

MODEL: Sheet 8
FILE: hanson-pro-hanson-cow-bentley.com-hanson-cw-d11documents090es09l01798lUsable Segments III - V - VNCADpailUsable Segments III - V - VNCADpailUsable Segment VI - ID01Sheet0609l01798l500-USV4001.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	USABLE SEGMENT VIA FUNDS			USABLE SEGMENT VIB FUNDS					CITY FUNDS	
				NORTH GRAND BRIDGE 084-9973	RETAINING WALLS	ROADWAY	NORTH GRAND UPRR BRIDGE 084-9972	RETAINING WALLS	ROADWAY	RAILWAY	RAILWAY ILES CP	MISC.	
				100% GCPF ELIGIBLE	100% GCPF ELIGIBLE	100% GCPF ELIGIBLE	100% GCPF ELIGIBLE	100% GCPF ELIGIBLE	100% GCPF ELIGIBLE	100% GCPF ELIGIBLE	0% GCPF ELIGIBLE	0% GCPF ELIGIBLE	
				0008	0044	0004	0008	0044	0004	0044	0044	0044	
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	40			20			20				
60108104	PIPE UNDERDRAINS, TYPE 1, 4"	FOOT	1370						1370				
60108208	PIPE UNDERDRAINS, TYPE 2, 8"	FOOT	539							539			
60108212	PIPE UNDERDRAINS, TYPE 2, 12"	FOOT	2610							2610			
60108215	PIPE UNDERDRAINS TYPE 2, 15"	FOOT	370							370			
60146304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	2115					2115					
60146306	PIPE UNDERDRAINS FOR STRUCTURES 6"	FOOT	102				102						
60146307	PIPE UNDERDRAINS FOR STRUCTURES (SPECIAL) 6"	FOOT	37				37						
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	33			12			11	10			
60218500	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	13			8			5				
60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	10			1				9			
60219200	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 10 FRAME AND GRATE	EACH	2			2							
60219570	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 3V FRAME AND GRATE	EACH	1			1							
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	9			1			8				
60221200	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	4			4							
60221700	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	EACH	3			2			1				
60222270	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 3V FRAME AND GRATE	EACH	4						4				

▲ SPECIALTY ITEM

	USER NAME = pop00275	DESIGNED - JAD	REVISED -  12/18/2024 J.A.D.
		DRAWN - DJP	REVISED -
	PLOT SCALE = 0.19 ' / in.	CHECKED - JAD	REVISED -
	PLOT DATE = 12/19/2024	DATE - 12/03/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
SUMMARY OF QUANTITIES - 8

SCALE: SHEET 8 OF 22 SHEETS STA. TO STA.

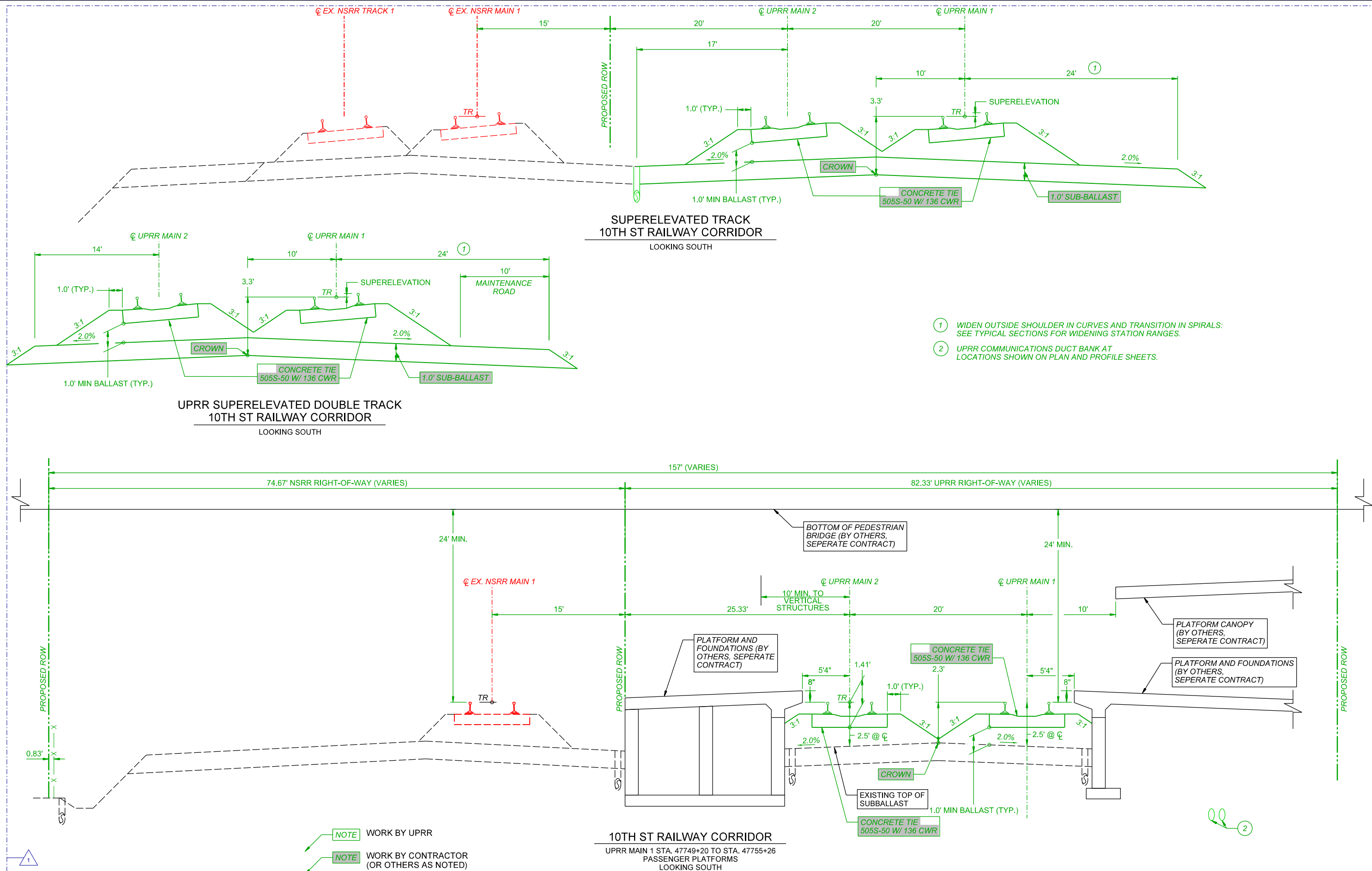
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7972	20-00492-00-BR & 22-00492-01-BR	SANGAMON	714	13
09L0179B		CONTRACT NO. 93773		
ILLINOIS		FED. AID PROJECT		

PROFILE	SURVEYED _____	BY _____	DATE _____
	PLOTTED _____		
	GRADES CHECKED _____		
	B.M. NOTED _____		
NOTE BOOK	STRUCTURE NOTATIONS CHKD _____		
NO. _____			

MODEL: Sheet 4

NO. _____	STRUCTURE NOTATIONS CHKD
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UPPER dan



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7972	20-00492-00-BR & 22-00492-01-BR	SANGAMON	714	59
09L0179B		CONTRACT NO. 93773		
ILLINOIS		FED. AID PROJECT		

