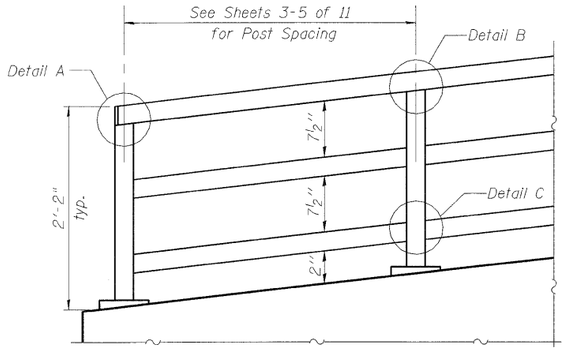
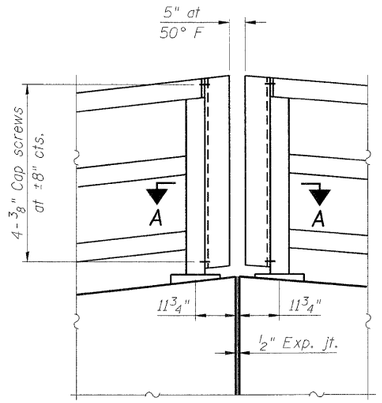


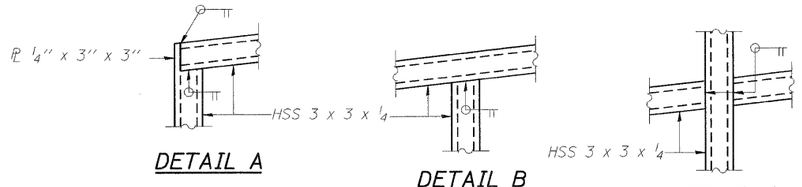
PARAPET RAILING ELEVATION

(Looking ℄ F.F. of wall)
(Begin of wall shown. End of wall similar.)



PARAPET RAILING ELEVATION AT EXPANSION JOINT

(Looking ℄ F.F. of wall)
(Work point 3 shown. Work points 6 & 9 similar.)



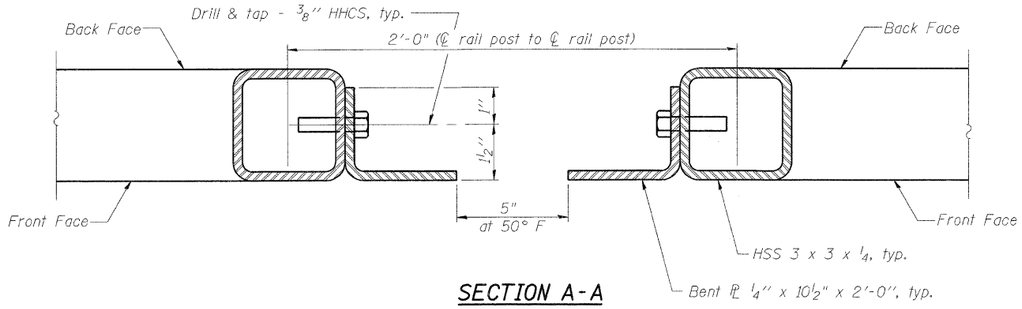
DETAIL A

DETAIL B

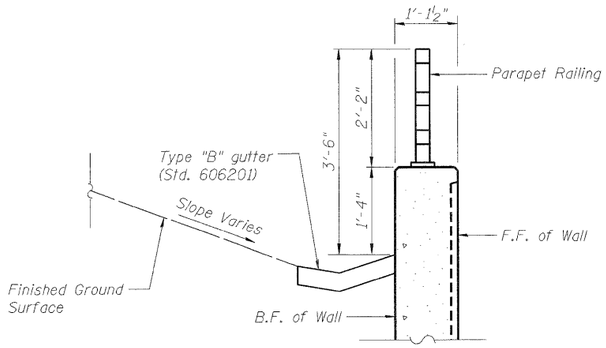
DETAIL C

Note:

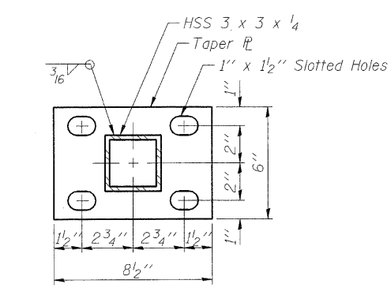
All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.



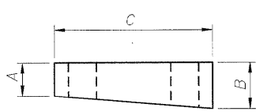
SECTION A-A



SECTION THRU WALL

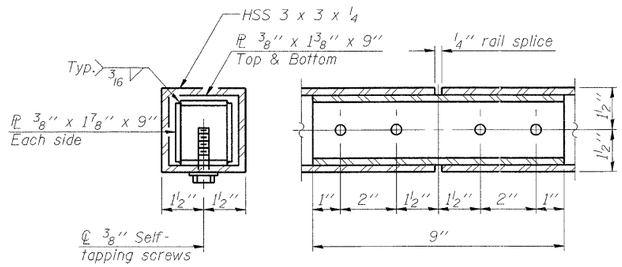


PLAN



ELEVATION

TAPER BASE ℄ DETAILS

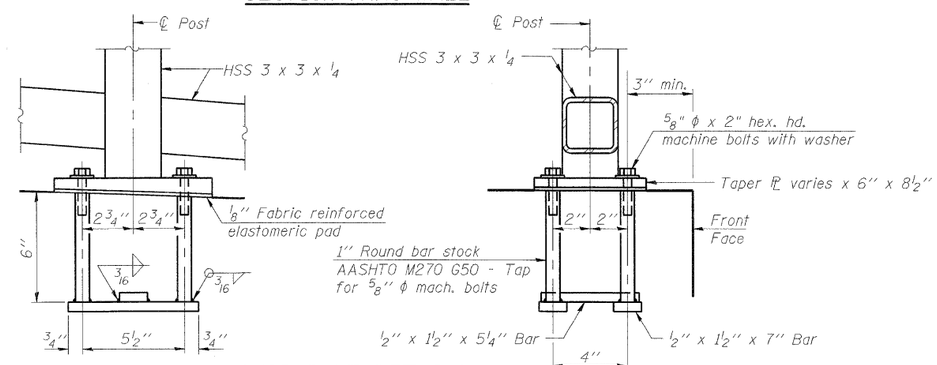


RAIL SPLICE

TAPER PLATE DIMENSIONS

Plate Location	A	B	C
WP 1 - WP 3	½"	1"	8½"
WP 3 - WP 11	½"	⅞"	8½"
WP 11 - WP 12	½"	2¾"	8½"

Note:
For work point locations, see sheet 2 of 13.



ANCHOR BOLT DETAILS

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting ⅝" ϕ anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

BILL OF MATERIAL

Item	Unit	Quantity
Parapet Railing	Foot	319

PB Americas, Inc.
230 WEST MONROE STREET, SUITE 900
CHICAGO, IL. 60606
(312)782-8150

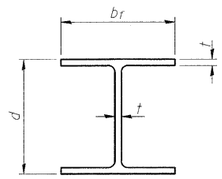
FILE NAME = 0478800-66985-008-R29.dgn	DESIGNED - Y. Ali	REVISED -
	CHECKED - M. Shaikh	REVISED -
PLOT SCALE = NONE	DRAWN - H. Alkhatib	REVISED -
PLOT DATE = 5/5/2011	CHECKED - J. GRAINAWI	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PARAPET RAILING
STRUCTURE NO. 047-8800
SHEET NO. 8 OF 13 SHEETS

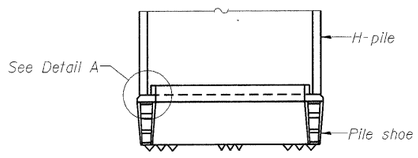
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	301
		CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			

T:\16829-PrairiePkwy-Ph2\Struct\Cadd\Prefinal\US34 Retaining Wall 1\0478800-66985-008-R29.dgn
05-MAY-2011 10:31

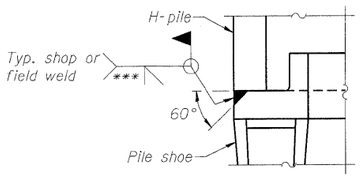


STEEL PILE TABLE

Designation	Depth d	Flange width b_f	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	13/16"	30"
x102	14"	14 3/4"	11/16"	30"
x89	13 7/8"	14 3/4"	5/8"	30"
x73	13 5/8"	14 5/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	11/16"	24"
x74	12 1/8"	12 1/4"	5/8"	24"
x63	12"	12 1/8"	1/2"	24"
x53	11 3/4"	12"	7/16"	24"
HP 10x57	10"	10 1/4"	9/16"	24"
x42	9 3/4"	10 1/8"	7/16"	24"
HP 8x36	8"	8 1/8"	7/16"	18"

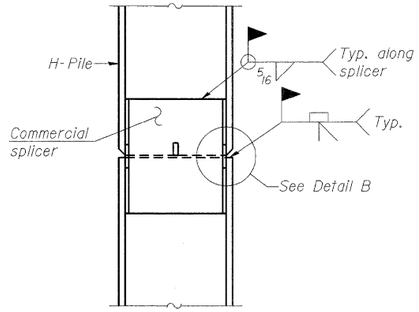


ELEVATION

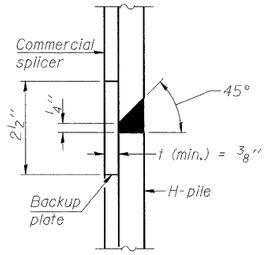


DETAIL A

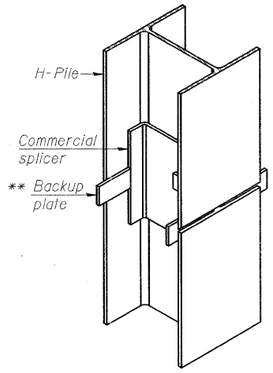
H-PILE SHOE ATTACHMENT



ELEVATION

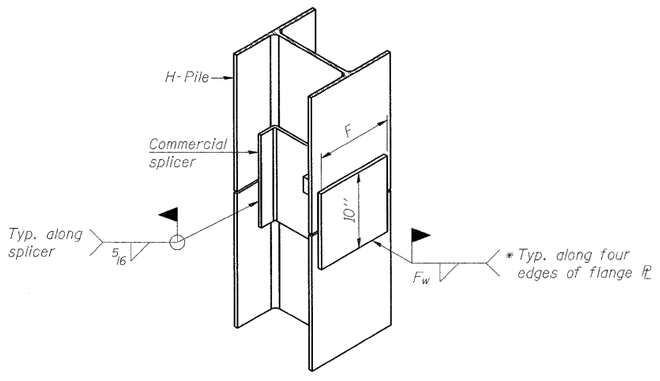


DETAIL "B"



ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE



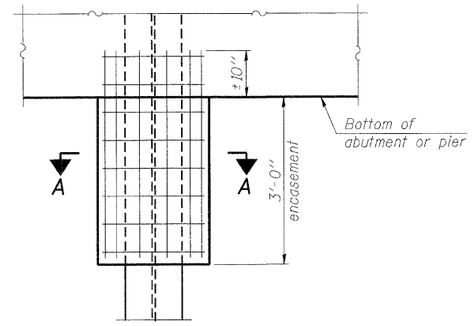
ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE ALTERNATE

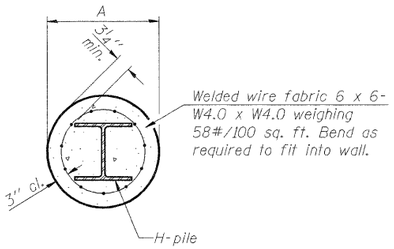
* Interrupt welds 1/4" from end of web and/or each flange.

** Remove portions of backup plates that extend outside the flanges.

*** Weld size per pile shoe manufacturer (5/16" min.).



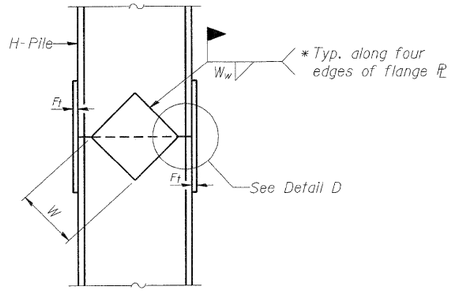
ELEVATION



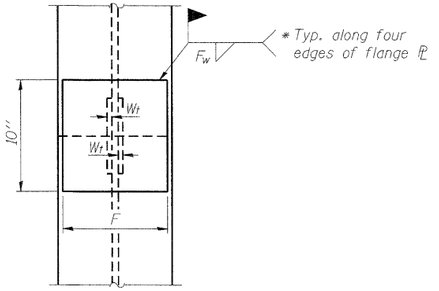
Note:
Forms for encasement may be omitted when soil conditions permit.

SECTION A-A

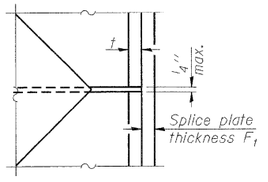
PILE ENCASEMENT



ELEVATION



END VIEW



DETAIL D

Designation	F	F_t	F_w	W	W_t	W_w
HP 14x117	12 1/2"	1"	7/8"	7 3/4"	5/8"	1/2"
x102	12 1/2"	7/8"	3/4"	7 3/4"	5/8"	1/2"
x89	12 1/2"	3/4"	11/16"	7 3/4"	5/8"	1/2"
x73	12 1/2"	5/8"	9/16"	7 3/4"	5/8"	1/2"
HP 12x84	10"	7/8"	11/16"	6 1/2"	5/8"	1/2"
x74	10"	7/8"	11/16"	6 1/2"	5/8"	1/2"
x63	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
x53	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
HP 10x57	8"	3/4"	9/16"	5 1/4"	1/2"	3/8"
x42	8"	5/8"	9/16"	5 1/4"	1/2"	3/8"
HP 8x36	7"	5/8"	7/16"	4 1/4"	1/2"	3/8"

WELDED PLATE FIELD SPLICE

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

PB Americas, Inc.
230 WEST MONROE STREET, SUITE 900
CHICAGO, IL. 60606
(312)782-8150

FILE NAME = 0478800-66985-009-FHP.dgn	DESIGNED - Y. Ali	REVISED -	
	CHECKED - M. Shalkh	REVISED -	
PLOT SCALE = NONE	DRAWN - H. Alkhatib	REVISED -	
PLOT DATE = 5/5/2011	CHECKED - J. GRAINAWI	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HP PILE DETAILS
STRUCTURE NO. 047-8800
SHEET NO. 9 OF 13 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	302
		CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			

Wang Engineering, Inc.
Consulting Geotechnical and Environmental Engineers
wangeng@wangeng.com
1145 N Main Street
Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

BORING LOG RW-01

WEI Job No.: 107-07-01

Client: Parsons Brinckerhoff Quade & Douglas, Inc.
Project: Prairie Parkway, Phase II US 34
Location: Plano, IL

Datum: NGVD
Elevation: 646.40 ft
North: 1816954.70 ft
East: 931405.20 ft
Station: 13+50.06
Offset: 82.7 LT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type: recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
		Medium dense, black SANDY LOAM --FILL--			1	5 6 9	NP	9
	643.4	Medium stiff, brown CLAY LOAM, little gravel --FILL--	5		2	2 3 3	0.75 P	19
	640.9	Loose, brown SANDY LOAM, some gravel --FILL--			3	5 4 4	NP	9
	638.4	Medium dense, brown GRAVELLY SANDY LOAM	10		4	6 5 6	NP	6
					5	7 9 7	NP	7
	633.4	--A-1-b (0)-- --GRAVEL=47.4%-- --SAND=41.5%-- --SILT=9.6%-- --CLAY=1.6%--			6	6 6 5	NP	6
			15		7	6 8 7	NP	5
	626.4		20		8	6 7 9	NP	5
		Boring terminated at 20.00 ft						
			25					

GENERAL NOTES

Begin Drilling: 02-11-2010 Complete Drilling: 02-11-2010
Drilling Contractor: WTS Drill Rig: Mobile B-57 TMR
Driller: Phil/Jeromy Logger: B. Wilson Checked by: A. Kurnia
Drilling Method: 3.25-inch ID HSA; Boring Backfilled Upon Completion

WATER LEVEL DATA

While Drilling: DRY
At Completion of Drilling: DRY
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENG 107070 GPJ WANGENG GCT 3/24/10

Wang Engineering, Inc.
Consulting Geotechnical and Environmental Engineers
wangeng@wangeng.com
1145 N Main Street
Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

BORING LOG RW-09

WEI Job No.: 107-07-01

Client: Parsons Brinckerhoff Quade & Douglas, Inc.
Project: Prairie Parkway, Phase II US 34
Location: Plano, IL

Datum: NGVD
Elevation: 635.40 ft
North: 1816694.30 ft
East: 931464.30 ft
Station: 14+03.16
Offset: 17.5 LT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type: recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	634.1	10 inch-thick Asphalt pavement						
		Fine to coarse GRAVELLY SAND --BASE COURSE--			1		NP	7
	632.4	Medium dense to dense, fine to coarse GRAVELLY SANDY LOAM	5		2	10 12 12	NP	5
	629.4	--A-1-a (0)-- --GRAVEL=49.7%-- --SAND=36.3%-- --SILT=13.4%-- --CLAY=1.6%--			3	10 12 13	NP	5
			10		4	9 12 15	NP	4
	625.4	Dense, fine to coarse SAND, some gravel			5	10 15 26	NP	5
	620.4		15		6	10 15 30	NP	3
		Boring terminated at 15.00 ft						
			20					
			25					

GENERAL NOTES

Begin Drilling: 02-12-2010 Complete Drilling: 02-12-2010
Drilling Contractor: WTS Drill Rig: Mobile B-57 TMR
Driller: Phil/Jeromy Logger: B. Wilson Checked by: A. Kurnia
Drilling Method: 3.25-inch ID HSA; Boring Backfilled Upon Completion

WATER LEVEL DATA

While Drilling: DRY
At Completion of Drilling: DRY
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENG 107070 GPJ WANGENG GCT 3/24/10

Wang Engineering, Inc.
Consulting Geotechnical and Environmental Engineers
wangeng@wangeng.com
1145 N Main Street
Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

BORING LOG I6-RB-28

WEI Job No.: 107-07-01

Client: Parsons Brinckerhoff Quade & Douglas, Inc.
Project: Prairie Parkway, Phase II US 34
Location: Plano, IL

Datum: NGVD
Elevation: 647.90 ft
North: 1816948.39 ft
East: 931452.25 ft
Station: 13+95.95
Offset: 59.5 LT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type: recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	647.4	6-inch thick, black SILTY CLAY LOAM --TOPSOIL--			1	5 6 5	NP	3
		Medium dense, black medium SAND, little gravel, slag and cinders --FILL--	5		2	7 7 4	NP	4
					3	4 4 17	NP	4
	630.0	Stiff, brown SANDY CLAY with sandy loam interbeds	10		4	7 13 10	1.25 P	12
	627.4	Medium dense to dense, brown, medium SAND, little gravel			5	5 9 12 12	NP	3
					6	7 20 8 13	NP	3
			15		7	7 9 11 9	NP	4
					8	14 18 14 18	NP	4
					9	7 14 8 17	NP	5
	627.9		20					
		Boring terminated at 20.00 ft						
			25					

GENERAL NOTES

Begin Drilling: 07-28-2006 Complete Drilling: 07-28-2006
Drilling Contractor: Precon Drilling Drill Rig: CME-75 TMR
Driller: K&S Logger: D. C. Checked by: N.Davis
Drilling Method: 3.25" ID Hollow Stem Augers

WATER LEVEL DATA

While Drilling: DRY
At Completion of Drilling: DRY
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENG 107070 GPJ WANGENG GCT 3/24/10

T:\16829-PrairiePkwy-Ph2\Struct\Cadd\Prefinal\US34 Retaining Wall 110478800-66985-010-BOG.dgn
05-MAY-2011 10:31

PB Americas, Inc.
230 WEST MONROE STREET, SUITE 900
CHICAGO, IL. 60606
(312)782-8150

FILE NAME = 0478800-66985-010-BOG.dgn	DESIGNED - Y. Ali	REVISED -	
	CHECKED - M. Shaikh	REVISED -	
PLOT SCALE = NONE	DRAWN - D. C. PATEL	REVISED -	
PLOT DATE = 5/5/2011	CHECKED - J. GRAINAWI	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 047-8800
SHEET NO. 10 OF 13 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	303
		CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			

Wang Engineering, Inc.
Consulting Geotechnical and Environmental Engineers
wangeng@wangeng.com
1145 N Main Street
Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

BORING LOG RW-02

WEI Job No.: 107-07-01

Client: Parsons Brinckerhoff Quade & Douglas, Inc.
Project: Prairie Parkway, Phase II US 34
Location: Plano, IL

Datum: NGVD
Elevation: 647.80 ft
North: 1819958.20 ft
East: 931509.80 ft
Station: 14+53.06
Offset: 88.0 LT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
		Loose to medium dense, black SANDY LOAM --FILL--	5		1	4 5 5	NP	6
	642.3				2	4 4 5	NP	7
		Cobbles and steel Hard drilling --FILL--			3		N/A	
			10		4	50/1	N/A	
	637.3	Medium dense to dense, brown, fine to medium SAND, some gravel and rock fragments			5	15 17 14	NP	6
			15		6	11 15 16	NP	4
					7	6 11 13	NP	4
	629.8	Hard, brown and gray CLAY	20		8	10 17 18	> 4.5 P	15
	627.3	Dense to very dense, brown, fine SAND, little gravel			9	10 18 19	NP	3
	622.8		25		10	13 22 28	NP	3
		Boring terminated at 25.00 ft	30					
			35					
			40					
			45					
			50					

GENERAL NOTES

Begin Drilling: 02-11-2010 Complete Drilling: 02-11-2010
Drilling Contractor: WTS Drill Rig: Mobile B-57 TMR
Driller: Phil/Jeromy Logger: B. Wilson Checked by: A. Kurnia
Drilling Method: 3.25-inch ID HSA; Boring Backfilled Upon Completion

WATER LEVEL DATA

While Drilling: DRY
At Completion of Drilling: DRY
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types: the actual transition may be gradual.

WANGENG INC 107070.GPJ WANGENG.GDT 3/25/10

BORING LOG I6-RB-27

Wang Engineering, Inc.
Consulting Geotechnical and Environmental Engineers
wangeng@wangeng.com
1145 N Main Street
Lombard, IL 60148
Telephone: 630 953-9926
Fax: 630 953-9938

WEI Job No.: 107-07-01

Client: Parsons Brinckerhoff Quade & Douglas, Inc.
Project: Prairie Parkway, Phase II US 34
Location: Plano, IL

Datum: NGVD
Elevation: 648.70 ft
North: 1819962.19 ft
East: 931553.31 ft
Station: 14+95.97
Offset: 85.7 LT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	647.9	6-inch thick black LOAM --TOPSOIL--						
		Loose, black and brown SAND to SANDY LOAM, little gravel, slag and cinders --FILL--	5		1	4 4 4	NP	4
					2	3 4 2	NP	8
	641.7	Medium dense to dense, brown GRAVELLY SAND			3	4 4 3	NP	13
			10		4	7 9 11	NP	4
					5	13 15 16	NP	4
			15		6	12 15 15	NP	4
					7	43 22 13 16	NP	4
	630.2	Hard, brown and gray CLAY	20		8	26 36 14 19	6.56 S	18
					9	15 16 20 24	10.09 S	14
	625.5	Dense, brown GRAVELLY SAND			10	11 16 24 24	5.66 S	15
			25			11		
			30					
		Boring terminated at 30.00 ft	35					
			40					
			45					
			50					

GENERAL NOTES

Begin Drilling: 07-28-2006 Complete Drilling: 07-28-2006
Drilling Contractor: Precon Drilling Drill Rig: CME-75 ATV
Driller: JK Logger: D.C. Checked by: N.Davis
Drilling Method: 3.25 ID Hollow Stem Augers

WATER LEVEL DATA

While Drilling: DRY
At Completion of Drilling: DRY
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types: the actual transition may be gradual.

WANGENG INC 107070.GPJ WANGENG.GDT 3/25/10

BORING LOG RW-03

Wang Engineering, Inc.
Consulting Geotechnical and Environmental Engineers
wangeng@wangeng.com
1145 N Main Street
Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

WEI Job No.: 107-07-01

Client: Parsons Brinckerhoff Quade & Douglas, Inc.
Project: Prairie Parkway, Phase II US 34
Location: Plano, IL

Datum: NGVD
Elevation: 647.60 ft
North: 1819972.70 ft
East: 931613.00 ft
Station: 15+53.99
Offset: 87.3 LT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
		Medium dense, black SANDY LOAM --FILL--	5		1	4 5 5	NP	7
	644.6	Very loose to loose, black SAND --FILL--			2	0 0 3	NP	7
	641.6	--A-3 (0)-- --GRAVEL=6.4%-- --SAND=84.7%-- --SILT=7.1%-- --CLAY=1.8%--	10		3	0 0 0	NP	1
					4	2 1 1	NP	6
	637.1	Very Stiff, brown CLAY LOAM, little gravel			5	3 4 3	2.13 B	19
	634.6	Medium dense to dense, brown LOAM, little to some gravel	15		6	3 8 18	NP	9
					7	10 25 14	NP	10
	629.6	Very dense, brown, fine to medium SAND, some gravel	20		8	10 29 25	NP	5
	627.1	Medium dense to dense, brown SILT			9	13 16 16	NP	18
	623.1	Medium dense, brown	25		10	8 11 10	NP	21
		GRAVELLY fine SAND	30					
	617.6	--A-1-b (0)-- --GRAVEL=15.3%-- --SAND=76.3%-- --SILT=8.2%-- --CLAY=0.2%--	35		11	9 11 10	NP	2
					12	10 12 15	NP	2
		Boring terminated at 35.00 ft			13	9 10 19	NP	2
			40					
			45					
			50					

GENERAL NOTES

Begin Drilling: 02-11-2010 Complete Drilling: 02-11-2010
Drilling Contractor: WTS Drill Rig: Mobile B-57 TMR
Driller: Phil/Jeromy Logger: B. Wilson Checked by: A. Kurnia
Drilling Method: 3.25-inch ID HSA; Boring Backfilled Upon Completion

WATER LEVEL DATA

While Drilling: DRY
At Completion of Drilling: DRY
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types: the actual transition may be gradual.

WANGENG INC 107070.GPJ WANGENG.GDT 3/25/10

T:\16829-PrairiePkwy-Ph2\Struct\Cadd\Prefinal\US34 Retaining Wall 110478800-66985-011-BOG.dgn
05-MAY-2011 10:31

PB Americas, Inc.
230 WEST MONROE STREET, SUITE 900
CHICAGO, IL. 60606
(312)782-8150

FILE NAME = 0478800-66985-011-BOG.dgn	DESIGNED - Y. Ali	REVISED -	
	CHECKED - M. Shaikh	REVISED -	
PLOT SCALE = NONE	DRAWN - D. C. PATEL	REVISED -	
PLOT DATE = 5/5/2011	CHECKED - J. GRAINAWI	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 047-8800
SHEET NO. 11 OF 13 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	304
		CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			

Wang Engineering, Inc.
Consulting Geotechnical and Environmental Engineers
wangeng@wangeng.com
1145 N Main Street
Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

BORING LOG I6-RB-25

WEI Job No.: 107-07-01

Client: Parsons Brinckerhoff Quade & Douglas, Inc.
Project: Prairie Parkway, Phase II US 34
Location: Plano, IL

Datum: NGVD
Elevation: 646.00 ft
North: 1619975.47 ft
East: 931651.74 ft
Station: 15+92.86
Offset: 74.4 LT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type (recovery)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	647.0	12-inch thick, black SILTY CLAY LOAM --TOPSOIL--						
		Medium dense, black, fine to medium SAND with slag and cinders --FILL--			1	3 3 3	NP	4
					2	4 4 6	NP	2
			5		3	9 10 16	NP	21
					4	2 2 7	NP	6
			10		5	2 5 5	NP	9
	632.5	Loose, brown, medium SAND, little gravel			6	4 4 4	NP	4
			15		7	14 31 40	NP	7
	626.0	Very dense, brown SANDY LOAM, little gravel			8	18 40 50/5"	4.50 P	11
		Hard, brown and gray CLAY	20		9	12 13 16 15	7.79 S	14
	618.8				10	5 9 16 23	8.36 S	15
		Dense, brown, medium SAND, little gravel	25		11	19 19 19	NP	5
	620.3				12	12 16 20 20	NP	18
		Medium dense to very dense, brown, medium SAND, little gravel	30		13	9 12 13 15	NP	2
					14	7 11 11 12	NP	3
					15	11 13 14 17	NP	4
			35		16	10 12 18 17	NP	3
					17	12 15 16 12	NP	3
	608.0	Boring terminated at 40.00 ft	40		18	17 26 25 18	NP	2

GENERAL NOTES

Begin Drilling: 07-27-2006 Complete Drilling: 07-28-2006
Drilling Contractor: Precon Drilling Drill Rig: CME-75 TMR
Driller: K&J Logger: D.C. Checked by: N.Davis
Drilling Method: 3.25 ID Hollow Stem Augers

WATER LEVEL DATA

While Drilling: ▽ DRY
At Completion of Drilling: ▼ DRY
Time After Drilling: NA
Depth to Water: ▼ NA

The stratification lines represent the approximate boundary between soil types: the actual transition may be gradual.

WANGENG 107010.GPJ WANGENG.GDT 3/24/10

BORING LOG I6-RB-26

WEI Job No.: 107-07-01

Client: Parsons Brinckerhoff Quade & Douglas, Inc.
Project: Prairie Parkway, Phase II US 34
Location: Plano, IL

Datum: NGVD
Elevation: 626.20 ft
North: 1619900.63 ft
East: 931659.96 ft
Station: 15+98.74
Offset: 0.7 RT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type (recovery)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	626.67	7-inch thick, dark brown SILTY CLAY LOAM --TOPSOIL--						
		Loose, black and brown SANDY LOAM with cinders --FILL--			1	4 5 4 4	NP	17
	622.0	Medium dense, brown SILT			2	4 5 5 9	NP	18
			5		3	6 8 8 7	NP	21
					4	3 4 5 7	NP	24
	617.5	Medium dense, brown, medium SAND	10		5	4 6 8 9	NP	2
	615.2	Boring terminated at 11.00 ft						
			15					
			20					
			25					
			30					
			35					
			40					
			45					
			50					

GENERAL NOTES

Begin Drilling: 07-18-2006 Complete Drilling: 07-18-2006
Drilling Contractor: Precon Drilling Drill Rig: CME-75 TMR
Driller: K&S Logger: R.Bogat Checked by: N.Davis
Drilling Method: 3.25" ID Hollow Stem Augers

WATER LEVEL DATA

While Drilling: ▽ DRY
At Completion of Drilling: ▼ DRY
Time After Drilling: NA
Depth to Water: ▼ NA

The stratification lines represent the approximate boundary between soil types: the actual transition may be gradual.

WANGENG 107010.GPJ WANGENG.GDT 3/24/10

BORING LOG RW-04

WEI Job No.: 107-07-01

Client: Parsons Brinckerhoff Quade & Douglas, Inc.
Project: Prairie Parkway, Phase II US 34
Location: Plano, IL

Datum: NGVD
Elevation: 647.70 ft
North: 1619975.60 ft
East: 931690.90 ft
Station: 16+30.20
Offset: 88.1 LT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type (recovery)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
		Very stiff, brown SILTY CLAY --FILL--			1	3 3 3	2.00 P	26
	644.7	Stiff, brown CLAY LOAM --FILL--	5		2	2 2 2	1.00 P	19
	642.2	Medium dense to dense, brown GRAVELLY fine to medium SAND			3	11 8 8	NP	8
			10		4	8 18 22	NP	5
	630.7	--A-1-b (0)-- --GRAVEL=32.1%-- --SAND=56.2%-- --SILT=10.3%-- --CLAY=1.5%--			5	8 10 11	NP	5
			15		6	6 8 11	NP	4
					7	11 17 17	NP	4
	628.2	Hard, gray CLAY	20		8	10 5 6	4.50 P	5
					9	5 8 8	5.33 B	15
			25		10	8 12 17	9.43 B	14
	622.2	Dense, brown SILT			11	12 14 16	NP	21
	619.7	Medium dense to dense, brown, fine to medium SAND to SANDY LOAM, some gravel	30		12	15 18 23	NP	23
					13	11 10 14	NP	2
			35					
					14	16 19 22	NP	2
	607.7	Boring terminated at 40.00 ft	40					
			45					
			50					

GENERAL NOTES

Begin Drilling: 02-11-2010 Complete Drilling: 02-11-2010
Drilling Contractor: WTS Drill Rig: Mobile B-57 TMR
Driller: Phil/Jeromy Logger: B. Wilson Checked by: A. Kumia
Drilling Method: 3.25-inch ID HSA; Boring Backfilled Upon Completion

WATER LEVEL DATA

While Drilling: ▽ DRY
At Completion of Drilling: ▼ DRY
Time After Drilling: NA
Depth to Water: ▼ NA

The stratification lines represent the approximate boundary between soil types: the actual transition may be gradual.

WANGENG 107010.GPJ WANGENG.GDT 3/24/10

T:\16829-PrairiePkwy-Ph2\Struct\Cadd\Prefinal\US34 Retaining Wall 1\0478800-66985-012-BOG.dgn
05-MAY-2011 10:31

PB Americas, Inc.
230 WEST MONROE STREET, SUITE 900
CHICAGO, IL 60606
(312)782-8150

FILE NAME = 0478800-66985-012-BOG.dgn	DESIGNED - Y. Ait	REVISED -	
	CHECKED - M. Shaikh	REVISED -	
PLOT SCALE = NONE	DRAWN - D. C. PATEL	REVISED -	
PLOT DATE = 5/5/2011	CHECKED - J. GRAINAWI	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 047-8800
SHEET NO. 12 OF 13 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	305
		CONTRACT NO. 66985		
	ILLINOIS	FED. AID PROJECT		

Wang Engineering, Inc.
Consulting Geotechnical and Environmental Engineers
wangeng@wangeng.com
1145 N Main Street
Lombard, IL 60148
Telephone: 630 953-9923
Fax: 630 953-9936

BORING LOG RW-05

WEI Job No.: 107-07-01

Client: **Parsons Brinckerhoff Quade & Douglas, Inc.**
Project: **Prairie Parkway, Phase II US 34**
Location: **Plano, IL**

Datum: NGVD
Elevation: 622.70 ft
North: 1819911.20 ft
East: 931740.90 ft
Station: 16+78.87
Offset: 23.2 LT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	621.9	10 inch-thick Asphalt pavement						
		Brown, fine to coarse GRAVELLY SAND --BASE COURSE--			1		NP	7
	619.7	Medium dense, brown SILT						
	618.0	Medium dense, brown GRAVELLY fine to coarse SAND	5		2	8 10 16	NP	19
					3	6 10 10	NP	6
			10		4	4 8 9	NP	3
					5	6 13 15	NP	2
			15		6	6 12 13	NP	4
	606.7	--A-1-b (0)-- --GRAVEL=46.3%-- --SAND=46.8%-- --SILT=6.6%-- --CLAY=0.3%--			7	9 12 12	NP	2
			20		8	8 12 13	NP	3
					9	8 15 13	NP	4
	596.7	Dense, brown, fine to coarse SAND						
			25		10	19 22 21	NP	2

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	596.7	--A-3 (0)-- --GRAVEL=2.0%-- --SAND=91.2%-- --SILT=6.4%-- --CLAY=0.3%--			11	10 13 22	NP	3
	592.7		30		12	10 15 30	NP	2
		Boring terminated at 30.00 ft						
			35					
			40					
			45					
			50					

GENERAL NOTES

Begin Drilling: 02-15-2010 Complete Drilling: 02-15-2010
Drilling Contractor: WTS Drill Rig: Mobile B-57 TMR
Driller: Phil/Jeromy Logger: B. Wilson Checked by: A. Kurnia
Drilling Method: 3.25-inch ID HSA; Boring Backfilled Upon Completion

WATER LEVEL DATA

While Drilling: DRY
At Completion of Drilling: DRY
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENG INC 107-07-01 PJ WANGENG.GTT 3/29/10

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05-MAY-2011 10:31

PB Americas, Inc.
230 WEST MONROE STREET,
SUITE 900
CHICAGO, IL. 60606
(312)782-8150

FILE NAME = 0478800-66985-013-BOG.dgn	DESIGNED - Y. Ali	REVISED -	
	CHECKED - M. Shaikh	REVISED -	
PLOT SCALE = NONE	DRAWN - D. C. PATEL	REVISED -	
PLOT DATE = 5/5/2011	CHECKED - J. GRAINAWI	REVISED -	

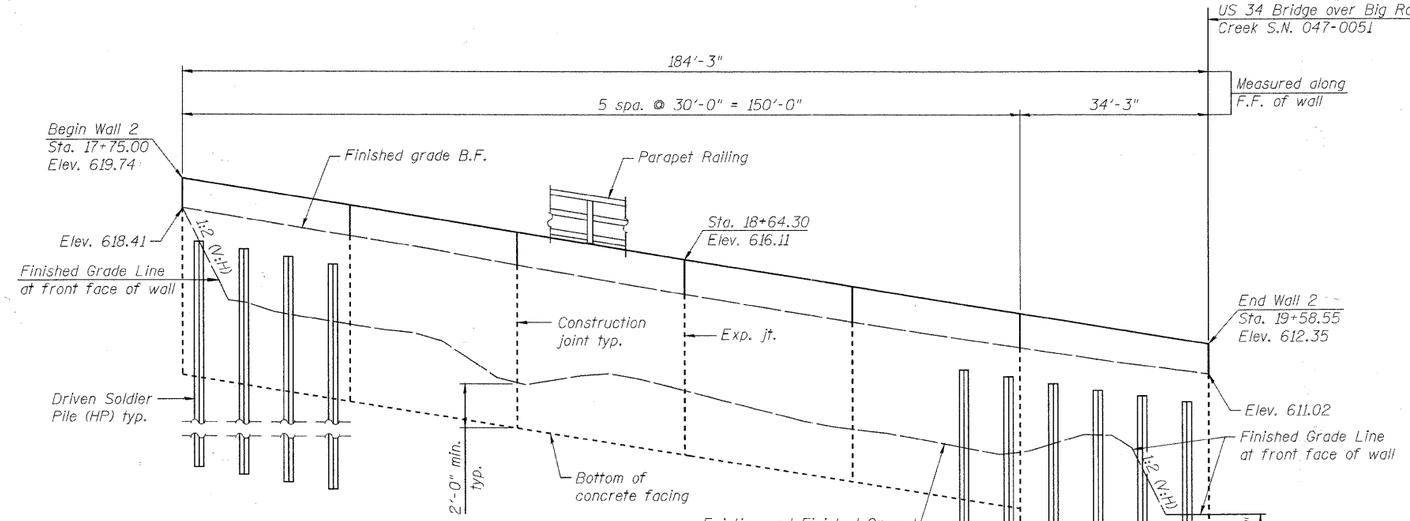
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 047-8800
SHEET NO. 13 OF 13 SHEETS

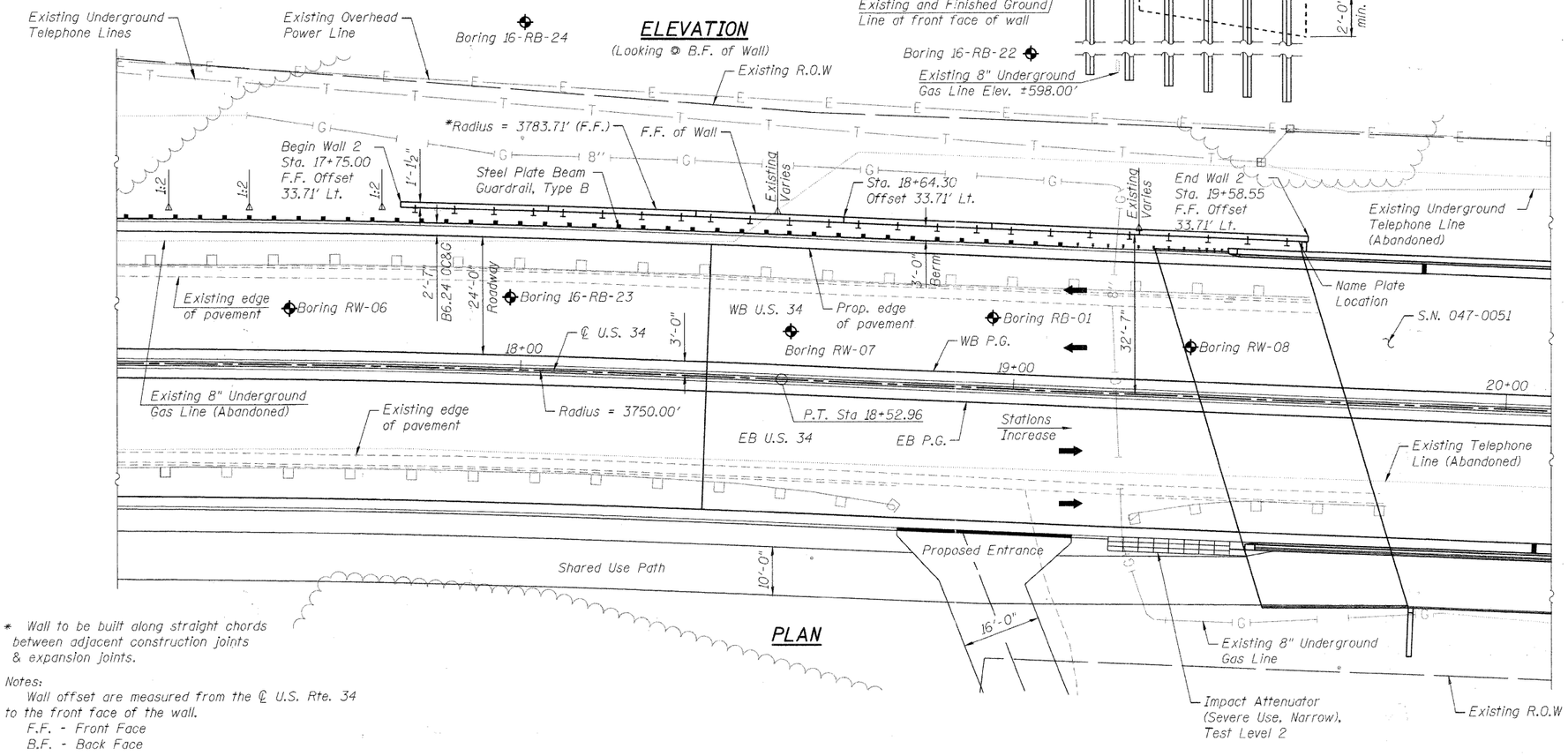
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	306
		CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			

Bench Mark:
(BM#299) Railroad spike in power pole. North side of center line US 34
Sta. 59+72.36, Offset 49.27' Lt., Elev. 646.929.

Existing Structure: None.



ELEVATION
(Looking @ B.F. of Wall)



PLAN

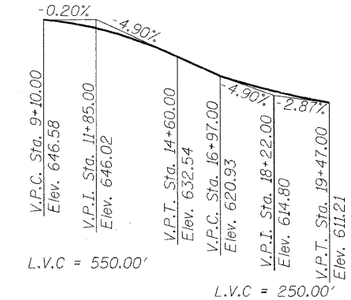
* Wall to be built along straight chords between adjacent construction joints & expansion joints.

Notes:
Wall offset are measured from the ℄ U.S. Rte. 34 to the front face of the wall.
F.F. - Front Face
B.F. - Back Face

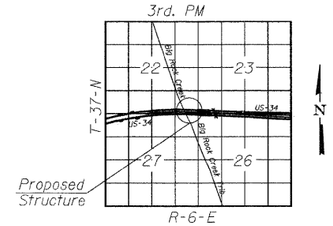
DESIGN SPECIFICATIONS
2002 AASHTO

DESIGN STRESSES
FIELD UNITS
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (AASHTO M270 Grade 50) (Soldier Piles)

CURVE DATA
(U.S. Rte 34 P11-1)
P.I. Sta. = 12+39.83
Δ = 18°-54'-33" (RT)
D = 1°-31'-40"
T = 624.48'
L = 1,237.60'
E = 51.64'
e = 2.2%
R = 3,750.00'
P.C. Sta. = 6+15.36
P.T. Sta. = 18+52.96
T.R. = 66.6'
S.E. Runoff = 73.3'
S.E. Removed from Sta 18+16.33 to Sta 19+56.19



PROFILE GRADE
(along ℄ of U.S. Rte. 34)



LOCATION SKETCH

APPROVED
FOR STRUCTURAL ADEQUACY ONLY
ENGINEER OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS
JAMAL I. GRAINAWI
081-005161
CHICAGO, ILLINOIS
LICENSED STRUCTURAL ENGINEER

Signed Jamal Grainawi
JAMAL I. GRAINAWI, S.E. Il. Lic. No. 081-005161
Expires 11-30-2012.
Date MAY 6, 2011

GENERAL PLAN & ELEVATION
U.S. ROUTE 34
F.A.P RTE. 591 - SEC. 14R-1
KENDALL COUNTY
STATION 17+75.00 TO 19+58.55
STRUCTURE NO. 047-8801

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05-MAY-2011 10:34

PB Americas, Inc.
230 WEST MONROE STREET,
SUITE 900
CHICAGO, IL 60606
(312)782-8150

FILE NAME = 047880l-66985-001-GPE.dgn	DESIGNED - S. CHELBIAN	REVISED -	
	CHECKED - M. Shaikh	REVISED -	
PLOT SCALE = NONE	DRAWN - D. C. PATEL	REVISED -	
PLOT DATE = 5/5/2011	CHECKED - J. GRAINAWI	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
STRUCTURE NO. 047-8801
SHEET NO. 1 OF 11 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	307
		CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			

GENERAL NOTES

Reinforcement bars shall conform to the requirements of ASTM A 706, Grade 60.

Reinforcement bars designated (E) shall be epoxy coated.

The Contractor is responsible for the design and performance of the lagging using no less than a 3" nominal rough-sawn thickness and timber with a minimum allowable bending stress of 1000 psi.

Prior to commencing work, the Contractor shall verify the location of all existing utilities. Work shall be completed in such a manner so as not to disturb or damage the existing utilities.

INDEX OF SHEETS

1	General Plan and Elevation
2	General Data
3-4	Plan and Elevation
5-6	Sections and Details
7	Parapet Railing
8	HP Pile Details
9-11	Soil Boring Logs

STATION 17+75.00 TO 19+58.55
BUILT 20__ BY
STATE OF ILLINOIS
F.A.P RTE. 591 SEC. 14R-1
STRUCTURE NO. 047-8801

NAME PLATE

See Std. 515001

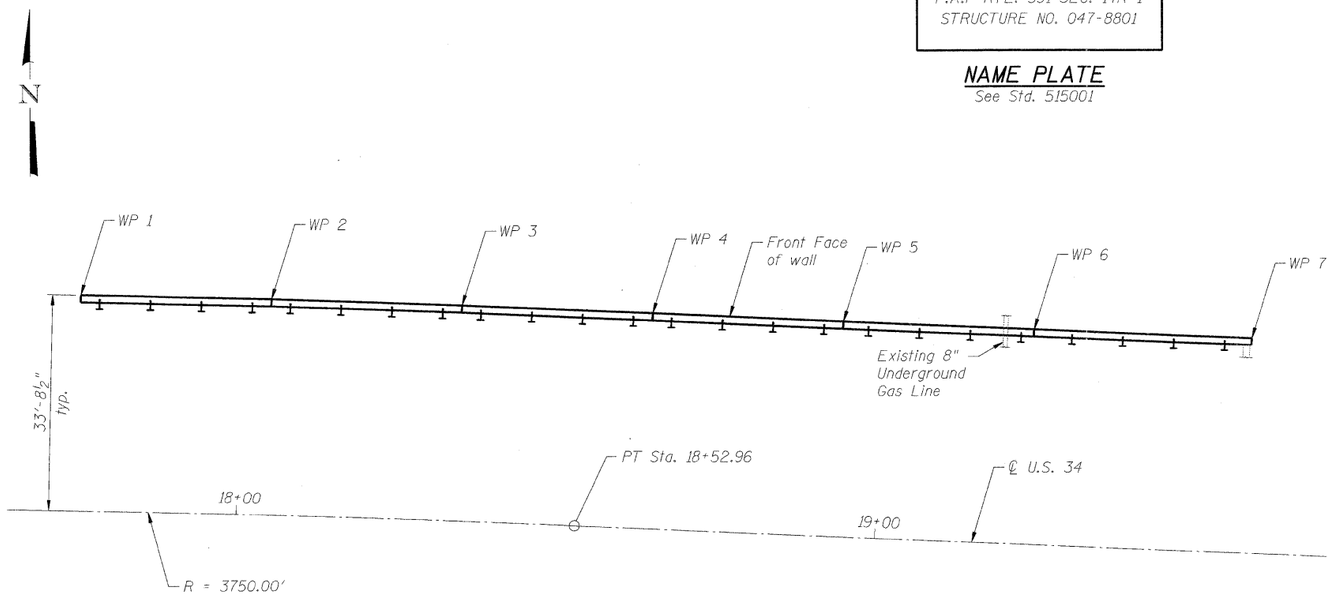
TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Structures	Cu. Yd.	68.6
Protective Coat	Sq. Yd.	51
Form Liner Textured Surface	Sq. Ft.	1416
Stud Shear Connectors	Each	148
Reinforcement Bars, Epoxy Coated	Pound	7330
Parapet Railing	Foot	185
Name Plates	Each	1
Geocomposite Wall Drain	Sq. Yd.	85
Pipe Underdrains for Structures 4"	Foot	185
Driving Soldier Piles	Foot	948
Untreated Timber Lagging	Sq. Ft.	1053
Furnishing Soldier Piles (HP Section)	Foot	1020

Note: Excavation and Backfill are inciuded in the Roadway quantities.

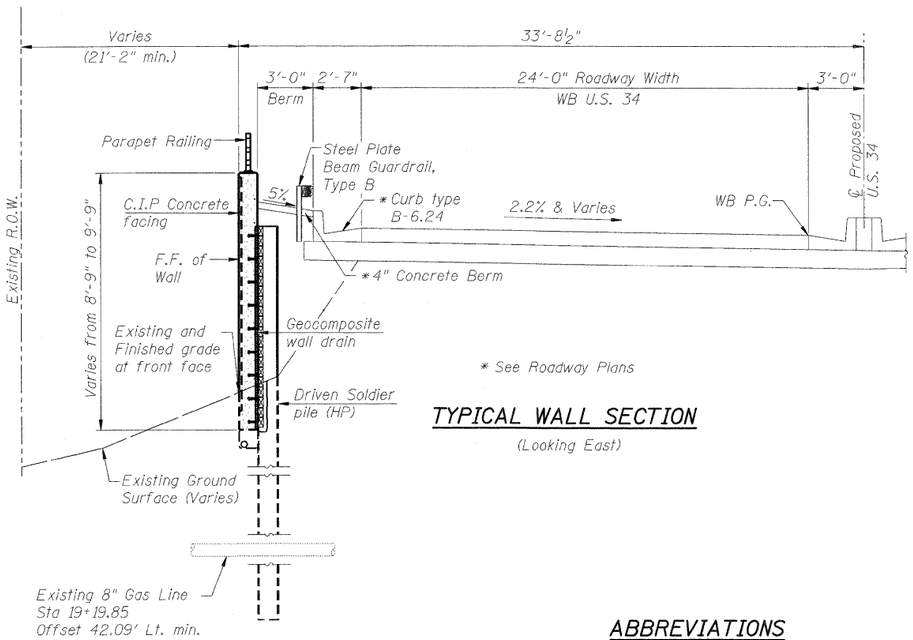
WORK POINTS & WALL ELEVATION

WP No.	Station	Offset Left Ft.	Top/Wall Elev.	Bott./Wall Elev.
1	17+75.00	33.71	619.74	610.99
2	18+04.73	33.71	618.53	609.78
3	18+34.47	33.71	617.32	608.57
4	18+64.30	33.71	616.11	607.36
5	18+94.30	33.71	614.90	606.15
6	19+24.30	33.71	613.69	604.94
6	19+24.30	33.71	613.69	603.94
7	19+58.55	33.71	612.35	602.60



PLAN

(Work point location)



* See Roadway Plans

TYPICAL WALL SECTION

(Looking East)

Note:
Wall to be built along straight chords between adjacent construction joints & expansion joints.

ABBREVIATIONS

E.F.	Each Face
N.F.	Near Face
F.F.	Front Face
B.F.	Back Face
WP	Work Point

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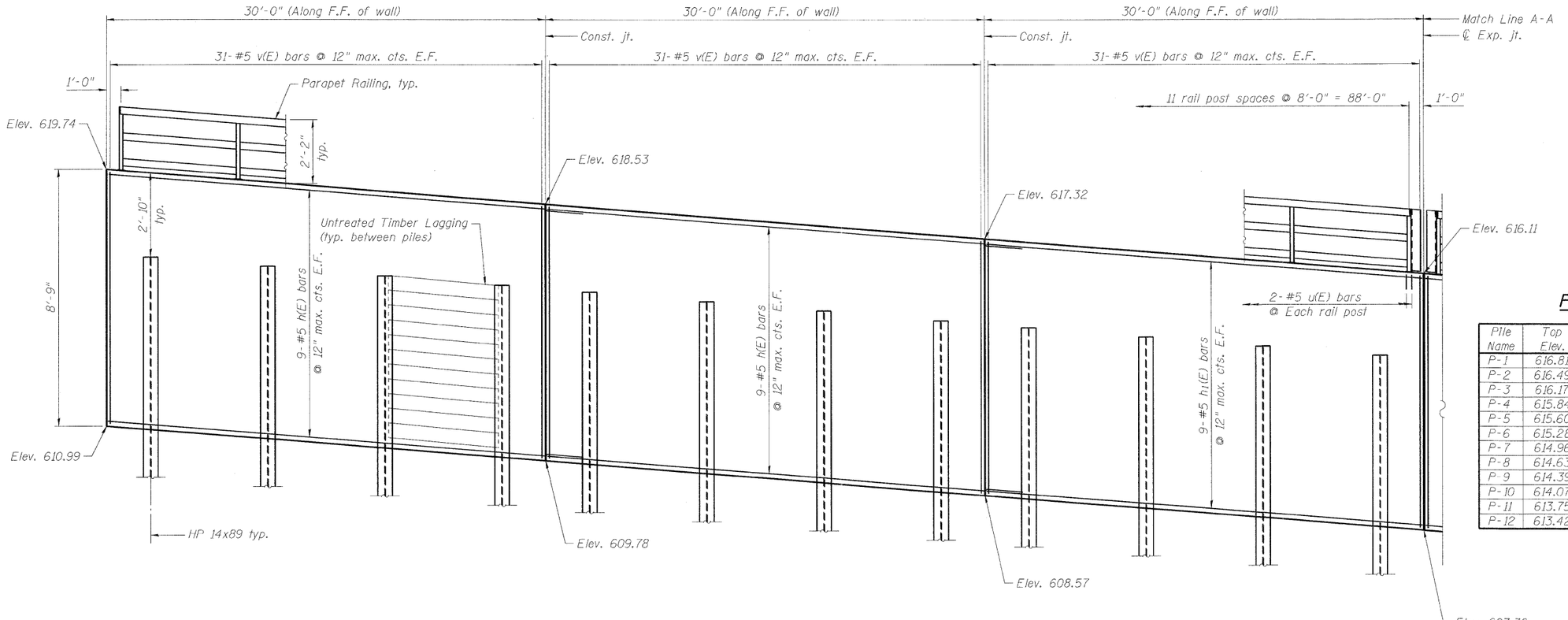
PB Americas, Inc.
230 WEST MONROE STREET.
SUITE 900
CHICAGO, IL. 60606
(312)782-8150

FILE NAME = 20478801-66985-002-DAT.dgn	DESIGNED - S. CHELBIAN	REVISED -	
	CHECKED - M. Shaikh	REVISED -	
PLOT SCALE = NONE	DRAWN - D. C. PATEL	REVISED -	
PLOT DATE = 5/5/2011	CHECKED - J. GRAINAWI	REVISED -	

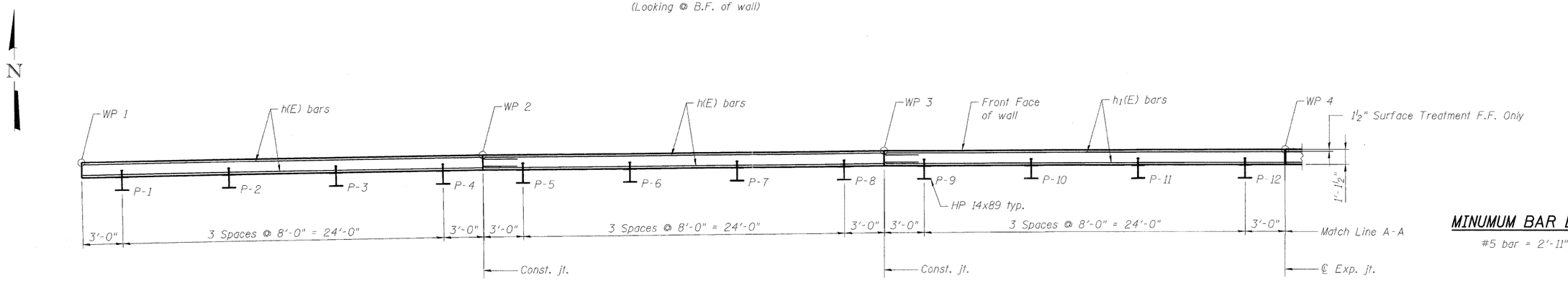
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 047-8801
SHEET NO. 2 OF 11 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	308
		CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			



ELEVATION
(Looking @ B.F. of wall)



PLAN

PILE SCHEDULE

Pile Name	Top Elev.	Bottom Elev.	Length	Shear Studs No.	Shear Studs Spacing
P-1	616.81	574.31	42'-6"	6	12"
P-2	616.49	573.99	42'-6"	6	12"
P-3	616.17	573.67	42'-6"	6	12"
P-4	615.84	573.34	42'-6"	6	12"
P-5	615.60	573.10	42'-6"	6	12"
P-6	615.28	572.78	42'-6"	6	12"
P-7	614.96	572.46	42'-6"	6	12"
P-8	614.63	572.13	42'-6"	6	12"
P-9	614.39	571.89	42'-6"	6	12"
P-10	614.07	571.57	42'-6"	6	12"
P-11	613.75	571.25	42'-6"	6	12"
P-12	613.42	570.92	42'-6"	6	12"

MINUMUM BAR LAP
#5 bar = 2'-11"

Notes:
Wall to be built along straight chords between adjacent construction joints & expansion joints.
For Match Line A-A, see sheet 4 of 11.
For Parapet Railing Details, see sheet 7 of 11.
For Sections and Details, see sheets 5 and 6 of 11.
For Bill of Material, see sheet 6 of 11.

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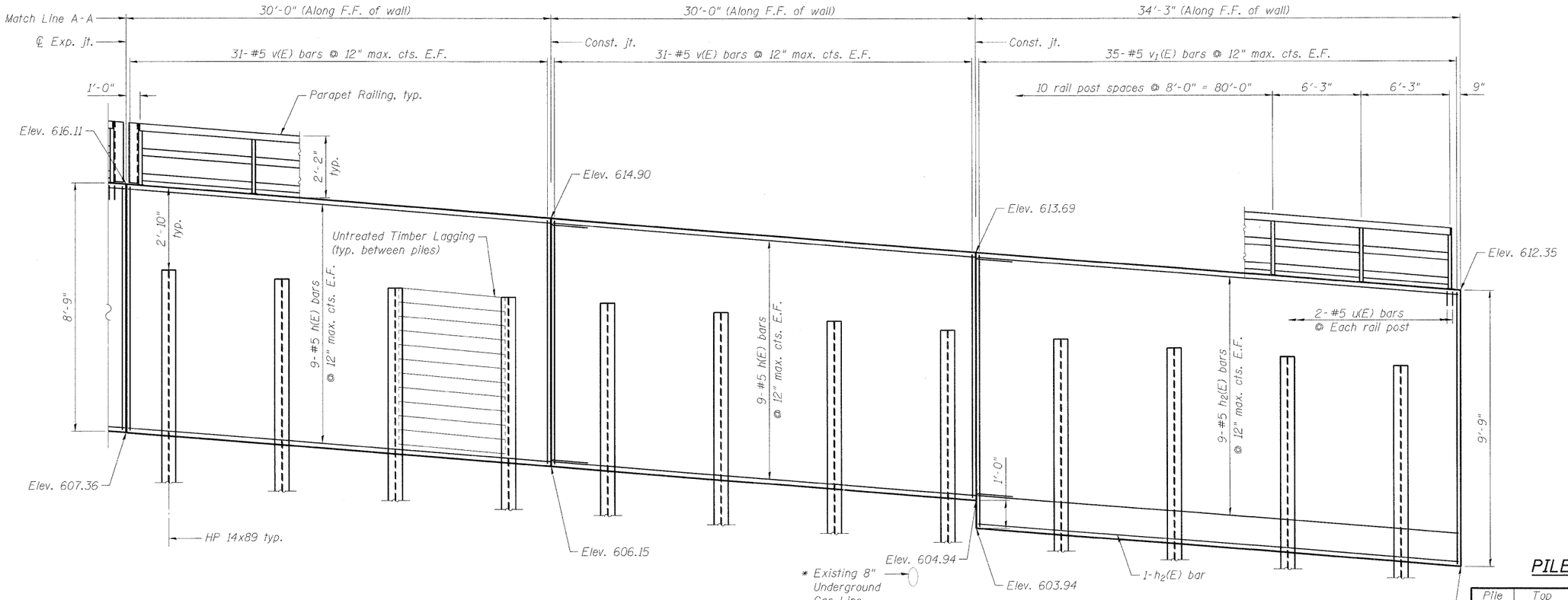
PB Americas, Inc.
230 WEST MONROE STREET, SUITE 900
CHICAGO, IL. 60606
(312)782-8150

FILE NAME = 0478801-66985-003-P&E.dgn	DESIGNED - S. CHELBIAN	REVISED -	
	CHECKED - M. Shaikh	REVISED -	
PLOT SCALE = NONE	DRAWN - D. C. PATEL	REVISED -	
PLOT DATE = 5/5/2011	CHECKED - J. GRAINAWI	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

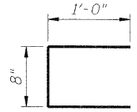
PLAN AND ELEVATION
STRUCTURE NO. 047-8801
SHEET NO. 3 OF 11 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	309
		CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			



ELEVATION

(Looking @ B.F. of wall)



BAR u(E)

MINUMUM BAR LAP

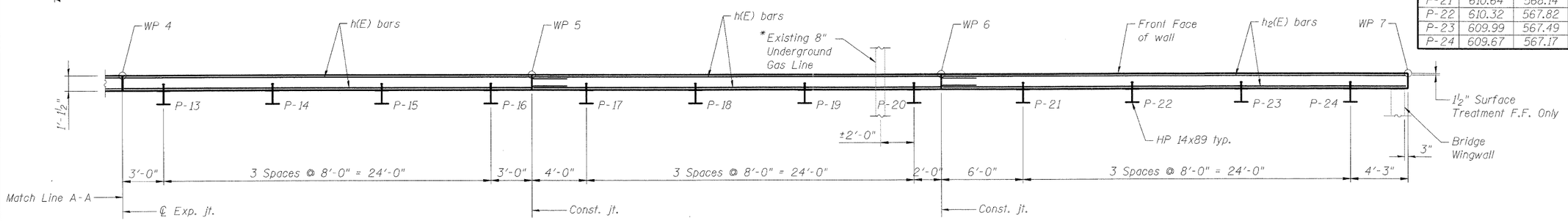
#5 bar = 2'-11"

PILE SCHEDULE

Pile Name	Top Elev.	Bottom Elev.	Length	Shear Studs No.	Shear Studs Spacing
P-13	613.18	570.68	42'-6"	6	12"
P-14	612.86	570.36	42'-6"	6	12"
P-15	612.54	570.04	42'-6"	6	12"
P-16	612.21	569.71	42'-6"	6	12"
P-17	611.93	569.43	42'-6"	6	12"
P-18	611.61	569.11	42'-6"	6	12"
P-19	611.29	568.79	42'-6"	6	12"
P-20	610.96	568.46	42'-6"	6	12"
P-21	610.64	568.14	42'-6"	7	12"
P-22	610.32	567.82	42'-6"	7	12"
P-23	609.99	567.49	42'-6"	7	12"
P-24	609.67	567.17	42'-6"	7	12"

N

* The contractor shall verify the location of all existing utilities. The Soldier Piles shall be installed with care in order not to disturb or damage the existing underground utilities.



