYPE CME Automatic
STRUCT. NO. XXX
Station XX+XX
BORING NO. **RW-06A**
Station 305+60 IL Route 25
Offset 27.0' Left
Ground Surface Elev. 742.4

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry
Upon Completion Dry
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
CLAY LOAM–brown (A–6)	AS	–	13
	AS	–	14
738.9	AS	–	18
Auger Refusal @ –3.5' End Of Boring Hand Auger			
–5			
–10			
–15			
–20			
–25			
–30			
–35			
–40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery PS–Pushed Spoon

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Geotechnical, Environmental & Civil Engineering
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(630) 355-2838

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DATE 6/9/2011
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ROUTE IL. Rte. 25 & IL. Rte. 31 DESCRIPTION Red Gate Road Over The Fox River
SECTION 04-00092-00-BR LOCATION SEC. 15, TWP. 40 N., RNG. 8 E., 3rd P.M., St. Charles Township
COUNTY Kane DRILLING METHOD Hollow Stem Augers HAMMER TYPE CME Automatic
STRUCT. NO. XXX
Station XX+XX
BORING NO. **RW-07**
Station 307+15 IL Route 25
Offset 30.0' Left
Ground Surface Elev. 749.1

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 742.6
Upon Completion 730.6
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
6.5" ASPHALT, 6.5" CONCRETE 748.0	5		
SAND & GRAVEL–brown–medium dense (A–1) Fill	7 8	NP	4
746.1	3		*126*
	5 6	1.9B	12
	3		*123*
	5 8	1.75B	12
CLAY LOAM–brown–stiff to very stiff (A–6)	4		*122*
	8 9	2.4B	13
	5		*124*
	7 9	2.4B	13
	5		*123*
	8 11	2.25B	12
	6 8		
	10	3.25P	12
	8		*121*
	11 13	3.1B	12
	5		*122*
CLAY LOAM–brown–stiff to very stiff (A–6)	7 8	3.0B	12
	6 10		*122*
724.1 –25	9 11	3.4B	12
End Of Boring @ –25.0' Hollow Stem Augers CME Automatic Hammer			
–5			
–10			
–15			
–20			
–25			
–30			
–35			
–40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery PS–Pushed Spoon

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SOIL BORING LOG

PAGE 1 of 1
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ROUTE IL. Rte. 25 & IL. Rte. 31 DESCRIPTION Red Gate Road Over The Fox River
SECTION 04-00092-00-BR LOCATION SEC. 15, TWP. 40 N., RNG. 8 E., 3rd P.M., St. Charles Township
COUNTY Kane DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic
STRUCT. NO. XXX
Station XX+XX
BORING NO. **RW-08**
Station 308+40 IL Route 25
Offset 7.0' Left
Ground Surface Elev. 750.1

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 744.1
Upon Completion 732.1
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
7.0" ASPHALT, 8.0" CONCRETE 748.8	2		
SAND & GRAVEL–brown–loose (FILL) 748.1	3	NP	
	5	1.25P	10
CLAY LOAM–brown–stiff to hard (A–6)	6		*126*
	9		
744.1	13	4.9B	10
	3		
SILT–brown–loose (A–4)	3	NP	18
742.1	2		*124*
	3		
	7	1.9B	13
	3		
CLAY LOAM–brown–stiff to very stiff (A–6)	5		
	5	2.0P	13
	2		*121*
	3		
	5	1.5B	13
	3		*123*
	5		
	5	1.5B	13
	3		*118*
	5		
	7	1.2B	13
	4		*120*
CLAY LOAM–brown–stiff to very stiff (A–6)	5		
	6	1.0B	13
	3		
725.1 –25	5	1.0P	13
End Of Boring @ –25.0' Hollow Stem Augers CME Automatic Hammer			
–5			
–10			
–15			
–20			
–25			
–30			
–35			
–40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery PS–Pushed Spoon

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CITY OF ST. CHARLES

SOIL BORING LOGS (2 OF 5)
RETAINING WALLS ALONG IL 25
SHEET NO. SR5 OF SRI3 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	303
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			

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SOIL BORING LOG

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ROUTE IL. Rte. 25 & IL. Rte. 31 DESCRIPTION Red Gate Road Over The Fox River
SECTION 04-00092-00-BR LOCATION SEC. 15, TWP. 40 N., RNG. 8 E., 3rd P.M., St. Charles Township
COUNTY Kane DRILLING METHOD Hand Auger HAMMER TYPE CME Automatic

STRUCT. NO. XXX
Station XX+XX
BORING NO. **RW-08A**
Station 308+40 IL Route 25
Offset 27.0' Left
Ground Surface Elev. 753.5

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry
Upon Completion Dry
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
8.0" TOPSOIL–black 752.8			
	AS	–	34
CLAY LOAM–brown (A–6) 751.0			
	AS	–	16
SILTY LOAM–brown (A–4) 750.0			
	AS	–	20
CLAY LOAM–brown (A–6)			
–5	AS	–	12
748.0	AS	–	12
Auger Refusal @ –5.5'			
End Of Boring			
Hand Auger			
–10			
–15			
–20			
–25			
–30			
–35			
–40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in Italics above moist (%)
NR–No Recovery PS–Pushed Spoon

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SOIL BORING LOG

PAGE 1 of 1
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ROUTE IL. Rte. 25 & IL. Rte. 31 DESCRIPTION Red Gate Road Over The Fox River
SECTION 04-00092-00-BR LOCATION SEC. 15, TWP. 40 N., RNG. 8 E., 3rd P.M., St. Charles Township
COUNTY Kane DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE CME Automatic

STRUCT. NO. XXX
Station XX+XX
BORING NO. **RW-09**
Station 305+00 IL Route 25
Offset 42.0' Right
Ground Surface Elev. 747.2

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry to 5.0
Upon Completion n/a
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
6.0" ASPHALT, 7.0" CONCRETE 746.1			
	2		124
	2		
	4	2.2SB	12
	3		119
	5		
–5	8	2.3B	13
CLAY LOAM–brown– stiff to very stiff (A–6)			
	3		121
	5		
	6	1.6B	14
	3		119
	6		
–10	8	1.1B	14
	3		117
	6		
	9	1.1B	13
	3		120
	5		
–15	5	1.3B	14
	3		121
	5		
	7	1.1B	13
	4		123
	5		
–20	6	1.4B	13
CLAY LOAM–brown– stiff to very stiff (A–6) 726.2			
	3		
	4		
	5	0.75P	13
CLAY LOAM–brown– medium stiff (A–6)			
	3		120
	5		
722.2 –25	6	0.8B	12
End Of Boring @ –25.0'			
Hollow Stem Augers To –5.0			
Rotary Drilling To Completion			
CME Automatic Hammer			
5.0' Of 4.0"ø Casing Used			
–30			
–35			
–40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in Italics above moist (%)
NR–No Recovery PS–Pushed Spoon

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ROUTE IL. Rte. 25 & IL. Rte. 31 DESCRIPTION Red Gate Road Over The Fox River
SECTION 04-00092-00-BR LOCATION SEC. 15, TWP. 40 N., RNG. 8 E., 3rd P.M., St. Charles Township
COUNTY Kane DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE CME Automatic

STRUCT. NO. XXX
Station XX+XX
BORING NO. **RW-10**
Station 306+72 IL Route 25
Offset 7.0' Right
Ground Surface Elev. 743.4

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry to 5.0
Upon Completion n/a
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
7.0" ASPHALT, 7.0" CONCRETE 742.2			
	4		
SAND & GRAVEL–brown & gray– loose (A–1) Fill 740.4			
	4		
	5	NP	5
	2		126
	4		
–5	6	2.7B	11
CLAY LOAM–brown– stiff to very stiff (A–6)			
	3		121
	5		
734.9	5	1.3B	13
	4		126
	6		
–10	8	1.8B	13
	3		125
	6		
	9	2.5B	13
	3		124
	5		
–15	8	1.7B	13
	3		126
	6		
	9	1.4B	13
	4		119
	6		
–20	9	1.6B	14
CLAY LOAM–gray–stiff (A–6)			
	4		
	8		
	11	2.5P	14
	6		124
	9		
718.4 –25	13	1.6B	13
End Of Boring @ –25.0'			
Hollow Stem Augers To –5.0			
Rotary Drilling To Completion			
CME Automatic Hammer			
5.0' Of 4.0"ø Casing Used			
–30			
–35			
–40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in Italics above moist (%)
NR–No Recovery PS–Pushed Spoon

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SOIL BORING LOGS (3 OF 5)
RETAINING WALLS ALONG IL 25
SHEET NO. SR6 OF SR13 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	304
		CONTRACT NO. 63650		
	ILLINOIS	FED. AID PROJECT		

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SOIL BORING LOG

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ROUTE IL. Rte. 25 & IL. Rte. 31 DESCRIPTION Red Gate Road Over The Fox River
SECTION 04-00092-00-BR LOCATION SEC. 15, TWP. 40 N., RNG. 8 E., 3rd P.M., St. Charles Township
COUNTY Kane DRILLING METHOD Hand Auger HAMMER TYPE CME Automatic
STRUCT. NO. XXX
Station XX+XX
BORING NO. **RW-10A**
Station 306+72 IL. Route 25
Offset 42.0' Right
Ground Surface Elev. 756.7

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry
Upon Completion Dry
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	AS	–	21
CLAY LOAM–brown (A–6)			
	AS	–	17
751.7			
–5	AS	–	16
Auger Refusal @ –5.0'			
End Of Boring			
Hand Auger			
–10			
–15			
–20			
–25			
–30			
–35			
–40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS–Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery PS–Pushed Spoon

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ROUTE IL. Rte. 25 & IL. Rte. 31 DESCRIPTION Red Gate Road Over The Fox River
SECTION 04-00092-00-BR LOCATION SEC. 15, TWP. 40 N., RNG. 8 E., 3rd P.M., St. Charles Township
COUNTY Kane DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE CME Automatic
STRUCT. NO. XXX
Station XX+XX
BORING NO. **RW-11**
Station 308+05 IL. Route 25
Offset 42.0' Right
Ground Surface Elev. 762.3

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 758.3
Upon Completion n/a
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
5.0" ASPHALT, 8.0" CONCRETE			
761.1	3		125
	3		
CLAY LOAM–brown–medium stiff (A–6)	3	0.8B	13
▼758.3	3		
	4		
–5	7	NP	16
SILTY LOAM–brown & gray–			
medium dense (A–4)	4		
	5		
753.8	7	NP	20
	4		125
	4		
–10	5	1.3B	13
	3		127
	5		
CLAY LOAM–gray–	7	1.9B	12
stiff to very stiff (A–6)			
	6		126
	7		
–15	9	2.5B	13
	3		123
	3		
	5	1.0B	14
	4		125
–20	6	1.3B	13
CLAY LOAM–gray–	4		126
stiff to very stiff (A–6)			
737.3	4		
–25	5	1.8B	13
	4		124
	6		
	8	2.3B	13
End Of Boring @ –25.0'			
Hollow Stem Augers To –5.0			
Rotary Drilling To Completion			
CME Automatic Hammer			
5.0' Of 4.0"ø Casing Used			
–30			
–35			
–40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS–Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery PS–Pushed Spoon

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ROUTE IL. Rte. 25 & IL. Rte. 31 DESCRIPTION Red Gate Road Over The Fox River
SECTION 04-00092-00-BR LOCATION SEC. 15, TWP. 40 N., RNG. 8 E., 3rd P.M., St. Charles Township
COUNTY Kane DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE CME Automatic
STRUCT. NO. XXX
Station XX+XX
BORING NO. **RW-12**
Station 309+00 IL. Route 25
Offset 7.0' Right
Ground Surface Elev. 751.9

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry to 5.0
Upon Completion n/a
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
4.5" ASPHALT, 7.5" CONCRETE			
750.9	2		122
	2		
CLAY LOAM–brown–stiff (A–6)	3	1.7B	13
748.9			
	2		
SILT–brown–loose (A–4)	2		
	2		
–5	4	2.5P	21
746.4			
	2		123
CLAY LOAM–brown–medium stiff (A–6)	3		
743.9	4	0.9B	14
	10		
	12		
–10	15	NP	19
Fine SAND–brown–			
medium dense (A–2/A–3)	10		
	8		
	8	NP	20
738.9			
	3		121
	5		
–15	7	1.5B	13
CLAY LOAM–gray–	4		126
stiff to very stiff (A–6)			
	6		
	8	1.1B	13
	3		125
	6		
–20	9	2.0B	13
CLAY LOAM–gray–	4		123
stiff to very stiff (A–6)			
	8		
	13	1.2B	14
	4		123
	7		
726.9	10	1.2B	14
–25			
End Of Boring @ –25.0'			
Hollow Stem Augers To –5.0			
Rotary Drilling To Completion			
CME Automatic Hammer			
5.0' Of 4.0"ø Casing Used			
–30			
–35			
–40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS–Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery PS–Pushed Spoon

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SOIL BORING LOGS (4 OF 5)
RETAINING WALLS ALONG IL 25
SHEET NO. SR7 OF SR13 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	305
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			

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ROUTE IL. Rte. 25 & IL. Rte. 31 DESCRIPTION Red Gate Road Over The Fox River
SECTION 04-00092-00-BR LOCATION SEC. 15, TWP. 40 N., RNG. 8 E., 3rd P.M., St. Charles Township
COUNTY Kane DRILLING METHOD Hand Auger HAMMER TYPE CME Automatic

STRUCT. NO. XXX
Station XX+XX
BORING NO. **RW-12A**
Station 309+00 IL Route 25
Offset 42.0' Right
Ground Surface Elev. *763.6*

Surface Water Elev. *n/a*
Stream Bed Elev. *n/a*
Groundwater Elevation:
First Encounter *Dry*
Upon Completion *Dry*
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
	AS	–	21
CLAY LOAM–brown (A–6)			
	AS	–	17
–5	AS	–	19
758.1			
Auger Refusal @ –5.5'			
End Of Boring			
Hand Auger			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
–25			
–30			
–35			
–40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B–Bulge, S–Shear, P–Penetrometer) ST–Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR–No Recovery PS–Pushed Spoon

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		CHECKED - AJK	REVISED -
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	PLOT DATE = 11/9/2011	CHECKED - HMA	REVISED -

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SOIL BORING LOGS (5 OF 5)
RETAINING WALLS ALONG IL 25
SHEET NO. SR8 OF SR13 SHEETS

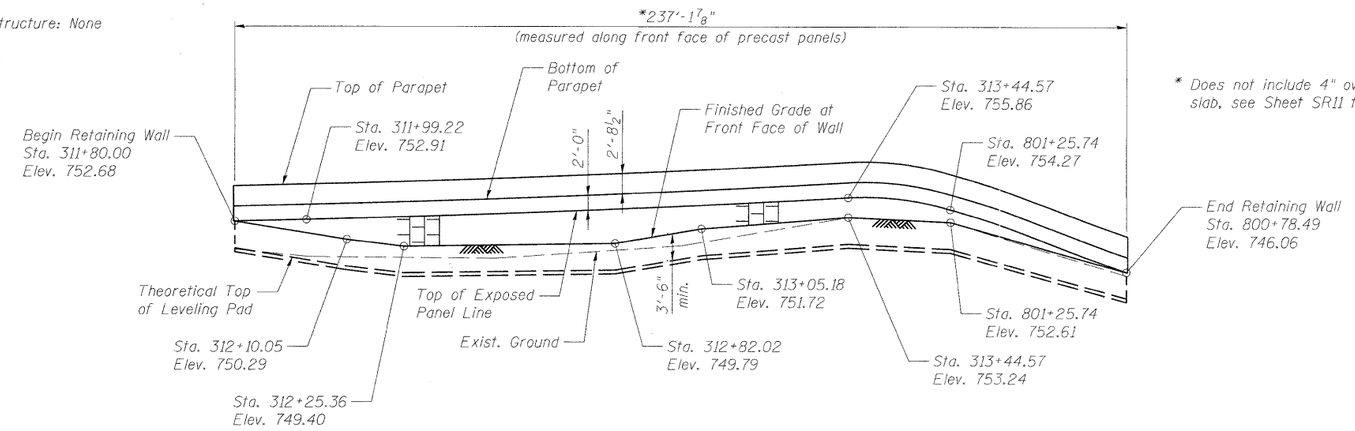
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	306
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			

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Benchmark: Steel Rod at GPS Monument KAN31 2B (Elev. 754.27)

Existing Structure: None

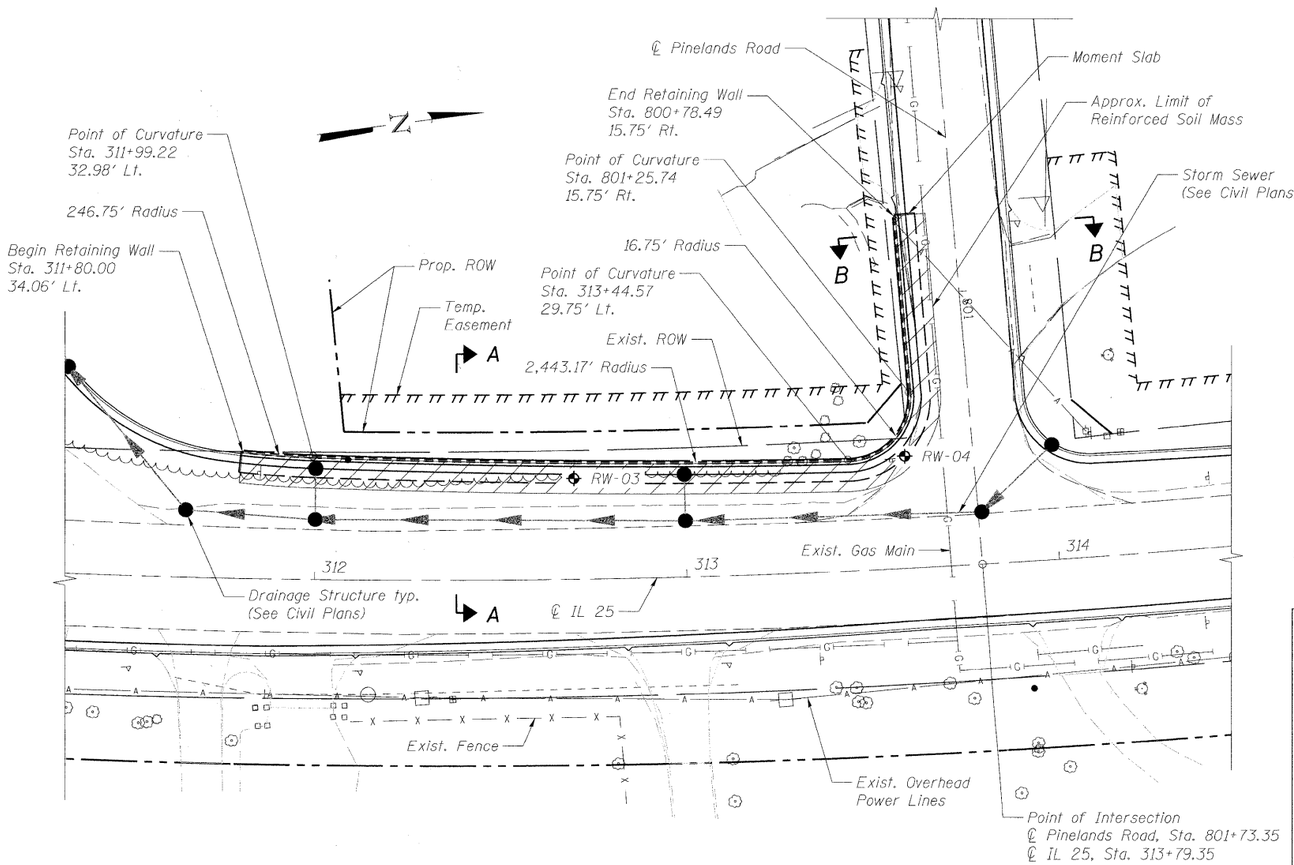
No Salvage



* Does not include 4" overhang on moment slab, see Sheet SR11 for details.

ELEVATION

(Reflected View, 2:1 Vertical Scale)



PLAN

CURVE DATA

(IL25CUR3)
PI = Sta. 313+16.36
Δ = 10°02'46.60" (LT)
R = 2,462.03'
T = 216.40'
L = 431.69'
E = 9.49'
e = NC
TR = N/A
SE Run = N/A
PC = Sta. 310+99.96
PT = Sta. 315+31.65

DESIGN SPECIFICATIONS

2010 AASHTO LRFD Bridge Design Specifications

CONSTRUCTION SPECIFICATIONS

Standard Specifications for the State of Illinois

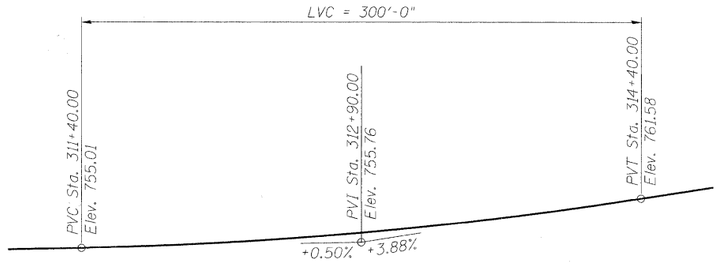
DESIGN STRESSES

FIELD UNITS

Reinforced Concrete:
f'c = Compressive Strength = 3,500 psi
Reinforcing Bars:
fy = Yield Strength (Grade 60) = 60,000 psi

PRECAST UNITS

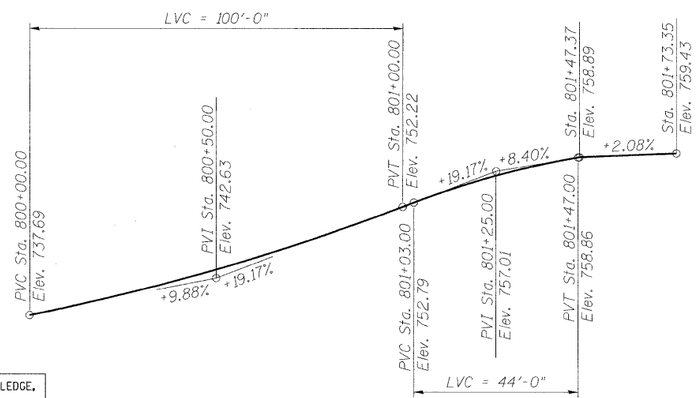
Precast Panels:
f'c = Compressive Strength = 4,500 psi



IL 25 PROFILE GRADE

(4:1 Vertical Scale, Along ℄)

LOCATION SKETCH



PINELANDS ROAD PROFILE GRADE

(2:1 Vertical Scale, Along ℄)

I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, THIS BRIDGE IS STRUCTURALLY ADEQUATE FOR THE DESIGN LOADINGS SHOWN ON THE PLANS. THE DESIGN IS AN ECONOMICAL ONE FOR THE STYLE OF STRUCTURE AND COMPLIES WITH REQUIREMENTS OF THE CURRENT AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES.

STATE OF ILLINOIS
HOSSAM ABDELRAZIG
081-005537
LICENSED STRUCTURAL ENGINEER

EXPIRATION DATE 11-30-12
DATE OCTOBER 20, 2011

ALFRED BENESCH & COMPANY

NOTES:

1. For Section A-A and B-B see Sheet SR10.
2. See Special Provisions for Mechanically Stabilized Earth Retaining Wall for design and construction requirements.
3. Stations, offsets, and radii are given at the front face of precast panels.
4. See Intersection Details in Civil Plans for edge of pavement elevations.

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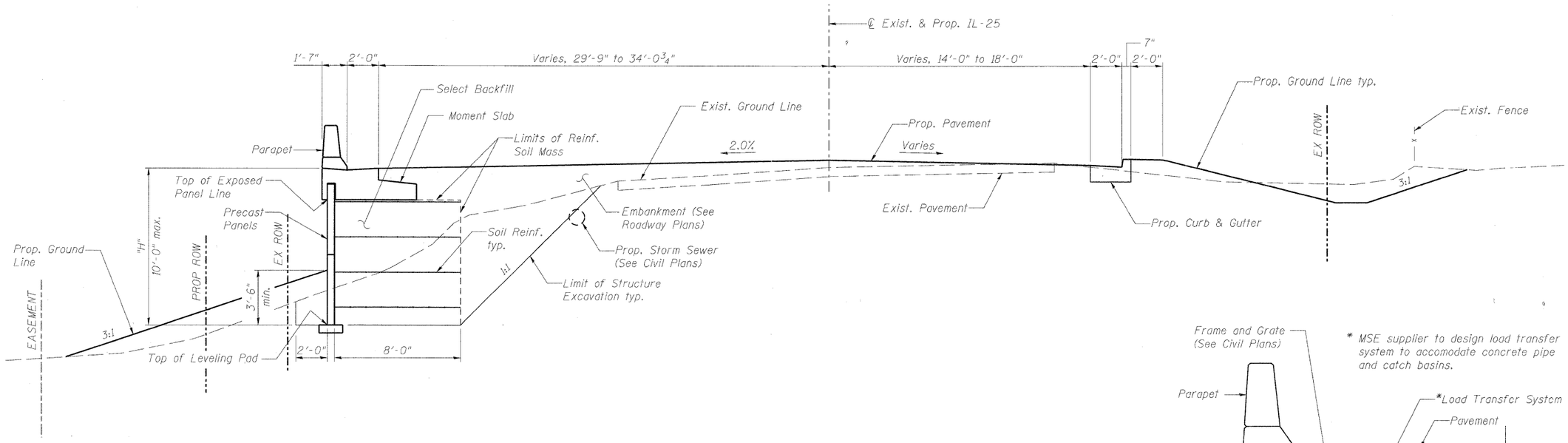
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CITY OF ST. CHARLES

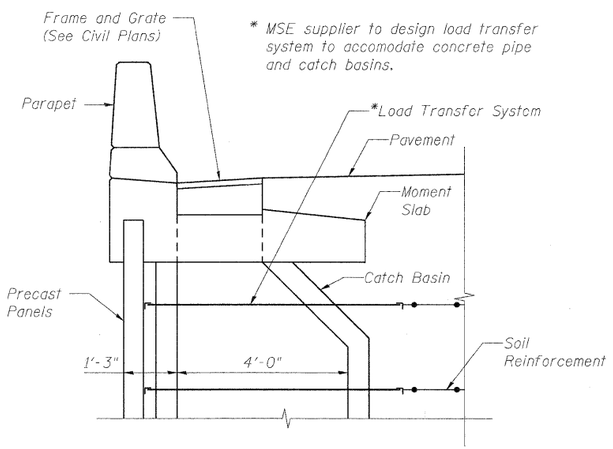
PLAN AND ELEVATION
RETAINING WALL AT IL 25 AND PINELANDS ROAD
SHEET NO. SR9 OF SR13 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	307
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			

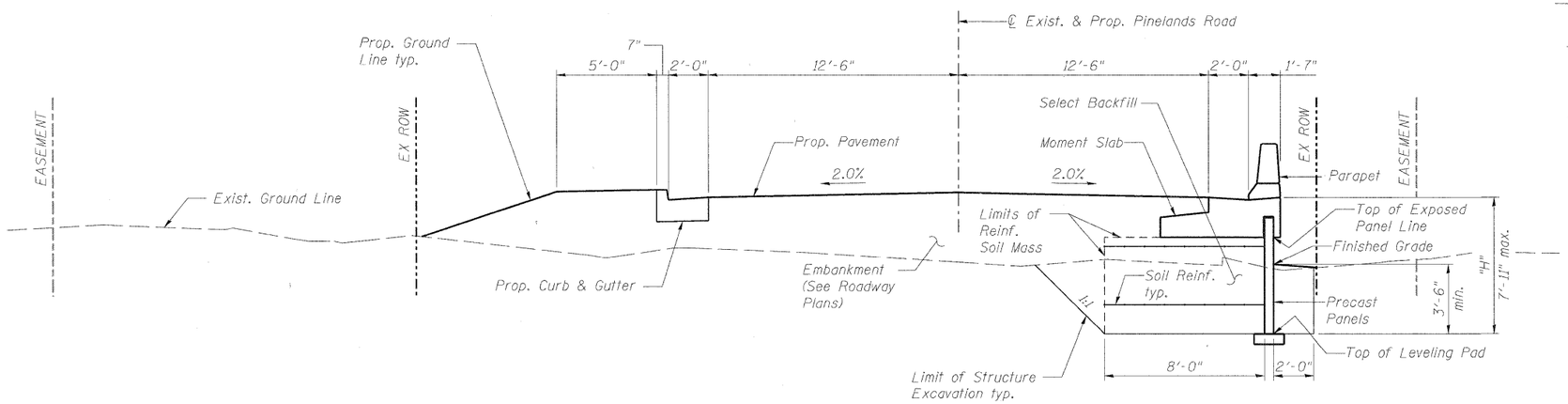
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SECTION A-A
(Looking upstation)



LOAD TRANSFER SYSTEM DETAIL
(At drainage structures)



SECTION B-B
(Looking upstation)

NOTES:

1. See Sheets SR11 and SR12 for moment slab details and dimensions.
2. See Civil Plans for catch basin locations and details.
3. Additional excavation beyond Limit of Structure Excavation will not be measured for payment.
4. Precast panels shall be furnished with a textured form liner in accordance with the Special Provisions.

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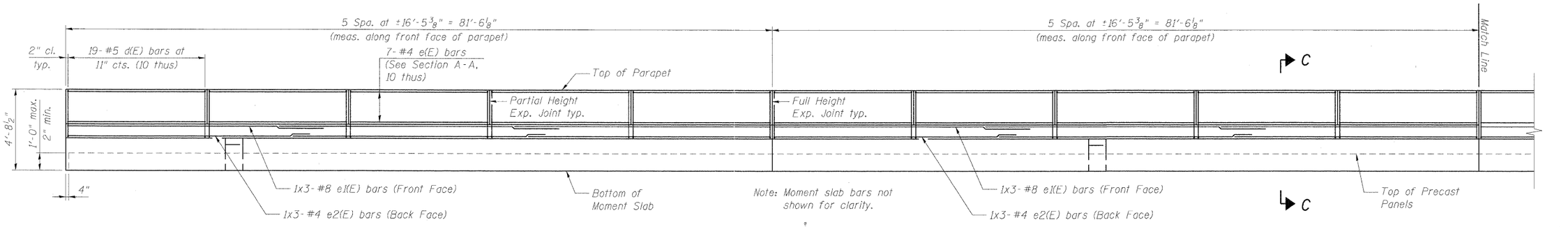
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CITY OF ST. CHARLES

TYPICAL SECTIONS
RETAINING WALL AT IL 25 AND PINELANDS ROAD
SHEET NO. SR10 OF SR13 SHEETS

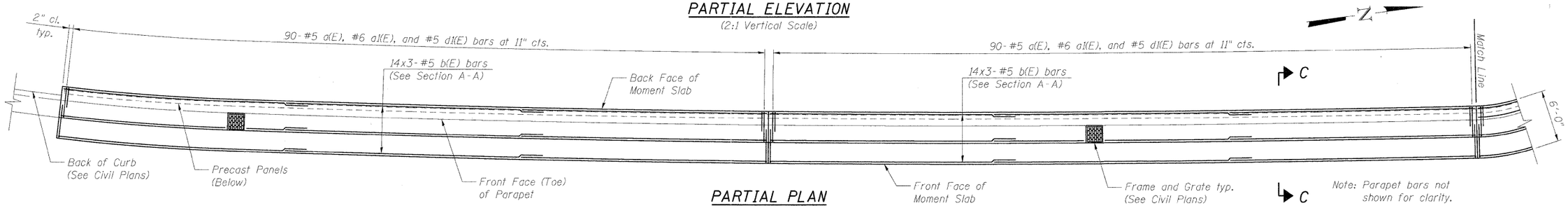
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	04-00092-00-BR	KANE	440	308
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			

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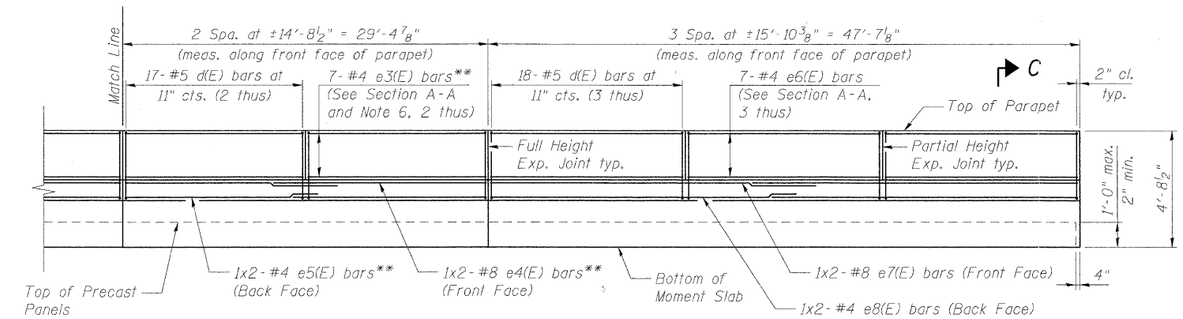


PARTIAL ELEVATION

(2:1 Vertical Scale)



PARTIAL PLAN

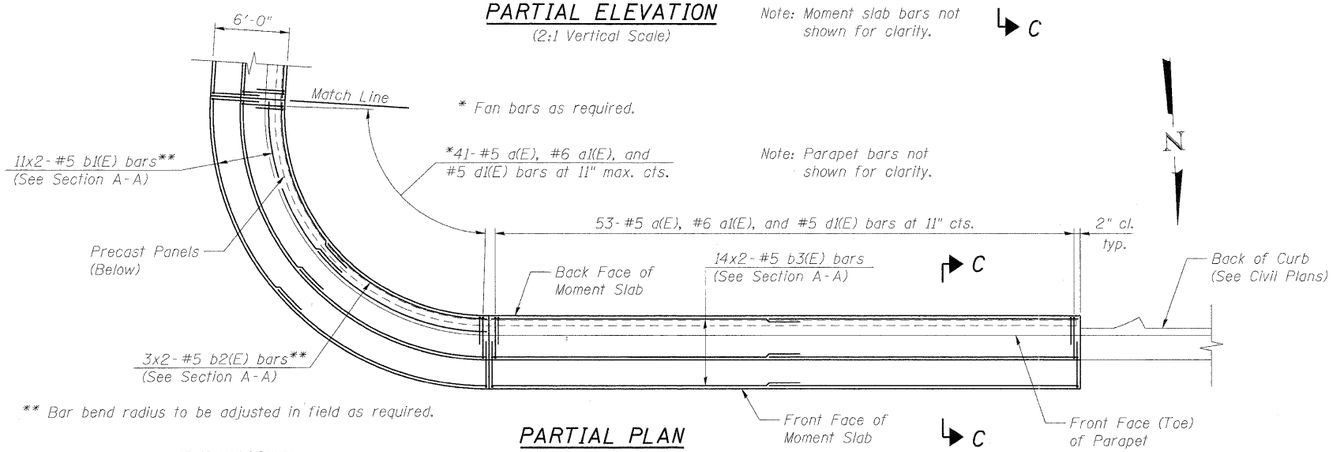


PARTIAL ELEVATION

(2:1 Vertical Scale)

Note: Moment slab bars not shown for clarity.

C



** Bar bend radius to be adjusted in field as required.

PARTIAL PLAN

MINIMUM BAR LAP

#4 bar = 2'-0"
#5 bar = 2'-6"
#8 bar = 5'-2"

DETAIL AT DRAINAGE STRUCTURES

NOTES:

1. For Section C-C see Sheet SR12.
2. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
3. Reinforcement bars designated (E) shall be epoxy coated.
4. See Civil Plans for drainage frame and grate locations.
5. Bars may be cut in field as required to accomodate drainage frames.
6. e3(E) bars may be cut in field to maintain clear distance requirements.

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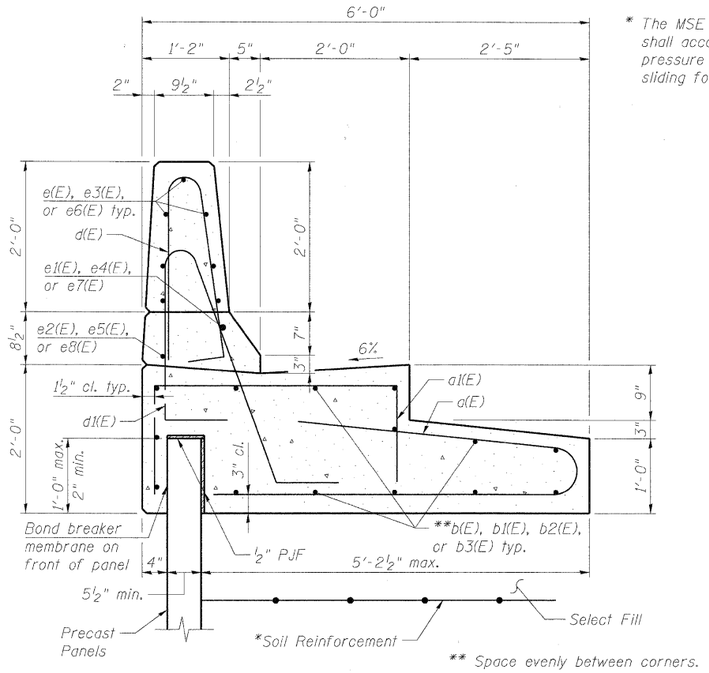
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CITY OF ST. CHARLES

MOMENT SLAB DETAILS (1 OF 2)
RETAINING WALL AT IL 25 AND PINELANDS ROAD
SHEET NO. SR11 OF SR13 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 63650		
	ILLINOIS	FED. AID PROJECT		

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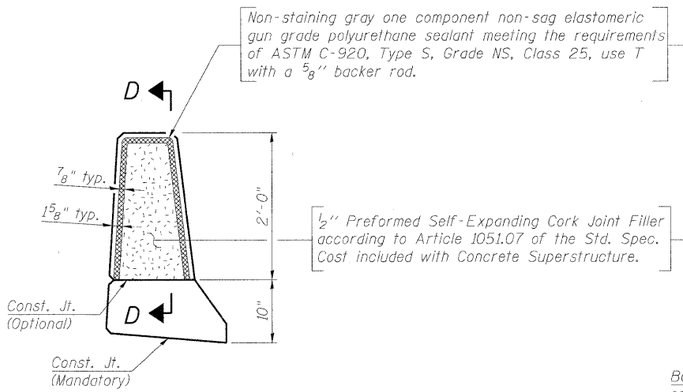


* The MSE wall supplier's internal stability design shall account for the moment slab's bearing pressure surcharge of 1.0 ksf and horizontal sliding force of 0.5 kips/ft. of wall.

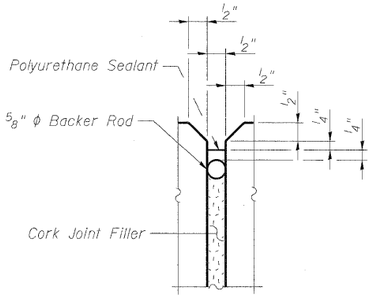
** Space evenly between corners.

SECTION C-C

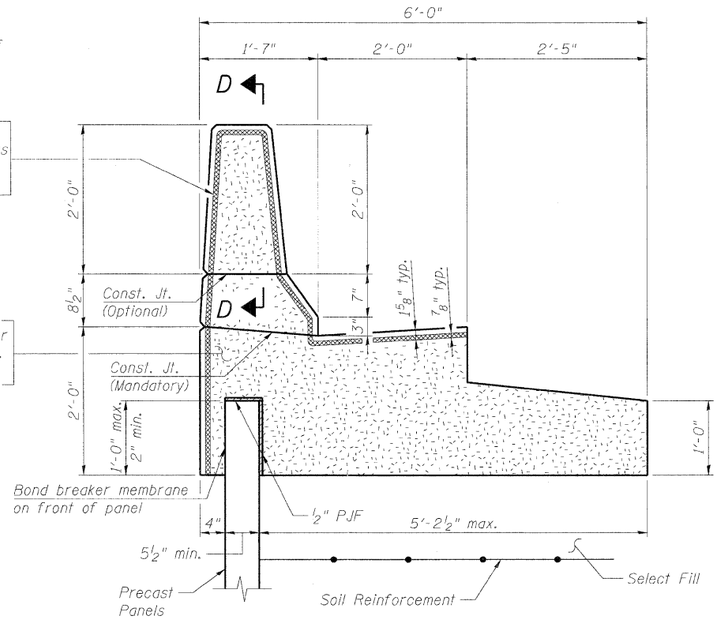
* Note: Anti-Graffiti Coating shall be applied to the back face of the parapet and moment slab.