MODEL: Sheet 3
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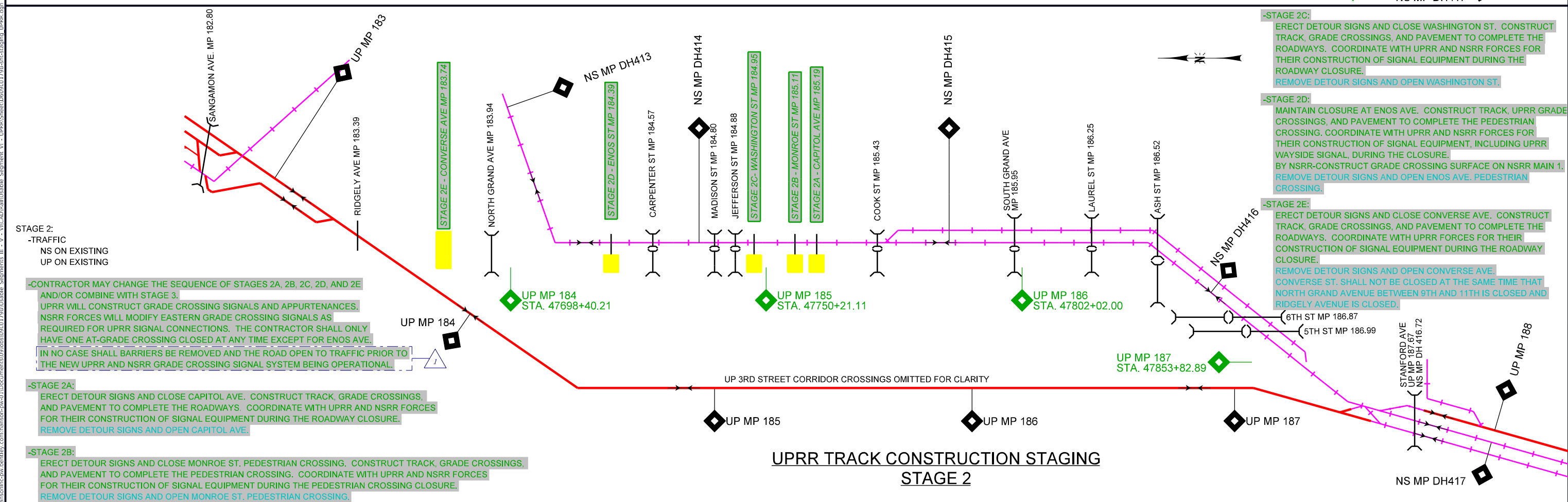
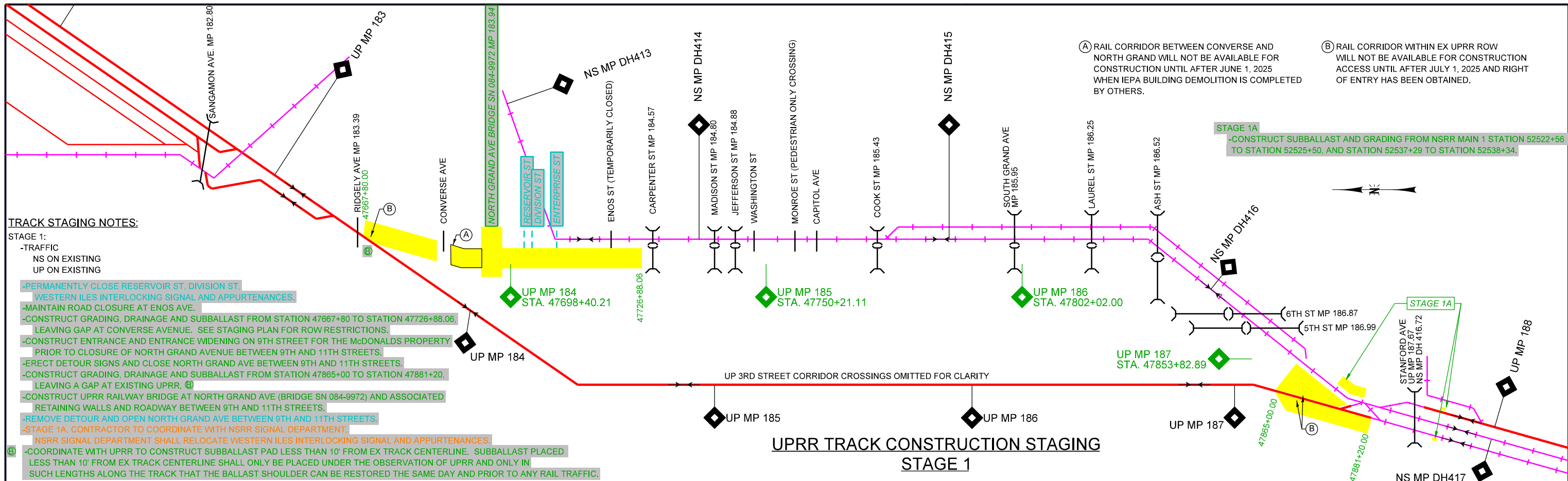
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
REMOVAL PLANS – NORTH GRAND AVENUE OVERPASS – 3**

SCALE:	SHEET 3 OF 5 SHEETS	STA. TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7972	20-00492-00-BR & 22-00492-01-BR	SANGAMON	714	131
09L0179B		CONTRACT NO. 93773		
	ILLINOIS	FED. AID PROJECT		

PROFILE NOTE BOOK NO. _____	SURVIVED _____	BY _____ DATE _____
	PLOTTED _____	
	GRADES CHECKED _____	
	B.M. NOTED _____	
	STRUCTURE NOTATIONS CHKD _____	





- (A) SPBGR TYP A W/ROAD CLOSED
R11-2 48" x 30" AND OM4-3 18" x 18"
AT GUARDRAIL
- (B) SN 084-9973
SEE STRUCTURE PLANS
STA. 997+34.78 = NSRR MP DH 413.02
STA. 999+48.02 = IMRR MP 86.06

- (C) SPLASH BLOCK FOR BRIDGE DRAINAGE OUTLET
LOCATE MIN 6" BEYOND RR ROW
DIRECT FLOW TOWARDS DITCH
- (D) IMRR CONTROL POINT SIGNALS AND
8'x8' SIGNAL HOUSE. SEE SPECIAL
PROVISION "RAILROAD SIGNALS"



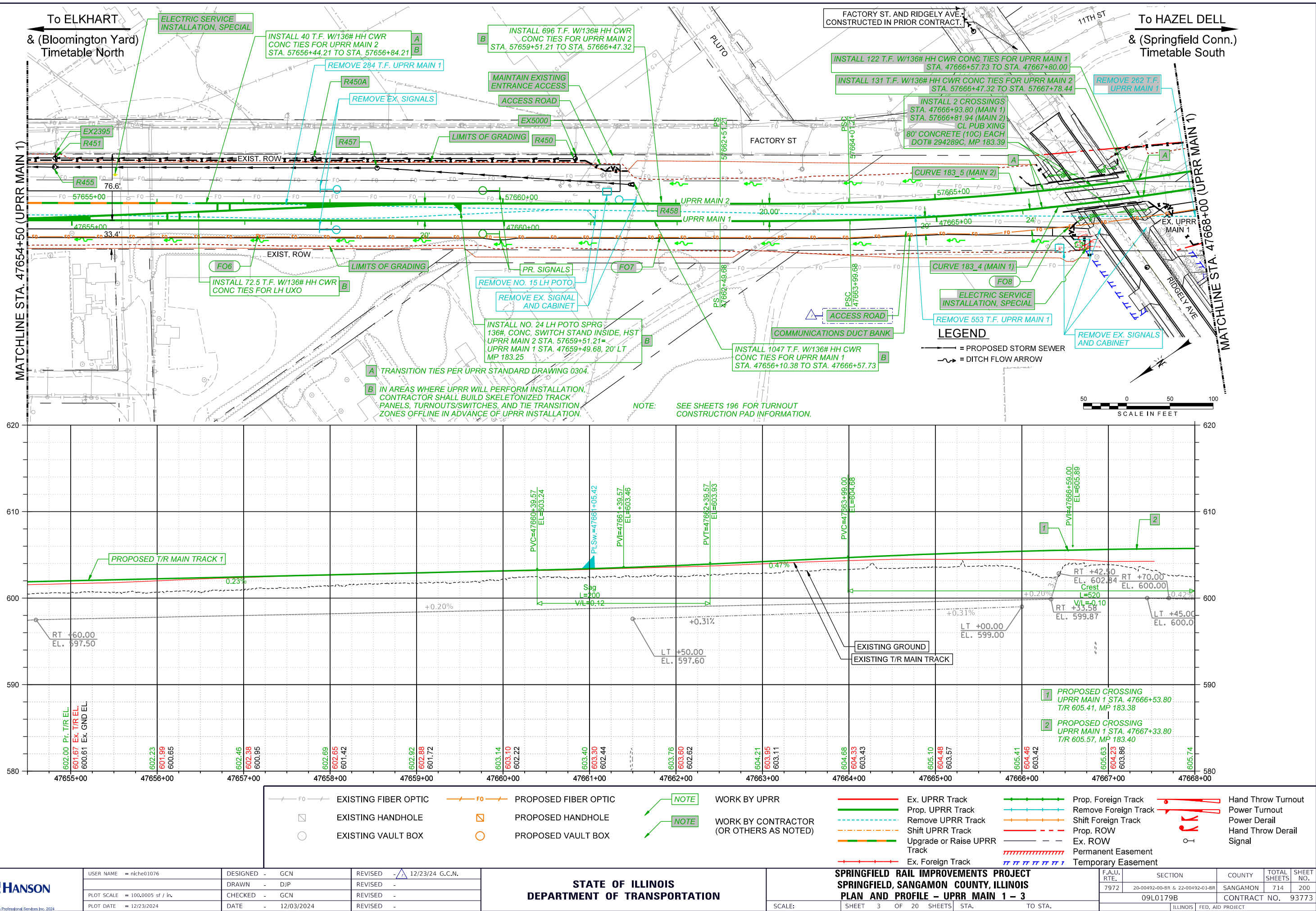
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	PLOTTED		
	ALIGNED		
	CHECKED		
	CADD FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES		
	CHECKED		
	STRUCTURE		
	NOTATION		
	NO.		

