BORING LOGS

Illinois Department of Transportation

Sh. 1 of 1 Sh.

PROJECT P-92-096-84 Date 12-19-86

ROUTE FAU 5822 Milan Beltway Bored By D & G Drilling, Inc.

SEC. 1-3 STA. 2+90 Ramp Checked By JZ/CB

COUNTY Rock Island

Boring No. B-52
Station 2+90 Ramp
Offset CL

Surface Water El. N/A
Groundwater El. at Completion 565.6
After _____ Hours

Elevation	N	Qu t/s.f.	w (%)
Ground Surface 567.1			
SILTY CLAY LOAM: dark gray/brown; soft; very moist A-7-6 565.1		0.25 P	30
LOAM: brown; soft; wet		<.25 P	23
A-4(3) 561.1			
Boring Terminated @ 6.0'			

N-Standard Penetration Test-Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140 No. hammer falling 30".

Qu-Unconfined Compressive Strength - t/sf

w - Water Content - percentage of oven dry weight-%.

Type failure:
B - Bulge Failure
S - Shear Failure
E - Estimated Value
P - Penetrometer

BD 137 (Rev. 4-78)

7-67

Illinois Department of Transportation

Sh. 1 of 1 Sh.

PROJECT P-92-096-84 Date 12-19-86

ROUTE FAU 5822 Milan Beltway Bored By D & G Drilling, Inc.

SEC. 1-3 STA. 389+00 Checked By JZ/CB

COUNTY Rock Island

Boring No. B-53
Station 389+00
Offset 20'R

Surface Water El. N/A
Groundwater El. at Completion 565.2
After _____ Hours

Elevation	N	Qu t/s.f.	w (%)
Ground Surface 566.2			
SILTY CLAY LOAM: dark brown/gray; medium stiff A-7-6 563.2		1.0 P	29
SILTY CLAY LOAM: light brown; soft; wet		<.25 P	
A-6(11) 560.2		<.25 P	30
Boring Terminated @ 6.0'			

N-Standard Penetration Test-Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140 No. hammer falling 30".

Qu-Unconfined Compressive Strength - t/sf

w - Water Content - percentage of oven dry weight-%.

Type failure:
B - Bulge Failure
S - Shear Failure
E - Estimated Value
P - Penetrometer

BD 137 (Rev. 4-78)

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Illinois Department of Transportation

Sh. 1 of 1 Sh.

PROJECT P-92-096-84 Date 12-19-86

ROUTE FAU 5822 Milan Beltway Bored By D & G Drilling, Inc.

SEC. 1-3 STA. 392+00 Checked By JZ/CB

COUNTY Rock Island

Boring No. B-54
Station 392+00
Offset 10'L

Surface Water El. 563.9
Groundwater El. at Completion Dry
After _____ Hours

Elevation	N	Qu t/s.f.	w (%)
Ground Surface 567.4			
SILTY CLAY LOAM: dark gray; medium stiff		0.75 P	23
A-7-6 564.9		1.5 P	
CLAY: red/brown; stiff (weathered shale)			37
A-7-6 561.4		1.5 P	
Boring Terminated @ 6.0'.			

N-Standard Penetration Test-Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140 No. hammer falling 30".

Qu-Unconfined Compressive Strength - t/sf

w - Water Content - percentage of oven dry weight-%.

Type failure:
B - Bulge Failure
S - Shear Failure
E - Estimated Value
P - Penetrometer

BD 137 (Rev. 4-78)

7-69

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	302
STA.	TO STA.			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

BORING LOGS

Illinois Department of Transportation

Sh. 1 of 1 Sh.

PROJECT P-92-096-84 Date 12-19-86

ROUTE FAU 5822 Milan Beltway Bored By D & G Drilling, Inc.

SEG. 1-3 STA. 395+00 Checked By JZ/CB

COUNTY Rock Island

Boring No. B-55
Station 395+00
Offset 10'R

Surface Water El. —
Groundwater El. at Completion Dry
After — Hours

Elevation	N	Qu t/s.f.	w (%)
Ground Surface 569.7	0		
SILTY CLAY LOAM: gray/brown; medium stiff		0.75 P	
		0.5 P	26
A-7-6 566.2			
CLAY: red/brown; medium stiff (weathered shale)	-5	0.75 P	26
A-7-6 563.7		0.75 P	
Boring Terminated @ 6.0'.			
	-10		
	-15		
	-20		
	-25		
	-30		
	-35		
	-40		
	-45		

N-Standard Penetration Test-Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140 No. hammer falling 30".

Qu-Unconfined Compressive Strength - t/sf

w - Water Content - percentage of oven dry weight-%.

Type failure:
B - Bulge Failure
S - Shear Failure
E - Estimated Value
P - Penetrometer

BD 137 (Rev. 4-78) 7-70

Illinois Department of Transportation

Sh. 1 of 1 Sh.

PROJECT P-92-096-84 Date 12-19-86

ROUTE FAU 5822 Milan Beltway Bored By D & G Drilling, Inc.

SEG. 1-3 STA. 1158+50 Checked By JZ/CB

COUNTY Rock Island

Boring No. B-56
Station 1158+50
Offset 320'R

Surface Water El. N/A
Groundwater El. at Completion 572.1
After — Hours

Elevation	N	Qu t/s.f.	w (%)
Ground Surface 574.0	0		
SILTY CLAY LOAM: dark gray; soft		0.25 P	
		0.4 P	26
A-7-6 570.5			
SILTY LOAM/SILTY CLAY LOAM: light brown; soft; wet	-5	<.25 P	28
A-4 to A-6 568.0			
Boring Terminated @ 6.0'.			
	-10		
	-15		
	-20		
	-25		
	-30		
	-35		
	-40		
	-45		

N-Standard Penetration Test-Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140 No. hammer falling 30".

Qu-Unconfined Compressive Strength - t/sf

w - Water Content - percentage of oven dry weight-%.

Type failure:
B - Bulge Failure
S - Shear Failure
E - Estimated Value
P - Penetrometer

BD 137 (Rev. 4-78) 7-71

Illinois Department of Transportation

Sh. 1 of 1 Sh.

PROJECT P-92-096-84 Date 12-19-86

ROUTE FAU 5822 Milan Beltway Bored By D & G Drilling, Inc.

SEG. 1-3 STA. 402+50 Checked By JZ/CB

COUNTY Rock Island

Boring No. B-60
Station 402+50
Offset 10'L

Surface Water El. —
Groundwater El. at Completion Dry
After — Hours

Elevation	N	Qu t/s.f.	w (%)
Ground Surface 579.7	0		
SILTY CLAY LOAM: dark gray; stiff to medium		2.2 P	23
		1.0 P	
grades gray below 3.0'.			
	-5	0.5 P	23
A-7-6 573.7			
Boring Terminated @ 6.0'.			
	-10		
	-15		
	-20		
	-25		
	-30		
	-35		
	-40		
	-45		

N-Standard Penetration Test-Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140 No. hammer falling 30".

Qu-Unconfined Compressive Strength - t/sf

w - Water Content - percentage of oven dry weight-%.

Type failure:
B - Bulge Failure
S - Shear Failure
E - Estimated Value
P - Penetrometer

7-75

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	303
STA.		TO STA.		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

BORING LOGS

Illinois Department of Transportation

Sh. 1 of 1 Sh.

PROJECT P-92-096-84 Date 12-19-86

ROUTE FAU 5822 Milan Beltway Bored By D & G Drilling, Inc.

SEC. 1-3 STA. 405+00 Checked By JZ/CB

COUNTY Rock Island

Boring No. B-63
Station 405+00
Offset 30'R

Surface Water El. ____
Groundwater El. at Completion Dry
After ____ Hours

Elevation	N	Qu t/s.f.	w (%)
Ground Surface 579.5	0		
SILTY CLAY LOAM: dark gray; medium stiff		1.0 P	26
A-7-6(19) 577.0			
SILTY LOAM: gray/brown; soft		0.3 P	
	-5	<0.2 P	25
A-4 573.5			
Boring Terminated @ 6.0'.			
	-10		
	-15		
	-20		
	-25		
	-30		
	-35		
	-40		
	-45		

N-Standard Penetration Test-Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140 No. hammer falling 30".

Qu-Unconfined Compressive Strength - t/sf

w - Water Content - percentage of oven dry weight-%.

Type failure:
B - Bulge Failure
S - Shear Failure
E - Estimated Value
P - Penetrometer

BD 137 (Rev. 4-78) 7-78

Illinois Department of Transportation

Sh. 1 of 1 Sh.

PROJECT P-92-096-84 Date 12-19-86

ROUTE FAU 5822 Milan Beltway Bored By D & G Drilling, Inc.

SEC. 1-3 STA. 409+00 Checked By JZ/CB

COUNTY Rock Island

Boring No. B-64
Station 409+00
Offset @ CL

Surface Water El. ____
Groundwater El. at Completion Dry
After ____ Hours

Elevation	N	Qu t/s.f.	w (%)
Ground Surface 582.4	0		
SILTY CLAY LOAM: dark gray		0.5 P	30
grades light gray below 3.0'		0.5 P	
grades sandier below 5.0'	-5	0.3 P	23
A-7-6 576.4			
Boring Terminated @ 6.0'.			
	-10		
	-15		
	-20		
	-25		
	-30		
	-35		
	-40		
	-45		

N-Standard Penetration Test-Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140 No. hammer falling 30".

Qu-Unconfined Compressive Strength - t/sf

w - Water Content - percentage of oven dry weight-%.

Type failure:
B - Bulge Failure
S - Shear Failure
E - Estimated Value
P - Penetrometer

BD 137 (Rev. 4-78) 7-79

Illinois Department of Transportation

Sh. 1 of 1 Sh.

PROJECT P-92-096-84 Date 12-19-86

ROUTE FAU 5822 Milan Beltway Bored By D & G Drilling, Inc.

SEC. 1-3 STA. 412+00 Checked By JZ/CB

COUNTY Rock Island

Boring No. B-65
Station 412+00
Offset 11'R

Surface Water El. ____
Groundwater El. at Completion Dry
After ____ Hours

Elevation	N	Qu t/s.f.	w (%)
Ground Surface 585.4	0		
SILTY CLAY LOAM: dark gray; very soft		<0.2 P	24
A-7-6(20) 581.4			
SILTY LOAM: light gray/brown; soft, loose	-5		23
A-4 579.4			25
Boring Terminated @ 6.0'.			
	-10		
	-15		
	-20		
	-25		
	-30		
	-35		
	-40		
	-45		

N-Standard Penetration Test-Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140 No. hammer falling 30".

Qu-Unconfined Compressive Strength - t/sf

w - Water Content - percentage of oven dry weight-%.

Type failure:
B - Bulge Failure
S - Shear Failure
E - Estimated Value
P - Penetrometer

BD 137 (Rev. 4-78) 7-80

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	304
STA.		TO STA.		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

BORING LOGS

Illinois Department of Transportation

Sh. 1 of 1 Sh.

PROJECT P-92-096-84 Date 12-19-86

ROUTE FAU 5822 Milan Beltway Bored By D & G Drilling, Inc.

SEC. 1-3 STA. 414+70 Checked By JZ/CB

COUNTY Rock Island

Boring No. B-66
Station 414+70
Offset 10'R

Surface Water El. _____
Groundwater El. at Completion Dry
After _____ Hours _____

Ground Surface 584.5	Elevation	N	Qu t/s.f.	w (%)
SILTY CLAY LOAM: dark gray; stiff	0		1.75 P	24
grades brown below 1.8'				
A-7-6 581.0			.75 P	24
CLAY LOAM: gray & brown mottled; trace gravel A-6 580.0	-5		1.0 E	25
SILTY LOAM: gray; stiff A-4 578.5				
Boring Terminated @ 6.0'	-10			
	-15			
	-20			
	-25			
	-30			
	-35			
	-40			
	-45			

N-Standard Penetration Test-Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140 No. hammer falling 30".

Qu-Unconfined Compressive Strength - t/sf

w - Water Content - percentage of oven dry weight-%.

Type failure:
B - Bulge Failure
S - Shear Failure
E - Estimated Value
P - Penetrometer

BD 137 (Rev. 4-78)

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Illinois Department of Transportation

Sh. 1 of 1 Sh.

PROJECT P-92-096-84 Date 12-19-86

ROUTE FAU 5822 Milan Beltway Bored By D & G Drilling, Inc.

SEC. 1-3 STA. 1149+00 52nd Ave. Checked By JZ/CB

COUNTY Rock Island

Boring No. B-67
Station 1149+00
Offset 15'R

Surface Water El. _____
Groundwater El. at Completion Dry
After _____ Hours _____

Ground Surface 585.5	Elevation	N	Qu t/s.f.	w (%)
SILTY LOAM FILL: some gravel; gray/brown; medium stiff	0		1.0 P	18
			0.75 P	
A-4 582.0				
SILTY LOAM/SILTY CLAY LOAM: gray/brown; medium stiff	-5		0.5 P	27
A-4 to A-6 579.5				
Boring Terminated @ 6.0'	-10			
	-15			
	-20			
	-25			
	-30			
	-35			
	-40			
	-45			

N-Standard Penetration Test-Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140 No. hammer falling 30".

Qu-Unconfined Compressive Strength - t/sf

w - Water Content - percentage of oven dry weight-%.

Type failure:
B - Bulge Failure
S - Shear Failure
E - Estimated Value
P - Penetrometer

BD 137 (Rev. 4-78)

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Illinois Department of Transportation

Sh. 1 of 1 Sh.

PROJECT P-92-096-84 Date 12-19-86

ROUTE FAU 5822 Milan Beltway Bored By D & G Drilling, Inc.

SEC. 1-3 STA. 1152+20 52nd Ave. Checked By JZ/CB

COUNTY Rock Island

Boring No. B-68
Station 1152+20
Offset 110'L

Surface Water El. _____
Groundwater El. at Completion Dry
After _____ Hours _____

Ground Surface 584.0	Elevation	N	Qu t/s.f.	w (%)
SILTY CLAY LOAM FILL: little gravel; stiff	0		2.0 P	19
			1.5 P	
A-6 580.5			1.3 P	
CLAY LOAM (POSSIBLE FILL): trace gravel; medium stiff to stiff A-6 578.0	-5		0.8 P	18
Boring Terminated @ 6.0'	-10			
	-15			
	-20			
	-25			
	-30			
	-35			
	-40			
	-45			

N-Standard Penetration Test-Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140 No. hammer falling 30".

Qu-Unconfined Compressive Strength - t/sf

w - Water Content - percentage of oven dry weight-%.

Type failure:
B - Bulge Failure
S - Shear Failure
E - Estimated Value
P - Penetrometer

BD 137 (Rev. 4-78)

7-83

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	305
STA.		TO STA.		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

BORING LOGS

Illinois Department of Transportation

Sh. 1 of 1 Sh.

PROJECT P-92-096-84 Date 12-21-86

ROUTE FAU 5822 Milan Beltway Bored By D & G Drilling, Inc.

SEC. 1-3 STA. 1155+00 52nd Ave. Checked By JZ/CB

COUNTY Rock Island

Boring No. B-69
Station 1155+00
Offset 59'R

Surface Water El. N/A
Groundwater El. at Completion 573.0
After _____ Hours _____

Elevation	N	Qu t/s.f.	w (%)
Ground Surface 578.0			
SILTY CLAY LOAM: dark gray; medium stiff			
A-6 575.0	7	0.8 P	23
SILTY LOAM: gray/brown; medium stiff			
A-4 572.5 ▼	7	1.5 B	23
SANDY LOAM: trace gravel; soft, loose; wet			
A-4 570.0	6	0.5 B	23
SILTY LOAM: brown and gray mottled; medium stiff; wet	3	0.5 P	30
grades stiff	5	1.4 B	27
A-4 565.0			
SANDY LOAM: brown and gray mottled; soft to medium stiff; wet			
A-4 563.1	9	.85 B	30
CLAY SHALE: black; Thin Laminae; Fissile			
560.5	69	8.6 S	13
Boring Terminated A 17.5'.			

N-Standard Penetration Test-Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140 No. hammer falling 30".

Qu-Unconfined Compressive Strength - t/sf

w - Water Content - percentage of oven dry weight-%.

Type failure:
B - Bulge Failure
S - Shear Failure
E - Estimated Value
P - Penetrometer

BD 137 (Rev. 4-78)

7-84

Illinois Department of Transportation

Sh. 1 of 1 Sh.

PROJECT P-92-096-84 Date 12-21-86

ROUTE FAU 5822 Milan Beltway Bored By D & G Drilling, Inc.

SEC. 1-3 STA. 1155+00 52nd Ave. Checked By JZ/CB

COUNTY Rock Island

Boring No. B-70
Station 1155+00
Offset 60'L

Surface Water El. N/A
Groundwater El. at Completion 572.0
After _____ Hours _____

Elevation	N	Qu t/s.f.	w (%)
Ground Surface 578.0			
SILTY CLAY LOAM: dark gray; stiff			
A-6 575.0	7	1.55 B	23
SILTY LOAM: gray/brown; stiff to medium stiff			
A-4 572.5	7	1.09 S	23
SANDY LOAM: trace gravel; gray/brown; medium stiff ▼			
A-4 570.0	3	0.5 B-S	18
SILTY LOAM: light gray and brown mottled; medium stiff	5	0.78 B	28
A-4 567.0			
CLAY SHALE: black; Thin Laminae; Fissile	55		15
566.0			
Boring Terminated @ 12.0'			

N-Standard Penetration Test-Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140 No. hammer falling 30".

Qu-Unconfined Compressive Strength - t/sf

w - Water Content - percentage of oven dry weight-%.

Type failure:
B - Bulge Failure
S - Shear Failure
E - Estimated Value
P - Penetrometer

BD 137 (Rev. 4-78)

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Illinois Department of Transportation

Sh. 1 of 1 Sh.

PROJECT P-92-096-84 Date 12-21-86

ROUTE FAU 5822 Milan Beltway Bored By D & G Drilling, Inc.

SEC. 1-3 STA. 1156+75 Checked By JZ/CB

COUNTY Rock Island

Boring No. B-71
Station 1156+75
Offset 22' R

Surface Water El. N/A
Groundwater El. at Completion 572.1
After _____ Hours _____

Elevation	N	Qu t/s.f.	w (%)
Ground Surface 575.1			
SILTY LOAM: light brown and gray mottled; soft to medium stiff			
wet below 2.5' ▼	4	0.85 B	24
	3	<0.2 P	33
	4	0.34 B	27
A-4 to A-6 564.6	4	0.34 B	29
SILT: gray; loose; trace organics; no odor	4	0.58 B	26
A-4 560.2	14		22
CLAY SHALE: black; Thin Laminae; Fissile	50-3"		8
559.6			
CLAY SHALE: light gray/green; Fissile; chaotic bedding			
558.3			
Boring Terminated @ 16.8'			

N-Standard Penetration Test-Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140 No. hammer falling 30".

Qu-Unconfined Compressive Strength - t/sf

w - Water Content - percentage of oven dry weight-%.

Type failure:
B - Bulge Failure
S - Shear Failure
E - Estimated Value
P - Penetrometer

BD 137 (Rev. 4-78)

7-86

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	306
STA.		TO STA.		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

BORING LOGS

Illinois Department of Transportation

Sh. 1 of 1 Sh.

PROJECT P-92-096-84 Date 12-17-86

ROUTE FAU 5822 Milan Beltway Bored By D & G Drilling, Inc.

SEC. 1-3 STA. 1162+00 52nd Ave. Checked By JZ/CB

COUNTY Rock Island

Boring No. B-72
Station 1162+00
Offset CL

Surface Water El. N/A
Groundwater El. at Completion 569.2
After ____ Hours

Elevation	N	Qu t/s.f.	w (%)	Description
571.2				Ground Surface
				SILTY CLAY LOAM: dark gray; medium stiff
	6	1.0 P	26	
	4	0.97 B	32	
565.7				A-7-6
	2	<0.2 P	26	SILTY LOAM: brown; soft, loose; few clayey lenses
				grades sandier below 8.5'
560.7	8			A-4 to A-6
				SILT: gray; soft, loose; trace organics; Laminated
	5	0.31 B	33	
	2	0.3 P	33	
	3		39	
	2	<0.2 P	33	
	2	<0.2 P	33	
546.2				SILT: gray; soft, loose; trace organics; Laminated
	4		34	
543.2				A-4
	41		-	SAND AND GRAVEL: gray; dense
541.9	50/4"			A-1-b
				CLAY SHALE: black; Fissile
				Boring Terminated @ 29.3'.

N-Standard Penetration Test-Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140 No. hammer falling 30".

Qu-Unconfined Compressive Strength - t/sf

w - Water Content - percentage of oven dry weight-%.

Type failure:
B - Bulge Failure
S - Shear Failure
E - Estimated Value
P - Penetrometer

BD 137 (Rev. 4-78)

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Illinois Department of Transportation

Sh. 1 of 1 Sh.

PROJECT P-92-096-84 Date 12-21-86

ROUTE FAU 5822 Milan Beltway Bored By D & G Drilling, Inc.

SEC. 1-3 STA. 1164+41 52nd Ave. Checked By JZ/CB

COUNTY Rock Island

Boring No. B-73
Station 1164+41
Offset 50'L

Surface Water El. ____
Groundwater El. at Completion 566.2
After ____ Hours

Elevation	N	Qu t/s.f.	w (%)	Description
570.2				Ground Surface
				SILTY CLAY LOAM: dark gray; stiff
	7	1.1 P	23	
565.8				A-7-6
	4	0.5 B	31	SILTY LOAM: light brown and gray mottled; medium stiff to soft; wet
563.0				A-4 /A-6
	2	0.7 B	30	SAND: some gravel; brown; loose
560.7				A-3
	2		27	SILT: gray; loose; trace organics; no odor; Laminated
	2	0.23 B	30	
	2	<0.2 P	33	
	3	<0.2 P	32	
	9	<0.2 P	36	
548.6				A-4
				SAND
				SAND: gray; medium dense
	13		30	
544.7				A-3
	59		7	
				CLAY SHALE: black; Thin Laminae; Fissile
	50/4"		17	
543.4				Boring Terminated @ 26.9'.

N-Standard Penetration Test-Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140 No. hammer falling 30".

Qu-Unconfined Compressive Strength - t/sf

w - Water Content - percentage of oven dry weight-%.

Type failure:
B - Bulge Failure
S - Shear Failure
E - Estimated Value
P - Penetrometer

BD 137 (Rev. 4-78)

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Illinois Department of Transportation

Sh. 1 of 1 Sh.

PROJECT P-92-096-84 Date 12-20-86

ROUTE FAU 5822 Milan Beltway Bored By D & G Drilling, Inc.

SEC. 1-3 STA. 1164+41 52nd Ave. (Ramp 3 & 4) Checked By JZ/CB

COUNTY Rock Island

Boring No. B-74
Station 1164+41
Offset 240'R

Surface Water El. N/A
Groundwater El. at Completion 567.8
After ____ Hours

Elevation	N	Qu t/s.f.	w (%)	Description
570.2				Ground Surface
				SILTY CLAY LOAM: dark gray; medium stiff
				grades gray/brown below 1.5'
	4	0.5 P	27	
	2	0.47 S	30	
562.2				A-7-6
	4	0.58 B	25	
				SILT: gray; loose; trace organics; no odor; Laminated
	5		27	
	2		39	
	2		34	
	8		30	
				Limestone Cobble @ 21.2 to 21.3'
	5		24	
548.2				A-4
	47		15	
				SAND: some gravel; gray; dense
	30/6"			
545.7	36/6"		13	A-3
				CLAY SHALE: black; Thinly Laminated; Fissile
545.2				
				Boring Terminated @ 25.0'.

N-Standard Penetration Test-Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140 No. hammer falling 30".

Qu-Unconfined Compressive Strength - t/sf

w - Water Content - percentage of oven dry weight-%.

Type failure:
B - Bulge Failure
S - Shear Failure
E - Estimated Value
P - Penetrometer

BD 137 (Rev. 4-78)

7-89

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	307
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

BORING LOGS

Illinois Department of Transportation

Sh. 1 of 1 Sh.

PROJECT P-92-096-84 Date 12-20-86

ROUTE FAU 5822 Milan Beltway Bored By D & G Drilling, Inc.

SEC. 1-3 STA. 1164+41 52nd Ave. (Ramp 3 & 4) Checked By JZ/CB

COUNTY Rock Island

Boring No. B-74A
Station 1164+41
Offset 360'R

Surface Water El.
Groundwater El. at Completion 567.2
After ___ Hours

Elevation	N	Qu t/s.f.	w (%)	Description
Ground Surface 570.2	0			
				SILTY CLAY LOAM: dark gray; stiff
	7	1.5 P		grades gray/brown mottled below 3.0'
-5	5	1.36 S	25	
A-6 564.2				
	4	<0.2 P	28	SILTY LOAM: brown; soft, loose
A-4 562.2				
				SILT: gray; loose, soft; trace organics; no odor; Laminated
-10	9	0.5 P	26	
	2	<0.2 P	35	
-15	5	<0.2 P	31	
	11		27	
A-4 551.4				
	32		23	SAND: gray; dense; some gravel below 21.0'
	27		9	

Elevation	N	Qu t/s.f.	w (%)	Description
				SAND: gray; dense
	27			
A-3 547.7				
-25	50/5"		14	CLAY SHALE: black; Thin Laminae; Fissile
545.3				Boring Terminated @ 25.0'.
-30				
-35				
-40				
-45				

N-Standard Penetration Test-Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140 No. hammer falling 30".

Qu-Unconfined Compressive Strength - t/sf

w - Water Content - percentage of oven dry weight-%.

Type failure:
B - Bulge Failure
S - Shear Failure
E - Estimated Value
P - Penetrometer

BD 137 (Rev. 4-78) 7-90

Illinois Department of Transportation

Sh. 1 of 1 Sh.

PROJECT P-92-096-84 Date 12-19-86

ROUTE FAU 5822 Milan Beltway Bored By D & G Drilling, Inc.

SEC. 1-3 STA. 7+00 3rd St. Checked By JZ/CB

COUNTY Rock Island

Boring No. B-75
Station 7+00
Offset @ CL

Surface Water El. N/A
Groundwater El. at Completion 566.2
After ___ Hours

Elevation	N	Qu t/s.f.	w (%)	Description
Ground Surface 571.0	0			
		1.5 P	26	SILTY CLAY LOAM FILL: little to some gravel; brown and dark gray mottled; stiff to medium stiff
		1.0 P		
-5		0.5 P	31	
A-6 565.0				
				Boring Terminated @ 6.0'.
-10				
-15				
-20				
-25				
-30				
-35				
-40				
-45				

N-Standard Penetration Test-Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140 No. hammer falling 30".

Qu-Unconfined Compressive Strength - t/sf

w - Water Content - percentage of oven dry weight-%.

Type failure:
B - Bulge Failure
S - Shear Failure
E - Estimated Value
P - Penetrometer

BD 137 (Rev. 4-78) 7-91

Illinois Department of Transportation

Sh. 1 of 1 Sh.

PROJECT P-92-096-84 Date 12-22-86

ROUTE FAU 5822 Milan Beltway Bored By D & G Drilling, Inc.

SEC. 1-3 STA. 1165+20 52nd Ave. Checked By JZ/CB

COUNTY Rock Island

Boring No. B-76
Station 1165+20
Offset 55'L

Surface Water El. N/A
Groundwater El. at Completion 566.1
After ___ Hours

Elevation	N	Qu t/s.f.	w (%)	Description
Ground Surface 571.1	0			
				SILTY CLAY LOAM: dark gray; stiff
A-7-6 568.1	14	1.3 P	27	
				SILTY LOAM: light gray and brown mottled; stiff
-5	6	1.94 B	26	grades soft below 5.0'
	2	0.23 B	31	
A-4/A-6 560.6				
-10	3	<0.2 P	29	SILT: gray; very soft, loose
	3	0.31 B	32	
-15	3		32	
	2		25	
A-4 551.1 -20	5			GRAVEL AND SAND: gray; loose
	6		28	

Elevation	N	Qu t/s.f.	w (%)	Description
				GRAVEL AND SAND: gray; loose
A-1-b 548.1	6			
				SAND: gray; medium dense
-25	12		28	
	58		22	
A-3 541.4				
-30	90		16	CLAY SHALE: dark gray; Thin Laminae; Fissile
541.1				Boring Terminated @ 30.0'.
-35				
-40				
-45				

N-Standard Penetration Test-Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140 No. hammer falling 30".

Qu-Unconfined Compressive Strength - t/sf

w - Water Content - percentage of oven dry weight-%.

Type failure:
B - Bulge Failure
S - Shear Failure
E - Estimated Value
P - Penetrometer

BD 137 (Rev. 4-78) 7-92

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	308
STA.		TO STA.		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

BORING LOGS

Illinois Department of Transportation

Sh. 1 of 1 Sh.

PROJECT P-92-096-84 Date 12-22-86

ROUTE FAU 5822 Milan Beltway Bored By D & G Drilling, Inc.

SEC. 1-3 STA. 1167+20 52nd Ave. Checked By JZ/CB

COUNTY Rock Island

Boring No. B-77
Station 1167+20
Offset 50'L

Surface Water El. N/A
Groundwater El. at Completion 564.1
After _____ Hours _____

Elevation	N	Qu t/s.f.	w (%)
Ground Surface 569.6			
SILTY CLAY LOAM: dark gray to black; stiff to medium stiff	11	3.5 P	22
grades brown/gray below 3.0'			
A-7-6 564.1	5	0.85 B	26
SILTY LOAM: light gray and brown mottled; medium/loose	3	0.54 B	27
A-4 560.6			
SANDY LOAM: little gravel; loose; brown iron staining	3		24
A-4 559.1			
SAND: dark gray; loose; some organics with no odor; no organics below 13.0'	3		52
	14		27
	9		26
some gravel below 20.0'	27		25
A-3 547.6			
CLAY SHALE			

Elevation	N	Qu t/s.f.	w (%)
CLAY SHALE: dark gray to black; Fissile; Thin Laminae	69		16
547.1			
Boring Terminated @ 22.5'.			

N-Standard Penetration Test-Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140 No. hammer falling 30".

Qu-Unconfined Compressive Strength - t/sf

w - Water Content - percentage of oven dry weight-%.

Type failure:
B - Bulge Failure
S - Shear Failure
E - Estimated Value
P - Penetrometer

BD 137 (Rev 4-78)

7-93

Illinois Department of Transportation

Sh. 1 of 1 Sh.

PROJECT P-92-096-84 Date 12-17-86

ROUTE FAU 5822 Milan Beltway Bored By D & G Drilling, Inc.

SEC. 1-3 STA. 1169+55 52nd Ave. Checked By JZ/CB

COUNTY Rock Island

Boring No. B-78
Station 1169+55
Offset 20'R

Surface Water El. _____
Groundwater El. at Completion Dry
After _____ Hours _____

Elevation	N	Qu t/s.f.	w (%)
Ground Surface 570.0			
CLAY LOAM FILL: trace gravel; brown; stiff		1.5 P	15
A-6 567.0			
SILTY CLAY LOAM: brown and gray mottled; medium stiff		0.7 P	24
A-7-6 564.0			
Boring Terminated @ 6.0'			

N-Standard Penetration Test-Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140 No. hammer falling 30".

Qu-Unconfined Compressive Strength - t/sf

w - Water Content - percentage of oven dry weight-%.

Type failure:
B - Bulge Failure
S - Shear Failure
E - Estimated Value
P - Penetrometer

BD 137 (Rev. 4-78)

7-94

Illinois Department of Transportation

Sh. 1 of 1 Sh.

PROJECT P-92-096-84 Date 12-21-86

ROUTE FAU 5822 Milan Beltway Bored By D & G Drilling, Inc.

SEC. 1-3 STA. 66+40 Blackhawk Road Checked By JZ/CB

COUNTY Rock Island

Boring No. B-79
Station 66+40
Offset @ CL

Surface Water El. _____
Groundwater El. at Completion 582.5
After _____ Hours _____

Elevation	N	Qu t/s.f.	w (%)
Ground Surface 589.5			
SILTY LOAM: dark brown; loose, stiff	9	1.3 P	20
	9	1.55 B	20
A-4 582.2			
SANDY LOAM AND GRAVEL: brown; medium dense	10	1.13 B	22
A-1-b 580.0			17
SILTY CLAY LOAM: light gray and brown mottled; v. stiff	11	2.79 B	16
A-7-6 578.3			
SILTY CLAY LOAM: trace gravel; dark gray; very stiff to hard	19	2.95 S	18
A-7-6 575.2			
LIMESTONE: light gray	50/4"	6.63 S	22
575.0			
Boring Terminated @ 14.5'. (Auger Refusal)			

N-Standard Penetration Test-Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140 No. hammer falling 30".

Qu-Unconfined Compressive Strength - t/sf

w - Water Content - percentage of oven dry weight-%.

Type failure:
B - Bulge Failure
S - Shear Failure
E - Estimated Value
P - Penetrometer

BD 137 (Rev. 4-78)

7-95

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	309
STA.		TO STA.		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

BORING LOGS

Illinois Department of Transportation

Sh. 1 of 1 Sh.

PROJECT P-92-096-84 Date 12-29-86

ROUTE FAU 5822 Milan Beltway Bored By D & G Drilling, Inc.

SEC. 1-3 STA. 61+00 Blackhawk Road Checked By JZ/CB

COUNTY Rock Island

Boring No. B-80
Station 61+00
Offset 20'L

Surface Water El.
Groundwater El. at Completion Dry
After ___ Hours ___

Elevation	N	Qu t/s.f.	w (%)
Ground Surface 587.5	0			
SILTY LOAM FILL: gray and brown mottled; stiff to very stiff		2.5 P	18
A-4 to A-6 584.5		1.8 P	
SILTY CLAY LOAM: dark gray to black; stiff	-5	1.0 P	
A-6 581.5		1.0 P	27
Boring Terminated @ 6.0'.			

Elevation: -10, -15, -20, -25, -30, -35, -40, -45

N-Standard Penetration Test-Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140 No. hammer falling 30".

Qu-Unconfined Compressive Strength - t/s.f.

w - Water Content - percentage of oven dry weight-%.

Type failure:
B - Bulge Failure
S - Shear Failure
E - Estimated Value
P - Penetrometer

BD 137 (Rev. 4-78) 7-96

Illinois Department of Transportation

Sh. 1 of 1 Sh.

PROJECT P-92-096-84 BRIDGE Rock River Crossing Date 12-11-86

ROUTE FAU 5822 Milan Beltway Bored By D & G Drilling, Inc.

SEC. 1-3 STA. 364+40 Checked By JZ/CB

COUNTY Rock Island

Boring No. S-44
Station 364+40
Offset 37'R

Surface Water El. 561.4
Groundwater El. at Completion 560.4
After ___ Hours ___

Elevation	N	Qu t/s.f.	w (%)
Ground Surface 562.4	0		
CLAY LOAM: dark gray; very soft; trace organics			
A-6 559.4	3	<.25 P	23
SAND: trace gravel; brown; loose	-5 6		
	6		
A-3 553.1			
CLAY SHALE: dark gray to black; weathered slightly; plastic; fine laminae	-10 29	5.9 S	16
	93/10"		16
	-15 50/4"		16
546.2	50/3"		13
Boring Terminated @ 16.2'			

Borings 45 and 46 Deleted.

Elevation: -25, -30, -35, -40, -45, -20

N-Standard Penetration Test-Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140 No. hammer falling 30".

Qu-Unconfined Compressive Strength - t/sf

w - Water Content - percentage of oven dry weight-%.

Type failure:
B - Bulge Failure
S - Shear Failure
E - Estimated Value
P - Penetrometer

BD 137 (Rev. 4-78) 7-43

Illinois Department of Transportation

Sh.1 of 1 Sh.

PROJECT P-92-096-84 BRIDGE Rock River Date 4/2/87

ROUTE FAU 5822 Milan Beltway Bored By ETI

SEC. 1-3 STA. 378+55 Checked By CB

COUNTY ___

Boring No. S-47
Station 378+55
Offset At ℄

Surface Water El. 563.0
Groundwater El. at Completion 563.0
After – Hours –

Elevation	N	Qu t/s.f.	w (%)
Ground Surface 562.0	0		
ORGANIC SILT & CLAY: very soft; saturated	2	N/A	
A-4/A-8	-5 4	N/A	53
ORGANIC CLAY: trace silt; very soft trace shells below 7.0'	7	<0.2 P	41
A-6 554.5			
ORGANIC SILT: trace clay & shells			
A-4 553.0	-10 6		36
ORGANIC SILTY SAND: dark greenish gray; loose			
A-3/A-8 551.5	11		
SAND: brown; medium dense	18		
grades trace gravel below 13.0'	-15 43/6"		
A-3 547.5	62/6"		
SHALE; dark gray; finely laminated; weathered 546.5			
Boring Terminated at 15.5'			

Ponded Water @ Surface

Borings 45 and 46 Deleted.

Elevation: -25, -30, -35, -40, -45, -20

N-Standard Penetration Test-Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140 No. hammer falling 30".

Qu-Unconfined Compressive Strength - t/sf

w - Water Content - percentage of oven dry weight-%.

Type failure:
B - Bulge Failure
S - Shear Failure
E - Estimated Value
P - Penetrometer

BD 137 (Rev. 4-78) 7-62

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	310
STA.		TO STA.		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

BORING LOGS

Illinois Department of Transportation

Sh. 1 of 1 Sh.

PROJECT P-92-096-84 BRIDGE Beltway Overpass Date 12-17-86

ROUTE FAU 5822 Milan Beltway Bored By D & G Drilling, Inc.

SEC. 1-3 STA. 1160+00, 52nd Ave. Checked By JZ/CB

COUNTY Rock Island

Boring No. S-57
Station 1160+00
Offset CL

Surface Water El. N/A
Groundwater El. at Completion 568.0
After _ Hours _

Elevation	N	Qu t/s.f.	w (%)
Ground Surface 573.5	0		
SILTY CLAY LOAM: dark gray; medium stiff A-7-6 572.0			
SILTY LOAM: light brown and gray mottled; very soft	4	0.5 P	28
▼ -5	2	0.4 B	27
A-4 to A-6 566.8			
SAND: rusty brown; loose A-3 565.5	2		
SILTY LOAM: light brown and gray mottled; soft	5	0.3 P	26
-10	4	0.4 B	32
A-4 to A-6 560.5			
SILT: gray; soft; very loose; Laminated; trace organics	3		39
-15			
	3	0.3 B	37
-20	2	0.35 B	34

Elevation	N	Qu t/s.f.	w (%)
SILT: gray; soft; very loose; Laminated; trace organics	3	0.4 B	34
-25	2	0.2 B	31
A-4 548.0			
SAND AND GRAVEL: gray; dense	45		
A-1-b 545.5			
CLAY SHALE: black; Thin Laminae; Fissile			
-30	50/3"		15
539.3			
	50/3"		
Boring Terminated @ 34.2'.			
-35	50/2"		
-40			
-45			

N-Standard Penetration Test-Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140 No. hammer falling 30".

Qu-Unconfined Compressive Strength - t/sf

w - Water Content - percentage of oven dry weight-%.

Type failure:
B - Bulge Failure
S - Shear Failure
E - Estimated Value
P - Penetrometer

BD 137 (Rev. 4-78)

7-72

Illinois Department of Transportation

Sh. 1 of 1 Sh.

PROJECT P-92-096-84 BRIDGE Beltway Overpass Date 12-22-86

ROUTE FAU 5822 Milan Beltway Bored By D & G Drilling, Inc.

SEC. 1-3 STA. _ Checked By JZ/CB

COUNTY Rock Island

Boring No. S-58
Station 1158+50
Offset 10'R

Surface Water El. N/A
Groundwater El. at Completion 569.0
After _ Hours _

Elevation	N	Qu t/s.f.	w (%)
Ground Surface 574.5	0		
SILTY CLAY LOAM: dark gray; medium stiff; trace organics; A-7-6 572.6			
SILTY LOAM: light gray and brown mottled; medium stiff to soft	8	0.7 P	29
▼ -5	7	0.8 P	26
	*	0.24 B	
-10	4	0.4 B	31
	4	0.7 B	29
A-4 to A-6 560.5			
SANDY LOAM AND GRAVEL: brown; loose A-1-b 558.5	7		23
-15			
SILT: gray; very soft, loose; Laminated; trace organics No odor	3	<0.2 P	31
-20	3		33
A-4 552.8			

Elevation	N	Qu t/s.f.	w (%)
CLAY SHALE: dark gray to black; Thin Laminae; Fissile	50/3"	4.0 S	14
	50/4"		10
-25			
548.0	50/4"		12
Boring Terminated @ 26.5'.			
*Shelby Tube Sample 5.0' to 8.0 2.0' Recovery			
-30			
-35			
-40			
-45			

N-Standard Penetration Test-Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140 No. hammer falling 30".

Qu-Unconfined Compressive Strength - t/sf

w - Water Content - percentage of oven dry weight-%.

Type failure:
B - Bulge Failure
S - Shear Failure
E - Estimated Value
P - Penetrometer

BD 137 (Rev. 4-78)

7-73

Illinois Department of Transportation

Sh. 1 of 1 Sh.

PROJECT P-92-096-84 BRIDGE Beltway Overpass Date 12-18-86

ROUTE FAU 5822 Milan Beltway Bored By D & G Drilling, Inc.

SEC. 1-3 STA. 398+35 Checked By JZ/CB

COUNTY Rock Island

Boring No. S-59
Station 398+35
Offset 8'R

Surface Water El. N/A
Groundwater El. at Completion 570.7
After _ Hours _

Elevation	N	Qu t/s.f.	w (%)
Ground Surface 574.2	0		
SILTY CLAY LOAM: dark gray; medium stiff to soft A-7-6 571.2	6	0.5 P	28
SILTY LOAM: brown; medium stiff to soft	5	0.6 B	25
-5	3	0.7 B	28
-10	2	<0.2 P	31
	4	0.5 B	28
A-4 to A-6 561.2			
SILT: gray; very soft, loose; trace organics; no odor	3	0.4 B	32
sand lense at 16.3' to 18.0'	2		24
-20	3	0.3 P	
	2	<0.2 P	28

Elevation	N	Qu t/s.f.	w (%)
SILT: gray; very soft, loose; trace organics; no odor			
-25	2	0.2 B	33
A-4 548.7			
SAND AND GRAVEL: gray; medium dense to dense	39		
A-1-b 546.3			
CLAY SHALE: black; Thin Laminae, Fissile			
BEGIN CORING @ 30.0'	50/2"		14
-30			
Rock Core @ 30.0' to 40.0'			
RUN #1 @ 30.0' to 34.5' Recovery = 100% RQD = 100%			
RUN #2 @ 34.5' to 39.0' Recovery = 98% RQD = 47%			
RUN #3 @ 39.0' to 40.0' Recovery = 0% RQD = 0%			
-35			
534.2			
-40			
Boring Terminated @ 40.0'.			
-45			

N-Standard Penetration Test-Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140 No. hammer falling 30".

Qu-Unconfined Compressive Strength - t/sf

w - Water Content - percentage of oven dry weight-%.

Type failure:
B - Bulge Failure
S - Shear Failure
E - Estimated Value
P - Penetrometer

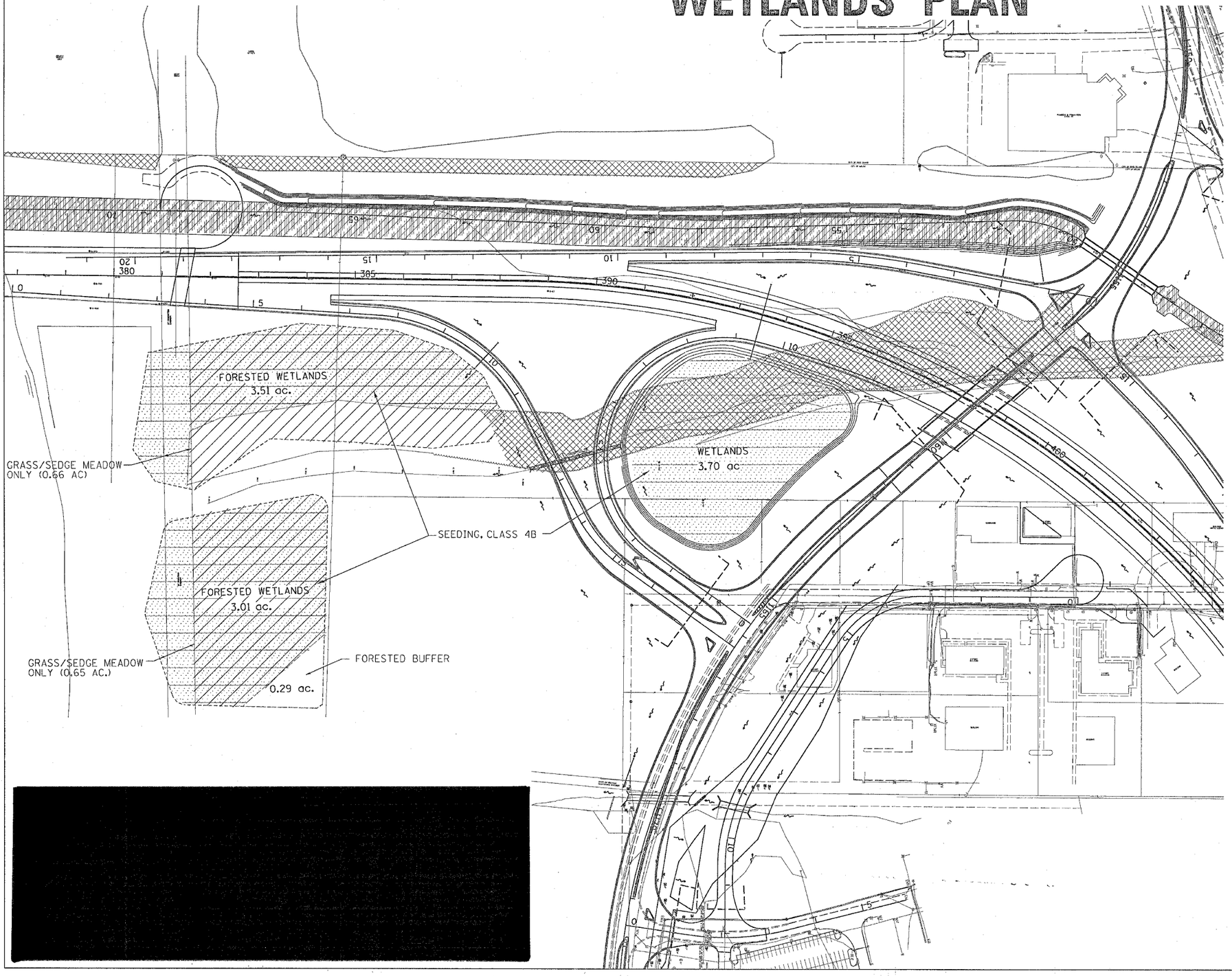
BD 137 (Rev. 4-78)

7-74

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	311
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

WETLANDS PLAN



REQUIRED FORESTED WETLAND MITIGATION AREAS

MILAN BELTWAY IMPROVEMENTS	±41.26 ACRES
I-74/280 WEIGH STATION	±1.80 ACRES
TOTAL AREA REQUIRED	±43.06 ACRES

NOTES:
1. NO TOP SOIL OR SPOIL MATERIAL SHALL BE PLACED IN THE DRIP LINE OF ADJACENT TREES.

2. THE CONTRACTOR WILL NOT PERFORM ANY WORK OUTSIDE THE CONSTRUCTION LIMITS UNLESS DIRECTED BY THE ENGINEER. OBTAINING PROPER EQUIPMENT AS NEEDED FOR CONDITIONS AT THE PROJECT SITE IS THE RESPONSIBILITY OF THE CONTRACTOR.

3. TOPSOIL EXCAVATION/PLACEMENT CALCULATED ASSUMES 6" OVER 6.2 ACRE AREA.

4. THIS CONSTRUCTION SITE IS COVERED BY AN NPDES GENERAL PERMIT FROM THE IEPA. CONTRACTOR IS REQUIRED TO COMPLY WITH ALL THE REQUIREMENTS OF THE GENERAL PERMIT AND THE EROSION CONTROL PLAN.