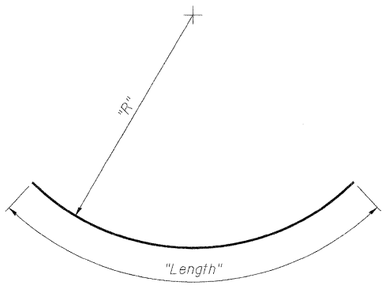
PARTIAL HEIGHT JOINT DETAILS



SECTION D-D

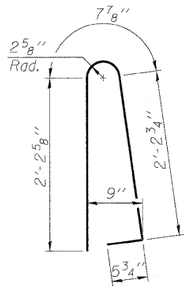


FULL HEIGHT EXPANSION JOINT DETAILS

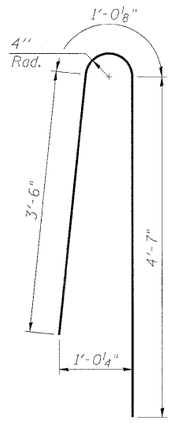


Bar	R
b1(E)	19'-10"
b2(E)	16'-7"
e3(E)	16'-7"
e4(E)	17'-5"
e5(E)	16'-7"

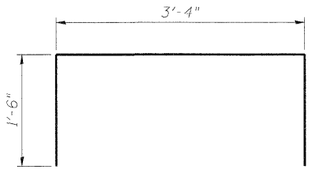
BARS b1(E), b2(E), e3(E), e4(E) & e5(E)



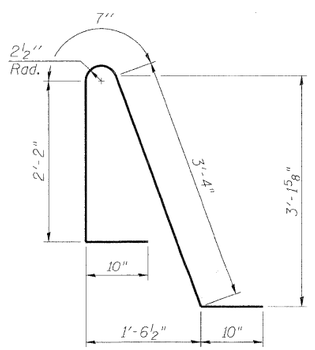
BAR d(E)



BAR a(E)



BAR a1(E)



BAR d1(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	274	#5	9'-2"	
a1(E)	274	#6	6'-4"	
a2(E)	32	#5	2'-6"	
b(E)	84	#5	29'-0"	
b1(E)	22	#5	19'-6"	
b2(E)	6	#5	15'-0"	
b3(E)	28	#5	25'-0"	
d(E)	278	#5	5'-7"	
d1(E)	274	#5	7'-9"	
e(E)	70	#4	16'-1"	
e1(E)	6	#8	30'-9"	
e2(E)	6	#4	28'-6"	
e3(E)	14	#4	14'-4"	
e4(E)	2	#8	17'-3"	
e5(E)	2	#4	15'-6"	
e6(E)	21	#4	15'-6"	
e7(E)	2	#8	26'-3"	
e8(E)	2	#4	24'-9"	
Reinforcement Bars, Epoxy Coated			Pound	14,920
Concrete Structures			Cu. Yds.	110.8
Protective Coat			Sq. Yds.	155
Mechanically Stabilized Earth Retaining Wall			Sq. Ft.	1,483
Form Liner Textured Surface (Special)			Sq. Ft.	1,483
Anti-Graffiti Protection System			Sq. Ft.	1,483
Anti-Graffiti Coating			Sq. Ft.	1,119
Structure Excavation			Cu. Yds.	490

Bars indicated thus 1x4-#8 etc. indicates 1 line of bars with 4 lengths per line.

NOTES:

1. Joints between ends of moment slab and adjacent curb shall consist of ½" PJF.
2. Slipforming of parapets is not allowed.
3. Minimum precast panel thickness shown is structural only and does not include thickness required for form liner pattern.

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	PLOT DATE = 11/9/2011	CHECKED - HMA	REVISED -

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MOMENT SLAB DETAILS (2 OF 2)
RETAINING WALL AT IL 25 AND PINELANDS ROAD
SHEET NO. SR12 OF SR13 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			

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SOIL BORING LOG

PAGE 1 of 1
DATE 6/9/2011
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GSI JOB No. 10191

ROUTE IL. Rte. 25 & IL. Rte. 31 DESCRIPTION Red Gate Road Over The Fox River
SECTION 04-00092-00-BR LOCATION SEC. 15, TWP. 40 N., RNG. 8 E., 3rd P.M., St. Charles Township
COUNTY Kane DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic
STRUCT. NO. XXX
Station XX+XX
BORING NO. **RW-03**
Station 312+70 IL Route 25
Offset 27.0' Left
Ground Surface Elev. 750.5

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter 737.0 ▼
Upon Completion 738.5 ▽
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	
750.5				6.0" ASPHALT, 10.0" CONCRETE
749.1	2		*107*	
	3			
	4	4.3B	19	CLAY LOAM–brown– very stiff to hard (A-6) Possible Fill
	2		*106*	
–5	2			
	3	2.3B	20	
745.0				
744.0	3	NP		Sand with Gravel–brown– loose (A-1-b) Possible Fill
	3			
	3	2.0P	9	SILTY CLAY LOAM–brown & gray– loose (A-4)
	3			
	4			
–10	4	–	17	
740.0				
	4			
▽	4			
	5	1.25P	23	
▼				CLAY LOAM–brown– stiff to very stiff (A-6)
	2		*114*	
	4			
–15	6	1.1B	16	
	3			
	5			Sand seams from –16.0' to –17.5'.
	7	3.5P	18	
732.5				
	4			SAND–brown–medium dense (A-3)
	8			
–20	9	NP	18	

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	
	5			SAND–brown–medium dense (A-3)
	9			
727.5	11	NP	21	
	10			CLAY LOAM–brown–very stiff (A-6)
725.5 –25	12	3.25P	15	
				End Of Boring @ –25.0' Hollow Stem Auger CME Automatic Hammer
–30				
–35				
–40				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery PS-Pushed Spoon

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SOIL BORING LOG

PAGE 1 of 1
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ROUTE IL. Rte. 25 & IL. Rte. 31 DESCRIPTION Red Gate Road Over The Fox River
SECTION 04-00092-00-BR LOCATION SEC. 15, TWP. 40 N., RNG. 8 E., 3rd P.M., St. Charles Township
COUNTY Kane DRILLING METHOD Hollow Stem Auger/Rotary HAMMER TYPE CME Automatic
STRUCT. NO. XXX
Station XX+XX
BORING NO. **RW-04**
Station 313+60 IL Route 25
Offset 30.0' Left
Ground Surface Elev. 754.1

Surface Water Elev. n/a
Stream Bed Elev. n/a
Groundwater Elevation:
First Encounter Dry to 5.0' ▼
Upon Completion n/a ▽
After ____ Hrs. ____

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	
754.1				7.0" ASPHALT, 7.0" CONCRETE
752.9	3		*106*	
	5			
	6	5.3B	18	CLAY LOAM–brown & gray– stiff to hard (A-6)
	2		*95*	
–5	3			
	4	1.8B	24	
748.6				
	3			SILT–brown–medium dense (A-4)
	6			
	6	NP	23	
746.1				
	3		*119*	
	5			
–10	5	2.0B	16	
	3		*116*	
	5			CLAY LOAM–brown & gray– stiff to very stiff (A-6)
	7	1.6B	16	
	5		*120*	
	8			
–15	10	2.2B	15	
	5		*121*	
	8			
	11	2.9B	15	
	6		*121*	
	8			
–20	11	3.6B	14	

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	
	6		*123*	
	9			
	13	2.7B	14	CLAY LOAM–brown & gray– stiff to very stiff (A-6)
	6			
	9			
729.1 –25	11	–	21	
				End Of Boring @ –25.0' Hollow Stem Augers To –5.0 Rotary Drilling To Completion CME Automatic Hammer 5.0' Of 4.0"ø Casing Used
–30				
–35				
–40				

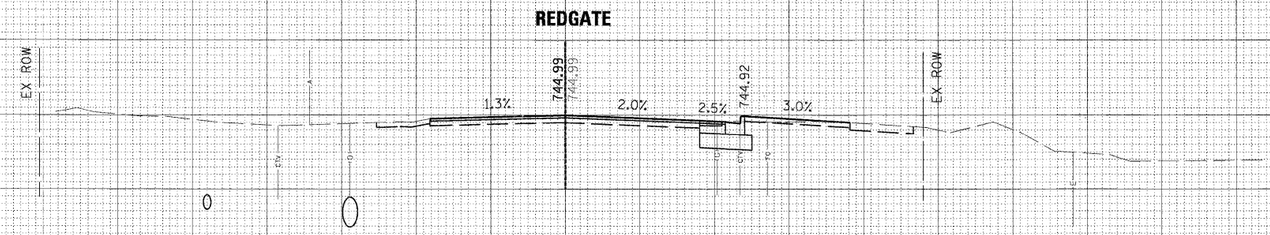
The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) ST-Shelby Tube Sample VS=Vane Shear Test
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) The Unit Dry Weight (pcf) is noted in italics above moist (%)
NR-No Recovery PS-Pushed Spoon

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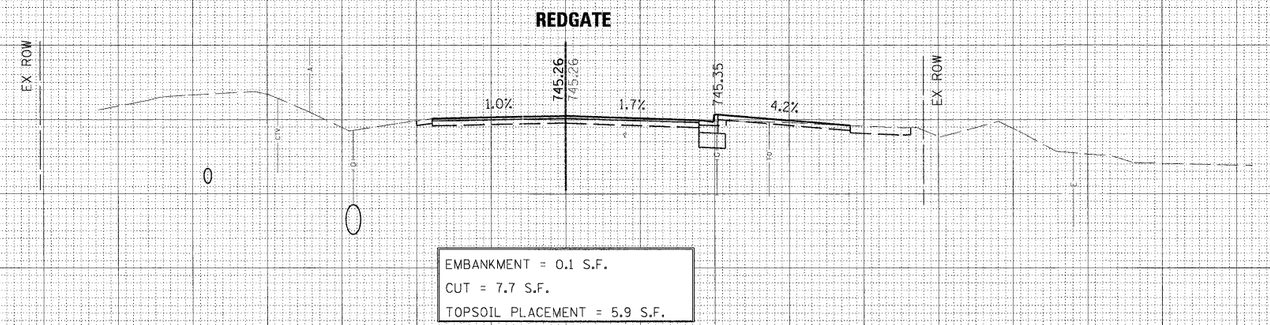
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	PLOT DATE = 11/9/2011	CHECKED - HMA	REVISED -		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	311
		CONTRACT NO. 63650		
		ILLINOIS FED. AID PROJECT		

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RED GATE ROAD
CROSS-SECTIONS

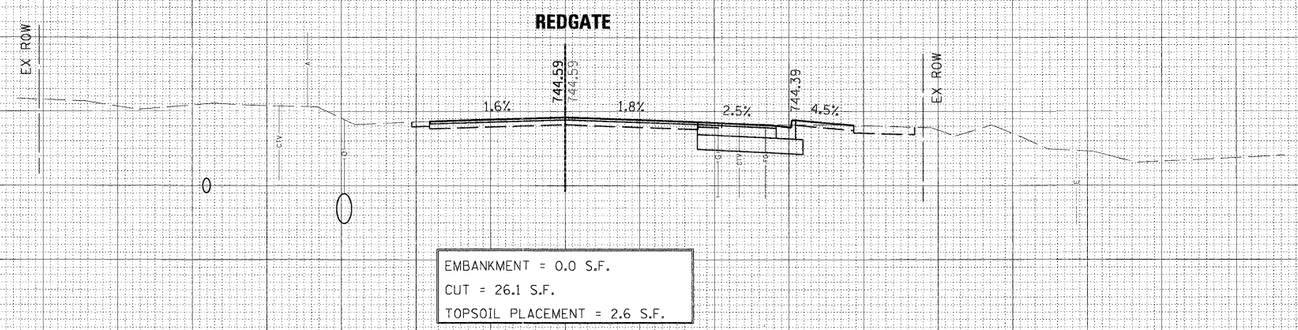
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	04-00092-00-BR	KANE	440	312
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			

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

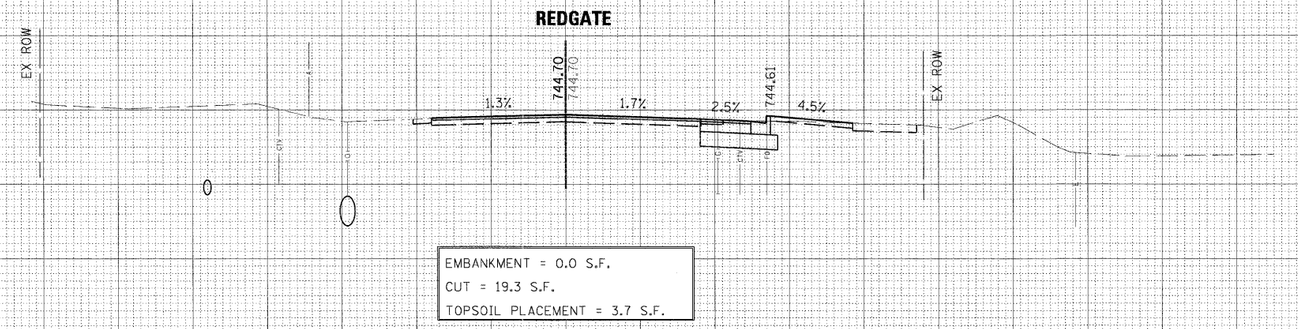
FINAL SURVEY	NOTE BOOK	NO.	BY	DATE
SURVEYED				
PLOTTED				
TEMPLATE				
AREAS				
AREAS CHECKED				

PLOT SCALE=1:10
M:\Plotfiles\2dgn\DanPDFV8 FULL SIZE.plt
M:\00005\1008\Local Workspace\Plotdrv\TITLEBLOCK.tbl



750 745 740 735

97 + 50.00



750 745 740 735

97 + 00.00

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

FILE NAME = ...\Cross_sections\REDGATE-PXS.DGN	DESIGNED - MAC	REVISED -
	DRAWN - TMB	REVISED -
USER NAME = mcoleman	CHECKED - RMT	REVISED -
PLOT DATE = 11/9/2011	DATE - 10/23/2011	REVISED -

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ST. CHARLES since 1834

CITY OF ST. CHARLES

RED GATE ROAD
CROSS-SECTIONS

SCALE: | SHEET NO. 2 OF 54 SHEETS | STA. 97+00.00 | TO STA. 97+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	313
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			

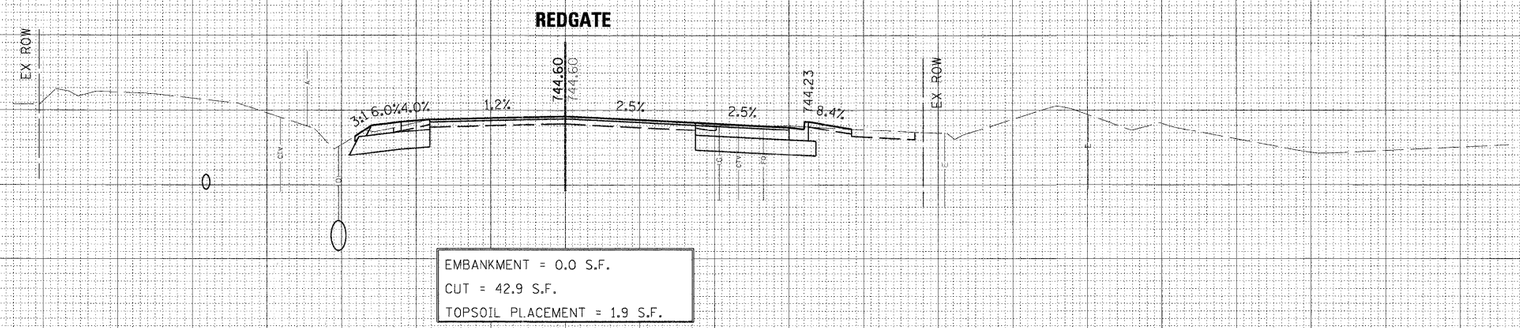
FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

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

PLOT SCALE: 1:10
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X:\100885\100852\Local Workspace\Plotdir\TITLEBLOCK.dgn

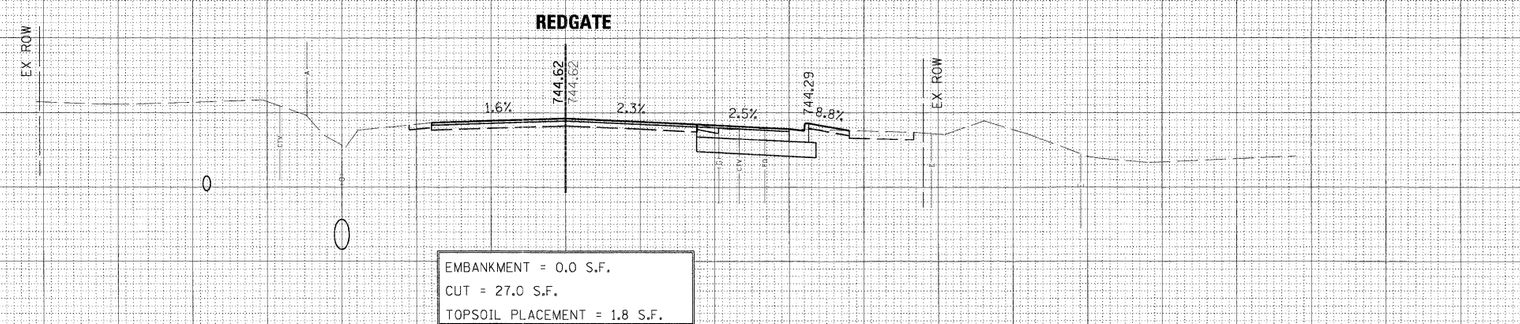
NO.	NOTE BOOK	FINAL SURVEY
	AREAS	SURVEYED
	AREAS	PLOTTED
	AREAS	TEMPLATE
	AREAS	CHECKED

BY	DATE



EMBANKMENT = 0.0 S.F.
CUT = 42.9 S.F.
TOPSOIL PLACEMENT = 1.9 S.F.

98 + 50.00



EMBANKMENT = 0.0 S.F.
CUT = 27.0 S.F.
TOPSOIL PLACEMENT = 1.8 S.F.

98 + 00.00

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

FILE NAME =	DESIGNED - MAC	REVISED -
...\Cross_sections\REDGATE-PXS.DGN	DRAWN - TMB	REVISED -
USER NAME = mcoleman	CHECKED - RMT	REVISED -
PLOT DATE = 11/9/2011	DATE - 10/23/2011	REVISED -

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CITY OF ST. CHARLES

RED GATE ROAD
CROSS-SECTIONS

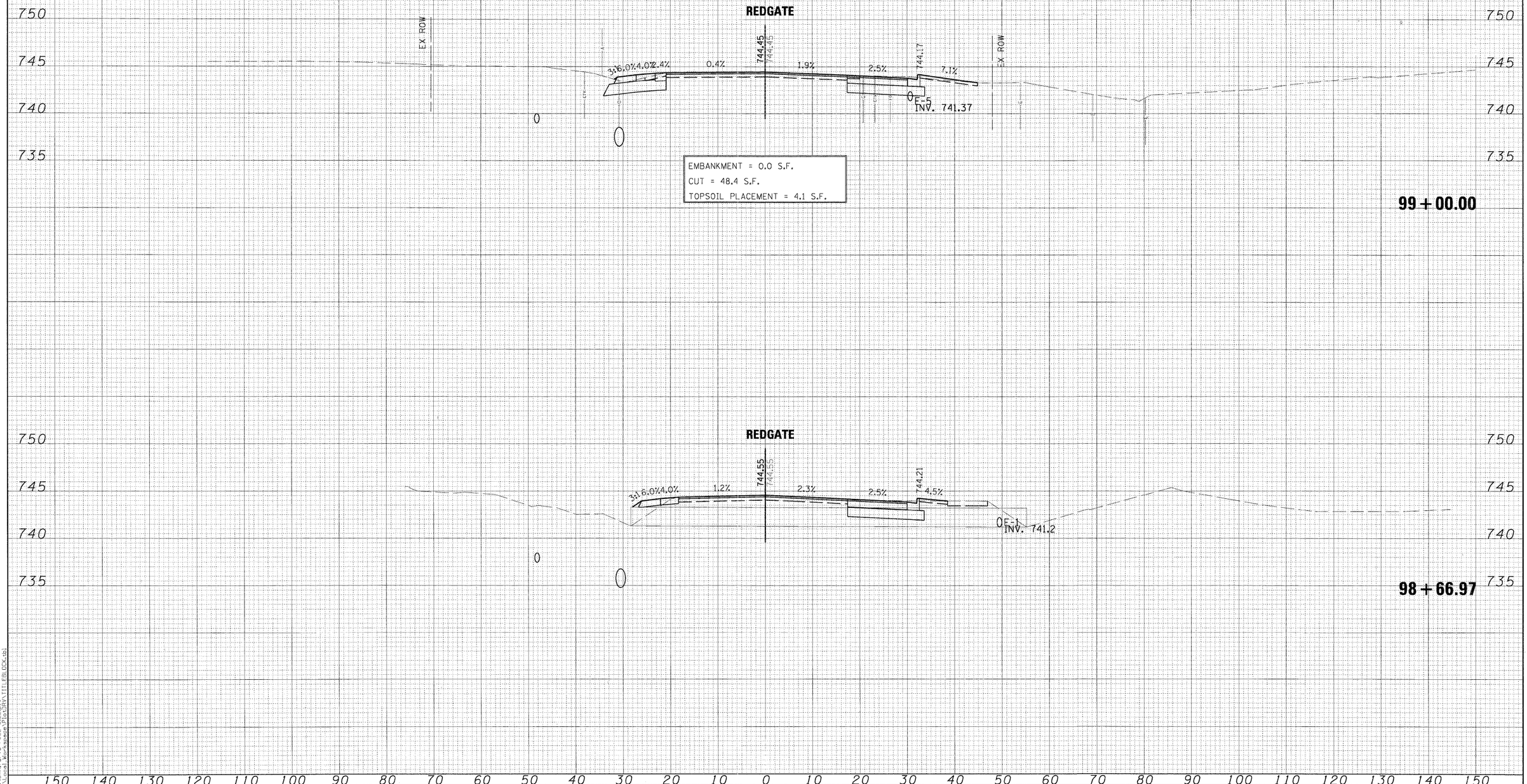
SCALE: | SHEET NO. 3 OF 54 SHEETS | STA. 98+00.00 | TO STA. 98+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	314
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			

PLOT SCALE= 1:0
M:\plotdir\23x40.0mm.PDF V8 FULL SIZE.plt
X:\1000805\1000805\Local Workspace\Plotdir\TITLEBLOCK.tbl

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

BY	DATE



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

BY	DATE

PLOT SCALE=1:10
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X:\000265\0042\Local Workspace\Plots\RVT\TITLEBLOCK.tb

FILE NAME =	DESIGNED - MAC	REVISED -	
...\Cross_sections\REDGATE-PXS.DGN	DRAWN - TMB	REVISED -	
USER NAME = mcclemon	CHECKED - RMT	REVISED -	
PLOT DATE = 11/9/2011	DATE - 10/23/2011	REVISED -	

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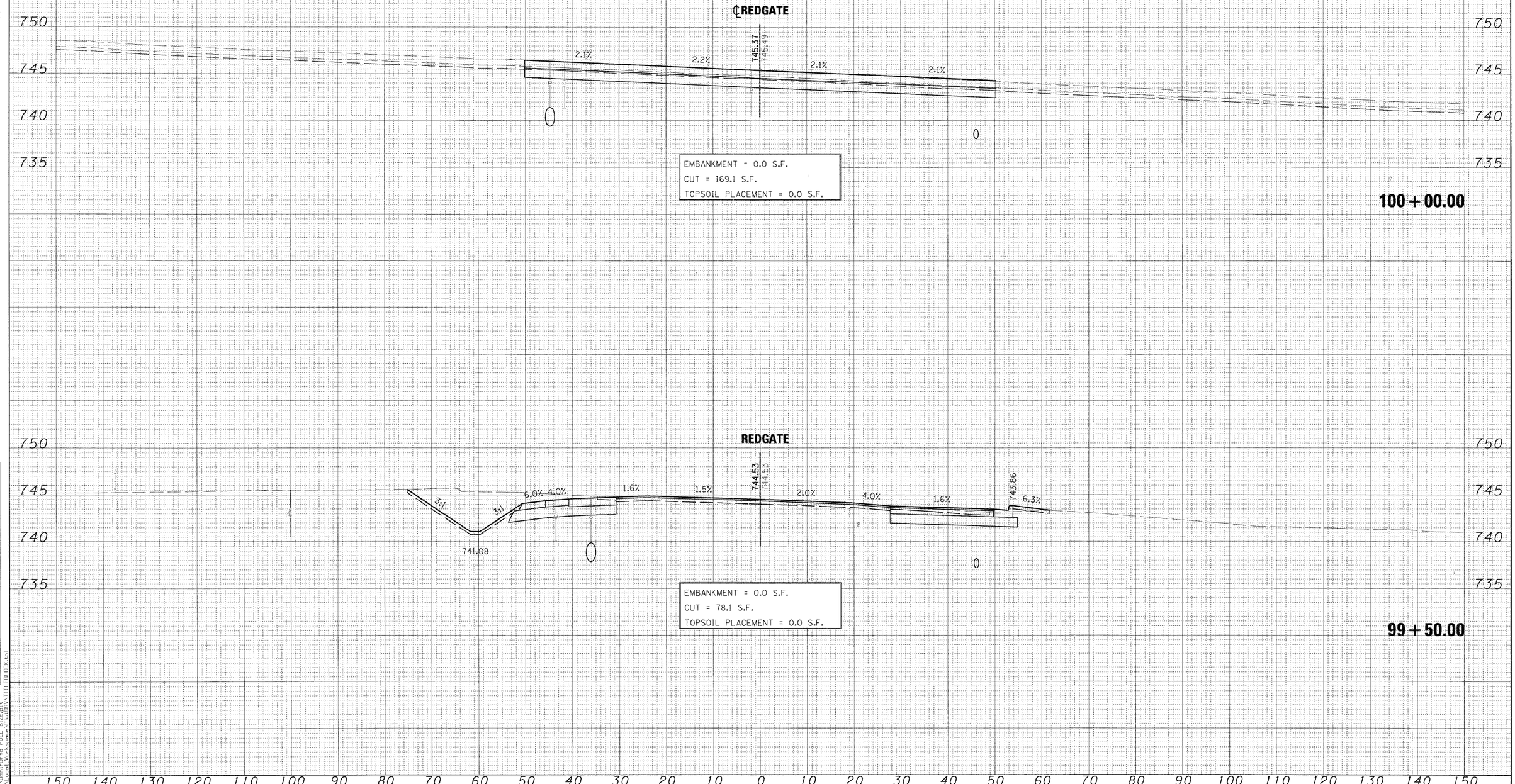
ST. CHARLES
ILLINOIS

CITY OF ST. CHARLES

RED GATE ROAD
CROSS-SECTIONS

SCALE: | SHEET NO. 4 OF 54 SHEETS | STA. 98+66.97 TO STA. 99+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	315
		CONTRACT NO. 63650		
	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	

PLOT SCALE=1:10
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FILE NAME = ...\Cross_sections\REDGATE-PXS.DGN	DESIGNED - MAC	REVISED -	
USER NAME = mcclemen	DRAWN - TMB	REVISED -	
PLOT DATE = 11/9/2011	CHECKED - RMT	REVISED -	
	DATE - 10/23/2011	REVISED -	

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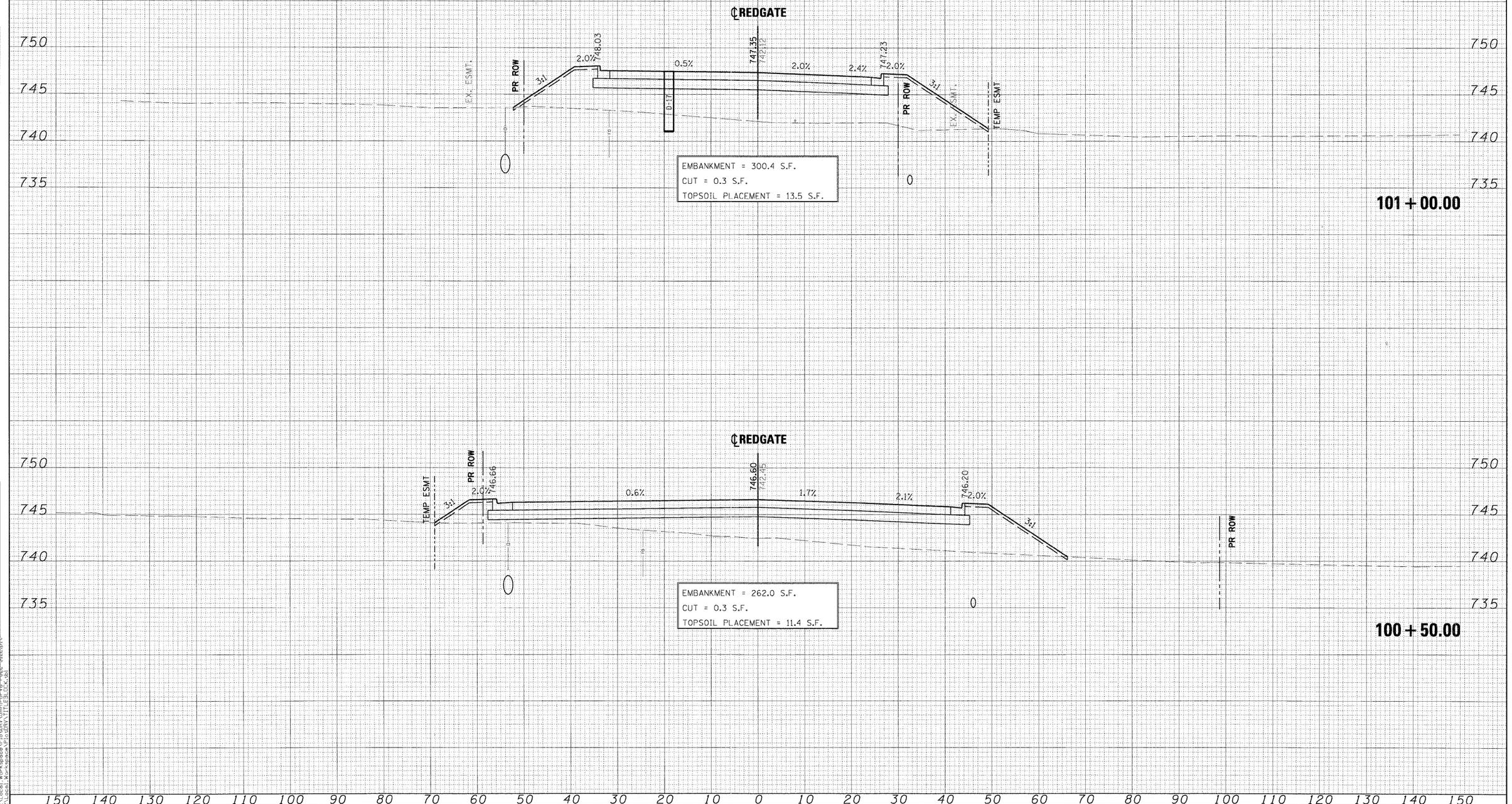
ST. CHARLES

CITY OF ST. CHARLES

RED GATE ROAD
CROSS-SECTIONS

SCALE: | SHEET NO. 5 OF 54 SHEETS | STA. 99+50.00 TO STA. 100+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	316
		CONTRACT NO. 63650		
	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	
	AREAS	
	AREAS	CHECKED

PLOT SCALE=1:1
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X:\102020S\102092\Local Workspace\Plot\DRV\TITLE\ESTLOCK.tbl

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USER NAME = mcolemen	DRAWN - TMB	REVISED -
PLOT DATE = 11/22/2011	CHECKED - RMT	REVISED -
	DATE - 10/23/2011	REVISED -

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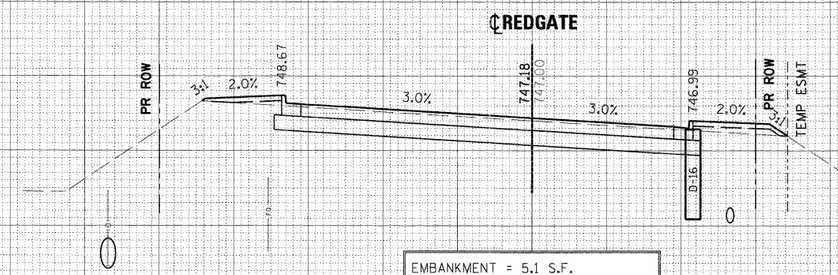
ST. CHARLES SINCE 1834

CITY OF ST. CHARLES

RED GATE ROAD
CROSS-SECTIONS

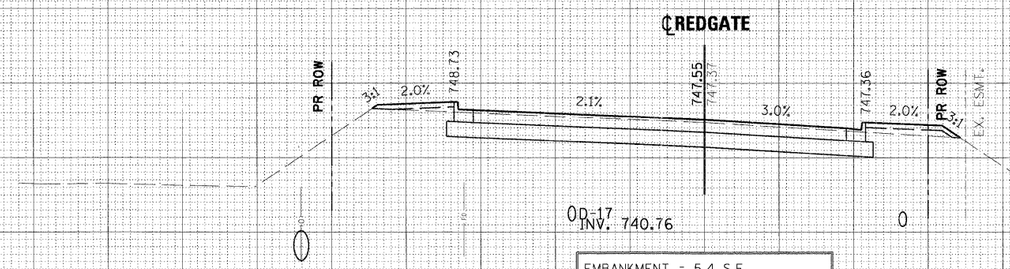
SCALE: | SHEET NO. 6 OF 54 SHEETS | STA. 100+50.00 TO STA. 101+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	317
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			



EMBANKMENT = 5.1 S.F.
CUT = 93.0 S.F.
TOPSOIL PLACEMENT = 7.2 S.F.

102 + 00.00



EMBANKMENT = 5.4 S.F.
CUT = 93.0 S.F.
TOPSOIL PLACEMENT = 7.5 S.F.

101 + 50.00

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

FILE NAME = ...\Cross_sections\REDGATE-PXS.DGN	DESIGNED - MAC	REVISED -
	DRAWN - TMB	REVISED -
USER NAME = mcoleman	CHECKED - RMT	REVISED -
PLOT DATE = 11/22/2011	DATE - 10/23/2011	REVISED -

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RED GATE ROAD
CROSS-SECTIONS

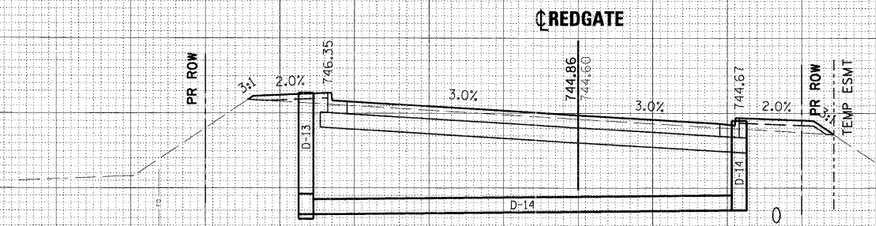
SCALE: | SHEET NO. 7 OF 54 SHEETS | STA. 101+50.00 TO STA. 102+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	318
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			

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

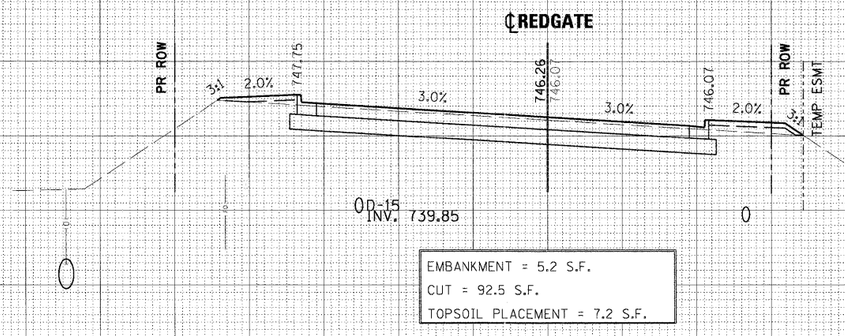
ORIGINAL SURVEY — SURVEYED / PLOTTED / NOTE BOOK / NO. — BY / TEMPLATE / AREAS / AREAS CHECKED — DATE

PLOT SCALE=1:0
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X:\2008\S\08932\Local Workspace\PlotDRV\TITLEBLOCK.tb



EMBANKMENT = 6.5 S.F.
CUT = 88.6 S.F.
TOPSOIL PLACEMENT = 7.4 S.F.

103 + 00.00



EMBANKMENT = 5.2 S.F.
CUT = 92.5 S.F.
TOPSOIL PLACEMENT = 7.2 S.F.

102 + 50.00

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

FILE NAME = ...\Cross_sections\REDGATE-PXS.DGN	DESIGNED - MAC	REVISED -
	DRAWN - TMB	REVISED -
USER NAME = maclemen	CHECKED - RMT	REVISED -
PLOT DATE = 11/22/2011	DATE - 10/23/2011	REVISED -

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CITY OF ST. CHARLES

RED GATE ROAD
CROSS-SECTIONS

SCALE: | SHEET NO. 8 OF 54 SHEETS | STA. 102+50.00 TO STA. 103+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	319

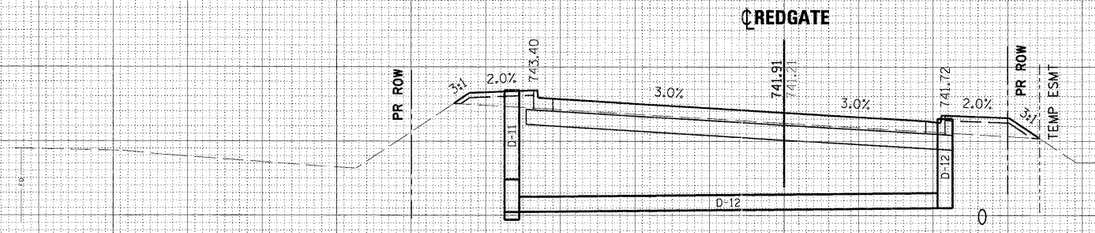
CONTRACT NO. 63650

ILLINOIS | FED. AID PROJECT

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

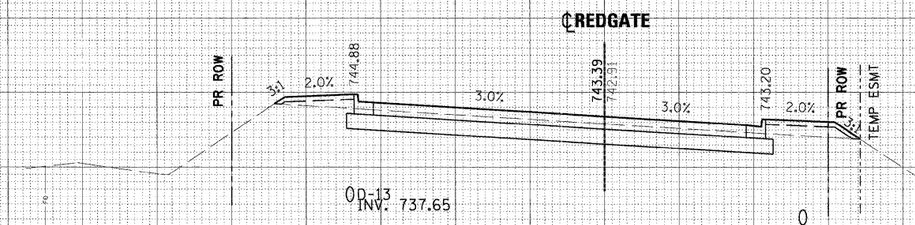
ORIGINAL SURVEY — SURVEYED / PLOTTED / NOTE BOOK — BY / DATE — TEMPLATE / AREAS / AREAS CHECKED

PLOT SCALE:1.0
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EMBANKMENT = 14.6 S.F.
CUT = 64.3 S.F.
TOPSOIL PLACEMENT = 7.5 S.F.

104 + 00.00



EMBANKMENT = 10.7 S.F.
CUT = 76.5 S.F.
TOPSOIL PLACEMENT = 7.5 S.F.