PLAN

Notes:
Wall to be built along straight chords between adjacent construction joints & expansion joints.
For Match Line A-A, see sheet 3 of 11.
For Parapet Railing Details, see sheet 7 of 11.
For Sections and Details, see sheets 5 and 6 of 11.
For Bill of Material, see sheet 6 of 11.

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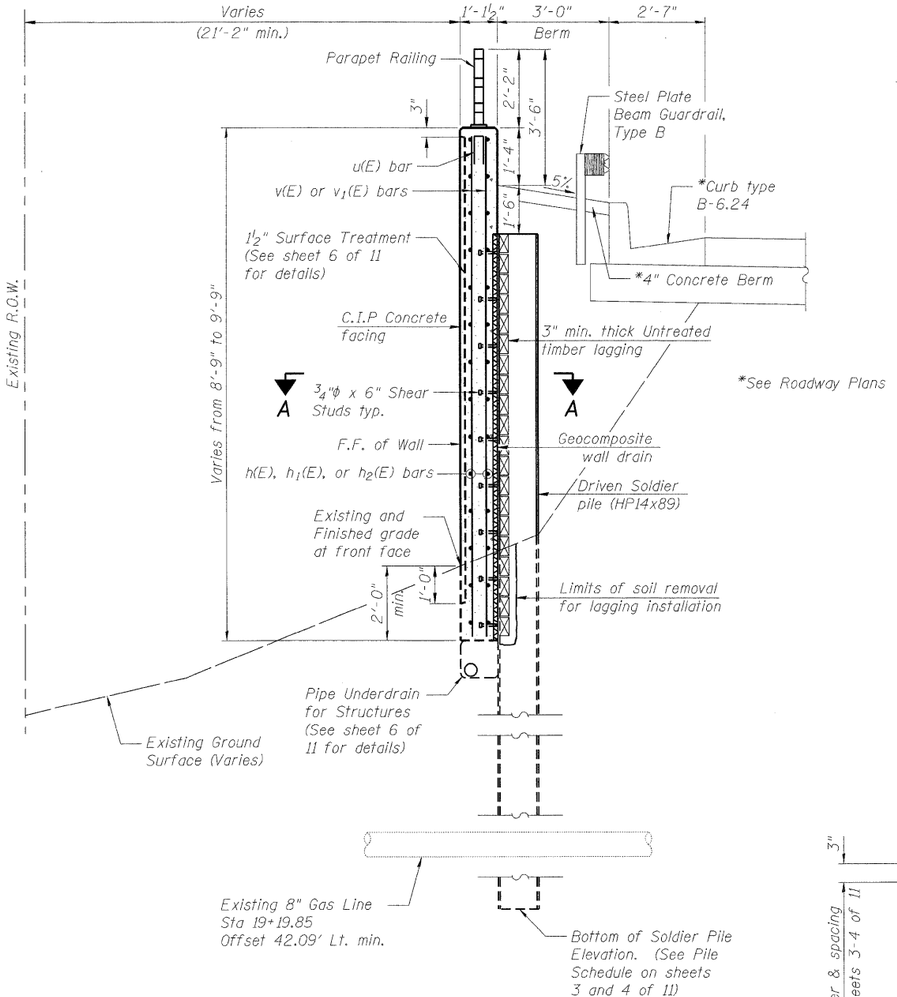
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(312)782-8150

FILE NAME = 20478801-66985-004-P&E.dgn	DESIGNED - S. CHELBIAN	REVISED -	
	CHECKED - M. Shaikh	REVISED -	
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PLOT DATE = 5/5/2011	CHECKED - J. GRAINAWI	REVISED -	

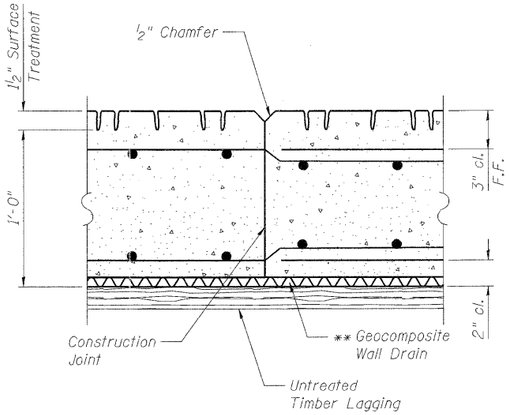
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND ELEVATION
STRUCTURE NO. 047-8801
SHEET NO. 4 OF 11 SHEETS

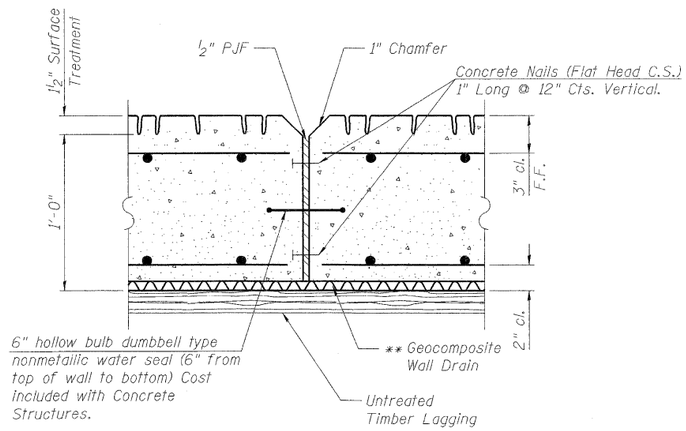
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	310
		CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			



SECTION THRU WALL

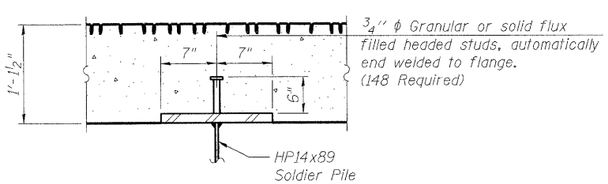


CONSTRUCTION JOINT DETAIL

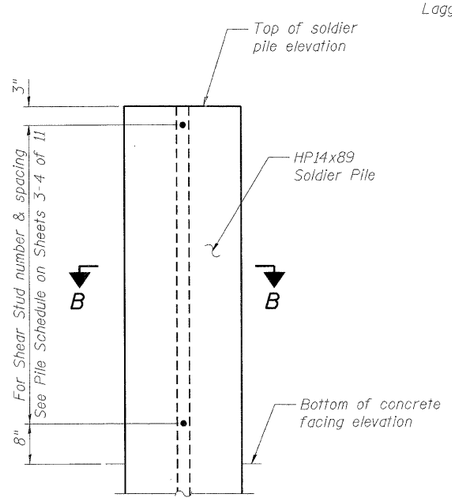


EXPANSION JOINT DETAIL

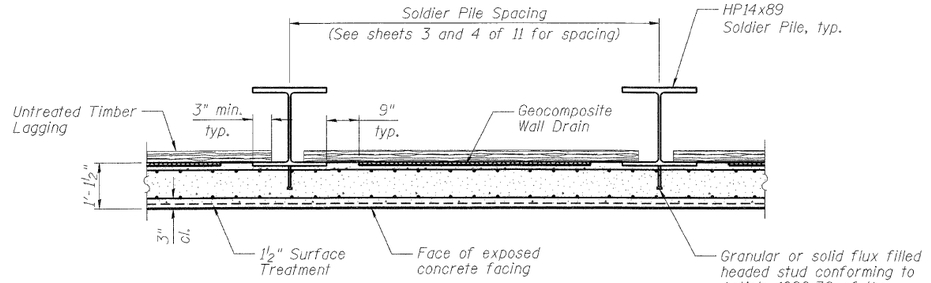
** Geocomposite Wall Drain shall not have a thickness greater than ½".



SECTION B-B



SHEAR STUD DETAIL



SECTION A-A

(Section rotated 90° for clarity)

Notes:

For Parapet Railing details, see sheet 7 of 11.
For Bill of Material, see sheet 6 of 11.

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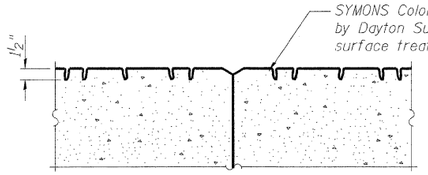
PB Americas, Inc.
230 WEST MONROE STREET,
SUITE 900
CHICAGO, IL. 60606
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FILE NAME = 0478801-66985-005-DET.dgn	DESIGNED - S. CHELBIAN	REVISED -
	CHECKED - M. Shalkh	REVISED -
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PLOT DATE = 5/5/2011	CHECKED - J. GRAINAWI	REVISED -

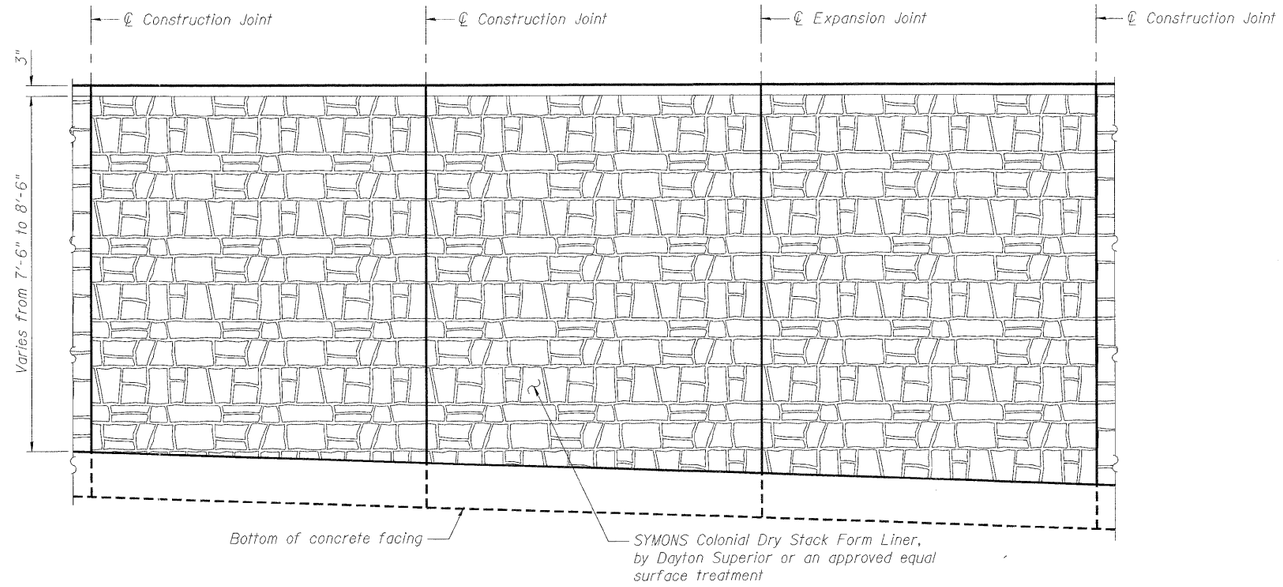
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SECTIONS AND DETAILS
STRUCTURE NO. 047-8801
SHEET NO. 5 OF 11 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	311
		CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			

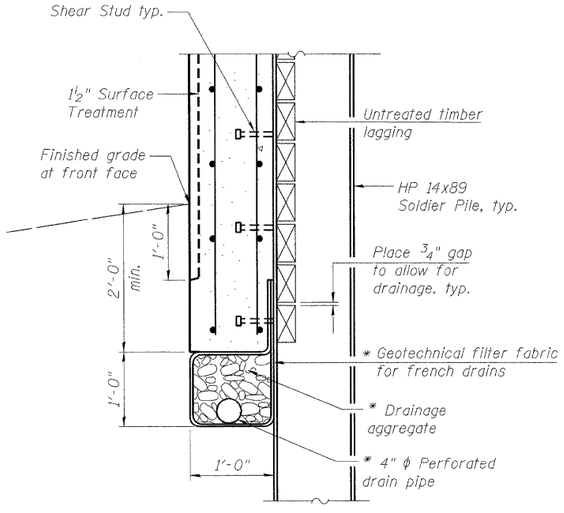


SURFACE TREATMENT DETAIL

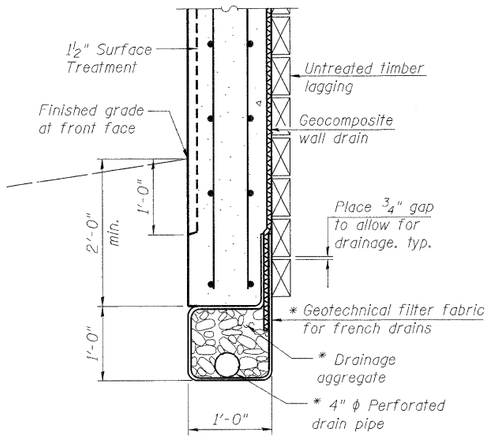


ELEVATION - TYPICAL SURFACE TREATMENT

(Front Face of Wall)



PIPE UNDERDRAIN DETAIL AT SOLDIER PILE



PIPE UNDERDRAIN DETAIL BETWEEN SOLDIER PILES

* Included in the cost of Pipe Underdrains for Structures.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	72	#5	32'-11"	——
h_1(E)	18	#5	29'-10"	——
h_2(E)	20	#5	34'-1"	——
u(E)	50	#5	2'-8"	⊓
v(E)	310	#5	8'-6"	——
v_1(E)	70	#5	9'-6"	——
Stud Shear Connectors		Each	148	
Reinforcement Bars, Epoxy Coated		Pound	7330	
Concrete Structure		Cu. Yd.	68.6	
Driving Soldier Piles		Foot	948	
Furnishing Soldier Piles (HP Section)		Foot	1020	
Geocomposite Wall Drain		Sq. Yd.	85	
Untreated Timber Lagging		Sq. Ft.	1053	
Pipe Underdrains for Structures 4"		Foot	185	

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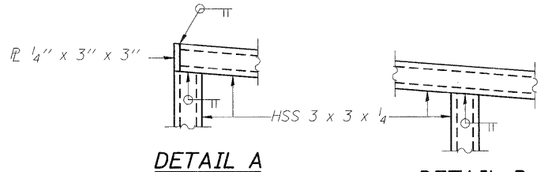
PB Americas, Inc.
230 WEST MONROE STREET, SUITE 900
CHICAGO, IL. 60606
(312)782-8150

FILE NAME = 0478801-66985-006-DET.dgn	DESIGNED - S. CHELBIAN	REVISED -
	CHECKED - M. Shaikh	REVISED -
PLOT SCALE = NONE	DRAWN - D. C. PATEL	REVISED -
PLOT DATE = 5/5/2011	CHECKED - J. GRAINAWI	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

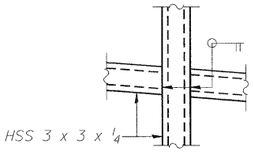
SECTIONS AND DETAILS
STRUCTURE NO. 047-8801
SHEET NO. 6 OF 11 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	312
		CONTRACT NO. 66985		
	ILLINOIS	FED. AID PROJECT		



DETAIL A

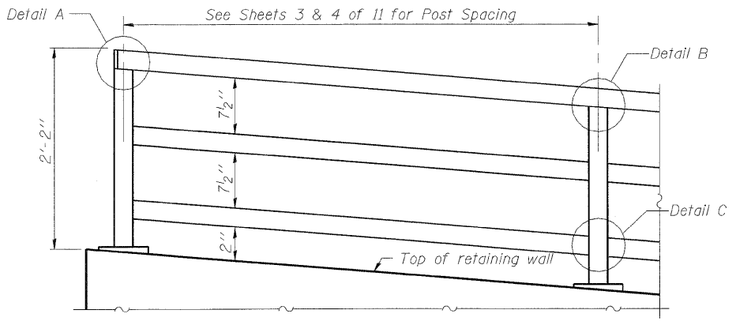
DETAIL B



DETAIL C

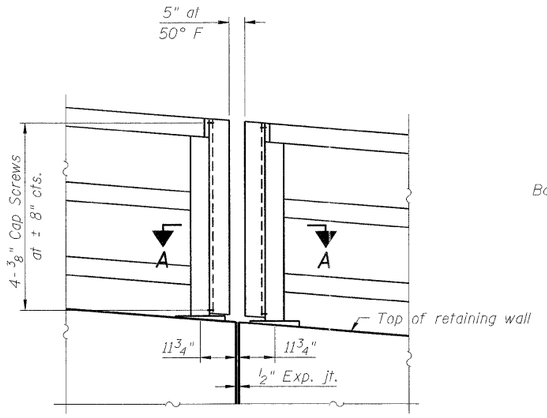
Note:

All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.



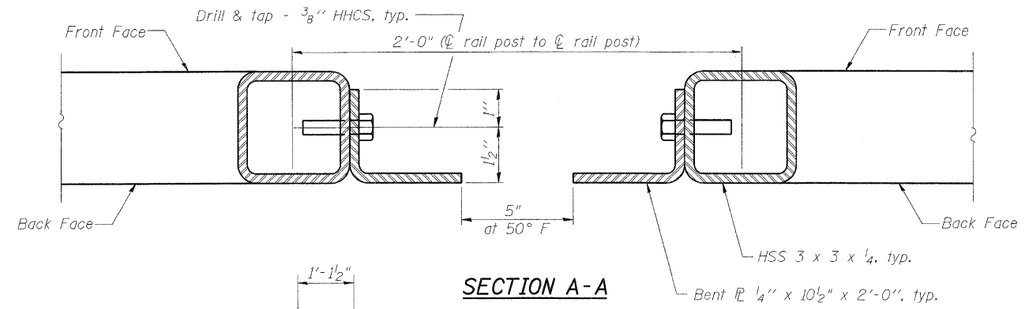
PARAPET RAILING ELEVATION

(Looking @ B.F. of wall)

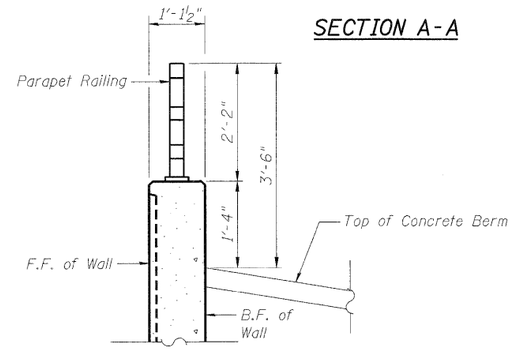


PARAPET RAILING ELEVATION AT EXPANSION JOINT

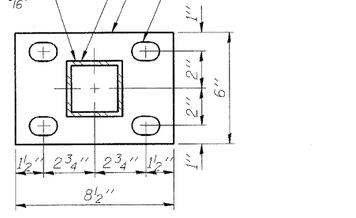
(Looking @ B.F. of wall)



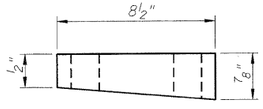
SECTION A-A



SECTION THRU WALL

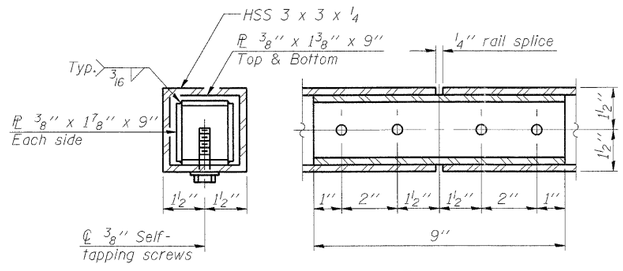


PLAN

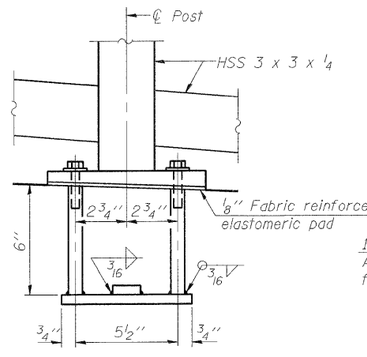


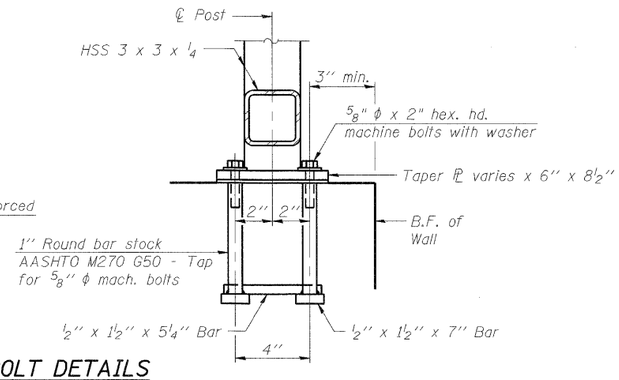
ELEVATION

TAPER BASE PL DETAILS



RAIL SPLICE





ANCHOR BOLT DETAILS

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" ϕ anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

BILL OF MATERIAL

Item	Unit	Quantity
Parapet Railing	Foot	185

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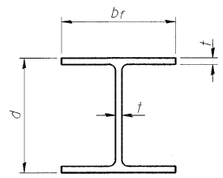
PB Americas, Inc.
230 WEST MONROE STREET, SUITE 900
CHICAGO, IL. 60606
(312)782-8150

FILE NAME = 047880l-66985-007-R29.dgn	DESIGNED - S. CHELBIAN	REVISED -	
	CHECKED - M. Shaikh	REVISED -	
PLOT SCALE = NONE	DRAWN - D. C. PATEL	REVISED -	
PLOT DATE = 5/5/2011	CHECKED - J. GRAINAWI	REVISED -	

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DEPARTMENT OF TRANSPORTATION

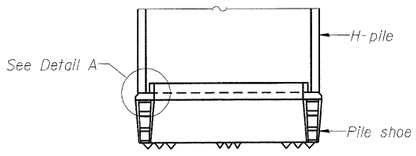
PARAPET RAILING
STRUCTURE NO. 047-8801
SHEET NO. 7 OF 11 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	313
		CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			

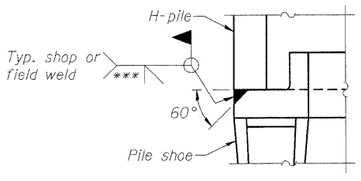


STEEL PILE TABLE

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

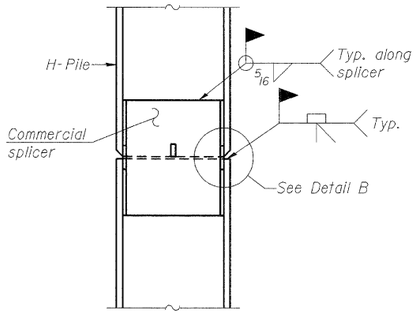


ELEVATION

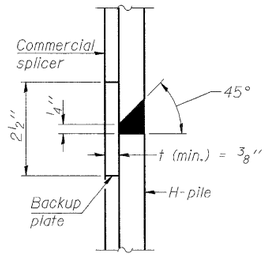


DETAIL A

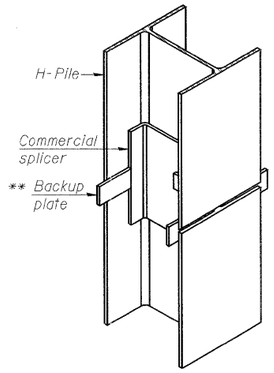
H-PILE SHOE ATTACHMENT



ELEVATION

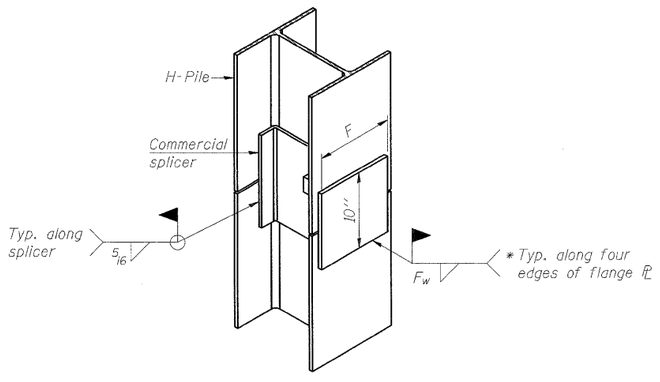


DETAIL "B"



ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE



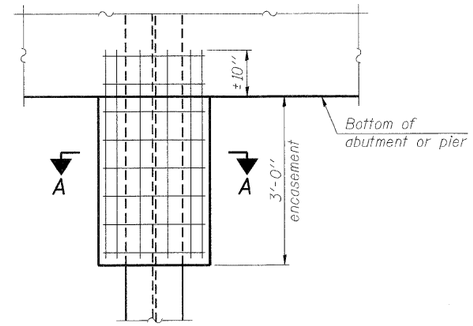
ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE ALTERNATE

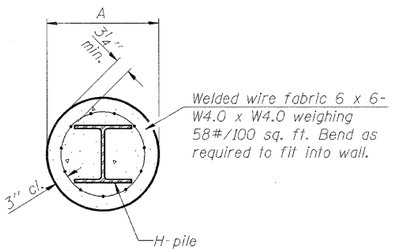
* Interrupt welds $\frac{1}{4}''$ from end of web and/or each flange.

** Remove portions of backup plates that extend outside the flanges.

*** Weld size per pile shoe manufacturer ($\frac{5}{16}''$ min.).



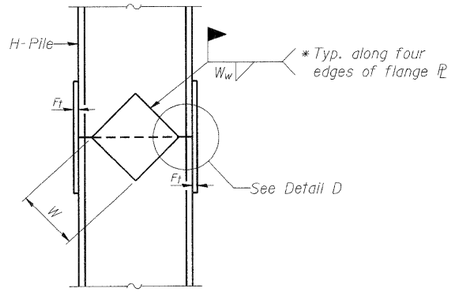
ELEVATION



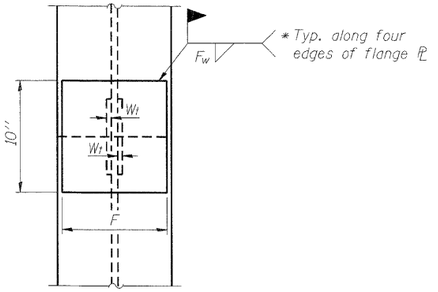
Note:
Forms for encasement may be omitted when soil conditions permit.

SECTION A-A

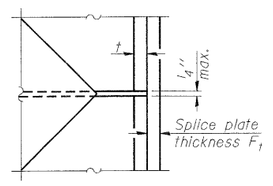
PILE ENCASEMENT



ELEVATION



END VIEW



DETAIL D

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

WELDED PLATE FIELD SPLICE

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

F-HP 7-1-10

PB Americas, Inc.
230 WEST MONROE STREET, SUITE 900
CHICAGO, IL. 60606
(312)782-8150

FILE NAME = 0478801-66985-008-FHP.dgn	DESIGNED - S. CHELBIAN	REVISED -
	CHECKED - M. Shaikh	REVISED -
PLOT SCALE = NONE	DRAWN - D. C. PATEL	REVISED -
PLOT DATE = 5/5/2011	CHECKED - J. GRAINAWI	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HP PILE DETAILS
STRUCTURE NO. 047-8801
SHEET NO. 8 OF 11 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	314
		CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			

T:\16829-PrairiePkwy-Ph2\Struct\Cadd\Prefinal\US34 Retaining Wall 2\0478801-66985-008-FHP.dgn
05-MAY-2011 10:34

Wang Engineering, Inc.
Consulting Geotechnical and Environmental Engineers
wangeng@wangeng.com
1145 N Main Street
Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

BORING LOG RW-06

WEI Job No.: 107-07-01

Client: Parsons Brinckerhoff Quade & Douglas, Inc.
Project: Prairie Parkway, Phase II US 34
Location: Plano, IL

Datum: NGVD
Elevation: 616.40 ft
North: 1819901.00 ft
East: 931815.30 ft
Station: 17+52.93
Offset: 13.5 LT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	617.6	10 inch-thick Asphalt pavement							
		24 inch-thick fine to coarse GRAVELLY SAND --BASE COURSE--				1		NP	8
	615.6	Medium dense, fine to coarse GRAVELLY SAND --FILL--	5			2	9 7 8	NP	7
	612.9	Medium stiff to stiff, brown and gray CLAY LOAM, some gravel --FILL--				3	4 4 3	1.25 P	14
			10			4	6 4 4	0.75 P	16
						5	4 3 1	0.50 P	17
	603.4	No Recovery	15			6	3 4 3	NR	
						7	3 4 4	0.50 P	13
	600.4	Medium dense, brown, fine SAND							
	596.4		20			8	6 10 13	NP	3
		Boring terminated at 20.00 ft							
			25						

GENERAL NOTES

Begin Drilling: 02-12-2010 Complete Drilling: 02-12-2010
Drilling Contractor: WTS Drill Rig: Mobile B-57 TMR
Driller: Phil/Jeromy Logger: B. Wilson Checked by: A. Kurnia
Drilling Method: 3.25-inch ID HSA; Boring Backfilled Upon Completion

WATER LEVEL DATA

While Drilling: DRY
At Completion of Drilling: DRY
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENG ICN701.GPJ WANGENG.GCT 2/24/10

Wang Engineering, Inc.
Consulting Geotechnical and Environmental Engineers
wangeng@wangeng.com
1145 N Main Street
Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

BORING LOG I6-RB-23

WEI Job No.: 107-07-01

Client: Parsons Brinckerhoff Quade & Douglas, Inc.
Project: Prairie Parkway, Phase II US 34
Location: Plano, IL

Datum: NGVD
Elevation: 616.50 ft
North: 1819901.29 ft
East: 931880.07 ft
Station: 17+98.91
Offset: 0.6 RT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	615.8	9-inch thick ASPHALT --PAVEMENT--							
		Loose to medium dense, brown SAND to SANDY LOAM				1	7 7 8	NP	9
	613.5	Medium dense, brown SAND LOAM	5			2	3 4 5 5	NP	9
						3	3 4 5 9	NP	11
						4	4 4 4 5	NP	9
			10			5	3 4 3 6	NP	15
	605.5	Boring terminated at 11.00 ft							
			15						
			20						
			25						

GENERAL NOTES

Begin Drilling: 07-18-2006 Complete Drilling: 07-18-2006
Drilling Contractor: Precon Drilling Drill Rig: CME-75 TMR
Driller: K&S Logger: R.Bogat Checked by: N.Davis
Drilling Method: 3.25" ID Hollow Stem Augers

WATER LEVEL DATA

While Drilling: DRY
At Completion of Drilling: DRY
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENG ICN701.GPJ WANGENG.GCT 2/24/10

Wang Engineering, Inc.
Consulting Geotechnical and Environmental Engineers
wangeng@wangeng.com
1145 N Main Street
Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

BORING LOG I6-RB-24

WEI Job No.: 107-07-01

Client: Parsons Brinckerhoff Quade & Douglas, Inc.
Project: Prairie Parkway, Phase II US 34
Location: Plano, IL

Datum: NGVD
Elevation: 600.40 ft
North: 1819957.36 ft
East: 931863.15 ft
Station: 18+00.52
Offset: 55.5 LT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
		12-inch thick, dark brown LOAM							
	599.4	--TOPSOIL-- Medium dense, brown LOAM to SANDY LOAM				1	4 6 4 8	NP	24
						2	3 3 6 7	NP	11
			5			3	6 6 7 7	NP	14
	594.4	Medium stiff, dark gray SILTY CLAY				4	3 4 5 7	0.90 S	24
	591.9	Medium dense, medium to coarse grained SAND to GRAVELLY SAND				5	4 12 22 16	NP	4
			10			6	7 9 14 15	NP	4
						7	7 9 18 10	NP	13
			15			8	5 6 7 7	NP	18
						9	3 5 7 8	NP	22
						10	3 5 8 11	NP	20
	580.4	Boring terminated at 20.00 ft	20						
			25						

GENERAL NOTES

Begin Drilling: 07-19-2006 Complete Drilling: 07-19-2006
Drilling Contractor: Precon Drilling Drill Rig: CME-45 TMR
Driller: K&S Logger: H. Suhail Checked by: N.Davis
Drilling Method: 3.25" ID Hollow Stem Augers

WATER LEVEL DATA

While Drilling: 12.00 ft
At Completion of Drilling: 12.50 ft
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

WANGENG ICN701.GPJ WANGENG.GCT 2/24/10

T:\16829-PrairiePkwy-Ph2\StructCadd\Prefinal\US34 Retaining Wall 2\047880I-66985-009-BOG.dgn
05-MAY-2011 10:34

PB Americas, Inc.
230 WEST MONROE STREET,
SUITE 900
CHICAGO, IL. 60606
(312)782-8150

FILE NAME = 047880I-66985-009-BOG.dgn	DESIGNED - S. CHELBIAN	REVISED -	
	CHECKED - M. Shaikh	REVISED -	
PLOT SCALE = NONE	DRAWN - D. C. PATEL	REVISED -	
PLOT DATE = 5/5/2011	CHECKED - J. GRAINAWI	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 047-8801
SHEET NO. 9 OF 11 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	315
		CONTRACT NO. 66985		
	ILLINOIS	FED. AID PROJECT		

Wang Engineering, Inc.
Consulting Geotechnical and Environmental Engineers
wangeng@wangeng.com
1145 N Main Street
Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

BORING LOG RW-07

WEI Job No.: 107-07-01

Client: Parsons Brinckerhoff Quade & Douglas, Inc.
Project: Prairie Parkway, Phase II US 34
Location: Plano, IL

Datum: NGVD
Elevation: 613.90 ft
North: 1819886.70 ft
East: 931917.40 ft
Station: 16+54.82
Offset: 12.3 LT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / Recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	613.1	10 inch-thick Asphalt pavement						
		Medium to coarse SAND and GRAVEL --BASE COURSE--			1	6 7 8	NP	7
	611.1	Medium dense, CRUSHED STONE and rock fragments --FILL--	5		2	12 9 6	NP	10
	608.4	Stiff, brown and gray CLAY LOAM, some gravel --FILL-- Moisture content from cuttings			3	6 7 7	NR	16
			10		4	2 2 5	1.25 P	19
	603.1	Medium dense, brown SANDY LOAM, some gravel --FILL--			5	6 7 8	NP	6
	600.9	Medium stiff to stiff, brown and gray to gray CLAY LOAM, some gravel --FILL--	15		6	4 9 9	0.75 P	10
					7	3 3 5	1.00 P	15
	593.9	Boring terminated at 20.00 ft	20		8	2 3 7	0.50 P	14
			25					

WANGENG_1070101.GPJ WANGENG.GDT 3/26/10

GENERAL NOTES

Begin Drilling: 02-12-2010 Complete Drilling: 02-12-2010
Drilling Contractor: WTS Drill Rig: Mobile B-57 TMR
Driller: Phil/Jeromy Logger: B. Wilson Checked by: A. Kurnia
Drilling Method: 3.25-inch ID HSA; Boring Backfilled Upon Completion

WATER LEVEL DATA

While Drilling: DRY
At Completion of Drilling: DRY
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

Wang Engineering, Inc.
Consulting Geotechnical and Environmental Engineers
wangeng@wangeng.com
1145 N Main Street
Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

BORING LOG I6-RB-01

WEI Job No.: 107-07-01

Client: Parsons Brinckerhoff Quade & Douglas, Inc.
Project: Prairie Parkway, Phase II US 34
Location: Plano, IL

Datum: NGVD
Elevation: 612.60 ft
North: 1819697.18 ft
East: 931957.97 ft
Station: 18+96.90
Offset: 1.3 RT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / Recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	612.1	12-inch thick ASPHALT --PAVEMENT--						
	611.6	Medium dense to dense, brown SAND, little gravel			1	23 18 15 13	NP	4
			5		2	11 8 7 6	NP	5
					3	7 7 8 8	NP	8
	606.1	Medium stiff to stiff , brown SILTY CLAY			4	3 3 4 4	0.50 P	9
			10		5	4 3 2 3	1.25 P	11
	601.0	Boring terminated at 11.00 ft						
			15					
			20					
			25					

WANGENG_1070101.GPJ WANGENG.GDT 3/26/10

GENERAL NOTES

Begin Drilling: 07-18-2006 Complete Drilling: 07-18-2006
Drilling Contractor: Precon Drilling Drill Rig: CME-75 TMR
Driller: K&S Logger: R.Bogat Checked by: N.Davis
Drilling Method: 3.25 ID Hollow Stem Augers

WATER LEVEL DATA

While Drilling: DRY
At Completion of Drilling: DRY
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

Wang Engineering, Inc.
Consulting Geotechnical and Environmental Engineers
wangeng@wangeng.com
1145 N Main Street
Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

BORING LOG I6-RB-22

WEI Job No.: 107-07-01

Client: Parsons Brinckerhoff Quade & Douglas, Inc.
Project: Prairie Parkway, Phase II US 34
Location: Plano, IL

Datum: NGVD
Elevation: 597.90 ft
North: 1819950.81 ft
East: 931962.42 ft
Station: 18+89.41
Offset: 52.4 LT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type / Recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	597.2	9-Inch thick, dark brown LOAM --TOPSOIL--						
		Medium dense, dark brown LOAM			1	10 19 10 12	NP	7
	594.9	Medium dense to dense, medium to coarse grained SAND to GRAVELLY SAND			2	4 4 5 7	NR	
			5		3	4 6 10 13	NP	4
					4	8 18 30 26	NP	3
					5	9 17 15 10	NP	6
			10		6	10 10 10 9	NP	26
					7	4 10 16 17	NP	15
			15		8	10 12 11 12	NP	15
	581.9	Boring terminated at 16.00 ft						
			20					
			25					

WANGENG_1070101.GPJ WANGENG.GDT 3/26/10

GENERAL NOTES

Begin Drilling: 07-19-2006 Complete Drilling: 07-19-2006
Drilling Contractor: Precon Drilling Drill Rig: CME-45 TMR
Driller: K&S Logger: H. Suhail Checked by: N.Davis
Drilling Method: 3.25" ID Hollow Stem Augers

WATER LEVEL DATA

While Drilling: 8.75 ft
At Completion of Drilling: 12.00 ft
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

T:\16829-PrairiePkwy-Ph2\Struct\Cadd\Prefinal\US34 Retaining Wall 2\0478801-66985-010-BOG.dgn
05-MAY-2011 10:34

PB Americas, Inc.
230 WEST MONROE STREET,
SUITE 900
CHICAGO, IL 60606
(312)782-8150

FILE NAME = 0478801-66985-010-BOG.dgn	DESIGNED - S. CHELBIAN	REVISED -	
	CHECKED - M. Shaikh	REVISED -	
PLOT SCALE = NONE	DRAWN - D. C. PATEL	REVISED -	
PLOT DATE = 5/5/2011	CHECKED - J. GRAINAWI	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 047-8801
SHEET NO. 10 OF 11 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	316
		CONTRACT NO. 66985		
	ILLINOIS	FED. AID PROJECT		

Wang Engineering, Inc.
Consulting Geotechnical and Environmental Engineers
wangeng@wangeng.com
1145 N Main Street
Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

BORING LOG RW-08

WEI Job No.: 107-07-01

Client: Parsons Brinckerhoff Quade & Douglas, Inc.
Project: Prairie Parkway, Phase II US 34
Location: Plano, IL

Datum: NGVD
Elevation: 611.20 ft
North: 1819883.10 ft
East: 931998.50 ft
Station: 19+35.92
Offset: 12.1 LT

Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
611.2	12 inch-thick Asphalt pavement						
610.2	Medium to coarse SAND and GREVEL --BASE COURSE--			1		NP	8
609.2	Medium stiff, brown SILTY CLAY LOAM, some gravel --FILL--	5		2	2 1 2	0.50 P	19
				3	1 1 2	0.75 P	21
		10		4	1 2 2	0.75 P	17
				5	3 2 2	0.50 P	15
597.0	Very loose to medium dense, brown, fine SAND to SANDY LOAM	15		6	1 1 0	NR	
				7	1 3 5	NP	11
		20		8	5 9 9	NP	14
590.7	Medium dense, brown, fine to medium GRAVELLY SAND			9	7 8 8	NP	4
588.2	Loose, brown, medium to coarse SAND			10	3 3 8	NP	10
586.2		25					

Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	Boring terminated at 25.00 ft	30					
		35					
		40					
		45					
		50					

GENERAL NOTES

Begin Drilling: 02-12-2010 Complete Drilling: 02-12-2010
Drilling Contractor: WTS Drill Rig: Mobile B-57 TMR
Driller: Phil/Jeromy Logger: B. Wilson Checked by: A. Kurnia
Drilling Method: 3.25-inch ID HSA; Boring Backfilled Upon Completion

WATER LEVEL DATA

While Drilling: ▽ 23.50 ft
At Completion of Drilling: ▼ cave at 16'
Time After Drilling: NA
Depth to Water: ▼ NA

The stratification lines represent the approximate bouncary between soil types; the actual transition may be gradual.

WANGENGINC 1207015.GPJ WANGENG.GDT 5/26/10

T:\16825-PrairiePkwy-Ph2\Struct\Cadd\Prefinal\US34 Retaining Wall 2\0478801-66985-011-BOG.dgn
05-MAY-2011 10:34

PB Americas, Inc.
125 YEARS
230 WEST MONROE STREET,
SUITE 900
CHICAGO, IL. 60606
(312)782-8150

FILE NAME = 0478801-66985-011-BOG.dgn
PLOT SCALE = NONE
PLOT DATE = 5/5/2011

DESIGNED -	S. CHELBIAN	REVISED -
CHECKED -	M. Shaikh	REVISED -
DRAWN -	D. C. PATEL	REVISED -
CHECKED -	J. GRAINAWI	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

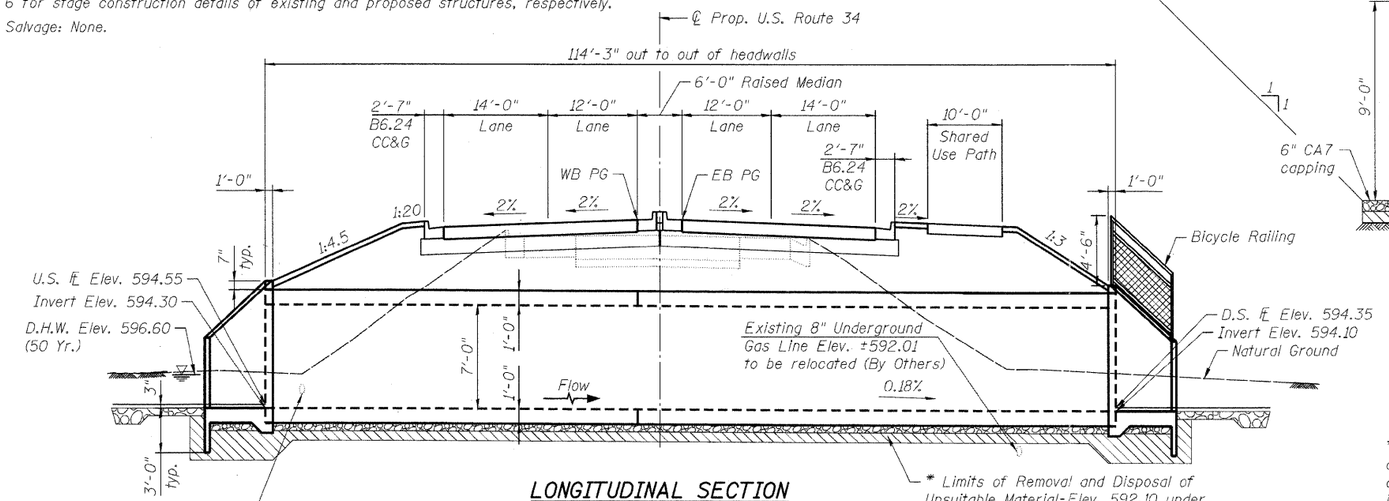
SOIL BORING LOGS
STRUCTURE NO. 047-8801
SHEET NO. 11 OF 11 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	317
		CONTRACT NO. 66985		
	ILLINOIS	FED. AID PROJECT		

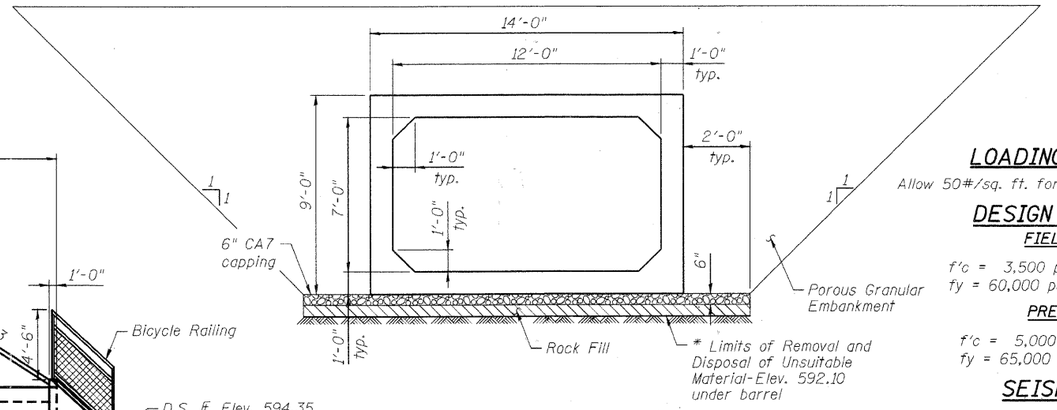
Bench Mark:
(BM#296) Railroad spike in power pole, North side of center line US 34
Sta. 33+69.90, Offset 56.33' Lt., Elev. 642.169.

Existing Structure: The existing structure is a Cast-in-Place concrete 12'-0"x7'-6" single box culvert and is 45'-2" in length. It is located at STA 26+36.91 and will be replaced by SN 047-2559 at STA 24+00.00. See sheets 3 and 4 of 6 for stage construction details of existing and proposed structures, respectively.

Salvage: None.



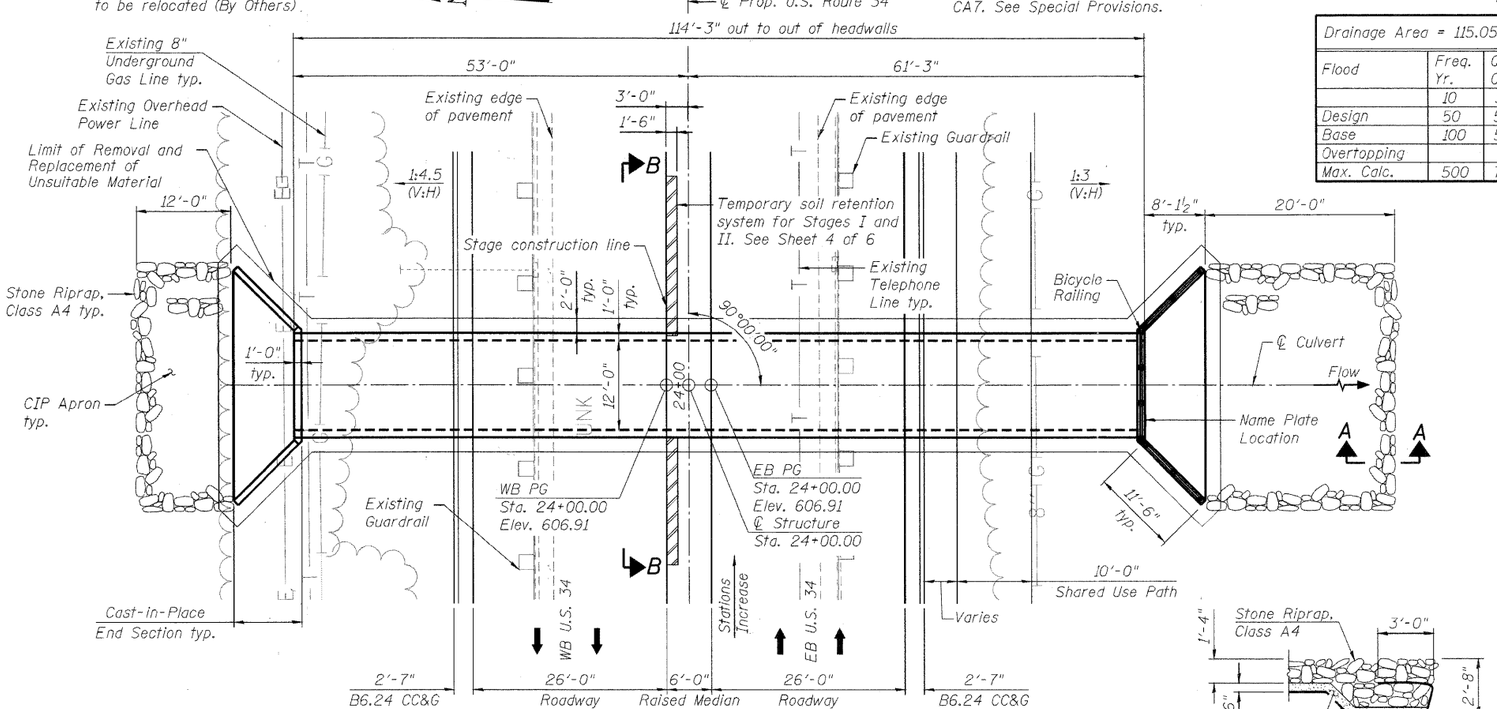
LONGITUDINAL SECTION



SECTION THRU PRECAST BARREL

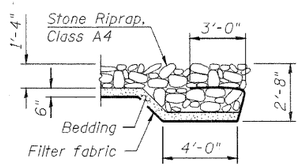
The Rock Fill shall be capped with 6" of CA7 and satisfy the Standard Specifications unless otherwise indicated in the Special Provisions. The cost of the capping material shall be included in the pay item for "Rock Fill".

* The limits and quantities of removal and replacement shown are estimated since no soil borings or investigation was preformed and may be modified by the district geotechnical and field engineer in the field during construction.



PLAN

Notes:
For section B-B, see sheet 4 of 6.
For stage construction details, see sheet 4 of 6.

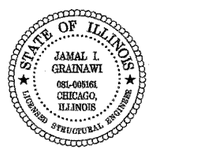


SECTION A-A

WATERWAY INFORMATION

Drainage Area = 115.05 mi.² Exist. Low Grade Elev. 605.46 @ Sta. 23+50
Prop. Low Grade Elev. 605.84 @ Sta. 23+00

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist.	Opening Sq. Ft. Prop.	Nat. H.W.E.	Head - Ft. Exist.	Head - Ft. Prop.	Headwater El. Exist.	Headwater El. Prop.
	10	3651	572	572	595.2	0.5	0.6	595.7	595.8
Design	50	5306	743	743	596.6	0.6	0.9	597.1	597.5
Base	100	5949	808	808	597.1	0.7	1.0	597.8	598.1
Overtopping		-	-	-	-	-	-	-	-
Max. Calc.	500	7502	940	940	598.1	1.0	1.3	599.1	599.4



Signed Jamal Grainawi
JAMAL I. GRAINAWI, S.E. Il. Lic. No. 081-005161
Expires 11-30-2012.
Date MAY 6, 2011

LOADING HS20-44

Allow 50#/sq. ft. for future wearing surface.

DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)

PRECAST UNITS

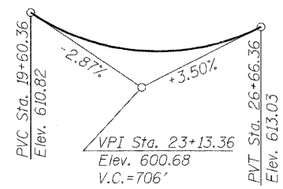
f'c = 5,000 psi (Precast)
fy = 65,000 psi (Welded Wire Fabric)

SEISMIC DATA

Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A): 0.035g
The Site Coefficient (S): 1.0

DESIGN SPECIFICATIONS

2002 AASHTO

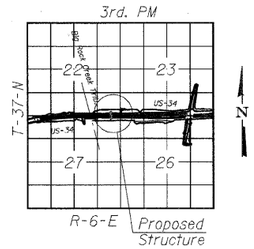


PROFILE GRADE

(Along US-34 P.G.L. EB/WB)

DESIGN SCOUR ELEVATION TABLE

Design Scour Elevation (ft.)	Upstream	Downstream
	591.30	591.10



LOCATION SKETCH

GENERAL PLAN
U.S. ROUTE 34 OVER BIG ROCK CREEK
F.A.P RTE. 591 - SEC. 14R-1
KENDALL COUNTY
STATION 24+00.00
STRUCTURE NO. 047-2559

T:\16829-PrairiePkwy-Ph2\Struct\Cadd\Prelim\US34 WC98A Single Box Culvert\0472559-D3669B5-001-GPE.dgn
06-MAY-2011 10:18

PB Americas, Inc.
230 WEST MONROE STREET, SUITE 900
CHICAGO, IL. 60606
(312)782-8150

FILE NAME = 0472559-D3669B5-001-GPE.dgn	DESIGNED - H. Alkhatib	REVISED -	
	CHECKED - P. Lopez	REVISED -	
PLOT SCALE = NONE	DRAWN - H. Alkhatib	REVISED -	
PLOT DATE = 5/6/2011	CHECKED - J. Grainawi	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
STRUCTURE NO. 047-2559
SHEET NO. 1 OF 6 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	318
		CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			

GENERAL NOTES

Reinforcement bars shall conform to the requirements of ASTM A 706, Grade 60. See Special Provisions.
Reinforcement bars designated (E) shall be epoxy coated.
Precast Concrete box culvert shall confirm to the requirement of article 540.06 of the Standard Specifications and and the applicable requirements of AASHTO M 259.
Lifting holes shall be filled with concrete plugs and mastic after box sections are in place.
Class SI concrete shall be used for cast-in-place concrete.
Exposed edges shall be beveled $\frac{3}{4}$".
Layout of slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
Prior to commencing work, the Contractor shall verify the location of all existing utilities. Work shall be completed in such a manner so as not to disturb or damage the existing utilities.
All construction joints shall be bonded.
Precast end sections are not allowed.

INDEX OF SHEETS

1 General Plan
2 General Data
3-4 Stage Construction Details
5 Cast-In-Place End Section Details
6 Bicycle Railing Details

TOTAL BILL OF MATERIAL

	ITEM	UNIT	TOTAL
	Removal and Disposal of Unsuitable Material	Cu. Yd.	134
	Porous Granular Embankment	Cu. Yd.	1131
	Geotechnical Fabric for Ground Stabilization	Sq. Yd.	302
	Stone Riprap, Class A4	Sq. Yd.	116
	Filter Fabric	Sq. Yd.	157
	Removal of Existing Structures	Each	1
	Structure Excavation	Cu. Yd.	1075
	Bicycle Railing	Foot	38
	Name Plates	Each	1
	Box Culvert End Sections, Culvert No. 1	Each	2
	Precast Concrete Box Culvert 12' X 7'	Foot	114.3
	Pipe Culverts, Class D, Type 3 36" (Temporary)	Foot	525
*	Temporary Soil Retention System	Sq. Ft.	999
	Filling Existing Culverts	Each	3
	Rock Fill	Cu. Yd.	134

* Temporary Soil Retention System quantity shown is a total of retention system area at existing culvert location as shown on sheet 3 of 6 and at proposed culvert location as shown on sheet 4 of 6.

STATION 24+00.00
BUILT 20__ BY
STATE OF ILLINOIS
F.A.P RTE. 591 SEC. 14R-1
LOADING HS20
STRUCTURE NO. 047-2559

NAME PLATE

See Std. 515001

T:\16829-PrairiePkwy-Ph2\StructCadd\Prefinal\US34 WC98A Single Box Culvert\0472559-D366985-002-GDA.dgn
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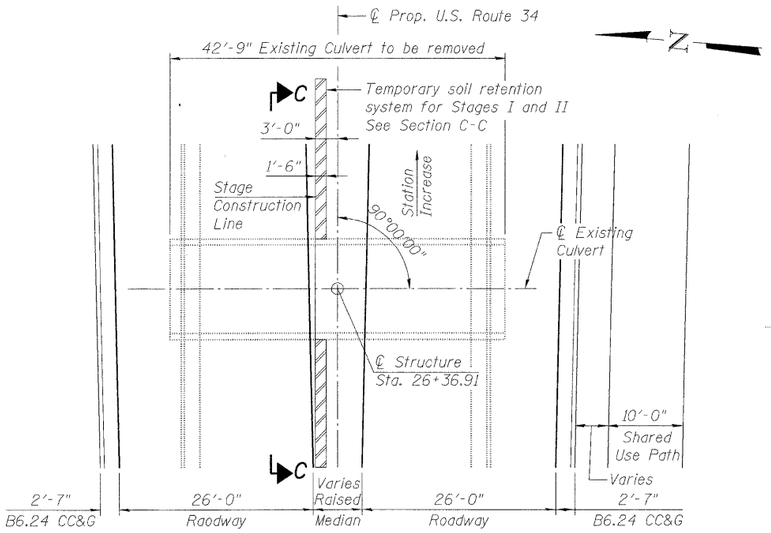
PB Americas, Inc.
230 WEST MONROE STREET,
SUITE 900
CHICAGO, IL. 60606
(312)782-8150

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	CHECKED - P. Lopez	REVISED -	
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PLOT DATE = 6/1/2011	CHECKED - J. Grainawl	REVISED -	

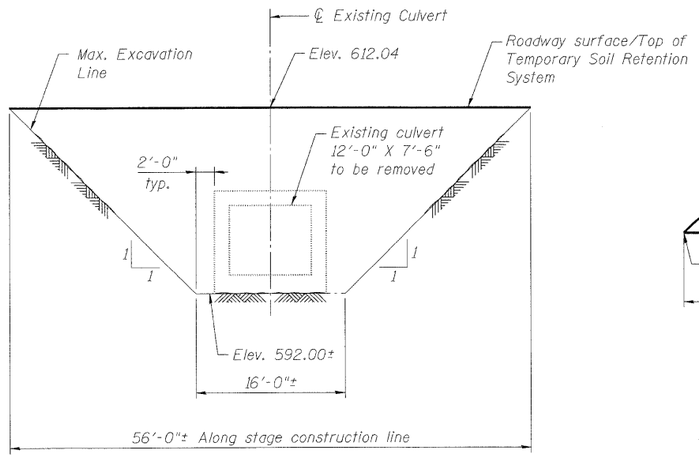
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 047-2559
SHEET NO. 2 OF 6 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	319
		CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			



PLAN

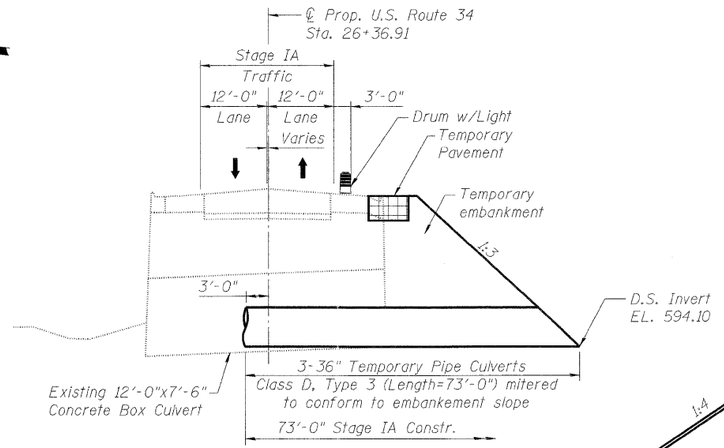


SECTION C-C

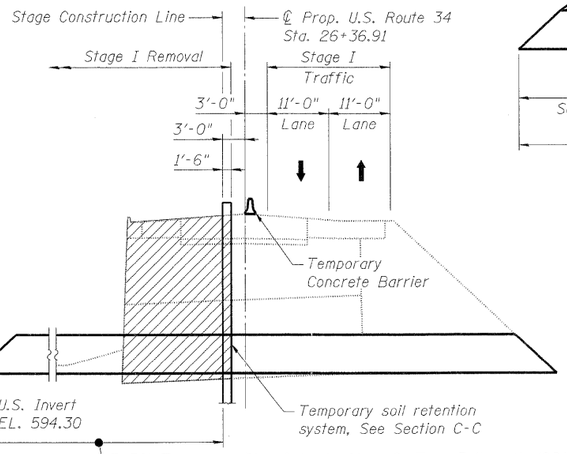
(Temporary soil retention system)

Note:

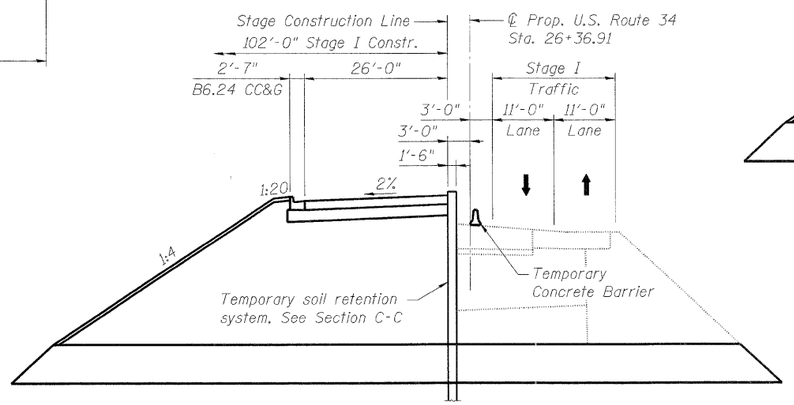
A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.



