GENERAL NOTES

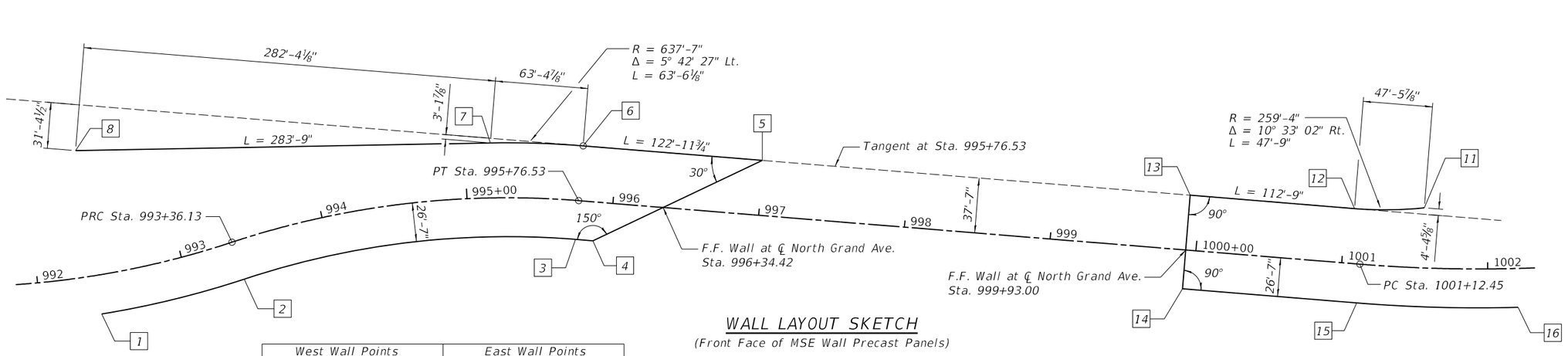
1. Reinforcement bars designated (E) shall be epoxy coated.
2. All substructure concrete shall have a compressive strength of 4,000 psi at 14 days.
3. Bars indicated thus 12x4-#5 etc. indicates 12 lines of bars with 4 lengths per line.
4. The Top of Exposed Panel Elevations shown on Sheets 3 thru 6 are final elevations after allowing settlement. The MSE wall supplier shall provide additional panel heights to allow for the settlement of the leveling pad during installation. Settlement may vary along the length of the wall. Coordinate additional panel heights to be provided with Aggregate Column Improvement subcontractor design.

INDEX OF SHEETS

1.	General Plan & Elevation
2.	General Data
3.	Unfolded Elevation – West
4.	Unfolded Elevation – West
5.	Unfolded Elevation – East
6.	MSE Wall Details
7.	MSE Wall Details
8.	Anchorage Slab – West Wall (South)
9.	Anchorage Slab – East Wall (South)
10.	Anchorage Slab – West Wall (North)
11.	Anchorage Slab – East Wall (North)
12.	Parapet and Anchorage Slab Details
13.	Parapet and Anchorage Slab Details
14.	Railing Details
15.	Railing Details
16.	Subsurface Data Profile
17.	Subsurface Data Profile
18.	Subsurface Data Profile
19.	Subsurface Data Profile

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Structure Excavation	Cu. Yd.	3213
Concrete Structures	Cu. Yd.	376.1
Concrete Superstructures	Cu. Yd.	102.5
Reinforcement Bars, Epoxy Coated	Pound	106530
Parapet Railing	Foot	311
Mechanically Stabilized Earth Retaining Wall	Sq. Ft.	36079
Concrete Gutter, Type B	Foot	227
Concrete Surface Color Treatment	Sq. Ft.	1620
Aggregate Column Ground Improvement	Lump Sum	1
Steel Railing (Special)	Foot	595



WALL LAYOUT SKETCH

(Front Face of MSE Wall Precast Panels)

West Wall Points			East Wall Points		
No.	Station	Offset	No.	Station	Offset
1	992+40.00	26.58' Rt.	11	1001+55.00	41.10' Lt.
2	993+36.13	26.58' Rt.	12	1001+05.75	37.58' Lt.
3	995+76.53	26.58' Rt.	13	999+93.00	37.58' Lt.
4	995+88.37	26.58' Rt.	14	999+93.00	26.58' Rt.
5	996+99.51	37.58' Lt.	15	1001+12.45	26.58' Rt.
6	995+76.53	37.58' Lt.	16	1002+20.00	26.58' Rt.
7	995+16.76	37.58' Lt.			
8	992+40.00	86.47' Lt.			

FINAL PLANS

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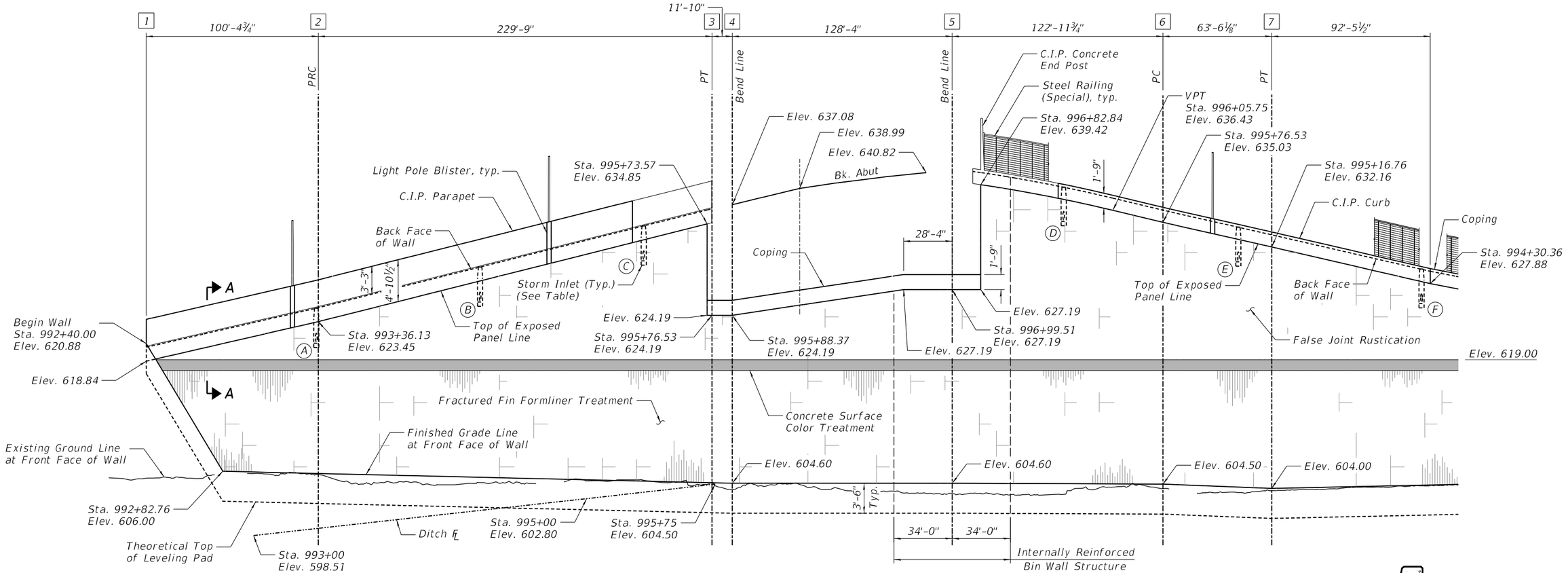
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
RETAINING WALLS – NORTH GRAND AVENUE OVERPASS
SHEET NO. 2 OF 23 SHEETS

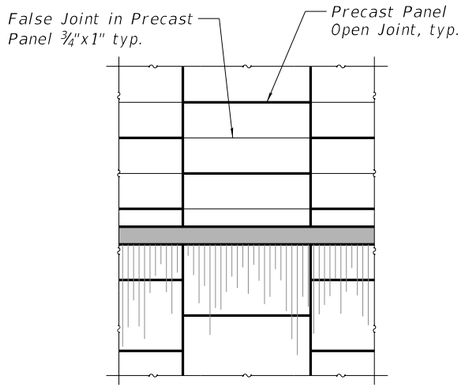
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7972	20-00492-00-BR & 22-00492-01-BR	SANGAMON	714	501
		CONTRACT NO. 93773		
		ILLINOIS FED. AID PROJECT		



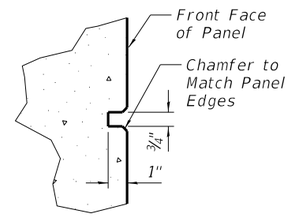
WEST WALL UNFOLDED

STORM INLET TABLE

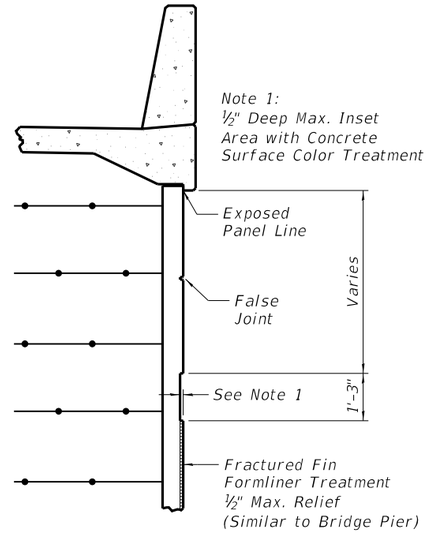
Inlet	Station	Type	Rim Elev.	Invert
A	993+35.00	A	625.02	621.10
B	994+35.00	A	629.82	625.90
C	995+35.00	A	634.62	630.70
D	996+34.42	A	639.14	635.30
E	995+35.00	A	634.47	630.60
F	994+35.00	A	629.55	625.70



MSE WALL PRECAST PANEL PATTERN



FALSE JOINT RUSTICATION



SECTION A-A - TYPICAL RUSTICATION

FINAL PLANS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

UNFOLDED ELEVATION (WEST)
RETAINING WALLS - NORTH GRAND AVENUE OVERPASS
SHEET NO. 3 OF 23 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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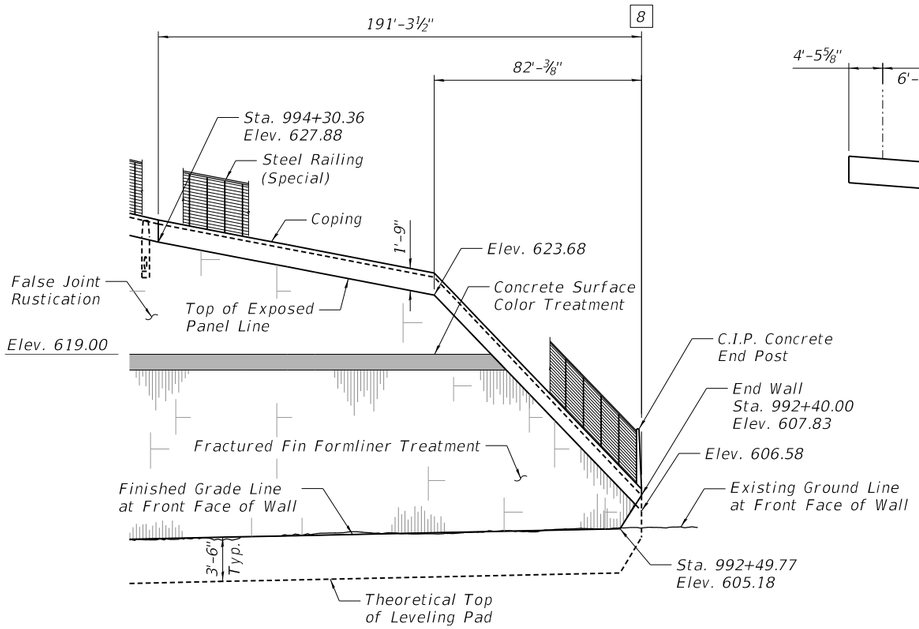
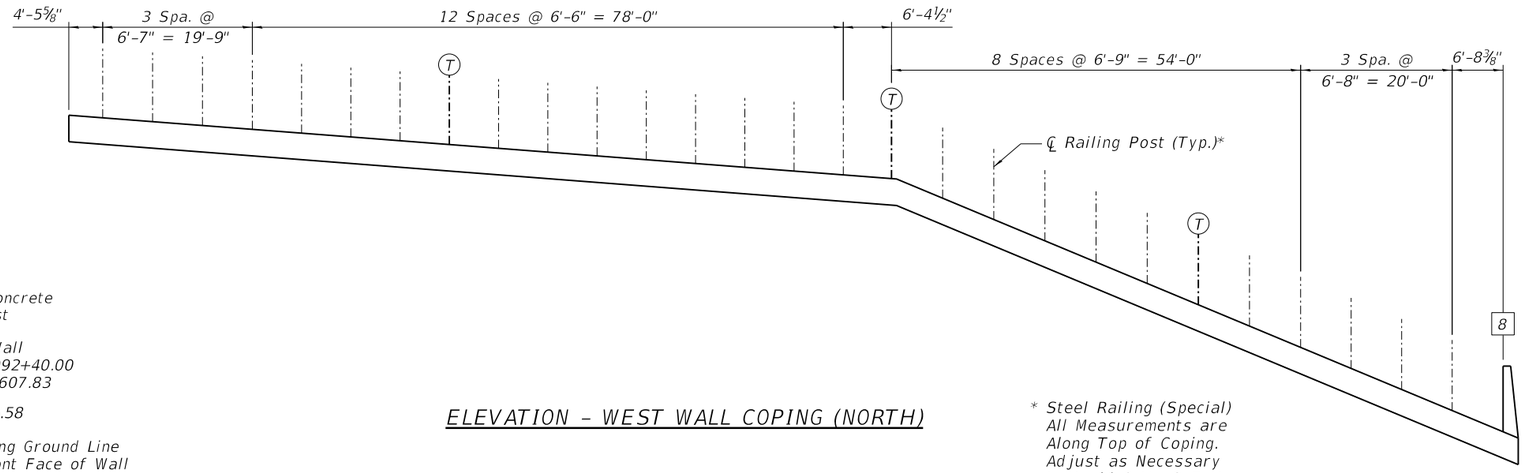
		CONTRACT NO. 93773		
	ILLINOIS FED. AID PROJECT			



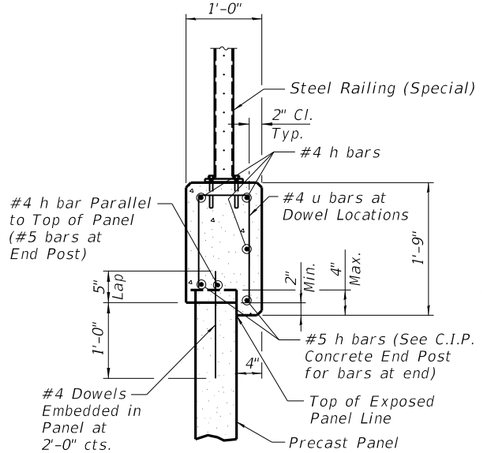
WEST WALL UNFOLDED (CONTINUED)

Ⓣ = Intermediate Tensioning Posts

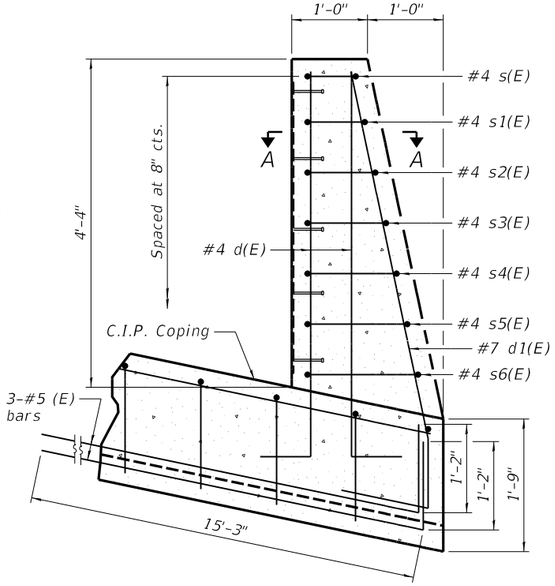


ELEVATION – WEST WALL COPING (NORTH)

* Steel Railing (Special)
All Measurements are
Along Top of Coping.
Adjust as Necessary
to Avoid C.J.'s & E.J.'s.

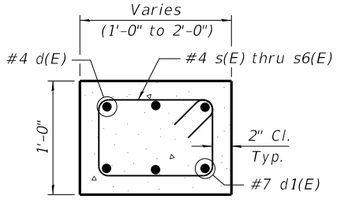


SECTION THRU C.I.P. COPING AT NW END OF WEST WALL

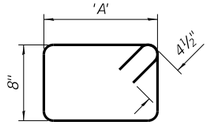


C.I.P. CONCRETE END POST

West End of C.I.P. Coping
See Sheet 16 of 23 for Railing Connection Details

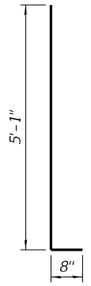


SECTION A-A

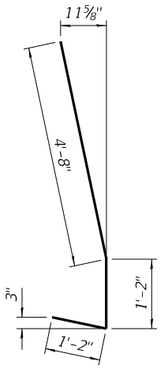


BAR	'A'
s(E)	8"
s1(E)	10"
s2(E)	11"
s3(E)	1'-1"
s4(E)	1'-3"
s5(E)	1'-4"
s6(E)	1'-6"

BARS s(E) THRU s6(E)



BAR d(E)



BAR d1(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d(E)	4	#4	5'-9"	
d1(E)	2	#7	7'-0"	
s(E)	1	#4	3'-5"	
s1(E)	1	#4	3'-9"	
s2(E)	1	#4	3'-11"	
s3(E)	1	#4	4'-3"	
s4(E)	1	#4	4'-7"	
s5(E)	1	#4	4'-9"	
s6(E)	1	#4	5'-1"	
Reinforcement Bars Epoxy Coated			Pound	60
Concrete Superstructure			Cu. Yd.	0.2

FINAL PLANS

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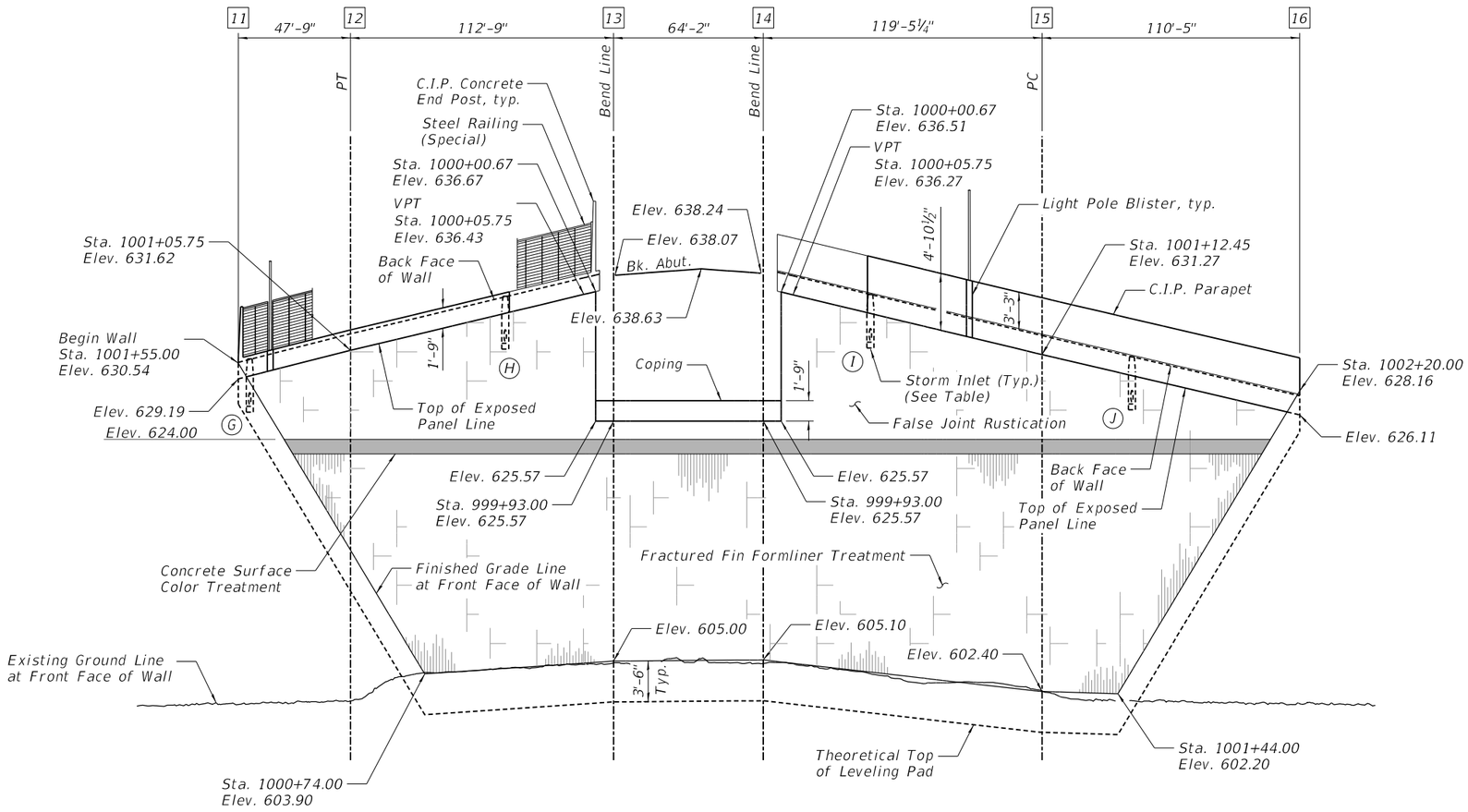
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

UNFOLDED ELEVATION (WEST)
RETAINING WALLS – NORTH GRAND AVENUE OVERPASS
SHEET NO. 4 OF 23 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7972	20-00492-00-BR & 22-00492-01-BR	SANGAMON	714	503
		CONTRACT NO. 93773		
	ILLINOIS	FED. AID PROJECT		



EAST WALL UNFOLDED

STORM INLET TABLE

Inlet	Station	Type	Rim Elev.	Invert
G	1001+50.00	A	630.83	627.00
H	1000+39.00	A	636.37	632.40
I	1000+39.00	A	636.42	632.50
J	1001+50.00	A	631.09	627.20

FINAL PLANS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

UNFOLDED ELEVATION (EAST)
RETAINING WALLS – NORTH GRAND AVENUE OVERPASS
SHEET NO. 5 OF 23 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 93773		
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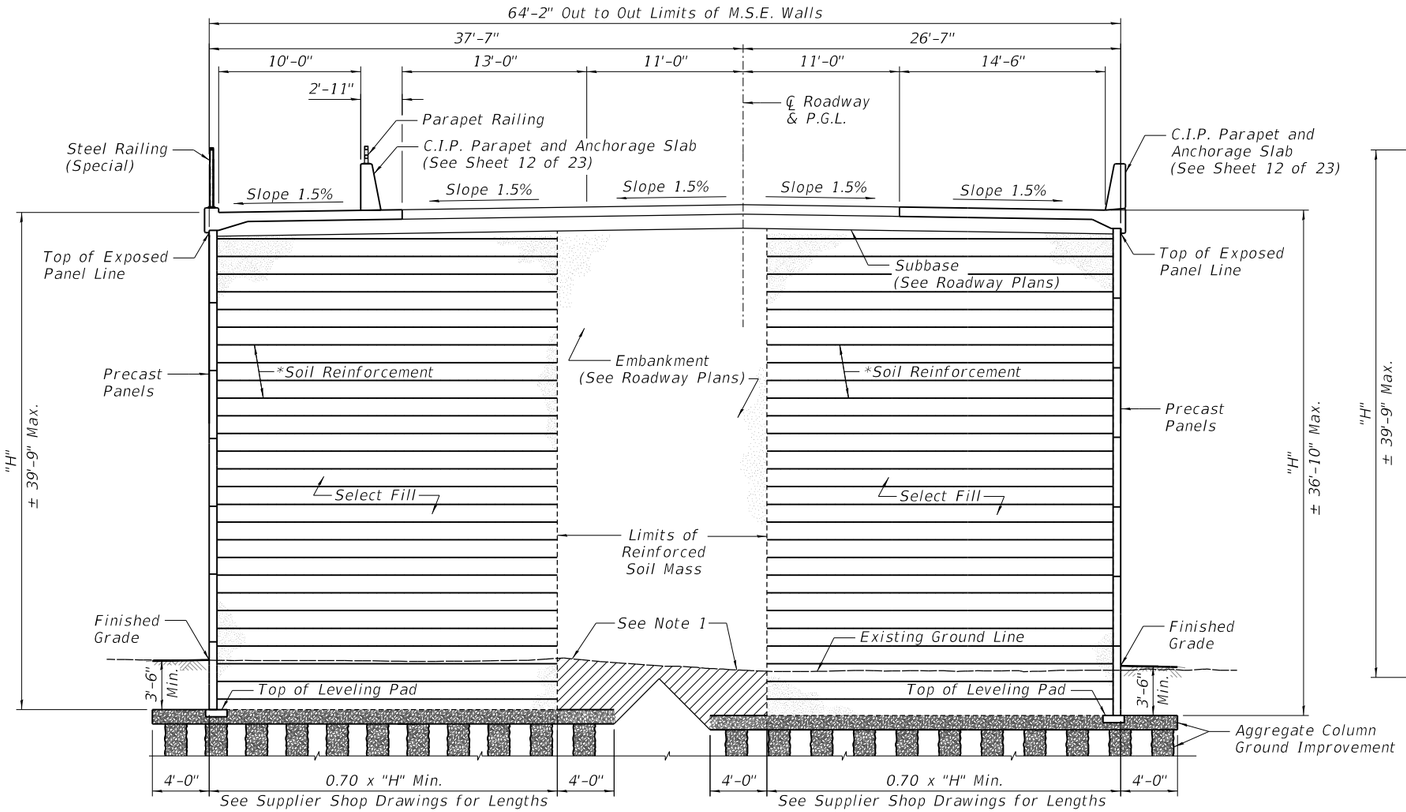
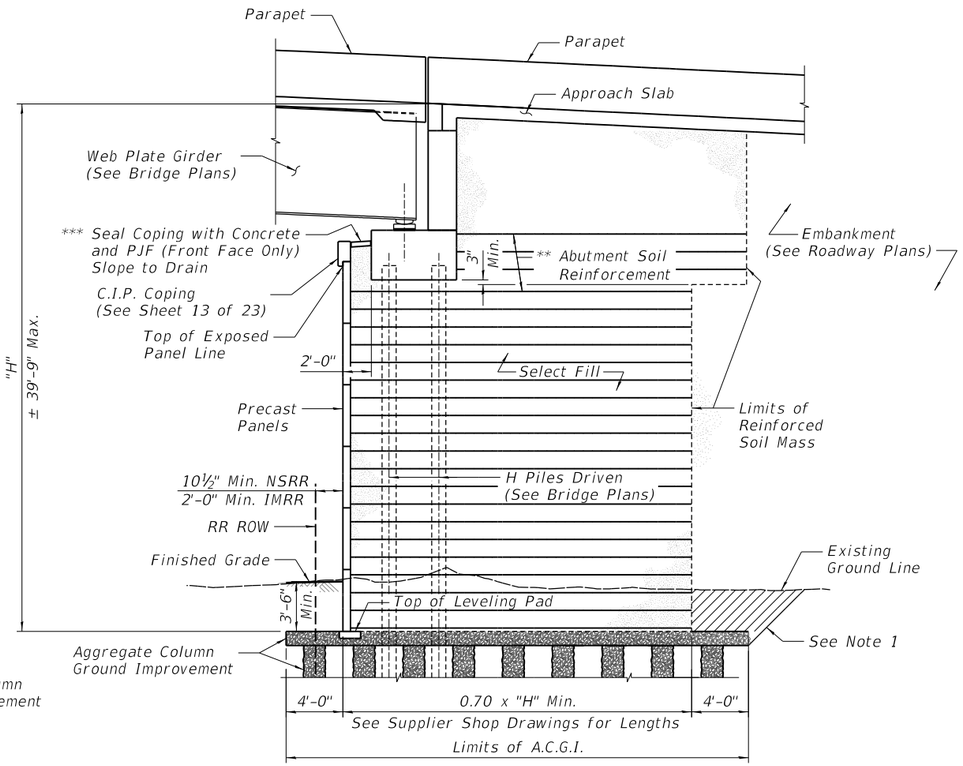


TYPICAL BACK TO BACK M.S.E. WALL SECTION

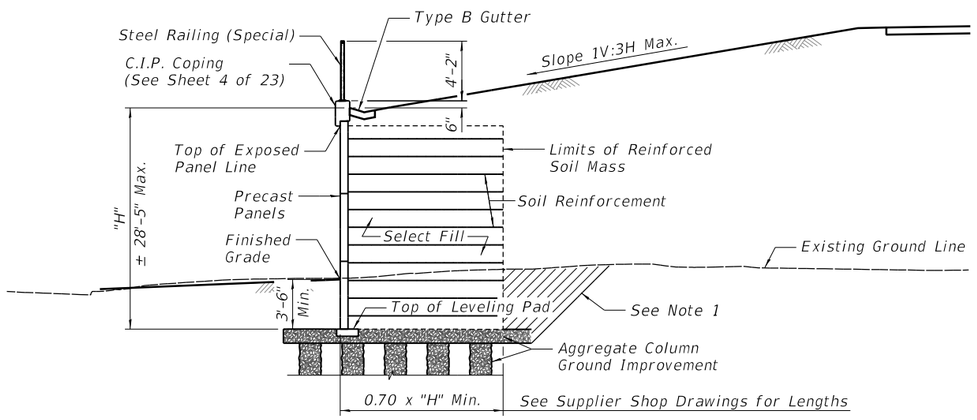


TYPICAL SECTION THRU ABUTMENT

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

** The M.S.E. wall supplier shall design the abutment soil reinforcement to resist a horizontal force (service) of (West) 4.9 kips/ft. and (East) 5.2 kips/ft. of abutment. Cost of furnishing and installing abutment soil reinforcement is included with "Mechanically Stabilized Earth Retaining Wall".

*** Cost of placing concrete and PJF is included with "Mechanically Stabilized Earth Retaining Wall".



TYPICAL SECTION - WEST WALL NORTH SIDE

STA. 992+40.00 TO 994+30.36

Notes:

1. *Overexcavation beyond the limits of structure excavation. This area not measured for payment. Backfill overexcavation with same material as used for select fill.*
2. *The M.S.E. wall supplier is alerted to the fact that 3.4 inches of settlement are anticipated from Sta. 992+50 to Sta. 1002+10 and shall take appropriate measures to accomodate this settlement in the wall design.*

FINAL PLANS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MSE WALL DETAILS
RETAINING WALLS - NORTH GRAND AVENUE OVERPASS

SHEET NO. 6 OF 23 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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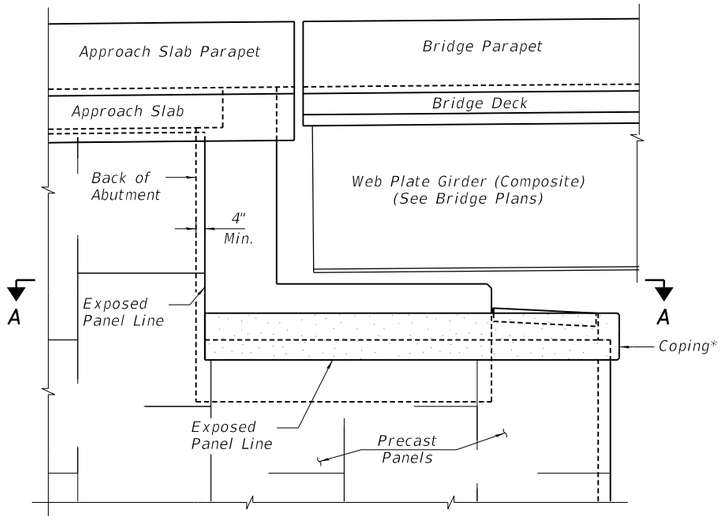
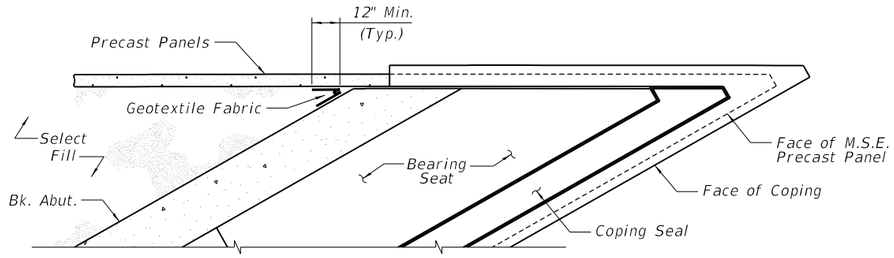
		CONTRACT NO. 93773		
	ILLINOIS FED. AID PROJECT			

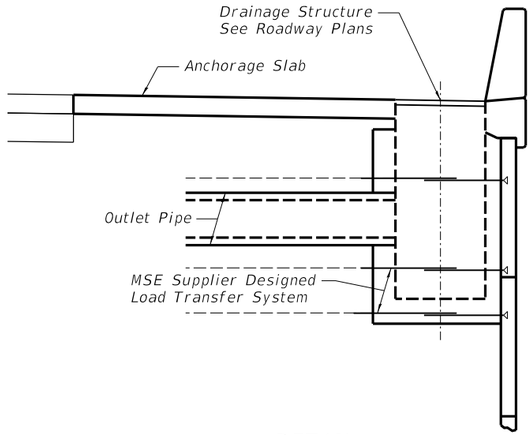


ABUTMENT END VIEW

* Cost of furnishing and installing Coping is included with "Mechanically Stabilized Earth Retaining Wall"



SECTION A-A



DETAIL
INLET THRU ANCHORAGE SLAB

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MSE WALL DETAILS
RETAINING WALLS – NORTH GRAND AVENUE OVERPASS
SHEET NO. 7 OF 23 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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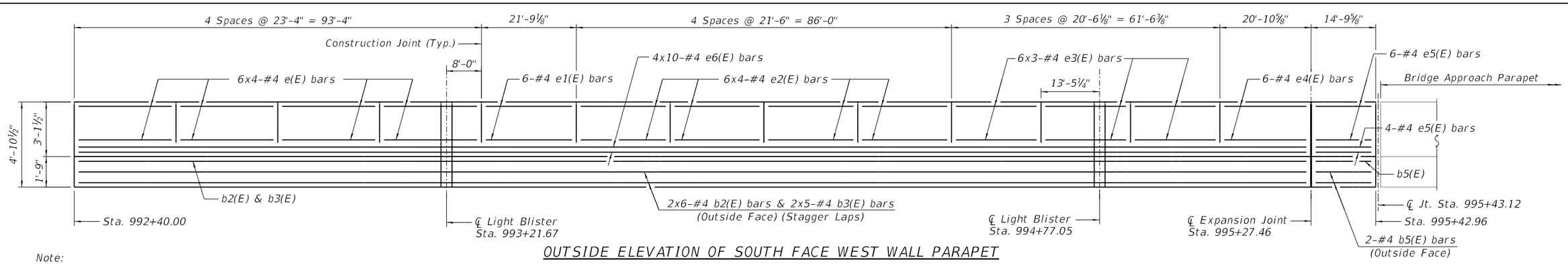
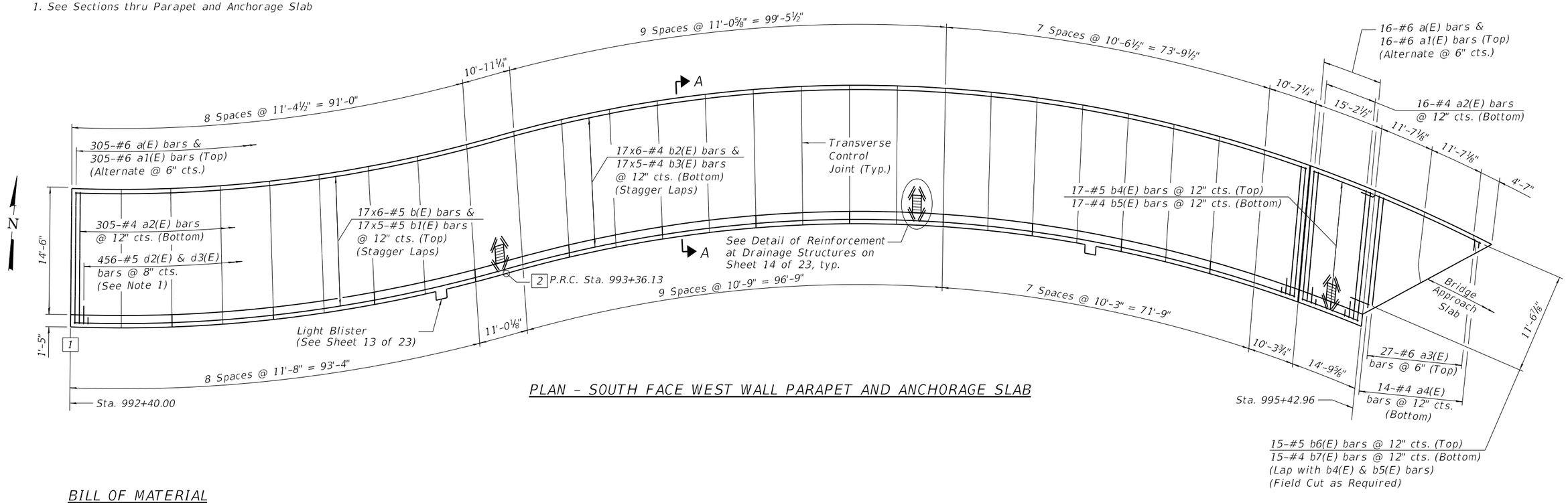


OUTSIDE ELEVATION OF SOUTH FACE WEST WALL PARAPET

Note:

1. See Sections thru Parapet and Anchorage Slab



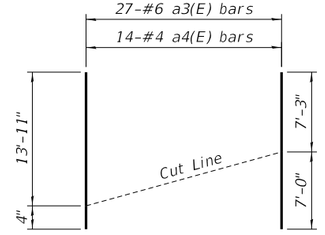
PLAN - SOUTH FACE WEST WALL PARAPET AND ANCHORAGE SLAB

BILL OF MATERIAL

Bar	No.	Size	Length	Shape	Bar	No.	Size	Length	Shape
a(E)	321	#6	16'-10"		d2(E)	456	#5	6'-5"	
a1(E)	321	#6	15'-7"		d3(E)	456	#5	8'-3"	
a2(E)	321	#4	15'-7"						
a3(E)	27	#6	14'-4"		e(E)	24	#4	23'-4"	
a4(E)	14	#4	14'-4"		e1(E)	6	#4	21'-5"	
a15(E)	24	#5	2'-0"		e2(E)	24	#4	21'-2"	
					e3(E)	18	#4	20'-2"	
b(E)	102	#5	34'-0"		e4(E)	6	#4	20'-6"	
b1(E)	85	#5	20'-9"		e5(E)	10	#4	14'-5"	
b2(E)	114	#4	34'-0"		e6(E)	40	#4	30'-10"	
b3(E)	95	#4	19'-7"						
b4(E)	17	#5	14'-8"		Reinforcement Bars Epoxy Coated		Pound	39250	
b5(E)	19	#4	14'-8"		Concrete Structures		Cu. Yd.	140.8	
b6(E)	15	#5	30'-0"		Concrete Superstructure		Cu. Yd.	39.2	
b7(E)	15	#4	29'-5"						

MIN. BAR LAPS

#4 Bars = 2'-5"
#5 Bars = 3'-0"



BAR a3(E) & a4(E)

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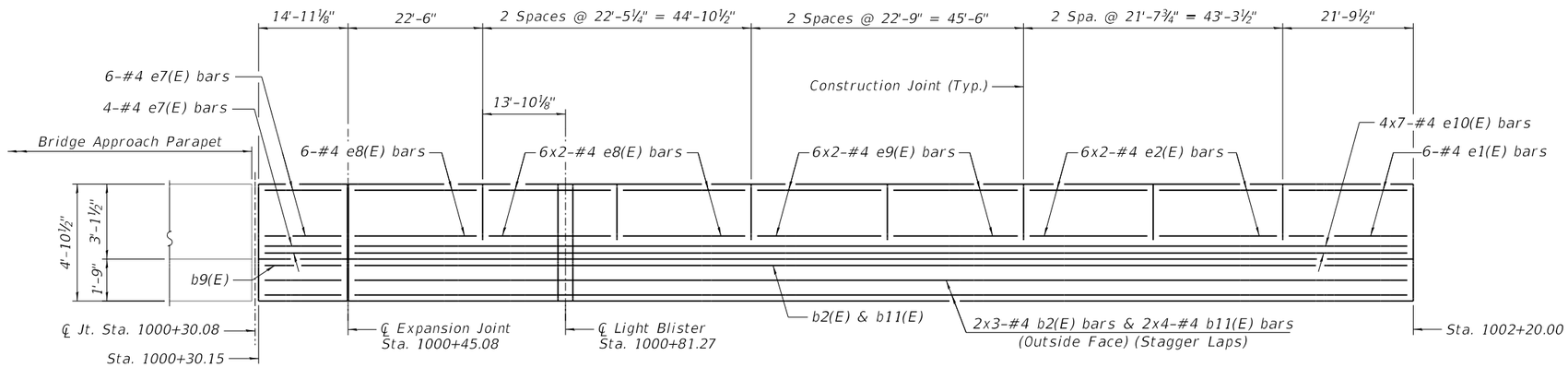
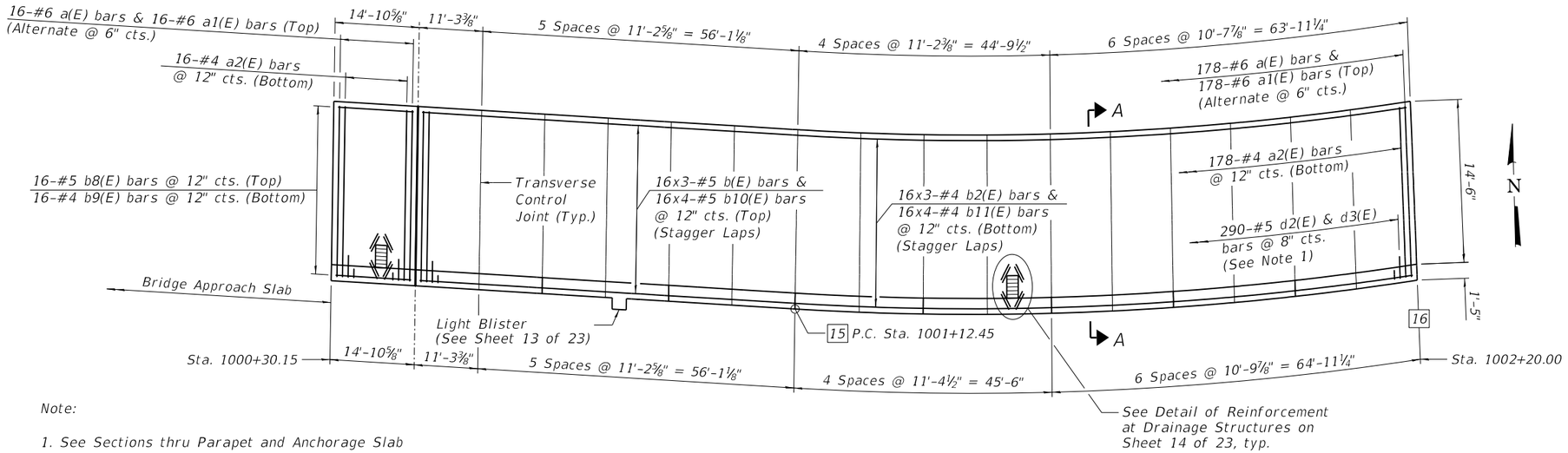
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ANCHORAGE SLAB – WEST WALL (SOUTH)
RETAINING WALLS – NORTH GRAND AVENUE OVERPASS
SHEET NO. 8 OF 23 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7972	20-00492-00-BR & 22-00492-01-BR	SANGAMON	714	507
		CONTRACT NO. 93773		
	ILLINOIS FED. AID PROJECT			



OUTSIDE ELEVATION OF SOUTH FACE EAST WALL PARAPET



Note:

1. See Sections thru Parapet and Anchorage Slab

PLAN - SOUTH FACE EAST WALL PARAPET AND ANCHORAGE SLAB

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	194	#6	16'-10"	
a1(E)	194	#6	15'-7"	
a2(E)	194	#4	15'-7"	
a15(E)	16	#5	2'-0"	
b(E)	48	#5	34'-0"	
b2(E)	48	#4	34'-0"	
b8(E)	16	#5	14'-6"	
b9(E)	16	#4	14'-6"	
b10(E)	64	#5	23'-6"	
b11(E)	64	#4	22'-8"	
d2(E)	290	#5	6'-5"	
d3(E)	290	#5	8'-3"	
e1(E)	6	#4	21'-5"	
e2(E)	12	#4	21'-2"	
e7(E)	10	#4	14'-7"	
e8(E)	18	#4	22'-1"	
e9(E)	12	#4	22'-5"	
e10(E)	28	#4	27'-6"	
Reinforcement Bars Epoxy Coated			Pound	22970
Concrete Structures			Cu. Yd.	93.9
Concrete Superstructure			Cu. Yd.	22.6

MIN. BAR LAPS

#4 Bars = 2'-5"
#5 Bars = 3'-0"

FINAL PLANS

pw:\\hansoninc-pw.bentley.com:hanson-pw-01\Documents\09Jobs\09L01798\Usable Segments III - V - VI\CAD\Struct\Usable Segment VI\North Grand Overpass\Sheet\09L01798-NorthGrandOverpass-Retaining-Walls-Plans.dgn

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	PLOT SCALE = 0.167 ' / in.	DRAWN - EJM	REVISED -
	PLOT DATE = 9/27/2024	CHECKED - RGC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ANCHORAGE SLAB – EAST WALL (SOUTH)
RETAINING WALLS – NORTH GRAND AVENUE OVERPASS
SHEET NO. 9 OF 23 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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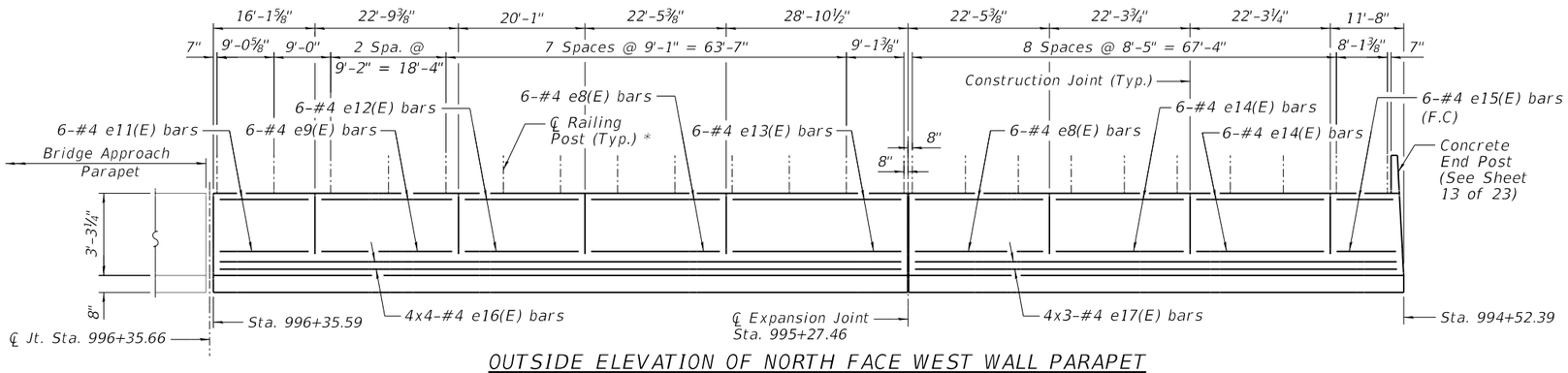
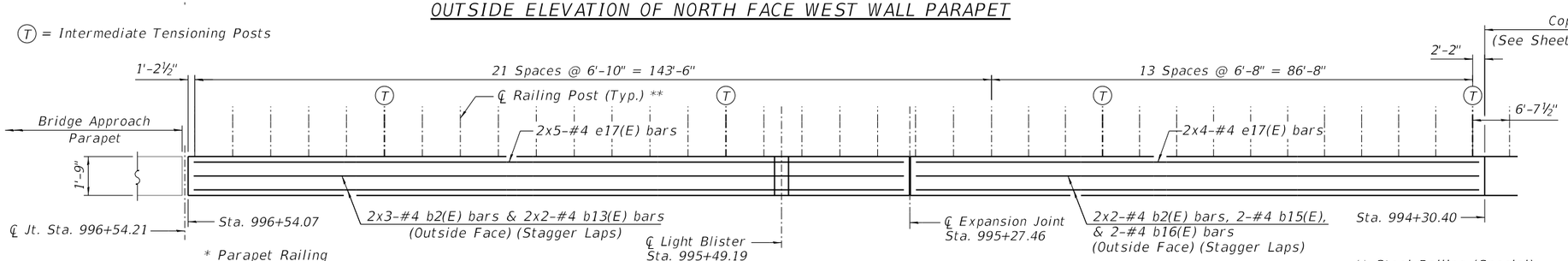
		CONTRACT NO. 93773		
		ILLINOIS FED. AID PROJECT		



OUTSIDE ELEVATION OF NORTH FACE WEST WALL PARAPET

Ⓣ = Intermediate Tensioning Posts

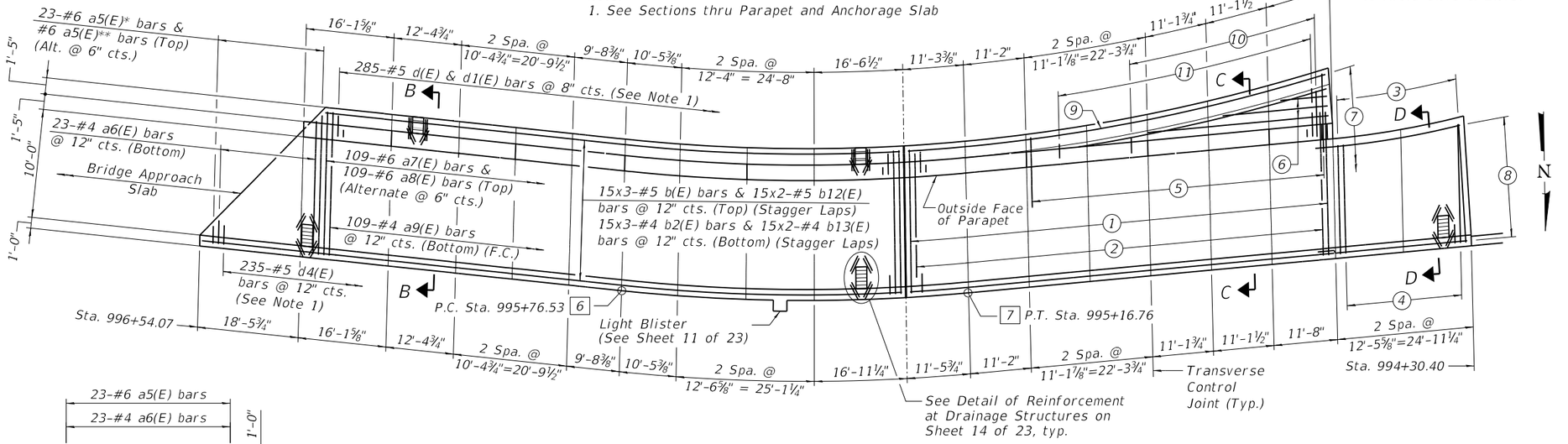


* Parapet Railing
All Measurements are
Along ℄ of Top of Parapet.
Adjust as Necessary
to Avoid C.J.'s & E.J.'s.

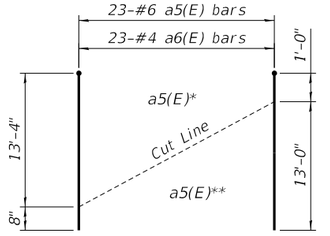
** Steel Railing (Special)
All Measurements are
Along ℄ of Top of Curb.
Adjust as Necessary
to Avoid C.J.'s & E.J.'s.

OUTSIDE ELEVATION OF NORTH FACE WEST WALL ANCHORAGE SLAB

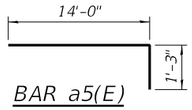
Note:
1. See Sections thru Parapet and Anchorage Slab



PLAN – NORTH FACE WEST WALL PARAPET AND ANCHORAGE SLAB



BAR a5(E) & a6(E)



BAR a5(E)

1. 80-#6 a7(E) bars & 80-#6 a8(E) bars (Top) (Alt. @ 6" cts.)
2. 80-#4 a9(E) bars @ 12" cts. (Bottom)
3. 26-#6 a10(E) bars & 26-#6 a11(E) bars (Top) Alternate @ 6" cts.) (F.C.)
4. 26-#4 a12(E) bars @ 12" cts. (Bottom) (F.C.)
5. 92-#6 a13(E) bars @ 6" cts. (Top) & 46-#4 a14(E) bars @ 12" cts. (Bottom)
6. #5 b18(E), b19(E), & b20(E) bars (See Typical Section)
7. Fan 19x2-#5 b(E) bars & 19-#5 b14(E) bars @ 12" cts. (Top) (Stagger Laps)
   Fan 19x2-#4 b2(E) bars & 19-#4 b15(E) bars @ 12" cts. (Bottom) (Stagger Laps)
8. 13-#5 b16(E) bars @ 12" cts. (Top) & 13-#4 b17(E) bars @ 12" cts. (Bottom)
9. 1x2-#5 b21(E) bars (See Typical Section)
10. 38-#5 c1(E) bars @ 12" cts. (F.C.)
11. 50-#5 c(E) bars @ 12" cts.

F.C. = Field Cut

MIN. BAR LAPS

#4 Bars = 2'-5"
#5 Bars = 3'-0"
#6 Bars = 3'-7"

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a5(E)	23	#6	15'-3"	
a6(E)	23	#4	14'-0"	
a7(E)	189	#6	14'-10"	
a8(E)	189	#6	13'-7"	
a9(E)	189	#4	13'-7"	
a10(E)	26	#6	12'-10"	
a11(E)	26	#6	11'-7"	
a12(E)	26	#4	11'-7"	
a13(E)	92	#6	7'-3"	
a14(E)	46	#4	6'-1"	
a15(E)	40	#5	2'-0"	
b(E)	83	#5	34'-0"	
b2(E)	93	#4	34'-0"	
b12(E)	30	#5	20'-0"	
b13(E)	34	#4	19'-10"	
b14(E)	19	#5	16'-8"	
b15(E)	21	#4	15'-6"	
b16(E)	13	#5	28'-2"	
b17(E)	15	#4	27'-7"	
b18(E)	1	#5	33'-8"	
b19(E)	1	#5	19'-9"	
b20(E)	1	#5	9'-0"	
b21(E)	2	#5	24'-9"	
c(E)	50	#5	2'-4"	
c1(E)	38	#5	4'-8"	
d2(E)	285	#5	6'-5"	
d3(E)	285	#5	8'-3"	
d4(E)	235	#5	3'-5"	
e8(E)	12	#4	22'-1"	
e9(E)	6	#4	22'-5"	
e11(E)	6	#4	15'-9"	
e12(E)	6	#4	19'-9"	
e13(E)	6	#4	28'-6"	
e14(E)	12	#4	21'-11"	
e15(E)	6	#4	11'-4"	
e16(E)	16	#4	29'-5"	
e17(E)	30	#4	27'-11"	
Reinforcement Bars Epoxy Coated		Pound	27530	
Concrete Structures		Cu. Yd.	87.1	
Concrete Superstructure		Cu. Yd.	25.3	

FINAL PLANS

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HANSON

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	CHECKED - RGC	REVISED -
PLOT SCALE = 0.167 ' / in.	DRAWN - EJM	REVISED -
PLOT DATE = 9/27/2024	CHECKED - RGC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ANCHORAGE SLAB – WEST WALL (NORTH)
RETAINING WALLS – NORTH GRAND AVENUE OVERPASS

SHEET NO. 10 OF 23 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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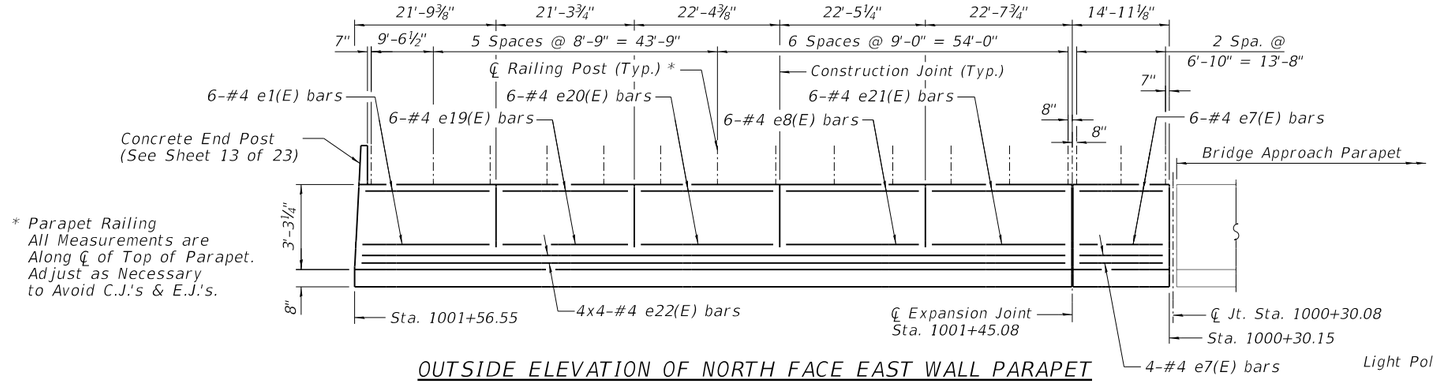
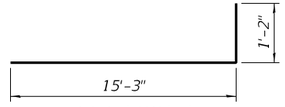
		CONTRACT NO. 93773		
		ILLINOIS FED. AID PROJECT		

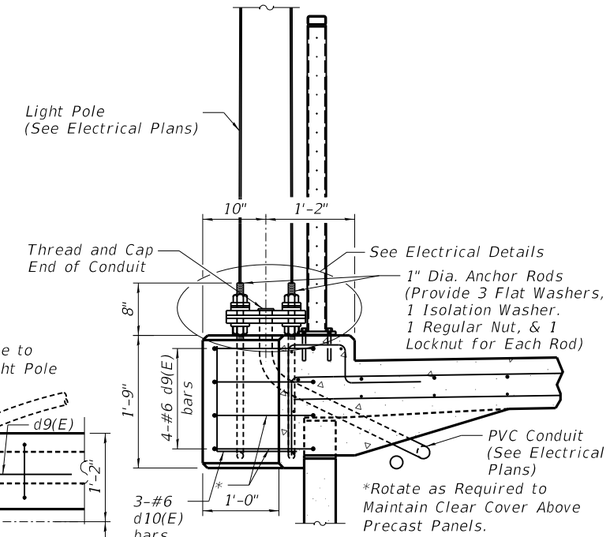


* Parapet Railing
All Measurements are
Along ℄ of Top of Parapet.
Adjust as Necessary
to Avoid C.J.'s & E.J.'s.