103 + 50.00

FILE NAME =	DESIGNED - MAC	REVISED -	
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USER NAME = mcoleman	CHECKED - RMT	REVISED -	
PLOT DATE = 11/22/2011	DATE - 10/23/2011	REVISED -	

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CITY OF ST. CHARLES

RED GATE ROAD
CROSS-SECTIONS

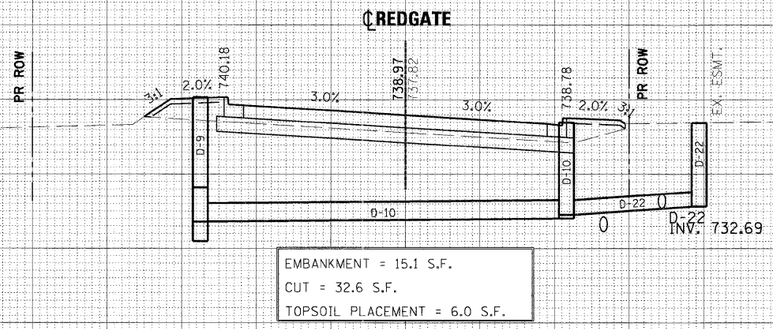
SCALE: | SHEET NO. 9 OF 54 SHEETS | STA. 103+50.00 TO STA. 104+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	320
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			

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

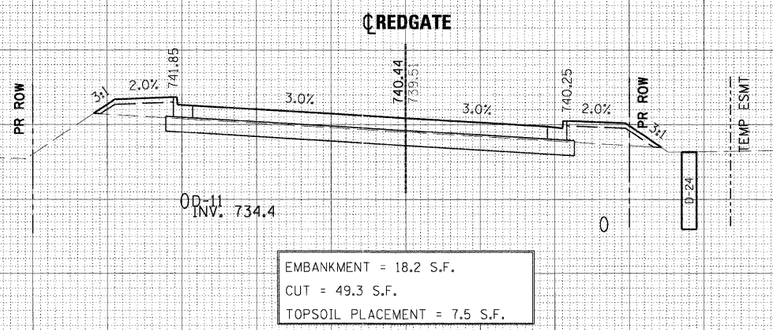
ORIGINAL SURVEY — NOTE BOOK — NO. — BY — DATE — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED

PLOT SCALE = 1.0 '/ IN.
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EMBANKMENT = 15.1 S.F.
CUT = 32.6 S.F.
TOPSOIL PLACEMENT = 6.0 S.F.

105 + 00.00



EMBANKMENT = 18.2 S.F.
CUT = 49.3 S.F.
TOPSOIL PLACEMENT = 7.5 S.F.

104 + 50.00

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

FILE NAME =	DESIGNED - MAC	REVISED -
...\Cross_sections\REDGATE-PXS.DGN	DRAWN - TMB	REVISED -
USER NAME = mcoleman	CHECKED - RMT	REVISED -
PLOT DATE = 11/22/2011	DATE - 10/23/2011	REVISED -

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CITY OF ST. CHARLES

RED GATE ROAD
CROSS-SECTIONS

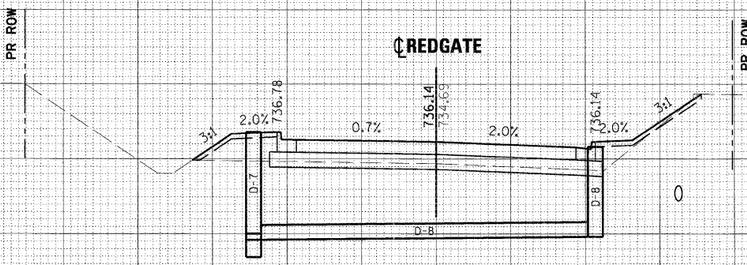
SCALE: | SHEET NO. 10 OF 54 SHEETS | STA. 104+50.00 TO STA. 105+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	321
		CONTRACT NO. 63650		
	ILLINOIS	FED. AID PROJECT		

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

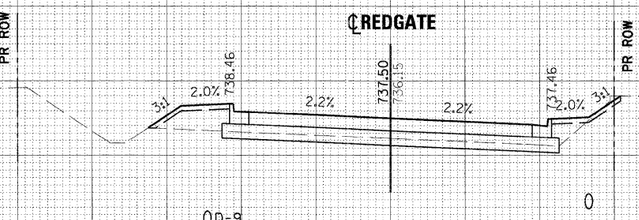
ORIGINAL SURVEY — NOTE BOOK — BY — DATE
SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED

PLOT SCALE: 1.0 / IN.
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X:\1002085\1002%\Local Workspace\PlotDRV\TITLEBLOCK.tbl



EMBANKMENT = 16.6 S.F.
CUT = 18.5 S.F.
TOPSOIL PLACEMENT = 8.4 S.F.

106 + 00.00



EMBANKMENT = 14.3 S.F.
CUT = 23.4 S.F.
TOPSOIL PLACEMENT = 6.6 S.F.

105 + 50.00

FILE NAME = ...\Cross_sections\REDGATE-PXS.DGN	DESIGNED - MAC	REVISED -	benesch engineers · scientists · planners
USER NAME = mcclaman	DRAWN - TMB	REVISED -	ST. CHARLES SINCE 1834
PLOT DATE = 11/22/2011	CHECKED - RMT	REVISED -	CITY OF ST. CHARLES
	DATE - 10/23/2011	REVISED -	

RED GATE ROAD
CROSS-SECTIONS

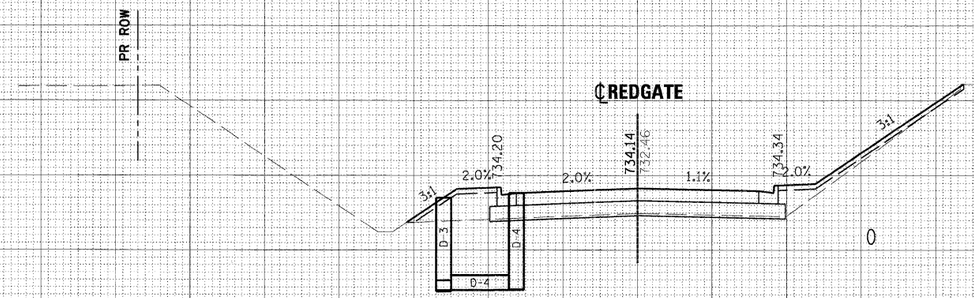
SCALE: | SHEET NO. 11 OF 54 SHEETS | STA. 105+50.00 TO STA. 106+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	322
		CONTRACT NO. 63650		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY NOTE BOOK — SURVEYED / PLOTTED / TEMPLATE / AREAS / AREAS CHECKED — BY / DATE

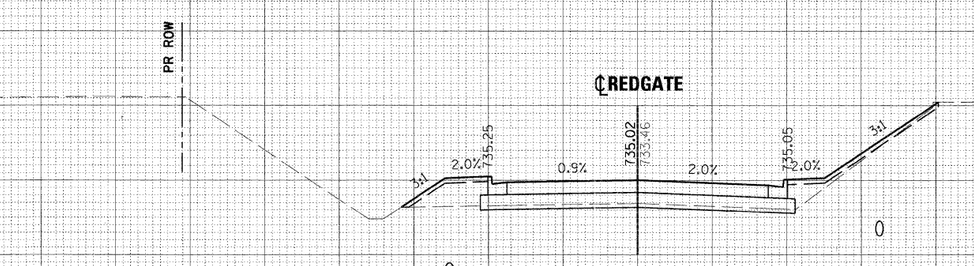
ORIGINAL SURVEY NOTE BOOK — SURVEYED / PLOTTED / TEMPLATE / AREAS / AREAS CHECKED — BY / DATE

PLOT SCALE = 1:0
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X:\108205\108292\Local Workspace\Plots\DRV\TITLEBLOCK.ds



EMBANKMENT = 22.6 S.F.
CUT = 6.4 S.F.
TOPSOIL PLACEMENT = 12.2 S.F.

107 + 00.00



EMBANKMENT = 18.7 S.F.
CUT = 12.5 S.F.
TOPSOIL PLACEMENT = 10.5 S.F.

106 + 50.00

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

FILE NAME = ...\Cross_sections\REDGATE-PXS.DGN	DESIGNED - MAC	REVISED -
	DRAWN - TMB	REVISED -
USER NAME = mcoleman	CHECKED - RMT	REVISED -
PLOT DATE = 11/9/2011	DATE - 10/23/2011	REVISED -

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ST. CHARLES since 1834

CITY OF ST. CHARLES

RED GATE ROAD
CROSS-SECTIONS

SCALE: | SHEET NO. 12 OF 54 SHEETS | STA. 106+50.00 TO STA. 107+00.00

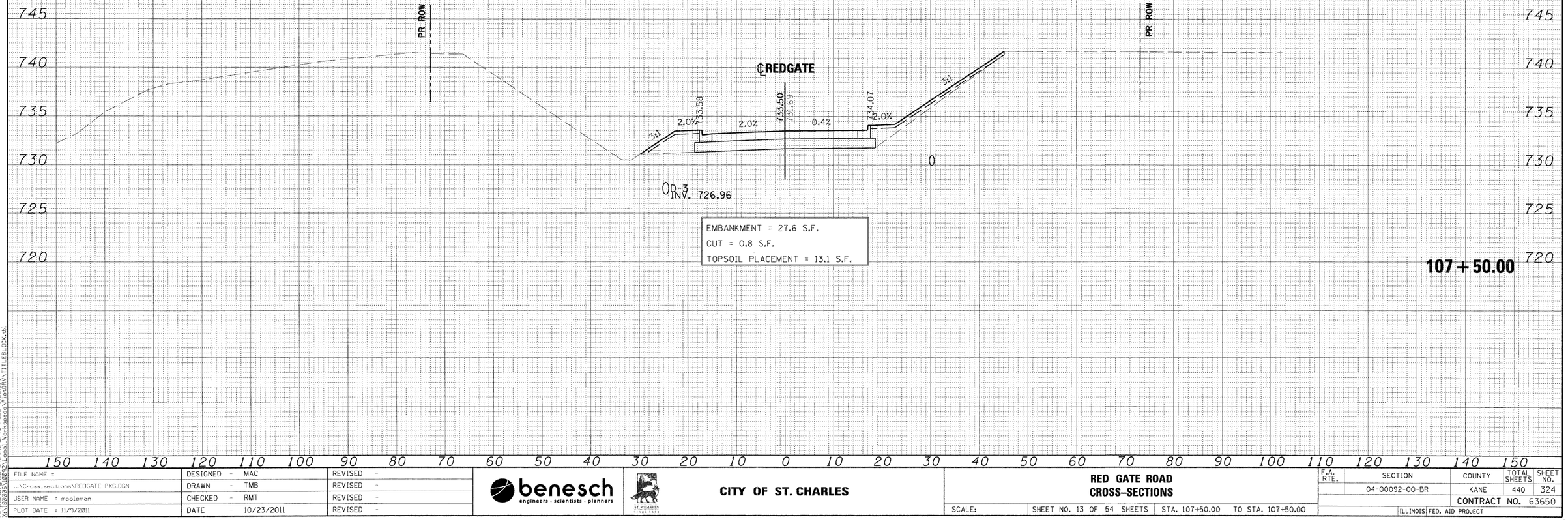
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	323
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			

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

PLOT SCALE=1/10
M:\plotfiles\2dv10mm.PDF V8 FULL SIZE.plt
X:\128285\128942\Local Workspace\Plot\DRV_TITLEBLOCK.dgn

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



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

PLOT SCALE:1:0
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FILE NAME = ...\Cross_sections\REDGATE-PXS.DGN	DESIGNED - MAC	REVISED -	
	DRAWN - TMB	REVISED -	
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PLOT DATE = 11/9/2011	DATE - 10/23/2011	REVISED -	

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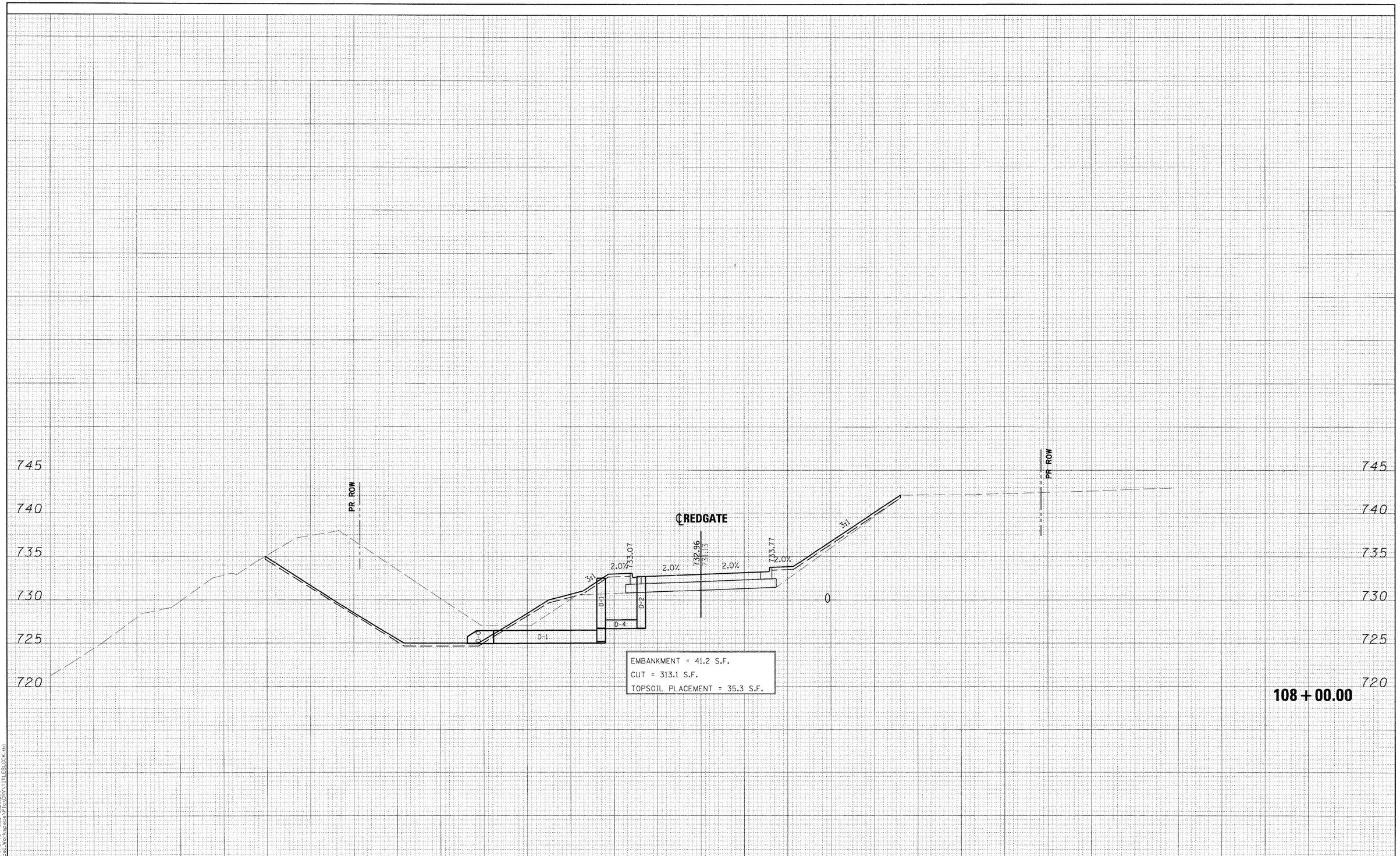
CITY OF ST. CHARLES

RED GATE ROAD
CROSS-SECTIONS

SCALE: | SHEET NO. 13 OF 54 SHEETS | STA. 107+50.00 TO STA. 107+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	324
		CONTRACT NO. 63650		
		ILLINOIS FED. AID PROJECT		

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



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

PLOT SCALE= 1:10
M:\plots\Fy12nd\Dan\PRVB FULL SIZE.plt
X:\1800BUS\2012\LDD\ks-kspasa\Plots\DWV\TITLEBLOCK.tbl

FILE NAME =	DESIGNED - MAC	REVISED -	
...\Cross_sections\REDGATE-PXS.DGN	DRAWN - TMB	REVISED -	
USER NAME = mcoleman	CHECKED - RMT	REVISED -	
PLOT DATE = 11/9/2011	DATE - 10/23/2011	REVISED -	

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ST. CHARLES SINCE 1834

CITY OF ST. CHARLES

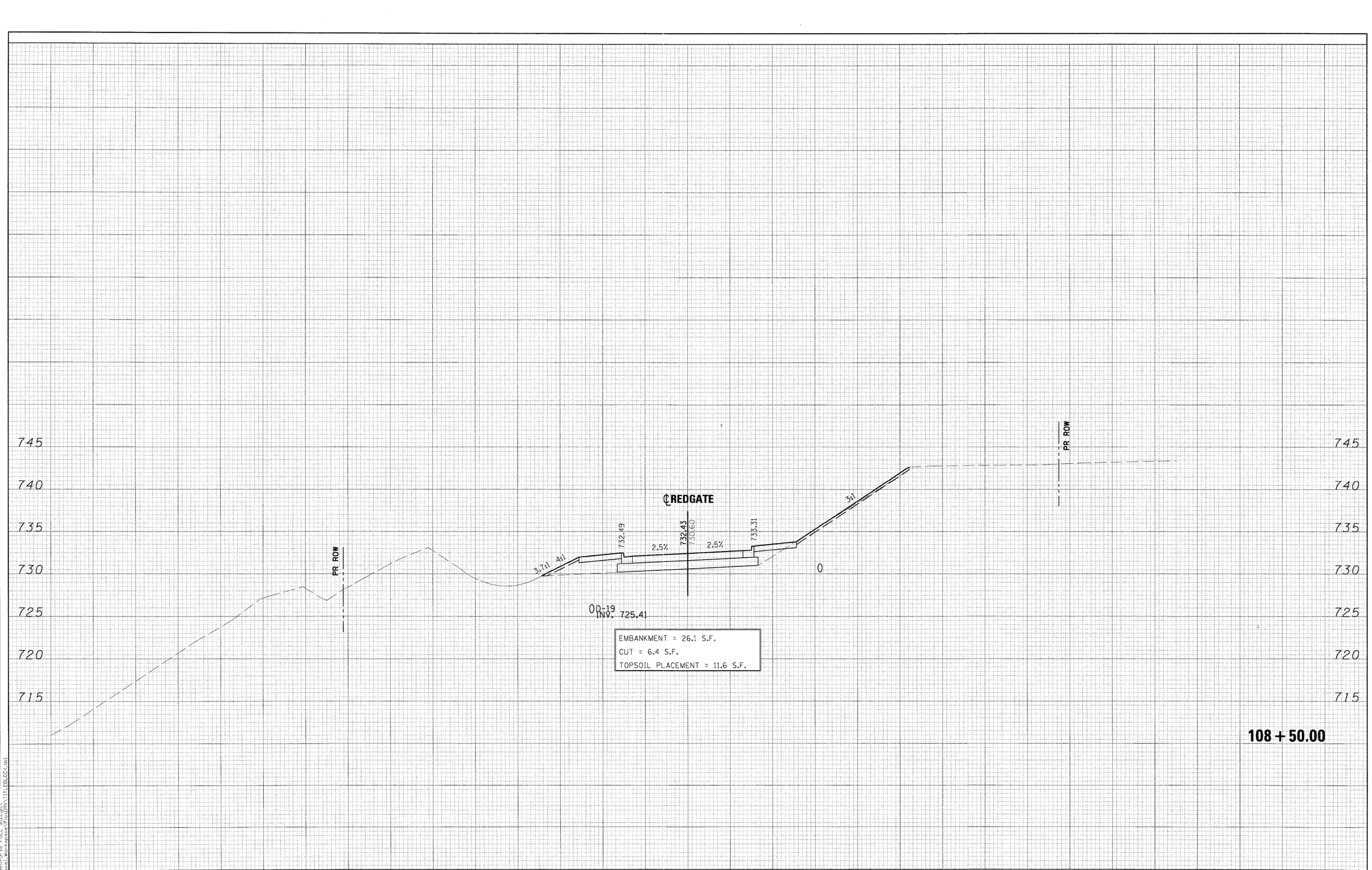
RED GATE ROAD
CROSS-SECTIONS

SCALE: | SHEET NO. 14 OF 54 SHEETS | STA. 108+00.00 | TO STA. 108+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	325
		CONTRACT NO. 63650		
	ILLINOIS	FED. AID PROJECT		

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

745



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

PLOT SCALE = 1:10
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	DRAWN - TMB	REVISED -	
USER NAME = mcclernan	CHECKED - RMT	REVISED -	
PLOT DATE = 11/9/2011	DATE - 10/23/2011	REVISED -	

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engineers · scientists · planners

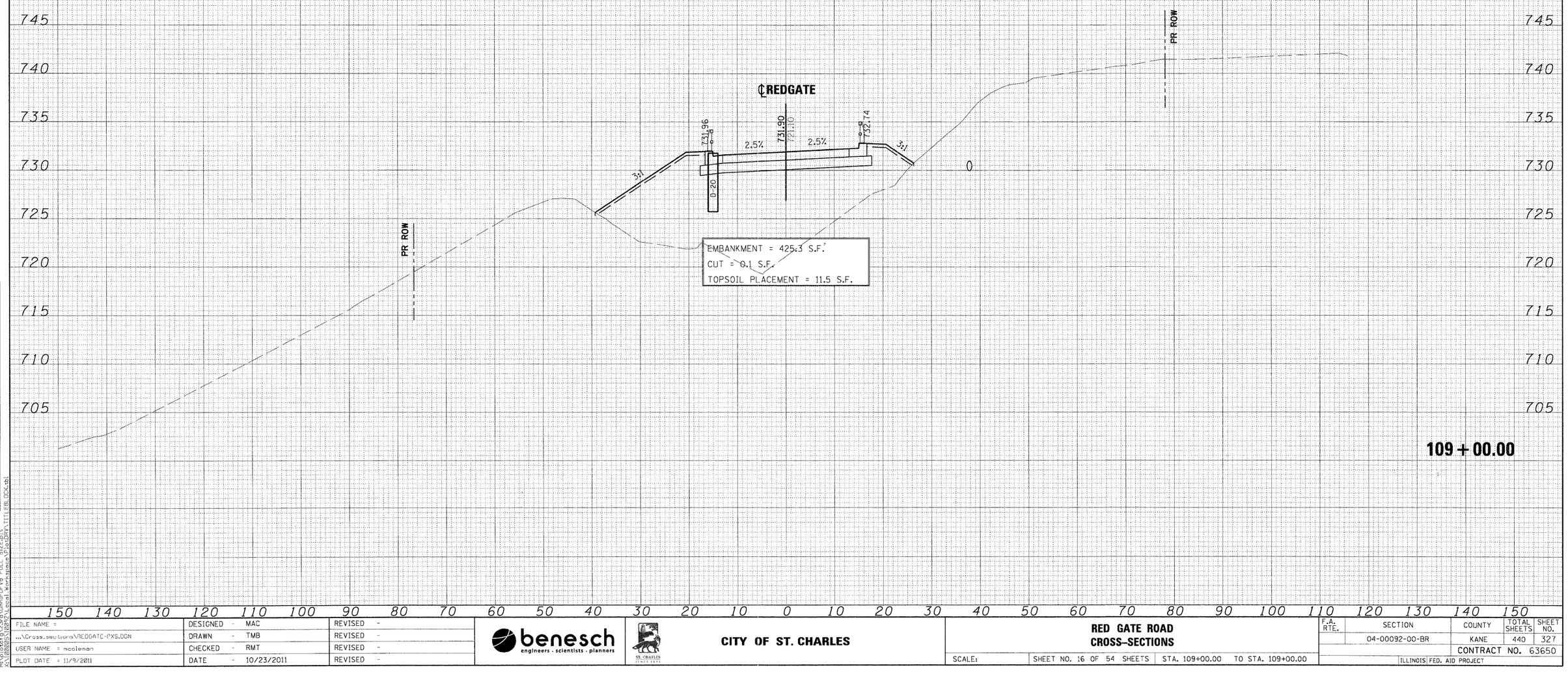
ST. CHARLES SINCE 1834

CITY OF ST. CHARLES

RED GATE ROAD
CROSS-SECTIONS

SCALE: | SHEET NO. 15 OF 54 SHEETS | STA. 108+50.00 | TO STA. 108+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	326
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			



FILE NAME = ...\Cross_sections\REDGATE-PXS.DGN	DESIGNED - MAC	REVISED -	benesch engineers · scientists · planners
	DRAWN - TMB	REVISED -	
USER NAME = mcoleman	CHECKED - RMT	REVISED -	
PLOT DATE = 11/9/2011	DATE - 10/23/2011	REVISED -	

CITY OF ST. CHARLES

RED GATE ROAD
CROSS-SECTIONS

SCALE: | SHEET NO. 16 OF 54 SHEETS | STA. 109+00.00 TO STA. 109+00.00

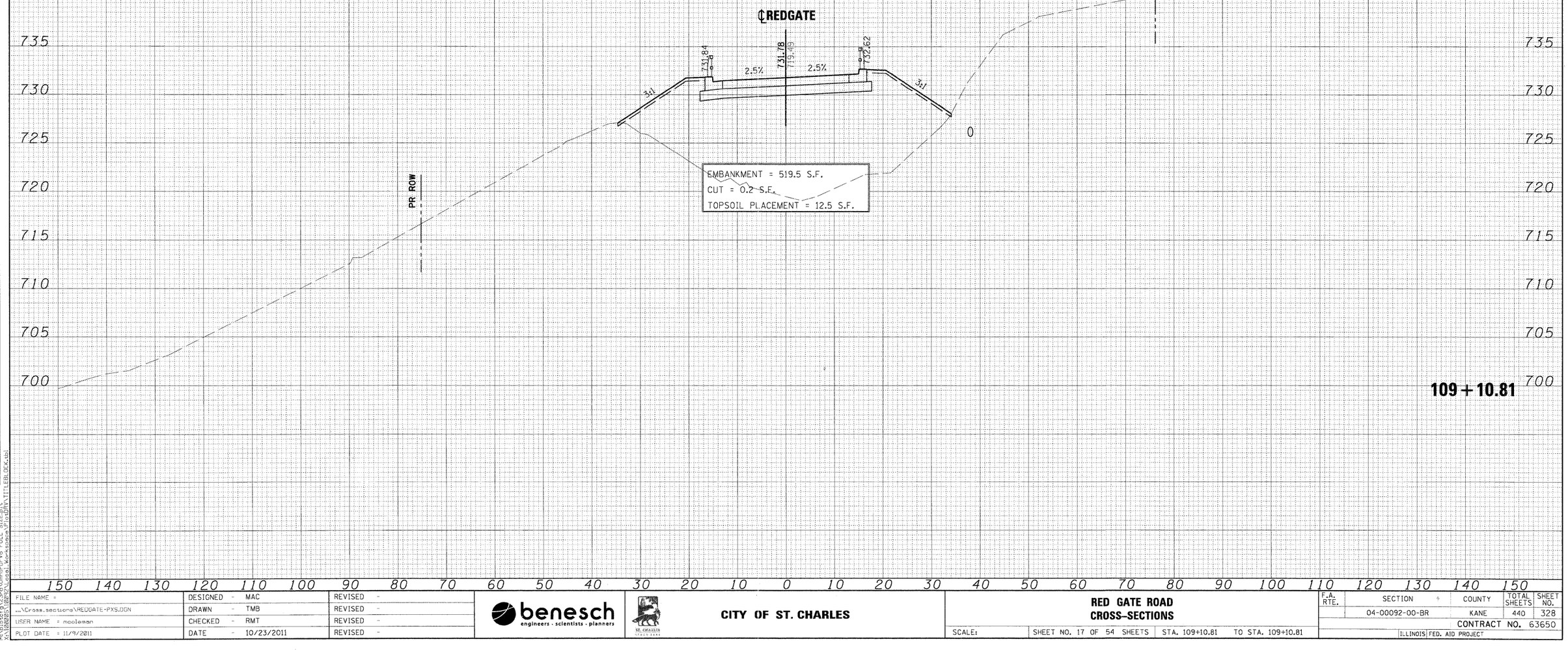
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	327
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			

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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M:\108025\109\Local Workspace\Plots\DRV_TITLEBLOCK.tbl

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		

PLOT SCALE=1:10
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X:\1808851\1808851_Local_Workspace\Plot\PRTY11LEBLOCK.tbl

FILE NAME = ...\Cross_sections\REDGATE-PXS.DGN	DESIGNED - MAC	REVISED -	
	DRAWN - TMB	REVISED -	
USER NAME = mooleman	CHECKED - RMT	REVISED -	
PLOT DATE = 11/9/2011	DATE - 10/23/2011	REVISED -	

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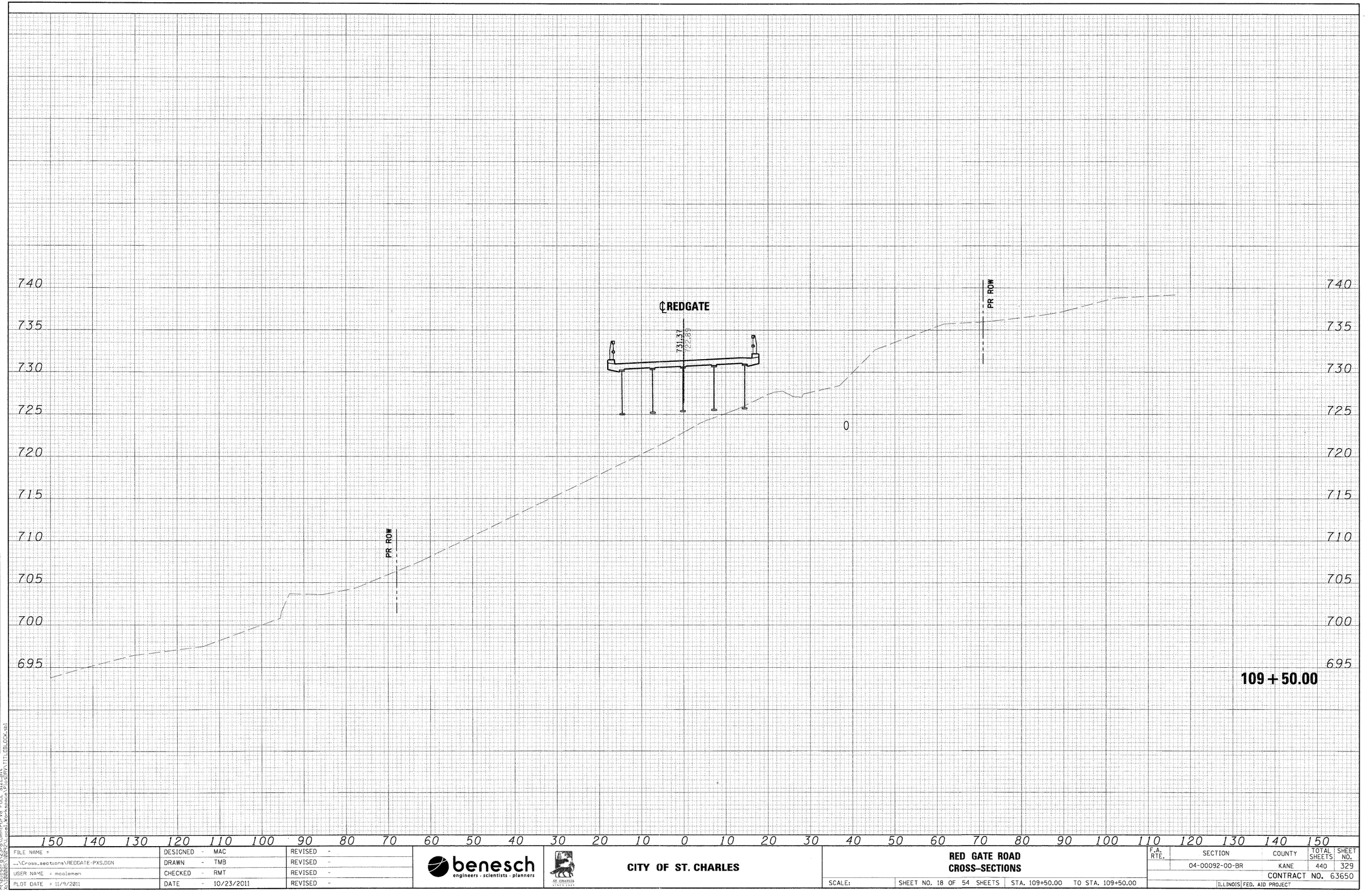
ST. CHARLES STACK BAND

CITY OF ST. CHARLES

RED GATE ROAD
CROSS-SECTIONS

SCALE: | SHEET NO. 17 OF 54 SHEETS | STA. 109+10.81 | TO STA. 109+10.81

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	328
	CONTRACT NO. 63650			
	ILLINOIS FED. AID PROJECT			



FILE NAME =	DESIGNED - MAC	REVISED -	
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USER NAME = mcoleman	CHECKED - RMT	REVISED -	
PLOT DATE = 11/9/2011	DATE - 10/23/2011	REVISED -	

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CITY OF ST. CHARLES

RED GATE ROAD
CROSS-SECTIONS

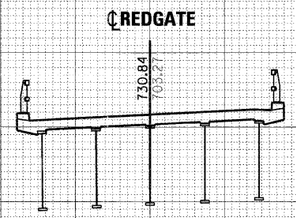
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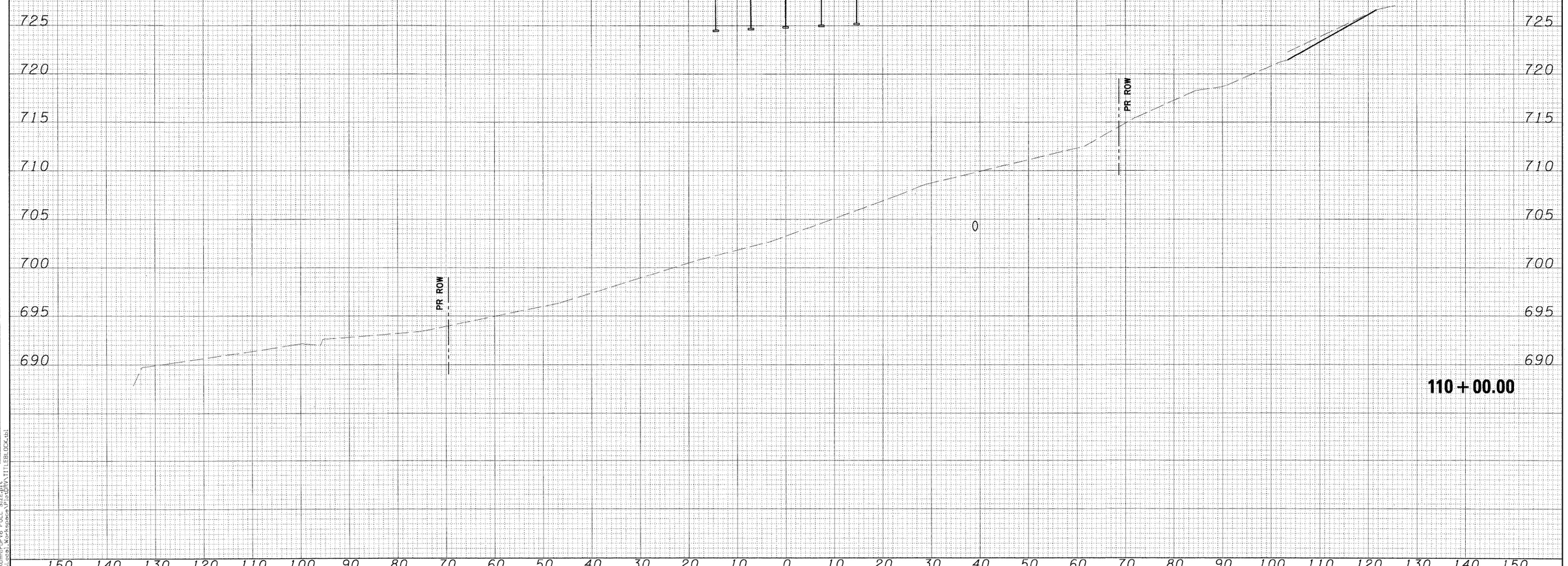
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	329
		CONTRACT NO. 63650		
	ILLINOIS	FED. AID PROJECT		

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

PLOT SCALE:1:0
M:\projects\p23-01\Omni3DV8 FULL SIZE.plt
X:\2D0805\2D0805\Local Workspace\Plots\PRV_TITLEBLOCK.dgn





FILE NAME =	DESIGNED - MAC	REVISED -	
...\Cross_sections\REDGATE-PXS.DGN	DRAWN - TMB	REVISED -	
USER NAME = mooleman	CHECKED - RMT	REVISED -	
PLOT DATE = 11/9/2011	DATE - 10/23/2011	REVISED -	

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CITY OF ST. CHARLES

RED GATE ROAD
CROSS-SECTIONS

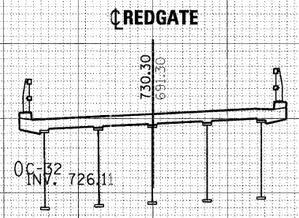
SCALE: | SHEET NO. 19 OF 54 SHEETS | STA. 110+00.00 | TO STA. 110+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	330
		CONTRACT NO. 63650		
	ILLINOIS	FED. AID PROJECT		

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

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

PLOT SCALE=1.0
PLOT DATE=11/9/2011
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PR ROW

PR ROW

110+50.00

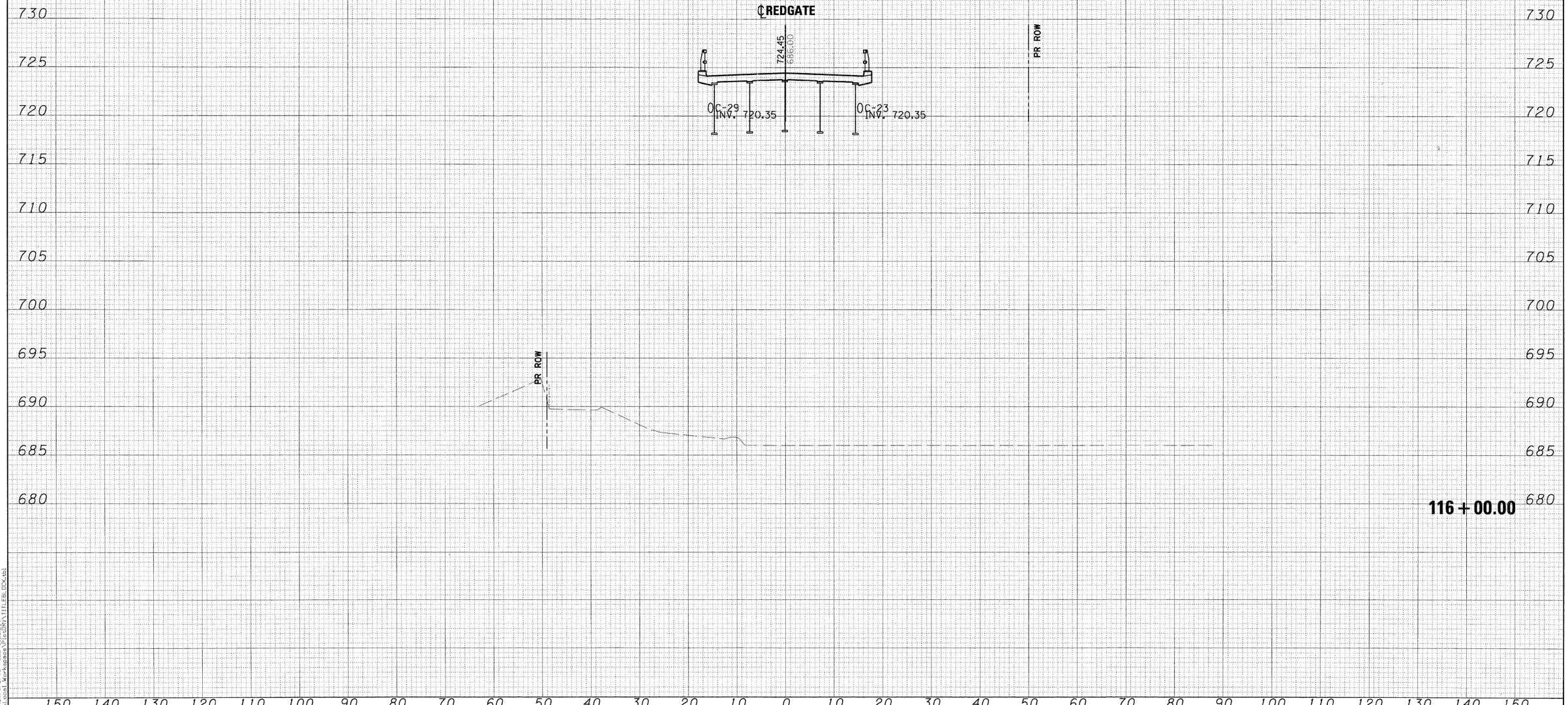
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USER NAME = mcoleman	DRAWN - TMB	REVISED -	RED GATE ROAD CROSS-SECTIONS
PLOT DATE = 11/9/2011	CHECKED - RMT	REVISED -	SCALE: SHEET NO. 20 OF 54 SHEETS STA. 110+50.00 TO STA. 110+50.00
	DATE - 10/23/2011	REVISED -	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	331
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			