5. NO TREES SHALL BE PLANTED IN THE TRANSMITION LINE EASEMENT.

6. LAYOUT SHALL BE PERFORMED BY THE DISTRICT LANDSCAPE ARCHITECT.

7. MULCH SHALL BE HARDWOOD WOOD CHIPS, 5 FOOT WIDTH, 4 INCH THICK WITH WEED BARRIER FABRIC.

SCHEDULE OF QUANTITIES

CODE NO.	ITEM	QUANTITY	UNIT
20200100	EARTH EXCAVATION	25122	C.Y.
21101625	TOP SOIL FURNISH AND PLACE, 6"	17843	S.Y.
[redacted]			
25000350	SEEDING, CLASS 7	10.22	ACRE
[redacted]			

[redacted]

2 REVISED 3-3-05

WETLANDS PLAN

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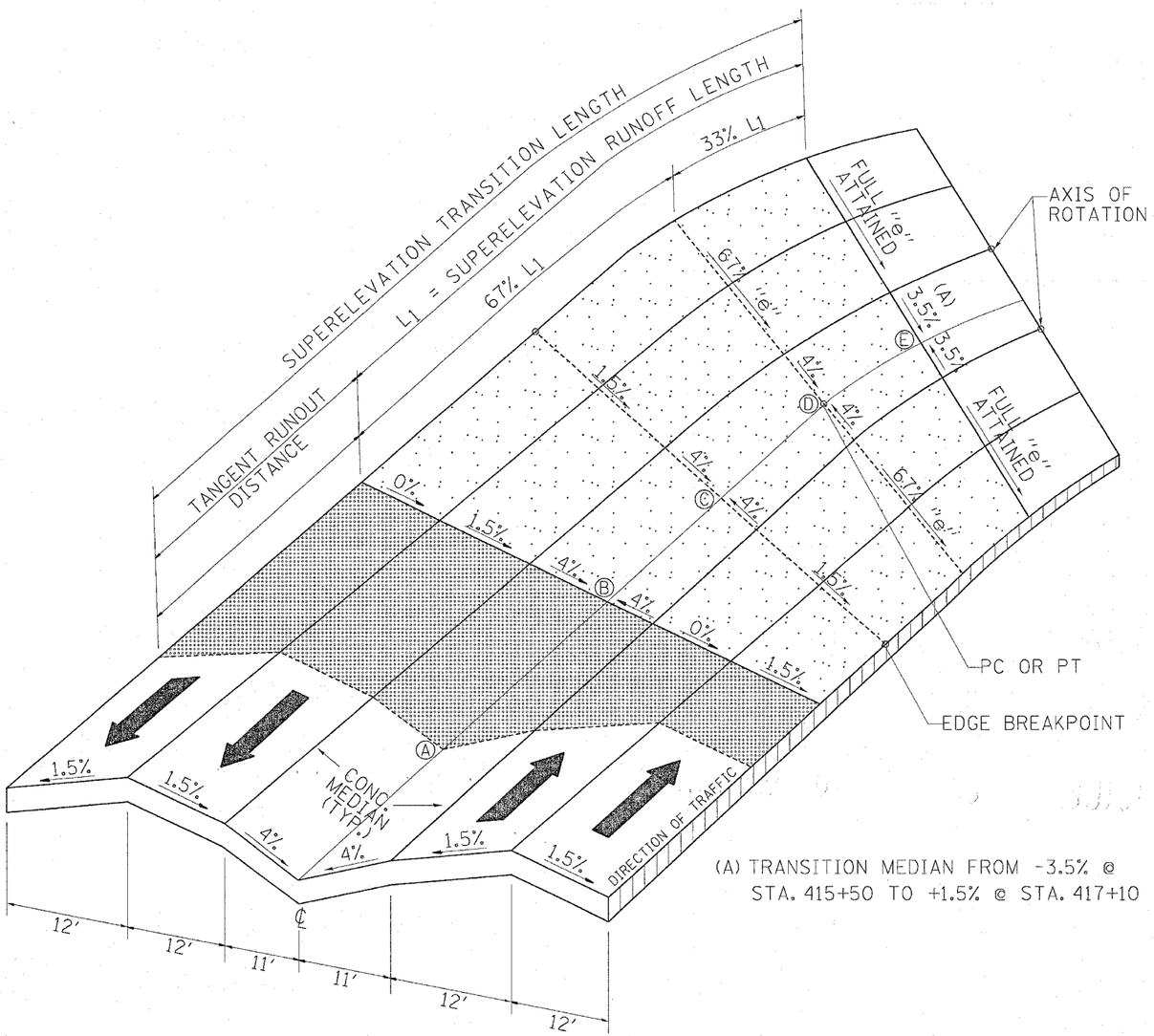
CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	313
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUPERELEVATION TRANSITION: FOUR-LANE HIGHWAY WITH MEDIAN (JOHN DEERE ROAD)
STA. 387+15.29 TO STA. 389+01.29
STA. 413+05.16 TO STA. 417+10.16

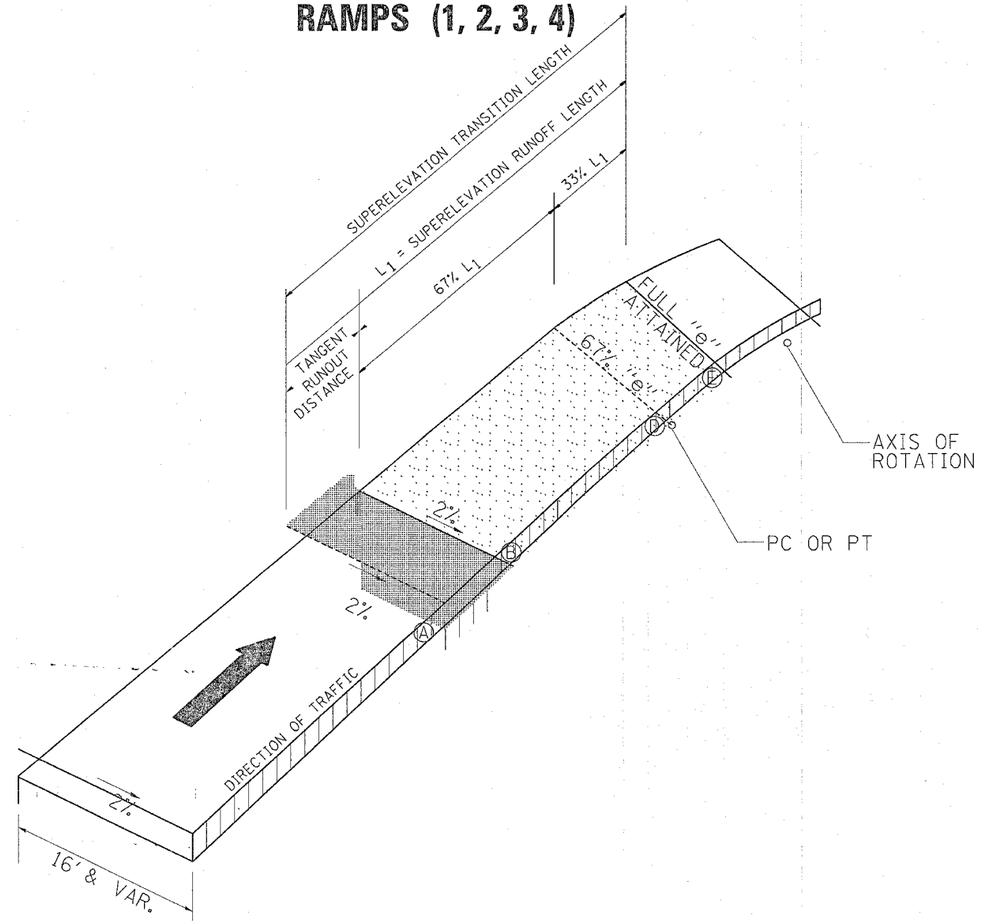


(A) TRANSITION MEDIAN FROM -3.5% @ STA. 415+50 TO +1.5% @ STA. 417+10

TRANSITION CURVE TABLE

	CURVE PI STA.	SUPERELEVATION "e"	SUPERELEVATION TRANSITION LENGTH	TANGENT RUNOUT DISTANCE	SUPERELEVATION RUNOFF LENGTH
P.C.	404+13.55	4.5%	186	36	150
P.T.	404+13.55	4.5%	315	90	225

SUPERELEVATION TRANSITION: MILAN BELTWAY RAMPS (1, 2, 3, 4)



TRANSITION CURVE TABLE

RAMP	CURVE PI STA.	SUPERELEVATION "e"	SUPERELEVATION TRANSITION LENGTH	TANGENT RUNOUT DISTANCE	SUPERELEVATION RUNOFF LENGTH
# 1	5+18.31	5.0%	225'	65'	150'
# 2	3+38.83	4.0%	186'	36'	160'
# 2	12+61.48	5.0%	225'	65'	160'
# 3*	9+64.85	8.0%	166'	N/A	166'
# 3*	14+52.62	8.0%	220'	45'	175'
# 4	N/A	8.0%	250'	50'	200'

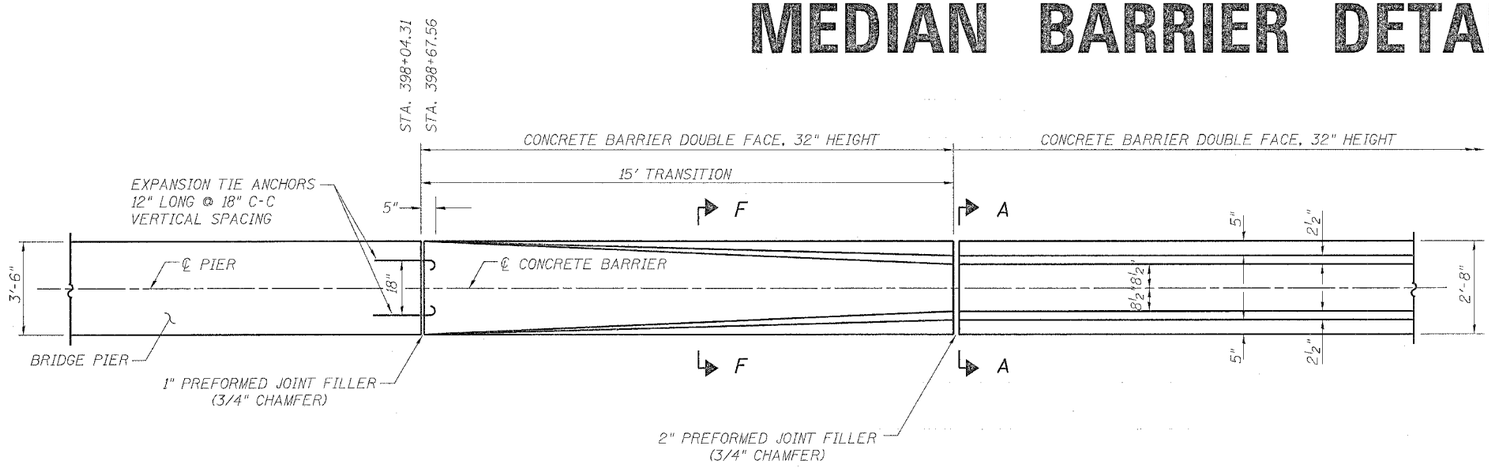
* Reverse Curve Superelevation Transition = 185.51'.

NOTE: ROUND ALL EDGE BREAKPOINTS IN FIELD
e = DESIGN SUPERELEVATION RATE

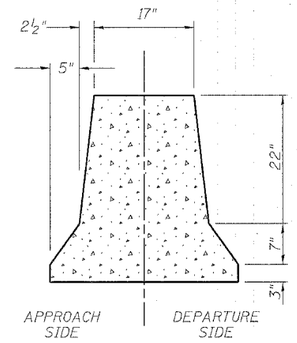
CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	314
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

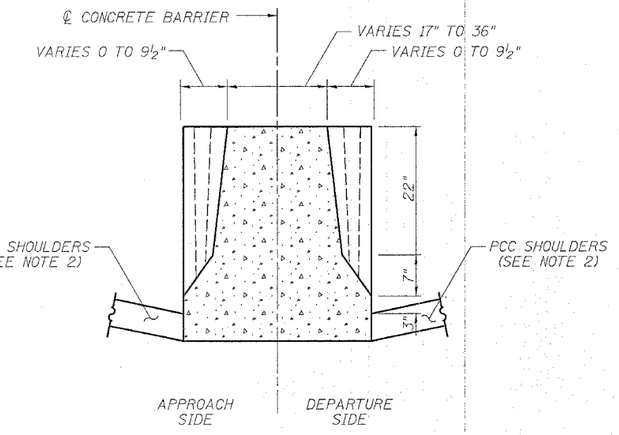
MEDIAN BARRIER DETAILS



PLAN



SECTION A-A



SECTION F-F

NOTES:

1) FOR ADDITIONAL CONCRETE BARRIER DETAILS SEE CONCRETE BARRIER TYPICAL SECTIONS SHEET AND STANDARD 637001

2) FOR ADDITIONAL SHOULDER DETAILS SEE SHOULDER DETAILS SHEE AND STANDARD.

3) FURNISHING AND INSTALLING THE PREFORMED JOINT FILLER OF THE SIZE SPECIFIED SHALL BE INCLUDED IN THE COST OF THE CONCRETE BARRIER OF THE TYPE INVOLVED

4) FURNISHING AND INSTALLING THE 12 EXPANSION TIE ANCHORS SHALL BE INCLUDED IN THE COST OF THE CONCRETE BARRIER OF THE TYPE INVOLVED

5) THE BARRIER TRANSITION SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE BID PER FOOT FOR CONCRETE BARRIER DOUBLE FACE, 32" HEIGHT

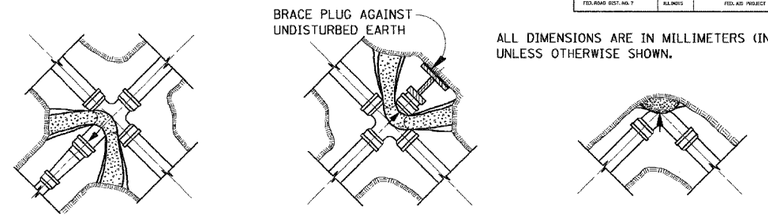
MEDIAN BARRIER TRANSITION
FAU ROUTE 5822 SECTION 1-3-K
ROCK ISLAND COUNTY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	315
STA.	TO STA.			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

DISTRICT STANDARDS

THRUST BLOCK DETAILS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA.	TO STA.			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		



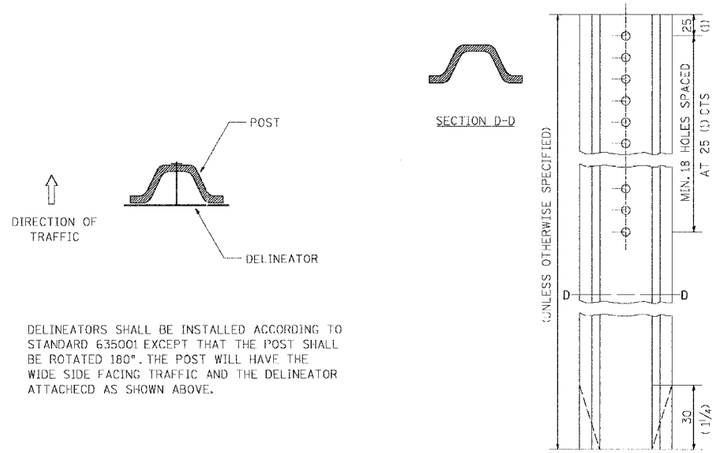
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.

NOTES:
ALL BLOCKS TO BEAR AGAINST UNDISTURBED EARTH.
ARROWS INDICATE DIRECTION OF THRUST.
ALL BLOCKS TO BE CLASS SI CONCRETE.
ALL FITTINGS SHOWN IN PLAN EXCEPT VERTICAL BEND.

REVISED 10/20/87 34.4

DELINEATOR AND POST ORIENTATION

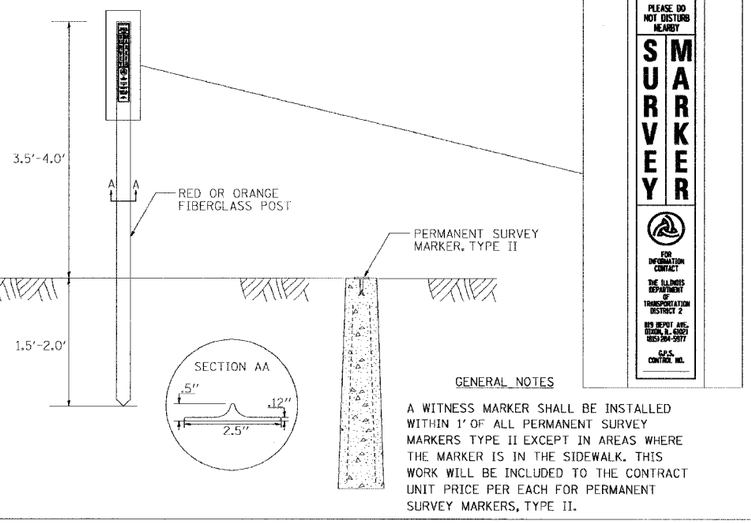
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



DELINEATORS SHALL BE INSTALLED ACCORDING TO STANDARD 635001 EXCEPT THAT THE POST SHALL BE ROTATED 180°. THE POST WILL HAVE THE WIDE SIDE FACING TRAFFIC AND THE DELINEATOR ATTACHECD AS SHOWN ABOVE.

DATE 1-31-00 37.4

WITNESS MARKER FOR PERMANENT SURVEY MARKERS TYPE II



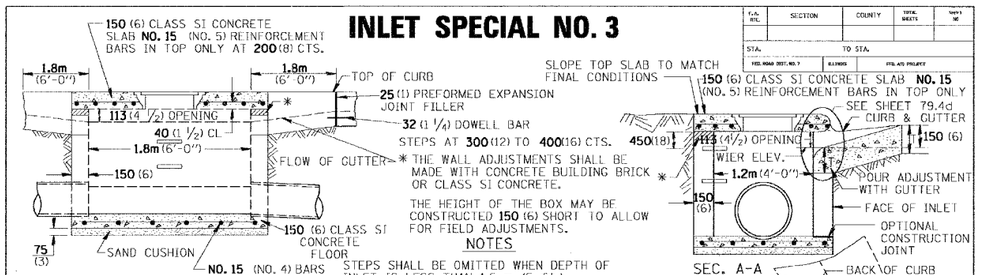
GENERAL NOTES

A WITNESS MARKER SHALL BE INSTALLED WITHIN 1' OF ALL PERMANENT SURVEY MARKERS TYPE II EXCEPT IN AREAS WHERE THE MARKER IS IN THE SIDEWALK. THIS WORK WILL BE INCLUDED TO THE CONTRACT UNIT PRICE PER EACH FOR PERMANENT SURVEY MARKERS, TYPE II.

1-31-00 38.4

INLET SPECIAL NO. 3

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA.	TO STA.			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		



* THE WALL ADJUSTMENTS SHALL BE MADE WITH CONCRETE BUILDING BRICK OR CLASS SI CONCRETE.

THE HEIGHT OF THE BOX MAY BE CONSTRUCTED 150 (6) SHORT TO ALLOW FOR FIELD ADJUSTMENTS.

NOTES

STEPS SHALL BE OMITTED WHEN DEPTH OF INLET IS LESS THAN 1.5 m (5 ft.)

THE INLET SHALL BE CAST IN PLACE OR PRECAST.

EXCEPT AS NOTED HEREON INLET SPECIAL NO. 3 SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 602 OF THE STANDARD SPECIFICATIONS.

THE CONTRACT UNIT PRICE EACH FOR INLET SPECIAL NO. 3 SHALL INCLUDE THE COST OF FURNISHING AND INSTALLING THE FRAME, LID, REINFORCEMENT BARS, FLOOR AND TOP SLABS, CAST IRON STEPS (IF USED).

THE CURB AND GUTTER WILL BE PAID FOR SEPARATELY AND WILL BE MEASURED THROUGH THE INLET.

THE CURB AND GUTTER ADJACENT TO AND 1.8m (6 FT) ON EITHER SIDE OF THE INLET SHALL BE CONSTRUCTED AS SHOWN WITH NO ADDITIONAL COMPENSATION FOR THE TRANSITION.

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

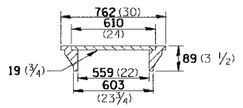
SEE STANDARD 602701 FOR DETAILS OF STEPS.

25 (1) PREFORMED EXPANSION JOINTS AS SHOWN SHALL BE PROVIDED ON EACH SIDE OF INLET.

CLASS SI CONCRETE OR PRECAST CONCRETE SHALL BE USED TROUGHOUT.

THE SIDE WALLS MAY BE BUILT AS PRECAST SEGMENTAL SECTIONS.

LIGHT WEIGHT MANHOLE CASTING



TOTAL WETGHT 73 KG. (160 LBS.)

** WHEN INLET IS CONSTRUCTED IN RETURN, THE TOP OF SLAB SHALL CONFORM TO THE RADIUS OF THE RETURN.

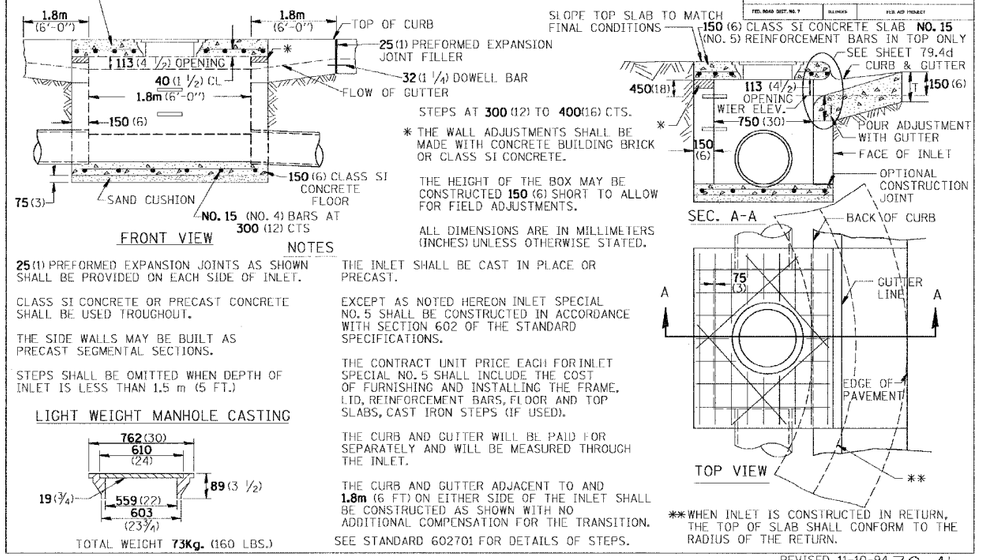
REVISED 11-10-94 79.4

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	316
STA.	TO STA.			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

DISTRICT STANDARDS

INLET SPECIAL NO. 5



STEPS AT 300 (12) TO 400 (16) CTS.

* THE WALL ADJUSTMENTS SHALL BE MADE WITH CONCRETE BUILDING BRICK OR CLASS SI CONCRETE.

THE HEIGHT OF THE BOX MAY BE CONSTRUCTED 150 (6) SHORT TO ALLOW FOR FIELD ADJUSTMENTS.

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

NOTES

25 (1) PREFORMED EXPANSION JOINTS AS SHOWN SHALL BE PROVIDED ON EACH SIDE OF INLET.

CLASS SI CONCRETE OR PRECAST CONCRETE SHALL BE USED TROUGHOUT.

THE SIDE WALLS MAY BE BUILT AS PRECAST SEGMENTAL SECTIONS.

STEPS SHALL BE OMITTED WHEN DEPTH OF INLET IS LESS THAN 1.5 m (5 FT.)

THE INLET SHALL BE CAST IN PLACE OR PRECAST.

EXCEPT AS NOTED HEREON INLET SPECIAL NO. 5 SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 602 OF THE STANDARD SPECIFICATIONS.

THE CONTRACT UNIT PRICE EACH FOR INLET SPECIAL NO. 5 SHALL INCLUDE THE COST OF FURNISHING AND INSTALLING THE FRAME, LID, REINFORCEMENT BARS, FLOOR AND TOP SLABS, CAST IRON STEPS (IF USED).

THE CURB AND GUTTER WILL BE PAID FOR SEPARATELY AND WILL BE MEASURED THROUGH THE INLET.

THE CURB AND GUTTER ADJACENT TO AND 1.8m (6 FT) ON EITHER SIDE OF THE INLET SHALL BE CONSTRUCTED AS SHOWN WITH NO ADDITIONAL COMPENSATION FOR THE TRANSITION.

SEE STANDARD 602701 FOR DETAILS OF STEPS.

** WHEN INLET IS CONSTRUCTED IN RETURN, THE TOP OF SLAB SHALL CONFORM TO THE RADIUS OF THE RETURN.

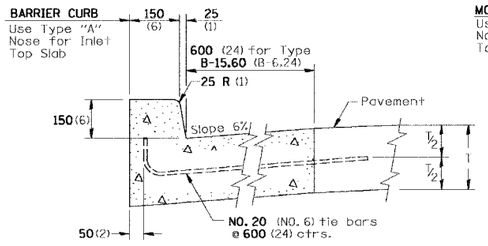
LIGHT WEIGHT MANHOLE CASTING

TOTAL WEICHT 73Kg. (160 LBS.)

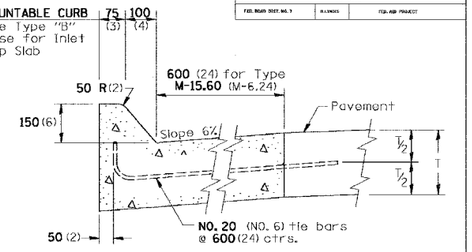
REVISED 11-10-94 79.4b

NOSE TYPE FOR INLET TOP SLAB

BARRIER CURB
Use Type "A" Nose for Inlet Top Slab

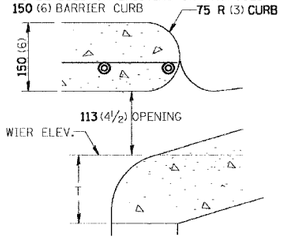


MOUNTABLE CURB
Use Type "B" Nose for Inlet Top Slab



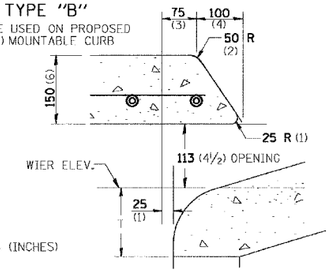
TYPE "A"

TO BE USED ON EXISTING OR PROPOSED 150 (6) BARRIER CURB



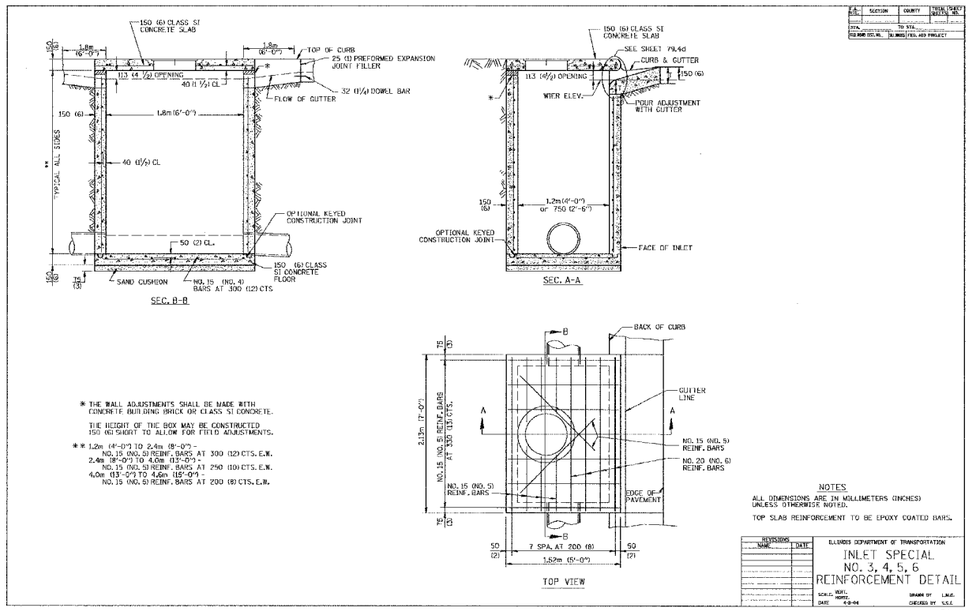
TYPE "B"

TO BE USED ON PROPOSED 150 (6) MOUNTABLE CURB



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

REVISED 2-14-95 79.4d



* THE WALL ADJUSTMENTS SHALL BE MADE WITH CONCRETE BUILDING BRICK OR CLASS SI CONCRETE.

THE HEIGHT OF THE BOX MAY BE CONSTRUCTED 150 (6) SHORT TO ALLOW FOR FIELD ADJUSTMENTS.

** 1.2m (4'-0") TO 2.4m (8'-0") - NO. 15 (NO. 5) REINF. BARS AT 300 (12) CTS. E.W.
2.4m (8'-0") TO 4.0m (13'-0") - NO. 15 (NO. 5) REINF. BARS AT 250 (10) CTS. E.W.
4.0m (13'-0") TO 4.6m (15'-0") - NO. 15 (NO. 5) REINF. BARS AT 200 (8) CTS. E.W.

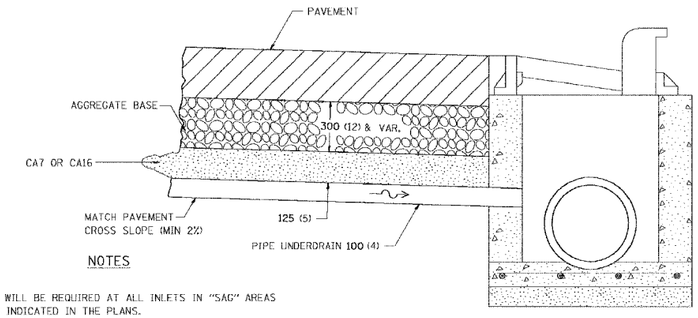
NOTES
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.
TOP SLAB REINFORCEMENT TO BE EPOXY COATED BARS.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
INLET SPECIAL NO. 3, 4, 5, 6 REINFORCEMENT DETAIL
SCALE: NONE
DATE 4-8-94
DRAWN BY L.M.K.
CHECKED BY S.S.S.

79.4e

DRAIN FOR AGGREGATE BASES IN URBAN AREAS



NOTES

DRAINS WILL BE REQUIRED AT ALL INLETS IN "SAG" AREAS AND AS INDICATED IN THE PLANS.

THIS WORK SHALL BE COMPLETED ACCORDING TO SECTION 601 OF THE STANDARD SPECIFICATIONS.

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER METER (FOOT) FOR PIPE UNDERDRAINS OF THE DIAMETER SPECIFIED WHICH PRICE SHALL INCLUDE THE CA7 OR CA16 AND THE CONNECTION TO THE INLET.

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

REVISED 4-1-99 88.4

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	317
STA.		TO STA.		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

DISTRICT STANDARDS

TREE REPLACEMENT SCHEDULE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

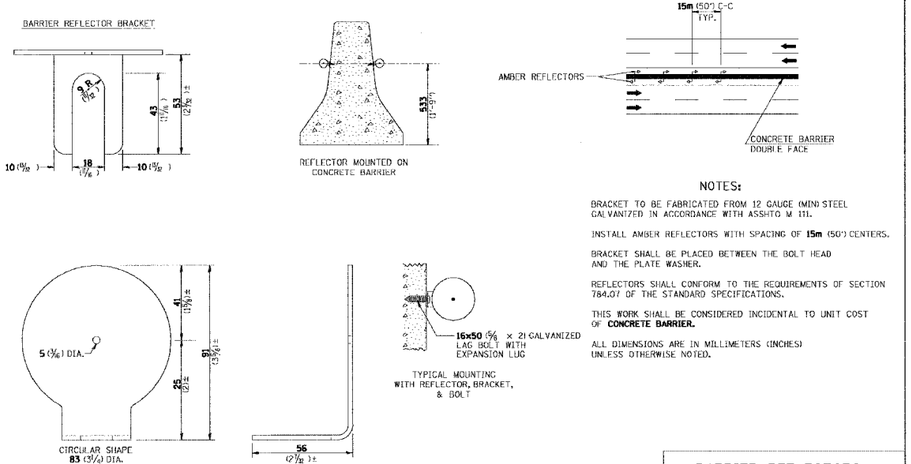
SCIENTIFIC NAME	COMMON NAME	SIZE	UNIT	LOCATION	QUANTITY

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

5-15-91 90.4

BARRIER REFLECTORS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NOTES:

BRACKET TO BE FABRICATED FROM 12 GAUGE (MIN) STEEL GALVANIZED IN ACCORDANCE WITH ASSHTO M 111.

INSTALL AMBER REFLECTORS WITH SPACING OF **15m** (50') CENTERS.

BRACKET SHALL BE PLACED BETWEEN THE BOLT HEAD AND THE PLATE WASHER.

REFLECTORS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 784.07 OF THE STANDARD SPECIFICATIONS.

THIS WORK SHALL BE CONSIDERED INCIDENTAL TO UNIT COST OF **CONCRETE BARRIER.**

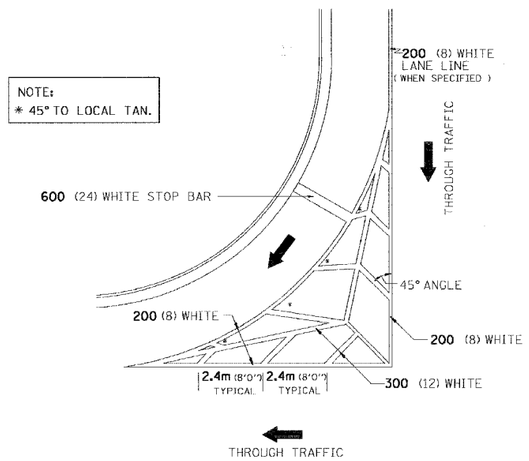
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

BARRIER REFLECTORS

STANDARD 92.4

TYPICAL MARKING FOR PAINTED ISLANDS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA.		TO STA.		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		



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

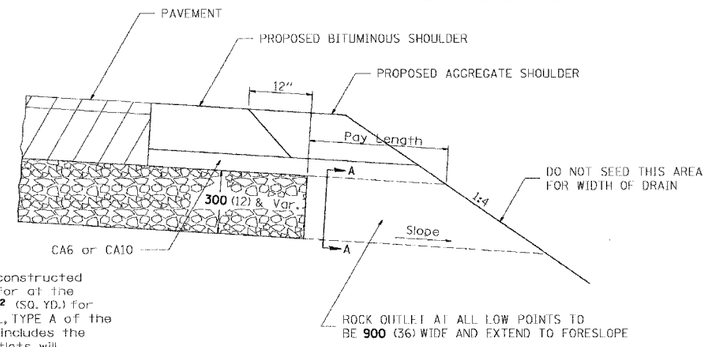
TYPICAL MARKING FOR PAINTED ISLANDS

1/18/96 93.4

DRAIN FOR AGGREGATE BASE COURSE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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



NOTE: Slope same as shoulder with 2% min.

NOTES:

The rock outlets shall be constructed using CA7 and will be paid for at the contract unit price per **m²** (SQ. YD.) for SUB-BASE GRANULAR MATERIAL, TYPE A of the thickness specified which includes the filter fabric. The Rock outlets will be measured in TONS , the width being **900** (36) by the length shown above. The cost of the CA6 or CA10 under the shoulder shall be included in the contract unit price per TONS for SUB-BASE GRANULAR MATERIAL, TYPE A of the thickness specified. The filter fabric to be used shall conform to the filter fabric used for Riprap.

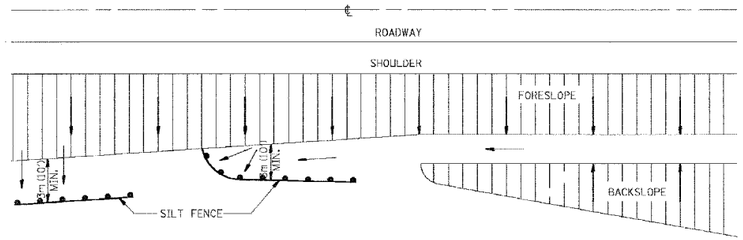
REVISED 13-JULY-95 96.4

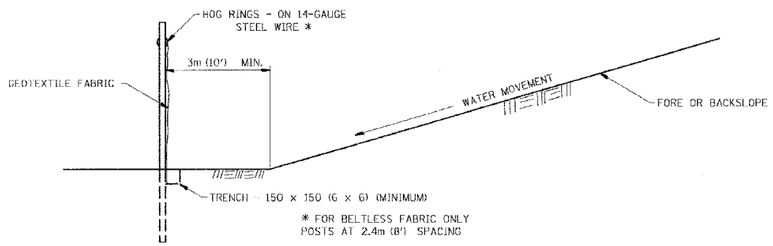
CONTRACT NO. 64647

DISTRICT STANDARDS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	318
STA.	TO STA.			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

EROSION CONTROL DETAILS FOR SILT FENCE



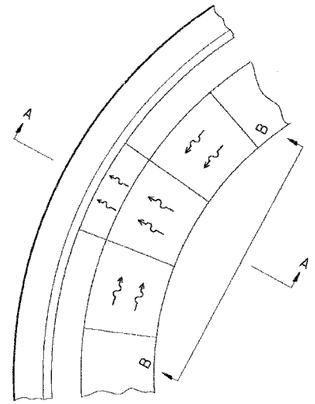


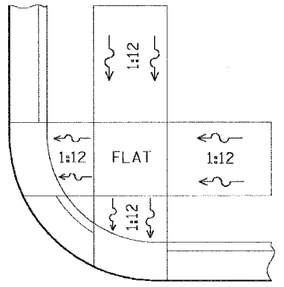
DETAILS OF SILT FENCE

REVISED 10-22-01

29.2

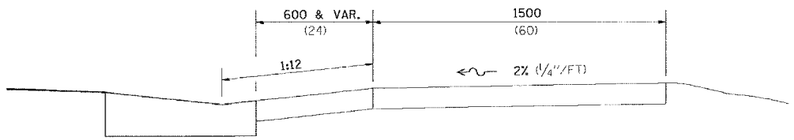
DISABLED RAMP DETAIL



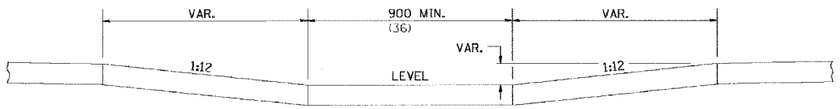


SEE STANDARD 424001
FOR SIDE FLARE DETAIL
& SEE PLANS FOR RAMP TYPE.

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



SECTION A-A



SECTION B-B

NOTES : THIS DETAIL TO BE USED IN CONJUNCTION WITH STATE STANDARD 424001.
THE MAXIMUM ALLOWABLE CROSS SLOPE FOR SIDEWALK IS 2% (1/4"/FT).
THE MAXIMUM ALLOWABLE SIDEWALK GRADE IS 8% (1"/12"/FT) . IF SPACE LIMITATIONS PROHIBIT THE USE OF THE 1:12 SLOPE, THEN SLOPES BETWEEN 1:10 ARE 1:12 ARE PERMITTED FOR A MAXIMUM RISE OF 150 (6). SLOPES 1:8 AND 1:10 ARE ALLOWED FOR A MAXIMUM RISE OF 75 (3). SLOPES STEEPER THAN 1:8 ARE NOT PERMITTED.
THE DEPRESSED CURB IS NOT STANDARD. THE RISE IS 13 (1/2") INSTEAD OF 40 (1 1/2").

REVISED 12/08/92

60.2

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	319
STA.		TO STA.		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

DISTRICT STANDARDS

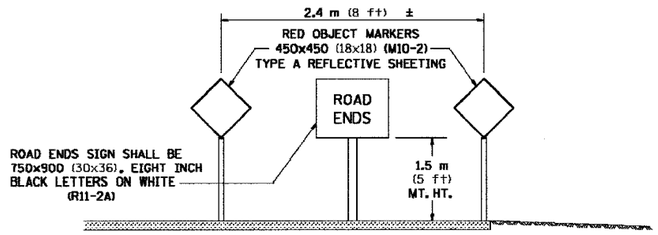
TERMINATION OF DEAD END ROADS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

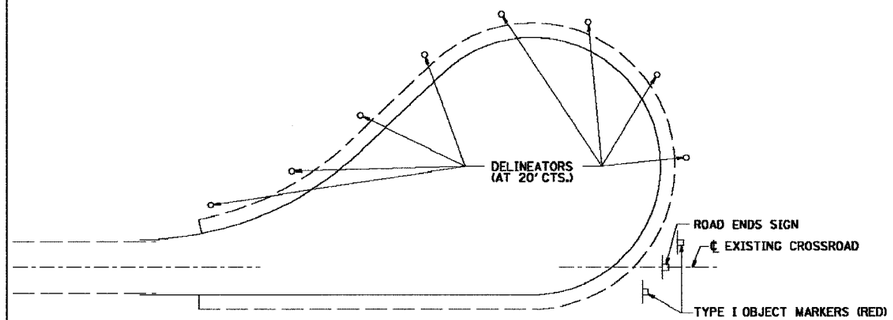
NOTES: A **"DEAD END"** (W14-1) SIGN SHALL BE ERECTED SLIGHTLY BEYOND THE LAST ROAD INTERSECTING THE ROAD WITH NO OUTLET. IF THIS INTERSECTION IS MORE THAN 457 m (1500 FT) FROM TERMINATION POINT, OR IF SIGHT DISTANCE TO THE CLOSURE IS LESS THAN 152 m (500 FT) , A **ROAD ENDS 152m** (500 FT.) (W8-16) SIGN SHALL BE ERECTED 152m (500 FT.) IN ADVANCE OF THE TERMINATION OF THE ROAD. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR **"TERMINATION OF DEAD END ROADS"** WHICH PRICE SHALL INCLUDE ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO INSTALL THE SIGNS AND DELINEATORS.

USE 100x150 (4x6) WOOD POSTS INSTALLED IN ACCORDANCE WITH ARTICLE 702.05(a) OF STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS. USE APPLICABLE PARTS OF STANDARD 720001 FOR SIGN MOUNTING.

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



TERMINATION SIGNING

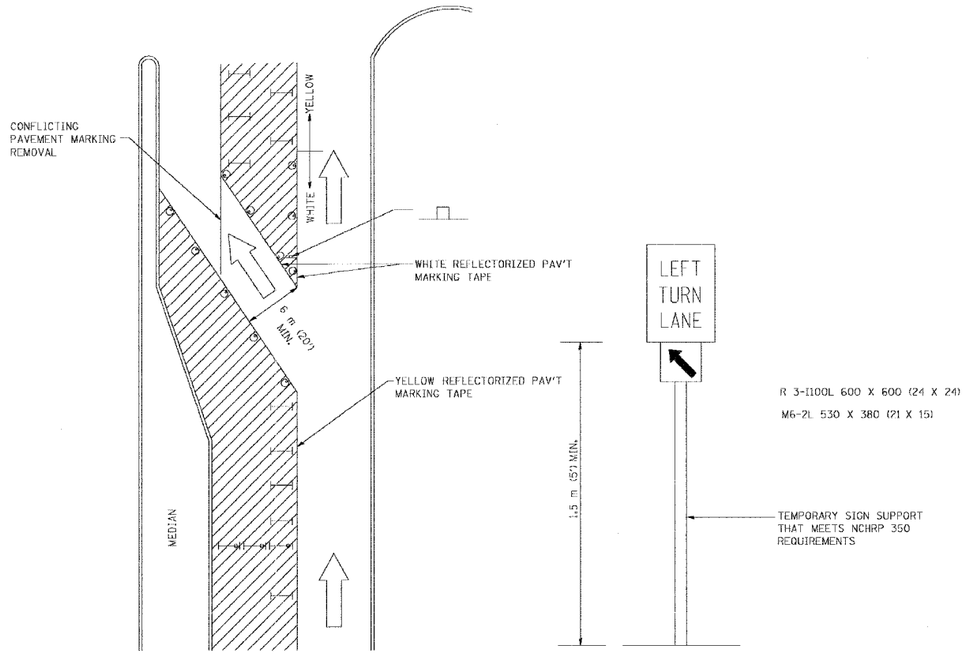


TRAFFIC CONTROL
TYPICAL CUL-DE-SAC

REVISED 7-01-04 **89.2**

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	



LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- TYPE I OR II BARRICADE OR DRUM WITH FLASHING BURNING LIGHT
- DRUM OR BARRICADE WITH STEADY BURN LIGHT
- SIGN (SEE DETAIL)
- TYPE I OR II CHECK BARRICADE WITH STEADY LIGHT BURN

GENERAL NOTES

CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 710 (28) IN HEIGHT.

STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS WILL BE MONODIRECTIONAL.

REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.

THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 600 x 600 (24 X 24) AND M6-2R 530 X 380 (21 X 15) SHALL BE USED.

THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.

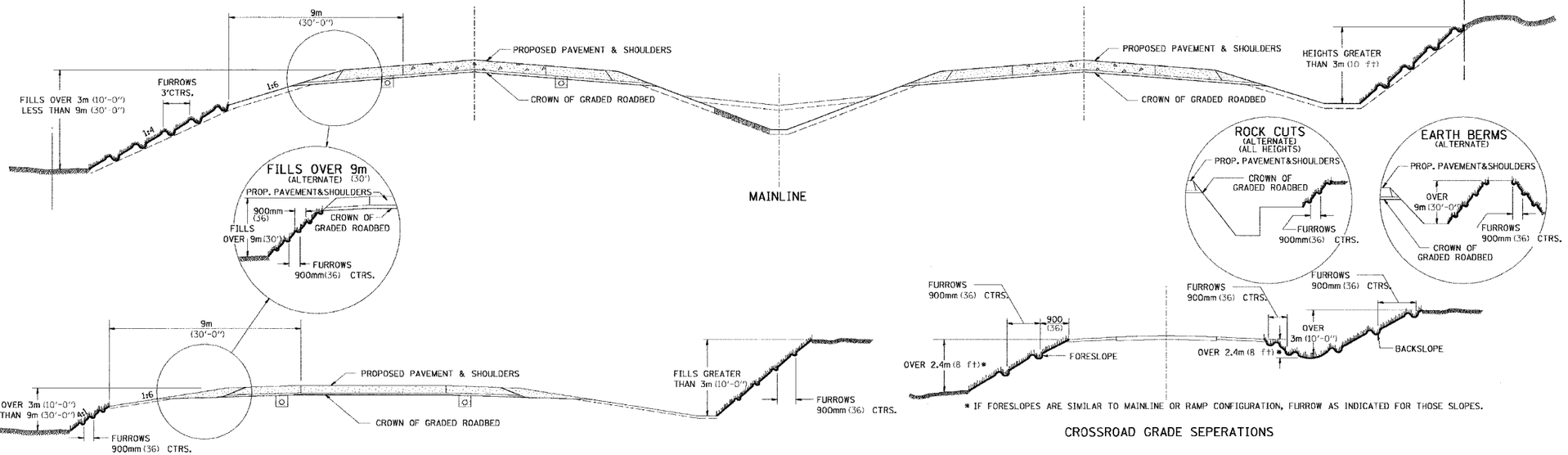
LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN

94.2

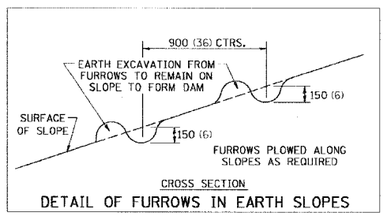
TYPICAL FURROWED ROADWAY SLOPES



RAMPS

CROSSROAD GRADE SEPERATIONS

* IF FORESLOPES ARE SIMILAR TO MAINLINE OR RAMP CONFIGURATION, FURROW AS INDICATED FOR THOSE SLOPES.



DETAIL OF FURROWS IN EARTH SLOPES

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

GENERAL NOTES

IN GENERAL, THE ENTIRE EARTH SURFACE WITHIN THE RIGHT-OF-WAY SHALL BE SEEDED AND MULCHED.

NO AGRICULTURAL GROUND LIMESTONE SHALL BE APPLIED TO THE GRADED ROADBED.

FORESLOPES AND/OR BACKSLOPES 3m (10 ft) OR LESS IN HEIGHT WILL NOT REQUIRE FURROWING UNLESS OTHERWISE NOTED IN THE PLANS OR AS DIRECTED BY THE ENGINEER.

FORESLOPES AND/OR BACKSLOPES OVER 3m (10 ft) IN HEIGHT SHALL BE FURROWED. THE OPERATION SHALL INCLUDE FINISHING THE SLOPES TO FINAL LINE AND GRADE, AS SHOWN ON THE CROSS SECTIONS BEFORE FURROWING IS DONE. FURROWS SHALL BE PLOWED ALONG A LEVEL LINE CONFORMING TO THE CONTOURS OF THE SLOPE. THE COST OF FURROWING SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

SEQUENCE AND OPERATION FOR SEEDING, MULCHING AND FURROWING OF ROADWAY SLOPES:

1. SPREAD FERTILIZER AND AGRICULTURAL GROUND LIMESTONE.
2. PERFORM THE OPERATION OF GROUND PREPARATION.
3. PLOW FURROWS.
4. PERFORM THE OPERATION OF SEEDING. THE SEED SHALL BE SOWN ON THE SURFACE OF THE PREPARED GROUND AFTER FURROWING.

4A. THE OPERATION OF COVERING THE SEED, BY HARROWING OR OTHER MEANS, SHALL BE PERFORMED ONLY IF SO DIRECTED BY THE ENGINEER AND SHALL BE INCIDENTAL OF THE ITEM OF SEEDING.