OUTSIDE ELEVATION OF NORTH FACE EAST WALL PARAPET

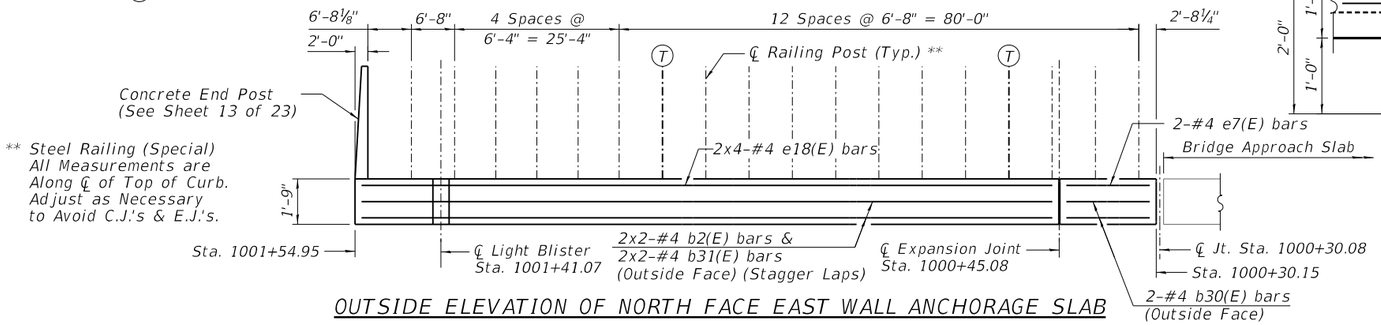


BAR b32(E)



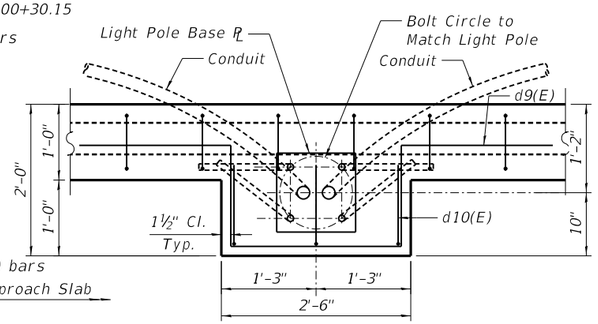
LIGHT BLISTER SECTION

Ⓣ = Intermediate Tensioning Posts

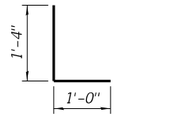


** Steel Railing (Special)
All Measurements are
Along ℄ of Top of Curb.
Adjust as Necessary
to Avoid C.J.'s & E.J.'s.

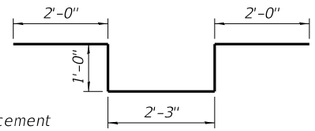
OUTSIDE ELEVATION OF NORTH FACE EAST WALL ANCHORAGE SLAB



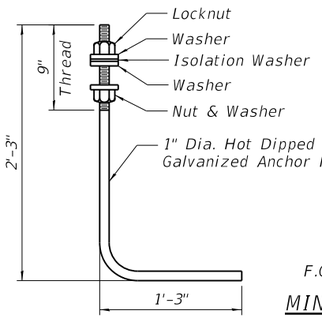
LIGHT BLISTER DETAIL



BAR d10(E)



BAR d9(E)



ANCHOR ROD

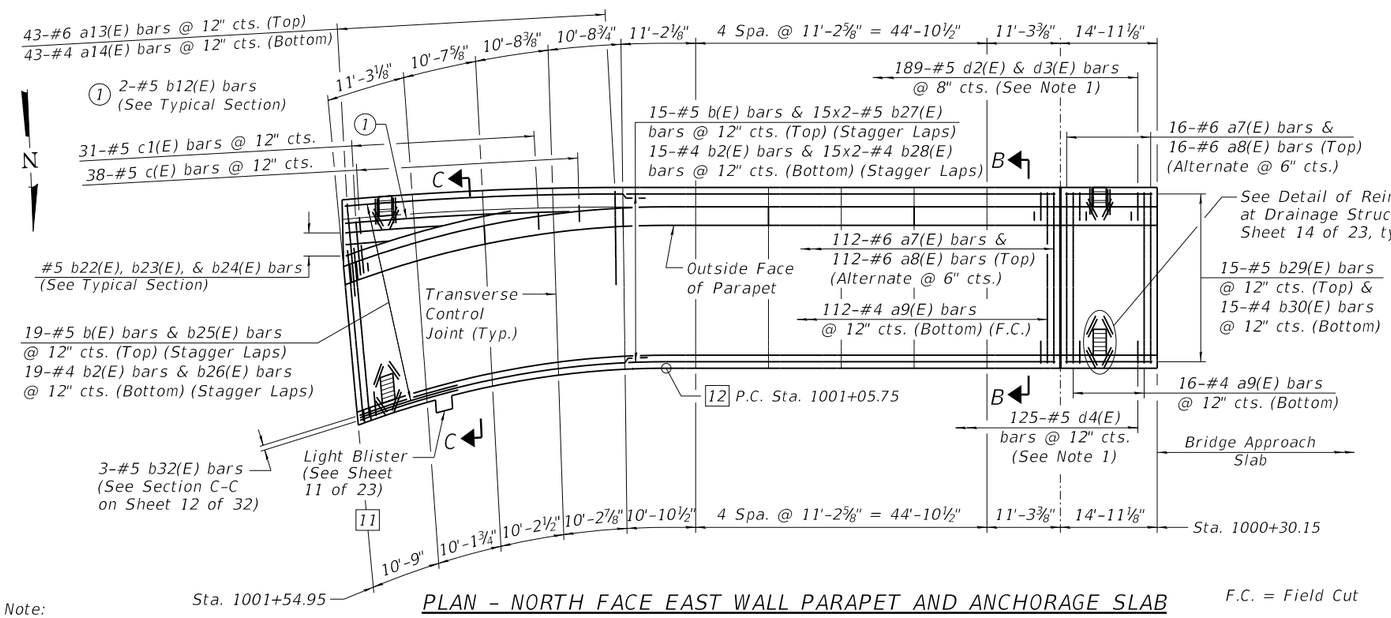
F.C. = Field Cut

MIN. BAR LAPS

#4 Bars = 2'-5"
#5 Bars = 3'-0"
#6 Bars = 3'-7"

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a7(E)	128	#6	14'-10"	———
a8(E)	128	#6	13'-7"	———
a9(E)	128	#4	13'-7"	———
a13(E)	43	#6	7'-3"	———
a14(E)	43	#4	6'-1"	———
a15(E)	32	#5	2'-0"	———
b(E)	34	#5	34'-0"	———
b2(E)	38	#4	34'-0"	———
b12(E)	2	#5	20'-0"	———
b22(E)	1	#5	15'-1"	———
b23(E)	1	#5	6'-11"	———
b24(E)	1	#5	25'-10"	———
b25(E)	19	#5	15'-2"	———
b26(E)	19	#4	14'-0"	———
b27(E)	30	#5	19'-6"	———
b28(E)	30	#4	18'-11"	———
b29(E)	15	#5	14'-7"	———
b30(E)	17	#4	14'-7"	———
b31(E)	4	#4	23'-11"	———
b32(E)	3	#5	16'-5"	⌐
c(E)	38	#5	2'-4"	⌐
c1(E)	31	#5	4'-8"	———
d2(E)	189	#5	6'-5"	⌐
d3(E)	189	#5	8'-3"	⌐
d4(E)	125	#5	3'-5"	⌐
d9(E)	8	#6	8'-11"	⌐
d10(E)	6	#6	2'-4"	⌐
e1(E)	6	#4	21'-5"	———
e7(E)	12	#4	14'-7"	———
e8(E)	6	#4	22'-1"	———
e18(E)	8	#4	29'-0"	———
e19(E)	6	#4	20'-11"	———
e20(E)	6	#4	22'-0"	———
e21(E)	6	#4	22'-3"	———
e22(E)	16	#4	28'-1"	———
Reinforcement Bars Epoxy Coated		Pound	16190	
Concrete Structures		Cu. Yd.	54.3	
Concrete Superstructure		Cu. Yd.	15.2	



PLAN – NORTH FACE EAST WALL PARAPET AND ANCHORAGE SLAB

F.C. = Field Cut

Note:

1. See Sections thru Parapet and Anchorage Slab

FINAL PLANS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ANCHORAGE SLAB – EAST WALL (NORTH)
RETAINING WALLS – NORTH GRAND AVENUE OVERPASS
SHEET NO. 11 OF 23 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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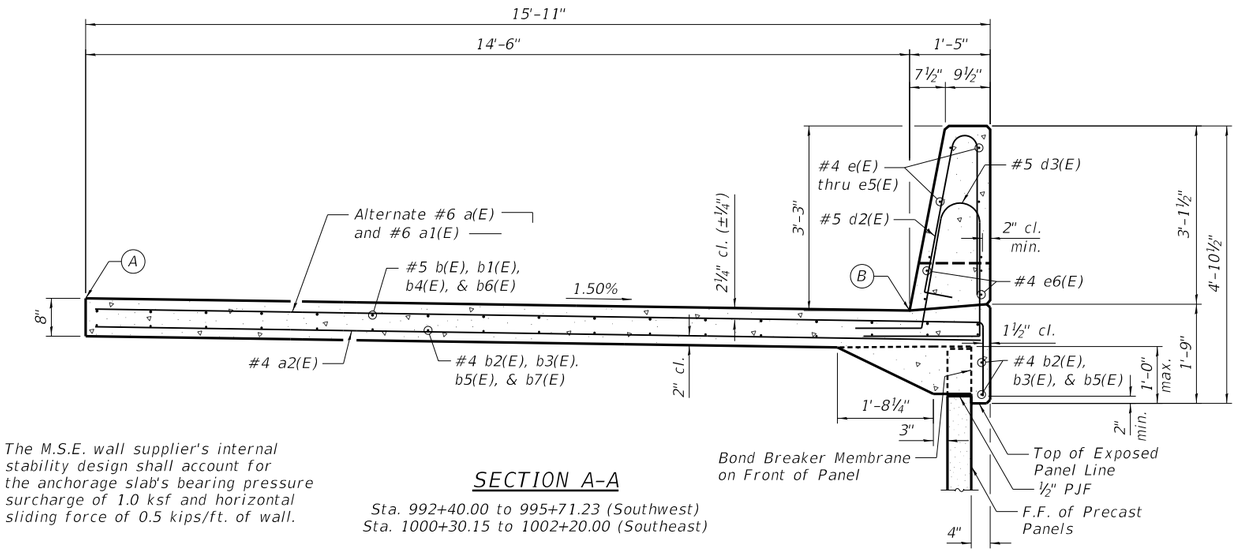
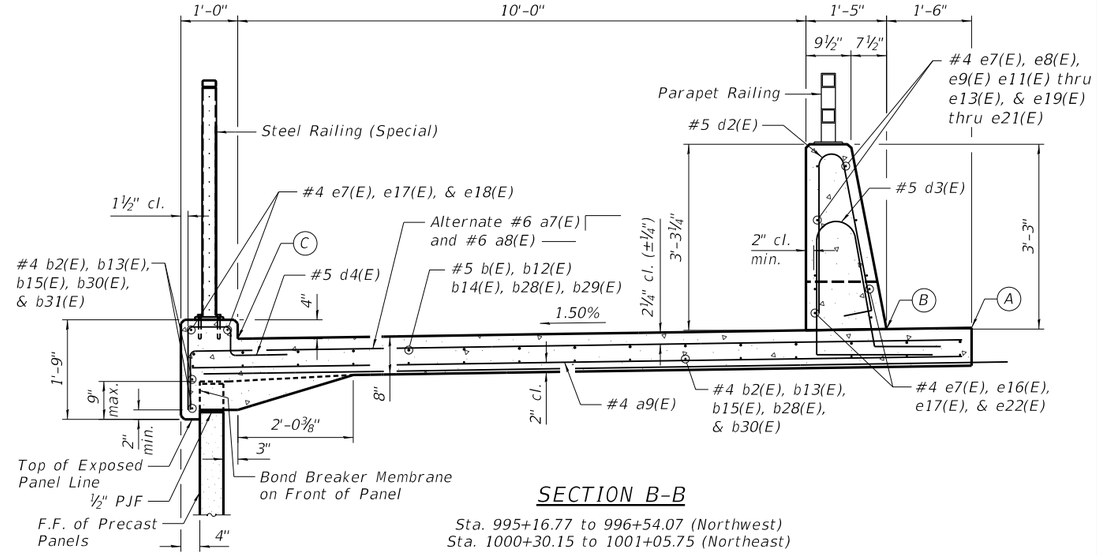
		CONTRACT NO. 93773		
		ILLINOIS FED. AID PROJECT		



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

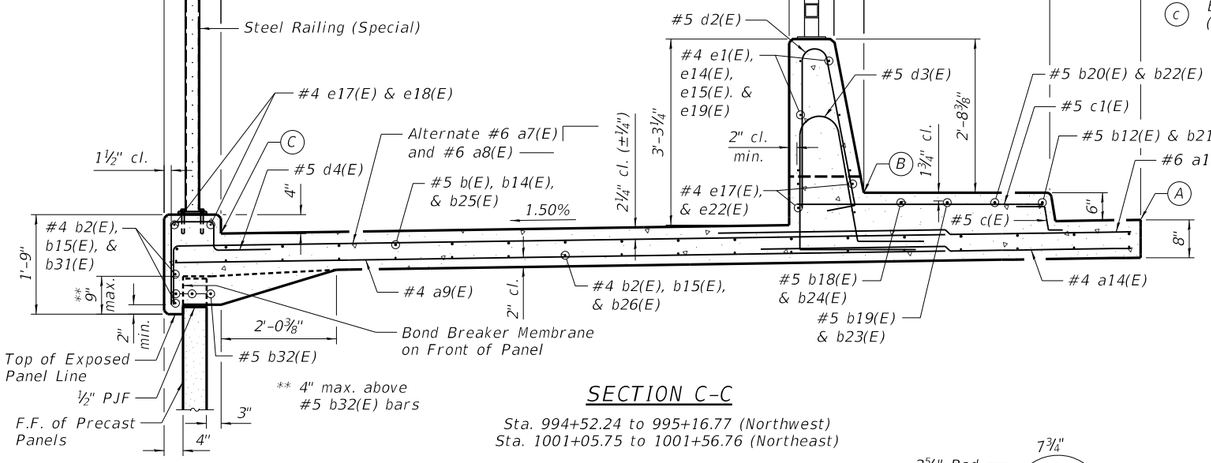
SECTION A-A

Sta. 992+40.00 to 995+71.23 (Southwest)
Sta. 1000+30.15 to 1002+20.00 (Southeast)



SECTION B-B

Sta. 995+16.77 to 996+54.07 (Northwest)
Sta. 1000+30.15 to 1001+05.75 (Northeast)



** 4" max. above #5 b32(E) bars

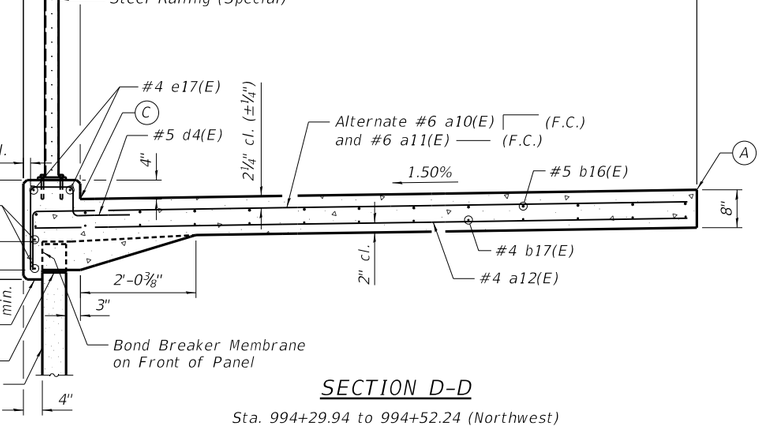
SECTION C-C

Sta. 994+52.24 to 995+16.77 (Northwest)
Sta. 1001+05.75 to 1001+56.76 (Northeast)

Ⓐ Edge of Pavement Elevation (See Sheet 14 of 23 for Elevations)

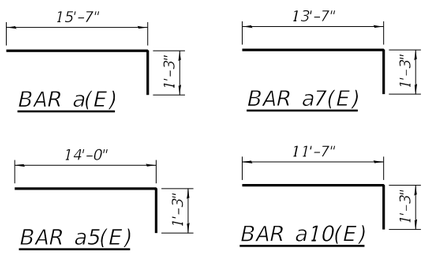
Ⓑ Base of Parapet Elevation (See Sheet 14 of 23 for Elevations)

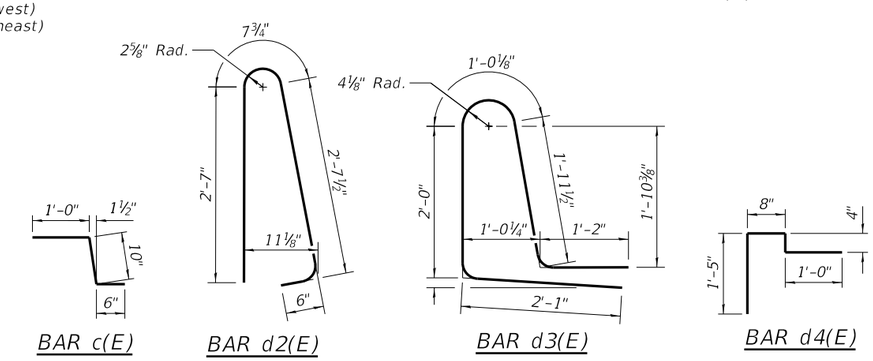
Ⓒ Base of Curb Elevation (See Sheet 14 of 23 for Elevations)



SECTION D-D

Sta. 994+29.94 to 994+52.24 (Northwest)





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PLOT DATE = 10/1/2024	CHECKED - RGC	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PARAPET AND ANCHORAGE SLAB DETAILS
RETAINING WALLS - NORTH GRAND AVENUE OVERPASS

SHEET NO. 12 OF 23 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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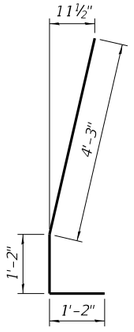
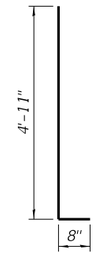
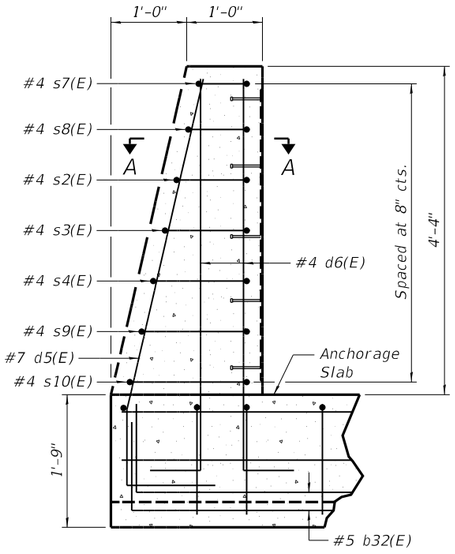
		CONTRACT NO. 93773		
		ILLINOIS FED. AID PROJECT		



BAR d5(E)

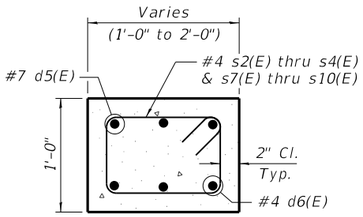


BAR d6(E)

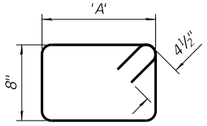


CONCRETE END POST

East End of Northeast Wall
See Sheet 16 of 23 for Railing Connection Details

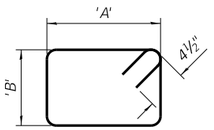


SECTION A-A



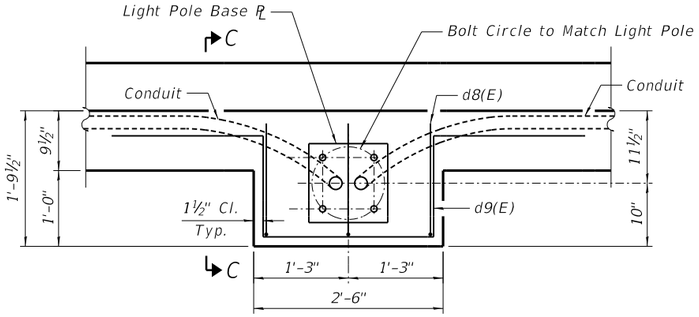
BAR	'A'
s7(E)	7"
s8(E)	9"
s9(E)	1'-5"
s10(E)	1'-7"

BARS s7(E) THRU s10(E)

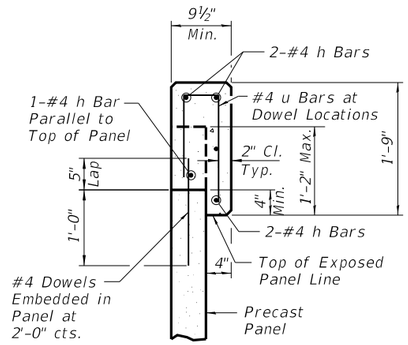


BAR	'A'	'B'
s11(E)	8"	3"
s12(E)	9"	4"
s13(E)	11"	5"

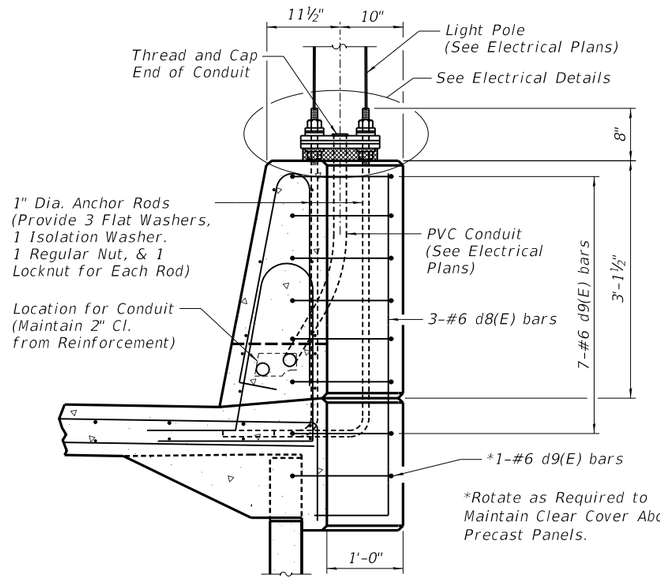
BARS s11(E) THRU s13(E)



LIGHT BLISTER DETAIL



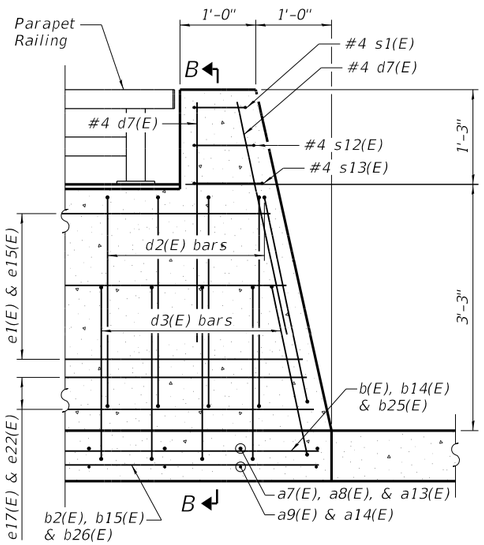
SECTION THRU C.I.P. COPING UNDER BRIDGE



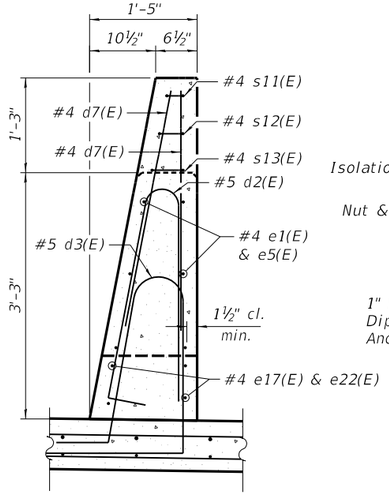
SECTION C-C

Note:

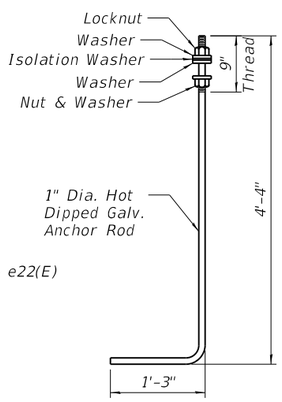
1. See Sheet 12 of 23 for Parapet Reinforcement.
2. Cost of Anchor Rod is Included with Concrete Superstructures.



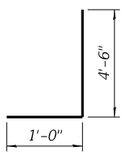
PARAPET RAILING END POST



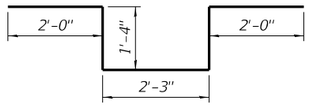
SECTION B-B



ANCHOR ROD



BAR d8(E)



BAR d9(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d5(E)	4	#7	6'-7"	
d6(E)	8	#4	5'-7"	
d7(E)	8	#4	3'-2"	
d8(E)	9	#6	5'-6"	
d9(E)	24	#6	8'-11"	
s2(E)	1	#4	3'-11"	
s3(E)	1	#4	4'-3"	
s4(E)	1	#4	4'-7"	
s7(E)	1	#4	3'-3"	
s8(E)	1	#4	3'-7"	
s9(E)	1	#4	4'-11"	
s10(E)	1	#4	5'-3"	
s11(E)	2	#4	2'-7"	
s12(E)	2	#4	2'-11"	
s13(E)	2	#4	3'-5"	
Reinforcement Bars Epoxy Coated			Pound	530

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FINAL PLANS

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USER NAME = pop00275	DESIGNED - KMS	REVISED -	
	CHECKED - RGC	REVISED -	
PLOT SCALE = 0.167 ' / in.	DRAWN - EJM	REVISED -	
PLOT DATE = 10/1/2024	CHECKED - RGC	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PARAPET AND ANCHORAGE SLAB DETAILS
RETAINING WALLS – NORTH GRAND AVENUE OVERPASS
SHEET NO. 13 OF 23 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7972	20-00492-00-BR & 22-00492-01-BR	SANGAMON	714	512
		CONTRACT NO. 93773		
	ILLINOIS FED. AID PROJECT			

SOUTH FACE WEST WALL ANCHORAGE SLAB ELEVATIONS

	North Grand Ave. Station	Edge of Pavement Offset	Edge of Pavement Elevation	Base of Parapet Elevation
End	992+40.000	11.000 Rt.	620.68	620.46
Joint	992+51.166	11.000 Rt.	621.22	621.00
Joint	992+62.332	11.000 Rt.	621.75	621.53
Joint	992+73.497	11.000 Rt.	622.29	622.07
Joint	992+84.663	11.000 Rt.	622.82	622.61
Joint	992+95.829	11.000 Rt.	623.36	623.14
Joint	993+06.995	11.000 Rt.	623.90	623.68
Joint	993+18.160	11.000 Rt.	624.43	624.21
Joint	993+29.326	11.000 Rt.	624.97	624.75
Joint	993+40.212	11.000 Rt.	625.49	625.27
Joint	993+51.467	11.000 Rt.	626.03	625.81
Joint	993+62.722	11.000 Rt.	626.57	626.35
Joint	993+73.977	11.000 Rt.	627.11	626.89
Joint	993+85.232	11.000 Rt.	627.65	627.43
Joint	993+96.486	11.000 Rt.	628.19	627.97
Joint	994+07.741	11.000 Rt.	628.73	628.51
Joint	994+18.996	11.000 Rt.	629.27	629.05
Joint	994+30.251	11.000 Rt.	629.81	629.59
Joint	994+41.506	11.000 Rt.	630.35	630.13
Joint	994+52.242	11.000 Rt.	630.87	630.65
Joint	994+62.978	11.000 Rt.	631.38	631.16
Joint	994+73.714	11.000 Rt.	631.90	631.68
Joint	994+84.450	11.000 Rt.	632.41	632.20
Joint	994+95.185	11.000 Rt.	632.93	632.71
Joint	995+05.921	11.000 Rt.	633.44	633.23
Joint	995+16.657	11.000 Rt.	633.96	633.74
Br. Appr.	995+27.458	11.000 Rt.	634.48	634.26
Joint, End Parapet	995+42.955	11.000 Rt.	635.22	635.00
Joint	995+54.757	11.000 Rt.	635.79	
Joint Bend	995+54.691	17.346 Rt.	635.78	
Joint Bend	995+55.679	19.150 Rt.	635.83	
Joint	995+66.559	11.000 Rt.	636.35	
Joint	995+67.598	12.830 Rt.	636.40	
Br. Appr.	995+70.924	11.000 Rt.	636.56	

NORTH FACE WEST WALL ANCHORAGE SLAB ELEVATIONS

	North Grand Ave. Station	Edge of Pavement Offset	Edge of Pavement Elevation	Base of Parapet Elevation	Base of Curb Elevation
End Slab	994+30.270	43.593 Lt.			629.32
	994+29.604	32.614 Lt.	629.46		
Joint	994+40.588	31.742 Lt.	630.00		
	994+41.802	41.920 Lt.			629.91
End	994+52.242	24.000 Lt.	630.67		
	994+52.242	29.134 Lt.		631.09	
	994+53.390	40.486 Lt.			630.48
Joint	994+62.978	24.000 Lt.	631.19		
	994+63.320	27.990 Lt.		631.64	
	994+64.273	39.362 Lt.			631.02
Joint	994+73.714	24.000 Lt.	631.70		
	994+73.927	27.098 Lt.		632.17	
	994+74.692	38.486 Lt.			631.53
Joint	994+84.450	24.000 Lt.	632.22		
	994+84.574	26.401 Lt.		632.69	
	994+85.149	37.802 Lt.			632.04
Joint	994+95.185	24.000 Lt.	632.73		
	994+95.251	25.902 Lt.		633.21	
	994+95.636	37.312 Lt.			632.56
Joint	995+05.921	24.000 Lt.	633.25		
	995+05.947	25.500 Lt.		633.73	
	995+06.143	37.017 Lt.			633.06
Joint	995+16.657	24.000 Lt.	633.76	633.74	633.57
Special Joint	995+27.458	24.000 Lt.	634.28	634.26	634.09
Joint	995+43.293	24.000 Lt.	635.04	635.02	634.85
Joint	995+55.095	24.000 Lt.	635.61	635.59	635.42
Joint	995+66.896	24.000 Lt.	636.18	636.15	635.98
Joint	995+76.584	24.000 Lt.	636.64	636.62	636.45
Joint	995+86.277	24.000 Lt.	637.11	637.08	636.91
Joint	995+96.669	24.000 Lt.	637.60	637.58	637.41
Joint	996+07.062	24.000 Lt.	638.10	638.08	637.91
Joint	996+19.454	24.000 Lt.	638.68	638.65	638.48
Br. Appr.	996+31.985	24.000 Lt.	639.22		639.02
End Parapet	996+35.583	25.500 Lt.		639.34	639.17
End	996+54.357	36.917 Lt.			639.89

NORTH FACE EAST WALL ANCHORAGE SLAB ELEVATIONS

	North Grand Ave. Station	Edge of Pavement Offset	Edge of Pavement Elevation	Base of Parapet Elevation	Base of Curb Elevation
End Parapet	1001+56.756	24.000 Lt.	630.79		
	1001+56.756	29.136 Lt.		630.71	
End Slab	1001+55.098	40.440 Lt.			630.96
Joint	1001+45.679	24.000 Lt.	631.32		
	1001+45.257	27.734 Lt.		631.29	
	1001+43.954	39.081 Lt.			631.51
Joint	1001+34.601	24.000 Lt.	631.86		
	1001+34.373	26.718 Lt.		631.83	
	1001+33.407	38.096 Lt.			632.03
Joint	1001+23.523	24.000 Lt.	632.39		
	1001+23.414	25.998 Lt.		632.36	
	1001+22.785	37.399 Lt.			632.55
Joint	1001+12.445	24.000 Lt.	632.92		
	1001+12.406	25.582 Lt.		632.90	
	1001+12.127	36.995 Lt.			633.07
Joint	1001+01.228	24.000 Lt.	633.46	633.43	633.60
Joint	1000+90.010	24.000 Lt.	634.00	633.97	634.14
Joint	1000+78.793	24.000 Lt.	634.53	634.51	634.67
Joint	1000+67.575	24.000 Lt.	635.07	635.05	635.21
Joint	1000+56.358	24.000 Lt.	635.61	635.59	635.75
Special Joint	1000+45.078	24.000 Lt.	636.15	636.13	636.29
Br. Appr.	1000+30.151	24.000 Lt.	636.87	636.85	637.01

SOUTH FACE EAST WALL ANCHORAGE SLAB ELEVATIONS

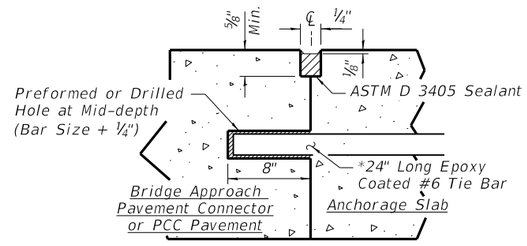
	North Grand Ave. Station	Edge of Pavement Offset	Edge of Pavement Elevation	Base of Parapet Elevation
Br. Appr.	1000+29.963	11.000 Rt.	637.07	636.86
End Parapet	1000+30.151	11.000 Rt.	637.06	636.85
Joint	1000+45.078	11.000 Rt.	636.35	636.13
Joint	1000+56.358	11.000 Rt.	635.81	635.59
Joint	1000+67.575	11.000 Rt.	635.27	635.05
Joint	1000+78.793	11.000 Rt.	634.73	634.51
Joint	1000+90.010	11.000 Rt.	634.19	633.97
Joint	1001+01.228	11.000 Rt.	633.65	633.43
Joint	1001+12.445	11.000 Rt.	633.11	632.90
Joint	1001+23.523	11.000 Rt.	632.58	632.36
Joint	1001+34.601	11.000 Rt.	632.05	631.83
Joint	1001+45.679	11.000 Rt.	631.52	631.30
Joint	1001+56.756	11.000 Rt.	630.99	630.77
Joint	1001+67.297	11.000 Rt.	630.48	630.26
Joint	1001+77.838	11.000 Rt.	629.97	629.76
Joint	1001+88.378	11.000 Rt.	629.47	629.25
Joint	1001+98.919	11.000 Rt.	628.96	628.75
Joint	1002+09.459	11.000 Rt.	628.46	628.24
End Parapet	1002+20.000	11.000 Rt.	627.95	627.73

PARAPET JOINT DETAILS

Notes:
The Polyurethane Sealant shall be according to Article 1050.04 of the Std. Spec. and the color shall be gray.

TRANSVERSE CONTROL JOINT

See Art. 420.05(c)(1) of Standard Specifications

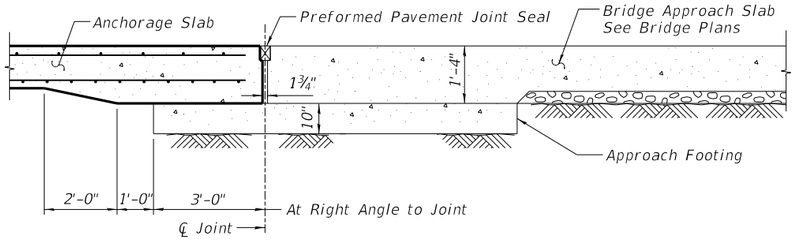


Note:
The Contractor may substitute, at his option, formed-in-place tie bars provided the bar length is increased to 2'-6" and the tie bar is centered across the joint.

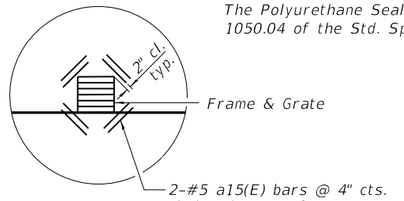
*Tie bars are included with the bridge approach pavement connector or PCC pavement, see Roadway Plans.

LONGITUDINAL CONSTRUCTION JOINT GROUTED-IN-PLACE TIE BAR

See Art. 420.05(b) of Standard Specifications



SECTION AT APPROACH SLAB



DETAIL OF REINFORCEMENT AT DRAINAGE STRUCTURES

Notes:
1. Stations and offsets are to the inside edge of anchorage slab.
2. Elevations are at the top of anchorage slab along joints or transition points as indicated.
3. Transverse control joints are at right angles to the parapet.

FINAL PLANS

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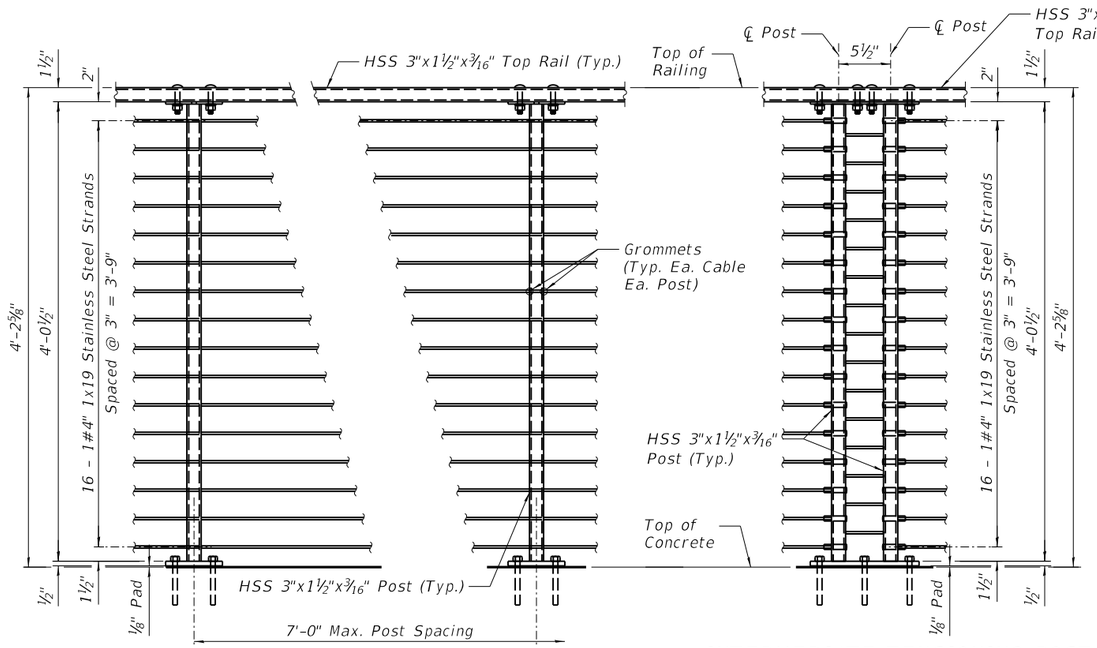
	CHECKED - RGC	REVISED -
PLOT SCALE = 0.167 ' / in.	DRAWN - EJM	REVISED -
PLOT DATE = 9/27/2024	CHECKED - RGC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PARAPET AND ANCHORAGE SLAB DETAILS
RETAINING WALLS – NORTH GRAND AVENUE OVERPASS

SHEET NO. 14 OF 23 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7972	20-00492-00-BR & 22-00492-01-BR	SANGAMON	714	513
		CONTRACT NO. 93773		
		ILLINOIS FED. AID PROJECT		



TYPICAL RAILING PANEL

INTERMEDIATE TENSIONING POSTS

Notes:

Railing posts shall be vertical.

Anchor rods shall be ASTM F1554, Gr. 55, galvanized steel all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. The corresponding specified grade of AASHTO M314 anchor rods may be used in lieu of ASTM F1554. The anchor rods shall be hot-dipped galvanized according to AASHTO M232, Class C.

Tube segments shall have all corners ground to remove burrs or sharp projections.

All bolts, eyebolts, nuts and washers must satisfy the requirements of ASTM A307 Gr. A unless noted otherwise.

The anchor rods shall be installed according to Article 509.06 of the Standard Specifications. Embedment shall be 4" min. or according to the manufactures specifications whatever is greater.

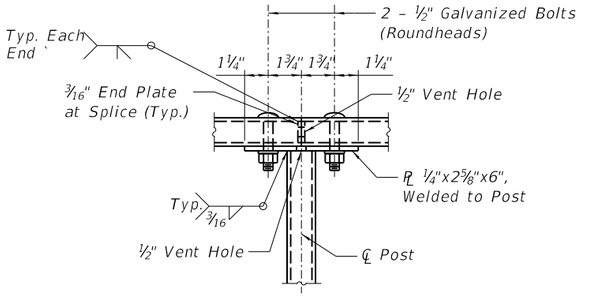
Structural steel plates and bars of the Steel Railing shall conform to the requirements of ASTM A36/36M.

Tubular steel posts shall be according to the requirements of ASTM A500, Grade B.

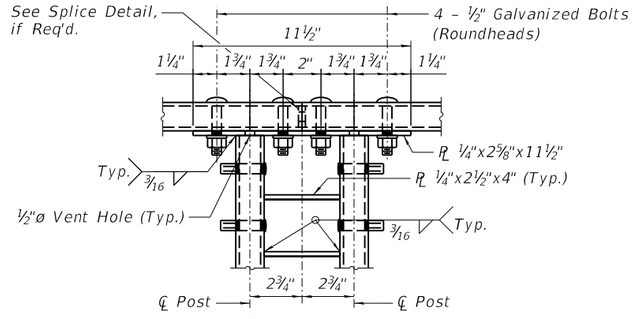
All steel rail members, with the exception of the stainless steel strand and fittings, shall be hot dipped galvanized according to Article 509.05 of the Standard Specifications.

All studs shall be ½"ø x4 " granular or solid flux filled headed studs automatically end welded to plates.

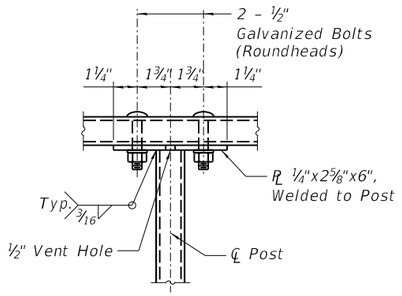
See Sheets 4, 9, & 11 of 23 for rail post spacing.



TOP RAIL - WITH SPLICE



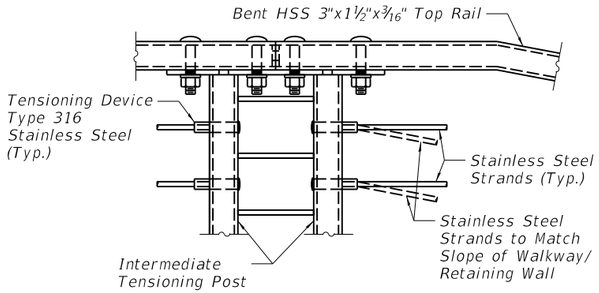
TOP PLATE
INTERMEDIATE TENSIONING POSTS



TOP RAIL - NO SPLICE

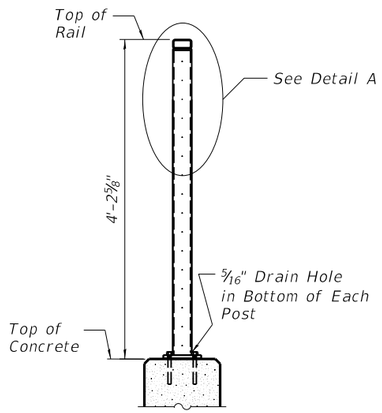
TYPICAL RAIL/POST CONNECTION

(Strands not shown for clarity.)

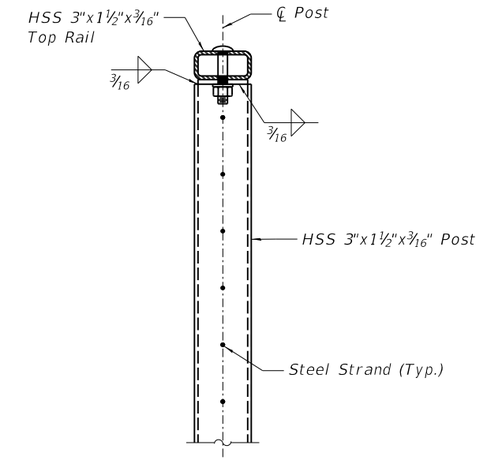


INTERMEDIATE TENSIONING POSTS

(At Grade Change Only)



POST DETAIL



DETAIL A

FINAL PLANS

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USER NAME = pop00275	DESIGNED - KMS	REVISED -	
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PLOT DATE = 9/27/2024	CHECKED - RGC	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAILING DETAILS
RETAINING WALLS - NORTH GRAND AVENUE OVERPASS

SHEET NO. 15 OF 23 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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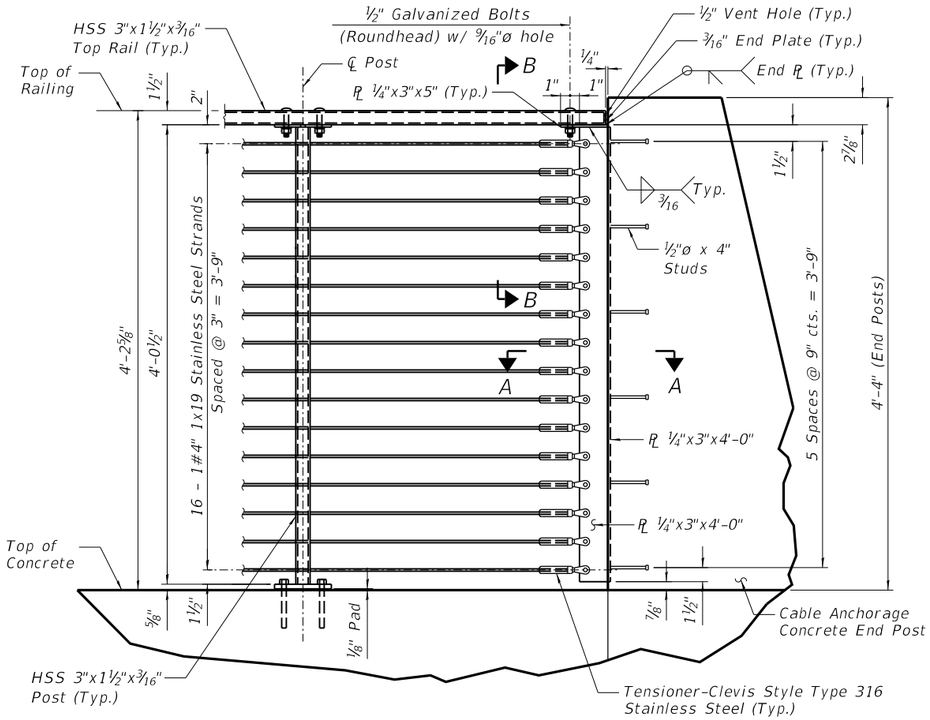
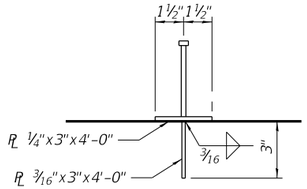
		CONTRACT NO. 93773		
		ILLINOIS FED. AID PROJECT		

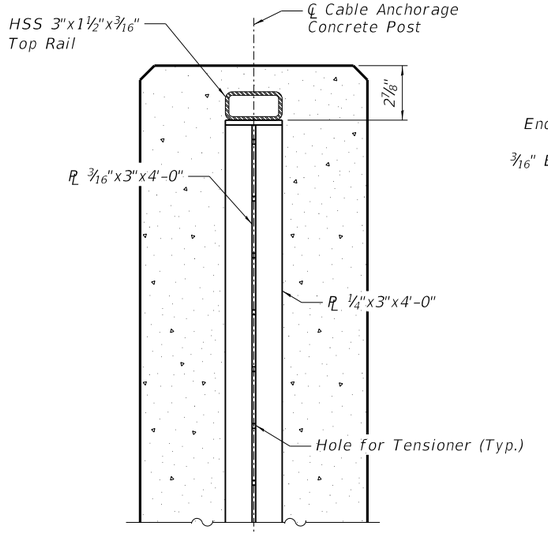


CABLE RAILING TERMINATION

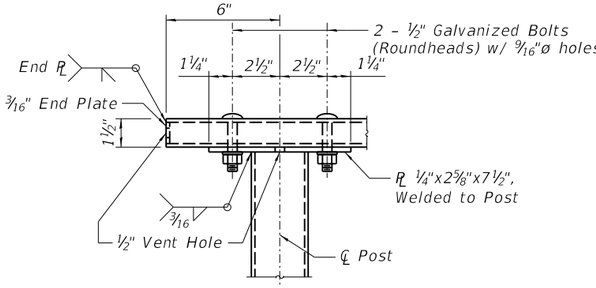
(Typical Termination at Exterior Bridge Post & End Posts)



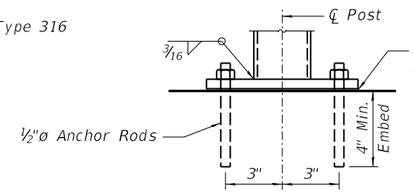
SECTION A-A



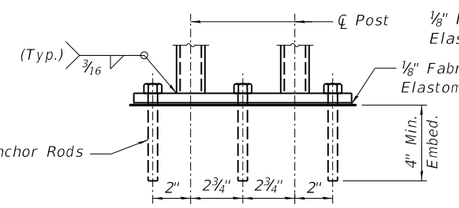
SECTION B-B



TOP RAIL - AT END POST

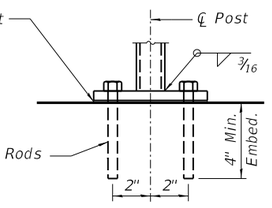


END POST ANCHOR ROD DETAIL

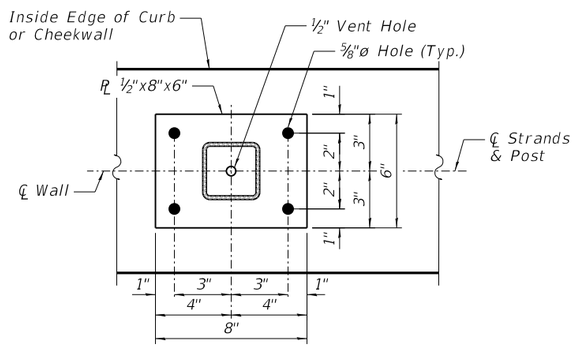


INTERMEDIATE TENSIONING POSTS

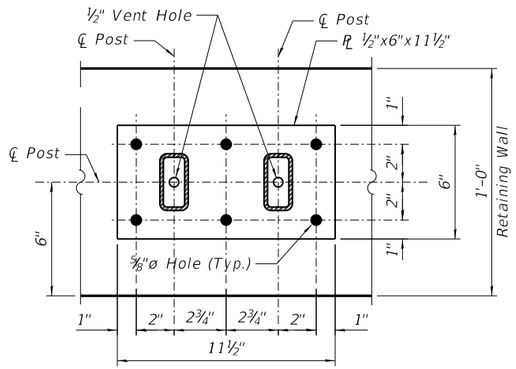
TYPICAL ANCHOR ROD DETAILS



STANDARD POSTS

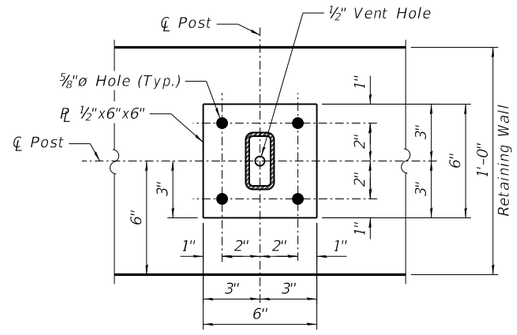


STANDARD END POST



INTERMEDIATE TENSIONING POSTS

BASE PLATE DETAILS



STANDARD POSTS

FINAL PLANS

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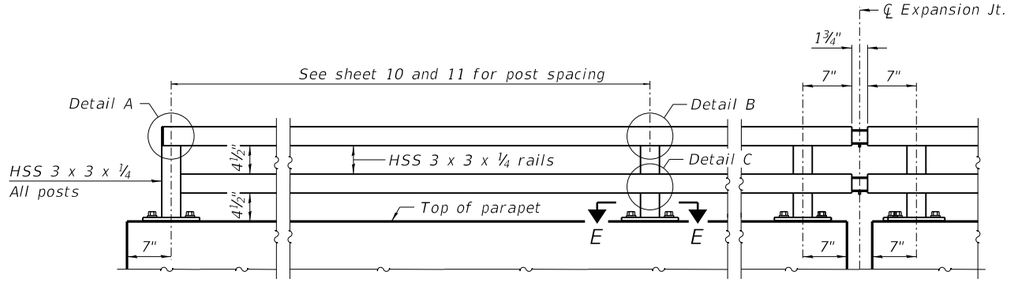
PLOT DATE = 9/27/2024	CHECKED - RGC	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

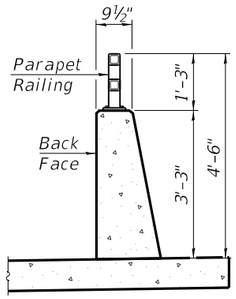
RAILING DETAILS
RETAINING WALLS - NORTH GRAND AVENUE OVERPASS
SHEET NO. 16 OF 23 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7972	20-00492-00-BR & 22-00492-01-BR	SANGAMON	714	515
		CONTRACT NO. 93773		
		ILLINOIS FED. AID PROJECT		

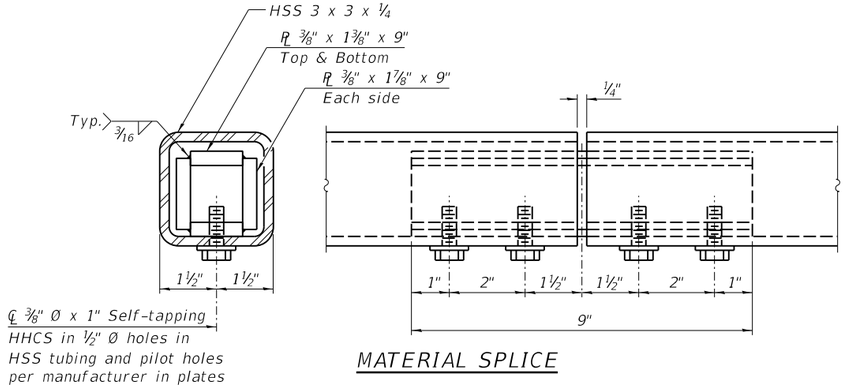


ELEVATION PARAPET RAILING

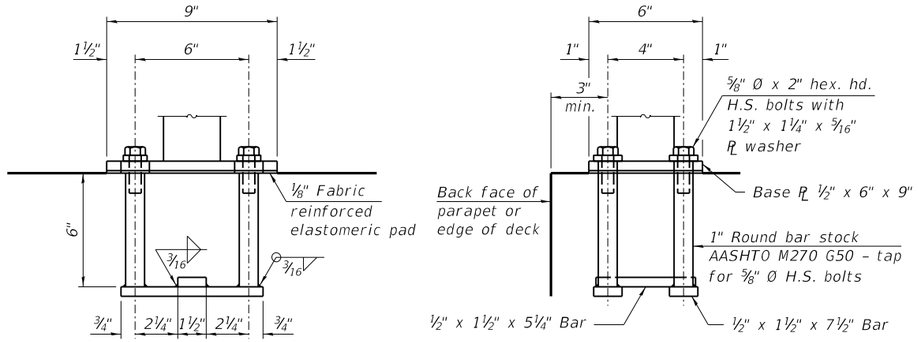
(Inside face)



SECTION THRU DECK



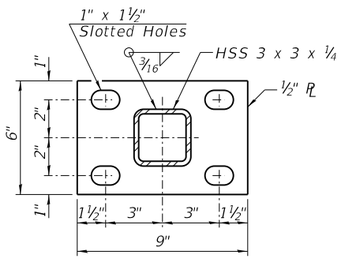
MATERIAL SPLICE



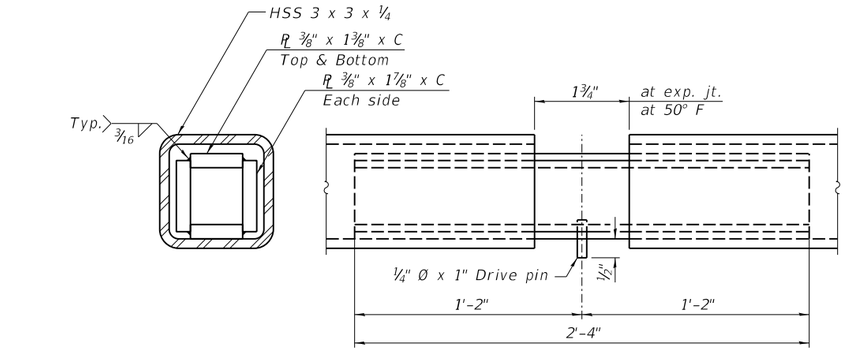
ANCHORAGE ASSEMBLY

The Bicycle Railing, Curved fasteners for end posts near expansion joints may need to be installed prior to installing the bent plates.

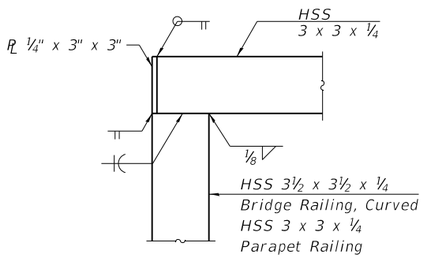
In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting ⅝" Ø fully threaded anchor rods with the same plate washers as specified above and heavy hex lock nuts according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.



SECTION E-E

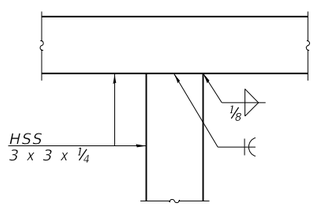


EXPANSION SPLICE

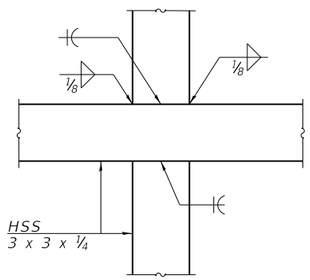


DETAIL A

(Parapet railing shown, bicycle railing similar)



DETAIL B



DETAIL C

Notes:

Place reinforcement bars to miss anchor rod locations.

All HSS tubing used for the Parapet Railing shall be CVN tested according to Article 1006.34(b) of the Standard Specifications.

All HSS tubing used for the Parapet Railing shall be ASTM A500 grade C.

All base plates used for the Parapet Railing shall be AASHTO M270 grade 50.

All heavy hex nuts shall be according to ASTM A 563 grade DH.

All fully threaded anchor rods shall be ASTM F1554 grade 105.

The post base plate shall be fastened to the curb snug tight and given an additional ⅛" turn.

Rail splice inserts may be built out of bent plates of the same thicknesses and outside geometry limits as the 4 plate rail splice inserts shown.

When the contract specifies a galvanized railing, all steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications. When the contract specifies a painted railing, all posts, rail, splices, anchor devices and plates of the railing shall be painted according to the paint system for railings as specified in the General Notes.

See sheet 10 and 11 of 23 for dimensions of concrete openings at expansion joints.

BILL OF MATERIAL

Item	Unit	Quantity
Parapet Railing	Foot	311

FINAL PLANS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAILING DETAILS
RETAINING WALLS - NORTH GRAND AVENUE OVERPASS
SHEET NO. 17 OF 23 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7972	20-00492-00-BR & 22-00492-01-BR	SANGAMON	714	516
		CONTRACT NO. 93773		
	ILLINOIS FED. AID PROJECT			

GROUND IMPROVEMENT PERFORMANCE REQUIREMENTS

Ground improvement performance requirements shall apply to the North Grand Ave. pavement, including shoulders, between Sta. 992+40 and Sta. 1002+20, excluding the area between the bridge abutments.

Within the limits shown on the plan view, allowable bearing pressure (F.S.=2.5) shall be equal to or greater than the equivalent uniform service bearing pressure shown. Design bearing pressure shall be interpolated between the values shown.

Aggregate column installation shall be mandatory within the allowable bearing pressure limits shown on the plan view. Columns may be installed beyond the mandatory limits as required to satisfy the other ground improvement performance requirements and the project schedule.

Verification program shall include the settlement platforms and monitoring points shown in the plan view. Cost of these shall be included with AGGREGATE COLUMN GROUND IMPROVEMENT.

Minimum factor of safety for global slope stability shall be 1.5.

Settlement measured at the theoretical top of leveling pad shall not exceed 4.0 inches.

Settlement measured on the roadway after pavement construction shall not exceed 1.0 inch.

Differential settlement along the length of the M.S.E. wall shall not exceed 1.0 percent.

Differential settlement at right angles to the roadway centerline shall not exceed 0.5 percent after placement of the pavement.

Contractor's verification program shall include monitoring points or other instrumentation to demonstrate compliance with the performance requirements shown on these plans and bridge construction sequencing requirements.

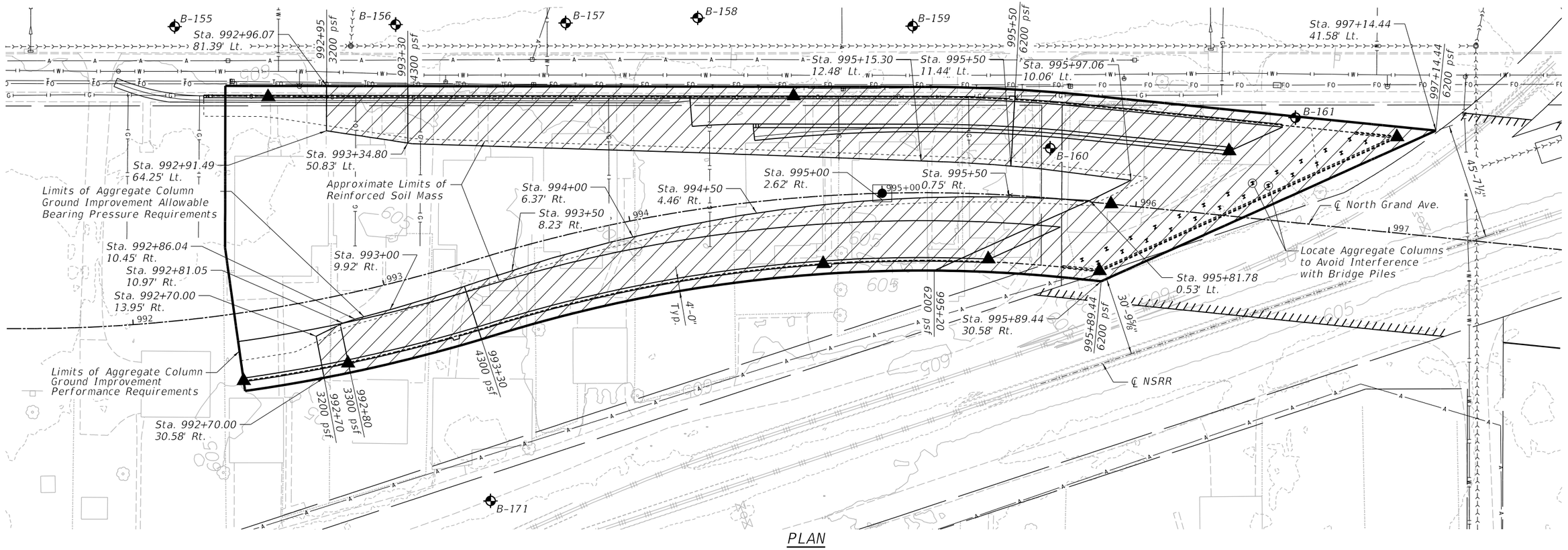
The assumed structure life for settlement computations shall be 75 years.

The Shop Drawings and construction procedures submittal shall indicate the sequence of construction within the limits of Aggregate Column Ground Improvement. The aggregate column installation shall be coordinated with utility removals, proposed utility installation, and bridge pile driving.

The Shop Drawings and construction procedures submittal is subject to review and approval In accordance with NS Special Provision for Protection of Railway Interests. Submittal shall identify aggregate columns that will be located within the track live load influence zone. Provide design and construction procedures for temporary casing, shoring, etc.