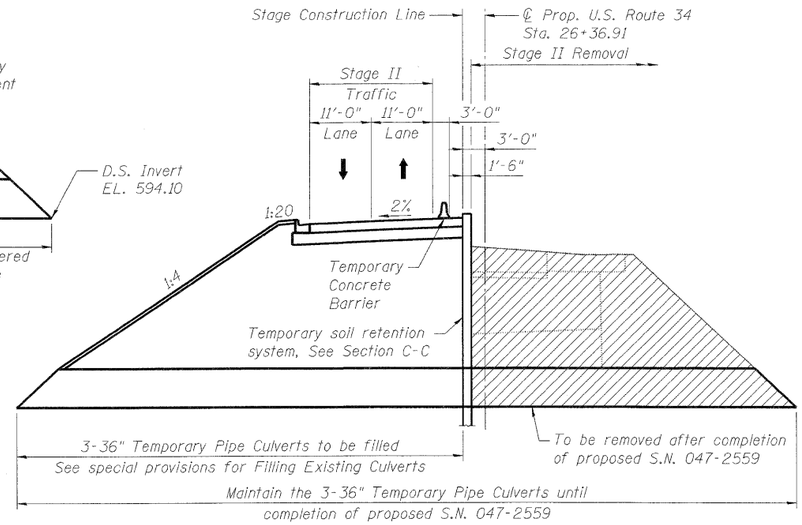
STAGE IA TEMPORARY WIDENING



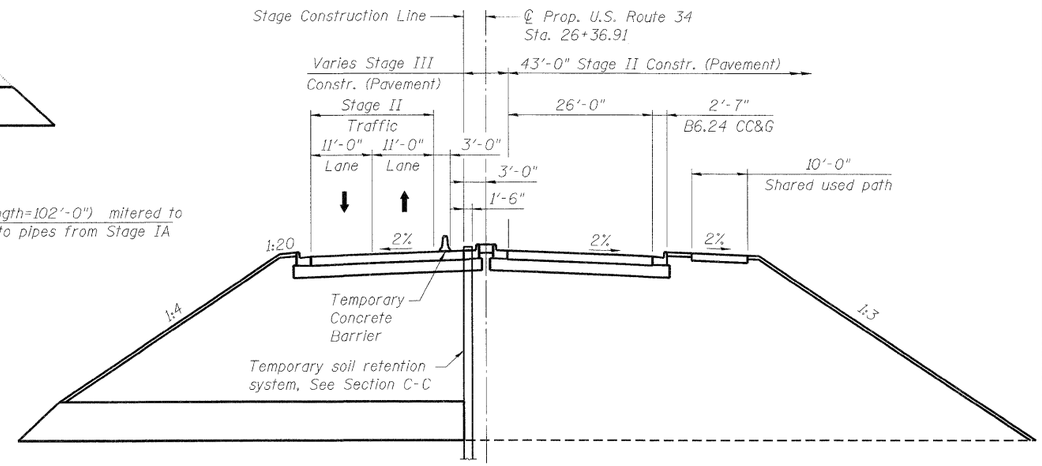
STAGE I REMOVAL



STAGE I CONSTRUCTION



STAGE II REMOVAL



STAGE II AND III CONSTRUCTION

(See MOT plans for Stage III Traffic pattern)

LEGEND

Indicates portions of Existing Pavement, Fill, Embankment, and Culvert to be removed

Temporary Pavement

PB Americas, Inc.
230 WEST MONROE STREET, SUITE 900
CHICAGO, IL. 60606
(312)782-8150

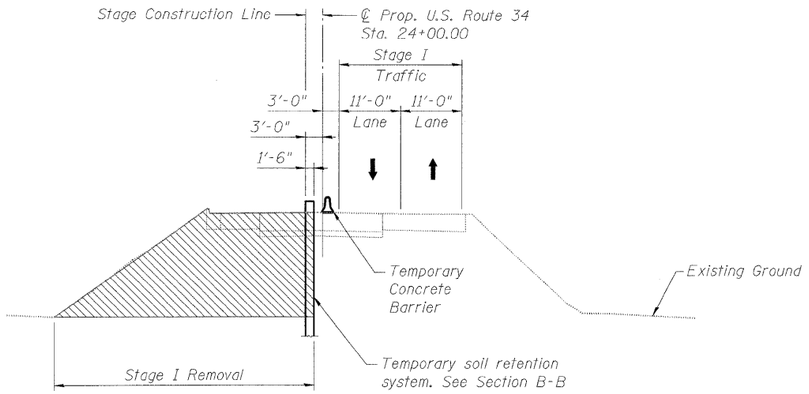
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	CHECKED - P. Lopez	REVISED -	
PLOT SCALE = NONE	DRAWN - H. Alkhatib	REVISED -	
PLOT DATE = 5/6/2011	CHECKED - J. Grainawi	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

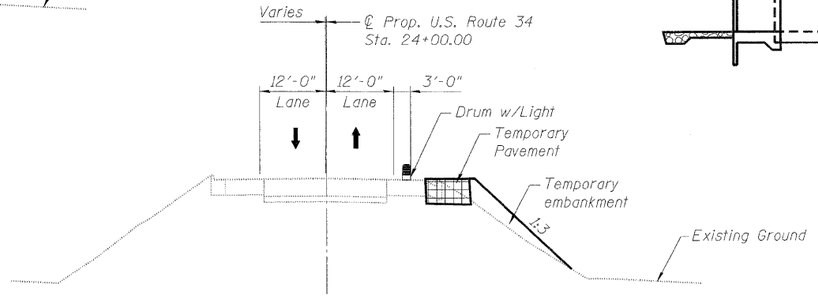
STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 047-2559
SHEET NO. 3 OF 6 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			

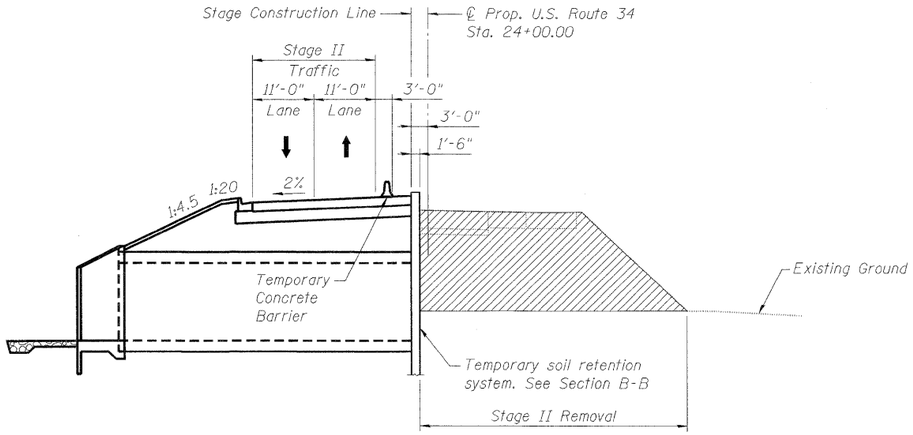
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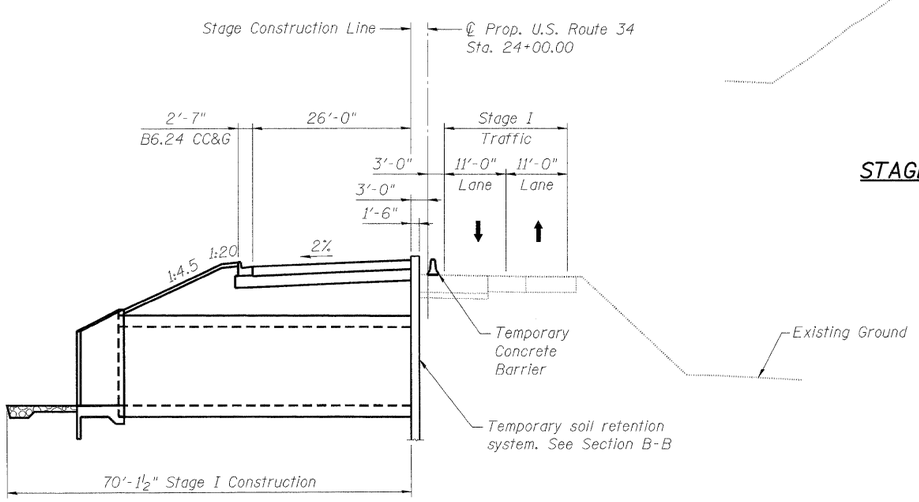
STAGE I REMOVAL



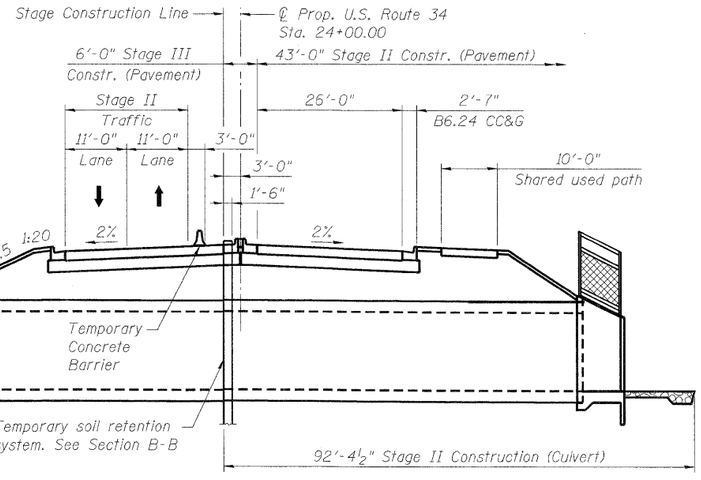
STAGE IA TEMPORARY WIDENING



STAGE II REMOVAL

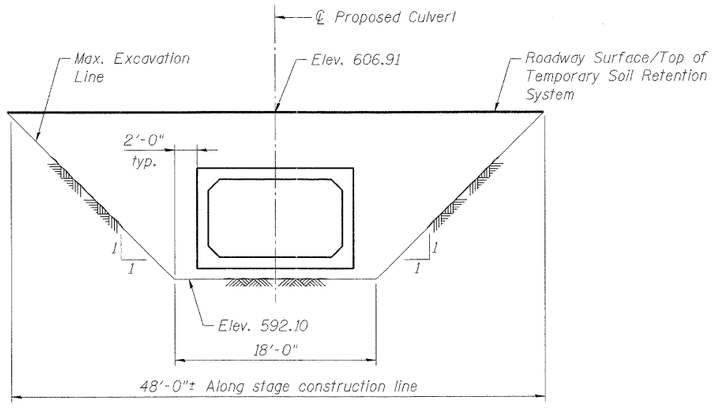


STAGE I CONSTRUCTION



STAGE II AND III CONSTRUCTION

(See MOT plans for Stage III Traffic pattern)



SECTION B-B

(Temporary Soil Retention System)

LEGEND

Indicates existing pavement and embankment removal

Temporary Pavement

Note:

A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.

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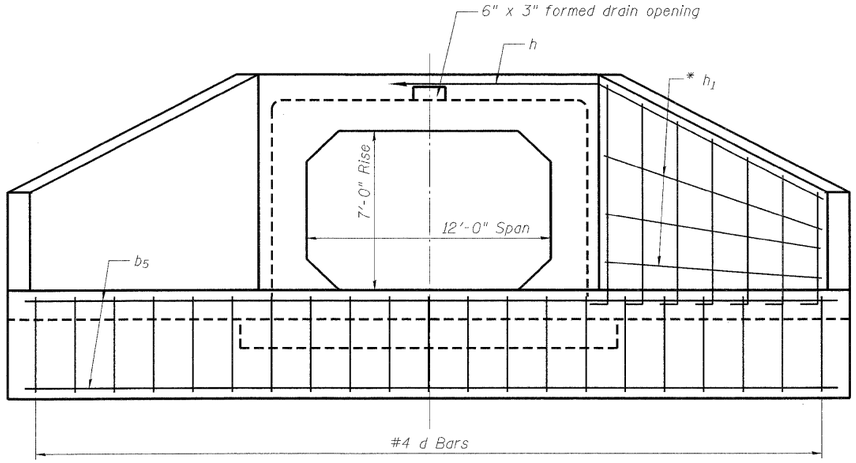
PB Americas, Inc.
230 WEST MONROE STREET, SUITE 900
CHICAGO, IL. 60606
(312)782-8150

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	CHECKED - P. Lopez	REVISED -	
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PLOT DATE = 5/6/2011	CHECKED - J. Gralnawl	REVISED -	

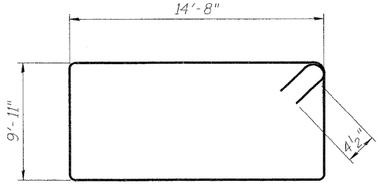
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 047-2559
SHEET NO. 4 OF 6 SHEETS

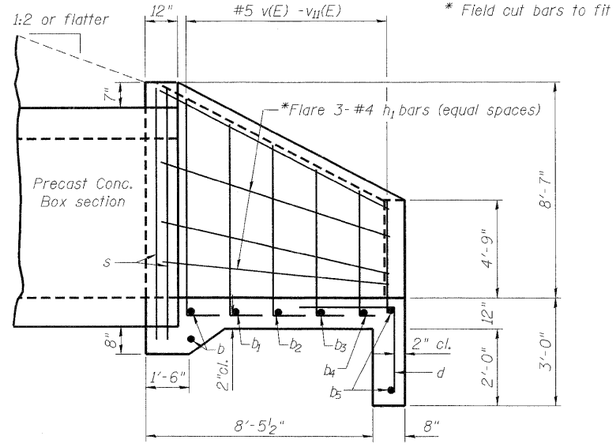
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591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	321
		CONTRACT NO. 66985		
	ILLINOIS	FED. AID PROJECT		



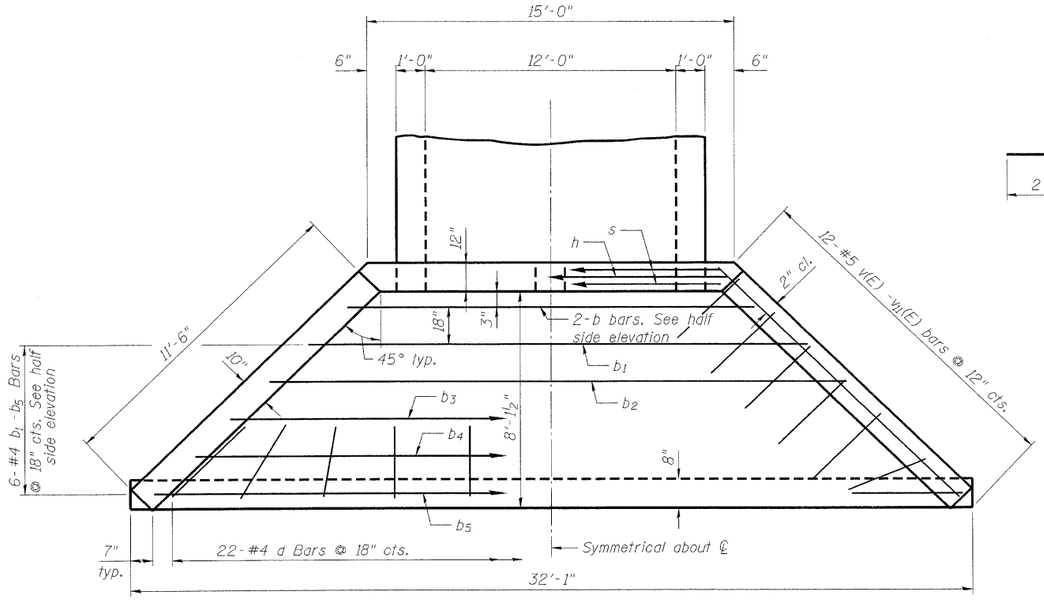
END ELEVATION



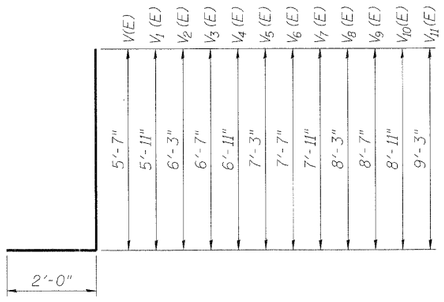
BAR s



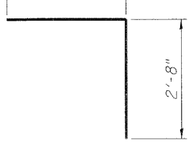
HALF SIDE ELEVATION



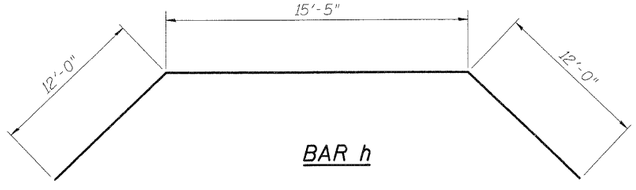
PLAN



BAR v(E)-vII(E)



BAR d



BAR h

BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
b	4	#5	17'-2"	
b1	2	#4	20'-2"	
b2	2	#4	23'-2"	
b3	2	#4	26'-2"	
b4	2	#4	29'-2"	
b5	4	#4	31'-9"	
d	44	#4	5'-4"	
h	2	#5	39'-5"	
h1	12	#4	12'-4"	
s	4	#4	49'-11"	
v(E)	4	#5	7'-7"	
v1(E)	4	#5	7'-11"	
v2(E)	4	#5	8'-3"	
v3(E)	4	#5	8'-7"	
v4(E)	4	#5	8'-11"	
v5(E)	4	#5	9'-3"	
v6(E)	4	#5	9'-7"	
v7(E)	4	#5	9'-11"	
v8(E)	4	#5	10'-3"	
v9(E)	4	#5	10'-7"	
v10(E)	4	#5	10'-11"	
v11(E)	4	#5	11'-3"	
Class SI Concrete			Cu. Yd.	34.4
Reinforcement Bars			Pound	760
Reinforcement Bars, Epoxy Coated			Pound	480

** For two end sections. The quantities shown are for information only.

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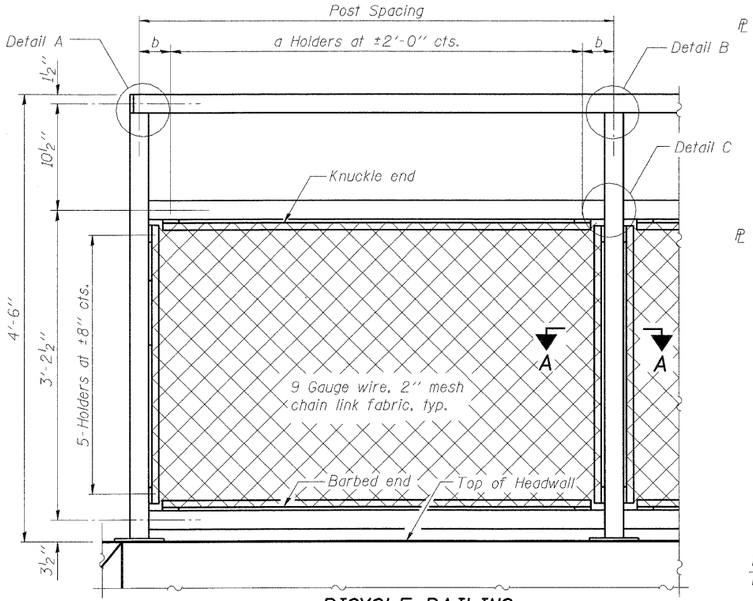
PB Americas, Inc.
230 WEST MONROE STREET, SUITE 900
CHICAGO, IL. 60606
(312)782-8150

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	CHECKED - P. Lopez	REVISED -
PLOT SCALE = NONE	DRAWN - H. Alkhatib	REVISED -
PLOT DATE = 5/6/2011	CHECKED - J. Grainawi	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CAST-IN-PLACE END SECTION DETAILS
STRUCTURE NO. 047-2559
SHEET NO. 5 OF 6 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	322
		CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			

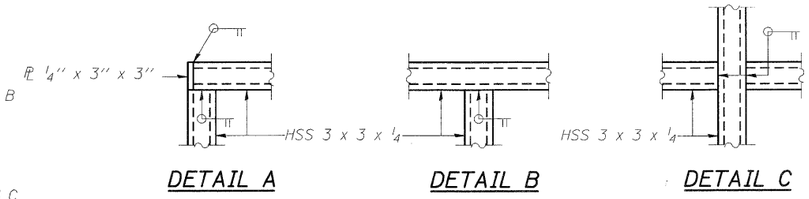


BICYCLE RAILING

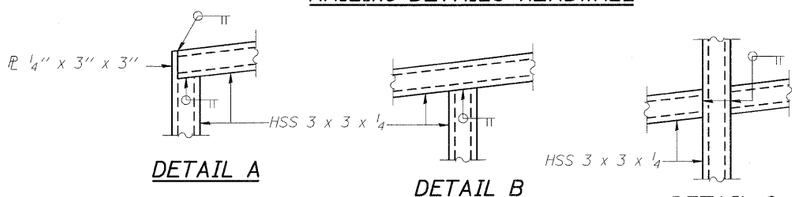
(Showing rail on top of headwall. Rail on on top of wingwalls similar except as shown on details)

HOLDER TABLE

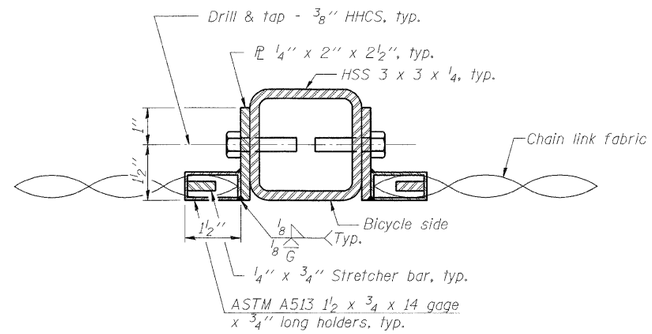
Post Spacing (ft)	a (No.)	b (in)
4'-8"	4	3
5'-3"	3	3



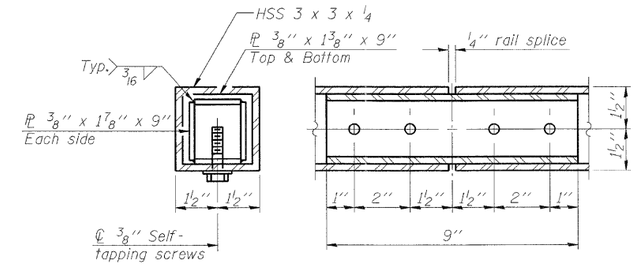
RAILING DETAILS-HEADWALL



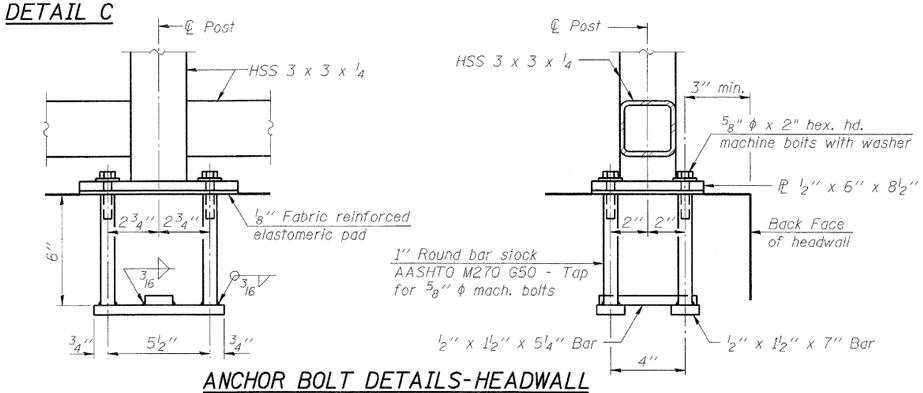
RAILING DETAILS-WINGWALL



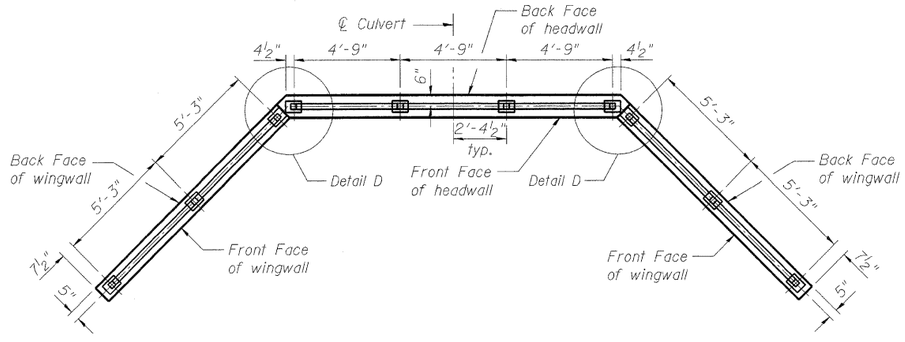
SECTION A-A



RAIL SPLICE

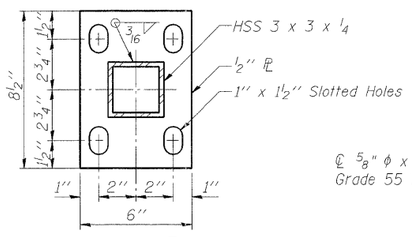


ANCHOR BOLT DETAILS-HEADWALL

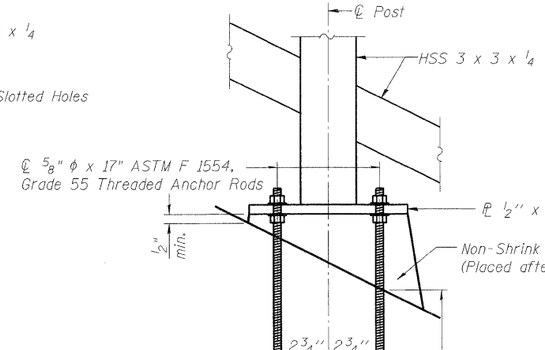


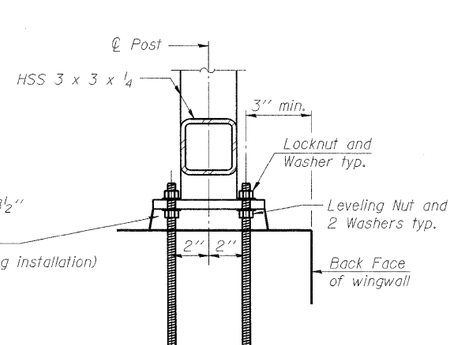
BICYCLE RAILING - POST SPACING

All posts are vertical. The Bicycle Railing elements shall conform to the shape of the wingwalls and headwall.



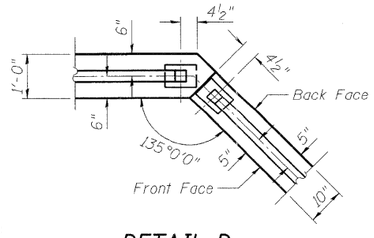
BASE PL





ANCHOR BOLT DETAILS-WINGWALL

In lieu of the cast-in-place anchor devices shown in the above anchor bolt details, the Contractor has the option of drilling and setting ⅝" ϕ anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.



DETAIL D

Note:
All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.

BILL OF MATERIAL

Item	Unit	Quantity
Bicycle Railing	Foot	38

PB Americas, Inc.
230 WEST MONROE STREET, SUITE 900
CHICAGO, IL. 60606
(312)782-8150

FILE NAME = 0472559-D366985-006-RDT.dgn	DESIGNED - H. Alkhatib	REVISED -	
	CHECKED - P. Lopez	REVISED -	
PLOT SCALE = NONE	DRAWN - H. Alkhatib	REVISED -	
PLOT DATE = 5/6/2011	CHECKED - J. Grainawi	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BICYCLE RAILING DETAILS
STRUCTURE NO. 047-2559
SHEET NO. 6 OF 6 SHEETS

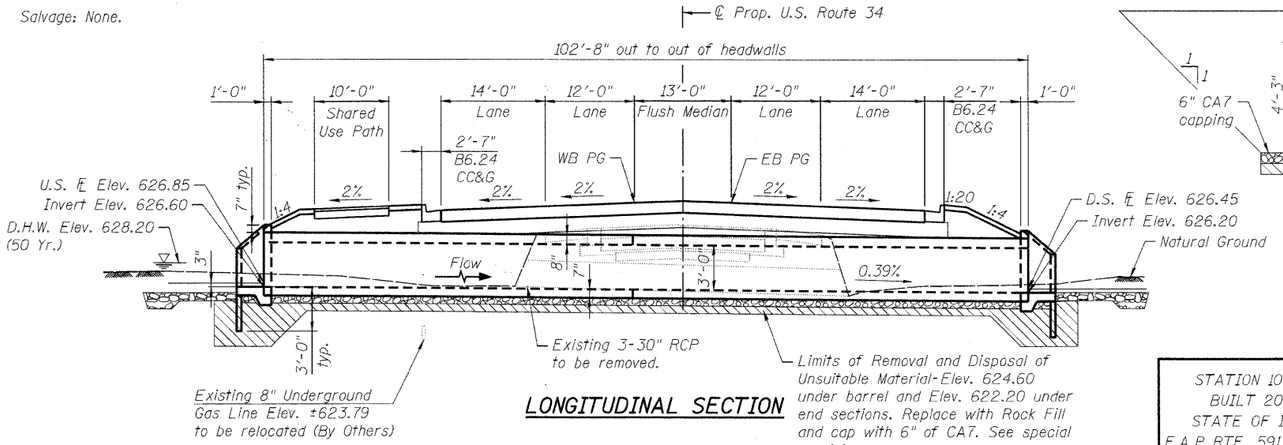
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	323
		CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			

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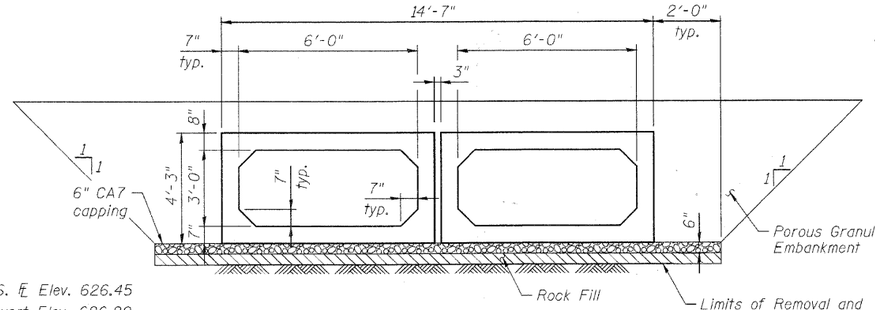
Bench Mark:
(BM#257) Railroad spike in power pole, North side of center line US 34
Sta. 108+49.60, Offset 48.50' Lt., Elev. 628.88.

Existing Structure: Triple barrel concrete pipe structure. The culvert length is 45'-0" with a skew of zero degrees. Each barrel pipe is 30-inch in diameter.

Salvage: None.



LONGITUDINAL SECTION



SECTION THRU PRECAST BARREL

The Rock Fill shall be capped with 6" of CA7 and satisfy the standard specifications unless otherwise indicated in the special provisions. The cost of the capping material shall be included in the pay item for "Rock Fill".

LOADING HS20-44

Allow 50#/sq. ft. for future wearing surface.

DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)

PRECAST UNITS

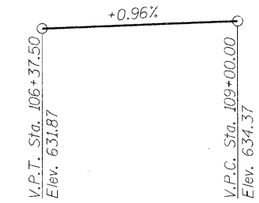
f'c = 5,000 psi (Precast)
fy = 65,000 psi (Welded Wire Fabric)

SEISMIC DATA

Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A): 0.035g
The Site Coefficient (S): 1.0

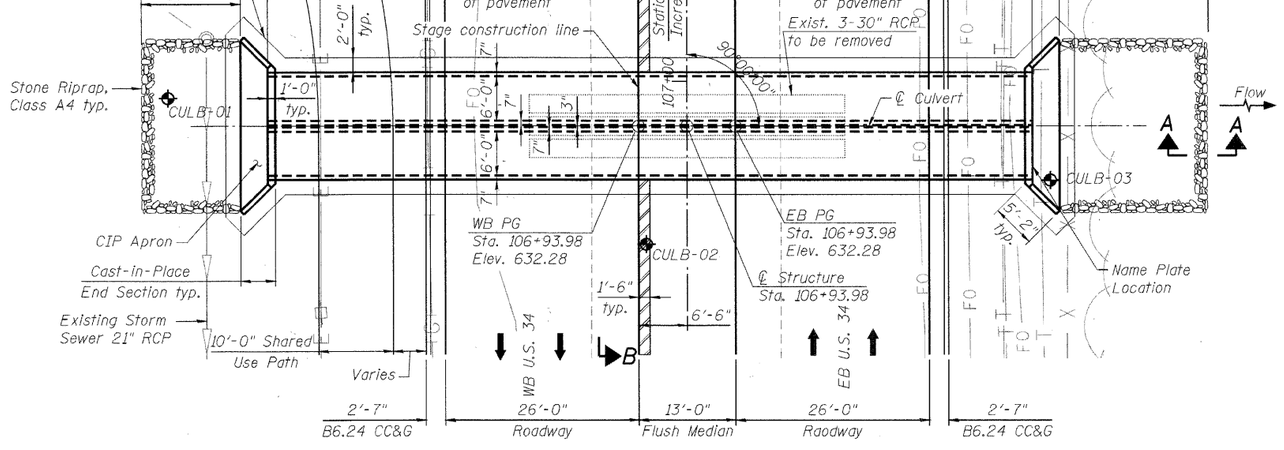
DESIGN SPECIFICATIONS

2002 AASHTO



PROFILE GRADE

(Along US-34 P.G.L. EB/WB)



PLAN

STATION 106+93.98
BUILT 20__ BY
STATE OF ILLINOIS
F.A.P RTE. 591 SEC. 14R-1
LOADING HS20
STRUCTURE NO. 047-2541

NAME PLATE

See Std. 515001

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Removal and Disposal of Unsuitable Material	Cu. Yd.	101
Porous Granular Embankment	Cu. Yd.	143
Geotechnical Fabric for Ground Stabilization	Sq. Yd.	257
Stone Riprap, Class A4	Sq. Yd.	86
Filter Fabric	Sq. Yd.	116
Pipe Culvert Removal	Foot	135
Structure Excavation	Cu. Yd.	191
Name Plates	Each	1
Box Culvert End Sections	Each	2
Precast Concrete Box Culvert 6' X 3'	Foot	205.5
Pipe Culverts, Class A, Type 1 30" (Temporary)	Foot	51
Grating for Concrete Headwall	Each	2
Temporary Soil Retention System	Sq. Ft.	151
Rock Fill	Cu. Yd.	101

GENERAL NOTES

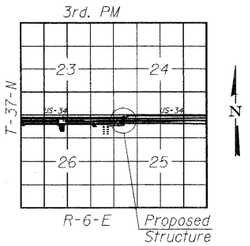
Reinforcement bars shall conform to the requirements of ASTM A 706, Grade 60. See Special Provisions.
Precast Concrete box culvert shall confirm to the requirement of article 540.06 of the Standard Specifications and the applicable requirements of AASHTO M 273.
The removal and replacement is required for the culvert barrel and wingwalls footings during the construction. The limit and quantities of removal and replacement shown are based on the boring data and may be modified during construction. The District Geotechnical and Field Engineers will identify limits and quantity for variable subsurface conditions encountered in the field.
Lifting holes shall be filled with concrete plugs and mastic after box sections are in place.
Class SI concrete shall be used for cast-in-place concrete.
Exposed edges shall be beveled ¾".
Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
Prior to commencing work, the Contractor shall verify the location of all existing utilities. Work shall be completed in such a manner so as not to disturb or damage the existing utilities.

DESIGN SCOUR ELEVATION TABLE

Design Scour Elevation (ft.)	Upstream	Downstream
	623.60	623.20

INDEX OF SHEETS

1 General Plan
2 Stage Construction Details
3 Cast-In-Place End Section Details
4 Culvert Grate Detail
5 Soil Boring Logs



LOCATION SKETCH

WATERWAY INFORMATION

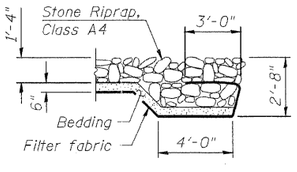
Drainage Area = 1.37 mi.² Exist. Low Grade Elev. 630.50 @ Sta. 105+50
Prop. Low Grade Elev. 631.50 @ Sta. 105+50

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist.	Opening Sq. Ft. Prop.	Nat. H.W.E.	Head - Ft. Exist.	Head - Ft. Prop.	Headwater El. Exist.	Headwater El. Prop.
	10	83.8	15	22	627.8	1.8	0.6	629.6	628.4
Design	50	166	15/15 OTR	35	628.2	2.5	1.3	630.7	629.5
Base	100	273	15/45 OTR	36	628.6	2.3	2.3	630.9	630.9
Overtopping	-	-	-	-	-	-	-	-	-
Max. Calc.	500	-	-	-	-	-	-	-	-

Notes:
For section B-B, see sheet 2 of 5.
For stage construction details, see sheet 2 of 5.

LEGEND

Indicates Boring Location



SECTION A-A

STATE OF ILLINOIS
JAMAL I. GRAINAWI
081-005161
CHICAGO, ILLINOIS
LICENSED STRUCTURAL ENGINEER

Signed Jamal Grainawi
JAMAL I. GRAINAWI, S.E. Il. Lic. No. 081-005161
Expires 11-30-2012.
Date MAY 6, 2011

GENERAL PLAN
U.S. ROUTE 34 OVER UNNAMED DITCH
F.A.P RTE. 591 - SEC. 14R-1
KENDALL COUNTY
STATION 106+93.98
STRUCTURE NO. 047-2541

PB Americas, Inc.
230 WEST MONROE STREET, SUITE 900
CHICAGO, IL. 60606
(312)782-8150

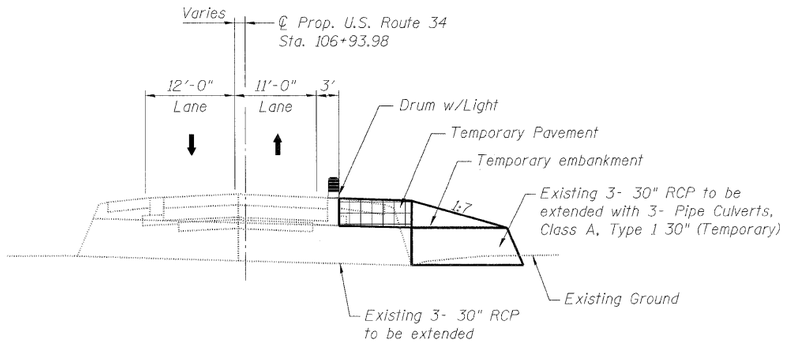
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	CHECKED - R. Otremblak	REVISED -	
PLOT SCALE = NONE	DRAWN - H. Alkhatib	REVISED -	
PLOT DATE = 6/1/2011	CHECKED - J. Grainawi	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

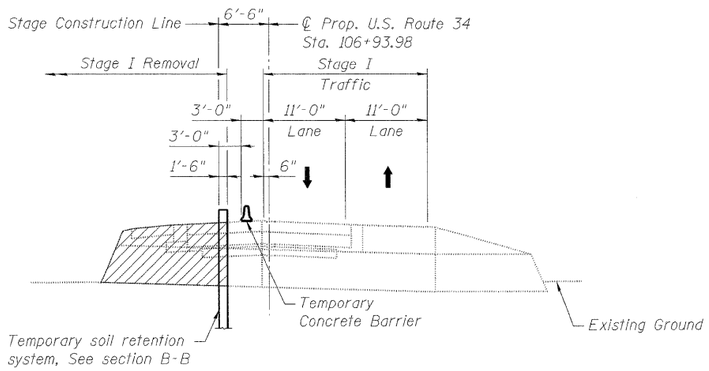
GENERAL PLAN
STRUCTURE NO. 047-2541
SHEET NO. 1 OF 5 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 66985		
		ILLINOIS FED. AID PROJECT		

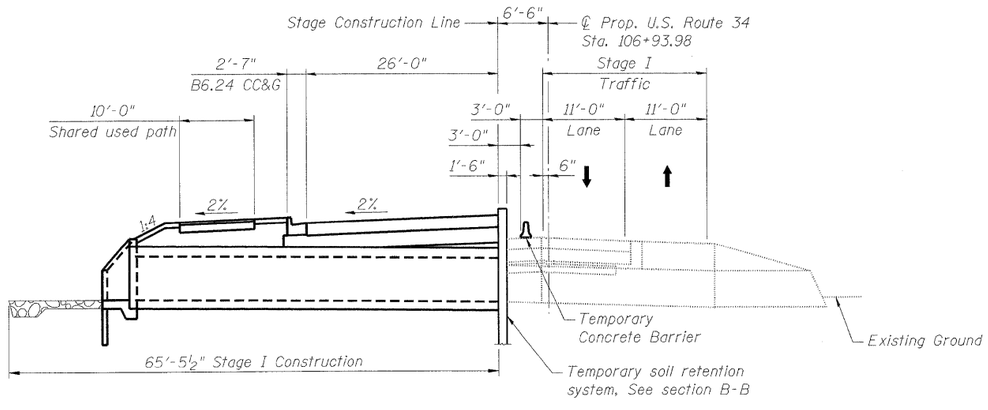
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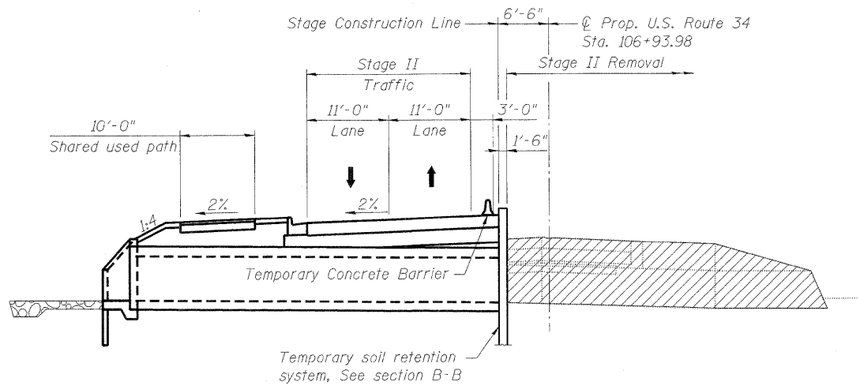
STAGE IA TEMPORARY WIDENING



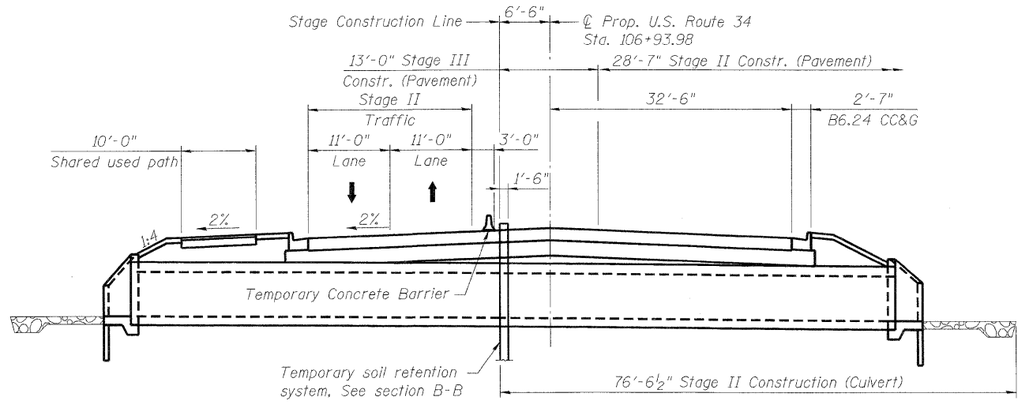
STAGE I REMOVAL



STAGE I CONSTRUCTION

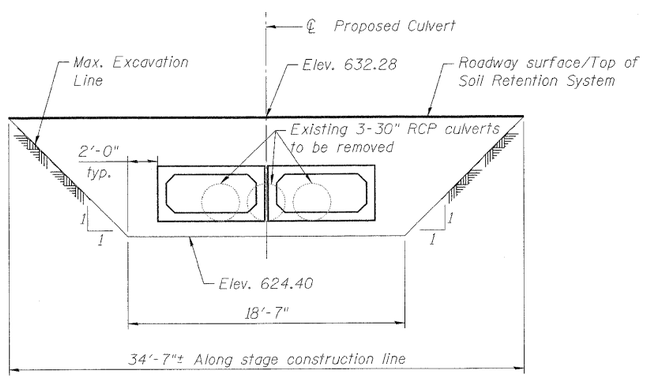


STAGE II REMOVAL



STAGE II AND III CONSTRUCTION

(See MOT plans for Stage III Traffic patterns)



SECTION B-B

(Temporary Soil Retention System)

Note:
A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.

LEGEND

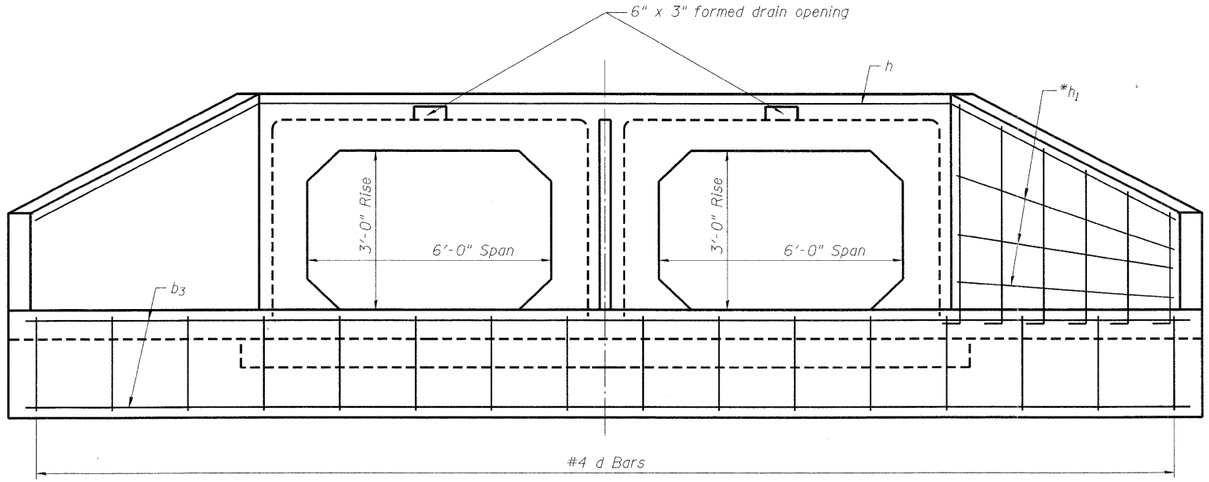
Indicates portions of Existing Pavement, Fill, Embankment, and Culvert to be removed

Temporary Pavement

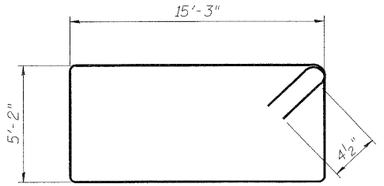
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PB Americas, Inc. 230 WEST MONROE STREET, SUITE 900 CHICAGO, IL. 60606 (312)782-8150	FILE NAME = 0472541-D366985-002-STG.dgn	DESIGNED - H. Alkhatib	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE CONSTRUCTION DETAILS STRUCTURE NO. 047-2541
		CHECKED - R. Otremblak	REVISED -		
	PLOT SCALE = NONE	DRAWN - H. Alkhatib	REVISED -		
	PLOT DATE = 5/6/2011	CHECKED - J. Grainawi	REVISED -		SHEET NO. 2 OF 5 SHEETS

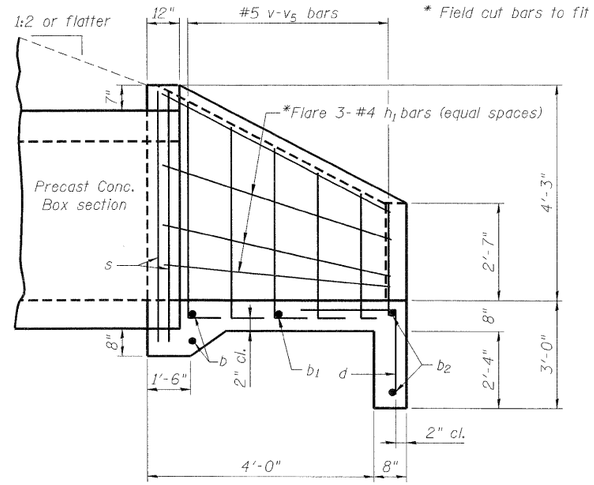
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	325
		CONTRACT NO. 66985		
	ILLINOIS	FED. AID PROJECT		



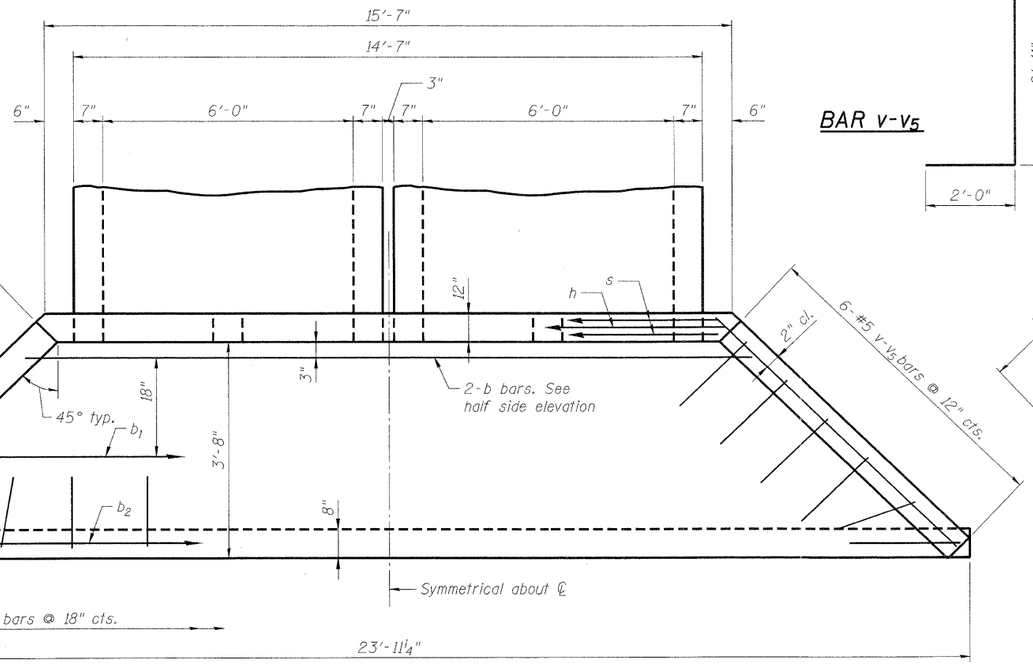
END ELEVATION



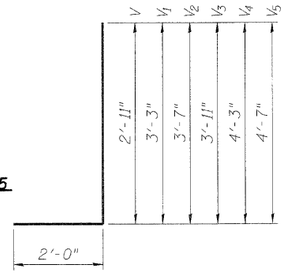
BAR s



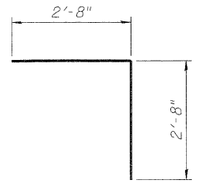
HALF SIDE ELEVATION



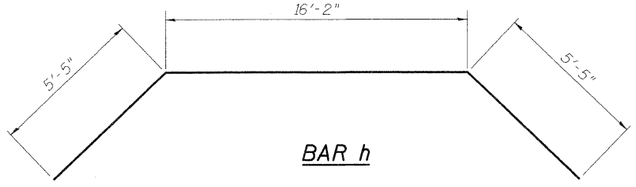
PLAN



BAR v-v5



BAR d



BAR h

BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
b	4	#5	17'-9"	
b_1	2	#4	20'-9"	
b_2	4	#4	23'-7"	
d	32	#4	5'-4"	
h	2	#5	27'-0"	
h_1	12	#4	5'-10"	
s	4	#4	41'-7"	
v	4	#5	4'-11"	
v_1	4	#5	5'-3"	
v_2	4	#5	5'-7"	
v_3	4	#5	5'-11"	
v_4	4	#5	6'-3"	
v_5	4	#5	6'-7"	
Class SI Concrete			Cu. Yd.	14.0
Reinforcement bars			Pound	640

** For two end sections. The quantities shown are for information only.

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06-MAY-2011 10:17

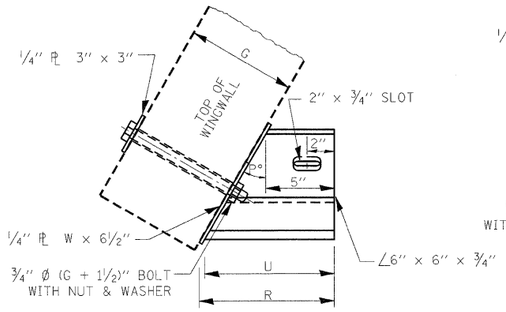
PB Americas, Inc.
230 WEST MONROE STREET,
SUITE 900
CHICAGO, IL. 60606
(312)782-8150

FILE NAME = 0472541-D366985-003-EDT.dgn	DESIGNED - H. Alkhatib	REVISED -	
	CHECKED - R. Otremblak	REVISED -	
PLOT SCALE = NONE	DRAWN - H. Alkhatib	REVISED -	
PLOT DATE = 5/6/2011	CHECKED - J. Gralnawi	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

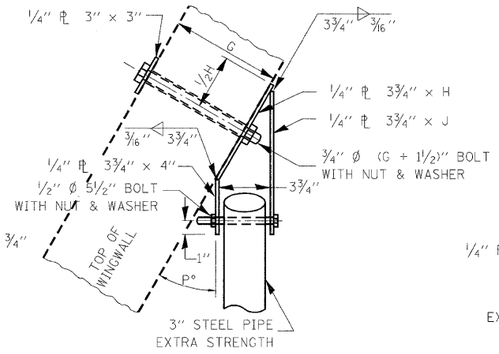
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SHEET NO. 3 OF 5 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			



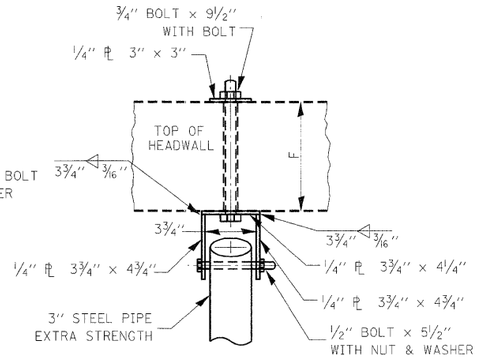
PLAN

END BRACKET ASSEMBLY – LEFT



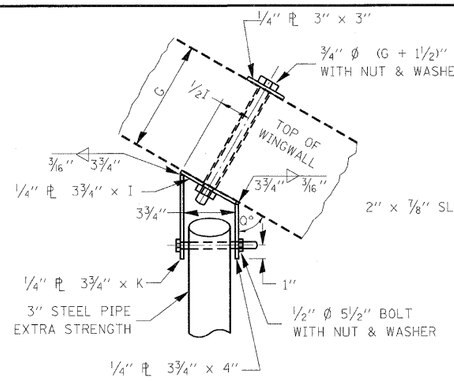
PLAN

WINGWALL BRACKET ASSEMBLY – LEFT



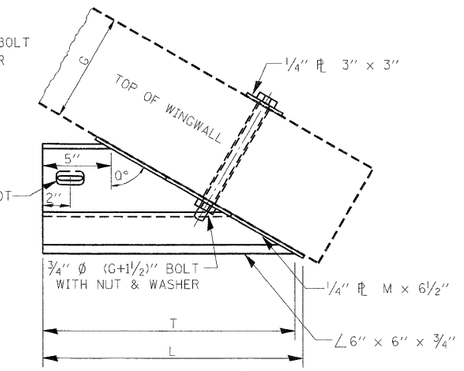
PLAN

HEADWALL BRACKET ASSEMBLY



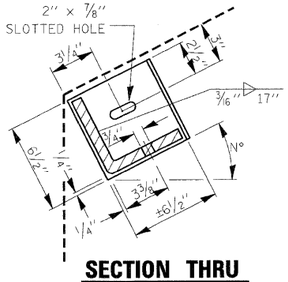
PLAN

WINGWALL BRACKET ASSEMBLY – RIGHT



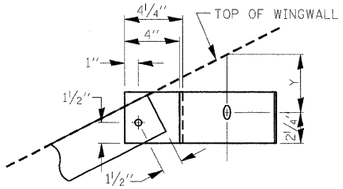
PLAN

END BRACKET ASSEMBLY – RIGHT



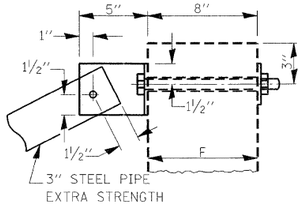
SECTION THRU

DETAIL A



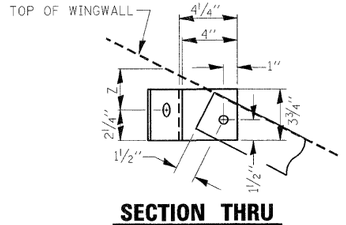
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DETAIL B



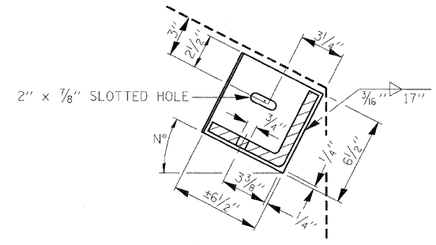
SECTION THRU

DETAIL C



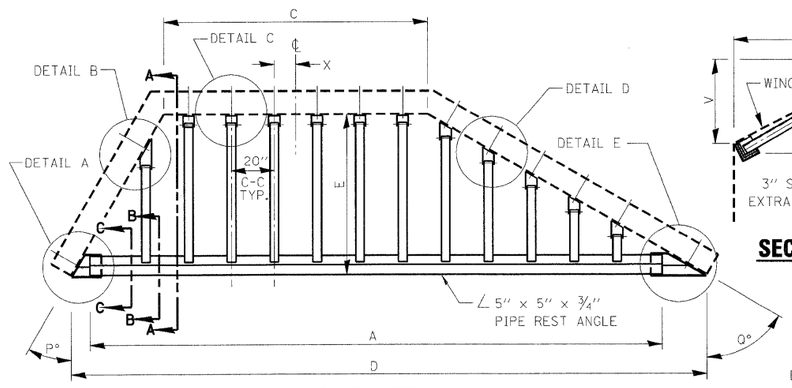
SECTION THRU

DETAIL D

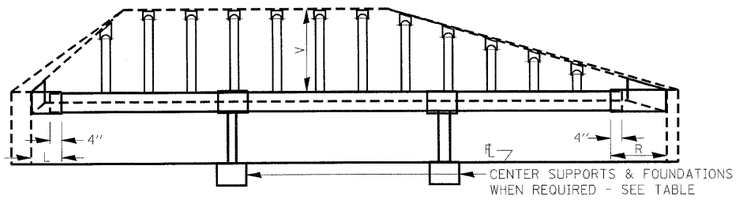


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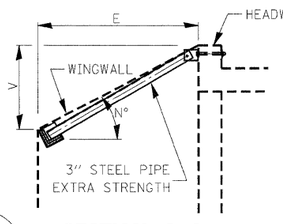
DETAIL E



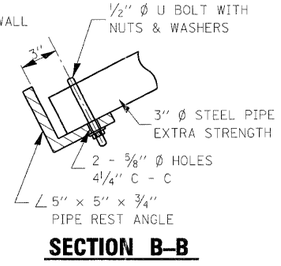
PLAN VIEW



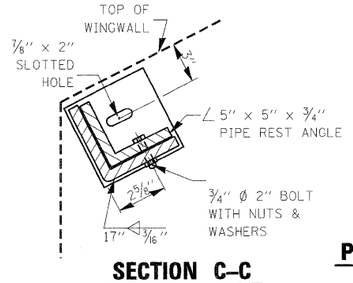
ELEVATION VIEW



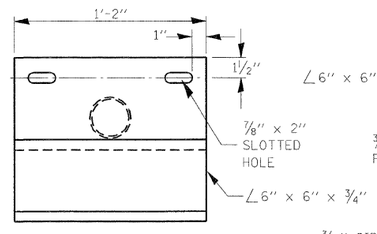
SECTION A–A



SECTION B–B

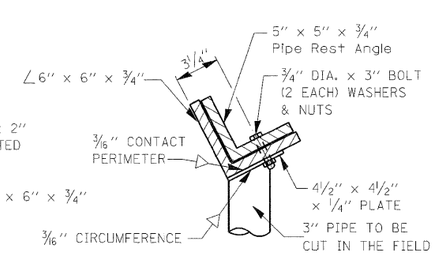


SECTION C–C

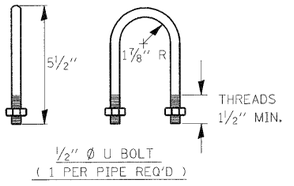


PLAN VIEW OF SUPPORT

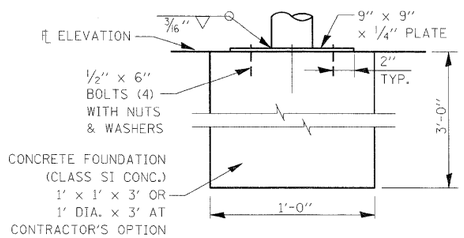
3" STEEL PIPE, EXTRA STRENGTH
x 2' LONG TO BE
CUT TO FIT IN THE FIELD



END VIEW OF SUPPORT



DETERMINING NEED OF CENTER SUPPORTS		
TIP TO TIP OF WINGWALLS (DIMENSION "D")	NUMBER OF SUPPORTS REQUIRED	LOCATION
0'-0" TO 12'-6"	0	--
12'-6" TO 18'-0"	1	CENTER OF SPAN
18'-0" TO 24'-0"	2	1/3 OF SPAN
24'-0" TO 30'-0"	3	1/4 OF SPAN



CENTER SUPPORT FOUNDATION

GENERAL NOTES

BOLTS AND NUTS SHALL CONFORM TO ASTM A 307.
ALL BOLTS SHALL HAVE WASHERS AT EACH END.
HOLES SHALL BE 1/16" OVERSIZE UNLESS OTHERWISE NOTED EXCEPT IN CONCRETE WHICH SHALL BE 1/8" OVERSIZE.
ANGLES AND STEEL PLATES SHALL CONFORM TO AASHTO M183.
STEEL PIPES SHALL CONFORM TO ASTM A53 GRADE B OR ASTM A 501.
STEEL PIPES, ANGLES AND PLATES SHALL BE HOT DIPPED GALVANIZED CONFORMING TO THE REQUIREMENTS OF AASHTO M111.
BOLTS, NUTS AND WASHERS SHALL BE HOT DIPPED GALVANIZED CONFORMING TO THE REQUIREMENTS OF AASHTO M232.
THE APPROXIMATE WEIGHT OF STEEL GIVEN IN TABLES INCLUDES PLATES ANGLES, AND PIPES. BOLTS, NUTS AND WASHERS ARE NOT INCLUDED.
ALL DIMENSIONS ARE TO BE VERIFIED IN THE FIELD.
CUTTING OF THE EXTRA STRENGTH PIPE AND ANGLES TO THE EXACT LENGTHS AND DRILLING HOLES IS TO BE DONE IN THE FIELD.
THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE "EACH" FOR GRATING FOR CONCRETE HEADWALLS IN PLACE, AND SHALL INCLUDE FABRICATION PAINTING, CENTER SUPPORTS WHEN REQUIRED, AND INSTALLATION OF THE GRATING AS DETAILED.