PLOT SCALE=1:10
M:\plotsf\%22sf\Omn\PDFV8 FULL SIZE.plt
X:\1080805\1080PS\Local_Workspace\Plotdrv\TFILEBLOCK.tbl

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



FILE NAME =	DESIGNED - MAC	REVISED -	
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USER NAME = mcoleman	CHECKED - RMT	REVISED -	
PLOT DATE = 11/9/2011	DATE - 10/23/2011	REVISED -	

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CITY OF ST. CHARLES

RED GATE ROAD
CROSS-SECTIONS

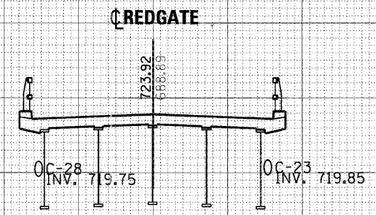
SCALE: | SHEET NO. 21 OF 54 SHEETS | STA. 116+00.00 TO STA. 116+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	332
		CONTRACT NO. 63650		
	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	

PLOT SCALE: 1:10
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X:\108085\000\Local Workspace\Files\DRV\111_EB_DCX.dgn



730 725 720 715 710 705 700 695 690 685

PR ROW

PR ROW

0

116 + 50.00

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

FILE NAME = ...\Cross_sections\REDGATE-PXS.DGN	DESIGNED - MAC	REVISED -	benesch engineers · scientists · planners
USER NAME = mcoleman	DRAWN - TMB	REVISED -	CITY OF ST. CHARLES
PLOT DATE = 11/9/2011	CHECKED - RMT	REVISED -	RED GATE ROAD CROSS-SECTIONS
	DATE - 10/23/2011	REVISED -	SCALE: SHEET NO. 22 OF 54 SHEETS STA. 116+50.00 TO STA. 116+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	333
		CONTRACT NO. 63650		
	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

PLOT SCALE:1.0
M:\plotfq\22nd\Omni\PDFV8 FULL SIZE.plt
X:\1802825\1802825_cad_Workspace\Plot\RVT\TITLEBLOCK.tbl

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

730
725
720
715
710
705
700
695
690
685

℄REDGATE

723.39
688.39

0C-28
INV. 719.25

0C-22
INV. 719.25

PR ROW

PR ROW

0

117 + 00.00

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

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

PLOT SCALE= 1:1
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X:\000851\100221\cad\Workspace\PlotDRV\111E101PX4b1

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	DRAWN - TMB	REVISED -
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PLOT DATE = 11/9/2011	DATE - 10/23/2011	REVISED -

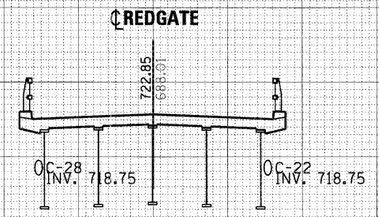
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CITY OF ST. CHARLES

RED GATE ROAD
CROSS-SECTIONS

SCALE: | SHEET NO. 23 OF 54 SHEETS | STA. 117+00.00 | TO STA. 117+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	334
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			



730
725
720
715
710
705
700
695
690
685

PR. ROW
PR. ROW
0
117+50.00

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

FILE NAME = ...\Cross_sections\REDGATE-PXS.DGN	DESIGNED - MAC	REVISED -	benesch engineers · scientists · planners
	DRAWN - TMB	REVISED -	
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PLOT DATE = 11/9/2011	DATE - 10/23/2011	REVISED -	

CITY OF ST. CHARLES

RED GATE ROAD
CROSS-SECTIONS

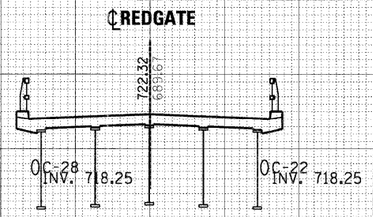
SCALE: | SHEET NO. 24 OF 54 SHEETS | STA. 117+50.00 | TO STA. 117+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	335
		CONTRACT NO. 63650		
	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

PLOT SCALE=1:10
MS:\plotfiles\v23rd\0mm\PDFV8 FULL SIZE.plt
XA:\00085\1089\Local Workspace\PlotDRV_TITLEBLOCK.tbl



725
720
715
710
705
700
695
690
685

PR ROW
PR ROW
0
118 + 00.00

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

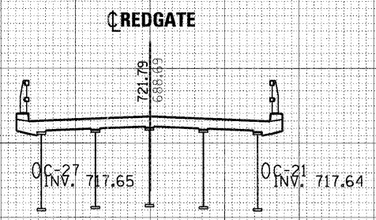
FILE NAME =	DESIGNED - MAC	REVISED -	benesch engineers · scientists · planners
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USER NAME = mcoleman	CHECKED - RMT	REVISED -	RED GATE ROAD CROSS-SECTIONS
PLOT DATE = 11/9/2011	DATE - 10/23/2011	REVISED -	SCALE: SHEET NO. 25 OF 54 SHEETS STA. 118+00.00 TO STA. 118+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	336
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			

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

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

PLOT SCALE= 1:10
M:\plotdrv\2d\Omni2DPV8 FULL SIZE.plt
X:\1080085\1000\Local Workspace\Projects\EBL_DCK.tbl



725
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695
690
685

PR. ROW
PR. ROW

0

118 + 50.00

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

FILE NAME = ...\Cross_sections\REDGATE-PXS.DGN	DESIGNED - MAC	REVISED -
USER NAME = mcoleman	DRAWN - TMB	REVISED -
PLOT DATE = 11/9/2011	CHECKED - RMT	REVISED -
	DATE - 10/23/2011	REVISED -

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CITY OF ST. CHARLES

RED GATE ROAD
CROSS-SECTIONS

SCALE: | SHEET NO. 26 OF 54 SHEETS | STA. 118+50.00 | TO STA. 118+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	337

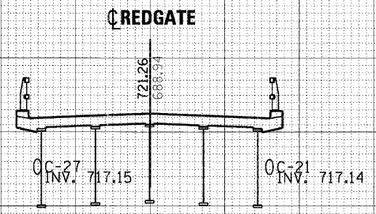
CONTRACT NO. 63650

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

PLOT SCALE: 1:10
M:\plotfo\22cad\dmnPDFV8 FULL SIZE.plt
X:\2009\12092\Local Workspace\PlotDir\TITLEBLOCK.tbl



725
720
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705
700
695
690
685

PR. ROW
PR. ROW
0
119+00.00

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

FILE NAME =	DESIGNED - MAC	REVISED -
...\Cross_sections\REDGATE-PXS.DGN	DRAWN - TMB	REVISED -
USER NAME = mcoleman	CHECKED - RMT	REVISED -
PLOT DATE = 11/9/2011	DATE - 10/23/2011	REVISED -

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ST. CHARLES since 1834

CITY OF ST. CHARLES

RED GATE ROAD
CROSS-SECTIONS

SCALE: | SHEET NO. 27 OF 54 SHEETS | STA. 119+00.00 | TO STA. 119+00.00

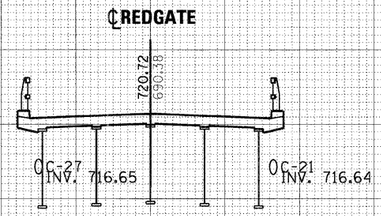
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	338
		CONTRACT NO. 63650		
	ILLINOIS	FED. AID PROJECT		

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

PLOT SCALE:1:0
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X:\000025\089\Local Workspace\Plotdir\TITLEBLOCK.dgl

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



725 720 715 710 705 700 695 690 685

PR ROW

PR ROW

0

119+50.00

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

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

PLOT SCALE:1:10
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FILE NAME =	DESIGNED - MAC	REVISED -	
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USER NAME = maolsen	CHECKED - RMT	REVISED -	
PLOT DATE = 11/9/2011	DATE - 10/23/2011	REVISED -	

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ST. CHARLES SINCE 1834

CITY OF ST. CHARLES

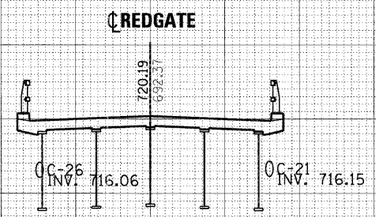
RED GATE ROAD
CROSS-SECTIONS

SCALE: | SHEET NO. 28 OF 54 SHEETS | STA. 119+50.00 | TO STA. 119+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	339
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			

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

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



725 720 715 710 705 700 695 690 685

PR ROW

PR ROW

0

120+00.00

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

PLOT SCALE: 1:1.0
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X:\000005\00972\Local Workspace\Plotdrv\TITLEBL_DEX.dgn

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	DRAWN - TMB	REVISED -	
USER NAME = mcoleman	CHECKED - RMT	REVISED -	
PLOT DATE = 11/9/2011	DATE - 10/23/2011	REVISED -	

CITY OF ST. CHARLES

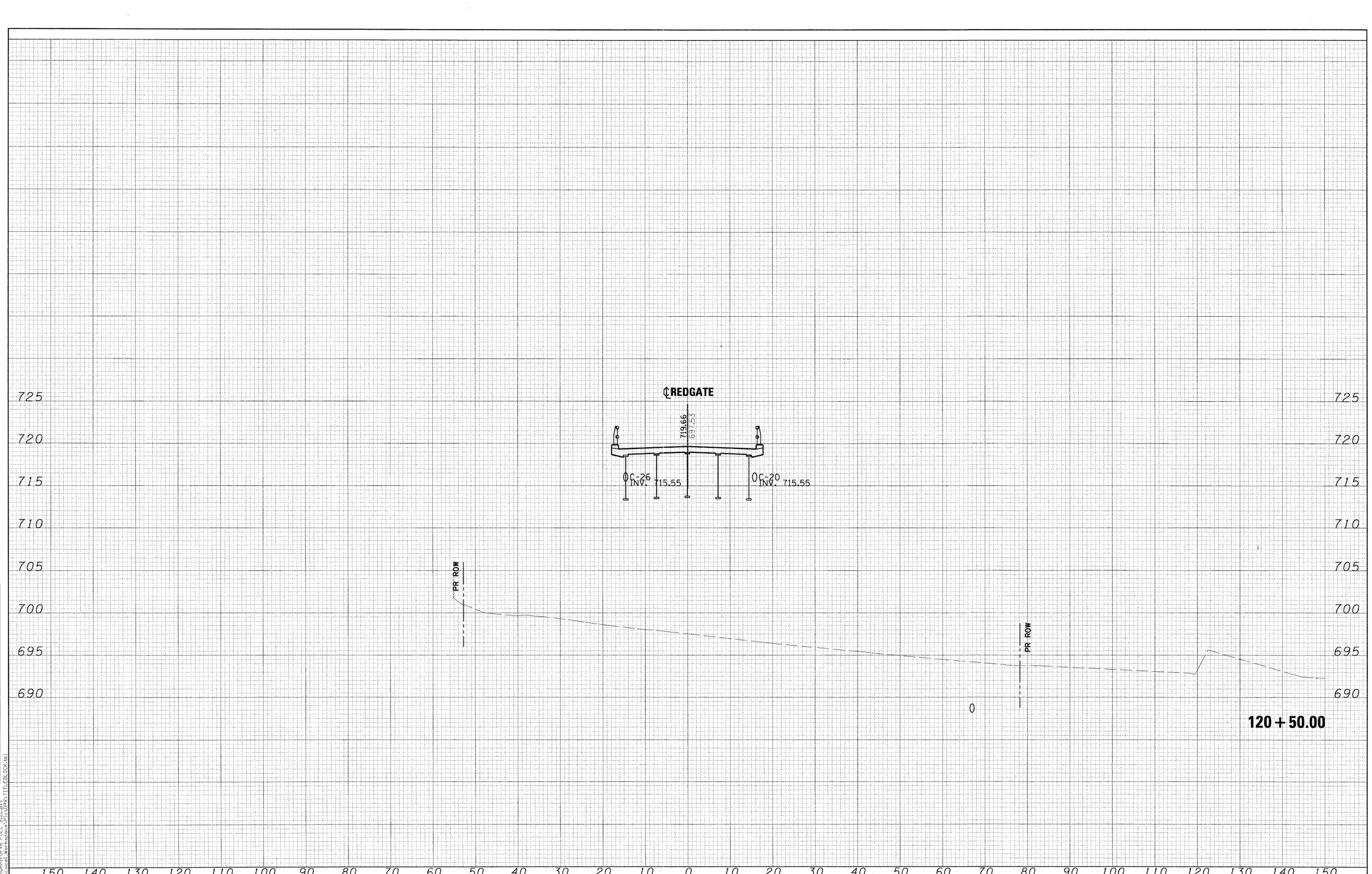
RED GATE ROAD
CROSS-SECTIONS

SCALE: | SHEET NO. 29 OF 54 SHEETS | STA. 120+00.00 TO STA. 120+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	340

CONTRACT NO. 63650

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

PLOT SCALE=1:10
PLOT DATE=11/9/2011
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M:\1800S\1809S\Local Workspace\Plotdrv\TITLEBLOCK.tbl

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	DRAWN - TMB	REVISED -
USER NAME = mcoleman	CHECKED - RMT	REVISED -
PLOT DATE = 11/9/2011	DATE - 10/23/2011	REVISED -

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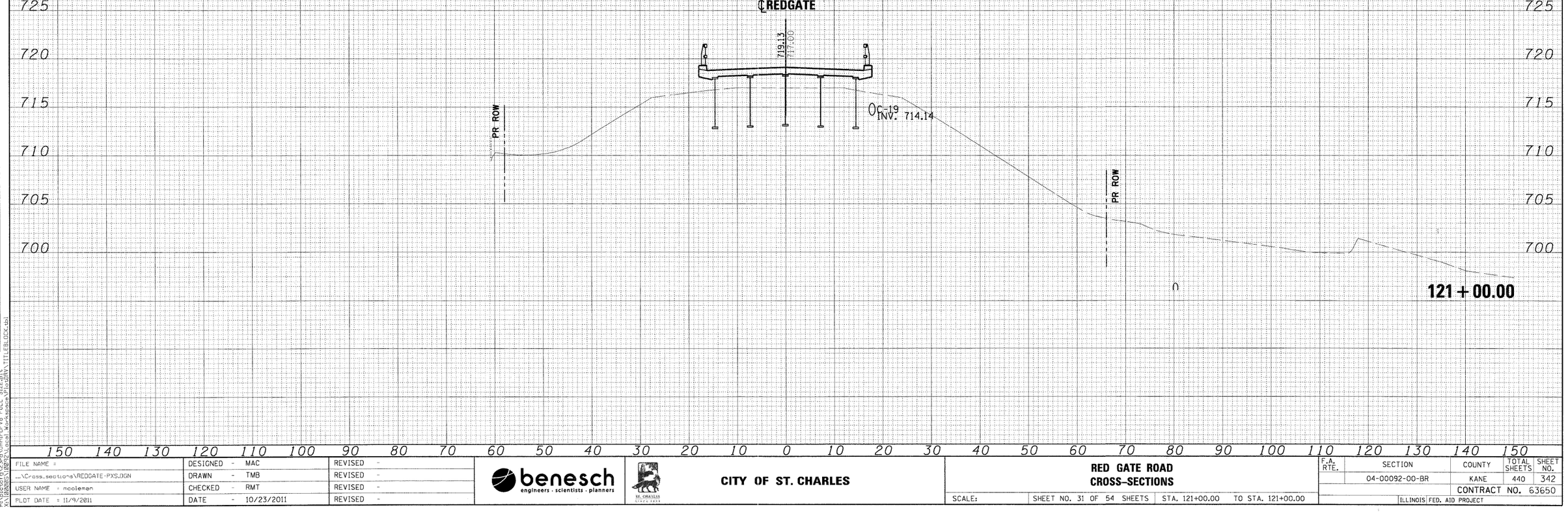
RED GATE ROAD
CROSS-SECTIONS

SCALE: | SHEET NO. 30 OF 54 SHEETS | STA. 120+50.00 TO STA. 120+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	341
		CONTRACT NO. 63650		
	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		



PLOT SCALE=1:1.0
PLOT DATE = 11/9/2011
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X:\0800S\0803\Local Workspace\Plotdrv\TITLEBLOCK.tbl

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	DRAWN - TMB	REVISED -
USER NAME = mcoleman	CHECKED - RMT	REVISED -
	DATE - 10/23/2011	REVISED -

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Since 1834

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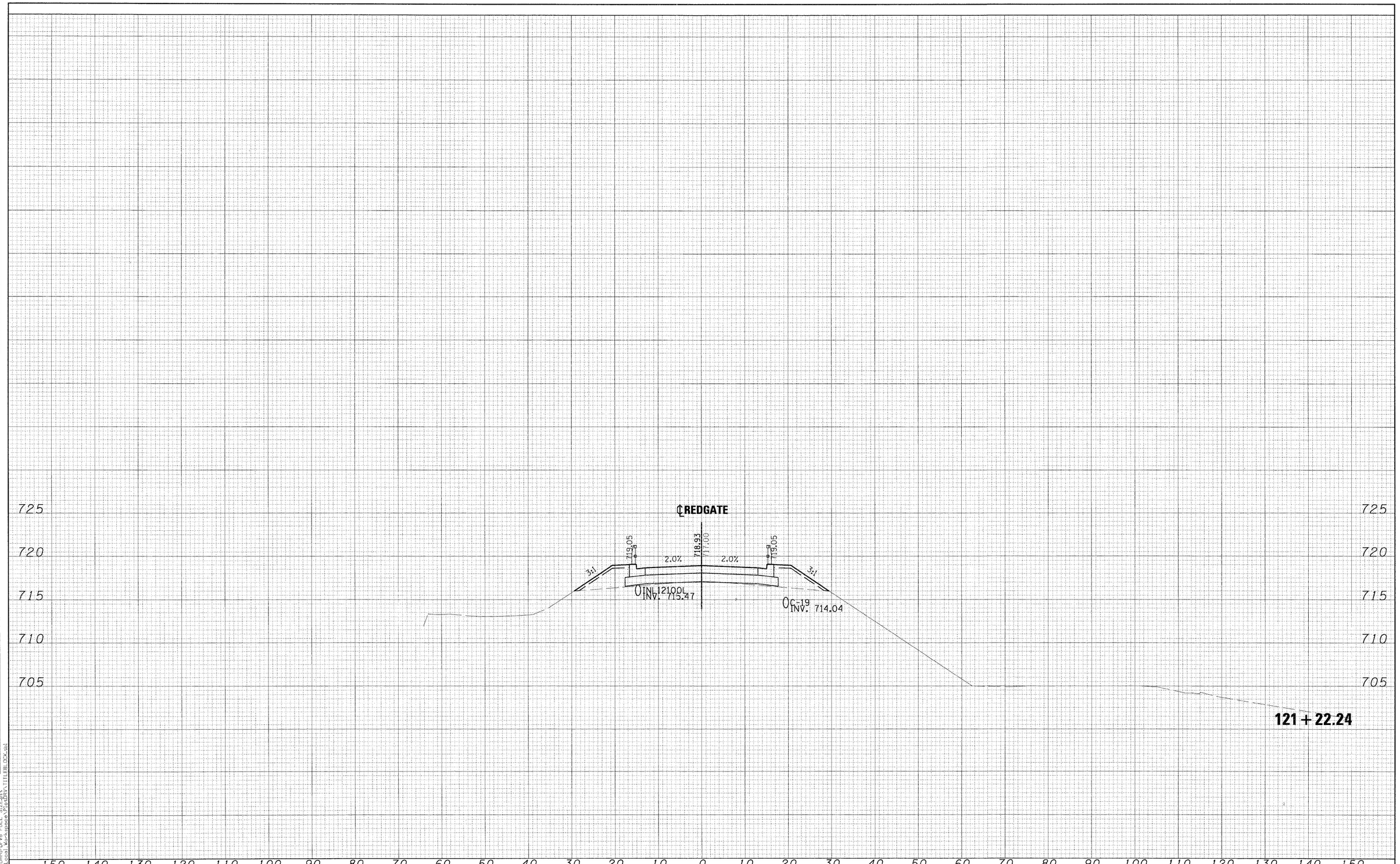
RED GATE ROAD
CROSS-SECTIONS

SCALE: | SHEET NO. 31 OF 54 SHEETS | STA. 121+00.00 TO STA. 121+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	342
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			

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

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



FILE NAME = ...\Cross_sections\REDGATE_PXS.DGN	DESIGNED - MAC	REVISED -	
	DRAWN - TMB	REVISED -	
USER NAME = mcoleman	CHECKED - RMT	REVISED -	
PLOT DATE = 11/9/2011	DATE - 10/23/2011	REVISED -	

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RED GATE ROAD
CROSS-SECTIONS

SCALE: | SHEET NO. 32 OF 54 SHEETS | STA. 121+22.24 | TO STA. 121+22.24

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	343
		CONTRACT NO. 63650		
	ILLINOIS	FED. AID PROJECT		

PLOT SCALE=1:0
M:\projects\2012\n01\mm\PDF\B FULL SIZE.plt
X:\Projects\12092\Local Workspace\Plots\PNV_111EB_DX.dgn

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

725

℄REDGATE

725

720

720

715

715

710

710

705

705

700

700

PR ROW

718.90 718.77 718.90

2.0% 2.0%

3:1 3:1

0.23

INV. 715.35

INV. 712.57

PR ROW

EMBANKMENT = 29.2 S.F.
CUT = 0.0 S.F.
TOPSOIL PLACEMENT = 7.8 S.F.

121 + 50.00

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

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

PLOT SCALE=1:1
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X:\PROJECTS\08092\Local Workspace\Plotdrv\TITLEBLOCK.tbl

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USER NAME = mcoleman	DRAWN - TMB	REVISED -
PLOT DATE = 11/9/2011	CHECKED - RMT	REVISED -
	DATE - 10/23/2011	REVISED -

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CITY OF ST. CHARLES

RED GATE ROAD
CROSS-SECTIONS

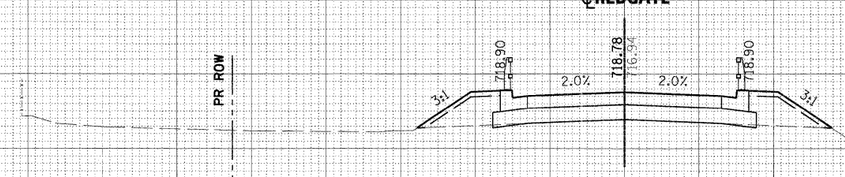
SCALE: | SHEET NO. 33 OF 54 SHEETS | STA. 121+50.00 TO STA. 121+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	344
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			

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

725

℄REDGATE



EMBANKMENT = 29.2 S.F.
CUT = 0.0 S.F.
TOPSOIL PLACEMENT = 7.8 S.F.

725
720
715
710
705
700

122+00.00

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

FILE NAME =	DESIGNED - MAC	REVISED -	
...\Cross_sections\REDGATE-PXS.DGN	DRAWN - TMB	REVISED -	
USER NAME = mcoleman	CHECKED - RMT	REVISED -	
PLOT DATE = 11/9/2011	DATE - 10/23/2011	REVISED -	

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CITY OF ST. CHARLES

RED GATE ROAD
CROSS-SECTIONS

SCALE: | SHEET NO. 34 OF 54 SHEETS | STA. 122+00.00 TO STA. 122+00.00

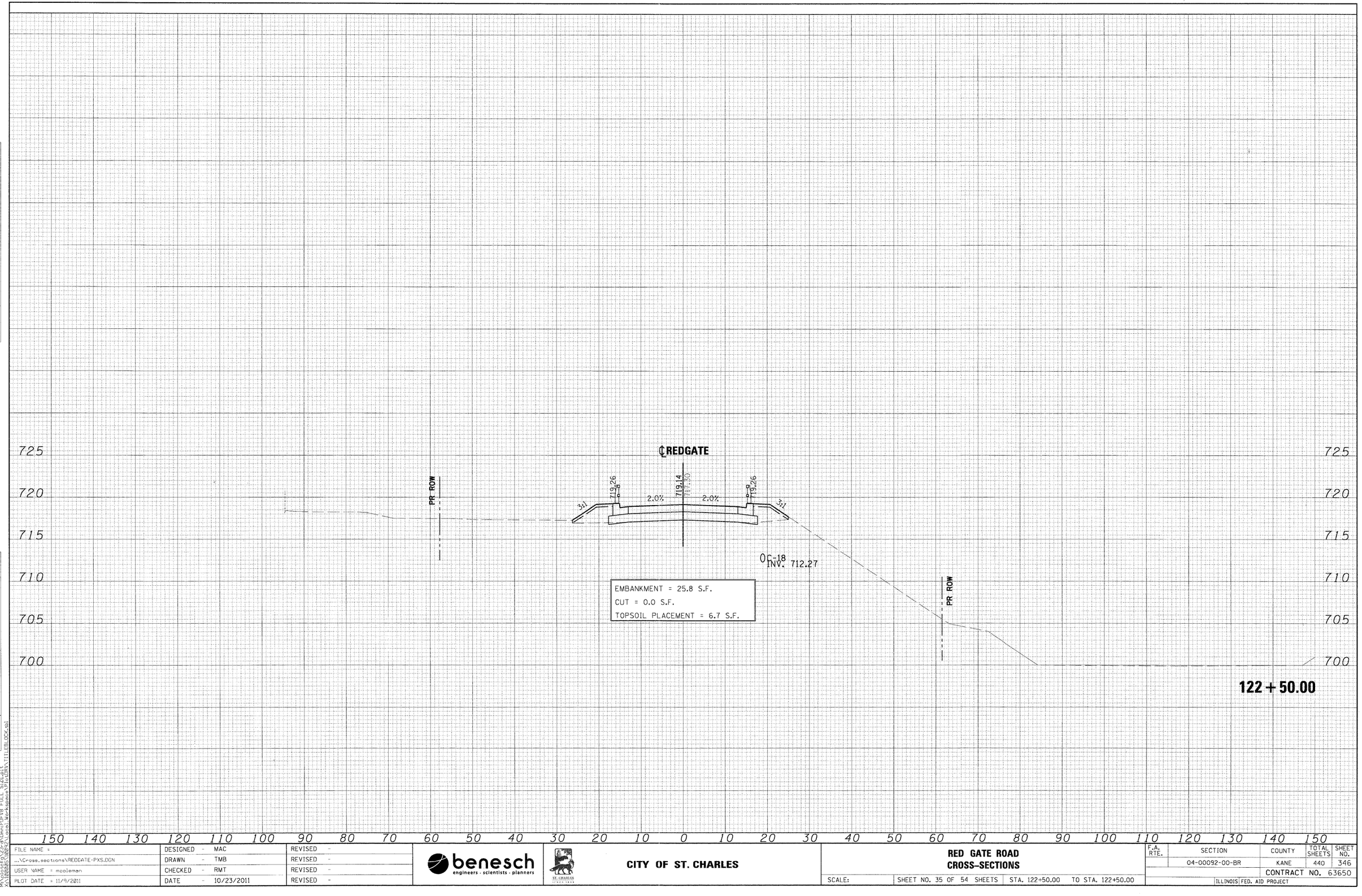
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	345
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			

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

PLOT SCALE:1:10
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X:\100025\0002\Local Workspace\Plans\PRV\TITLEBLOCK.dgn

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

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



PLOT SCALE: 1:10
PLOT STYLE TABLE: FULL SIZE.plt
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X:\000005\009\Local Workspace\Plans\DRV\111EBLOCK.dgn

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USER NAME = mcoleman	CHECKED - RMT	REVISED -
PLOT DATE = 11/9/2011	DATE - 10/23/2011	REVISED -

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ST. CHARLES ILLINOIS

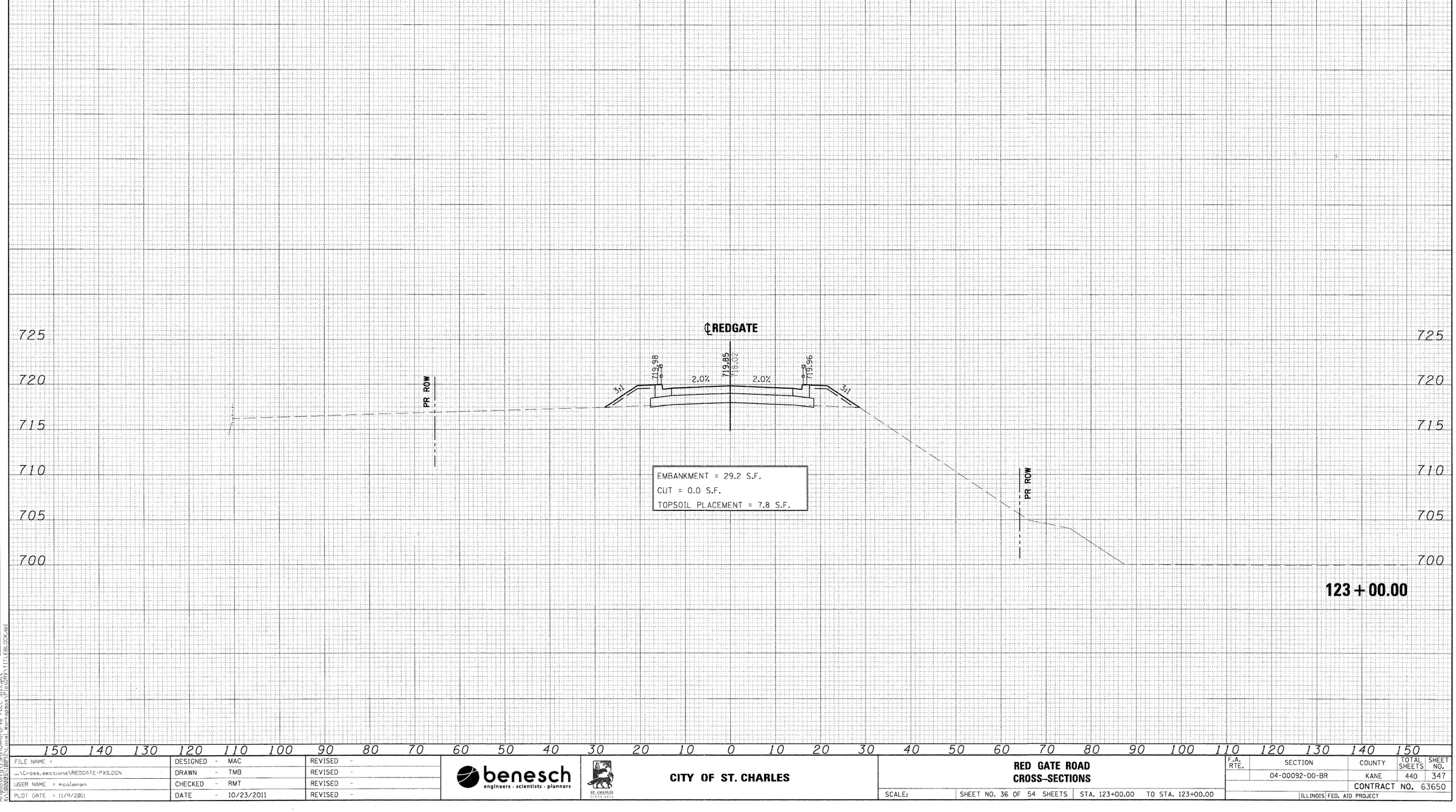
CITY OF ST. CHARLES

RED GATE ROAD
CROSS-SECTIONS

SCALE: | SHEET NO. 35 OF 54 SHEETS | STA. 122+50.00 | TO STA. 122+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	346
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			

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



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

PLOT SCALE:1:10
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X:\0800BS\1080P2\Local Workspace\PlotDir\111-ERLICK.tbl

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	DRAWN - TMB	REVISED -	
USER NAME = mcoleman	CHECKED - RMT	REVISED -	
PLOT DATE = 11/9/2011	DATE - 10/23/2011	REVISED -	

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ST. CHARLES SINCE 1834

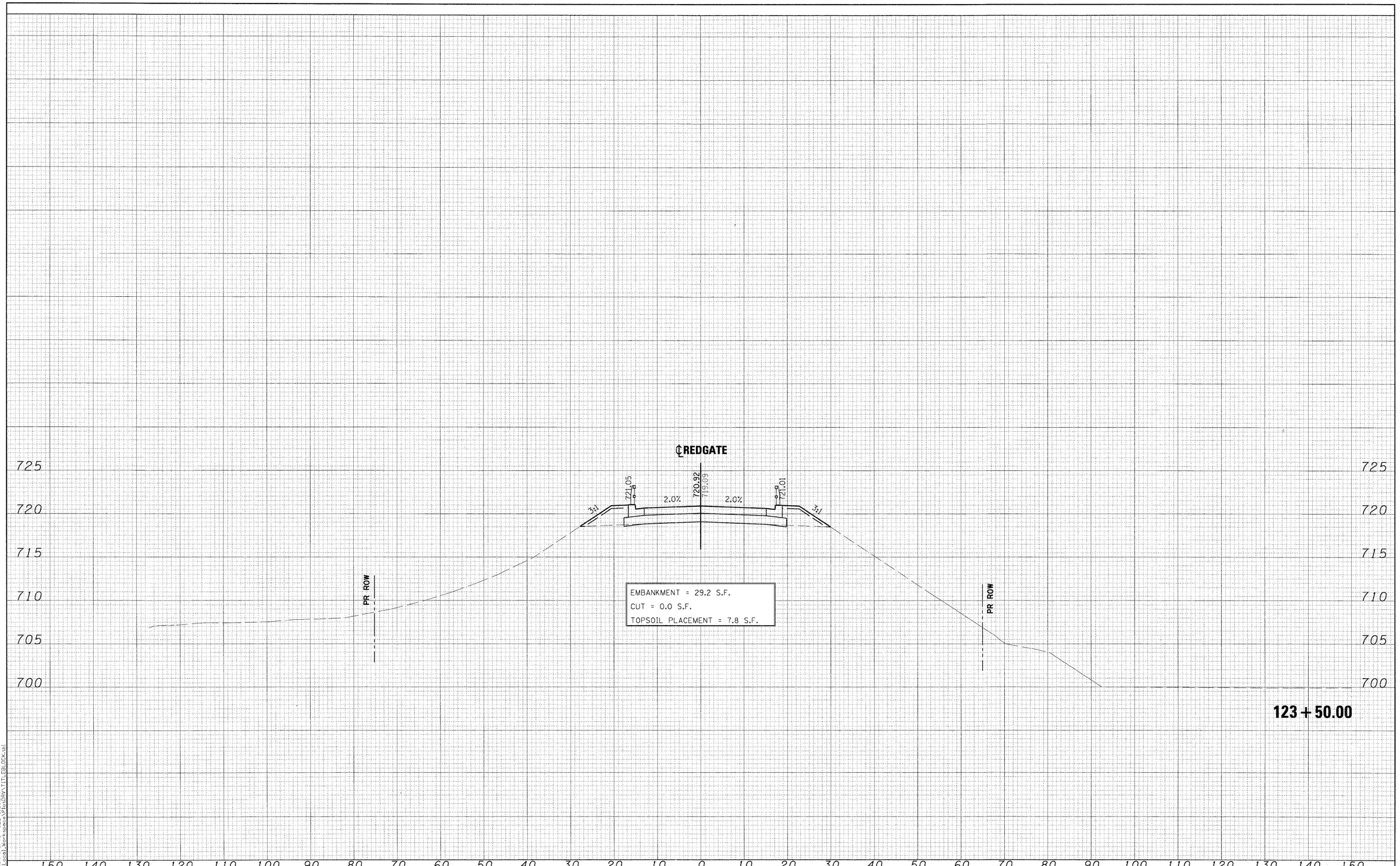
CITY OF ST. CHARLES

RED GATE ROAD
CROSS-SECTIONS

SCALE: | SHEET NO. 36 OF 54 SHEETS | STA. 123+00.00 | TO STA. 123+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	347
		CONTRACT NO. 63650		
	ILLINOIS	FED. AID PROJECT		

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



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

PLOT SCALE: 1:10
PLOT DATE: 11/9/2011
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PLOT DATE = 11/9/2011	CHECKED - RMT	REVISED -	
	DATE - 10/23/2011	REVISED -	

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ILLINOIS 1834

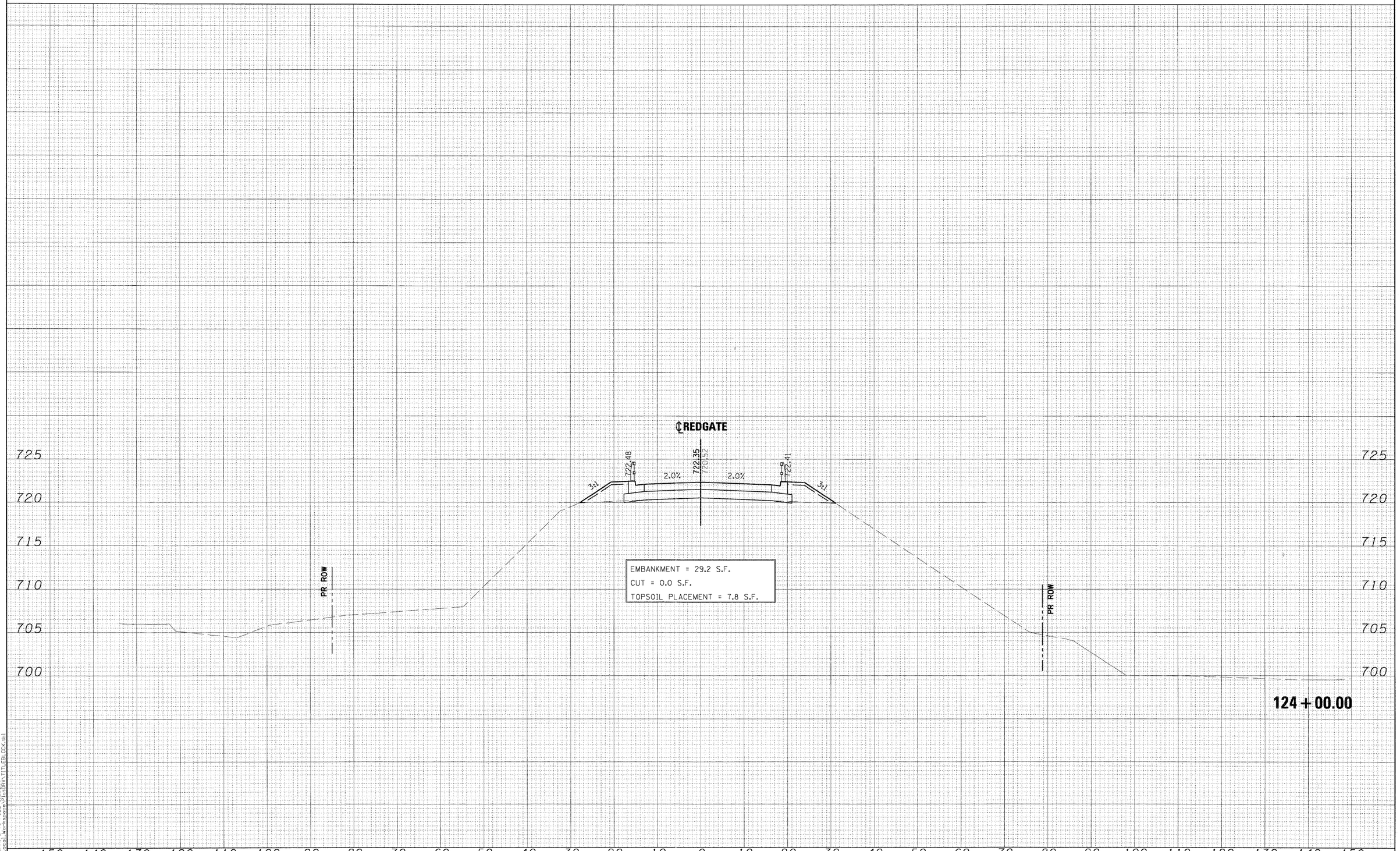
CITY OF ST. CHARLES

RED GATE ROAD
CROSS-SECTIONS

SCALE: | SHEET NO. 37 OF 54 SHEETS | STA. 123+50.00 | TO STA. 123+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	348
		CONTRACT NO. 63650		
	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		