LEGEND

- Boring
- Settlement Platform
- 5900 psf — Equivalent Uniform Service Bearing Pressure
- Settlement Monitoring Point



PLAN

FINAL PLANS

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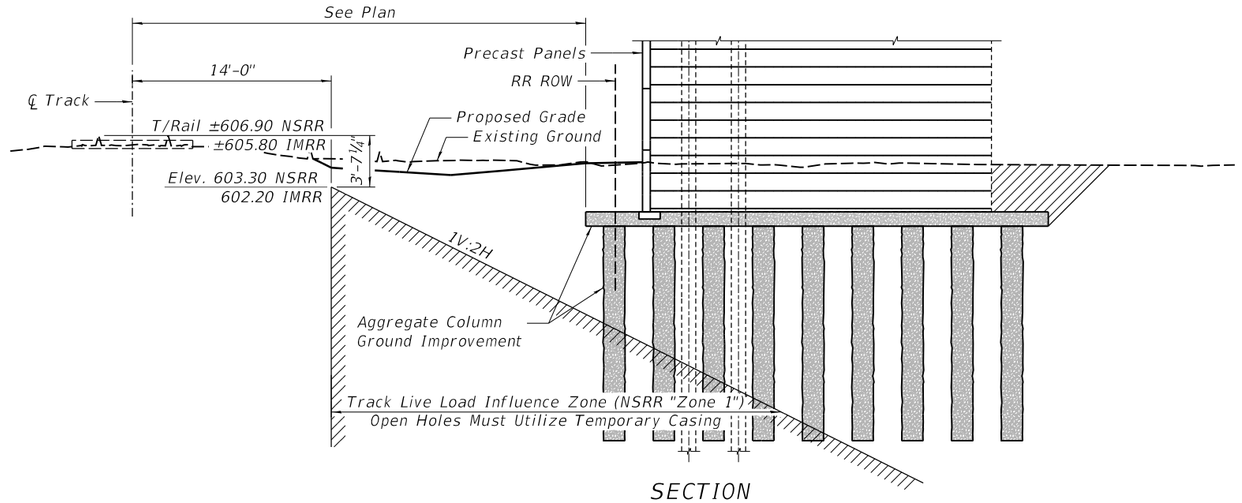
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

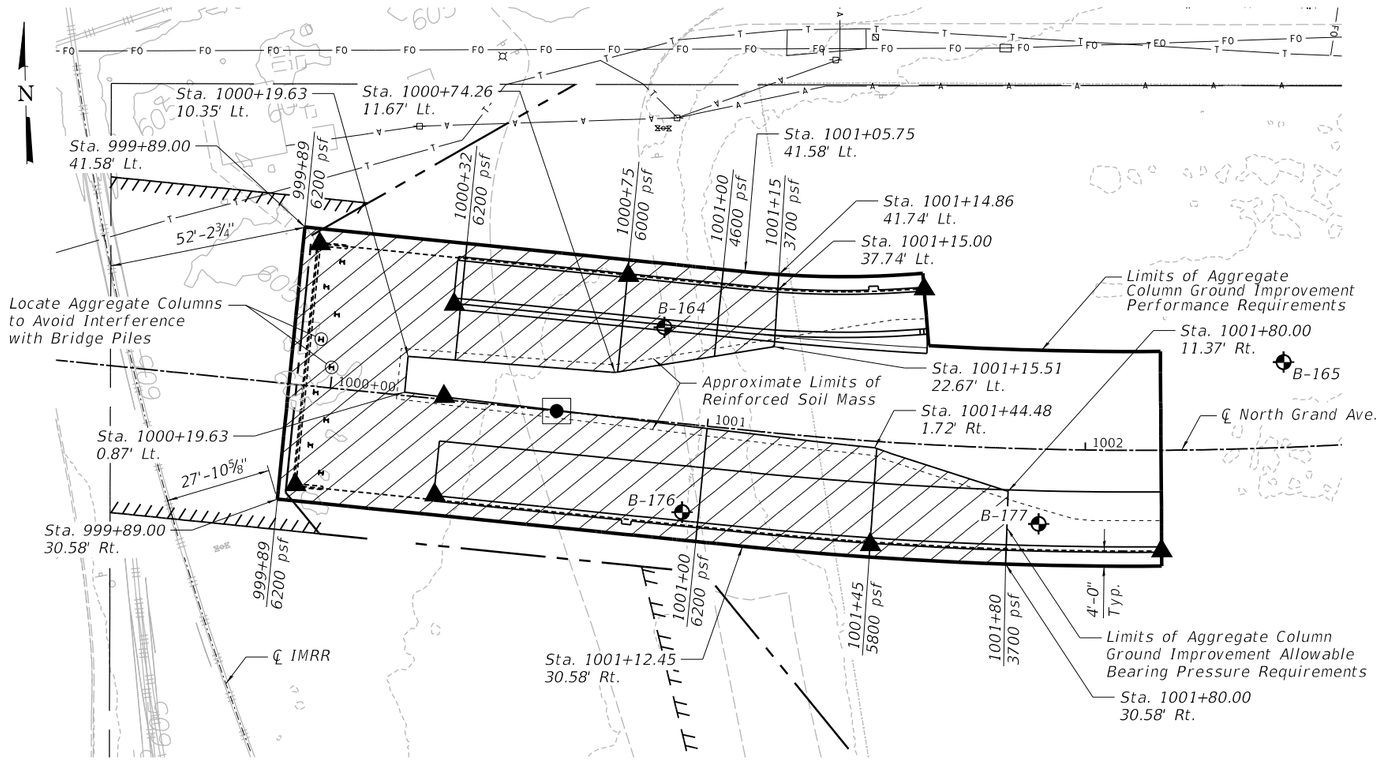
GROUND IMPROVEMENTS
RETAINING WALLS – NORTH GRAND AVENUE OVERPASS
SHEET NO. 18 OF 23 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7972	20-00492-00-BR & 22-00492-01-BR	SANGAMON	714	517
		CONTRACT NO. 93773		
		ILLINOIS FED. AID PROJECT		



SECTION

@ Rt. Angles to RR



LEGEND

- Boring
- 5900 psf — Equivalent Uniform Service Bearing Pressure
- Settlement Platform
- Settlement Monitoring Point

PLAN

FINAL PLANS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GROUND IMPROVEMENTS
RETAINING WALLS – NORTH GRAND AVENUE OVERPASS
SHEET NO. 19 OF 23 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7972	20-00492-00-BR & 22-00492-01-BR	SANGAMON	714	518
		CONTRACT NO. 93773		
	ILLINOIS	FED. AID PROJECT		

B-170
Sta. 991+94, 127' RT

	N	Qu	w%	
605.6				
605.22				TOPSOIL.
	4		27	Black very fine sandy SILT and CINDERS - FILL.
603.05				
	7	2.27B	25	Brown and gray very fine sandy silty CLAY.
599.55				
	5	1.50P	28	Brown and gray very fine sandy SILT.
	6	1.44B	26	
595.55				Bottom of Hole = 10.0 feet

B-171
Sta. 993+21, 97' RT

	N	Qu	w%	
605.8				
605.61				AGGREGATE.
	4		44	CINDERS and BRICK - FILL.
602.27				
	5	1.85B	31	Brown and gray very fine sandy silty CLAY, some oxidized spots.
599.77				
	5	2.06B	23	Brown very fine sandy SILT, trace clay and oxidized spots.
	5	0.91B	27	
594.77				
	5	1.24B	24	Brown and gray very fine sandy clayey SILT.
592.27				
	3	0.62B	26	Brown and gray very fine sandy silty CLAY, trace small gravel.
590.77				Bottom of Hole = 15.0 feet

B-161
Sta. 996+53, 41' LT

	N	Qu	w%	
603.3				
603.00				TOPSOIL.
	8	3.49B	23	Brown and gray very fine sandy clayey SILT, trace calcareous concretions, some oxidized spots.
		2.10B	24	
		1.90B	21	
597.33			23	
	8	3.00P	24	Brown and gray very fine sandy SILT, some oxidized spots.
594.83				
	5	1.94B	25	Brown and gray very fine sandy clayey SILT, trace oxidized spots.
592.33				
		1.04B	25	Brown very fine sandy silty CLAY.
	5	1.16S	25	
587.33				
	5	1.36S	25	Brown and gray very fine sandy silty CLAY, trace oxidized spots.
584.83				
	47	4.50P	13	Brown fine sandy SHALE - highly weathered.
579.83				
	50/5"		10	Gray fine sandy SHALE.
573.33	50/3"		8	Bottom of Hole = 30.0 feet

B-160
Sta. 995+59, 20' LT

	N	Qu	w%	
603.8				
603.29				OIL & CHIP.
	10	3.50S	24	Black very fine sandy silty CLAY.
600.29				
	8	3.09B	23	Brown and gray very fine sandy silty CLAY.
597.79				
	6	1.94B	26	Brown and gray very fine sandy SILT.
	6	2.91S	24	
592.79				
	4	1.09B	24	Gray to brownish-gray very fine sandy clayey SILT.
	4	1.51B	23	
587.79				
	4	1.16B	30	Brown and gray very fine sandy silty CLAY.
585.29				
	32	4.50P	15	Brownish-gray fine sandy SHALE.
580.29				
	50/5"		10	Gray fine sandy SHALE.
	50/4"		9	
573.79				
	Rec. = 75%			Gray sandy SHALE, micaceous.
	Rec. = 90%			
	Rec. = 93%			
565.29				
	Rec. = 100%			Gray clayey SHALE.
	Rec. = 94%			
	Rec. = 100%			
554.29				COAL.
553.79				Bottom of Hole = 50.0 feet

LEGEND

N	Standard Penetration Test N (blows/ft)
Qu	Unconfined Strength (tsf)
w%	Natural Moisture Content (%)
DD ▽ 558.10	Water Surface Elevation Encountered in Boring DD = during drilling Oh = at completion 24h = 24 hours after completion

FINAL PLANS

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DEPARTMENT OF TRANSPORTATION

SUBSURFACE DATA PROFILE
RETAINING WALLS – NORTH GRAND AVENUE OVERPASS
SHEET NO. 20 OF 23 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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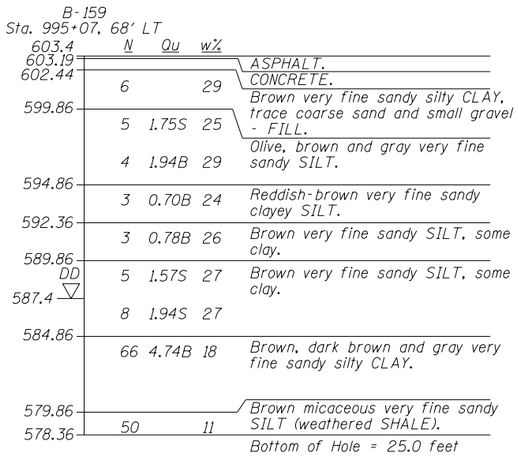
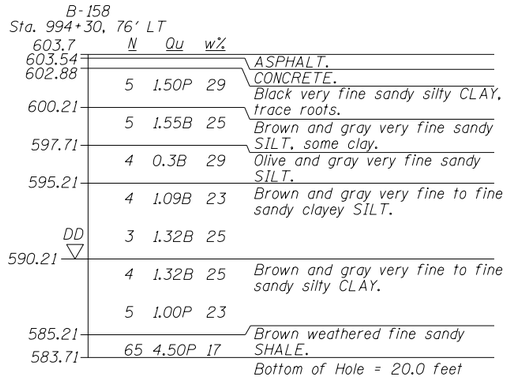
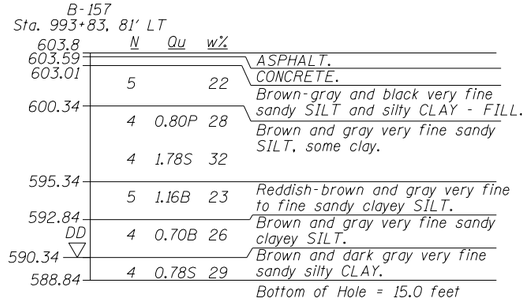
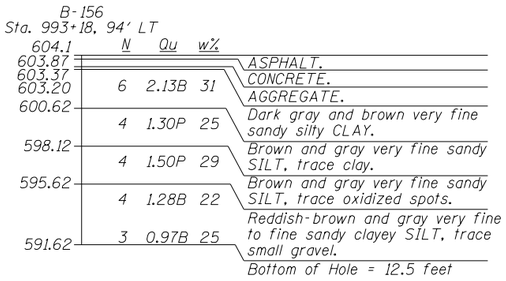
		CONTRACT NO. 93773		
	ILLINOIS FED. AID PROJECT			









LEGEND

N	Standard Penetration Test N (blows/ft)
Qu	Unconfined Strength (tsf)
w%	Natural Moisture Content (%)
DD ▽ 558.10	Water Surface Elevation Encountered in Boring DD = during drilling Oh = at completion 24h = 24 hours after completion

FINAL PLANS

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DEPARTMENT OF TRANSPORTATION

SUBSURFACE DATA PROFILE
RETAINING WALLS – NORTH GRAND AVENUE OVERPASS

SHEET NO. 21 OF 23 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7972	20-00492-00-BR & 22-00492-01-BR	SANGAMON	714	520
		CONTRACT NO. 93773		
	ILLINOIS FED. AID PROJECT			

B-155
Sta. 992+19, 103' LT

	N	Qu	w%	
604.4				
604.26				ASPHALT.
603.51				CONCRETE.
	3		27	Brown very fine sandy silty CLAY, some rock fragments - FILL.
600.93				
	5	1.59B	25	Brown and gray very fine sandy SILT.
	3	1.85B	29	
595.93				
	5	0.85B	23	Reddish-brown and gray very fine to fine sandy clayey SILT.
594.43				Bottom of Hole = 10.0 feet

B-165
Sta. 1002+48, 23' LT

	N	Qu	w%	
601.2				
	11	10.69S	17	Dark brown and brown very fine sandy silty CLAY.
597.70				
	7	2.00P	24	Brown and gray very fine sandy SILT, trace clay.
595.20				
	6	2.27S	27	Brown very fine sandy SILT.
592.70				
	4	1.47B	26	Dark brown very fine sandy SILT, some clay.
590.20				
	3	0.78B	28	Brownish-gray very fine sandy clayey SILT.
587.70				
	4	1.20S	26	Gray very fine sandy silty CLAY.
585.20				
	6	1.44S	30	Olive and gray very fine sandy silty CLAY.
582.70				
	17	4.50P	17	Brown weathered clayey SHALE.
577.70				
576.70	71	4.50P	13	Brown and gray weathered SHALE.
				Bottom of Hole = 25.0 feet

B-164
Sta. 1000+80, 25' LT

	N	Qu	w%	
603.5				
602.87				ASPHALT.
	6	2.50P	27	Black very fine sandy silty CLAY.
599.95				
	7	2.00P	24	Brown and gray very fine sandy SILT, some clay, calcareous.
597.45				
Oh			25	Brown and gray very fine sandy
595.5 ▽			23	SILT, calcareous.
	6	1.47B	24	
592.45				
DD	4	0.97B	24	Brown very fine sandy SILT, some clay.
589.95 ▽				
	3	0.97B	25	Brown very fine sandy clayey SILT.
587.45				
			24	Brown and gray very fine sandy silty CLAY.
	10	1.86S	23	
579.95				
	50/4"		15	Brown and gray weathered fine sandy SHALE.
574.95				
	50/5"		13	Gray micaceous fine sandy SHALE.
573.45	Rec. = 56%			Gray sandy SHALE, micaceous.
	Rec. = 100%			
565.95				Gray clayey SHALE.
	Rec. = 73%			
561.95				COAL.
559.95				Gray shaley CLAY.
	Rec. = 92%			
555.45				Gray SHALE, some sand.
	Rec. = 69%			
548.45				Bottom of Hole = 55.0 feet

B-162
Sta. 998+97, 25' LT

	N	Qu	w%	
602.4				
602.17				ASPHALT.
601.42				CONCRETE.
	11		4	Brown silty fine to medium SAND, trace coarse sand and small gravel - FILL.
	4		5	
	3		6	Brown silty fine to medium SAND, trace coarse sand and small gravel and brown and gray very fine sandy SILT - FILL.
593.92				
	3		6	Brown and gray very fine sandy SILT, some clay.
592.42				
	5	1.71B	22	
588.92				
	3	0.89B	24	Brown and gray very fine to fine sandy silty CLAY, trace small gravel.
	4	1.09B	24	
583.92				
	7	2.06S	25	Brown and gray fine sandy silty CLAY.
578.92				
	50/4"	4.50P	14	Brown and gray SHALE - highly weathered.
573.92				
	50/5"		8	Gray micaceous fine sandy SHALE.
572.42	Rec. = 100%			Gray clayey SHALE, trace sand, micaceous.
	RQD = 21%			
	Rec. = 75%			
	RQD = 69%			
	Rec. = 100%			
567.42	RQD = 96%			Gray sandy SHALE, micaceous.
	Rec. = 93%			
	RQD = 93%			
	Rec. = 100%			
	RQD = 67%			
561.92				Gray clayey SHALE.
	Rec. = 82%			
	RQD = 49%			
553.42				Bottom of Hole = 49.0 feet

LEGEND

N	Standard Penetration Test N (blows/ft)
Qu	Unconfined Strength (tsf)
w%	Natural Moisture Content (%)
DD ▽ 558.10 ▽	Water Surface Elevation Encountered in Boring DD = during drilling Oh = at completion 24h = 24 hours after completion

FINAL PLANS

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USER NAME = pop00275	DESIGNED - KMS	REVISED -	
	CHECKED - RGC	REVISED -	
PLOT SCALE = 0.167 ' / in.	DRAWN - EJM	REVISED -	
PLOT DATE = 9/27/2024	CHECKED - RGC	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBSURFACE DATA PROFILE
RETAINING WALLS – NORTH GRAND AVENUE OVERPASS
SHEET NO. 22 OF 23 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7972	20-00492-00-BR & 22-00492-01-BR	SANGAMON	714	521
		CONTRACT NO. 93773		
	ILLINOIS FED. AID PROJECT			

B-175
Sta. 999+32, 63' RT

	N	Qu	w%	
603.0				CONCRETE.
602.26	6	2.00P	26	Brown and gray very fine sandy silty CLAY.
599.51	5	0.62B	23	Brown and gray very fine sandy SILT, trace clay.
	6	1.44B	25	
592.01	3	0.43B	24	Brown and gray very fine to fine sandy silty CLAY.
	4	1.16B	24	
			23	
			22	
584.51	50/5"	4.50P	12	Brown SHALE - highly weathered.
579.51	50/3"	4.50P	10	Gray fine sandy SHALE.
	50/5"		8	
573.01				Bottom of Hole = 30.0 feet

B-176
Sta. 1000+90, 23' RT

		N	Qu	w%	
603.1					ASPHALT.
602.60		5		24	Black very fine to fine sandy clayey SILT.
597.10		6		25	Brown and gray very fine sandy SILT, trace clay, trace limestone fragments.
594.60		5	1.55B	27	Brown and gray very fine sandy SILT.
592.10		3	0.93B	27	Brown very fine sandy clayey SILT.
589.60					Brown and gray very fine sandy silty CLAY.
		6	2.33B	25	
584.60					
583.1	DD	21	2.52B	16	Brown and gray very fine sandy SILT and weathered SHALE.
579.60		50/4"	4.50P	11	Brown and gray weathered fine sandy SHALE.
		50/4"	4.50P	12	
574.60					Bottom of Hole = 28.5 feet

B-177
Sta. 1001+82, 20' RT

	N	Qu	w%	
601.2	9	9.38S	17	Dark brown and brown very fine sandy silty CLAY, trace small gravel - FILL.
597.73	7		21	Brown and gray very fine sandy SILT, trace clay.
595.23	7	2.52B	25	Brown and gray very fine sandy SILT.
592.23	4	0.74B	24	Brownish-gray very fine sandy clayey SILT.
	4	1.20B	23	
587.23	5	0.97B	23	Gray very fine sandy silty CLAY, trace small gravel.
585.23	13	2.50P	9	Brown and gray very fine sandy silty CLAY.
582.73	50/5"	4.50P	14	Brown and gray weathered very fine sandy SHALE.
576.23	50/4"	4.50P	13	
				Bottom of Hole = 25.0 feet

LEGEND

N	Standard Penetration Test N (blows/ft)
Qu	Unconfined Strength (tsf)
w%	Natural Moisture Content (%)
DD ▽ 558.10	Water Surface Elevation Encountered in Boring DD = during drilling Oh = at completion 24h = 24 hours after completion

FINAL PLANS

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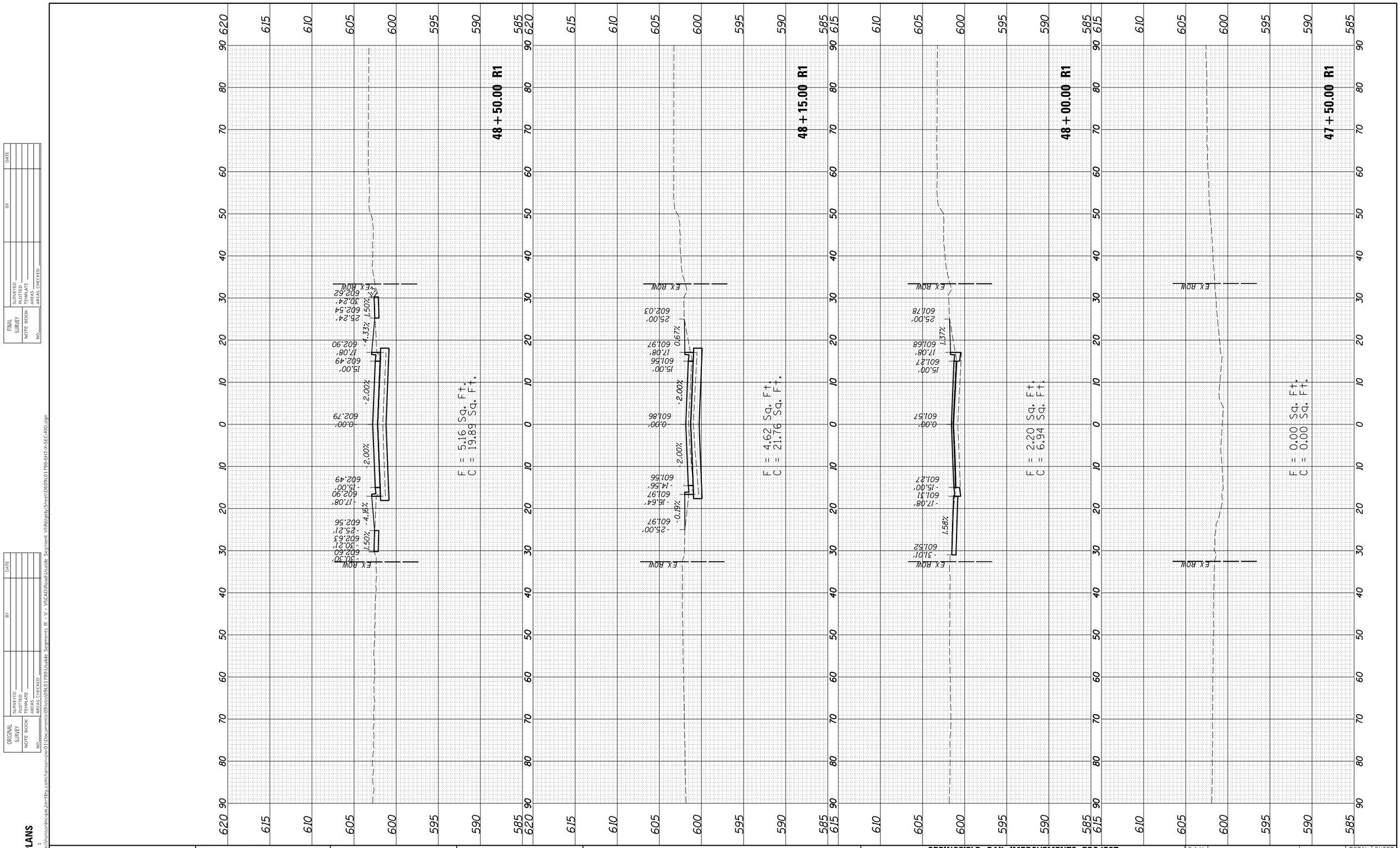
PLOT SCALE = 0.167 ' / in.	DRAWN - EJM	REVISED -	
PLOT DATE = 9/27/2024	CHECKED - RGC	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBSURFACE DATA PROFILE
RETAINING WALLS – NORTH GRAND AVENUE OVERPASS

SHEET NO. 23 OF 23 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7972	20-00492-00-BR & 22-00492-01-BR	SANGAMON	714	522
		CONTRACT NO. 93773		
	ILLINOIS FED. AID PROJECT			



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NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		

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

FINAL PLANS

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PLOT SCALE = 20.00 ' / in.	CHECKED - SKM	REVISED -	
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – RIDGELY AVENUE – 1

SCALE: | SHEET 1 OF 3 SHEETS | STA. 47+50.00 R1 TO STA. 48+50.00 R1

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7972	20-00492-00-BR & 22-00492-01-BR	SANGAMON	714	523
	09L0179B	CONTRACT NO. 93773		
	ILLINOIS FED. AID PROJECT			

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

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

49+70.31 R1

F = 97.77 Sq. Ft.
C = 0.00 Sq. Ft.

49+50.00 R1

F = 97.54 Sq. Ft.
C = 0.00 Sq. Ft.

49+07.73 R1

F = 26.26 Sq. Ft.
C = 2.32 Sq. Ft.

49+04.78 R1

F = 22.54 Sq. Ft.
C = 3.92 Sq. Ft.

49+00.00 R1

F = 17.06 Sq. Ft.
C = 8.43 Sq. Ft.

TEMP ESMT

EX ROW

PR ROW

FINAL PLANS

MODEL: Sheet 2
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PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – RIDGELY AVENUE – 2

SCALE: | SHEET 2 OF 3 SHEETS | STA. 49+00.00 R1 TO STA. 49+70.31 R1

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7972	20-00492-00-BR & 22-00492-01-BR	SANGAMON	714	524
	09L0179B	CONTRACT NO. 93773		
	ILLINOIS FED. AID PROJECT			

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

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
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	AREAS		
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FINAL PLANS

MODEL: Sheet 3

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PLOT SCALE = 20.00 ' / in.

PLOT DATE = 9/27/2024

DESIGNED - SKM

DRAWN - RH

CHECKED - SKM

DATE - 10/01/2024

REVISED -

REVISED -

REVISED -

REVISED -

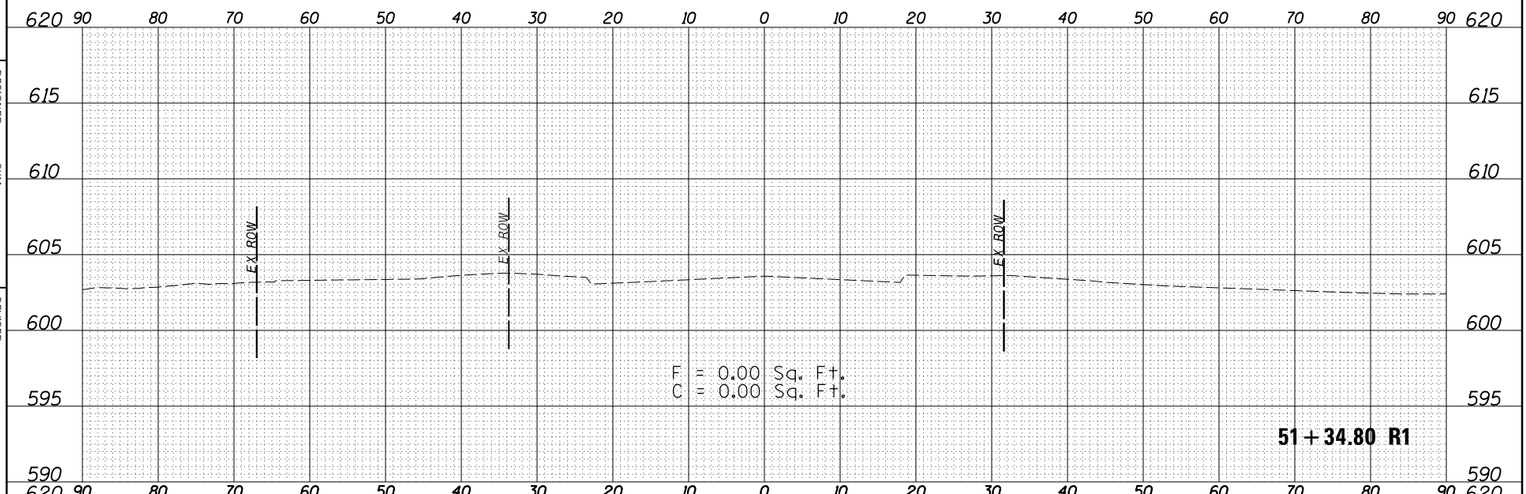
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

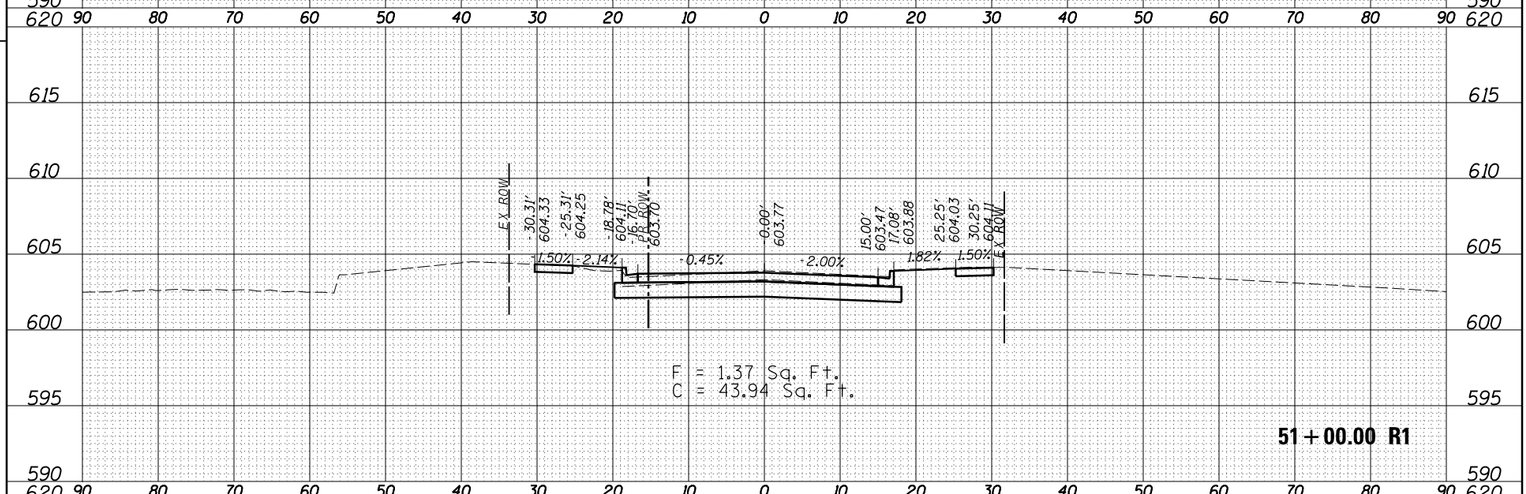
SCALE:

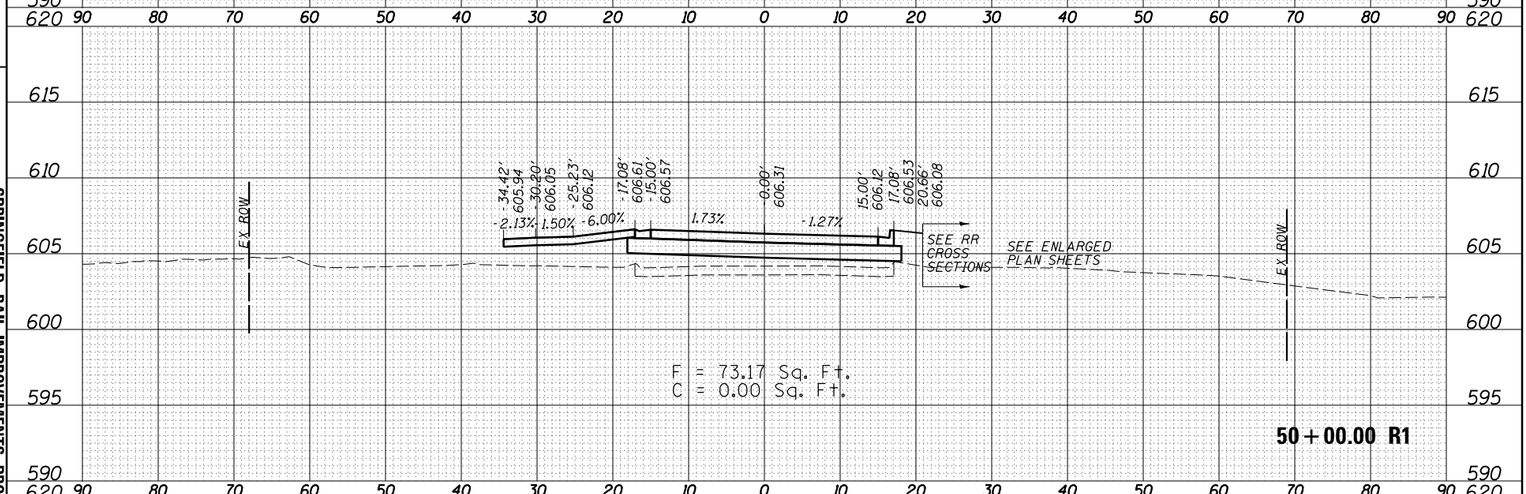
SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – RIDGELY AVENUE – 3

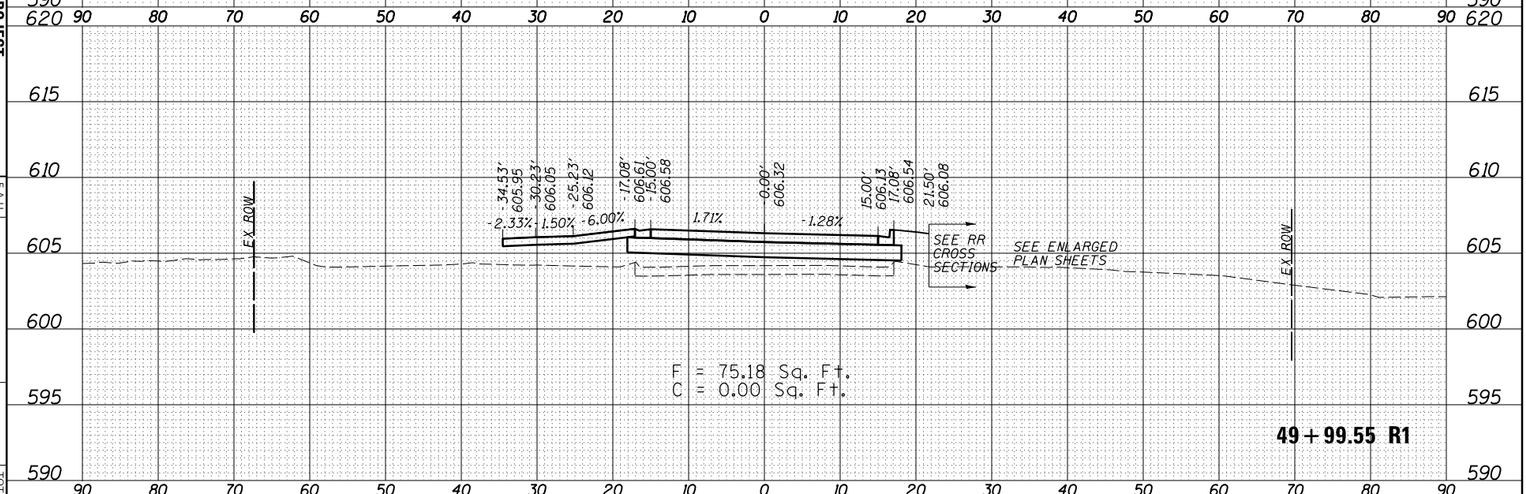
SHEET 3 OF 3 SHEETS

STA. 49+99.55 R1 TO STA. 51+34.80 R1

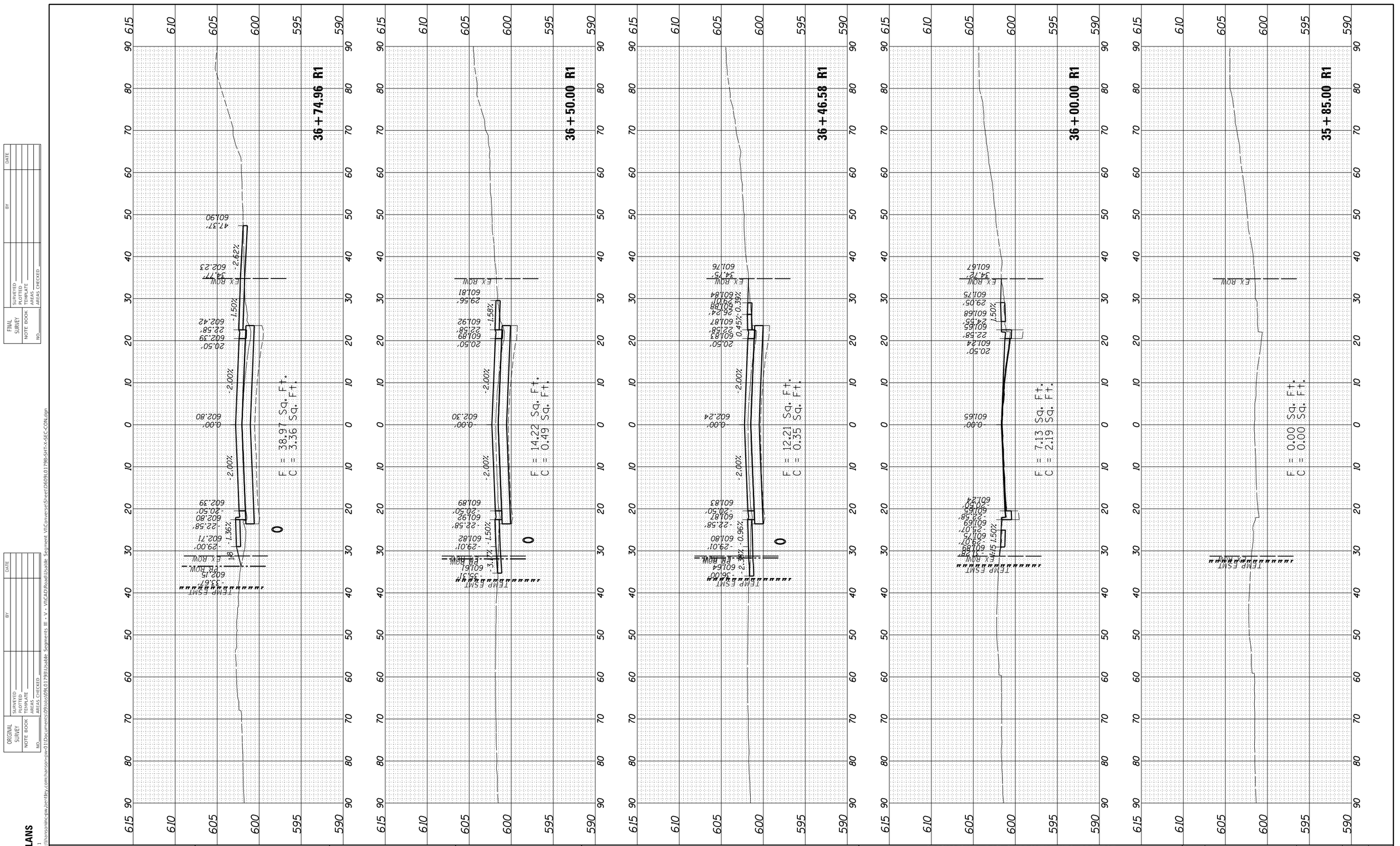








F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7972	20-00492-00-BR & 22-00492-01-BR	SANGAMON	714	525
	09L0179B	CONTRACT NO. 93773		
	ILLINOIS	FED. AID PROJECT		



FINAL PLANS

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NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
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NOTE BOOK	PLOTTED		
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	AREAS		
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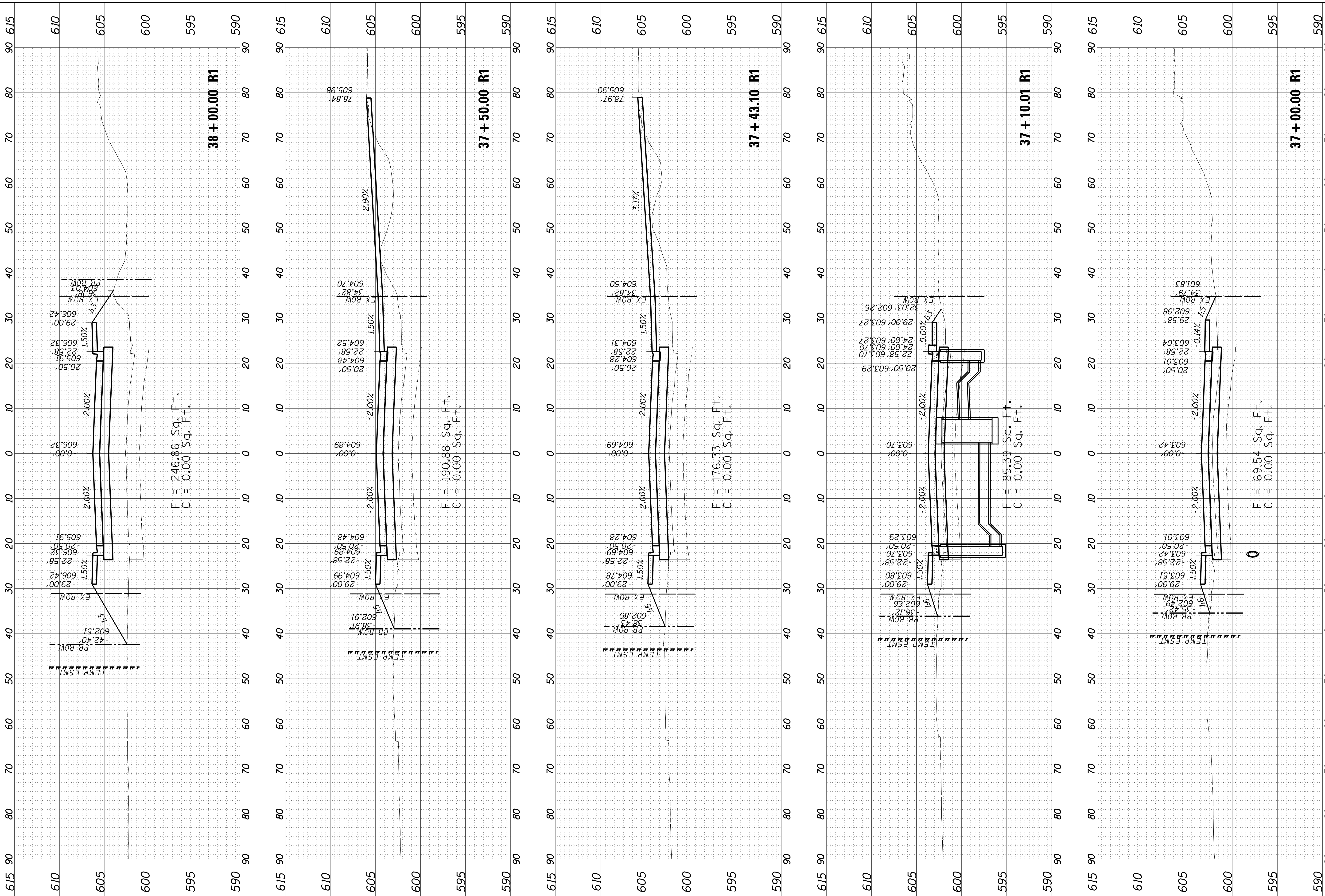
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – CONVERSE AVENUE – 1

SCALE: | SHEET 1 OF 5 SHEETS | STA. 35+85.00 R1 TO STA. 36+74.96 R1

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7972	20-00492-00-BR & 22-00492-01-BR	SANGAMON	714	526
	09L0179B	CONTRACT NO. 93773		
	ILLINOIS FED. AID PROJECT			



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FINAL PLANS

MODEL: Sheet 2

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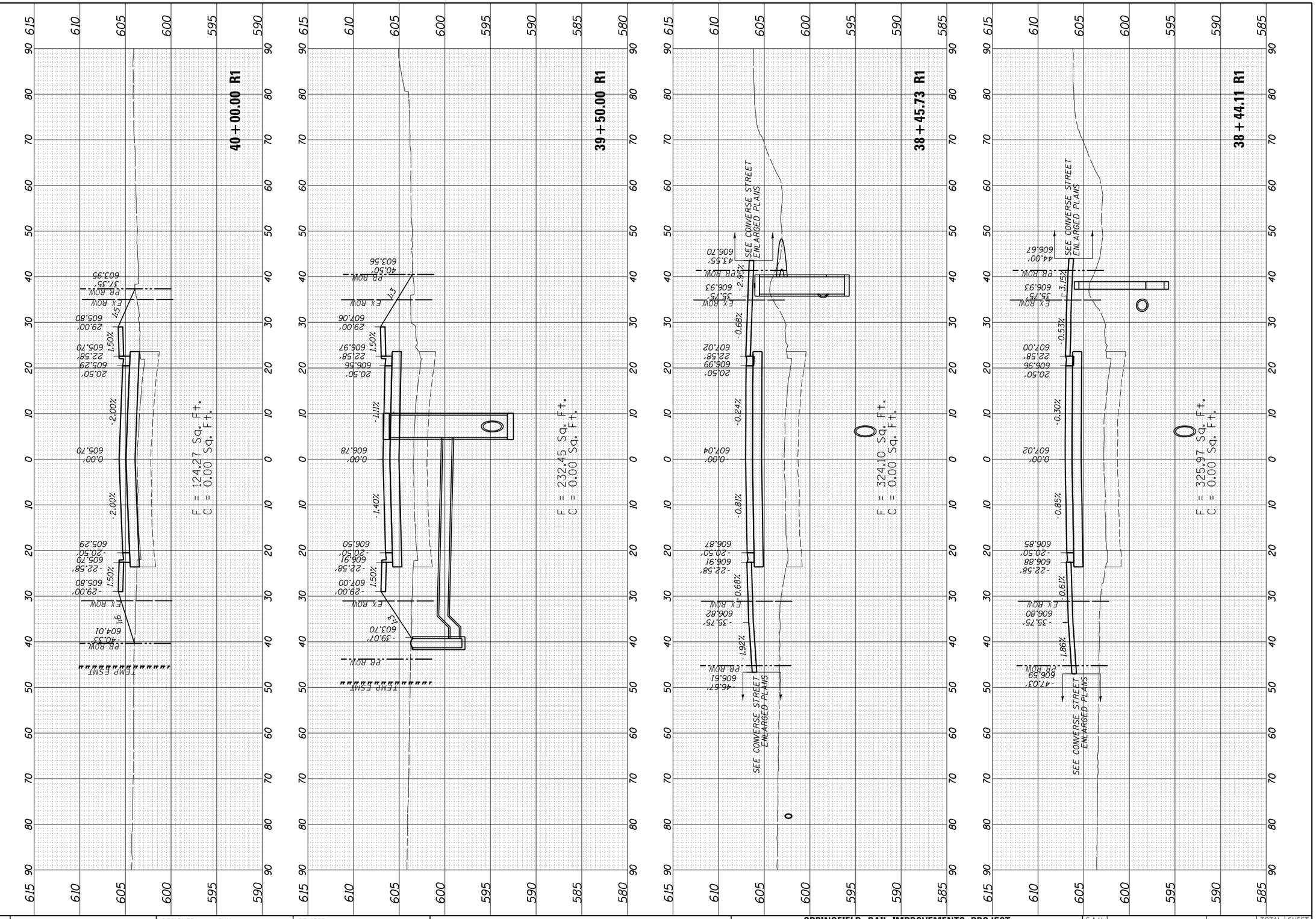
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – CONVERSE AVENUE – 2

SCALE: | SHEET 2 OF 5 SHEETS | STA. 37+00.00 R1 TO STA. 38+00.00 R1

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7972	20-00492-00-BR & 22-00492-01-BR	SANGAMON	714	527
	09L0179B	CONTRACT NO. 93773		
	ILLINOIS	FED. AID PROJECT		



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PLOT SCALE = 20.00 ' / in.	CHECKED - SKM	REVISED -	
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – CONVERSE AVENUE – 3

SCALE: | SHEET 3 OF 5 SHEETS | STA. 38+44.11 R1 TO STA. 40+00.00 R1

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7972	20-00492-00-BR & 22-00492-01-BR	SANGAMON	714	528
	09L0179B	CONTRACT NO. 93773		
	ILLINOIS FED. AID PROJECT			

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

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

FINAL PLANS

MODEL: Sheet 3
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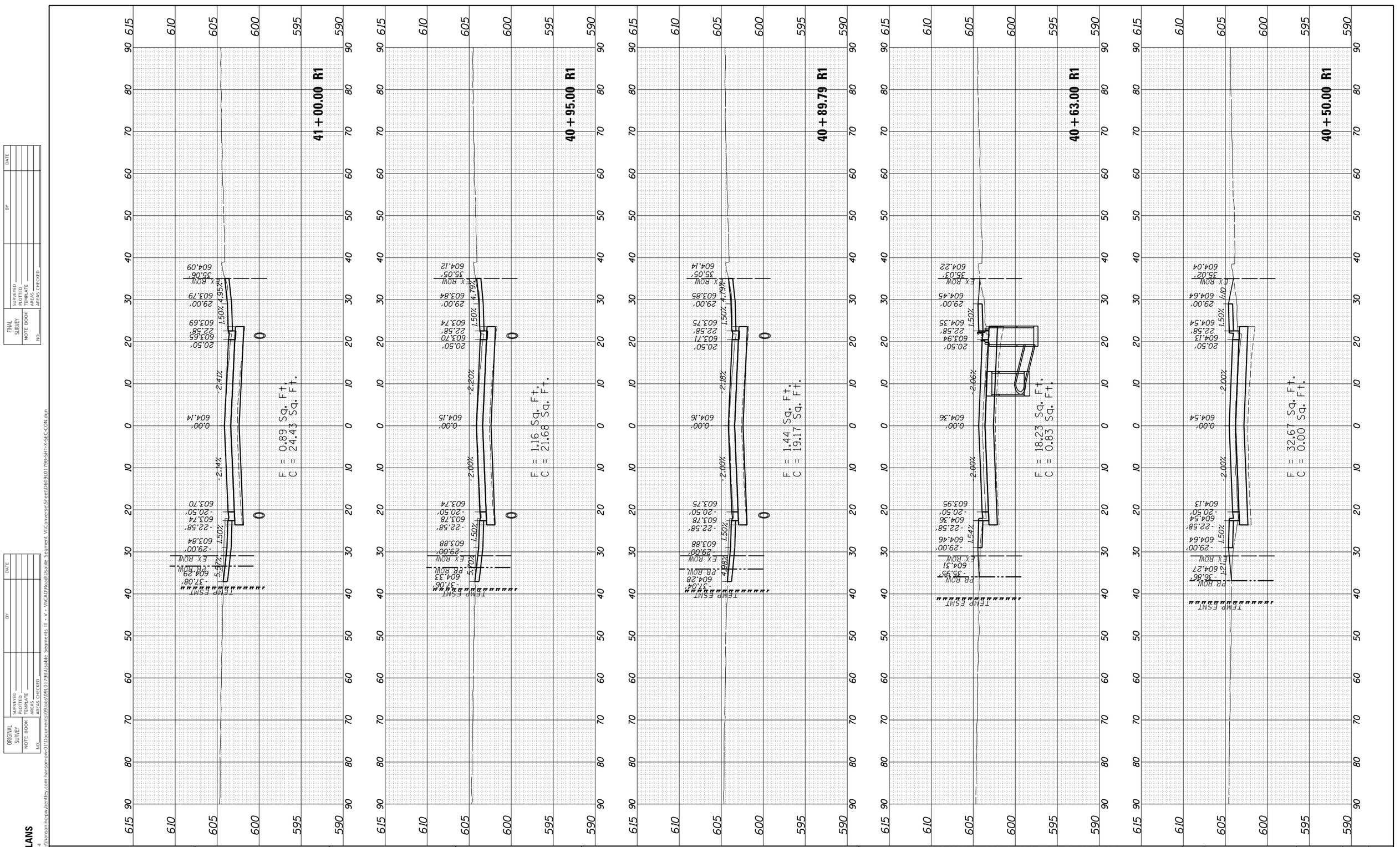

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PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – CONVERSE AVENUE – 4

SCALE: | SHEET 4 OF 5 SHEETS | STA. 40+50.00 R1 TO STA. 41+00.00 R1

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7972	20-00492-00-BR & 22-00492-01-BR	SANGAMON	714	529
	09L0179B	CONTRACT NO. 93773		
		ILLINOIS FED. AID PROJECT		

FINAL PLANS
MODEL: Sheet 4
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FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
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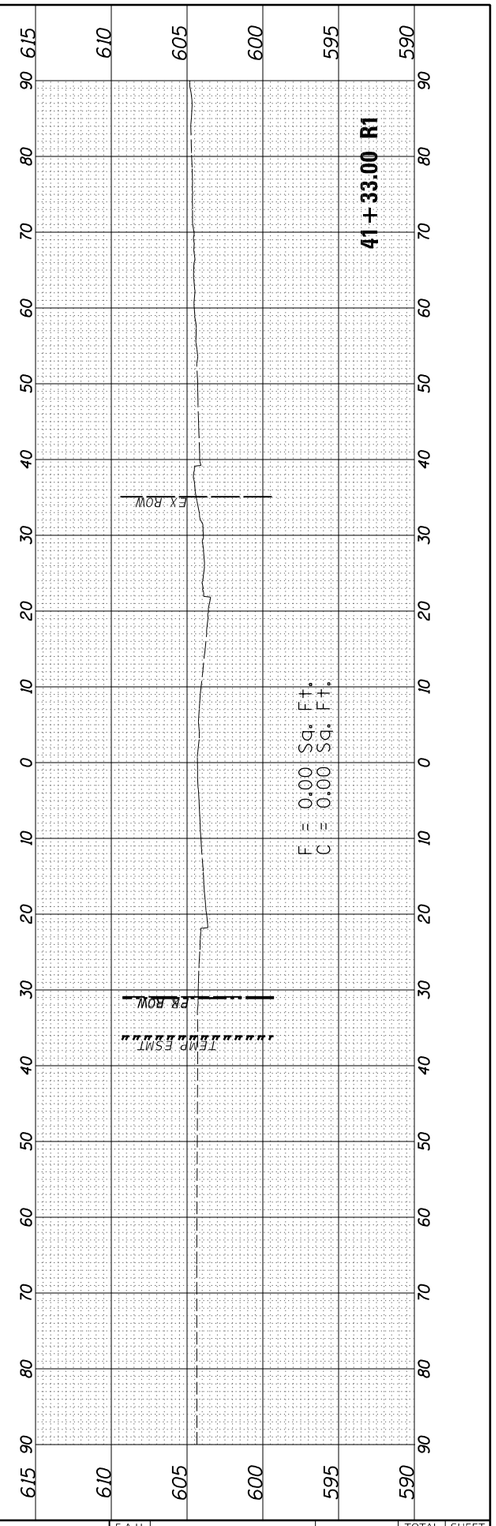
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



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

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

FINAL PLANS

MODEL: Sheet 5

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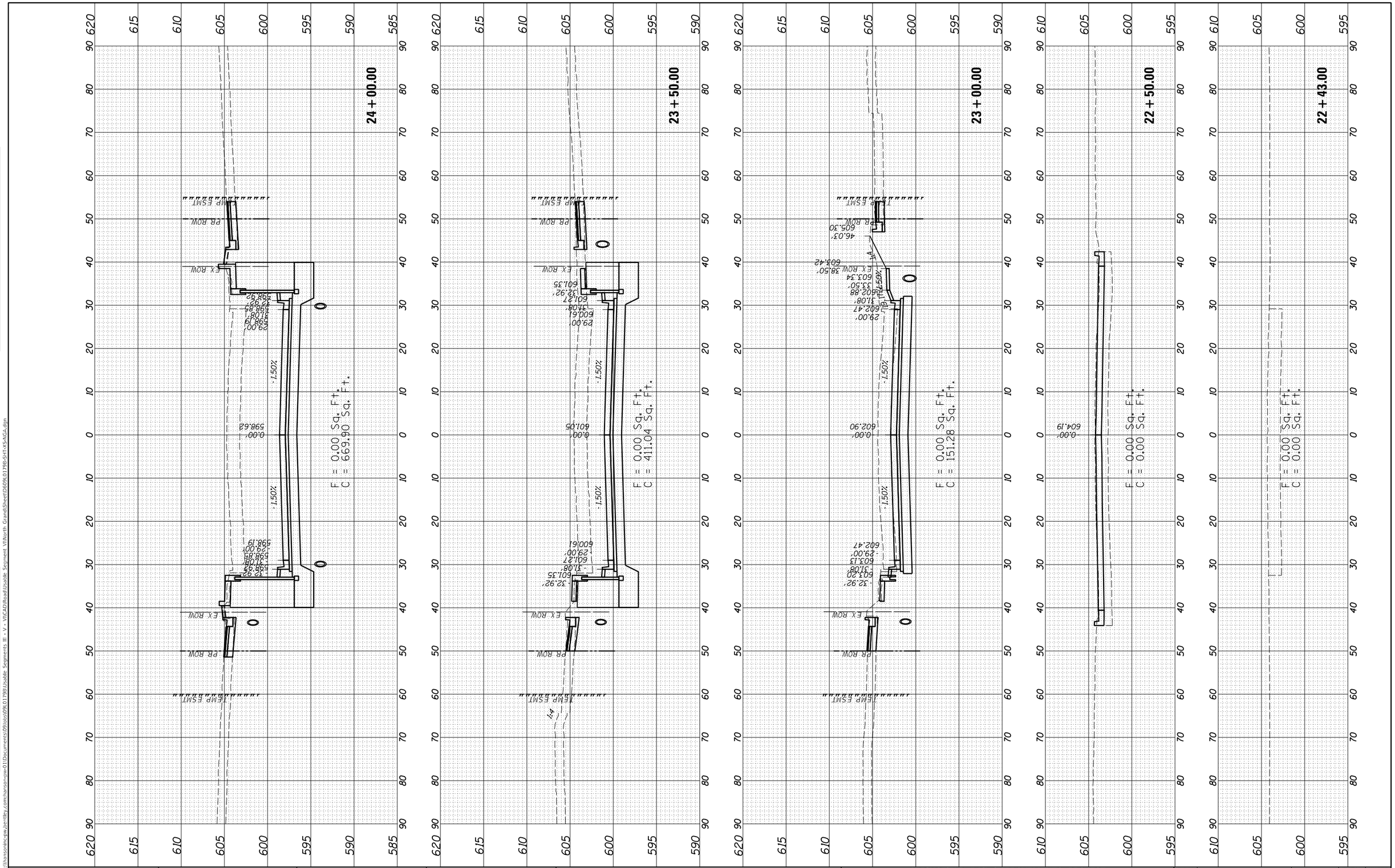
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – CONVERSE AVENUE – 5

SCALE: | SHEET 5 OF 5 SHEETS | STA. 41+33.00 R1 TO STA. 41+33.00 R1

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7972	20-00492-00-BR & 22-00492-01-BR	SANGAMON	714	530
	09L0179B	CONTRACT NO. 93773		
	ILLINOIS FED. AID PROJECT			



FINAL PLANS

MODEL: Sheet 1

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

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

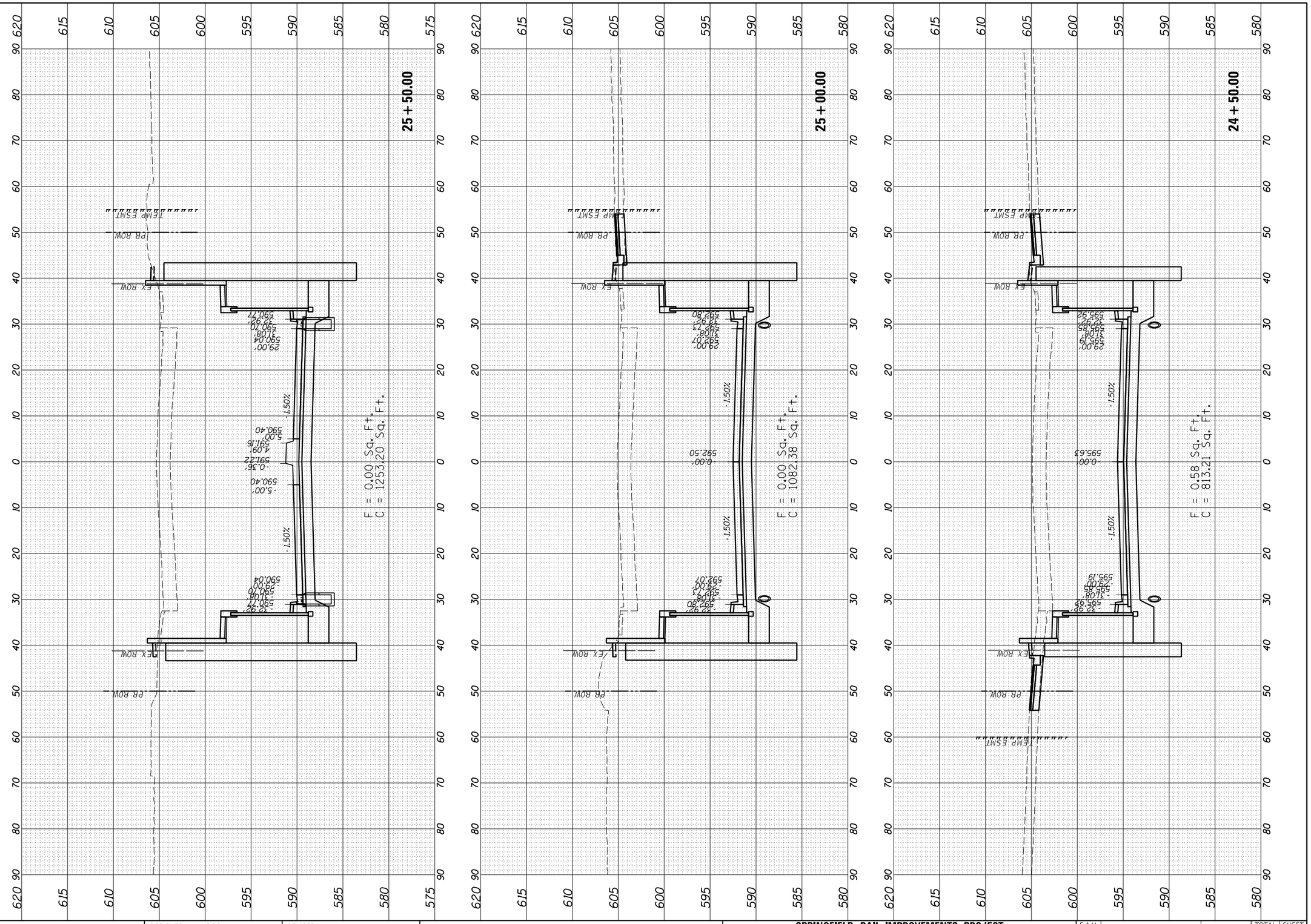
USER NAME = pop00275	DESIGNED - RGC	REVISED -	
	DRAWN - RH	REVISED -	
PLOT SCALE = 20.00 ' / in.	CHECKED - RGC	REVISED -	
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – NORTH GRAND AVENUE UNDERPASS – 1