T:\16829-PrairiePkwy-Ph2\Struct\Cadd\Prefinal\US34 Double Box Culvert\0472541-D366985-004-GDT.dgn
06-MAY-2011 10:17

PB Americas, Inc.
230 WEST MONROE STREET, SUITE 900
CHICAGO, IL. 60606
(312)782-8150

FILE NAME = 0472541-D366985-004-GDT.dgn	DESIGNED - H. Alkhatib	REVISED -
	CHECKED - R. Otremblak	REVISED -
PLOT SCALE = NONE	DRAWN - H. Alkhatib	REVISED -
PLOT DATE = 5/6/2011	CHECKED - J. Grainawi	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT GRATE DETAIL
STRUCTURE NO. 047–2541
SHEET NO. 4 OF 5 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	327
		CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			

Wang Engineering, Inc.
Consulting Geotechnical and Environmental Engineers
wangeng@wangeng.com
1145 N Main Street
Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

BORING LOG CULB-01

WEI Job No.: 107-07-01

Client: Parsons Brinckerhoff Quade & Douglas, Inc.
Project: Prairie Parkway, Phase II US 34
Location: Plano, IL

Datum: NGVD
Elevation: 627.70 ft
North: 1819556.30 ft
East: 940750.90 ft
Station: 106+97.02
Offset: 70.4 LT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	627.6	9-inch thick TOPSOIL						
		Stiff to very stiff, gray CLAY			1	3 3 2	3.75 P	34
					2	2 2 2	1.23 B	29
					3	1 2 2	1.39 B	29
	619.7	Very soft, gray SILTY CLAY LOAM	10		4	1 1 2	< 0.25 P	26
					5	0 0 1	< 0.25 P	31
	614.7	Medium dense, brown SAND, trace gravel	15		6	5 8 9	NP	17
					7	8 15 14	NP	15
	609.7	Stiff to very stiff, gray SILTY CLAY	20		8	5 4 5	2.50 B	13
					9	3 4 5	2.62 B	10
			25		10	5 6 7	2.87 B	10
	598.7	Dense, brown SAND, some gravel	30		11	3 5 5	2.71 B	9
					12	4 6 8	1.56 B	8
			35		13	11 19 17	NP	10
					14	10 19 27	NP	19
	577.7	Boring terminated at 40.00 ft	40					
			45					
			50					

GENERAL NOTES

Begin Drilling: 03-03-2010 Complete Drilling: 03-03-2010
Drilling Contractor: WTS Drill Rig: Mobile B-57 TMR
Driller: Phil/Jeromy Logger: K. Jacob Checked by: A. Kurnia
Drilling Method: 3.25-inch ID HSA; Boring Backfilled Upon Completion

WATER LEVEL DATA

While Drilling: ▽ 13.50 ft
At Completion of Drilling: ▼ 4.50 ft
Time After Drilling: NA
Depth to Water: ▼ NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

Wang Engineering, Inc.
Consulting Geotechnical and Environmental Engineers
wangeng@wangeng.com
1145 N Main Street
Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

BORING LOG CULB-02

WEI Job No.: 107-07-01

Client: Parsons Brinckerhoff Quade & Douglas, Inc.
Project: Prairie Parkway, Phase II US 34
Location: Plano, IL

Datum: NGVD
Elevation: 630.60 ft
North: 1819493.90 ft
East: 940727.00 ft
Station: 105+77.82
Offset: 6.4 LT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	630.1	6-inch thick Asphalt pavement						
	629.6	6-inch thick Concrete pavement			1	50/3		5
		Concrete slab						
	627.6	Medium dense, brown SANDY LOAM, with gravel	5		2	4 6 8	NP	9
	625.1	Medium stiff to stiff, brown CLAY, trace gravel			3	4 3 3	1.25 P	26
			10		4	2 2 3	0.75 P	30
	620.1	Medium dense, brown SANDY GRAVEL			5	5 6 8	NP	9
			15		6	8 7 7	NP	8
	615.1	Medium dense, gray SILTY LOAM, trace gravel			7	6 8 10	NP	16
	612.6	Very stiff, gray SILTY CLAY LOAM, trace gravel	20		8	5 6 9	3.25 P	11
					9	5 5 11	3.75 P	11
	607.6	Medium dense, gray SILTY LOAM	25		10	11 13 15	NP	
	605.1	Medium dense, gray SAND	30		11	3 6 8	4.00 P	21
	603.6	Hard, brown and gray SILTY CLAY LOAM						
	602.6	Very dense, brown GRAVELLY SAND			12	17 39 50/6	NP	10
	600.6	Boring terminated at 30.00 ft	35					
			40					
			45					
			50					

GENERAL NOTES

Begin Drilling: 03-02-2010 Complete Drilling: 03-02-2010
Drilling Contractor: WTS Drill Rig: Mobile B-57 TMR
Driller: Phil/Jeromy Logger: K. Jacob Checked by: A. Kurnia
Drilling Method: 3.25-inch ID HSA; Boring Backfilled Upon Completion

WATER LEVEL DATA

While Drilling: ▽ 12.00 ft
At Completion of Drilling: ▼ 8.00 ft
Time After Drilling: NA
Depth to Water: ▼ NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

Wang Engineering, Inc.
Consulting Geotechnical and Environmental Engineers
wangeng@wangeng.com
1145 N Main Street
Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

BORING LOG CULB-03

WEI Job No.: 107-07-01

Client: Parsons Brinckerhoff Quade & Douglas, Inc.
Project: Prairie Parkway, Phase II US 34
Location: Plano, IL

Datum: NGVD
Elevation: 626.90 ft
North: 1819439.90 ft
East: 940732.20 ft
Station: 106+87.05
Offset: 47.1 RT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	626.4	6-inch thick TOPSOIL						
		Stiff, gray and brown CLAY to SILTY CLAY			1	1 1 1	1.00 P	29
					2	1 2 3	1.72 B	31
					3	3 4 6	1.72 B	23
	618.9	Very loose, gray SAND	10		4	2 2 1	NP	22
	616.4	Very stiff, gray SILTY CLAY LOAM			5	7 11 5	2.50 P	12
	613.9	Loose to medium dense, brown to gray SAND	15		6	5 6 5	NP	19
					7	4 7 8	NP	19
	608.4	Very stiff, gray SILTY CLAY LOAM	20		8	6 4 5	NP	10
					9	4 11 9	2.25 P	19
	602.4	Medium dense, brown SAND	25		10	6 9 13	NP	20
	621.4	Very stiff, brown SILTY CLAY LOAM, trace gravel			11	15 11 14	3.25 P	12
	619.9	Medium dense, gray SILT to SILTY LOAM	30		12	6 12 13	NP	16
	594.9	Medium dense to dense, brown SAND, trace gravel			13	17 11 14	NP	4
			35					
			40		14	11 15 17	NP	13
	581.9	Boring terminated at 45.00 ft	45		15	11 12 28	NP	16
			50					

GENERAL NOTES

Begin Drilling: 03-03-2010 Complete Drilling: 03-03-2010
Drilling Contractor: WTS Drill Rig: Mobile B-57 TMR
Driller: Phil/Jeromy Logger: K. Jacob Checked by: A. Kurnia
Drilling Method: 3.25-inch ID HSA; Boring Backfilled Upon Completion

WATER LEVEL DATA

While Drilling: ▽ 13.50 ft
At Completion of Drilling: ▼ 5.00 ft
Time After Drilling: NA
Depth to Water: ▼ NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

T:\16829-PrairieParkway-Ph2\StructCadd\Prefinal\US34 Double Box Culvert\0472541-D366985-005-BOG.dgn
06-MAY-2011 10:17

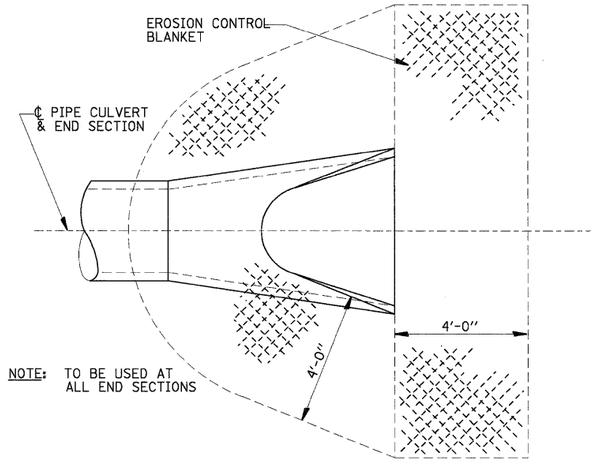
PB Americas, Inc.
230 WEST MONROE STREET, SUITE 900
CHICAGO, IL. 60606
(312)782-8150

FILE NAME = 0472541-D366985-005-BOG.dgn	DESIGNED - H. Alkhatib	REVISED -	
	CHECKED - R. Otremblak	REVISED -	
PLOT SCALE = NONE	DRAWN - H. Alkhatib	REVISED -	
PLOT DATE = 5/6/2011	CHECKED - J. Grainawi	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 047-2541
SHEET NO. 5 OF 5 SHEETS

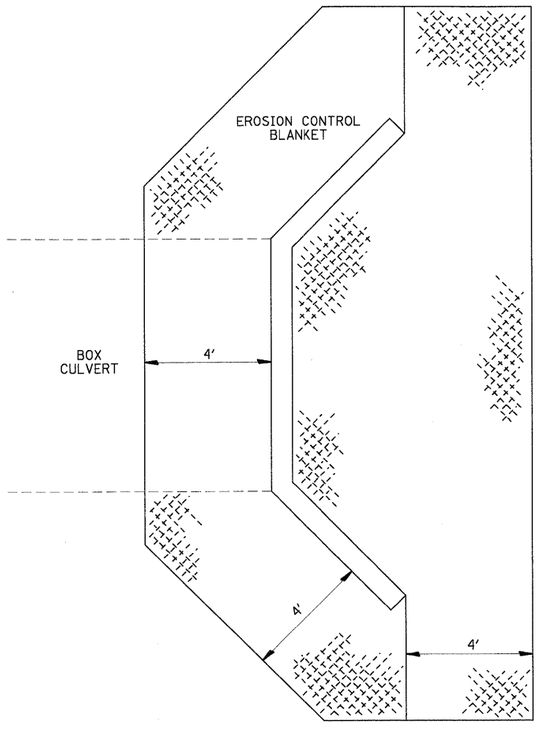
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	328
		CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			



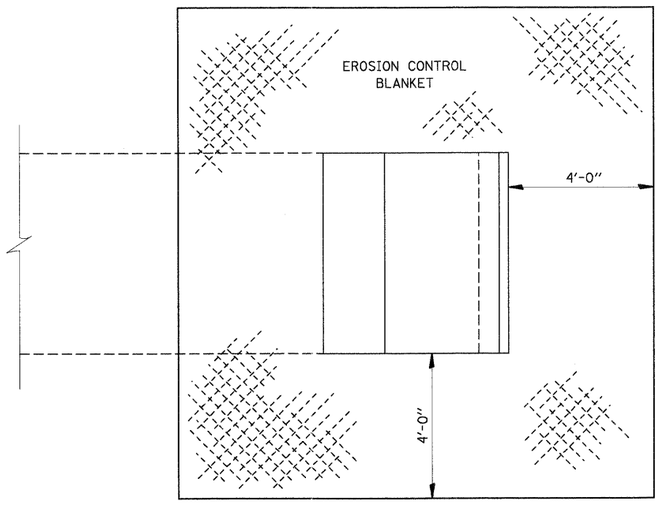
NOTE: TO BE USED AT ALL END SECTIONS

NOTE: PRC FLARED END SECTION SHOWN. TREATMENT SAME FOR OTHER END SECTIONS.

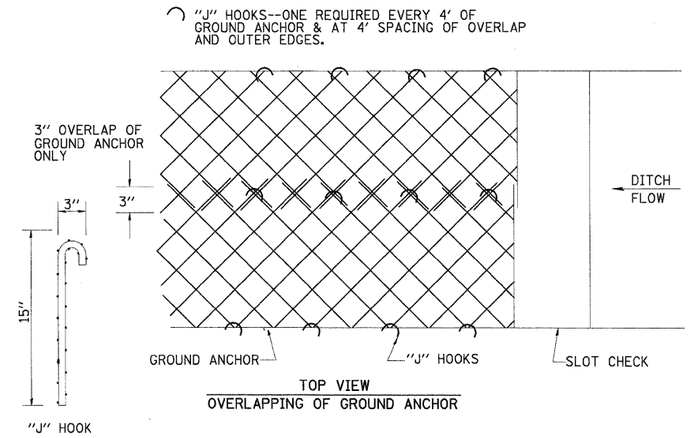
DETAIL OF EROSION CONTROL BLANKET LINING AROUND END SECTION 251-2



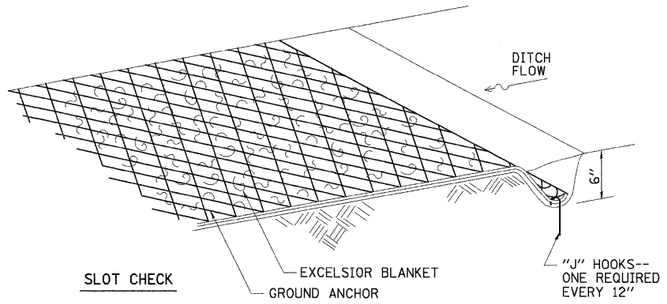
EROSION CONTOL BLANKET AT BOX CULVERT END SECTIONS 251-3

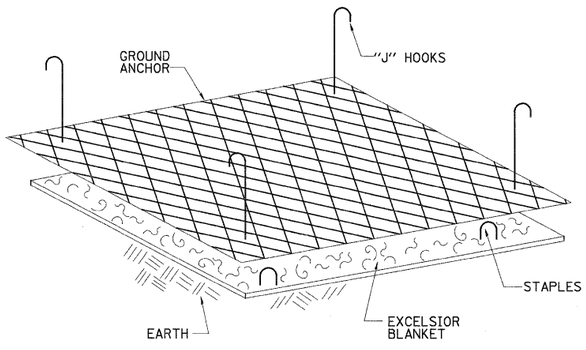


EROSION CONTROL BLANKET AT PRECAST BOX CULVERT END SECTIONS 251-5



TOP VIEW
OVERLAPPING OF GROUND ANCHOR





NOTES:
1. EXCELSIOR BLANKET IS STAPLED INTO GROUND.
2. GROUND ANCHOR GOES OVER EXCELSIOR BLANKET AND IS FASTENED WITH "J" HOOKS EVERY 4 FEET.
3. PAY WIDTH WILL BE MEASURED TO OUT-TO-OUT OF GROUND ANCHOR WITH NO CONSIDERATION FOR OVERLAPS.

EXCELSIOR BLANKET (SPECIAL) DETAILS 251-4

PB Americas, Inc.
230 WEST MONROE STREET, SUITE 900
CHICAGO, IL. 60606
(312)782-8150

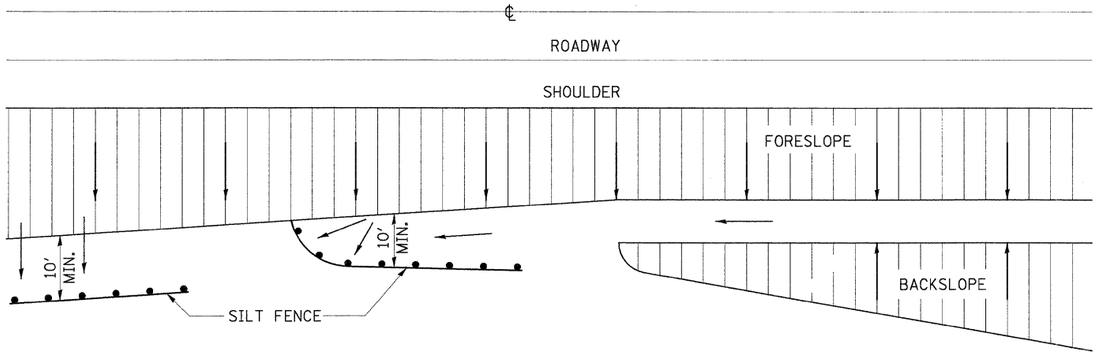
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	DRAWN - MMS	REVISED -
PLOT SCALE =	CHECKED - KJB	REVISED -
PLOT DATE = 19-AUG-2011 08:26	DATE - 08-18-2011	REVISED -

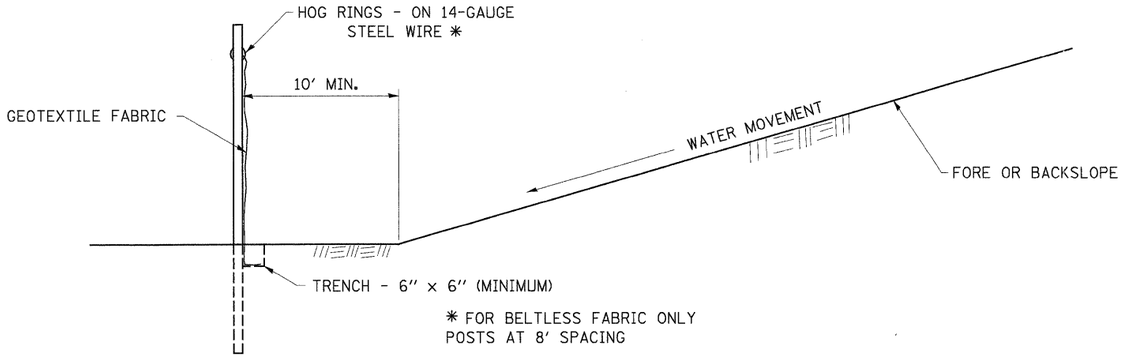
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IDOT DISTRICT 3 DETAILS

SCALE: N.T.S. | DETAIL 1 OF 15 | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	329
	FINAL SUBMITTAL	CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			

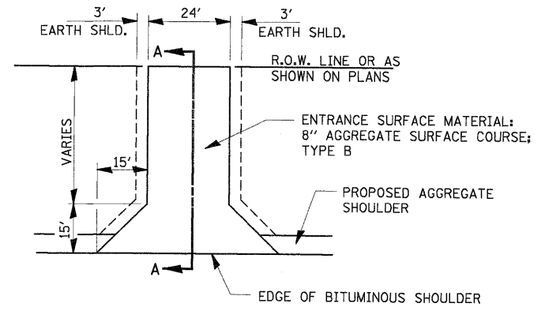


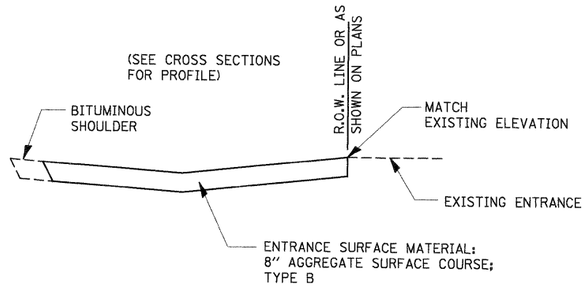


DETAILS OF SILT FENCE

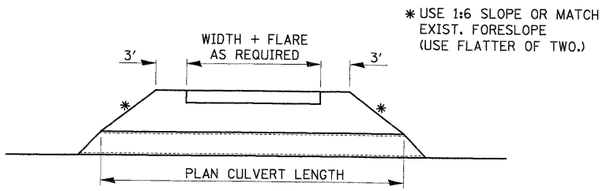
EROSION CONTROL DETAILS FOR SILT FENCE

280–1





SECTION A–A



FIELD ENTRANCE DETAIL

402–1

PB Americas, Inc.
230 WEST MONROE STREET, SUITE 900
CHICAGO, IL. 60606
(312)782-8150

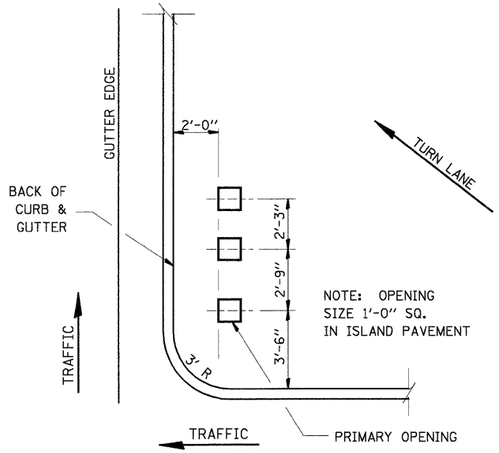
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	DRAWN - MMS	REVISED -	
PLOT SCALE =	CHECKED - KJB	REVISED -	
PLOT DATE = 19-AUG-2011 08:26	DATE - 08-18-2011	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IDOT DISTRICT 3 DETAILS

SCALE: N.T.S. | DETAIL 2 OF 15 | STA. | TO STA.

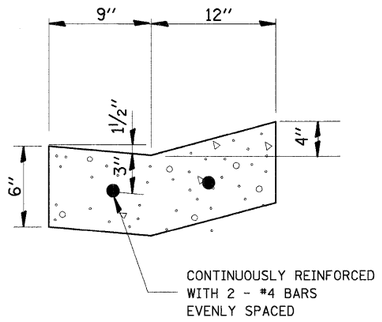
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	330
	FINAL SUBMITTAL	CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			



ISLAND SIGN POST SPACING DETAIL

NOTE: THE ENGINEER SHALL DETERMINE THE NUMBER OF OPENINGS REQUIRED.

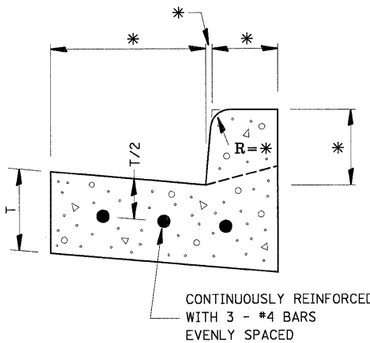
606–2



REINFORCEMENT SHALL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR GUTTER.

REINFORCEMENT DETAIL FOR TYPE V GUTTER

606–3

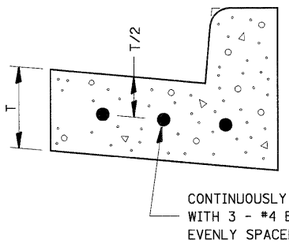


REINFORCEMENT SHALL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR CC&G.

REINFORCEMENT DETAIL FOR COMBINATION CONCRETE CURB AND GUTTER

* VARIES - SEE STANDARD 606001

606–4



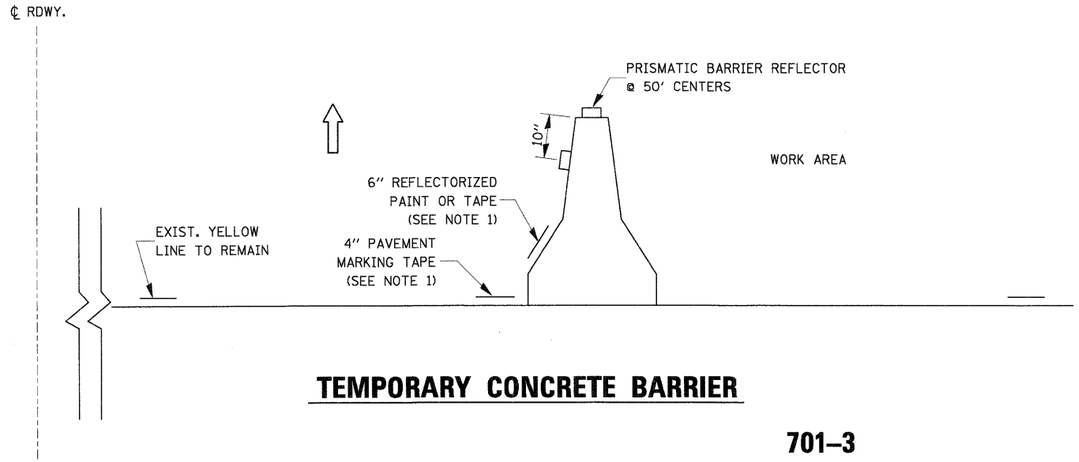
REINFORCEMENT SHALL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR CC&G.

REINFORCEMENT DETAIL FOR COMBINATION CONCRETE CURB AND GUTTER TYPE B–6.24

606–7

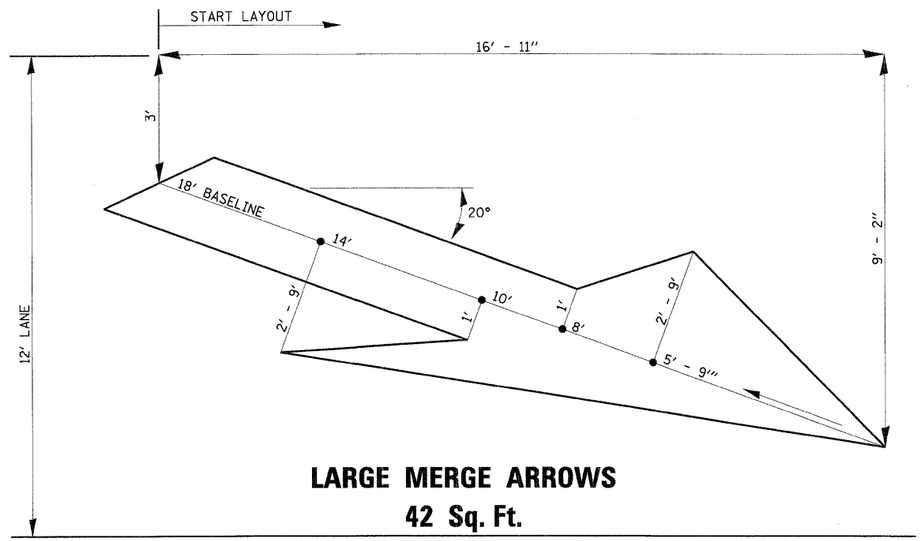
NOTES:

1. THE CONTRACTOR HAS THE OPTION OF USING EITHER THE LINE ON THE TEMPORARY CONCRETE BARRIER OR ON THE PAVEMENT.
2. THE COLOR OF THE REFLECTORS AND PAVEMENT/BARRIER MARKING LINE WILL VARY WITH STAGING AND SHALL MATCH THE EXISTING LINE IN THE WORK AREA.
3. THE COST OF THE REFLECTORS AND THE PAVEMENT/BARRIER MARKING LINE IS INCLUDED IN THE COST OF THE TEMPORARY CONCRETE BARRIER.



TEMPORARY CONCRETE BARRIER

701–3



LARGE MERGE ARROWS 42 Sq. Ft.

780–17

PB Americas, Inc.
230 WEST MONROE STREET, SUITE 900
CHICAGO, IL. 60606
(312)782-8150

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PLOT DATE = 19-AUG-2011 08:26

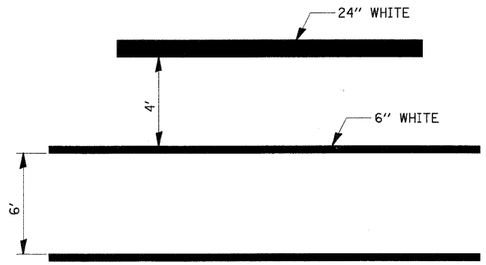
DESIGNED - MMS
DRAWN - MMS
CHECKED - KJB
DATE - 08-18-2011

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

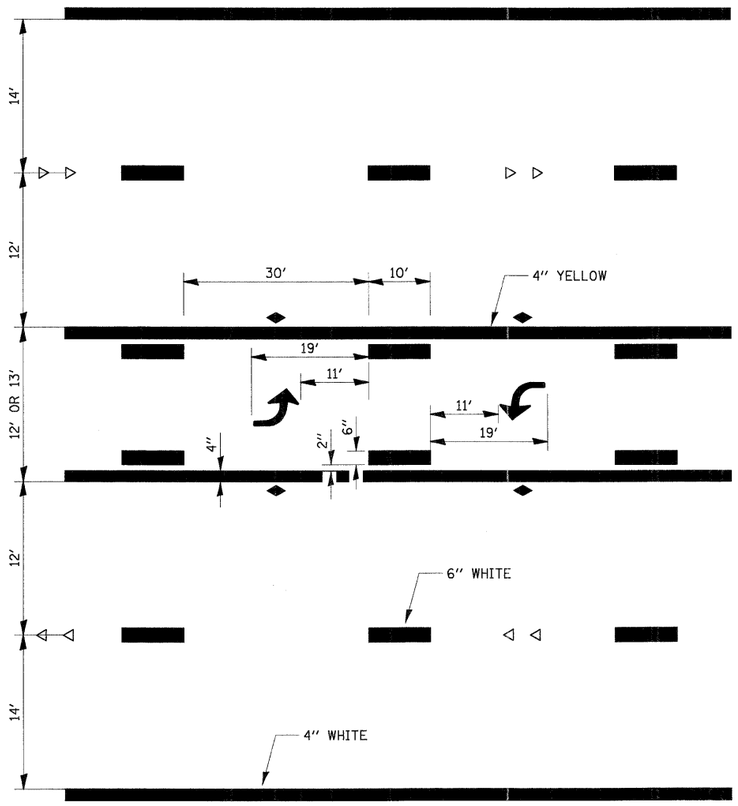
IDOT DISTRICT 3 DETAILS
SCALE: N.T.S. | DETAIL 3 OF 15 | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	331
	FINAL SUBMITTAL	CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			



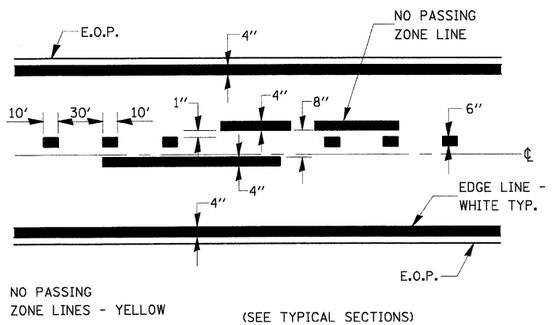
TYPICAL SPACING DETAIL FOR CROSSWALKS AND STOP BARS

780–3

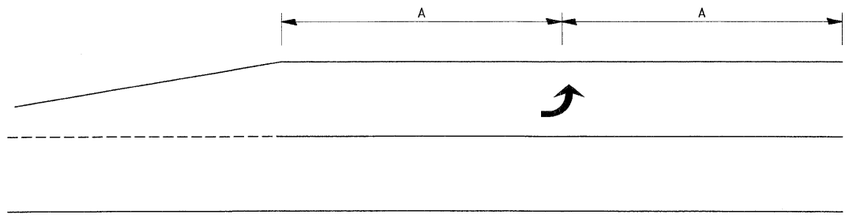


TYPICAL APPLICATION @ TWO WAY LEFT TURN LANE (TWLTL)

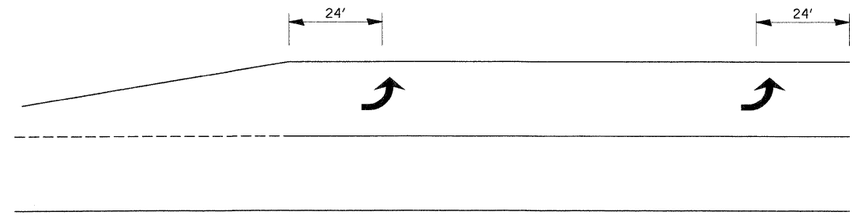
780–2



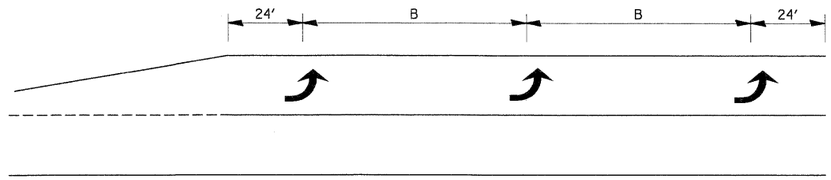
PAVEMENT MARKING 780–8



99' AND UNDER



100' TO 149'



150' AND LONGER

TYPICAL PLACEMENT OF ARROWS IN TURN LANES 780–10

URBAN PAVEMENT MARKING

PB Americas, Inc.
230 WEST MONROE STREET, SUITE 900
CHICAGO, IL. 60606
(312)782-8150

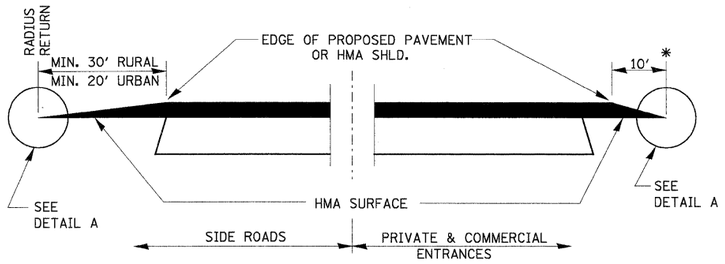
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

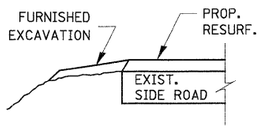
IDOT DISTRICT 3 DETAILS

SCALE: N.T.S. | DETAIL 4 OF 15 | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2,14R-1 & BR-1(1),15R-1	KENDALL	429	332
	FINAL SUBMITTAL	CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			

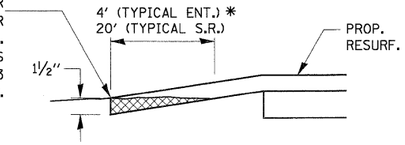


SECTION A–A
DETAILS AT ENTRANCES & SIDE ROADS

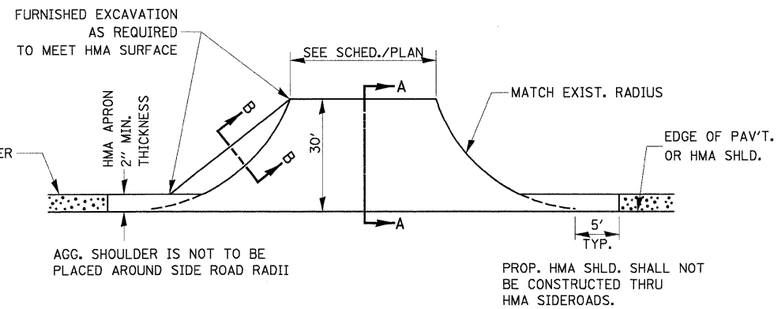


SECTION B–B

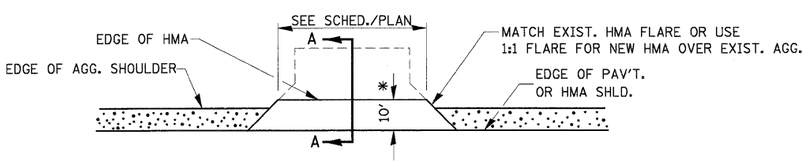
THE COST OF REMOVAL AT EXISTING HMA OR P.C.C. LOCATIONS SHALL BE PAID FOR PER SQ. YD. BY THE APPROPRIATE PAY ITEM. REMOVAL AT THE EXISTING AGG. LOCATIONS SHALL BE INCIDENTAL TO THE HMA. A-3 LOCATIONS SHALL BE FEATHER TAPERED.



DETAIL A



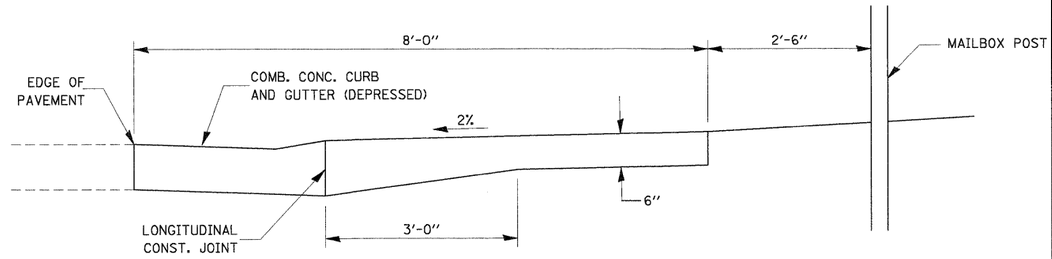
PLAN AT SIDE ROADS



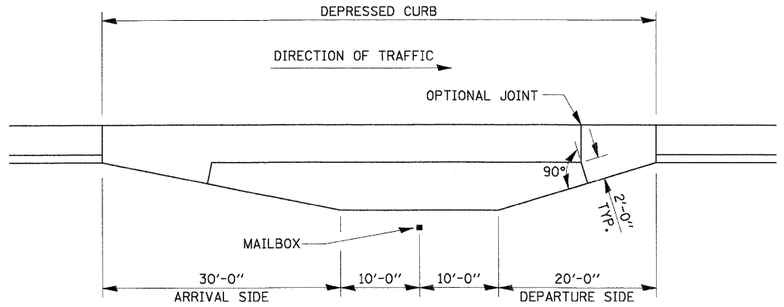
PLAN AT PRIVATE & COMMERCIAL ENTRANCES

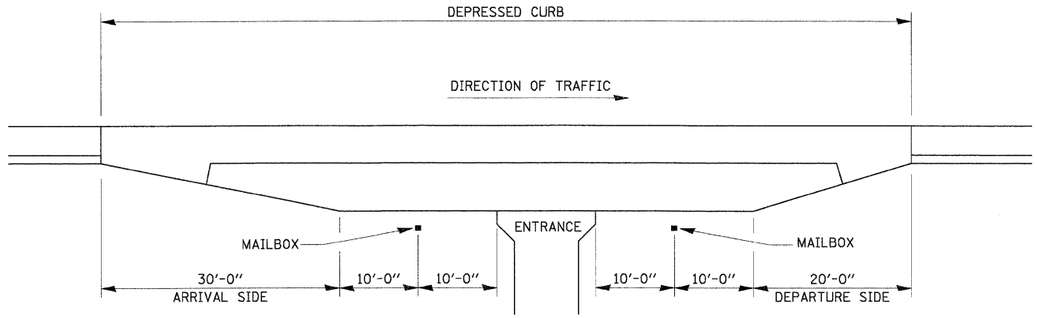
(DO NOT RESURFACE FIELD ENTRANCES)

* PROPOSED HMA RESURFACING AT PUBLIC EDUCATIONAL FACILITY ENTRANCES SHALL BE EXTENDED TO THE RIGHT-OF-WAY LIMITS.



TYPICAL CROSS SECTION





DETAIL OF MAILBOX TURNOUT IN CURB AND GUTTER SECTION
TYPICAL INSTALLATION

GENERAL NOTES

1. THE LONGITUDINAL CONSTRUCTION JOINT SHALL CONFORM TO SECTION 420.05 OF THE STANDARD SPECIFICATIONS.

2. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR P.C. CONCRETE DRIVEWAY PAVEMENT OF THE THICKNESS SPECIFIED ON THE PLANS WHICH PRICE SHALL INCLUDE THE LONGITUDINAL CONSTRUCTION JOINT, AND THE ADDITIONAL THICKNESS REQUIRED TO TRANSITION TO THE DEPRESSED COMBINATION CONCRETE CURB AND GUTTER.

3. MAINTAIN A MINIMUM 10' TANGENT SECTION FROM EACH SIDE OF MAILBOX.

406–14

MAILBOX TURNOUT WITH URBAN TYPICAL

PB Americas, Inc.
230 WEST MONROE STREET, SUITE 900
CHICAGO, IL. 60606
(312)782-8150

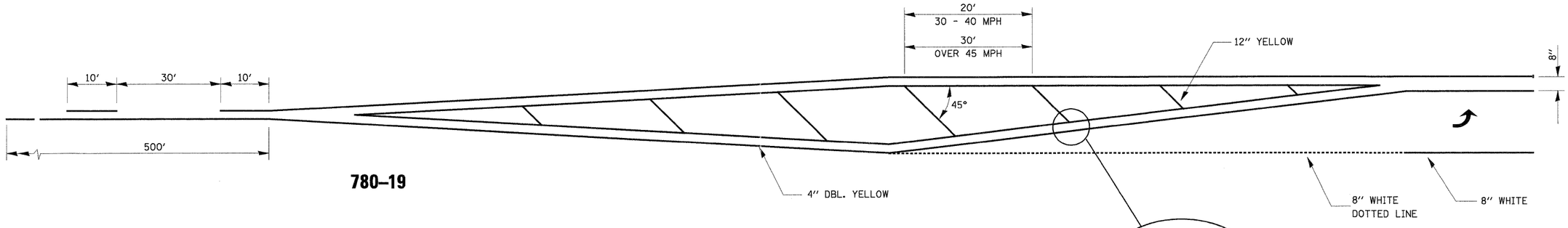
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	DRAWN - MMS	REVISED -	
PLOT SCALE =	CHECKED - KJB	REVISED -	
PLOT DATE = 19-AUG-2011 08:27	DATE - 08-18-2011	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

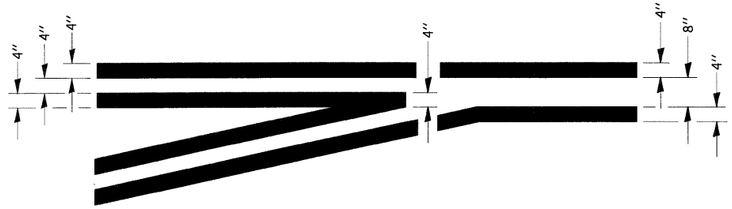
IDOT DISTRICT 3 DETAILS

SCALE: N.T.S. | DETAIL 5 OF 15 | STA. | TO STA.

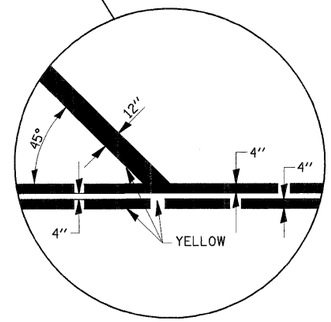
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	333
	FINAL SUBMITTAL	CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			

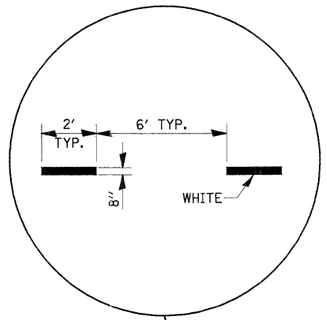


780–19



TYPICAL APPLICATION @ LEFT TURN LANES 780–1

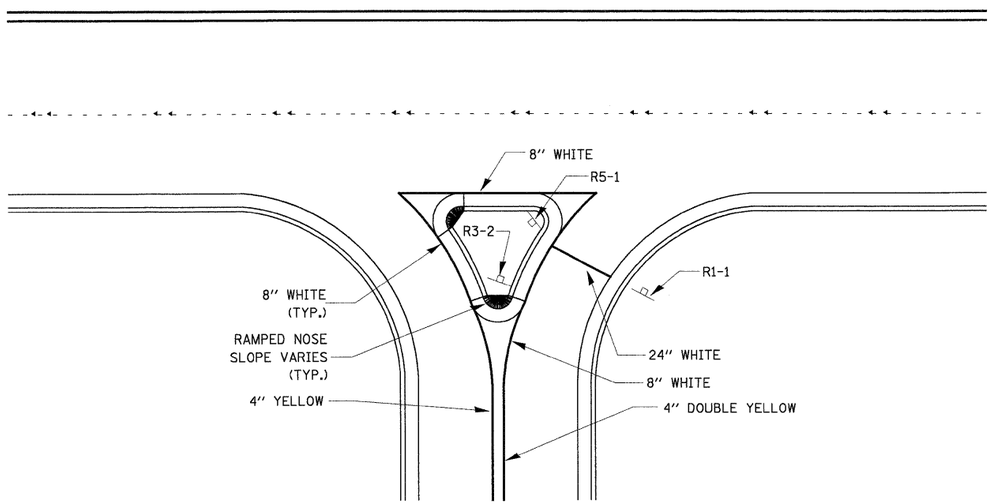




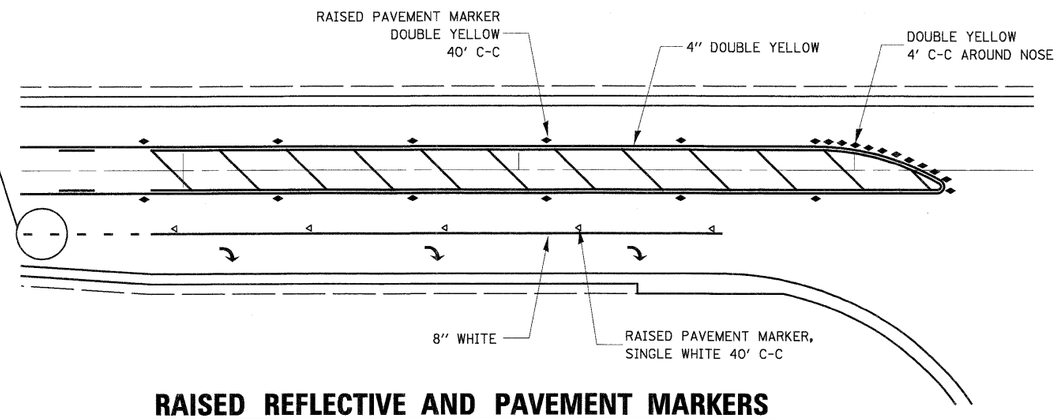
780–5

ADVANCE AND INTERSECTION LANE DIVIDER LINES

URBAN PAVEMENT MARKING



RIGHT IN RIGHT OUT ACCESS PAVEMENT MARKING 780–16



RAISED REFLECTIVE AND PAVEMENT MARKERS @ RIGHT TURN LANE 781–1

PB Americas, Inc.
230 WEST MONROE STREET,
SUITE 900
CHICAGO, IL. 60606
(312)782-8150

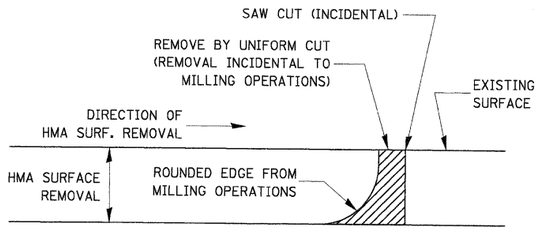
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IDOT DISTRICT 3 DETAILS

SCALE: N.T.S. | DETAIL 6 OF 15 | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	334
	FINAL SUBMITTAL	CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			

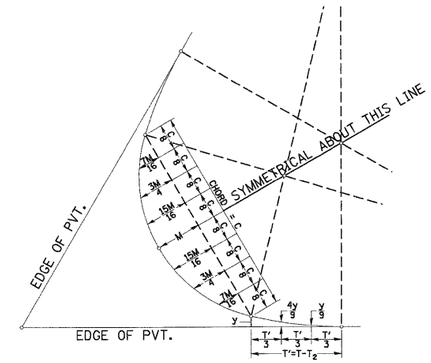


NOTE:

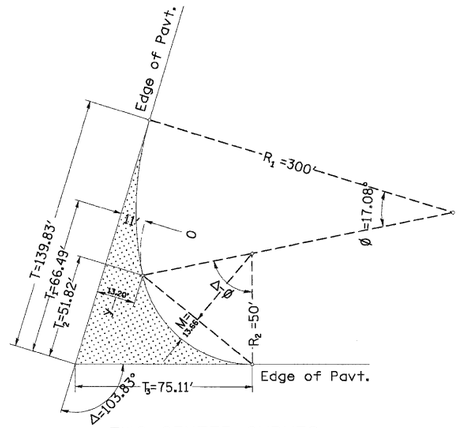
WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL

HMA DETAIL AT BUTT JOINTS

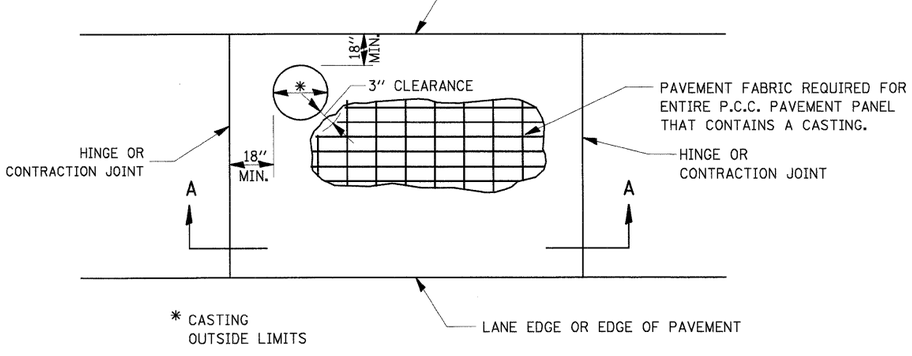
406–8

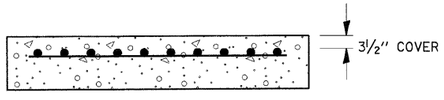


FIELD LAYOUT METHOD



TWO CENTER CURVES





SECTION A-A

GENERAL NOTES

THE CASTING SHALL BE SET TO GRADE, ANCHORED, AND INCORPORATED INTO THE P.C.C. PAVEMENT CONSTRUCTION. SEPARATE PAVEMENT BLOCKOUTS WILL NOT BE ALLOWED.

SEE STD. 420701 FOR ADDITIONAL PAVEMENT FABRIC DETAILS.

PAVEMENT FABRIC WILL BE PAID FOR SEPARATELY. THE QUANTITY OF PAVEMENT FABRIC WILL BE THE COMPUTED SURFACE AREA OF THE P.C.C. PAVEMENT PANEL IN WHICH THE PAVEMENT FABRIC IS INSTALLED. NO DEDUCTION WILL BE MADE FOR THE CASTING AREA.

CASTINGS IN P.C.C. PAVEMENT

420–2

CURVE #	1	2
R_1	300′	300′
R_2	50′	50′
O	11′	11′
Δ	103.83′	103.83′
T	139.83′	139.83′
T_1	66.49′	66.49′
T_2	51.82′	51.82′
T_3	75.11′	75.11′
y	13.20′	13.20′
$\frac{4y}{9}$	5.87′	5.87′
$\frac{y}{9}$	1.47′	1.47′
M	13.66′	13.66′
$\frac{15M}{16}$	12.81′	12.81′
$\frac{3M}{4}$	10.25′	10.25′
$\frac{7M}{16}$	5.98′	5.98′
C	68.66′	68.66′

TWO CENTER CURVE DATA

US34 AND NEEDHAM ROAD
INTERSECTION

420–5

PB Americas, Inc.
230 WEST MONROE STREET, SUITE 900
CHICAGO, IL. 60606
(312)782-8150

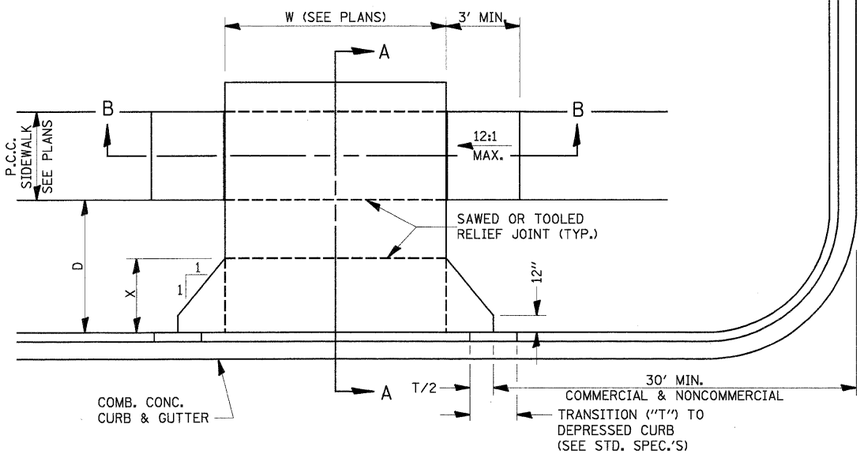
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PLOT SCALE =	CHECKED - KJB	REVISED -
PLOT DATE = 19-AUG-2011 08:27	DATE - 08-18-2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

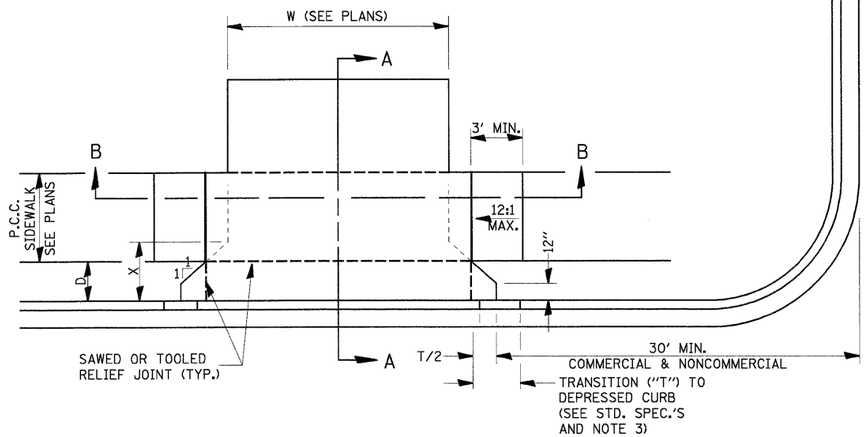
IDOT DISTRICT 3 DETAILS

SCALE: N.T.S. | DETAIL 7 OF 15 | STA. | TO STA.

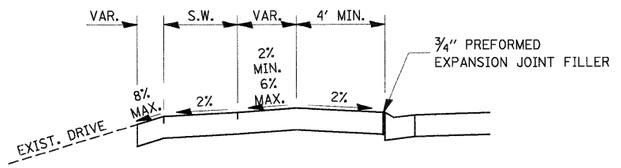
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	335
	FINAL SUBMITTAL	CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			



CASE I (D ≥ X)

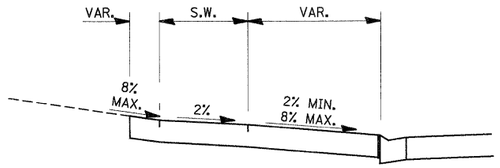


CASE I (D < X)

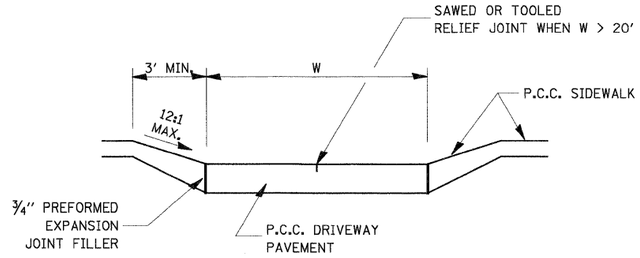


DEPRESSED ENTRANCE*
SECTION A-A

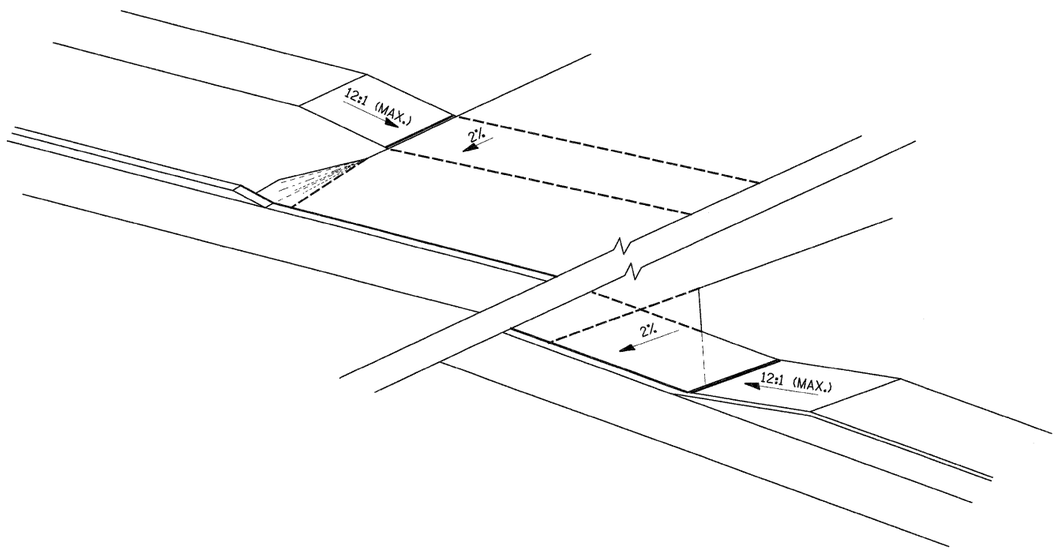
*(SEE X-SECTIONS FOR ENTRANCE PROFILE.)



ELEVATED ENTRANCE *
SECTION A-A



SECTION B-B



GENERAL NOTES:

1. X = 7' (NON-COMMERCIAL) X = 15' (COMMERCIAL)
2. COST OF EXPANSION JOINTS AND RELIEF JOINTS SHALL BE INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT.
3. AS THE DIMENSION "D" APPROACHES ZERO, THE TRANSITION TO DEPRESSED CURB SHALL BE NO STEEPER THAN 12:1
4. PROPOSED DRIVEWAY PAVEMENT SHALL BE P.C. CONCRETE WITHIN THE PROPOSED R.OW. THICKNESS IS SHOWN ON THE PLANS.
5. THE MATERIAL TYPE AND THICKNESS OF PROPOSED DRIVEWAY PAVEMENT TO BE CONSTRUCTED OUTSIDE OF THE PROPOSED R.O.W. AND WITHIN TEMPORARY EASEMENTS IS SHOWN ON THE PLANS.

PCC URBAN ENTRANCES

423-1

PB Americas, Inc.
230 WEST MONROE STREET, SUITE 900
CHICAGO, IL. 60606
(312)782-8150

FILE NAME = D366985-sht-details.dgn	DESIGNED - MMS	REVISED -	
	DRAWN - MMS	REVISED -	
PLOT SCALE =	CHECKED - KJB	REVISED -	
PLOT DATE = 19-AUG-2011 08:27	DATE - 08-18-2011	REVISED -	

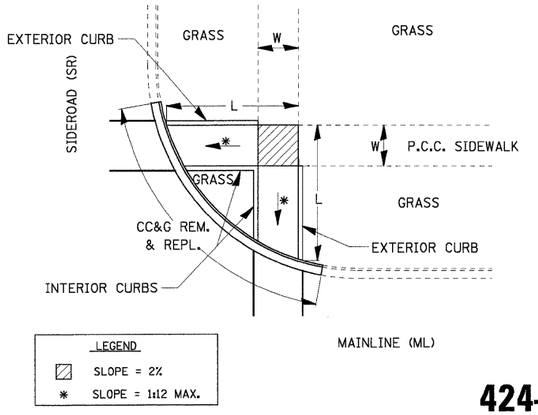
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IDOT DISTRICT 3 DETAILS

SCALE: N.T.S. | DETAIL 8 OF 15 | STA. | TO STA.

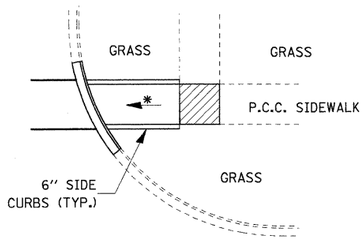
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	336
	FINAL SUBMITTAL	CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			

@FILE1.8



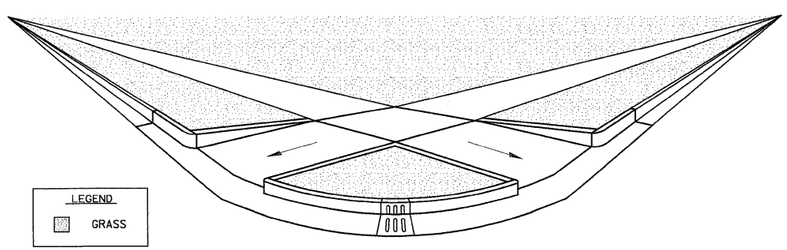
424–5

ADA SIDEWALK ACCESSIBILITY RAMPS METHOD 1



424–6

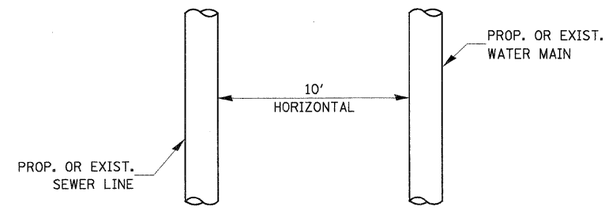
TYPICAL CURB APPLICATIONS FOR METHOD 1



ADA SIDEWALK ACESSIBILITY RAMPS METHOD 1 PERSPECTIVE WITH SIDE CURBS

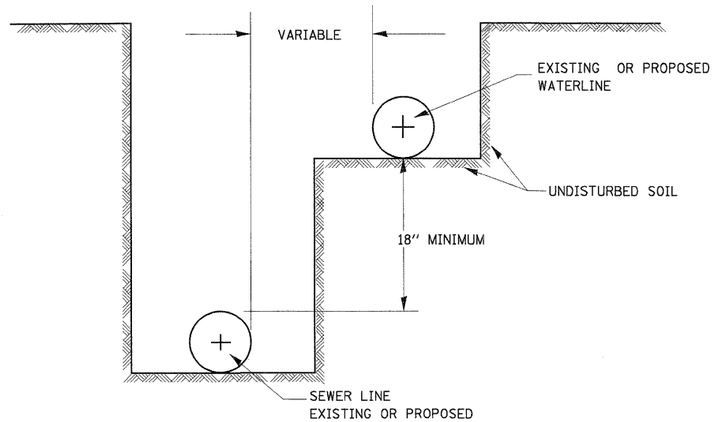
424–7

PROPOSED SEWER (OR WATER) IS LOCATED 10 FEET OR MORE FROM EXISTING WATER (OR SEWER).