FINAL PLANS

MODEL: Sheet 3
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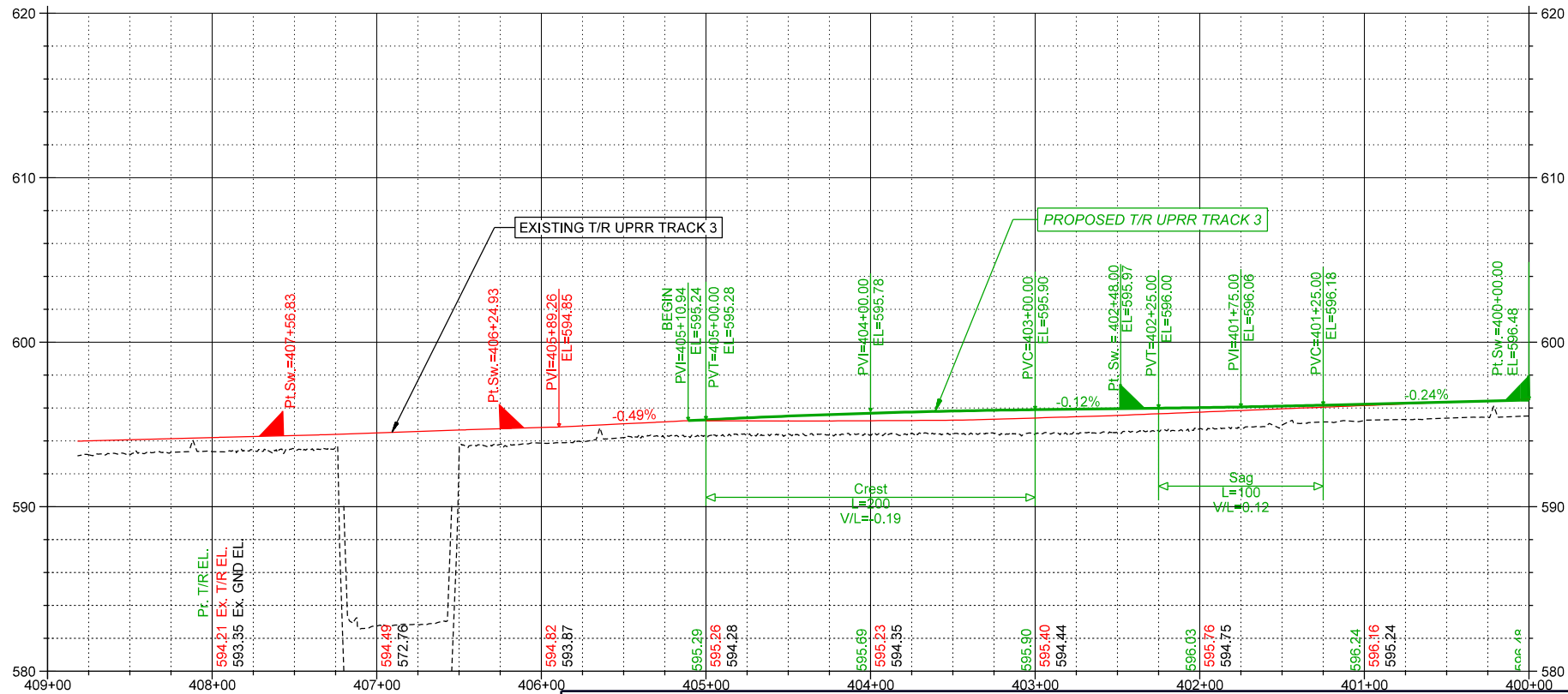
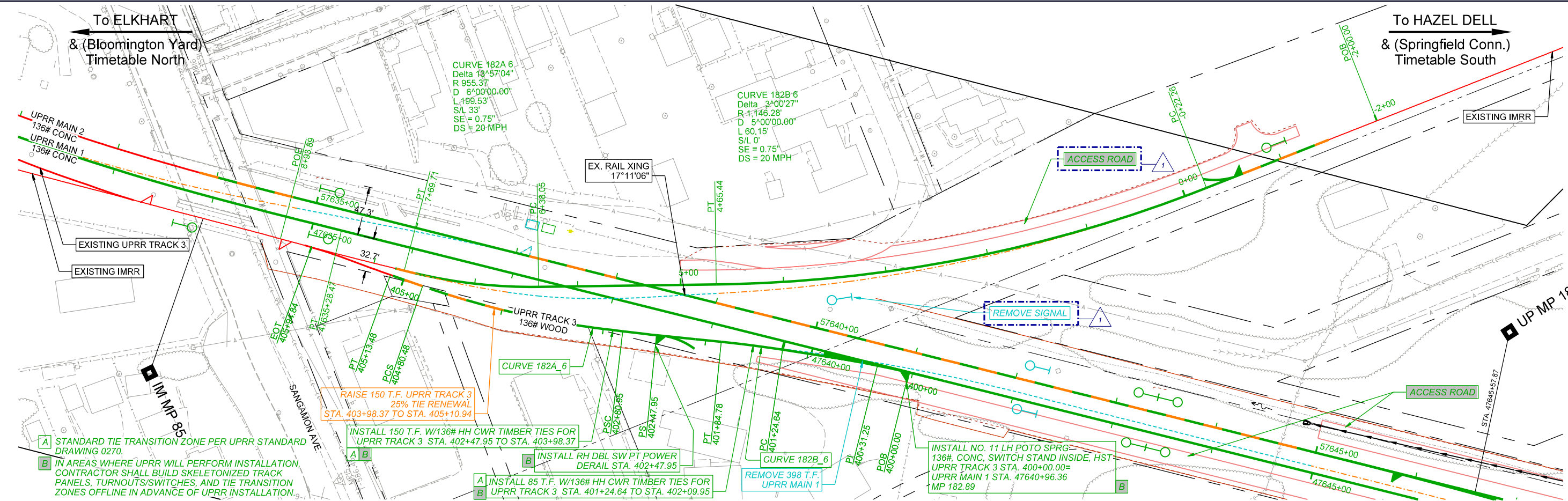


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NO.	BY	
NOTE BOOK		
NO.		
CADD FILE NAME		

PROFILE	SURVEYED	DATE
NO.	BY	
NOTE BOOK		
NO.		
STRUCTURE NOTATION CHKD		

FINAL PLANS

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- | | | | | | | |
|----------------------|----------------------|------|---|-----------------------------|----------------------|--------------------|
| EXISTING FIBER OPTIC | PROPOSED FIBER OPTIC | NOTE | WORK BY UPRR | Ex. UPRR Track | Prop. Foreign Track | Hand Throw Turnout |
| EXISTING HANDHOLE | PROPOSED HANDHOLE | NOTE | WORK BY CONTRACTOR (OR OTHERS AS NOTED) | Remove UPRR Track | Remove Foreign Track | Power Turnout |
| EXISTING VAULT BOX | PROPOSED VAULT BOX | | | Shift UPRR Track | Shift Foreign Track | Power Derail |
| | | | | Upgrade or Raise UPRR Track | Prop. ROW | Hand Throw Derail |
| | | | | Ex. Foreign Track | Ex. ROW | Signal |
| | | | | | Permanent Easement | |
| | | | | | Temporary Easement | |



USER NAME = niche01076	DESIGNED - GCN	REVISED - 12/23/24 G.C.N.
	DRAWN - DJP	REVISED -
PLOT SCALE = 100,000.1 sf / in.	CHECKED - GCN	REVISED -
PLOT DATE = 12/23/2024	DATE - 12/03/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD ILLINOIS RAIL IMPROVEMENTS PROJECT
SPRINGFIELD SUBDIVISION MP 182.74 TO MP 187.125
PLAN AND PROFILE - UPRR TRACK 3

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

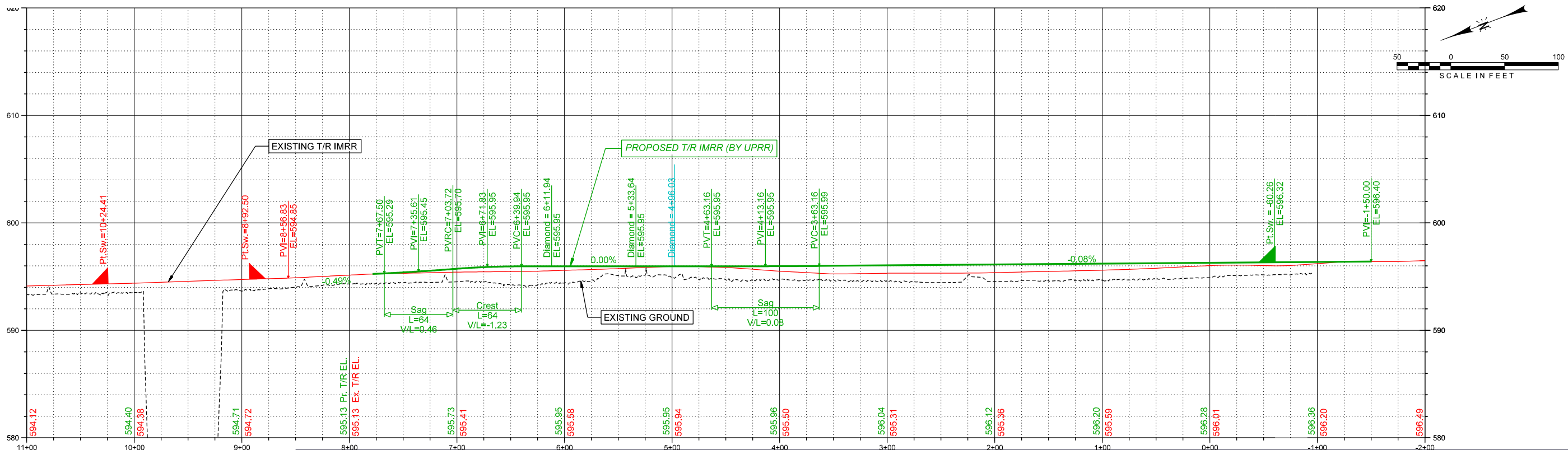
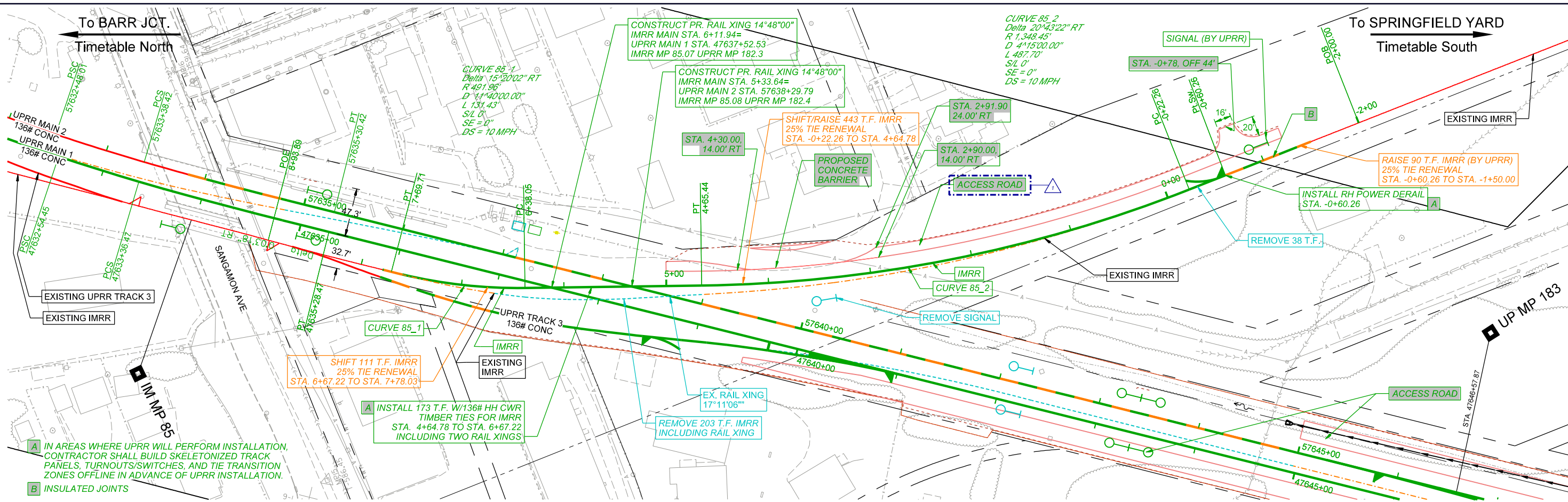
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7972	20-00492-00-BR & 22-00492-01-BR	SANGAMON	714	229
	09L0179B		CONTRACT NO.	93773
		ILLINOIS	FED. AID PROJECT	