5. SECTION 250 AND 251 OF THE STANDARD SPECIFICATIONS SHALL GOVERN THIS WORK EXCEPT AS NOTED HEREIN.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STORM WATER POLLUTION PREVENTION PLAN
EROSION CONTROL PLAN

THE FOLLOWING PLAN WAS ESTABLISHED AND INCLUDED IN THESE PLANS TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY EROSION CONTROL SYSTEMS AND TO PROVIDE A STORM WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE UNDER NPDES.

THE PURPOSE OF THIS PLAN IS TO MINIMIZE SILTATION WITHIN THE CONSTRUCTION ZONE AND TO ELIMINATE SEDIMENTS FROM ENTERING AND LEAVING THE CONSTRUCTION ZONE BY UTILIZING PROPER TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING GROUND COVER WITHIN A REASONABLE AMOUNT OF TIME.

CERTAIN ITEMS, AS SHOWN IN THIS PLAN AND REFERENCED BY THE LEGEND, SHALL BE PLACED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE PLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION RESULTING FROM THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR, AND EXPECTED WEATHER CONDITIONS.

THE CONTRACTOR SHALL PLACE PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A REASONABLE AMOUNT OF TIME: THEREFORE, REDUCING THE AMOUNT OF AREA BEING OPEN TO THE POSSIBILITY OF EROSION AND REDUCING THE AMOUNT OF TEMPORARY SEEDING. THE RESIDENT ENGINEER WILL DETERMINE IF TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED, THE SIZE OF THE PROPOSED DITCH CHECKS, THE PROPER METHOD OF INSTALLATION, AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS SHALL BE ADDED WHICH ARE NOT INCLUDED IN THE PLANS. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN IN STANDARD 280001 OF THE PLANS.

SITE DESCRIPTION
DESCRIPTION OF CONSTRUCTION ACTIVITY:

THIS PROJECT CONSISTS OF CONSTRUCTION OF MILAN BELTWAY AND JOHN DEERE ROAD AND RECONSTRUCTION OF SEVERAL SIDE ROADS.

DESCRIPTION OF INTENDED SEQUENCE OF ACTIVITIES:
THE SEQUENCE OF EVENTS ARE AS FOLLOW: CLEARING, EMBANKMENT, EXCAVATION, GRADING AND PAVING. THIS PROJECT WILL BE CONSTRUCTED IN SEGMENTS AS SHOWN IN THE "STAGING PLANS".

TOTAL CONSTRUCTION SITE (CONSTRUCTION LIMIT TO CONSTRUCTION LIMIT) 57.8 ACRES

PROPOSED R.O.W (TOTAL PARCEL AREA) 44.3 ACRES

DISTURBED BY EXCAVATION (E.O.P TO CONSTRUCTION LIMIT) 54 ACRES

SUPPORTING REPORTS AND PLANS
THE FOLLOWING ASSISTED IN DEVELOPING THE EROSION CONTROL PLAN AS REFERENCED DOCUMENTS:

SOIL PROFILE SHEETS, SOILS REPORTS, BORING LOGS
USGS DRAINAGE MAPS, PROJECT PLAN DOCUMENTS

DRAINAGE TRIBUTARIES RECEIVING WATER FROM CONSTRUCTION SITE

ROCK RIVER

EROSION CONTROLS AND SEDIMENT CONTROL PROCEDURES

STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION:

PERIMETER EROSION CONTROL SHALL BE PLACED PRIOR TO BEGINNING EARTHWORK.

STABILIZATION PRACTICES DURING CONSTRUCTION:

AS EARTH EXCAVATION AND EMBANKMENT ARE BEING COMPLETED THE CONTRACTOR SHALL PLACE DITCH CHECKS, INLET AND PIPE PROTECTION, EROSION CONTROL BLANKET, AND SEEDING AS STAGES OF THE PROJECT ARE COMPLETED. PERIMETER EROSION BARRIER WILL BE INSTALLED AT ADDITIONAL LOCATIONS AS THE PROJECT PROGRESSES. SEEDING SHALL BE COMPLETED AS SPECIFIED IN THE EROSION CONTROL/ SEEDING MOBILIZATION AND TEMPORARY SEEDING SPECIAL PROVISION.

MAINTENANCE AFTER FINAL GRADING

TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY AND ALL PROPOSED TURF AREAS SEEDED AND ESTABLISHED WITH THE PROPER STAND. ONCE PERMANENT EROSION CONTROL SYSTEMS AS PROPOSED IN THE PLANS ARE FUNCTIONAL AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, CLEANED UP AND DISTURBED TURF RESEEDED.

REVISED 5-12-04 2.1

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CONTRACT NO. 64647

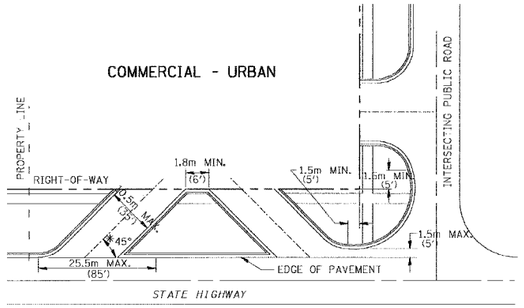
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	322
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

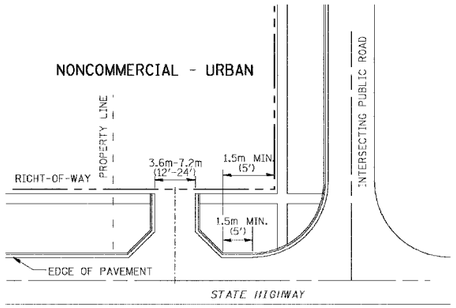
DISTRICT STANDARDS

ENTRANCE APPROACHES – URBAN AREA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA.		TO STA.		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

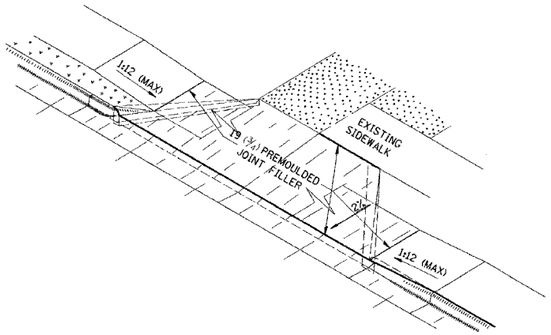
TYPICAL APPLICATION OF ENTRANCES

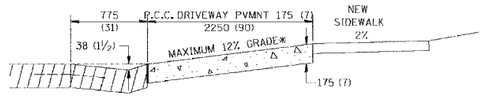




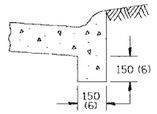
WHEN THE ISLAND BETWEEN DRIVES IS LESS THAN 7.5m (25') LONG OR LESS THAN 10 FEET WIDE, IT SHALL BE DEFINED BY CURBS, MASONRY, OR OTHER DEVICES.

* 45° MIN. ANGLE PERMITTED ONLY FOR ONE-WAY DRIVEWAYS. 60° MIN. ANGLE FOR TWO-WAY DRIVEWAYS.

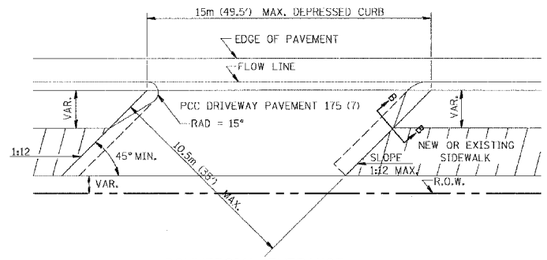




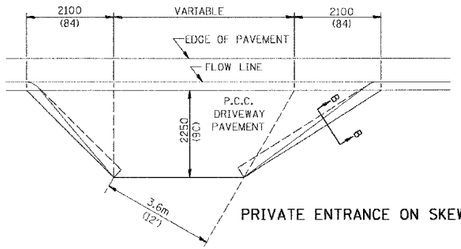
ASCENDING APPROACH



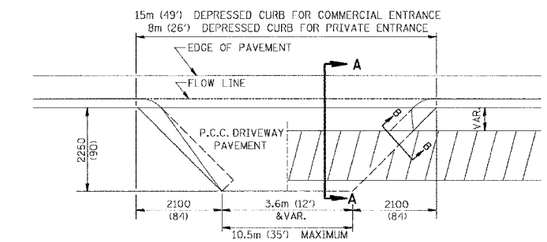
SEC B-B



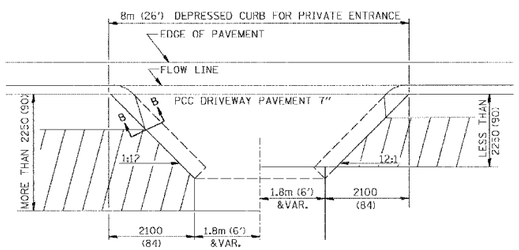
COMMERCIAL ENTRANCE



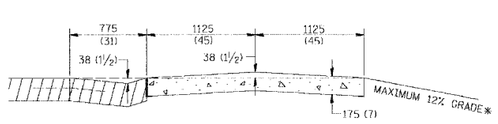
PRIVATE ENTRANCE ON SKEW



NO SIDEWALK EXISTING SIDEWALK



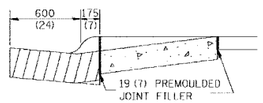
NEW SIDEWALK



DESCENDING APPROACH

* IN CASES WHERE GRADE EXCEEDS 12%, THE RESIDENT ENGINEER SHALL CHECK WITH DISTRICT DESIGN OFFICE TO DETERMINE NEW APPROACH GRADE, PARTICULAR ATTENTION SHALL BE PAID TO THE NEGATIVE GRADE TO PREVENT DRAINAGE FROM OVER FLOWING INTO THE PRIVATE ENTRANCE.

SECTION A-A



THE VARIABLE HEIGHT INTEGRAL CURB AND PREMOULDED JOINT FILLER WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE OF DRIVEWAY PAVEMENT OF THE THICKNESS SPECIFIED.

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

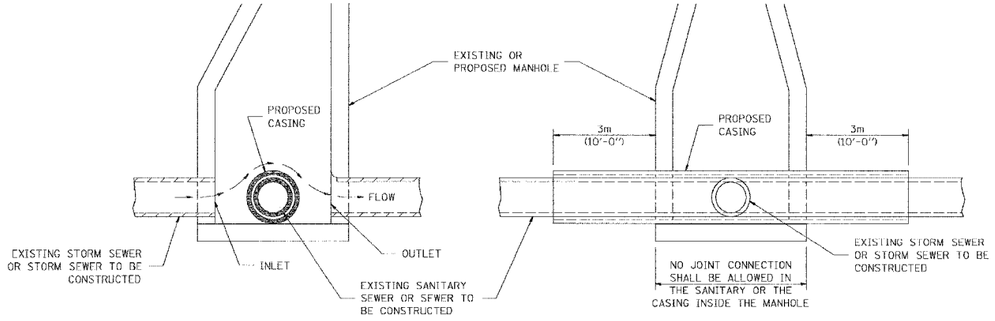
REVISED 2-7-90

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	323
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DISTRICT STANDARDS

SEWER AND WATER MAIN CROSSINGS



ELEVATION - ECCENTRIC

ELEVATION - CONCENTRIC

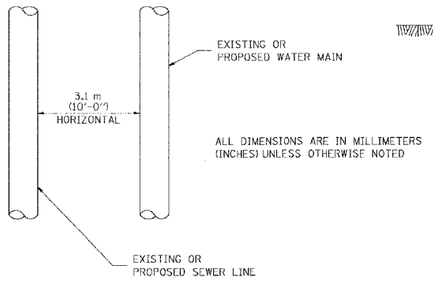
CASING SHALL BE CAST IRON WITH AN INSIDE DIAMETER 50 (2) LARGER IN DIAMETER THAN ENCASED PIPE OUTSIDE DIAMETER WITH BOTH ENDS OF CASING SEALED

AT GRADE CROSSING OF SANITARY AND STORM SEWER

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED

THIS DETAIL IS FOR UNKNOWN UTILITIES UNLESS QUANTITIES ARE INCLUDED IN THE PLANS THE EXTRA WORK WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04.

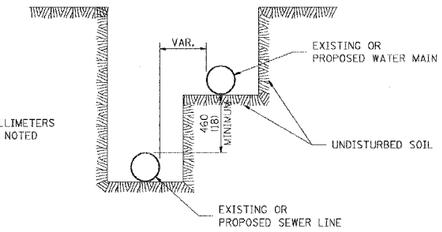
WHEN PROPOSED SEWER (OR WATER) IS LOCATED 3.1 m (10'-0") OR MORE FROM EXISTING WATER (OR SEWER) NO SPECIAL CONSTRUCTION REQUIRED.



PLAN VIEW

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED

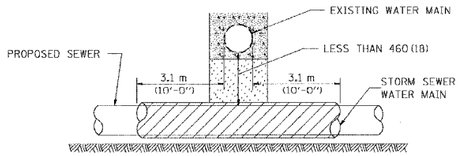
WHEN PROPOSED SEWER (OR WATER) IS LOCATED LESS THAN 3.1 m (10'-0") FROM EXISTING WATER (OR SEWER) DETAILS BELOW SHALL APPLY.



WATER AND SEWER HORIZONTAL SEPARATION REQUIREMENTS

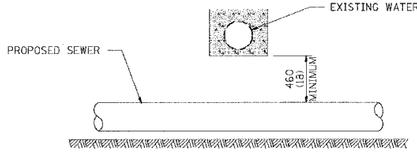
POINT LOADS SHALL NOT BE ALLOWED BETWEEN SEWER OR SEWER CASING AND WATER MAIN

PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH



PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH

MAINTAIN 460 (18) MINIMUM VERTICAL SEPARATION FOR 3.1m (10') HORIZONTALLY

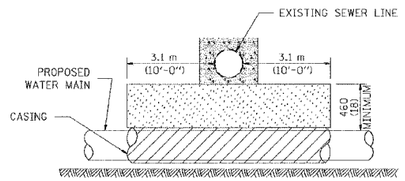


ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED

PROPOSED SEWER LINE BELOW EXISTING WATER MAIN

PROVIDE ADEQUATE SUPPORT FOR EXISTING SEWER LINE TO PREVENT DAMAGE DUE TO SETTLEMENT

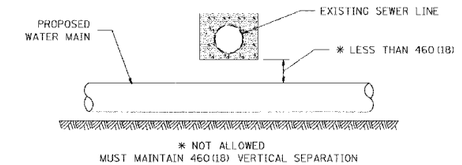
PLACE TRENCH BACKFILL FOR 3.1 m (10') ON EITHER SIDE OF SEWER LINE



CASING SHALL BE CAST IRON WITH AN INSIDE DIAMETER 50 (2) LARGER IN DIAMETER THAN ENCASED PIPE OUTSIDE DIAMETER WITH BOTH ENDS OF CASING SEALED

PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH

MAINTAIN 460 (18) MINIMUM VERTICAL SEPARATION FOR 3.1 m (10') HORIZONTALLY

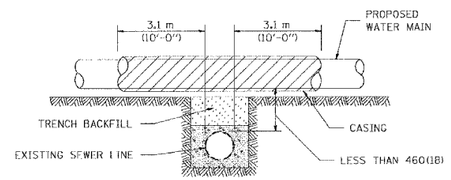


* NOT ALLOWED
MUST MAINTAIN 460 (18) VERTICAL SEPARATION

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED

PROPOSED WATER MAIN BELOW EXISTING SEWER LINE

POINT LOADS SHALL NOT BE ALLOWED BETWEEN WATER MAIN OR WATER MAIN CASING AND SEWER

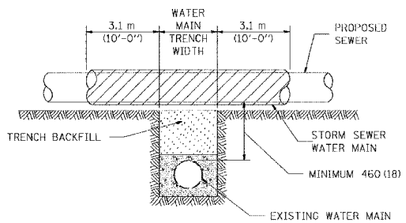


CASING SHALL BE CAST IRON WITH AN INSIDE DIAMETER 50 (2) LARGER IN DIAMETER THAN ENCASED PIPE OUTSIDE DIAMETER WITH BOTH ENDS OF CASING SEALED

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED

PROPOSED WATER MAIN ABOVE EXISTING SEWER LINE

PROVIDE ADEQUATE SUPPORT FOR SEWER TO PREVENT SETTLING AND BREAKING THE WATER MAIN.



ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED

EXISTING WATER MAIN BELOW PROPOSED SEWER LINE WITH MINIMUM 460 (18) VERTICAL SEPARATION

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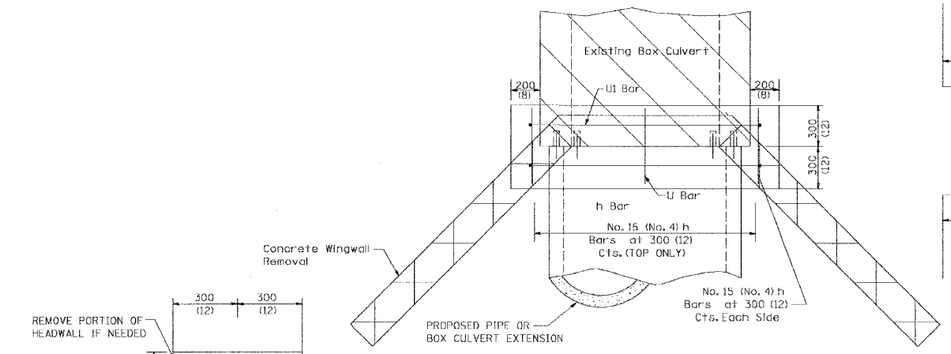
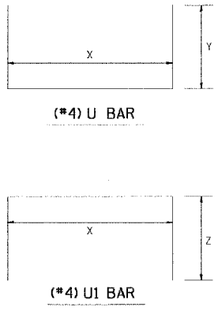
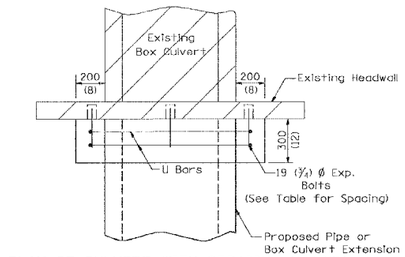
CONCRETE COLLARS FOR PIPE OR BOX CULVERT EXTENSIONS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

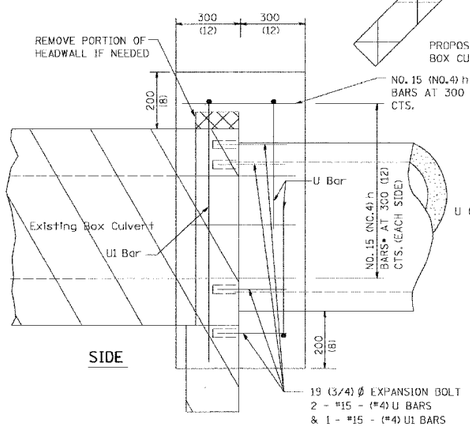


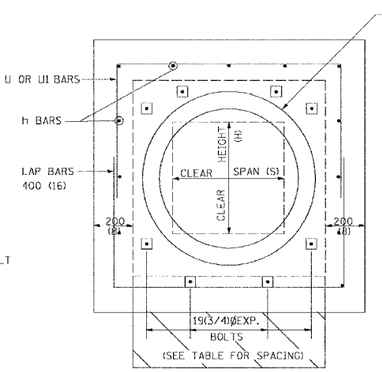
PLAN OF CULVERT WITH ANGLED WING WALLS



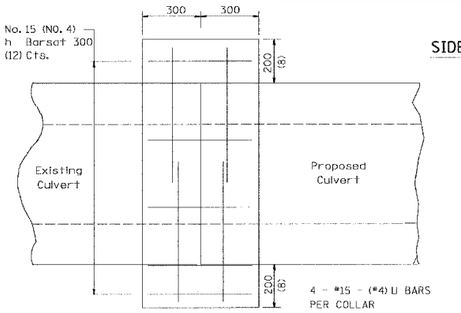


PLAN OF CULVERT WITH STRAIGHT HEADWALL

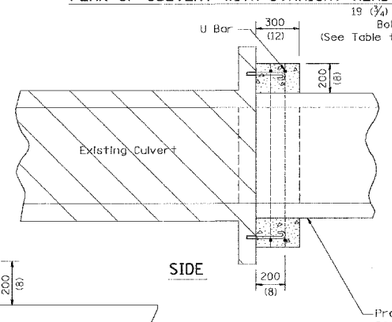


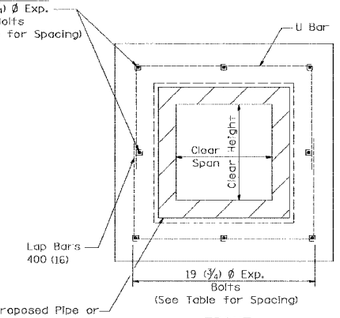


FRONT



CULVERT CONNECTION WITHOUT EXISTING HEADWALL





FRONT

PLACEMENT DETAILS FOR EXPANSION BOLTS

H ON S	NUMBER OF EXPANSION BOLTS REQUIRED PER SIDE: EXTENSIONS < 4.57m (15') NUMBER	SPACING	EXTENSIONS > 4.57m (15') NUMBER	SPACING
600 (24)	*		*	
750 (30)	2	450 (18)	2	450 (18)
900 (36)	2	600 (24)	2	600 (24)
1200 (48)	3	450 (18)	3	450 (18)
1500 (60)	4	400 (16)	3	600 (24)
1800 (72)	5	375 (15)	4	500 (20)
2100 (84)	5	450 (18)	4	600 (24)
2400 (96)	6	375 (15)	5	525 (21)
2700 (108)	6	475 (19)	5	600 (24)
3000 (120)	7	450 (18)	6	525 (21)
3300 (132)	8	425 (17)	6	600 (24)
3600 (144)	8	475 (19)	7	550 (22)

* MINIMUM ONE PER SIDE

Bill of Materials

STATION	DIMENSIONS X	DIMENSIONS Y	h Bar No.	U Bar No.	U Bar Length	EXPANSION BOLTS No.	CONCRETE COLLAR Cu. m.	REINF. BARS KG
All h Bars 450 (18) long					Total			

General Notes

Concrete Collars shall be constructed of Class SI Concrete in accordance with Section 503 of the Standard Specifications

Reinforcement bars shall conform to Section 508 of the Standard Specifications.

The concrete will be paid for at the contract unit price per cubic meter (cubic yard) for CONCRETE COLLAR. Reinforcement will be paid for at the contract unit price per kilogram (pound) for REINFORCEMENT BARS. Expansion Bolts, when required, will be paid for at the contract unit price each for EXPANSION BOLTS of the size indicated, which price shall include furnishing, drilling holes, and installing the expansion bolts complete in place. These bolts shall extend at least 200 (8 inches) into the new concrete.

ILLINOIS DEPARTMENT OF TRANSPORTATION

REVISIONS NAME	DATE

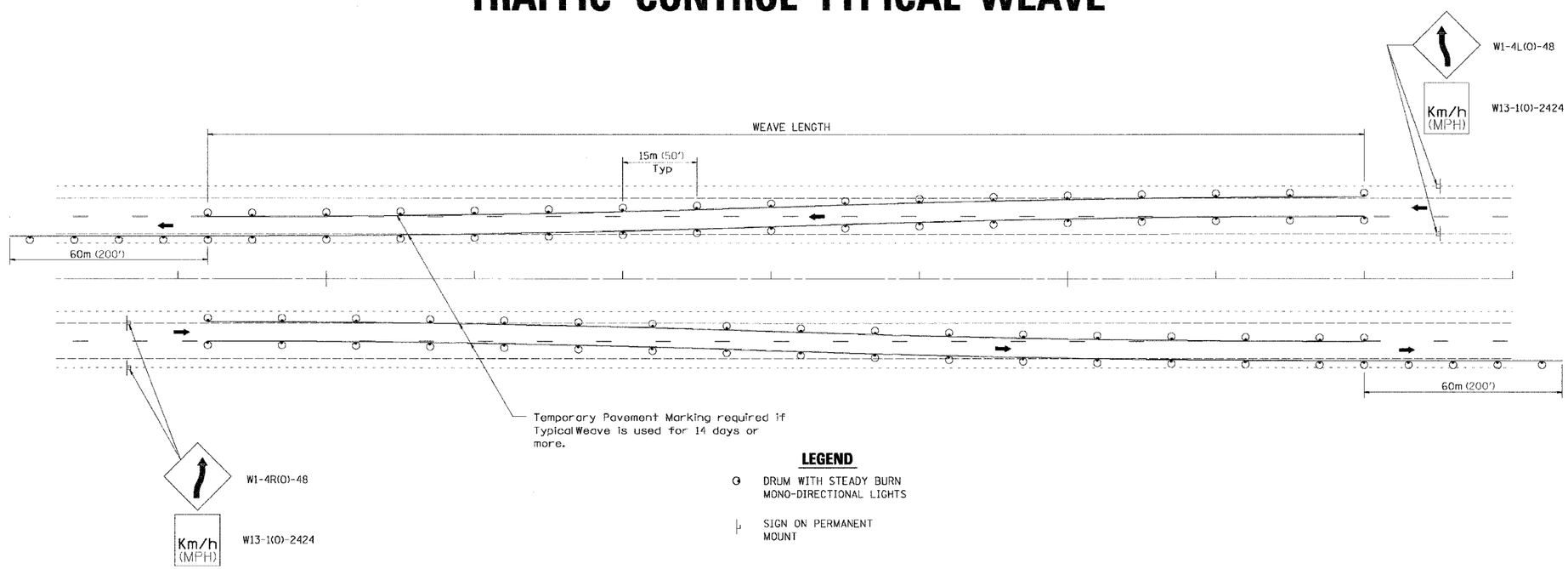
SCALE: VERT. HORIZ. DRAWN BY
DATE CHECKED BY

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	325
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DISTRICT STANDARDS

TRAFFIC CONTROL TYPICAL WEAVE



LEGEND

- DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHTS
- SIGN ON PERMANENT MOUNT

STANDARD WEAVE CONDITIONS FOR DIFFERENT SPEED LIMITS

POSTED SPEED LIMIT	ADVISORY SPEED LIMIT	WEAVE LENGTH
110 Km/h (65 MPH)	80 Km/h (45 MPH)	240m (780 FT.)
90 Km/h (55 MPH)	60 Km/h (35 MPH)	200m (660 FT.)
80 Km/h (45 MPH)	40 Km/h (25 MPH)	165m (540 FT.)

DESIGNER NOTE:

1. USE ON LONG 4-LANE PROJECTS WHERE THE CONTRACTOR MAY CHANGE A PORTION OF THE WORK TO THE OPPOSITE LANE.
2. USE WHERE THE PROJECT IS ADJACENT TO ANOTHER AND THE CONTRACTOR COULD BE WORKING ON DIFFERENT LANES.
3. TEMPORARY PAVEMENT MARKING SHALL BE USED WHEN TYPICAL WEAVE IS USED FOR 14 DAYS OR MORE.
4. TRAFFIC CONTROL TYPICAL WEAVE SHALL BE INCLUDED IN THE COST OF THE SPECIFIC TRAFFIC CONTROL STANDARDS OF ITEMS.

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

CHECKED BY:
DRAWN BY:
DESIGNED BY:

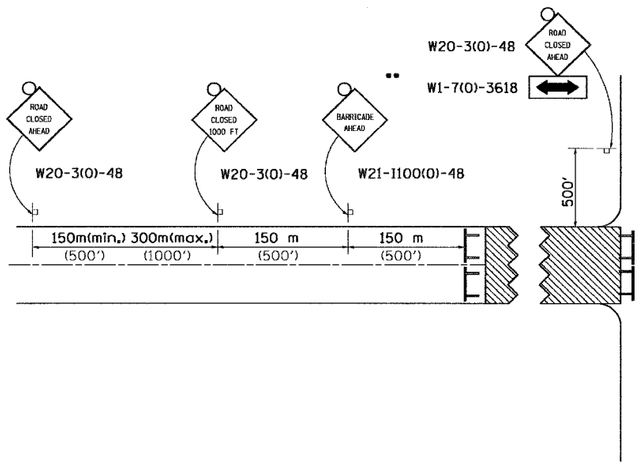
MAY-30-91 39.1

DISTRICT STANDARDS

CONTRACT NO.

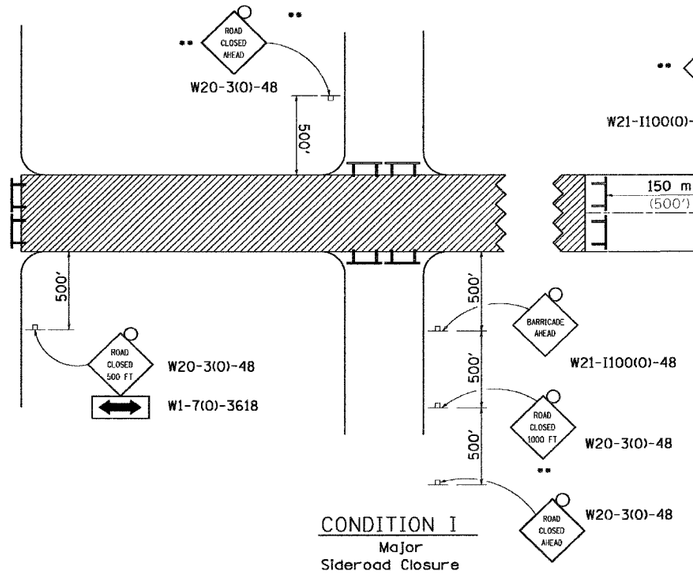
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TRAFFIC CONTROL FOR ROAD CLOSURE



CONDITION II

Minor
Sideroad Closure



CONDITION I

Major
Sideroad Closure

GENERAL NOTES

Longitudinal dimensions may be adjusted to fit field conditions.

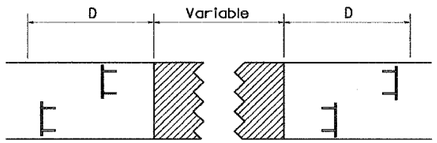
When speed limit is less than 45mph, change sign spacing to 250' and change ROAD CLOSED 1000 FT to ROAD CLOSED 500 FT.

Side roads requiring all three signs as shown in CONDITION I (Major Sideroad Closure), shall be listed in the special provision.

•• Where local access is to be maintained, barricades are to be set up as shown in Road Closed to thru traffic.

Type III Barricades and R11-2-4830 signs shall be as shown in "Road Closed To All Traffic" detail on Highway Standard 702001.

ROAD CLOSED TO THRU TRAFFIC BARRICADE SET UP



Type III Barricades and R11-4-4830 signs shall be as shown in "Road Closed To All Thru Traffic" detail on Highway Standard 702001. If the distance "D" exceeds 600 m (2000') an additional set of barricades and R11-4-4830 shall be placed at each end of the work area.

SYMBOLS

Work area

Type III Barricade with Flashers

Sign with flashing light

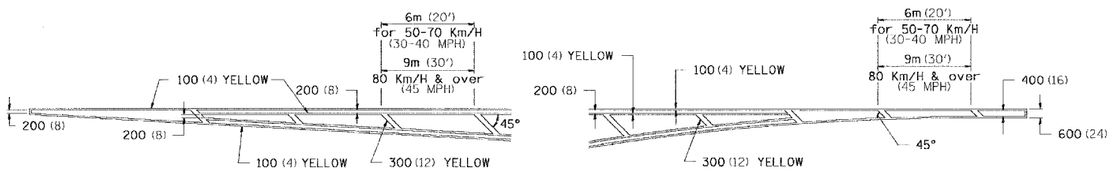
All dimensions are in millimeters (inches) unless otherwise shown.

TYPICAL APPLICATION FOR ROAD CLOSURE

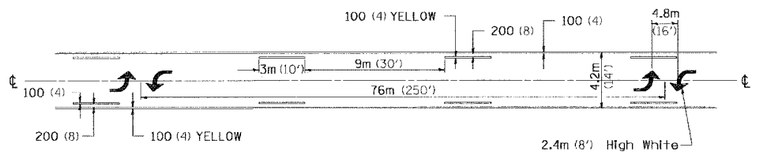
TYPICAL PAVEMENT MARKINGS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

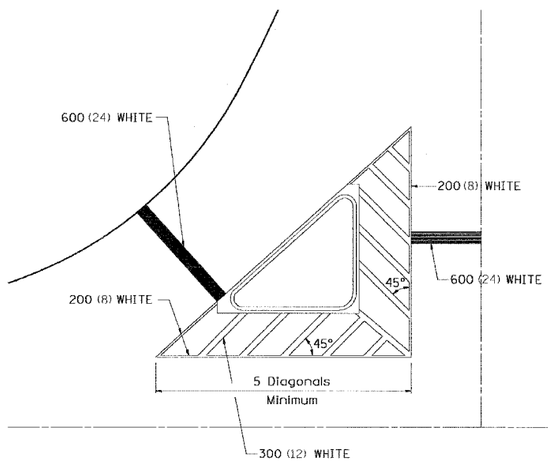
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



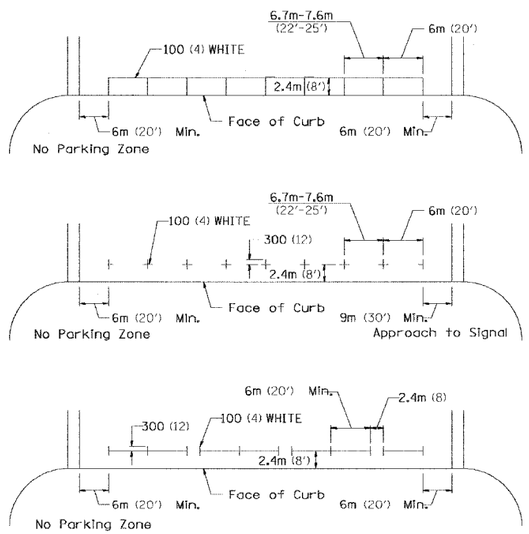
MEDIAN PAVEMENT MARKING



TYPICAL ISLAND OFFSET SHOULDER WIDTH



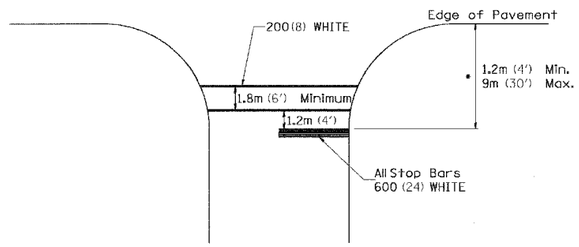
TYPICAL PARKING SPACING



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

STANDARD CROSSWALK MARKING

See Schedules for Locations



▪ Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

CHECKED BY: _____

DRAWN BY: _____

DESIGNED BY: _____

The Raw 23 JUNE 2021
dgn=file:\\Bdist\mud\Signal\Plan\sign

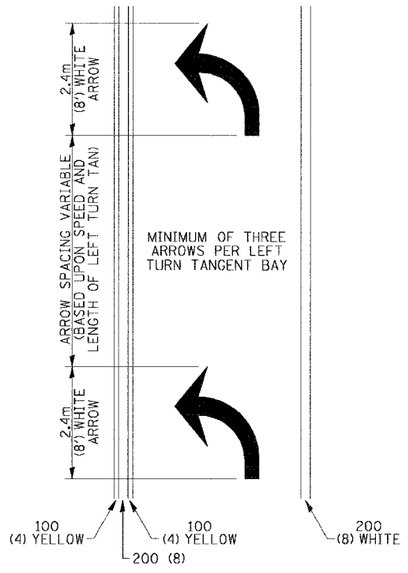
file:\\Bdist\mud\Signal\Plan\sign\TYPICAL PAVEMENT MARKINGS 41.1 SHEET 1 OF 2.dgn 12/22/2021 10:55:34 AM

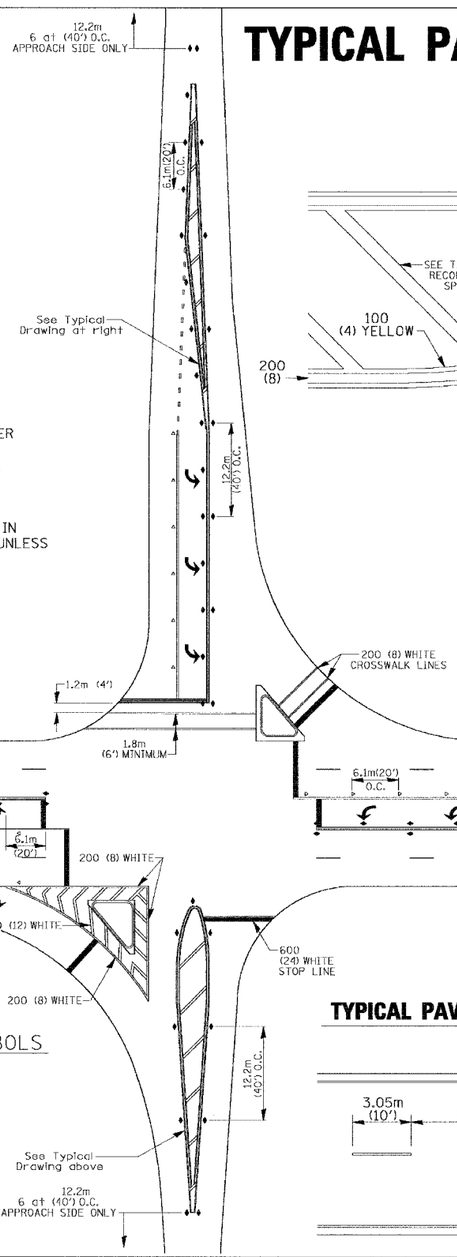
CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	328
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DISTRICT STANDARDS

ARROW LAYOUT





* REDUCE TO 12.2m (40') O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 15Km/H (10MPH) LOWER THAN POSTED SPEEDS.

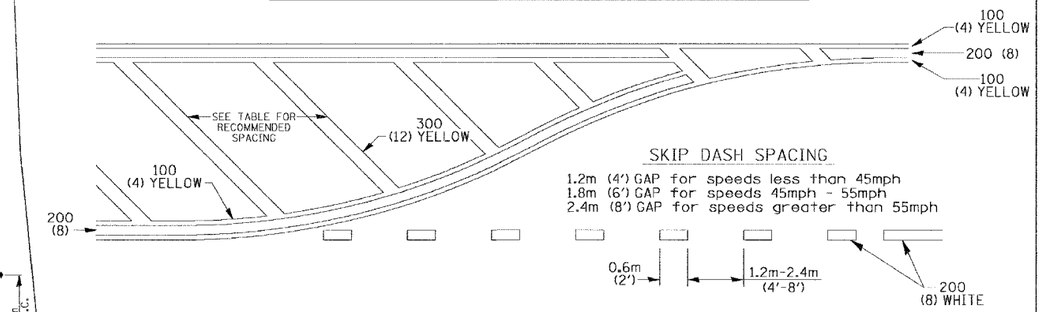
** USE DOUBLE MARKERS WHEN ADT ≥ 25,000

MULTI-LANE / UNDIVIDED

TYPICAL PAVEMENT MARKINGS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

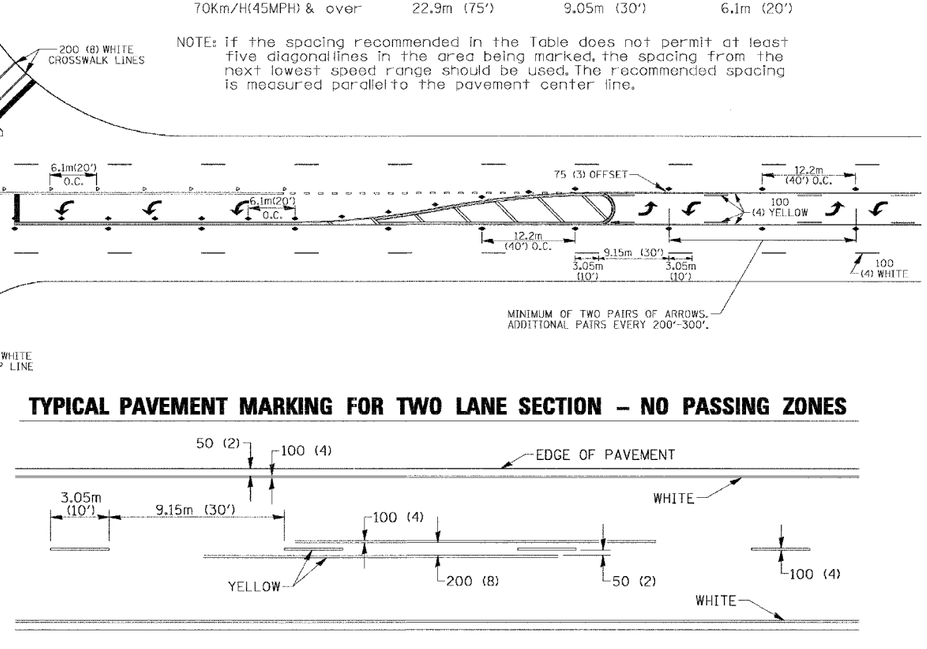
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

Speed Limit Range	Continuous Median Area	Intersection Channelization	Objects (Islands)
less than 50Km/H(30MPH)	15.3m (50')	4.53m (15')	3.05m (10')
50-60Km/H(30-40MPH)	22.9m (75')	6.1m (20')	4.53m (15')
70Km/H(45MPH) & over	22.9m (75')	9.05m (30')	6.1m (20')

NOTE: if the spacing recommended in the Table does not permit at least five diagonal lines in the area being marked, the spacing from the next lowest speed range should be used. The recommended spacing is measured parallel to the pavement center line.



TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION – NO PASSING ZONES

TYPICAL PAVEMENT MARKINGS 41.1 SHEET 2 OF 2

DISTRICT STANDARDS

CHECKED BY:
DRAWN BY:
DESIGNED BY:
Thu Feb 12 11:00:23 2004
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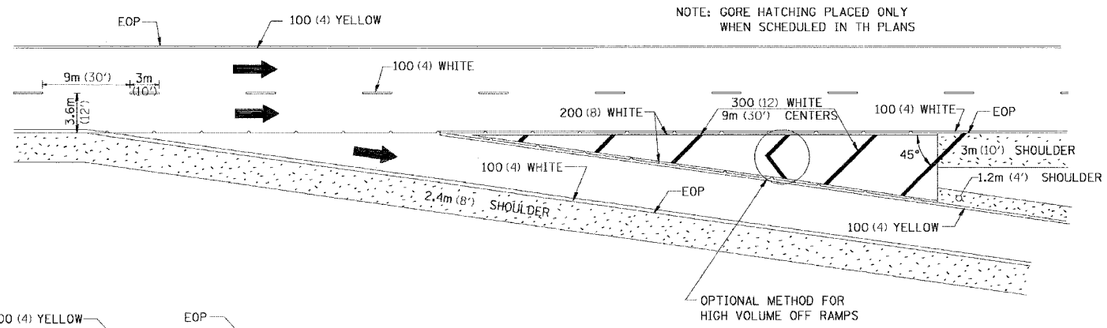
12/22/2004 01:22:53 PM

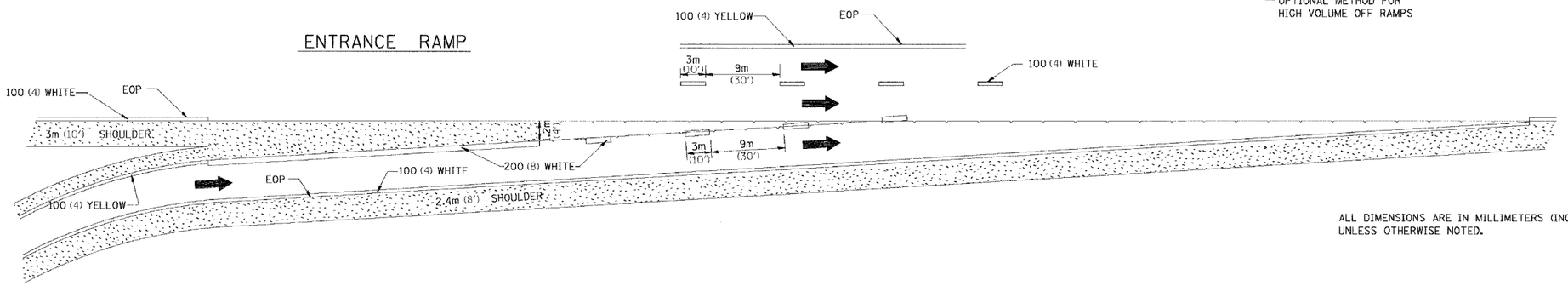
PAINTING DETAILS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EXIT RAMP

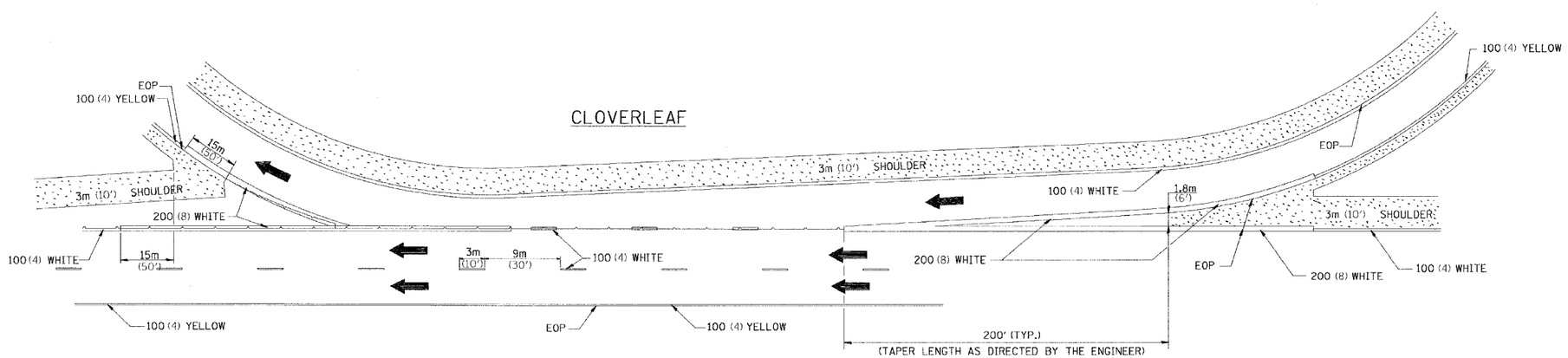


ENTRANCE RAMP



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

CLOVERLEAF



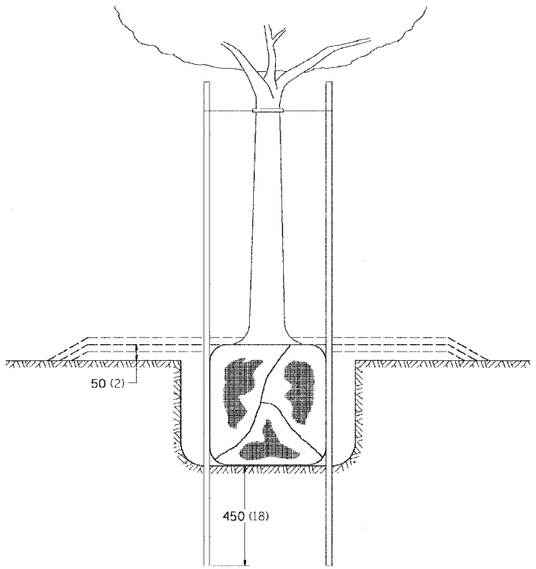
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	330
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DISTRICT STANDARDS

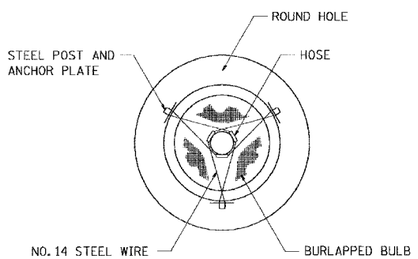
DETAILS OF PLANTING AND BRACING TREES

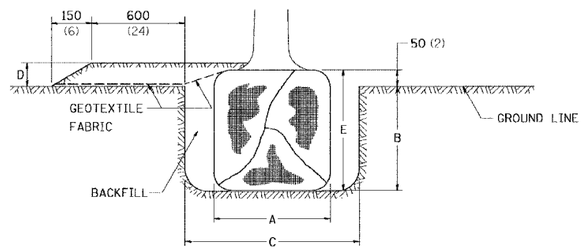
SMALL TREE SIZE	A DIAMETER OF BALL OR ROOT SYS.	B DEPTH OF HOLE EXCAVATION	C WIDTH OF HOLE EXCAVATION	D THICKNESS OF MULCH COVER	E DEPTH OF BALL OR ROOT SYS.	F VOLUME OF MULCH COVER m^3 (CU. YDS.)
1.5-1.8m (5'-6')	400 (16)	250 (10)	750 (30)	100 (4)	300 (12)	0.41 (0.54)
1.5-1.8m (5'-6') BB	400 (16)	250 (10)	750 (30)	100 (4)	300 (12)	0.41 (0.54)
1.8-2.0m (6'-7') BB	450 (18)	300 (12)	750 (30)	100 (4)	350 (14)	0.41 (0.54)
2.0-2.4m (7'-8') BB	500 (20)	275 (11)	750 (30)	100 (4)	325 (13)	0.41 (0.54)
2.4-3.0m (8'-10') BB	600 (24)	350 (14)	900 (36)	100 (4)	400 (16)	0.47 (0.61)
3.0-3.6m (10'-12') BB	650 (26)	375 (15)	900 (36)	100 (4)	425 (17)	0.47 (0.61)