PLAN VIEW

PROPOSED SEWER (OR WATER) IS LOCATED LESS THAN 10 FEET FROM EXISTING WATER (OR SEWER).



WATER AND SEWER SEPARATION REQUIREMENTS – HORIZONTAL SEPARATION

563–3

PB Americas, Inc.
230 WEST MONROE STREET,
SUITE 900
CHICAGO, IL. 60606
(312)782-8150

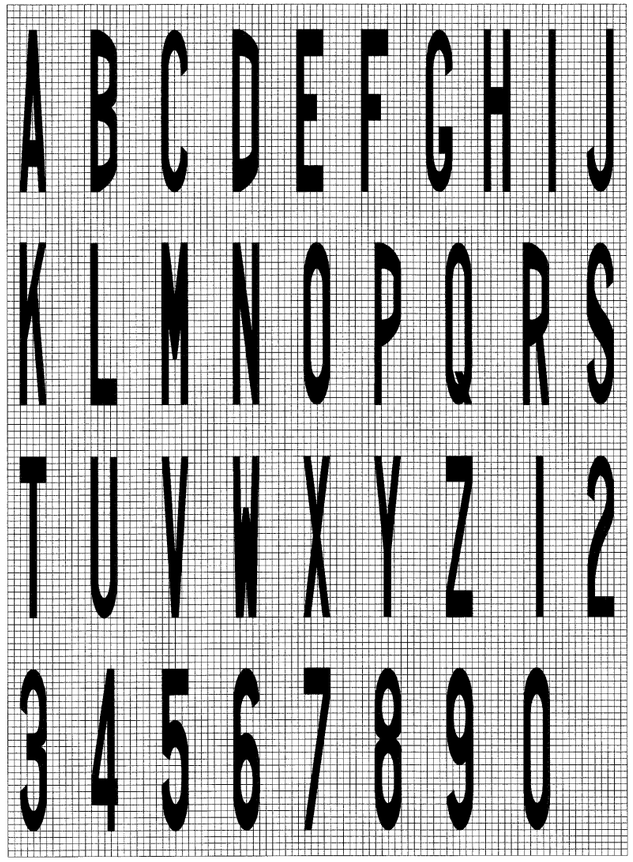
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	DRAWN - MMS	REVISED -	
PLOT SCALE =	CHECKED - KJB	REVISED -	
PLOT DATE = 19-AUG-2011 08:27	DATE - 08-18-2011	REVISED -	

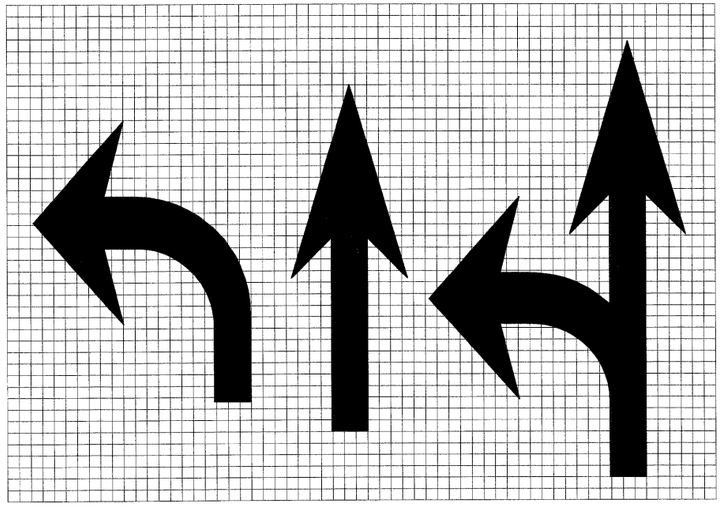
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

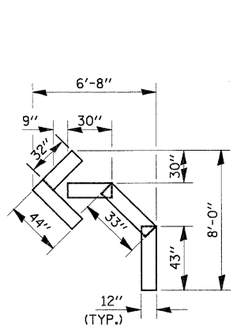
IDOT DISTRICT 3 DETAILS

SCALE: N.T.S. | DETAIL 9 OF 15 | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	337
	FINAL SUBMITTAL	CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			

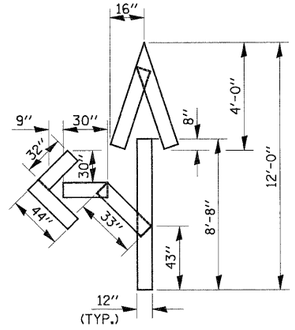






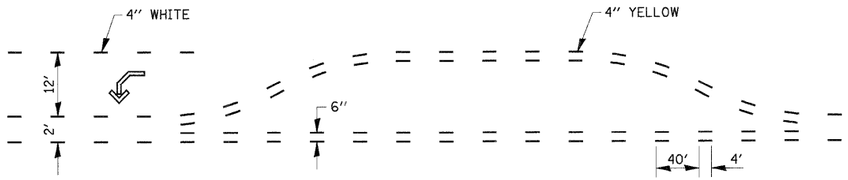
QUANTITY

12" LINE = 16 LIN. FT.
OR 4" LINE = 48 LIN. FT.



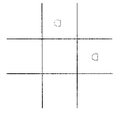
QUANTITY

12" LINE = 29 LIN. FT.
OR 4" LINE = 87 LIN. FT.



SHORT-TERM PAVEMENT MARKING FOR MEDIANS AND ARROWS

703-1

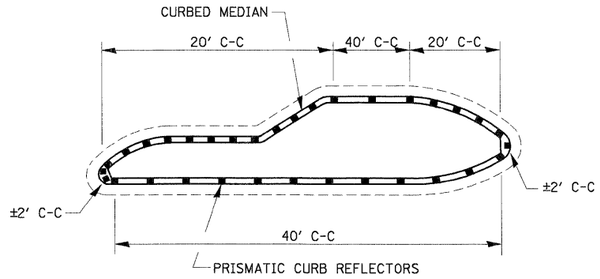


LEGEND HEIGHT	ARROW SIZE	a
6'	SMALL	2.9
8'	LARGE	3.8

THE SPACE BETWEEN ADJACENT LETTERS OR NUMERALS SHOULD BE APPROXIMATELY 3' FOR 6' LEGEND AND 4' FOR 8' LEGEND.

LETTER AND ARROW GRID SCALE

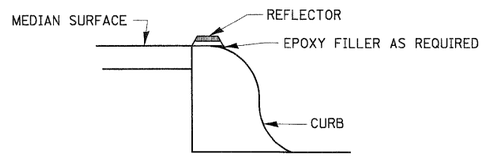
780-20



1. PRISMATIC REFLECTORS SHALL BE BI-DIRECTIONAL.
2. PRISMATIC REFLECTORS SHALL BE SECURED IN PLACE WITH AN EPOXY ADHESIVE.
3. PRISMATIC RELECTORS SHALL BE AMBER IN COLOR.

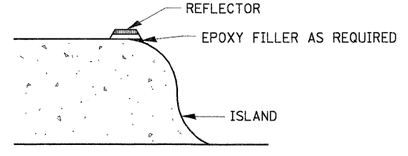
PRISMATIC CURB REFLECTORS AT CURB MEDIANS

782-1



SECTION VIEW

OPTION 1



SECTION VIEW

OPTION 2

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SUITE 900
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(312)782-8150

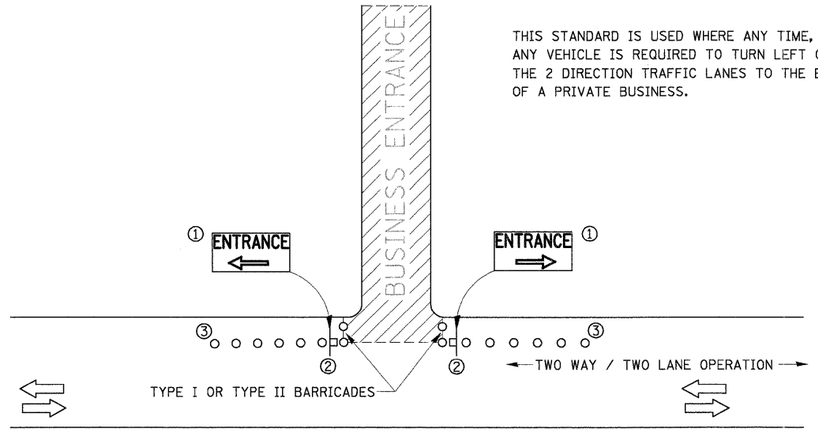
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	DRAWN - MMS	REVISED -
PLOT SCALE =	CHECKED - KJB	REVISED -
PLOT DATE = 19-AUG-2011 08:27	DATE - 08-18-2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IDOT DISTRICT 3 DETAILS

SCALE: N.T.S. | DETAIL 10 OF 15 | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	338
	FINAL SUBMITTAL	CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			



THIS STANDARD IS USED WHERE ANY TIME, DAY OR NIGHT, ANY VEHICLE IS REQUIRED TO TURN LEFT OR RIGHT FROM THE 2 DIRECTION TRAFFIC LANES TO THE ENTRANCE ZONE OF A PRIVATE BUSINESS.

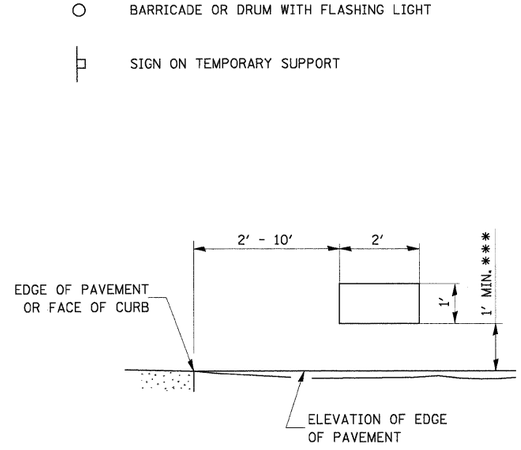
SYMBOLS

- BUSINESS ENTRANCE ZONE
- BARRICADE OR DRUM WITH FLASHING LIGHT
- SIGN ON TEMPORARY SUPPORT

① REFER TO BUSINESS ENTRANCE SIGN TABLE FOR DIMENSIONS.

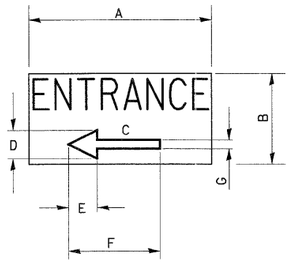
② SEE "SIGNS ON TEMPORARY SUPPORTS" DETAIL.

③ DRUMS



SIGNS ON TEMPORARY SUPPORTS

*** WHEN WORK OPERATIONS EXCEED FOUR DAYS, THIS DIMENSION SHALL BE 5' MIN. IF LOCATED BEHIND OTHE DEVICES, THE HEIGHT SHALL BE SUFFICIENT TO BE SEEN BY MOTORISTS.



BUSINESS ENTRANCE SIGN

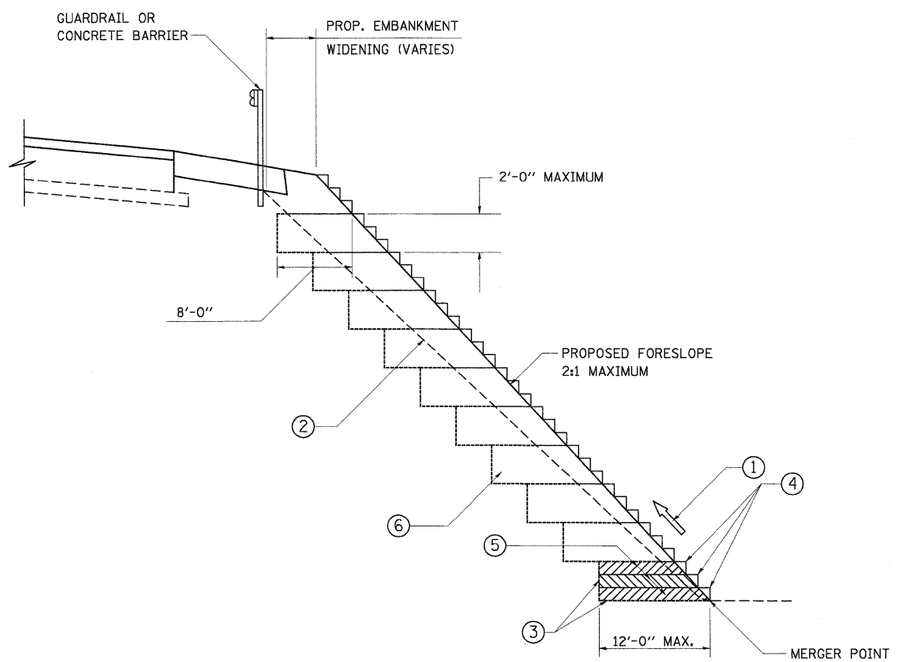
4" BLUE LETTERING NON-REFLECTIVE WITH WHITE REFLECTIVE BACKGROUND

SIGN SIZE	DIMENSIONS						
	A	B	C	D	E	F	G
24 X 12	24	12	8.25	4.75	3.75	12	2.25

SIGNS FOR BUSINESSES ABUTTING THE WORK ZONE, DELINEATING THE WAY THROUGH THE BARRICADES TO RESPECTIVE ENTRANCES.

BUSINESS ABUTTING WORK ZONE ENTRANCE SIGN

701-9



TYPICAL BENCHING DETAIL FOR EMBANKMENT

NOTES:

1. CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
2. EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
3. BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
4. TRIM TO FINAL SLOPE.
5. EQUAL 8-INCH LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
6. EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
7. SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5m).

PB Americas, Inc.
230 WEST MONROE STREET, SUITE 900
CHICAGO, IL. 60606
(312)782-8150

FILE NAME = D366985-sht-details.dgn
PLOT SCALE =
PLOT DATE = 19-AUG-2011 08:27

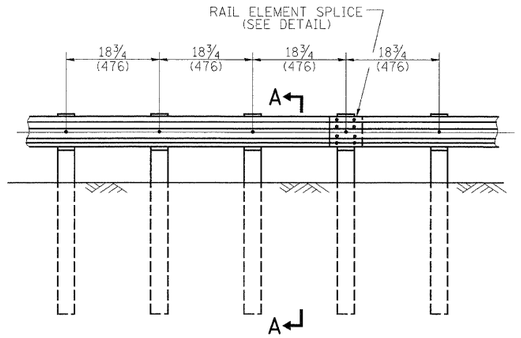
DESIGNED - MMS
DRAWN - MMS
CHECKED - KJB
DATE - 08-18-2011

REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IDOT DISTRICT 3 DETAILS
SCALE: N.T.S. | DETAIL 11 OF 15 | STA. | TO STA.

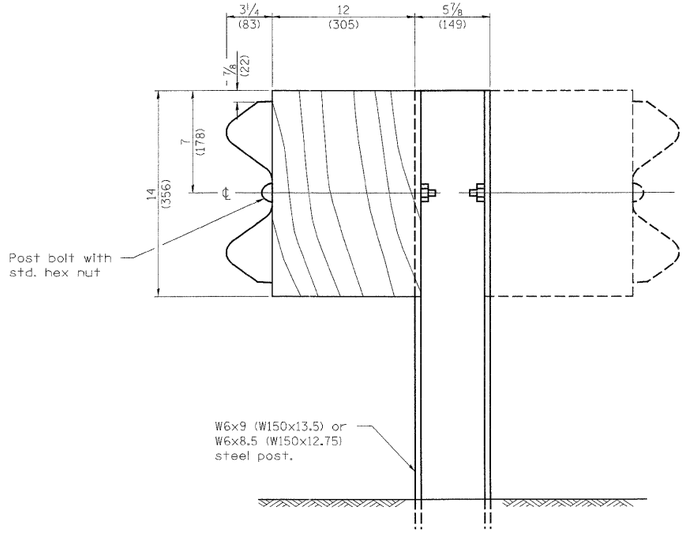
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	339
	FINAL SUBMITTAL	CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			



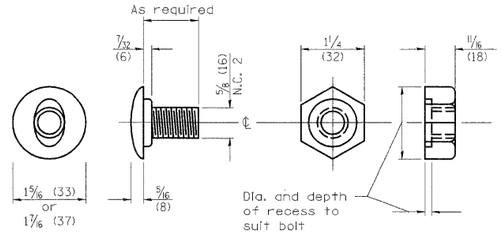
ELEVATION

TYPE B

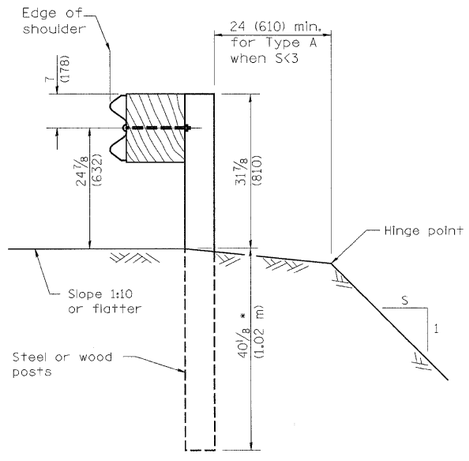
18¾ CLOSED POST SPACING



STEEL POST CONSTRUCTION

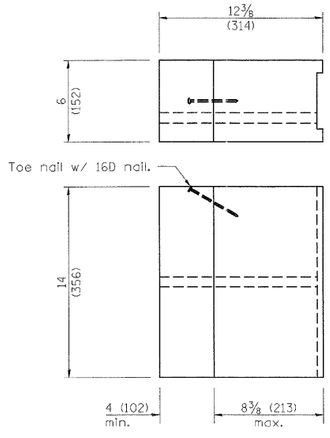


POST OR SPLICE BOLT & NUT

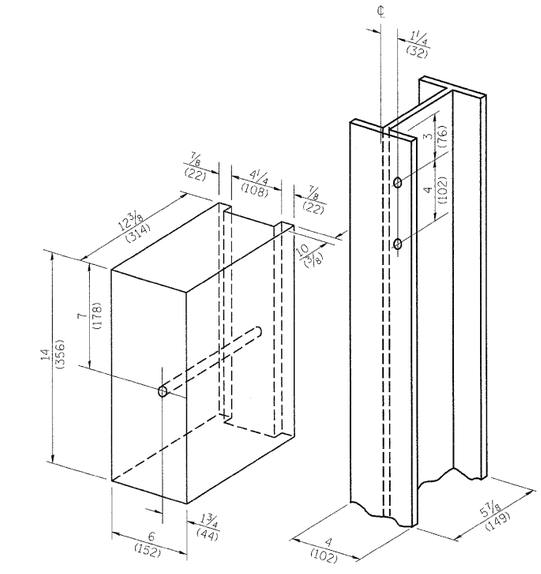


SECTION A-A

* When "S" is less than 3 and the distance from the back of post is less than 24 (610), the post embedment shall be 76⅛ (1934).



TWO-PIECE WOOD BLOCKOUT OPTION



Note:
All holes ¾ (20) dia.

WOOD BLOCK-OUT AND STEEL POST DETAILS

GENERAL NOTES

All slope ratios are expressed as uni
displacement to units of horizontal c
(V:H).

All dimensions are in inches (mm) unles
otherwise shown.

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SUITE 900
CHICAGO, IL. 60606
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FILE NAME = D366985-sht-details.dgn	DESIGNED - MMS	REVISED -
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PLOT DATE = 19-AUG-2011 08:27	DATE - 08-18-2011	REVISED -

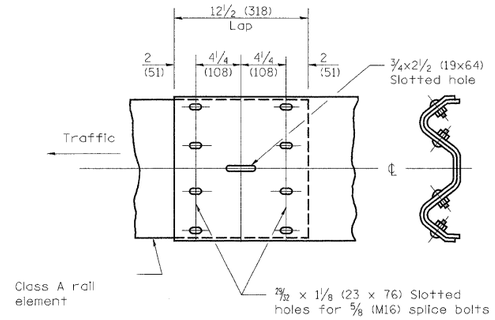
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IDOT DISTRICT 3 DETAILS

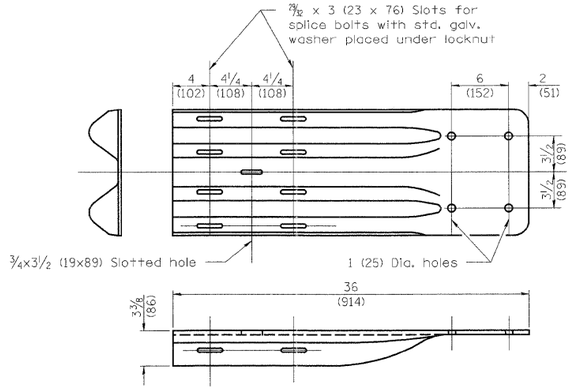
SCALE: N.T.S. | DETAIL 12 OF 15 | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	340
	FINAL SUBMITTAL	CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			

$FILE$



RAIL ELEMENT SPLICE

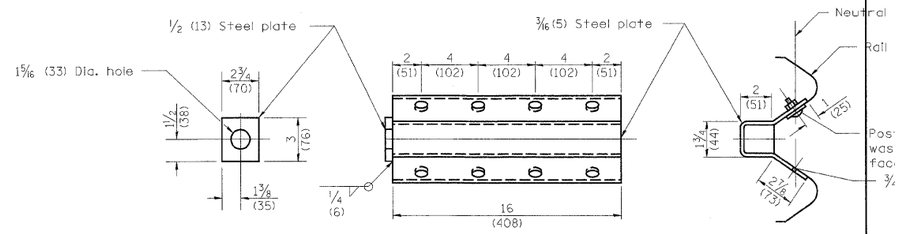


NOTE
When end shoe is attached to a bridge parapet which has an expansion joint, the bolts shall be provided with a locknut or double nut and shall be tightened only to a point that will allow guardrail movement.

The standard end shoe shall be attached to the concrete with pre-drilled or self-drilling anchor bolts. The anchor cone shall be set flush with the surface of the concrete.

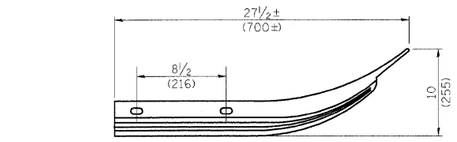
Externally threaded studs protruding from the surface of the concrete will not be permitted.

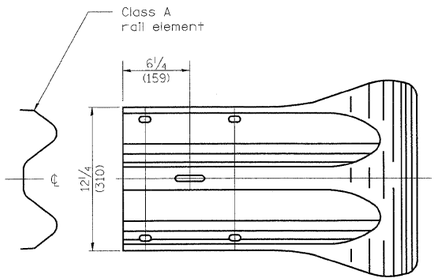
END SHOE



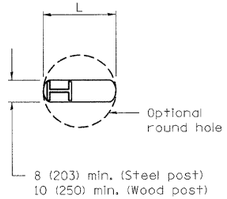
NOTE
Anchor plate T shall be used to attach cable assembly to guardrail when required on traffic barrier terminals.

ANCHOR PLATE T DETAILS

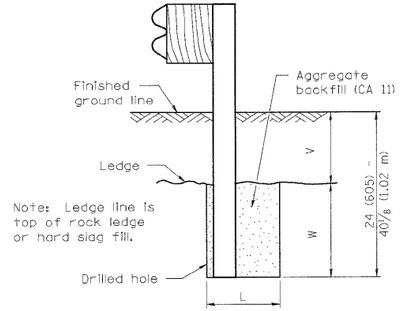




END SECTION

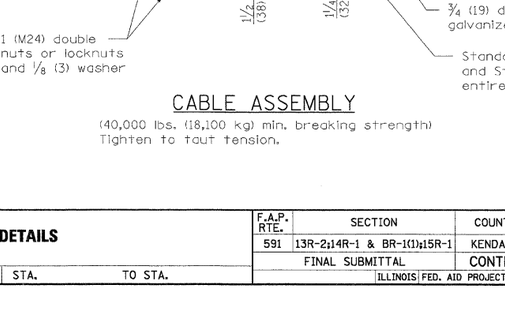


PLAN



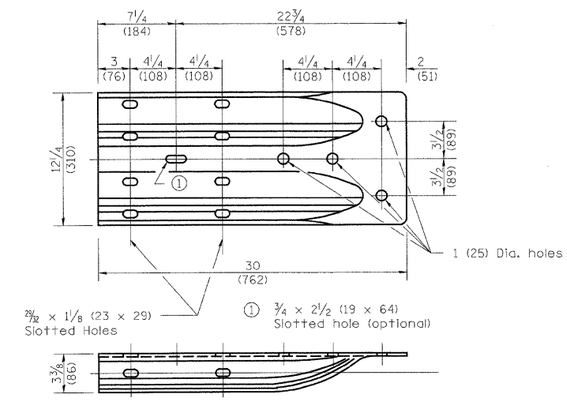
ELEVATION

FOOTING FOR POST WHEN IMPERVIOUS MATERIAL IS ENCOUNTERED



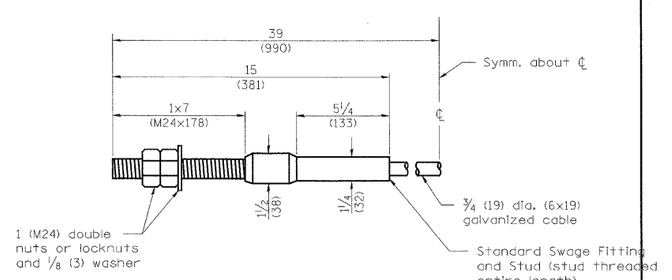
0 < D < 4′-0″ (1.2 m)

GUARDRAIL PLACED BEHIND CURB
Note: The prefered dimension of D is 6 (152).



ALTERNATE END SHOE

V	W	L	
		Steel Post	Wood Post
0 - 6 (0 - 152)	24 (610)	21 (530)	23 (580)
> 6 - 18 (> 152 - 458)	18 (458)	14½ (368)	16½ (419)
> 18 - 31 (> 458 - 787)	12 (305)	8 (203)	10 (250)
> 31 - 40⅛ (> 787 - 1.02 m)	12 - 0 (305 - 0)	8 (203)	10 (250)



CABLE ASSEMBLY
(40,000 lbs. (18,100 kg) min. breaking strength)
Tighten to taut tension.

PB Americas, Inc.
230 WEST MONROE STREET, SUITE 900
CHICAGO, IL. 60606
(312)782-8150

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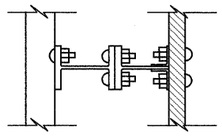
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

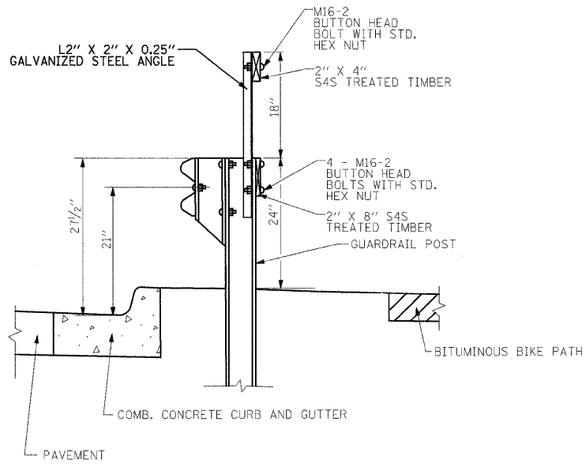
IDOT DISTRICT 3 DETAILS

SCALE: N.T.S. | DETAIL 13 OF 15 | STA. | TO STA.

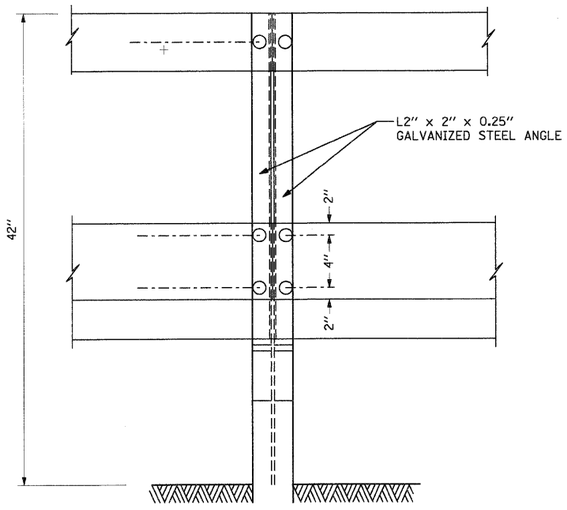
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591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	341
	FINAL SUBMITTAL	CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			



PLAN



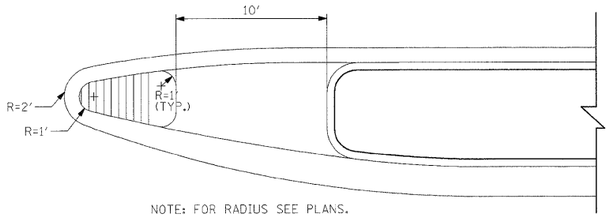
CROSS SECTION



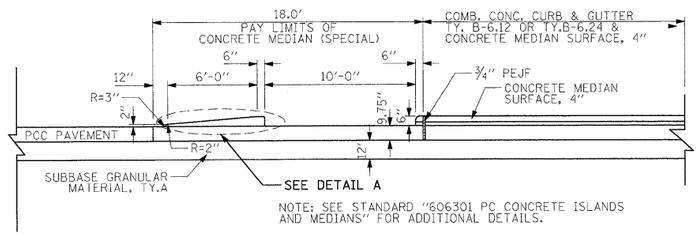
ELEVATION

(BIKE PATH SIDE)

RUB RAIL
ATTACHED TO GUARDRAIL DETAIL

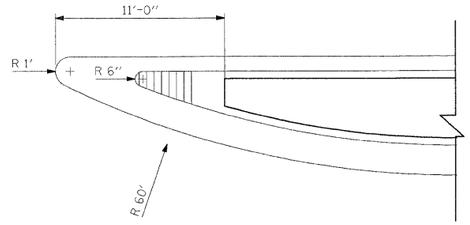


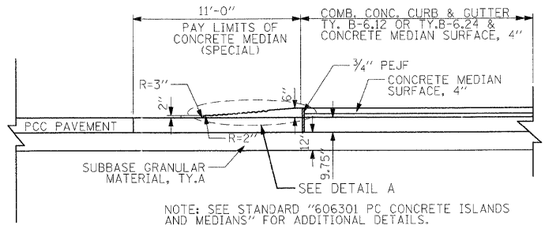
NOTE: FOR RADIUS SEE PLANS.



NOTE: SEE STANDARD "606301 PC CONCRETE ISLANDS AND MEDIANS" FOR ADDITIONAL DETAILS.

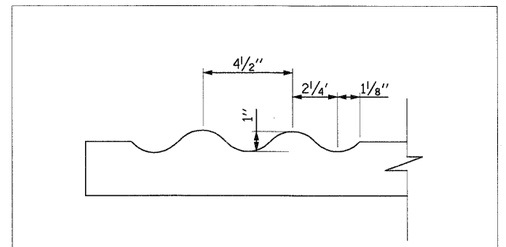
CONCRETE MEDIAN (SPECIAL) DETAIL
AT WAUBONSEE DRIVE
INTERSECTION





NOTE: SEE STANDARD "606301 PC CONCRETE ISLANDS AND MEDIANS" FOR ADDITIONAL DETAILS.

CONCRETE MEDIAN (SPECIAL) DETAIL
AT NEEDHAM ROAD
INTERSECTION



DETAIL A

PB Americas, Inc.
230 WEST MONROE STREET, SUITE 900
CHICAGO, IL. 60606
(312)782-8150

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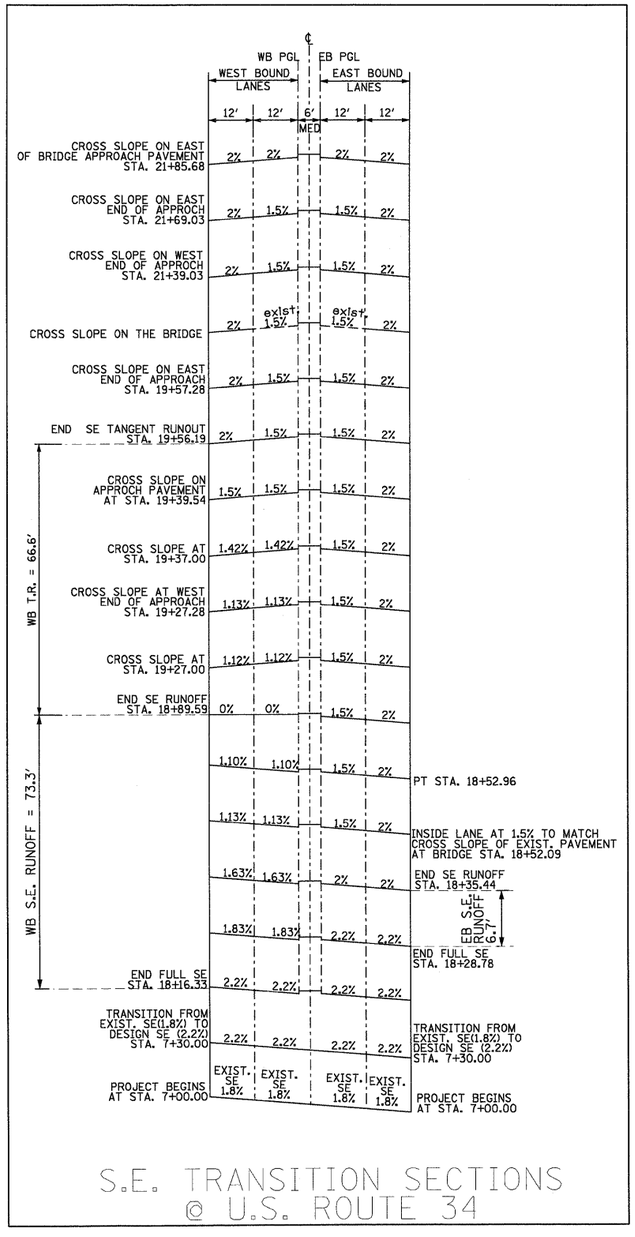
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IDOT DISTRICT 3 DETAILS

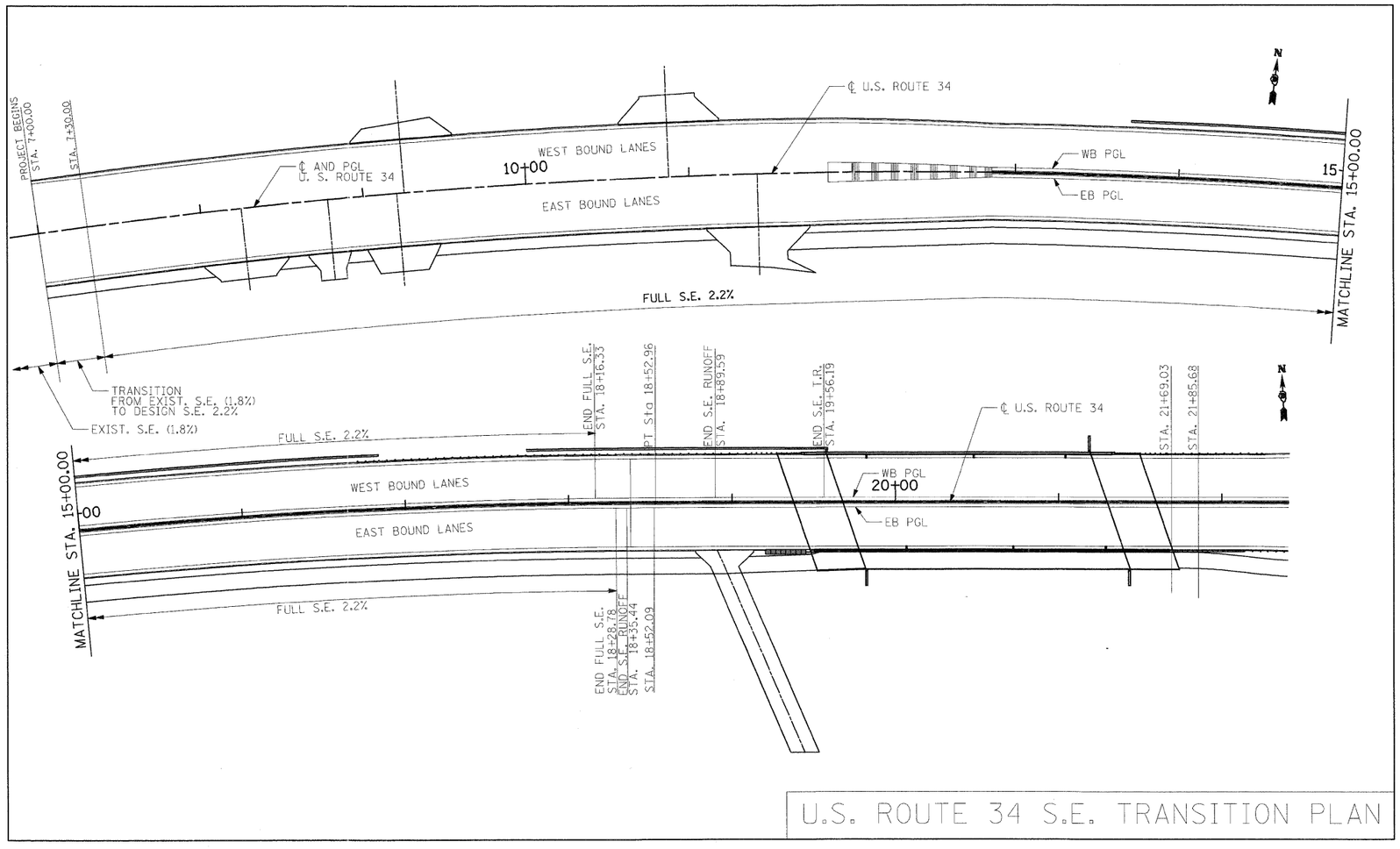
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	342
	FINAL SUBMITTAL	CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			

$FILE$



S.E. TRANSITION SECTIONS @ U.S. ROUTE 34



U.S. ROUTE 34 S.E. TRANSITION PLAN

PB Americas, Inc. 230 WEST MONROE STREET, SUITE 900 CHICAGO, IL. 60606 (312)782-8150	FILE NAME = us34 se transition.dgn	DESIGNED -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 34
SUPER-ELEVATION TRANSITION DETAILS

SCALE: | DETAIL 15 OF 15 | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	343
	FINAL SUBMITTAL	CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			

$FILE$

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	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

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

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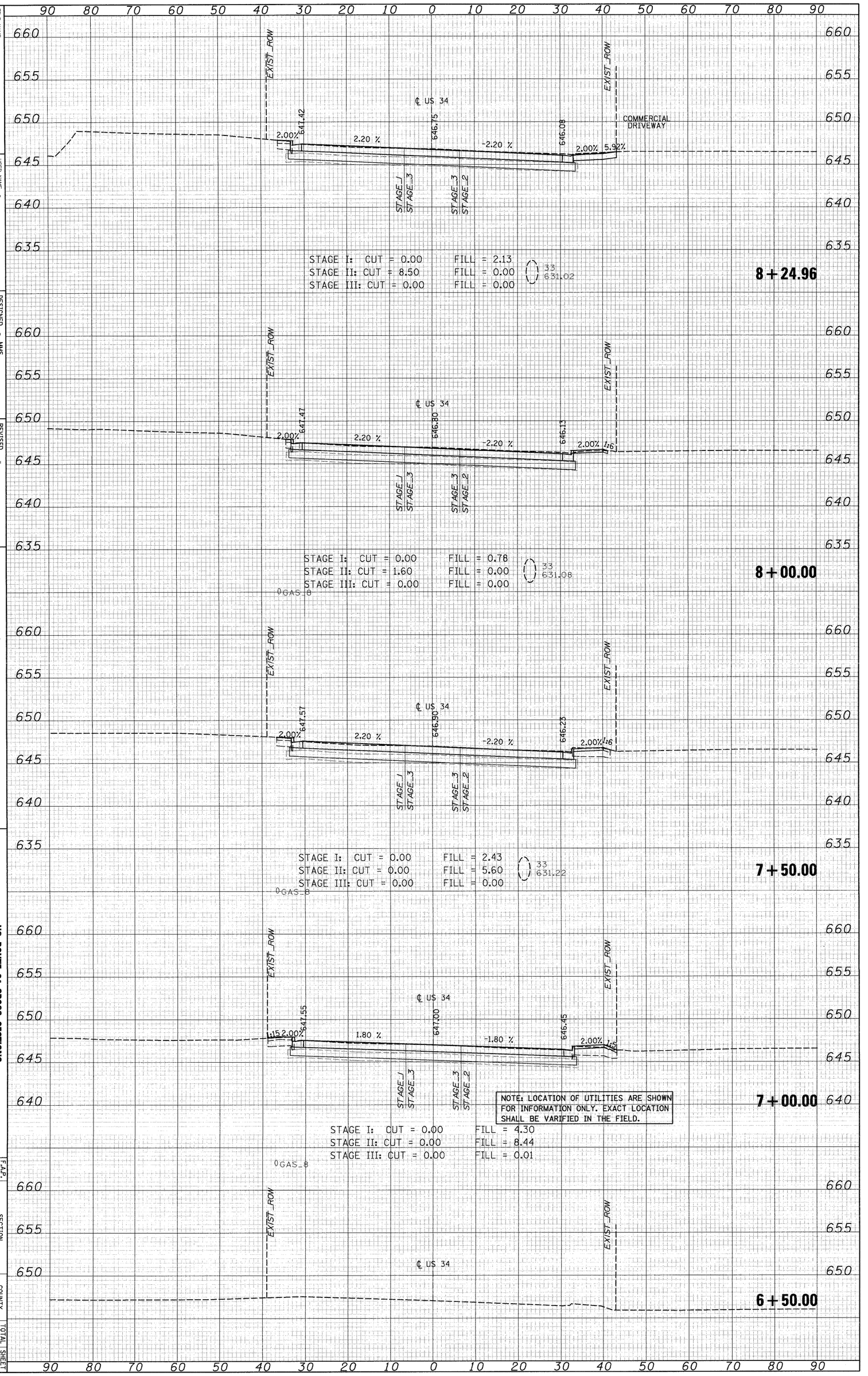
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 34 CROSS SECTIONS

SCALE:

SHEET NO. 1 OF 86 SHEETS STA. 6+50.00 TO STA. 8+24.96

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	(3R-2)2-4R-1 & BR-(10)2-5R-1	KENDALL	429	344
ILLINOIS FED. AID PROJECT		CONTRACT NO. 66985		



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

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

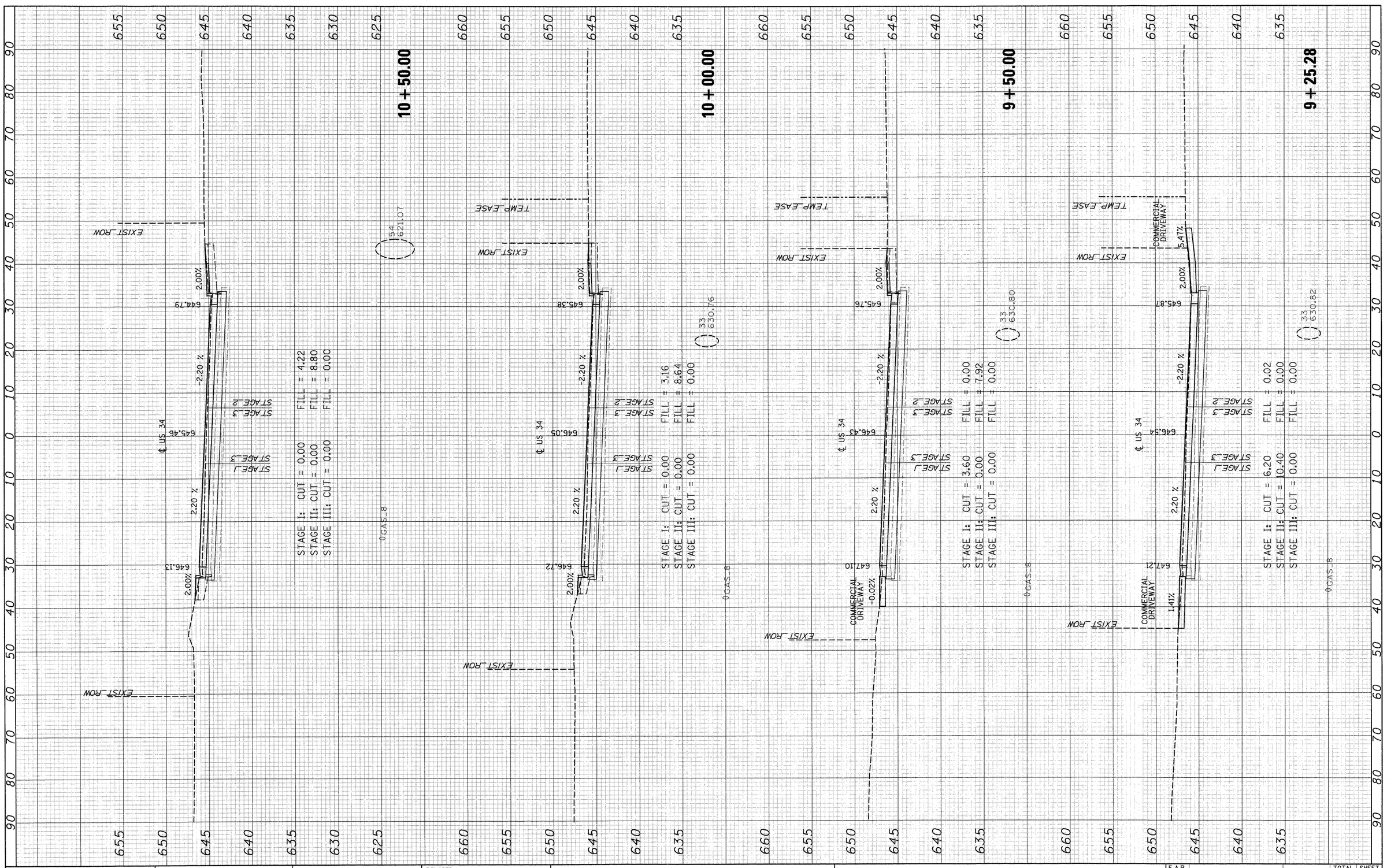
US ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 2 OF 86 SHEETS | STA. 8+50.00 | TO STA. 9+20.79

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	345
		CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			

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

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NOTE BOOK	SURVEYED	
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	AREAS	
	AREAS CHECKED	



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

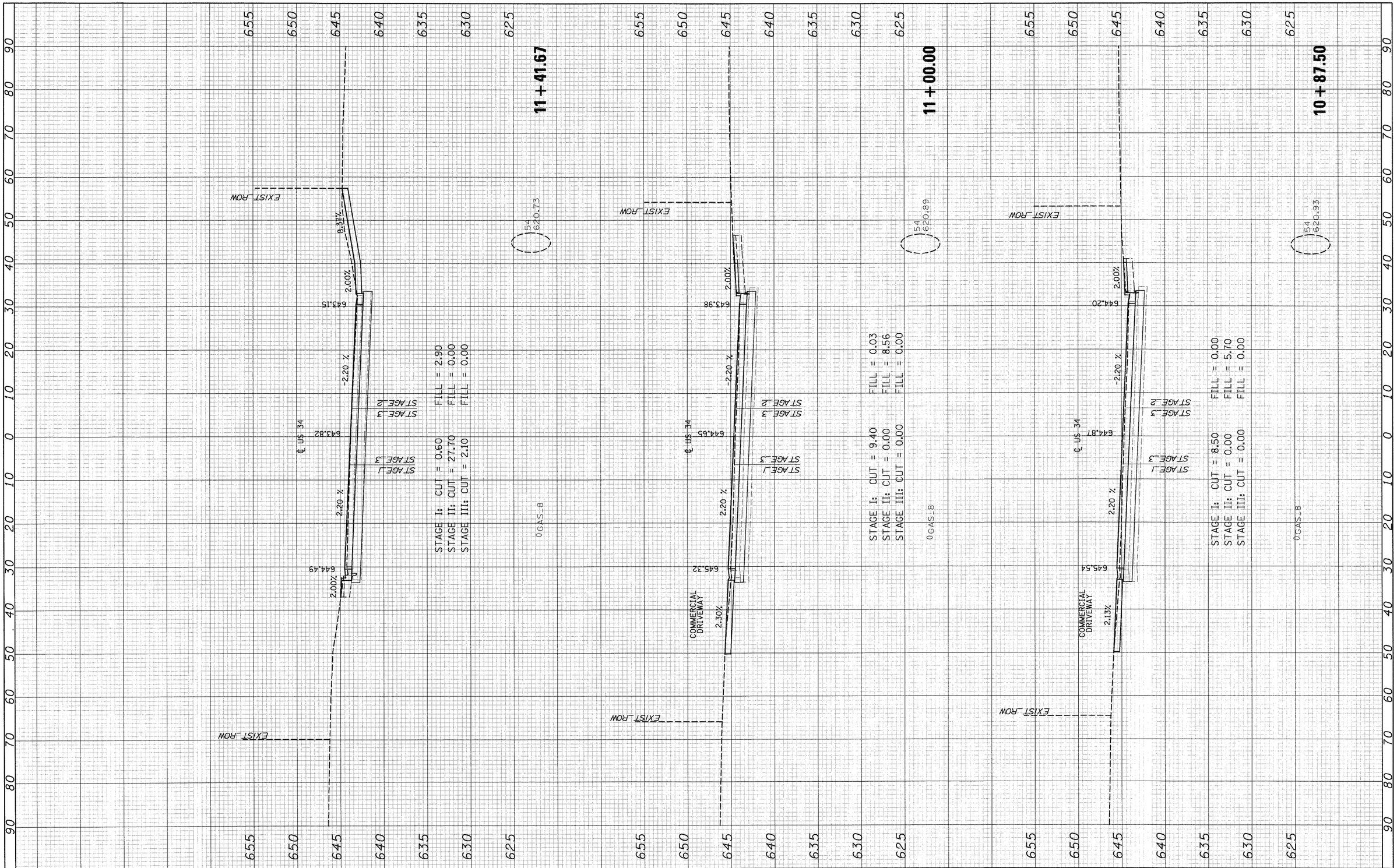
US ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 3 OF 86 SHEETS | STA. 9+25.28 | TO STA. 10+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	346
		CONTRACT NO. 66985		
	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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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

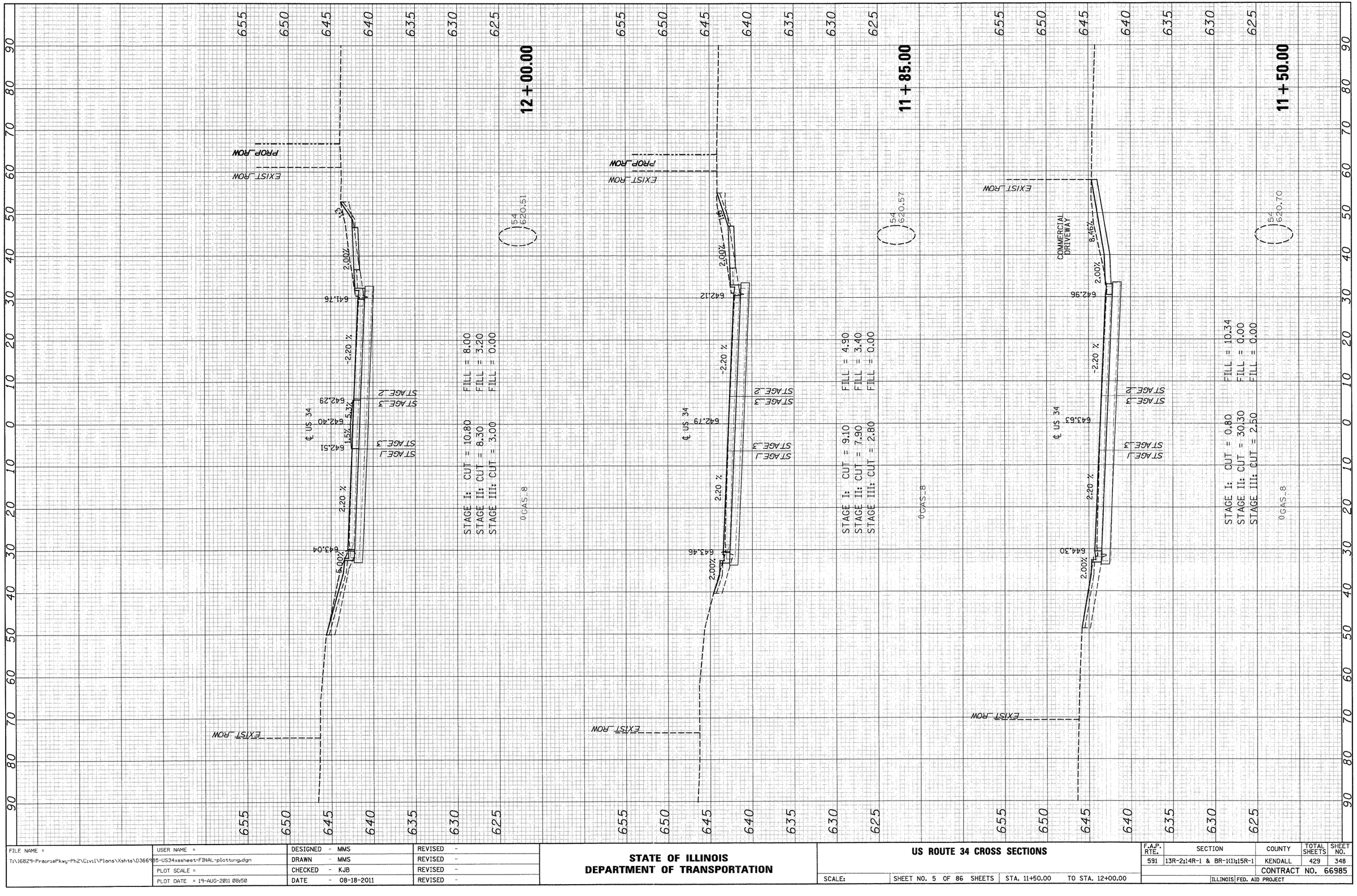
US ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 4 OF 86 SHEETS | STA. 10+87.50 TO STA. 11+41.67

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	347
		CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			

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

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



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 5 OF 86 SHEETS | STA. 11+50.00 TO STA. 12+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	348
		CONTRACT NO. 66985		
	ILLINOIS	FED. AID PROJECT		

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

ORIGINAL SURVEY	BY	DATE
SURVEYED		
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TEMPLATE		
NOTE BOOK		
AREAS		
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 6 OF 86 SHEETS | STA. 12+50.00 TO STA. 13+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	349
		CONTRACT NO. 66985		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	BY	DATE
NOTE BOOK	SURVEYED	
NO.	PLOTTED	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

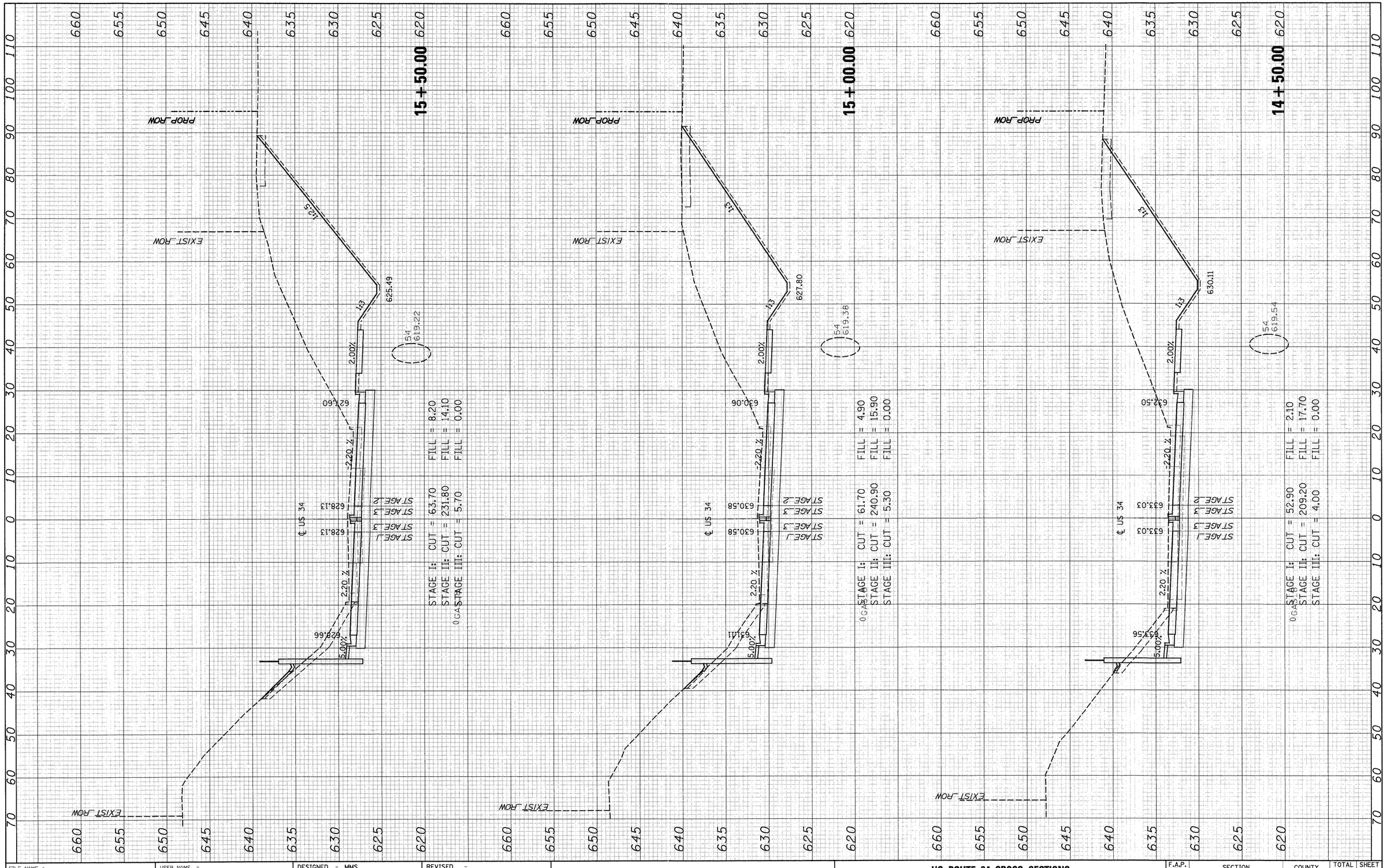
US ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 7 OF 86 SHEETS | STA. 13+50.00 TO STA. 14+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	350
		CONTRACT NO. 66985		
	ILLINOIS	FED. AID PROJECT		

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



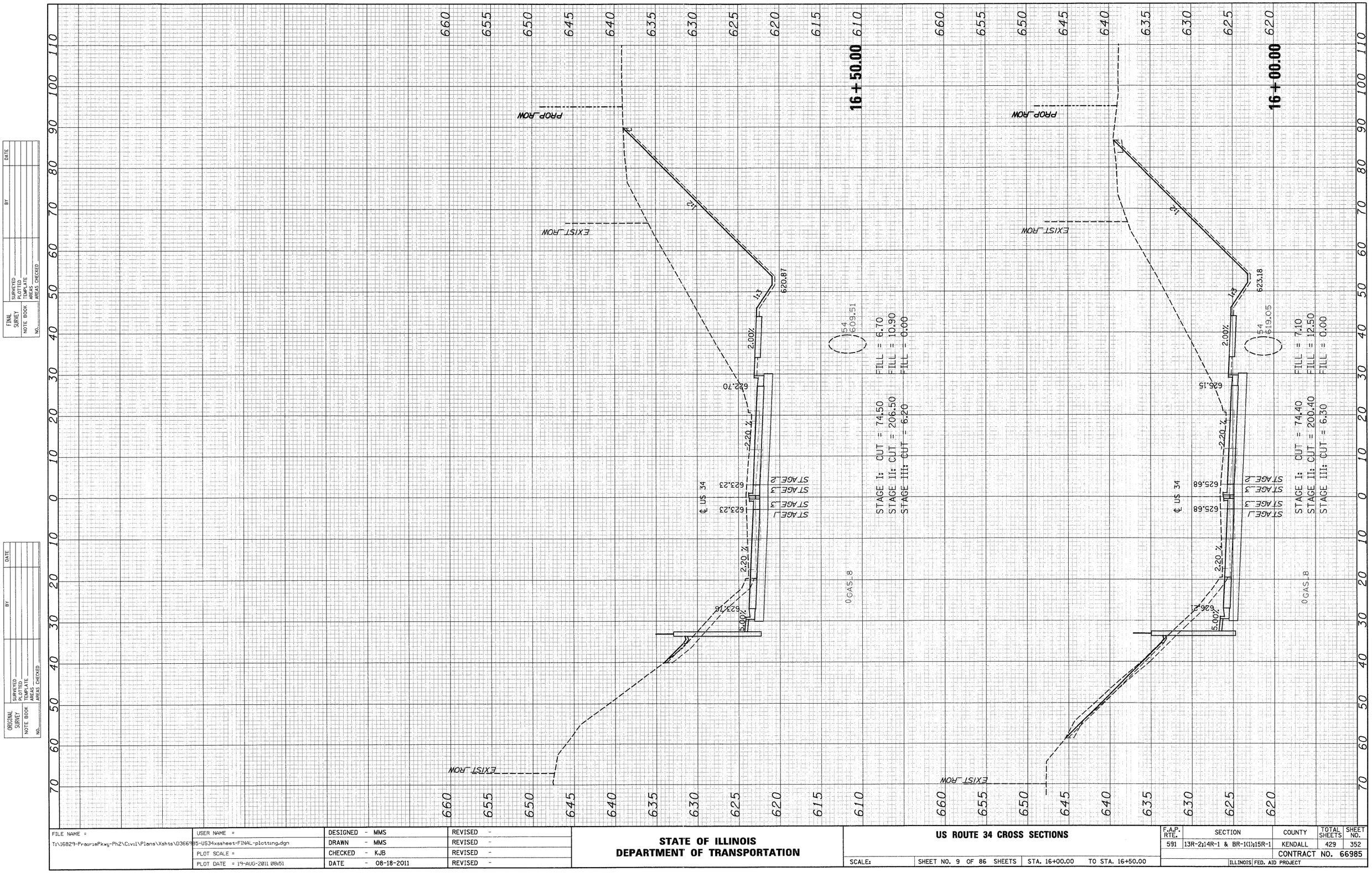
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 8 OF 86 SHEETS | STA. 14+50.00 | TO STA. 15+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	351
		CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			