PLOT SCALE= 1:1.0
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PLOT DATE = 11/9/2011	DATE - 10/23/2011	REVISED -

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ILLINOIS

CITY OF ST. CHARLES

RED GATE ROAD
CROSS-SECTIONS

SCALE: | SHEET NO. 38 OF 54 SHEETS | STA. 124+00.00 TO STA. 124+00.00

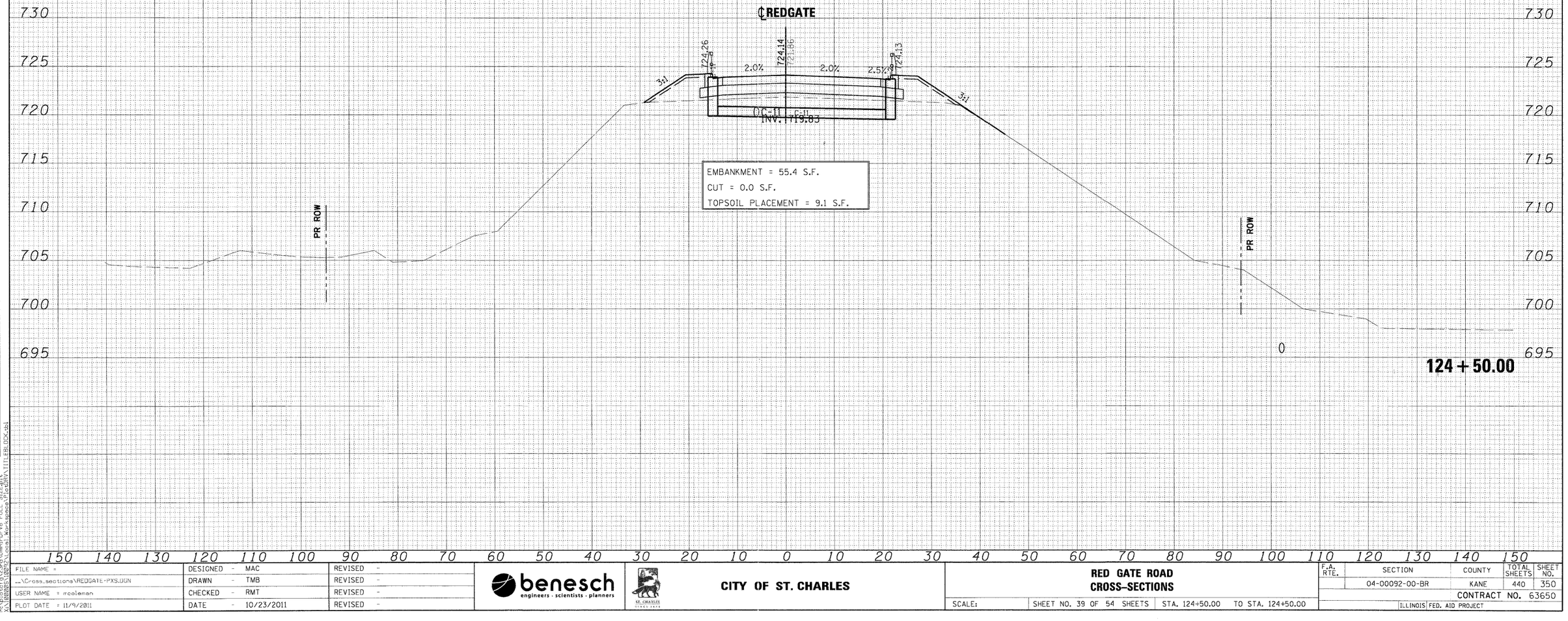
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	349
		CONTRACT NO. 63650		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY

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

ORIGINAL SURVEY

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



PLOT SCALE: 1:10
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	DRAWN - TMB	REVISED -	
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PLOT DATE = 11/9/2011	DATE - 10/23/2011	REVISED -	

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ST. CHARLES ILLINOIS

CITY OF ST. CHARLES

RED GATE ROAD
CROSS-SECTIONS

SCALE: | SHEET NO. 39 OF 54 SHEETS | STA. 124+50.00 | TO STA. 124+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	350
		CONTRACT NO. 63650		
	ILLINOIS	FED. AID PROJECT		

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

730

℄REDGATE

730

725

720

715

710

705

700

3:1 2.0% 2.0% 2.5% 3:1

724.30 724.18 724.17

721.68

PR ROW

PR ROW

124+51.12

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

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

PLOT SCALE=1:10
PLOT DATE = 11/9/2011
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M:\pipe\ENV\23-04\Dwng\PDF\V8 FULL SIZE.plt

FILE NAME = ...\Cross_sections\REDGATE-PXS.DGN	DESIGNED - MAC	REVISED -	
	DRAWN - TMB	REVISED -	
	CHECKED - RMT	REVISED -	
	DATE - 10/23/2011	REVISED -	

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ST. CHARLES ILLINOIS 1834

CITY OF ST. CHARLES

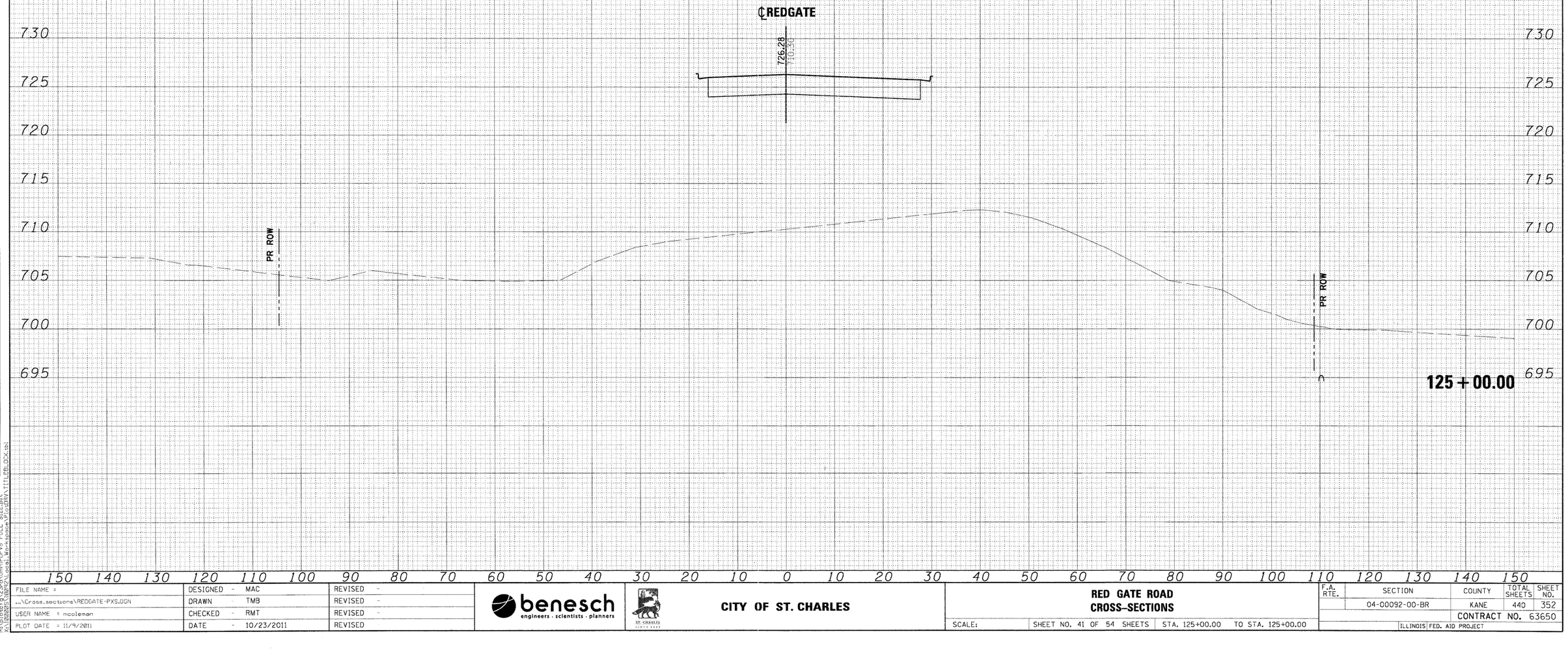
RED GATE ROAD
CROSS-SECTIONS

SCALE: | SHEET NO. 40 OF 54 SHEETS | STA. 124+51.12 | TO STA. 124+51.12

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	351

CONTRACT NO. 63650

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	

PLOT SCALE=1:10
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...\Cross_sections\REDGATE-PXS.DGN	DRAWN - TMB	REVISED -
USER NAME = mcoleman	CHECKED - RMT	REVISED -
PLOT DATE = 11/9/2011	DATE - 10/23/2011	REVISED

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ST. CHARLES
SINCE 1834

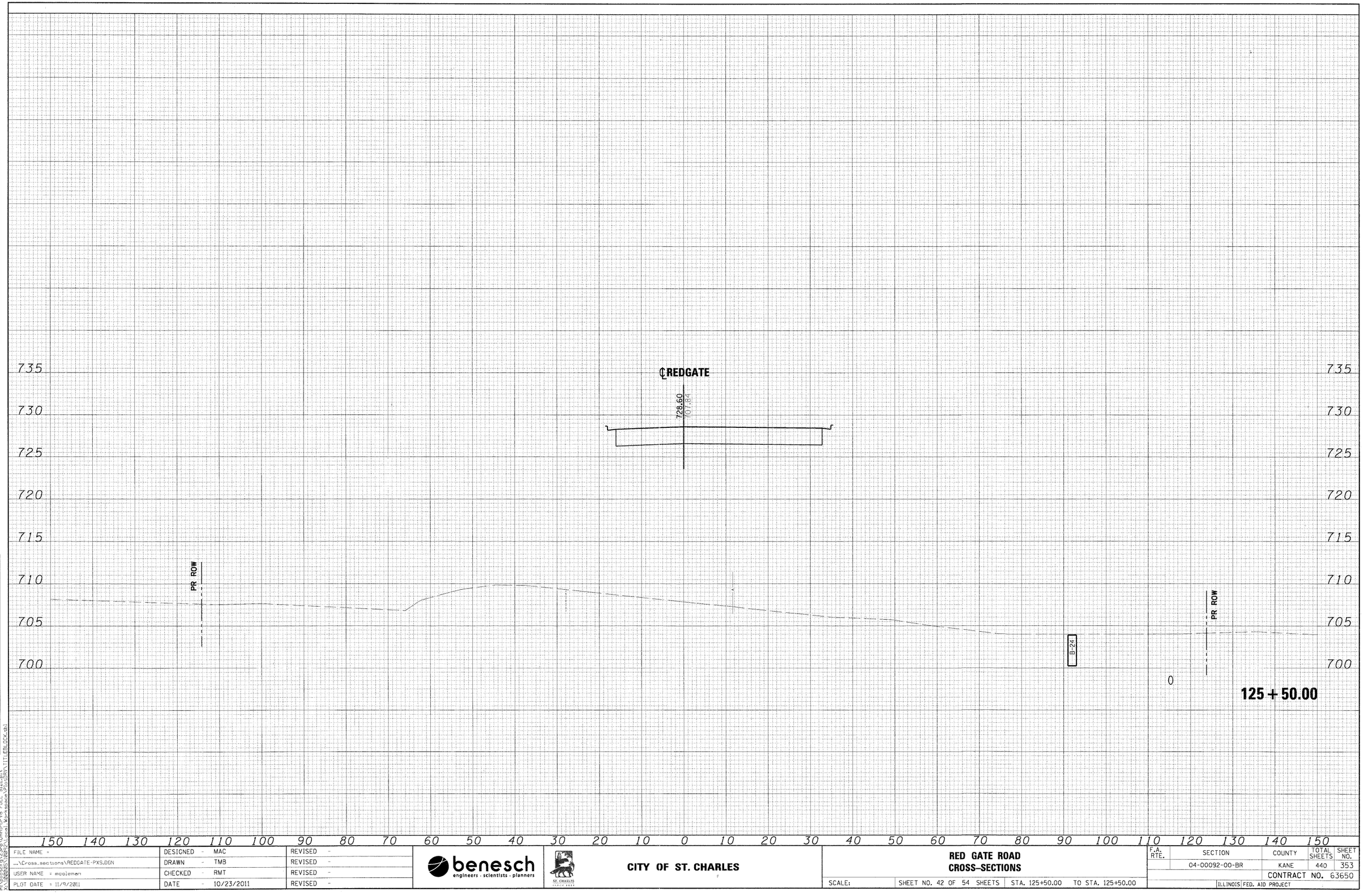
CITY OF ST. CHARLES

RED GATE ROAD
CROSS-SECTIONS

SCALE: | SHEET NO. 41 OF 54 SHEETS | STA. 125+00.00 TO STA. 125+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	352
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			

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



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

PLOT SCALE: 1:10
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PLOT DATE = 11/9/2011	CHECKED - RMT	REVISED -
	DATE - 10/23/2011	REVISED -

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ST. CHARLES
SINCE 1859

CITY OF ST. CHARLES

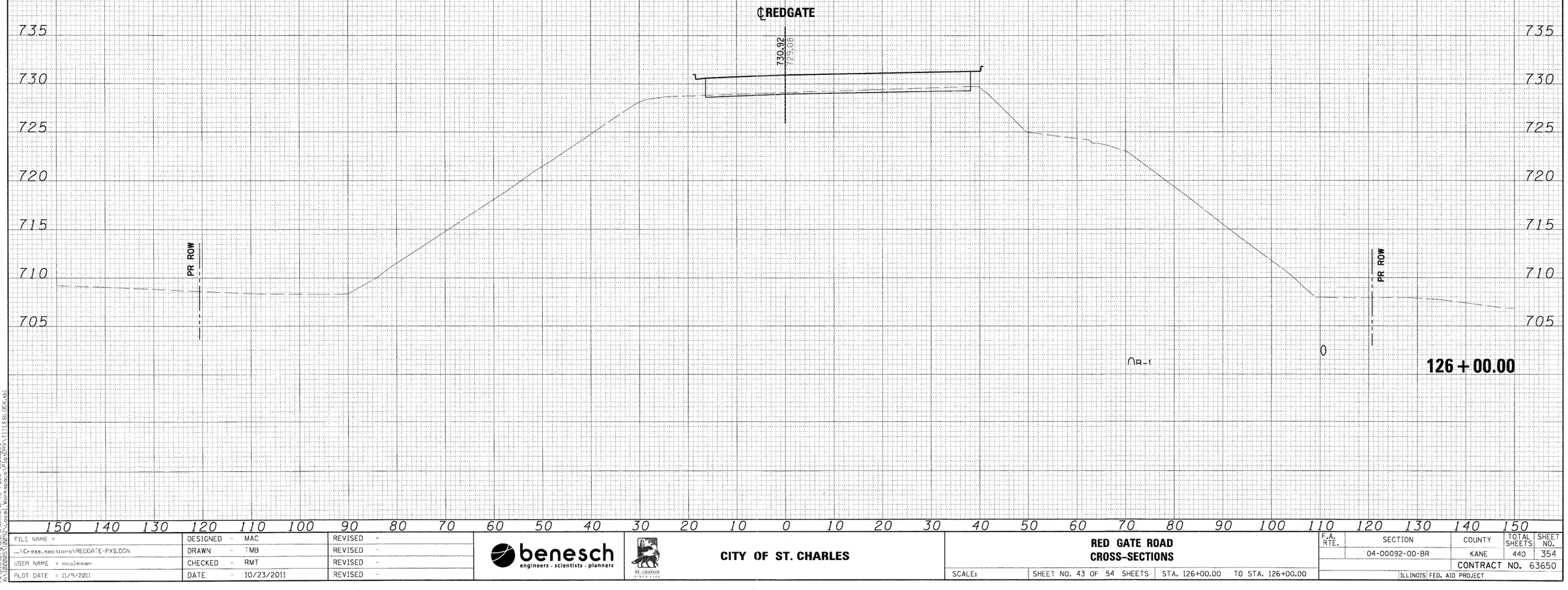
RED GATE ROAD
CROSS-SECTIONS

SCALE: | SHEET NO. 42 OF 54 SHEETS | STA. 125+50.00 | TO STA. 125+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	353
		CONTRACT NO. 63650		
	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		



PLOT SCALE: 1:10
PLOT DATE = 11/9/2011
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	DRAWN - TMB	REVISED -
USER NAME = mcoleman	CHECKED - RMT	REVISED -
PLOT DATE = 11/9/2011	DATE - 10/23/2011	REVISED -

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ST. CHARLES SINCE 1834

CITY OF ST. CHARLES

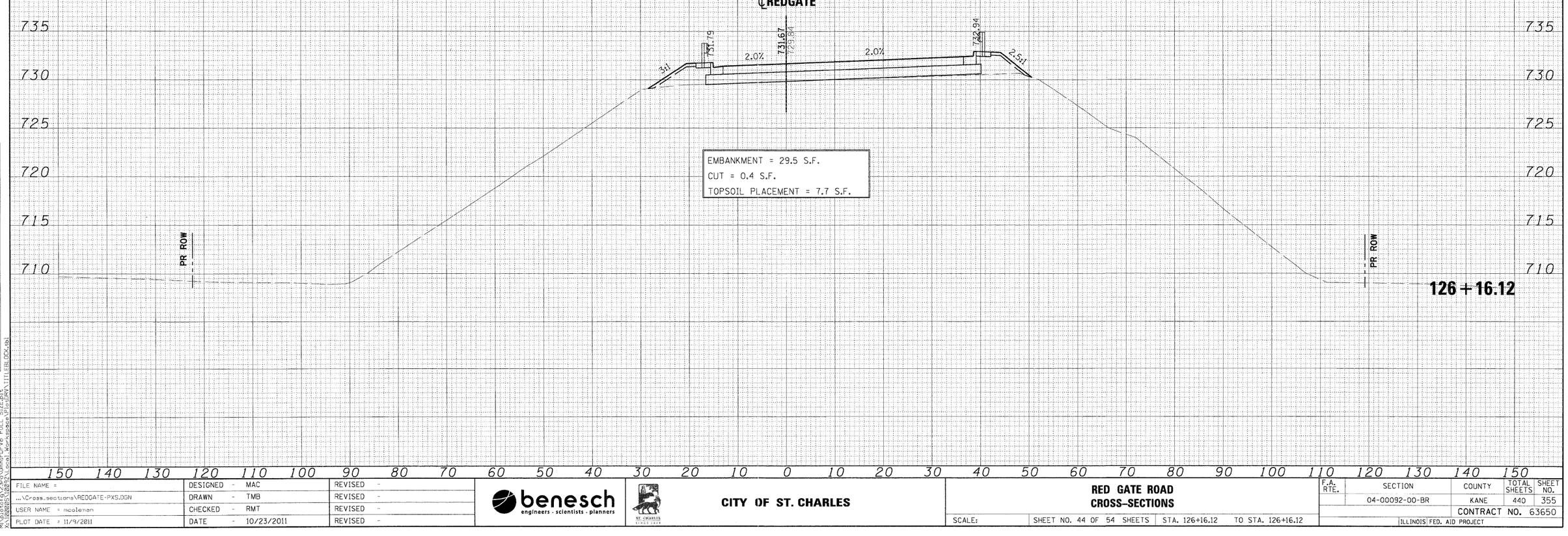
RED GATE ROAD
CROSS-SECTIONS

SCALE: | SHEET NO. 43 OF 54 SHEETS | STA. 126+00.00 | TO STA. 126+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	354
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			

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

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



FILE NAME = ...\Cross_sections\REDGATE-PXS.DGN	DESIGNED - MAC	REVISED -	
	DRAWN - TMB	REVISED -	
USER NAME = mcoleman	CHECKED - RMT	REVISED -	
PLOT DATE = 11/9/2011	DATE - 10/23/2011	REVISED -	

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CITY OF ST. CHARLES

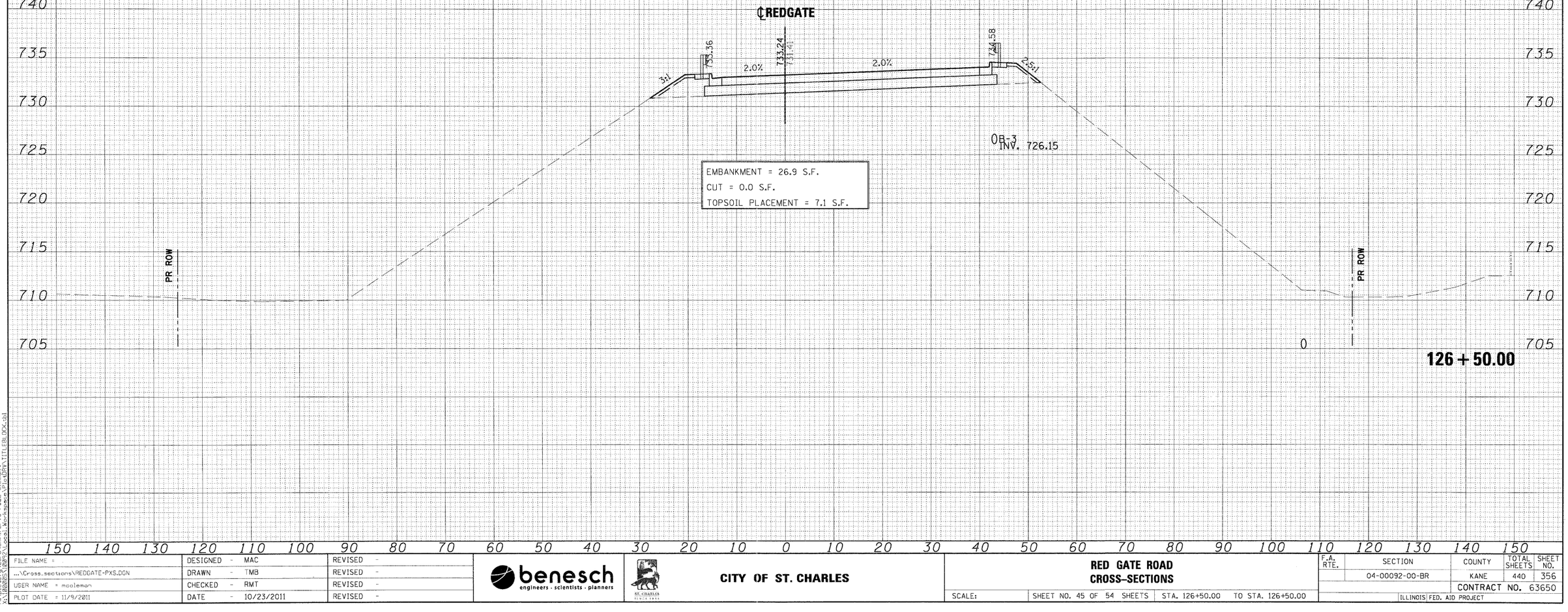
RED GATE ROAD
CROSS-SECTIONS

SCALE: | SHEET NO. 44 OF 54 SHEETS | STA. 126+16.12 | TO STA. 126+16.12

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	355
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			

PLOT SCALE: 1:40
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X:\1000S\1082\Layout Workspace\Plots\SRV\TITLEBLOCK.tbl

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



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

PLOT SCALE = 1:10
PLOT DATE = 11/9/2011
USER NAME = mcoleman
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X:\ENGDATA\Local Workspace\PlotDir\TITLEBLOCK.tbl

FILE NAME = ...\Cross_sections\REDGATE-PXS.DGN	DESIGNED - MAC	REVISED -
	DRAWN - TMB	REVISED -
	CHECKED - RMT	REVISED -
	DATE - 10/23/2011	REVISED -

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CITY OF ST. CHARLES

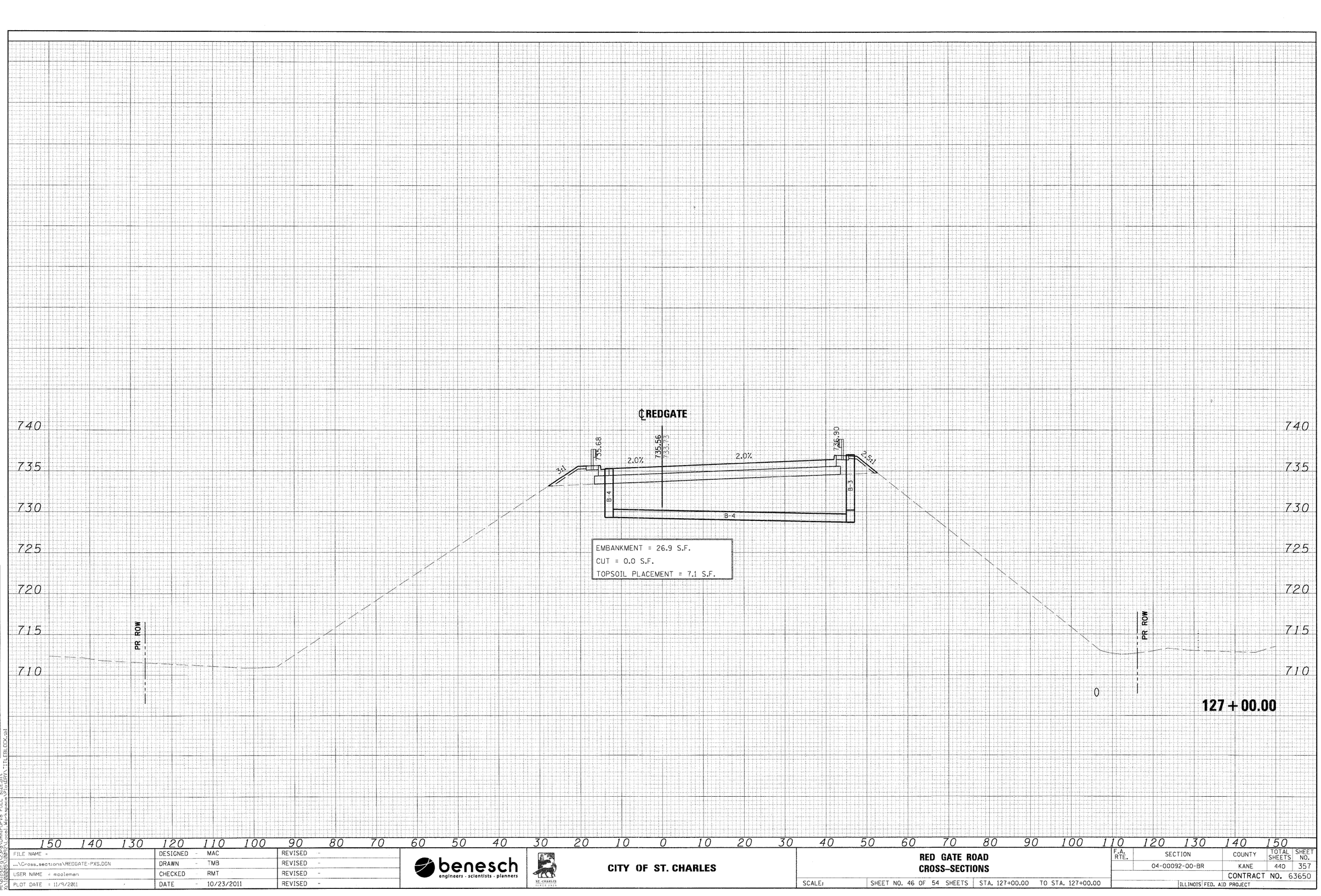
RED GATE ROAD
CROSS-SECTIONS

SCALE: | SHEET NO. 45 OF 54 SHEETS | STA. 126+50.00 TO STA. 126+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	356
		CONTRACT NO. 63650		
		ILLINOIS FED. AID PROJECT		

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

740



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

PLOT SCALE=1/8
M:\civil\d12\d12d10mmPDFV8 FULL SIZE.plt
X:\12000S\12092\Local Workspace\Plots\DRAV-TITLEBLOCK.dgl

FILE NAME = ...\Cross_sections\REDGATE-PXS.DGN	DESIGNED - MAC	REVISED -	benesch engineers · scientists · planners
	DRAWN - TMB	REVISED -	
USER NAME = mcoleman	CHECKED - RMT	REVISED -	
PLOT DATE = 11/9/2011	DATE - 10/23/2011	REVISED -	

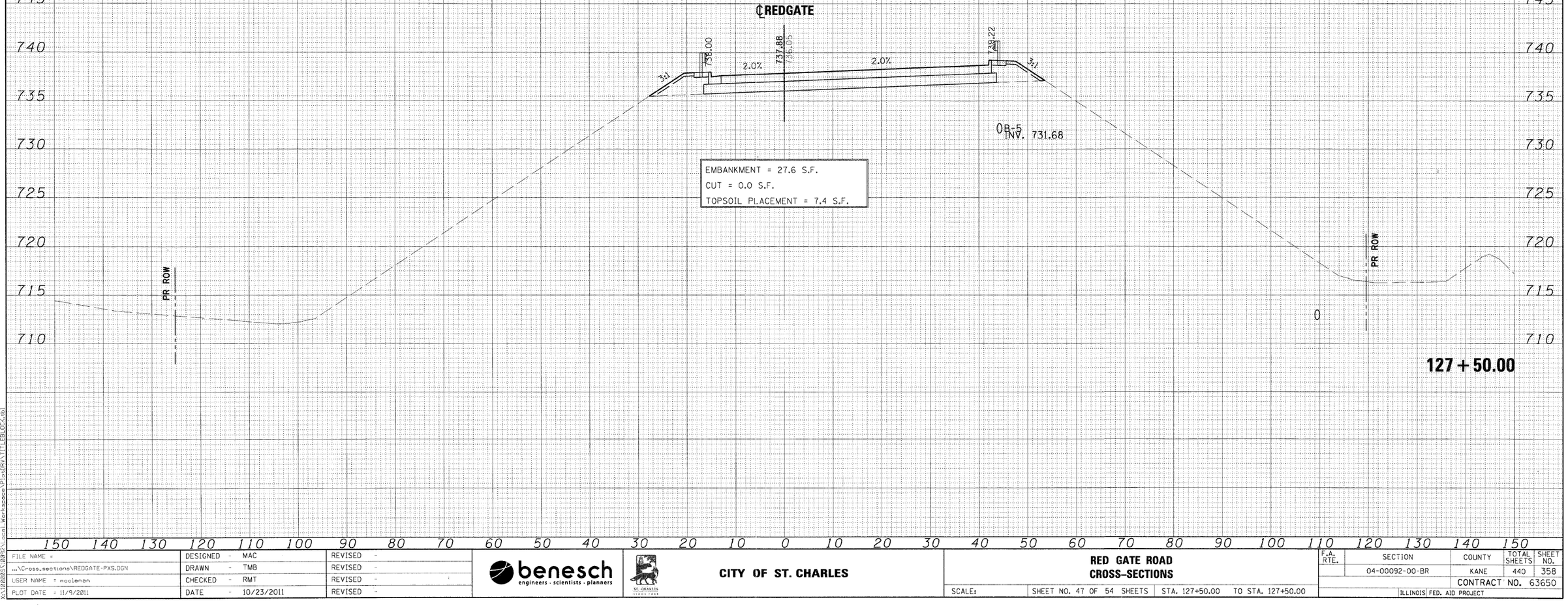
CITY OF ST. CHARLES

RED GATE ROAD
CROSS-SECTIONS

SCALE: | SHEET NO. 46 OF 54 SHEETS | STA. 127+00.00 TO STA. 127+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	357
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			

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



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

PLOT SCALE: 1:10
PLOT DATE: 11/9/2011
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X:\120035\08PS\Local Workspace\Plotdrv\TITLEBLOCK.tbl

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USER NAME = mcoleman	DRAWN - TMB	REVISED -	
PLOT DATE = 11/9/2011	CHECKED - RMT	REVISED -	
	DATE - 10/23/2011	REVISED -	

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ST. CHARLES
since 1834

CITY OF ST. CHARLES

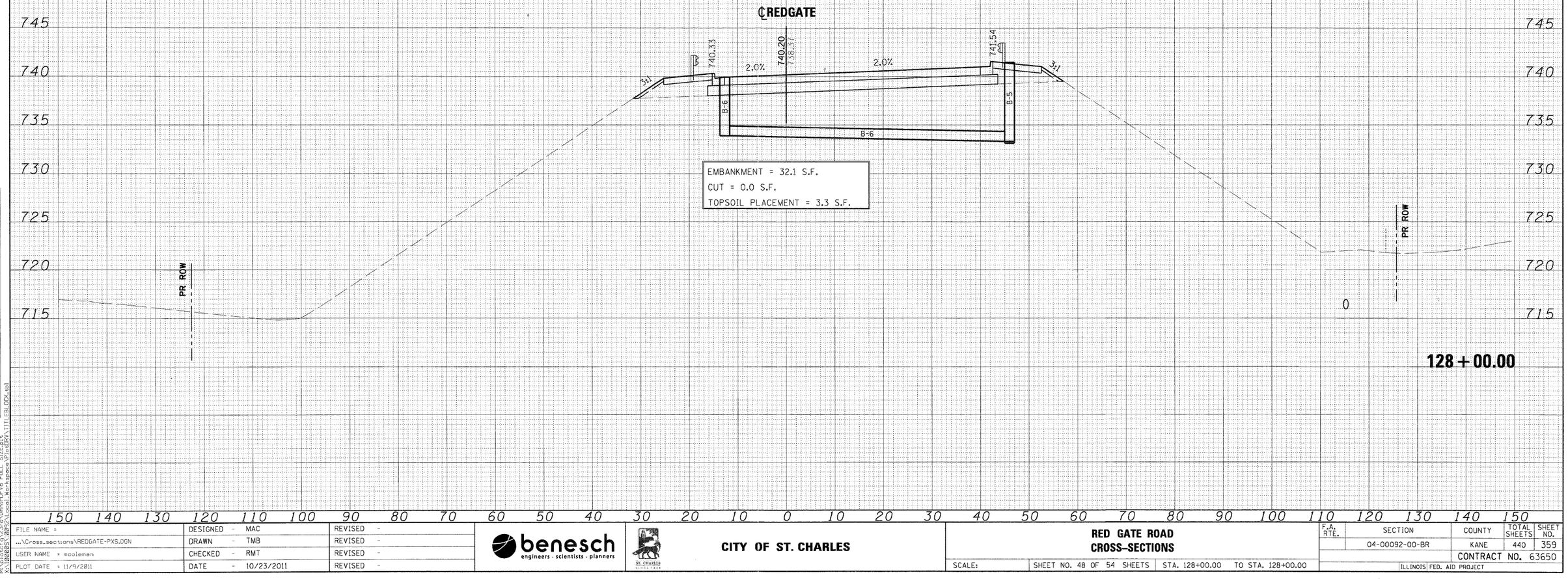
RED GATE ROAD
CROSS-SECTIONS

SCALE: | SHEET NO. 47 OF 54 SHEETS | STA. 127+50.00 | TO STA. 127+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	358
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			

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

745



EMBANKMENT = 32.1 S.F.
CUT = 0.0 S.F.
TOPSOIL PLACEMENT = 3.3 S.F.