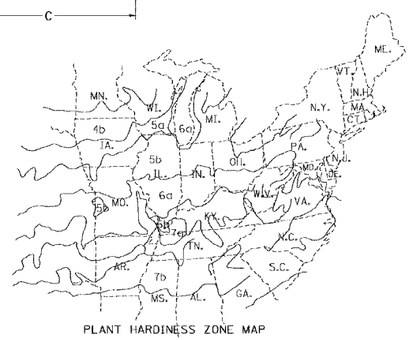
LARGE TREE SIZE	A DIAMETER OF BALL OR ROOT SYS.	B DEPTH OF HOLE EXCAVATION	C WIDTH OF HOLE EXCAVATION	D THICKNESS OF MULCH COVER	E DEPTH OF BALL OR ROOT SYS.	F VOLUME OF MULCH COVER m^3 (CU. YDS.)
0-50 (0-2)	500 (20)	275 (11)	900 (36)	100 (4)	325 (13)	0.47 (0.61)
50-65 (2-2½)BB	600 (24)	350 (14)	1200 (48)	100 (4)	400 (16)	0.60 (0.78)
65-75 (2½-3 BB	700 (28)	425 (17)	1200 (48)	100 (4)	475 (19)	0.60 (0.78)
75-90 (3-3½) BB	800 (32)	425 (17)	1500 (60)	100 (4)	475 (19)	0.73 (0.96)
90-100 (3½-4) BB	900 (36)	500 (20)	1500 (60)	100 (4)	550 (22)	0.73 (0.96)
100-115 (4-4½)BB	1000 (40)	550 (22)	1800 (72)	100 (4)	600 (24)	0.89 (1.16)
115-125 (4½-5) BB	1100 (44)	600 (24)	1800 (72)	100 (4)	650 (26)	0.89 (1.16)
125-140 (5-5½) BB	1200 (48)	675 (27)	2100 (84)	100 (4)	725 (29)	1.06 (1.38)



TREES SMALLER THAN 115 (4½)IN DIAMETER

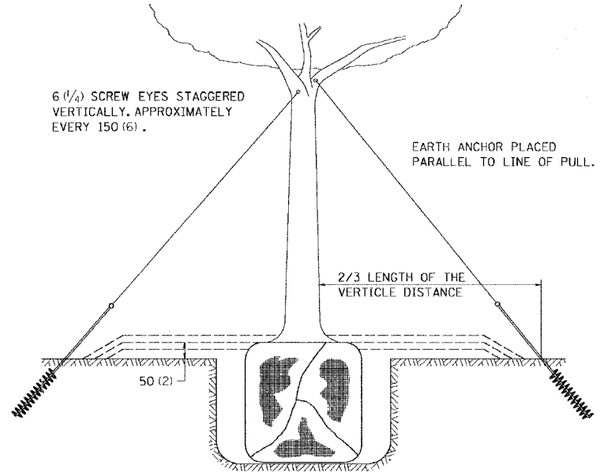




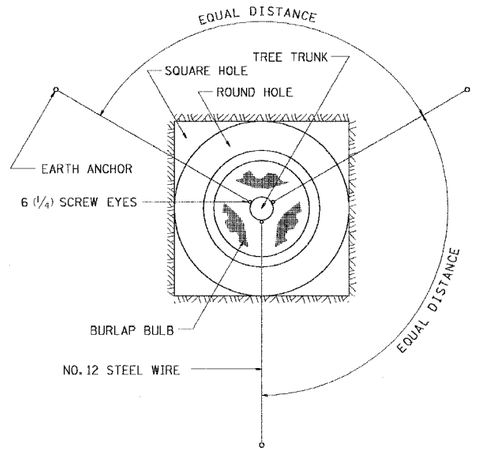


PLANT HARDINESS ZONE MAP

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
PUBLICATION NO. 814



TREES OVER 115 (4½) IN DIAMETER



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

CHECKED BY:
DRAWN BY:
DESIGNED BY:

Tue Nov 04 13:58:59 2003
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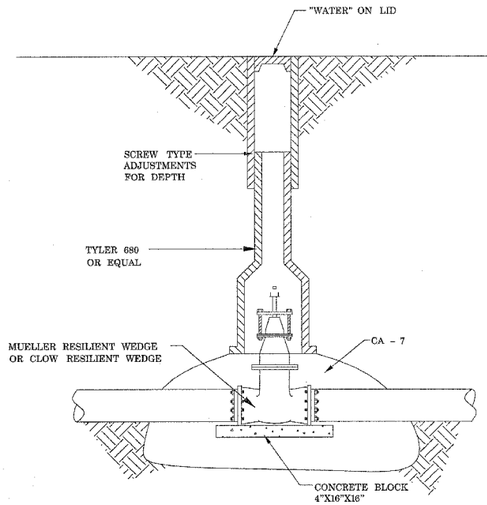
DETAILS OF PLANTING AND BRACING TREES

92.1

CONTRACT NO. 64647

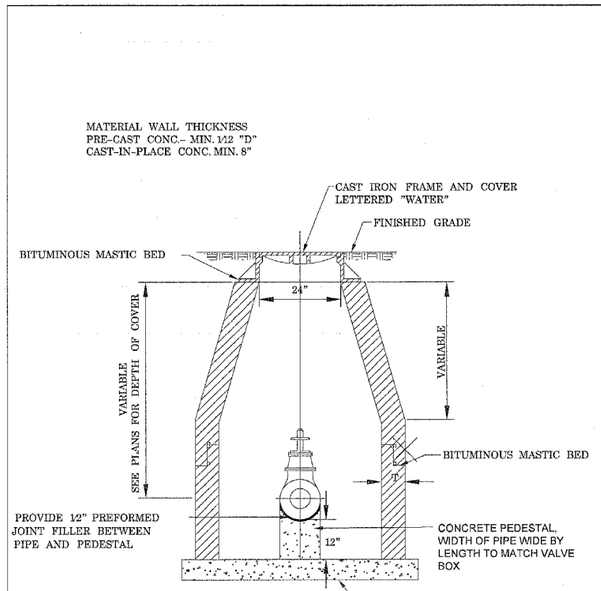
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	331
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CITY OF MOLINE STANDARDS



GATE VALVE BOX INSTALLATION

DATE	CITY OF MOLINE	
902	STANDARD	22



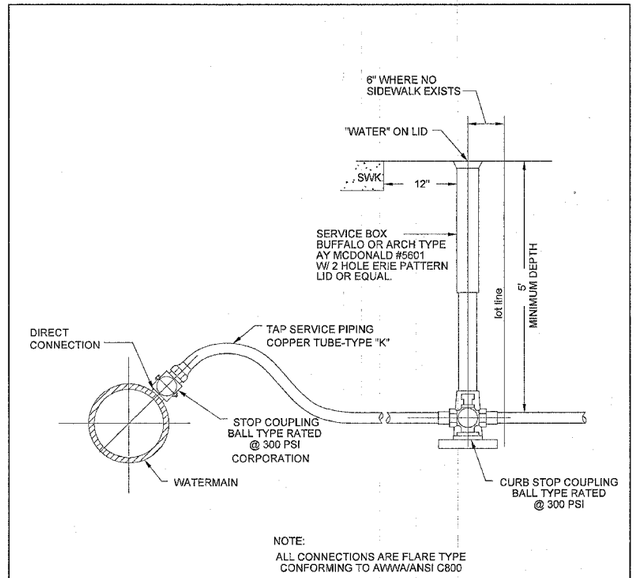
NOTE:
VALVE VAULT DIA. SHALL BE 48" FOR 8" AND SMALLER VALVES AND 60" FOR 10" AND LARGER VALVES.

CONCENTRIC CONES SHALL BE USED FOR VALVES WITH OPERATING NUTS LOCATED AT CENTER OF VAULT.

ECCENTRIC FLAT TOP UNITS SHALL BE USED FOR OFFSET OPERATING NUTS. FRAMES AND LIDS SHALL BE LOCATED OVER CENTER OF OPERATING NUT.

TYPICAL VALVE VAULT DETAIL

DATE	CITY OF MOLINE	
902	STANDARD	23



NOTE:
ALL CONNECTIONS ARE FLARE TYPE CONFORMING TO AWWA/ANSI C800

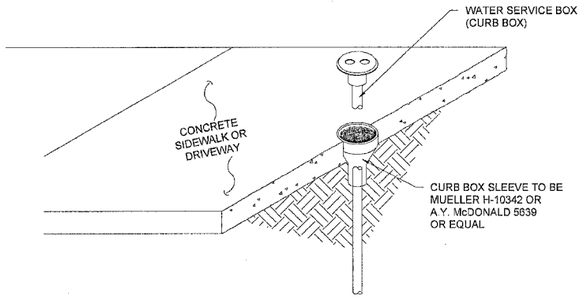
DIRECT TAP SERVICE PIPING (COPPER)

DATE	CITY OF MOLINE	
902	STANDARD	24

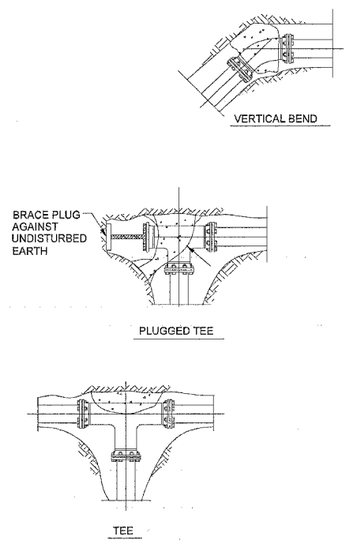
CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	332
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CITY OF MOLINE STANDARDS



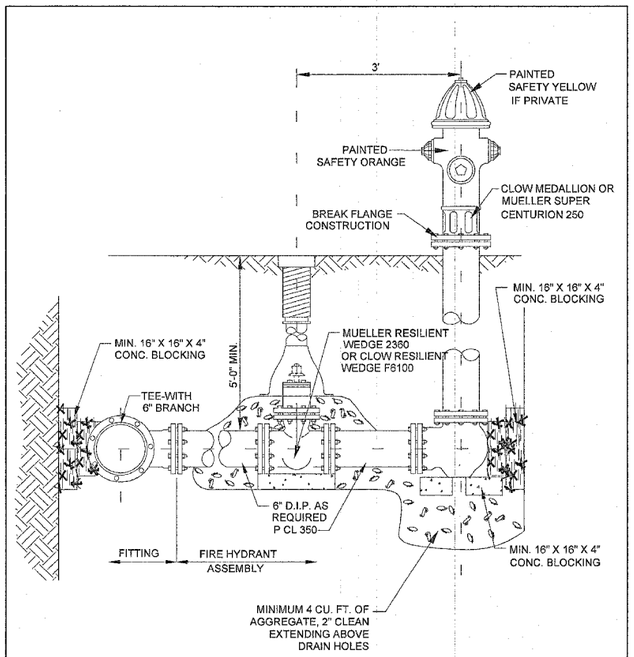
CURB BOX AND SLEEVE			
DATE	CITY OF MOLINE		25
1095	STANDARD		



NOTES:

ALL BLOCKS BEAR AGAINST UNDISTURBED EARTH.
ARROWS INDICATE DIRECTION OF THRUST.
ALL BLOCKS TO BE 3500 P.S.I. CONCRETE.
ALL FITTINGS SHOWN IN PLAN EXCEPT VERTICAL BEND.

THRUST BLOCK INSTALLATIONS			
DATE	CITY OF MOLINE		26
296	STANDARD		



FIRE HYDRANT ASSEMBLY			
DATE	CITY OF MOLINE		27
902	STANDARD		

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	333
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

595
590
585
580
575
570
565

591.12 591.12

STAGE 1
C=109 F=2

PROPOSED ROW

357+50.00

591.37 591.37

STAGE 1
C=110 F=2

PROPOSED ROW

357+13.68

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

MILAN BELTWAY CROSS SECTIONS

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	334
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SURVEY
NOTE BOOK
NO.
PLOTTED
TRACED
AREAS
AREAS CHECKED

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

595 590 585 580 575 570 565 560 555

590.44 590.44

STAGE 1
C=107 F=2

358+50.00

358+50.00
PROPOSED
ROW

590.78 590.78

STAGE 1
C=108 F=2

358+00.00

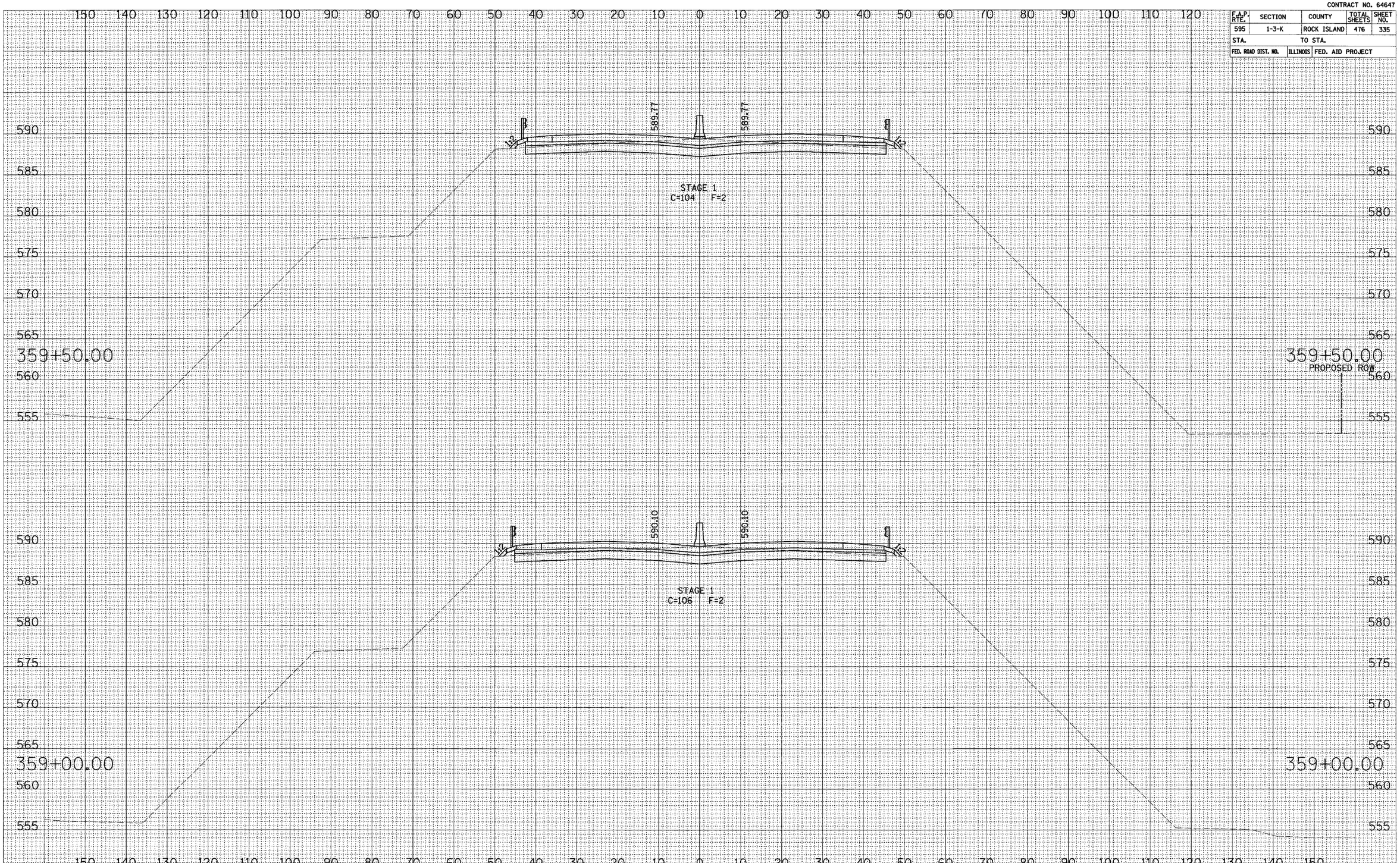
358+00.00

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

MILAN BELTWAY CROSS SECTIONS

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	335
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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

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

MILAN BELTWAY CROSS SECTIONS

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	336
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SURVEY
NOTE BOOK
NO.
PLOTTED
DRAWN
AREAS
AREAS CHECKED

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

590
585
580
575
570
565
560
555

589.17 589.17

STAGE 1
C=107 F=2

PROPOSED ROW

360+50.00

360+50.00

589.46 589.46

STAGE 1
C=104 F=2

PROPOSED ROW

360+00.00

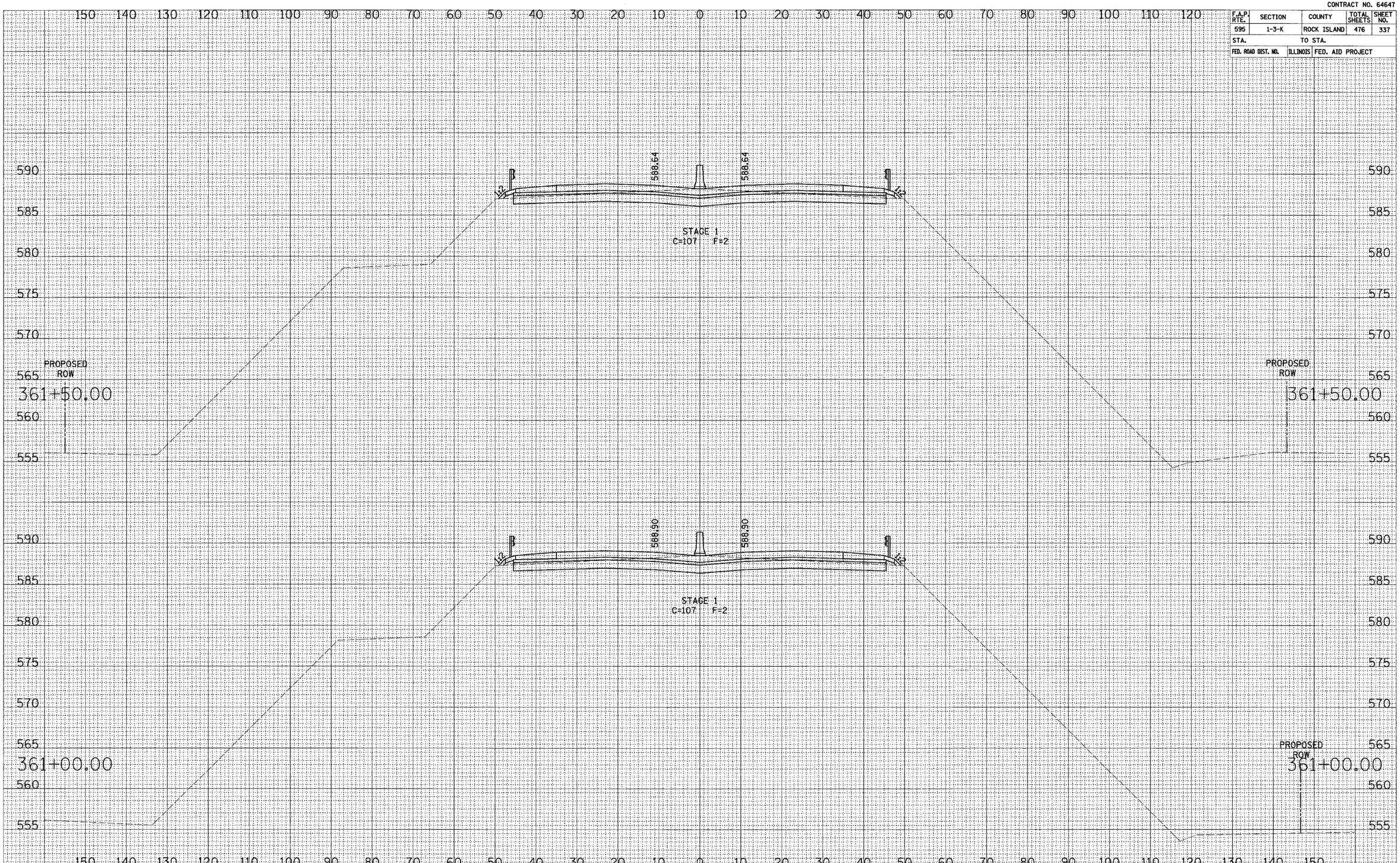
360+00.00

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

MILAN BELTWAY CROSS SECTIONS

CONTRACT NO. 64647

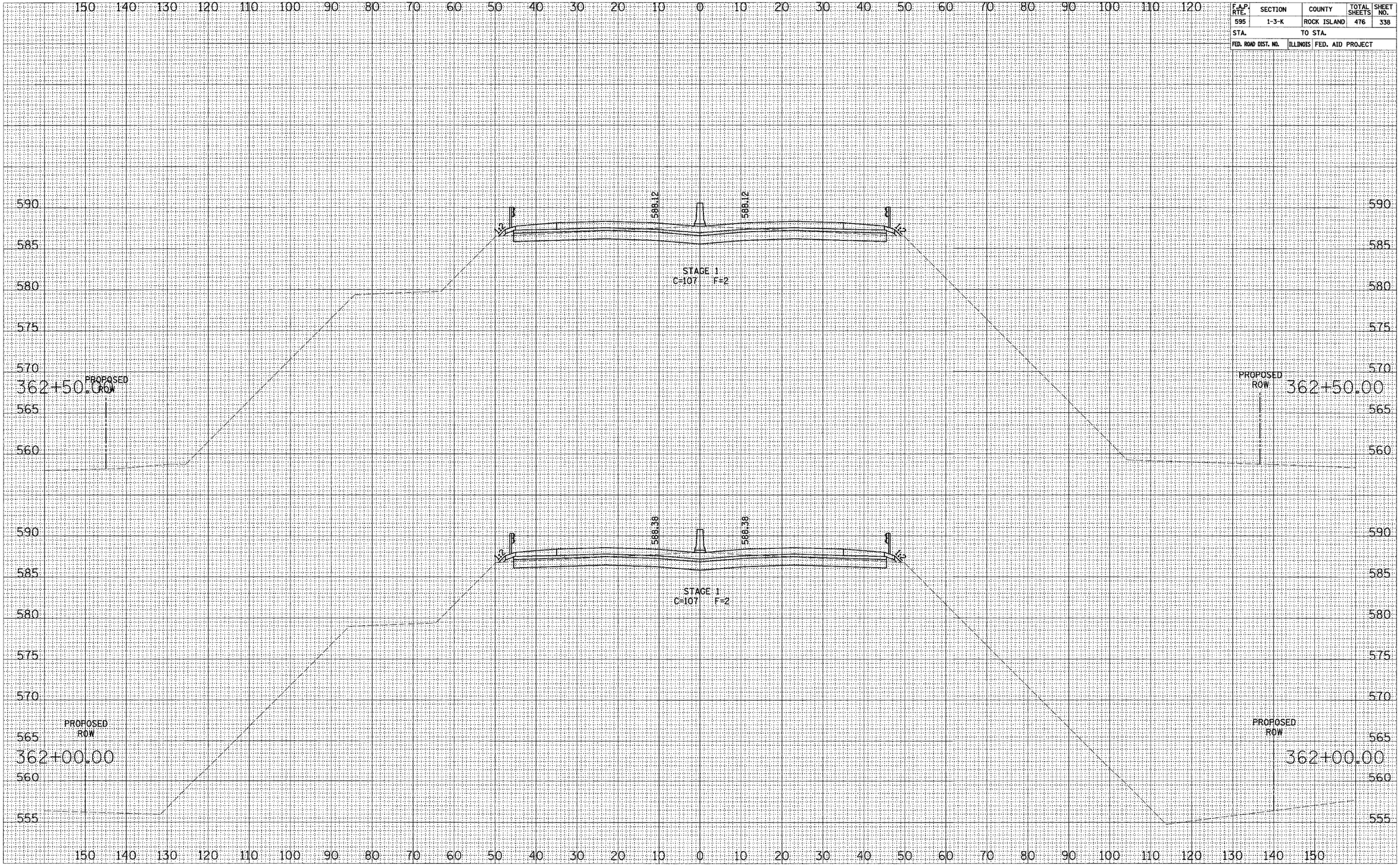
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	337
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



MILAN BELTWAY CROSS SECTIONS

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	338
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



MILAN BELTWAY CROSS SECTIONS

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	339
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SURVEY NOTE BOOK NO.
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED

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

590 585 580 575 570 565 560

PROPOSED ROW
363+50.00

587.60 587.60

STAGE 1
C=105 F=2

PROPOSED ROW
363+50.00

SURVEY NOTE BOOK NO.
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED

590 585 580 575 570 565

PROPOSED ROW
363+00.00

587.86 587.86

STAGE 1
C=107 F=2

PROPOSED ROW
363+00.00

590 585 580 575 570 565 560

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

MILAN BELTWAY CROSS SECTIONS

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	340
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

JOB NO.	PLOTTED
NOTE BOOK	TIME AT
NO.	AREAS
	AREAS CHECKED

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

580
575
570
565

381+50.00

578.24 578.24

1:6

STAGE 1
C=64 F=18

578.50 578.50

STAGE 1

381+00.00

590
585
580
575
570

587.34 587.34

4:2 4:2

STAGE 1
C=107 F=2

PROPOSED ROW

PROPOSED ROW

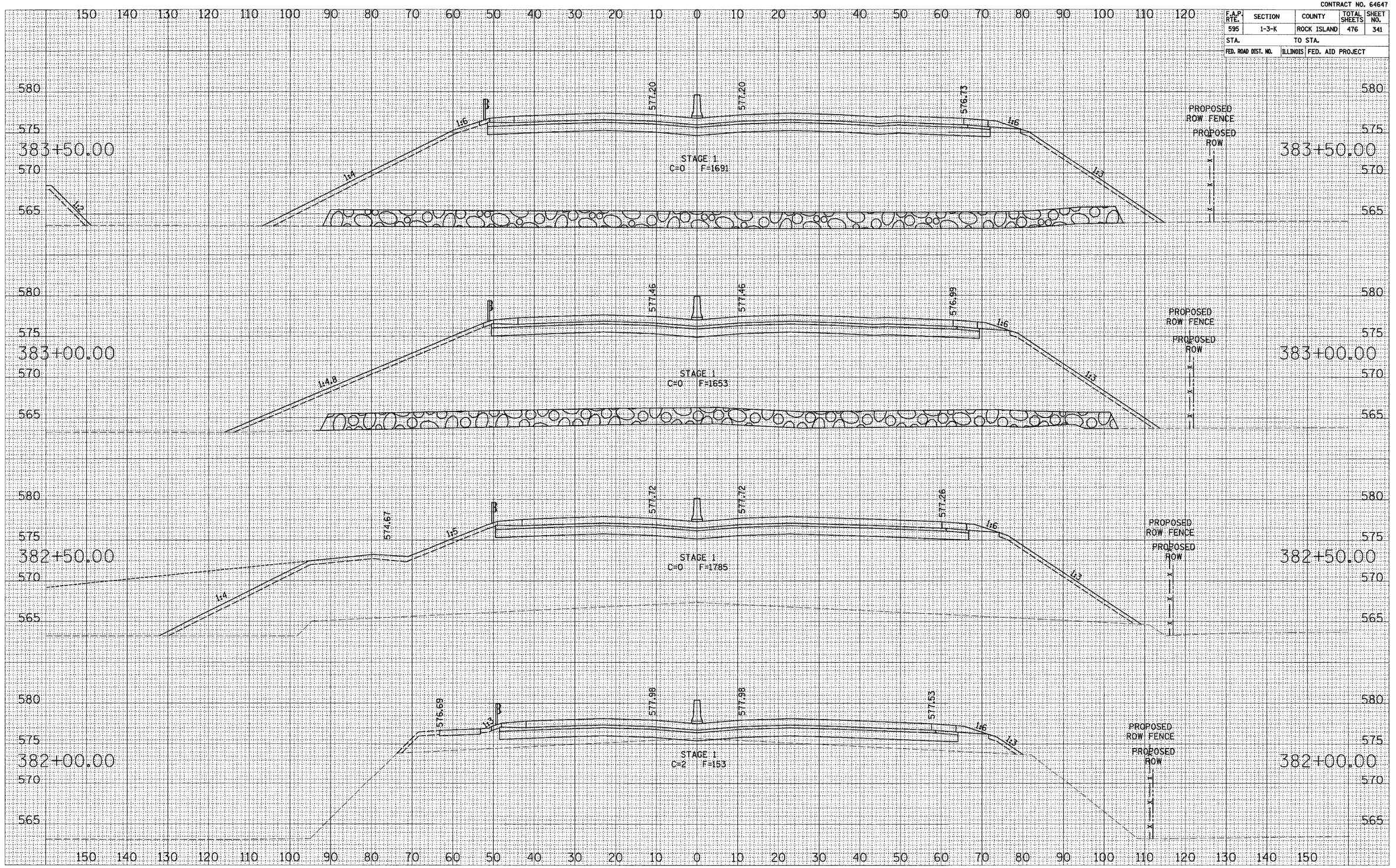
364+00.00

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

MILAN BELTWAY CROSS SECTIONS

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	341
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



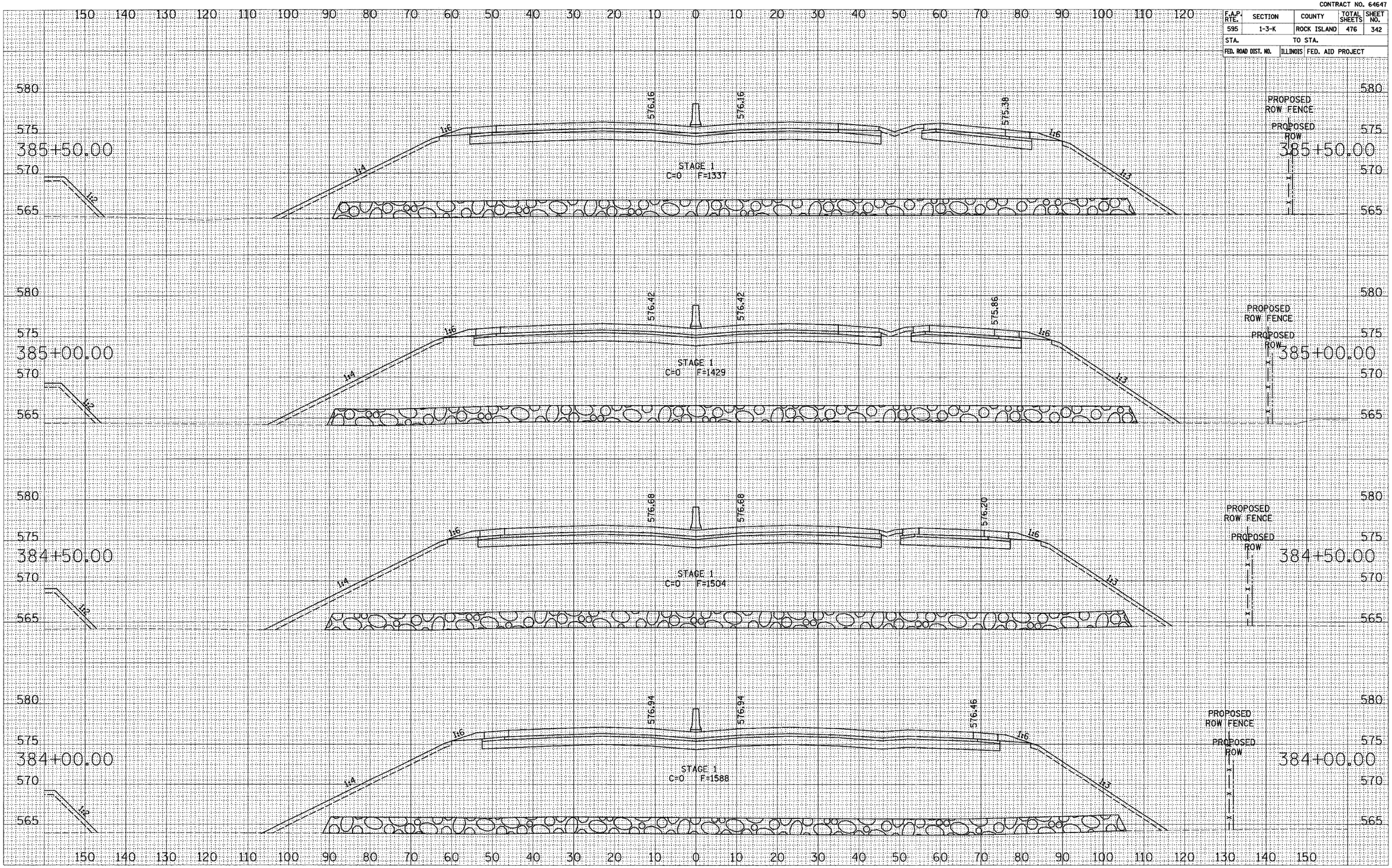
SURVEY NOTE BOOK NO. PLOTTED TEMPLATE AREAS AREAS CHECKED

SURVEY NOTE BOOK NO. PLOTTED TEMPLATE AREAS AREAS CHECKED

MILAN BELTWAY CROSS SECTIONS

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	342
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



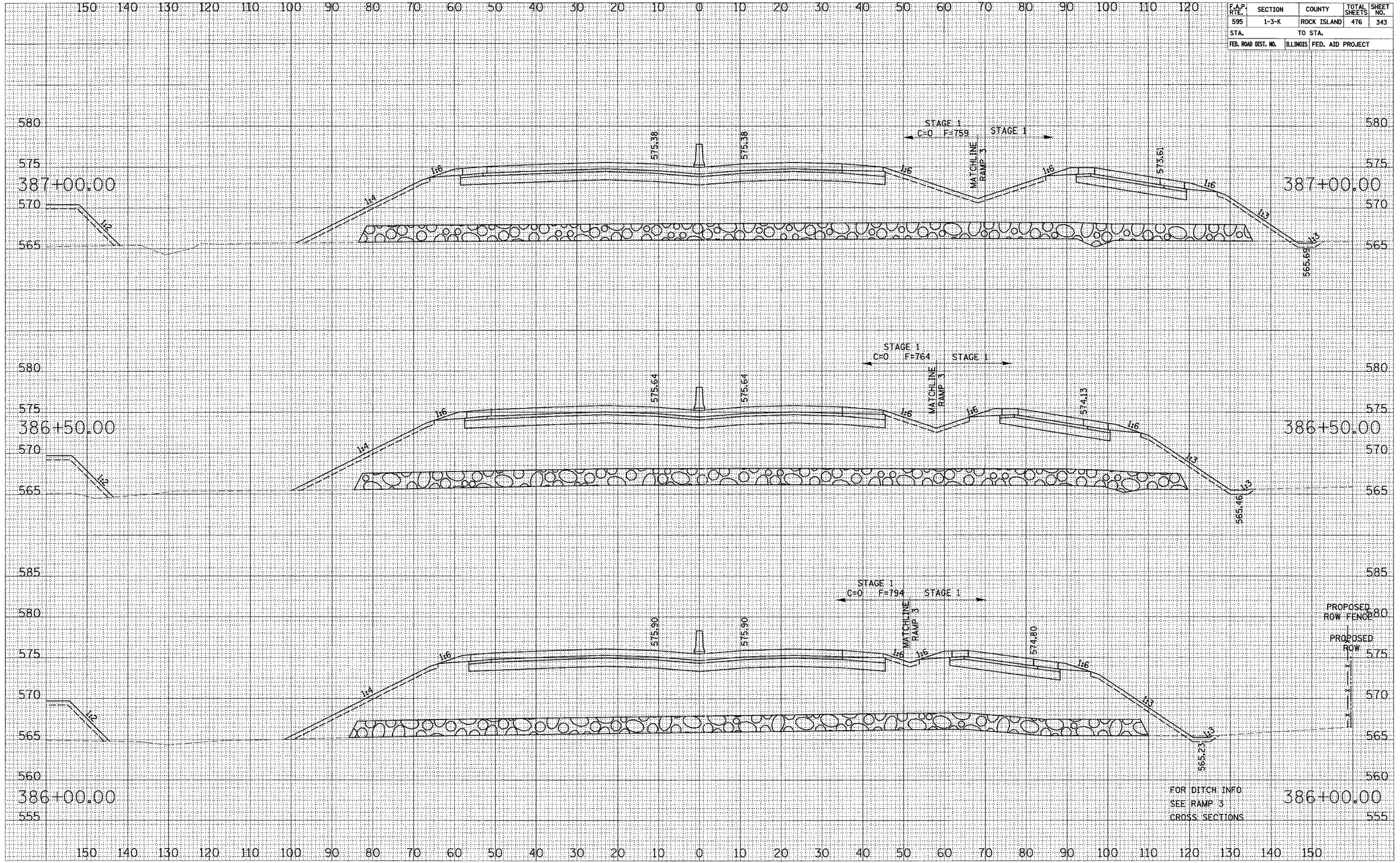
SURVEY NOTE BOOK NO. PLOTTED TEMPLATE AREAS AREAS CHECKED

SURVEY NOTE BOOK NO. PLOTTED TEMPLATE AREAS AREAS CHECKED

MILAN BELTWAY CROSS SECTIONS

CONTRACT NO. 64647

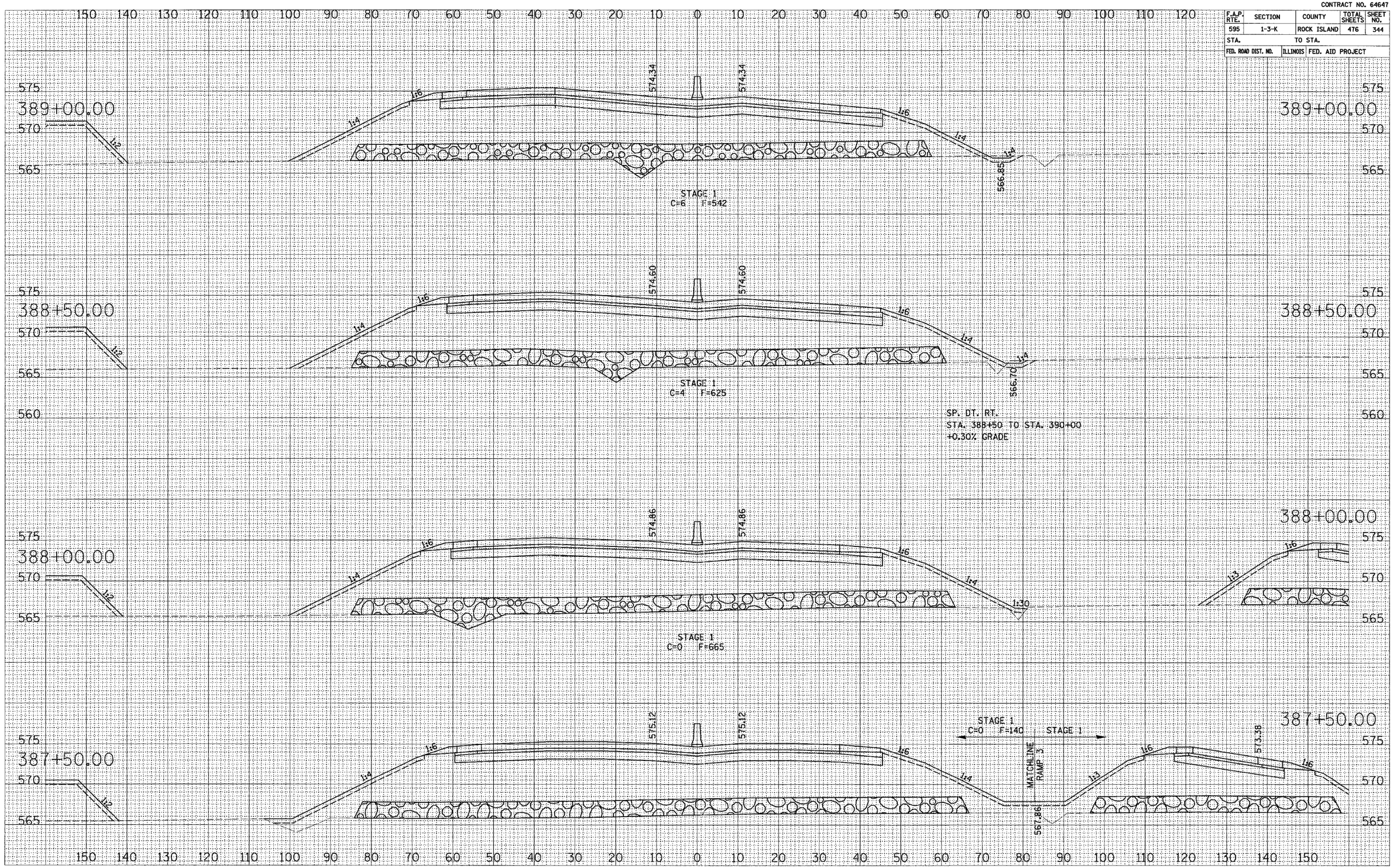
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	343
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



MILAN BELTWAY CROSS SECTIONS

CONTRACT NO. 64647

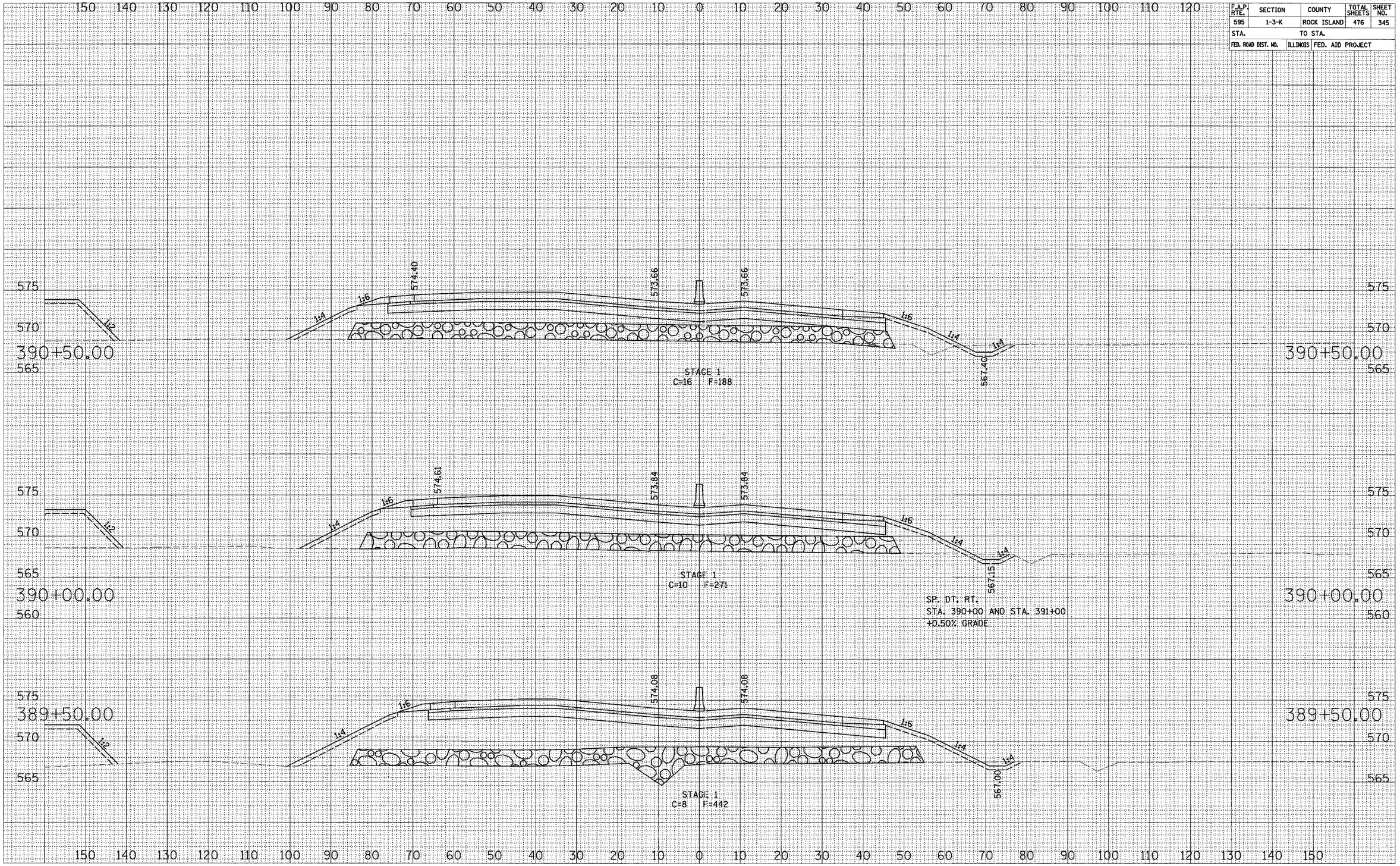
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	344
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



MILAN BELTWAY CROSS SECTIONS

CONTRACT NO. 64647

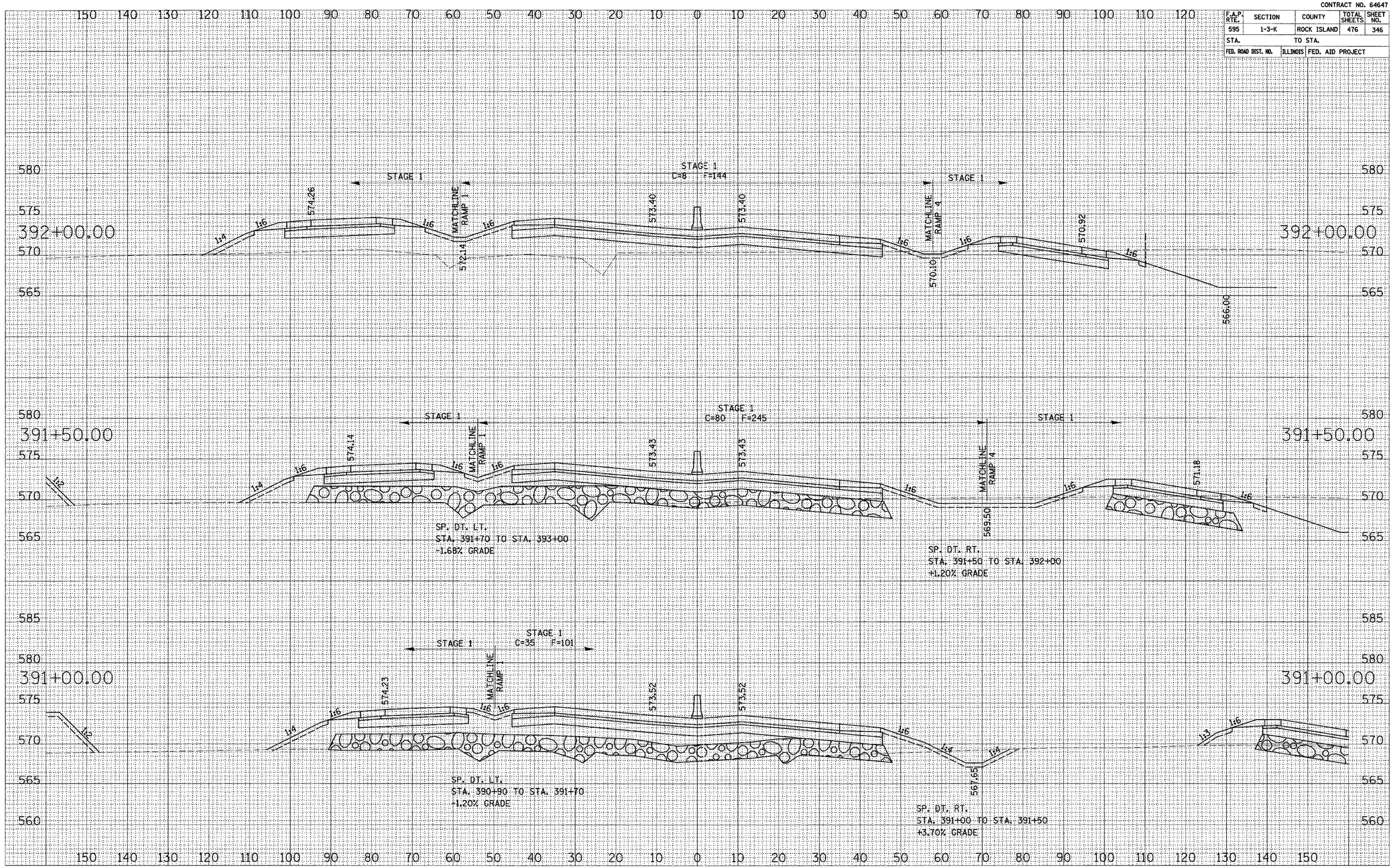
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	345
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



MILAN BELTWAY CROSS SECTIONS

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	346
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