SCALE: | SHEET 1 OF 5 SHEETS | STA. 22+43.00 TO STA. 24+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7972	20-00492-00-BR & 22-00492-01-BR	SANGAMON	714	531
	09L0179B	CONTRACT NO. 93773		
	ILLINOIS FED. AID PROJECT			



USER NAME = pop00275	DESIGNED - RGC	REVISED -	
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PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – NORTH GRAND AVENUE UNDERPASS – 2

SCALE: | SHEET 2 OF 5 SHEETS | STA. 24+50.00 TO STA. 25+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7972	20-00492-00-BR & 22-00492-01-BR	SANGAMON	714	532
	09L0179B	CONTRACT NO. 93773		
	ILLINOIS FED. AID PROJECT			

FINAL PLANS

MODEL: Sheet 2
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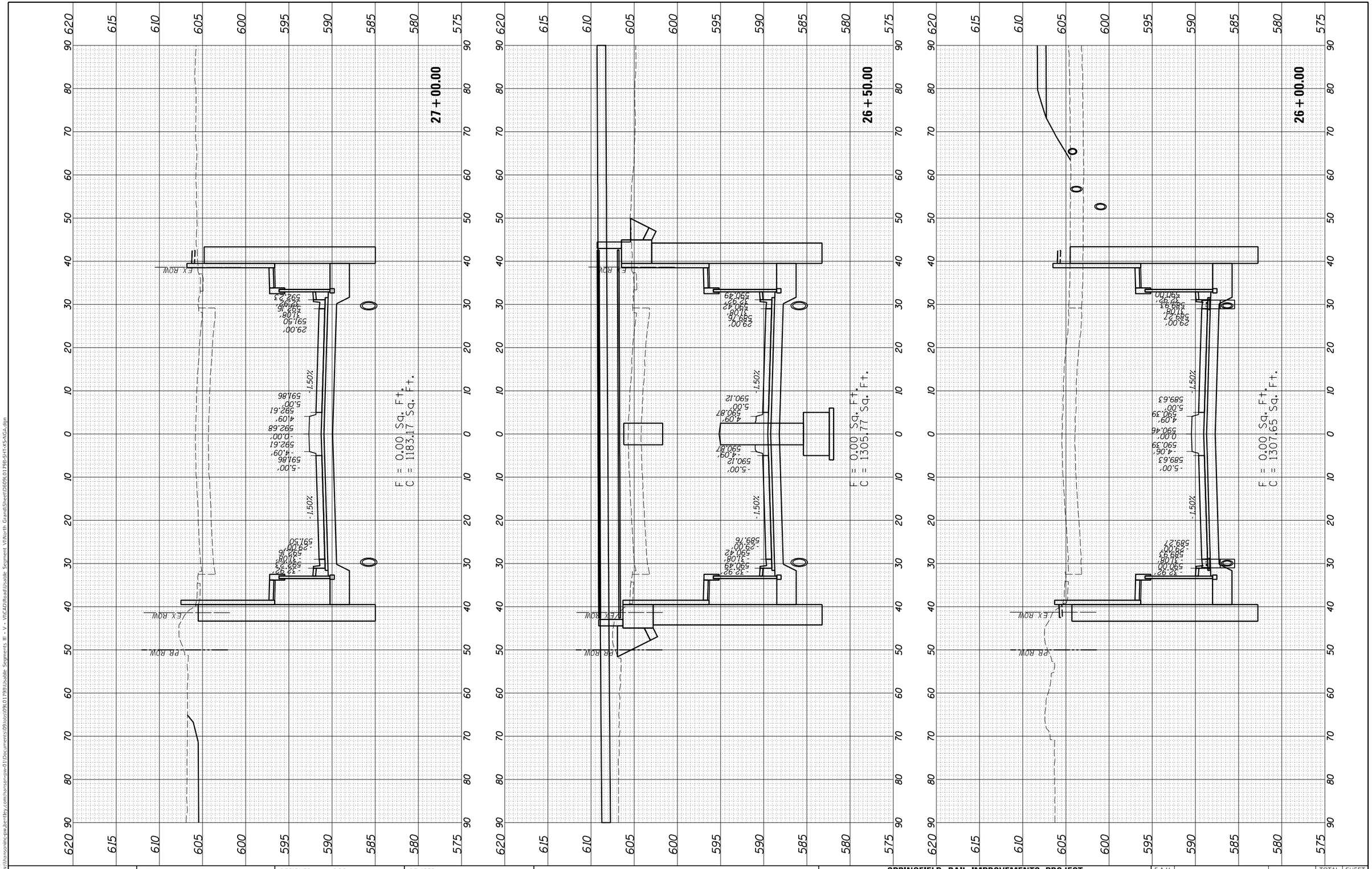
ORIGINAL SURVEY		FINAL SURVEY	
NOTE BOOK		NOTE BOOK	
NO.		NO.	
SURVEYED		SURVEYED	
PLOTTED		PLOTTED	
TEMPLATE		TEMPLATE	
AREAS		AREAS	
AREAS CHECKED		AREAS CHECKED	
BY		BY	
DATE		DATE	



FINAL PLANS

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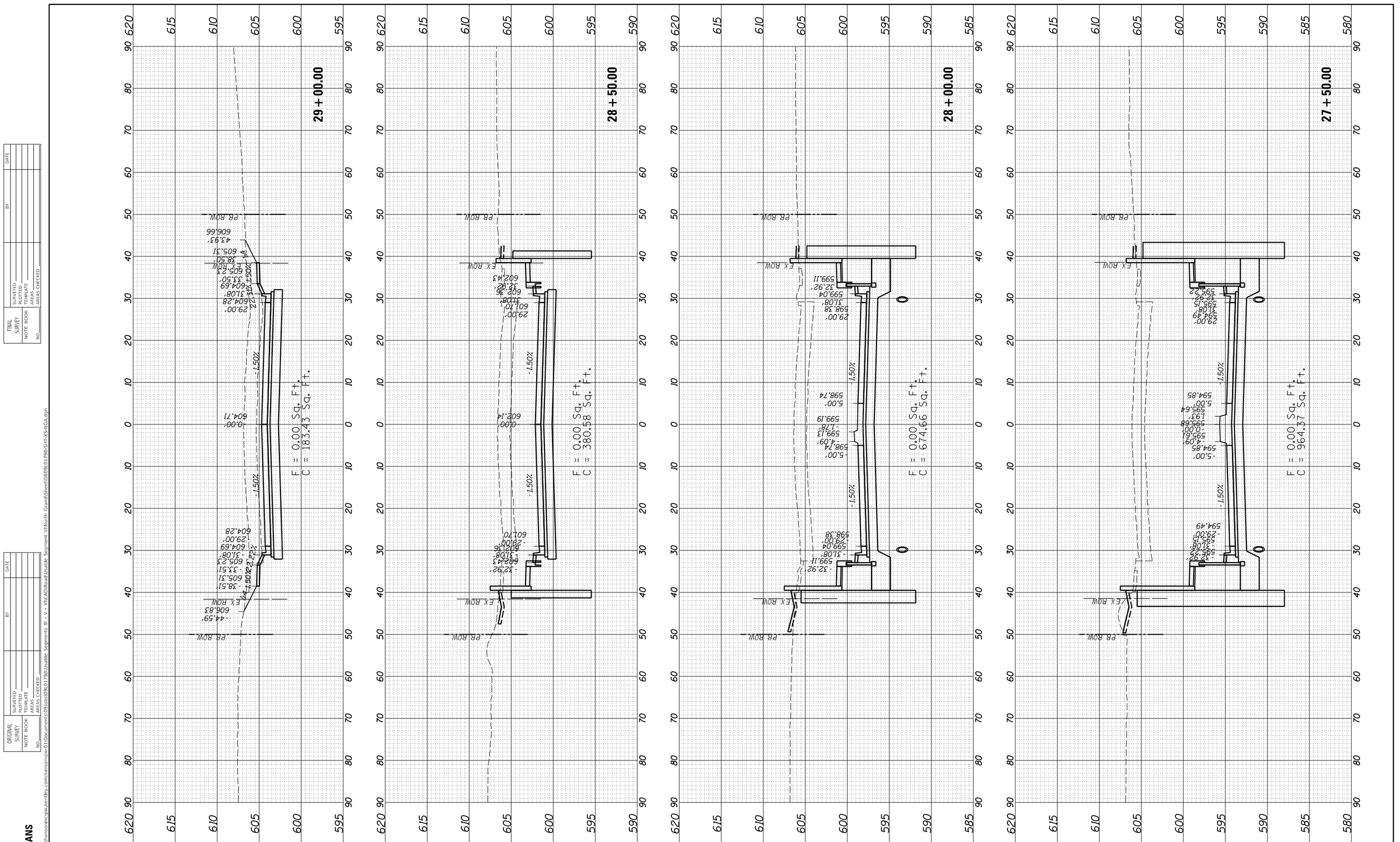
USER NAME = pop00275	DESIGNED - RGC	REVISED -
	DRAWN - RH	REVISED -
PLOT SCALE = 20.00 ' / in.	CHECKED - RGC	REVISED -
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – NORTH GRAND AVENUE UNDERPASS – 3

SCALE: | SHEET 3 OF 5 SHEETS | STA. 26+00.00 TO STA. 27+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7972	20-00492-00-BR & 22-00492-01-BR	SANGAMON	714	533
	09L0179B	CONTRACT NO. 93773		
	ILLINOIS FED. AID PROJECT			



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PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – NORTH GRAND AVENUE UNDERPASS – 4

SCALE: | SHEET 4 OF 5 SHEETS | STA. 27+50.00 TO STA. 29+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7972	20-00492-00-BR & 22-00492-01-BR	SANGAMON	714	534
	09L0179B	CONTRACT NO. 93773		
		ILLINOIS	FED. AID PROJECT	

FINAL PLANS
MODEL: Sheet 4
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ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

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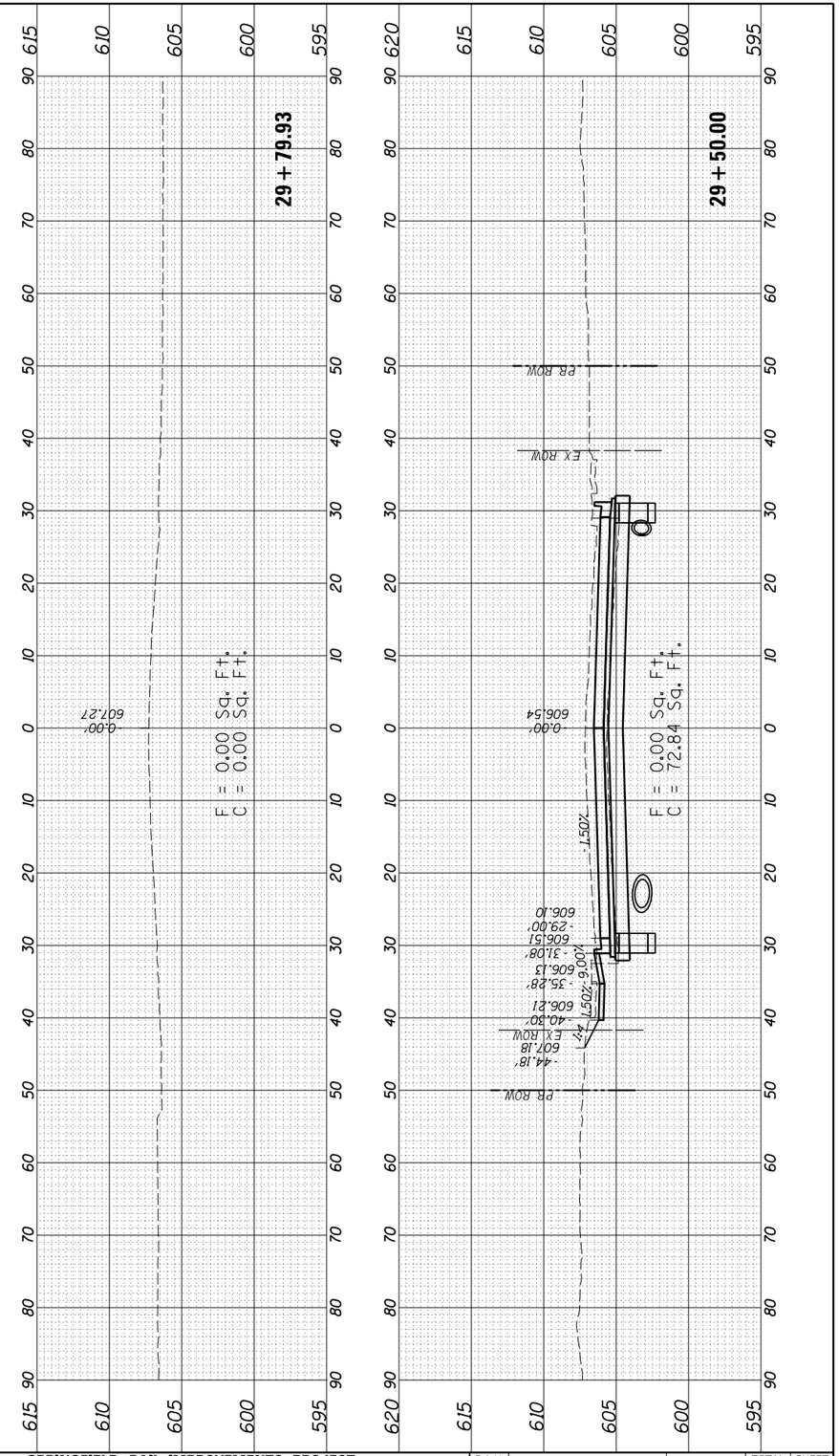
	AREAS		
	AREAS CHECKED		



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PLOT SCALE = 20.00 ' / in.	CHECKED - RGC	REVISED -	
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – NORTH GRAND AVENUE UNDERPASS – 5

SCALE: | SHEET 5 OF 5 SHEETS | STA. 29+50.00 TO STA. 29+79.93

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7972	20-00492-00-BR & 22-00492-01-BR	SANGAMON	714	535
	09L0179B	CONTRACT NO. 93773		
	ILLINOIS | FED. AID PROJECT			

FINAL PLANS
MODEL: Sheet 5
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FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

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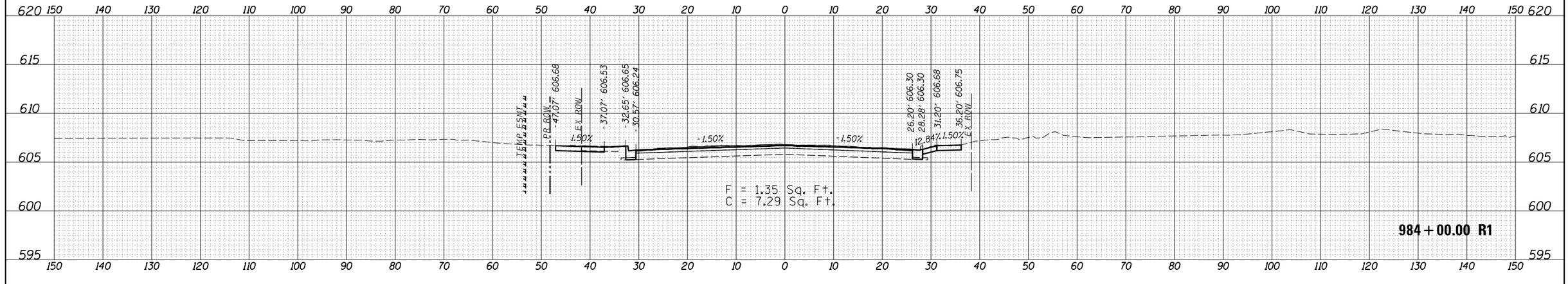
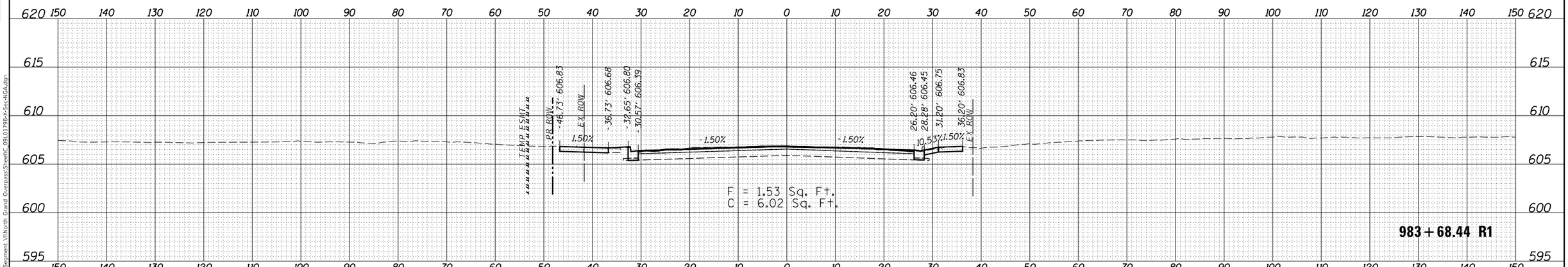
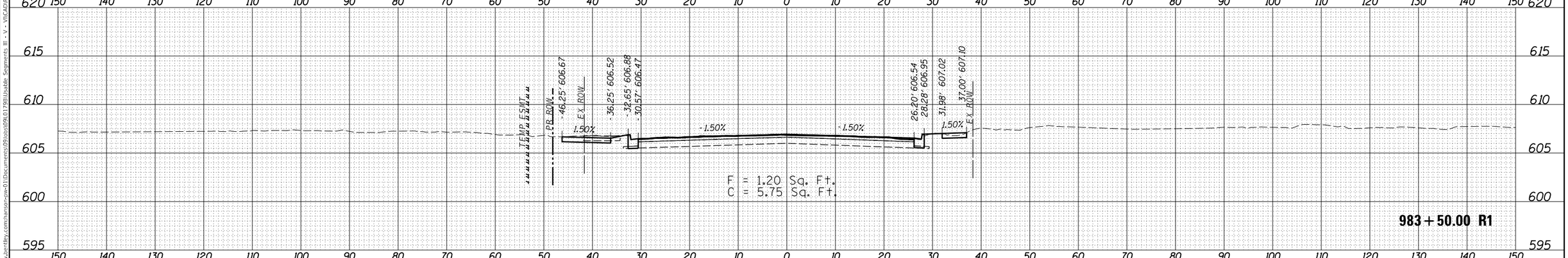
	AREAS		
	AREAS CHECKED		







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

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

FINAL PLANS

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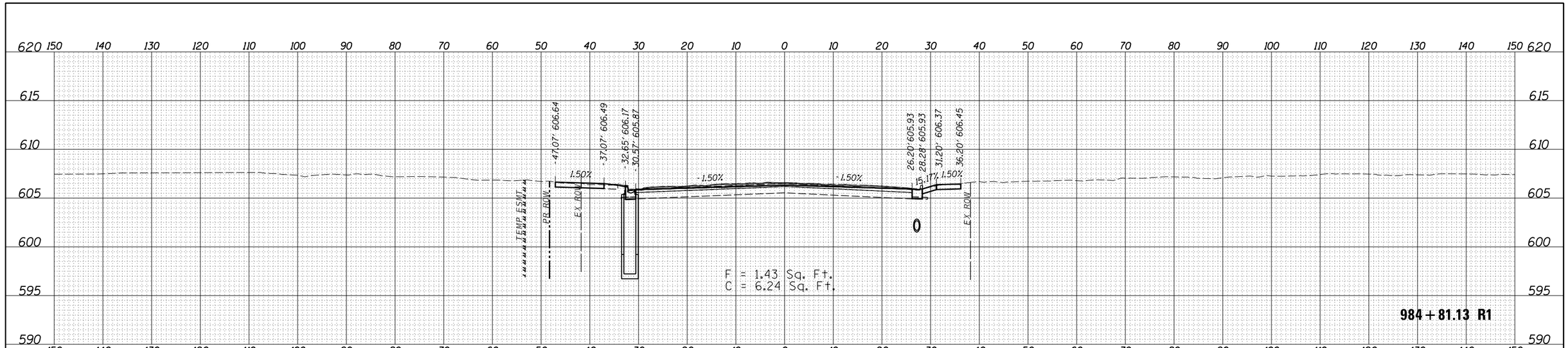
PLOT SCALE = 20.00 ' / in.	CHECKED - MNM	REVISED -	
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

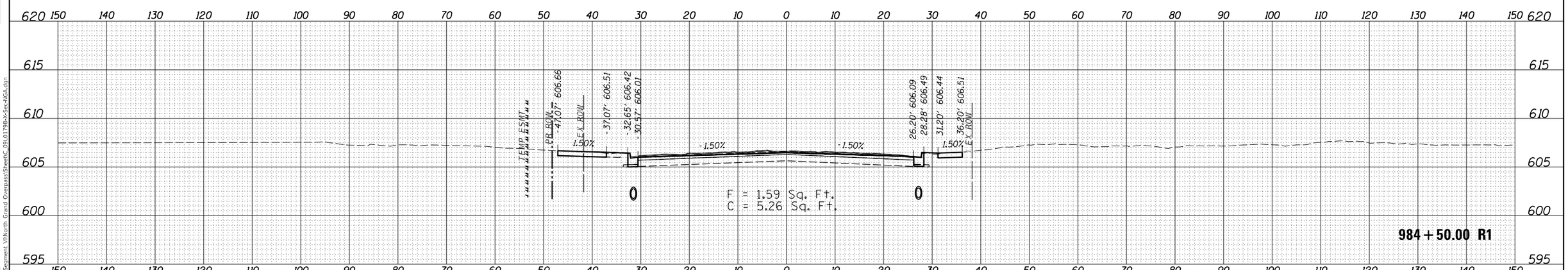
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

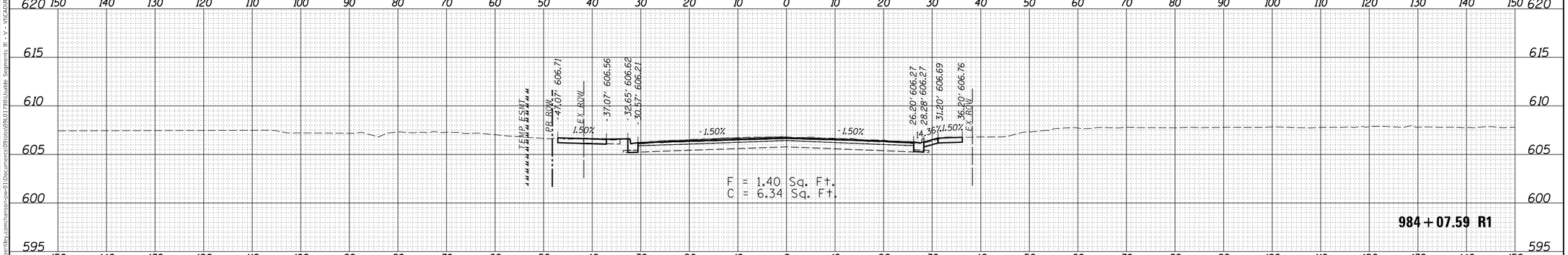
SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – NORTH GRAND AVENUE OVERPASS – 1

SCALE: | SHEET 1 OF 45 SHEETS | STA. 983+50.00 R1 TO STA. 984+00.00 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720-00492-00-BR & 22-00492-01-BR		SANGAMON	714	536
	09L0179B	CONTRACT NO. 93773		
	ILLINOIS FED. AID PROJECT			







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PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – NORTH GRAND AVENUE OVERPASS – 2

SCALE: | SHEET 2 OF 45 SHEETS | STA. 984+07.59 R1 TO STA. 984+81.13 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720	00492-00-BR & 22-00492-01-BR	SANGAMON	714	537
	09L0179B	CONTRACT NO. 93773		
	ILLINOIS FED. AID PROJECT			

FINAL PLANS

MODEL: Sheet2
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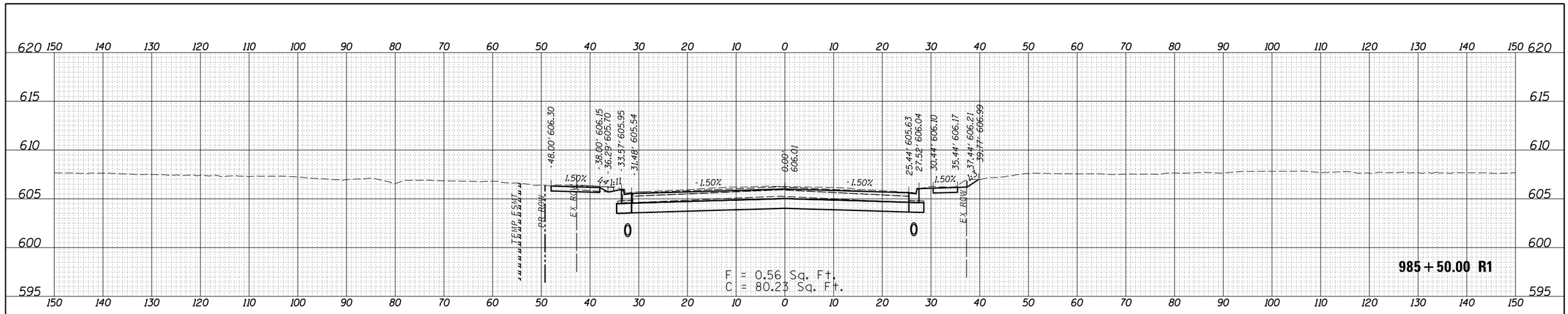

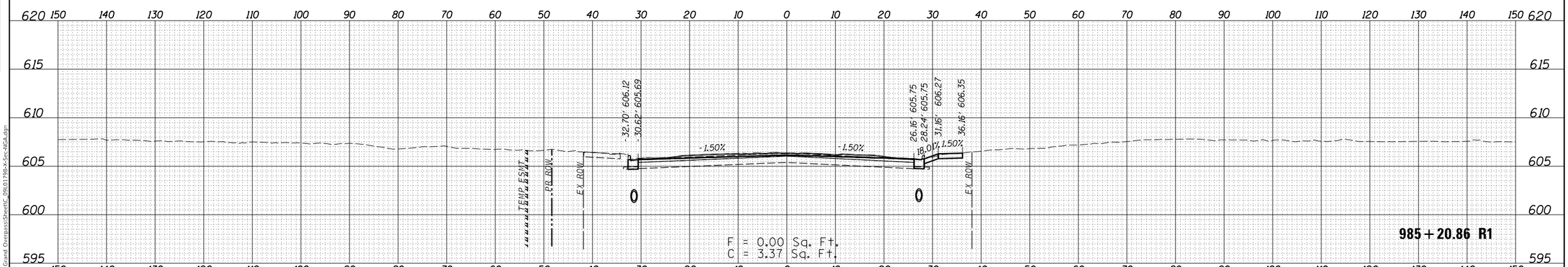

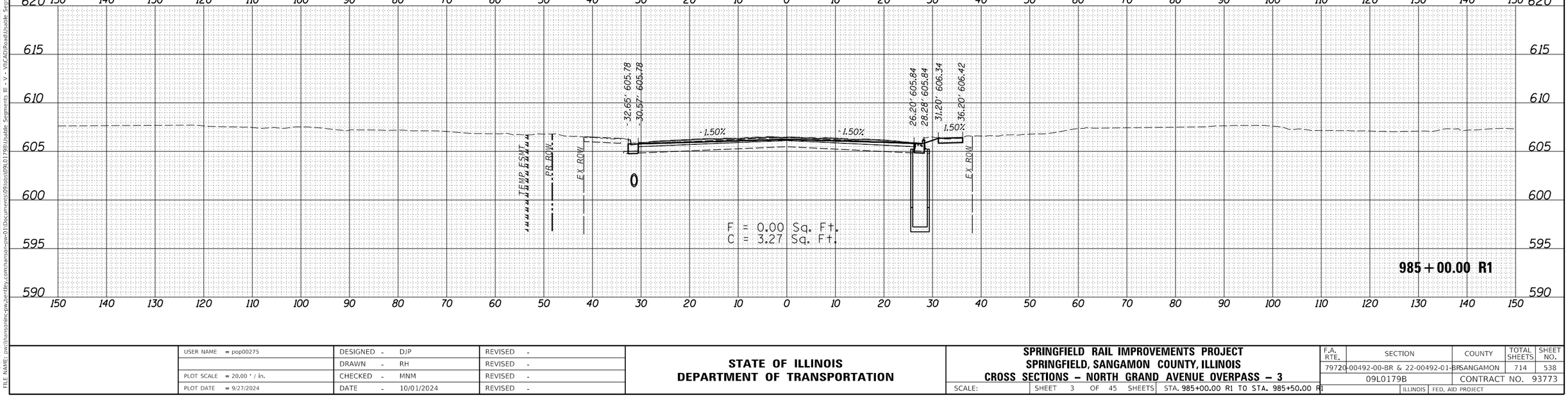

FINAL PLANS

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PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – NORTH GRAND AVENUE OVERPASS – 3

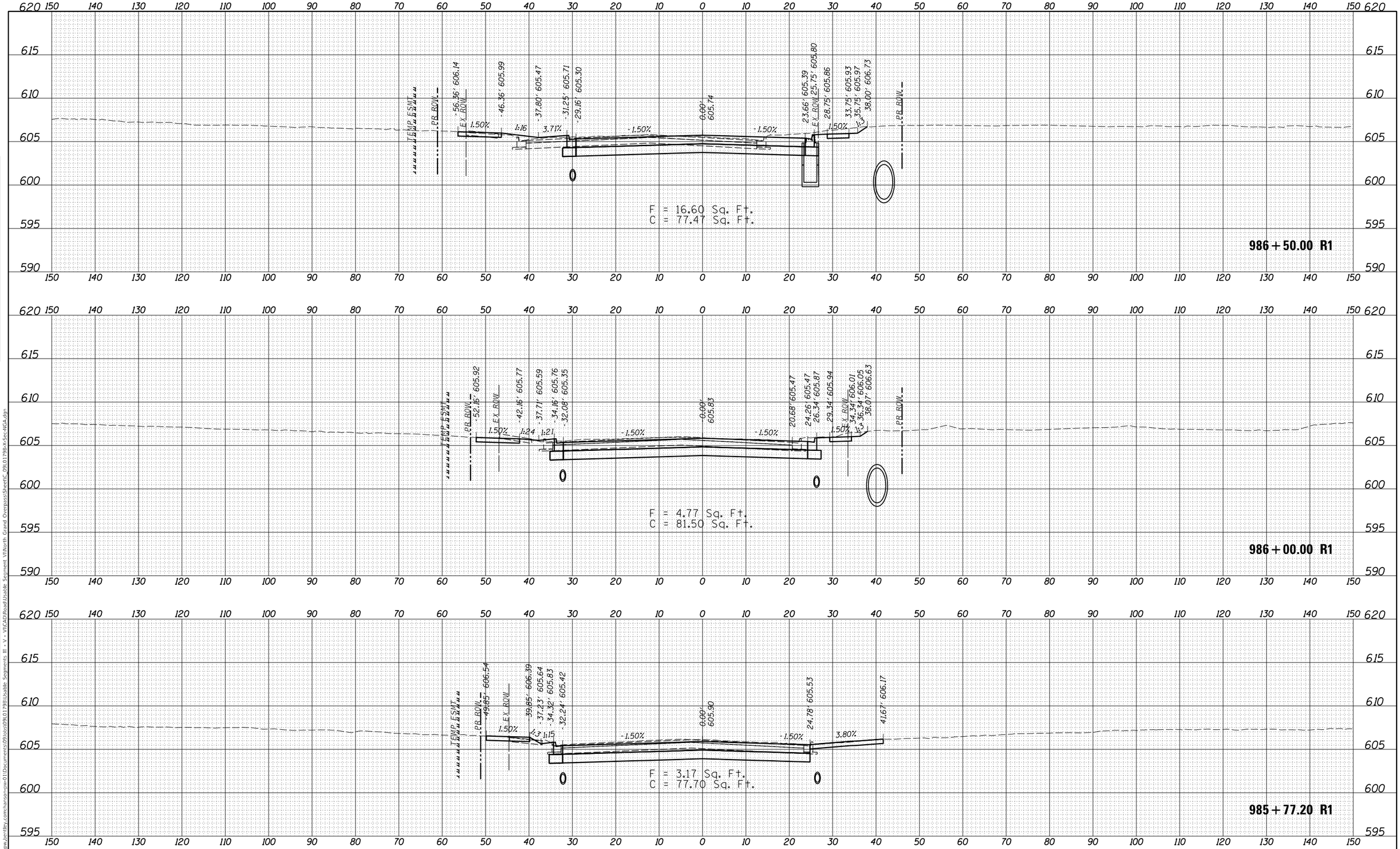
SCALE: | SHEET 3 OF 45 SHEETS | STA. 985+00.00 R1 TO STA. 985+50.00 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720-00492-00-BR & 22-00492-01-BR		SANGAMON	714	538
	09L0179B	CONTRACT NO. 93773		
		ILLINOIS FED. AID PROJECT		

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

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

BY	DATE



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

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

FINAL PLANS

MODEL: Sheet4
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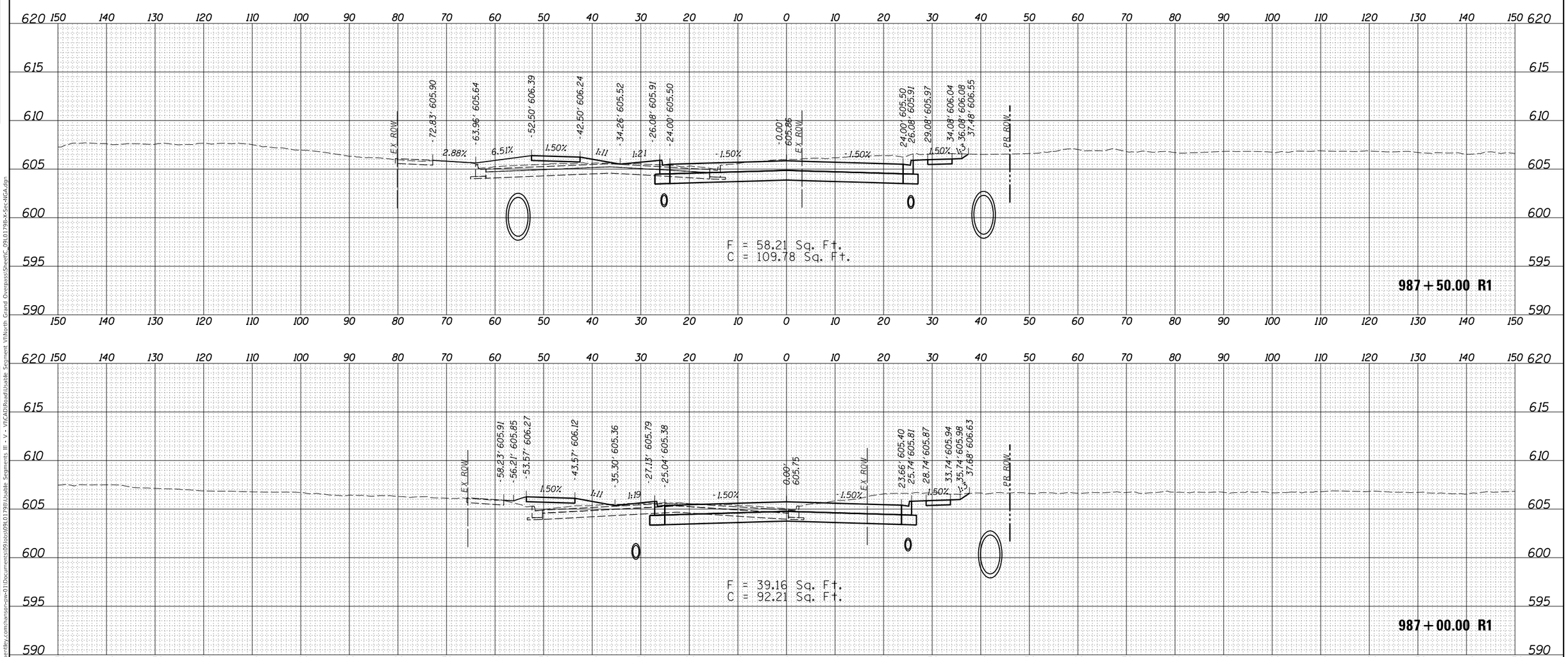
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – NORTH GRAND AVENUE OVERPASS – 4

SCALE: | SHEET 4 OF 45 SHEETS | STA. 985+77.20 R1 TO STA. 986+50.00 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720	00492-00-BR & 22-00492-01-BR	SANGAMON	714	539
	09L0179B	CONTRACT NO. 93773		
		ILLINOIS	FED. AID PROJECT	



FINAL PLANS

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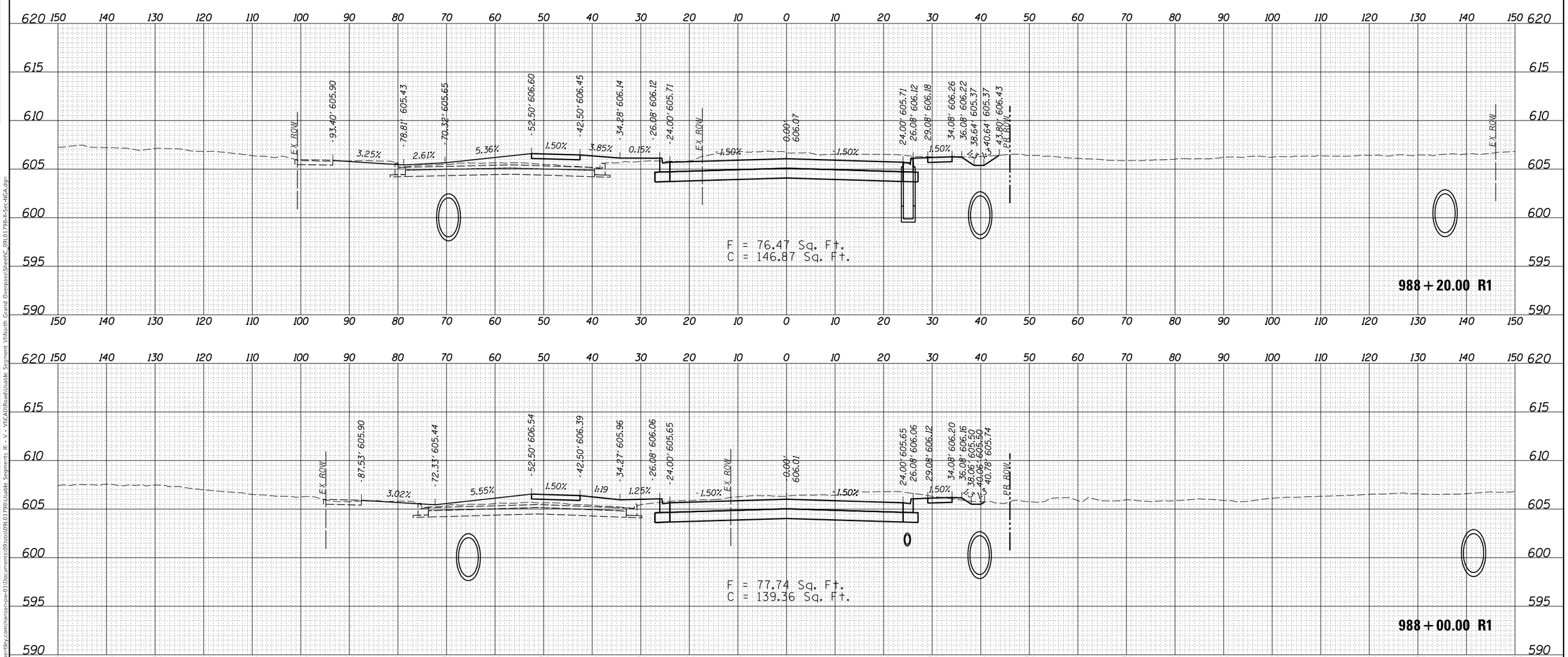
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – NORTH GRAND AVENUE OVERPASS – 5

SCALE: | SHEET 5 OF 45 SHEETS | STA. 987+00.00 R1 TO STA. 987+50.00 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720	00492-00-BR & 22-00492-01-BR	SANGAMON	714	540
	09L0179B	CONTRACT NO. 93773		
	ILLINOIS	FED. AID PROJECT		



FINAL PLANS

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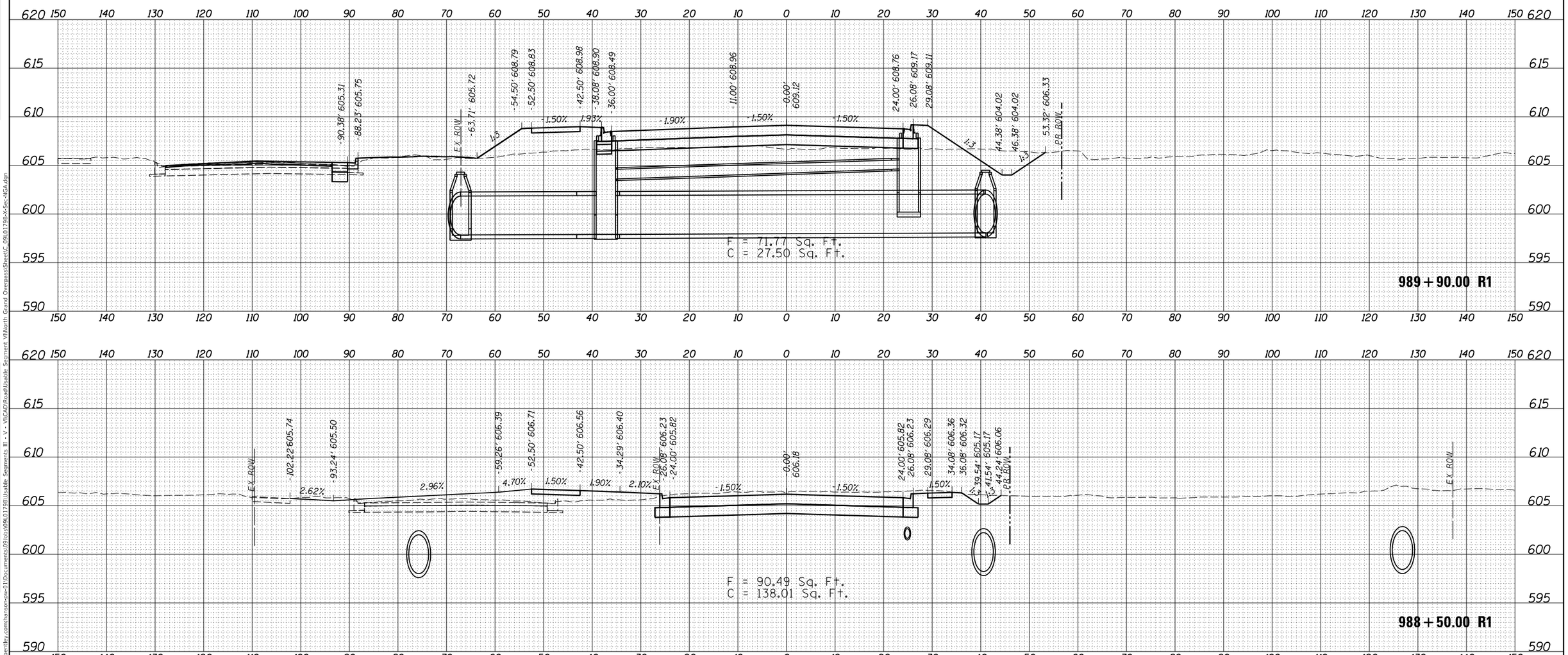
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – NORTH GRAND AVENUE OVERPASS – 6

SCALE: | SHEET 6 OF 45 SHEETS | STA. 988+00.00 R1 TO STA. 988+20.00 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720	00492-00-BR & 22-00492-01-BR	SANGAMON	714	541
	09L0179B	CONTRACT NO. 93773		
	ILLINOIS	FED. AID PROJECT		



FINAL PLANS

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USER NAME = pop00275	DESIGNED - DJP	REVISED -	
	DRAWN - RH	REVISED -	
PLOT SCALE = 20.00 ' / in.	CHECKED - MNM	REVISED -	
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

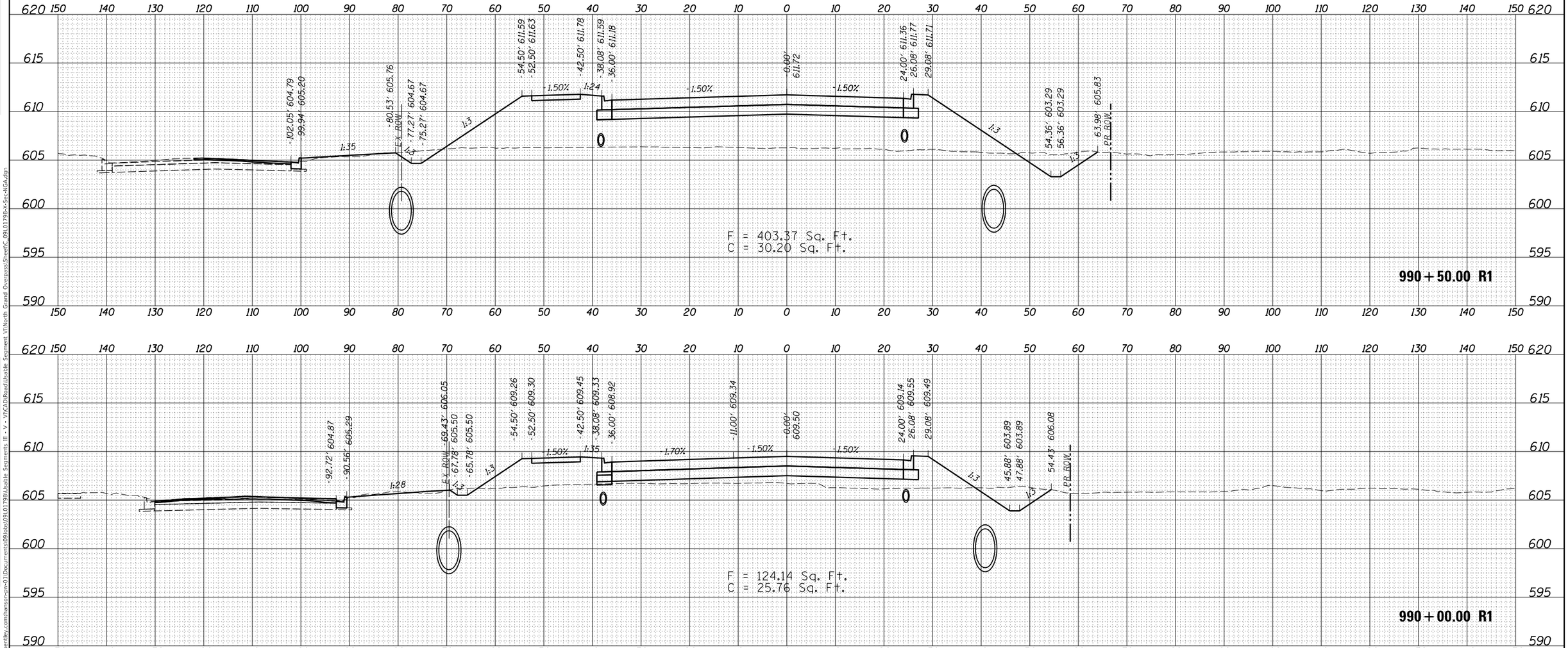
SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – NORTH GRAND AVENUE OVERPASS – 7

SCALE: | SHEET 7 OF 45 SHEETS | STA. 988+50.00 R1 TO STA. 989+90.00 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720	00492-00-BR & 22-00492-01-BR	SANGAMON	714	542
	09L0179B	CONTRACT NO. 93773		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY

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



ORIGINAL SURVEY

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

FINAL PLANS

MODEL: Sheet8
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USER NAME = pop00275	DESIGNED - DJP	REVISED -
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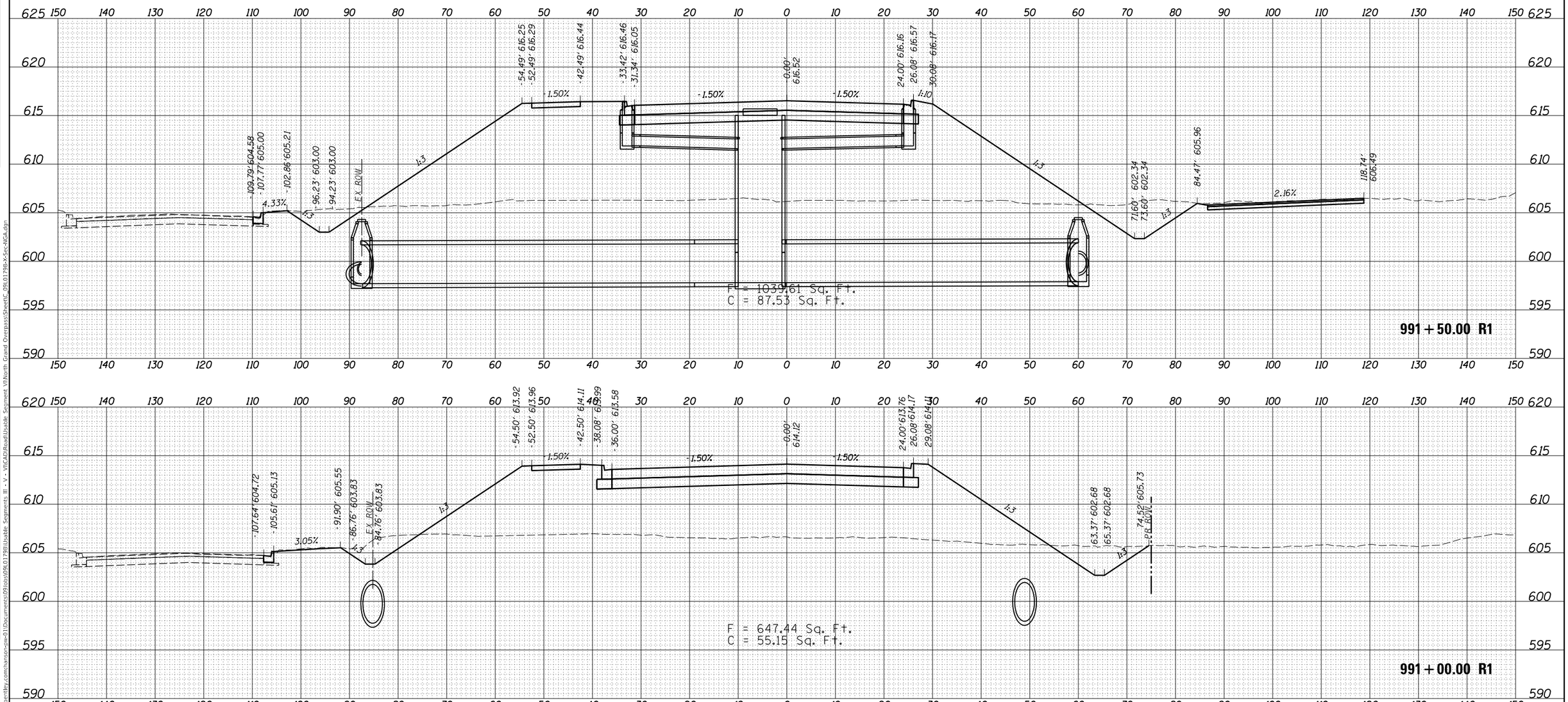
PLOT SCALE = 20.00 ' / in.	CHECKED - MNM	REVISED -
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – NORTH GRAND AVENUE OVERPASS – 8

SCALE: | SHEET 8 OF 45 SHEETS | STA. 990+00.00 R1 TO STA. 990+50.00 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720-00492-00-BR & 22-00492-01-BR		SANGAMON	714	543
	09L0179B	CONTRACT NO. 93773		
		ILLINOIS	FED. AID PROJECT	



FINAL PLANS

MODEL: Sheet9
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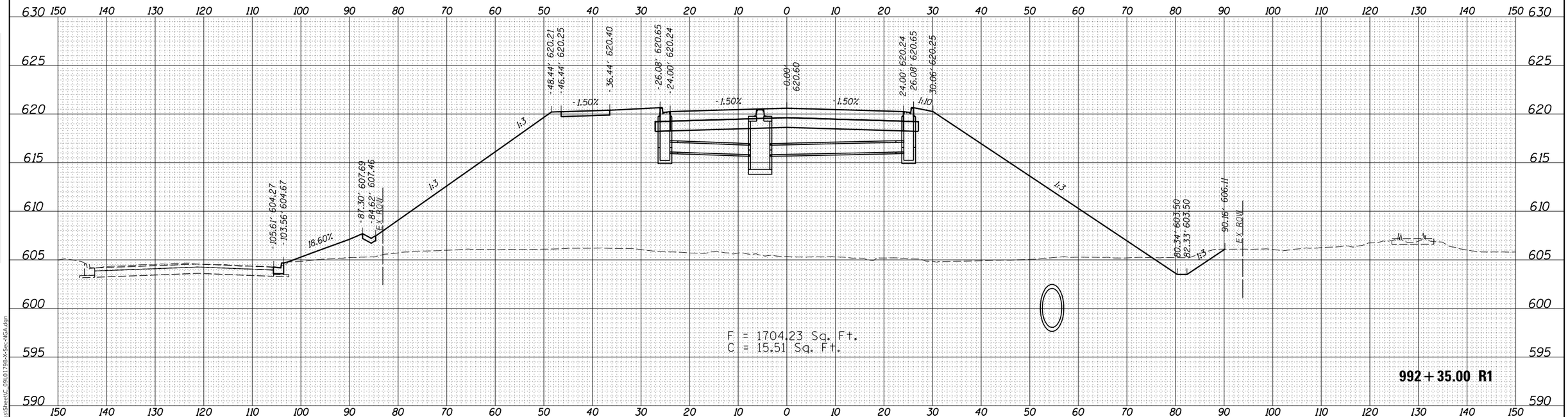
USER NAME = pop00275	DESIGNED - DJP	REVISED -
	DRAWN - RH	REVISED -
PLOT SCALE = 20.00 ' / in.	CHECKED - MNM	REVISED -
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -

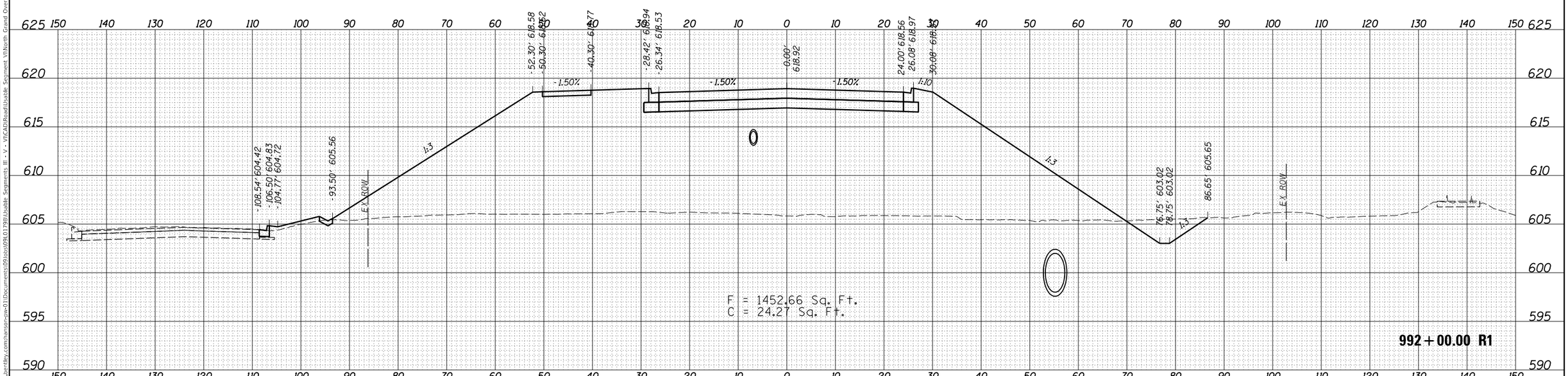
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – NORTH GRAND AVENUE OVERPASS – 9

SCALE: | SHEET 9 OF 45 SHEETS | STA. 991+00.00 R1 TO STA. 991+50.00 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720-00492-00-BR & 22-00492-01-BR		SANGAMON	714	544
	09L0179B	CONTRACT NO. 93773		
	ILLINOIS FED. AID PROJECT			





FINAL PLANS

MODEL: Sheet10
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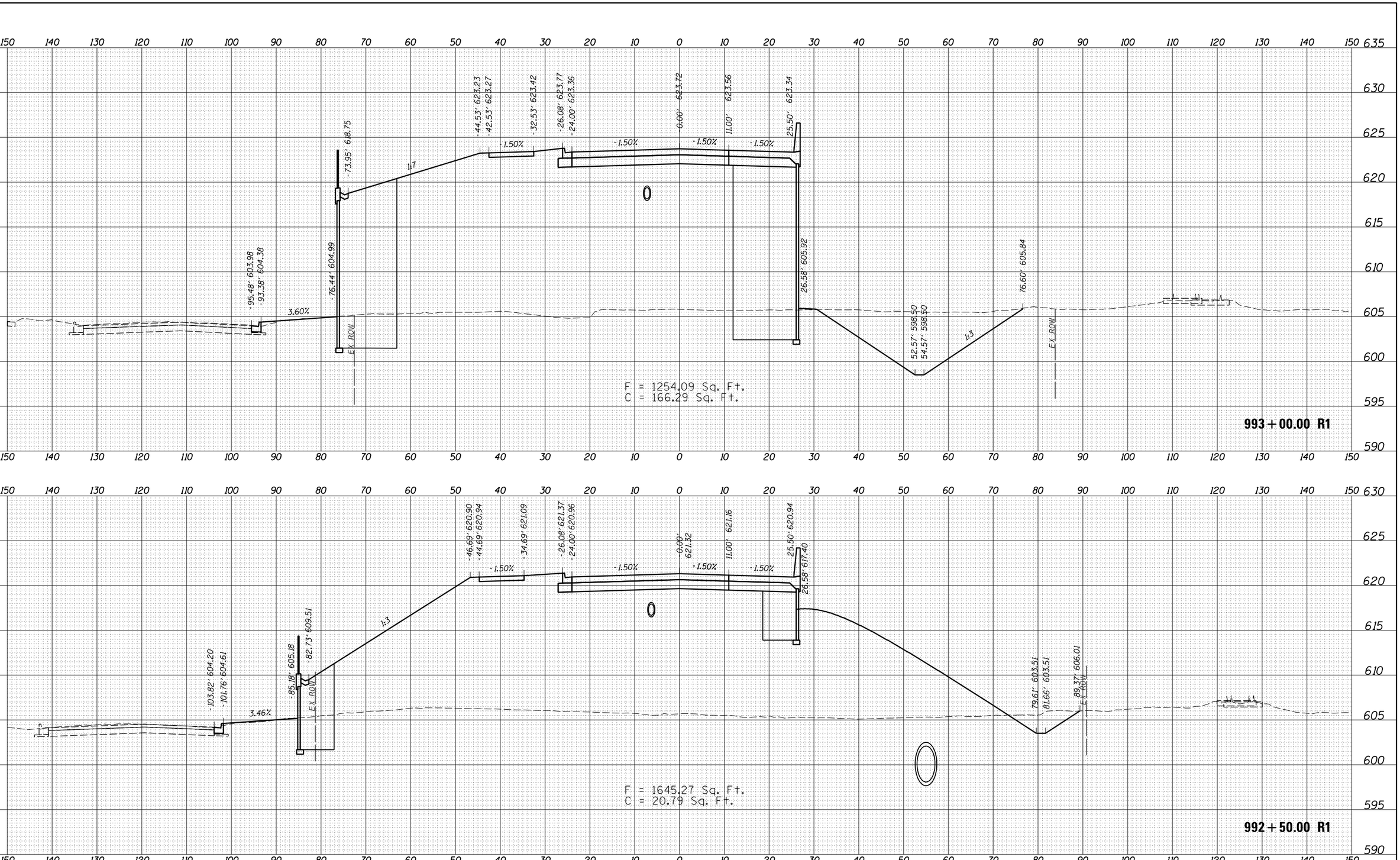
USER NAME = pop00275	DESIGNED - DJP	REVISED -	
	DRAWN - RH	REVISED -	
PLOT SCALE = 20.00 ' / in.	CHECKED - MNM	REVISED -	
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – NORTH GRAND AVENUE OVERPASS – 10

SCALE: | SHEET 10 OF 45 SHEETS | STA. 992+00.00 R1 TO STA. 992+35.00 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720	00492-00-BR & 22-00492-01-BR	SANGAMON	714	545
	09L0179B	CONTRACT NO. 93773		
		ILLINOIS	FED. AID PROJECT	



FINAL PLANS

MODEL: Sheet11
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USER NAME = pop00275	DESIGNED - DJP	REVISED -	
	DRAWN - RH	REVISED -	
PLOT SCALE = 20.00 ' / in.	CHECKED - MNM	REVISED -	
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

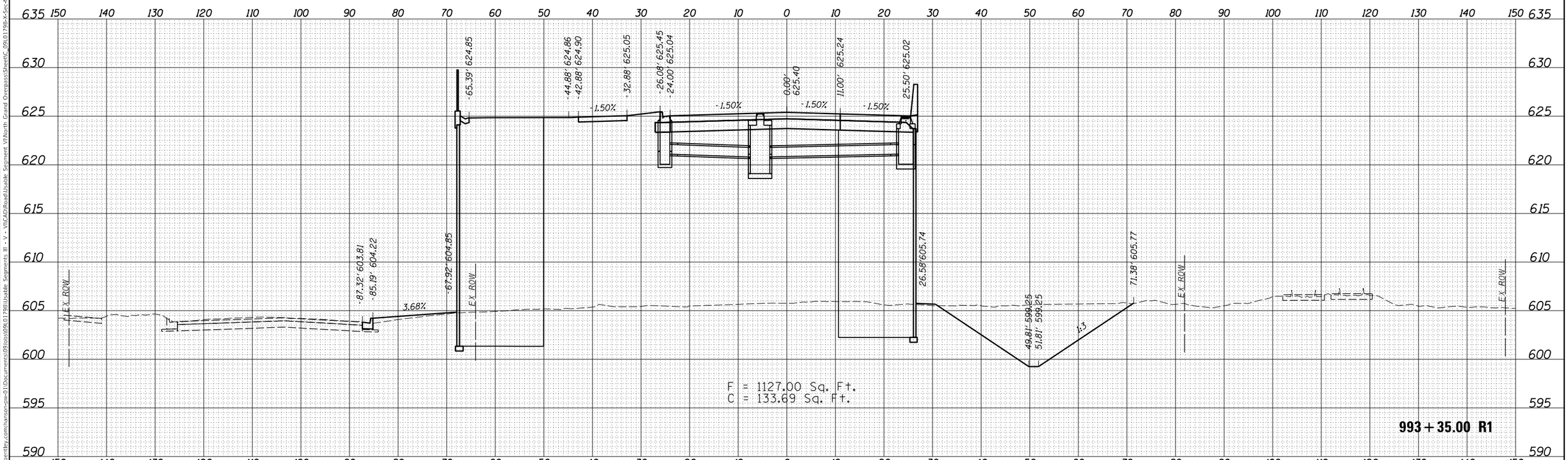
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – NORTH GRAND AVENUE OVERPASS – 11

SCALE: | SHEET 11 OF 45 SHEETS | STA. 992+50.00 R1 TO STA. 993+00.00 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720	00492-00-BR & 22-00492-01-BR	SANGAMON	714	546
	09L0179B	CONTRACT NO. 93773		
	ILLINOIS	FED. AID PROJECT		

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



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	DRAWN - RH	REVISED -	
PLOT SCALE = 20.00 ' / in.	CHECKED - MNM	REVISED -	
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – NORTH GRAND AVENUE OVERPASS – 12

SCALE: | SHEET 12 OF 45 SHEETS | STA. 993+35.00 R1 TO STA. 993+35.00 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720	00492-00-BR & 22-00492-01-BR	SANGAMON	714	547
	09L0179B	CONTRACT NO. 93773		
		ILLINOIS	FED. AID PROJECT	

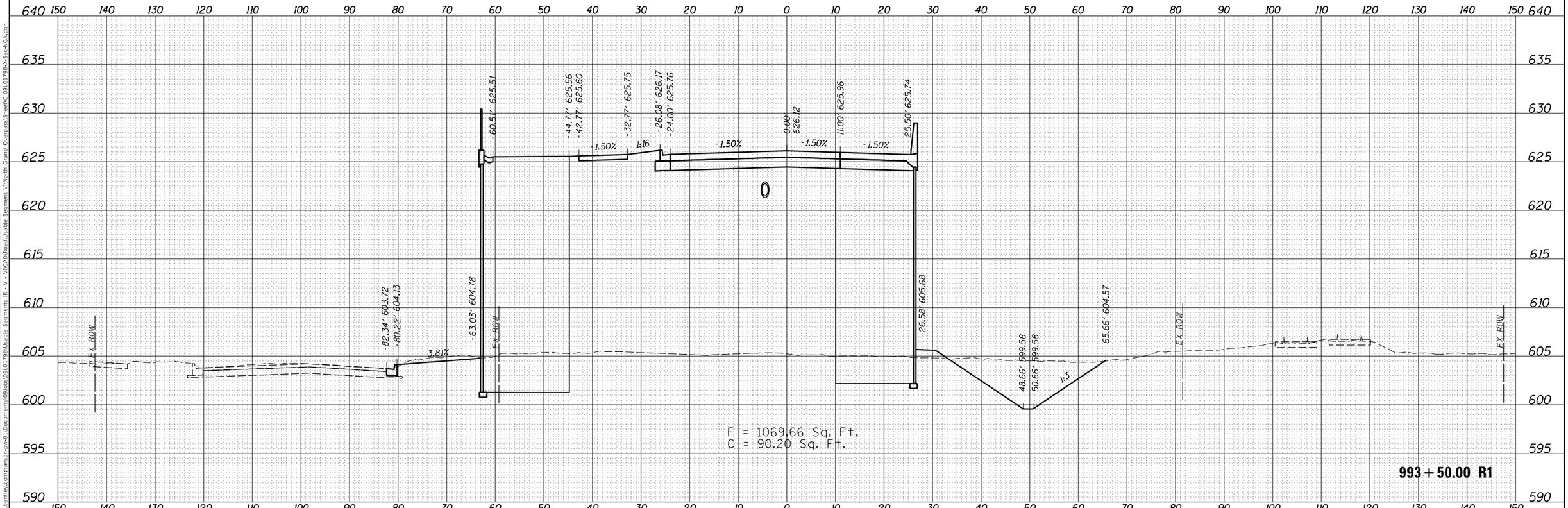
FINAL SURVEY | NOTE BOOK NO. | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED | BY | DATE

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

FINAL PLANS

MODEL: Sheet12
FILE NAME: pw:\\hansoninc-pw.bentley.com:hanson-pw-01\Documents\09Jobs\09L0179B\Usable Segments III - V - VI\CAD\Road\Usable Segment VI\North Grand Overpass\Sheet\C_09L0179B-X-Sec-NGA.dgn

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



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

FINAL PLANS

MODEL: Sheet13
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	DRAWN - RH	REVISED -
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PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – NORTH GRAND AVENUE OVERPASS – 13

SCALE: | SHEET 13 OF 45 SHEETS | STA. 993+50.00 R1 TO STA. 993+50.00 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720	00492-00-BR & 22-00492-01-BR	SANGAMON	714	548
	09L0179B	CONTRACT NO. 93773		
	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY

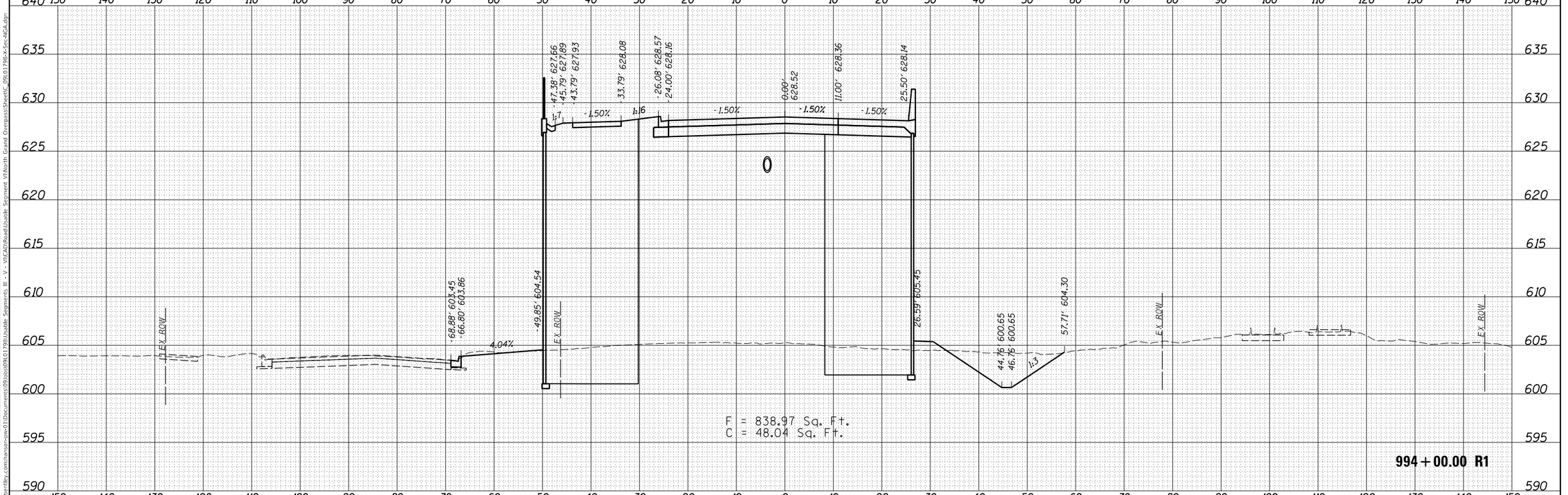
	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

NOTE BOOK
NO.