128+00.00

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

PLOT SCALE=1:10
PLOT DATE = 11/9/2011
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M:\1200851 Redgate\Local Workspace\Plotdata\V11\TITLEBLOCK.tbl

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	DRAWN - TMB	REVISED -	
USER NAME = mcolemen	CHECKED - RMT	REVISED -	
PLOT DATE = 11/9/2011	DATE - 10/23/2011	REVISED -	

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CITY OF ST. CHARLES

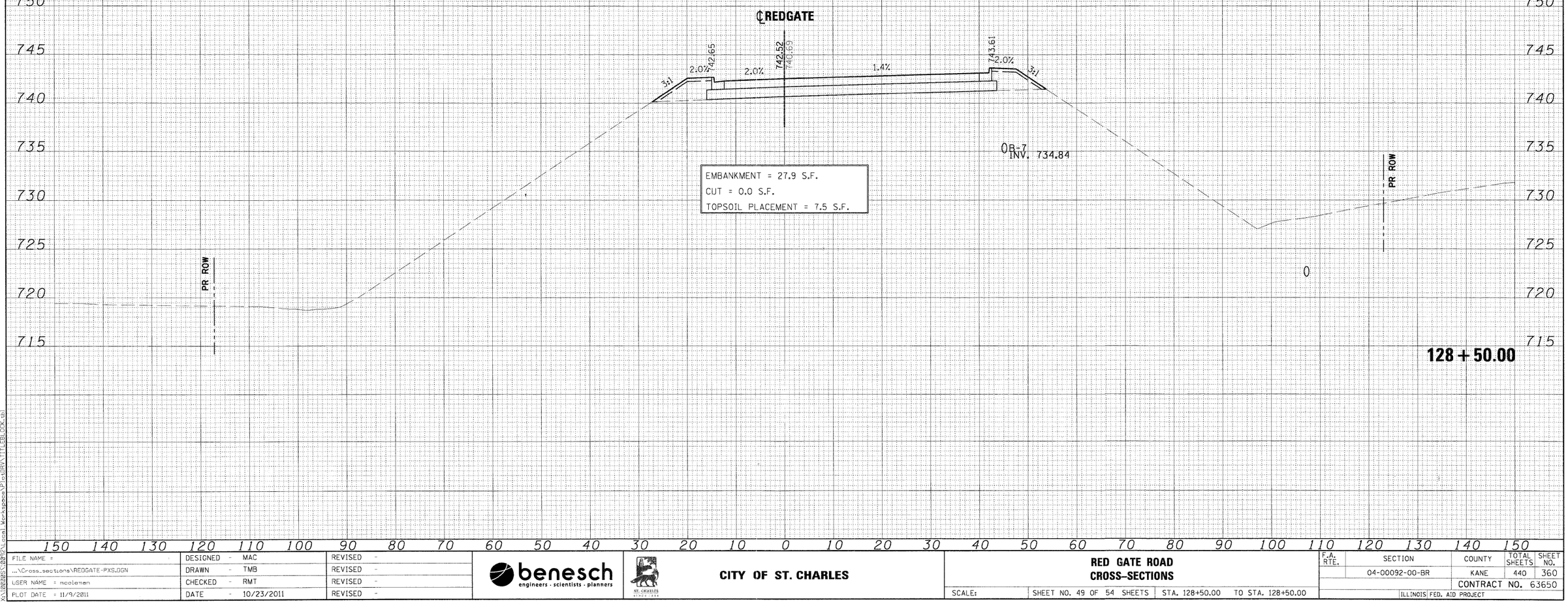
RED GATE ROAD
CROSS-SECTIONS

SCALE: | SHEET NO. 48 OF 54 SHEETS | STA. 128+00.00 TO STA. 128+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	359
		CONTRACT NO. 63650		
	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	



PLOT SCALE 1:8
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USER NAME = mcoleman
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X:\080205\0852\Local Workspace\Plots\BRA\TITLEBLOCK.tbl

DESIGNED - MAC	DRAWN - TMB	CHECKED - RMT
REVISED -	REVISED -	REVISED -
DATE - 10/23/2011		

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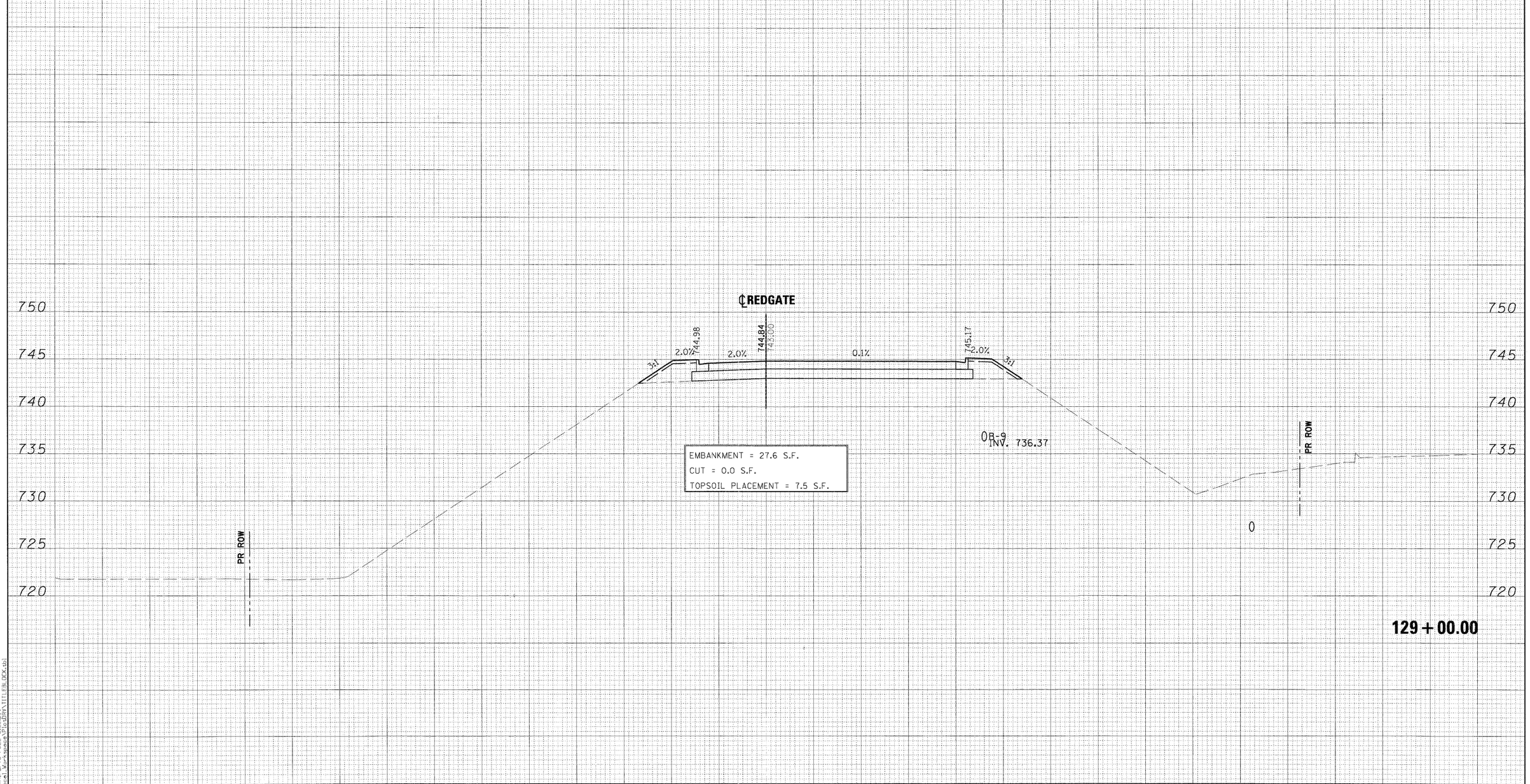
CITY OF ST. CHARLES

RED GATE ROAD
CROSS-SECTIONS

SCALE: | SHEET NO. 49 OF 54 SHEETS | STA. 128+50.00 TO STA. 128+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	360
		CONTRACT NO. 63650		
	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 = 11/9/2011
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PLOT DATE = 11/9/2011	CHECKED - RMT	REVISED -
	DATE - 10/23/2011	REVISED -

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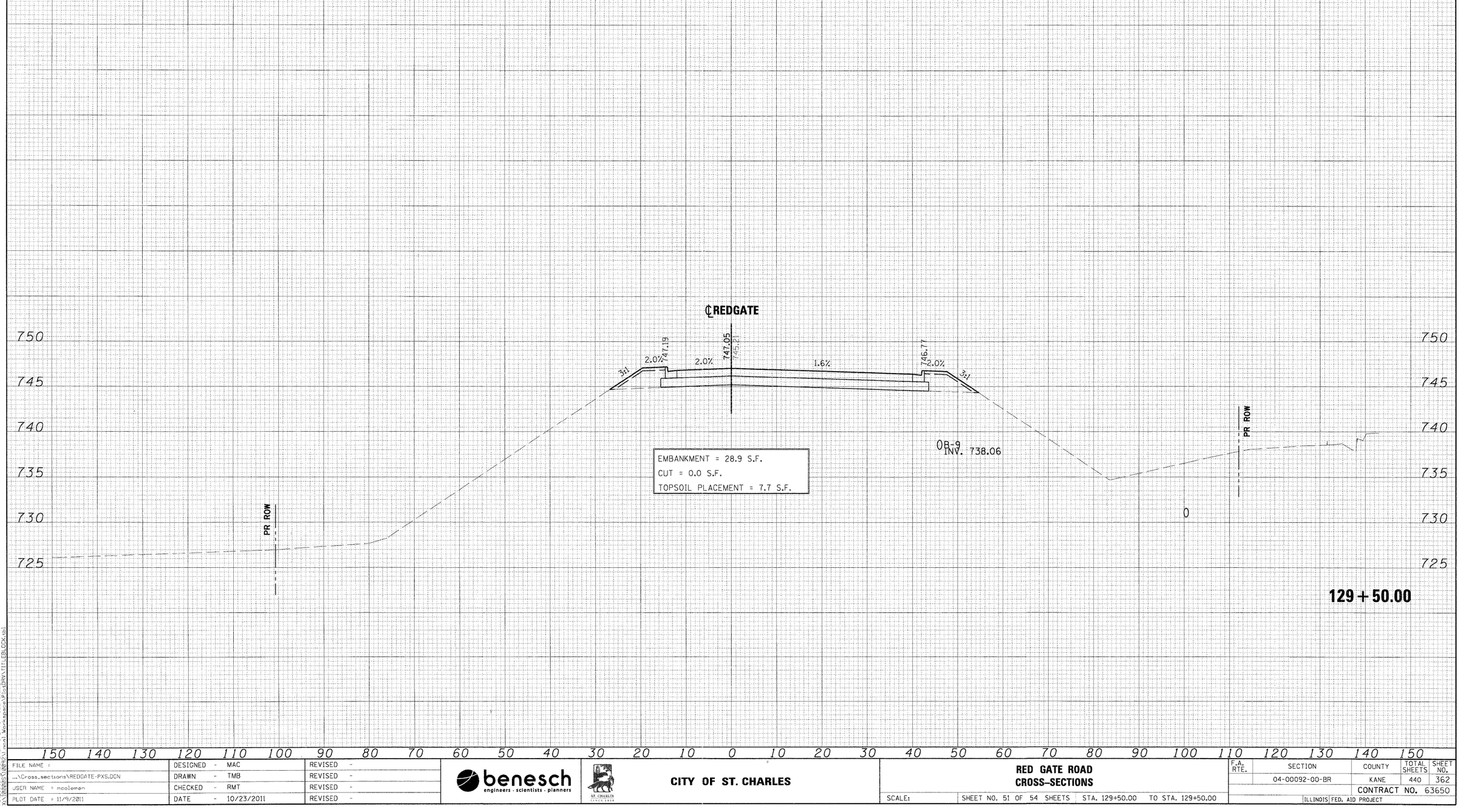
CITY OF ST. CHARLES

RED GATE ROAD
CROSS-SECTIONS

SCALE: | SHEET NO. 50 OF 54 SHEETS | STA. 129+00.00 TO STA. 129+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	361
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			

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



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

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PLOT DATE = 11/9/2011	DATE - 10/23/2011	REVISED -

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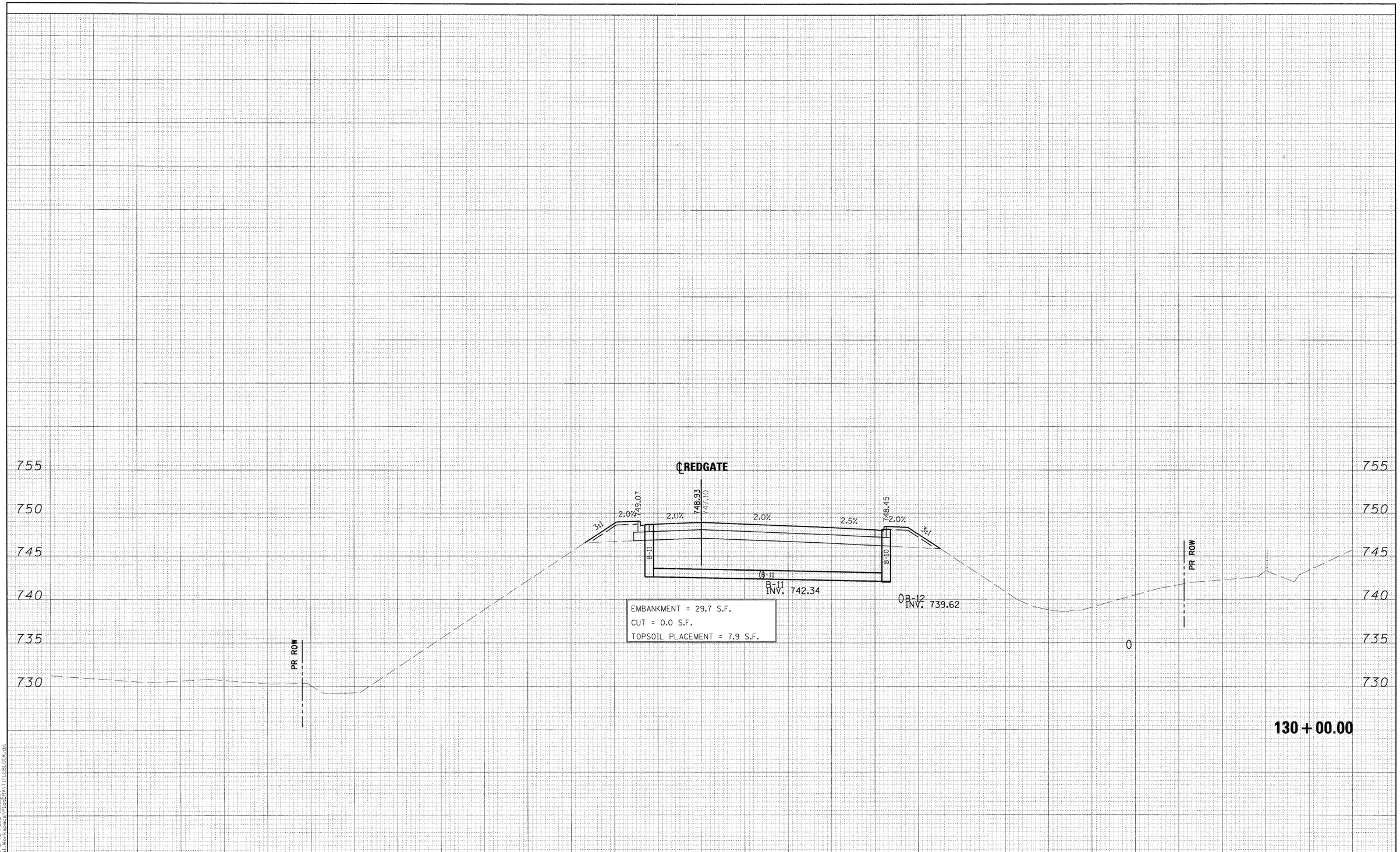
CITY OF ST. CHARLES

RED GATE ROAD
CROSS-SECTIONS

SCALE: | SHEET NO. 51 OF 54 SHEETS | STA. 129+50.00 TO STA. 129+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	362
		CONTRACT NO. 63650		
	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=11/9/2011
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	DRAWN - TMB	REVISED -
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PLOT DATE = 11/9/2011	DATE - 10/23/2011	REVISED -

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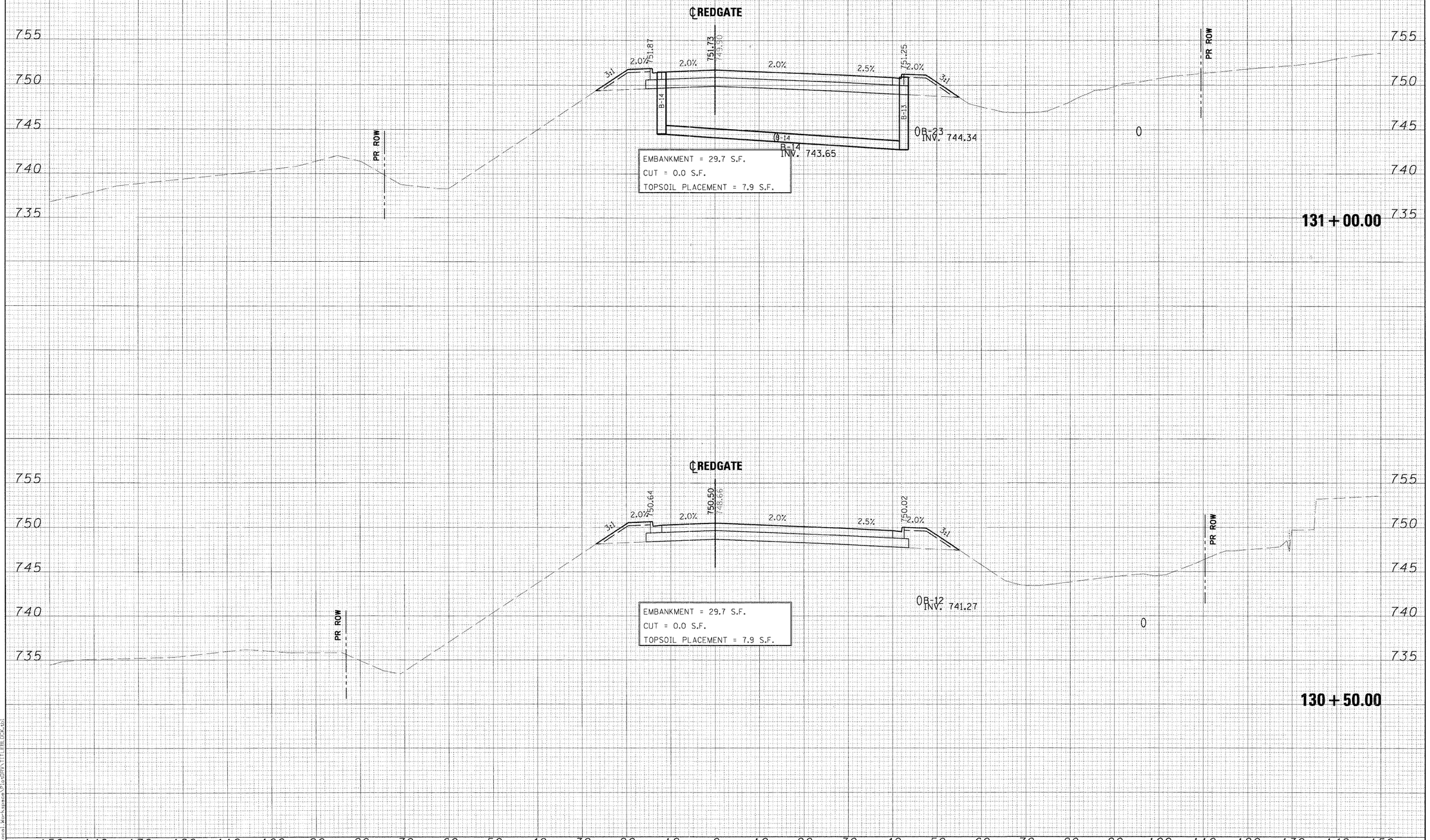
ST. CHARLES ILLINOIS 1834

CITY OF ST. CHARLES

RED GATE ROAD
CROSS-SECTIONS

SCALE: | SHEET NO. 52 OF 54 SHEETS | STA. 130+00.00 TO STA. 130+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	363
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			



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

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PLOT DATE = 11/9/2011	DATE - 10/23/2011	REVISED -	

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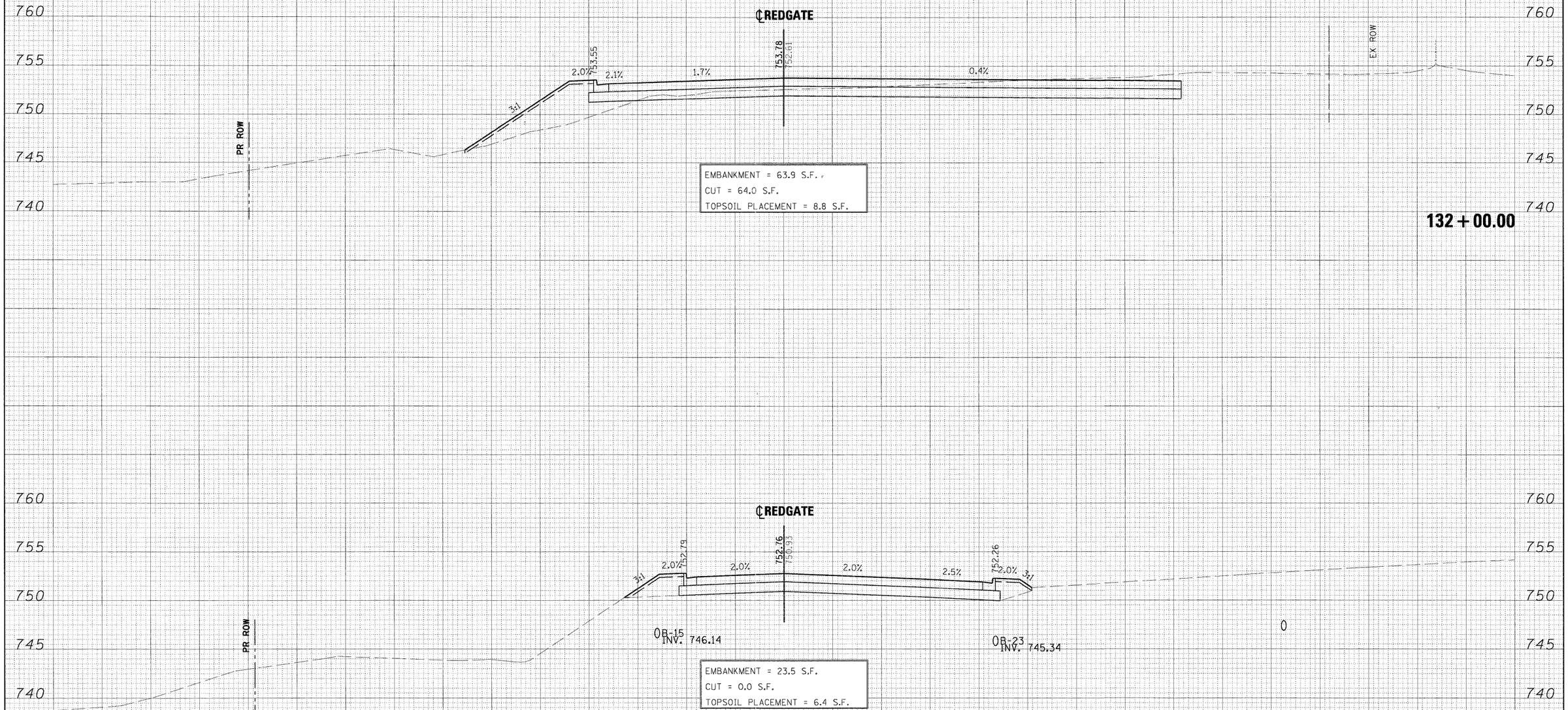
ST. CHARLES SINCE 1834

CITY OF ST. CHARLES

RED GATE ROAD
CROSS-SECTIONS

SCALE: | SHEET NO. 53 OF 54 SHEETS | STA. 130+50.00 TO STA. 131+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	364
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			



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PLOT DATE = 11/9/2011	DATE - 10/23/2011	REVISED -	

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CITY OF ST. CHARLES

RED GATE ROAD
CROSS-SECTIONS

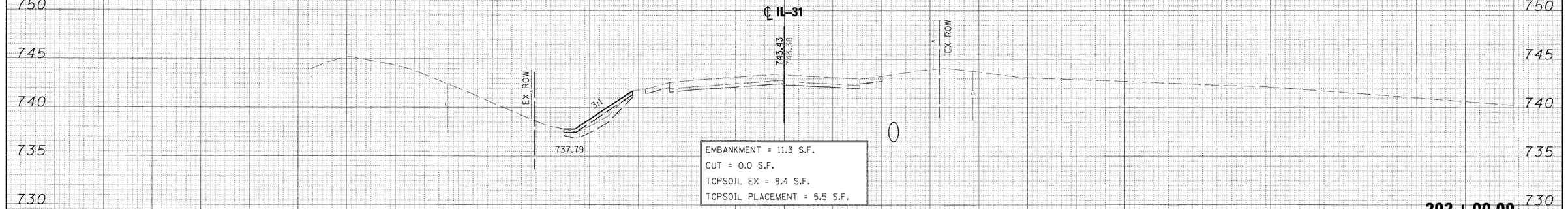
SCALE: | SHEET NO. 54 OF 54 SHEETS | STA. 131+50.00 | TO STA. 132+00.00

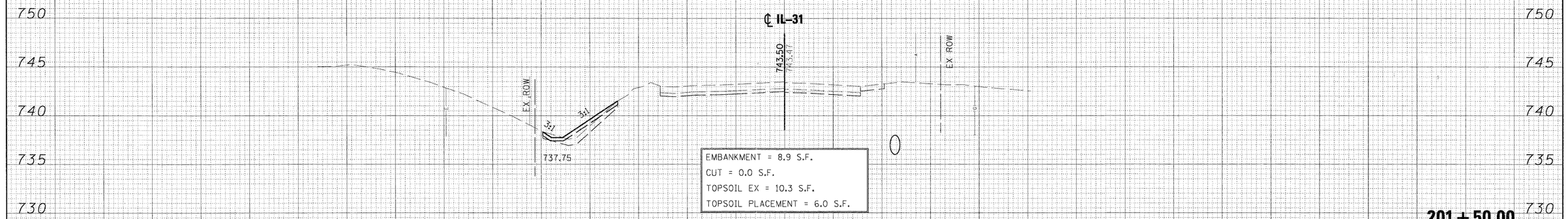
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	365
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			

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

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

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	DRAWN - TMB	REVISED -
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PLOT DATE = 11/18/2011	DATE - 10/23/2011	REVISED -

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CITY OF ST. CHARLES

IL 31
CROSS-SECTIONS

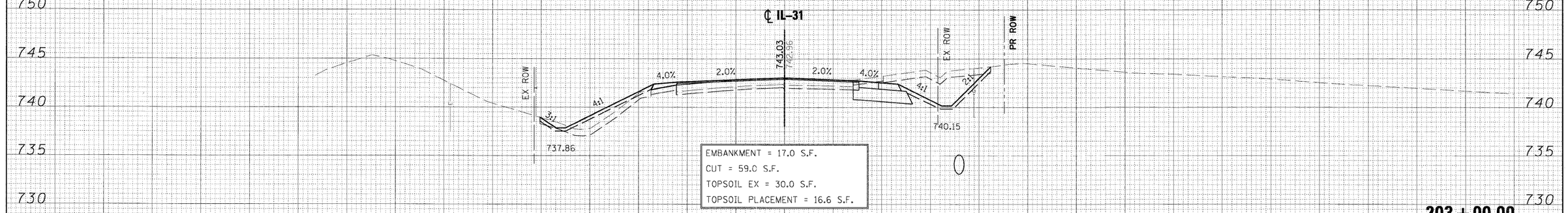
SCALE: | SHEET NO. 1 OF 19 SHEETS | STA. 201+50.00 TO STA. 202+00.00

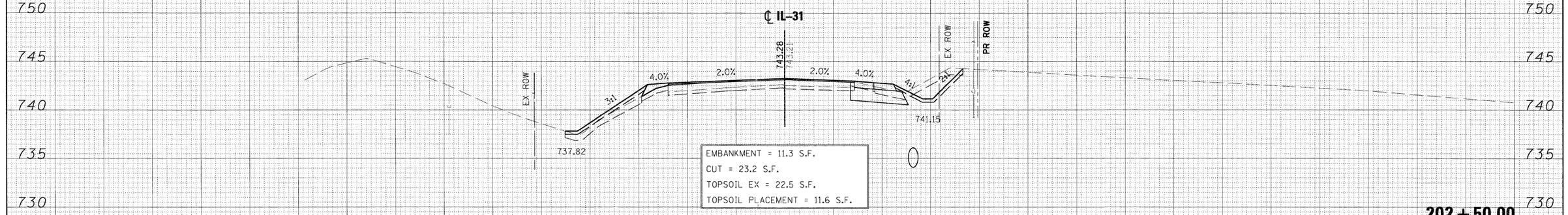
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	366
		CONTRACT NO. 63650		
	ILLINOIS	FED. AID PROJECT		

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

PLOT SCALE=1:10
M:\projects\2ge\dms\PDFV8 FULL SIZE.plt
XA\(2005\1009\Local Workspace\Plots\DRAWING FILE LEBLOCK.tbl





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
SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED

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

PLOT SCALE=1:8
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X:\1800815\1049\Local_Workspace\Plotdrv\TITLEBLOCK.tbl

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PLOT DATE = 11/18/2011	CHECKED - RMT	REVISED -	
	DATE - 10/23/2011	REVISED -	

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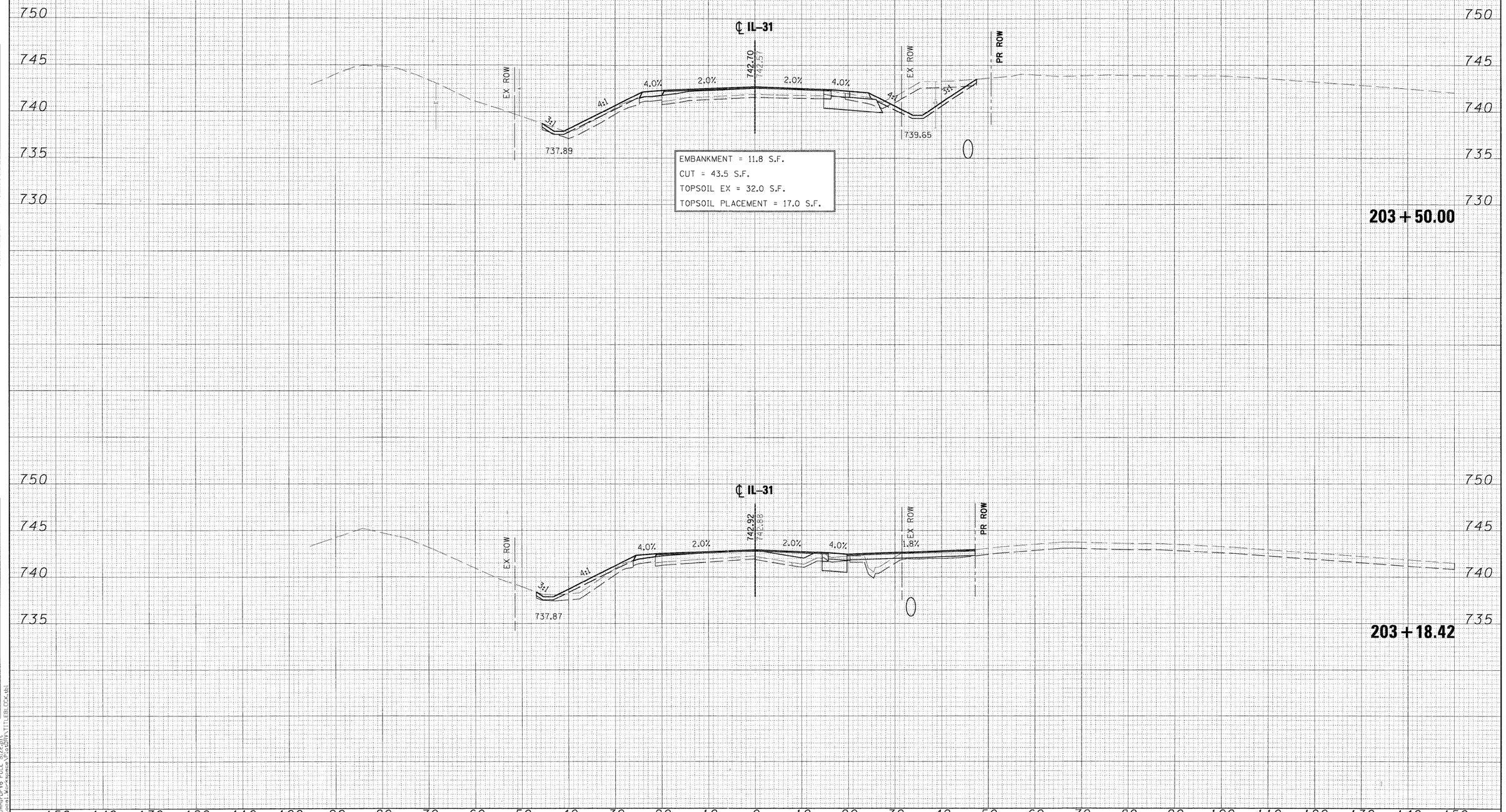
ST. CHARLES ILLINOIS 1834

CITY OF ST. CHARLES

IL 31
CROSS-SECTIONS

SCALE: | SHEET NO. 2 OF 19 SHEETS | STA. 202+50.00 TO STA. 203+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	367
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			



203 + 50.00

203 + 18.42

FILE NAME = ...\Cross_sections\IL31-pxs.dgn	DESIGNED - MAC	REVISED -	
	DRAWN - TMB	REVISED -	
USER NAME = mcoleman	CHECKED - RMT	REVISED -	
PLOT DATE = 11/18/2011	DATE - 10/23/2011	REVISED -	

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ST. CHARLES SINCE 1834

CITY OF ST. CHARLES

IL 31
CROSS-SECTIONS

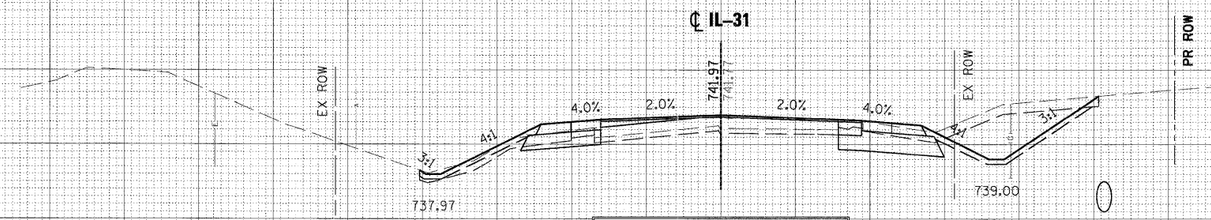
SCALE: | SHEET NO. 3 OF 19 SHEETS | STA. 203+18.42 TO STA. 203+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	368
		CONTRACT NO. 63650		
		ILLINOIS FED. AID PROJECT		

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

ORIGINAL SURVEY — NOTE BOOK — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

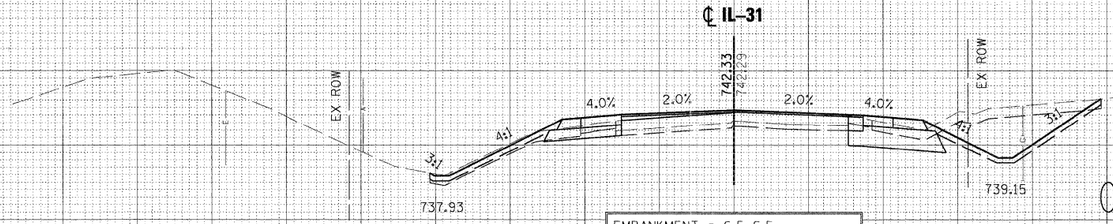
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X:\UD0005\UD072\Local Workspace\Plotdir\TITLEBLOCK.dgn



EMBANKMENT = 4.5 S.F.
CUT = 59.2 S.F.
TOPSOIL EX = 34.7 S.F.
TOPSOIL PLACEMENT = 15.1 S.F.

745 740 735 730

204 + 50.00



EMBANKMENT = 6.5 S.F.
CUT = 54.4 S.F.
TOPSOIL EX = 35.1 S.F.
TOPSOIL PLACEMENT = 15.7 S.F.

745 740 735 730

204 + 00.00

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

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CITY OF ST. CHARLES

IL 31
CROSS-SECTIONS

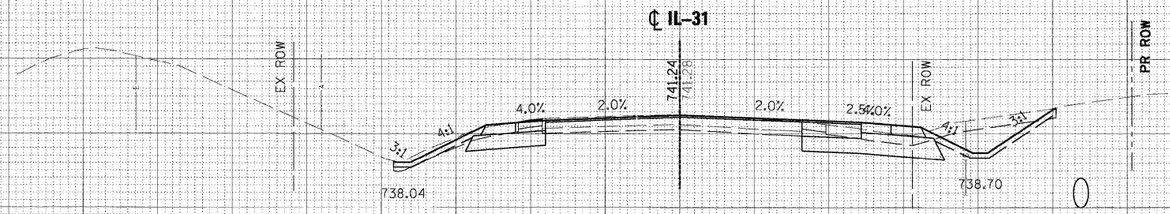
SCALE: | SHEET NO. 4 OF 19 SHEETS | STA. 204+00.00 TO STA. 204+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	369
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			

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

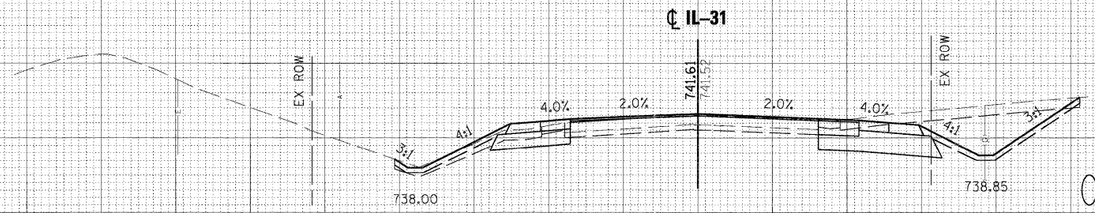
ORIGINAL SURVEY NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED

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X:\1800DS\1200R2\Local Workspace\PlotDir\111LEDLPK.tbl



EMBANKMENT = 1.2 S.F.
CUT = 54.4 S.F.
TOPSOIL EX = 31.7 S.F.
TOPSOIL PLACEMENT = 11.4 S.F.

205 + 50.00



EMBANKMENT = 3.9 S.F.
CUT = 73.0 S.F.
TOPSOIL EX = 34.6 S.F.
TOPSOIL PLACEMENT = 14.3 S.F.

205 + 00.00

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

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

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	DRAWN - TMB	REVISED -
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PLOT DATE = 11/10/2011	DATE - 10/23/2011	REVISED -

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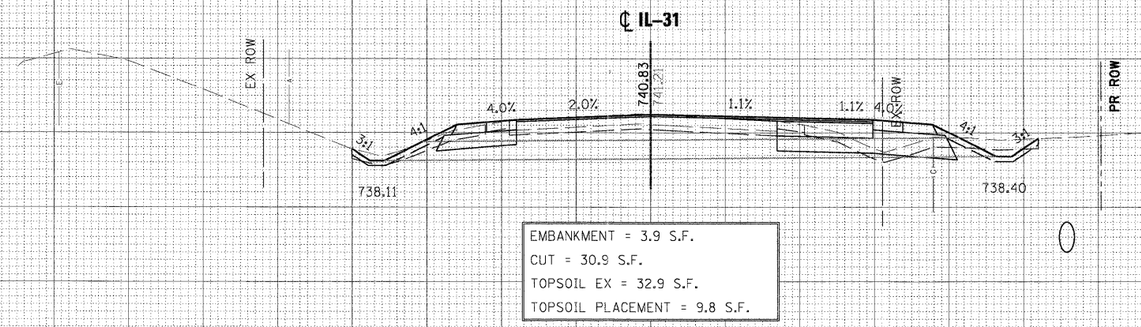
ST. CHARLES ILLINOIS

CITY OF ST. CHARLES

IL 31
CROSS-SECTIONS

SCALE: | SHEET NO. 5 OF 19 SHEETS | STA. 205+00.00 TO STA. 205+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	370
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			



EMBANKMENT = 3.9 S.F.
CUT = 30.9 S.F.
TOPSOIL EX = 32.9 S.F.
TOPSOIL PLACEMENT = 9.8 S.F.

206 + 50.00



EMBANKMENT = 0.2 S.F.
CUT = 51.2 S.F.
TOPSOIL EX = 30.9 S.F.
TOPSOIL PLACEMENT = 9.9 S.F.

206 + 00.00

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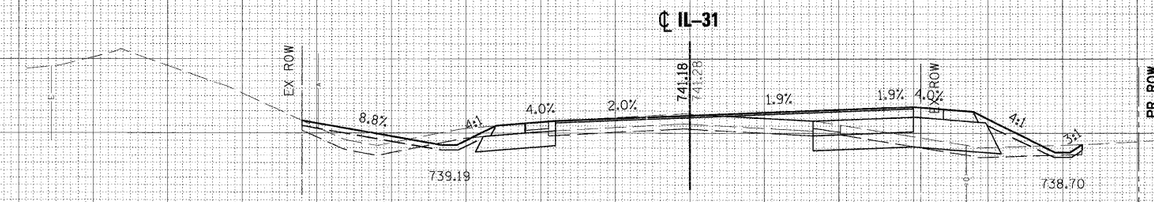
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PLOT DATE = 11/10/2011	CHECKED - RMT	REVISED -	IL 31 CROSS-SECTIONS
	DATE - 10/23/2011	REVISED -	SCALE: SHEET NO. 6 OF 19 SHEETS STA. 206+00.00 TO STA. 206+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	371
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			

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

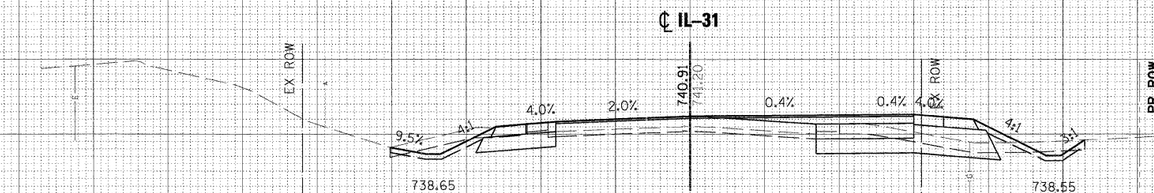
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EMBANKMENT = 21.7 S.F.
CUT = 29.6 S.F.
TOPSOIL EX = 41.5 S.F.
TOPSOIL PLACEMENT = 14.7 S.F.

207 + 50.00



EMBANKMENT = 2.4 S.F.
CUT = 44.5 S.F.
TOPSOIL EX = 32.4 S.F.
TOPSOIL PLACEMENT = 10.9 S.F.

207 + 00.00

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FILE NAME = ...\Cross_sections\IL31-pxs.dgn	DESIGNED - MAC	REVISED -
	DRAWN - TMB	REVISED -
USER NAME = mcoleman	CHECKED - RMT	REVISED -
PLOT DATE = 11/10/2011	DATE - 10/23/2011	REVISED -

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ST. CHARLES

CITY OF ST. CHARLES

IL 31
CROSS-SECTIONS

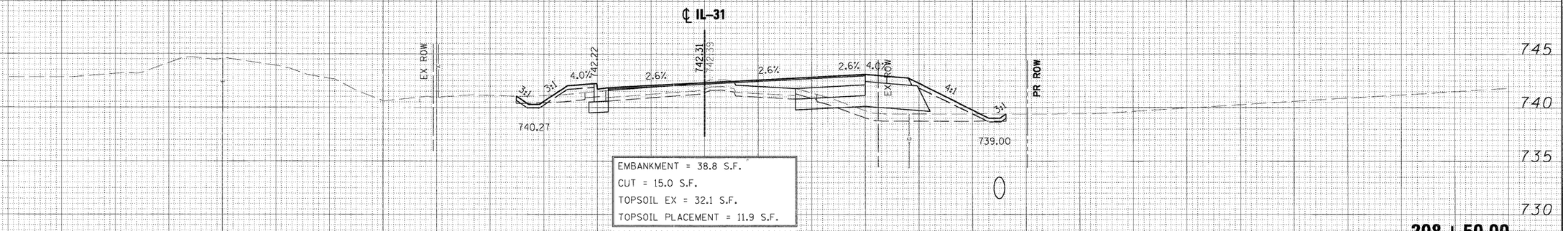
SCALE: | SHEET NO. 7 OF 19 SHEETS | STA. 207+00.00 TO STA. 207+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	372
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			

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

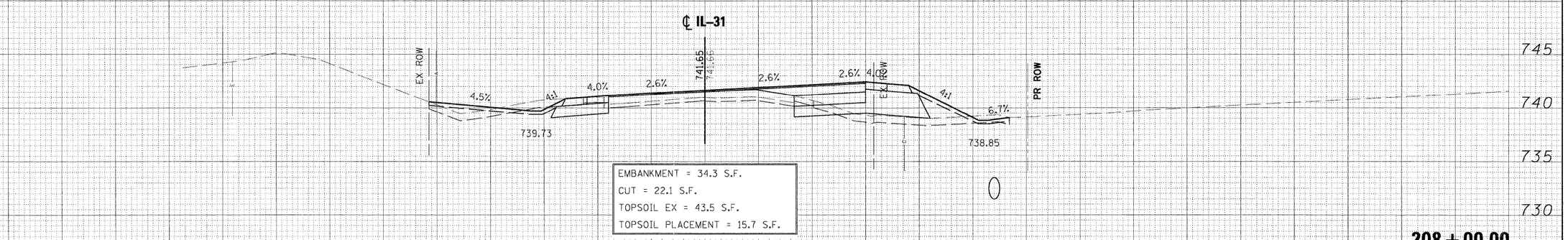
ORIGINAL SURVEY	BY	DATE
NOTE BOOK	SURVEYED	
NO.	PLOTTED	
	TEMPLATE	
	AREAS	
	AREAS CHECKED	

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EMBANKMENT = 38.8 S.F.
CUT = 15.0 S.F.
TOPSOIL EX = 32.1 S.F.
TOPSOIL PLACEMENT = 11.9 S.F.