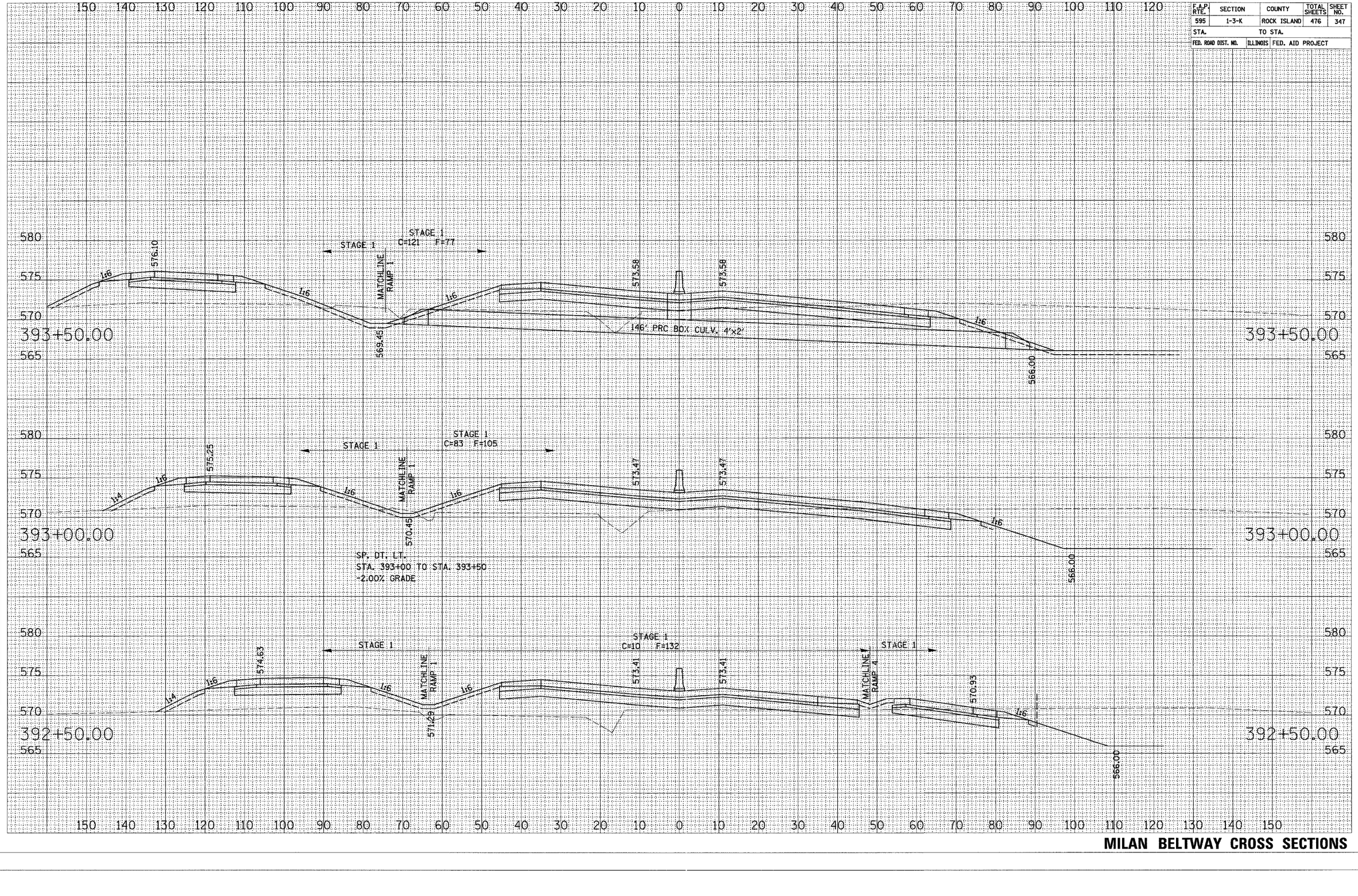


MILAN BELTWAY CROSS SECTIONS

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	347
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

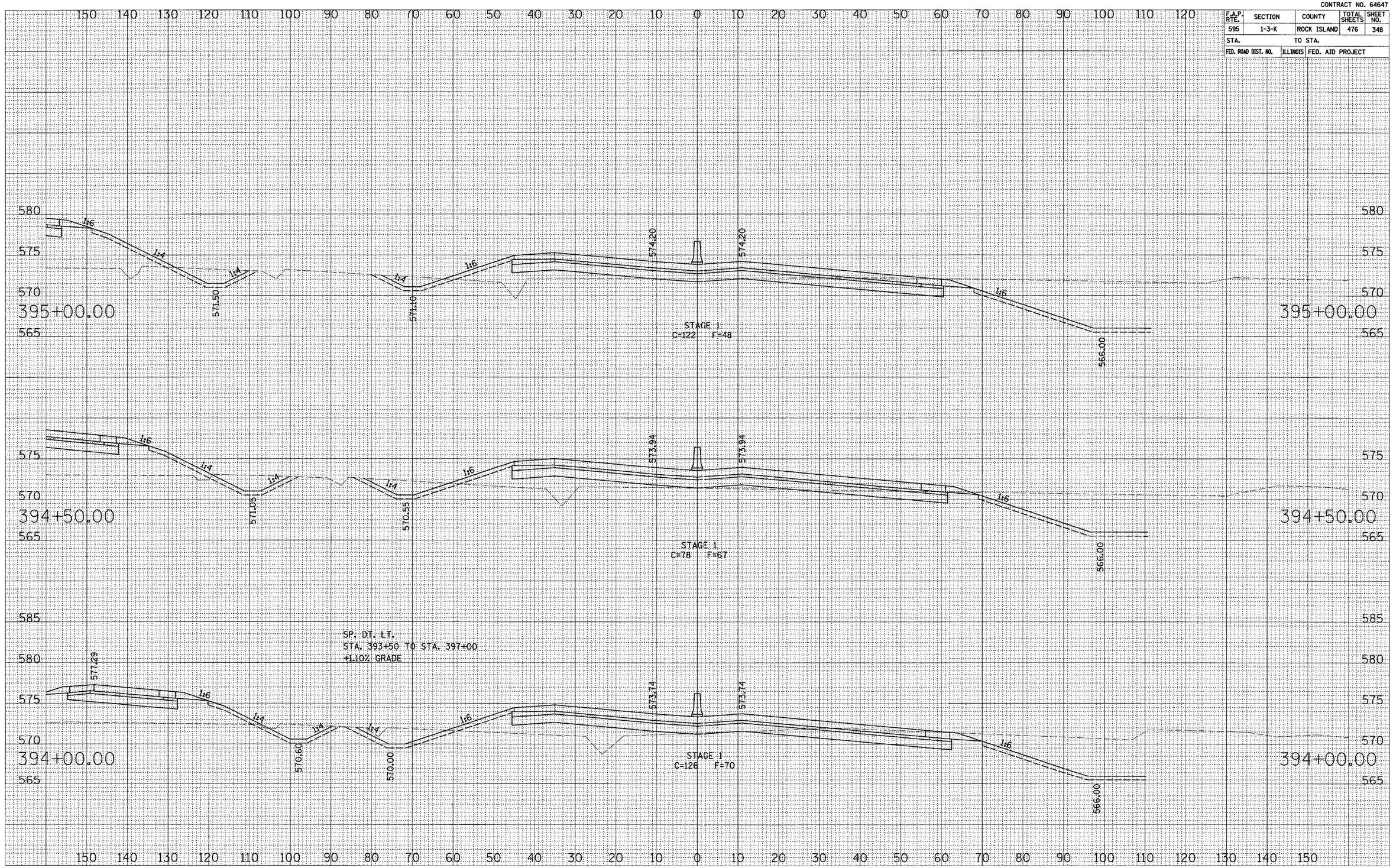
JOB NO.	PLOTTED
NOTE BOOK	TEMPLATE
NO.	AREAS
	AREAS CHECKED



MILAN BELTWAY CROSS SECTIONS

CONTRACT NO. 64647

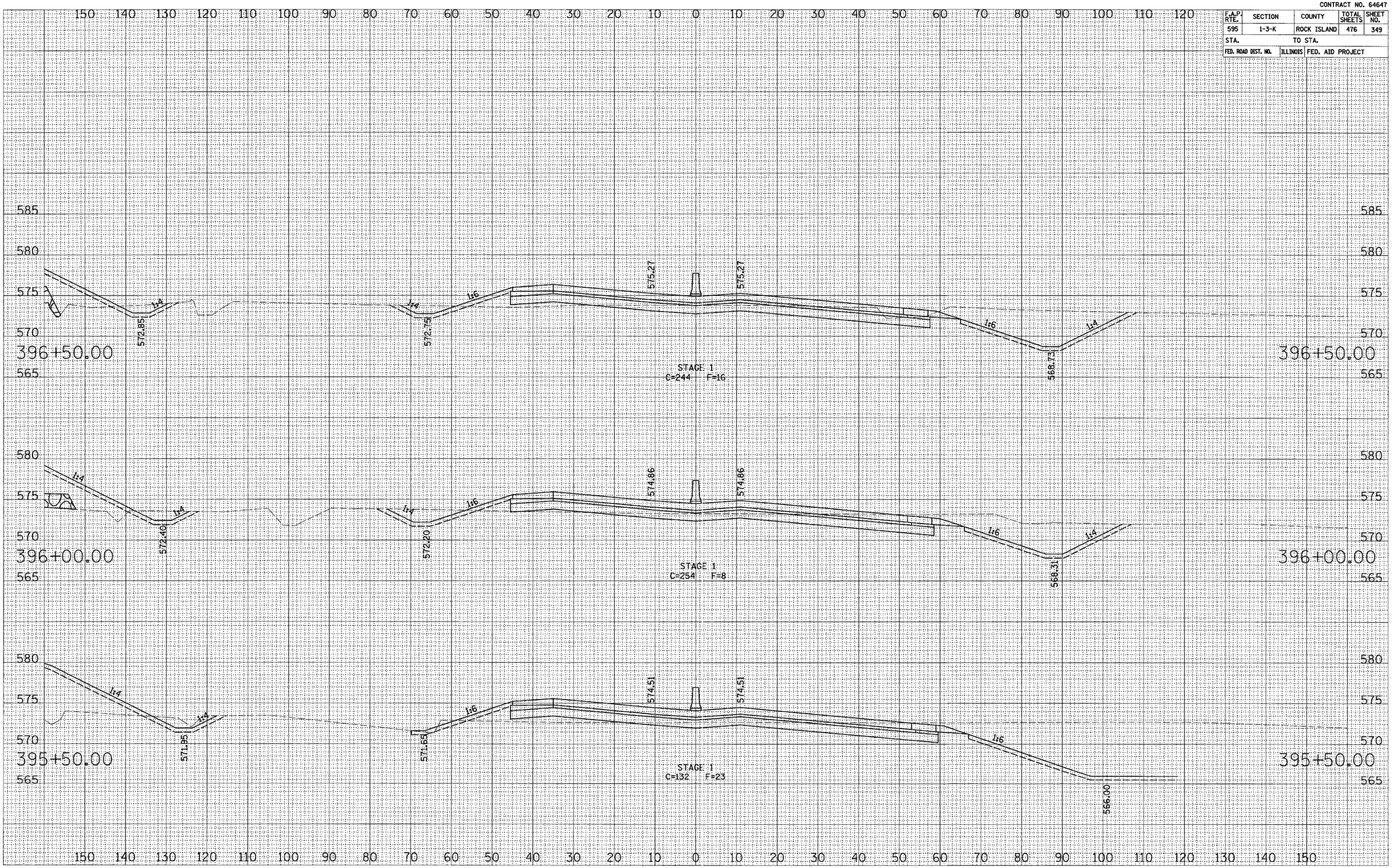
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	348
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



MILAN BELTWAY CROSS SECTIONS

CONTRACT NO. 64647

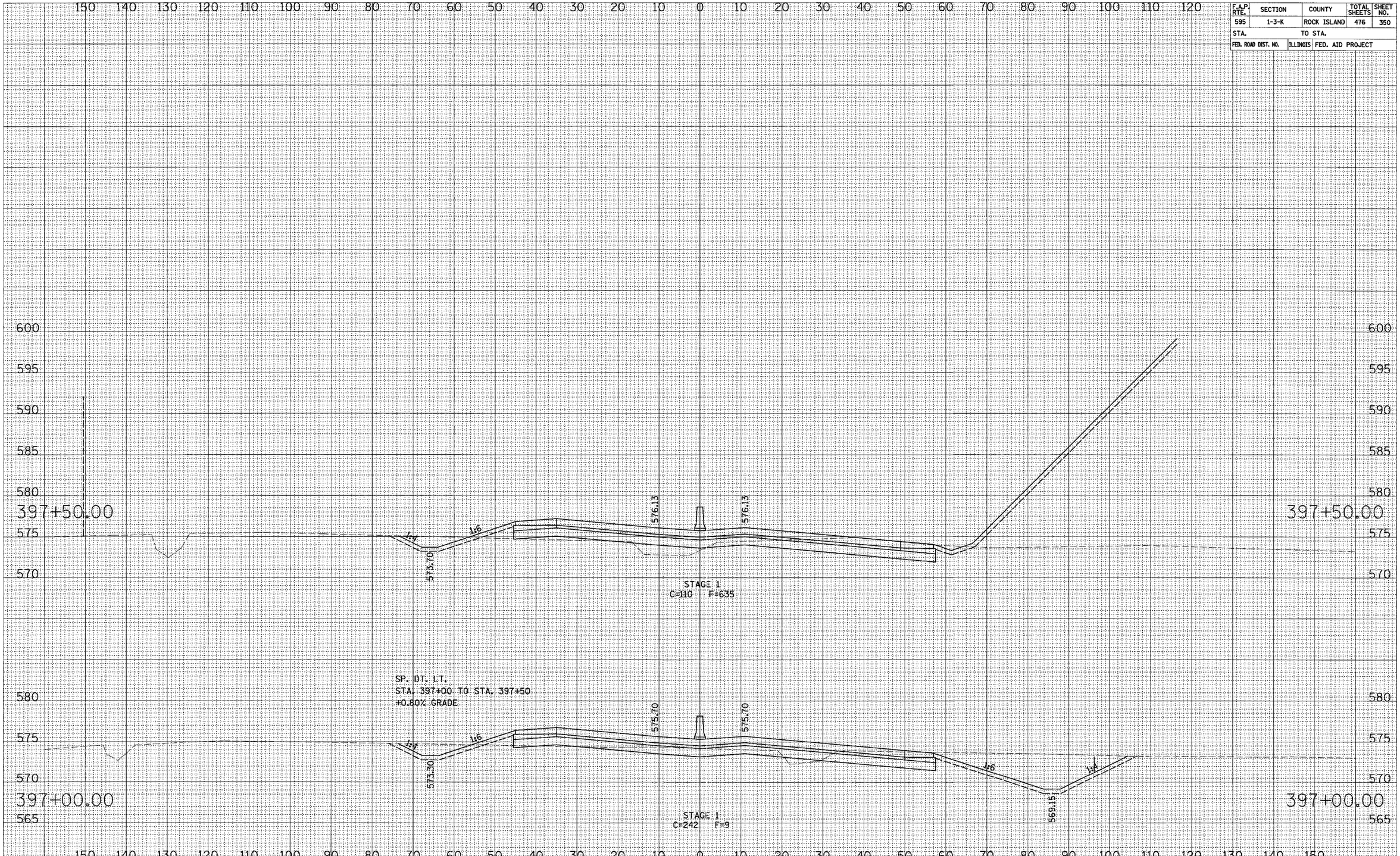
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	349
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



MILAN BELTWAY CROSS SECTIONS

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	350
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



MILAN BELTWAY CROSS SECTIONS

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	351
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SURVEY
NOTE BOOK
NO.
PLOTTED
TRAVERSE PT.
AREAS
AREAS CHECKED

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

595
590
585
580
575
570

398+50.00

576.99 576.99

STAGE 1
C=77 F=2132

398+00.00

576.56 576.56

STAGE 1
C=74 F=1266

MILAN BELTWAY CROSS SECTIONS

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	352
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

595 590 585 580 575 570

577.85 577.85

1:6 1:4

399+50.00

STAGE 1
C=255 F=46

571.75

399+50.00

590 585 580 575 570

577.42 577.42

1:6 1:4

STAGE 1
C=222 F=531

571.35

399+00.00

SP. DT. RT.
STA. 399+00 TO STA. 401+00
+0.80% GRADE

399+00.00

565

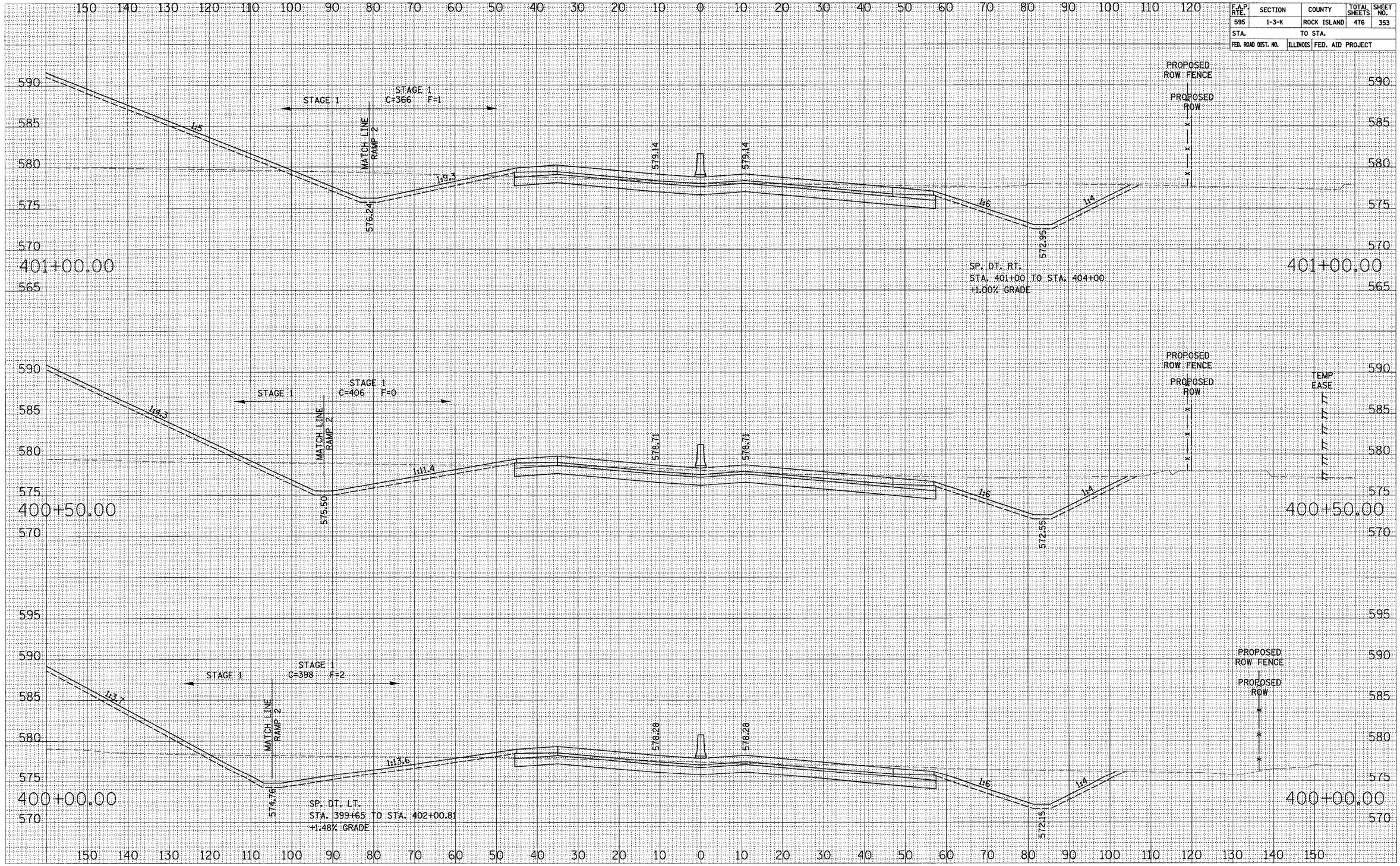
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

SURVEY
NOTE BOOK
NO.
PLOTTED
SURFACE
AREAS
AREAS CHECKED

MILAN BELTWAY CROSS SECTIONS

CONTRACT NO. 64647

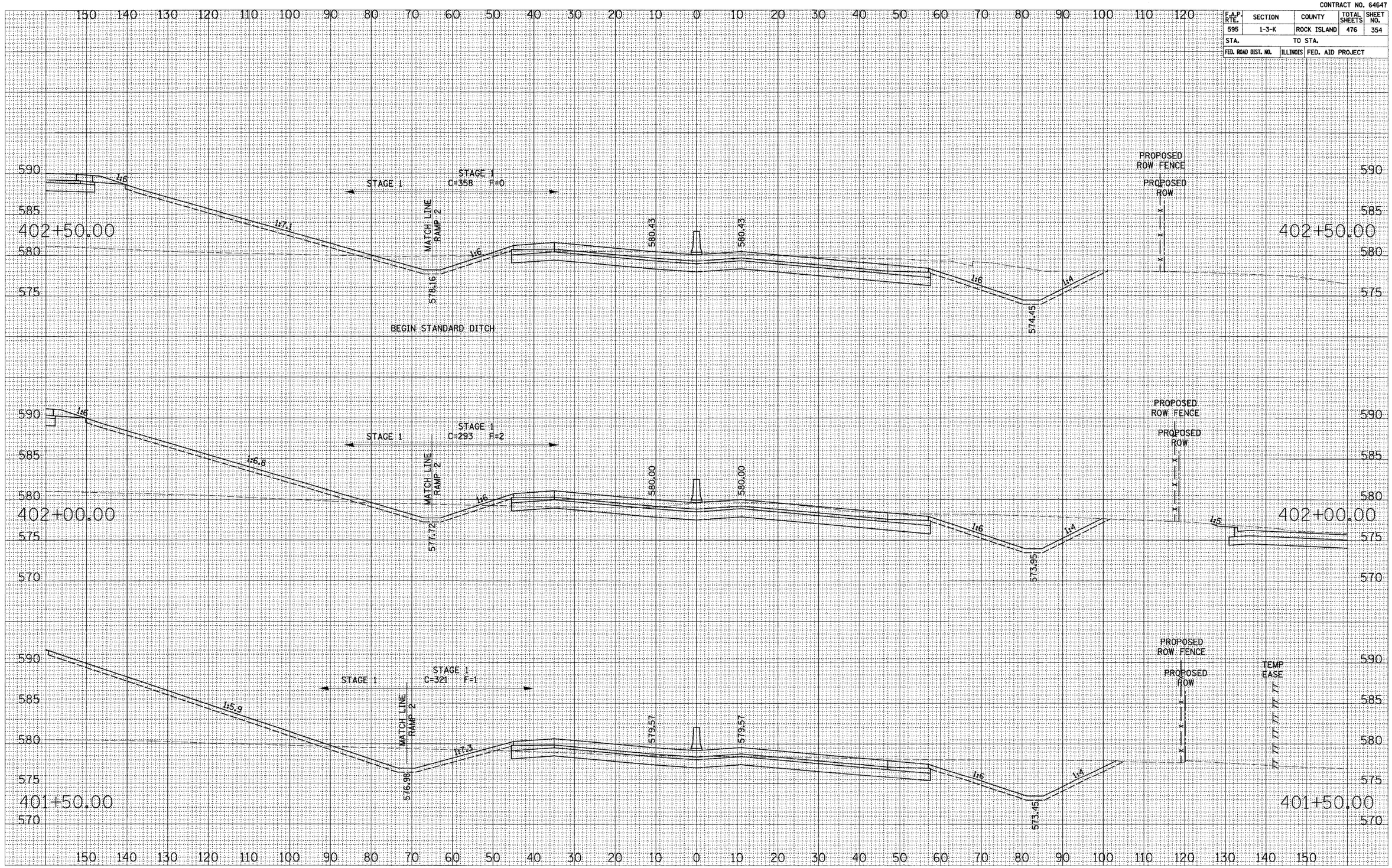
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	353
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



MILAN BELTWAY CROSS SECTIONS

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	354
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

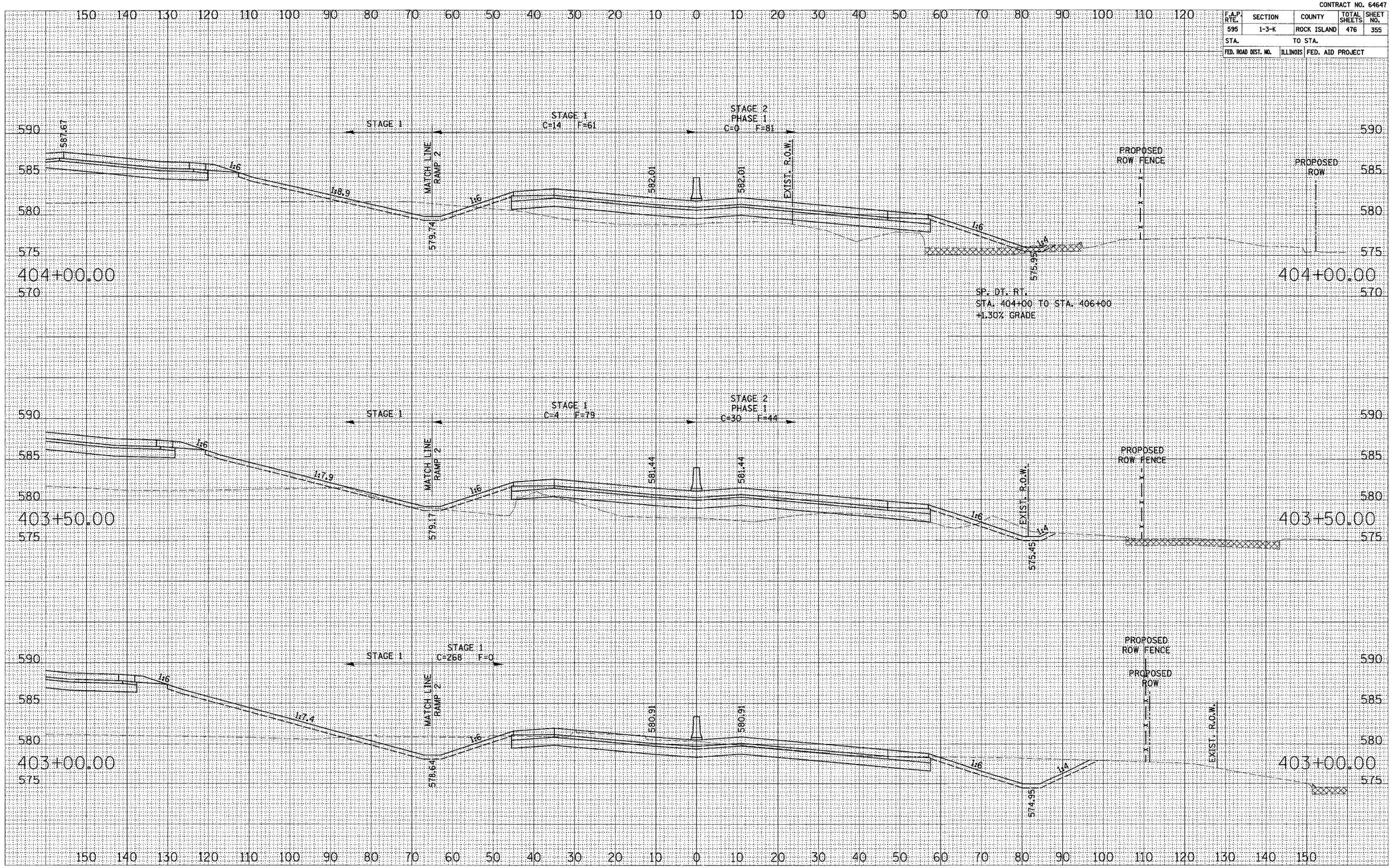


MILAN BELTWAY CROSS SECTIONS

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	355
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

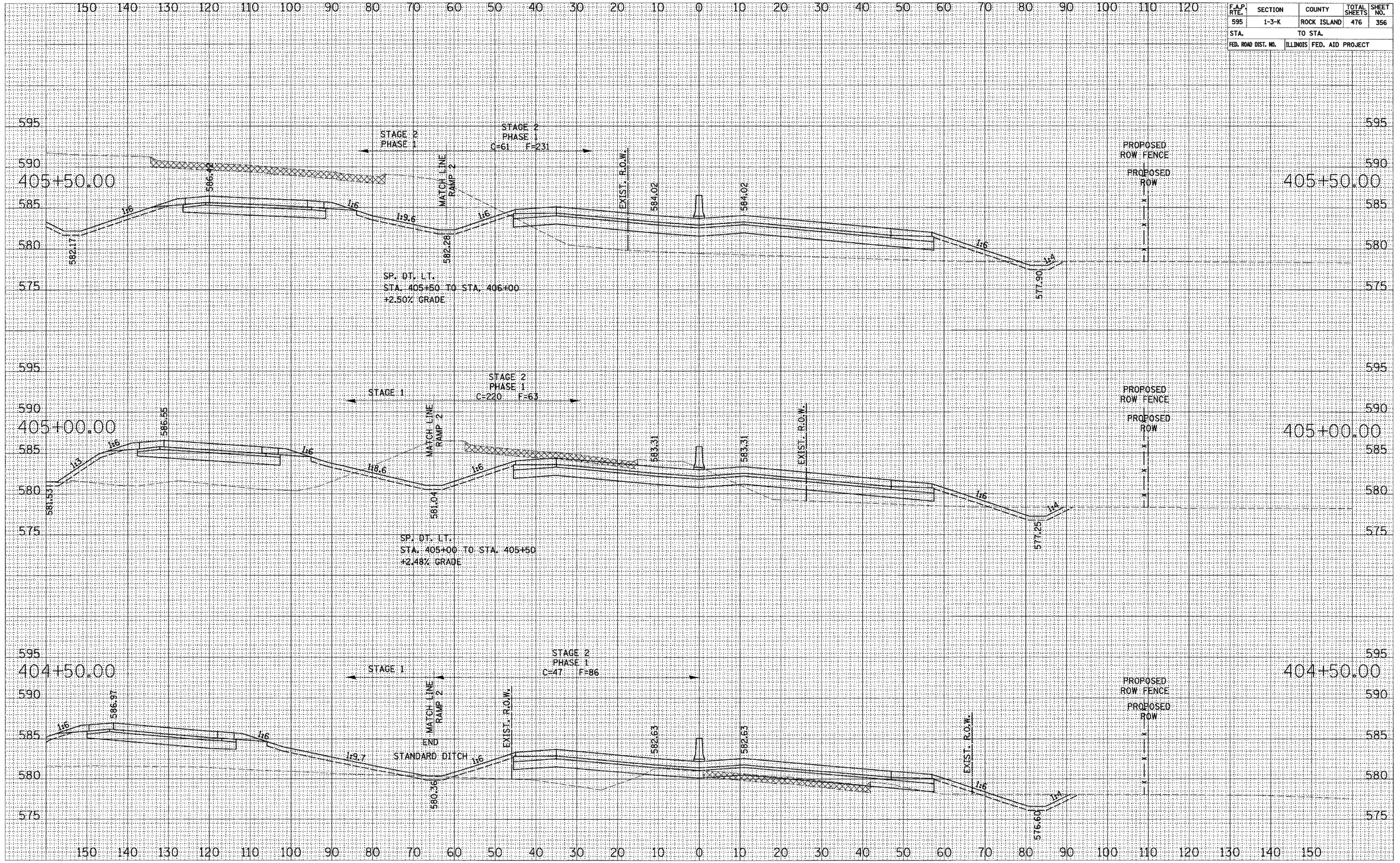
SURVEY	PLOTTED
NOTE BOOK	TRIANGULATE
NO.	AREAS
	AREAS CHECKED



MILAN BELTWAY CROSS SECTIONS

CONTRACT NO. 64647

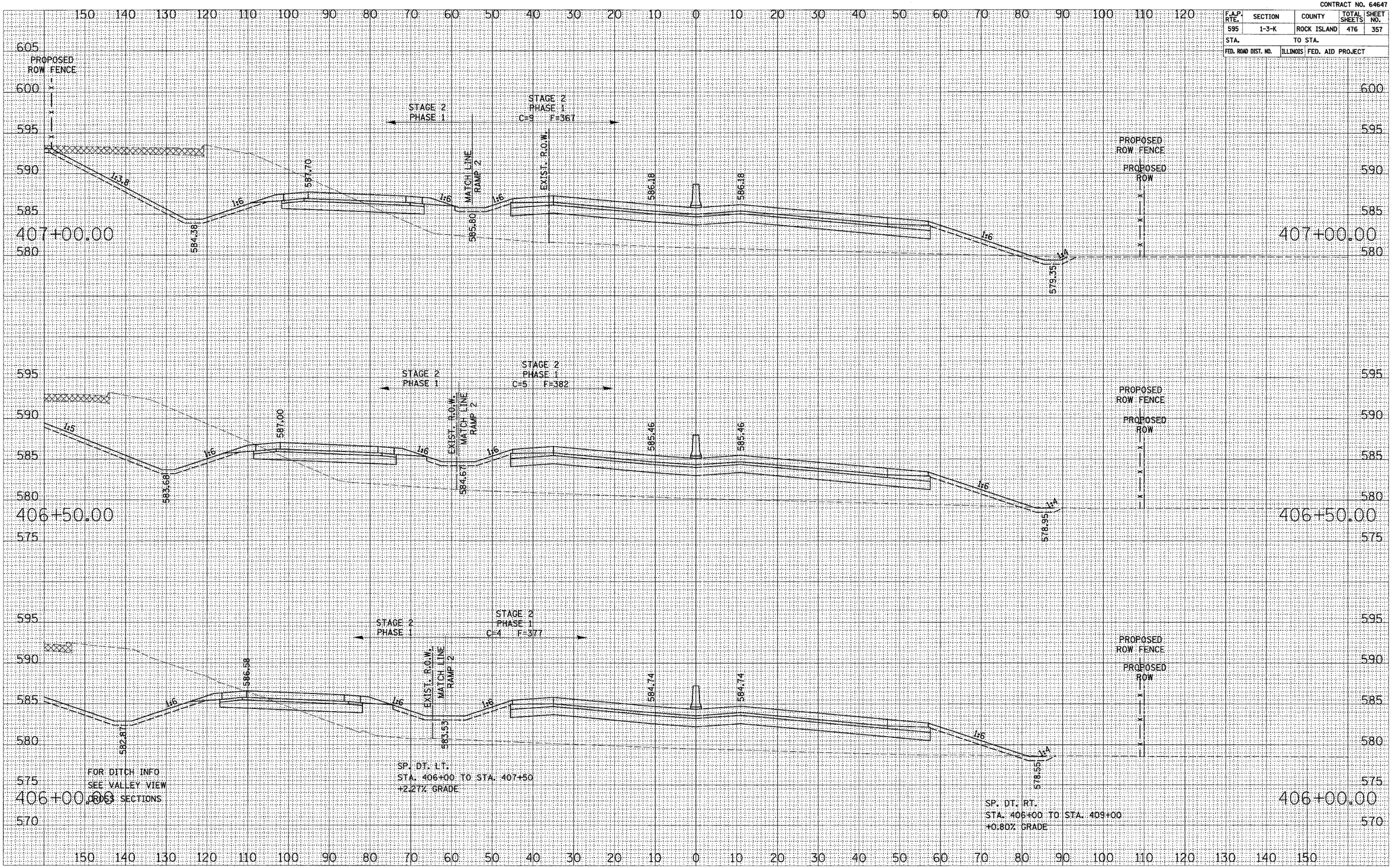
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	356
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



MILAN BELTWAY CROSS SECTIONS

CONTRACT NO. 64647

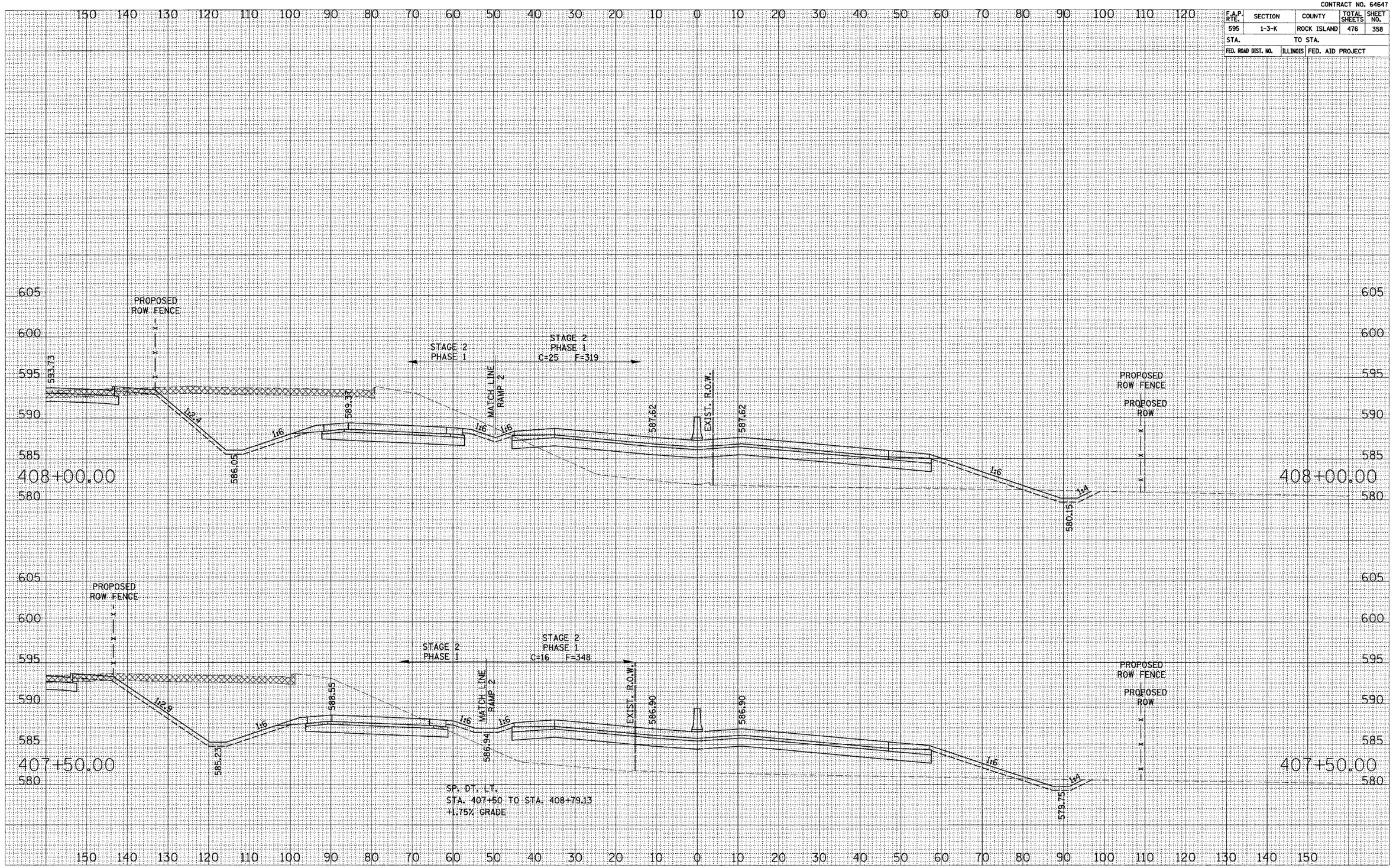
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	357
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



MILAN BELTWAY CROSS SECTIONS

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	358
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

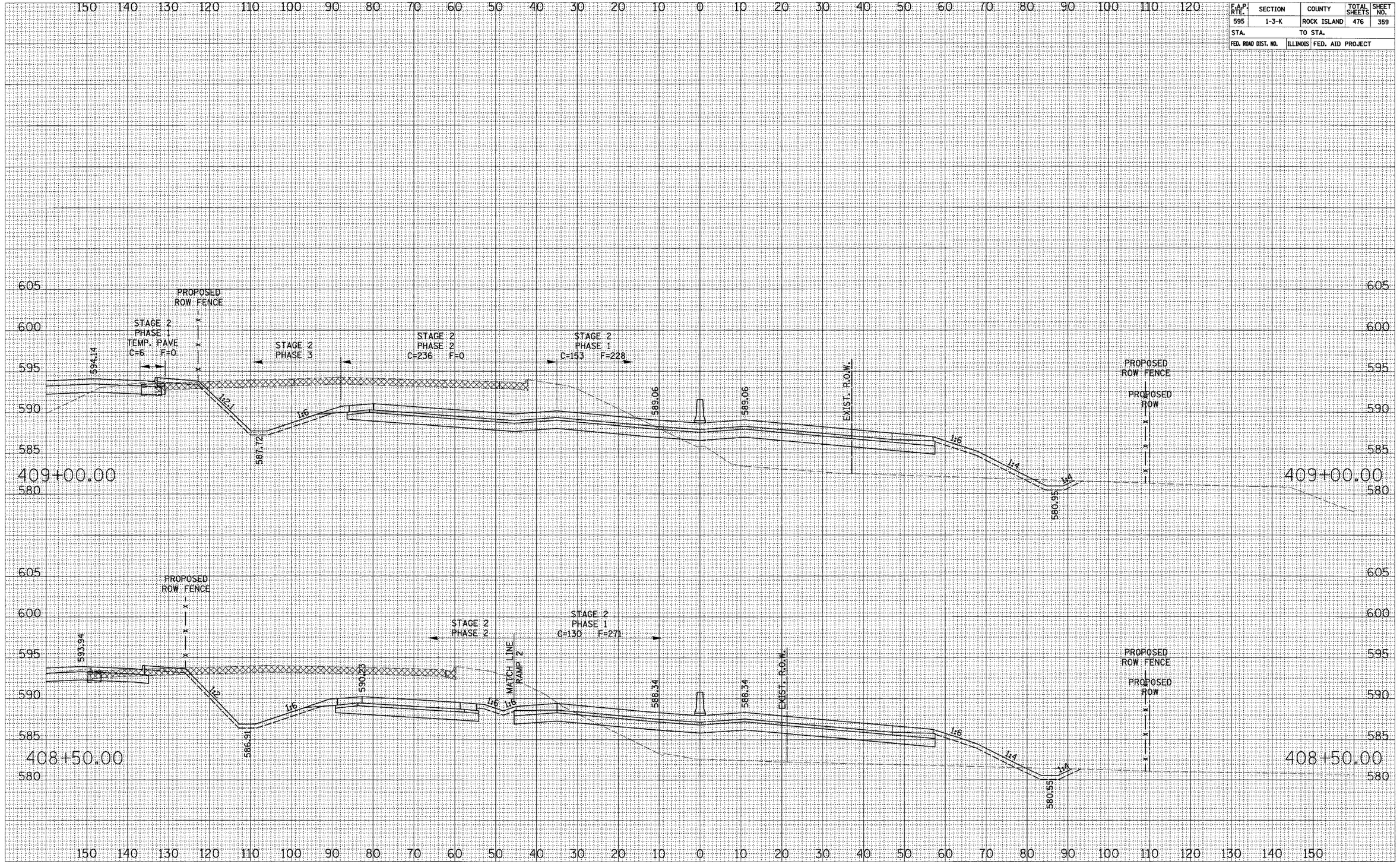


MILAN BELTWAY CROSS SECTIONS

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	359
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

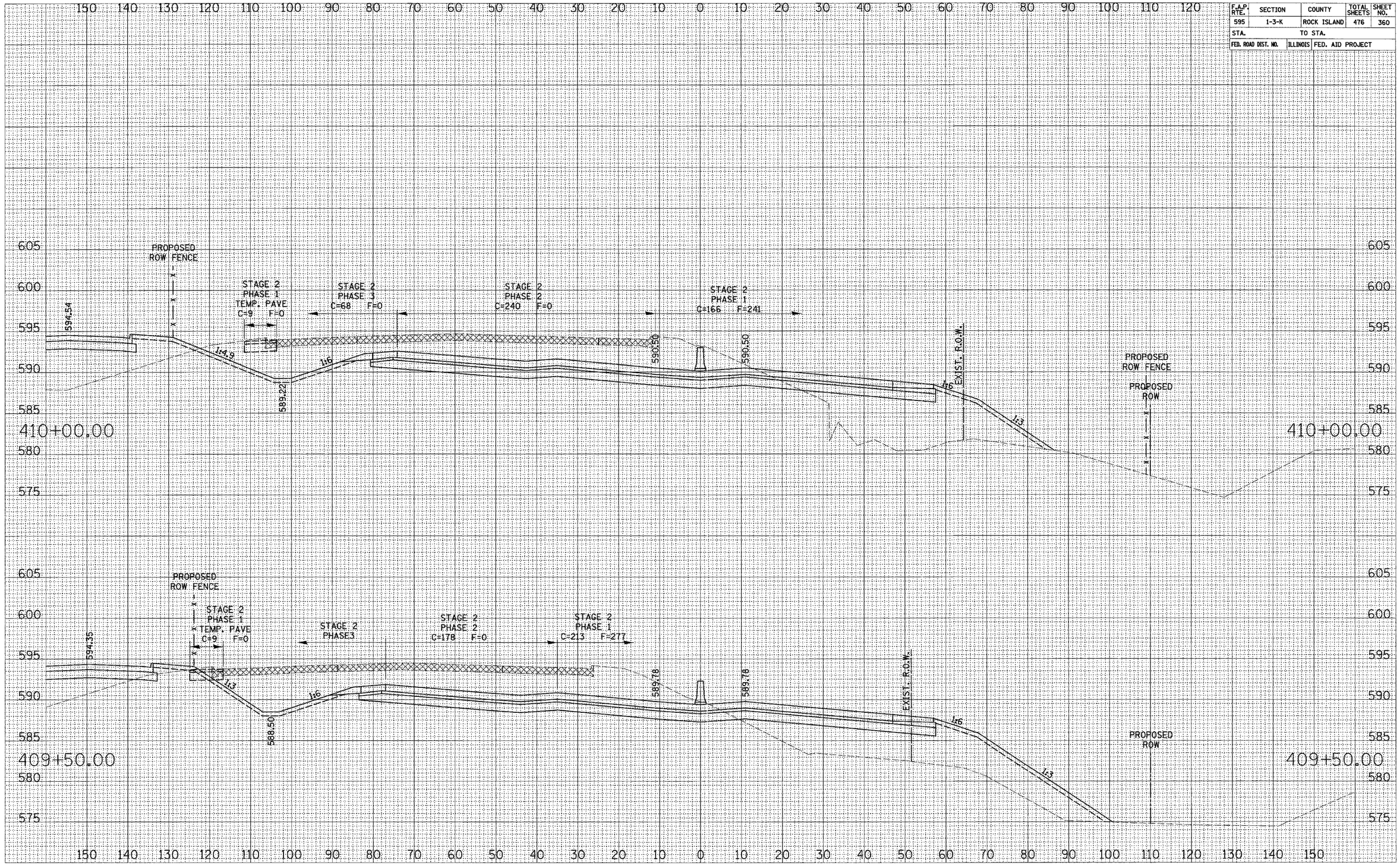
SURVEY
NOTE BOOK
NO.
PLOTTED
TOTAL AC.
AREAS
AREAS CHECKED



MILAN BELTWAY CROSS SECTIONS

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	360
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

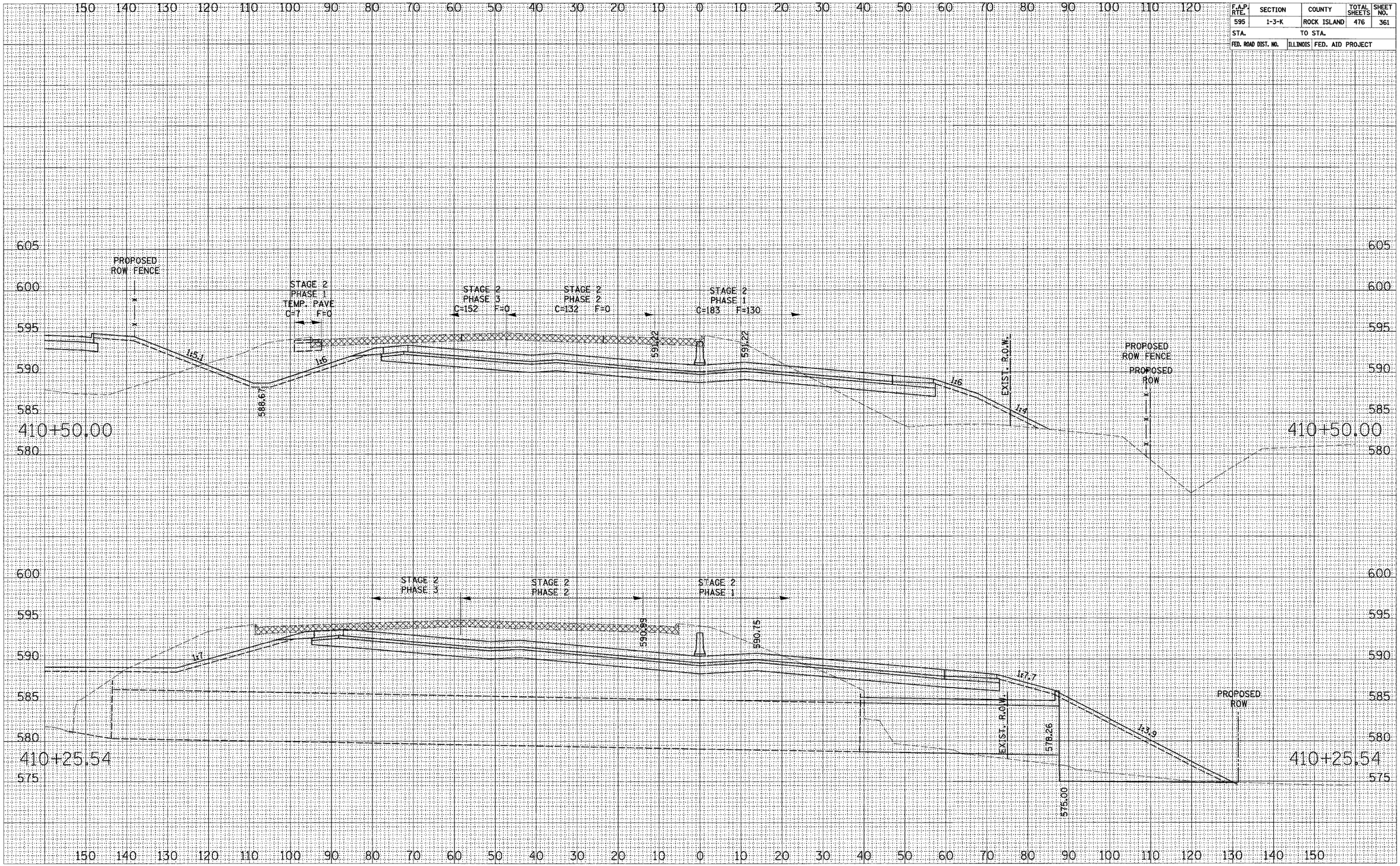


MILAN BELTWAY CROSS SECTIONS

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	361
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