ORIGINAL SURVEY

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

NOTE BOOK
NO.



FINAL PLANS

MODEL: Sheet14
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USER NAME = pop00275	DESIGNED - DJP	REVISED -	
	DRAWN - RH	REVISED -	
PLOT SCALE = 20.00 ' / in.	CHECKED - MNM	REVISED -	
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

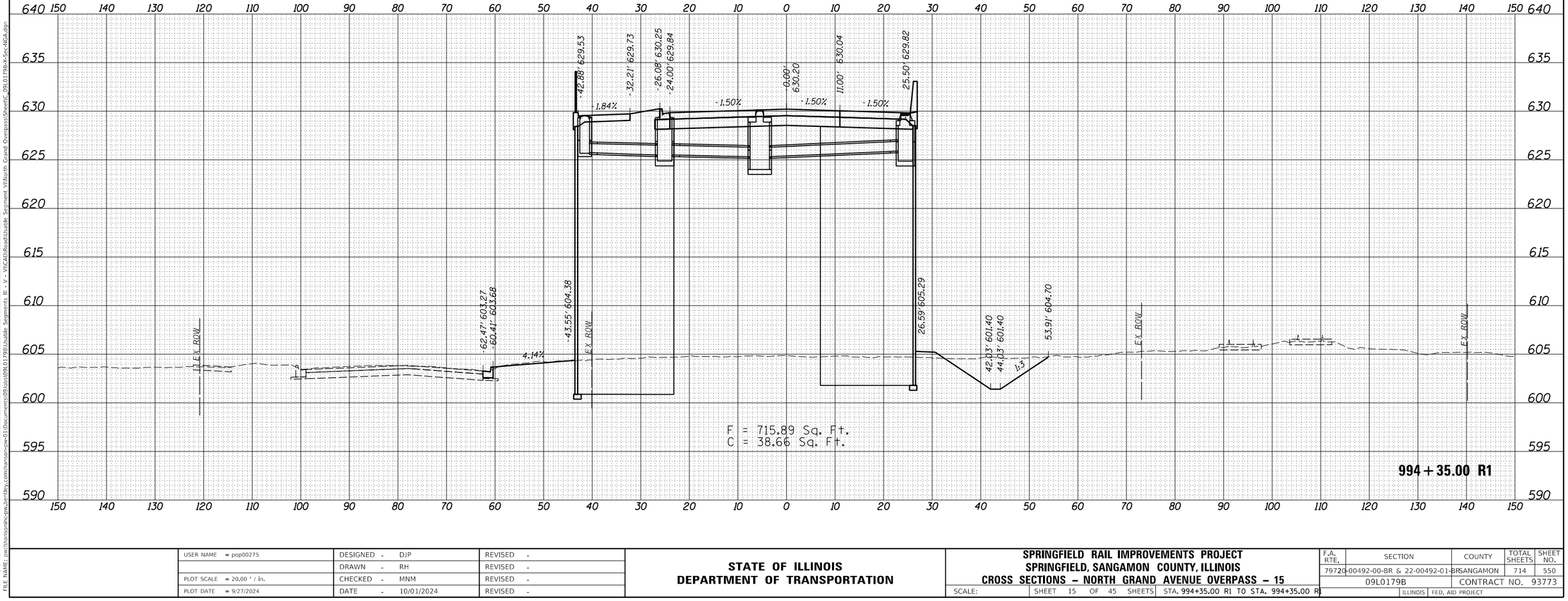
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – NORTH GRAND AVENUE OVERPASS – 14

SCALE: | SHEET 14 OF 45 SHEETS | STA. 994+00.00 R1 TO STA. 994+00.00 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720	00492-00-BR & 22-00492-01-BR	SANGAMON	714	549
	09L0179B	CONTRACT NO. 93773		
	ILLINOIS	FED. AID PROJECT		

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



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

FINAL PLANS

MODEL: Sheet15
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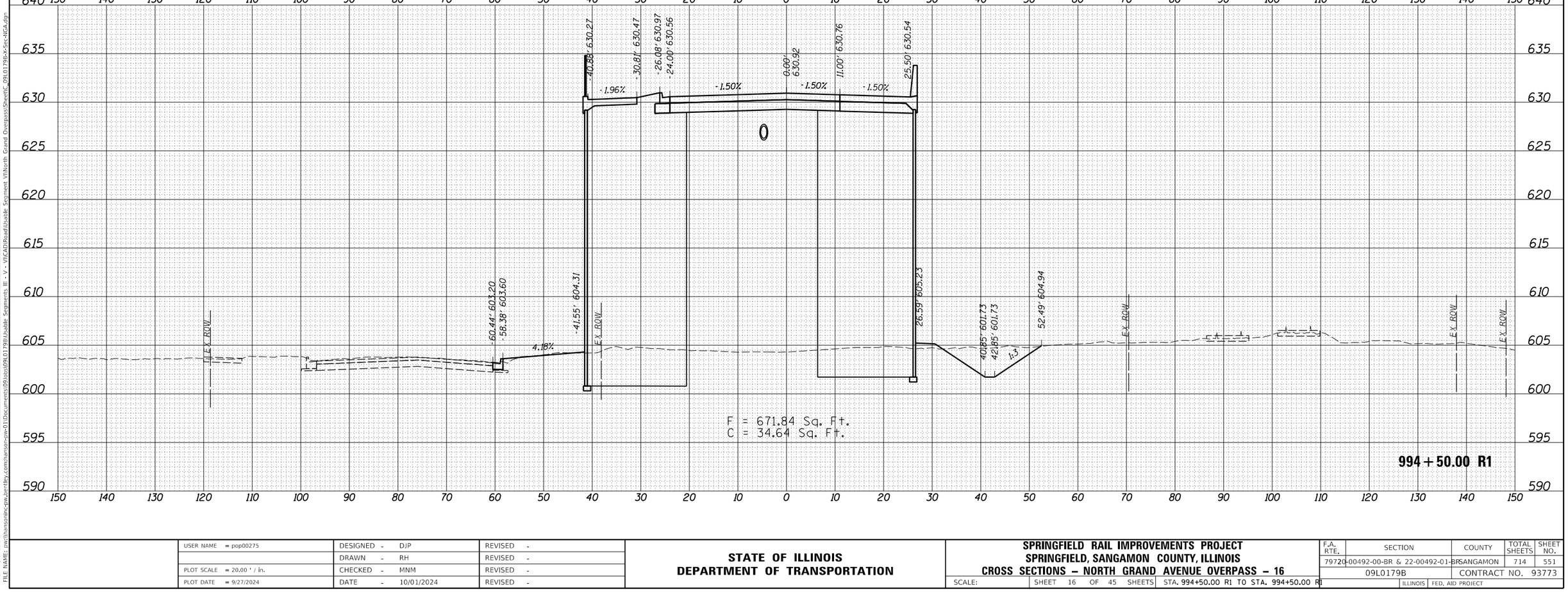
PLOT SCALE = 20.00 ' / in.	CHECKED - MNM	REVISED -	
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – NORTH GRAND AVENUE OVERPASS – 15

SCALE: | SHEET 15 OF 45 SHEETS | STA. 994+35.00 R1 TO STA. 994+35.00 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720	00492-00-BR & 22-00492-01-BR	SANGAMON	714	550
	09L0179B	CONTRACT NO. 93773		
	ILLINOIS FED. AID PROJECT			



FINAL PLANS

MODEL: Sheet16

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PLOT SCALE = 20.00 ' / in.	CHECKED - MNM	REVISED -	
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – NORTH GRAND AVENUE OVERPASS – 16

SCALE: | SHEET 16 OF 45 SHEETS | STA. 994+50.00 R1 TO STA. 994+50.00 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720-00492-00-BR & 22-00492-01-BR		SANGAMON	714	551
09L0179B		CONTRACT NO. 93773		
	ILLINOIS	FED. AID PROJECT		

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

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

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

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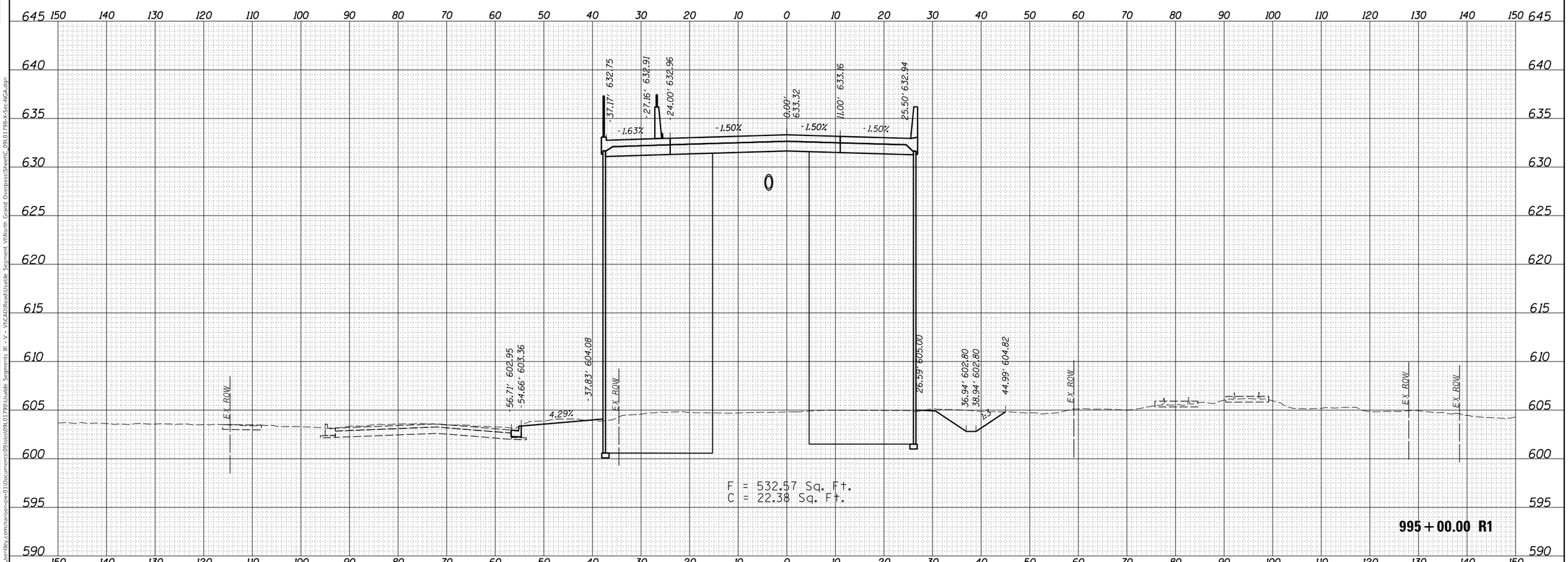
	AREAS		
	AREAS CHECKED		



FINAL PLANS

MODEL: Sheet17
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USER NAME = pop00275	DESIGNED - DJP	REVISED -	
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PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

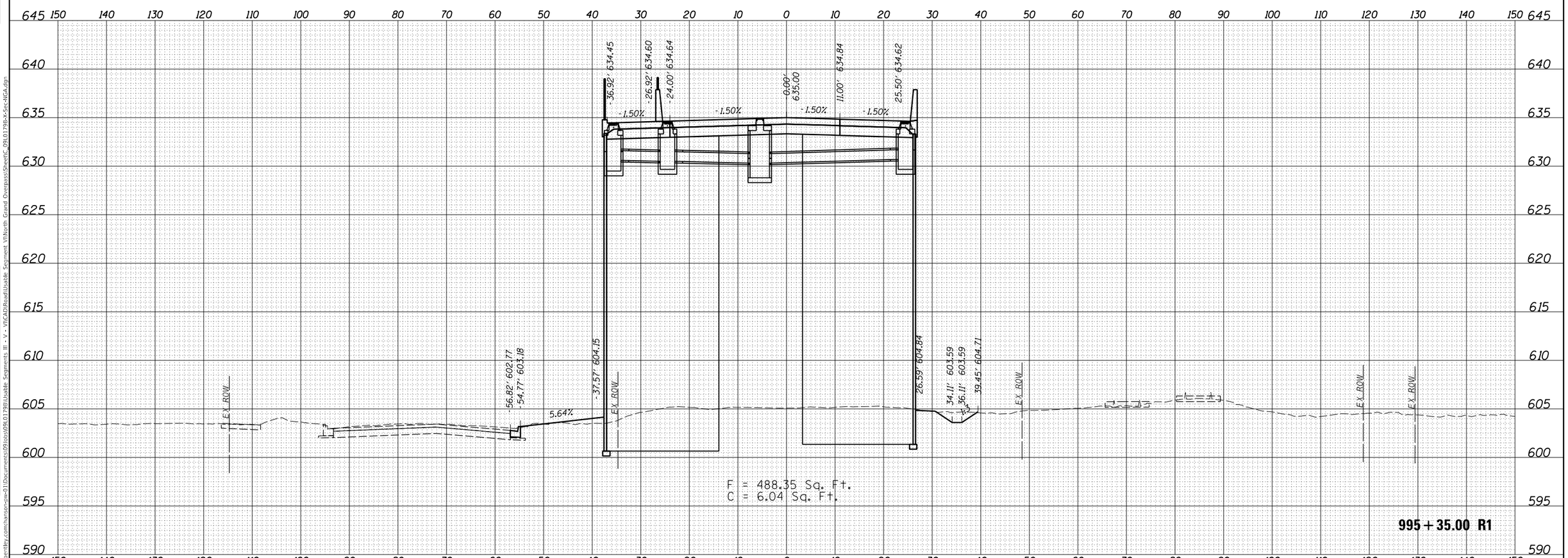
SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – NORTH GRAND AVENUE OVERPASS – 17

SCALE: | SHEET 17 OF 45 SHEETS | STA. 995+00.00 R1 TO STA. 995+00.00 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720	00492-00-BR & 22-00492-01-BR	SANGAMON	714	552
	09L0179B	CONTRACT NO. 93773		
	ILLINOIS	FED. AID PROJECT		

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

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



FINAL PLANS

MODEL: Sheet 18
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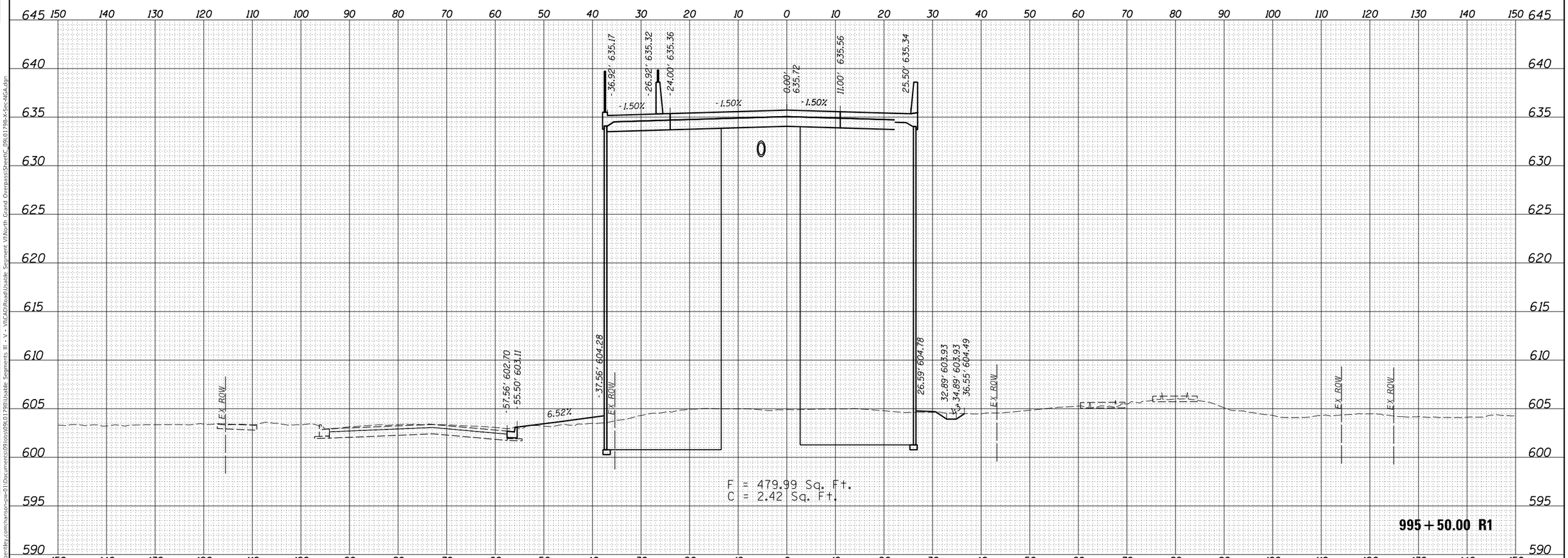
	DRAWN - RH	REVISED -	**DEPARTMENT OF TRANSPORTATION**	**SPRINGFIELD, SANGAMON COUNTY, ILLINOIS**	
PLOT SCALE = 20.00 ' / in.	CHECKED - MNM	REVISED -		**CROSS SECTIONS – NORTH GRAND AVENUE OVERPASS – 18**	
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -		SCALE:	SHEET 18 OF 45 SHEETS STA. 995+35.00 R1 TO STA. 995+35.00 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720-00492-00-BR & 22-00492-01-BR		SANGAMON	714	553
09L0179B		CONTRACT NO. 93773		
ILLINOIS	FED. AID PROJECT			



FINAL PLANS

MODEL: Sheet19
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USER NAME = pop00275	DESIGNED - DJP	REVISED -	
	DRAWN - RH	REVISED -	
PLOT SCALE = 20.00 ' / in.	CHECKED - MNM	REVISED -	
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – NORTH GRAND AVENUE OVERPASS – 19

SCALE: | SHEET 19 OF 45 SHEETS | STA. 995+50.00 R1 TO STA. 995+50.00 R1

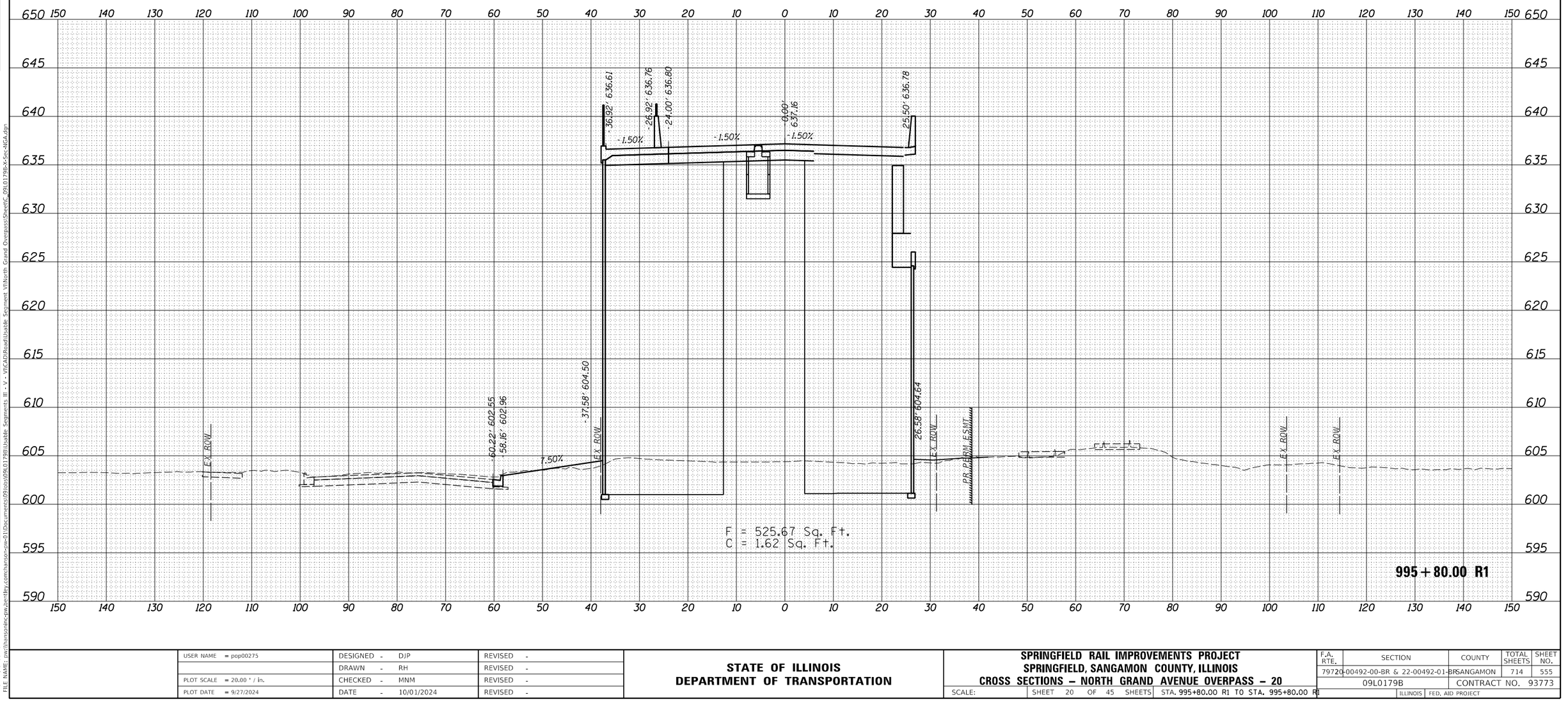
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720	00492-00-BR & 22-00492-01-BR	SANGAMON	714	554
	09L0179B	CONTRACT NO. 93773		
		ILLINOIS	FED. AID PROJECT	

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

BY	DATE

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

BY	DATE



FINAL PLANS

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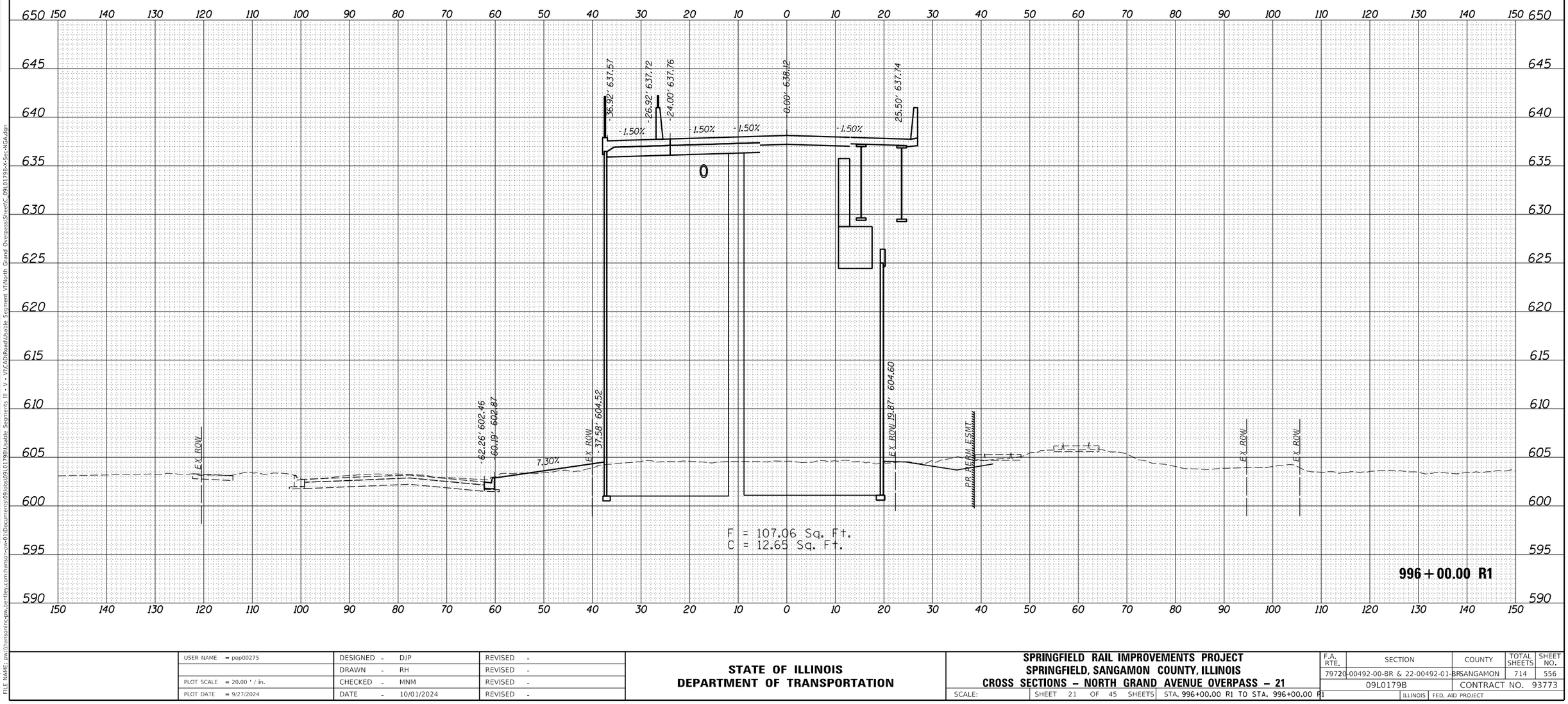
USER NAME = pop00275	DESIGNED - DJP	REVISED -	
	DRAWN - RH	REVISED -	
PLOT SCALE = 20.00 ' / in.	CHECKED - MNM	REVISED -	
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – NORTH GRAND AVENUE OVERPASS – 20

SCALE: | SHEET 20 OF 45 SHEETS | STA. 995+80.00 R1 TO STA. 995+80.00 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720	00492-00-BR & 22-00492-01-BR	SANGAMON	714	555
	09L0179B	CONTRACT NO. 93773		
	ILLINOIS FED. AID PROJECT			



FINAL PLANS

MODEL: Sheet21
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USER NAME = pop00275	DESIGNED - DJP	REVISED -	**STATE OF ILLINOIS** **DEPARTMENT OF TRANSPORTATION**
	DRAWN - RH	REVISED -	
PLOT SCALE = 20.00 ' / in.	CHECKED - MNM	REVISED -	
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

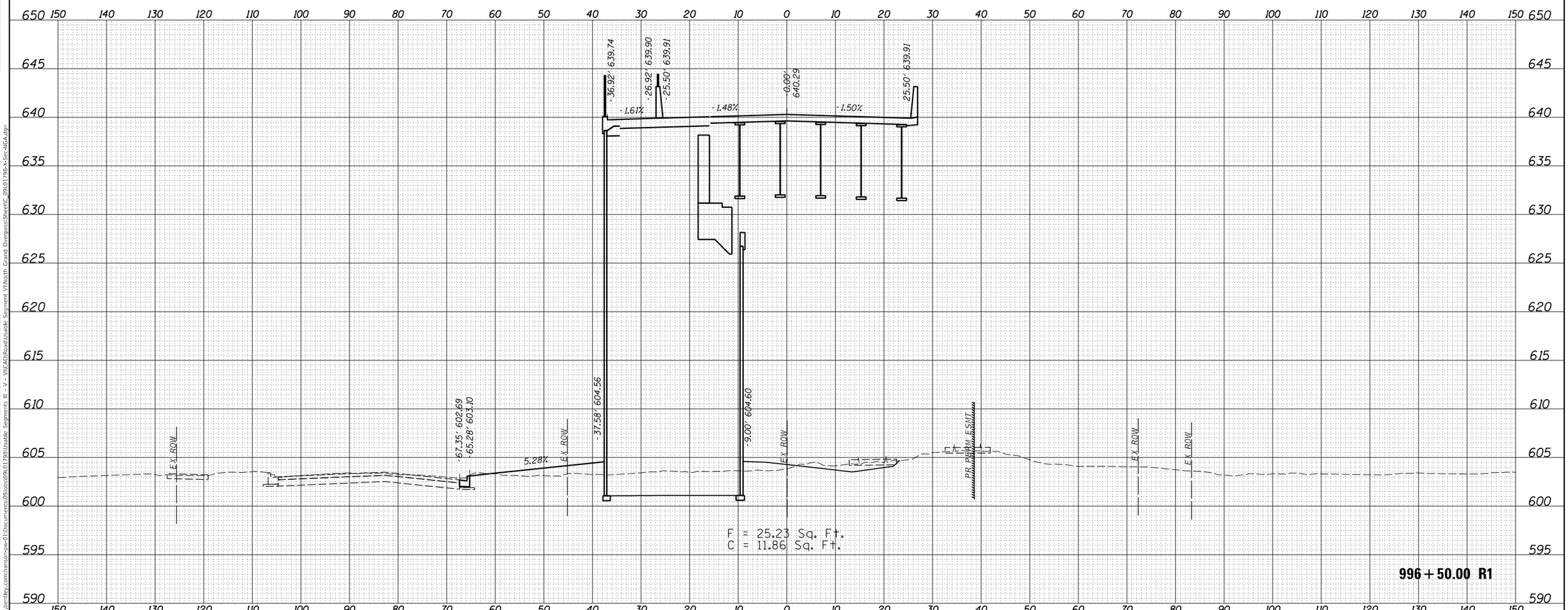
SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – NORTH GRAND AVENUE OVERPASS – 21

SCALE: | SHEET 21 OF 45 SHEETS | STA. 996+00.00 R1 TO STA. 996+00.00 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720	00492-00-BR & 22-00492-01-BR	SANGAMON	714	556
	09L0179B	CONTRACT NO. 93773		
	ILLINOIS	FED. AID PROJECT		

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

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



FINAL PLANS

MODEL: Sheet22

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USER NAME = pop00275	DESIGNED - DJP	REVISED -	
	DRAWN - RH	REVISED -	
PLOT SCALE = 20.00 ' / in.	CHECKED - MNM	REVISED -	
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

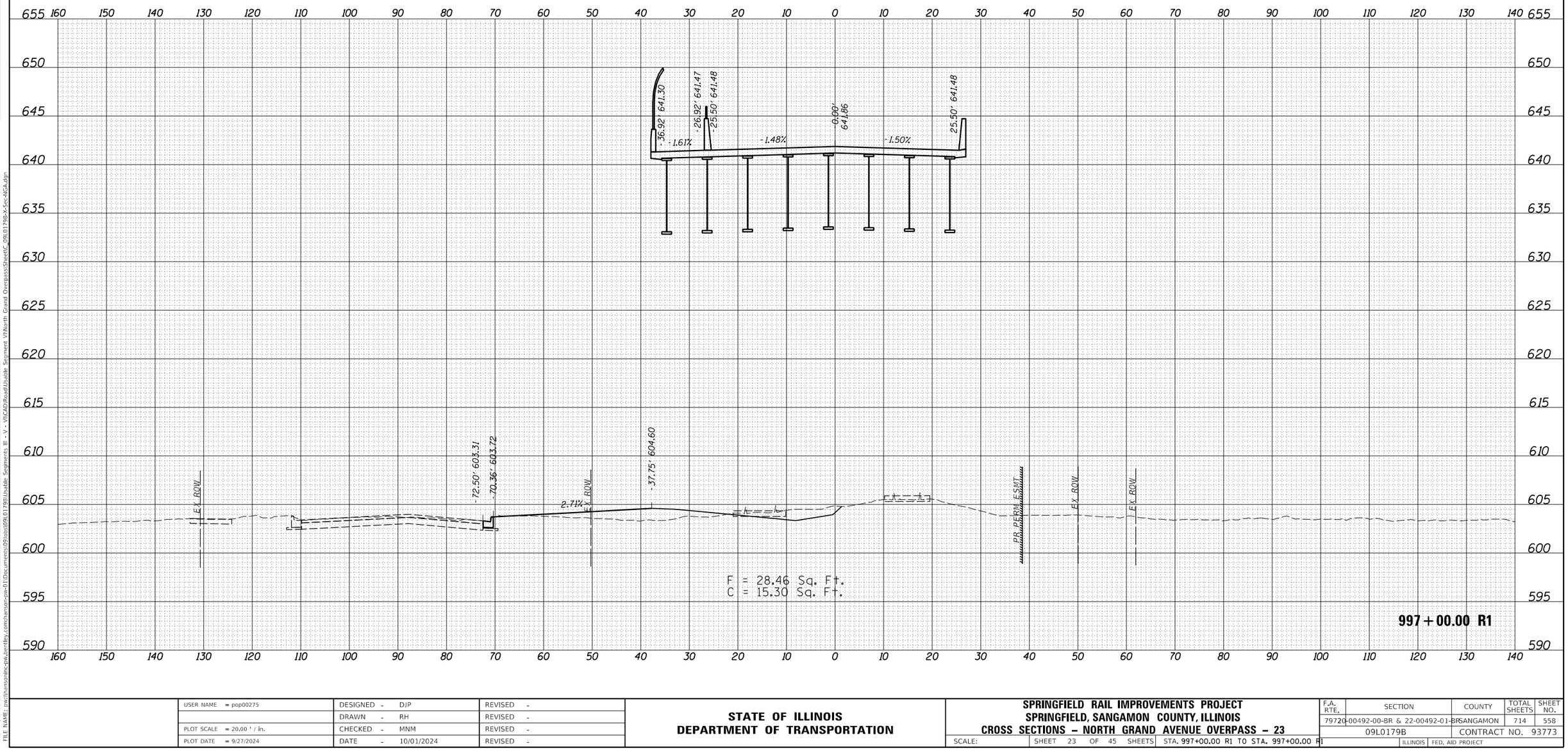
SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – NORTH GRAND AVENUE OVERPASS – 22

SCALE: | SHEET 22 OF 45 SHEETS | STA. 996+50.00 R1 TO STA. 996+50.00 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720	-00492-00-BR & 22-00492-01-BR	SANGAMON	714	557
	09L0179B	CONTRACT NO. 93773		
		ILLINOIS	FED. AID PROJECT	

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

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



FINAL PLANS
MODEL: Sheet23
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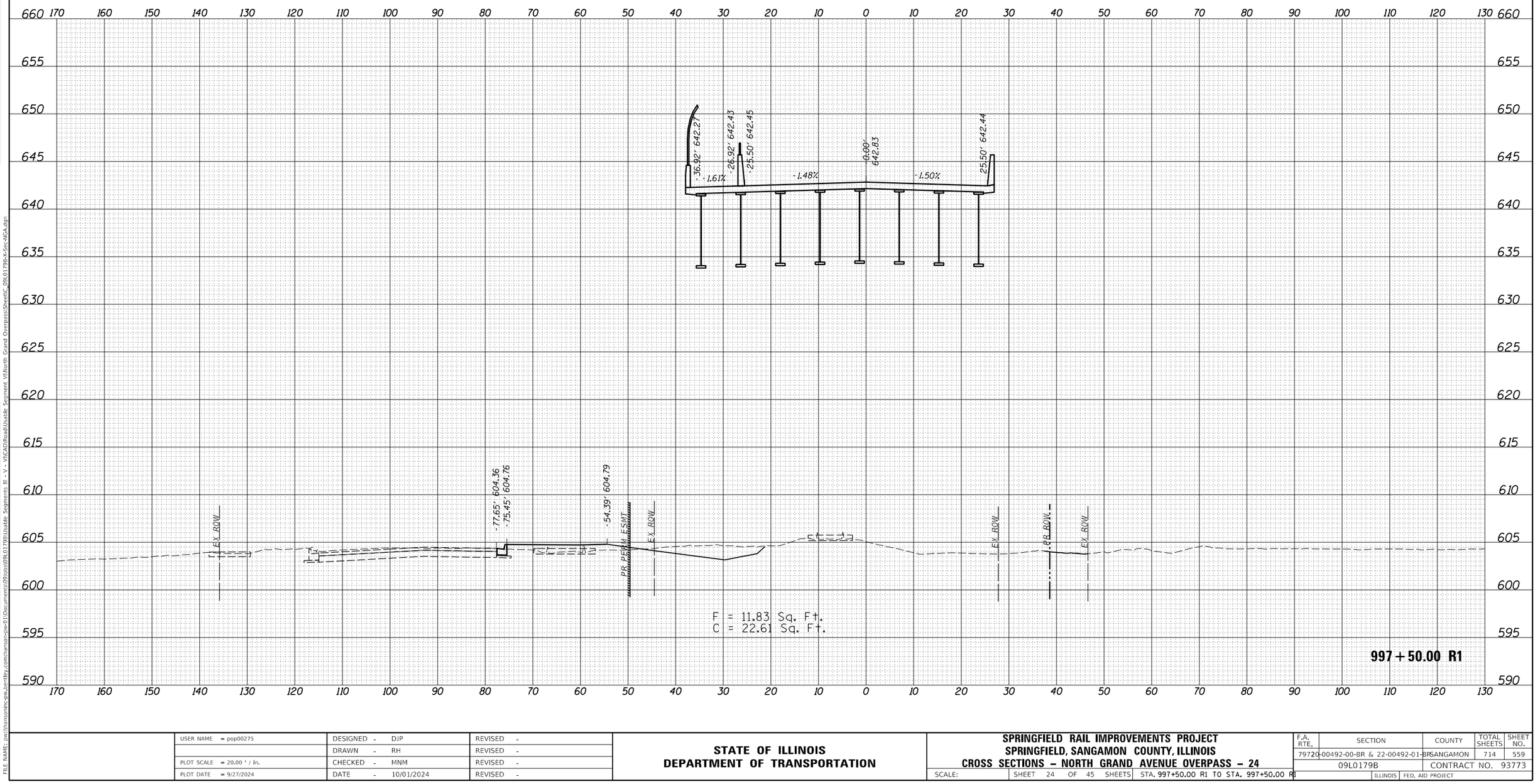
USER NAME = pop00275	DESIGNED - DJP	REVISED -	
	DRAWN - RH	REVISED -	
PLOT SCALE = 20.00 ' / in.	CHECKED - MNM	REVISED -	
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – NORTH GRAND AVENUE OVERPASS – 23

SCALE: | SHEET 23 OF 45 SHEETS | STA. 997+00.00 R1 TO STA. 997+00.00 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720-00492-00-BR & 22-00492-01-BR		SANGAMON	714	558
	09L0179B	CONTRACT NO. 93773		
		ILLINOIS	FED. AID PROJECT	



FINAL PLANS

MODEL: Sheet24

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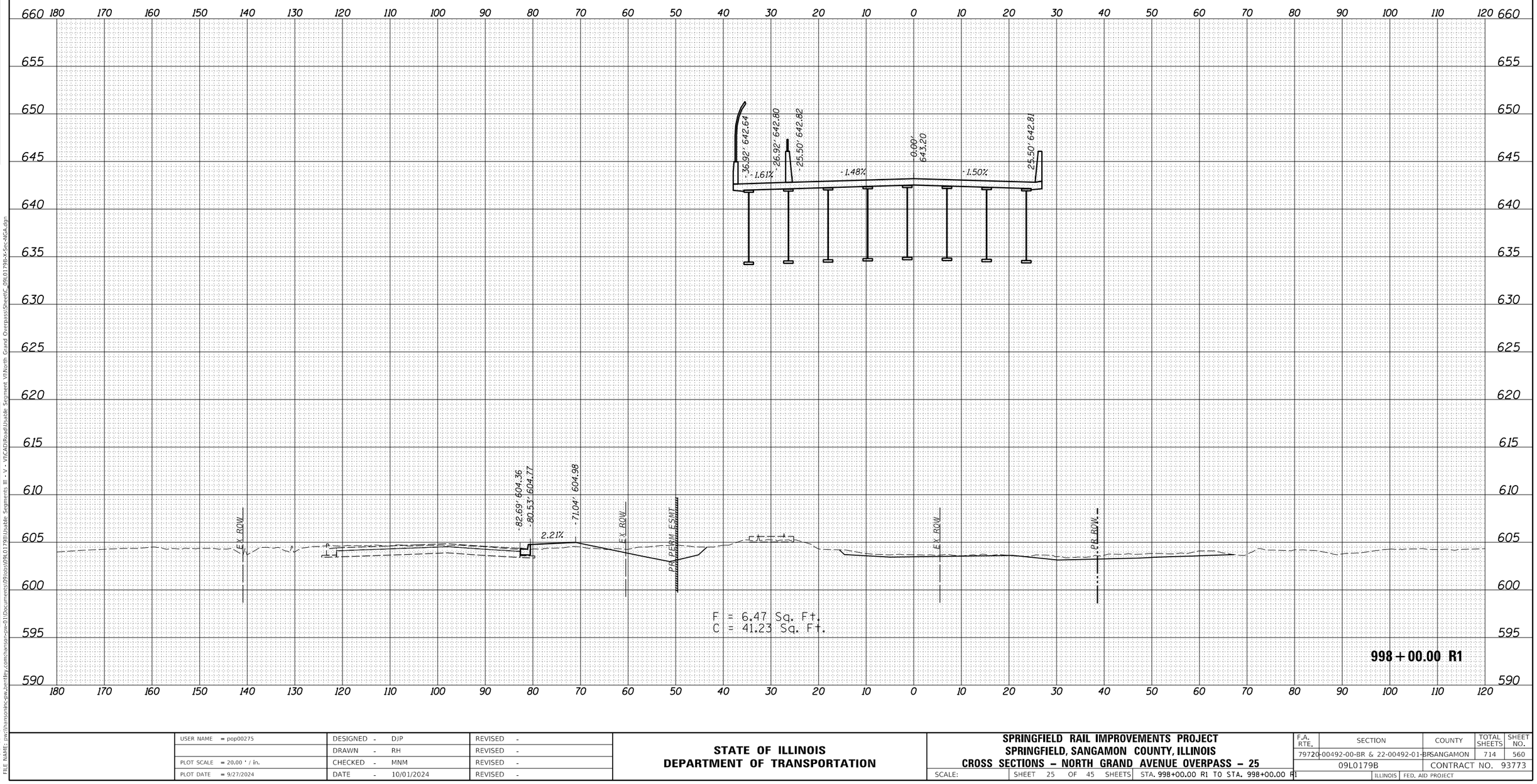
USER NAME = pop00275	DESIGNED - DJP	REVISED -	
	DRAWN - RH	REVISED -	
PLOT SCALE = 20.00 ' / in.	CHECKED - MNM	REVISED -	
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – NORTH GRAND AVENUE OVERPASS – 24

SCALE: | SHEET 24 OF 45 SHEETS | STA. 997+50.00 R1 TO STA. 997+50.00 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720-00492-00-BR & 22-00492-01-BR		SANGAMON	714	559
	09L0179B	CONTRACT NO. 93773		
	ILLINOIS	FED. AID PROJECT		



FINAL PLANS

MODEL: Sheet25
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FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

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

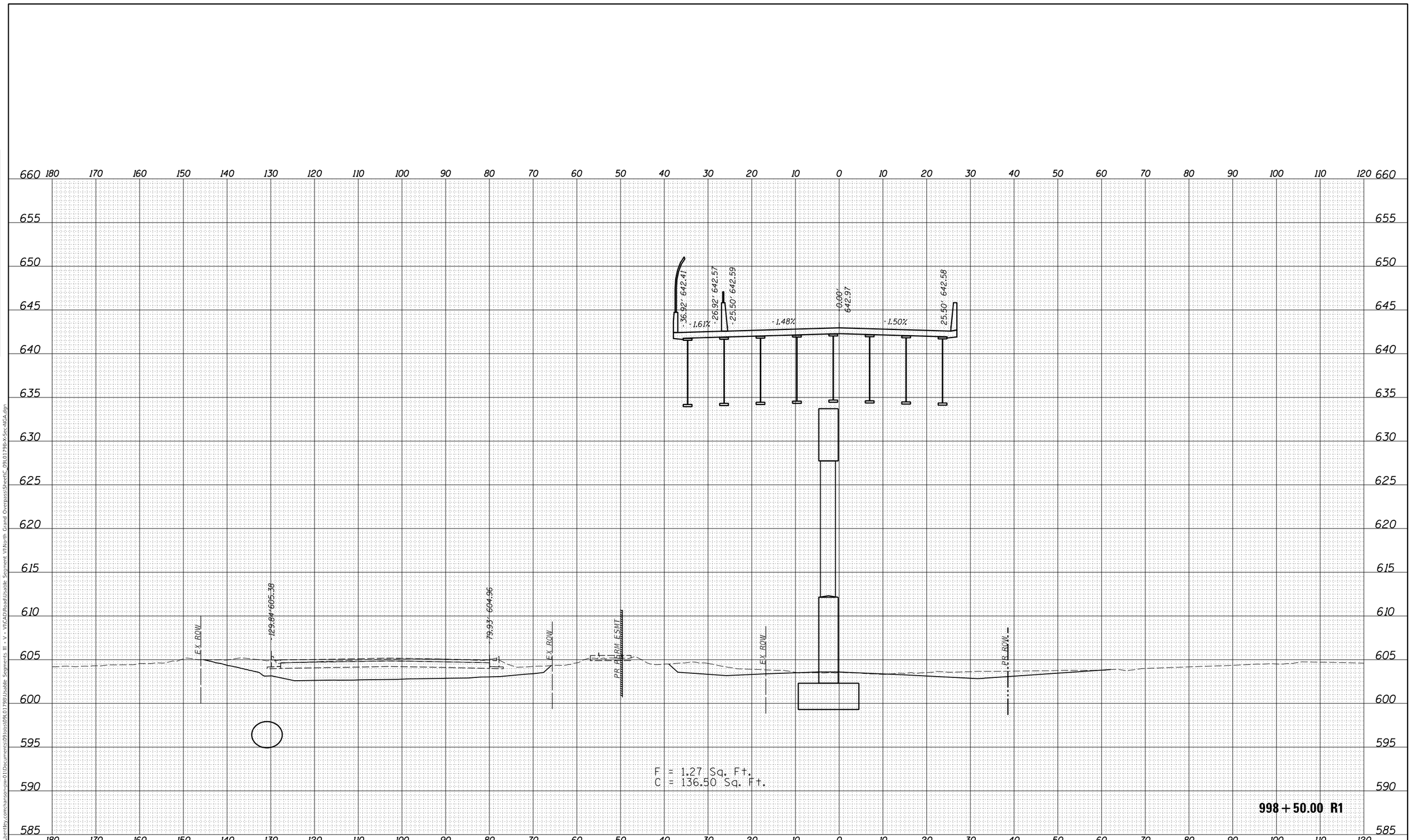
USER NAME = pop00275	DESIGNED - DJP	REVISED -
	DRAWN - RH	REVISED -
PLOT SCALE = 20.00 ' / in.	CHECKED - MNM	REVISED -
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – NORTH GRAND AVENUE OVERPASS – 25

SCALE: | SHEET 25 OF 45 SHEETS | STA. 998+00.00 R1 TO STA. 998+00.00 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720-00492-00-BR & 22-00492-01-BR		SANGAMON	714	560
	09L0179B		CONTRACT NO. 93773	
		ILLINOIS	FED. AID PROJECT	



FINAL PLANS

MODEL: Sheet26
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USER NAME = pop00275	DESIGNED - DJP	REVISED -	
	DRAWN - RH	REVISED -	
PLOT SCALE = 20.00 ' / in.	CHECKED - MNM	REVISED -	
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

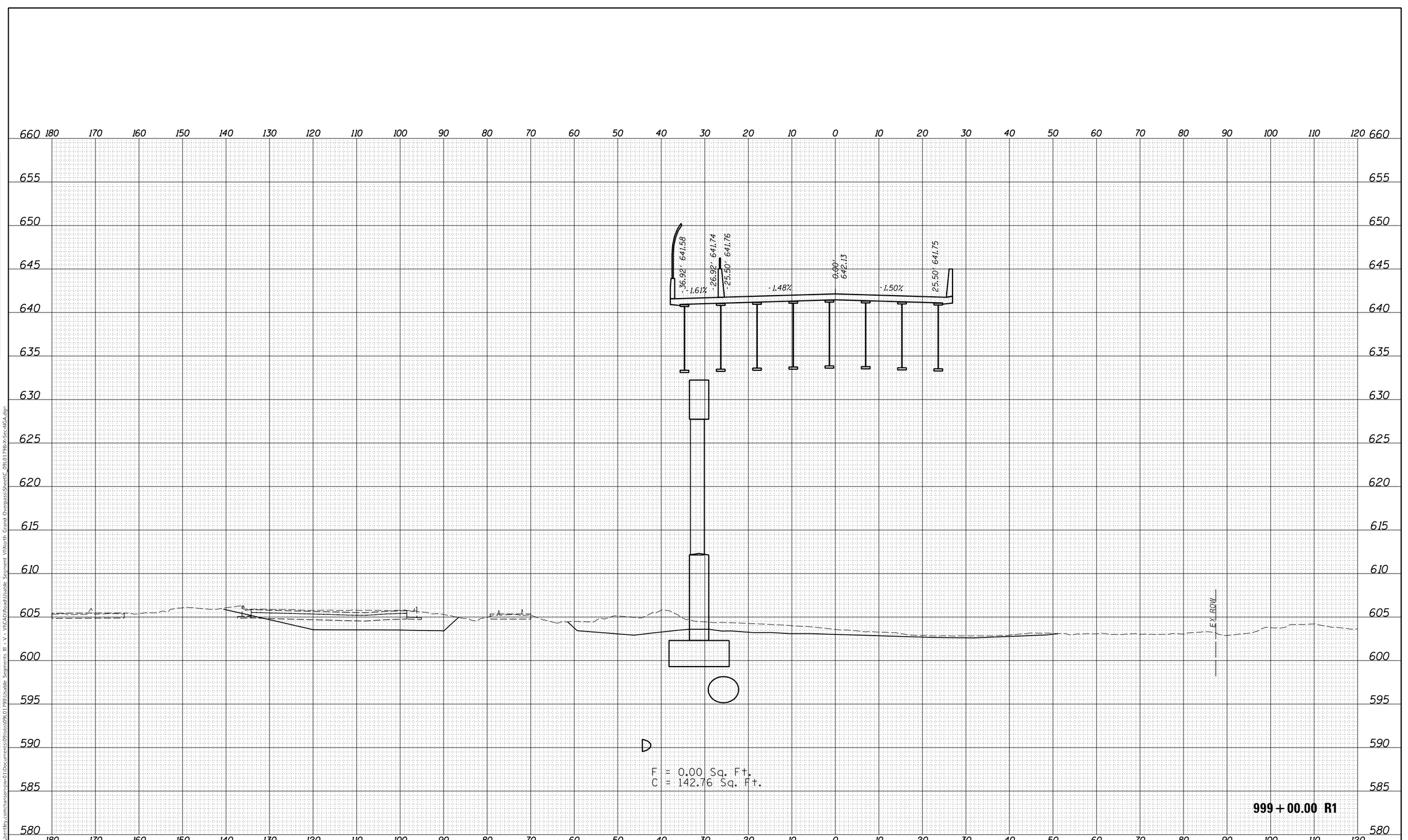
SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – NORTH GRAND AVENUE OVERPASS – 26

SCALE: | SHEET 26 OF 45 SHEETS | STA. 998+50.00 R1 TO STA. 998+50.00 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720	00492-00-BR & 22-00492-01-BR	SANGAMON	714	561
	09L0179B	CONTRACT NO. 93773		
	ILLINOIS	FED. AID PROJECT		

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

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



FINAL PLANS

MODEL: Sheet27
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USER NAME = pop00275	DESIGNED - DJP	REVISED -
	DRAWN - RH	REVISED -
PLOT SCALE = 20.00 ' / in.	CHECKED - MNM	REVISED -
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

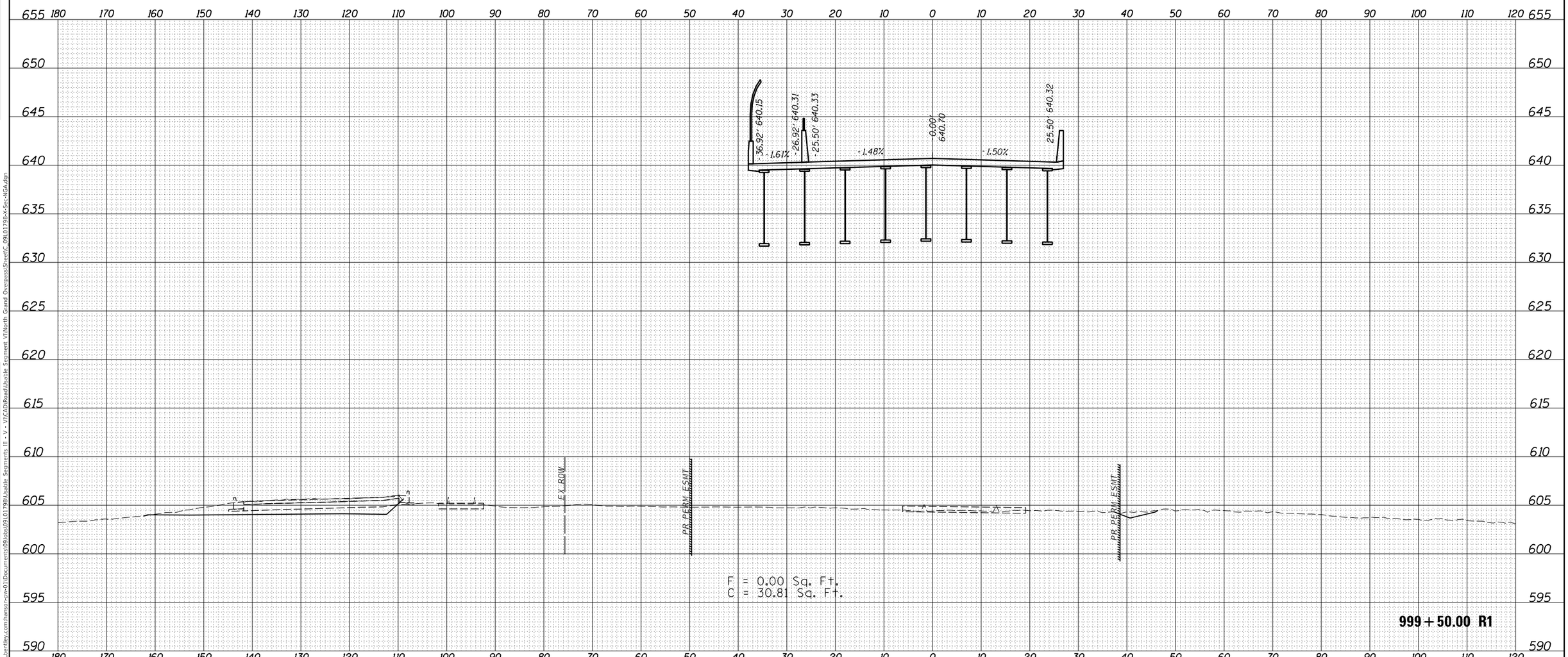
SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – NORTH GRAND AVENUE OVERPASS – 27