PLAN	SURVEYED	DATE
NO.	BY	
NOTE BOOK		
ALIGNED CHECKED		
CADD FILE NAME		

PROFILE	SURVEYED	DATE
NO.	BY	
NOTE BOOK		
GRADES CHECKED		
STRUCTURE NOTATION CHKD		

FINAL PLANS

MODEL SHEET IM Track
FILE NAME: p:\hanson\cadd\springfield\subdivisions\09\090101790\usable\segment VI - UPRR\SheetD090101790-ent-dmtr-f02-uprr.dgn



— F0 —	EXISTING FIBER OPTIC	— F0 —	PROPOSED FIBER OPTIC	NOTE	WORK BY UPRR	—	Ex. UPRR Track	—	Prop. Foreign Track	—	Hand Throw Turnout
□	EXISTING HANDHOLE	□	PROPOSED HANDHOLE	NOTE	WORK BY CONTRACTOR (OR OTHERS AS NOTED)	—	Prop. UPRR Track	—	Remove Foreign Track	—	Power Turnout
○	EXISTING VAULT BOX	○	PROPOSED VAULT BOX			—	Remove UPRR Track	—	Shift Foreign Track	—	Power Derail
						—	Shift UPRR Track	—	Prop. ROW	—	Hand Throw Derail
						—	Upgrade or Raise UPRR Track	—	Ex. ROW	—	Signal
						—	Ex. Foreign Track	—	Permanent Easement	—	
						—		—	Temporary Easement	—	



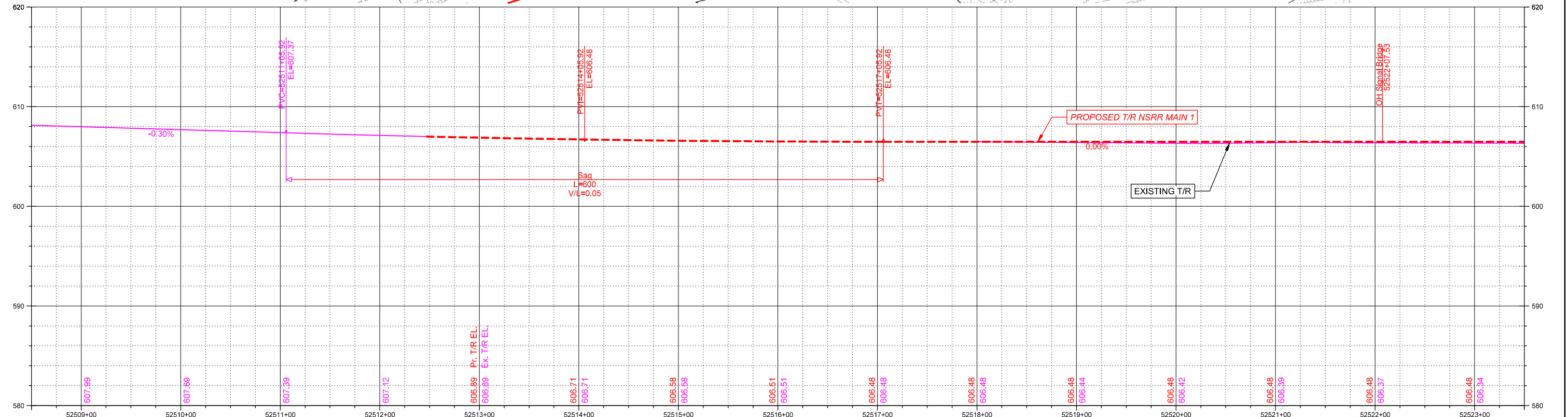
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PLOT DATE = 12/23/2024	DATE - 12/03/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD ILLINOIS RAIL IMPROVEMENTS PROJECT
SPRINGFIELD SUBDIVISION MP 182.74 TO MP 187.125
PLAN AND PROFILE - IMRR

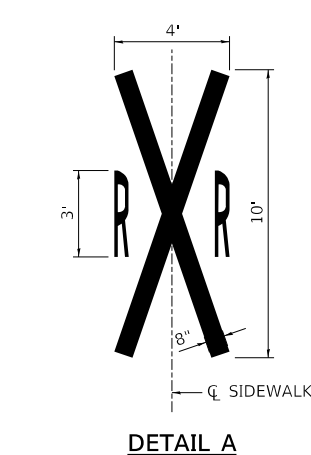
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7972	20-00492-00-BR & 22-00492-01-BR	SANGAMON	714	230
	09L0179B		CONTRACT NO.	93773
		ILLINOIS	FED. AID PROJECT	



 	WORK BY NSRR	 Ex. UPRR Track	 Ex. NSRR Track	 Hand Throw Turnout
	WORK BY CONTRACTOR (OR OTHERS AS NOTED)	 Prop. UPRR Track	 Prop. NSRR Track	
		 Remove UPRR Track	 Remove NSRR Track	 Power Derail
		 Shift UPRR Track	 Shift NSRR Track	 Hand Throw Derail
		 Upgrade or Raise UPRR Track	 Prop. ROW	 Signal
		 Ex. ROW		
		 Temporary Easement	 Permanent Easement	

ILLINOIS TRANSPORTATION	SPRINGFIELD ILLINOIS RAIL IMPROVEMENTS PROJECT SPRINGFIELD SUBDIVISION MP 182.74 TO MP 187.125 PLAN AND PROFILE – NSRR MAIN 1 – 1				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
					7972	20-00492-00-BR & 22-00492-01-BR	SANGAMON	714	231
					09L0179B		CONTRACT NO. 93773		
SCALE:	SHEET 1 OF 3 SHEETS	STA.	TO STA.	ILLINOIS		FED. AID PROJECT			



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USER NAME	= pop00275
PLOT SCALE	= 20.00 ' / in.
PLOT DATE	= 12/23/2024

DESIGNED	-	SKM
DRAWN	-	JAP
CHECKED	-	SKM
DATE	-	12/03/2024

REVISED	-		12/10/2024 G.C.N.
REVISED	-		
REVISED	-		
REVISED	-		

SCALE:	SHEET 1 OF 1 SHEETS	STA.	TO STA.
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HMA PAVEMENT (FULL DEPTH) 10"
HOT-MIX ASPHALT MIXTURE REQUIREMENTS

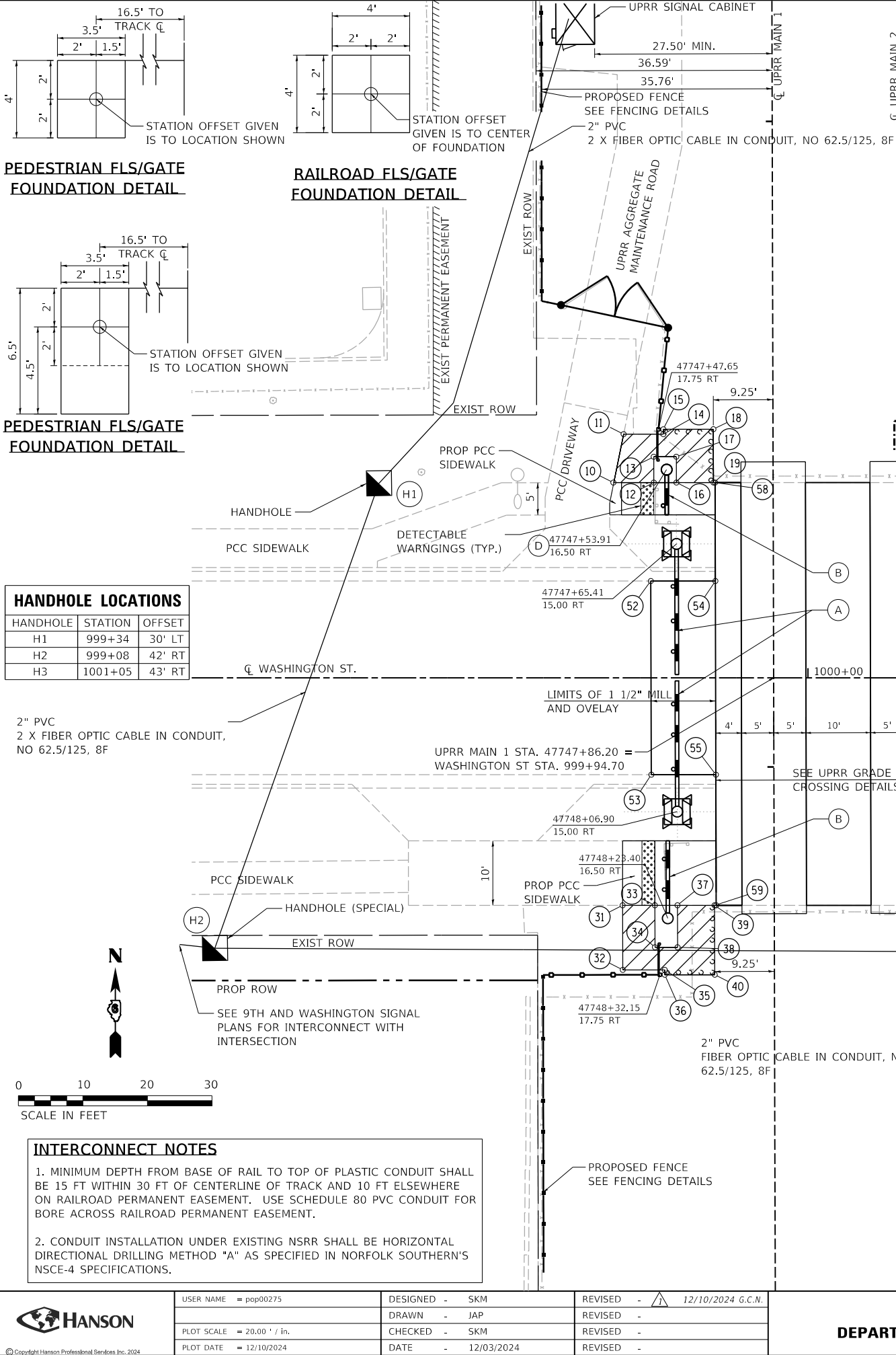
MIXTURE USE(s):	SURFACE (1.5")	BINDER (2.25")	BASE COURSE (6.25")
PG:	SBS PG 70-28	SBS PG 70-28	PG 64-22
DESIGN AIR VOIDS:	4% @ N50	4% @ N50	4% @ N50
MIXTURE COMPOSITION:	IL-9.5	IL-19.0	IL-19.0
FRICTION AGGREGATE:	MIX "C"	N/A	N/A
MIXTURE WEIGHT:	112 lb./s.y./in.	112 lb./s.y./in.	112 lb./s.y./in.
QUALITY MANAGEMENT PROGRAM:	QC/QA	QC/QA	QC/QA
SUBLOT SIZE:	N/A	N/A	N/A
MATERIAL TRANSFER DEVICE (REQUIRED?):	NO	NO	NO