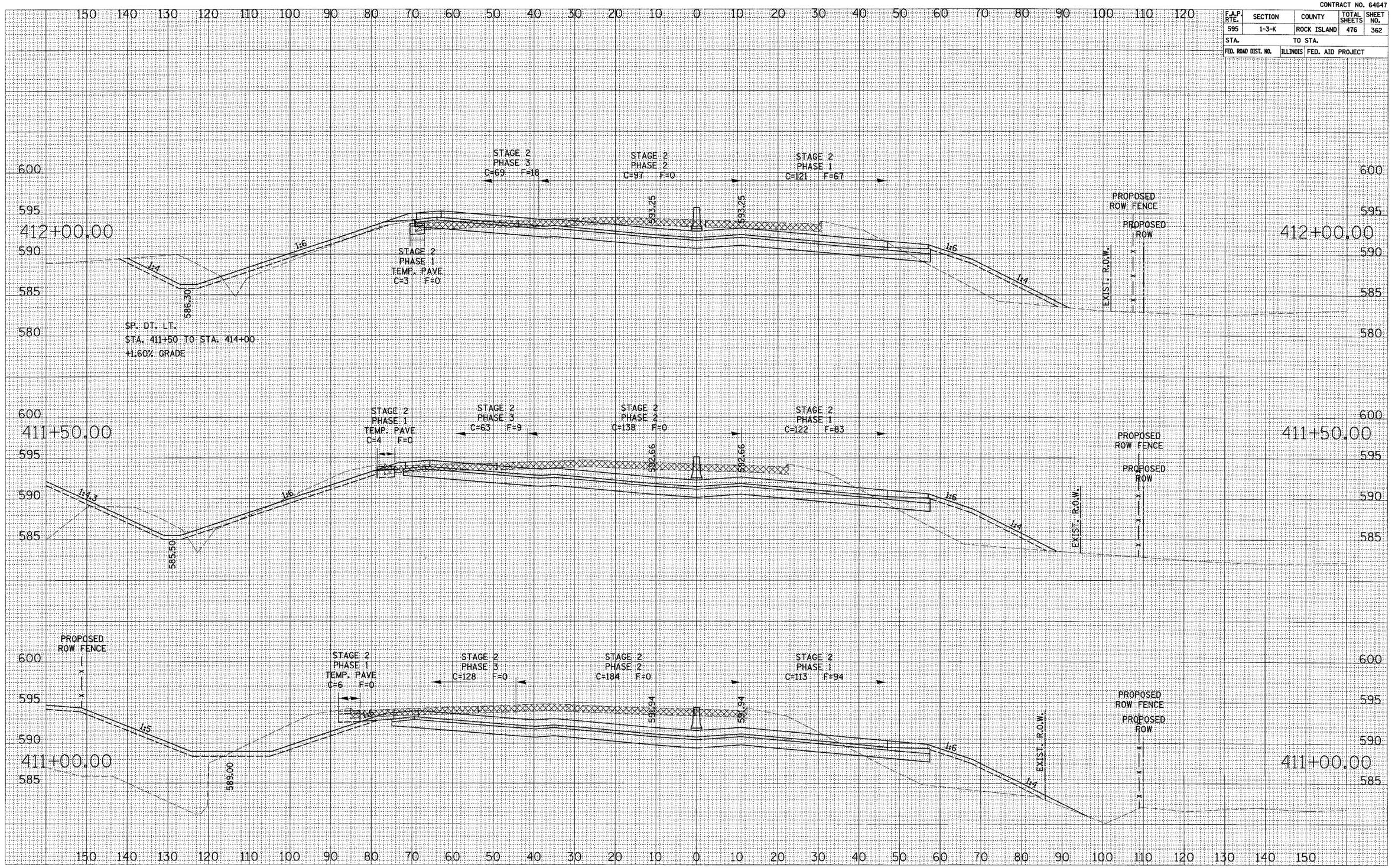
SURVEY
NOTE BOOK
NO.
PLOTTED
DRAWN
TRACED
AREAS CHECKED



MILAN BELTWAY CROSS SECTIONS

CONTRACT NO. 64647

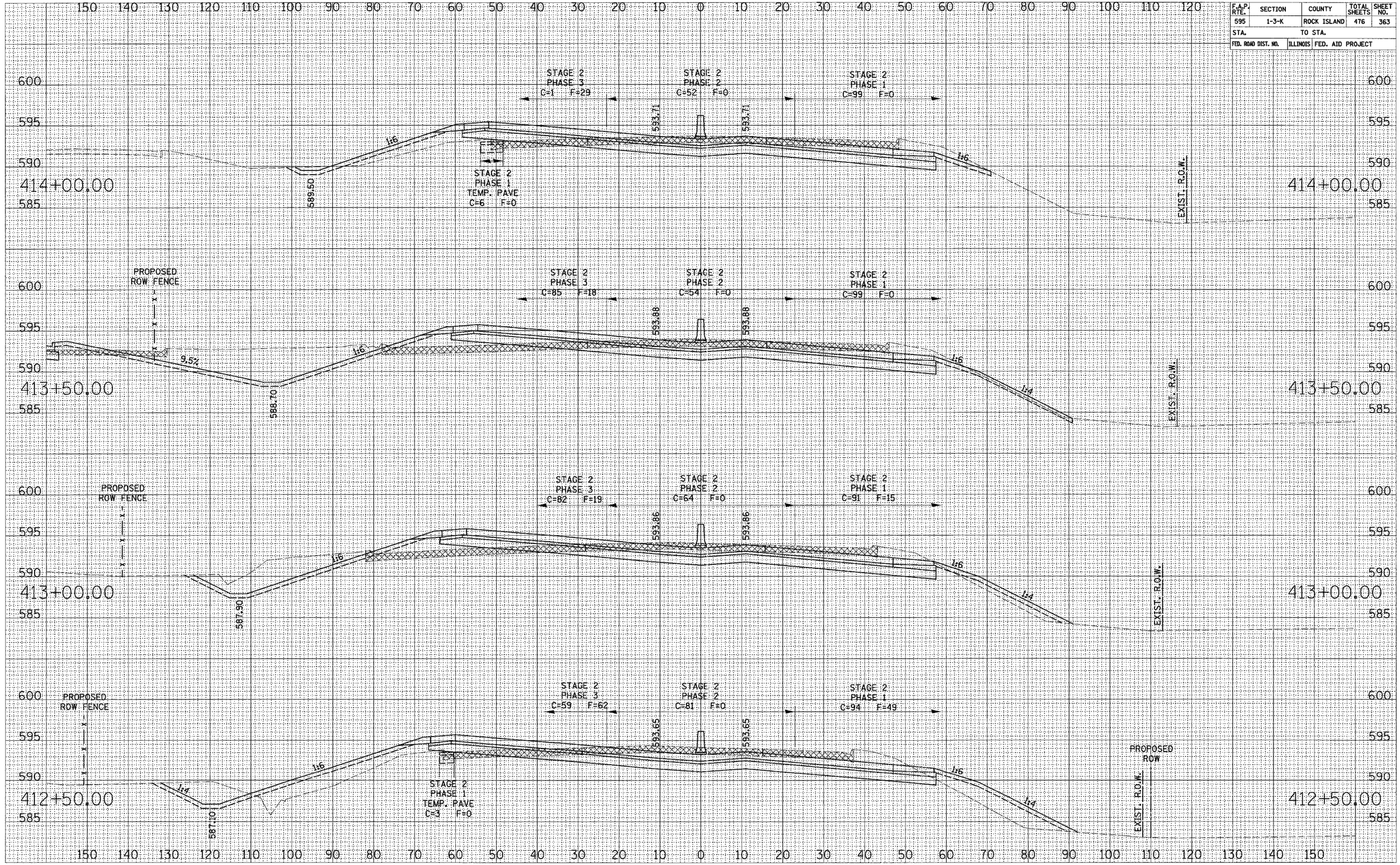
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	362
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



MILAN BELTWAY CROSS SECTIONS

CONTRACT NO. 64647

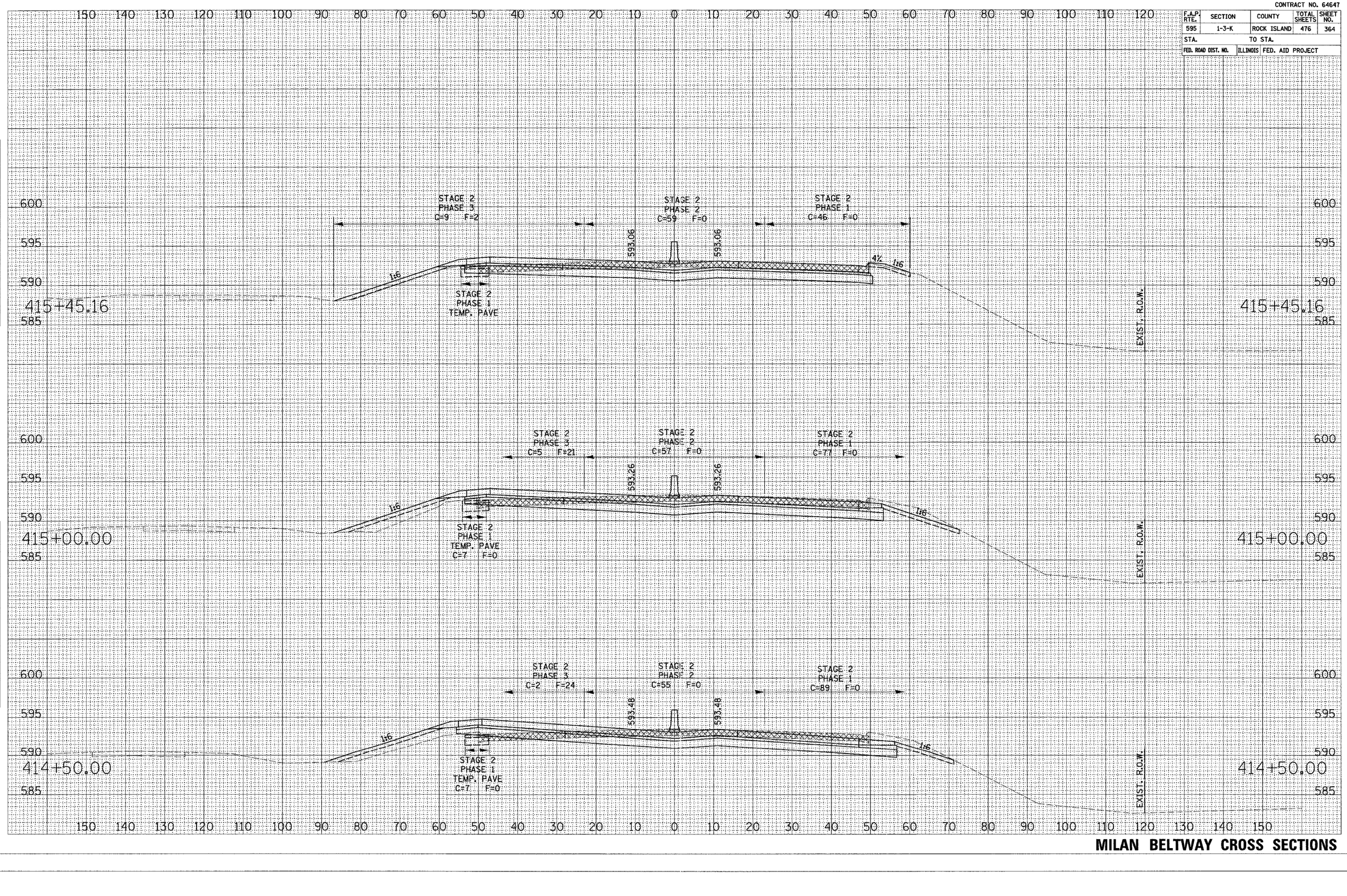
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	363
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



MILAN BELTWAY CROSS SECTIONS

CONTRACT NO. 64647

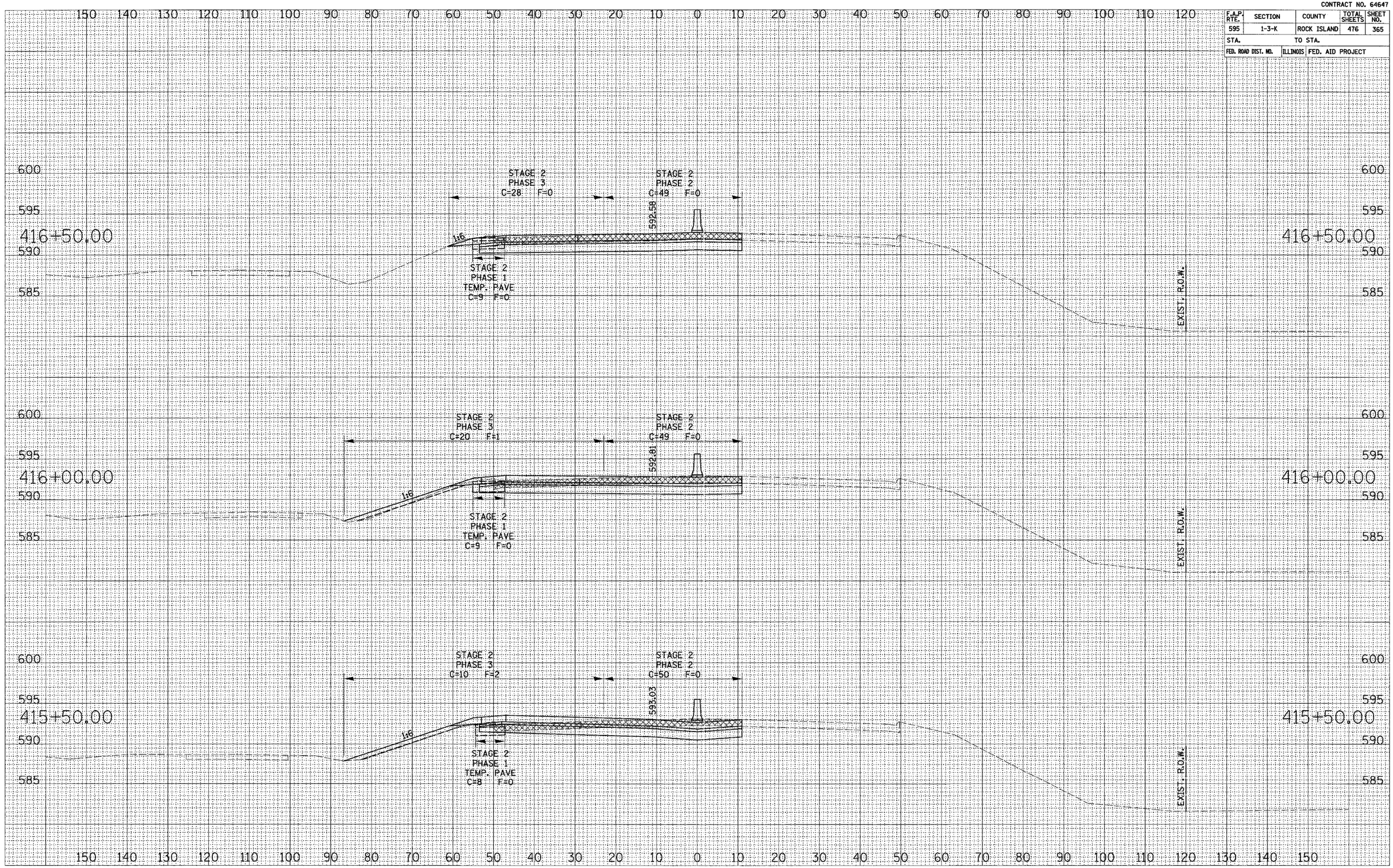
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	364
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



MILAN BELTWAY CROSS SECTIONS

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	365
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



MILAN BELTWAY CROSS SECTIONS

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	366
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUPPLY | PLOTTED | NOTE BOOK | TRACINGS | NO. | AREAS | AREAS CHECKED

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

600
595
590
585
580

417+10.16

STAGE 2
PHASE 3
C=30 F=0

STAGE 2
PHASE 2
C=52 F=0

592.31

1.64%

STAGE 2
PHASE 1
TEMP. PAVE

EXIST. R.O.W.

417+00.00

STAGE 2
PHASE 3
C=29 F=0

STAGE 2
PHASE 2
C=51 F=0

592.36

1.64%

STAGE 2
PHASE 1
TEMP. PAVE
C=10 F=0

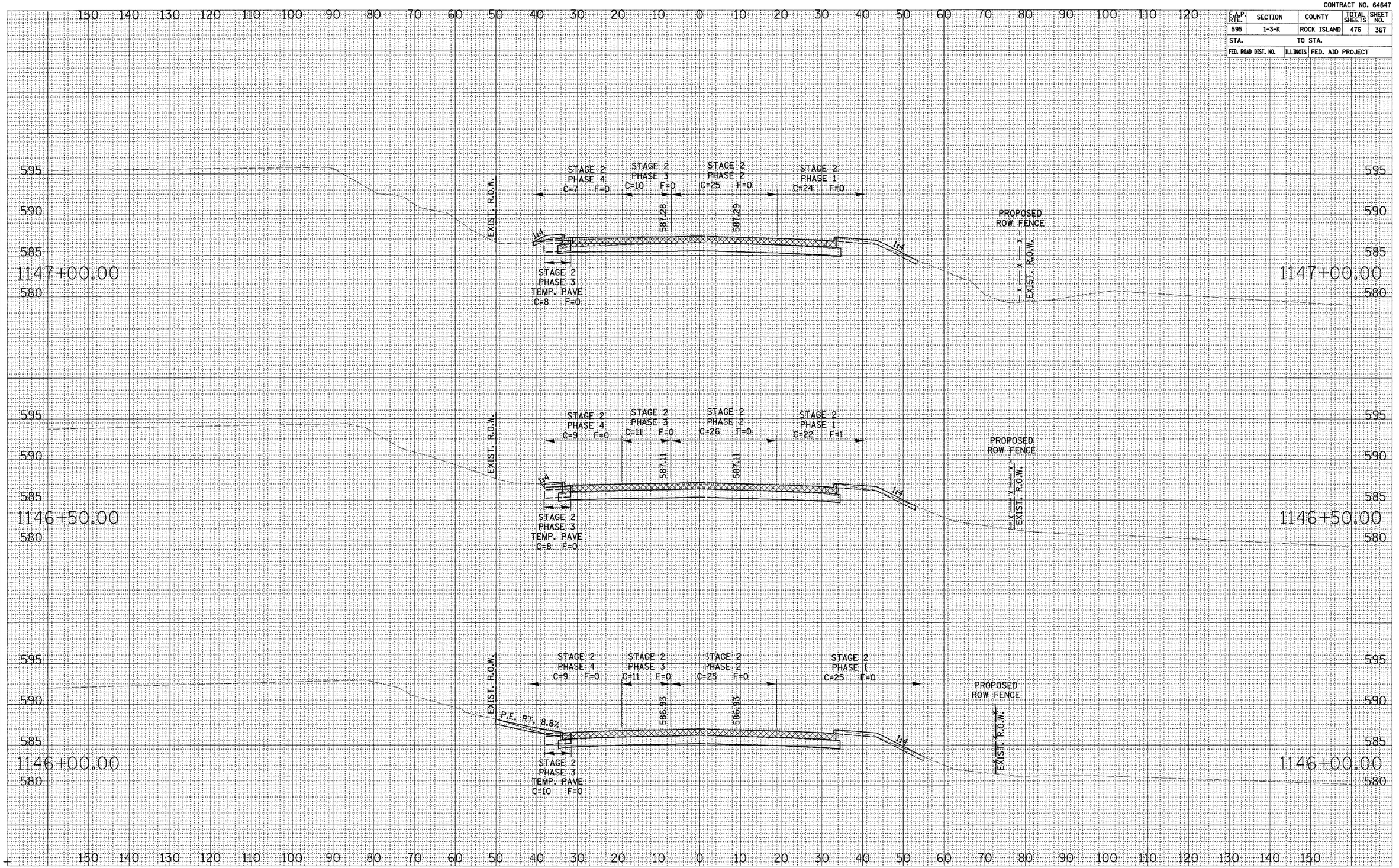
EXIST. R.O.W.

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

MILAN BELTWAY CROSS SECTIONS

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	367
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

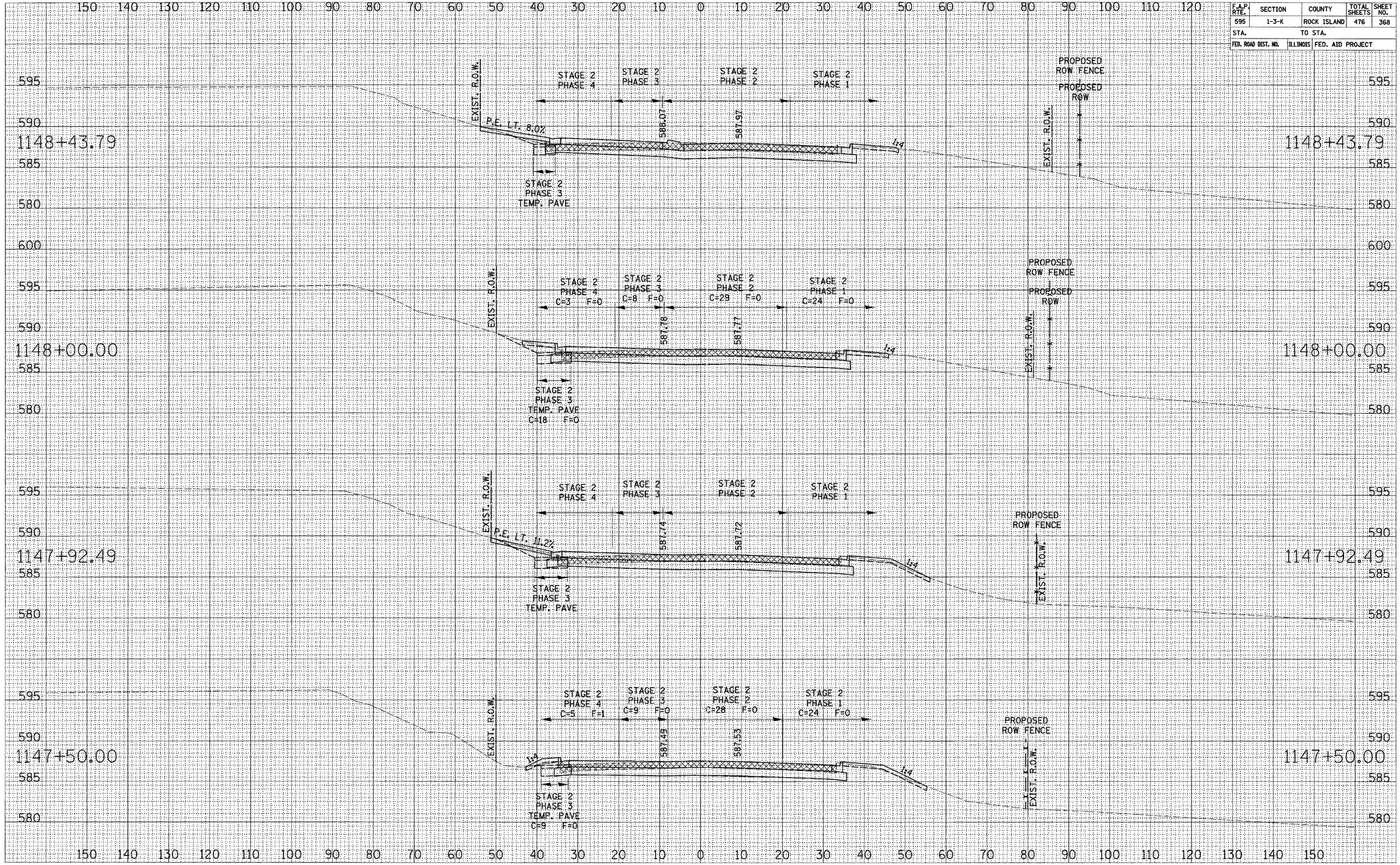


52ND AVENUE CROSS SECTIONS

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	368
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

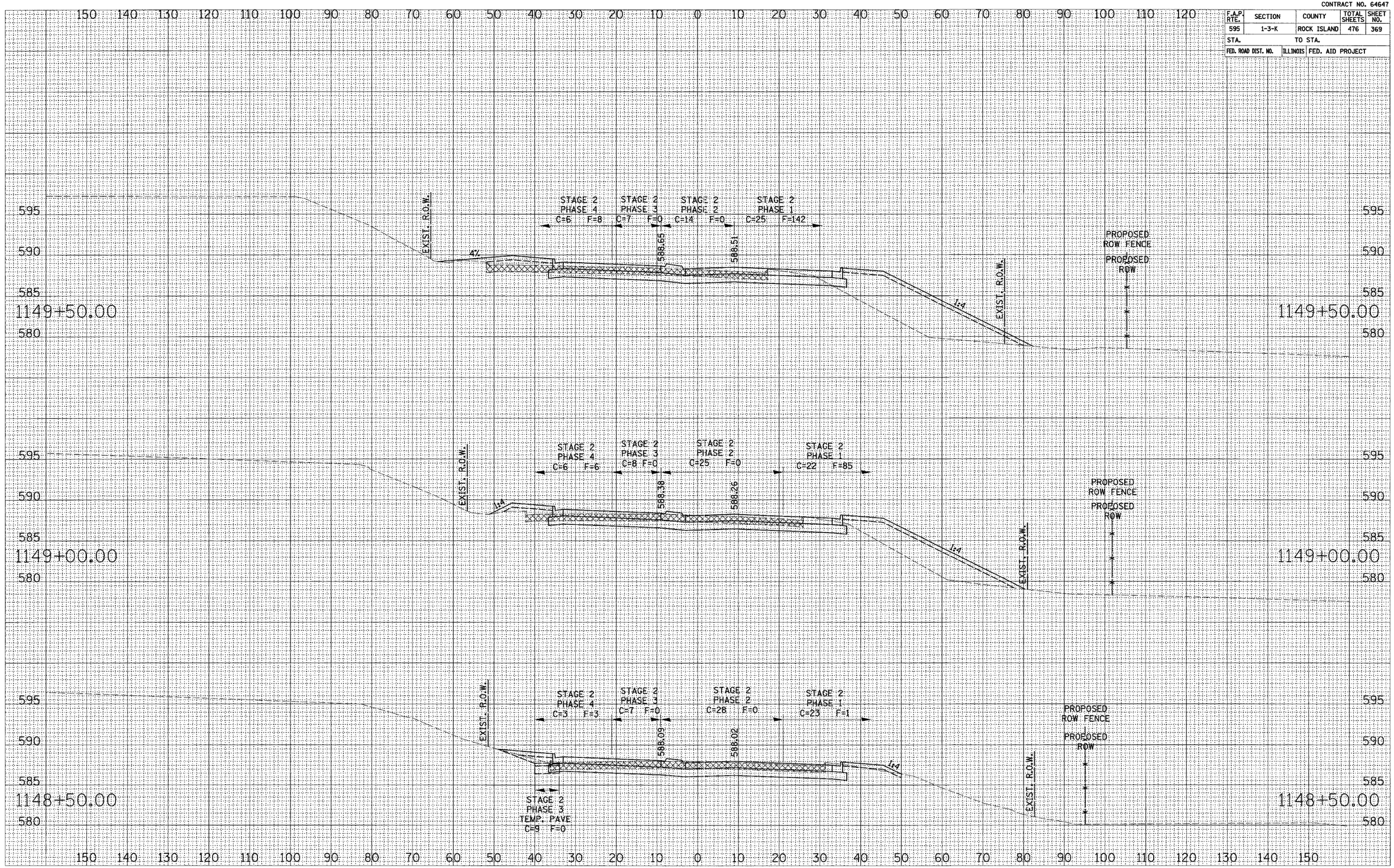
SURVEY
NOTE BOOK
NO.
PLOTTED
DRAWN
AREAS
AREAS CHECKED



52ND AVENUE CROSS SECTIONS

CONTRACT NO. 64647

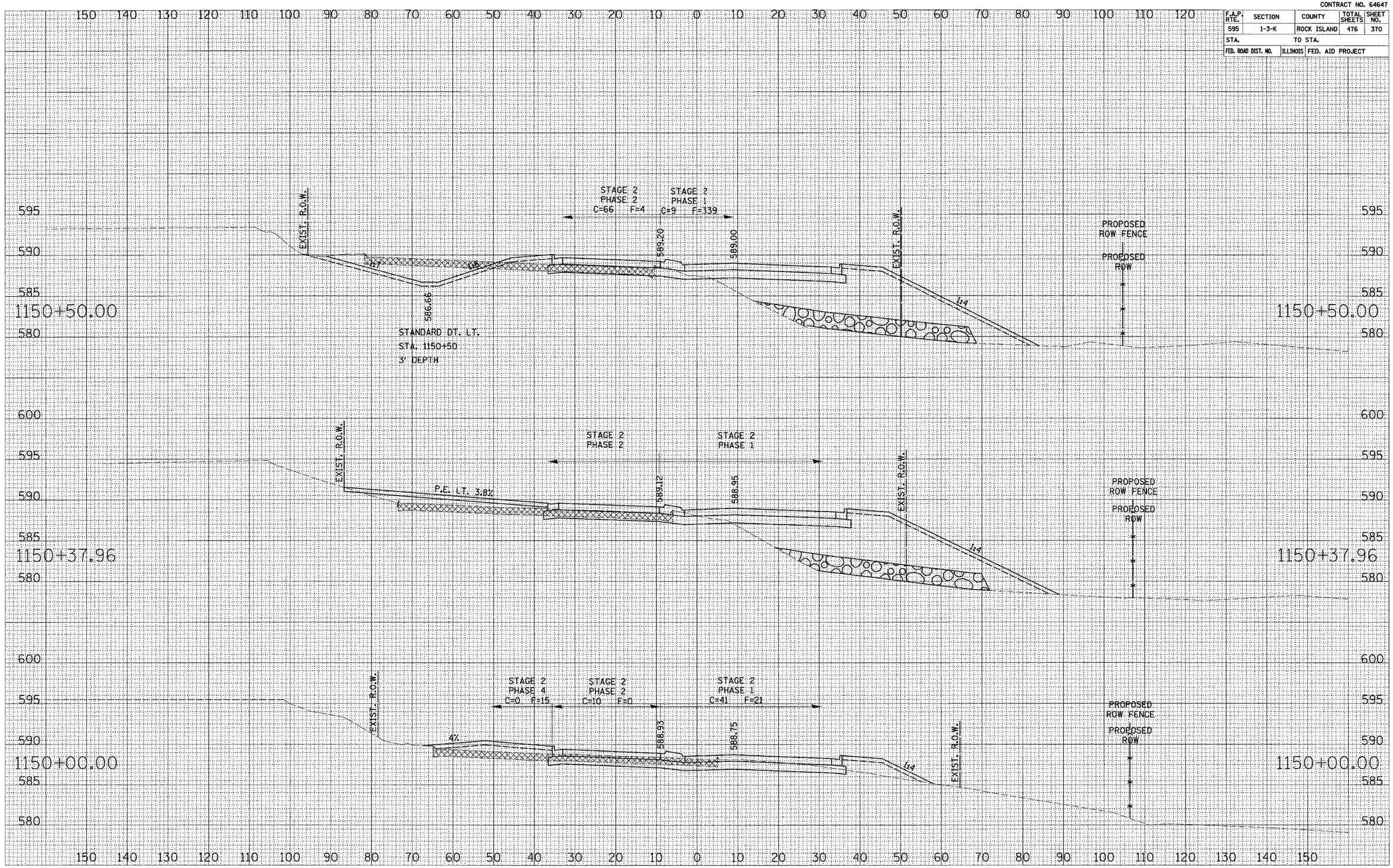
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	369
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



52ND AVENUE CROSS SECTIONS

CONTRACT NO. 64647

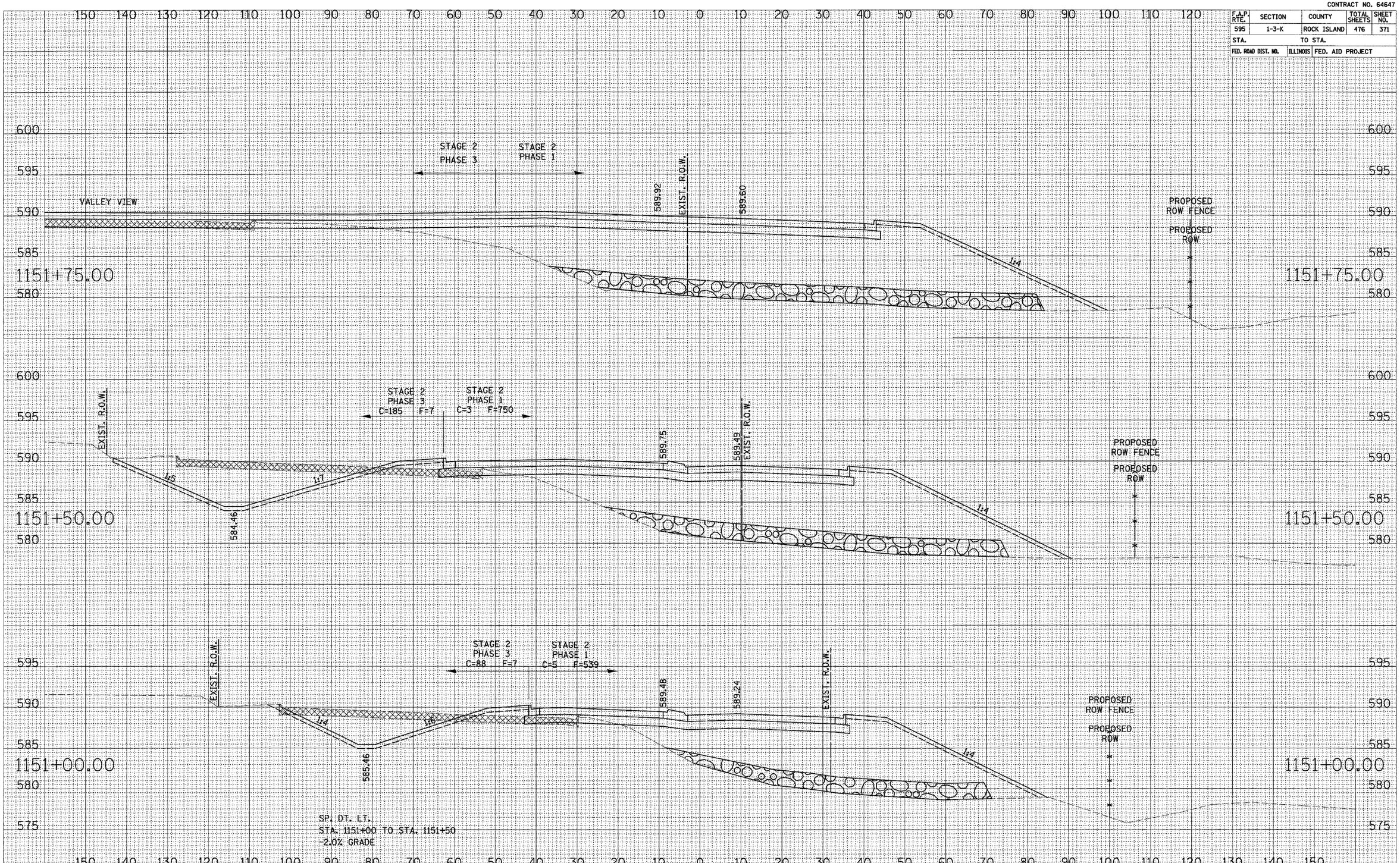
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	370
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



52ND AVENUE CROSS SECTIONS

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	371
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



52ND AVENUE CROSS SECTIONS

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	372
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SURVEY
NOTE BOOK
NO.
PLOTTED
DRAWN BY
AREAS CHECKED

1153+00.00

SP. DT. LT.
STA. 1153+00 TO STA. 1154+50
-2.63% GRADE

EXIST. R.O.W.
590.86
590.76
STAGE 1
C=31 F=1716
580.20
1:3
1:4
PROPOSED ROW FENCE
PROPOSED ROW

1152+50.00

MATCH LINE
1:9.7
1:11
STAGE 2
PHASE 3
C=0 F=197
STAGE 2
PHASE 1
C=0 F=1242
EXIST. R.O.W.
590.39
590.23
1:4
PROPOSED ROW FENCE
PROPOSED ROW

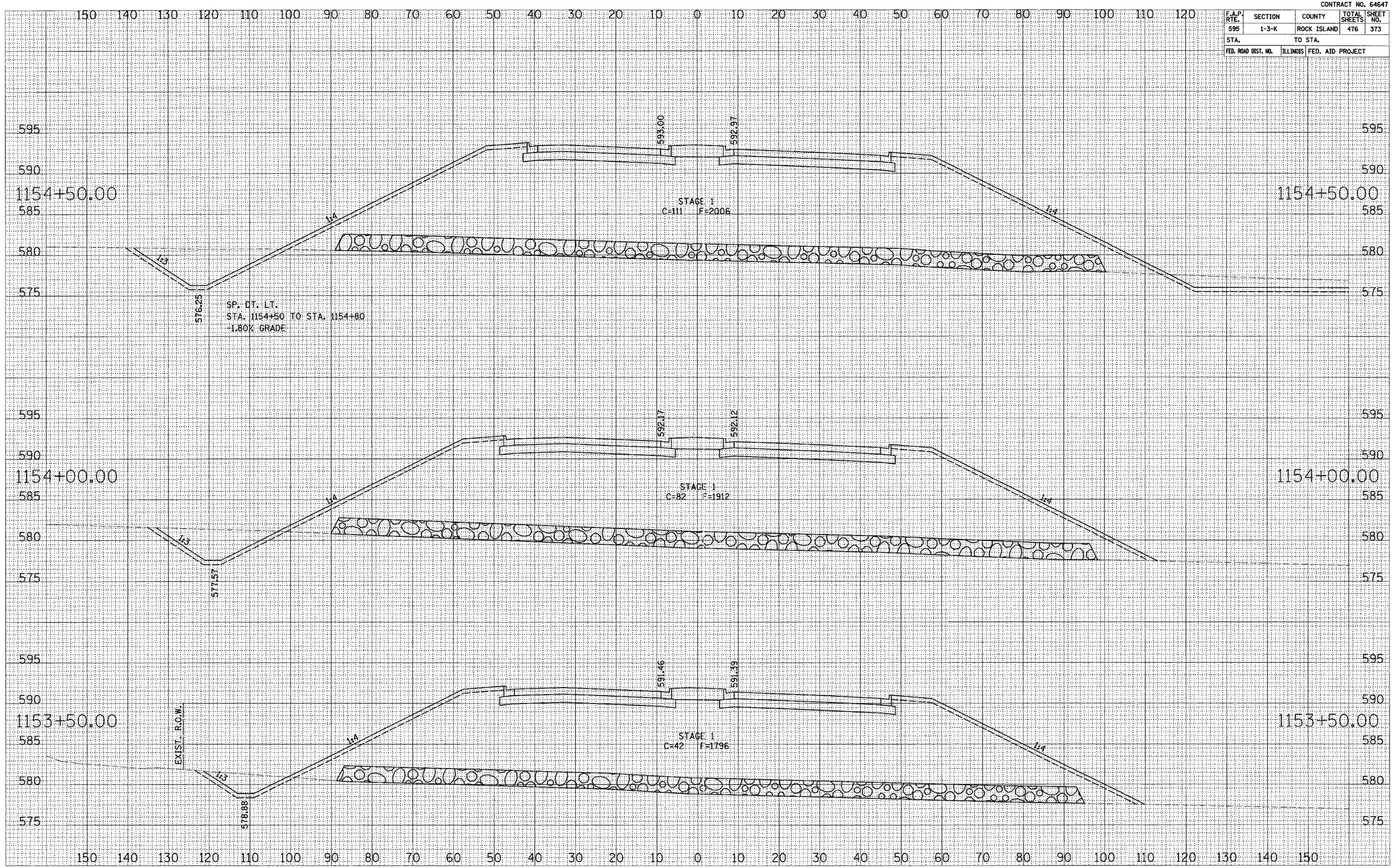
1152+00.00

MATCH LINE
586.19
1:3.5
STAGE 2
PHASE 3
C=62 F=10
STAGE 2
PHASE 1
C= 0 F=936
EXIST. R.O.W.
590.03
589.81
1:4
PROPOSED ROW FENCE
PROPOSED ROW

52ND AVENUE CROSS SECTIONS

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	373
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

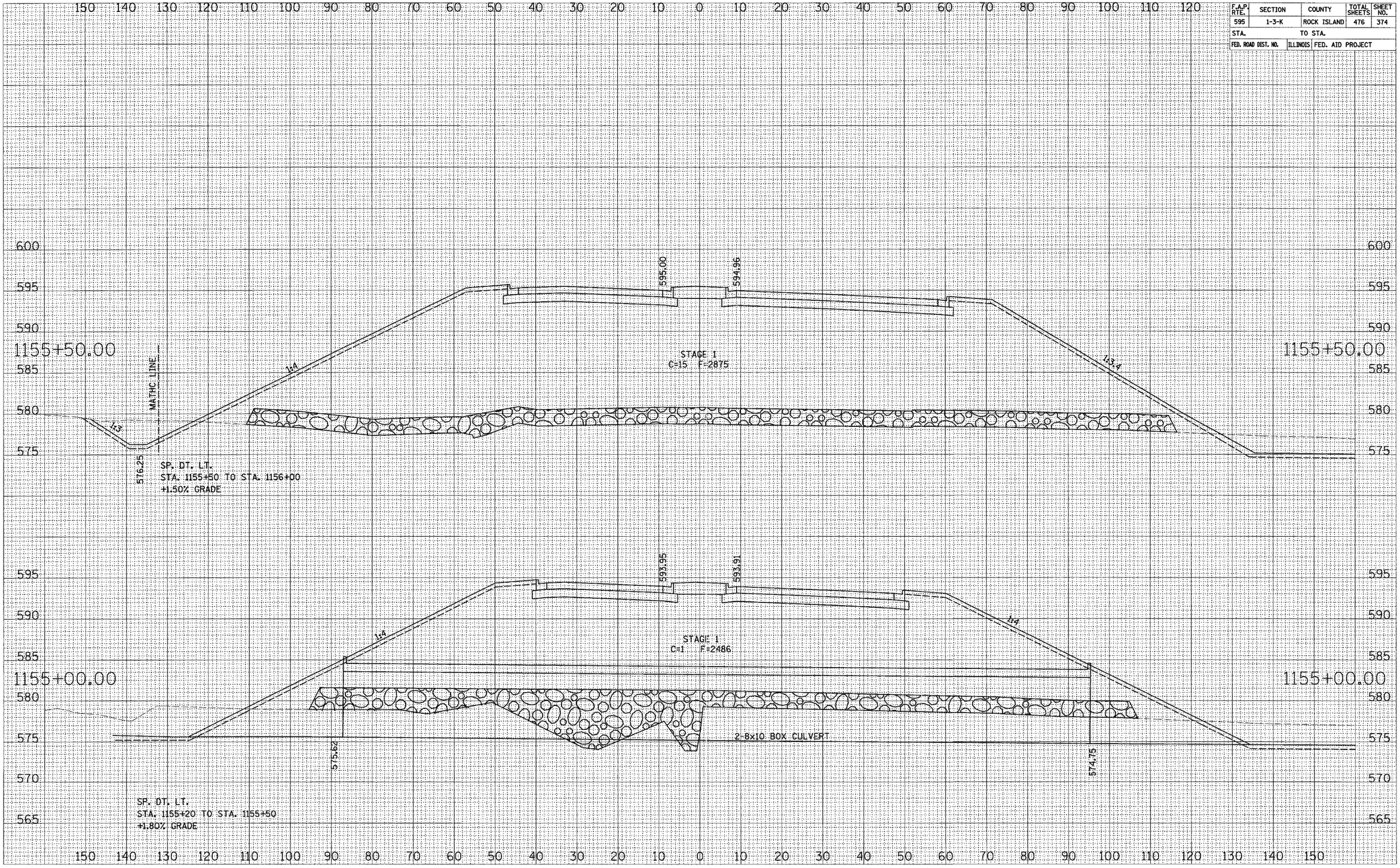


52ND AVENUE CROSS SECTIONS

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	374
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

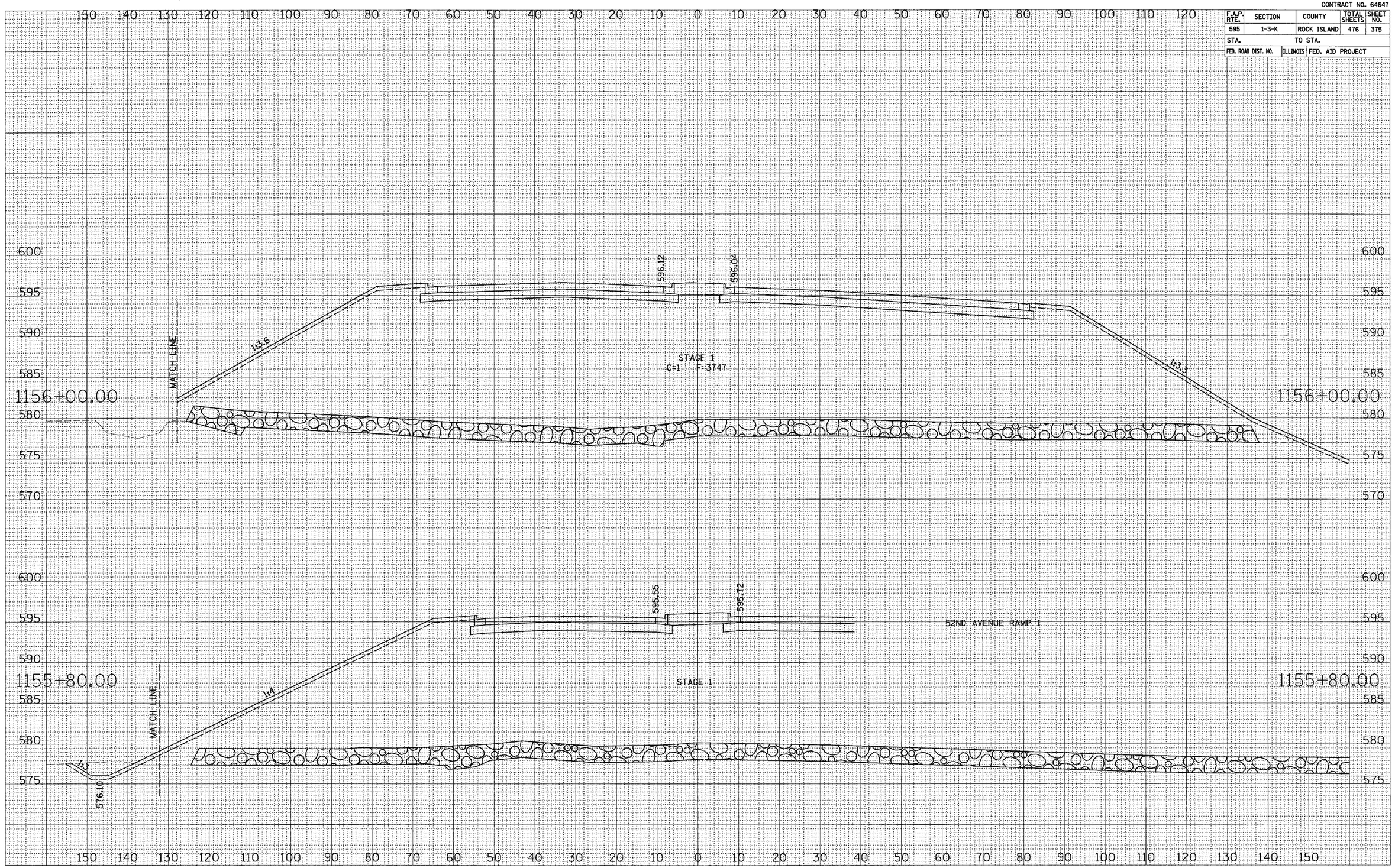
SURVEY NOTE BOOK NO.
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED



52ND AVENUE CROSS SECTIONS

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	375
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

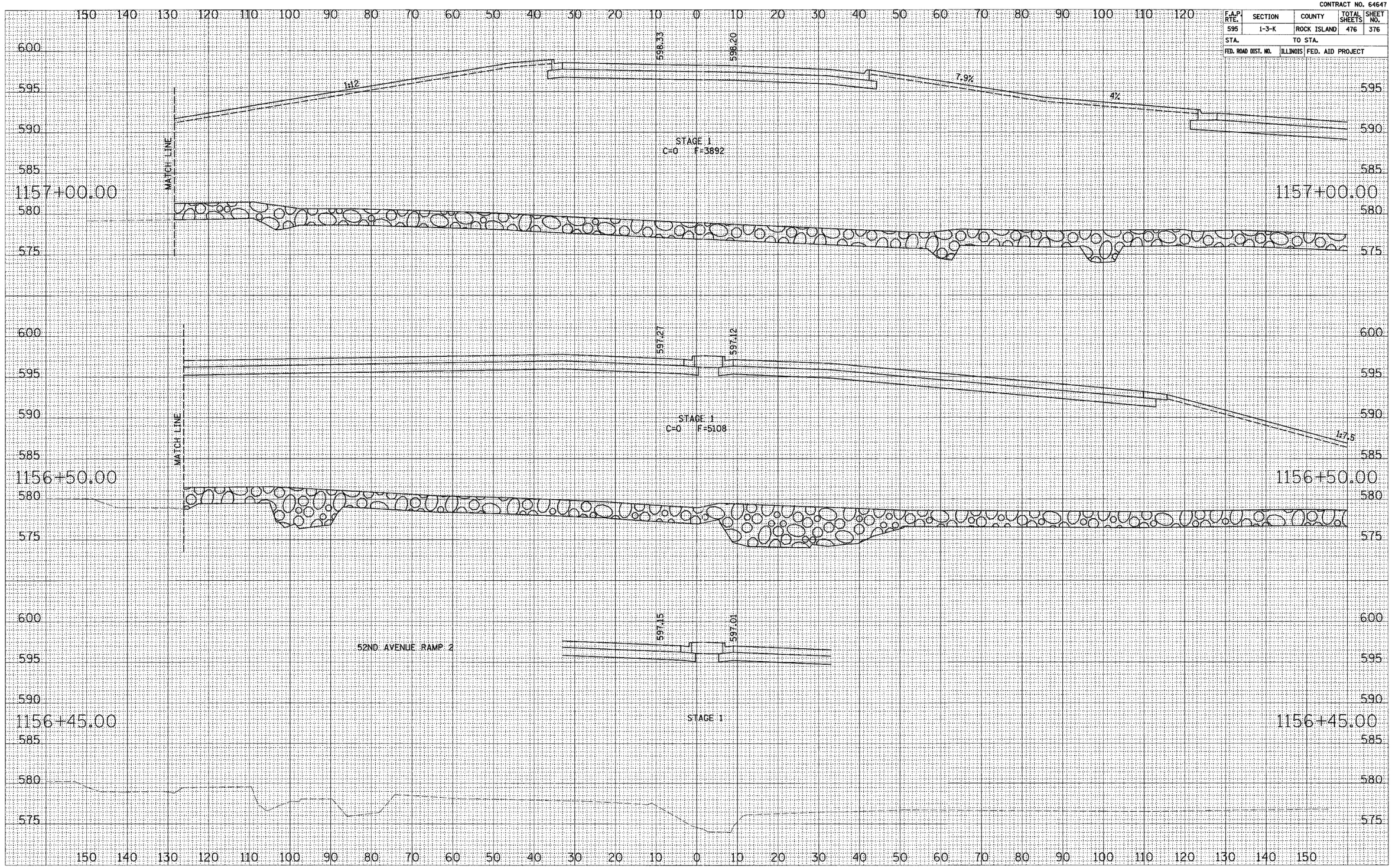


52ND AVENUE CROSS SECTIONS

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	376
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

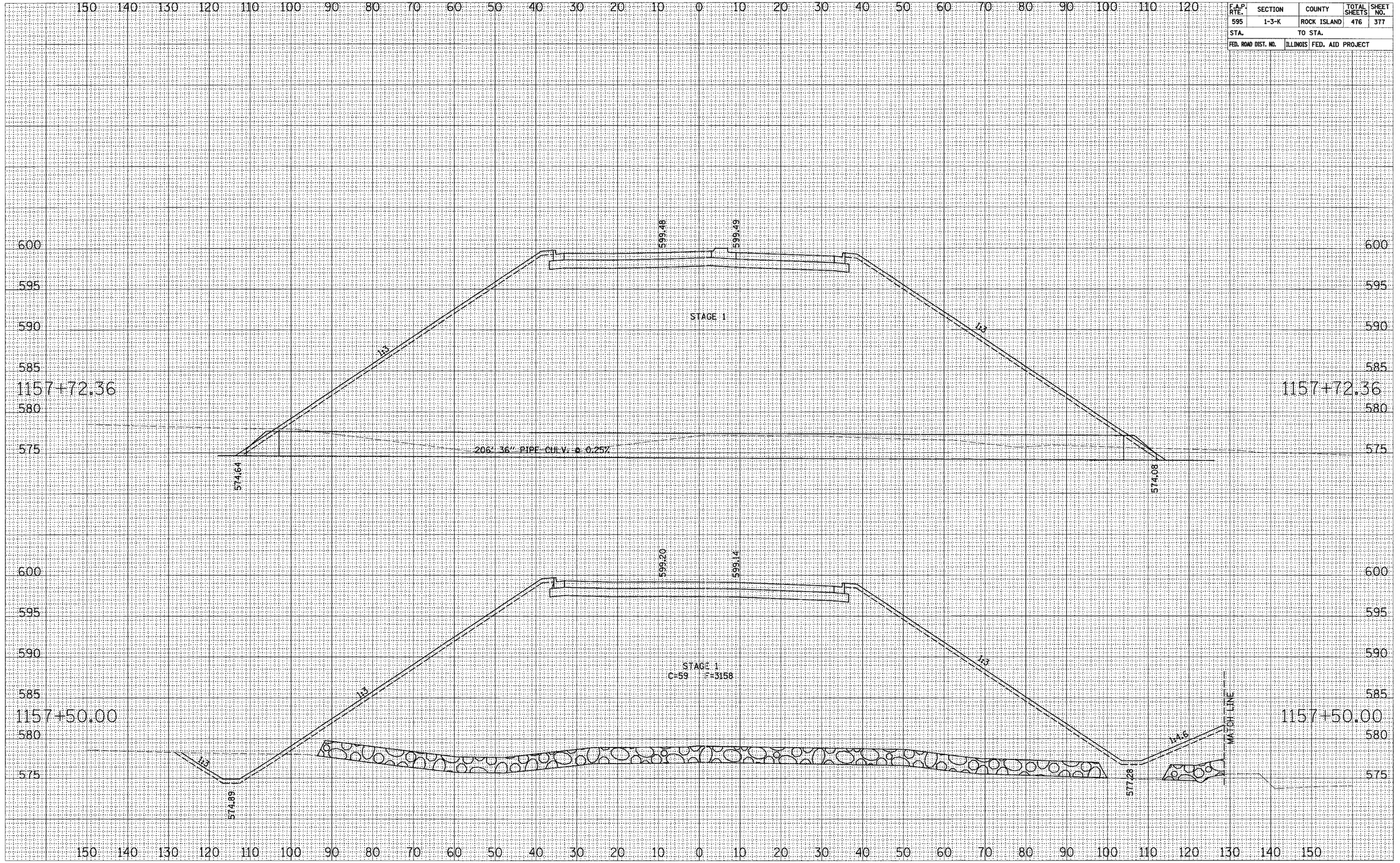
SURVEY
NOTE BOOK
NO.
PLOTTED
CHECKED
AREAS
AREAS CHECKED



52ND AVENUE CROSS SECTIONS

CONTRACT NO. 64647

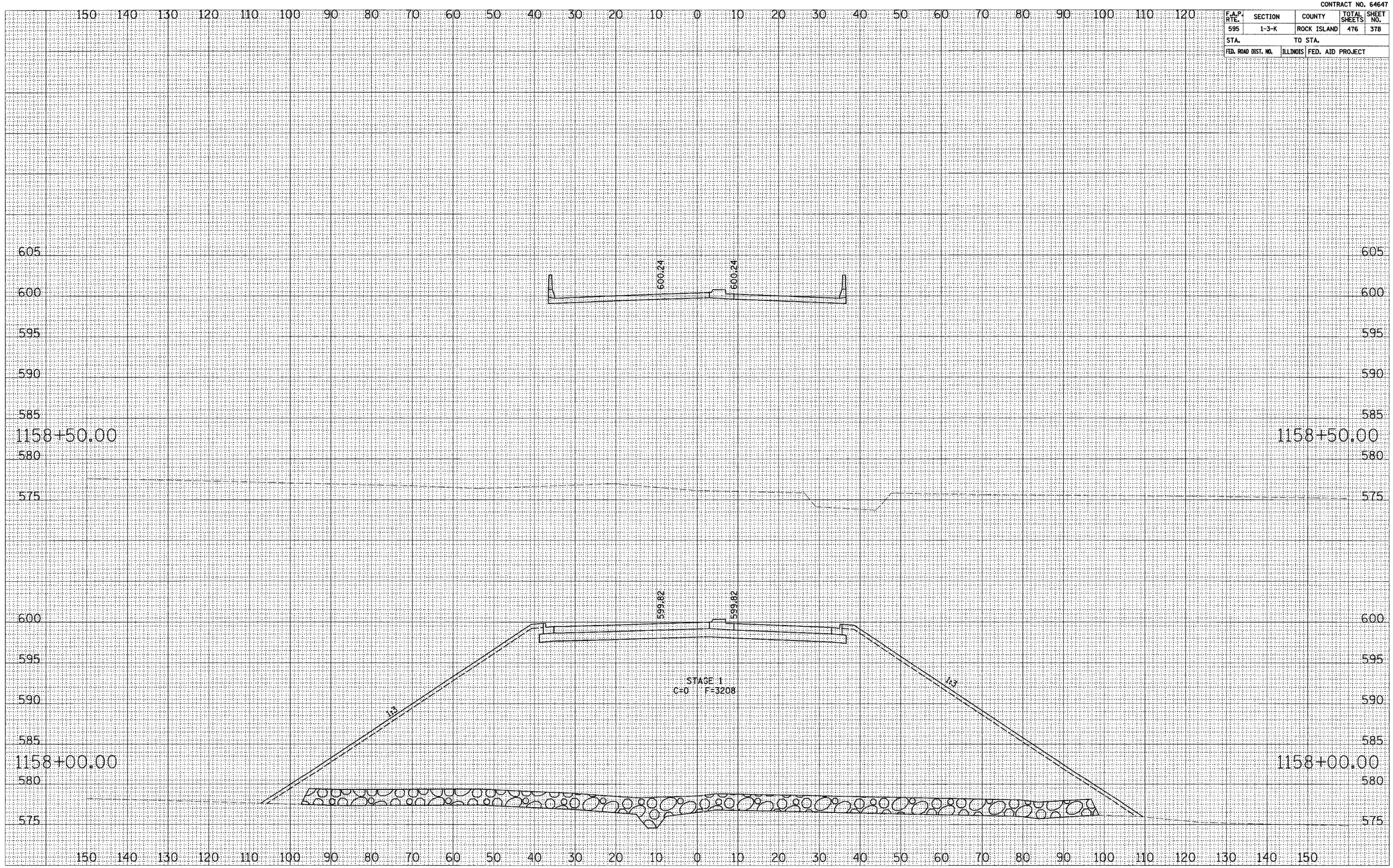
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	377
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



52ND AVENUE CROSS SECTIONS

CONTRACT NO. 64647

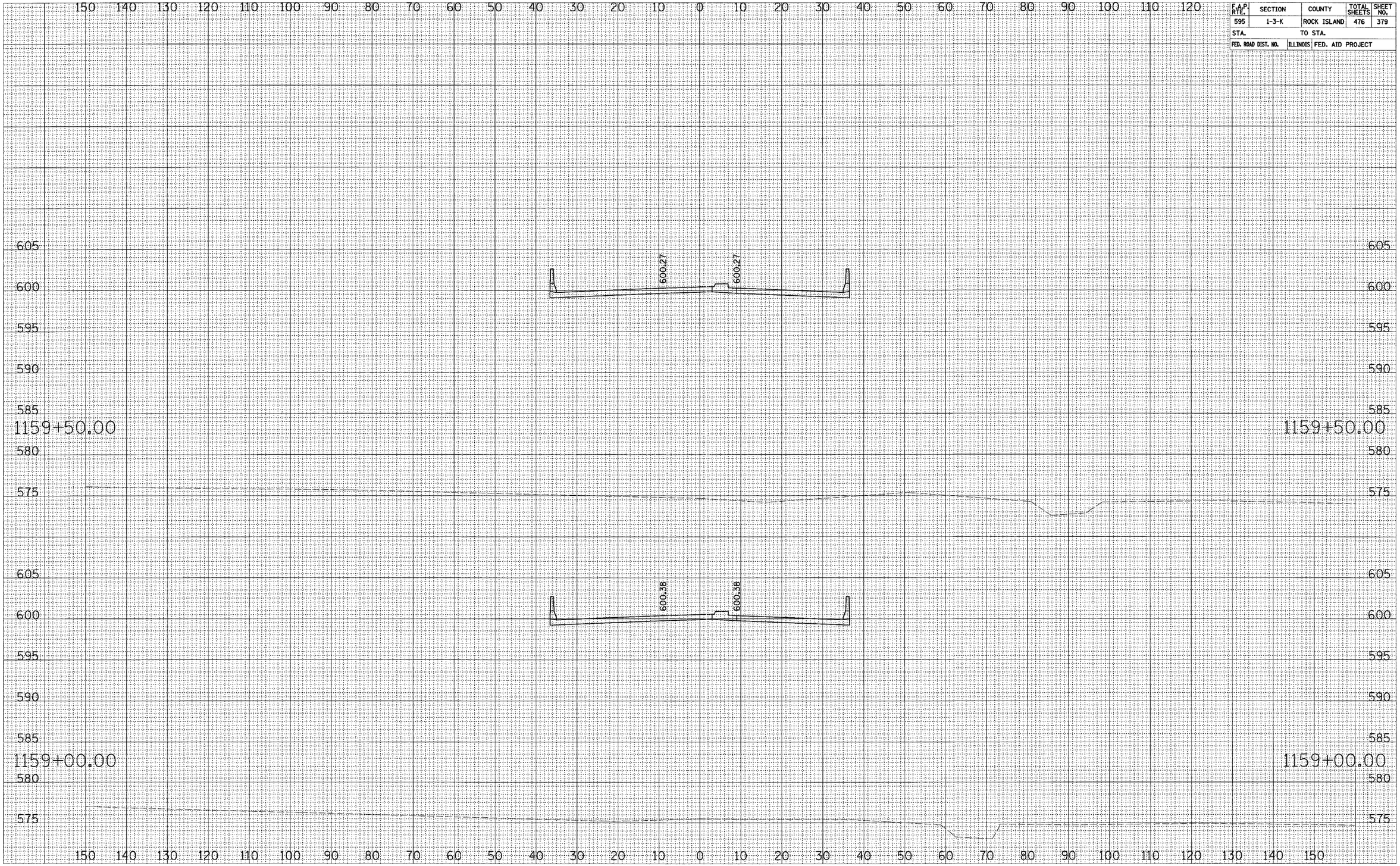
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	378
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



52ND AVENUE CROSS SECTIONS

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	379
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



SURVEY NOTE BOOK NO. PLOTTED TEMPLATE AREAS AREAS CHECKED

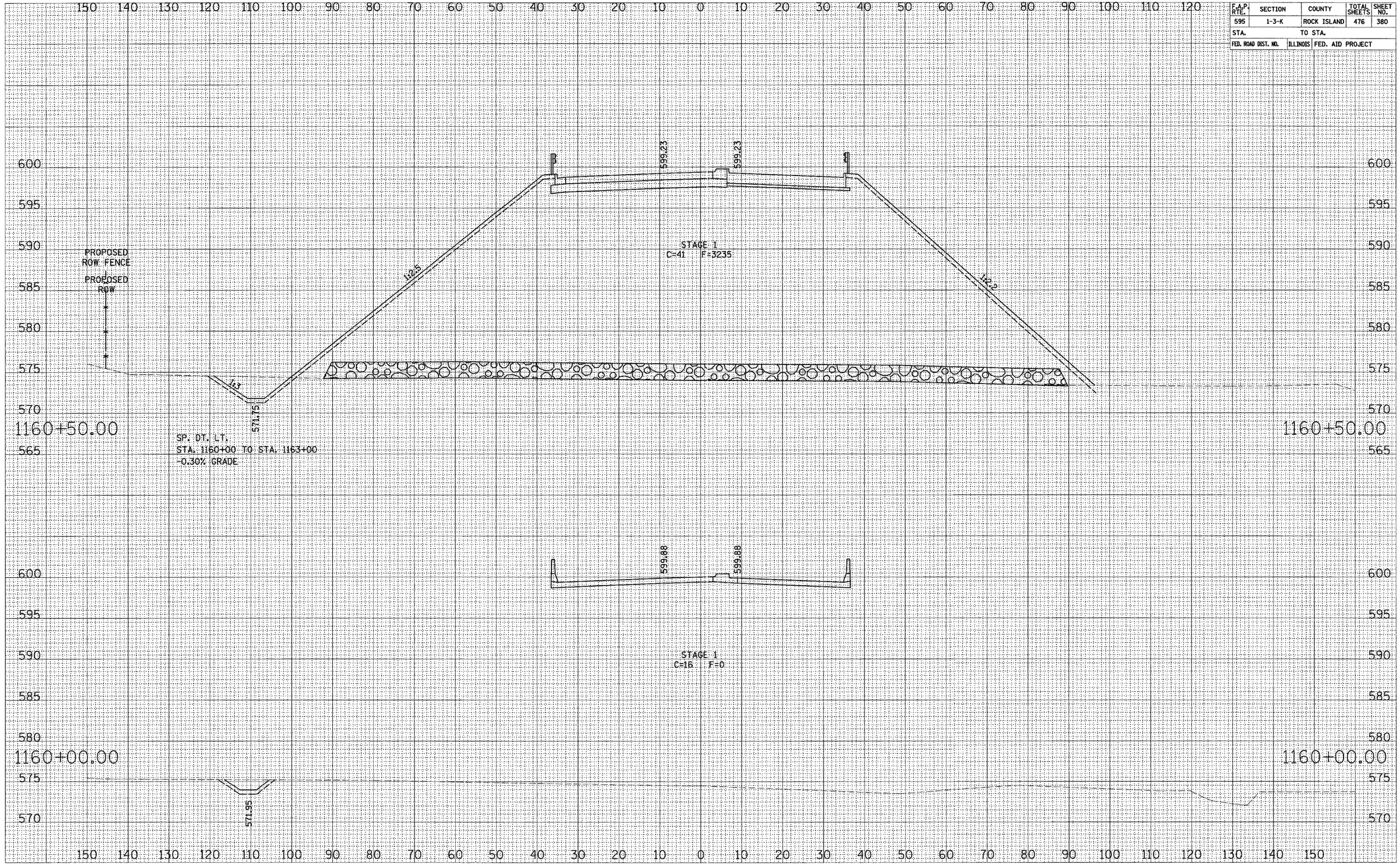
SURVEY NOTE BOOK NO. PLOTTED TEMPLATE AREAS AREAS CHECKED

52ND AVENUE CROSS SECTIONS

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	380
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

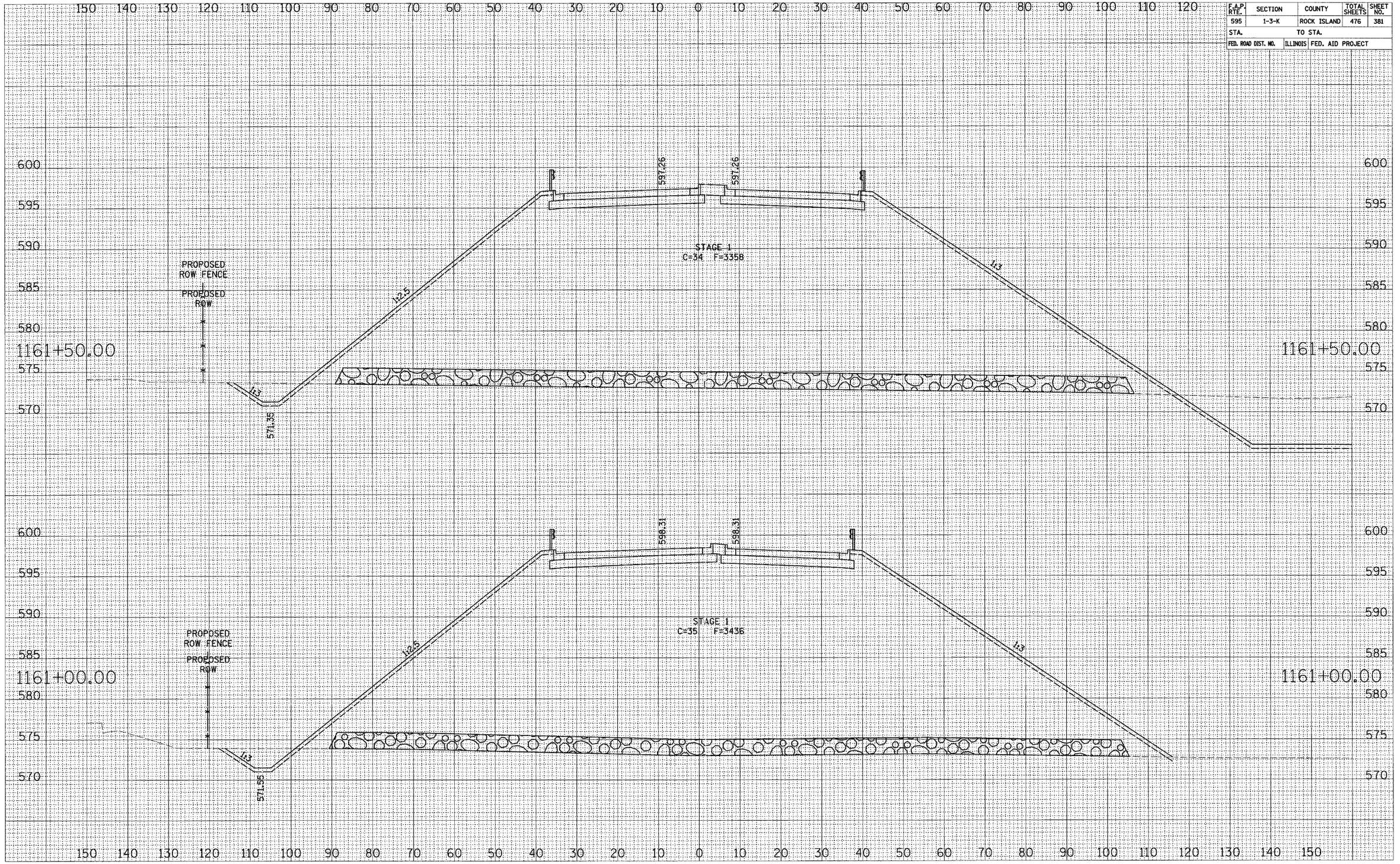
SURVEY NOTE BOOK | PLOTTED | TYPED | AREAS | AREAS CHECKED | NO.



52ND AVENUE CROSS SECTIONS

CONTRACT NO. 64647

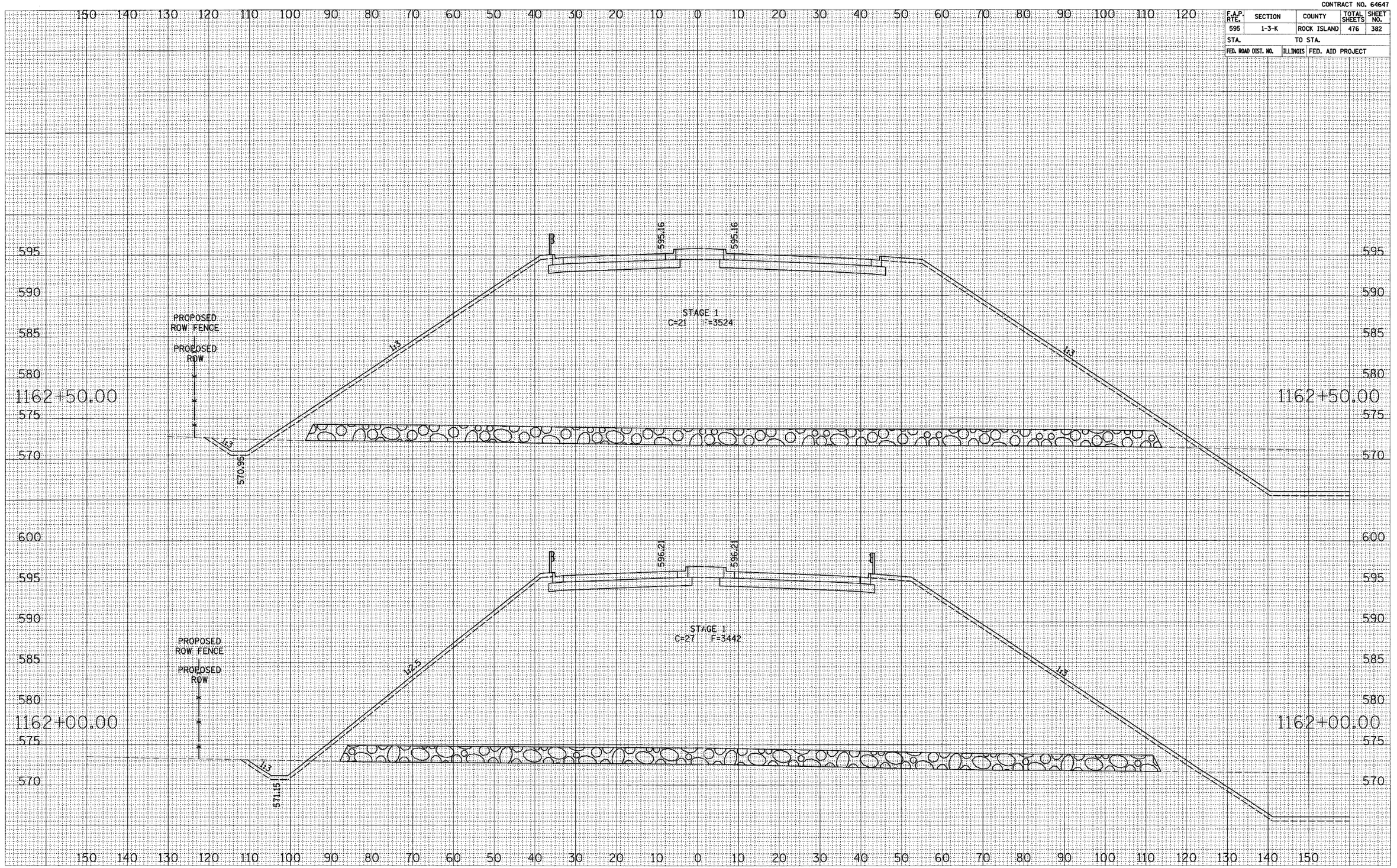
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	381
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



52ND AVENUE CROSS SECTIONS

CONTRACT NO. 64647

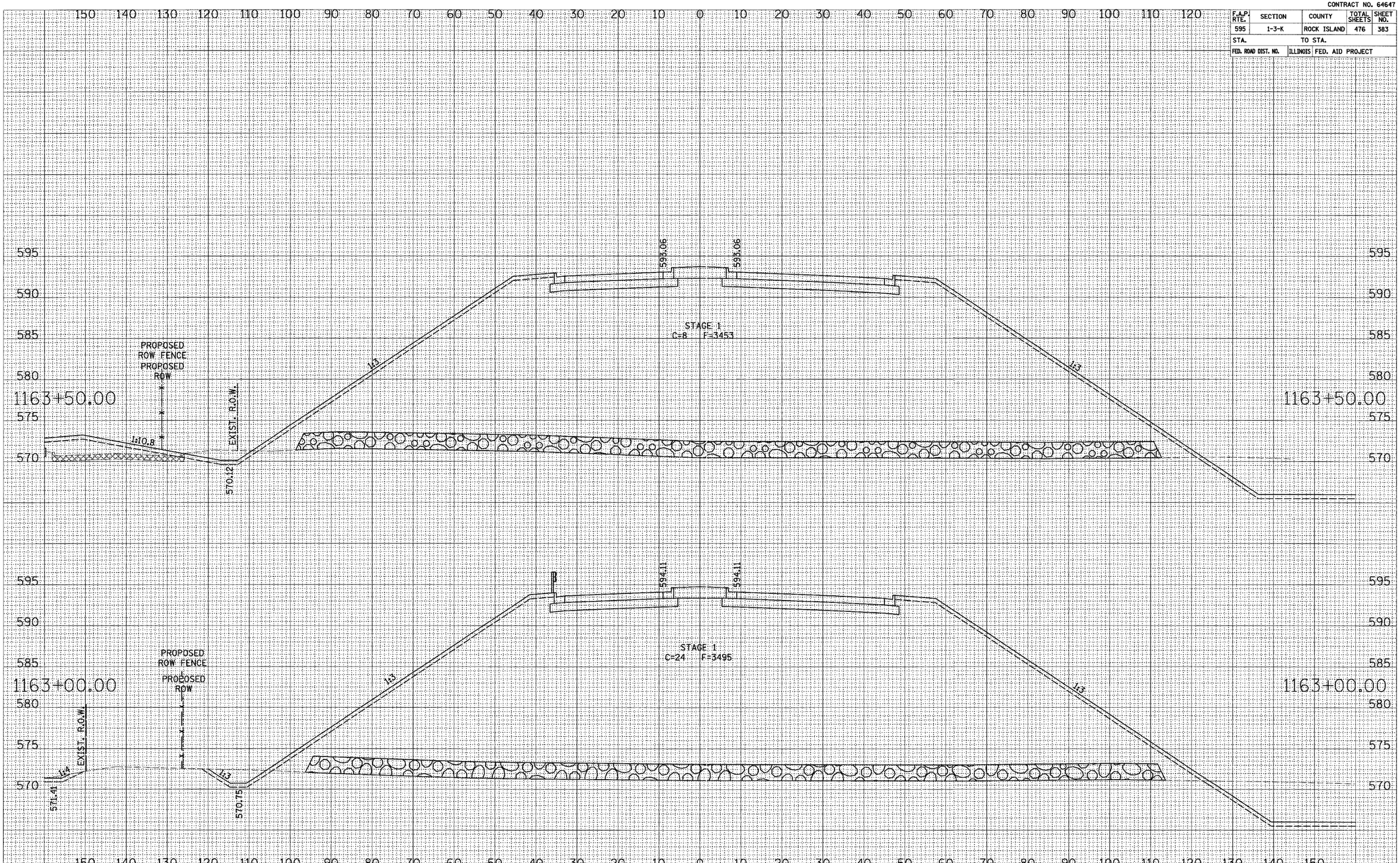
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	382
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



52ND AVENUE CROSS SECTIONS

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	383
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

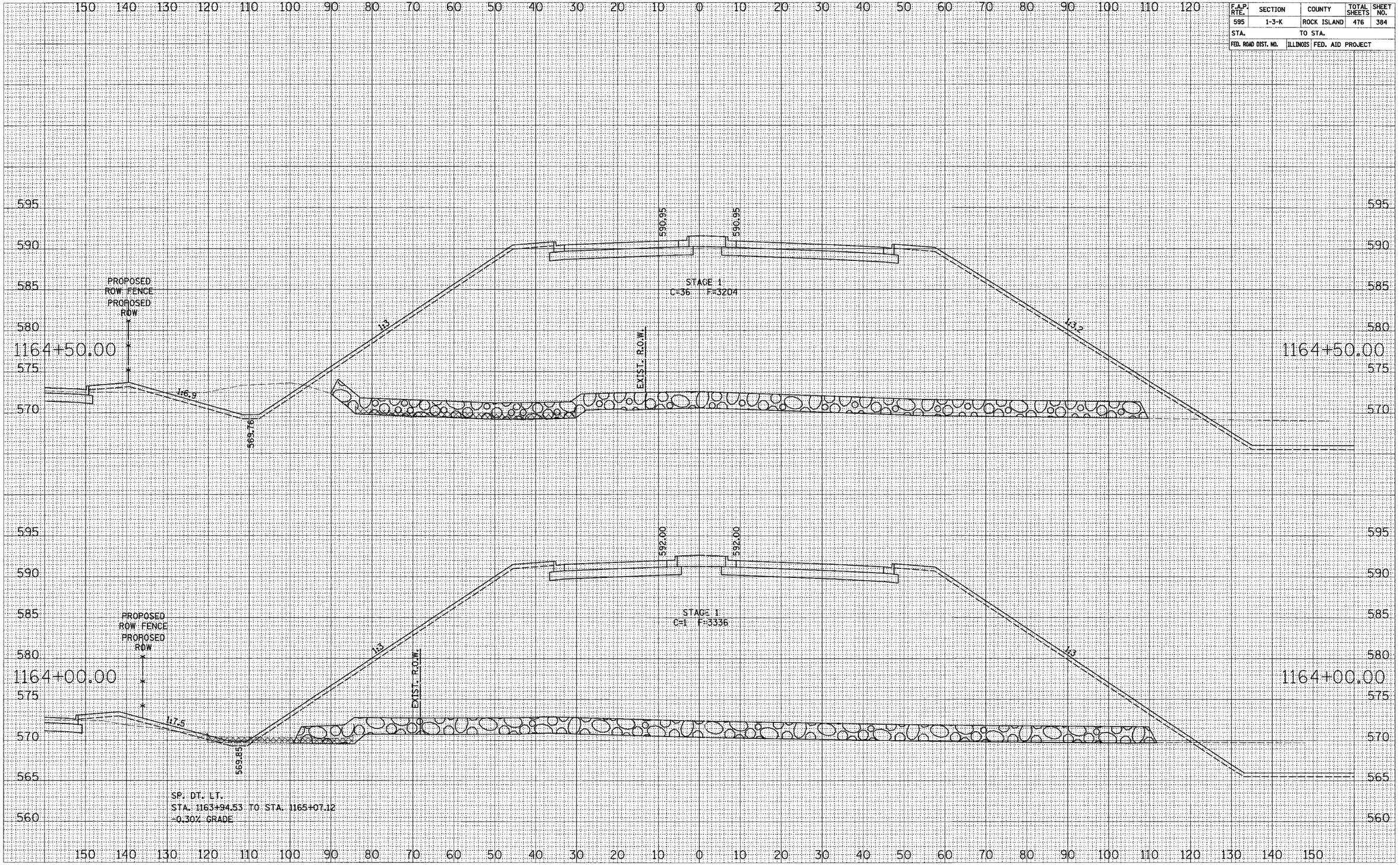


52ND AVENUE CROSS SECTIONS

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	384
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SURVEY
NOTE BOOK
NO.
PLOTTED
DRAWN
TRACED
AREAS CHECKED

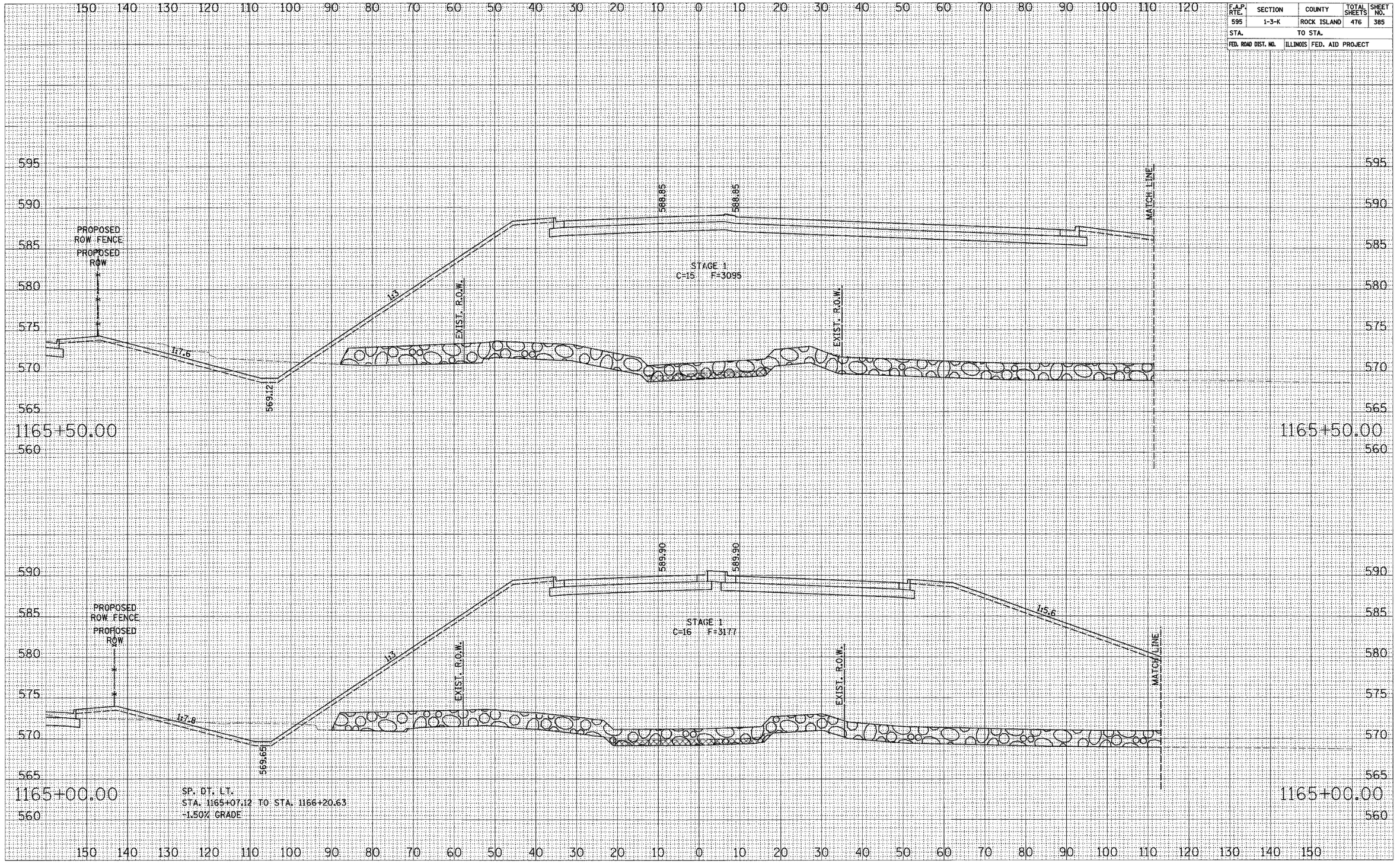


52ND AVENUE CROSS SECTIONS

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	385
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

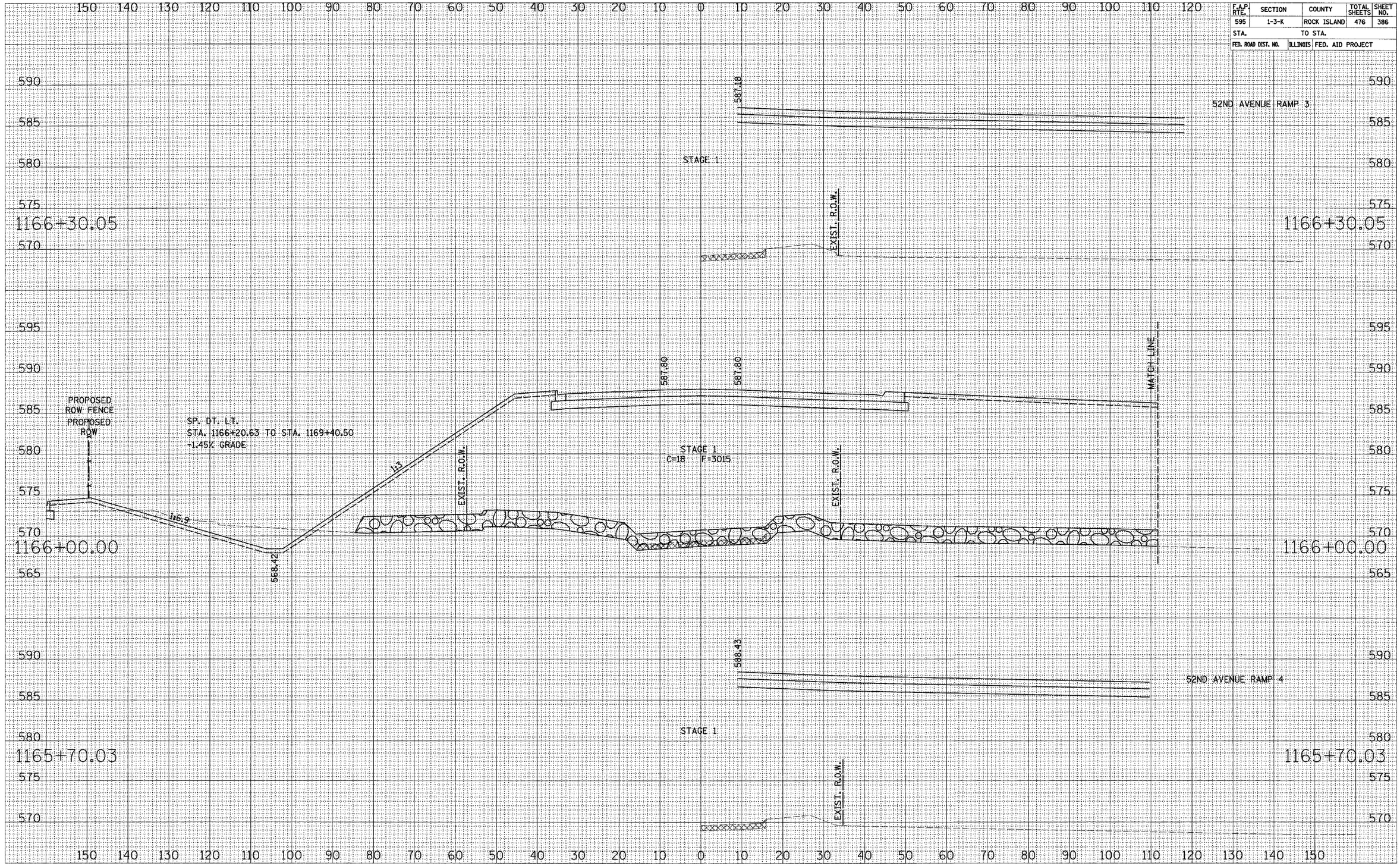
JOINT?	PLOTTED
NOTE BOOK	TYPED
NO.	AREAS
	AREAS CHECKED



52ND AVENUE CROSS SECTIONS

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	386
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

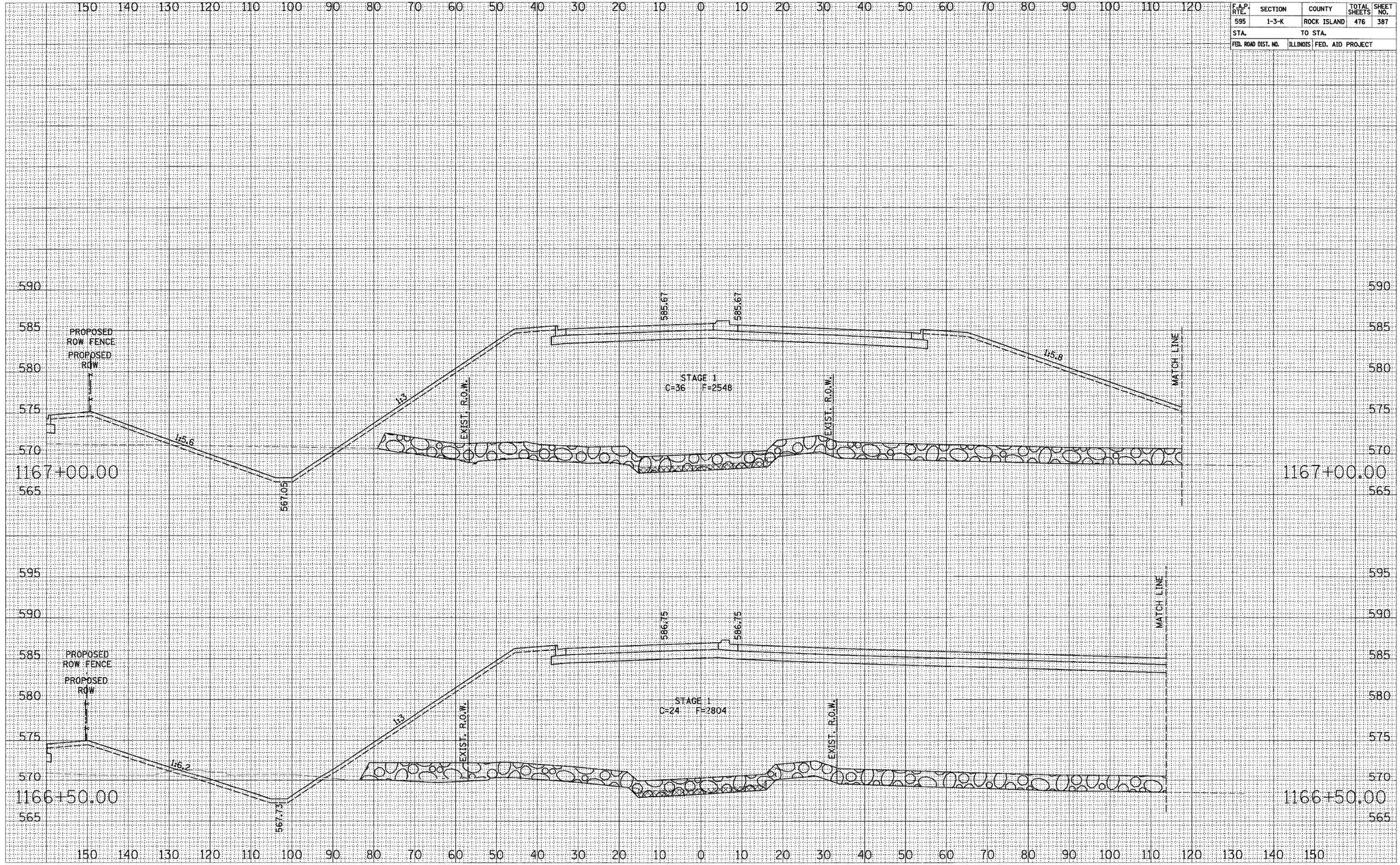


52ND AVENUE CROSS SECTIONS

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	387
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

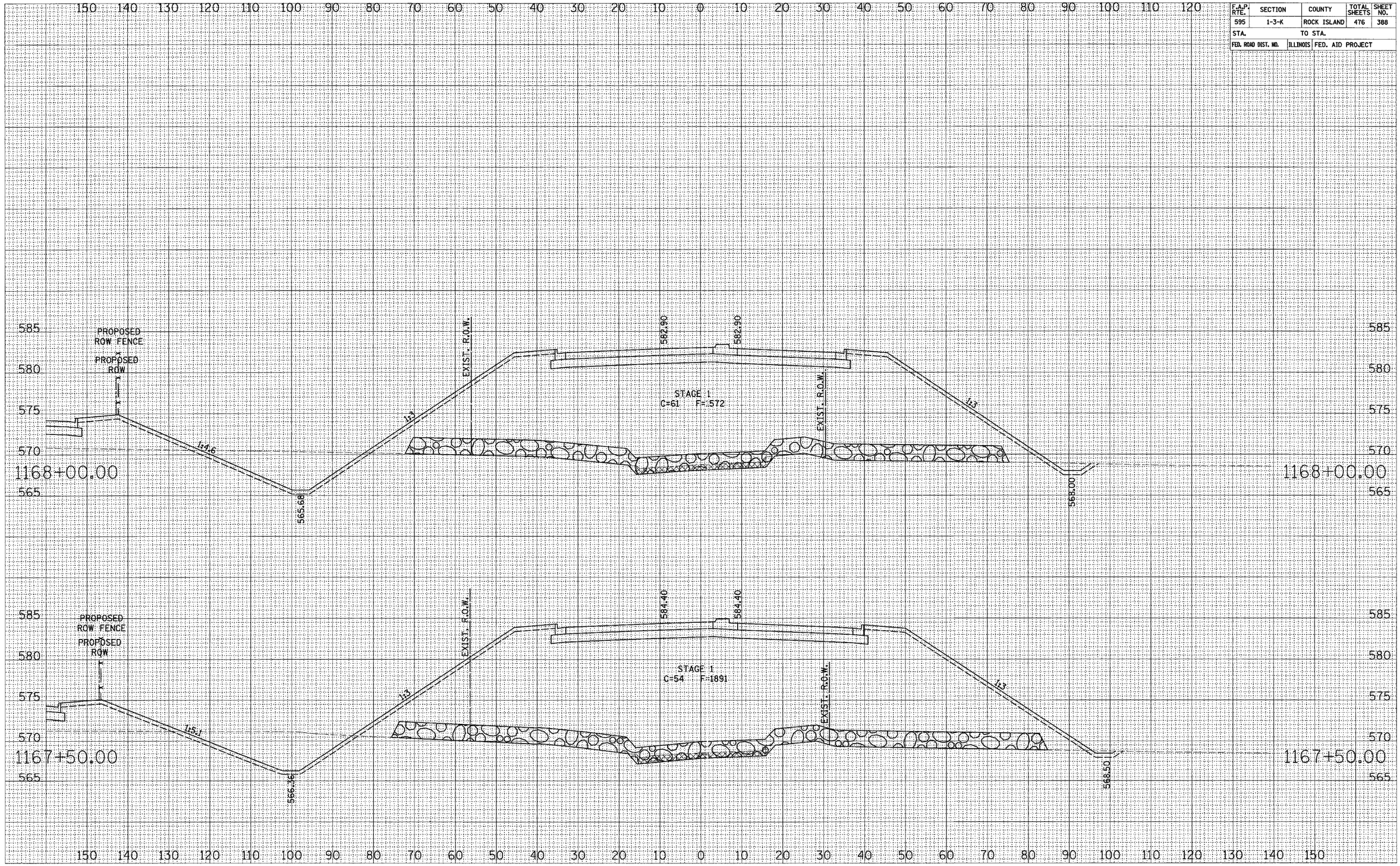
SURVEY NOTE BOOK | PLOTTED DRAWN AREAS AREAS CHECKED NO.