SCALE: | SHEET 27 OF 45 SHEETS | STA. 999+00.00 R1 TO STA. 999+00.00 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720	00492-00-BR & 22-00492-01-BR	SANGAMON	714	562
	09L0179B	CONTRACT NO. 93773		
	ILLINOIS	FED. AID PROJECT		

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

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



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

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

FINAL PLANS

MODEL: Sheet28

FILE NAME: pw:\\hansoninc-pw.bentley.com:hanson-pw-01\Documents\09Jobs\09L0179B\Usable Segments III - V - VI\CAD\Road\Usable Segment VI\North Grand Overpass\Sheet\C_09L0179B-X-Sec-NGA.dgn

USER NAME = pop00275	DESIGNED - DJP	REVISED -	
	DRAWN - RH	REVISED -	
PLOT SCALE = 20.00 ' / in.	CHECKED - MNM	REVISED -	
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – NORTH GRAND AVENUE OVERPASS – 28

SCALE: | SHEET 28 OF 45 SHEETS | STA. 999+50.00 R1 TO STA. 999+50.00 R1

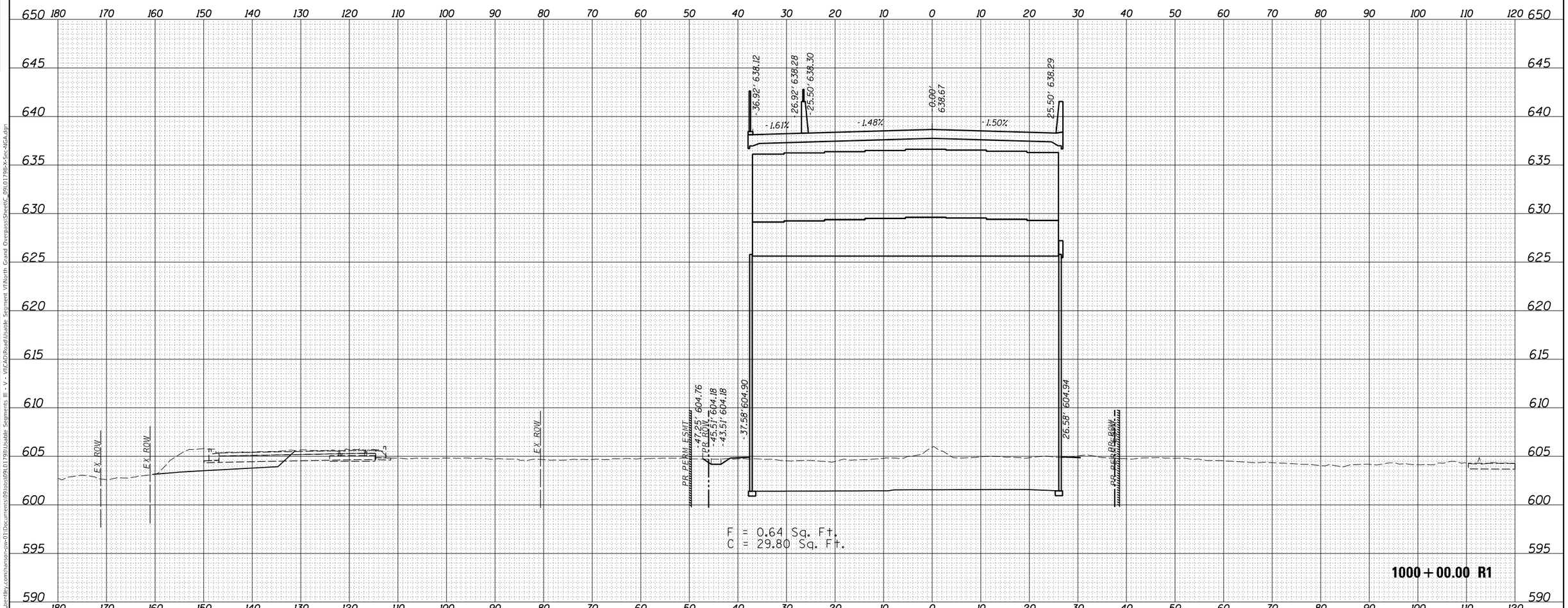
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720	00492-00-BR & 22-00492-01-BR	SANGAMON	714	563
	09L0179B	CONTRACT NO. 93773		
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY

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

ORIGINAL SURVEY

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



FINAL PLANS

MODEL: Sheet29
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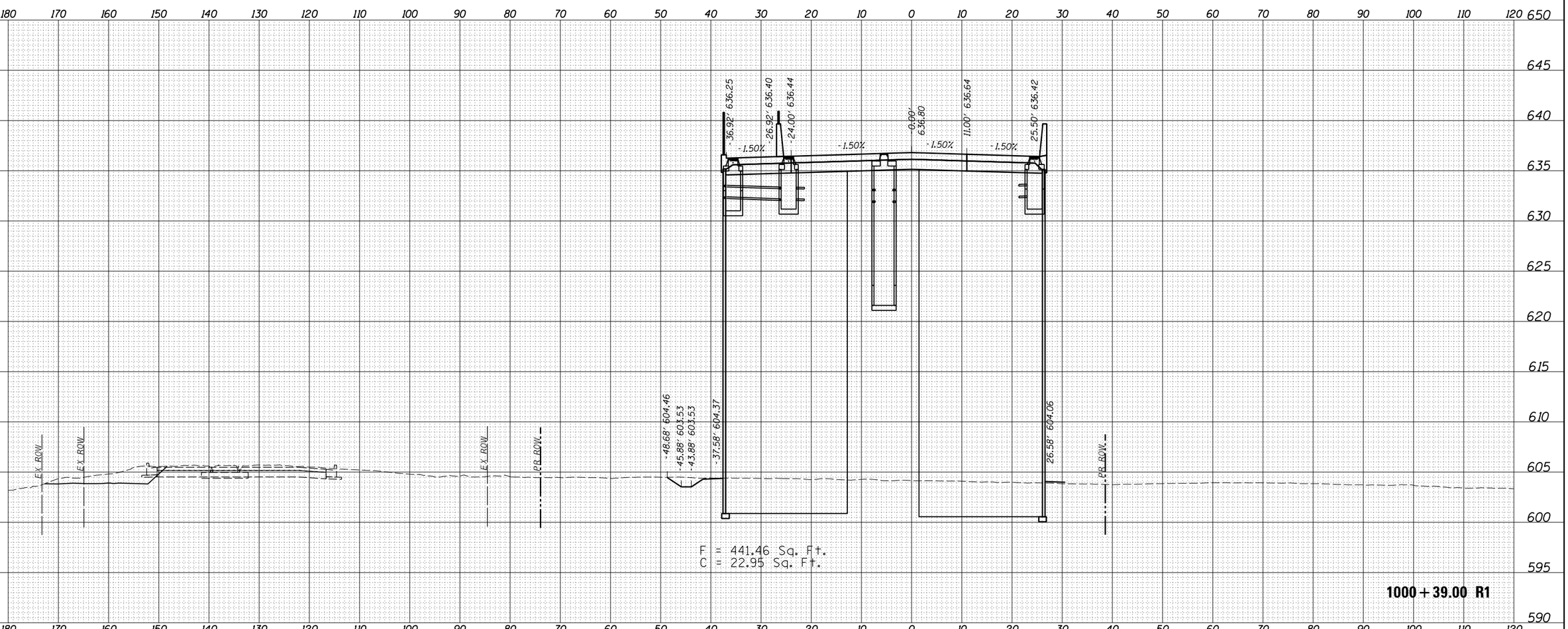
USER NAME = pop00275	DESIGNED - DJP	REVISED -
	DRAWN - RH	REVISED -
PLOT SCALE = 20.00 ' / in.	CHECKED - MNM	REVISED -
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – NORTH GRAND AVENUE OVERPASS – 29

SCALE: | SHEET 29 OF 45 SHEETS | STA. 1000+00.00 R1 TO STA. 1000+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720	00492-00-BR & 22-00492-01-BR	SANGAMON	714	564
	09L0179B	CONTRACT NO. 93773		
R1	ILLINOIS	FED. AID PROJECT		



FINAL PLANS

MODEL: Sheet30

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USER NAME = pop00275	DESIGNED - DJP	REVISED -	
	DRAWN - RH	REVISED -	
PLOT SCALE = 20.00 ' / in.	CHECKED - MNM	REVISED -	
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

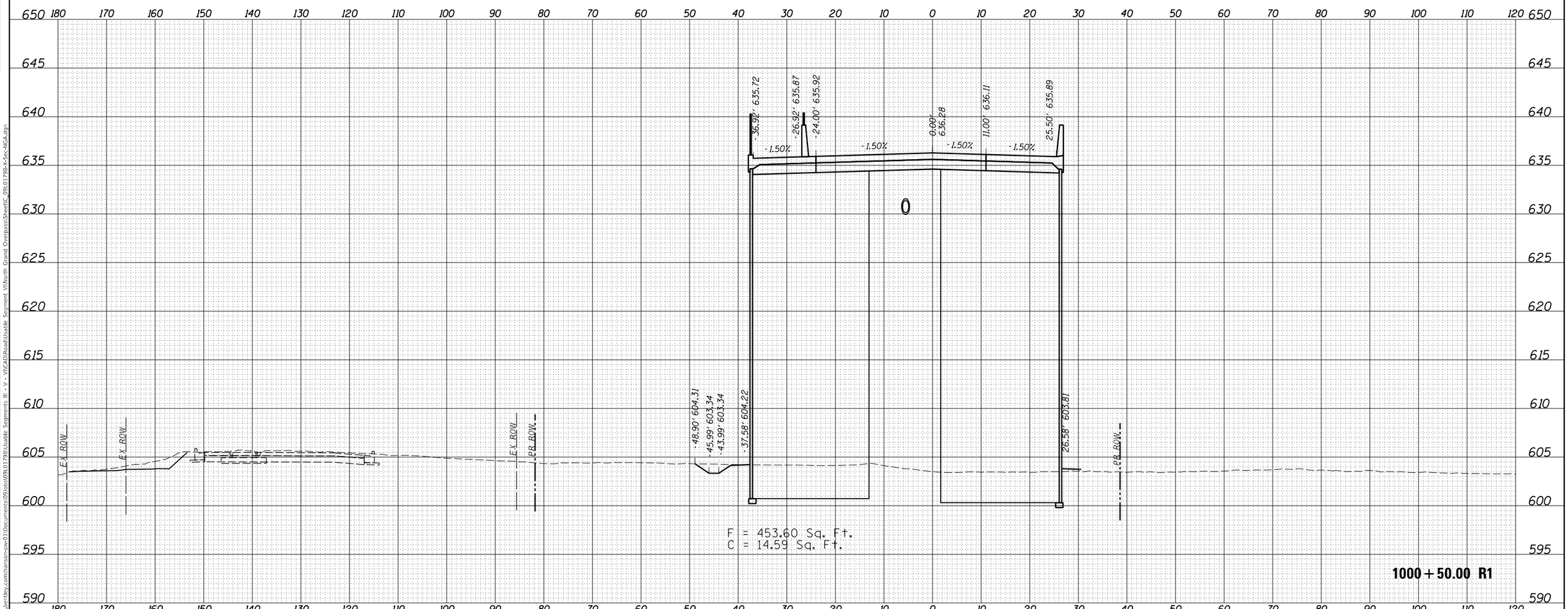
SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – NORTH GRAND AVENUE OVERPASS – 30

SCALE: | SHEET 30 OF 45 SHEETS | STA. 1000+39.00 R1 TO STA. 1000+39.00 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720	00492-00-BR & 22-00492-01-BR	SANGAMON	714	565
	09L0179B	CONTRACT NO. 93773		
	ILLINOIS	FED. AID PROJECT		

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

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



FINAL PLANS

MODEL: Sheet31
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USER NAME = pop00275	DESIGNED - DJP	REVISED -	
	DRAWN - RH	REVISED -	
PLOT SCALE = 20.00 ' / in.	CHECKED - MNM	REVISED -	
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

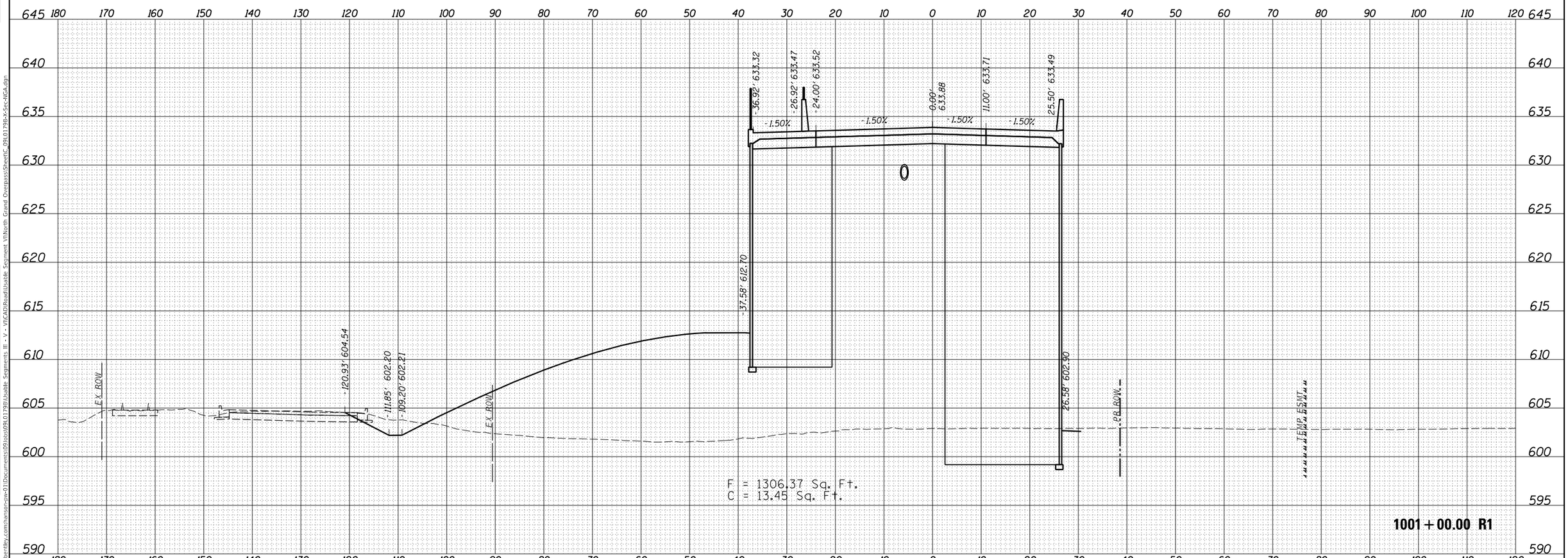
SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – NORTH GRAND AVENUE OVERPASS – 31

SCALE: | SHEET 31 OF 45 SHEETS | STA. 1000+50.00 R1 TO STA. 1000+50.00 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720	00492-00-BR & 22-00492-01-BR	SANGAMON	714	566
	09L0179B	CONTRACT NO. 93773		
R1	ILLINOIS	FED. AID PROJECT		

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

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



FINAL PLANS

MODEL: Sheet32
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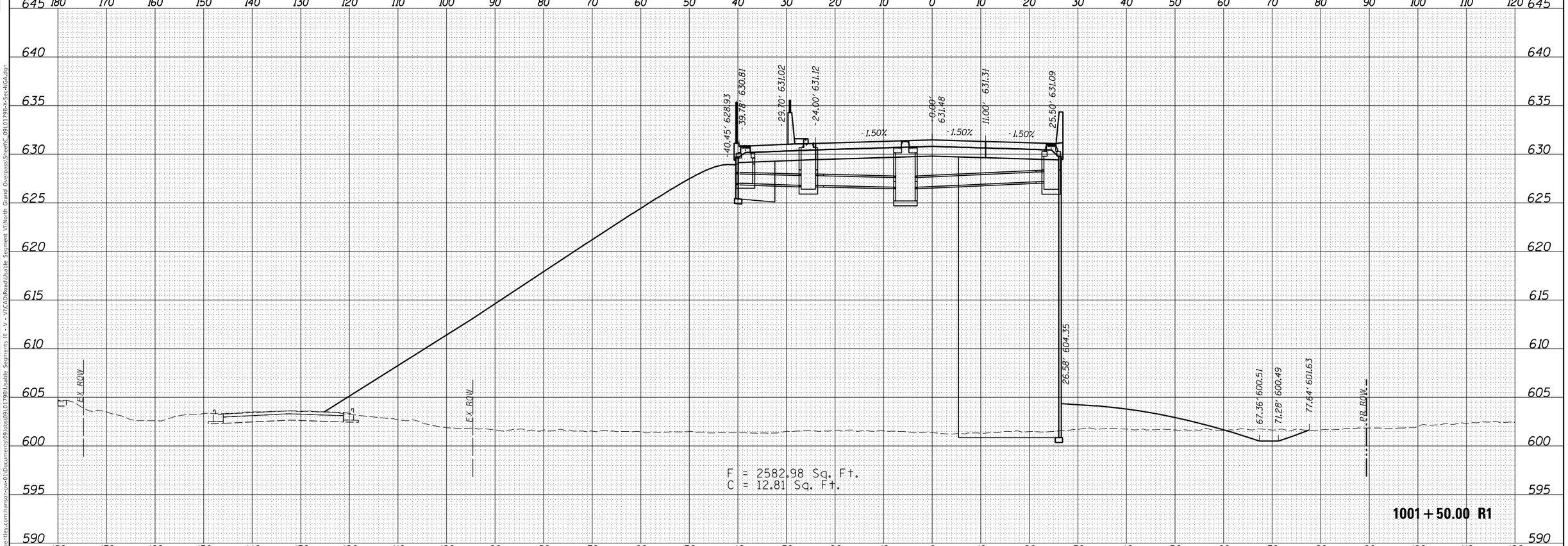
USER NAME = pop00275	DESIGNED - DJP	REVISED -
	DRAWN - RH	REVISED -
PLOT SCALE = 20.00 ' / in.	CHECKED - MNM	REVISED -
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – NORTH GRAND AVENUE OVERPASS – 32

SCALE: | SHEET 32 OF 45 SHEETS | STA. 1001+00.00 R1 TO STA. 1001+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720	00492-00-BR & 22-00492-01-BR	SANGAMON	714	567
	09L0179B	CONTRACT NO. 93773		
R1	ILLINOIS	FED. AID PROJECT		



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

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

FINAL PLANS

MODEL: Sheet33
FILE NAME: pw:\\hansoninc-pw.bentley.com:hanson-pw-01\Documents\09jobs\09L0179B\Usable Segments III - V - VI\CAD\Road\Usable Segment VI\North Grand Overpass\Sheet\C_09L0179B-X-Sec-NGA.dgn

USER NAME = pop00275	DESIGNED - DJP	REVISED -	
	DRAWN - RH	REVISED -	
PLOT SCALE = 20.00 ' / in.	CHECKED - MNM	REVISED -	
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

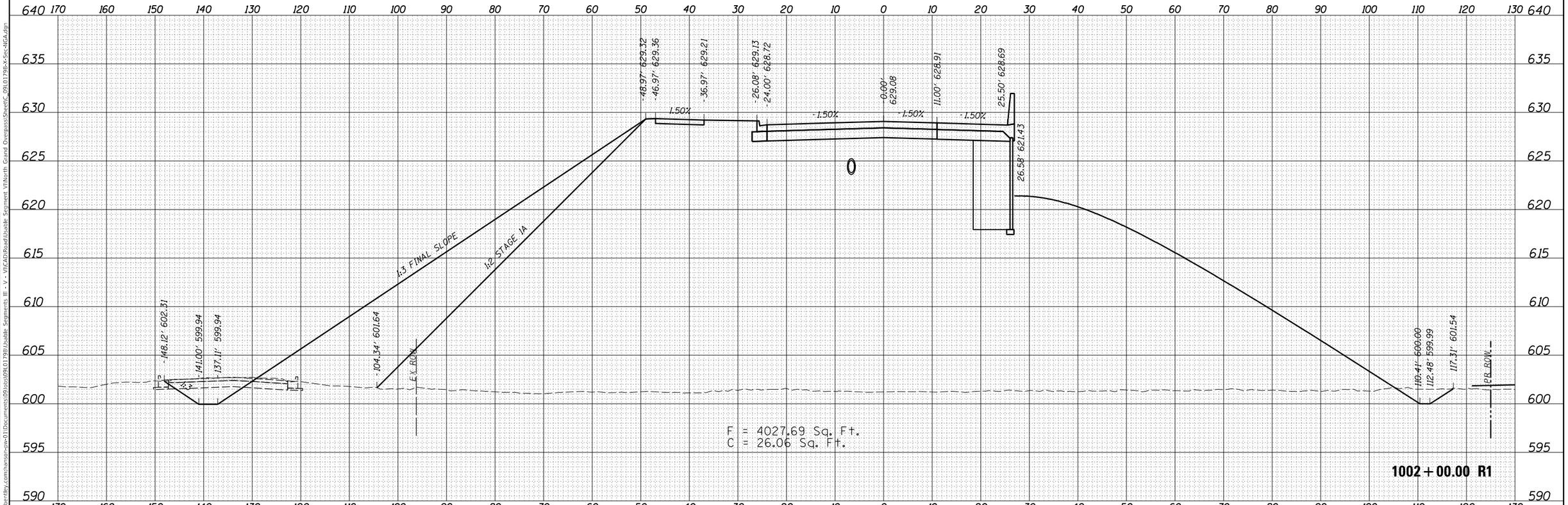
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – NORTH GRAND AVENUE OVERPASS – 33

SCALE: | SHEET 33 OF 45 SHEETS | STA. 1001+50.00 R1 TO STA. 1001+50.00 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720	00492-00-BR & 22-00492-01-BR	SANGAMON	714	568
	09L0179B	CONTRACT NO. 93773		
	ILLINOIS	FED. AID PROJECT		

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



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

FINAL PLANS

MODEL: Sheet34

FILE NAME: pw:\\hnsonlinc-pw.bentley.com:hanson-pw-01\Documents\09Jobs\09L0179B\Usable Segments III - V - VII\CAD\Road\Usable Segment VII\North Grand Overpass\Sheet\C_09L0179B-X-Sec-NGA.dgn

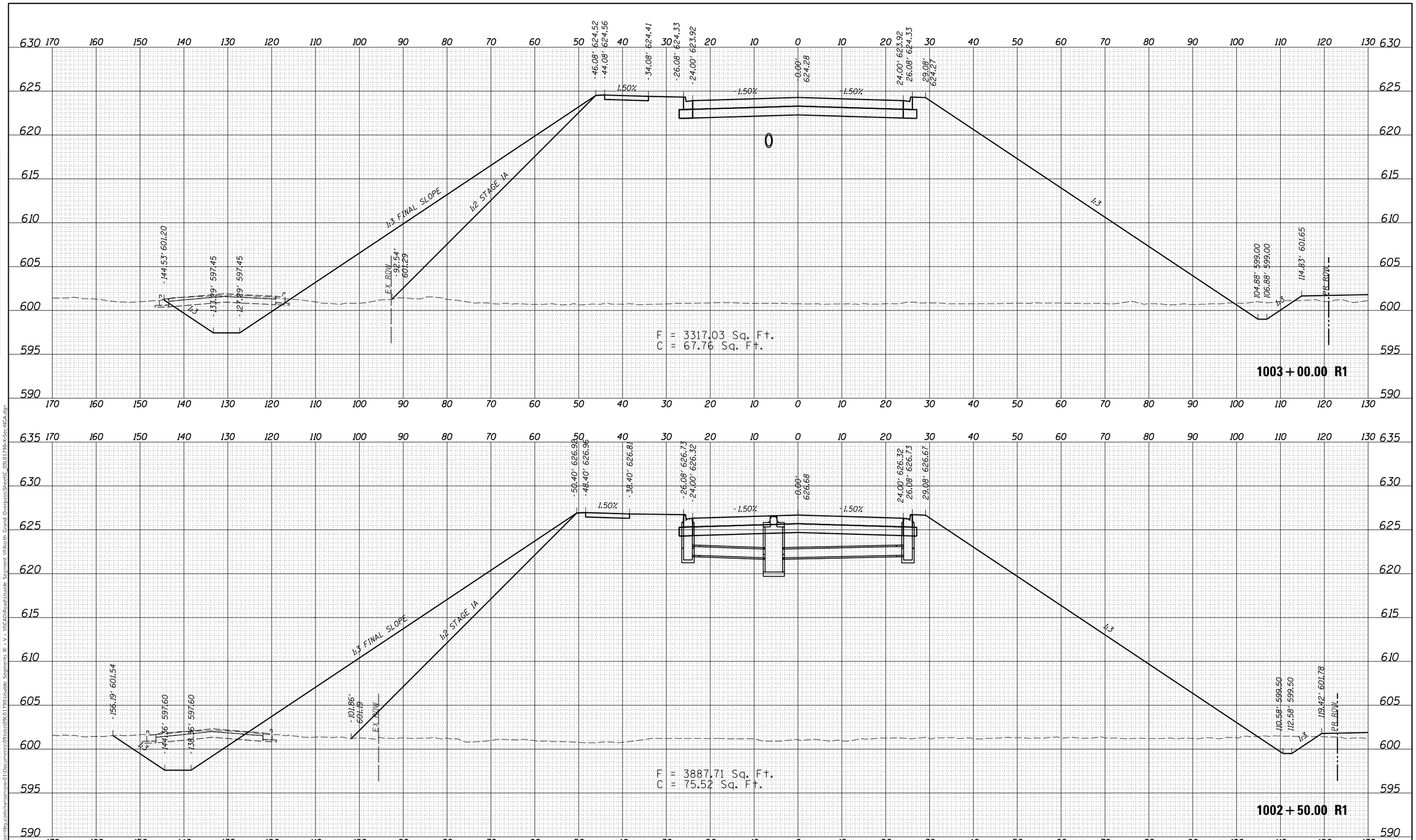
USER NAME = pop00275	DESIGNED - DJP	REVISED -	
	DRAWN - RH	REVISED -	
PLOT SCALE = 20.00 ' / in.	CHECKED - MNM	REVISED -	
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – NORTH GRAND AVENUE OVERPASS – 34

SCALE: | SHEET 34 OF 45 SHEETS | STA. 1002+00.00 R1 TO STA. 1002+00.00 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720	00492-00-BR & 22-00492-01-BR	SANGAMON	714	569
	09L0179B	CONTRACT NO. 93773		
	ILLINOIS	FED. AID PROJECT		



FINAL PLANS

MODEL: Sheet35
FILE NAME: pw:\\hansoninc-pw.bentley.com:hanson-pw-01\Documents\09Jobs\09L0179B\Usable Segments III - V - VI\CAD\Road\Usable Segment VI\North Grand Overpass\Sheet\C_09L0179B-X-Sec-NGA.dgn

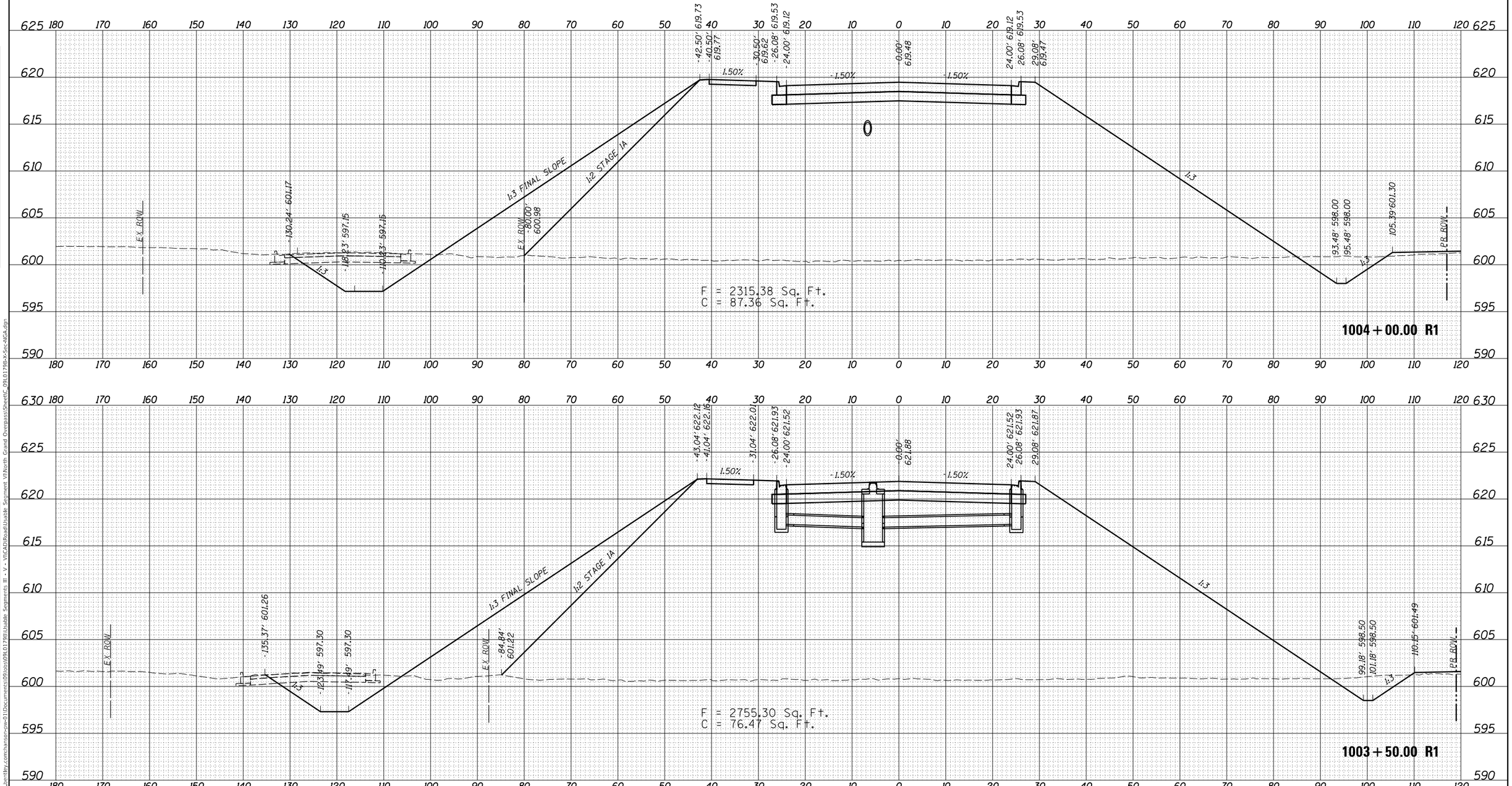
USER NAME = pop00275	DESIGNED - DJP	REVISED -	
	DRAWN - RH	REVISED -	
PLOT SCALE = 20.00 ' / in.	CHECKED - MNM	REVISED -	
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – NORTH GRAND AVENUE OVERPASS – 35

SCALE: | SHEET 35 OF 45 SHEETS | STA. 1002+50.00 R1 TO STA. 1003+00.00 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720	00492-00-BR & 22-00492-01-BR	SANGAMON	714	570
	09L0179B	CONTRACT NO. 93773		
	ILLINOIS	FED. AID PROJECT		



FINAL PLANS

MODEL: Sheet36
FILE NAME: pw:\\hansonine-pw.bentley.com:hanson-pw-01\Documents\09Jobs\09L0179B\Usable Segments III - V - VII\CAD\Road\Usable Segment VII\North Grand Overpass\Sheet\C_09L0179B-X-Sec-NGA.dgn

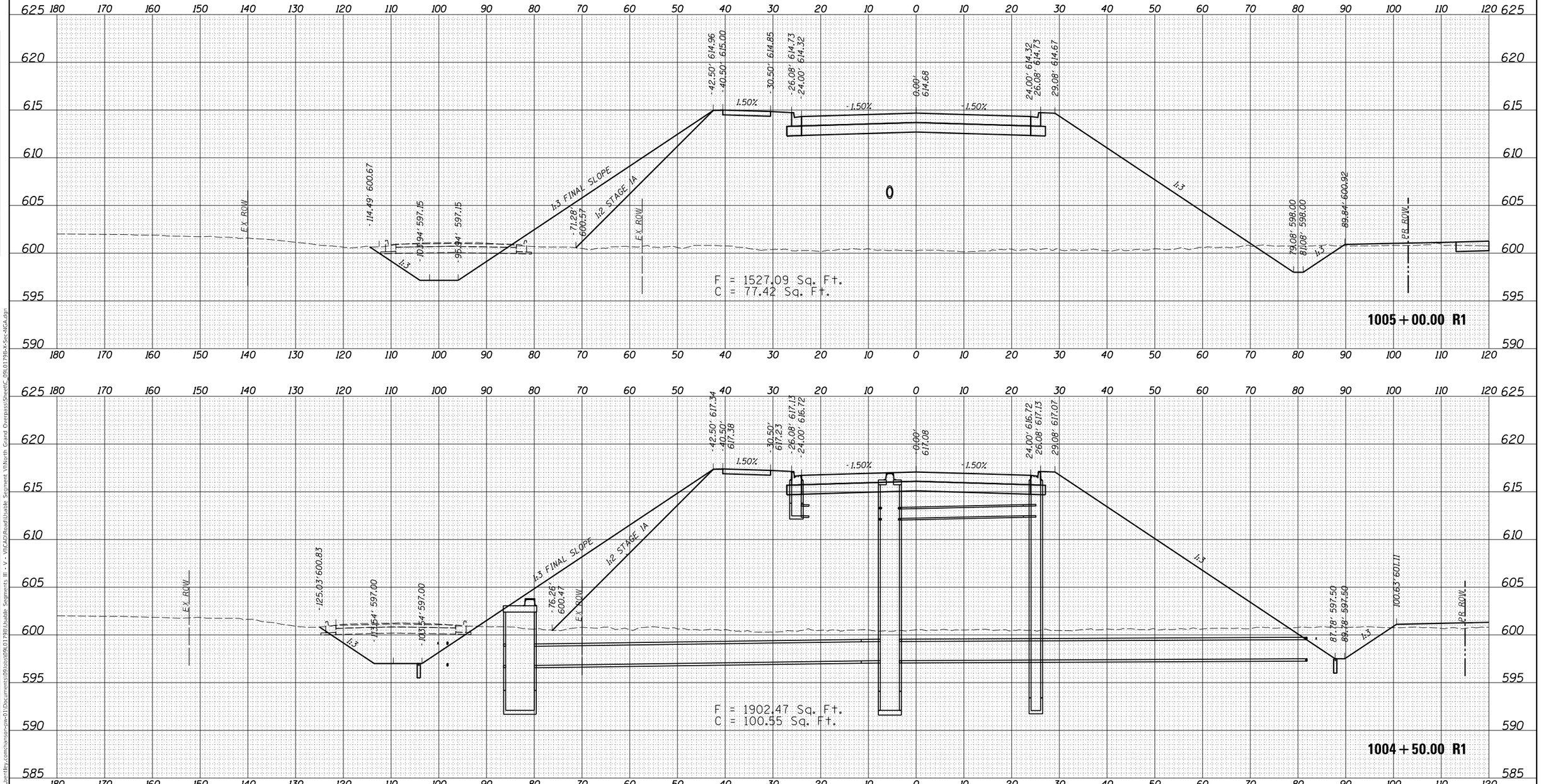
USER NAME = pop00275	DESIGNED - DJP	REVISED -
	DRAWN - RH	REVISED -
PLOT SCALE = 20.00 ' / in.	CHECKED - MNM	REVISED -
PLOT DATE = 10/1/2024	DATE - 10/01/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – NORTH GRAND AVENUE OVERPASS – 36

SCALE: | SHEET 36 OF 45 SHEETS | STA. 1003+50.00 R1 TO STA. 1004+00.00 | R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720	00492-00-BR & 22-00492-01-BR	SANGAMON	714	571
	09L0179B	CONTRACT NO. 93773		
		ILLINOIS	FED. AID PROJECT	



FINAL PLANS

MODEL: Sheet37
FILE NAME: pw:\\hansoninc-pw.bentley.com:hanson-pw-01\Documents\09Jobs\09L0179B\Usable Segments III - V - VI\CAD\Road\Usable Segment VI\North Grand Overpass\Sheet\C_09L0179B-X-Sec-NGA.dgn

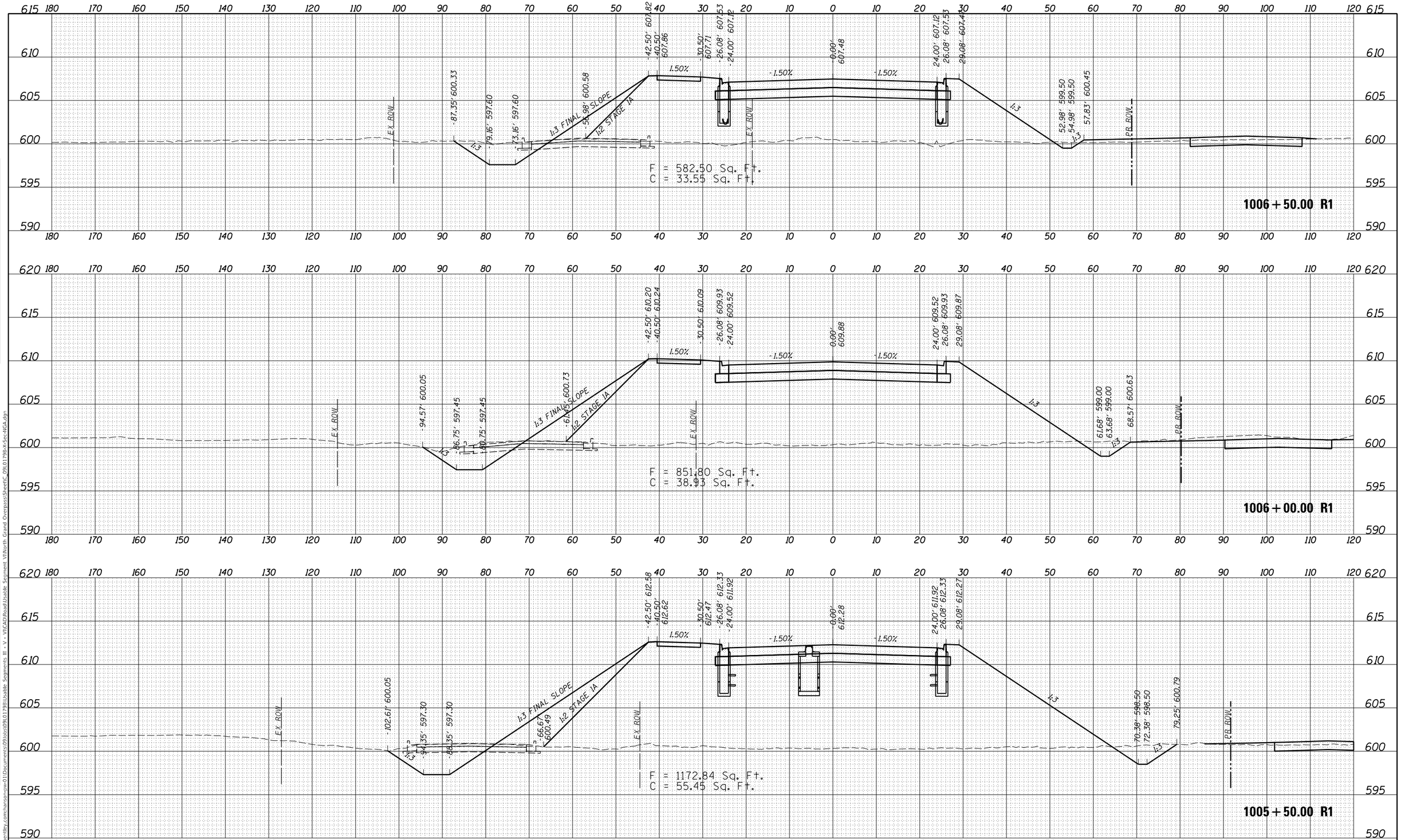
USER NAME = pop00275	DESIGNED - DJP	REVISED -	
	DRAWN - RH	REVISED -	
PLOT SCALE = 20.00 ' / in.	CHECKED - MNM	REVISED -	
PLOT DATE = 10/1/2024	DATE - 10/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – NORTH GRAND AVENUE OVERPASS – 37

SCALE: | SHEET 37 OF 45 SHEETS | STA. 1004+50.00 R1 TO STA. 1005+00.00 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720	00492-00-BR & 22-00492-01-BR	SANGAMON	714	572
	09L0179B	CONTRACT NO. 93773		
	ILLINOIS	FED. AID PROJECT		



FINAL PLANS

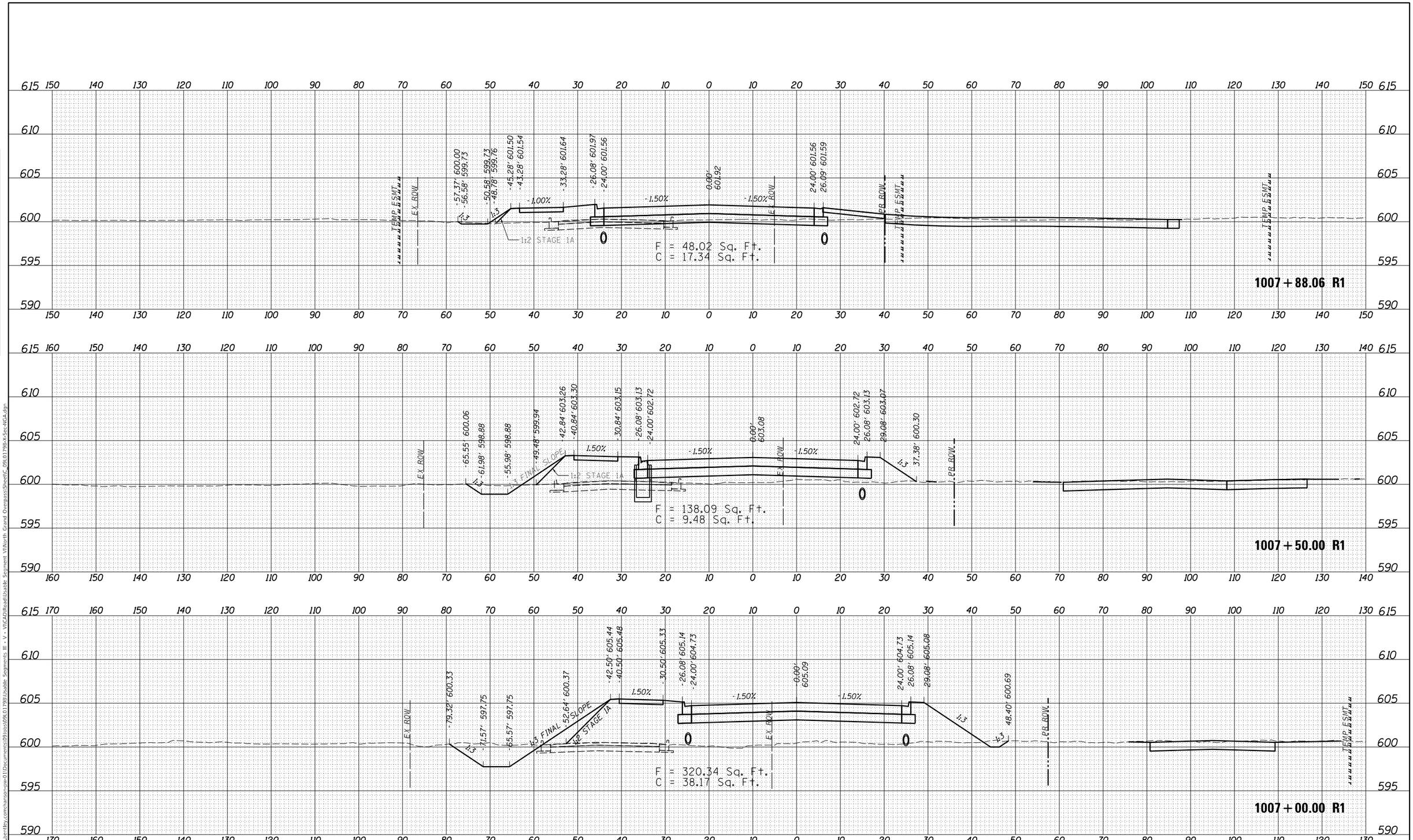
MODEL: Sheet38
FILE NAME: pw:\\hansoninc-spw.bentley.com:hanson-spw-01\Documents\09Jobs\09L0179B\Usable Segments III - V - VII\CAD\Road\Usable Segment VII\North Grand Overpass\Sheets\C_09L0179B-X-Sec-NGA.dgn

USER NAME = pop00275	DESIGNED - DJP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - RH	REVISED -	
PLOT SCALE = 20.00 ' / in.	CHECKED - MNM	REVISED -	
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – NORTH GRAND AVENUE OVERPASS – 38

SCALE: | SHEET 38 OF 45 SHEETS | STA. 1005+50.00 R1 TO STA. 1006+50.00 | R1 | ILLINOIS | FED. AID PROJECT

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720	00492-00-BR & 22-00492-01-BR	SANGAMON	714	573
	09L0179B	CONTRACT NO. 93773		



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

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

FINAL PLANS

MODEL: Sheet39
FILE NAME: pw:\\hansoninc-pw.bentley.com:hanson-pw-01\Documents\09Jobs\09L0179B\Usable Segments III - V - VI\CAD\Road\Usable Segment VI\North Grand Overpass\Sheet\C_09L0179B-X-Sec-NGA.dgn

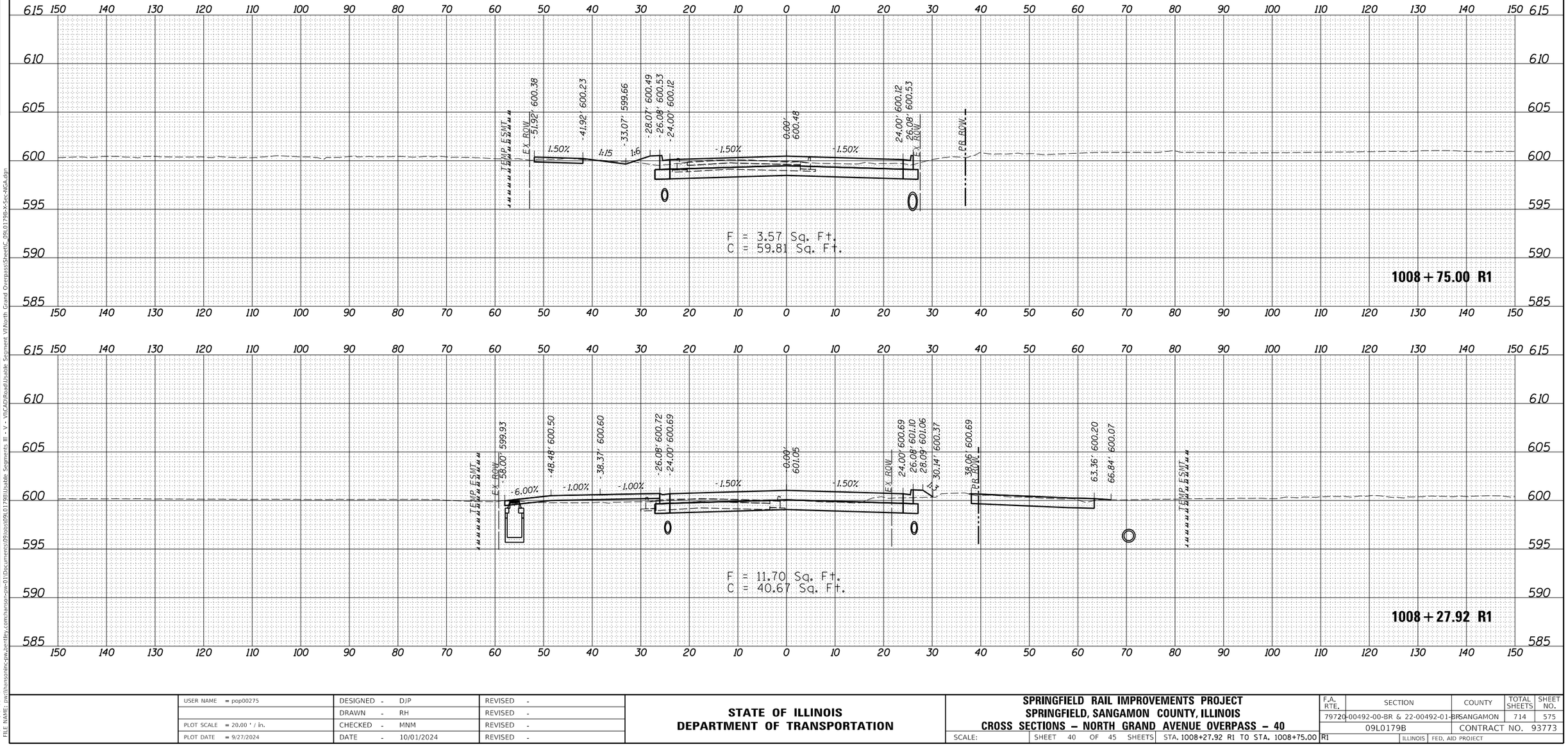
USER NAME = pop00275	DESIGNED - DJP	REVISED -	
	DRAWN - RH	REVISED -	
PLOT SCALE = 20.00 ' / in.	CHECKED - MNM	REVISED -	
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – NORTH GRAND AVENUE OVERPASS – 39

SCALE: | SHEET 39 OF 45 SHEETS | STA. 1007+00.00 R1 TO STA. 1007+88.06 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720	00492-00-BR & 22-00492-01-BR	SANGAMON	714	574
	09L0179B	CONTRACT NO. 93773		
		ILLINOIS FED. AID PROJECT		



FINAL PLANS

MODEL: Sheet40
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FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

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

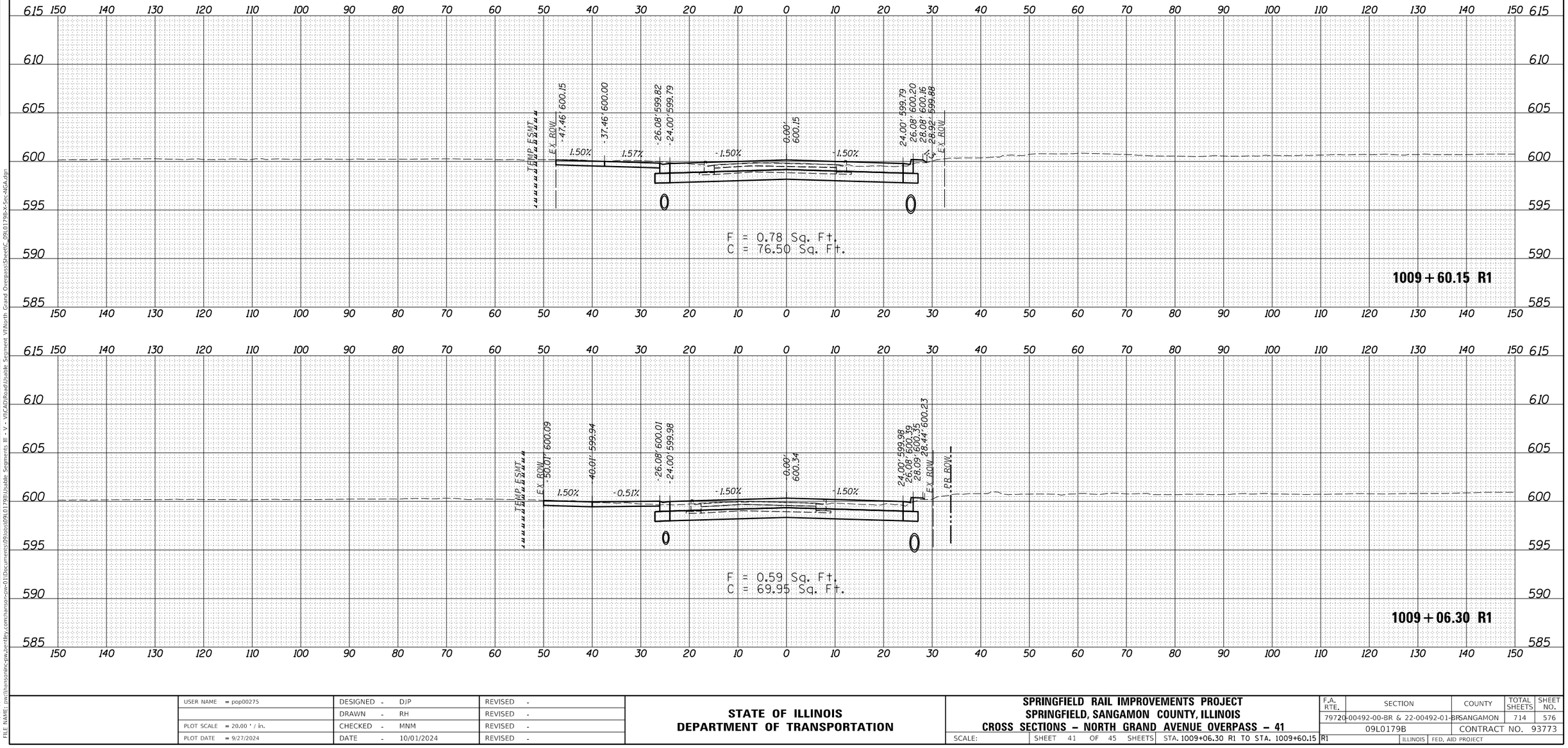
USER NAME = pop00275	DESIGNED - DJP	REVISED -	
	DRAWN - RH	REVISED -	
PLOT SCALE = 20.00 ' / in.	CHECKED - MNM	REVISED -	
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – NORTH GRAND AVENUE OVERPASS – 40

SCALE: | SHEET 40 OF 45 SHEETS | STA. 1008+27.92 R1 TO STA. 1008+75.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720	00492-00-BR & 22-00492-01-BR	SANGAMON	714	575
	09L0179B	CONTRACT NO. 93773		
R1	ILLINOIS	FED. AID PROJECT		



FINAL PLANS

MODEL: Sheet41
FILE NAME: pw:\\hansonInc-pw.bentley.com:hanson-pw-01\Documents\09Jobs\09L0179B\Usable Segments III - V - VI\CAD\Road\Usable Segment VI\North Grand Overpass\Sheet\C_09L0179B-X-Sec-NGA.dgn

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

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

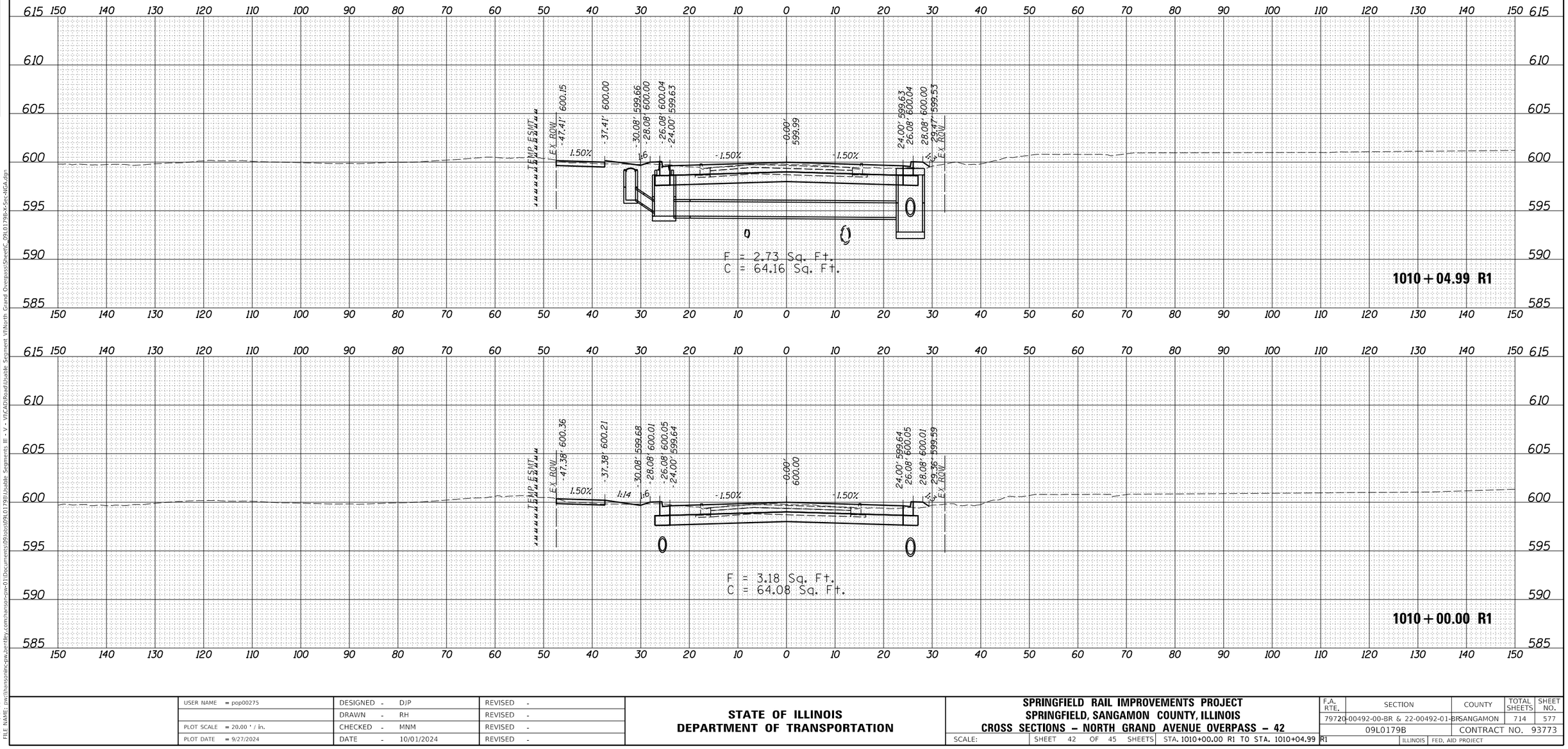
USER NAME = pop00275	DESIGNED - DJP	REVISED -
	DRAWN - RH	REVISED -
PLOT SCALE = 20.00 ' / in.	CHECKED - MNM	REVISED -
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – NORTH GRAND AVENUE OVERPASS – 41

SCALE: | SHEET 41 OF 45 SHEETS | STA. 1009+06.30 R1 TO STA. 1009+60.15

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720	00492-00-BR & 22-00492-01-BR	SANGAMON	714	576
	09L0179B	CONTRACT NO. 93773		
R1	ILLINOIS	FED. AID PROJECT		



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

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

FINAL PLANS

MODEL: Sheet42
FILE NAME: pw:\hansonlnc-pw.bentley.com:hanson-pw-01\Documents\09Jobs\09L0179B\Usable Segments III - V - VI\CAD\Road\Usable Segment VI\North Grand Overpass\Sheet\C_09L0179B-X-Sec-NGA.dgn

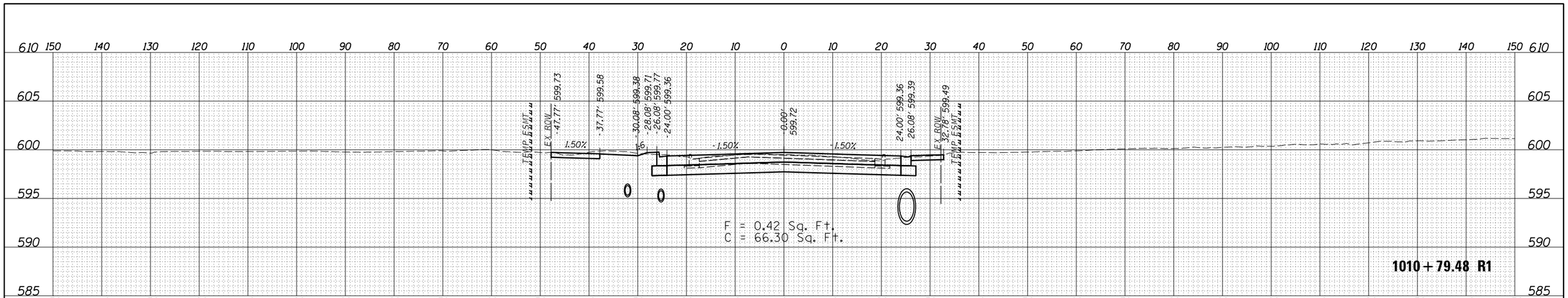
USER NAME = pop00275	DESIGNED - DJP	REVISED -	
	DRAWN - RH	REVISED -	
PLOT SCALE = 20.00 ' / in.	CHECKED - MNM	REVISED -	
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

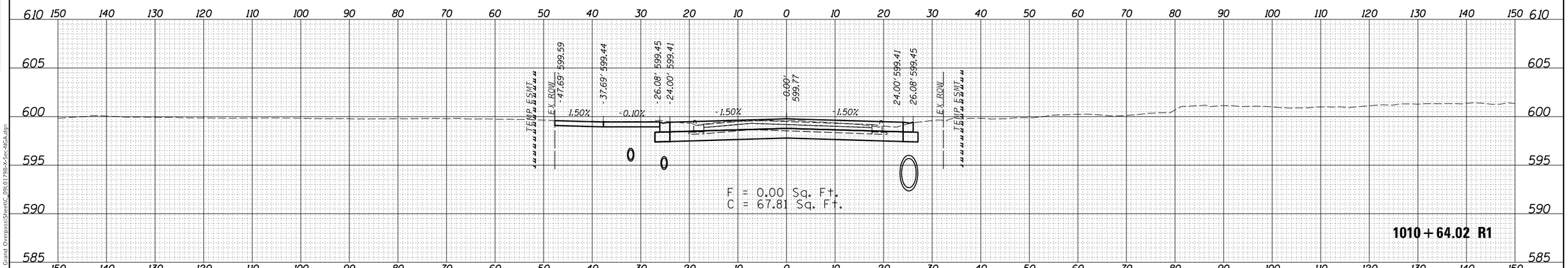
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