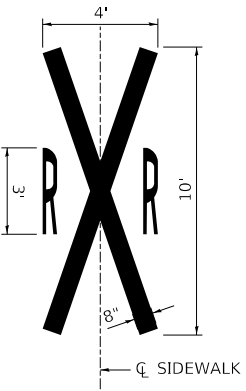
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7972	20-00492-00-BR & 22-00492-01-BR	SANGAMON	714	252
09L0179B		CONTRACT NO. 93773		
ILLINOIS		FED. AID PROJECT		

ME = MATCH EXISTING



MODEL: Sheet 01
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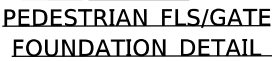




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LOT DATE = 12/10/2024	DATE - 12/03/2024	REVISED -

**SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
ENLARGED PLAN - MONROE STREET**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7972	20-00492-00-BR & 22-00492-01-BR	SANGAMON	714	256
09L0179B		CONTRACT NO. 93773		
ILLINOIS		FED. AID PROJECT		



CAPITOL AVENUE POINT TABLE				
POINT #	STATION	OFFSET	ELEV	DESC
10	47759+89.03	25.07' RT	ME	SW
11	47759+79.03	22.94' RT	ME	SW
12	47759+89.03	18.50' RT	ME	SW
13	47759+82.53	18.50' RT	601.82	SW
14	47759+79.03	17.00' RT	601.82	SW
15	47759+78.28	17.00' RT	601.82	SW
16	47759+89.03	15.00' RT	ME	SW
17	47759+82.53	15.00' RT	601.88	SW
18	47759+78.28	9.25' RT	601.96	SW
19	47759+89.03	9.25' RT	ME	SW
20	47759+89.32	29.00' LT	602.25	SW
21	47759+89.10	69.58' LT	ME	SW
22	47759+78.34	69.58' LT	601.97	SW
23	47759+89.10	75.33' LT	ME	SW
24	47759+82.60	75.33' LT	601.94	SW
25	47759+79.09	77.13' LT	601.86	SW
26	47759+78.34	77.13' LT	601.85	SW
27	47759+89.10	78.83' LT	ME	SW
28	47759+82.60	78.83' LT	601.89	SW
29	47759+89.10	83.83' LT	ME	SW
30	47759+79.09	83.83' LT	601.76	SW
30A	47759+89.10	89.28' LT	ME	SW
31	47760+54.28	25.75' RT	ME	SW
32	47760+61.70	24.13' RT	ME	SW
32A	47760+61.70	23.50' RT	ME	SW
33	47760+54.28	18.50' RT	ME	SW
34	47760+60.78	18.50' RT	601.82	SW
35	47760+64.28	17.00' RT	601.8	SW
36	47760+65.04	17.00' RT	601.79	SW
37	47760+54.28	15.00' RT	ME	SW
38	47760+60.78	15.00' RT	601.88	SW

CAPITOL AVENUE POINT TABLE				
POINT #	STATION	OFFSET	ELEV	DESC
39	47760+54.28	9.25' RT	ME	SW
40	47760+65.04	9.25' RT	601.91	SW
40A	47760+64.29	23.50' RT	601.68	SW
41	47760+53.82	29.00' LT	602.19	SW
42	47760+54.10	69.58' LT	ME	SW
43	47760+64.86	69.58' LT	601.91	SW
44	47760+54.10	75.33' LT	ME	SW
45	47760+60.60	75.33' LT	601.88	SW
46	47760+64.10	77.30' LT	601.8	SW
47	47760+64.86	77.30' LT	601.79	SW
48	47760+54.10	78.83' LT	ME	SW
49	47760+60.60	78.83' LT	601.83	SW
50	47760+54.10	89.39' LT	ME	SW
51	47760+64.10	83.83' LT	601.7	SW
52	47760+54.10	83.83' LT	ME	SW
53	47760+06.52	19.00' RT	ME	EOP
54	47760+36.52	19.00' RT	ME	EOP
55	47760+06.53	9.00' RT	ME	EOP
56	47760+35.53	9.00' RT	ME	EOP
57	47759+89.33	39.00' LT	ME	EOP
58	47760+53.83	39.00' LT	ME	EOP
59	47759+89.28	9.00' RT	ME	SW
60	47760+53.78	9.00' RT	ME	SW

1. INTERCONNECT CABLE SHALL BE PLACED WITHIN THE CWLP INNERDUCT IN STEEL CONDUIT TO BE CONSTRUCTED BY CWLP PRIOR TO USABLE SEGMENT VI.
2. INTERCONNECT CONDUIT PENETRATIONS AT CWLP MANHOLES SHALL BE DONE BY CWLP. NO JUNCTIONS OR SPLICES WILL BE PERMITTED IN THE CWLP MANHOLES. INTERCONNECT CABLES SHALL BE PULLED THROUGH CWLP MANHOLES FROM PULL POINTS OUTSIDE THE CWLP MANHOLES UNDER CWLP SUPERVISION.

HANDHOLE LOCATIONS		
HANDHOLE	STATION	OFFSET
H1	60+60	35' RT
H2	63+82	34' RT

MODEL: Sheet 01
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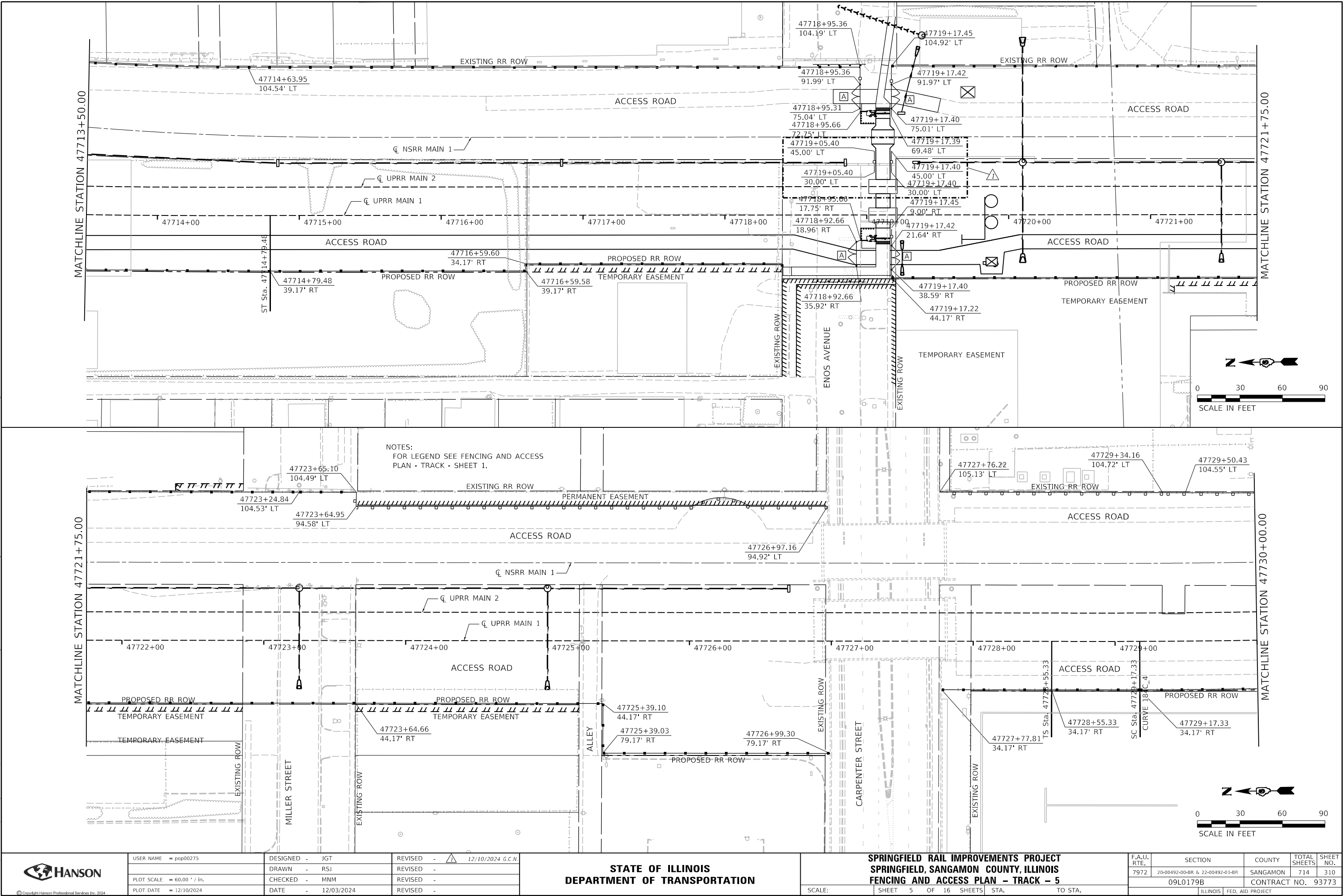
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PLOT DATE = 12/10/2024	DATE - 12/03/2024	REVISED -

**SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
ENLARGED PLAN - CAPITOL AVENUE**

SCALE:	SHEET 1 OF 1 SHEETS	STA.	TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7972	20-00492-00-BR & 22-00492-01-BR	SANGAMON	714	257
09L0179B		CONTRACT NO. 93773		
ILLINOIS		FED. AID PROJECT		

MODEL: SHF-Fence-Track-30-6
FILE: h:\hanson\hanson\p\c\11\documents\09\09\01\798\Usable_Segments_III_1-V_1-VICAD\Rail\Usable_Segments_III_1-V_1-VICAD\Rail\Fence-Track-Double30.dgn



USER NAME = pop00275	DESIGNED - JGT	REVISED - 12/10/2024 G.C.N.
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
FENCING AND ACCESS PLAN - TRACK - 5

SCALE: SHEET 5 OF 16 SHEETS STA. TO STA.

F.A.U. RTE. 7972	SECTION 20-00492-00-BR & 22-00492-01-BR 09L0179B	COUNTY SANGAMON	TOTAL SHEETS 714	SHEET NO. 310
		CONTRACT NO. 93773		
		ILLINOIS FED. AID PROJECT		

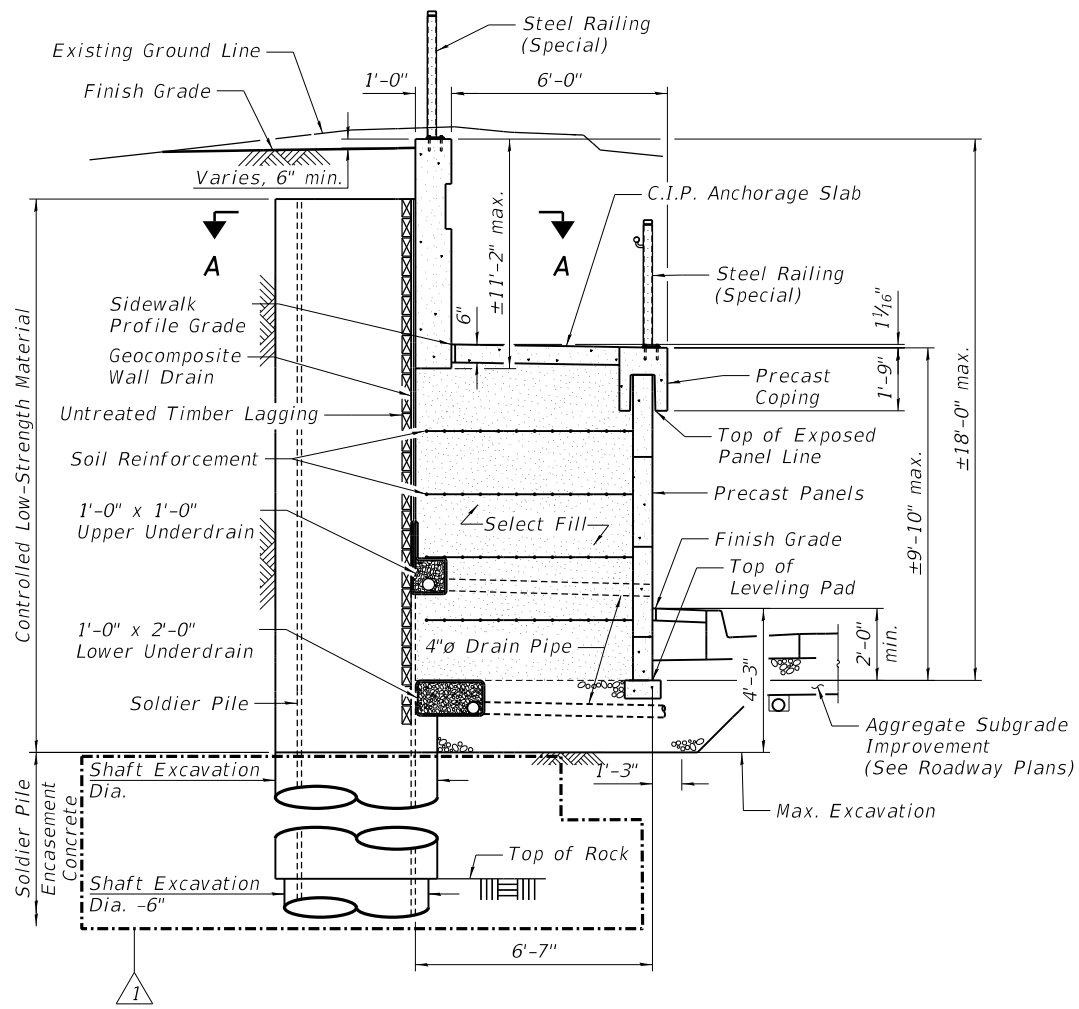


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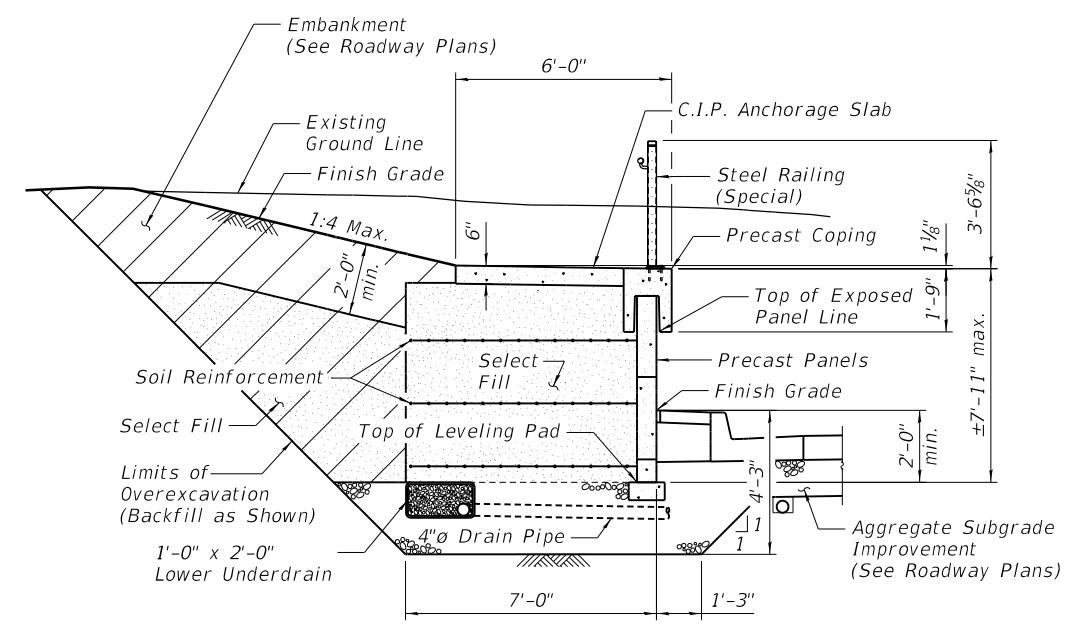
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**SPRINGFIELD RAIL IMPROVEMENTS PROJECT
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS
FENCING AND ACCESS PLAN – TRACK – 7**

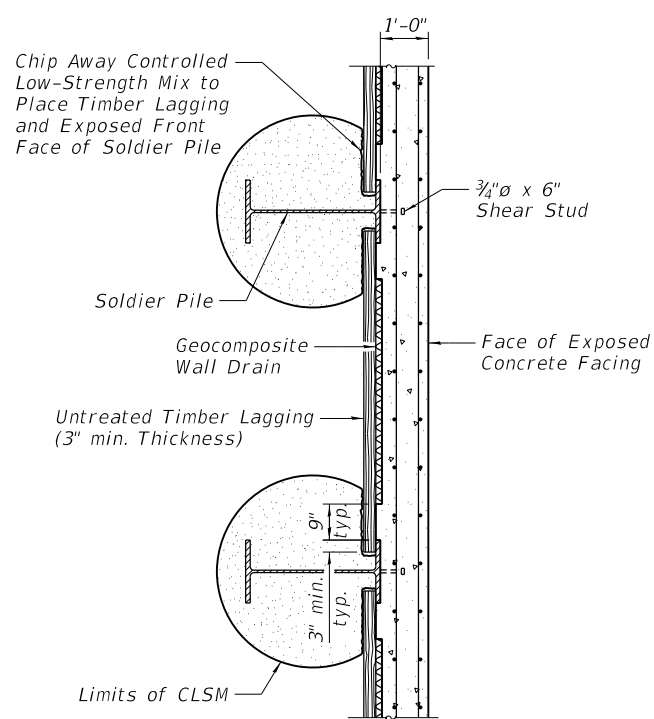
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7972	20-00492-00-BR & 22-00492-01-BR	SANGAMON	714	312
09L0179B		CONTRACT NO. 93773		
		ILLINOIS	FED. AID PROJECT	