208 + 50.00



EMBANKMENT = 34.3 S.F.
CUT = 22.1 S.F.
TOPSOIL EX = 43.5 S.F.
TOPSOIL PLACEMENT = 15.7 S.F.

208 + 00.00

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

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PLOT DATE = 11/18/2011	DATE - 10/23/2011	REVISED -	

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ST. CHARLES
SINCE 1834

CITY OF ST. CHARLES

IL 31
CROSS-SECTIONS

SCALE: | SHEET NO. 8 OF 19 SHEETS | STA. 208+00.00 TO STA. 208+50.00

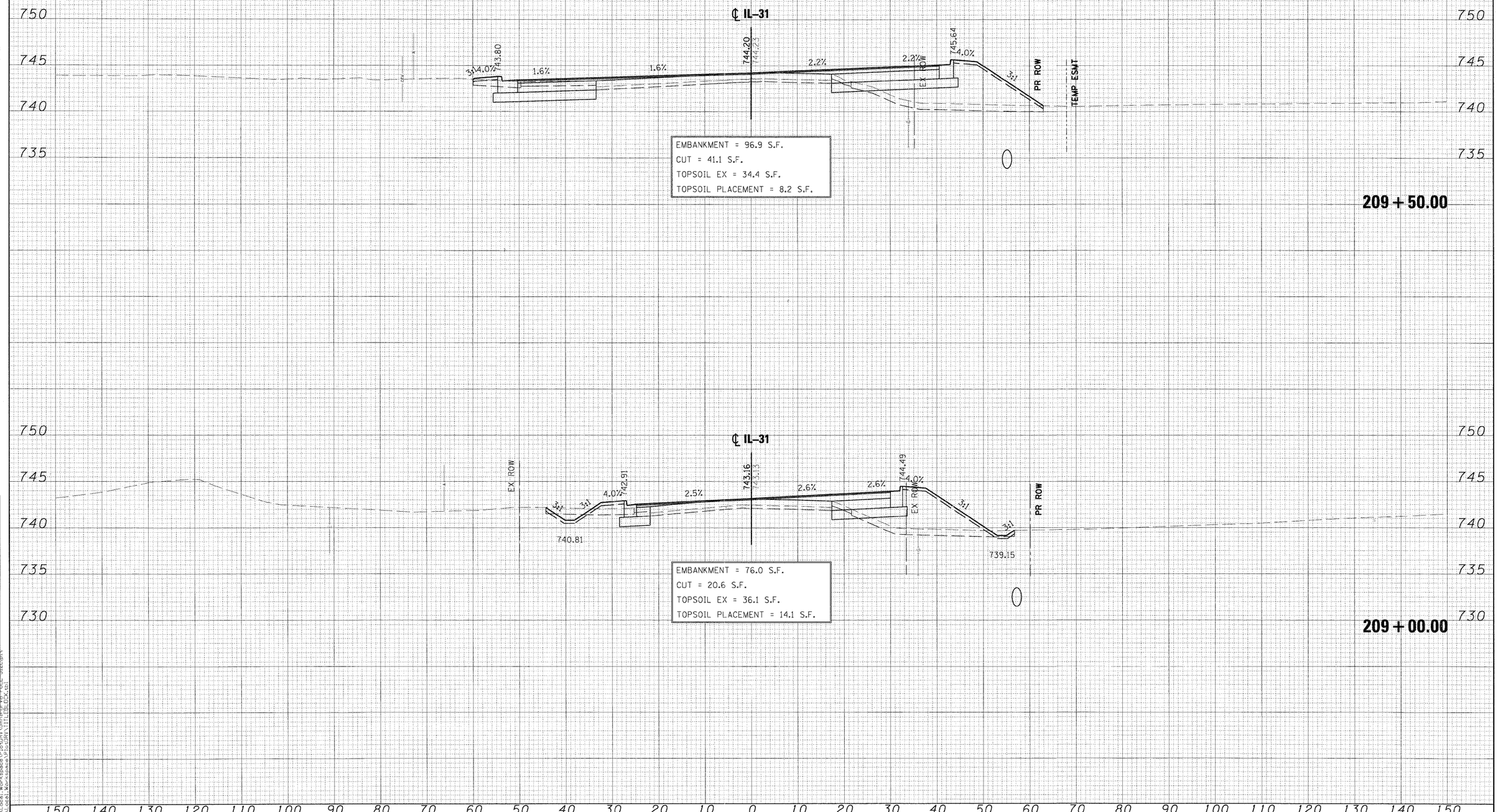
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	373
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			

NO.	BY	DATE

FINAL SURVEY: NOTE BOOK | SURVEYED / PLOTTED / TEMPLATE / AREAS / AREAS CHECKED

ORIGINAL SURVEY: NOTE BOOK | SURVEYED / PLOTTED / TEMPLATE / AREAS / AREAS CHECKED

PLOT SCALE: 1:10
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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

PLOT SCALE: 1:1
X:\120205\100\Local Workspace\PlotDRV\Annie.Fiet_CADD\Local Workspace\PlotDRV\TITLEBLOCK.tbl
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PLOT DATE = 11/22/2011	CHECKED - RMT	REVISED -	
	DATE - 10/23/2011	REVISED -	

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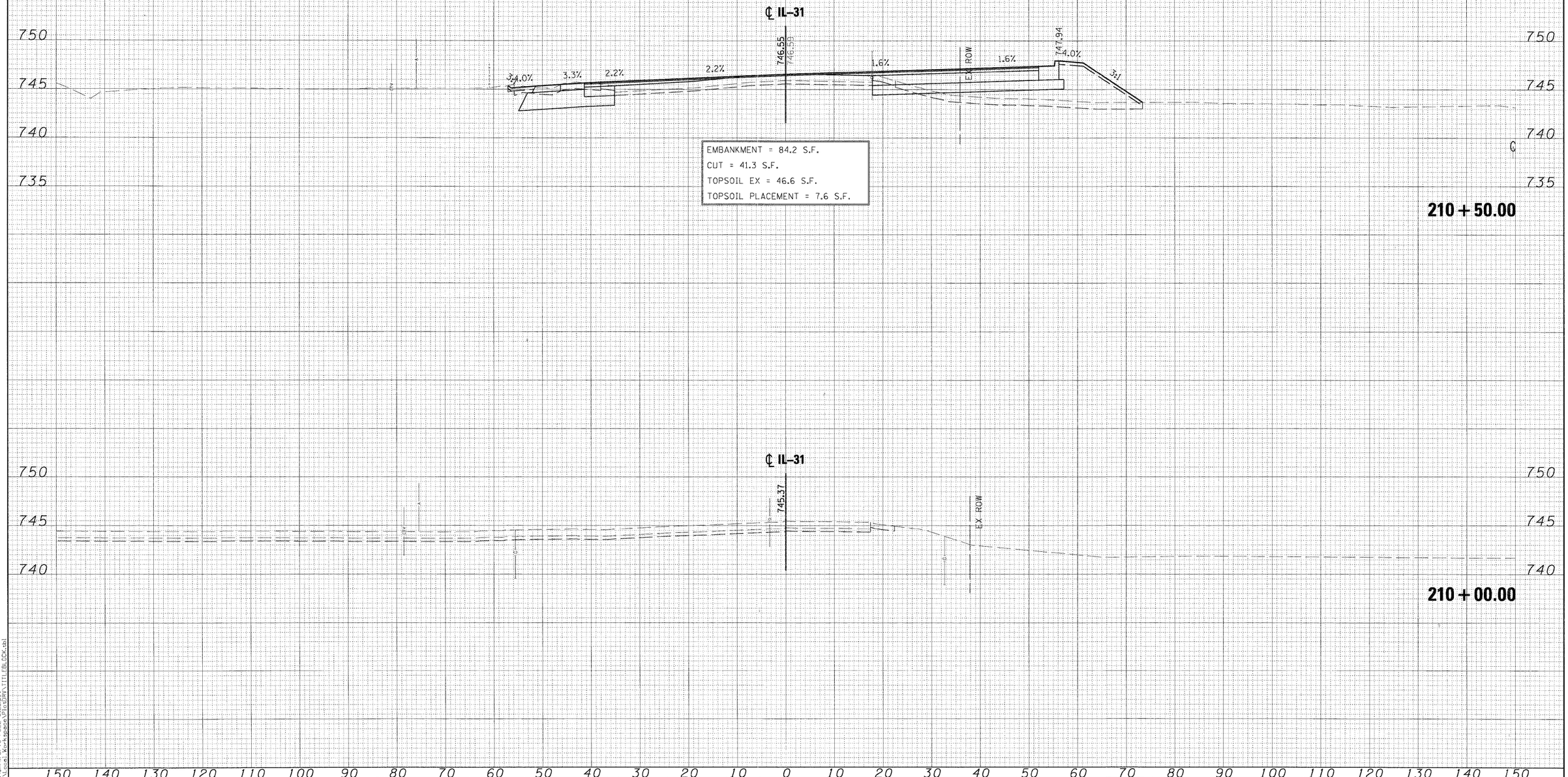
ST. CHARLES since 1834

CITY OF ST. CHARLES

IL 31
CROSS-SECTIONS

SCALE: | SHEET NO. 9 OF 19 SHEETS | STA. 209+00.00 TO STA. 209+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	374
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			



EMBANKMENT = 84.2 S.F.
CUT = 41.3 S.F.
TOPSOIL EX = 46.6 S.F.
TOPSOIL PLACEMENT = 7.6 S.F.

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

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

PLOT SCALE:1:10
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engineers · scientists · planners

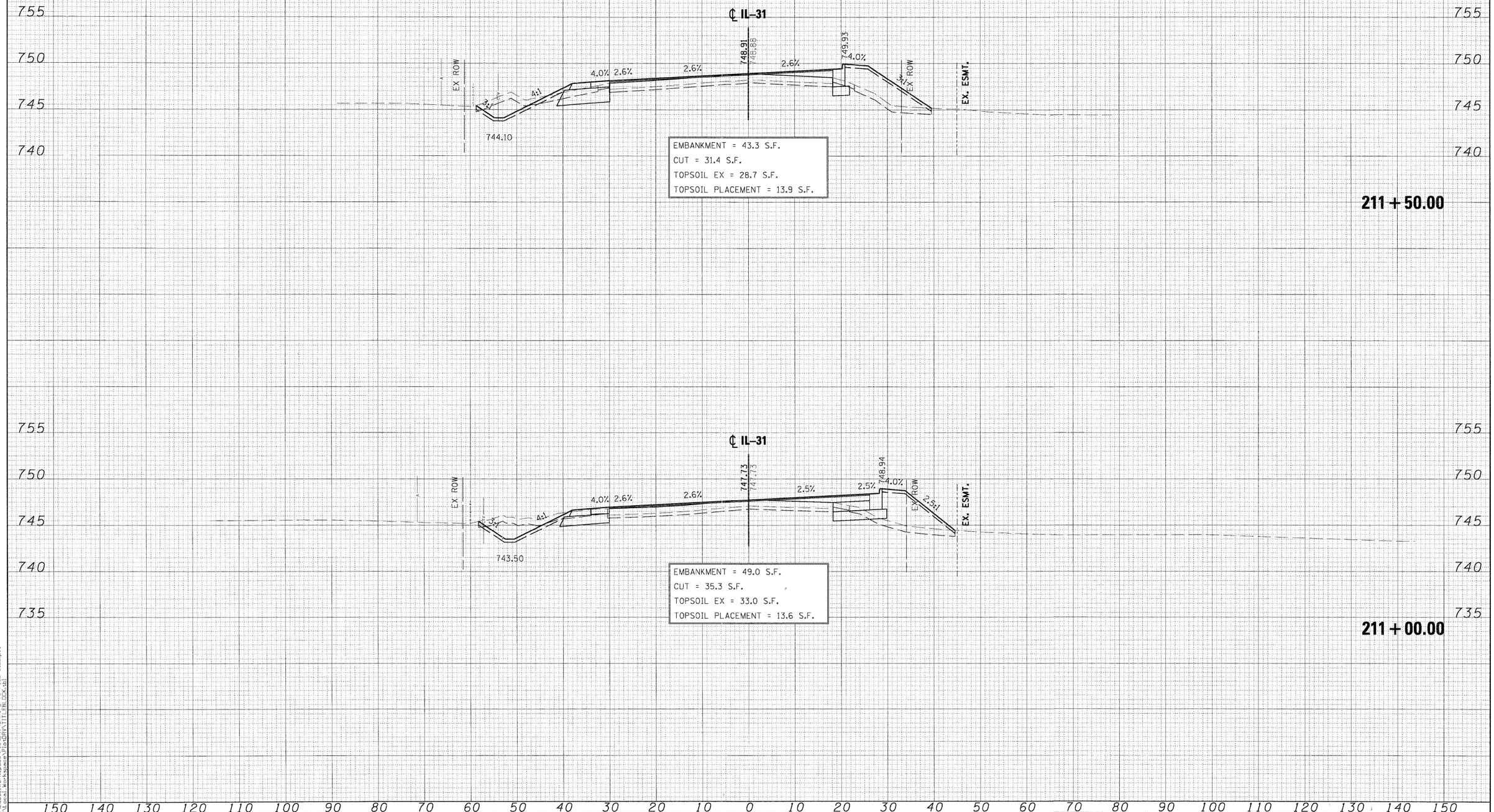
ST. CHARLES
SINCE 1834

CITY OF ST. CHARLES

IL 31
CROSS-SECTIONS

SCALE: | SHEET NO. 10 OF 19 SHEETS | STA. 210+00.00 TO STA. 210+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	375
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			



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

ORIGINAL SURVEY — NOTE BOOK — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

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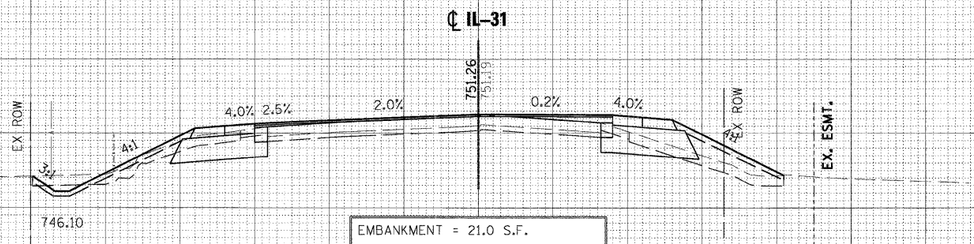
ST. CHARLES

CITY OF ST. CHARLES

IL 31
CROSS-SECTIONS

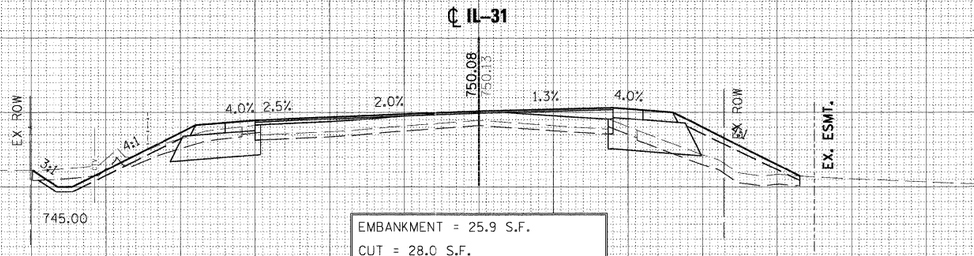
SCALE: | SHEET NO. 11 OF 19 SHEETS | STA. 211+00.00 TO STA. 211+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	376
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			



EMBANKMENT = 21.0 S.F.
CUT = 25.5 S.F.
TOPSOIL EX = 32.4 S.F.
TOPSOIL PLACEMENT = 13.7 S.F.

212 + 50.00



EMBANKMENT = 25.9 S.F.
CUT = 28.0 S.F.
TOPSOIL EX = 33.3 S.F.
TOPSOIL PLACEMENT = 14.4 S.F.

212 + 00.00

755 750 745 740

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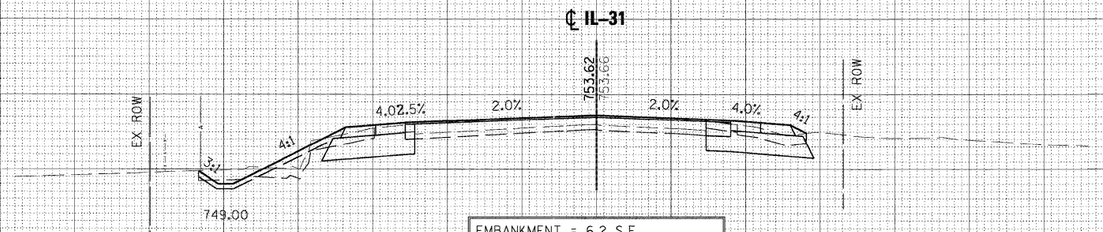
FINAL SURVEY — SURVEYED / PLOTTED / NOTE BOOK / NO. — BY / DATE — TEMPLATE / AREAS / AREAS CHECKED

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

PLOT SCALE:1/0
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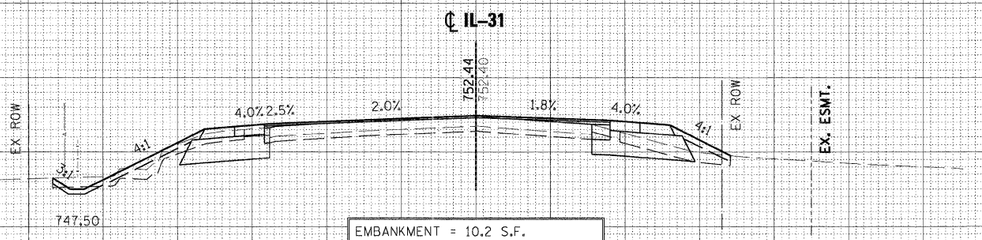
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PLOT DATE = 11/10/2011	CHECKED - RMT	REVISED -	IL 31 CROSS-SECTIONS
	DATE - 10/23/2011	REVISED -	SCALE: SHEET NO. 12 OF 19 SHEETS STA. 212+00.00 TO STA. 212+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	377
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			



EMBANKMENT = 6.2 S.F.
CUT = 36.3 S.F.
TOPSOIL EX = 21.9 S.F.
TOPSOIL PLACEMENT = 8.0 S.F.

213 + 50.00



EMBANKMENT = 10.2 S.F.
CUT = 28.0 S.F.
TOPSOIL EX = 27.0 S.F.
TOPSOIL PLACEMENT = 10.8 S.F.

213 + 00.00

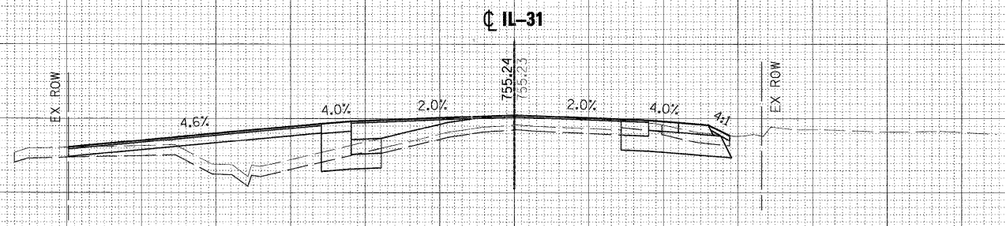
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	DATE - 10/23/2011	REVISED -	SCALE: SHEET NO. 13 OF 19 SHEETS STA. 213+00.00 TO STA. 213+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	378
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			

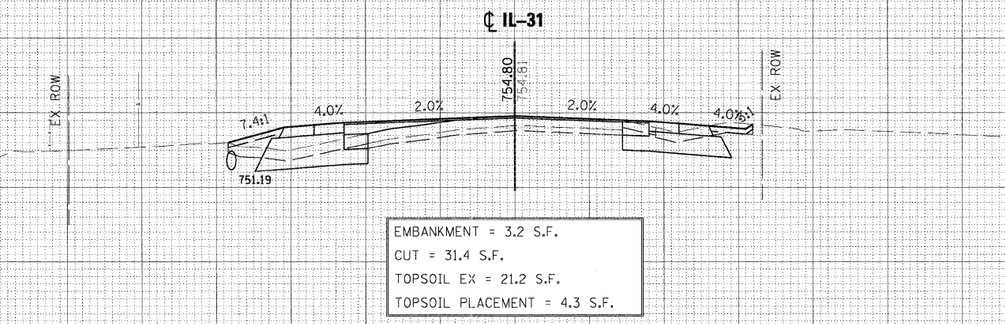
FINAL SURVEY — NOTE BOOK — NO. — BY — DATE — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED

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

PLOT SCALE:1:10
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214 + 19.08



EMBANKMENT = 3.2 S.F.
CUT = 31.4 S.F.
TOPSOIL EX = 21.2 S.F.
TOPSOIL PLACEMENT = 4.3 S.F.

214 + 00.00

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	DRAWN - TMB	REVISED -
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CITY OF ST. CHARLES

IL 31
CROSS-SECTIONS

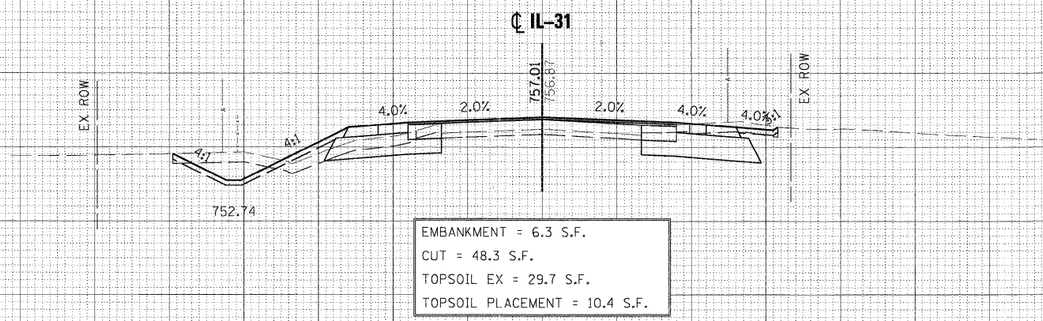
SCALE: | SHEET NO. 14 OF 19 SHEETS | STA. 214+00.00 TO STA. 214+19.08

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	379
		CONTRACT NO. 63650		
	ILLINOIS	FED. AID PROJECT		

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

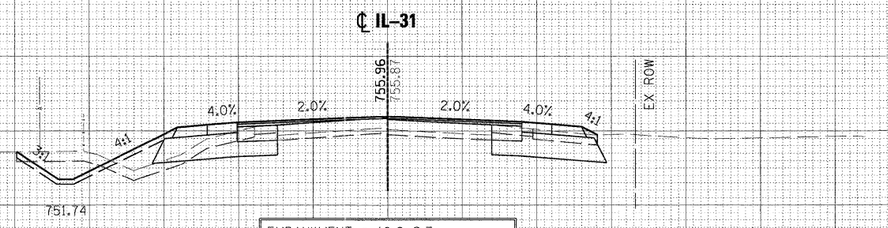
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EMBANKMENT = 6.3 S.F.
CUT = 48.3 S.F.
TOPSOIL EX = 29.7 S.F.
TOPSOIL PLACEMENT = 10.4 S.F.

760 755 750 745

215 + 00.00



EMBANKMENT = 10.8 S.F.
CUT = 40.9 S.F.
TOPSOIL EX = 27.1 S.F.
TOPSOIL PLACEMENT = 8.0 S.F.

760 755 750 745

214 + 50.00

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. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

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

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	DATE - 10/23/2011	REVISED -	

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CITY OF ST. CHARLES

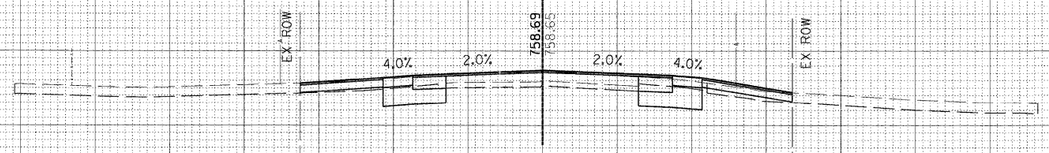
IL 31
CROSS-SECTIONS

SCALE: | SHEET NO. 15 OF 19 SHEETS | STA. 214+50.00 TO STA. 215+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	380
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			

765
760
755
750
745

℄ IL-31



EMBANKMENT = 4.3 S.F.
CUT = 24.5 S.F.
TOPSOIL EX = 0.0 S.F.
TOPSOIL PLACEMENT = 0.0 S.F.

216 + 00.00

765
760
755
750
745

℄ IL-31



EMBANKMENT = 2.2 S.F.
CUT = 35.3 S.F.
TOPSOIL EX = 17.8 S.F.
TOPSOIL PLACEMENT = 4.2 S.F.

215 + 50.00

765
760
755
750
745

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. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

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

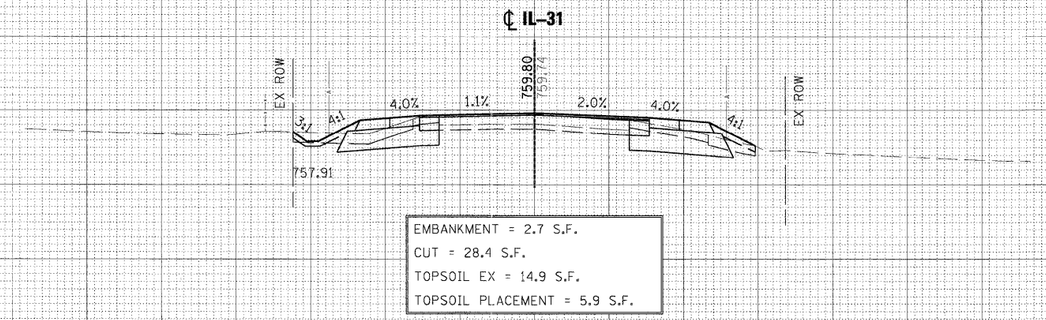
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PLOT DATE = 11/18/2011	DATE - 10/23/2011	REVISED -	

IL 31
CROSS-SECTIONS

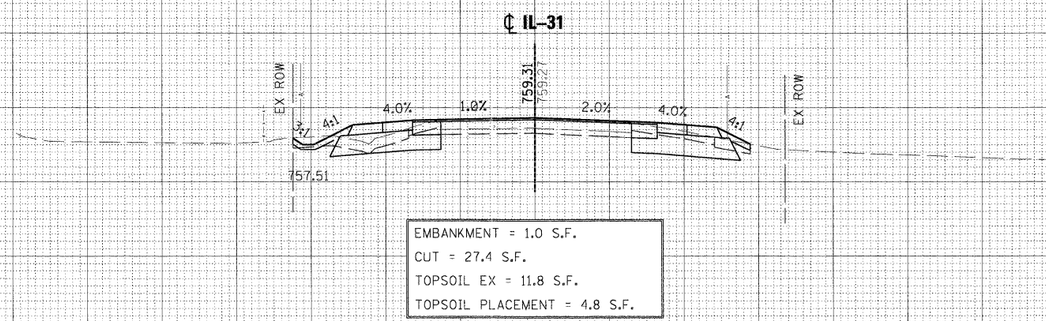
SCALE: | SHEET NO. 16 OF 19 SHEETS | STA. 215+50.00 TO STA. 216+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	381
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			



EMBANKMENT = 2.7 S.F.
CUT = 28.4 S.F.
TOPSOIL EX = 14.9 S.F.
TOPSOIL PLACEMENT = 5.9 S.F.

217 + 00.00



EMBANKMENT = 1.0 S.F.
CUT = 27.4 S.F.
TOPSOIL EX = 11.8 S.F.
TOPSOIL PLACEMENT = 4.8 S.F.

216 + 50.00

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

FILE NAME =	DESIGNED - MAC	REVISED -
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USER NAME = mcoleman	CHECKED - RMT	REVISED -
PLOT DATE = 11/18/2011	DATE - 10/23/2011	REVISED -

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CITY OF ST. CHARLES

IL 31
CROSS-SECTIONS

SCALE: | SHEET NO. 17 OF 19 SHEETS | STA. 216+50.00 TO STA. 217+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	382
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			

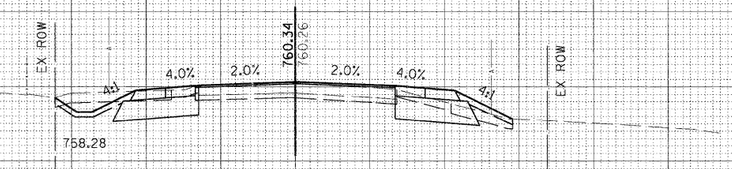
ORIGINAL SURVEY | NOTE BOOK | NO. | BY | DATE
SURVEYED / PLOTTED / TEMPLATE / AREAS / AREAS CHECKED

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

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765
760
755
750

℄ IL-31

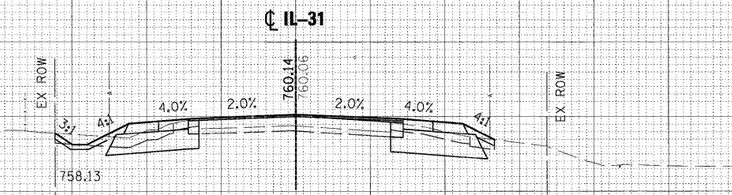


EMBANKMENT = 3.4 S.F.
CUT = 31.5 S.F.
TOPSOIL EX = 10.2 S.F.
TOPSOIL PLACEMENT = 7.2 S.F.

218 + 00.00

765
760
755
750

℄ IL-31



EMBANKMENT = 0.8 S.F.
CUT = 27.7 S.F.
TOPSOIL EX = 12.8 S.F.
TOPSOIL PLACEMENT = 4.4 S.F.

217 + 50.00

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

FILE NAME = ...\Cross_sections\IL31-pxs.dgn	DESIGNED - MAC	REVISED -	benesch engineers · scientists · planners
	DRAWN - TMB	REVISED -	
USER NAME = mcoleman	CHECKED - RMT	REVISED -	
PLOT DATE = 11/18/2011	DATE - 10/23/2011	REVISED -	

CITY OF ST. CHARLES

IL 31
CROSS-SECTIONS

SCALE: | SHEET NO. 18 OF 19 SHEETS | STA. 217+50.00 TO STA. 218+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	383
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			

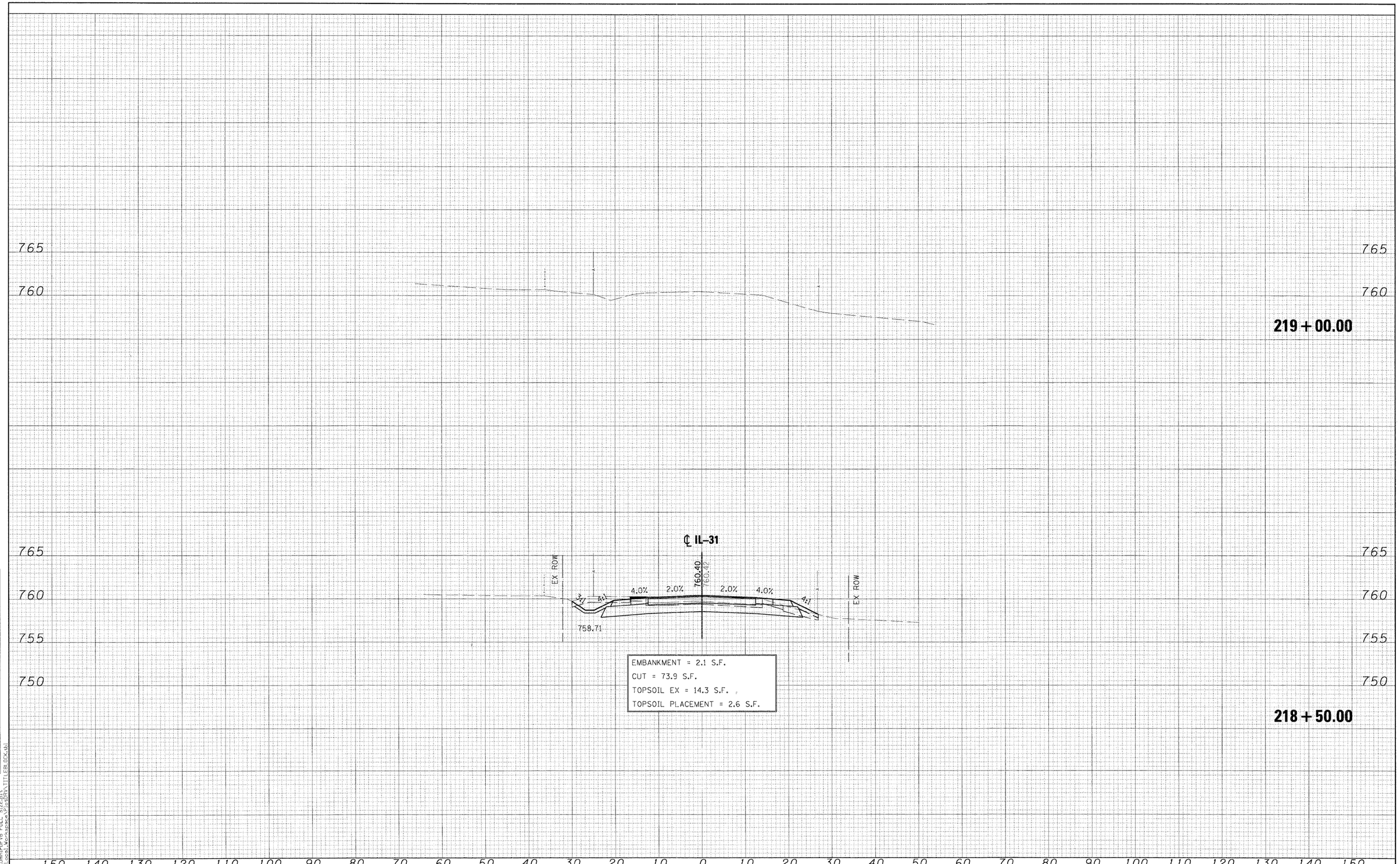
FINAL SURVEY — NOTE BOOK — NO. — BY — DATE
SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED

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

PLOT SCALE:1.0
PLOT BY:mcoleman
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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	

PLOT SCALE: 1/8
PLOT DATE = 11/18/2011
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	DRAWN - TMB	REVISED -
USER NAME = mcoleman	CHECKED - RMT	REVISED -
PLOT DATE = 11/18/2011	DATE - 10/23/2011	REVISED -

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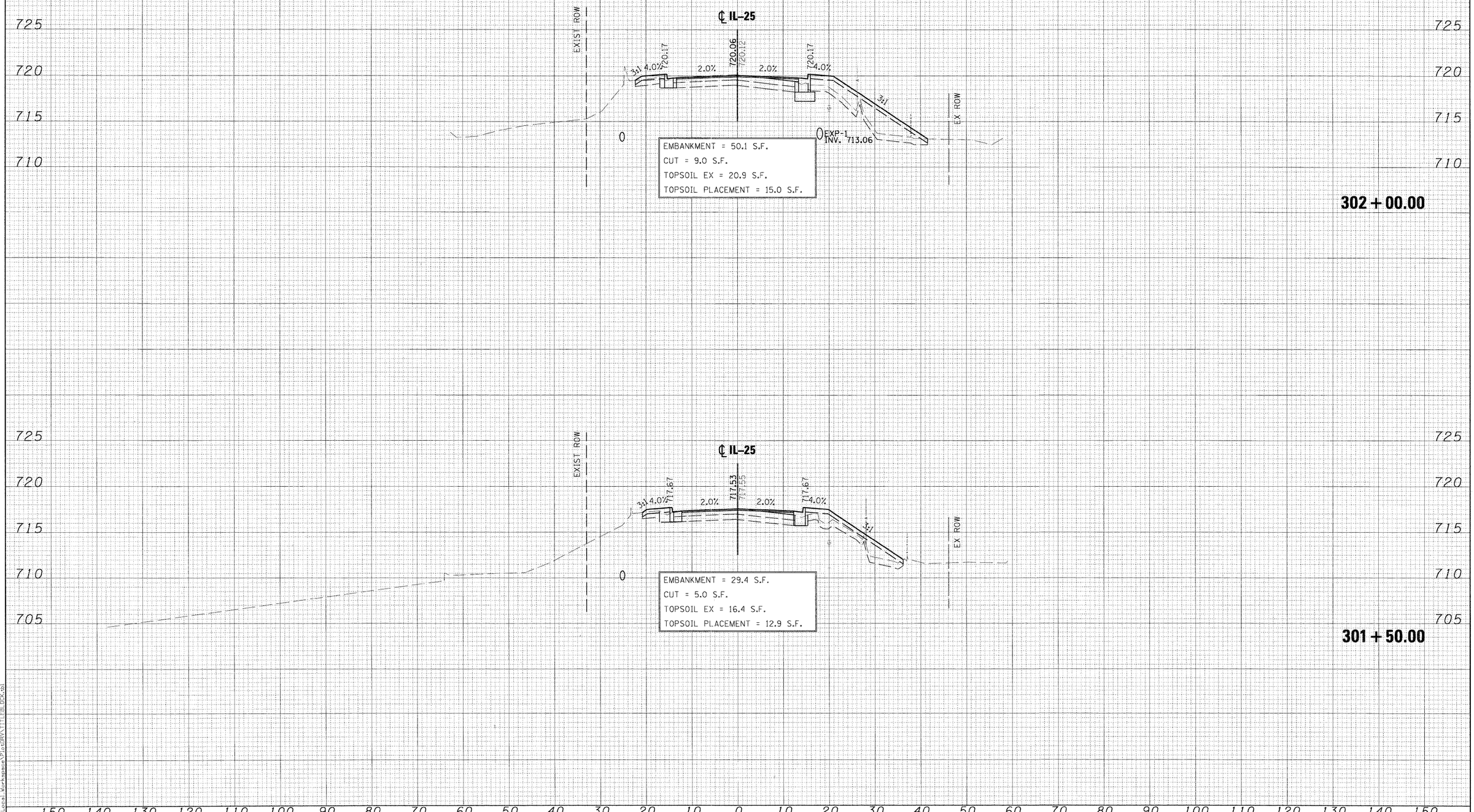
ST. CHARLES

CITY OF ST. CHARLES

IL 31
CROSS-SECTIONS

SCALE: | SHEET NO. 19 OF 19 SHEETS | STA. 218+50.00 TO STA. 219+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	384
		CONTRACT NO. 63650		
	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

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PLOT DATE = 11/10/2011	CHECKED - RMT	REVISED -	
	DATE - 10/23/2011	REVISED -	

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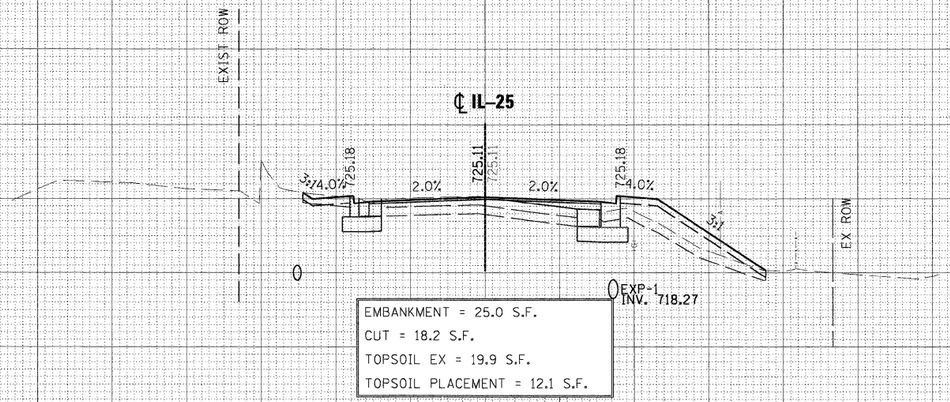
ST. CHARLES

CITY OF ST. CHARLES

IL 25
CROSS-SECTIONS

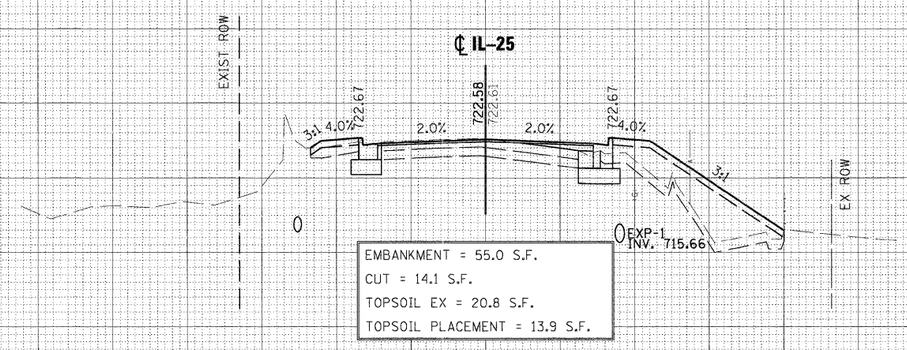
SCALE: | SHEET NO. 1 OF 23 SHEETS | STA. 301+50.00 TO STA. 302+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	385
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			



EMBANKMENT = 25.0 S.F.
CUT = 18.2 S.F.
TOPSOIL EX = 19.9 S.F.
TOPSOIL PLACEMENT = 12.1 S.F.