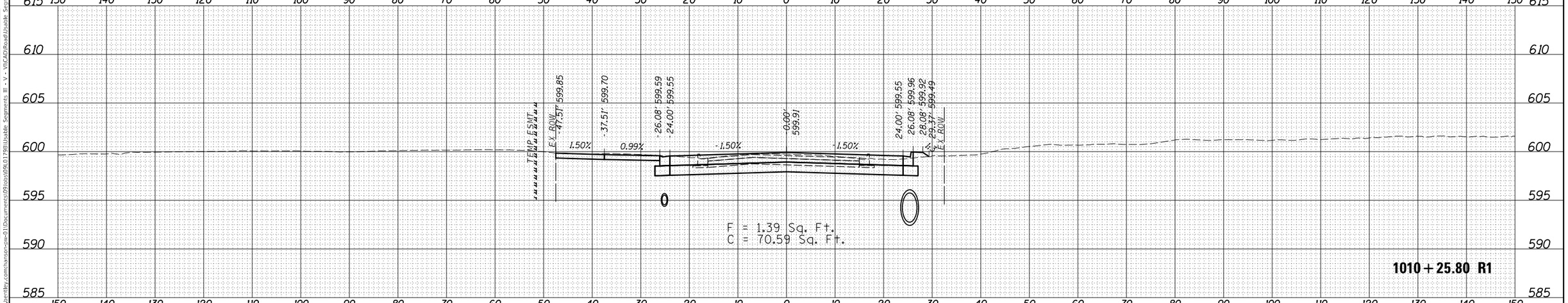
SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – NORTH GRAND AVENUE OVERPASS – 42

SCALE: | SHEET 42 OF 45 SHEETS | STA. 1010+00.00 R1 TO STA. 1010+04.99 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720	00492-00-BR & 22-00492-01-BR	SANGAMON	714	577
	09L0179B	CONTRACT NO. 93773		
		ILLINOIS	FED. AID PROJECT	







USER NAME = pop00275	DESIGNED - DJP	REVISED -	
	DRAWN - RH	REVISED -	
PLOT SCALE = 20.00 ' / in.	CHECKED - MNM	REVISED -	
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

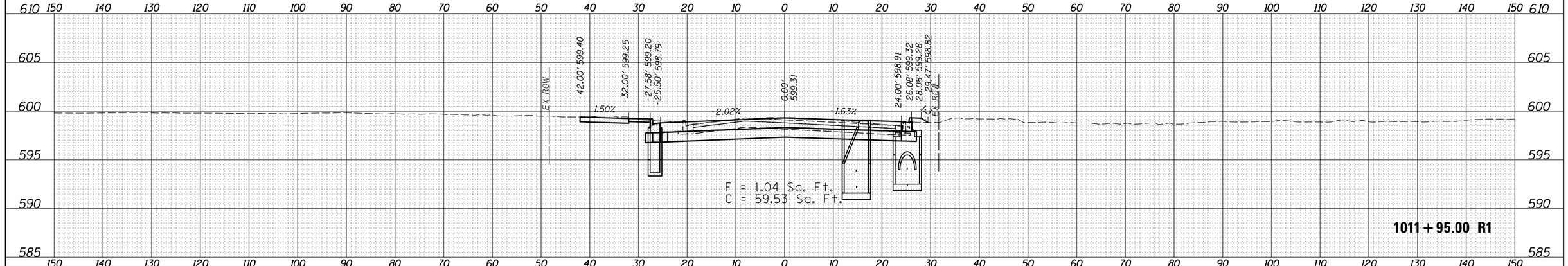
SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – NORTH GRAND AVENUE OVERPASS – 43

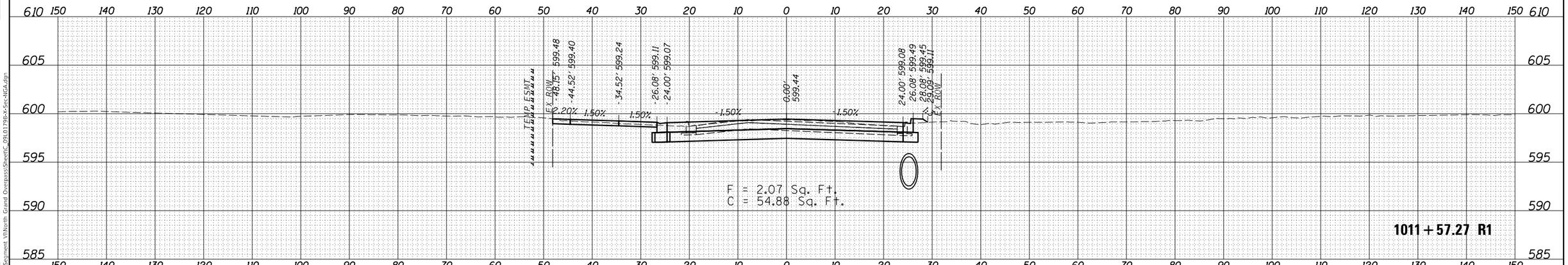
SCALE: | SHEET 43 OF 45 SHEETS | STA. 1010+25.80 R1 TO STA. 1010+79.48 R1

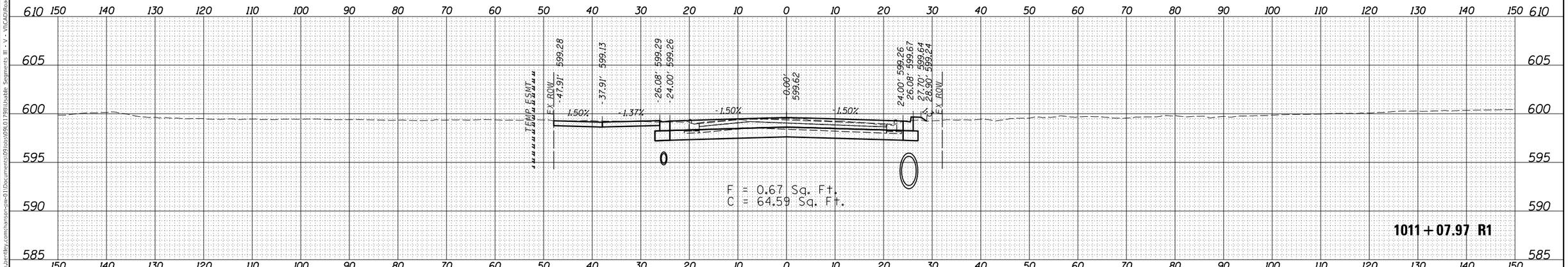
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720-00492-00-BR & 22-00492-01-BR		SANGAMON	714	578
	09L0179B	CONTRACT NO. 93773		
		ILLINOIS FED. AID PROJECT		

FINAL PLANS

MODEL: Sheet43
FILE NAME: pw:\\hansoninc-pw.bentley.com:hanson-pw-01\Documents\09Jobs\09L0179B\Usable Segments III - V - VI\CAD\Road\Usable Segment VI\North Grand Overpass\Sheet\C_09L0179B-X-Sec-NGA.dgn







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

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

FINAL PLANS

MODEL: Sheet44

FILE NAME: pw:\\hansonbnc-pw.bentley.com:hanson-pw-01\Documents\09Jobs\09L0179B\Usable Segments III - V - VI\CAD\Road\Usable Segment VI\North Grand Overpass\Sheet\C_09L0179B-X-Sec-NGA.dgn

USER NAME = pop00275	DESIGNED - DJP	REVISED -	
	DRAWN - RH	REVISED -	
PLOT SCALE = 20.00 ' / in.	CHECKED - MNM	REVISED -	
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

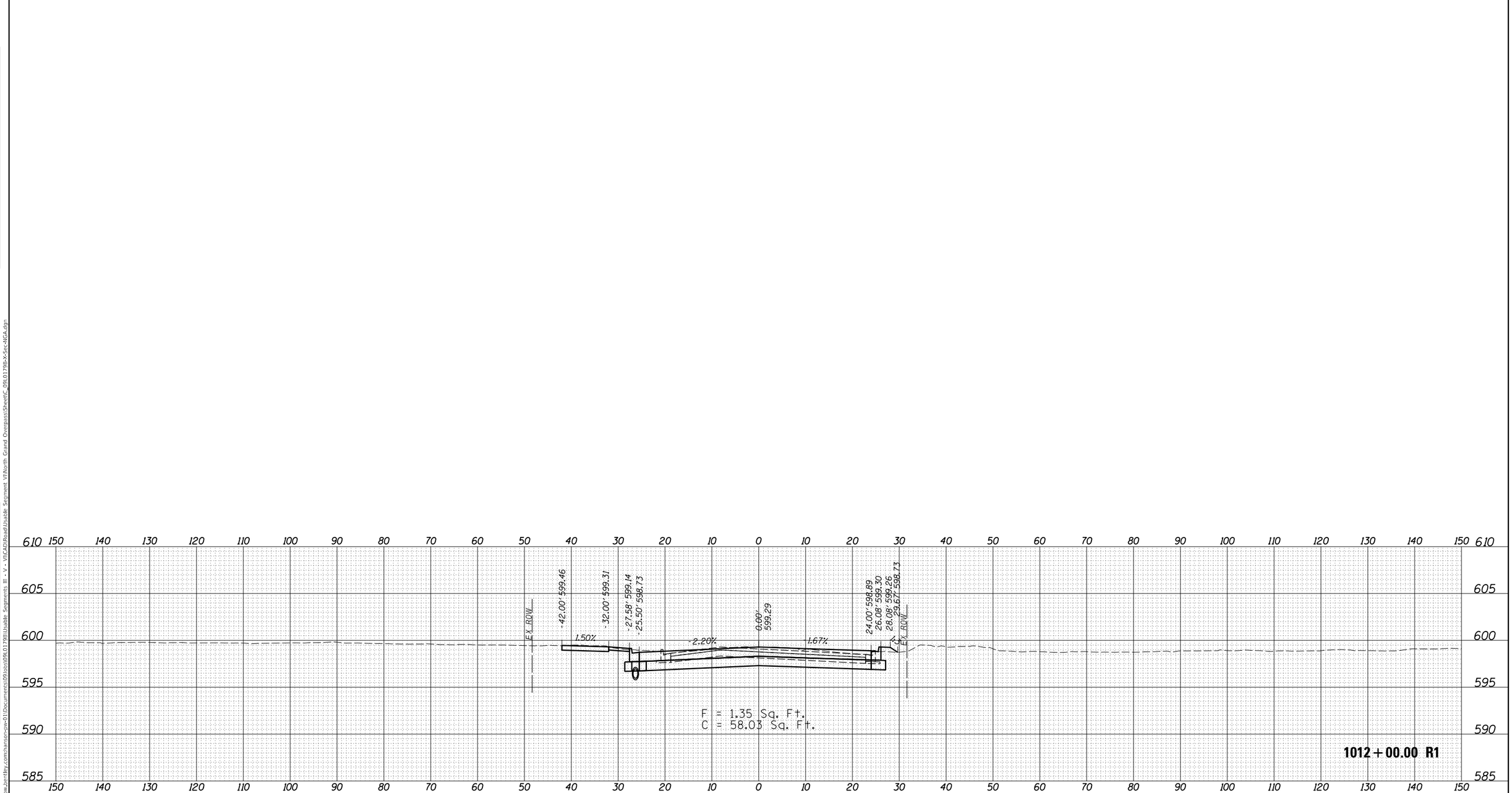
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – NORTH GRAND AVENUE OVERPASS – 44

SCALE: | SHEET 44 OF 45 SHEETS | STA. 1011+07.97 R1 TO STA. 1011+95.00 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720	09L0179B	SANGAMON	714	579
		CONTRACT NO. 93773		
		ILLINOIS	FED. AID PROJECT	

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



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

FINAL PLANS

MODEL: Sheet45

FILE NAME: pw:\\hansonlinc-pw.bentley.com:hanson-pw-01\Documents\09Jobs\09L0179B\Usable Segments III - V - VICAD\Road\Usable Segment VI\North Grand Overpass\Sheet\C_09L0179B-X-Sec-NGA.dgn

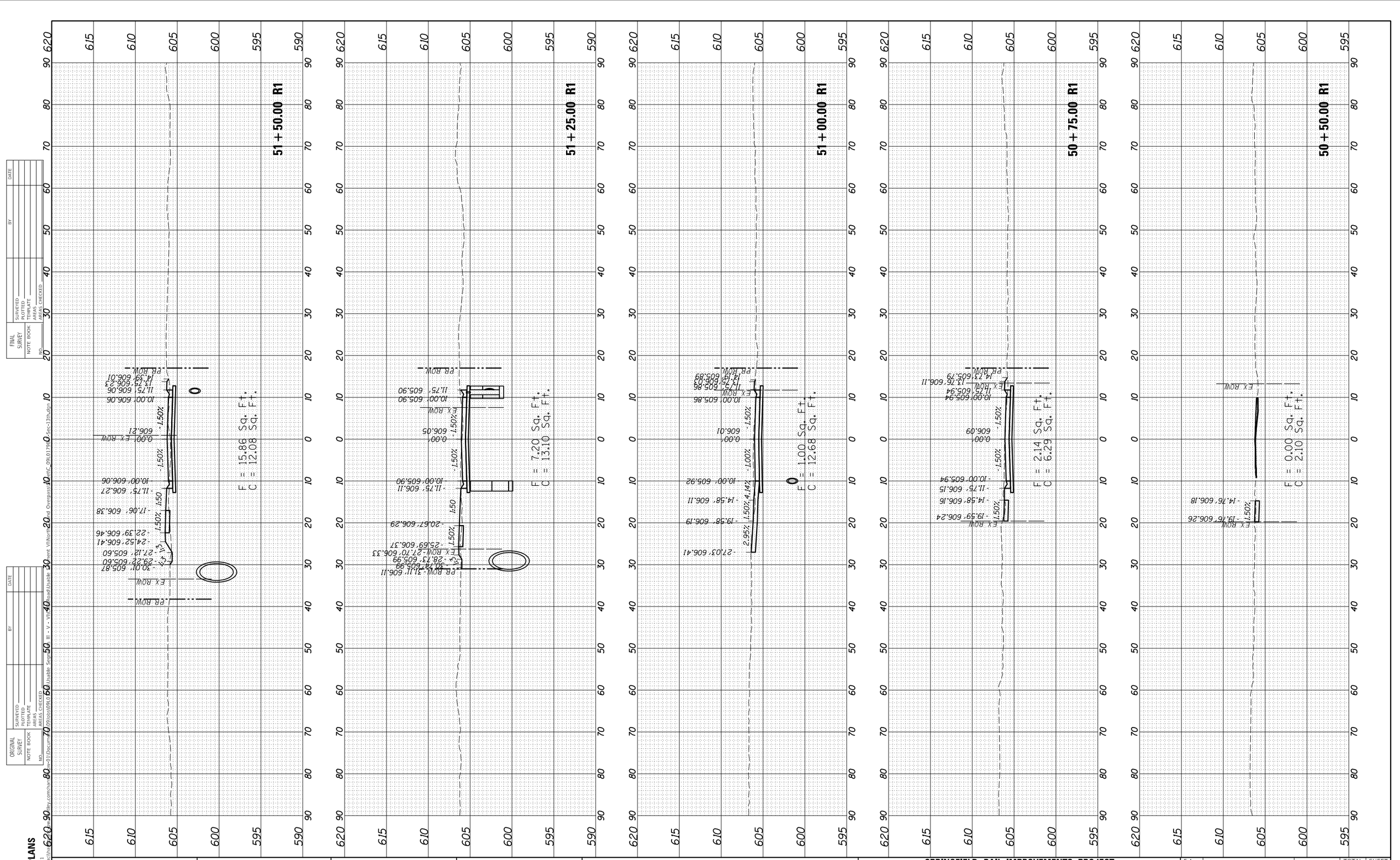
USER NAME = pop00275	DESIGNED - DJP	REVISED -	
	DRAWN - RH	REVISED -	
PLOT SCALE = 20.00 ' / in.	CHECKED - MNM	REVISED -	
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – NORTH GRAND AVENUE OVERPASS – 45

SCALE: | SHEET 45 OF 45 SHEETS | STA. 1012+00.00 R1 TO STA. 1012+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720-00492-00-BR & 22-00492-01-BR		SANGAMON	714	580
	09L0179B	CONTRACT NO. 93773		
R1	ILLINOIS FED. AID PROJECT			



FINAL PLANS

MODEL: Sheet1
FILE NAME: pw:\\hdcdocs.cityofspringfield.com:hamc~01\Documents\09lopsb09lL0179B_Sec-13th.dgn

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

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

Sheet Usable Segment VINorth Overpass\Usable Segment III - V - VI\Usable Segment III - V - VI\Roadway Overpass\Roadway Overpass Usable.dgn

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	DRAWN - RH	REVISED -	
PLOT SCALE = 20.00 ' / in.	CHECKED - MNM	REVISED -	
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – 13TH STREET – 1

SCALE: | SHEET 1 OF 2 SHEETS | STA. 50+50.00 R1 TO STA. 51+50.00 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720	00492-00-BR & 22-00492-01-BR	SANGAMON	714	581
	09L0179B	CONTRACT NO. 93773		
	ILLINOIS FED. AID PROJECT			

FINAL PLANS

MODEL: Sheet2
FILE NAME: pw:\\wansonlinc-pw.bentley.com:hanson-pw-01\Documents\09Jobs\09L0179B\Usable Segments III - V - VII\CAD\Road\Usable Segment VII\North Grand Overpass\Sheets\C_09L0179B-X-Sec-13th.dgn

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

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

USER NAME = pop00275	DESIGNED - DJP	REVISED -	
	DRAWN - RH	REVISED -	
PLOT SCALE = 20.00 ' / in.	CHECKED - MNM	REVISED -	
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

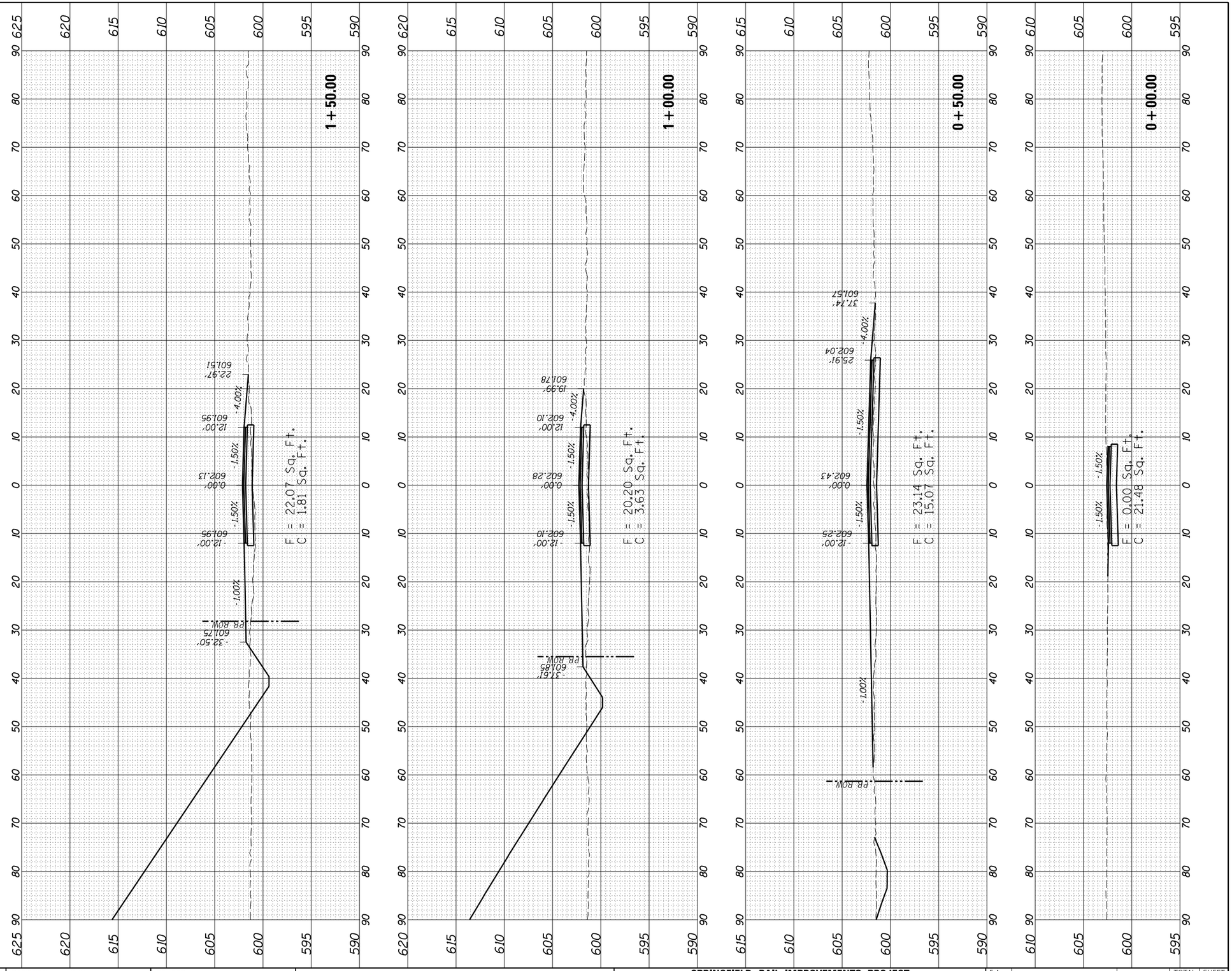
SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – 13TH STREET – 2

SCALE: | SHEET 2 OF 2 SHEETS | STA. 51+75.00 R1 TO STA. 53+89.90 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720	00492-00-BR & 22-00492-01-BR	SANGAMON	714	582
	09L0179B	CONTRACT NO. 93773		
	ILLINOIS	FED. AID PROJECT		

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

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



FINAL PLANS

MODEL: Sheet1
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USER NAME = pop00275	DESIGNED - SKM	REVISED -	
	DRAWN - RH	REVISED -	
PLOT SCALE = 20.00 ' / in.	CHECKED - SKM	REVISED -	
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

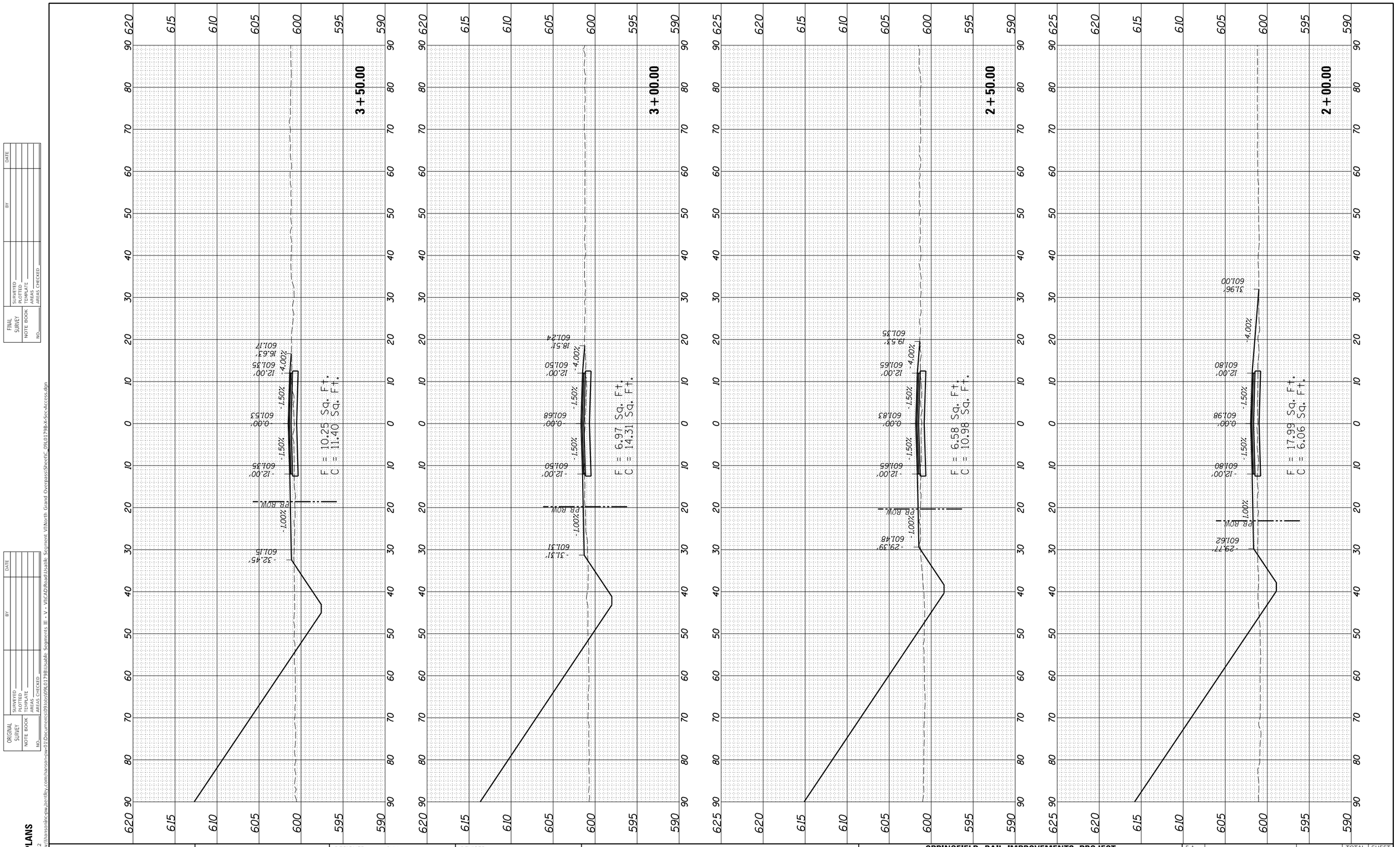
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – I&M ACCESS ROAD – 1

SCALE:

SHEET 1 OF 4 SHEETS STA. 0+00.00 TO STA. 1+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720	00492-00-BR & 22-00492-01-BR	SANGAMON	714	583
	09L0179B	CONTRACT NO. 93773		
	ILLINOIS FED. AID PROJECT			



FINAL PLANS

MODEL: Sheet2
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FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		

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

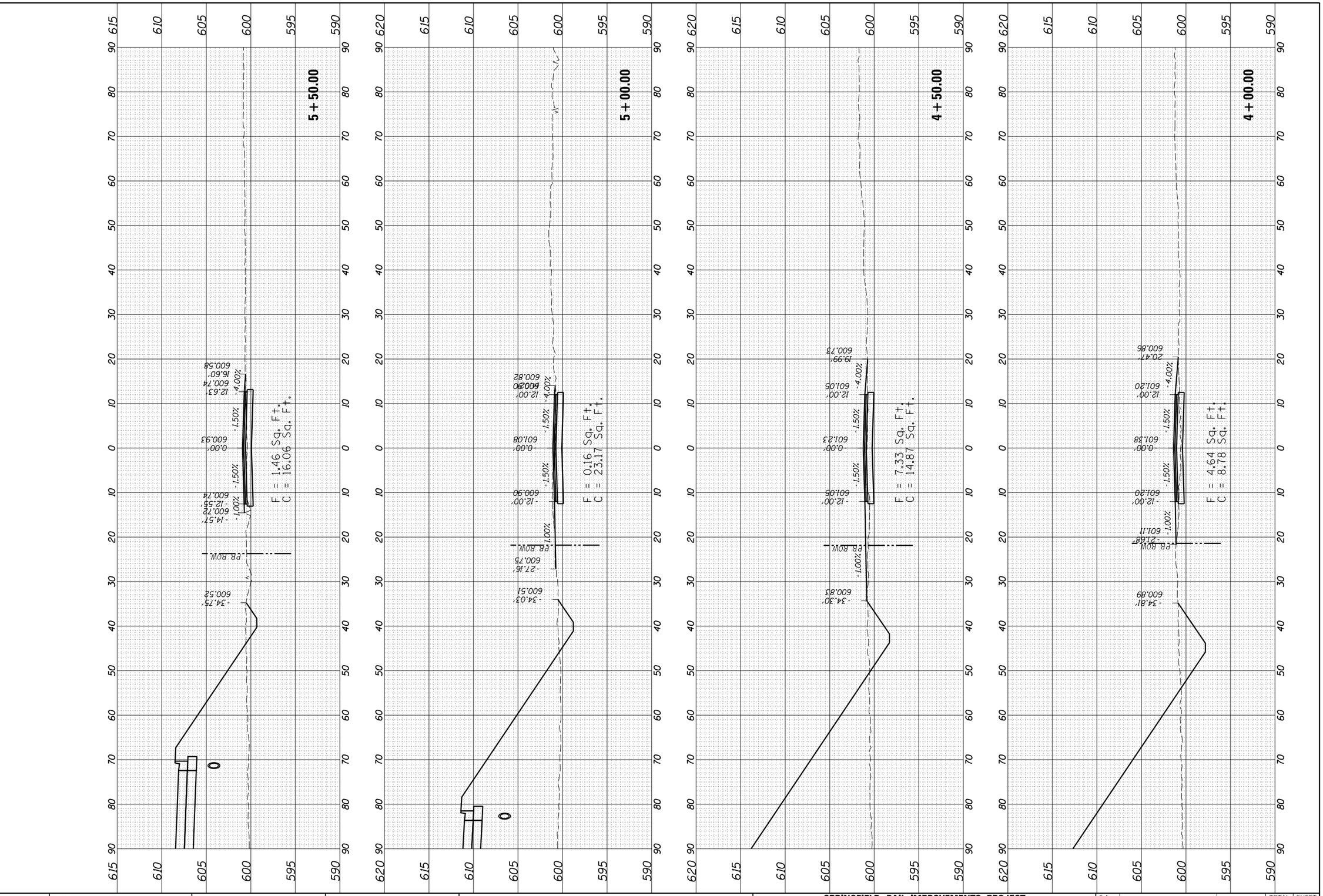
USER NAME = pop00275	DESIGNED - SKM	REVISED -	
	DRAWN - RH	REVISED -	
PLOT SCALE = 20.00 ' / in.	CHECKED - SKM	REVISED -	
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – I&M ACCESS ROAD – 2

SCALE: | SHEET 2 OF 4 SHEETS | STA. 2+00.00 TO STA. 3+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720-00492-00-BR & 22-00492-01-BR		SANGAMON	714	584
	09L0179B	CONTRACT NO. 93773		
	ILLINOIS FED. AID PROJECT			



FINAL PLANS

MODEL: Sheet3

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

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

USER NAME = pop00275	DESIGNED - SKM	REVISED -
	DRAWN - RH	REVISED -
PLOT SCALE = 20.00 ' / in.	CHECKED - SKM	REVISED -
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

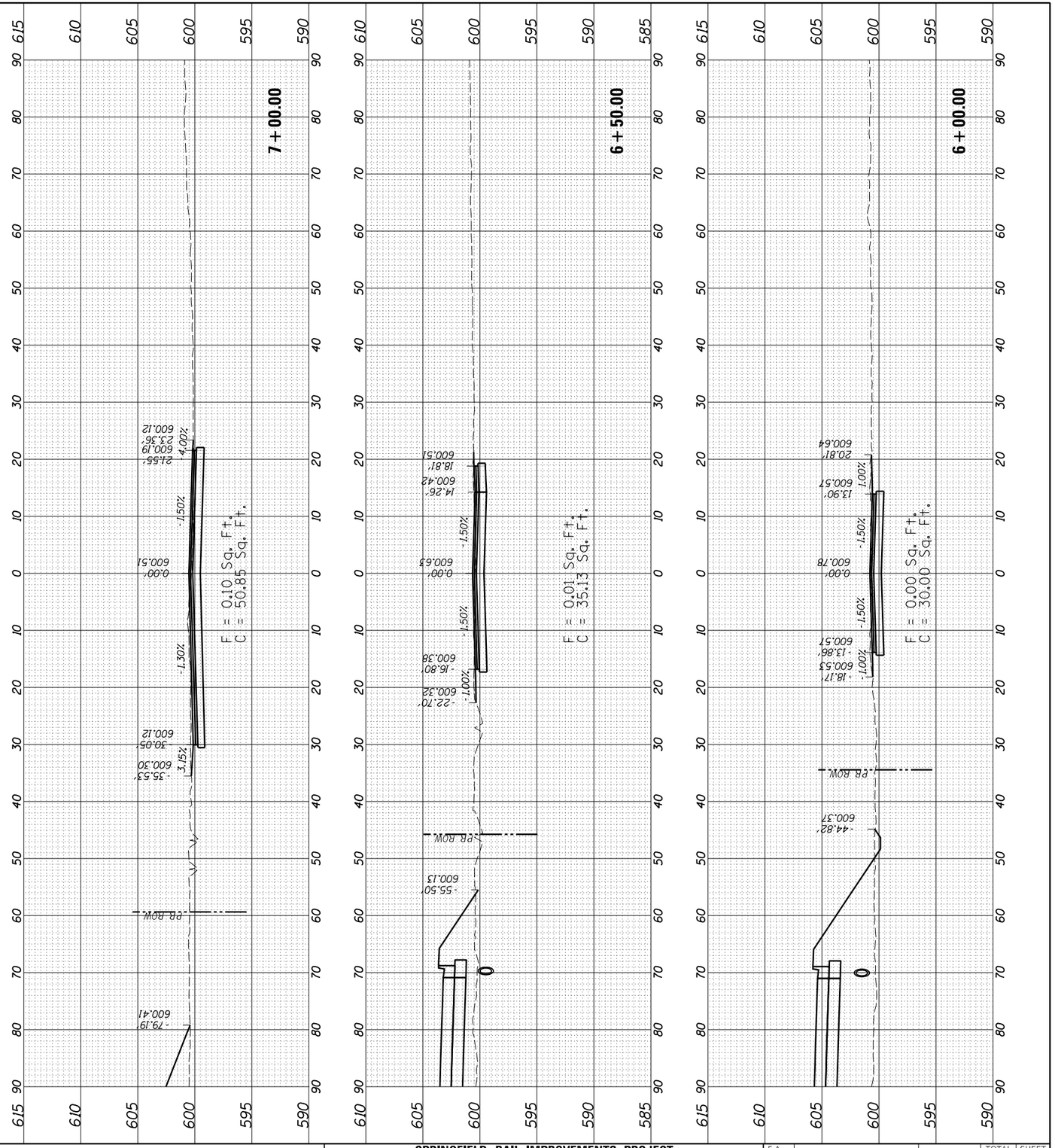
SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – I&M ACCESS ROAD – 3

SCALE: | SHEET 3 OF 4 SHEETS | STA. 4+00.00 TO STA. 5+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720	00492-00-BR & 22-00492-01-BR	SANGAMON	714	585
	09L0179B	CONTRACT NO. 93773		
	ILLINOIS FED. AID PROJECT			

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

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



FINAL PLANS

MODEL: Sheet4
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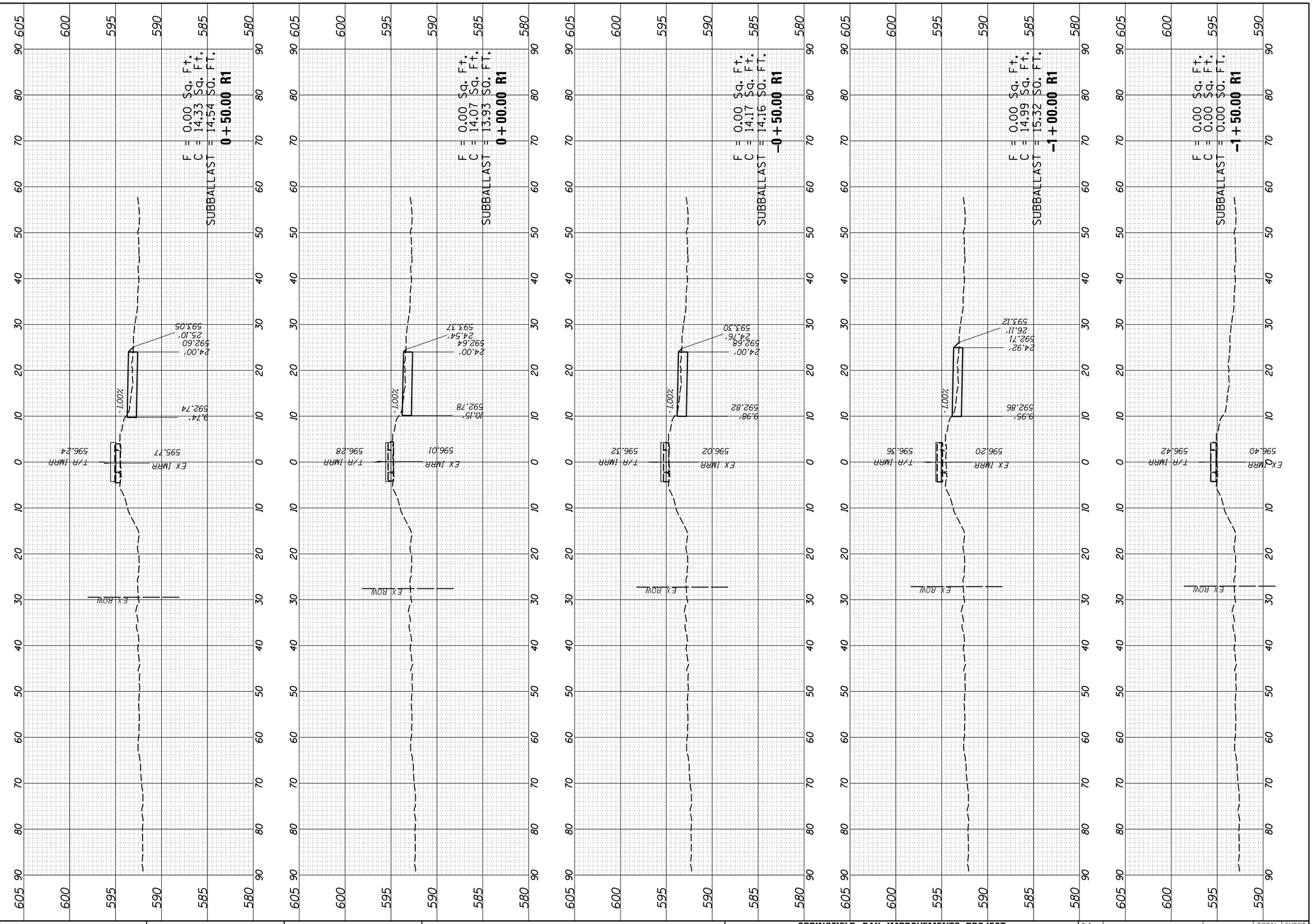
USER NAME = pop00275	DESIGNED - SKM	REVISED -	
	DRAWN - RH	REVISED -	
PLOT SCALE = 20.00 ' / in.	CHECKED - SKM	REVISED -	
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – I&M ACCESS ROAD – 4

SCALE: | SHEET 4 OF 4 SHEETS | STA. 6+00.00 TO STA. 7+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720-00492-00-BR & 22-00492-01-BR		SANGAMON	714	586
	09L0179B		CONTRACT NO. 93773	
		ILLINOIS	FED. AID PROJECT	



USER NAME = pop00275	DESIGNED - GCN	REVISED -	
	DRAWN - RH	REVISED -	
PLOT SCALE = 20.00 ' / In.	CHECKED - GCN	REVISED -	
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – TRACK – IMRR

SCALE: | SHEET 1 OF 3 SHEETS | STA. -1+50.00 R1 TO STA. 0+50.00 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7972	20-00492-00-BR & 22-00492-01-BR	SANGAMON	714	587
	09L0179B	CONTRACT NO. 93773		
	ILLINOIS FED. AID PROJECT			

FINAL PLANS

MODEL: 1
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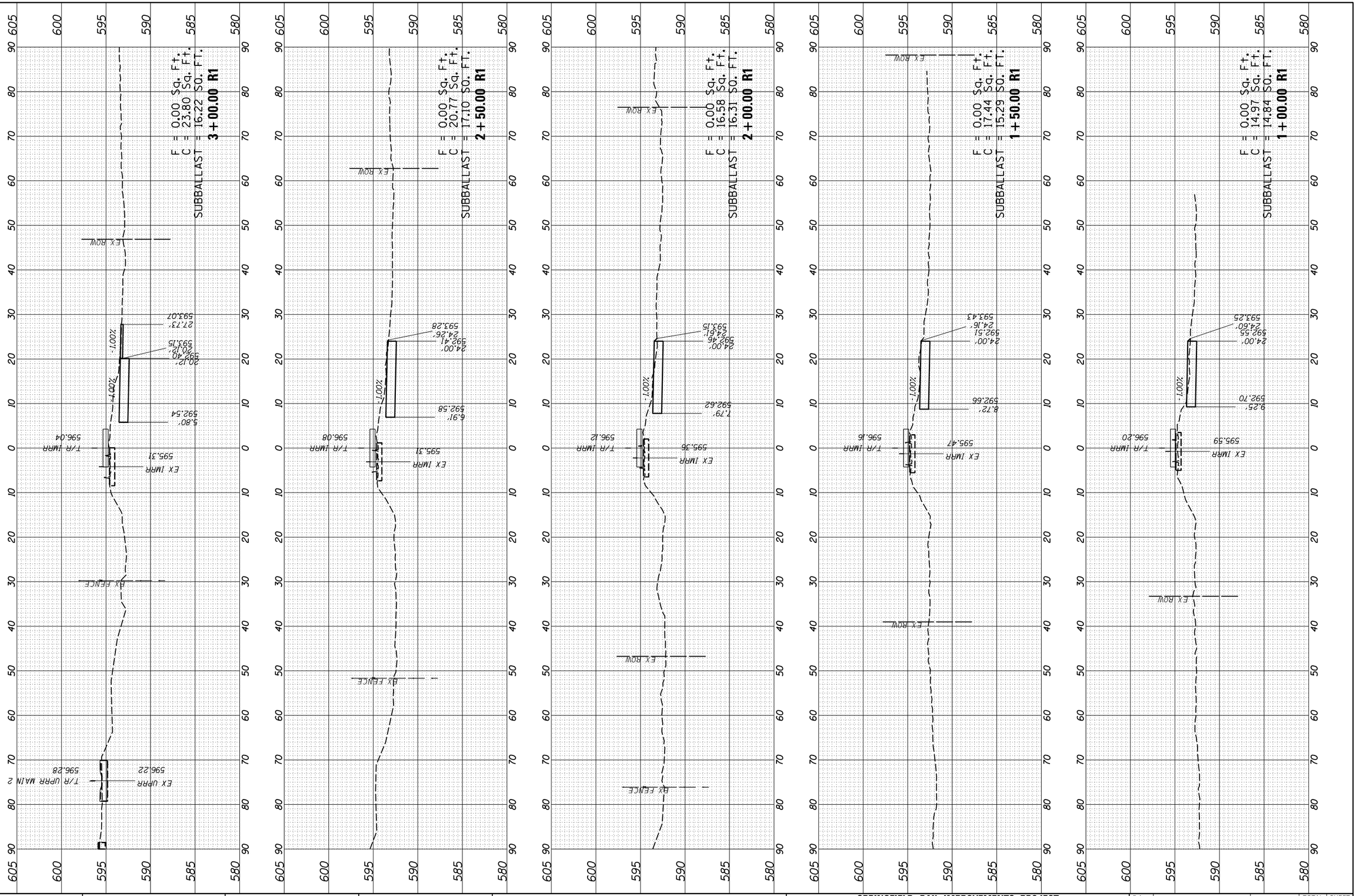
FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		

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



USER NAME = pop00275	DESIGNED - GCN	REVISED -	
	DRAWN - RH	REVISED -	
PLOT SCALE = 20.00 ' / In.	CHECKED - GCN	REVISED -	
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – TRACK – IMRR

SCALE: | SHEET 2 OF 3 SHEETS | STA. 1+00.00 R1 TO STA. 3+00.00 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7972	20-00492-00-BR & 22-00492-01-BR	SANGAMON	714	588
	09L0179B	CONTRACT NO. 93773		
		ILLINOIS FED. AID PROJECT		

FINAL PLANS
MODEL: 2
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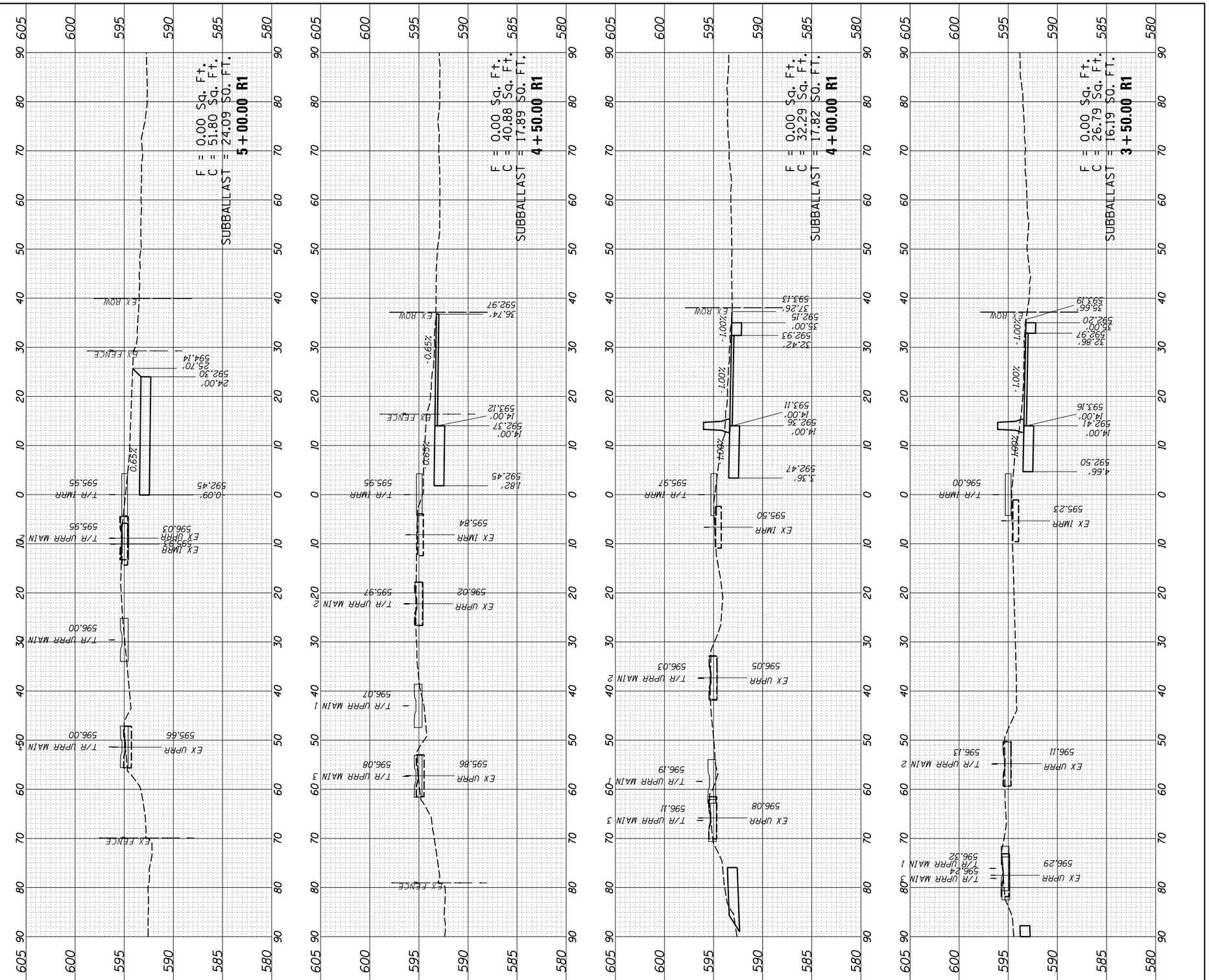
ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

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



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	DRAWN - RH	REVISED -	
PLOT SCALE = 20.00 ' / In.	CHECKED - GCN	REVISED -	
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – TRACK – IMRR

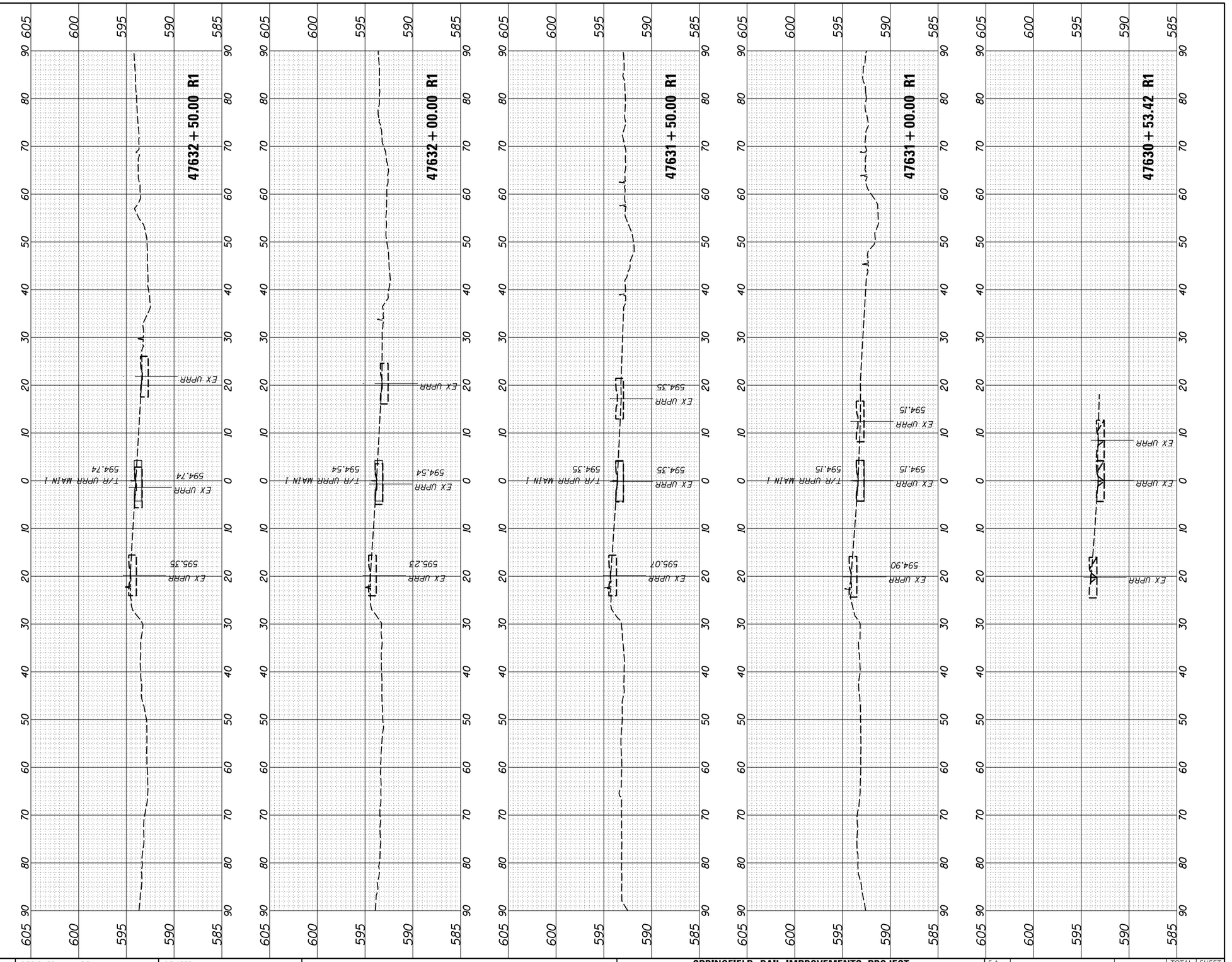
SCALE: | SHEET 3 OF 3 SHEETS | STA. 3+50.00 R1 TO STA. 5+00.00 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7972	20-00492-00-BR & 22-00492-01-BR	SANGAMON	714	589
	09L0179B	CONTRACT NO. 93773		
		ILLINOIS FED. AID PROJECT		

FINAL PLANS
MODEL: 3
FILE NAME: pw:\\hansoninc-pw.bentley.com:hanson-pw-01\Documents\09Jobs\09L0179B\Usable Segments III - V - VI\CAD\Rail\Usable Segment VI - IDOT\Sheet\D609L0179B-SHT-Sections-Track_IMRR.dgn

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

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



FINAL SURVEY	
NOTE BOOK	
NO.	

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

ORIGINAL SURVEY	
NOTE BOOK	
NO.	

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

FINAL PLANS

MODEL: Sheet 1
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USER NAME = pop00275	DESIGNED - GCN	REVISED -
	DRAWN - RH	REVISED -
PLOT SCALE = 20.00 ' / in.	CHECKED - GCN	REVISED -
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

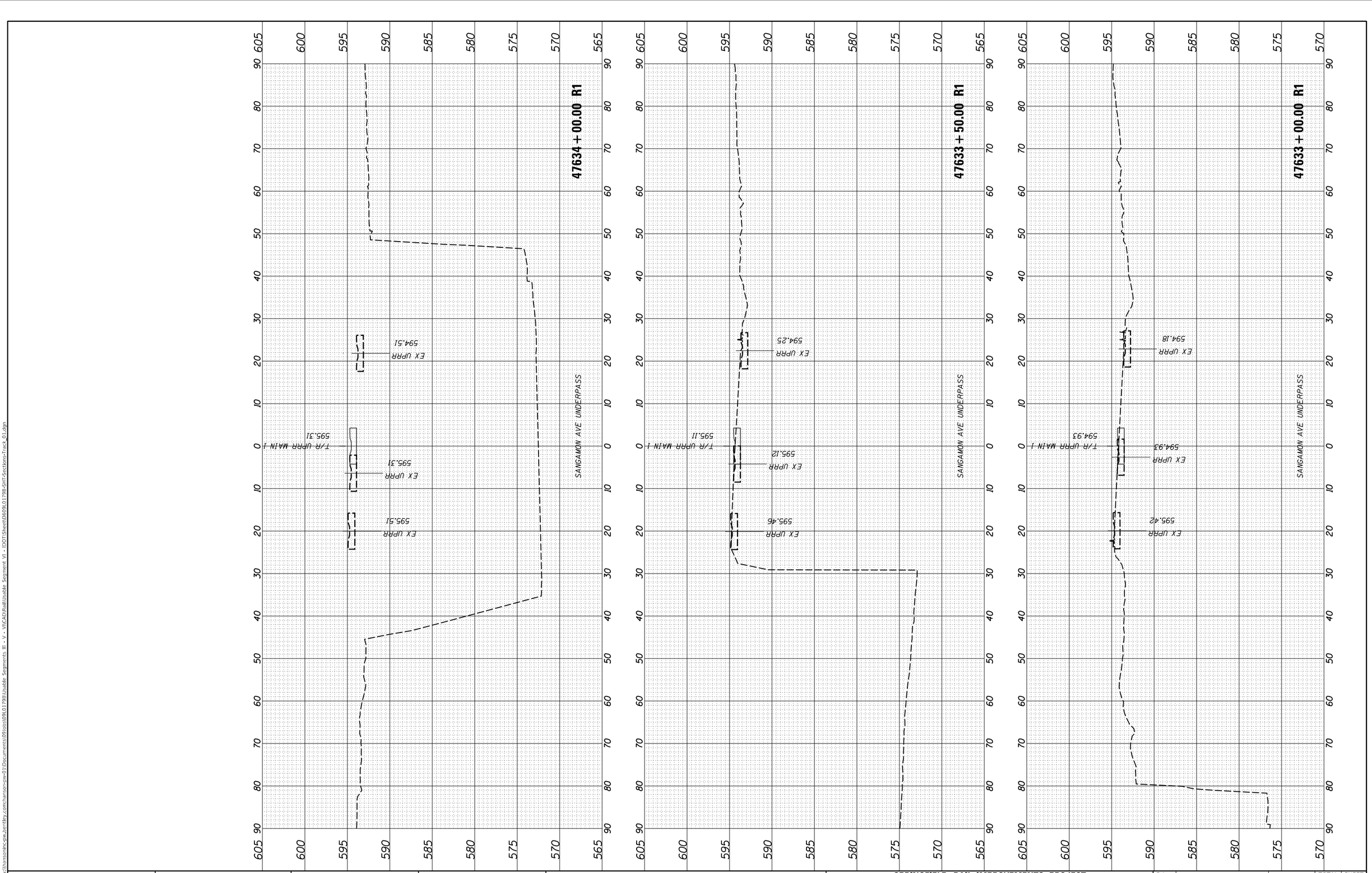
SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – TRACK

SCALE: SHEET 1 OF 125 SHEETS STA. 47630+53.42 R1 TO STA. 47632+50.00 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720	00492-00-BR & 22-00492-01-BR	SANGAMON	714	590
	09L0179B	CONTRACT NO. 93773		
	ILLINOIS FED. AID PROJECT			

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

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



FINAL PLANS

MODEL: Sheet 2

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USER NAME = pop00275	DESIGNED - GCN	REVISED -
	DRAWN - RH	REVISED -
PLOT SCALE = 20.00 ' / in.	CHECKED - GCN	REVISED -
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

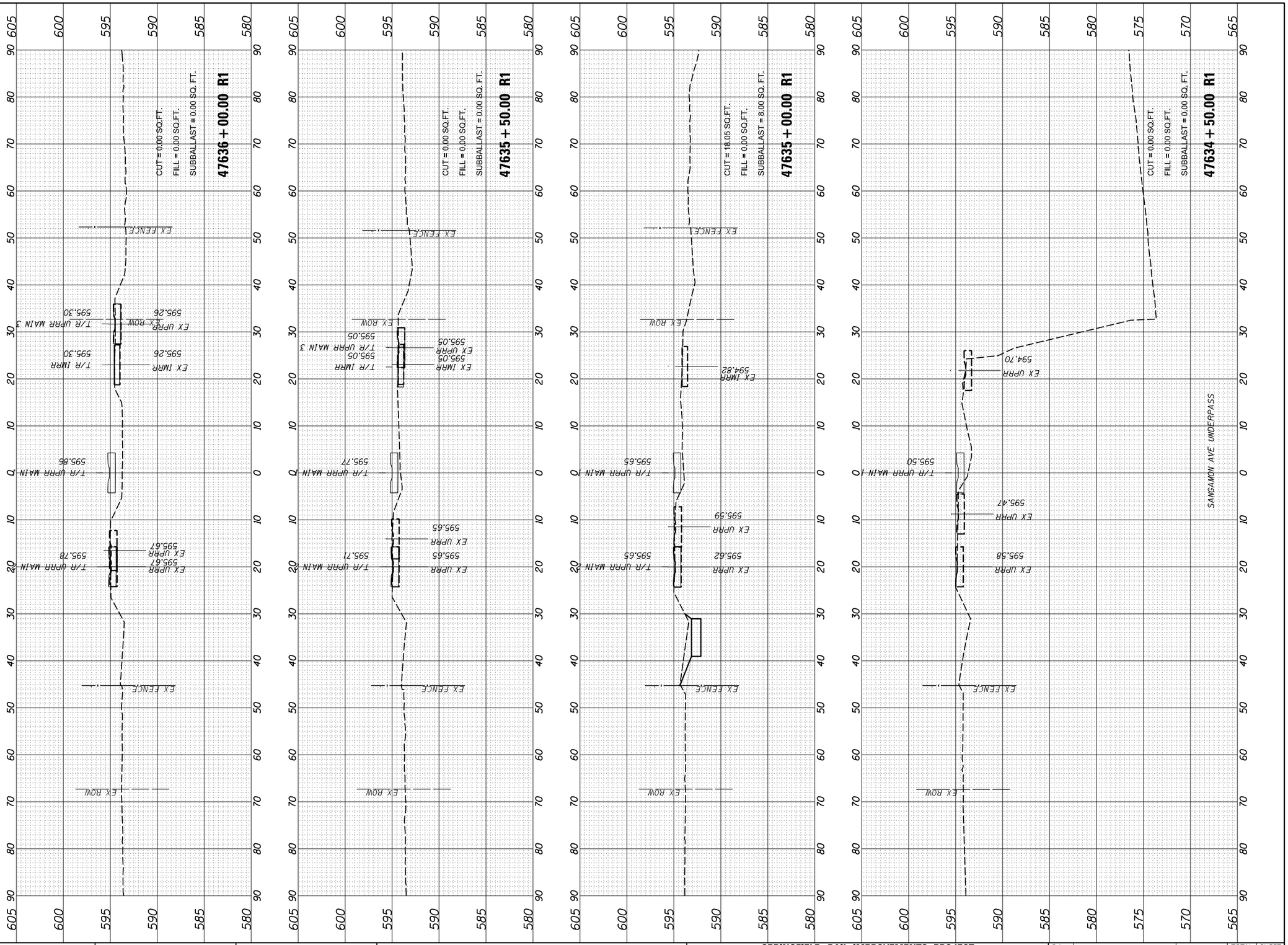
SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – TRACK

SCALE:

SHEET 2 OF 125 SHEETS

STA. 47633+00.00 R1 TO STA. 47634+00.00 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720-00492-00-BR & 22-00492-01-BR		SANGAMON	714	591
	09L0179B	CONTRACT NO. 93773		
ILLINOIS	FED. AID PROJECT			



FINAL PLANS

MODEL: Sheet 3
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FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		

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

USER NAME = pop00275	DESIGNED - GCN	REVISED -
	DRAWN - RH	REVISED -
PLOT SCALE = 20.00 ' / in.	CHECKED - GCN	REVISED -
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – TRACK

SCALE:

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720	00492-00-BR & 22-00492-01-BR	SANGAMON	714	592
	09L0179B	CONTRACT NO. 93773		
	ILLINOIS	FED. AID PROJECT		

SHEET 3 OF 125 SHEETS STA. 47634+50.00 R1 TO STA. 47636+00.00 R1

FINAL PLANS

MODEL: Sheet 4
FILE NAME: pw:\\hnt-pw.bentleycity.com:hamilton-pw-01\Documents\09lpop\09L0179B\Design\Cross Sections-Track\09L0179B_XS_Sheet 01.dgn

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

BY	DATE

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

BY	DATE

SEE CROSS SECTIONS - TRACK - IMRR FOR LEFT SIDE GRADING

47638+50.00 R1
CUT = 71.57 SQ.FT.
FILL = 0.00 SQ.FT.
SUBBALLAST = 27.57 SQ. FT.