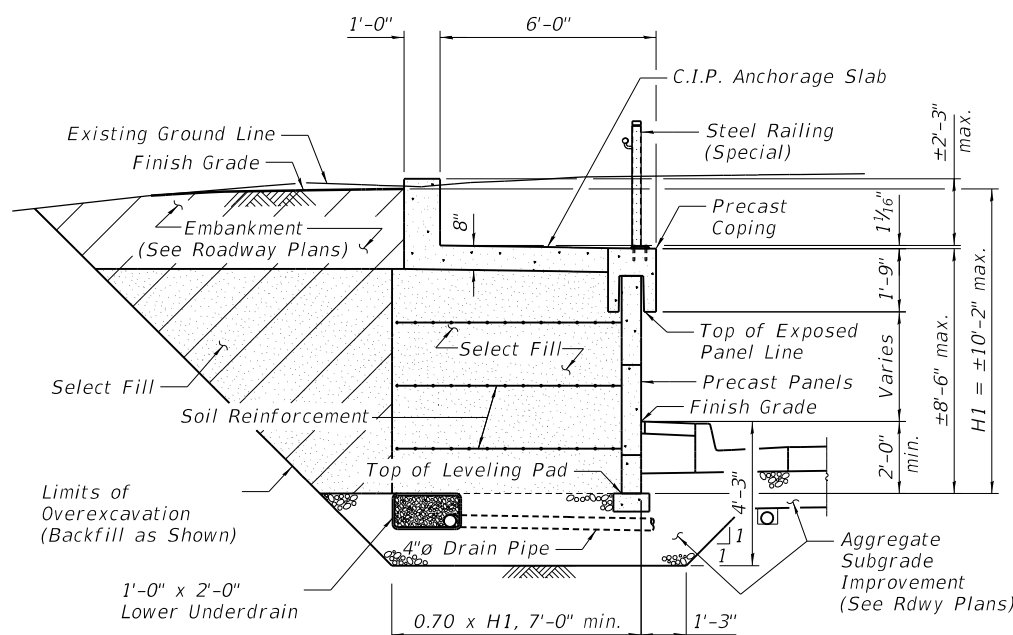
TYPICAL SOLDIER PILE WALL SECTION



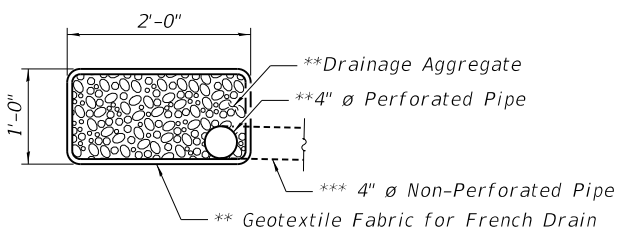
TYPICAL MSE WALL SECTION



SECTION A-A
DRILLED SOLDIER PILE WALL

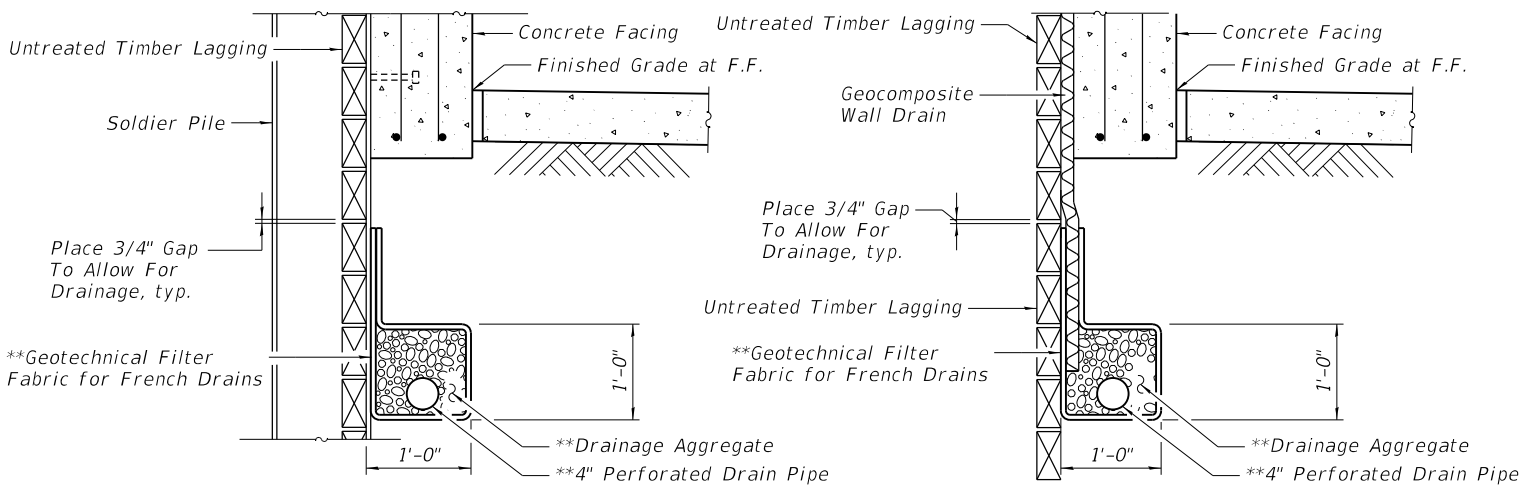


TYPICAL L-WALL SECTION



LOWER UNDERDRAIN DETAIL

** Included in the cost of Pipe Underdrains for Structures 4".
*** Included in the cost of Pipe Underdrains for Structures 4" (Special).



AT SOLDIER PILES

BETWEEN SOLDIER PILES

UPPER UNDERDRAIN DETAIL

**Included in the Cost of Pipe Underdrains for Structures 4".

FINAL PLANS

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USER NAME = pop00275	DESIGNED - KMS	REVISED - 12/10/2024 R.G.C.
PLOT SCALE = 0.167' / 1"	CHECKED - RGC	REVISED -
PLOT DATE = 12/19/2024	DRAWN - EJM	REVISED -
	CHECKED - RGC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS & DETAILS
RETAINING WALLS - NORTH GRAND AVENUE UNDERPASS

SHEET NO. 6 OF 32 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7972	20-00492-00-BR & 22-00492-01-BR	SANGAMON	714	420
				CONTRACT NO. 93773

ILLINOIS FED. AID PROJECT

GENERAL NOTES

Fasteners shall be ASTM F 3125 Grade A325 Type 1, mechanically galvanized bolts in painted areas. Bolts 7/8in. Ø, holes 15/16in. Ø, unless otherwise noted.

Calculated weight of Structural Steel,
AASHTO M270 Grade 50 = 1,520,150 lbs.
ASTM A1085 Grade 50 = 6,700 lbs. (Split-Pipe Bearing Stiffeners)

All structural steel shall be AASHTO M270 Grade 50, unless otherwise noted.

No field welding is permitted except as specified in the contract documents.

Reinforcement bars designated (E) shall be epoxy coated.

Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 inch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shiming the bearings.

A film forming Concrete Sealer shall be applied to the backwalls, seats, step areas and front face of the West and East Abutments.

The Organic Zinc Rich Primer / Epoxy / Urethane Paint System shall be used for painting of new structural steel except where otherwise noted. The entire system shall be shop applied, with the exception of the exterior surface and the bottom of the bottom flange of fascia beams, masked off connection surfaces, field installed fasteners and damaged areas shall be touched up in the field. The color of the final finish coat for all interior steel surfaces shall be Gray, Munsell No. 5B 7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be Blue, Munsell No. 10B 3/6.

Layout of the slope protection system outside the railroad row may be varied to suit ground conditions in the field as directed by the Engineer.

The concrete for bridge decks finished according to Article 503.16(a) of the Standard Specifications shall be placed and compacted parallel to the skew in uniform increments along centerline of bridge. The machine used for finishing shall be set parallel to the skew for striking off and screeding the concrete. Approach (and roadway) parapets may need to be poured after the deck to facilitate the bridge deck pour.

Bridge Deck Grooving shall not be performed within the 10'-0" shared-use path. The shared-use portion of the bridge deck shall have a broomed finish.

The calculated deflections of the primary girders under steel self-weight shall be used to detail cross frame connections and to erect structural steel such that the girders will be plumb within a tolerance of +/- 1/8 inch per vertical foot throughout when supporting their own weight.

The deck pouring sequence shown on the plans has been used to design the required beam camber and to determine the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" used in the calculation of fillet heights, "t". Request for changes to the plan pouring sequence shall be submitted in writing (prior to ordering steel). Modifications, either to the camber diagrams or the "Theoretical Grade Elevations Adjusted for Dead Load Deflection", resulting from changes to the pouring sequence shall be the responsibility of the Contractor. All required plans shall be submitted with the request and shall be sealed by an Illinois Licensed Structural Engineer.

Slipforming of parapets is not allowed.

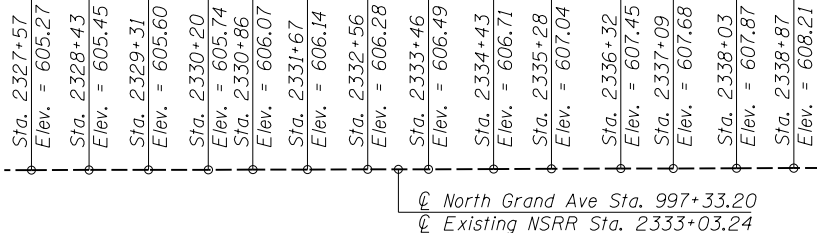
Bicycle Railing, Curved shall be galvanized. The Parapet Railing shall be painted according to the paint system used for the structural steel on SN 084-9973. The color of the final finish coat for the Parapet Railing shall be Blue, Munsell No. 10B 3/6.