303+00.00



EMBANKMENT = 55.0 S.F.
CUT = 14.1 S.F.
TOPSOIL EX = 20.8 S.F.
TOPSOIL PLACEMENT = 13.9 S.F.

302+50.00

FILE NAME = ...\cross_sections\IL25-pxs.dgn	DESIGNED - MAC	REVISED -
USER NAME = mcclemen	DRAWN - TMB	REVISED -
PLOT DATE = 11/10/2011	CHECKED - RMT	REVISED -
	DATE - 10/23/2011	REVISED -

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CITY OF ST. CHARLES

IL 25
CROSS-SECTIONS

SCALE: | SHEET NO. 2 OF 23 SHEETS | STA. 302+50.00 TO STA. 303+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	386
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			

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

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

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

740

EXIST ROW

735

730

725

720

715

℄ IL-25

6.1%

727.92

727.63

727.67

727.68

0.5%

2.0%

4.0%

EX ROW

0

EXP-1
INV. 720.88

EMBANKMENT = 4.1 S.F.
CUT = 23.5 S.F.
TOPSOIL EX = 11.1 S.F.
TOPSOIL PLACEMENT = 4.8 S.F.

740

735

730

725

720

715

303+50.00

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

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

PLOT SCALE: 1:10
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DRAWN - TMB	REVISED -	
CHECKED - RMT	REVISED -	
DATE - 10/23/2011	REVISED -	

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ST. CHARLES SINCE 1834

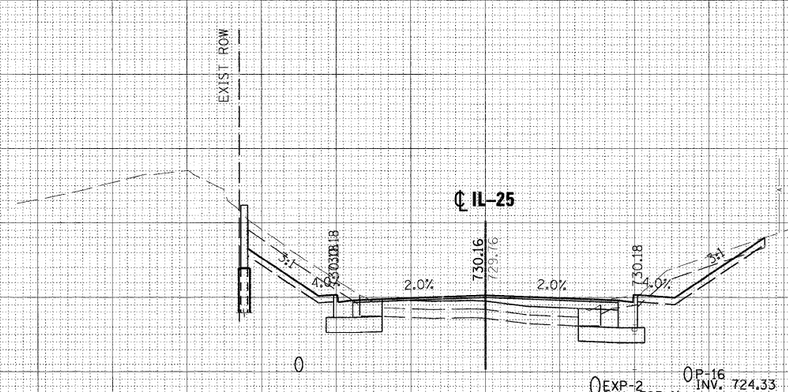
CITY OF ST. CHARLES

IL 25
CROSS-SECTIONS

SCALE: | SHEET NO. 3 OF 23 SHEETS | STA. 303+50.00 TO STA. 303+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	387
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			

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



EMBANKMENT = 0.1 S.F.
CUT = 60.8 S.F.
TOPSOIL EX = 24.7 S.F.
TOPSOIL PLACEMENT = 13.4 S.F.

304 + 00.00

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

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ST. CHARLES SINCE 1834

CITY OF ST. CHARLES

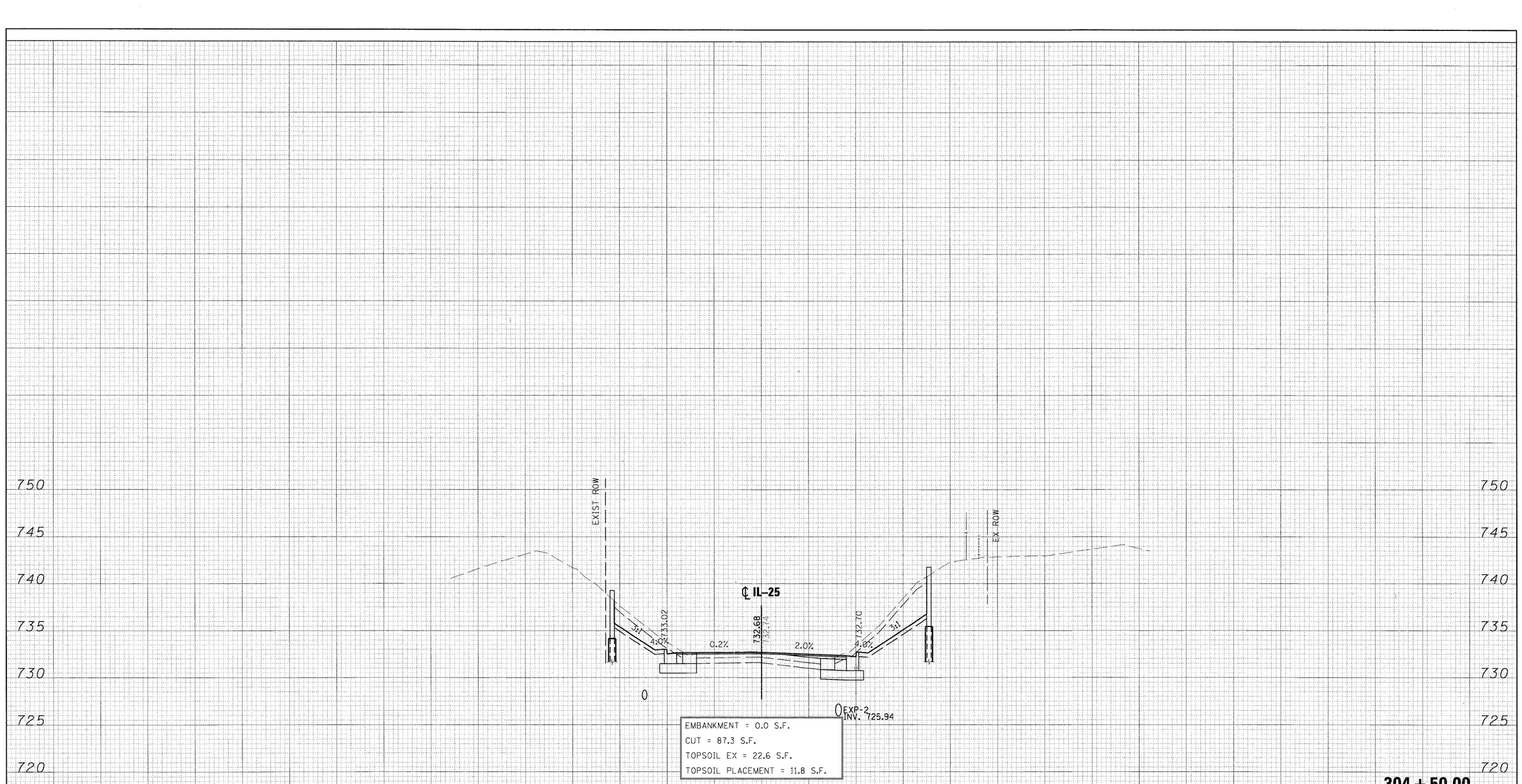
IL 25
CROSS-SECTIONS

SCALE: | SHEET NO. 4 OF 23 SHEETS | STA. 304+00.00 | TO STA. 304+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	388
		CONTRACT NO. 63650		
		ILLINOIS FED. AID PROJECT		

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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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ST. CHARLES SINCE 1834

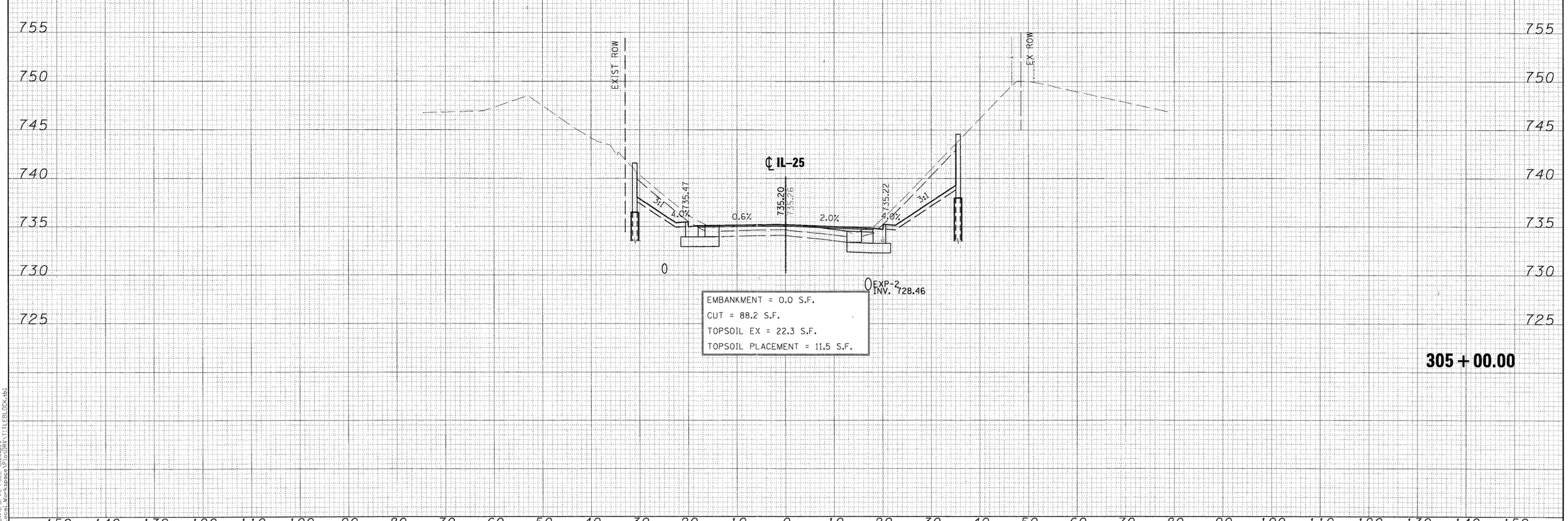
CITY OF ST. CHARLES

IL 25
CROSS-SECTIONS

SCALE: | SHEET NO. 5 OF 23 SHEETS | STA. 304+50.00 TO STA. 304+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	389
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			

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



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

PLOT SCALE:1:10
PLOT DATE: 11/10/2011
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ST. CHARLES
ILLINOIS

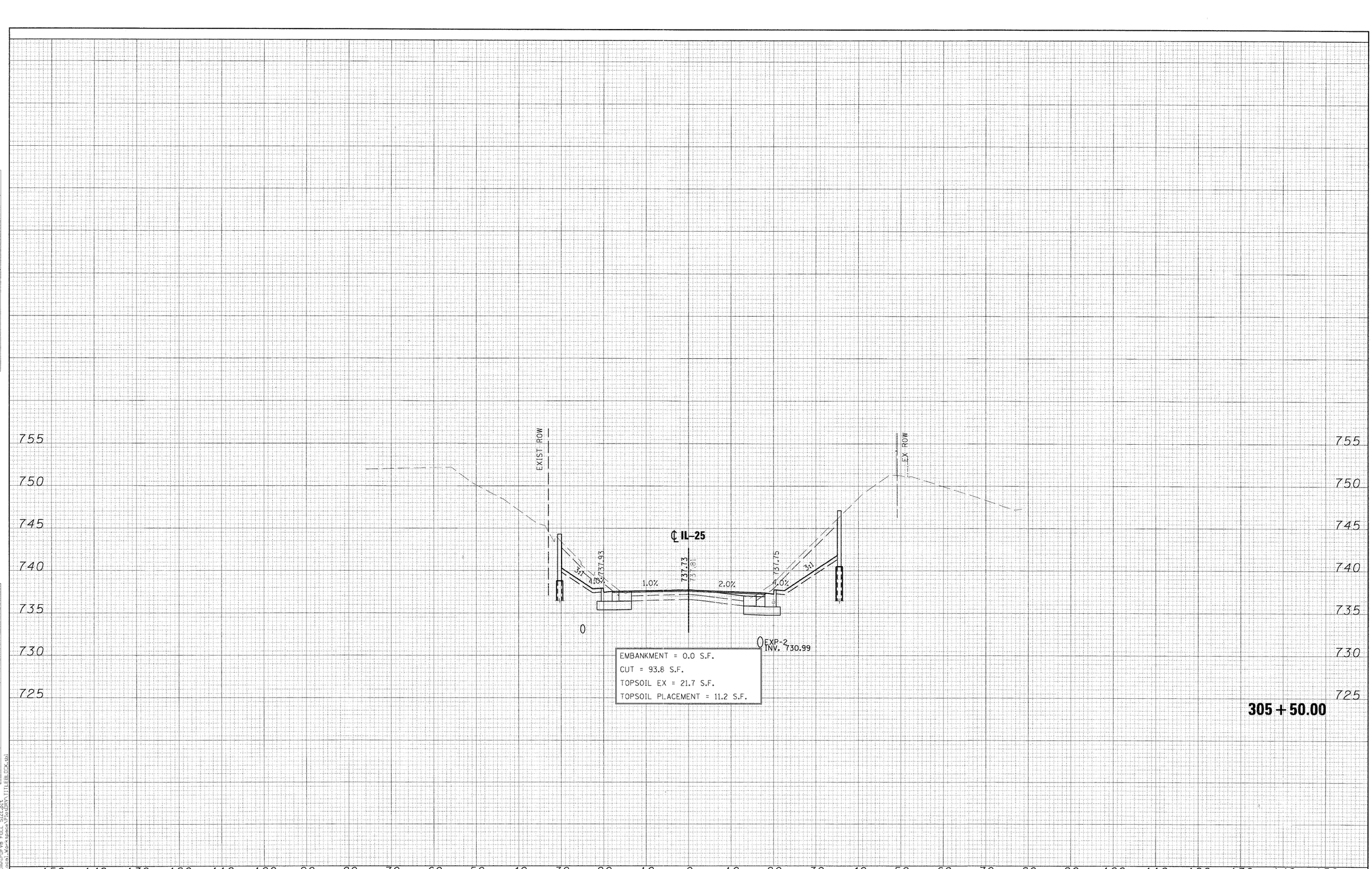
CITY OF ST. CHARLES

IL 25
CROSS-SECTIONS

SCALE: | SHEET NO. 6 OF 23 SHEETS | STA. 305+00.00 TO STA. 305+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	390
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMP. B.M.		
	AREAS		
	AREAS CHECKED		



ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMP. B.M.		
	AREAS		
	AREAS CHECKED		

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ST. CHARLES SINCE 1834

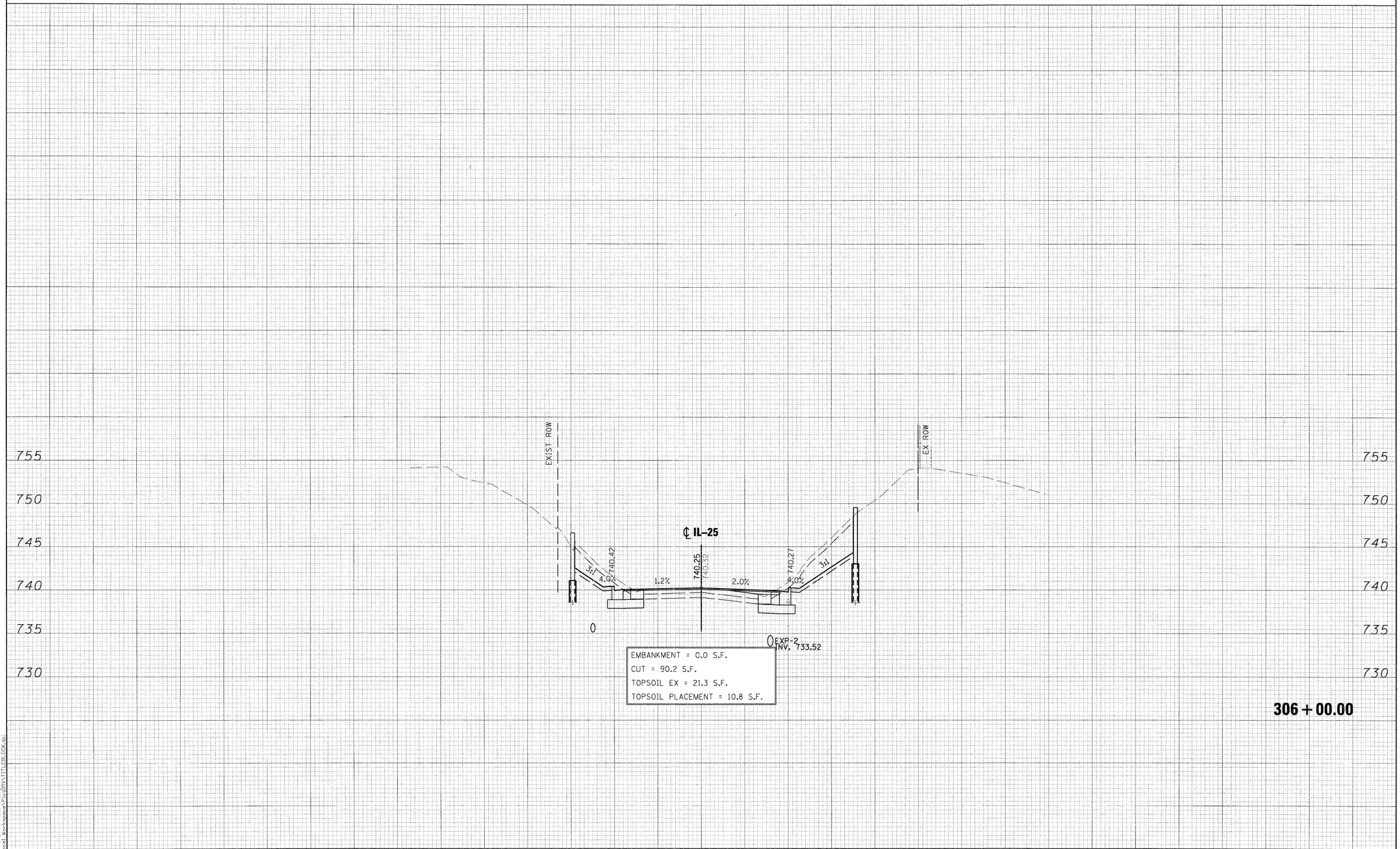
CITY OF ST. CHARLES

IL 25
CROSS-SECTIONS

SCALE: | SHEET NO. 7 OF 23 SHEETS | STA. 305+50.00 TO STA. 305+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	391
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			

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



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

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PLOT DATE=11/10/2011
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	DRAWN - TMB	REVISED -
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PLOT DATE = 11/10/2011	DATE - 10/23/2011	REVISED -

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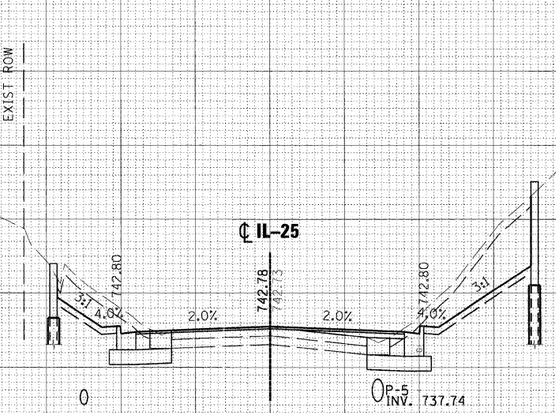
ST. CHARLES
ILLINOIS

CITY OF ST. CHARLES

IL 25
CROSS-SECTIONS

SCALE: | SHEET NO. 8 OF 23 SHEETS | STA. 306+00.00 TO STA. 306+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	392
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			



EMBANKMENT = 0.0 S.F.
CUT = 89.8 S.F.
TOPSOIL EX = 20.9 S.F.
TOPSOIL PLACEMENT = 10.5 S.F.

760
755
750
745
740
735
730

306 + 50.00

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

FILE NAME = ...\cross_sections\IL25-pxs.dgn	DESIGNED - MAC	REVISED -	
	DRAWN - TMB	REVISED -	
USER NAME = mcoleman	CHECKED - RMT	REVISED -	
PLOT DATE = 11/10/2011	DATE - 10/23/2011	REVISED -	

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ST. CHARLES SINCE 1834

CITY OF ST. CHARLES

IL 25
CROSS-SECTIONS

SCALE: | SHEET NO. 9 OF 23 SHEETS | STA. 306+50.00 TO STA. 306+50.00

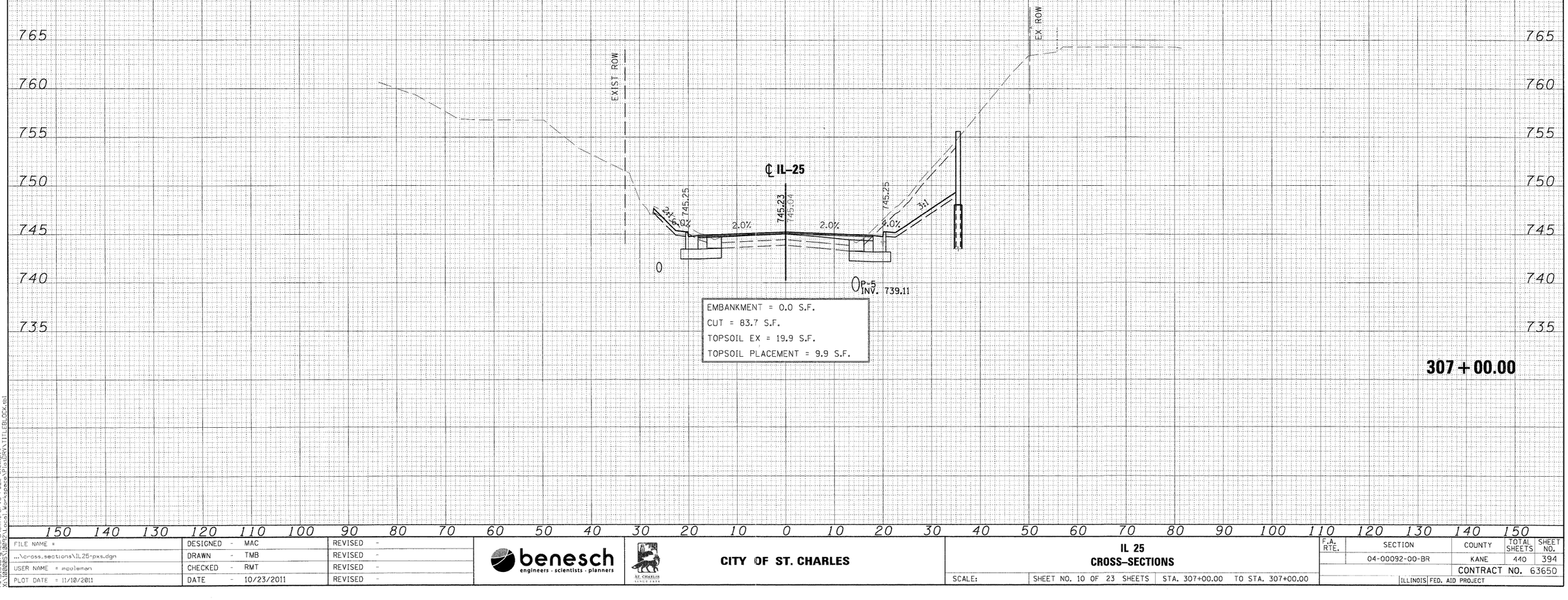
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	393
		CONTRACT NO. 63650		
	ILLINOIS	FED. AID PROJECT		

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

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

PLOT SCALE=1:1
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X:\2012\2012015\12092\Local Workspace\Plans\PRV.TFL (LEBLOCK-JB)

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



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

PLOT SCALE=1:10
PLOT DATE=11/10/2011
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	DATE - 10/23/2011	REVISED -	

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IL 25
CROSS-SECTIONS

SCALE: | SHEET NO. 10 OF 23 SHEETS | STA. 307+00.00 TO STA. 307+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	394
		CONTRACT NO. 63650		
	ILLINOIS	FED. AID PROJECT		

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



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

PLOT SCALE: 1:10
PLOT DATE: 11/10/2011
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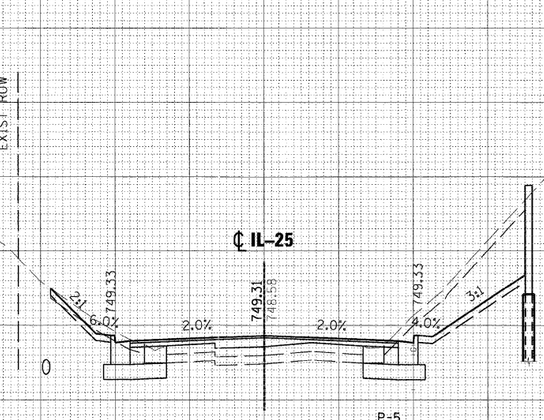
CITY OF ST. CHARLES

IL 25
CROSS-SECTIONS

SCALE: | SHEET NO. 11 OF 23 SHEETS | STA. 307+50.00 TO STA. 307+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	395
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			

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



EMBANKMENT = 0.1 S.F.
CUT = 80.2 S.F.
TOPSOIL EX = 21.0 S.F.
TOPSOIL PLACEMENT = 10.6 S.F.

308+00.00

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

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

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PLOT DATE = 11/10/2011
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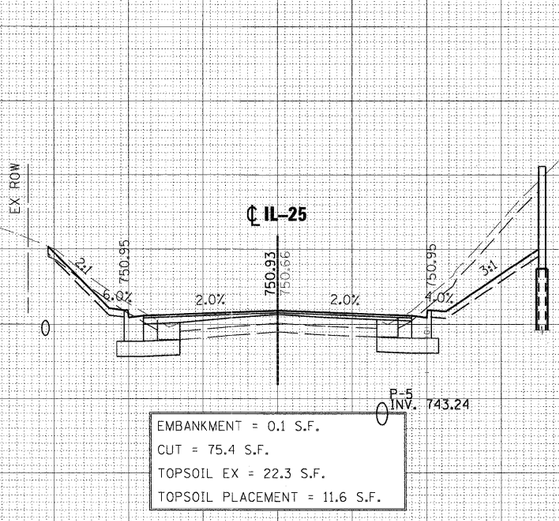
CITY OF ST. CHARLES

IL 25
CROSS-SECTIONS

SCALE: | SHEET NO. 12 OF 23 SHEETS | STA. 308+00.00 TO STA. 308+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	396
		CONTRACT NO. 63650		
	ILLINOIS	FED. AID PROJECT		

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



770 765 760 755 750 745 740

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

308+50.00

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

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PLOT SCALE=1:10
PLOT DATE=20120215
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USER NAME = mcclemen	DRAWN - TMB	REVISED -	
PLOT DATE = 11/10/2011	CHECKED - RMT	REVISED -	
	DATE - 10/23/2011	REVISED -	

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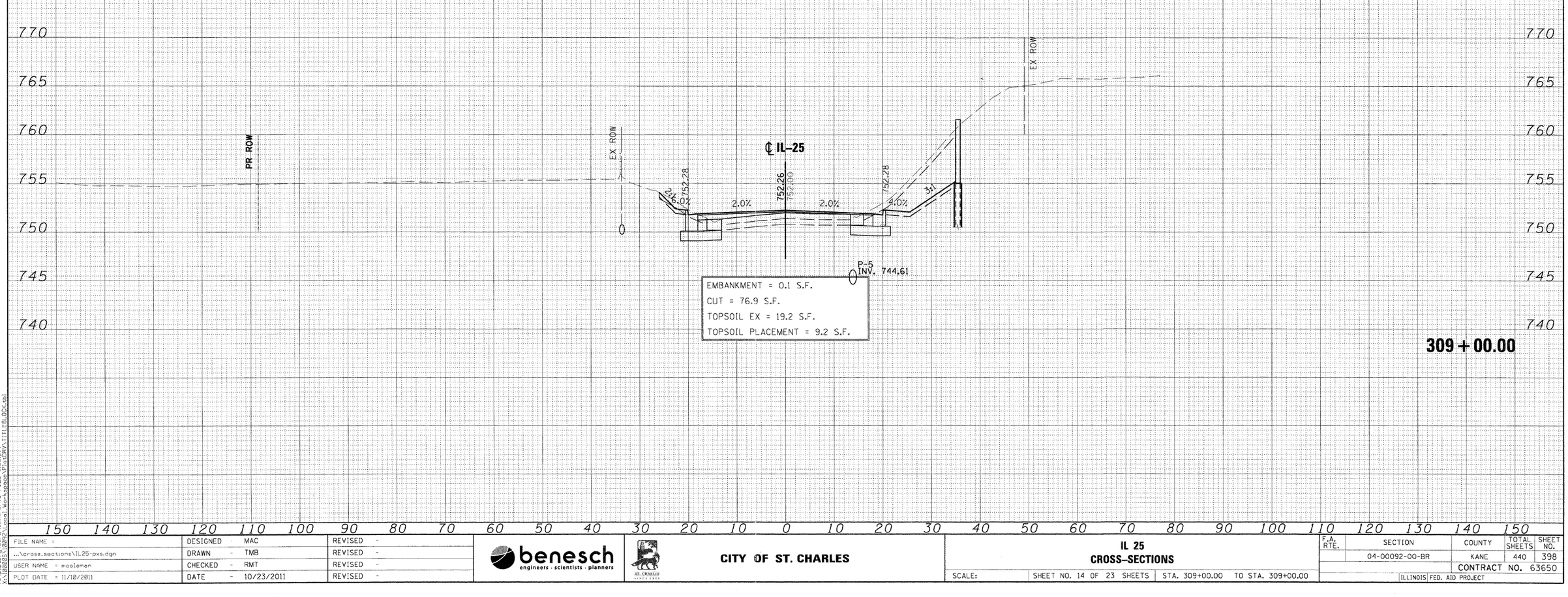
CITY OF ST. CHARLES

IL 25
CROSS-SECTIONS

SCALE: | SHEET NO. 13 OF 23 SHEETS | STA. 308+50.00 TO STA. 308+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	397
		CONTRACT NO. 63650		
	ILLINOIS FED. AID PROJECT			

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



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

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	DATE - 10/23/2011	REVISED -	

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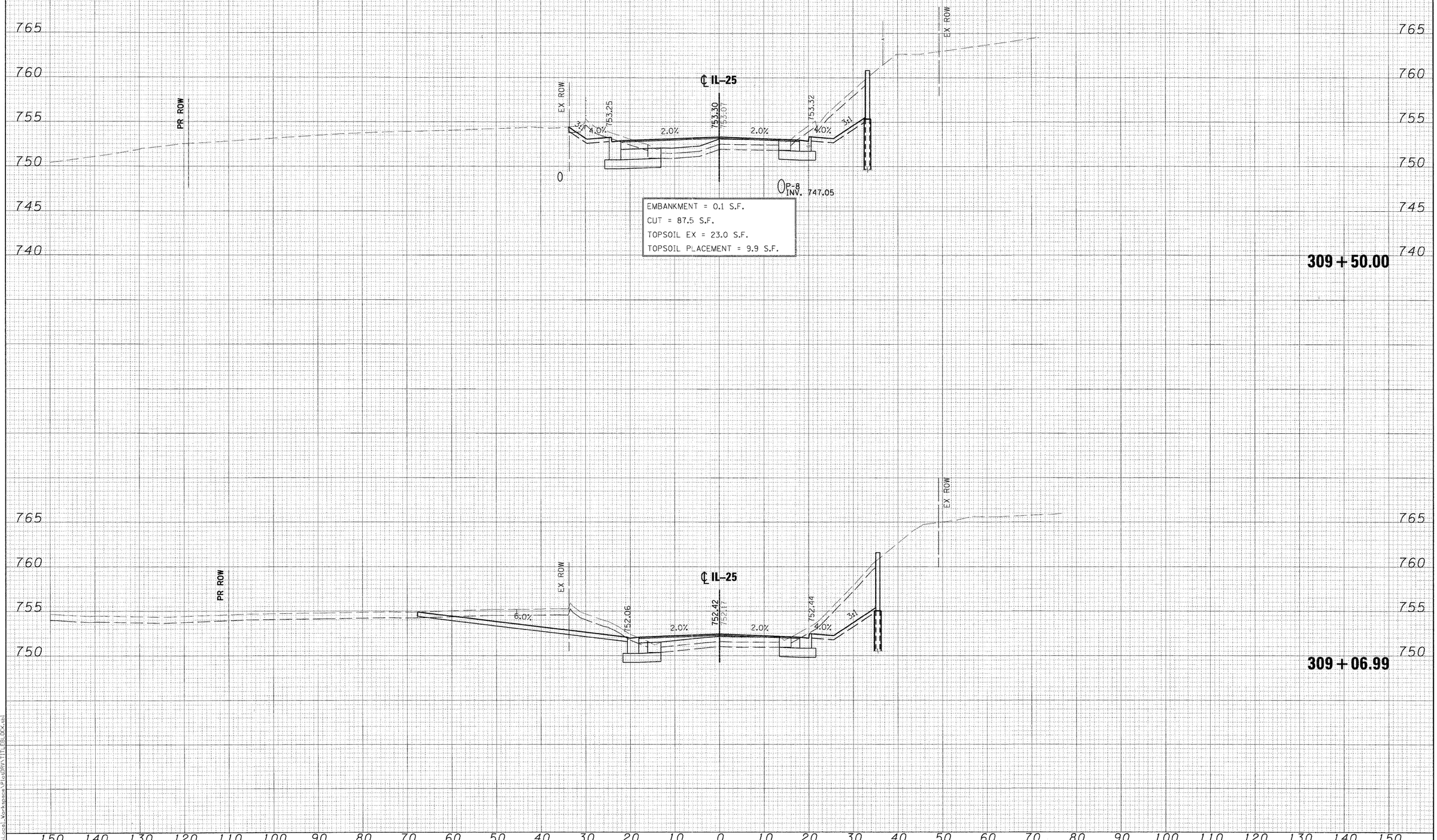
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CITY OF ST. CHARLES

IL 25
CROSS-SECTIONS

SCALE: | SHEET NO. 14 OF 23 SHEETS | STA. 309+00.00 TO STA. 309+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	398
		CONTRACT NO. 63650		
	ILLINOIS	FED. AID PROJECT		



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

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

PLOT SCALE=1:10
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	DRAWN - TMB	REVISED -
USER NAME = mcoleman	CHECKED - RMT	REVISED -
PLOT DATE = 11/10/2011	DATE - 10/23/2011	REVISED -

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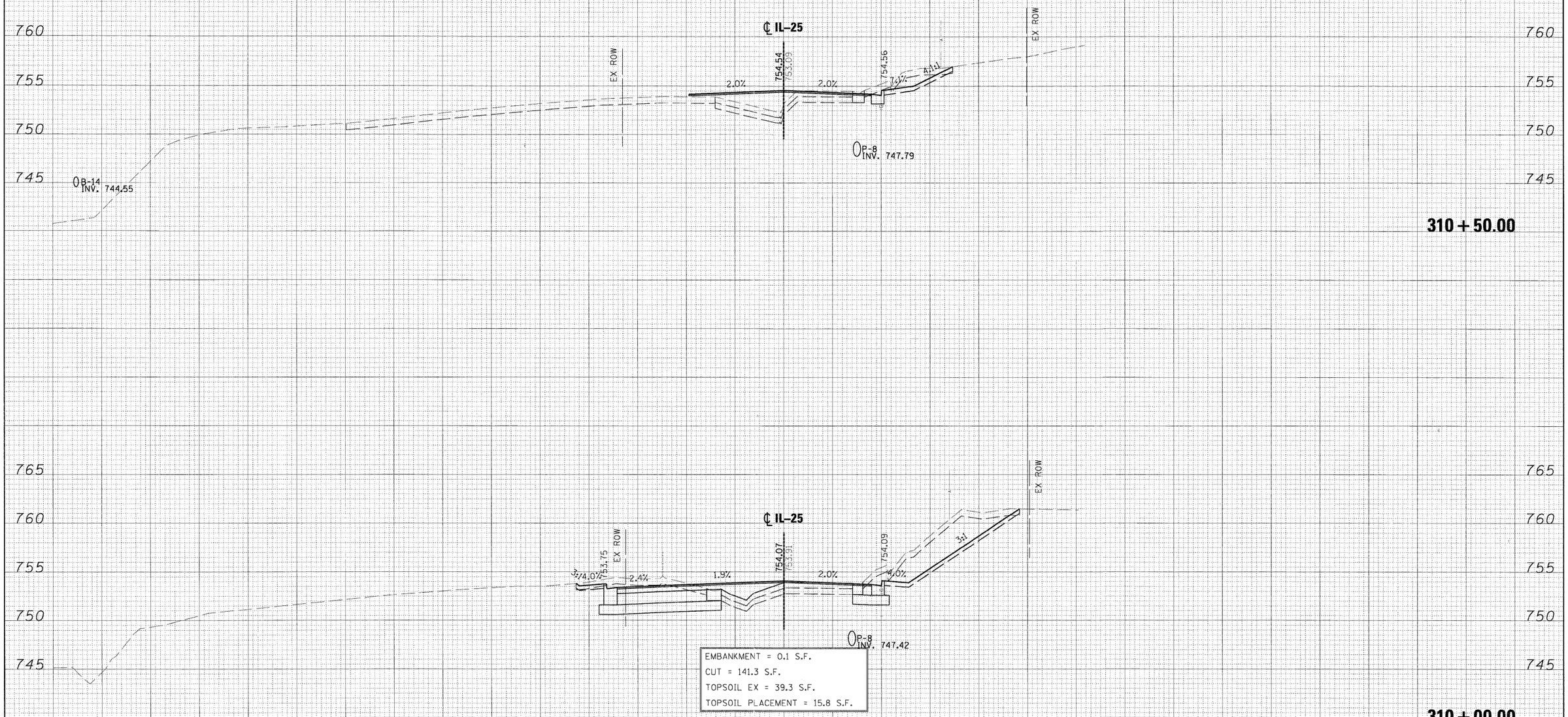
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IL 25
CROSS-SECTIONS

SCALE: | SHEET NO. 15 OF 23 SHEETS | STA. 309+06.99 TO STA. 309+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	399
		CONTRACT NO. 63650		
	ILLINOIS	FED. AID PROJECT		



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

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

PLOT SCALE:1:10
PLOT SPACE:210mmPDFVB FULL SIZE.plt
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USER NAME = mcoleman	DRAWN - TMB	REVISED -
PLOT DATE = 11/10/2011	CHECKED - RMT	REVISED -
	DATE - 10/23/2011	REVISED -

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CROSS-SECTIONS

SCALE:

SHEET NO. 16 OF 23 SHEETS | STA. 310+00.00 TO STA. 310+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	400
		CONTRACT NO. 63650		
	ILLINOIS	FED. AID PROJECT		