52ND AVENUE CROSS SECTIONS

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	388
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

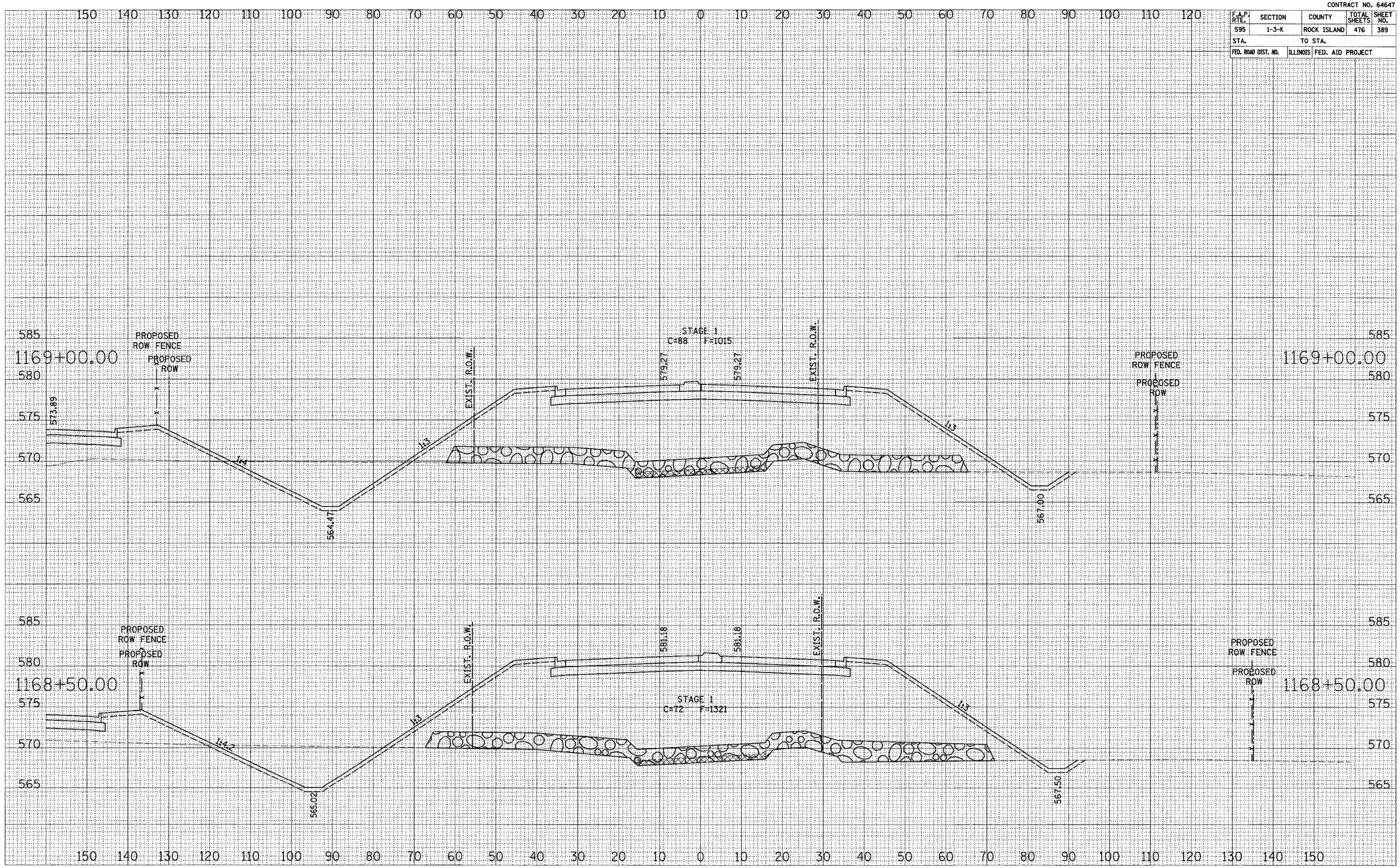


52ND AVENUE CROSS SECTIONS

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	389
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SURVEY NOTE BOOK | PLOTTED TOTAL AREAS AREAS CHECKED NO.

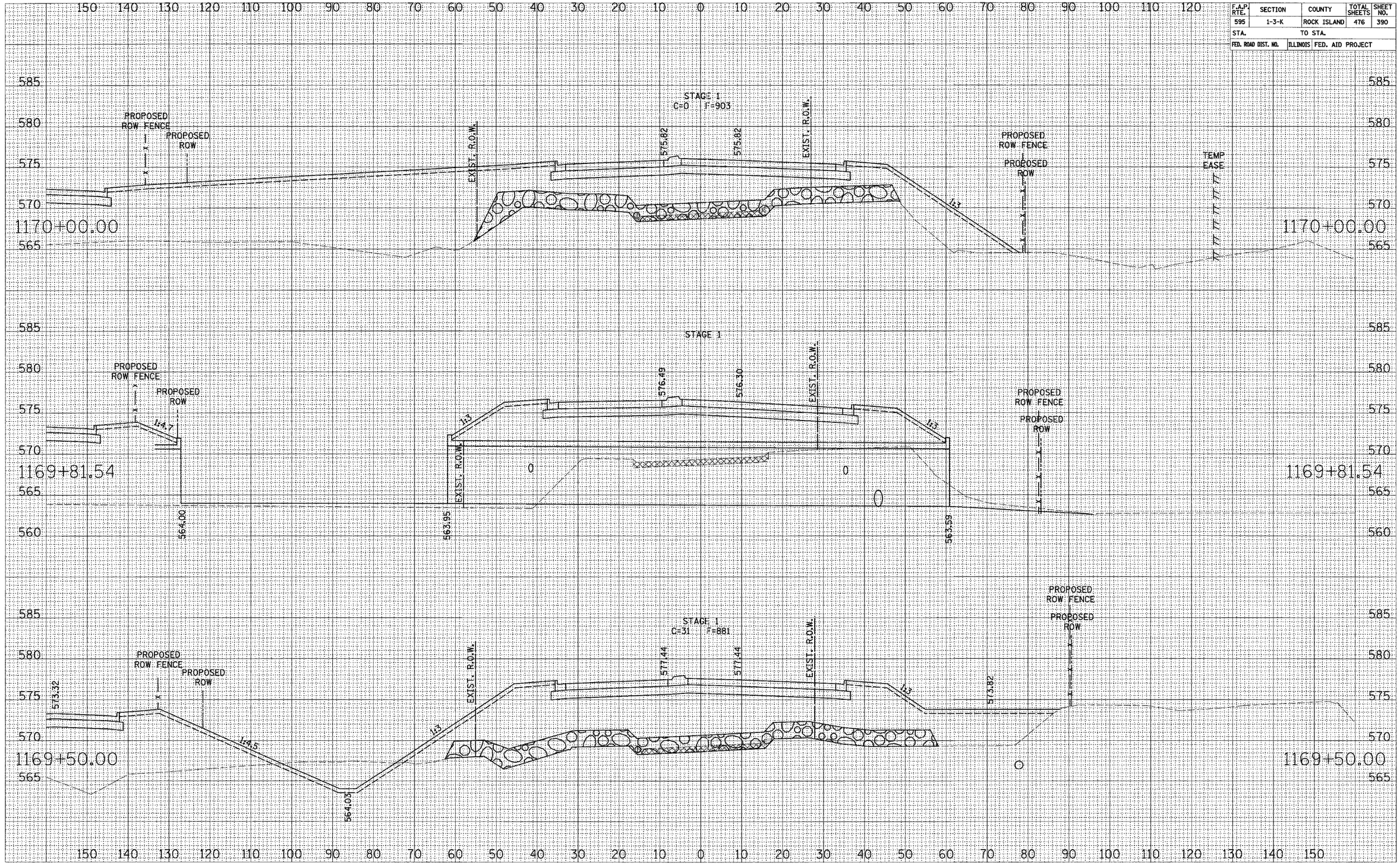


52ND AVENUE CROSS SECTIONS

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	390
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

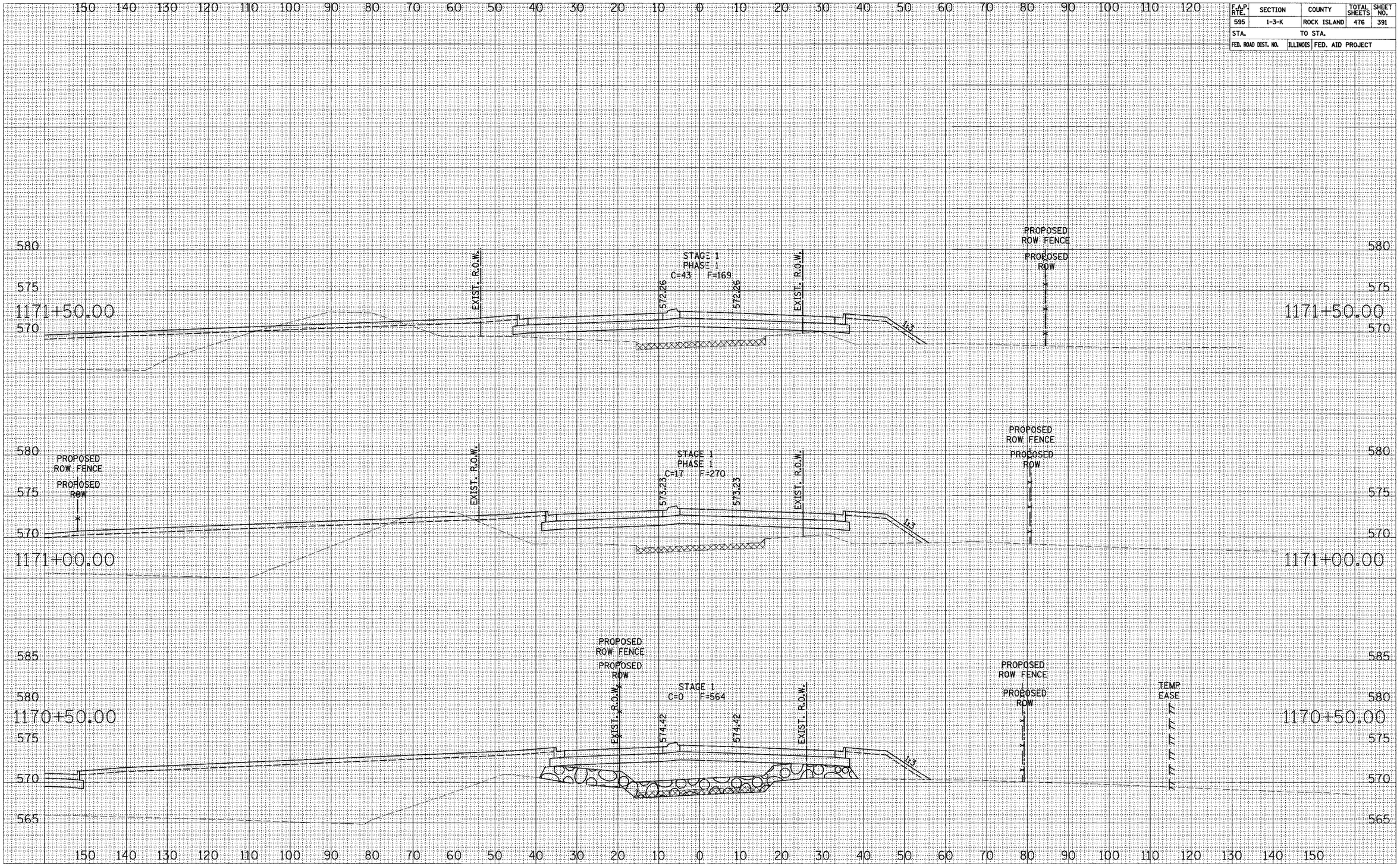
SURVEY
NOTE BOOK
NO.
PLOTTED
TIME PLOTTED
AREAS
AREAS CHECKED



52ND AVENUE CROSS SECTIONS

CONTRACT NO. 64647

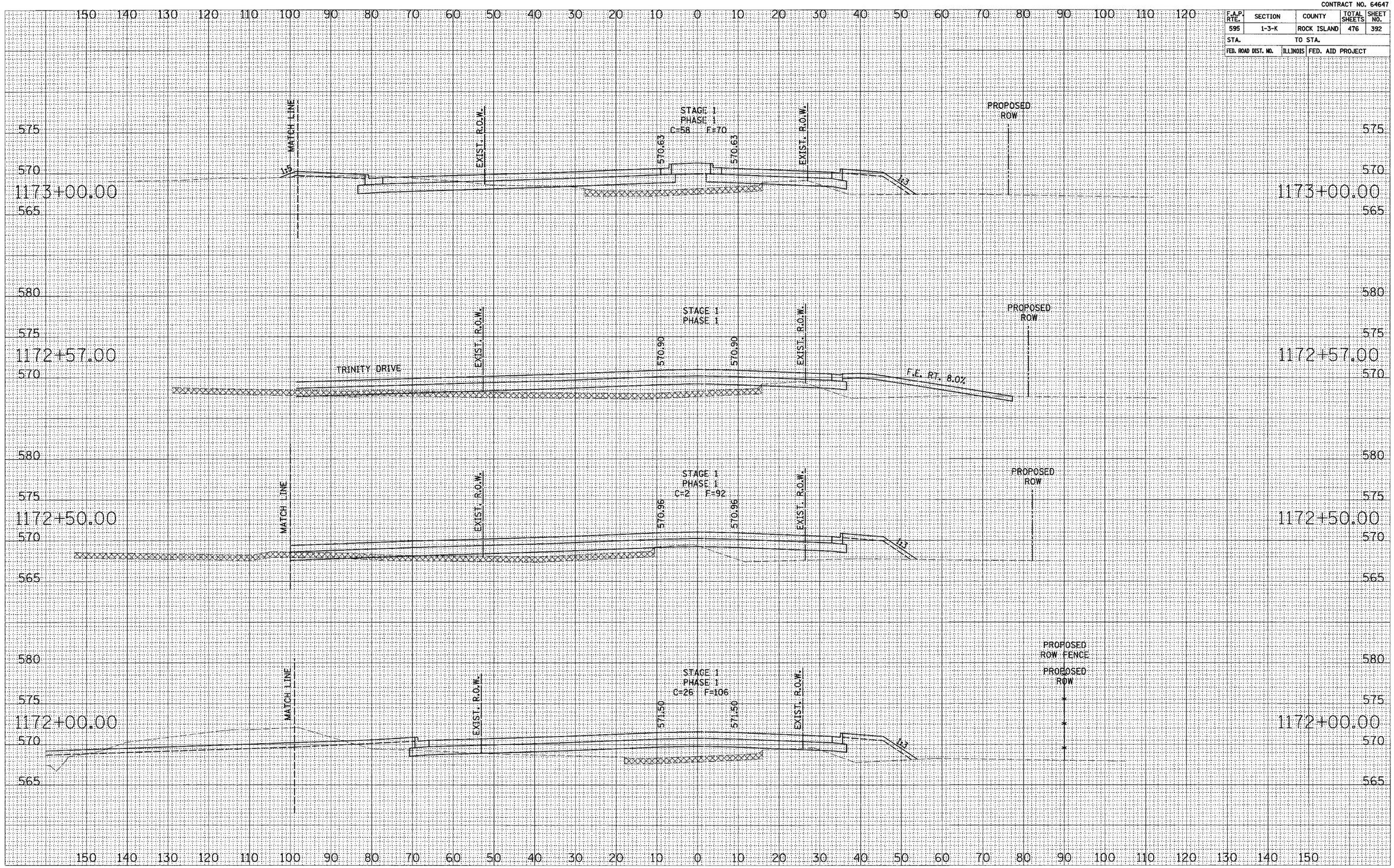
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	391
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



52ND AVENUE CROSS SECTIONS

CONTRACT NO. 64647

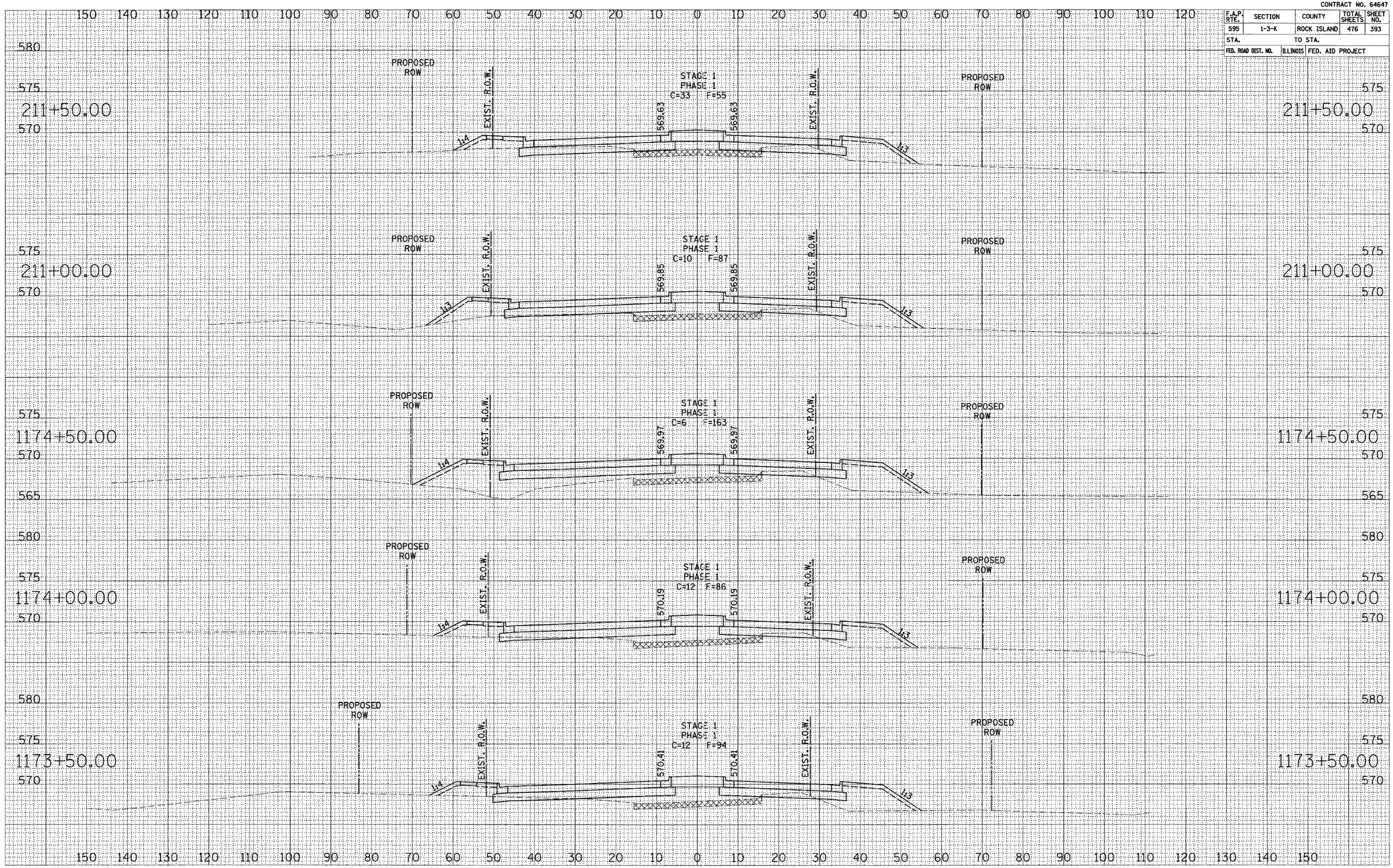
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	392
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



52ND AVENUE CROSS SECTIONS

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	393
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

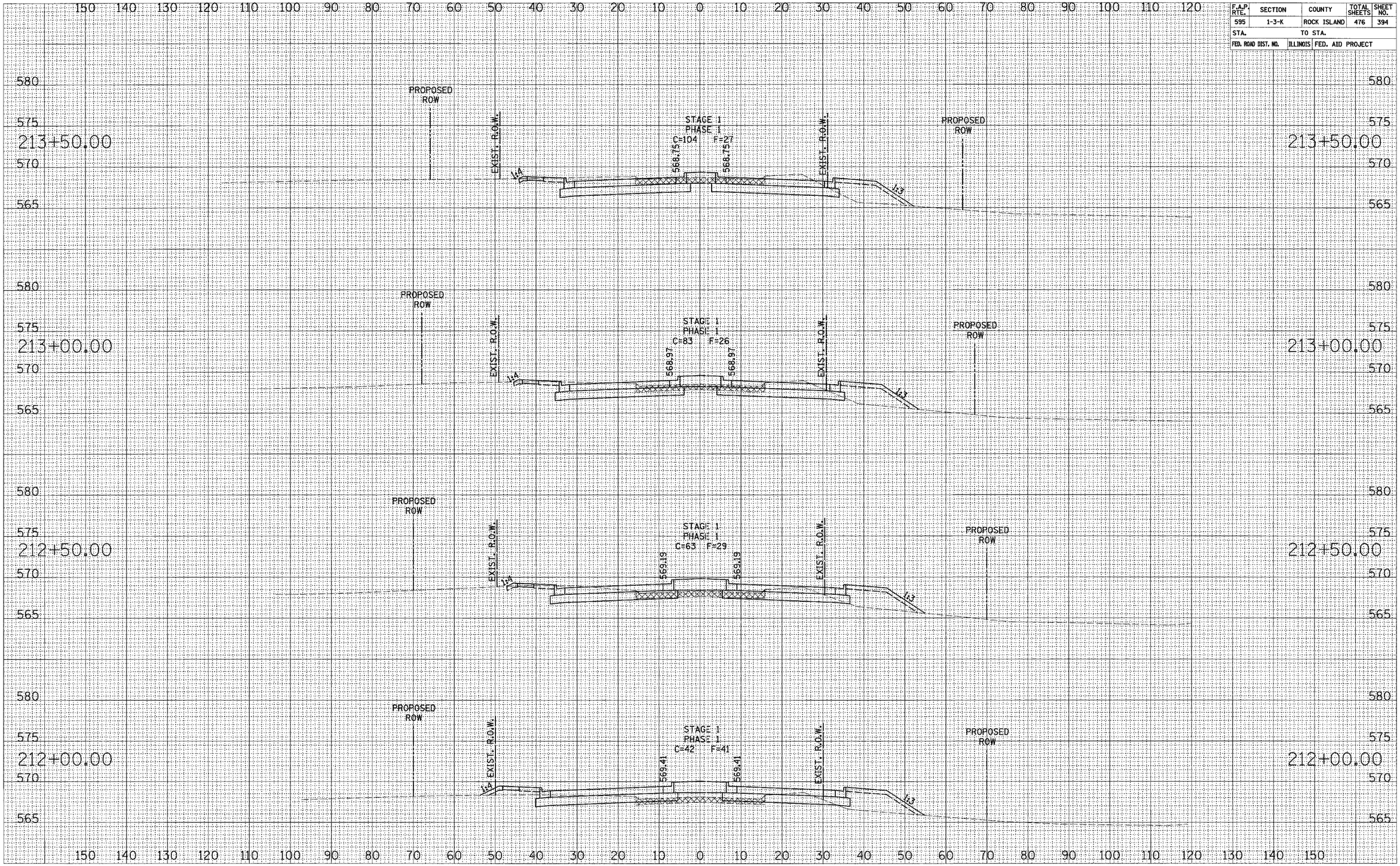


52ND AVENUE CROSS SECTIONS

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	394
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

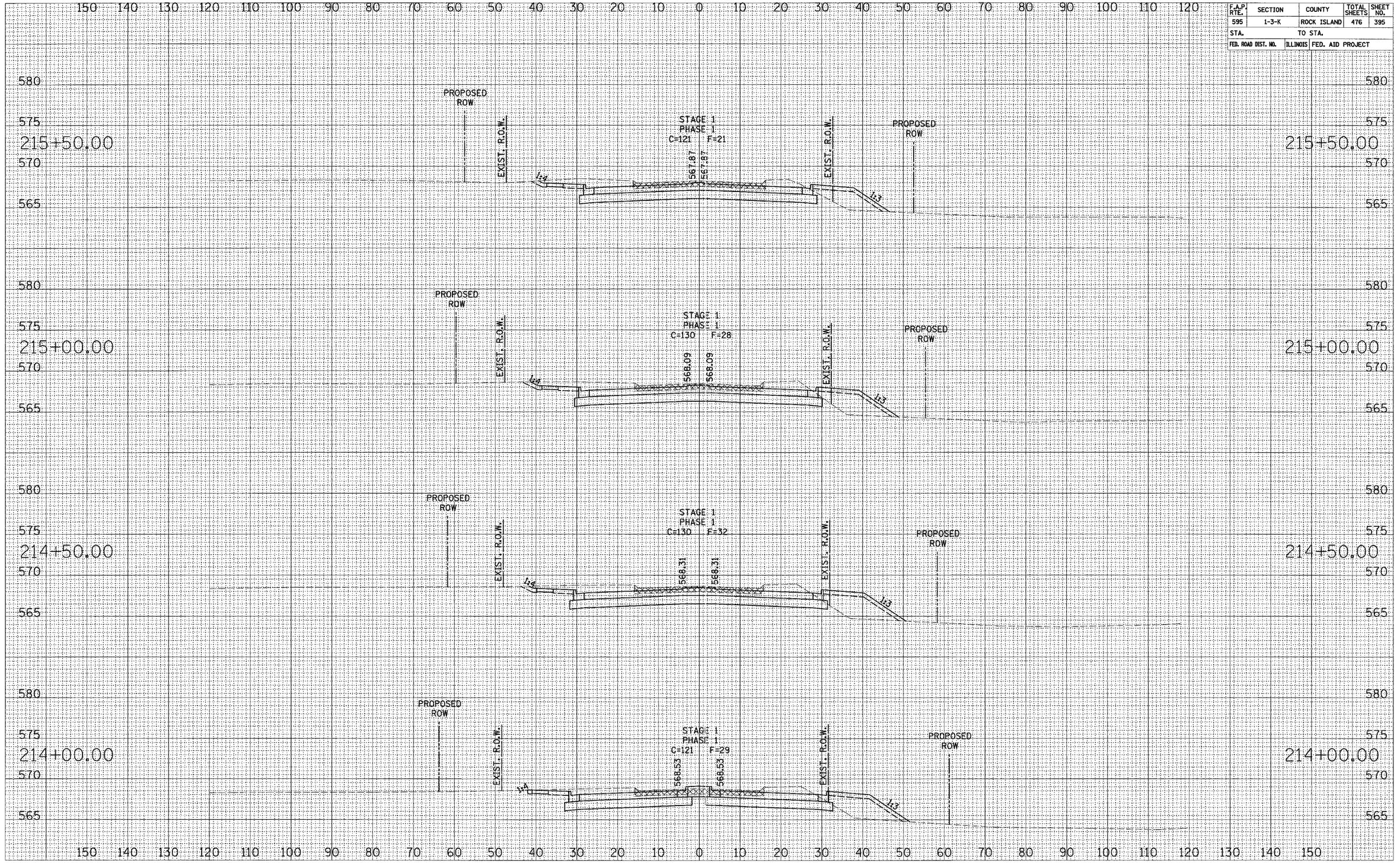
SURVEY NOTE BOOK NO. | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED



52ND AVENUE CROSS SECTIONS

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	395
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



52ND AVENUE CROSS SECTIONS

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	396
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SURVEY
NOTE BOOK
NO.
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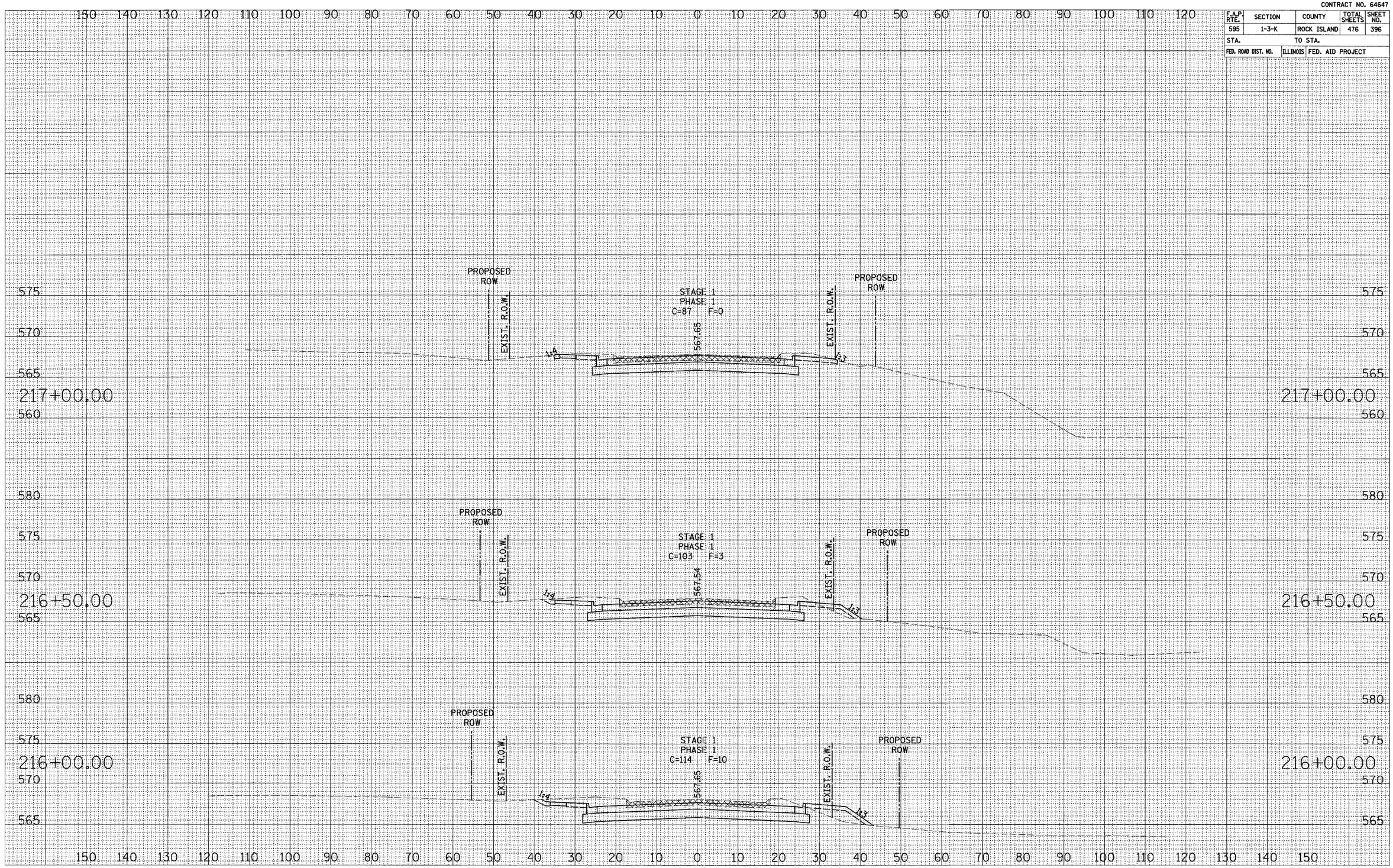
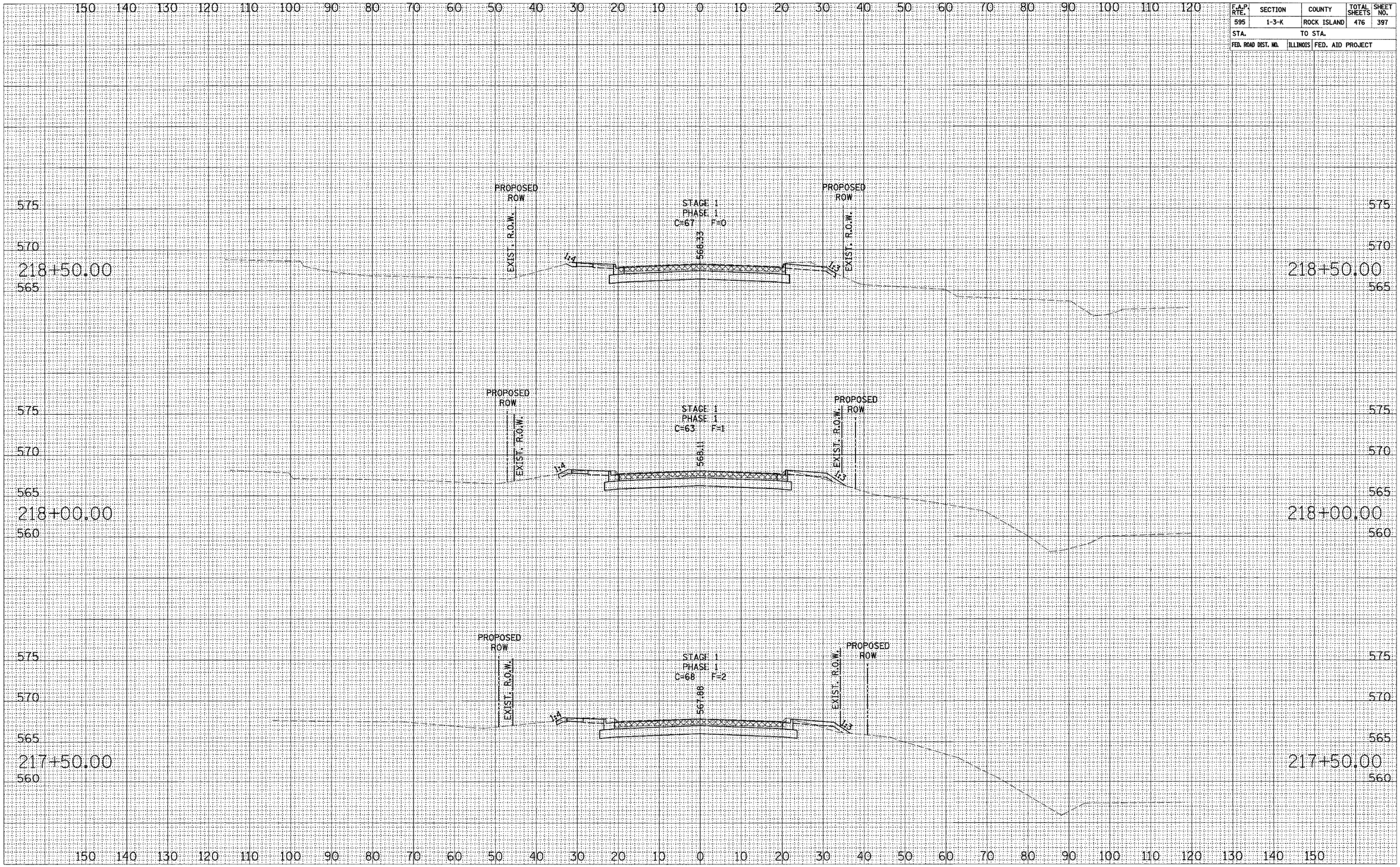
AREAS
AREAS CHECKED



52ND AVENUE CROSS SECTIONS

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	397
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



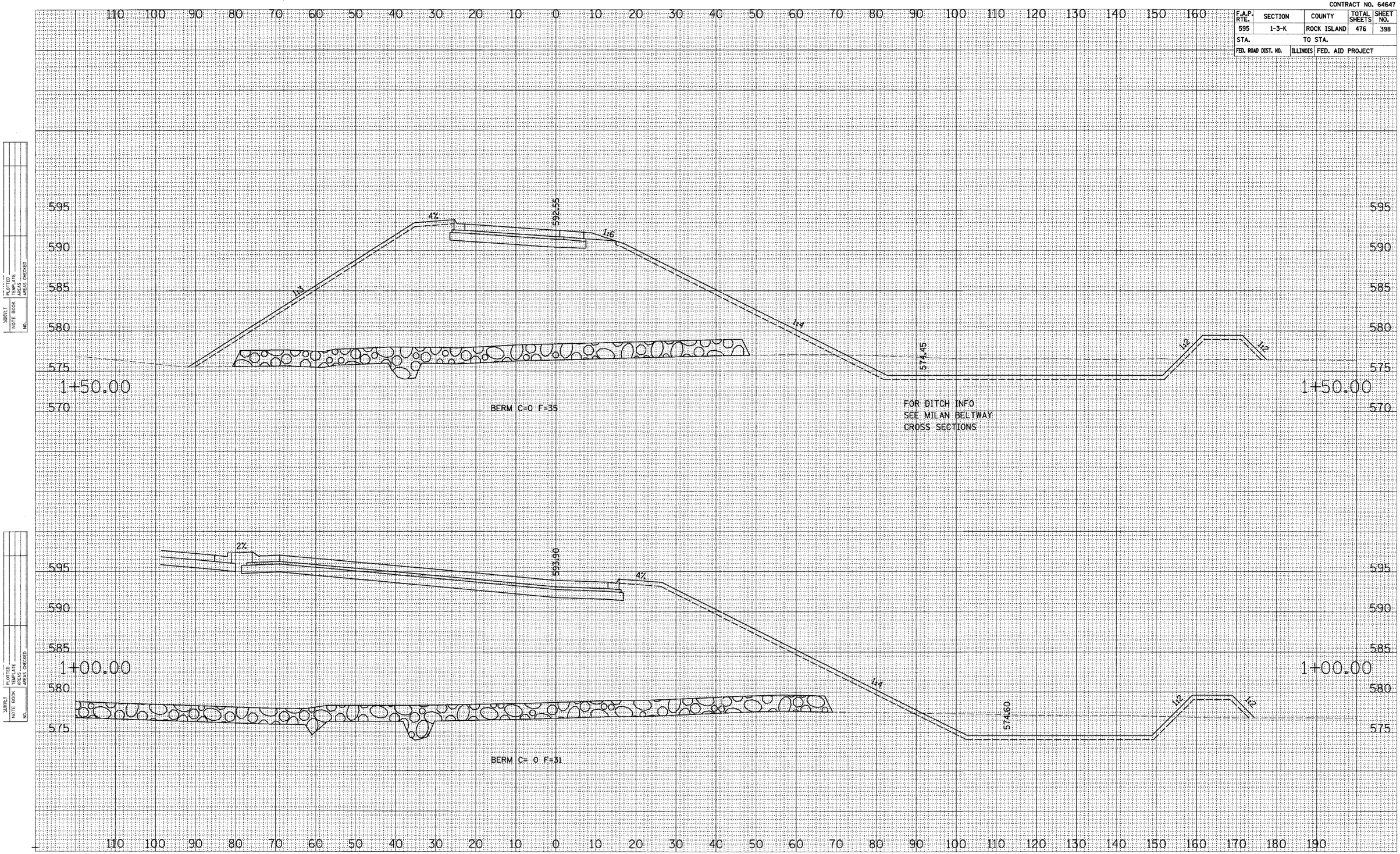
SURVEY NOTE BOOK NO. | PLOTTED TEMPLATE AREAS AREAS CHECKED

SURVEY NOTE BOOK NO. | PLOTTED TEMPLATE AREAS AREAS CHECKED

52ND AVENUE CROSS SECTIONS

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	398
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

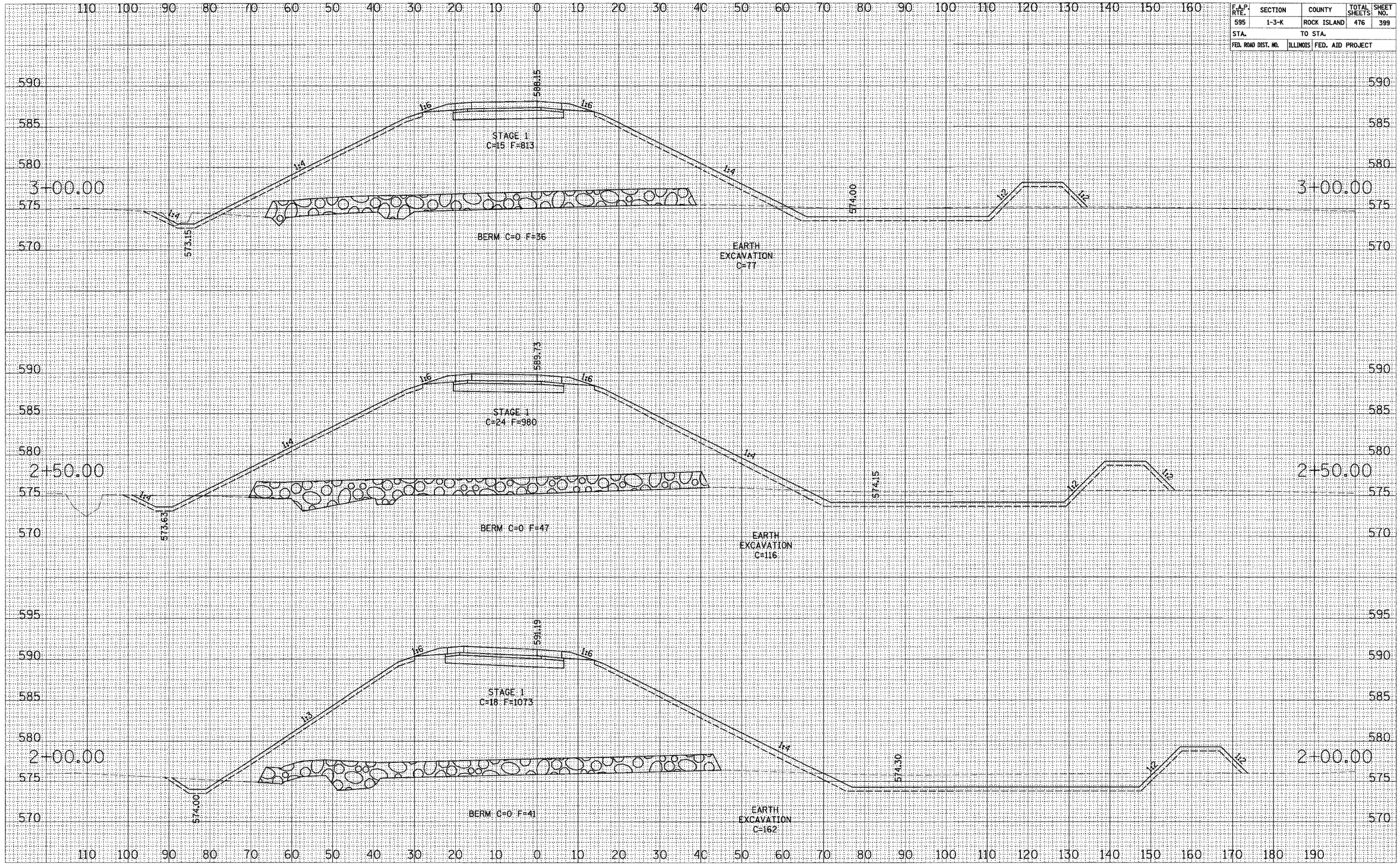


SURVEY NOTE BOOK NO. PLOTTED TEMPLATE AREAS AREAS CHECKED

52ND AVENUE RAMP 1 CROSS SECTIONS

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	399
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



SURVEY
NOTE BOOK
NO.
PLOTTED
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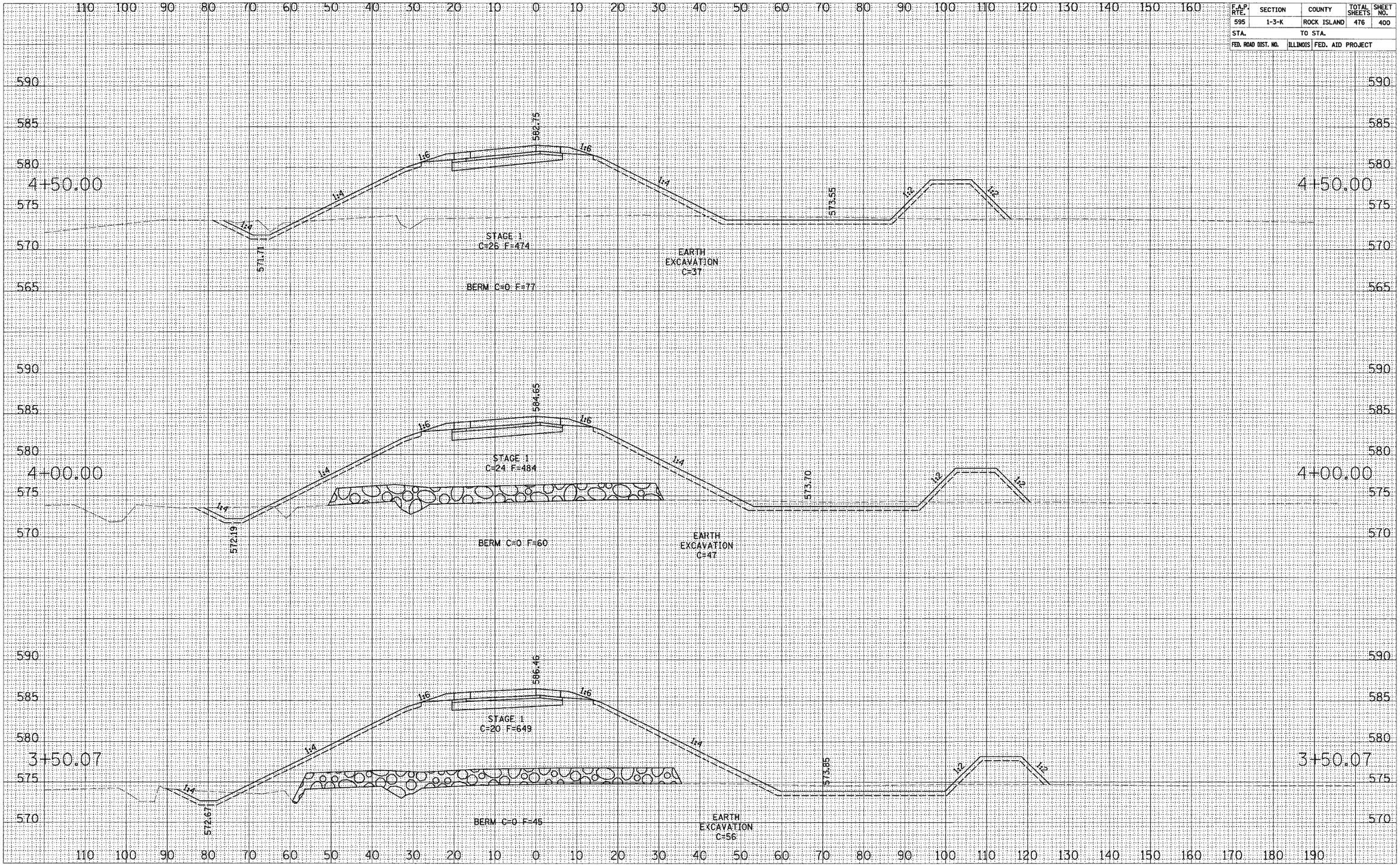
AREAS
AREAS CHECKED

52ND AVENUE RAMP 1 CROSS SECTIONS

CONTRACT NO. 64647

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	1-3-K	ROCK ISLAND	476	400
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SURVEY: PLOTTED / NOTE BOOK: TEMPLATE / NO.: AREAS / AREAS CHECKED



52ND AVENUE RAMP 1 CROSS SECTIONS