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ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
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	AREAS		
	AREAS CHECKED		

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 9 OF 86 SHEETS | STA. 16+00.00 TO STA. 16+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	352
		CONTRACT NO. 66985		
	ILLINOIS	FED. AID PROJECT		

ORIGINAL SURVEY		BY	DATE
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NOTE BOOK	TEMPLATE		
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NO.	AREAS CHECKED		

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

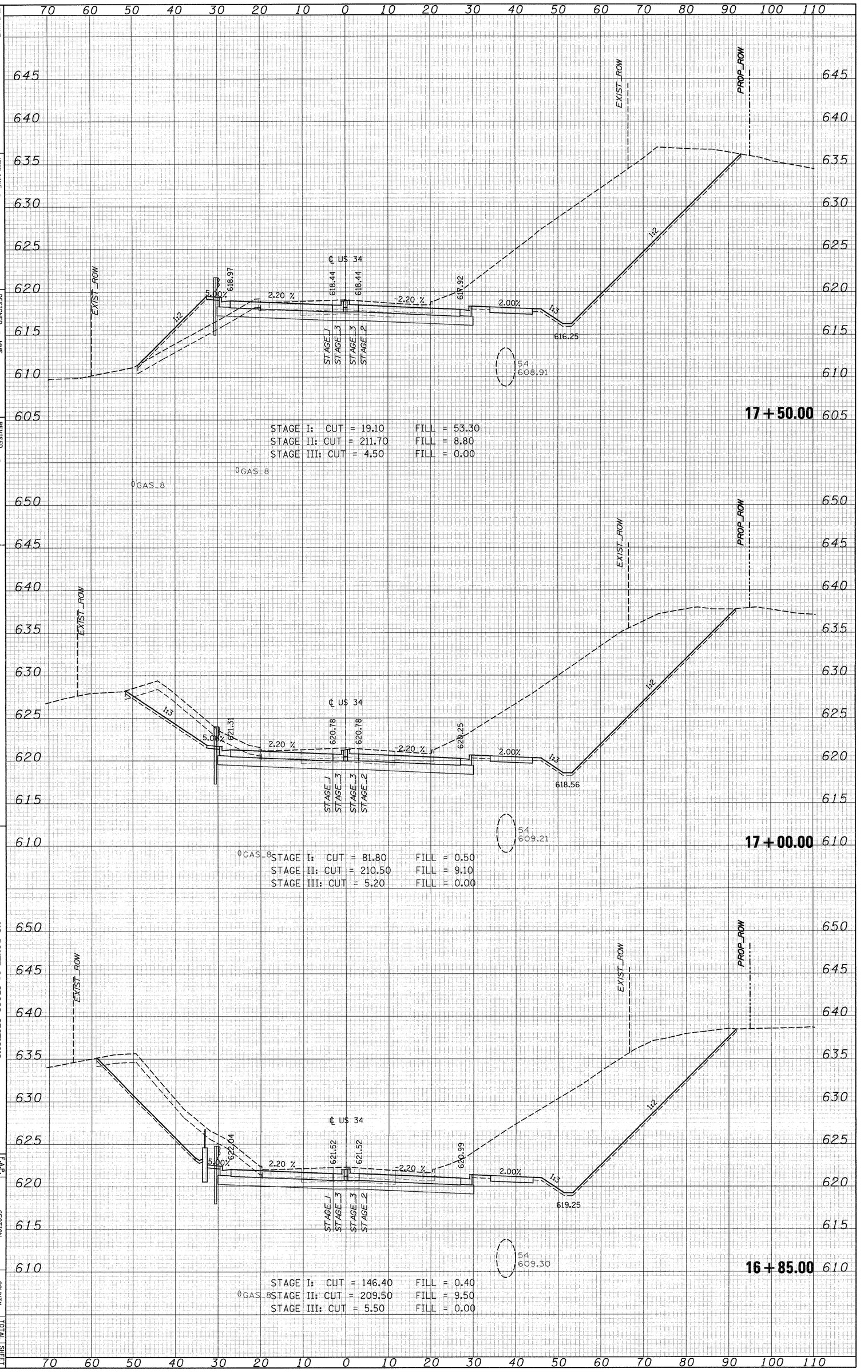
US ROUTE 34 CROSS SECTIONS

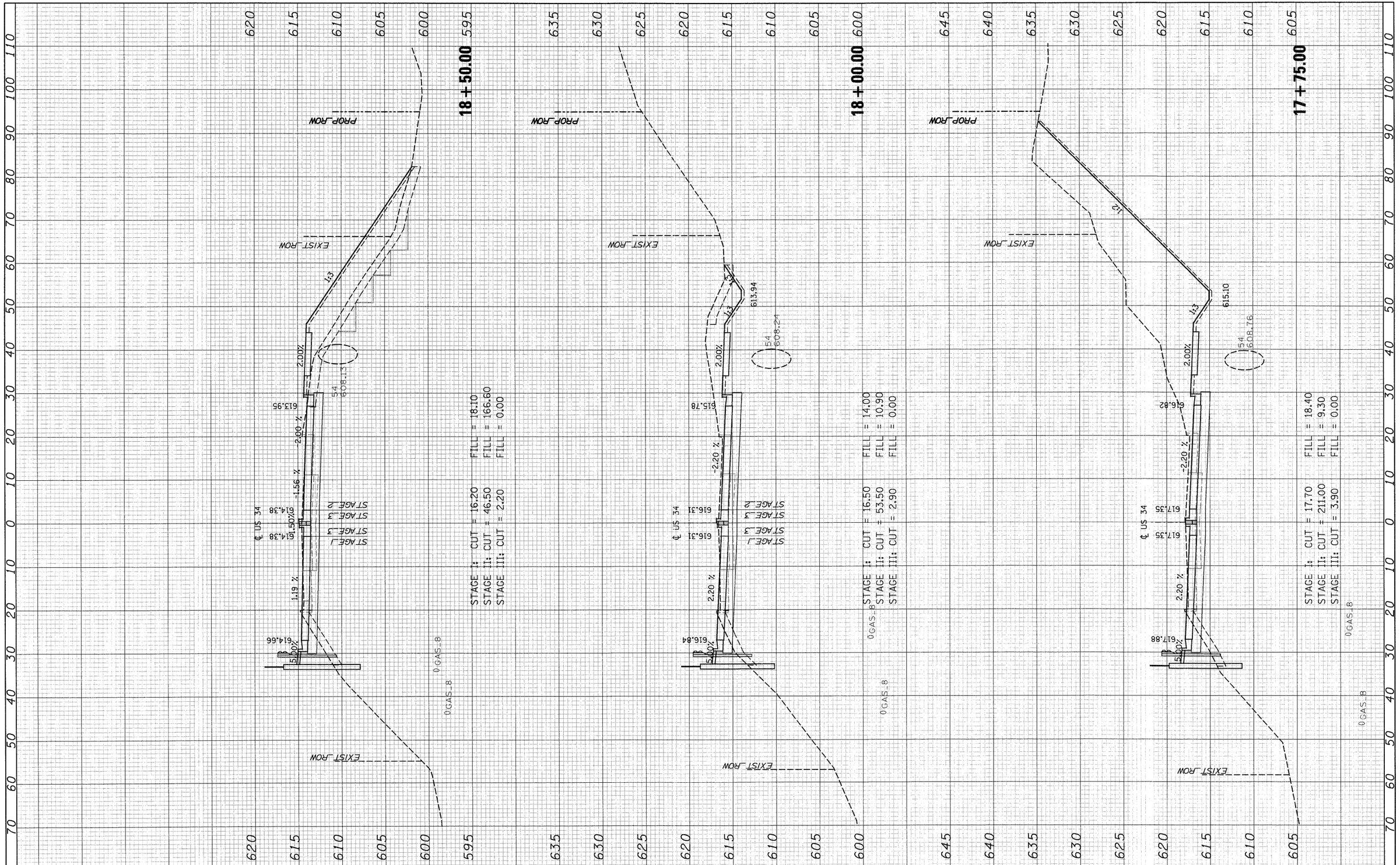
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SHEET NO. 10 OF 86 SHEETS STA. 16+85.00 TO STA. 17+50.00

F.A.P. RTE. 591 | SECTION 13R-2&4R-1 & BR-10&15R-1 | COUNTY KENDALL | TOTAL SHEETS 429 | SHEET NO. 353

ILLINOIS FED. AID PROJECT | CONTRACT NO. 66985





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

ORIGINAL SURVEY	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK	TEMPLATE		
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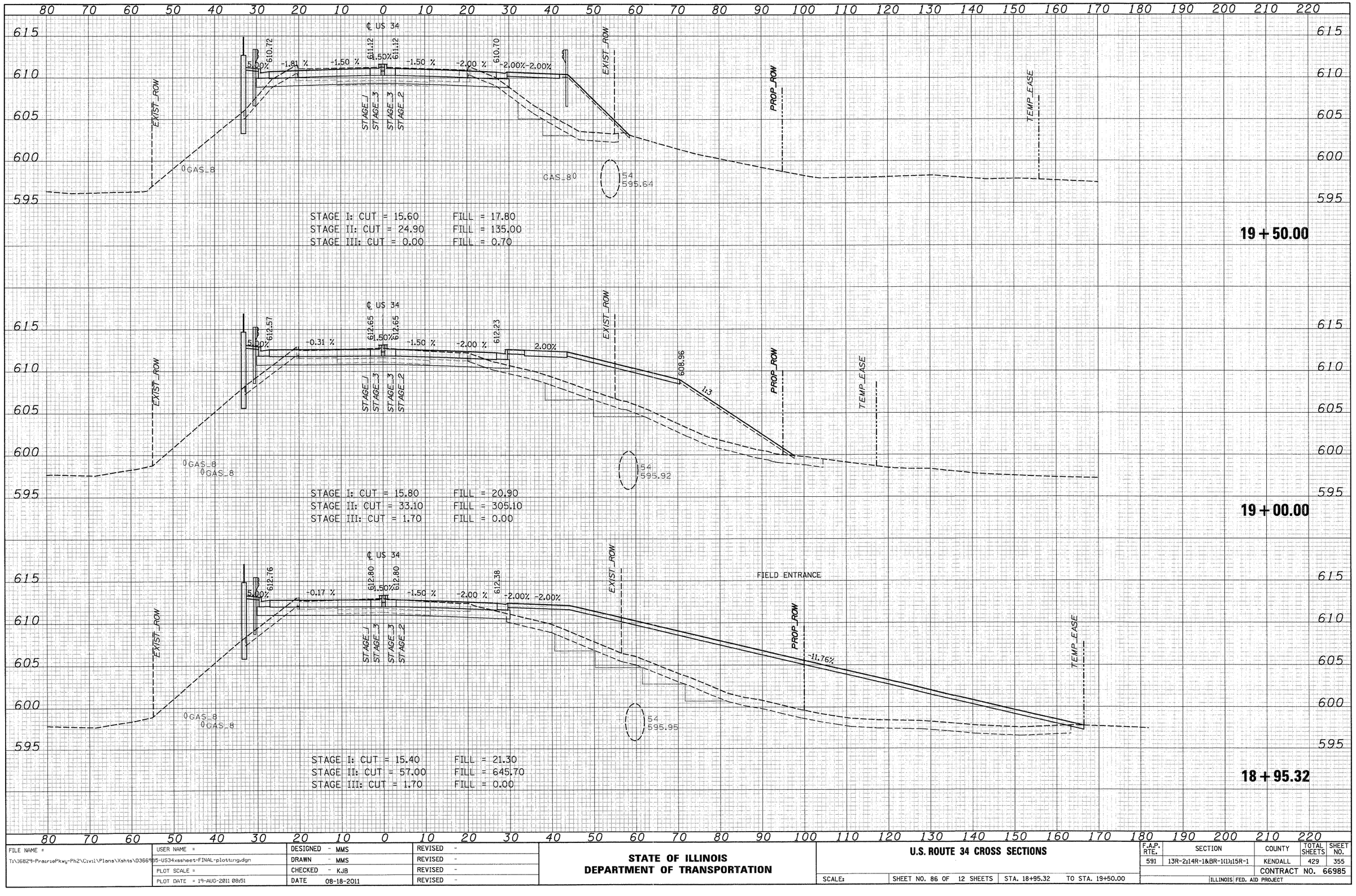
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 11 OF 86 SHEETS | STA. 17+75.00 TO STA. 18+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	354
		CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			



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

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

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	PLOT DATE = 19-AUG-2011 08:51	DATE 08-18-2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 86 OF 12 SHEETS | STA. 18+95.32 TO STA. 19+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1&BR-1(1);15R-1	KENDALL	429	355
		CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			

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

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

21+50.00 | 21+00.00 | 20+50.00 | 20+00.00

EXIST_ROW | PROP_ROW | 0GAS_8

STAGE I: CUT = 38.70 FILL = 93.40
STAGE II: CUT = 37.10 FILL = 290.40
STAGE III: CUT = 0.00 FILL = 0.30

STAGE_1 | STAGE_2 | STAGE_3

606.58 | 607.27 | 608.19 | 609.33

607.00 | 607.69 | 608.61 | 609.75

-2.00 % | -1.50 % | 2.00% | 5.00%

593.10 | 595.25 | 594.05 | 591.64

BRIDGE OMISSION
STA. 19+67.75 TO STA. 21+29.79

℄ US 34

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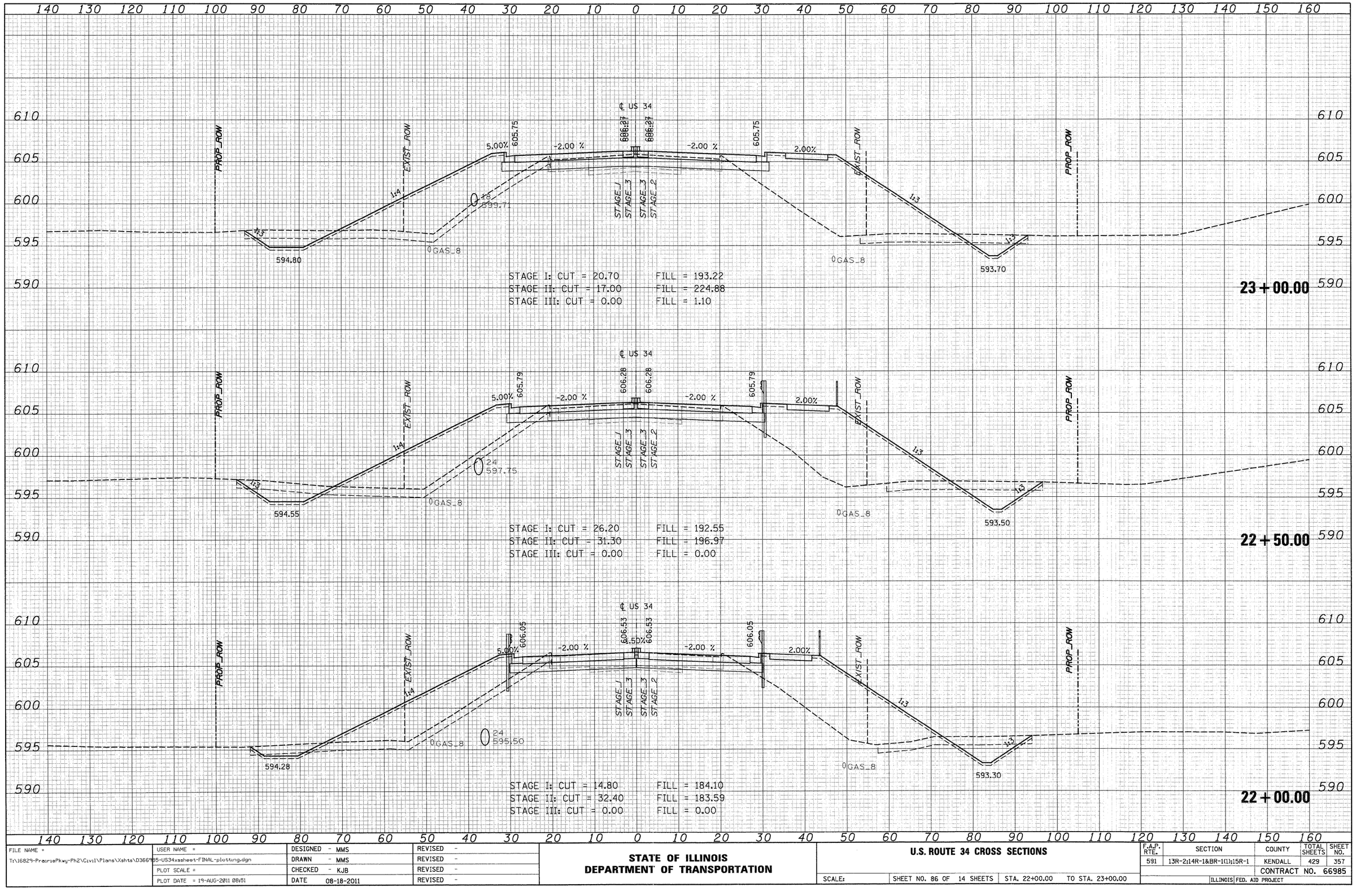
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 13 OF 86 SHEETS | STA. 20+00.00 TO STA. 21+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	356
		CONTRACT NO. 66985		
	ILLINOIS	FED. AID PROJECT		



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

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

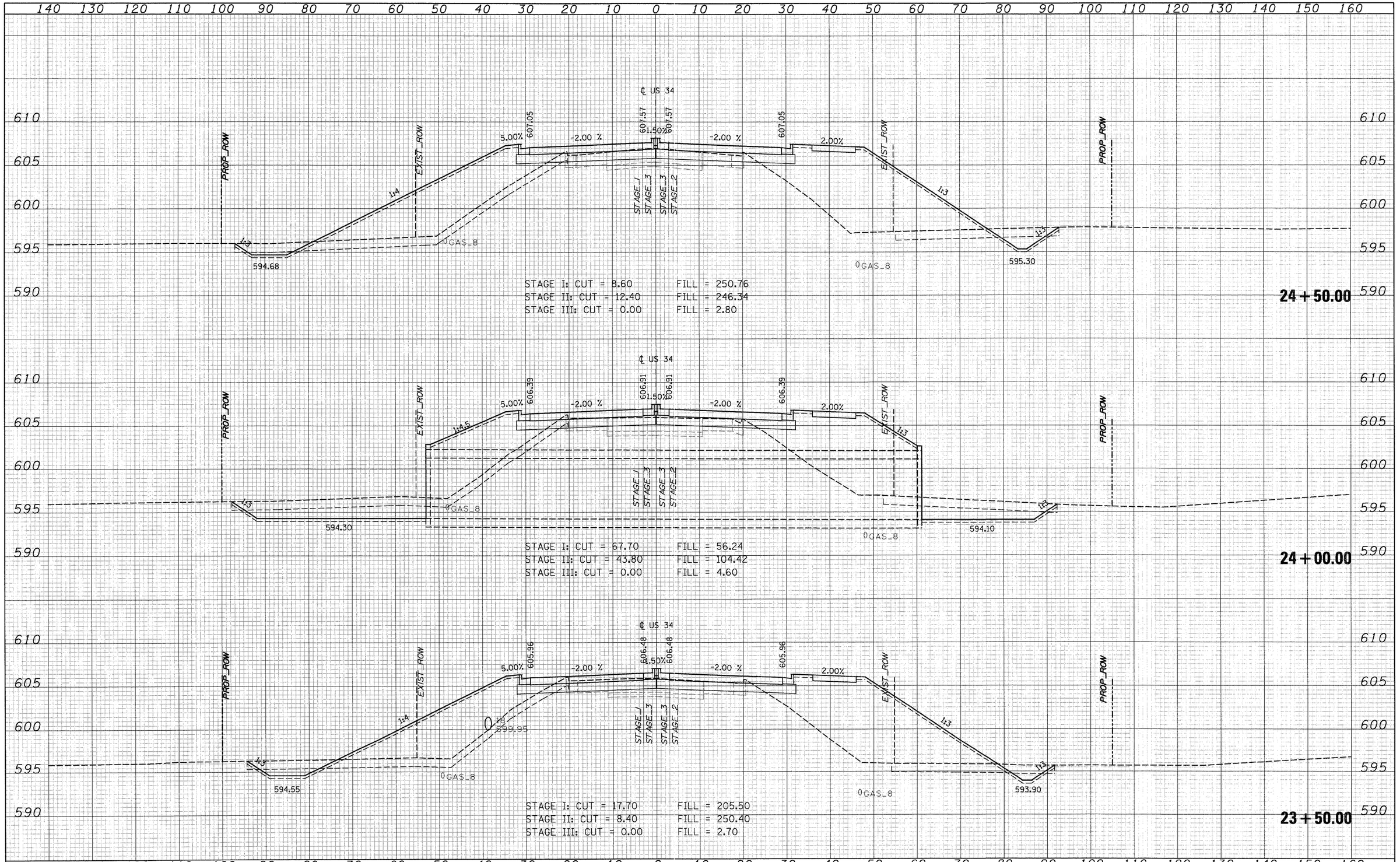
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	PLOT DATE = 19-AUG-2011 08:51	DATE 08-18-2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 86 OF 14 SHEETS | STA. 22+00.00 TO STA. 23+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1&BR-1(1);15R-1	KENDALL	429	357
		CONTRACT NO. 66985		
	ILLINOIS	FED. AID PROJECT		



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

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

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	PLOT SCALE =	CHECKED - KJB	REVISED -
	PLOT DATE = 19-AUG-2011 08:51	DATE 08-18-2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 86 OF 15 SHEETS | STA. 23+50.00 TO STA. 24+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1&BR-1(1);15R-1	KENDALL	429	358
		CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			

FIELD ENTRANCE

EXIST_ROW

-8.58%

609.60

-2.00 %

℄ US 34

610.12

1.50%

610.12

-2.00 %

609.60

2.00%

EXIST_ROW

1:3

PROP_ROW

STAGE_1
STAGE_3
STAGE_3
STAGE_2

0GAS_8

48
595.43

598.20

STAGE I: CUT = 0.00 FILL = 455.12
STAGE II: CUT = 5.60 FILL = 329.58
STAGE III: CUT = 0.00 FILL = 9.30

25 + 71.48

PROP_ROW

EXIST_ROW

5.00%

609.05

-2.00 %

℄ US 34

609.57

1.50%

609.57

-2.00 %

609.05

2.00%

EXIST_ROW

1:3

PROP_ROW

1:4

STAGE_1
STAGE_3
STAGE_3
STAGE_2

0GAS_8

48
595.28

597.69

STAGE I: CUT = 0.20 FILL = 149.82
STAGE II: CUT = 2.60 FILL = 327.18
STAGE III: CUT = 0.00 FILL = 8.00

25 + 50.00

PROP_ROW

EXIST_ROW

5.00%

607.94

-2.00 %

℄ US 34

608.46

1.50%

608.46

-2.00 %

607.94

2.00%

EXIST_ROW

1:3

PROP_ROW

1:4

1:3

STAGE_1
STAGE_3
STAGE_3
STAGE_2

0GAS_8

48
594.99

595.06

596.49

STAGE I: CUT = 4.80 FILL = 274.74
STAGE II: CUT = 6.20 FILL = 273.56
STAGE III: CUT = 0.00 FILL = 4.90

25 + 00.00

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

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

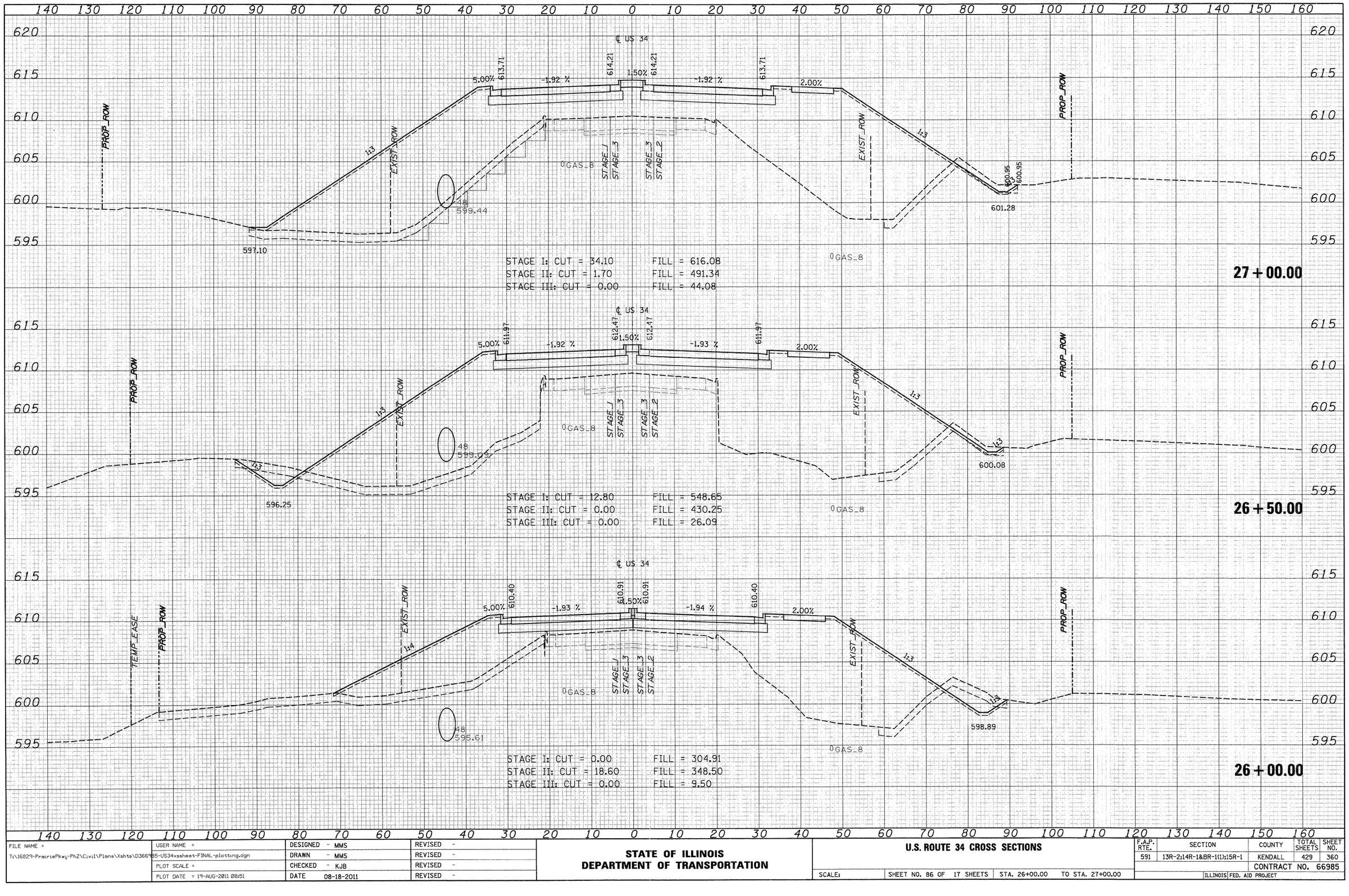
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 86 OF 16 SHEETS | STA. 25+00.00 | TO STA. 25+71.48

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1&BR-1(1);15R-1	KENDALL	429	359
		CONTRACT NO. 66985		
	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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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

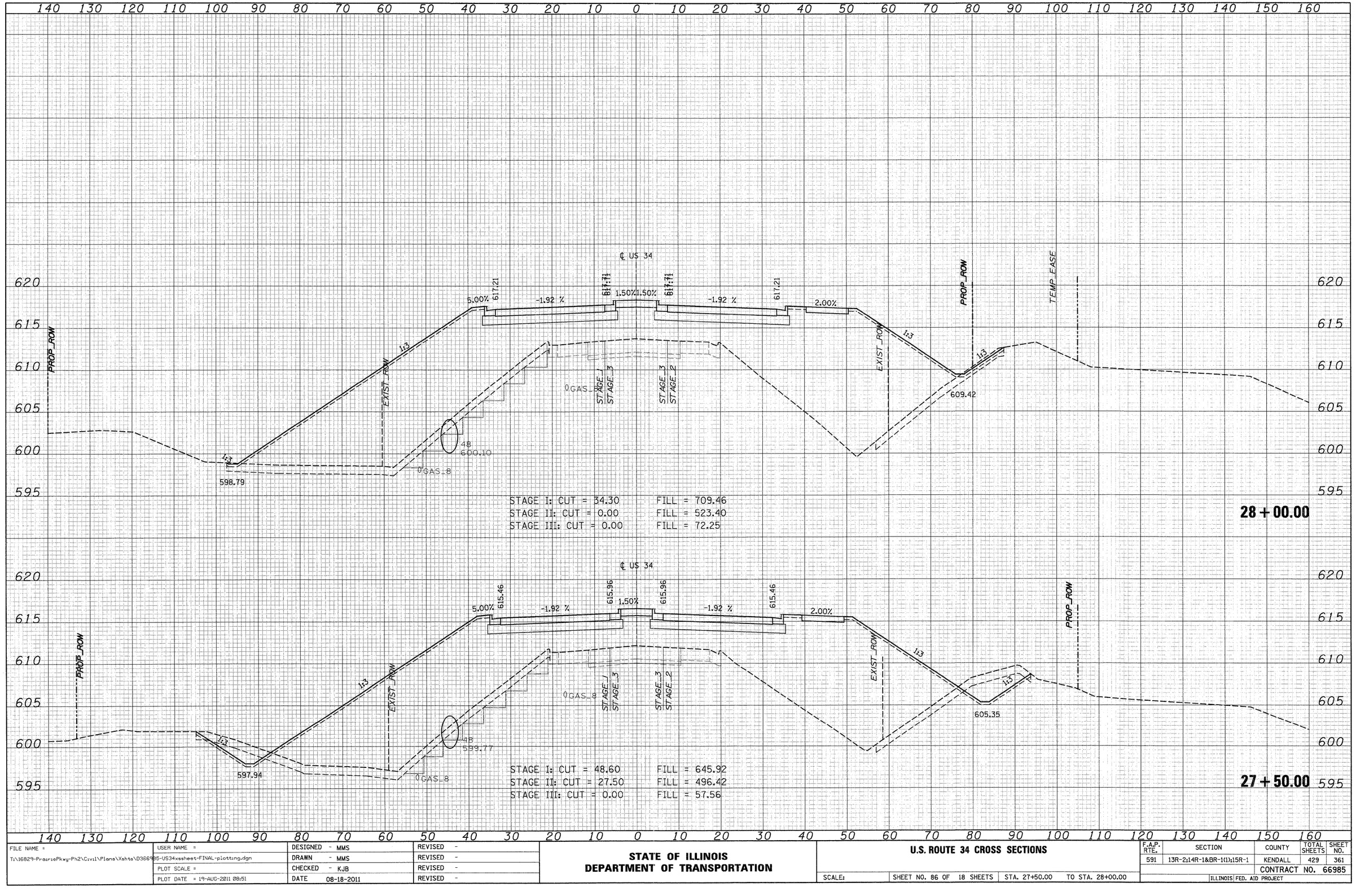
U.S. ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 86 OF 17 SHEETS | STA. 26+00.00 TO STA. 27+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1&BR-1(1);15R-1	KENDALL	429	360
		CONTRACT NO. 66985		
	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

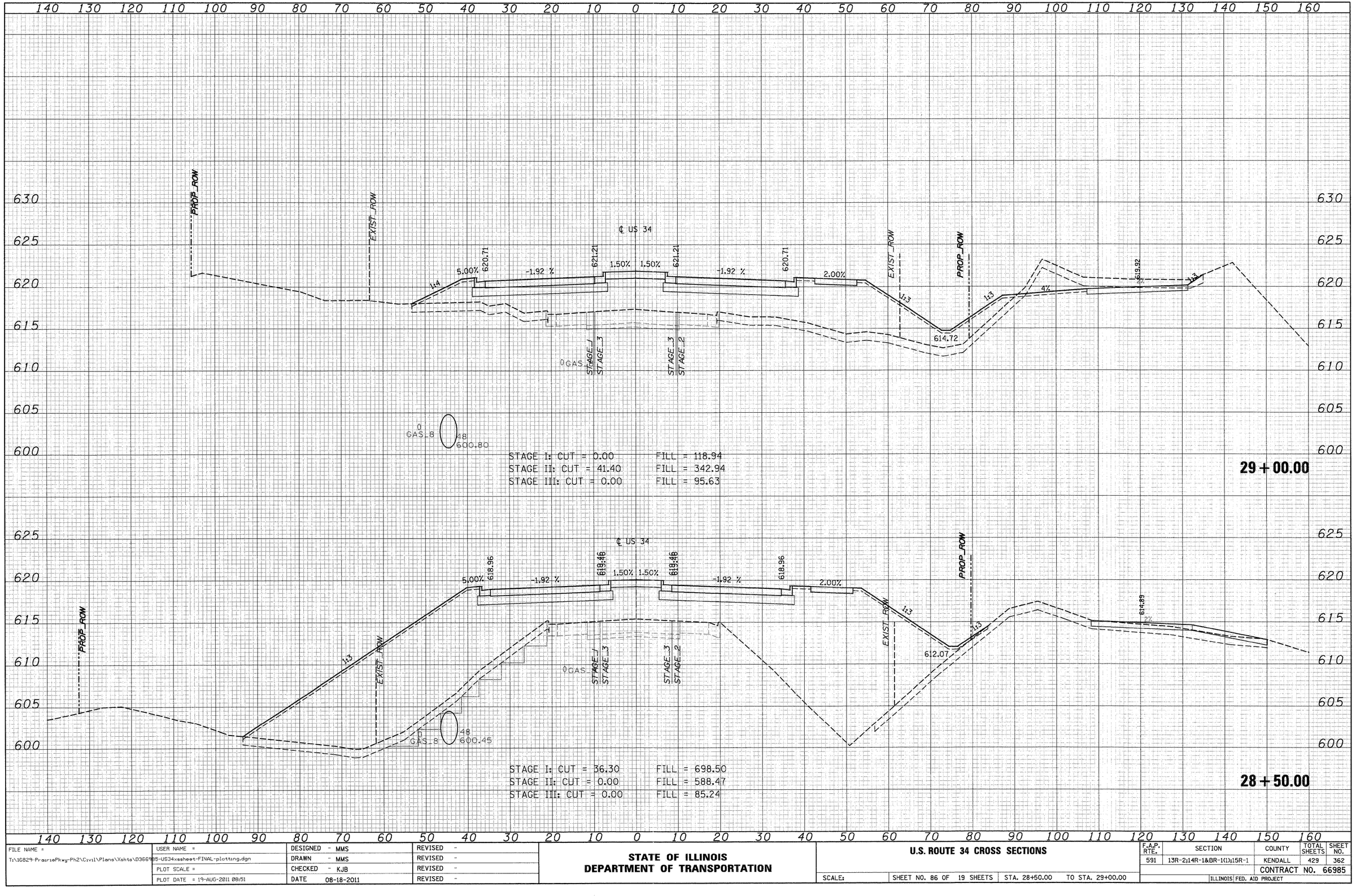
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 86 OF 18 SHEETS | STA. 27+50.00 TO STA. 28+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1&BR-1(1);15R-1	KENDALL	429	361
		CONTRACT NO. 66985		
		ILLINOIS FED. AID PROJECT		



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PLOT DATE = 19-AUG-2011 08:51		DATE 08-18-2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 86 OF 19 SHEETS | STA. 28+50.00 TO STA. 29+00.00

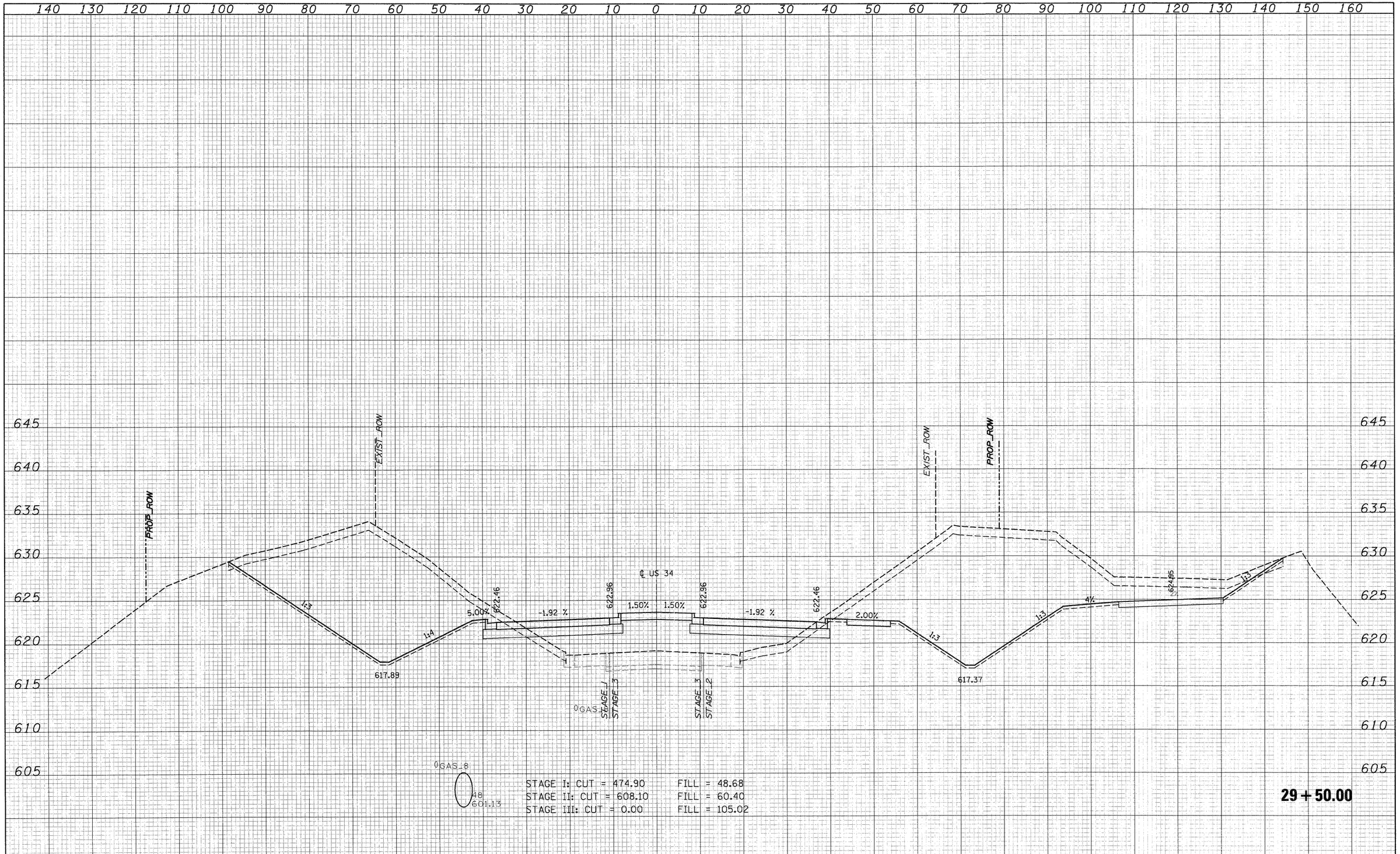
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1&BR-1(1);15R-1	KENDALL	429	362
		CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			

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

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		



STAGE I: CUT = 474.90 FILL = 48.68
STAGE II: CUT = 608.10 FILL = 60.40
STAGE III: CUT = 0.00 FILL = 105.02

29 + 50.00

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

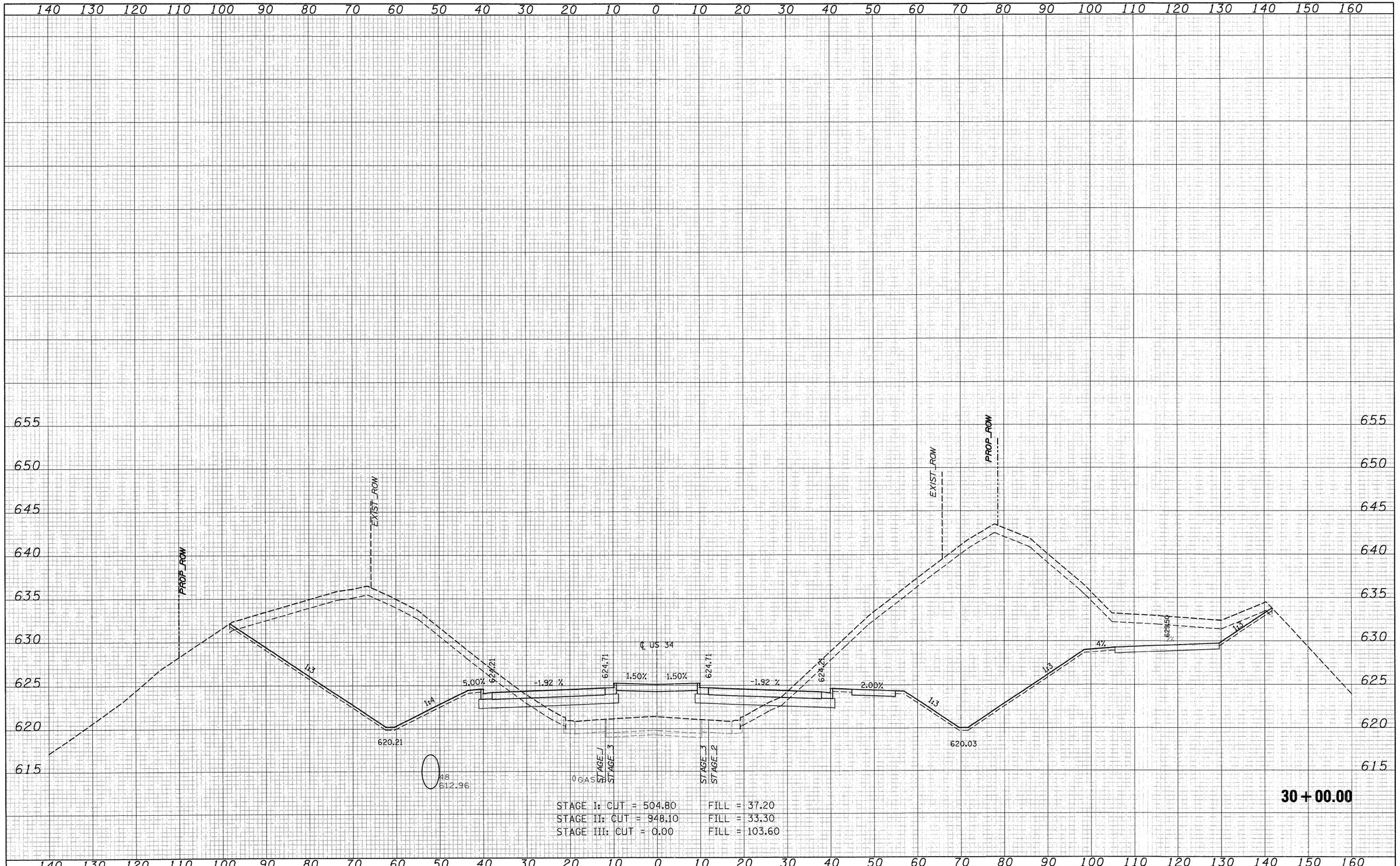
U.S. ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 86 OF 20 SHEETS | STA. 29+50.00 | TO STA. 29+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1&BR-1(1);15R-1	KENDALL	429	363
		CONTRACT NO. 66985		
		ILLINOIS FED. AID PROJECT		

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

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



STAGE I: CUT = 504.80 FILL = 37.20
STAGE II: CUT = 948.10 FILL = 33.30
STAGE III: CUT = 0.00 FILL = 103.60

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

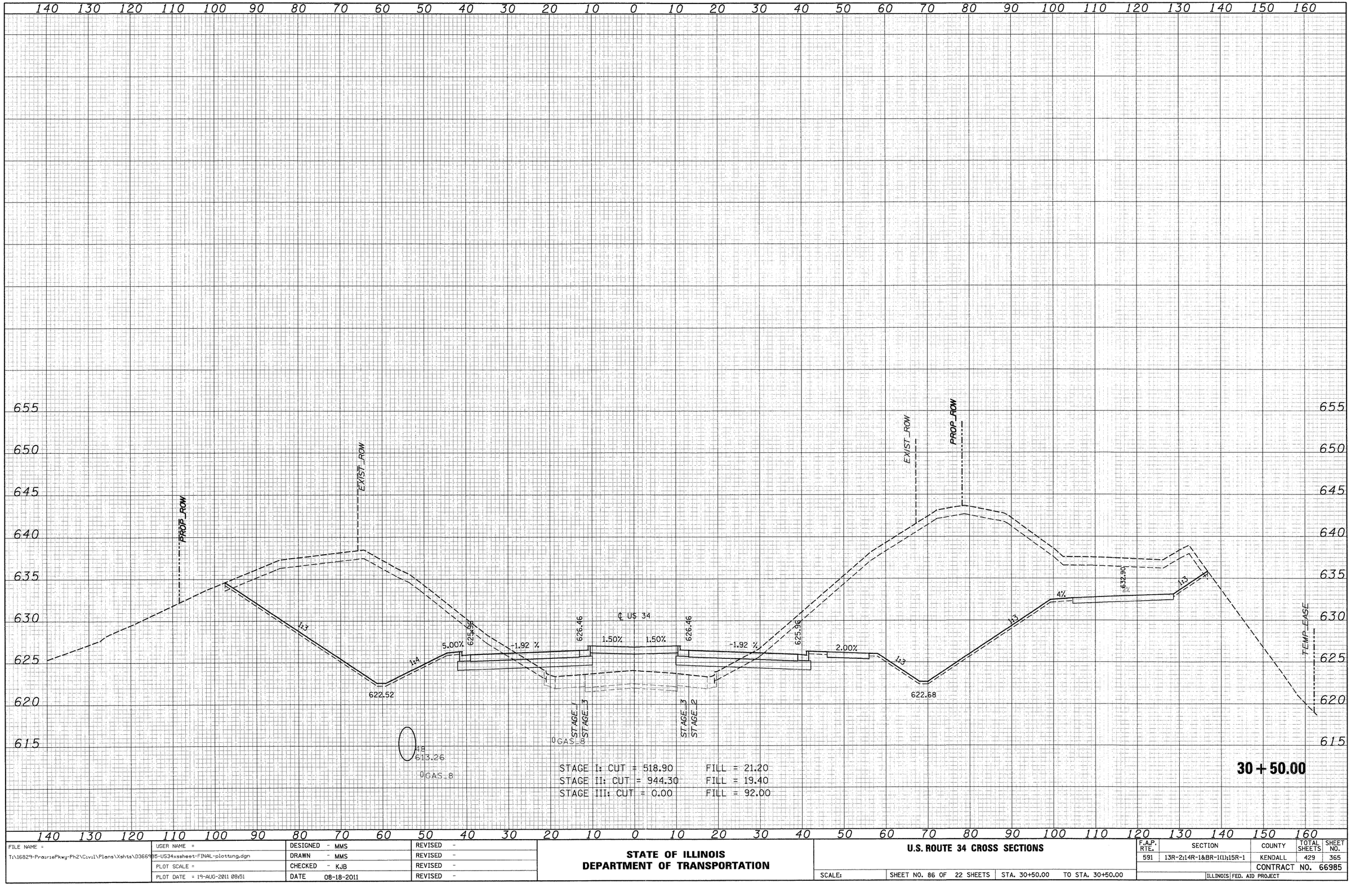
U.S. ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 86 OF 21 SHEETS | STA. 30+00.00 | TO STA. 30+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1&BR-1(1);15R-1	KENDALL	429	364
		CONTRACT NO. 66985		
	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		



STAGE I: CUT = 518.90 FILL = 21.20
STAGE II: CUT = 944.30 FILL = 19.40
STAGE III: CUT = 0.00 FILL = 92.00

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

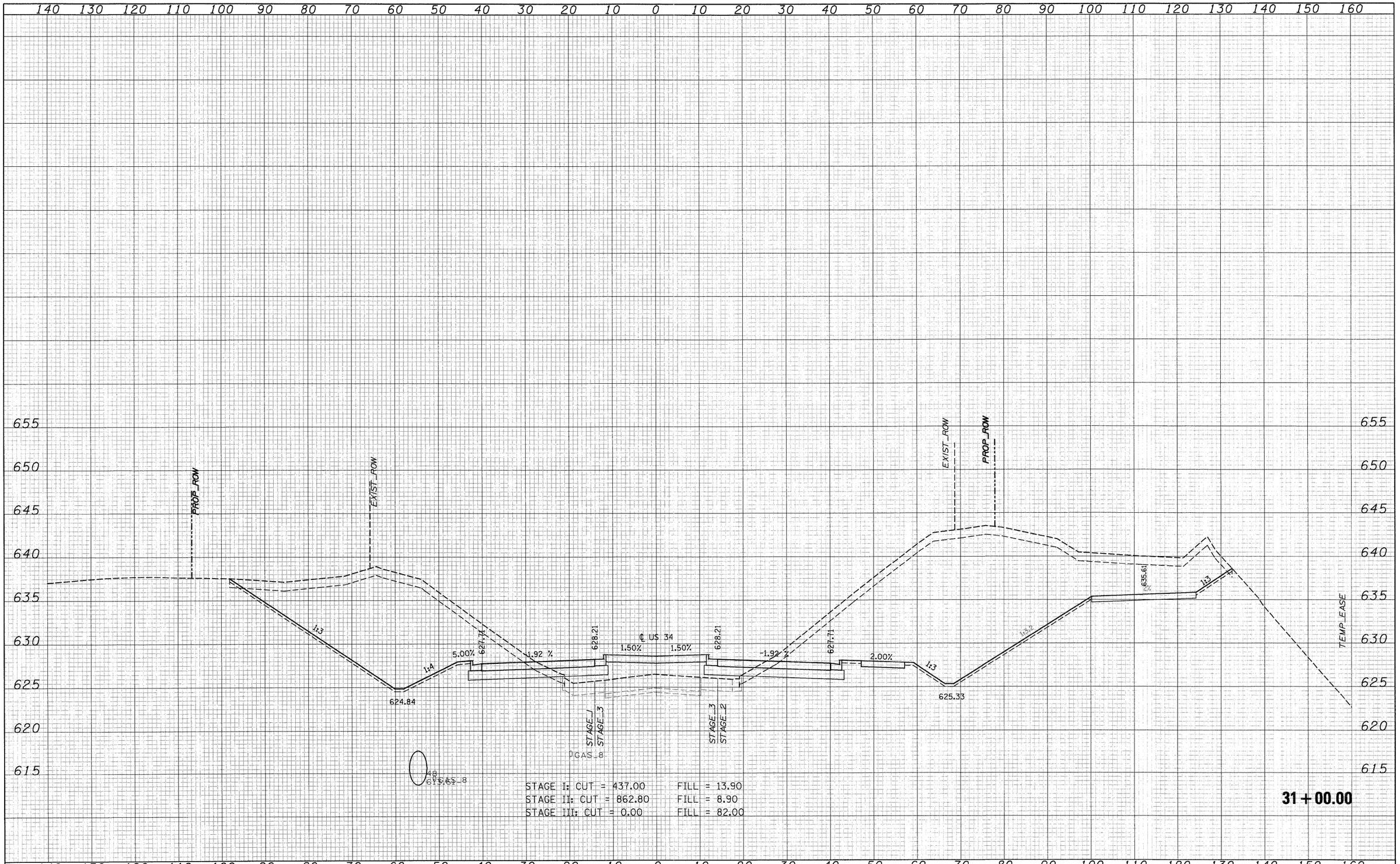
U.S. ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 86 OF 22 SHEETS | STA. 30+50.00 TO STA. 30+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1&BR-1(1);15R-1	KENDALL	429	365
		CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			

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

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



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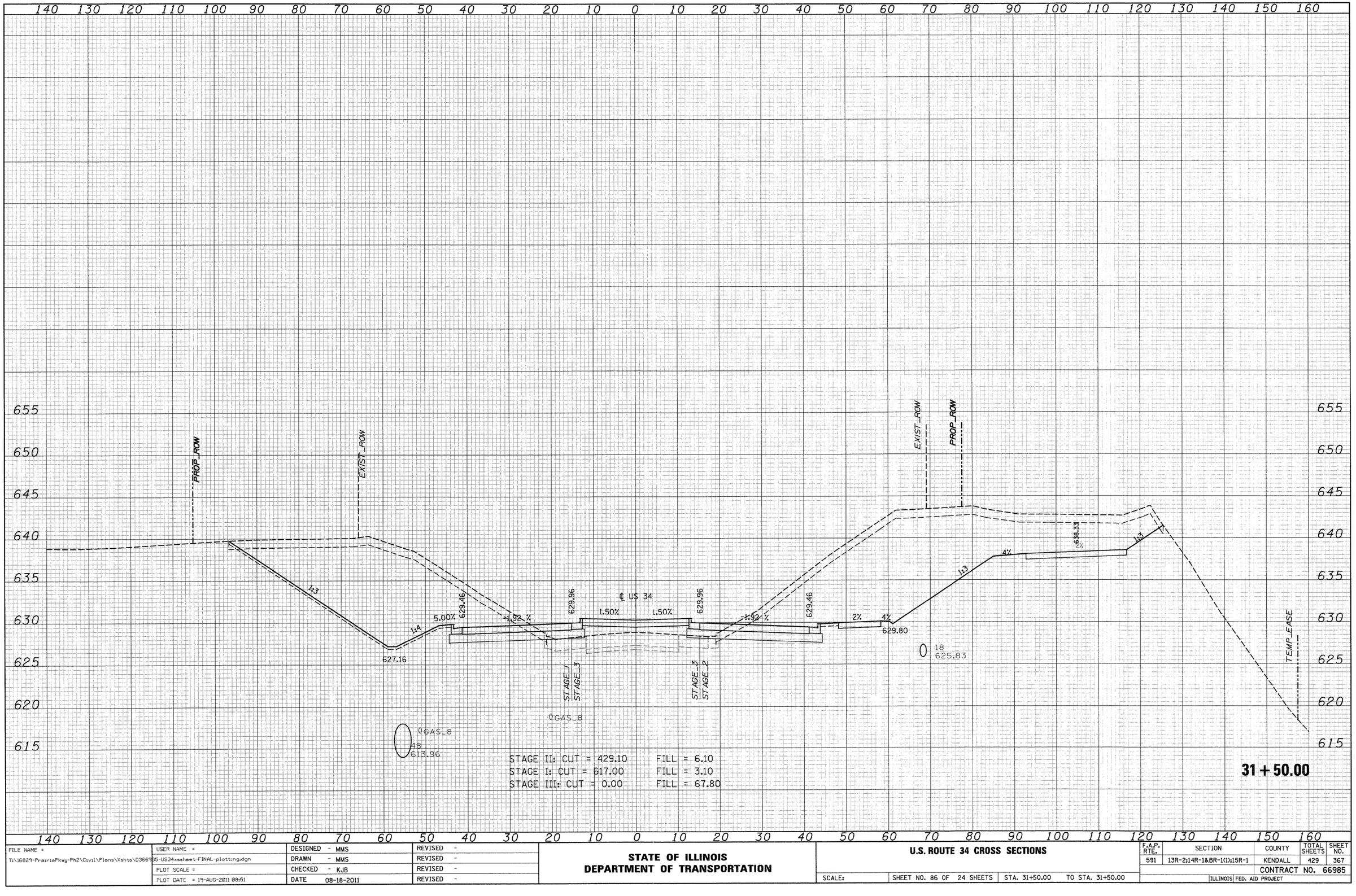
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 86 OF 23 SHEETS | STA. 31+00.00 | TO STA. 31+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1&BR-1(1);15R-1	KENDALL	429	366
		CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			

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



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

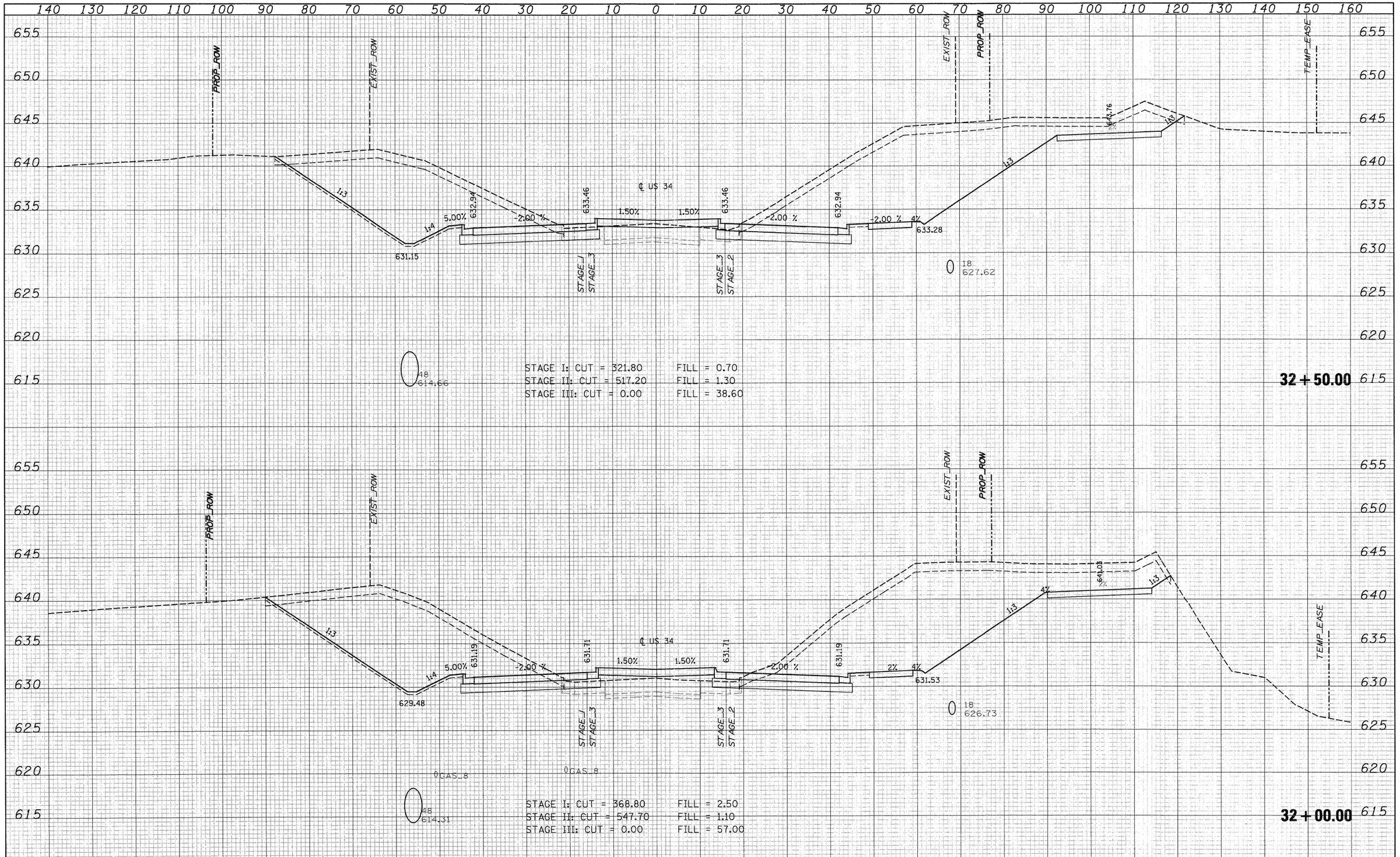
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 86 OF 24 SHEETS | STA. 31+50.00 | TO STA. 31+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1&BR-1(1);15R-1	KENDALL	429	367
		CONTRACT NO. 66985		
	ILLINOIS	FED. AID PROJECT		