47638+00.00 R1
CUT = 0.00 SQ.FT.
FILL = 0.00 SQ.FT.
SUBBALLAST = 0.00 SQ. FT.

47637+50.00 R1
CUT = 21.75 SQ.FT.
FILL = 0.00 SQ.FT.
SUBBALLAST = 8.99 SQ. FT.

47637+00.00 R1
CUT = 0.00 SQ.FT.
FILL = 0.00 SQ.FT.
SUBBALLAST = 0.00 SQ. FT.

47636+50.00 R1
CUT = 0.00 SQ.FT.
FILL = 0.00 SQ.FT.
SUBBALLAST = 0.00 SQ. FT.

USER NAME = pop00275	DESIGNED - GCN	REVISED -
	DRAWN - RH	REVISED -
PLOT SCALE = 20.00 ' / in.	CHECKED - GCN	REVISED -
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – TRACK

SCALE:
SHEET 4 OF 125 SHEETS
STA. 47636+50.00 R1 TO STA. 47638+50.00 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720	00492-00-BR & 22-00492-01-BR	SANGAMON	714	593
	09L0179B	CONTRACT NO. 93773		
	ILLINOIS FED. AID PROJECT			

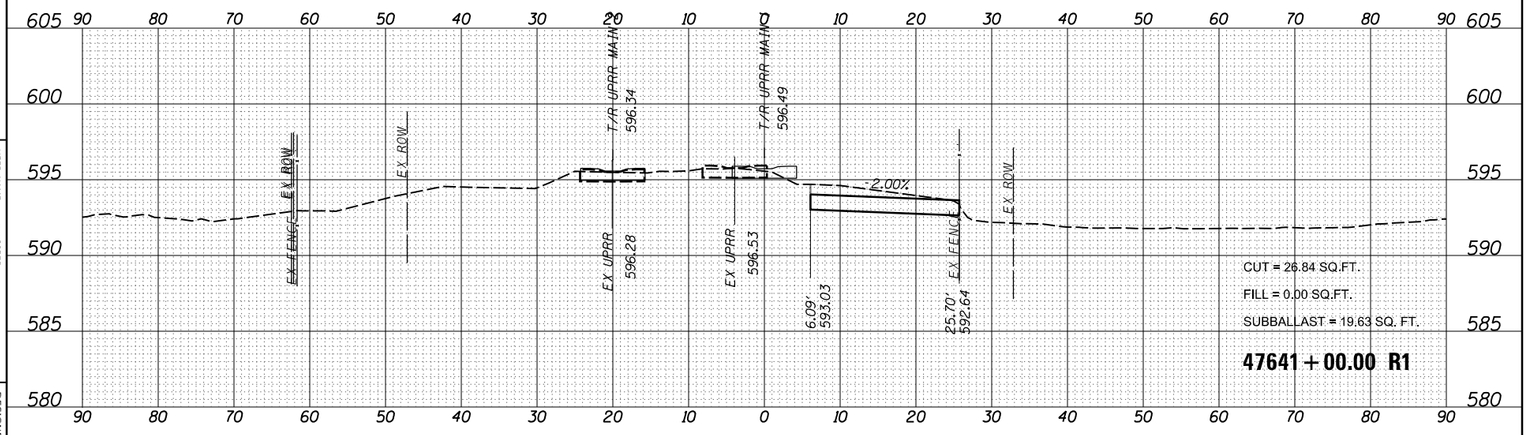
ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

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

FINAL PLANS

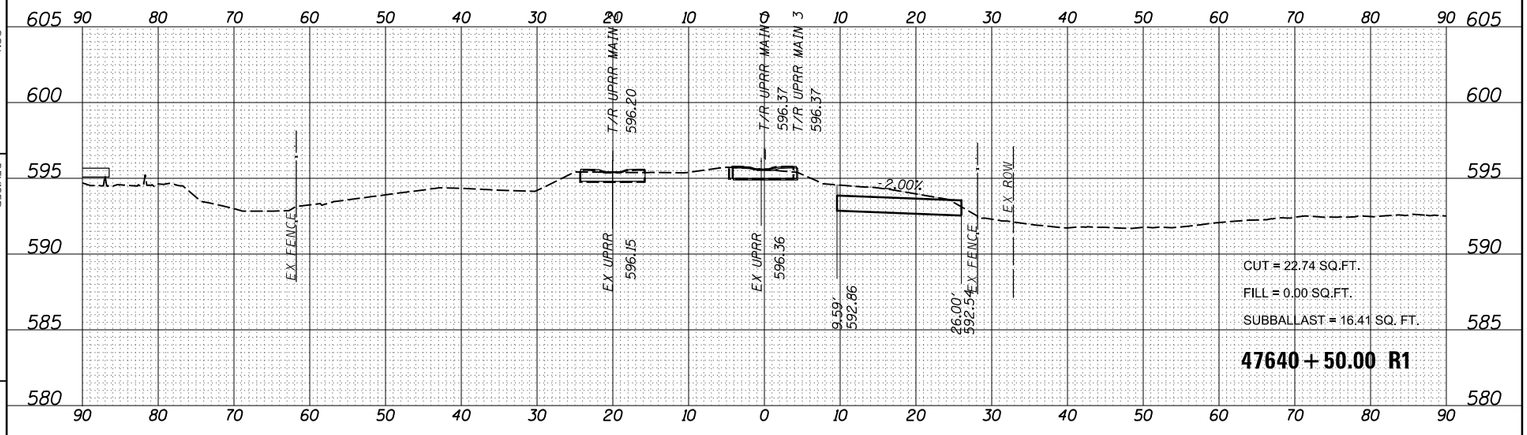
MODEL: Sheet 5

FILE NAME: pw:\\hansoninc-pw.bentley.com:hanson-pw-01\Documents\09Jobs\09L0179B\Usable Segments III - V - VI\CAD\Rail\Usable Segment VI - IDOT\Sheet\D609L0179B-SHT-Sections-Track_01.dgn



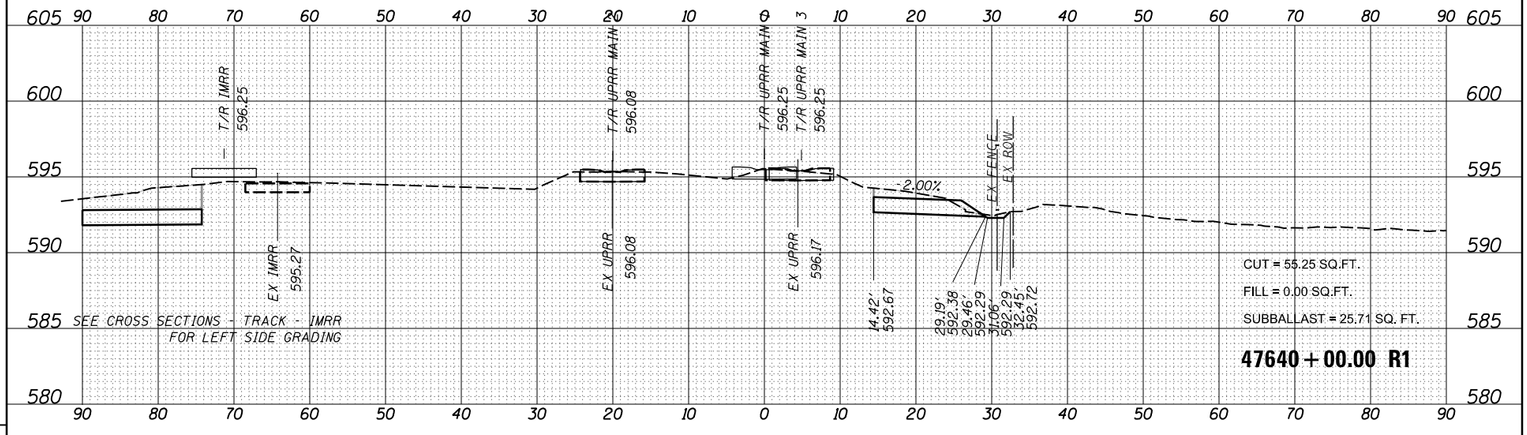
CUT = 26.84 SQ.FT.
FILL = 0.00 SQ.FT.
SUBBALLAST = 19.63 SQ. FT.

47641 + 00.00 R1



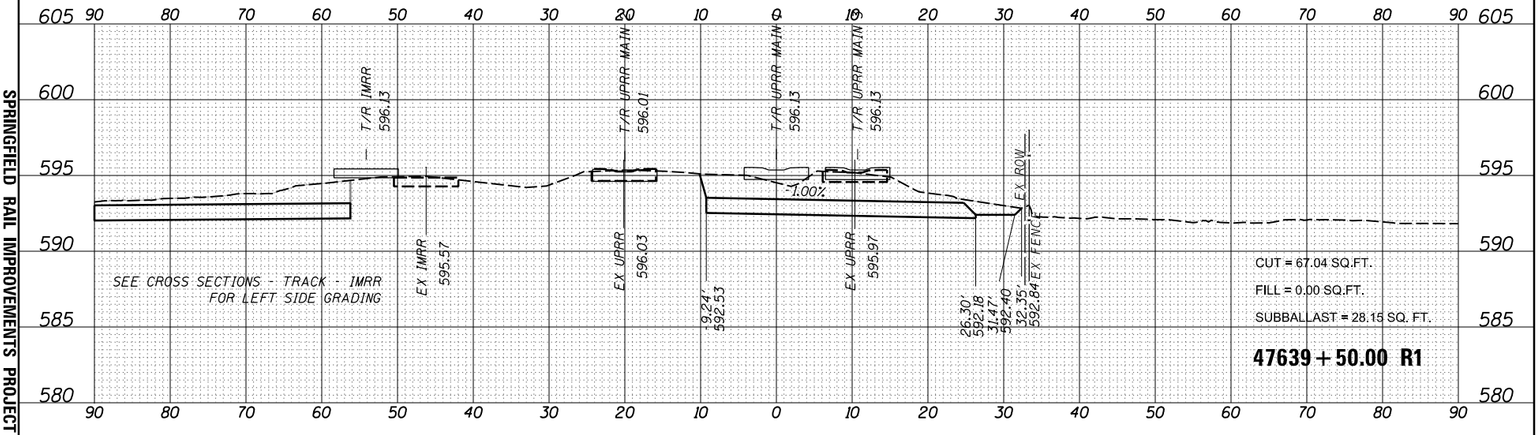
CUT = 22.74 SQ.FT.
FILL = 0.00 SQ.FT.
SUBBALLAST = 16.41 SQ. FT.

47640 + 50.00 R1



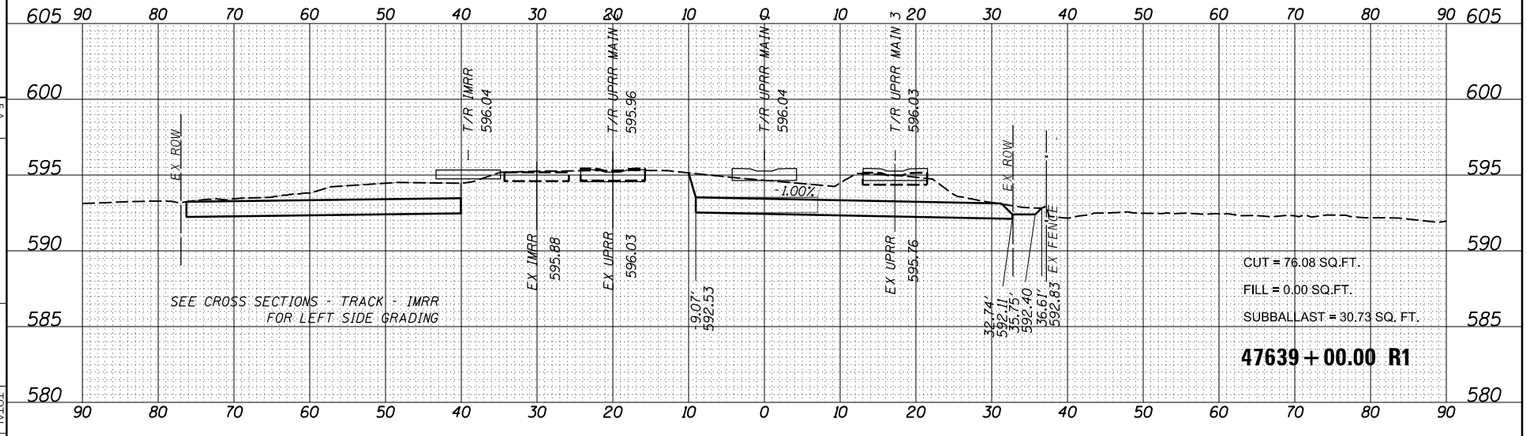
CUT = 55.25 SQ.FT.
FILL = 0.00 SQ.FT.
SUBBALLAST = 25.71 SQ. FT.

47640 + 00.00 R1



CUT = 67.04 SQ.FT.
FILL = 0.00 SQ.FT.
SUBBALLAST = 28.15 SQ. FT.

47639 + 50.00 R1



CUT = 76.08 SQ.FT.
FILL = 0.00 SQ.FT.
SUBBALLAST = 30.73 SQ. FT.

47639 + 00.00 R1

USER NAME = pop00275
PLOT SCALE = 20.00 ' / in.
PLOT DATE = 9/27/2024

DESIGNED - GCN
DRAWN - RH
CHECKED - GCN
DATE - 10/01/2024

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – TRACK

SHEET 5 OF 125 SHEETS | STA. 47639+00.00 R1 TO STA. 47641+00.00 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720-00492-00-BR & 22-00492-01-BR		SANGAMON	714	594

09L0179B

ILLINOIS | FED. AID PROJECT | CONTRACT NO. 93773

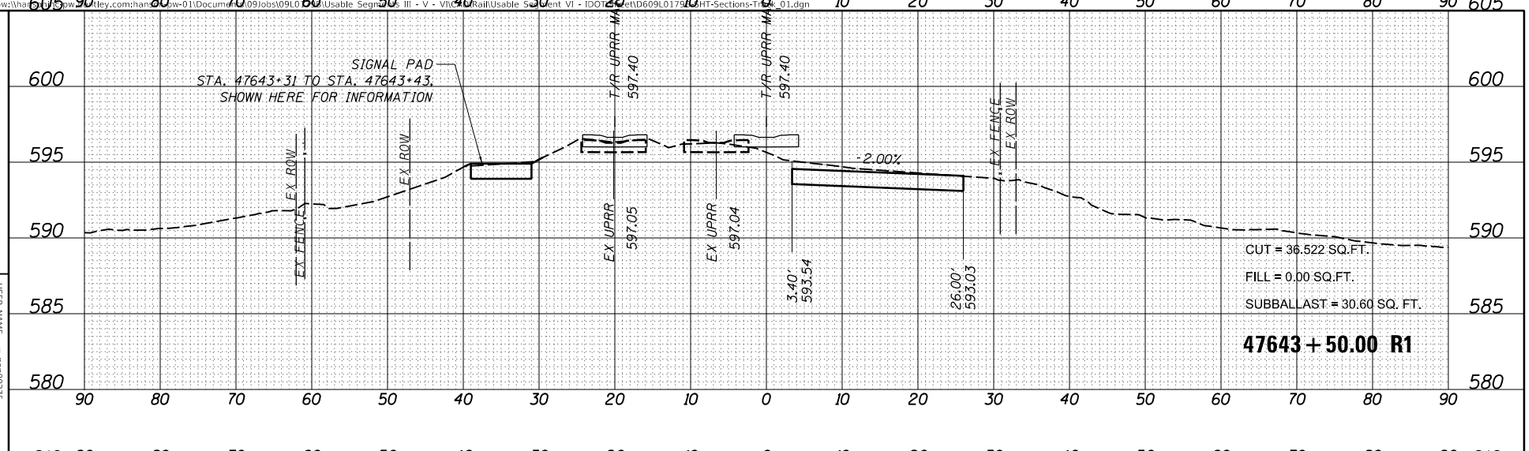
ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		

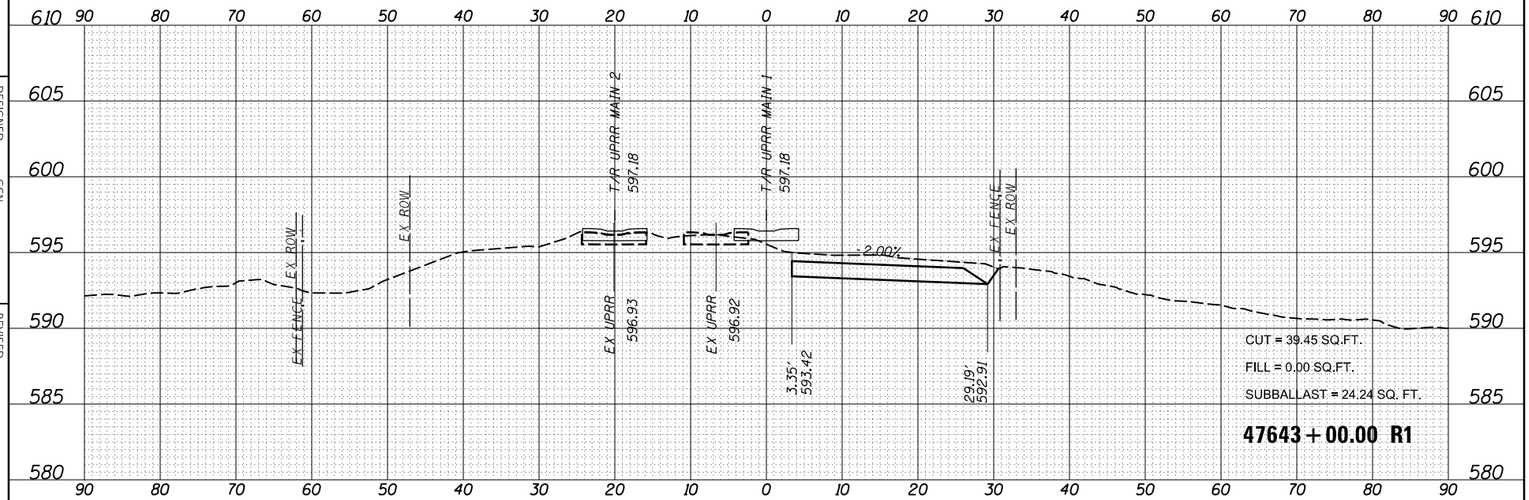
FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		

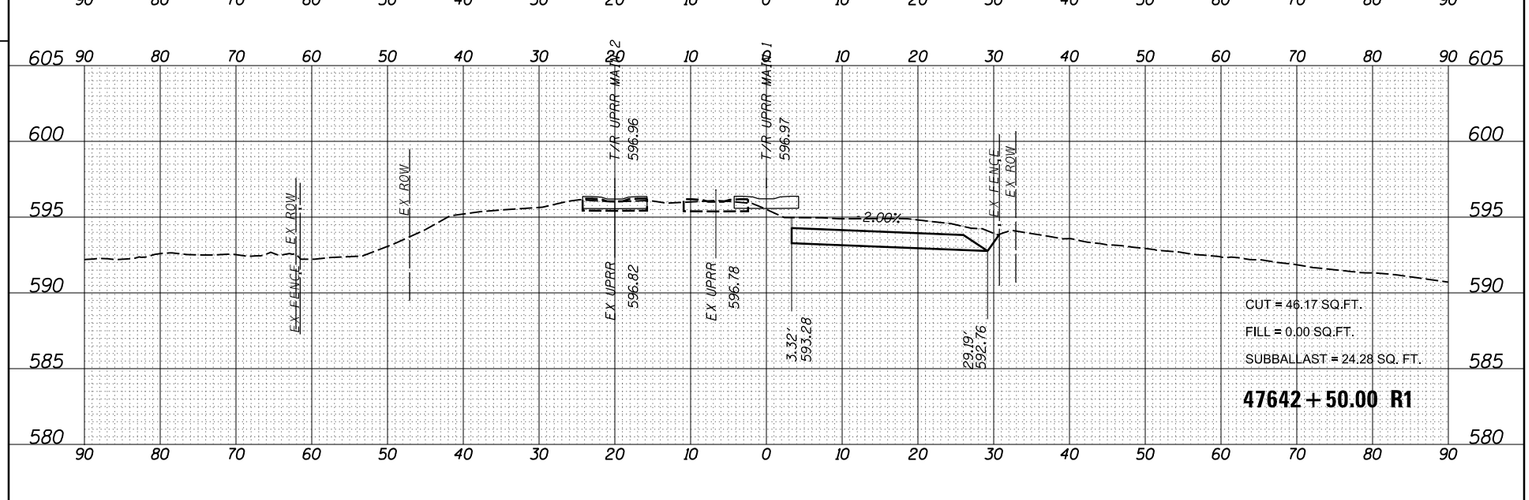
FINAL PLANS

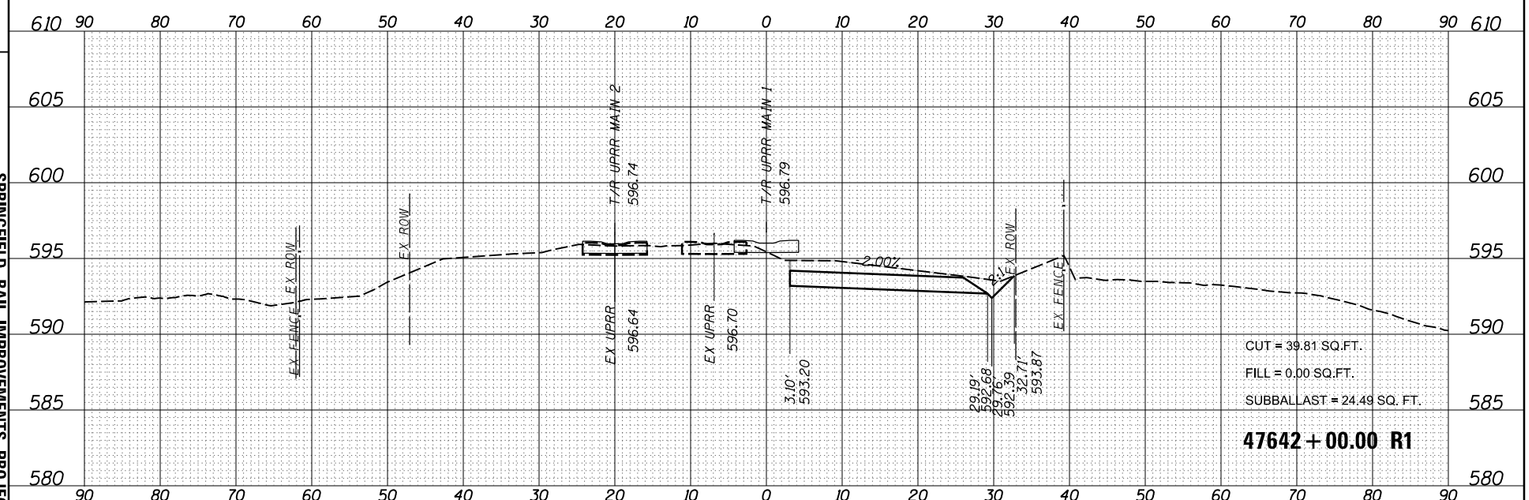
MODEL: Sheet 6

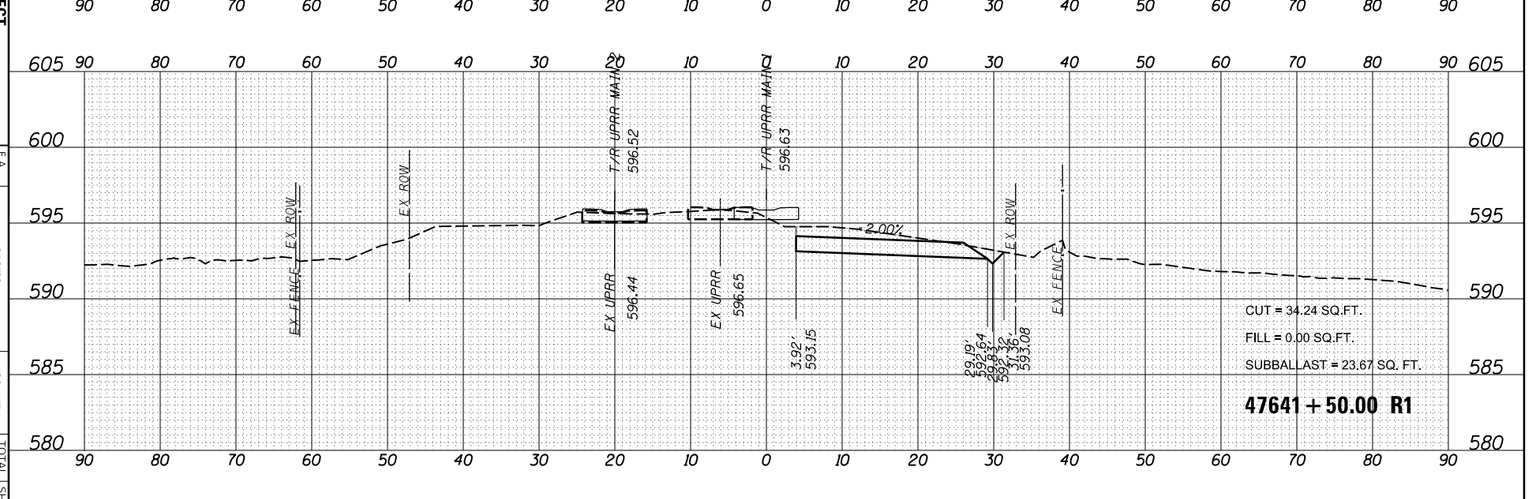
FILE NAME: pw:\\hanson-pw.bentley.com:hanson-pw-01\Documents\09Jobs\09L0179B\Usable Segment III - V - Viaduct Rail\Usable Segment VI - IDOT Sheet\D609L0179B_HT-Sections-Track_01.dgn











STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – TRACK

SCALE:

SHEET 6 OF 125 SHEETS

STA. 47641+50.00 R1 TO STA. 47643+50.00 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7972	00492-00-BR & 22-00492-01-BR	SANGAMON	714	595
	09L0179B	CONTRACT NO. 93773		
	ILLINOIS FED. AID PROJECT			

PLOT DATE = 9/27/2024 | PLOT SCALE = 20.00 ' / In. | USER NAME = pspl0275

DESIGNED - GCN	REVISED -
DRAWN - RH	REVISED -
CHECKED - GCN	REVISED -
DATE - 10/01/2024	REVISED -

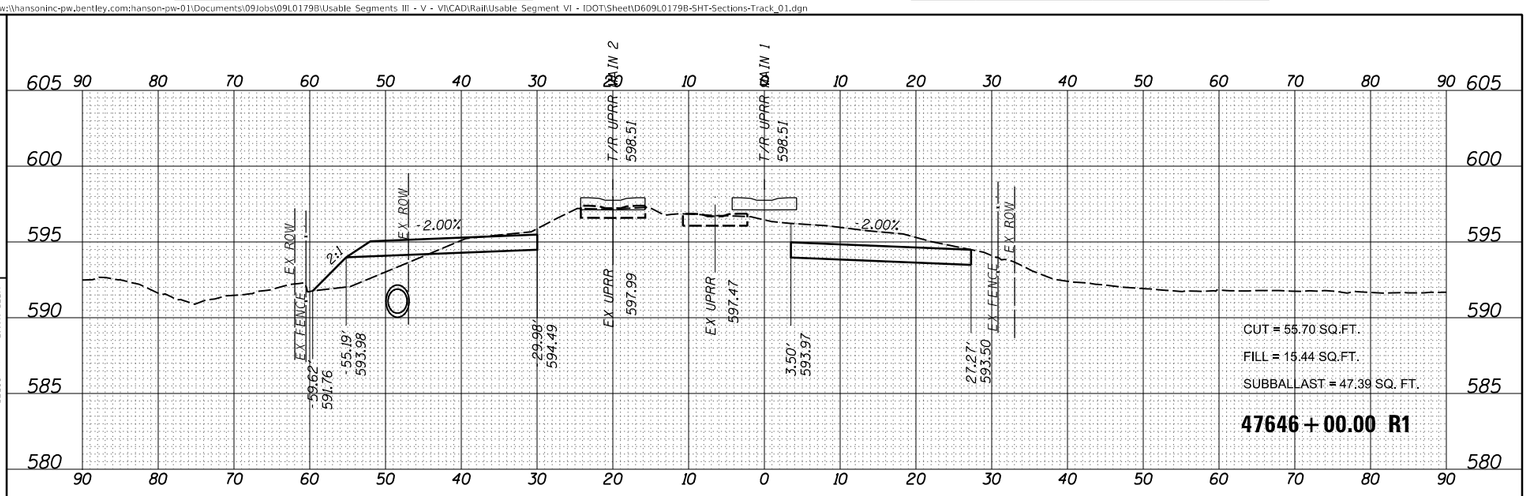
ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
NO.	AREAS		
	AREAS CHECKED		

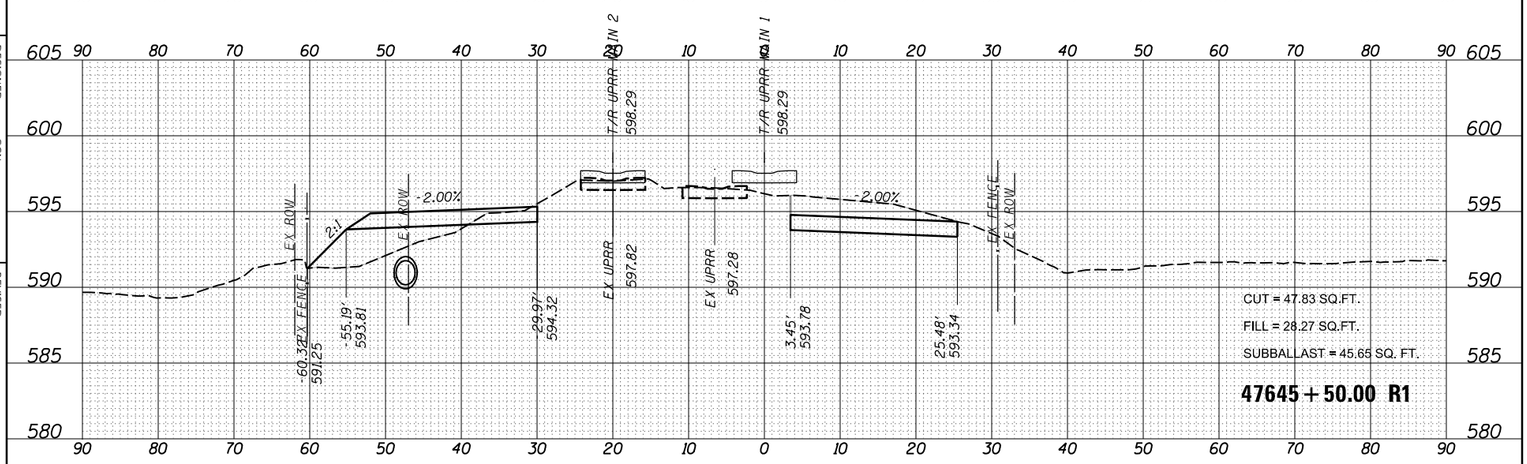
FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
NO.	AREAS		
	AREAS CHECKED		

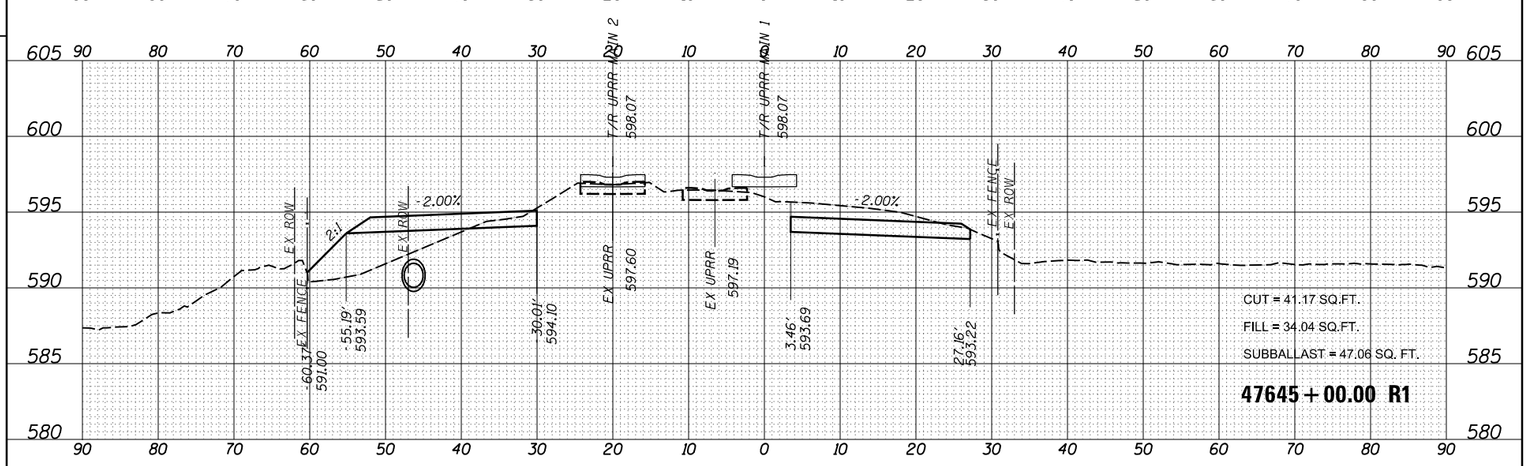
FINAL PLANS

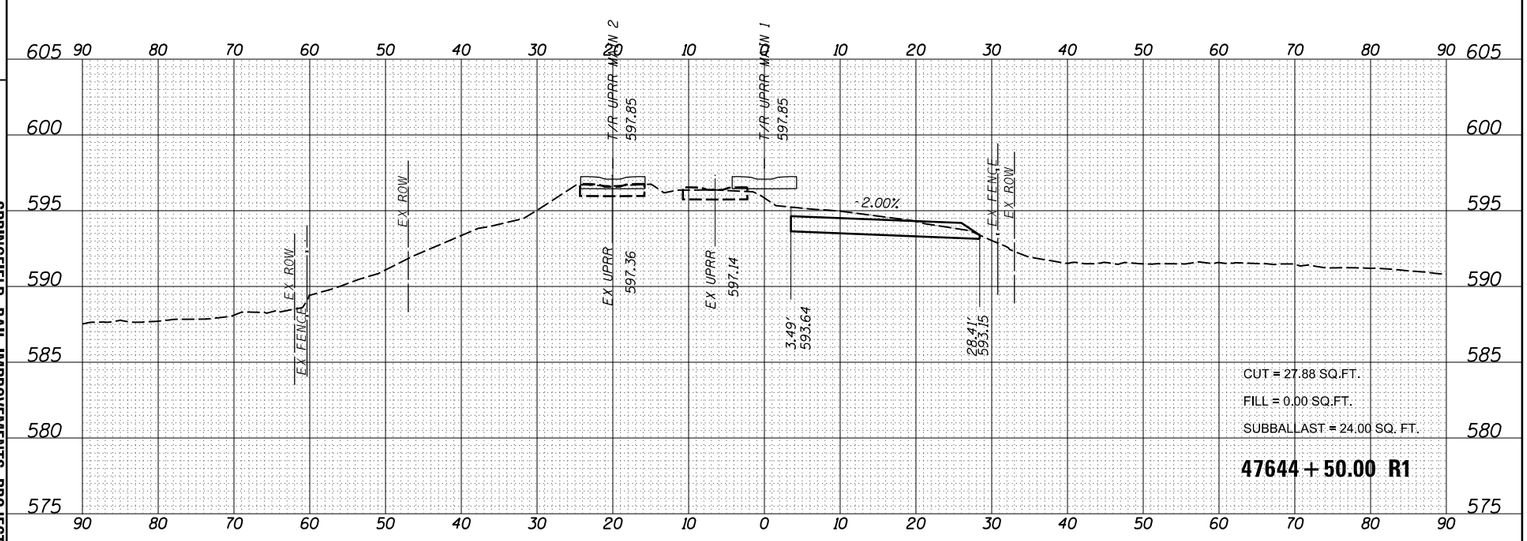
MODEL: Sheet 7

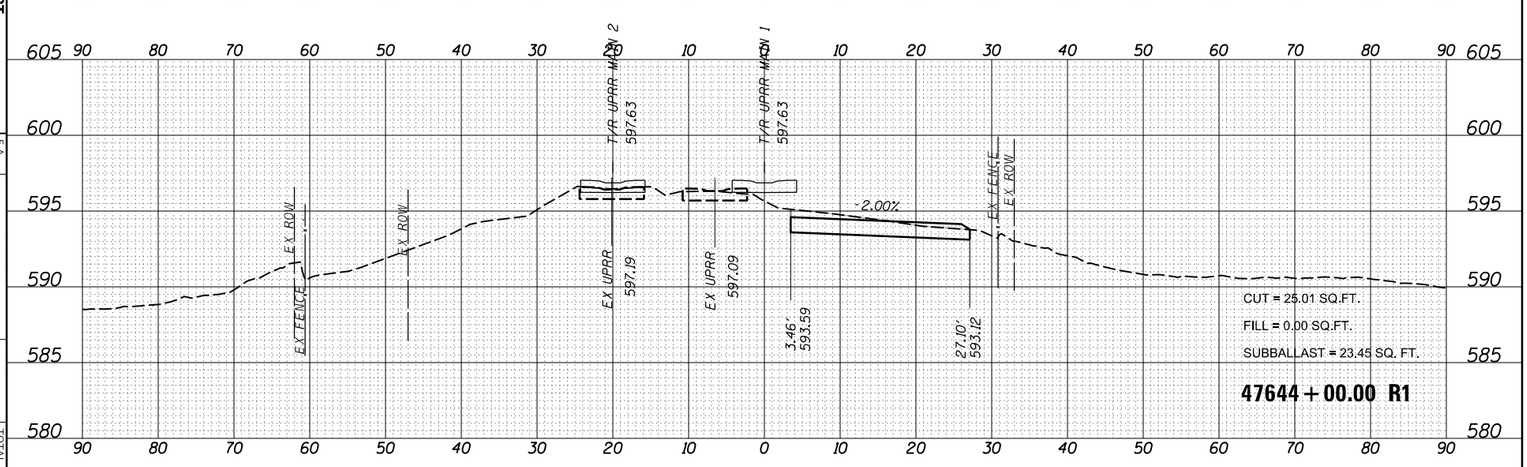
FILE NAME: pw://hansoninc-pw.bentley.com:hanson-pw-01\Documents\09Jobs\09L0179B\Usable Segments III - V - VI\CAD\Rail\Usable Segment VI - IDOT\Sheet\D609L0179B-SHT-Sections-Track_01.dgn











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PLOT DATE = 9/27/2024

DESIGNED - GCN
DRAWN - RH
CHECKED - GCN
DATE - 10/01/2024

REVISED -
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REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

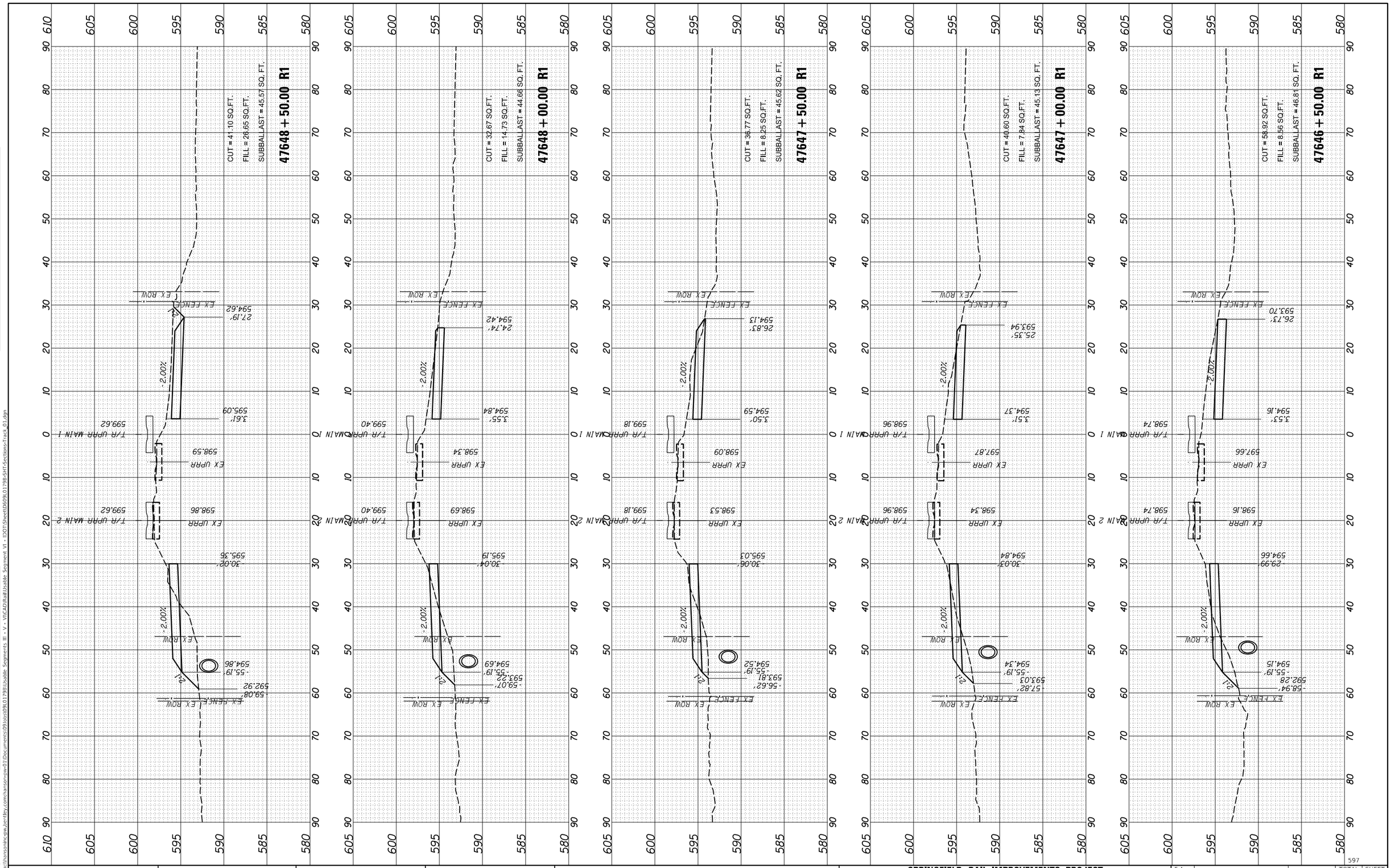
SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – TRACK

SCALE:

SHEET 7 OF 125 SHEETS

STA. 47644+00.00 R1 TO STA. 47646+00.00 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720	00492-00-BR & 22-00492-01-BR	SANGAMON	714	596
	09L0179B	CONTRACT NO. 93773		
	ILLINOIS	FED. AID PROJECT		



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PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – TRACK

SCALE: | SHEET 8 OF 125 SHEETS | STA. 47646+50.00 R1 TO STA. 47648+50.00 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720	00492-00-BR & 22-00492-01-BR	SANGAMON	714	597
	09L0179B		CONTRACT NO. 93773	
		ILLINOIS	FED. AID PROJECT	

597

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

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

FINAL PLANS

MODEL: Sheet 8
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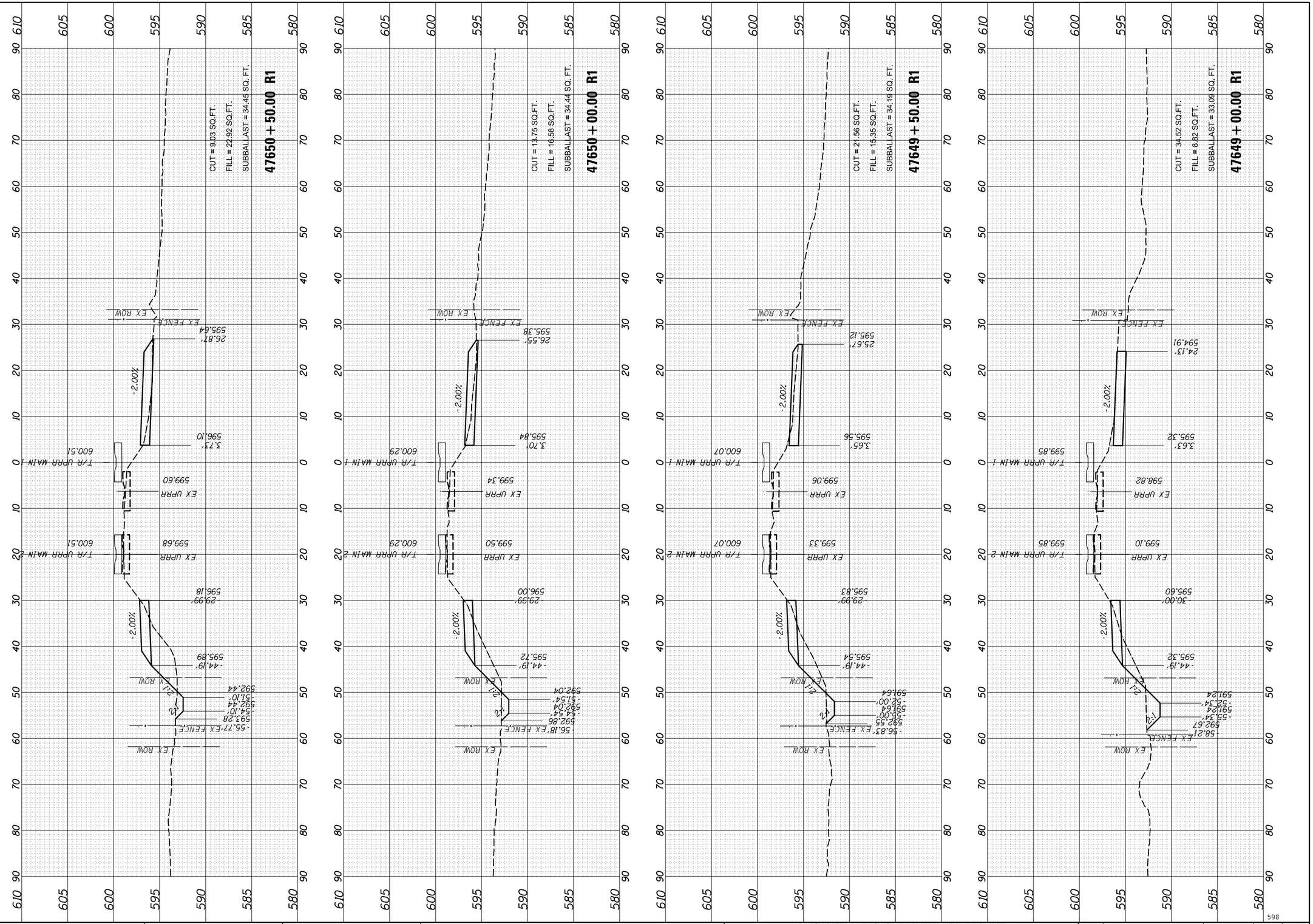

598

FINAL PLANS

MODEL: Sheet 9
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FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		

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

USER NAME = pop00275	DESIGNED - GCN	REVISED -	
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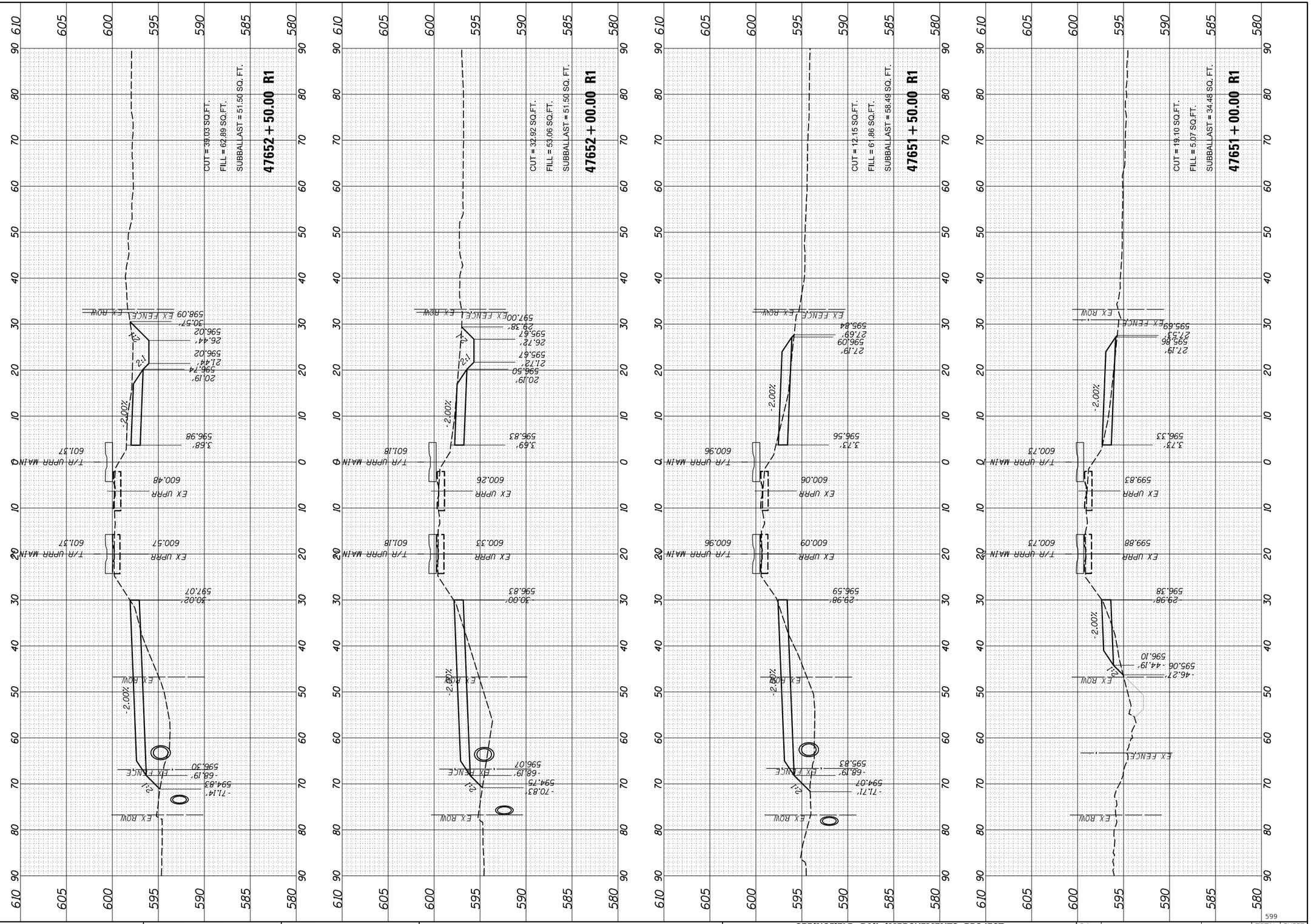
PLOT SCALE = 20.00 ' / in.	CHECKED - GCN	REVISED -	
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – TRACK

SCALE: | SHEET 9 OF 125 SHEETS | STA. 47649+00.00 R1 TO STA. 47650+50.00 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720	00492-00-BR & 22-00492-01-BR	SANGAMON	714	598
	09L0179B	CONTRACT NO. 93773		
	ILLINOIS	FED. AID PROJECT		



FINAL PLANS

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

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

MODEL: Sheet 10
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PLOT SCALE = 20.00 ' / in.	CHECKED - GCN	REVISED -
PLOT DATE = 9/27/2024	DATE - 10/01/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – TRACK

SCALE:

SHEET 10 OF 125 SHEETS | STA. 47651+00.00 R1 TO STA. 47652+50.00 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720-00492-00-BR & 22-00492-01-BR		SANGAMON	714	599
	09L0179B		CONTRACT NO. 93773	
		ILLINOIS	FED. AID PROJECT	

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

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

FINAL PLANS

MODEL: Sheet 11

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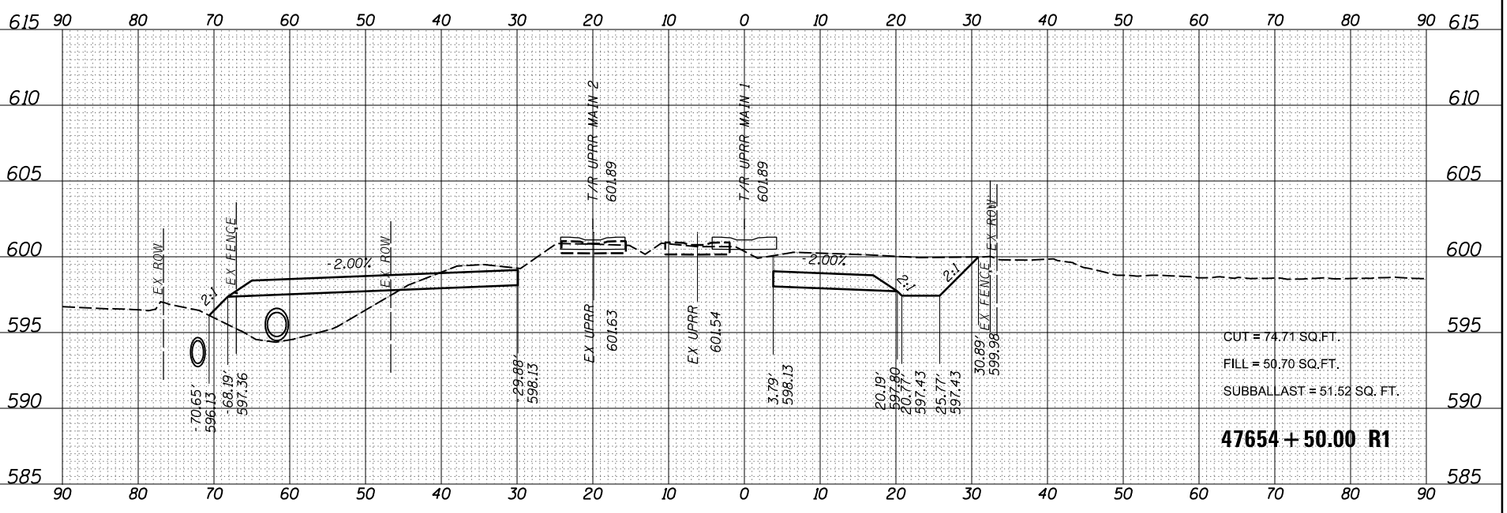

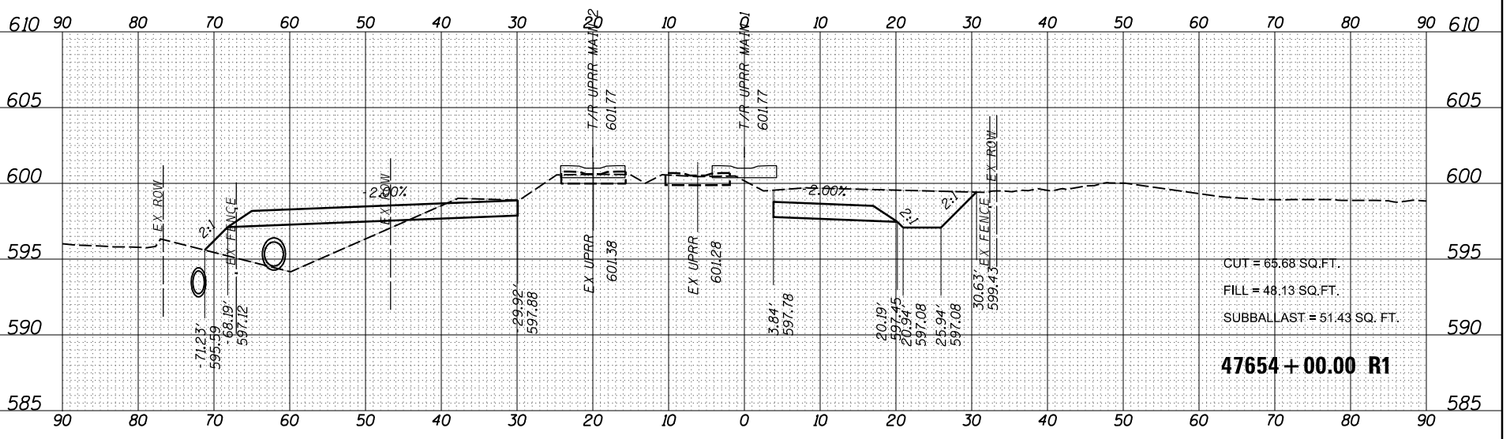

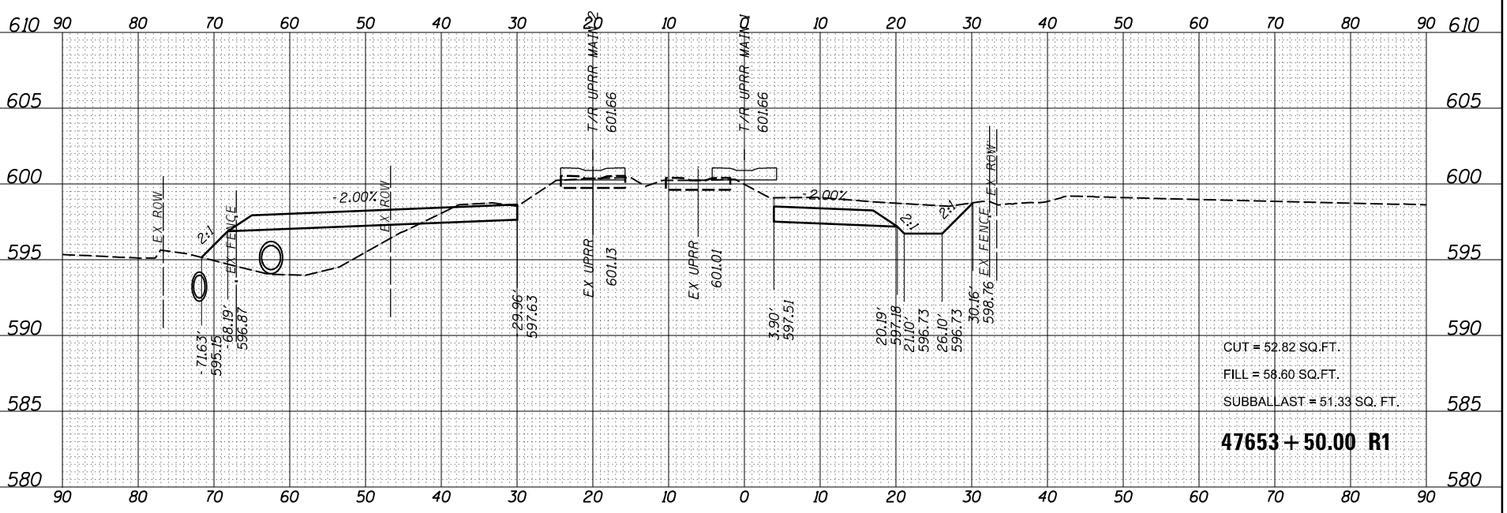

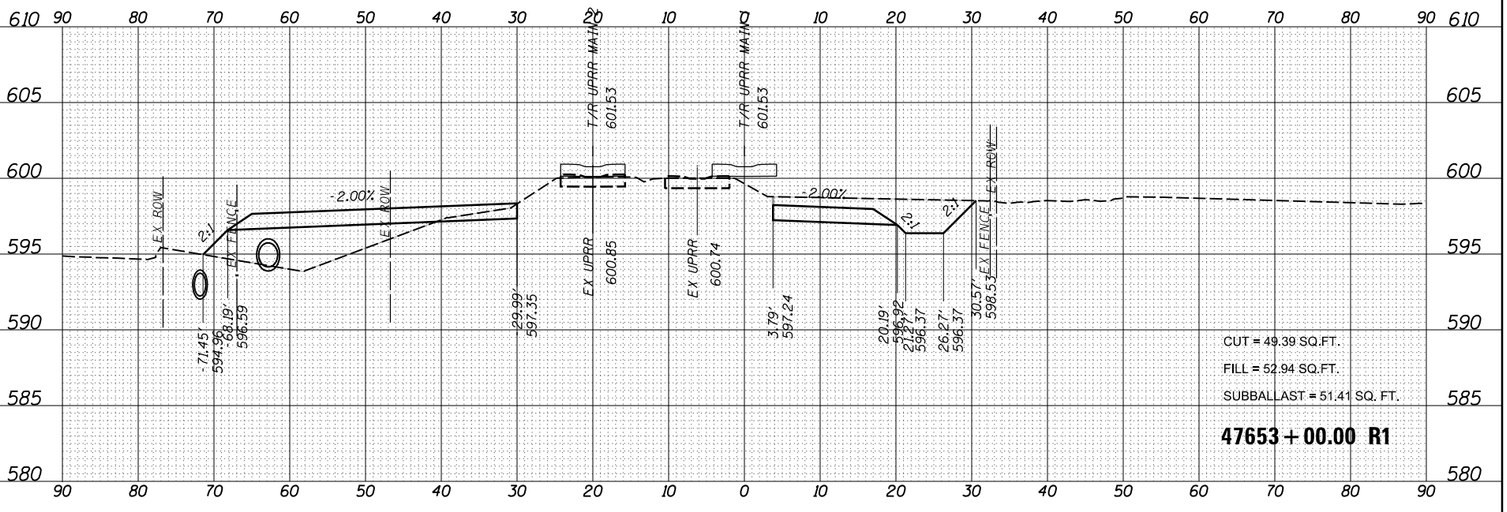

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PLOT DATE = 9/27/2024

DESIGNED - GCN
DRAWN - RH
CHECKED - GCN
DATE - 10/01/2024

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
CROSS SECTIONS – TRACK

SCALE:

SHEET 11 OF 125 SHEETS

STA. 47653+00.00 R1 TO STA. 47654+50.00 R1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
79720	00492-00-BR & 22-00492-01-BR	SANGAMON	714	600
	09L0179B	CONTRACT NO. 93773		

ILLINOIS FED. AID PROJECT

600