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

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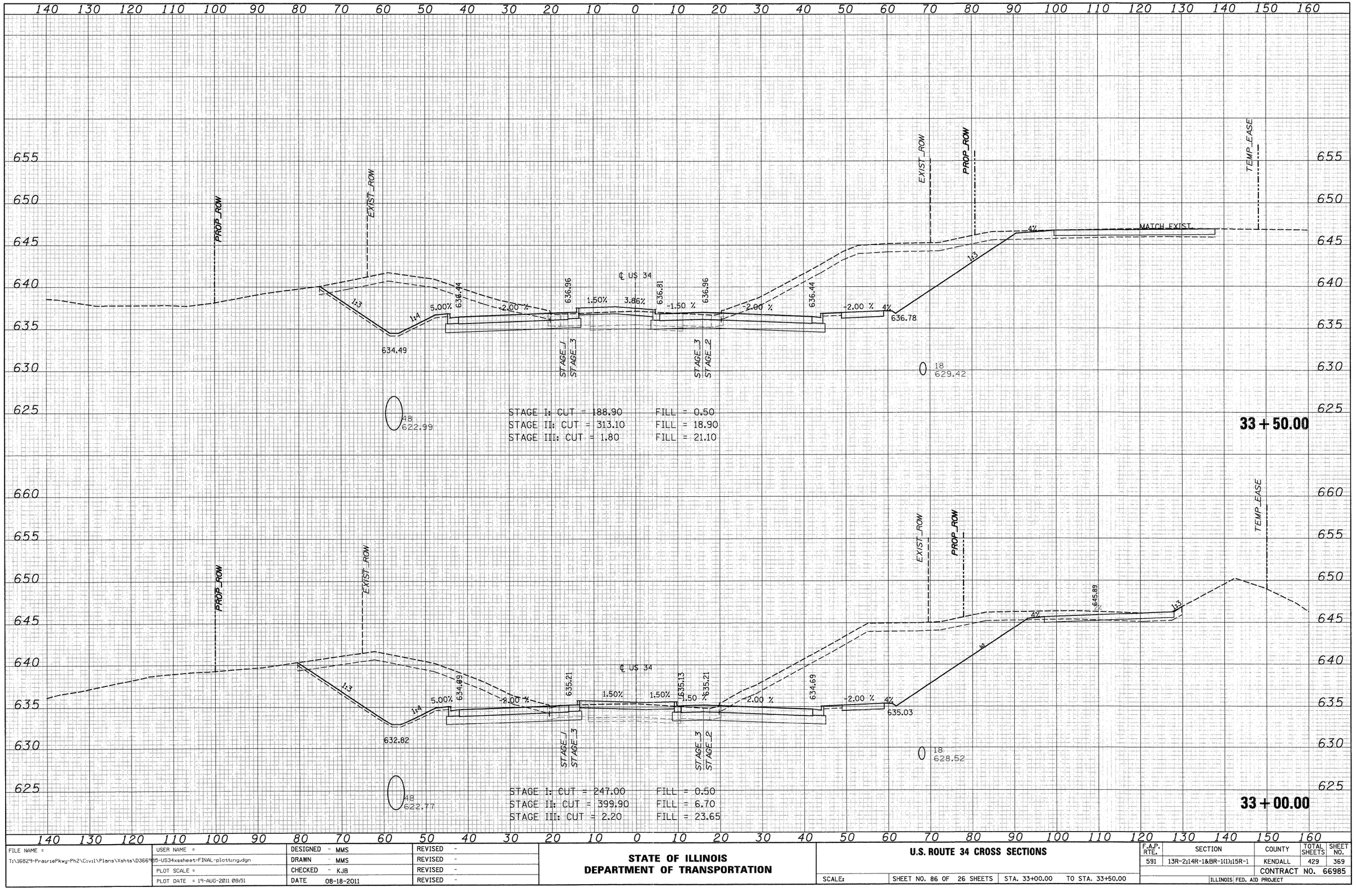
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	PLOT DATE = 19-AUG-2011 08:51	DATE 08-18-2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 86 OF 25 SHEETS | STA. 32+00.00 TO STA. 32+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1&BR-1(1);15R-1	KENDALL	429	368
		CONTRACT NO. 66985		
	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

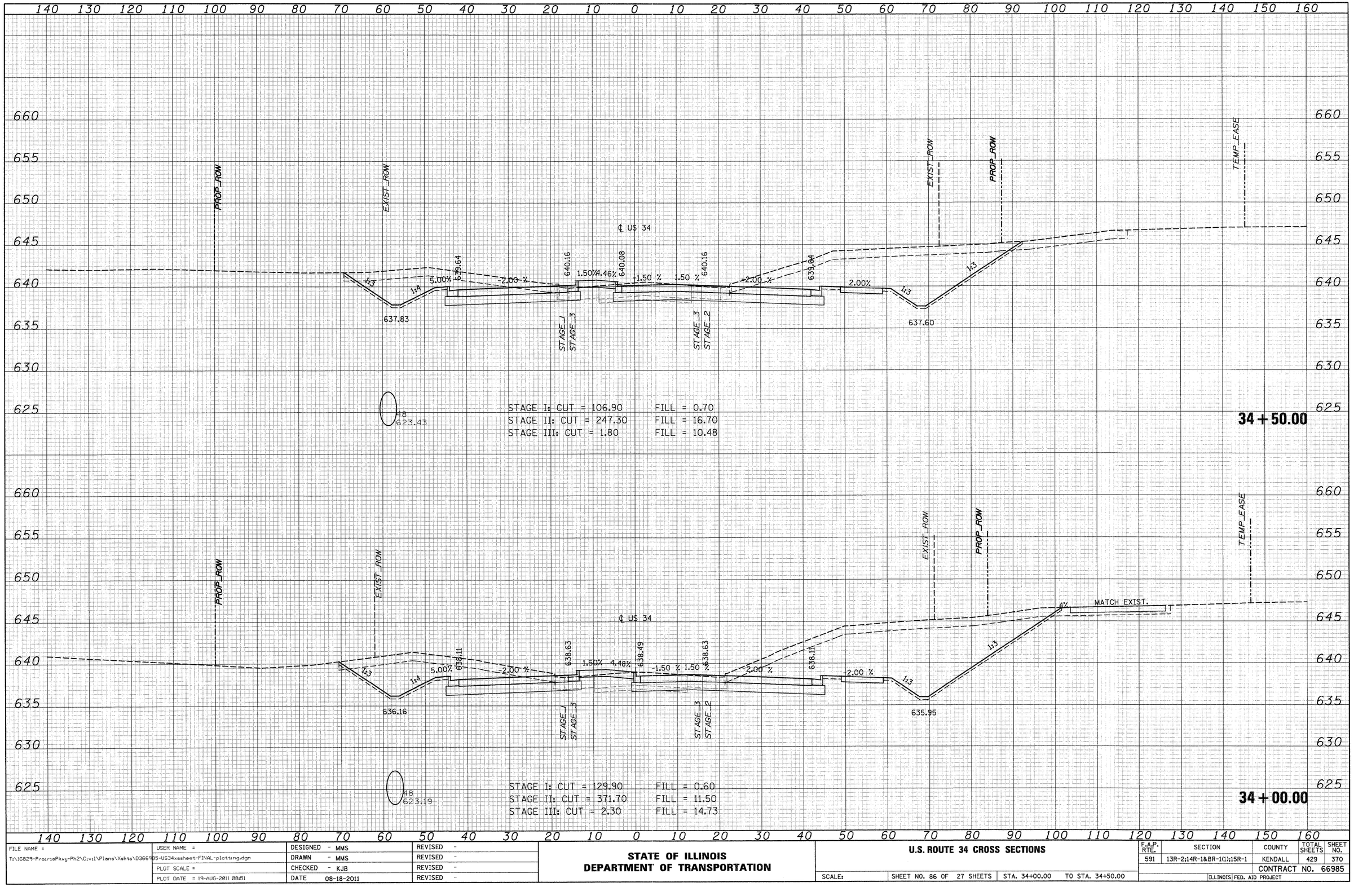
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 86 OF 26 SHEETS | STA. 33+00.00 TO STA. 33+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1&BR-1(1);15R-1	KENDALL	429	369
		CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			



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

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

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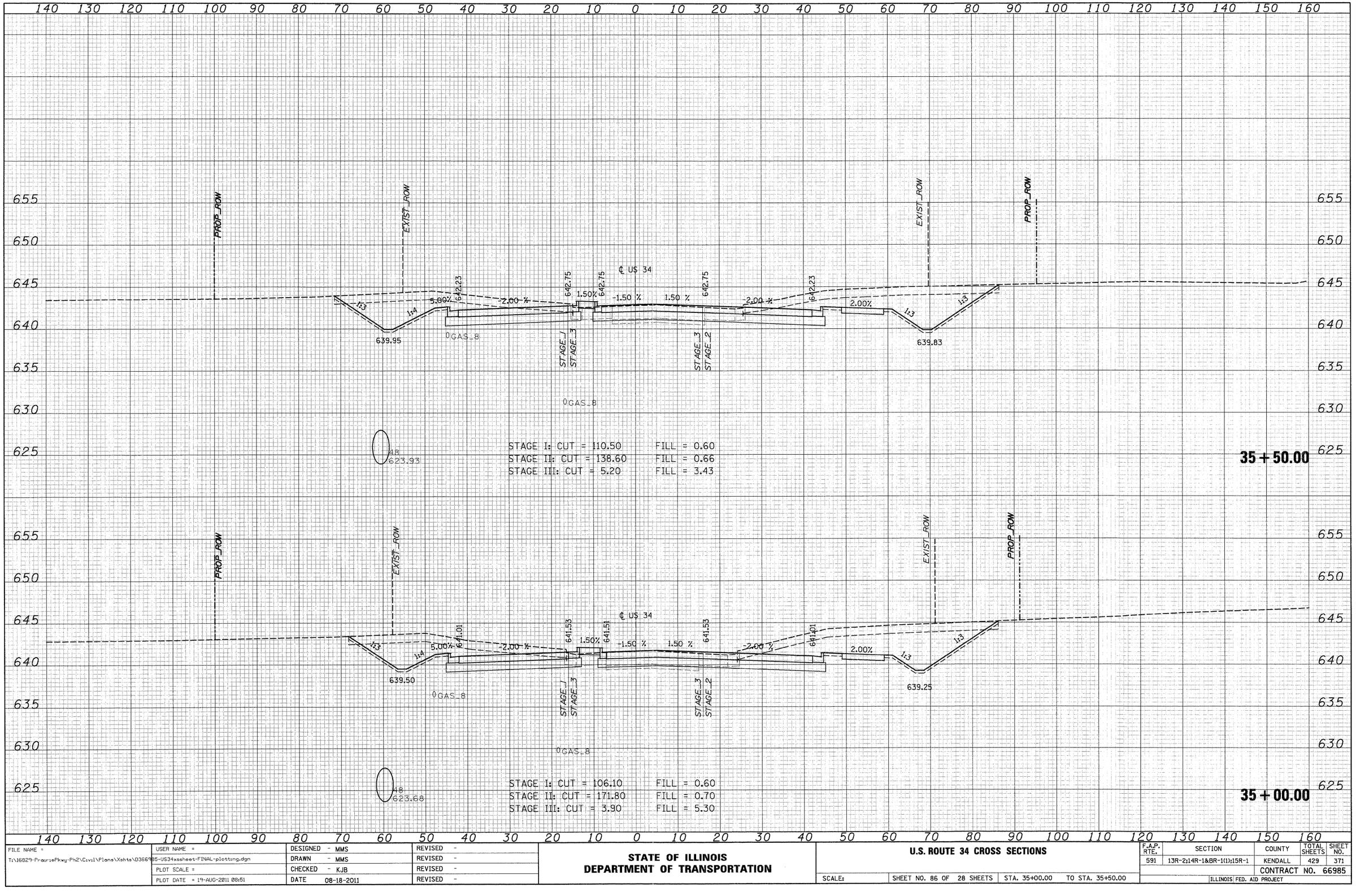
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 86 OF 27 SHEETS | STA. 34+00.00 TO STA. 34+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1&BR-1(1);15R-1	KENDALL	429	370
		CONTRACT NO. 66985		
	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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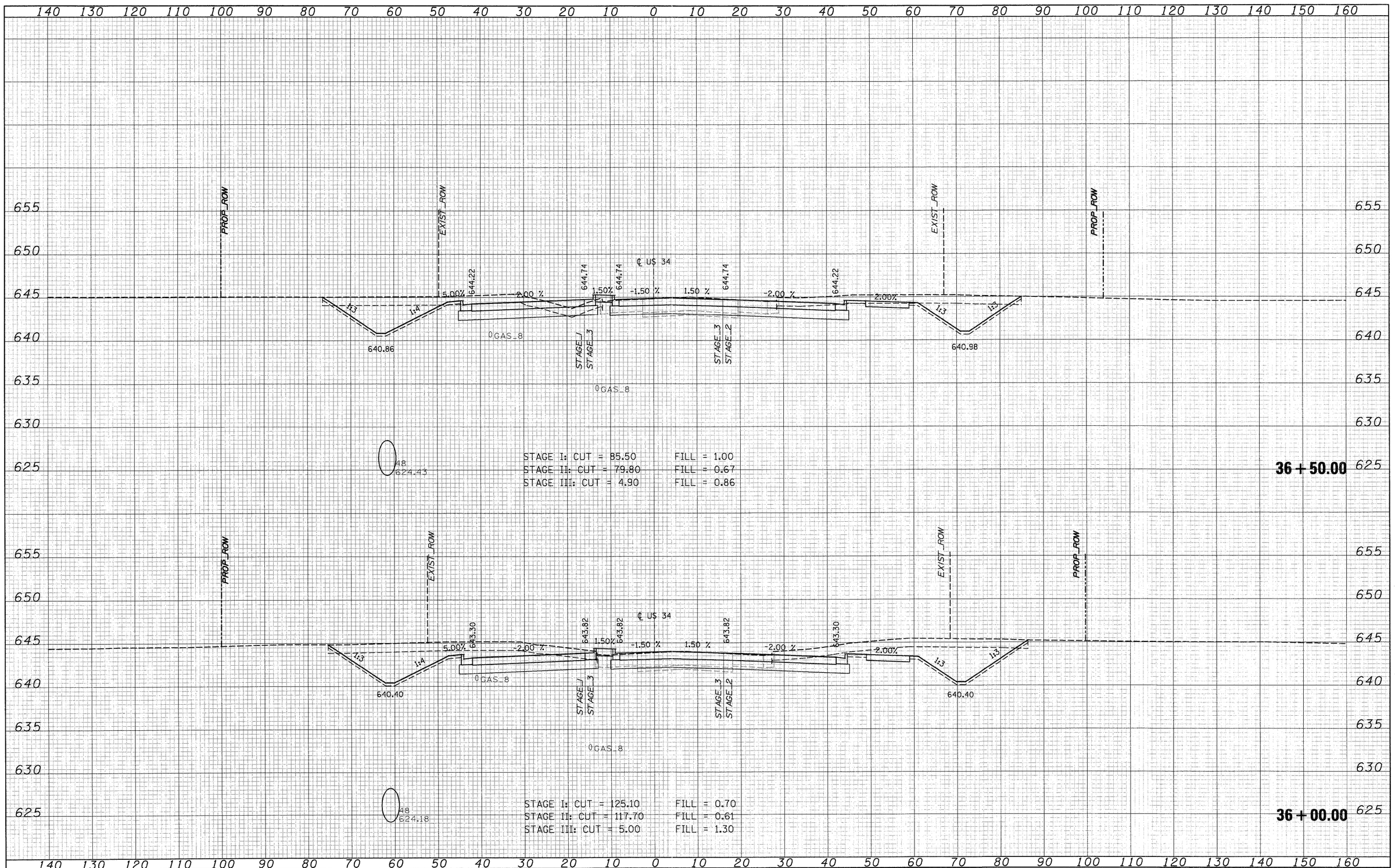
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 86 OF 28 SHEETS | STA. 35+00.00 TO STA. 35+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1&BR-1(1);15R-1	KENDALL	429	371
		CONTRACT NO. 66985		
	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		

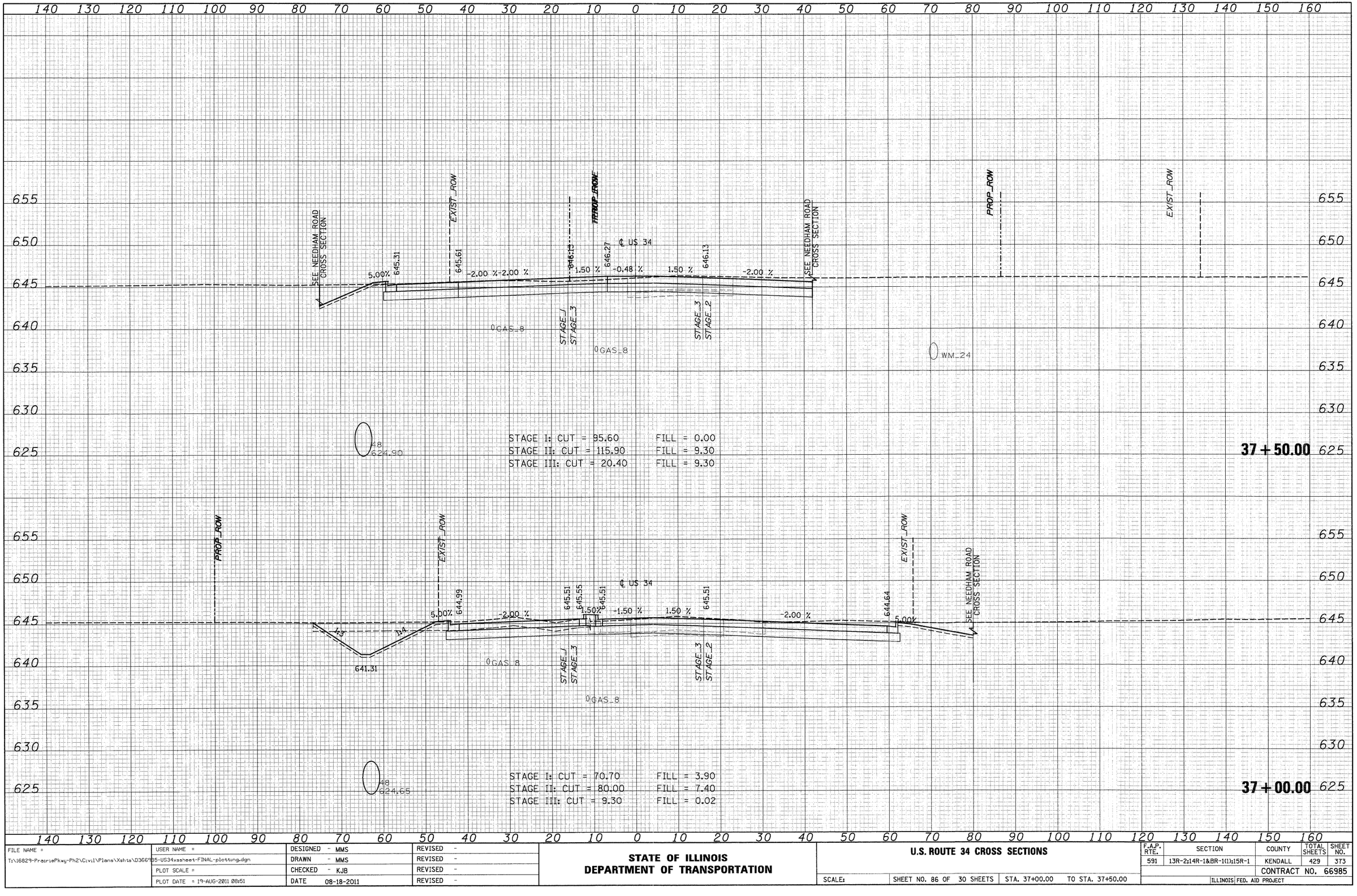
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 86 OF 29 SHEETS | STA. 36+00.00 TO STA. 36+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1&BR-1(1);15R-1	KENDALL	429	372
		CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			



FILE NAME = T:\16829-PrairiePkwy-Ph2\C:\v1\Plans\Xshts\D3669B5-US34xssheet-FINAL-plotting.dgn	USER NAME =	DESIGNED - MMS	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 34 CROSS SECTIONS

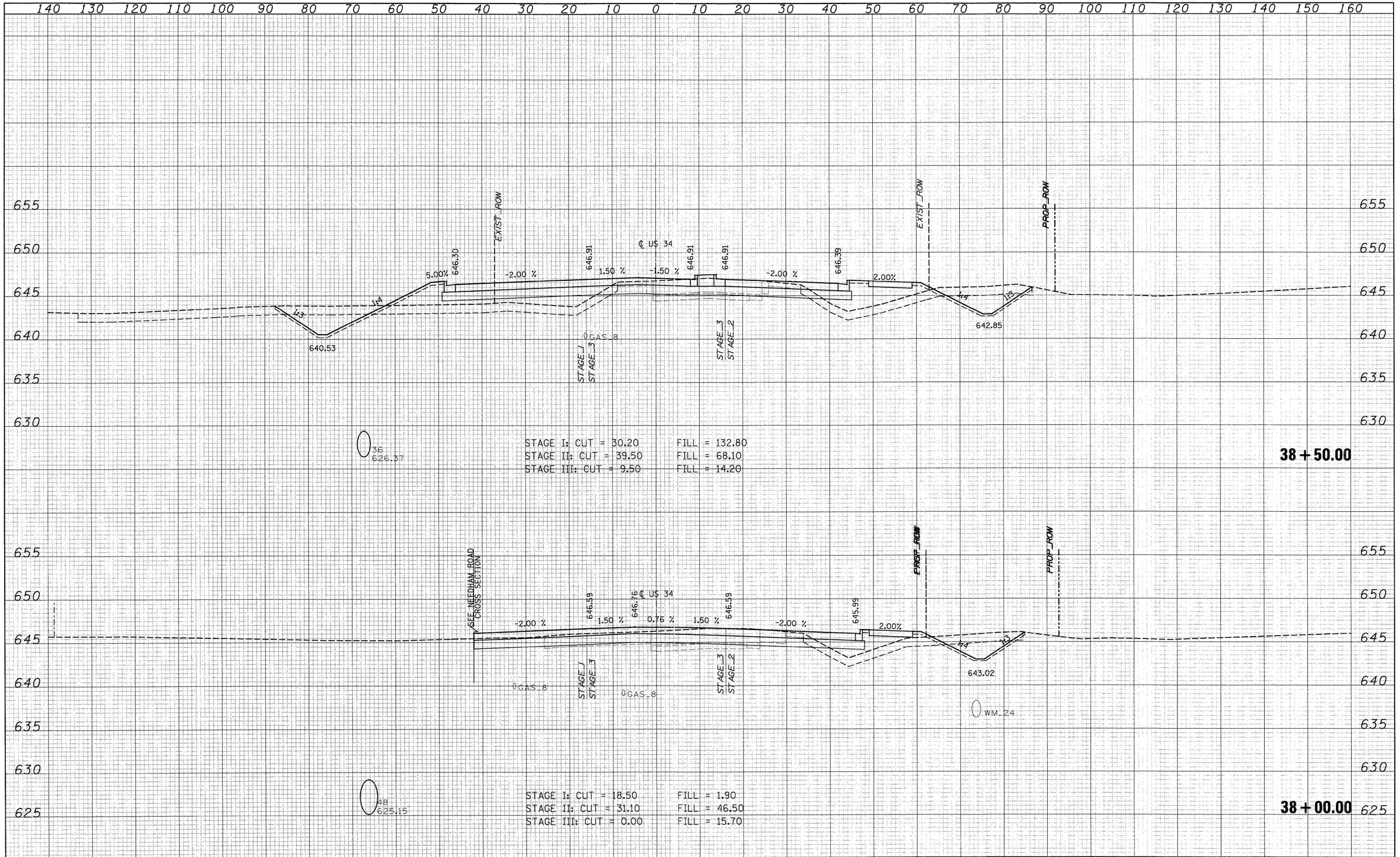
SCALE: | SHEET NO. 86 OF 30 SHEETS | STA. 37+00.00 TO STA. 37+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1&BR-1(1);15R-1	KENDALL	429	373
		CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			

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

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

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



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

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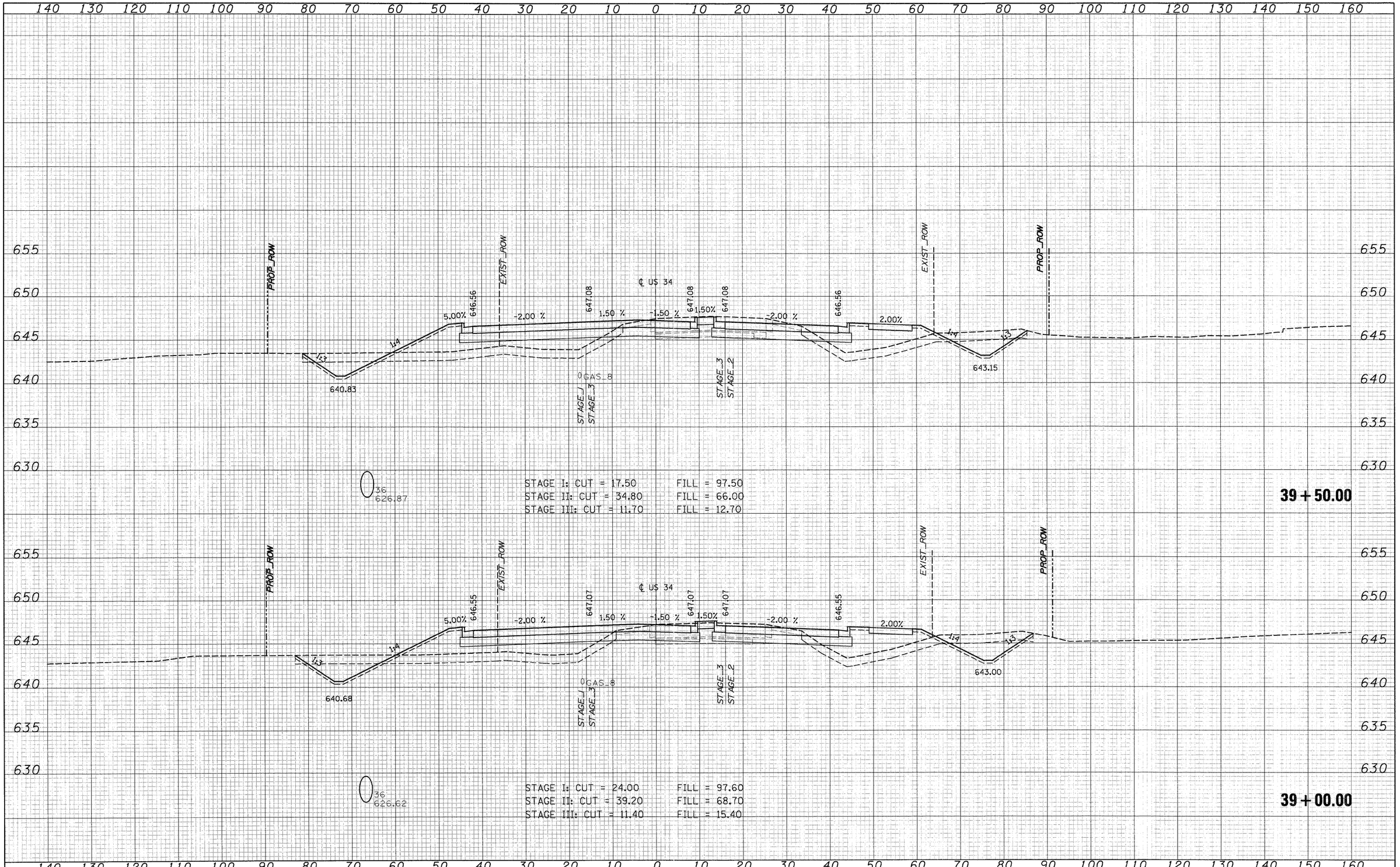
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 86 OF 31 SHEETS | STA. 38+00.00 TO STA. 38+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1&BR-1(1);15R-1	KENDALL	429	374
		CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			

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



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

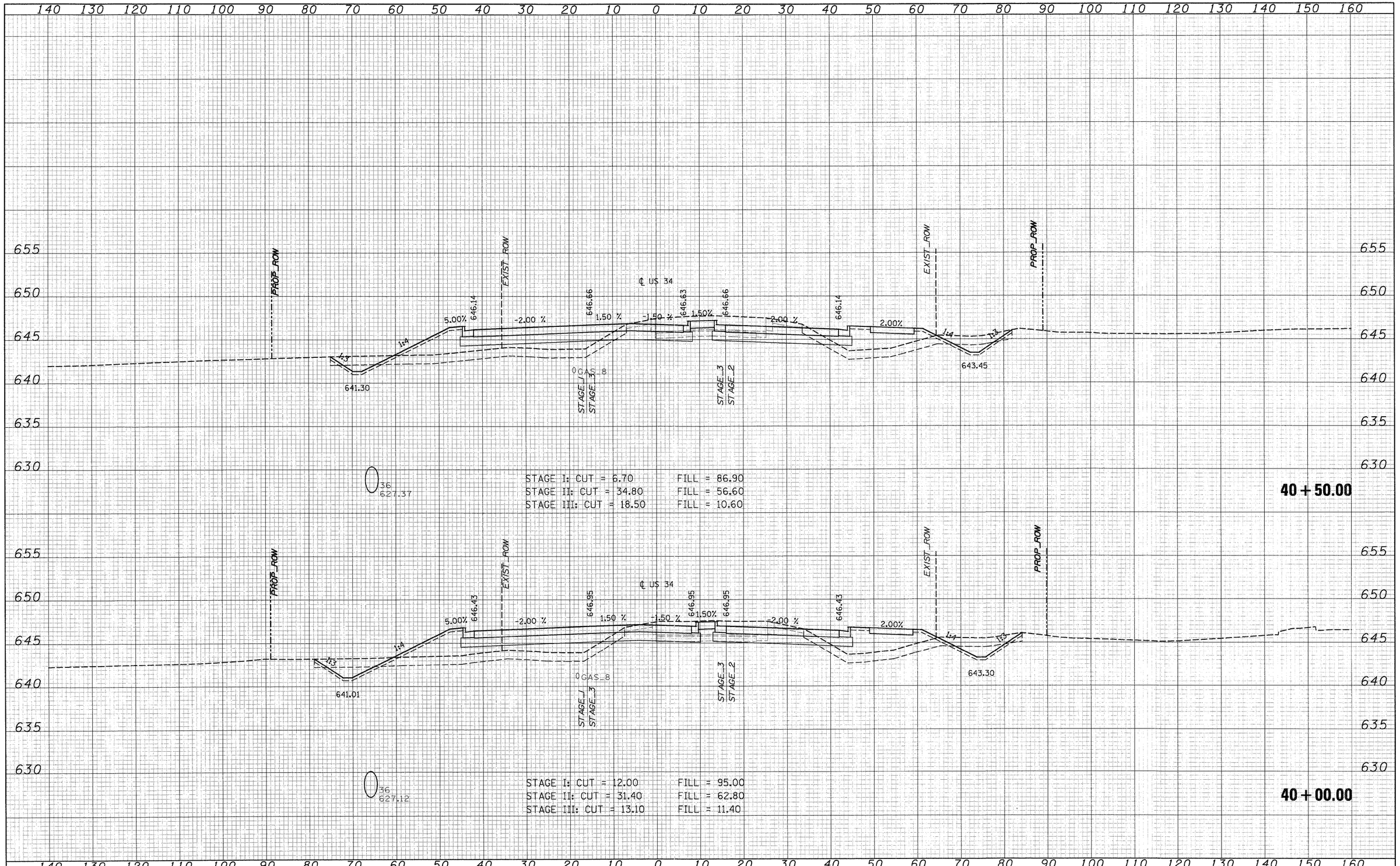
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	PLOT DATE = 19-AUG-2011 08:51	DATE 08-18-2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 86 OF 32 SHEETS | STA. 39+00.00 TO STA. 39+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1&BR-1(1);15R-1	KENDALL	429	375
		CONTRACT NO. 66985		
	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

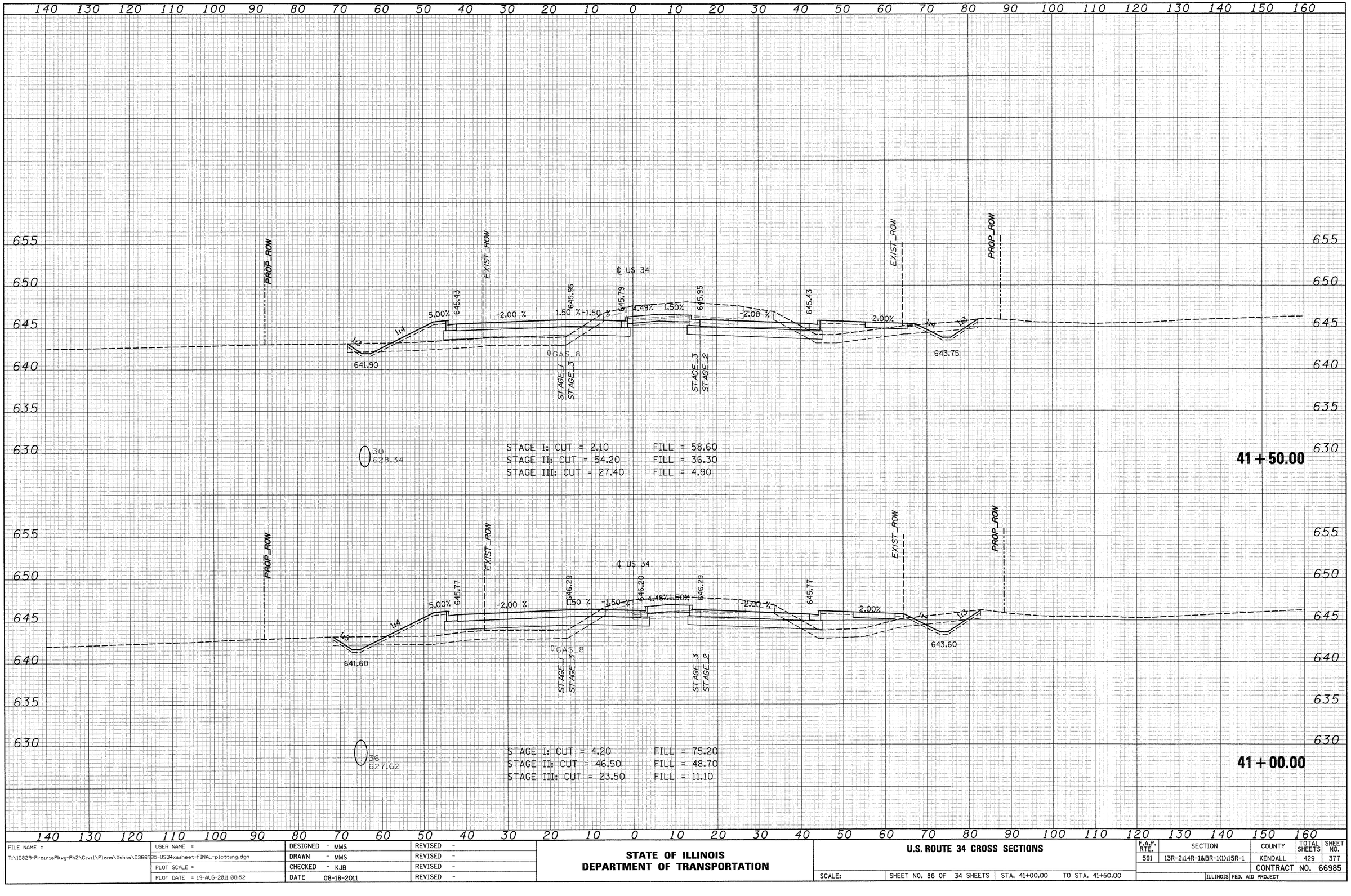
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	PLOT DATE = 19-AUG-2011 08:51	DATE 08-18-2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 86 OF 33 SHEETS | STA. 40+00.00 TO STA. 40+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1&BR-1(1);15R-1	KENDALL	429	376
		CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			



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

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

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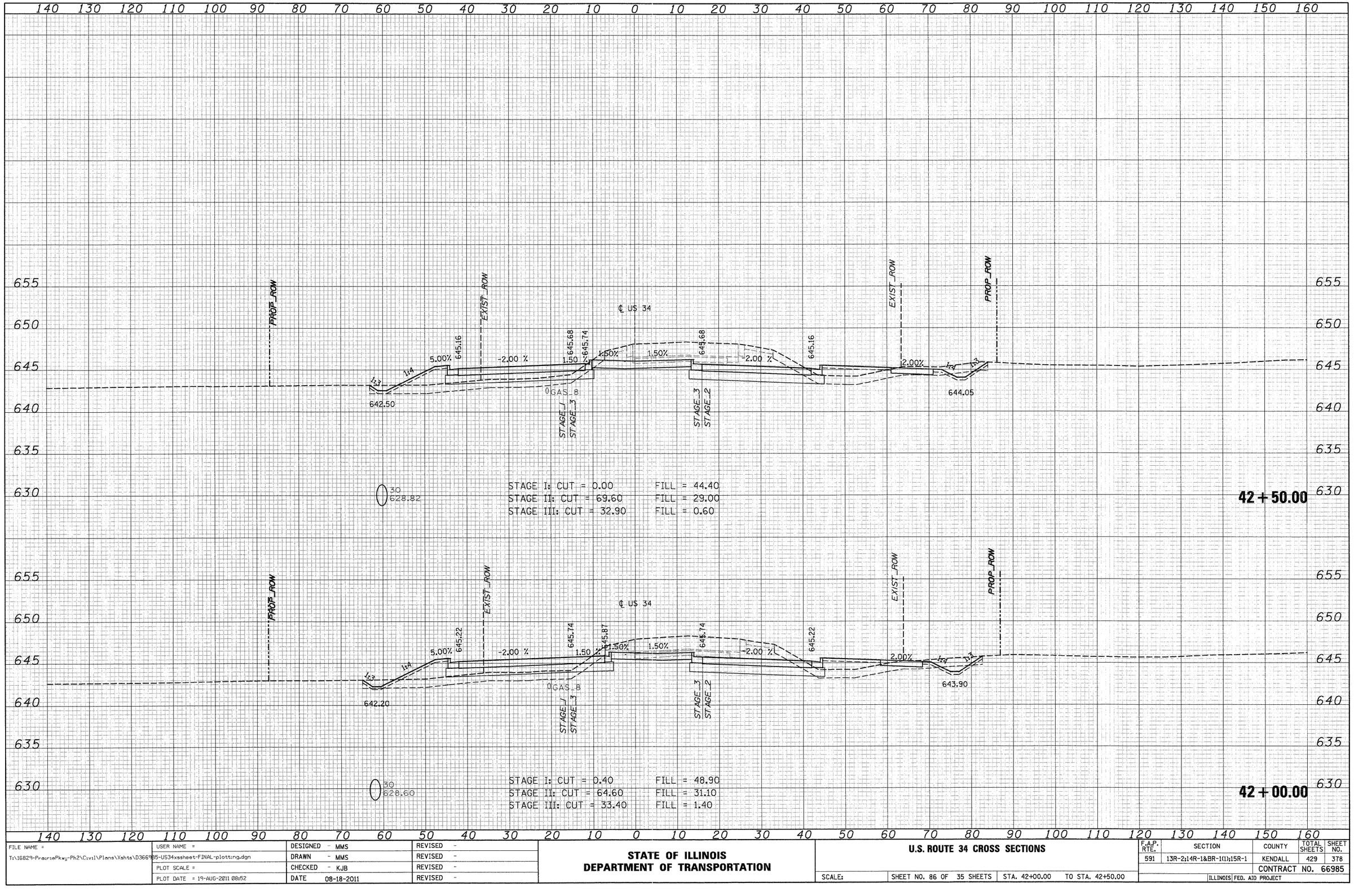
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 86 OF 34 SHEETS | STA. 41+00.00 TO STA. 41+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1&BR-1(1);15R-1	KENDALL	429	377
		CONTRACT NO. 66985		
	ILLINOIS	FED. AID PROJECT		

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



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

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

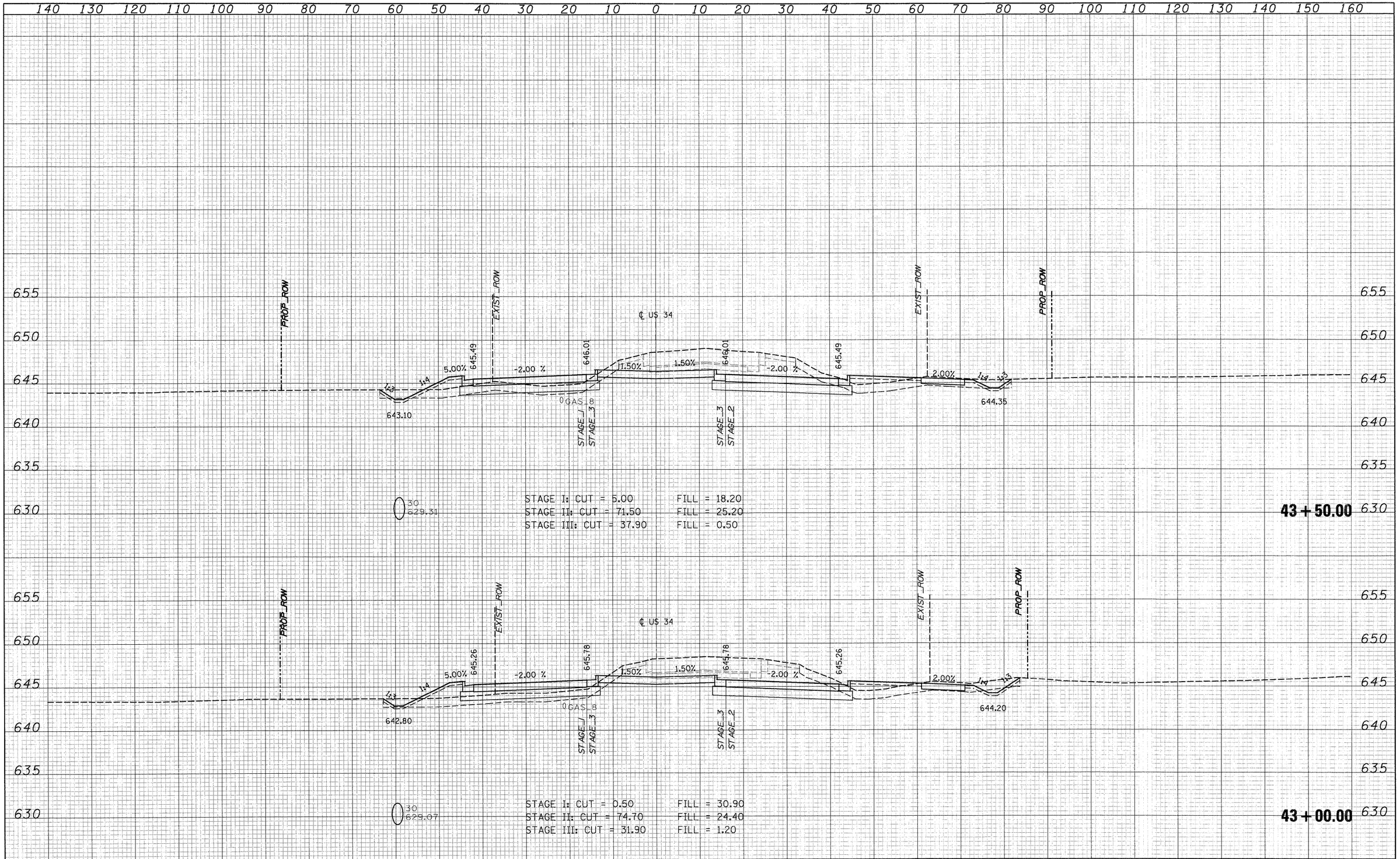
U.S. ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 86 OF 35 SHEETS | STA. 42+00.00 TO STA. 42+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1&BR-1(1);15R-1	KENDALL	429	378
		CONTRACT NO. 66985		
		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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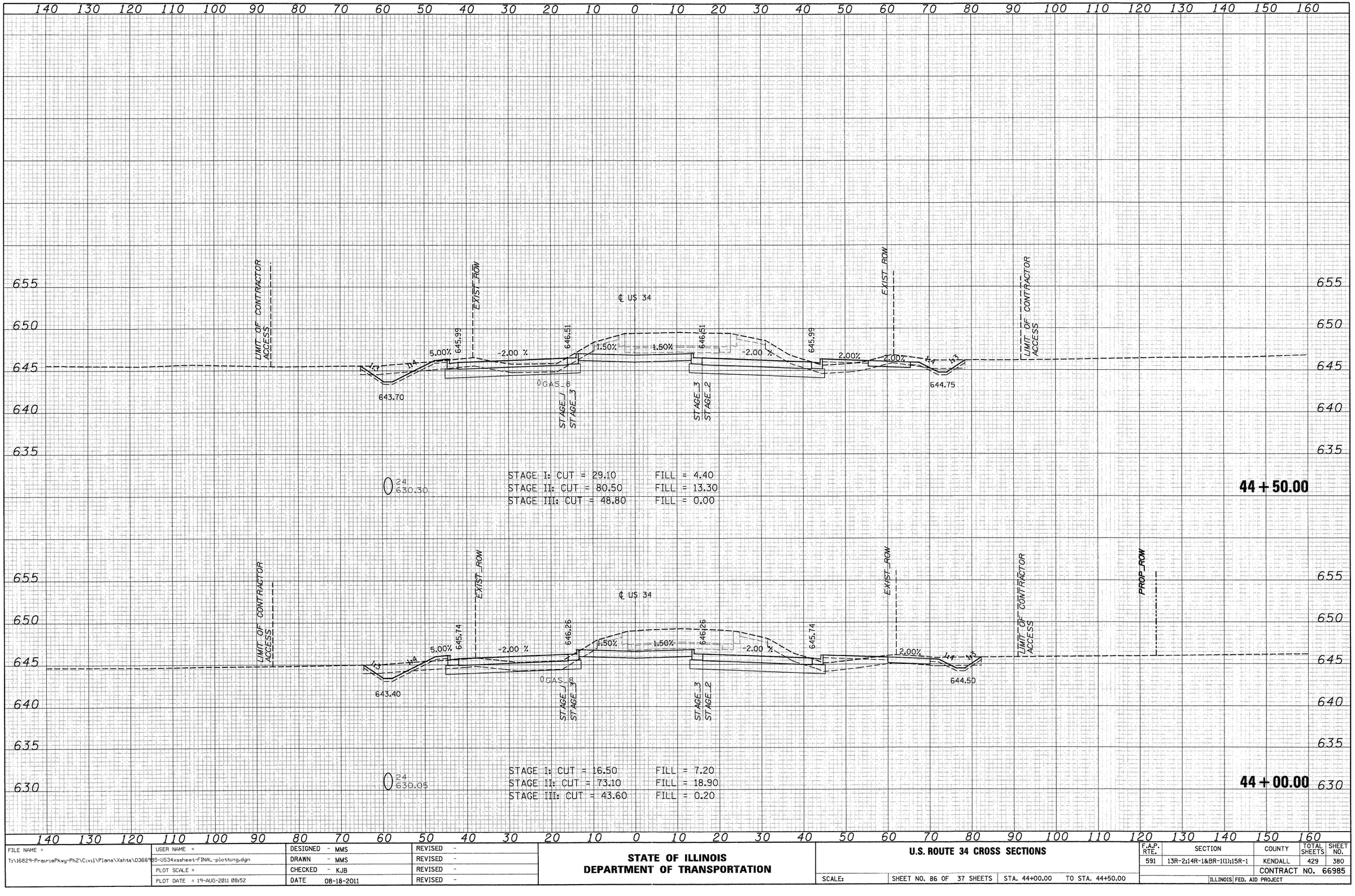
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 86 OF 36 SHEETS | STA. 43+00.00 TO STA. 43+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1&BR-1(1);15R-1	KENDALL	429	379
		CONTRACT NO. 66985		
	ILLINOIS	FED. AID PROJECT		

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



ORIGINAL SURVEY NOTE BOOK	NO.	BY	DATE
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	PLOTTED		
	TOTAL ACRE		
	AREAS		
	AREAS CHECKED		

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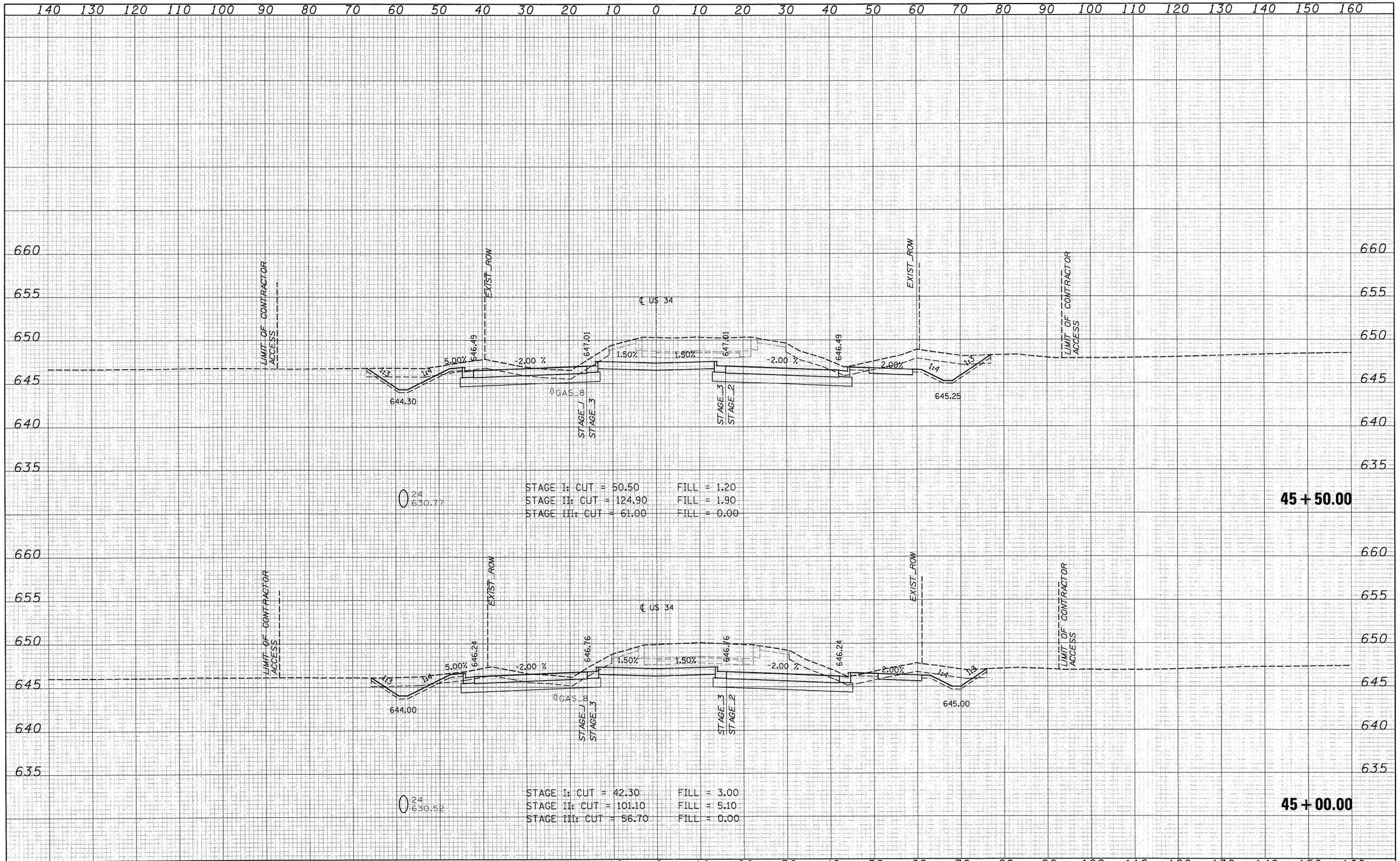
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 86 OF 37 SHEETS | STA. 44+00.00 TO STA. 44+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1&BR-1(D);15R-1	KENDALL	429	380
		CONTRACT NO. 66985		
	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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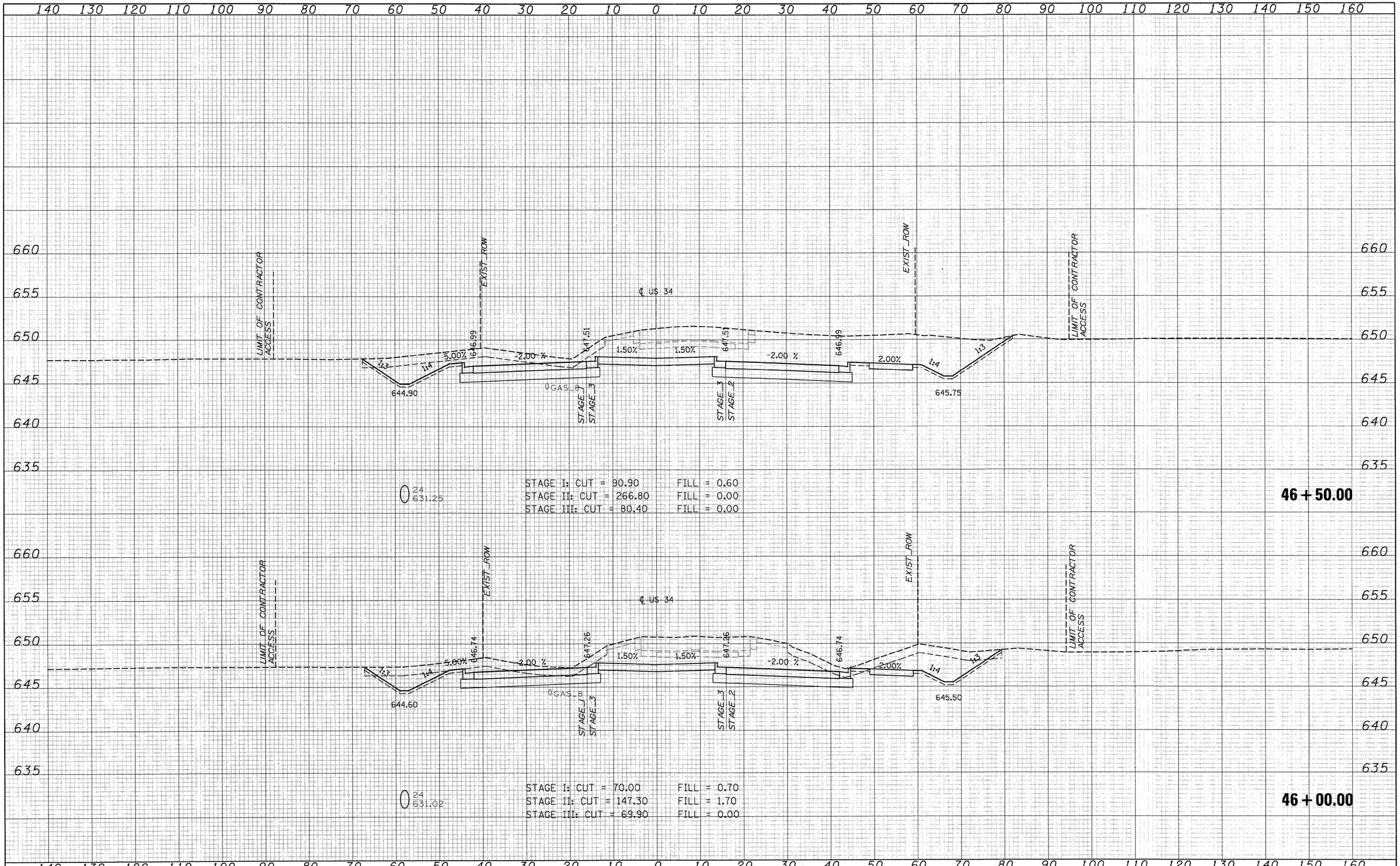
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 86 OF 38 SHEETS | STA. 45+00.00 TO STA. 45+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1&BR-1(1);15R-1	KENDALL	429	381
		CONTRACT NO. 66985		
	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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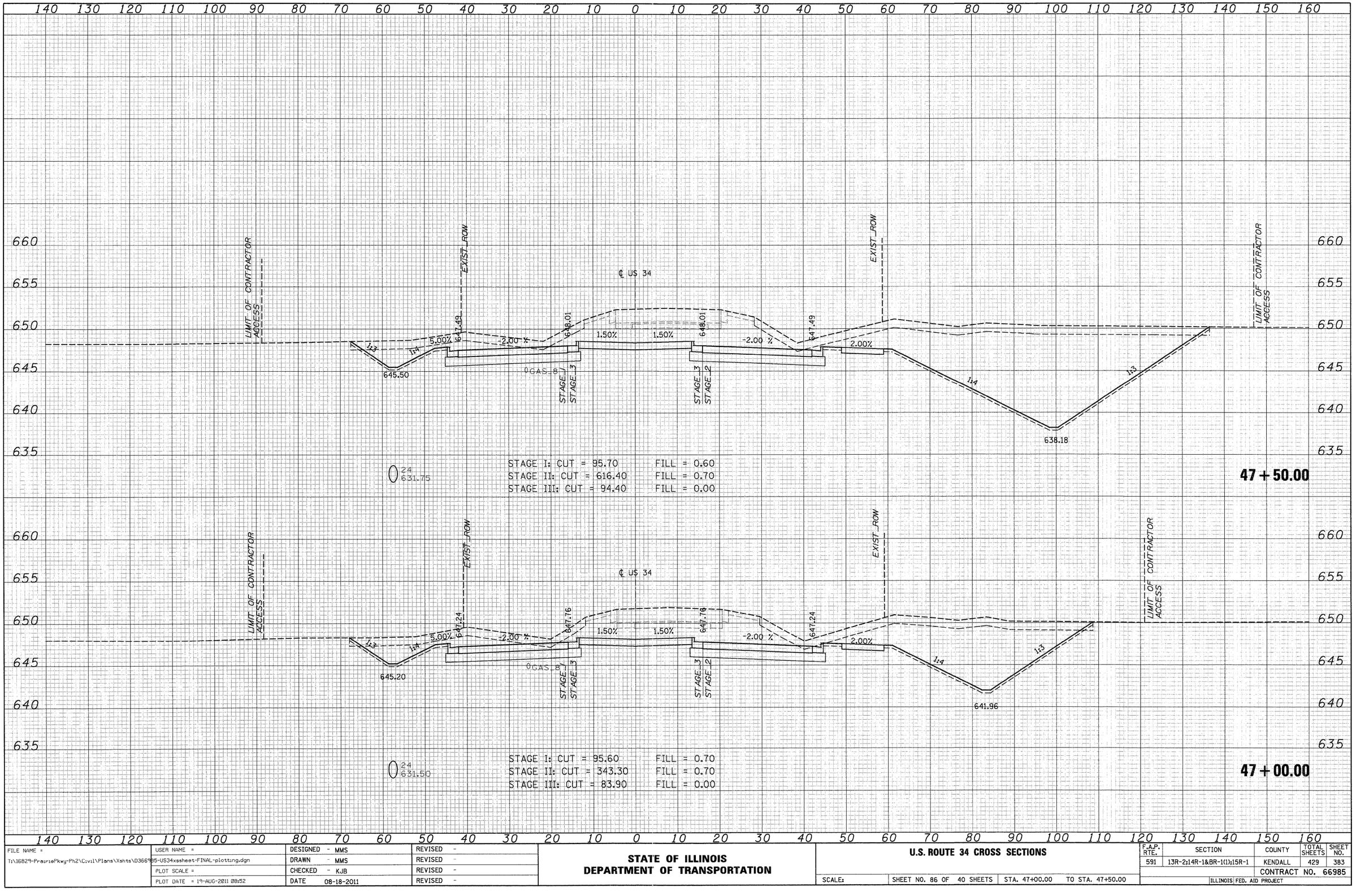
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 86 OF 39 SHEETS | STA. 46+00.00 TO STA. 46+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1&BR-1(1);15R-1	KENDALL	429	382
		CONTRACT NO. 66985		
	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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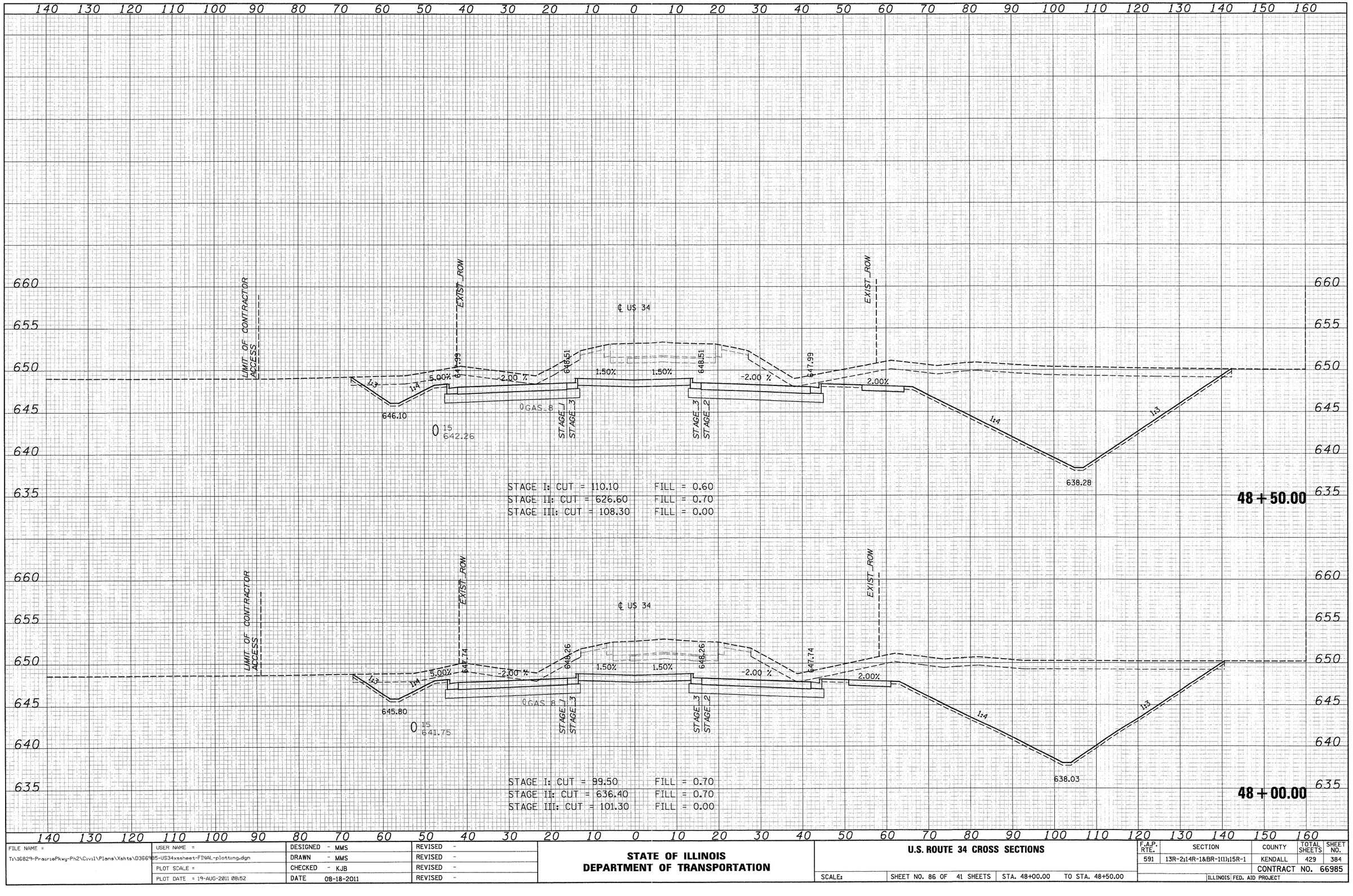
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 86 OF 40 SHEETS | STA. 47+00.00 TO STA. 47+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1&BR-1(1);15R-1	KENDALL	429	383
		CONTRACT NO. 66985		
	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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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

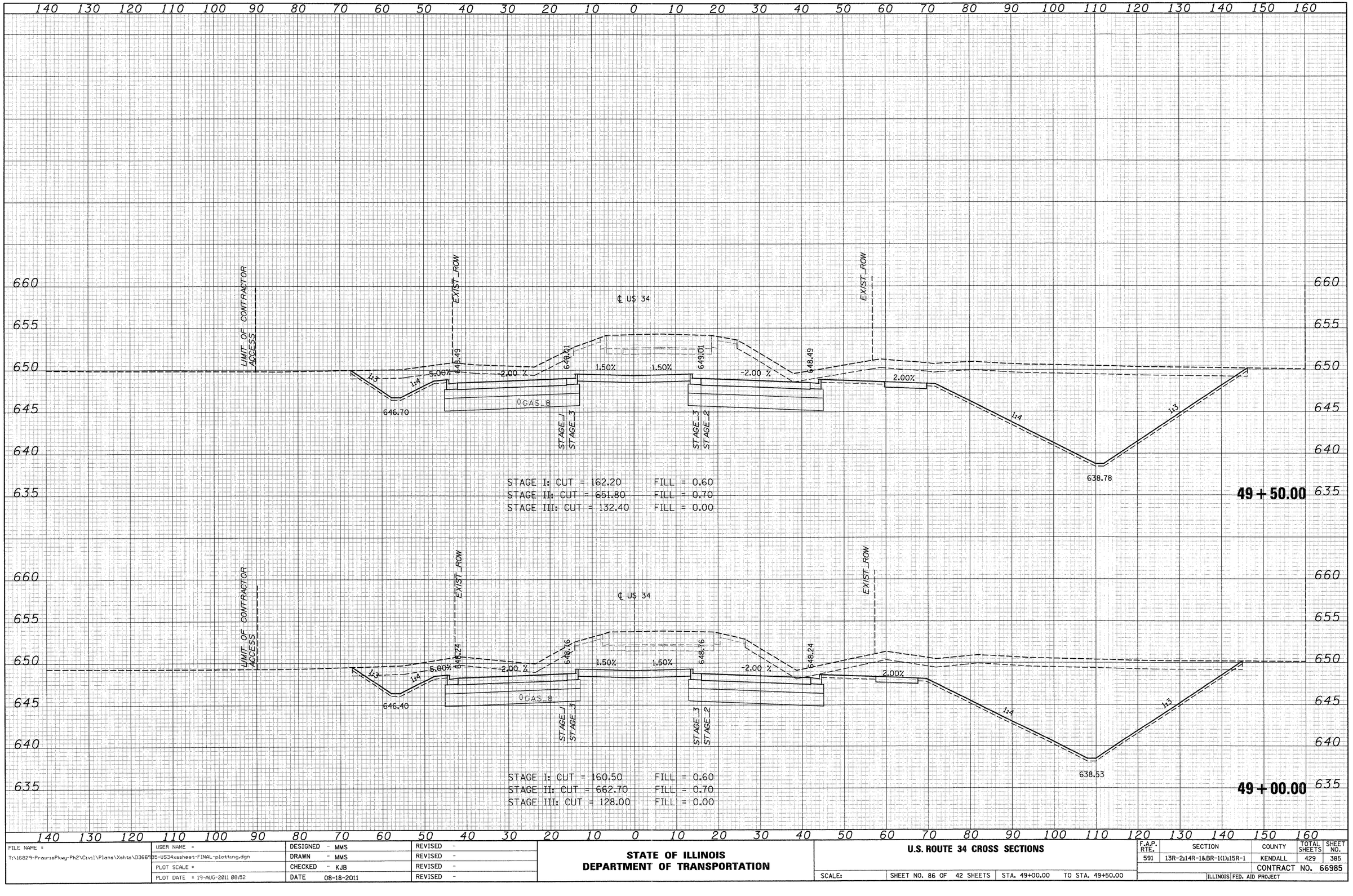
U.S. ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 86 OF 41 SHEETS | STA. 48+00.00 TO STA. 48+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1&BR-1(1);15R-1	KENDALL	429	384
		CONTRACT NO. 66985		
	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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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

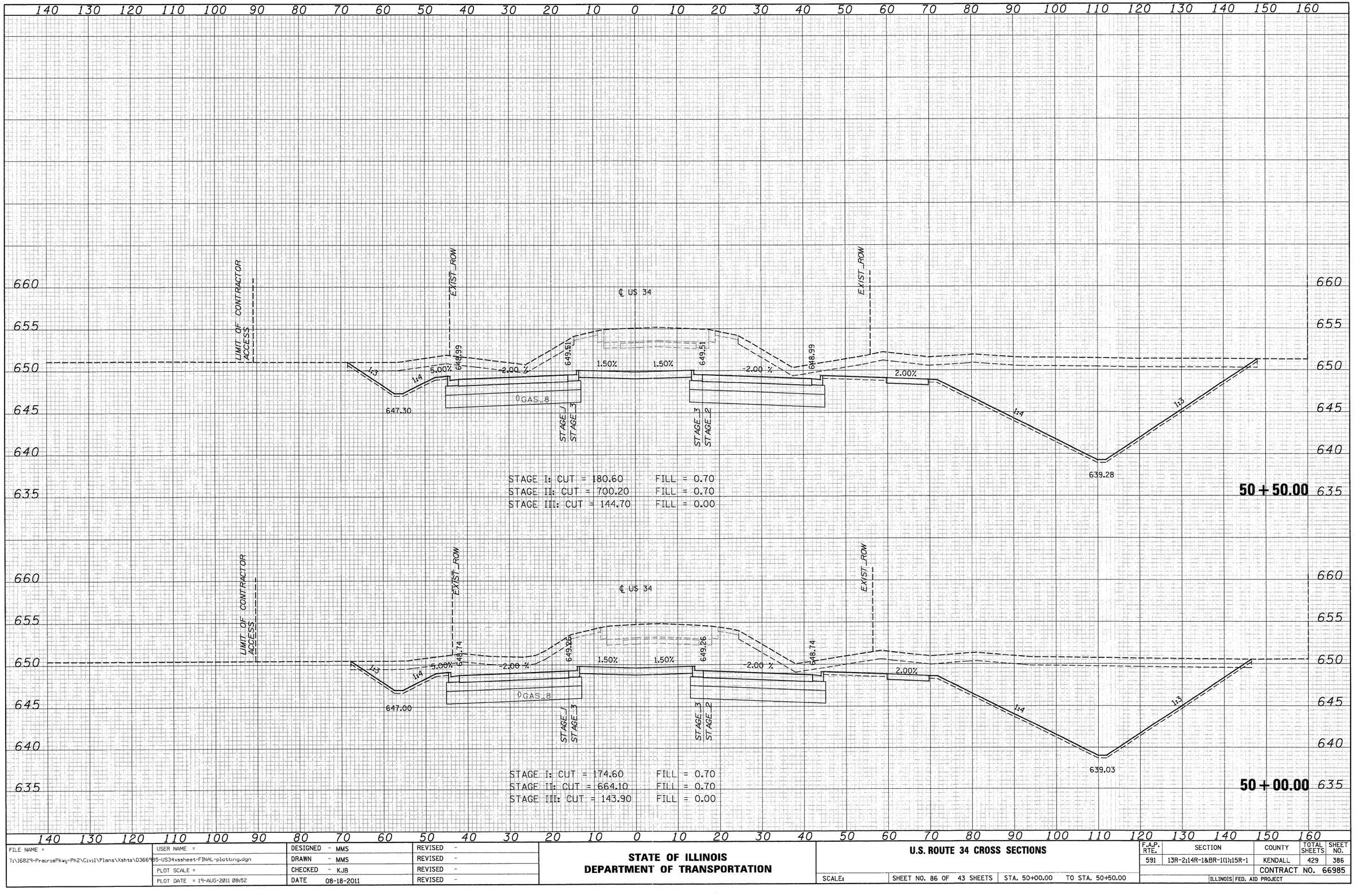
U.S. ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 86 OF 42 SHEETS | STA. 49+00.00 TO STA. 49+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1&BR-1(1);15R-1	KENDALL	429	385
		CONTRACT NO. 66985		
		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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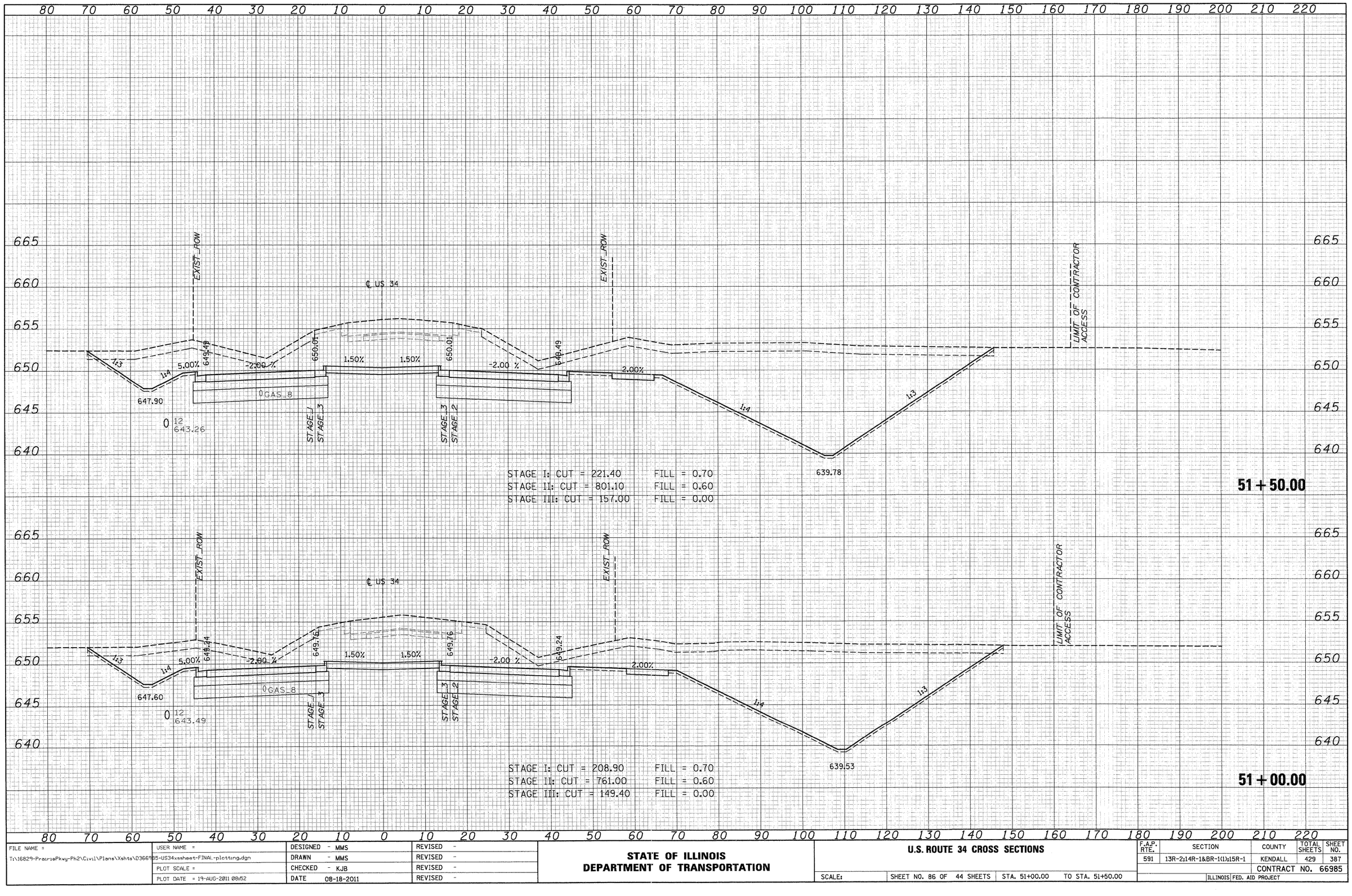
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 86 OF 43 SHEETS | STA. 50+00.00 TO STA. 50+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1&BR-1(1);15R-1	KENDALL	429	386
		CONTRACT NO. 66985		
	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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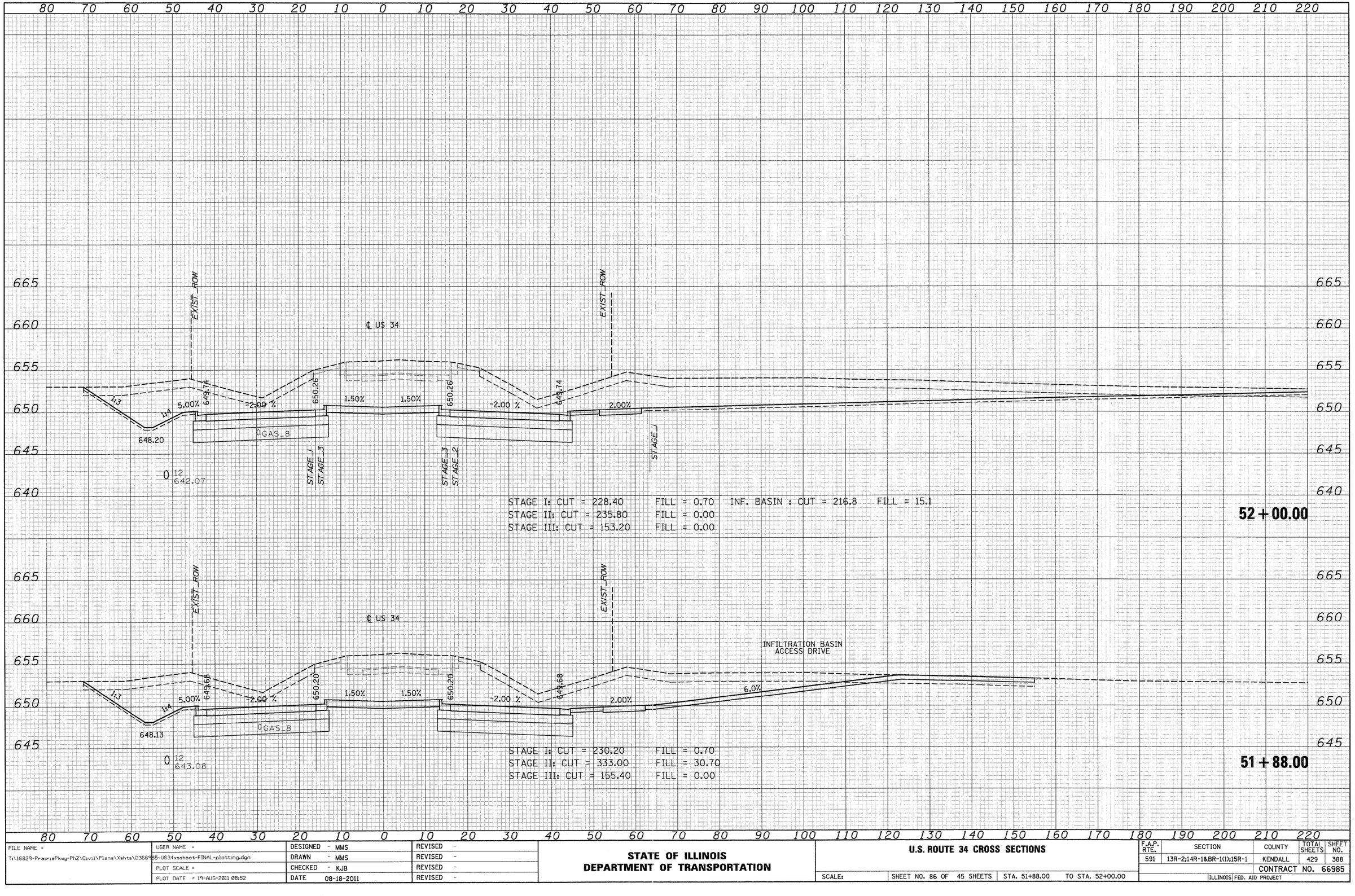
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 86 OF 44 SHEETS | STA. 51+00.00 TO STA. 51+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1&BR-1(1);15R-1	KENDALL	429	387
		CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			

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



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

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

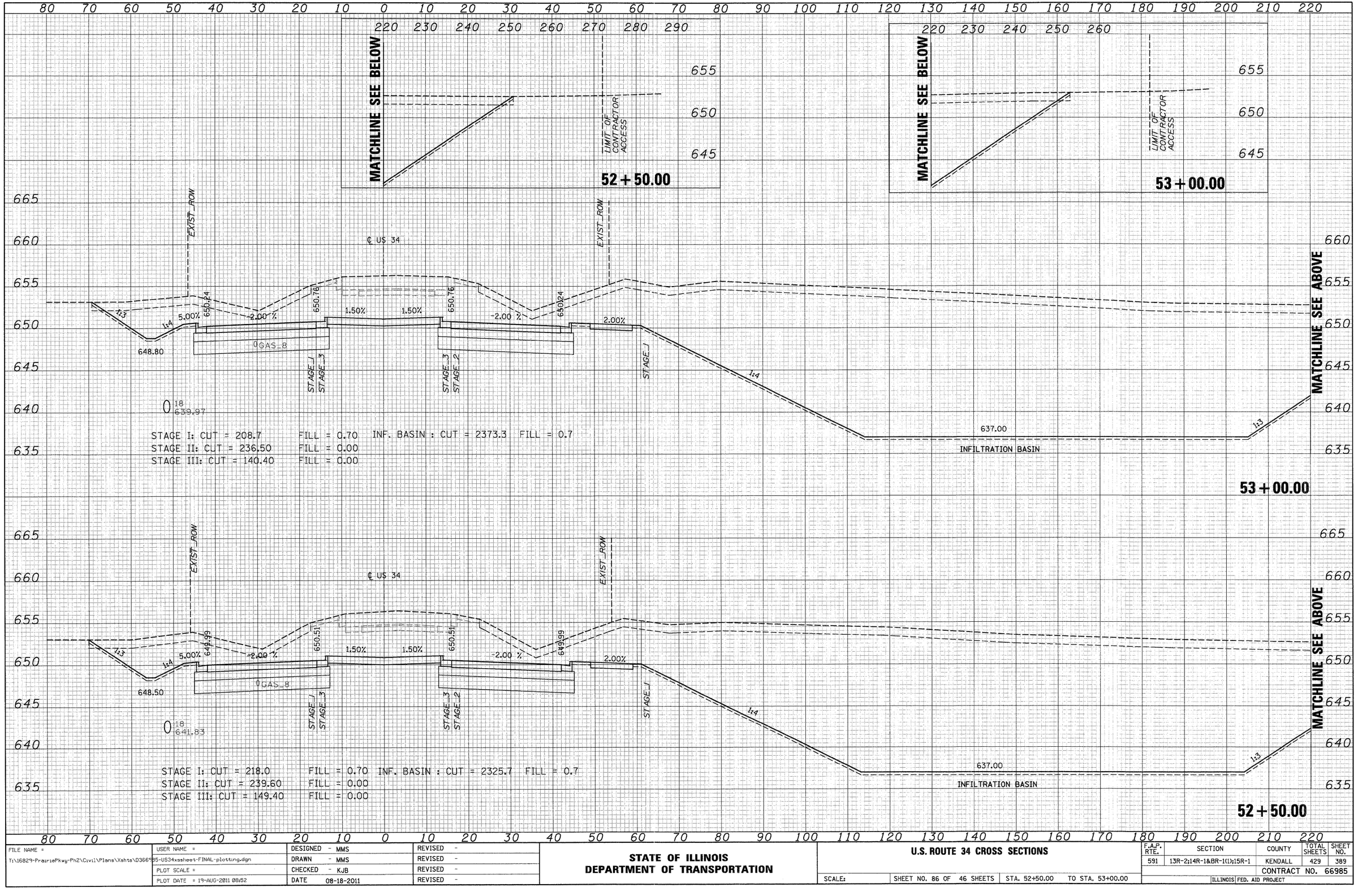
U.S. ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 86 OF 45 SHEETS | STA. 51+88.00 TO STA. 52+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1&BR-1(1);15R-1	KENDALL	429	388
		CONTRACT NO. 66985		
	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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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

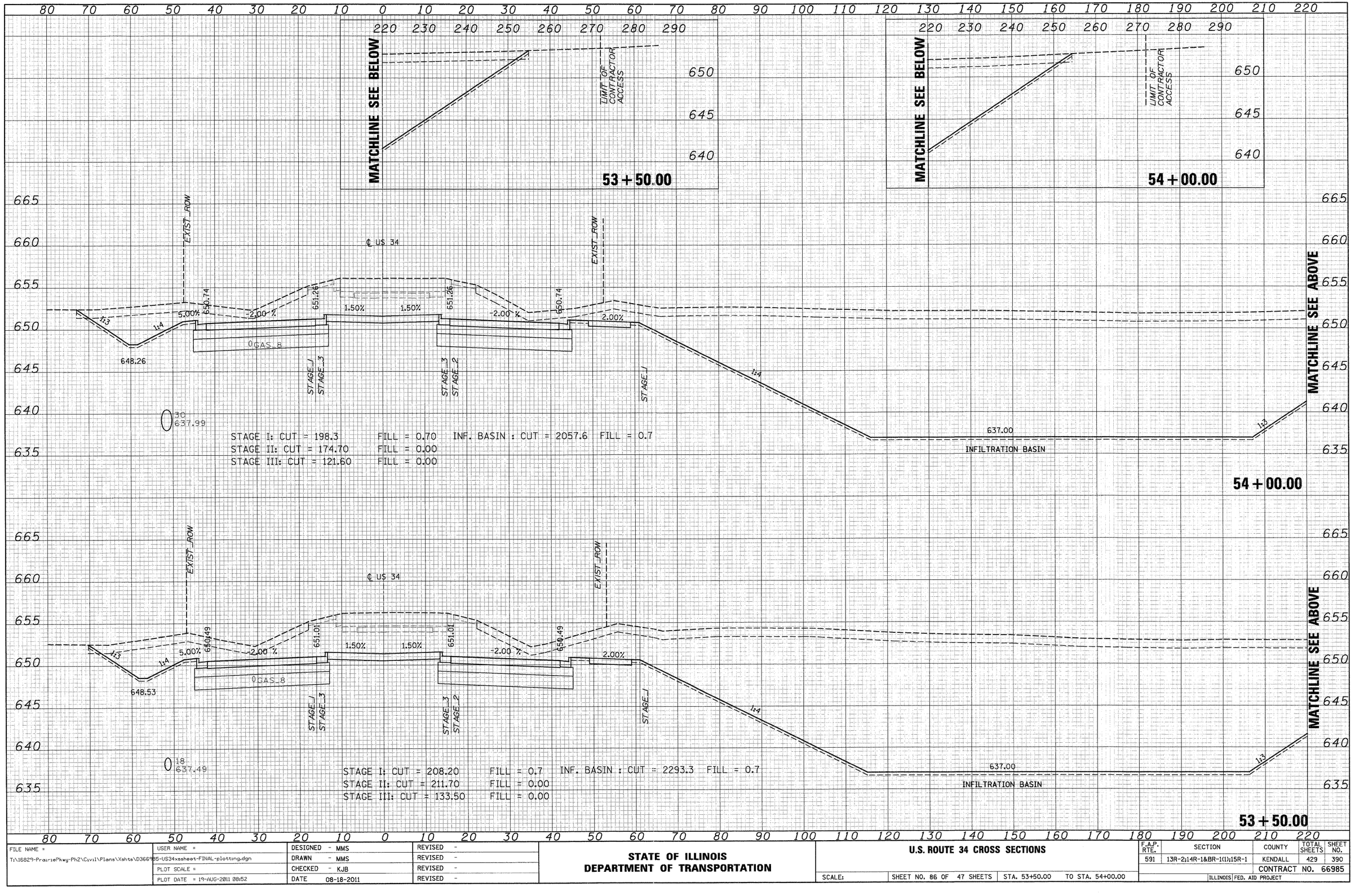
U.S. ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 86 OF 46 SHEETS | STA. 52+50.00 TO STA. 53+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1&BR-1(L);15R-1	KENDALL	429	389
		CONTRACT NO. 66985		
	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	



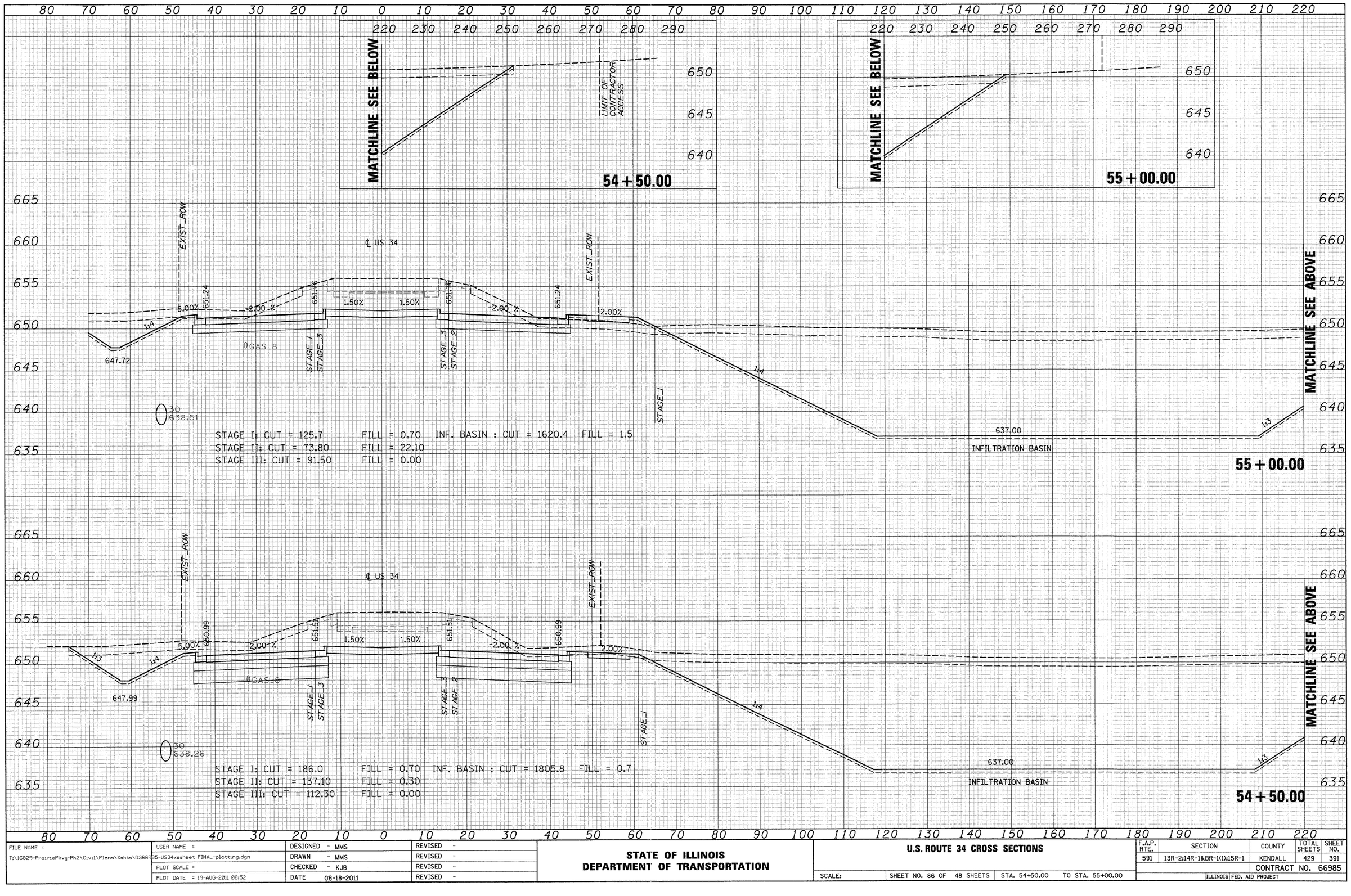
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 86 OF 47 SHEETS | STA. 53+50.00 TO STA. 54+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1&BR-1(1);15R-1	KENDALL	429	390
		CONTRACT NO. 66985		
	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

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 86 OF 48 SHEETS | STA. 54+50.00 TO STA. 55+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1&BR-1(1);15R-1	KENDALL	429	391
		CONTRACT NO. 66985		
	ILLINOIS	FED. AID PROJECT		

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

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

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DATE	-	08-18-2011

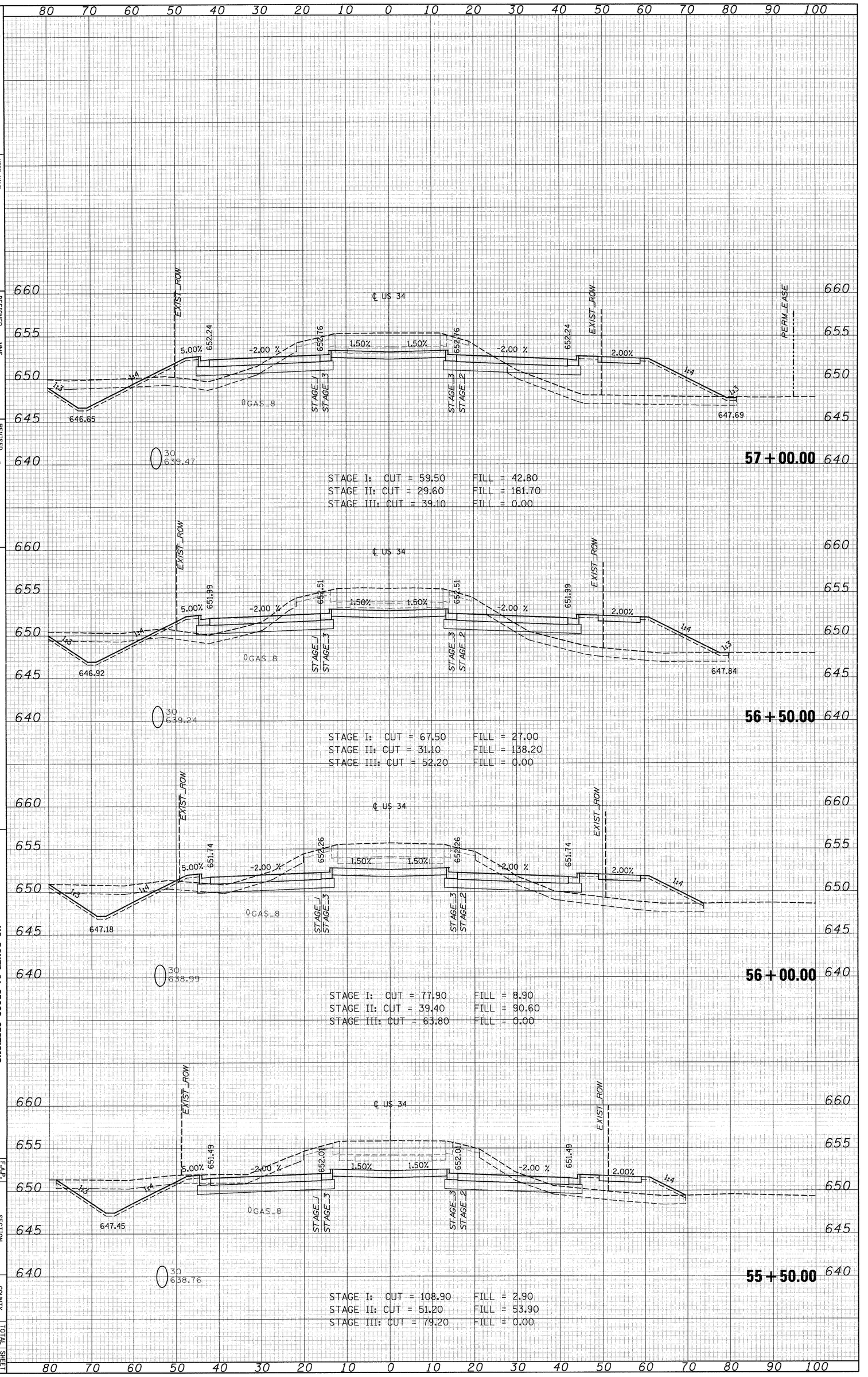
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 34 CROSS SECTIONS

SCALE:

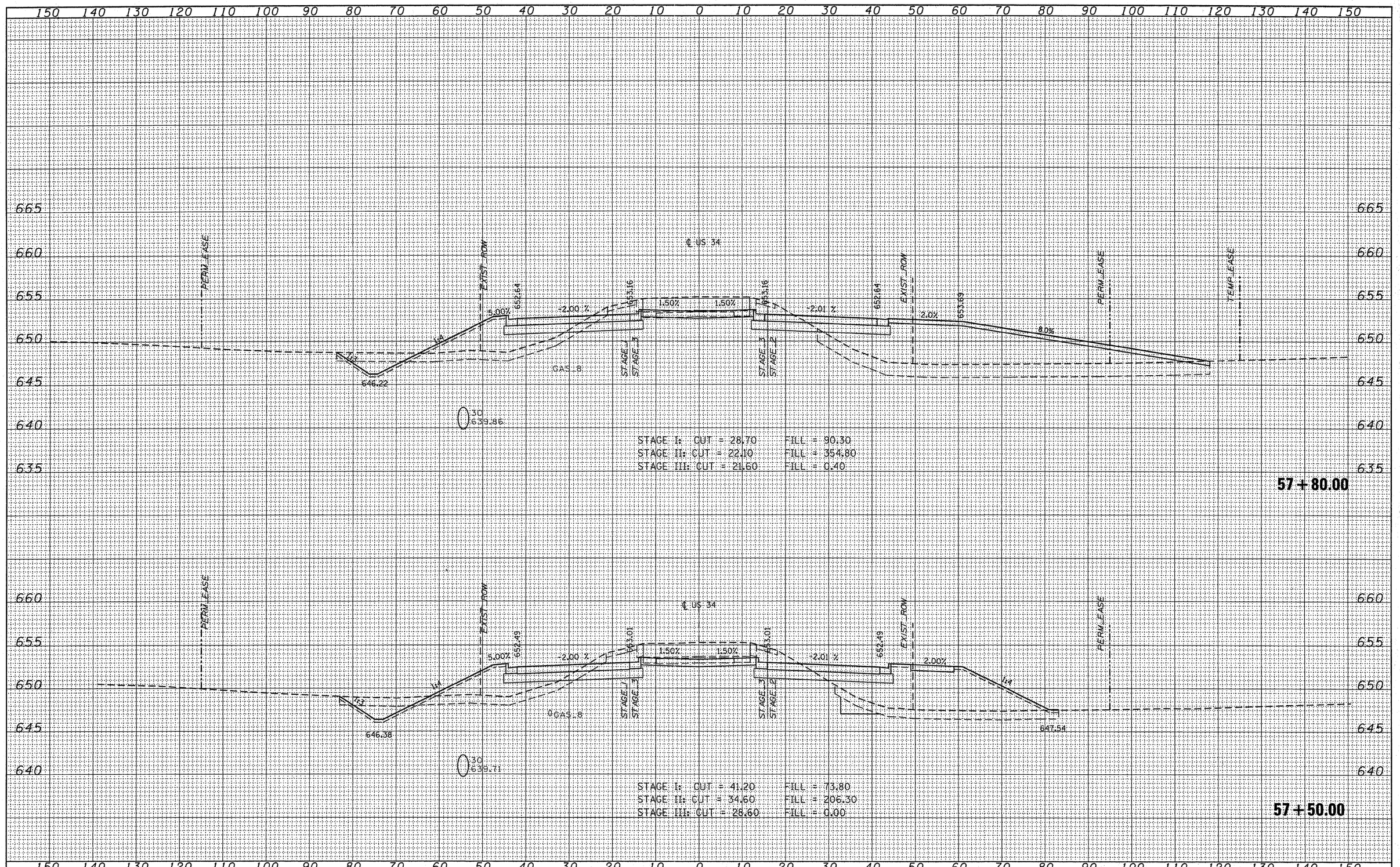
SHEET NO. 49 OF 86 SHEETS STA. 55+50.00 TO STA. 57+00.00



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2i/4R-1 & BR-10i1SR-1	KENDALL	429	392
		CONTRACT NO. 66985		

ILLINOIS FED. AID PROJECT

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



ORIGINAL SURVEY	SURVEYED	BY
	PLOTTED	
NOTE BOOK	TEMPLATE	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

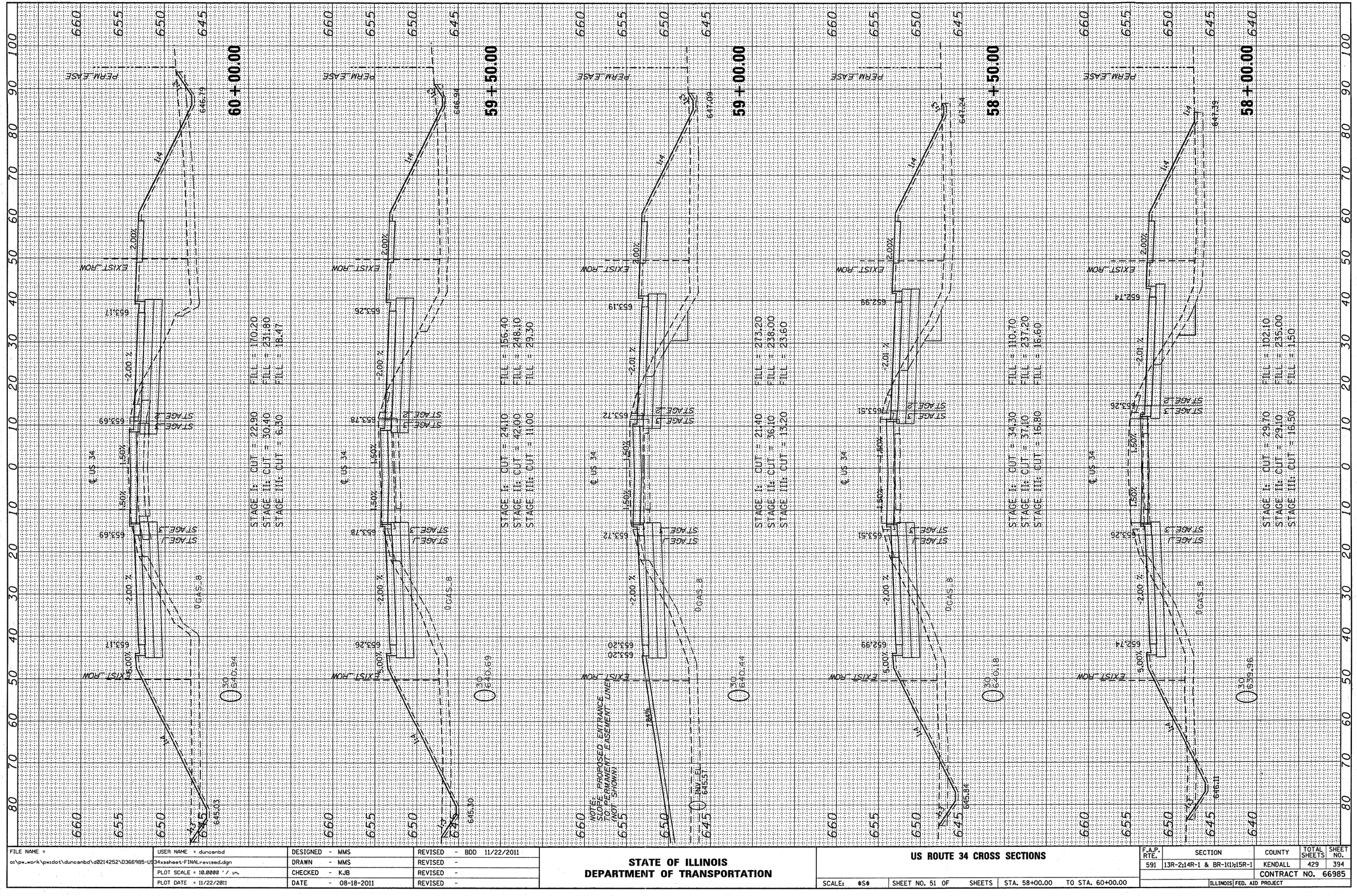
U.S. ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 50 OF 86 SHEETS | STA. 57+50.00 TO STA. 57+80.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1&BR-1(1);15R-1	KENDALL	429	393
		CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			

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

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



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 34 CROSS SECTIONS

SCALE: #S# | SHEET NO. 51 OF SHEETS | STA. 58+00.00 TO STA. 60+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	394
		CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140

660 655 650 645

PROP_ROW
EXIST_ROW

℄ US 34

5.00% 652.66 -1.99 % 653.18 1.50% 1.50% 653.26 653.18 -2.00 % -2.50 % 652.52 2.00%

1:4 1:3

STAGE_1 STAGE_3 STAGE_3 STAGE_2

EXRGF_ROW

648.38

0GAS_8

24
641.95

STAGE I: CUT = 26.80 FILL = 31.20
STAGE II: CUT = 42.60 FILL = 67.10
STAGE III: CUT - 10.40 FILL - 16.48

61 + 50.00

660 655 650 645 640

PROP_ROW
EXRGF_ROW

℄ US 34

5.00% 652.83 -2.00 % 653.35 1.50% 1.50% 653.38 653.35 -2.00 % -2.50 % 652.76 2.00%

1:4 1:3

STAGE_1 STAGE_3 STAGE_3 STAGE_2

EXRGF_ROW

647.83

0GAS_8

24
641.95

STAGE I: CUT = 12.40 FILL = 185.30
STAGE II: CUT = 43.10 FILL = 110.40
STAGE III: CUT = 7.50 FILL = 16.42

61 + 00.00

660 655 650 645 640

PROP_ROW
EXRGF_ROW

℄ US 34

5.00% 653.00 -2.00 % 653.52 1.50% 1.50% 653.52 -2.00 % 653.00 2.00%

1:4 1:3

STAGE_1 STAGE_3 STAGE_3 STAGE_2

EXRGF_ROW

647.27

0GAS_8

30
641.19

STAGE I: CUT = 13.40 FILL = 187.40
STAGE II: CUT = 39.90 FILL = 139.00
STAGE III: CUT = 6.10 FILL = 19.32

60 + 50.00

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140

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

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SURVEYED		
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NOTE BOOK		
NO.	AREAS	CHECKED

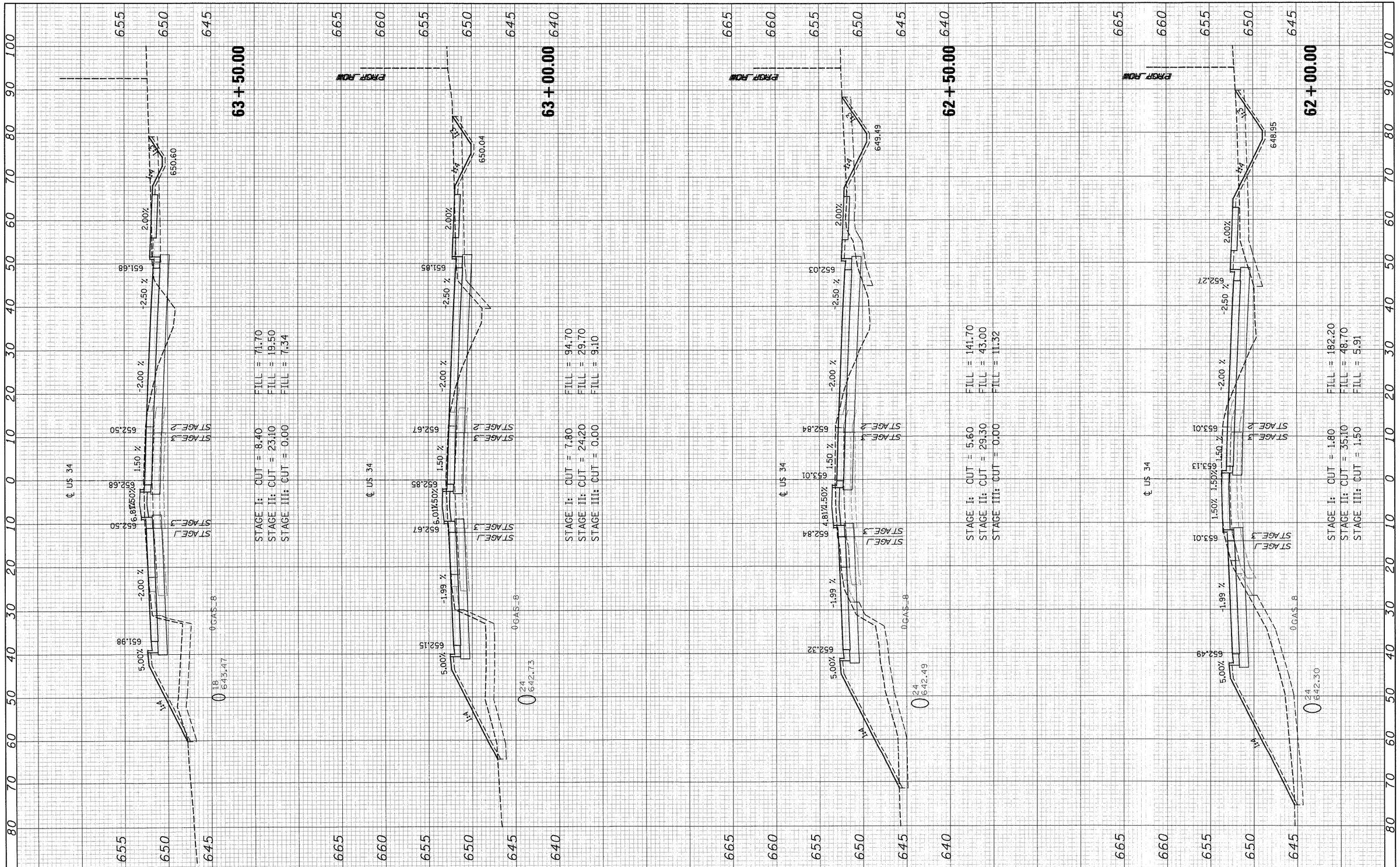
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 86 OF 52 SHEETS | STA. 60+50.00 TO STA. 61+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1&BR-1(1);15R-1	KENDALL	429	395
		CONTRACT NO. 66985		
	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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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

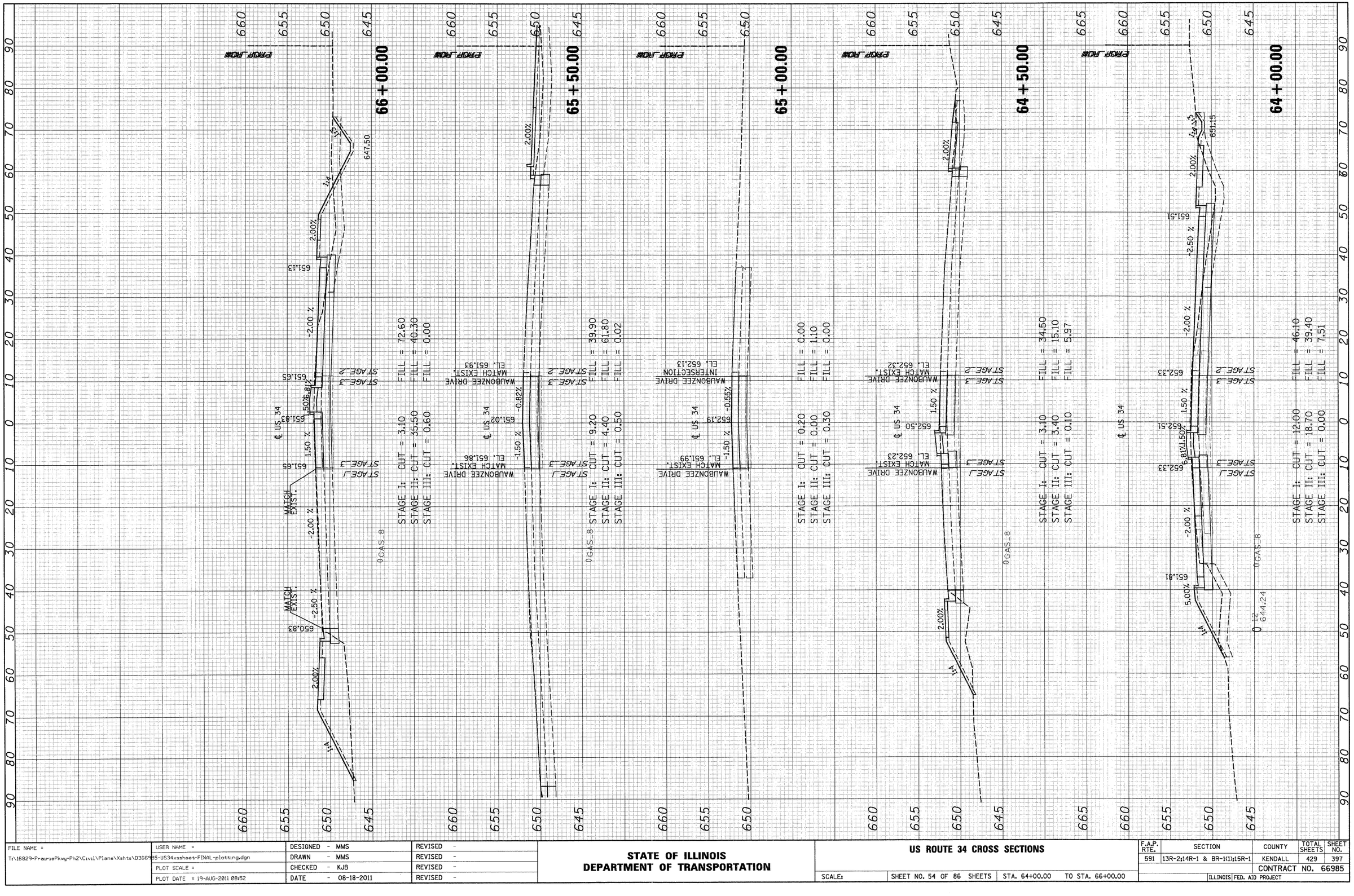
US ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 53 OF 86 SHEETS | STA. 62+00.00 TO STA. 63+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	396
		CONTRACT NO. 66985		
	ILLINOIS FED. AID PROJECT			

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



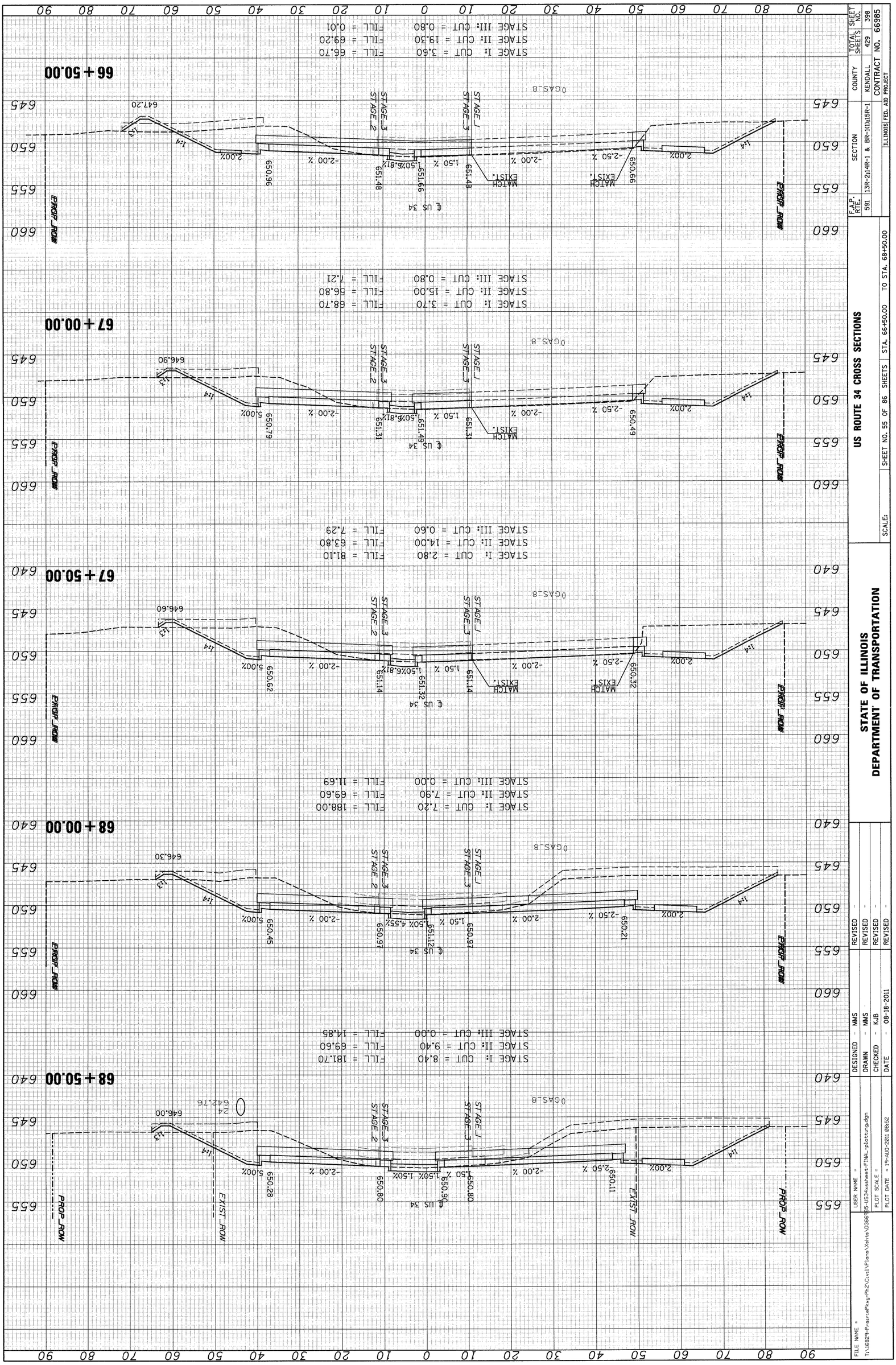
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 54 OF 86 SHEETS | STA. 64+00.00 TO STA. 66+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	397
		CONTRACT NO. 66985		
	ILLINOIS	FED. AID PROJECT		



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 55 OF 86 SHEETS | STA. 66+50.00 | TO STA. 68+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2\14R-1 & BR-1\1)\15R-1	KENDALL	429	398
	ILLINOIS FED. AID PROJECT	CONTRACT NO. 66985		

DESIGNED	-	MMS
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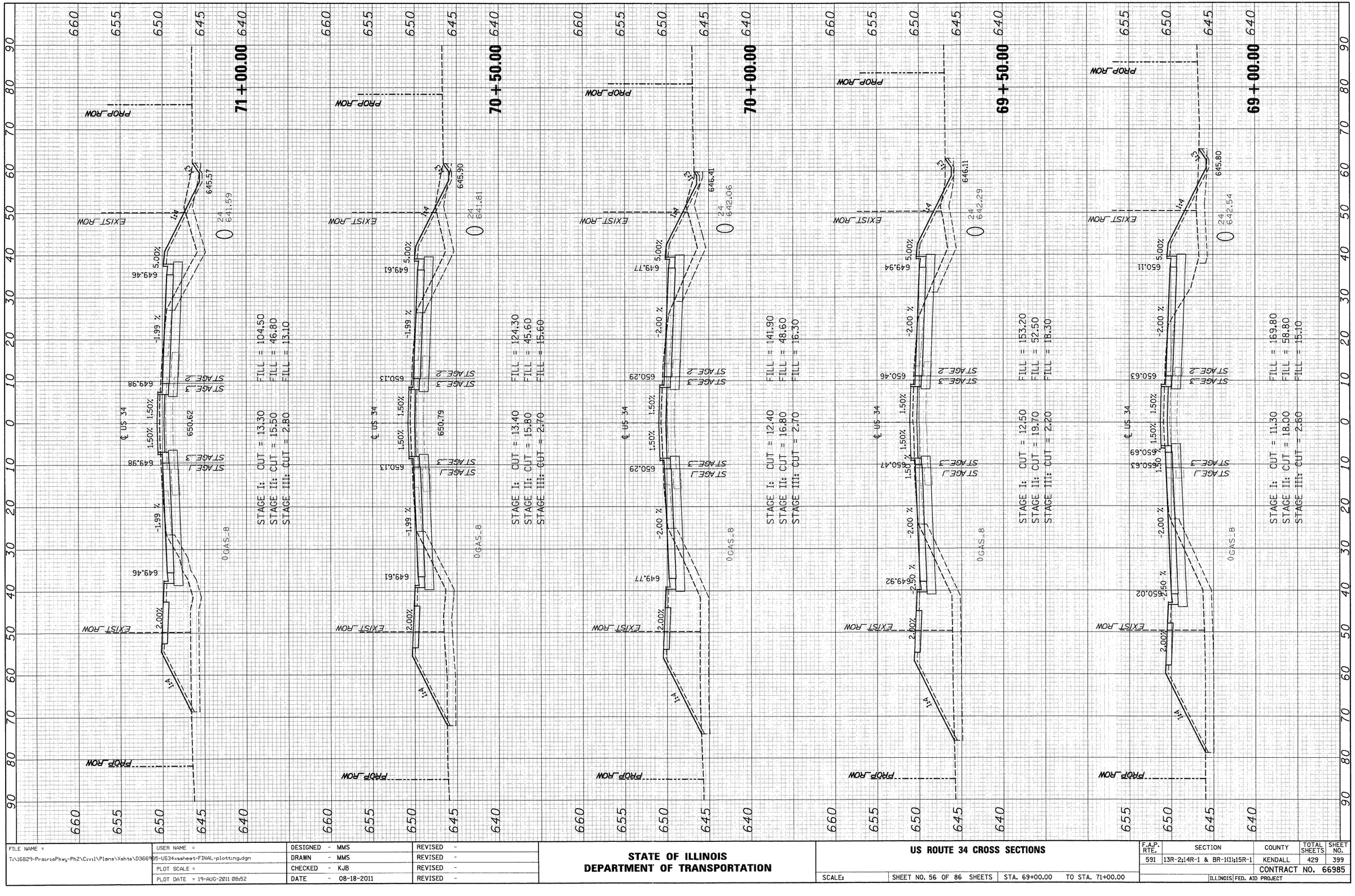
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NOTE BOOK	
SURVEY	

DATE	BY

FINAL	
SURVEYED	
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TEMPLATE	
AREAS	
AREAS CHECKED	
NO.	
NOTE BOOK	
SURVEY	

DATE	BY



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

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NO.	AREAS CHECKED		

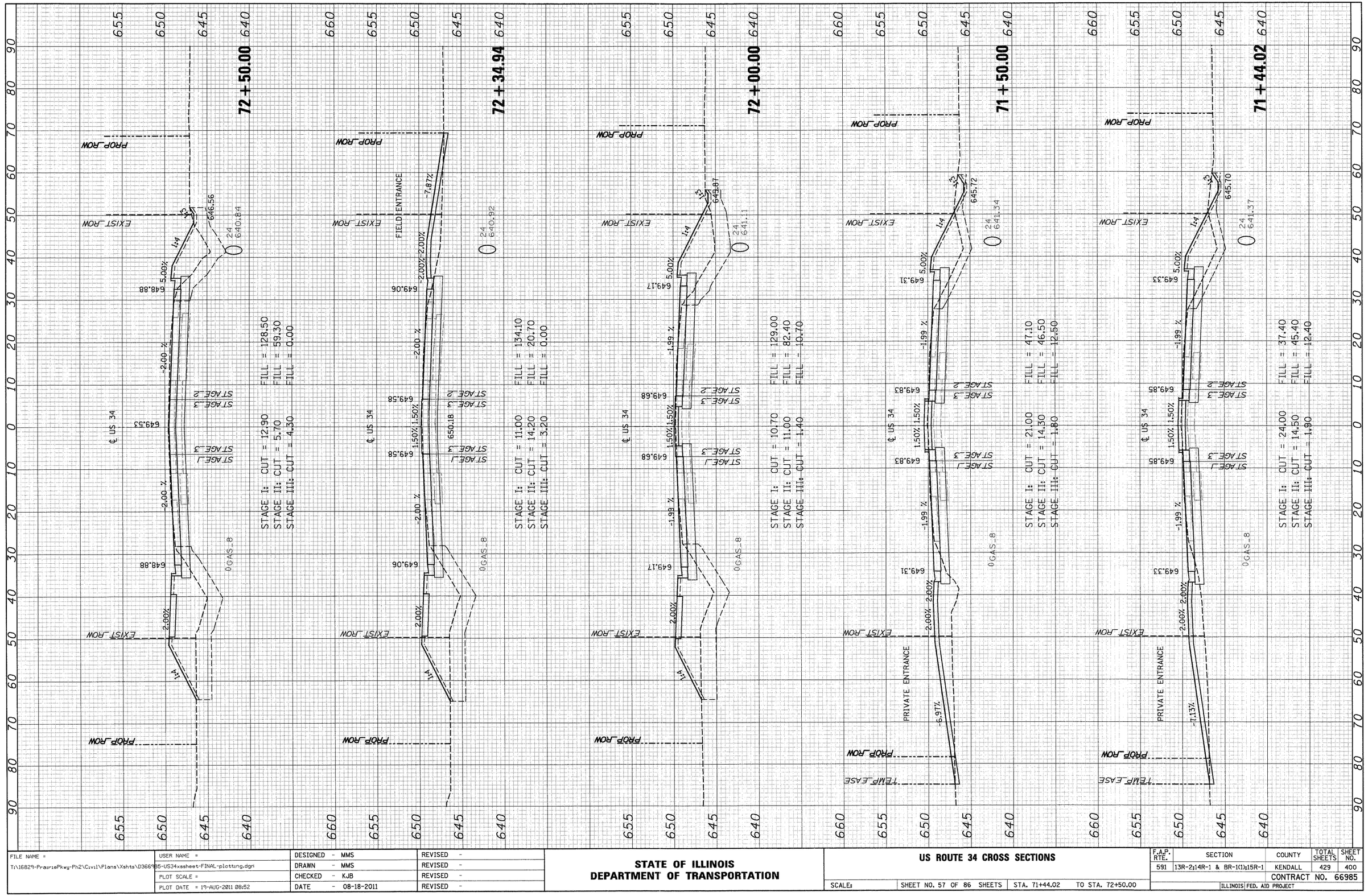
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 56 OF 86 SHEETS | STA. 69+00.00 TO STA. 71+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	399
		CONTRACT NO. 66985		
	ILLINOIS	FED. AID PROJECT		



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	PLOT DATE = 19-AUG-2011 08:52	DATE - 08-18-2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 34 CROSS SECTIONS

SCALE: | SHEET NO. 57 OF 86 SHEETS | STA. 71+44.02 TO STA. 72+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	13R-2;14R-1 & BR-1(1);15R-1	KENDALL	429	400
		CONTRACT NO. 66985		
	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