INDEX OF SHEETS

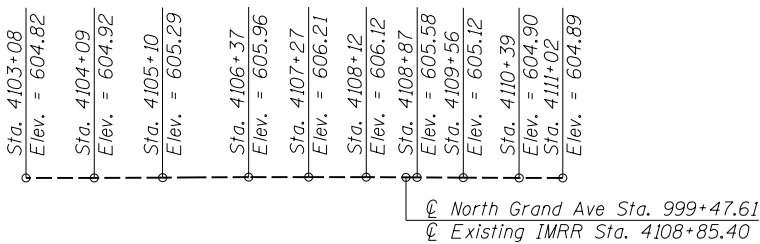
- 1. General Plan and Elevation
- 2. General Data
- 3.-6. Top of Deck Elevations
- 7. Top of Approach Slab Elevations
- 8. Deck Pouring Sequence
- 9.-16. Superstructure
- 17. West Approach Slab
- 18. East Approach Slab
- 19.-22. Approach Slab Details
- 23.-24. Fence Details
- 25. Steel Railing (Special)
- 26. Railing Details
- 27. Drainage Scupper, DS-11
- 28. Drainage Details
- 29.-30. West Expansion Joint Detail
- 31.-32. East Expansion Joint Detail
- 33. Structural Steel Framing Plan
- 34.-40. Structural Steel Details
- 41. Bearing Orentation Plan
- 42.-44. Bearing Details
- 45.-46. West Abutment
- 47. East Abutment
- 48.-50. Pier
- 51. Steel Piles
- 52. Bar Splicer Details
- 53. Borings

NS AND I&M RAILROAD
BUILT 20__ BY
CITY OF SPRINGFIELD
SEC. 22-00492-01-BR
F.A.U. RT. 7972 STATION 998+10.21
STR. NO. 084-9973 LOADING HL-93

NAME PLATE
See Std. 515001



ELEVATIONS - NSRR EXIST. TOP OF RAIL
(Looking East)



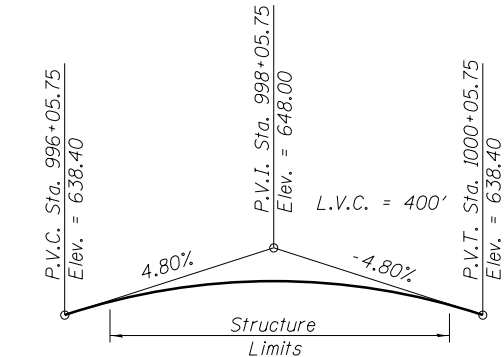
ELEVATIONS - IMRR TOP OF RAIL
(Looking East)

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Structure Excavation	Cu. Yd.	-	284	284
Concrete Structures	Cu. Yd.	55.1	784.5	839.6
Concrete Superstructures	Cu. Yd.	859.1	9.0	868.1
Bridge Deck Grooving	Sq. Yd.	2390	-	2390
Form Liner Textured Surface	Sq. Ft.	-	3226	3226
Protective Coat	Sq. Yd.	2887	-	2887
Concrete Superstructure (Approach Slab)	Cu. Yd.	181.9	-	181.9
Stud Shear Connectors	Each	12144	-	12144
Reinforcement Bars, Epoxy Coated	Pound	319060	85770	404830
Bar Splicers	Each	140	87	227
Bicycle Railing (Curved)	Foot	317	-	317
Parapet Railing	Foot	394	-	394
Furnishing Steel Piles HP14x73	Foot	-	1247	1247
Furnishing Steel Piles HP14x89	Foot	-	1081	1081
Furnishing Steel Piles HP14x117	Foot	-	570	570
Driving Piles	Foot	-	2898	2898
Test Pile Steel HP14x73	Each	-	1	1
Test Pile Steel HP14x89	Each	-	1	1
Test Pile Steel HP14x117	Each	-	1	1
Name Plates	Each	1	-	1
Preformed Joint Strip Seal	Foot	64	-	64
Anchor Bolts, 1"	Each	-	40	40
Anchor Bolts, 1½"	Each	-	40	40
Anchor Bolts, 2"	Each	-	16	16
Drainage System for Structures	L. Sum	1	-	1
Concrete Sealer	Sq. Ft.	-	3156	3156
Concrete Surface Color Treatment	Sq. Ft.	54	-	54
High Load Multi-Rotational Bearings, Disc, Fixed - 800K	Each	-	4	4
High Load Multi-Rotational Bearings, Disc, Non-Guided Expansion - 400K	Each	-	2	2
High Load Multi-Rotational Bearings, Disc, Guided Expansion - 200K	Each	-	8	8
High Load Multi-Rotational Bearings, Disc, Guided Expansion - 300K	Each	-	6	6
High Load Multi-Rotational Bearings, Disc, Guided Expansion - 900K	Each	-	4	4
Furnishing and Erecting Structural Steel Bridge No. 2	L. Sum	1	-	1
Steel Railing (Special)	Foot	50	-	50
Drainage Scuppers, DS-11	Each	6	-	6
Modular Expansion Joint 6"	Foot	-	130	130

ABBREVIATIONS

- PGL Profile Grade
- NBL North Bound Lanes
- SBL South Bound Lanes
- E. Abut. East Abutment
- W. Abut. West Abutment
- EF Each Face
- FF Front Face
- BF Back Face
- IF Inside Face
- OF Outside Face
- Bk/ Back of
- B/ Bottom of
- T/ Top of
- Prop Proposed
- Exist Existing

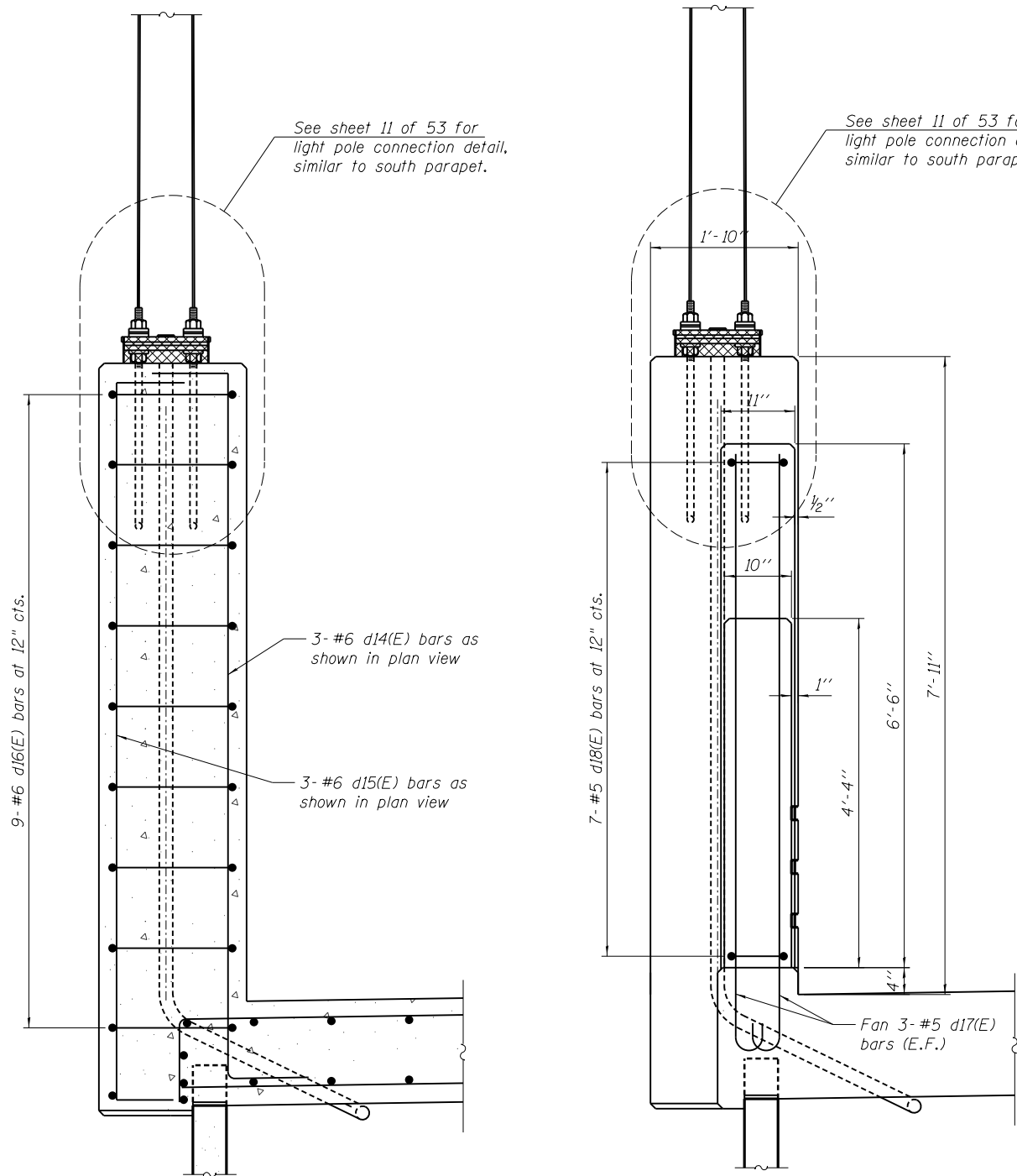


PROFILE GRADE - NORTH GRAND AVE.
Along Centerline Roadway

FINAL PLANS

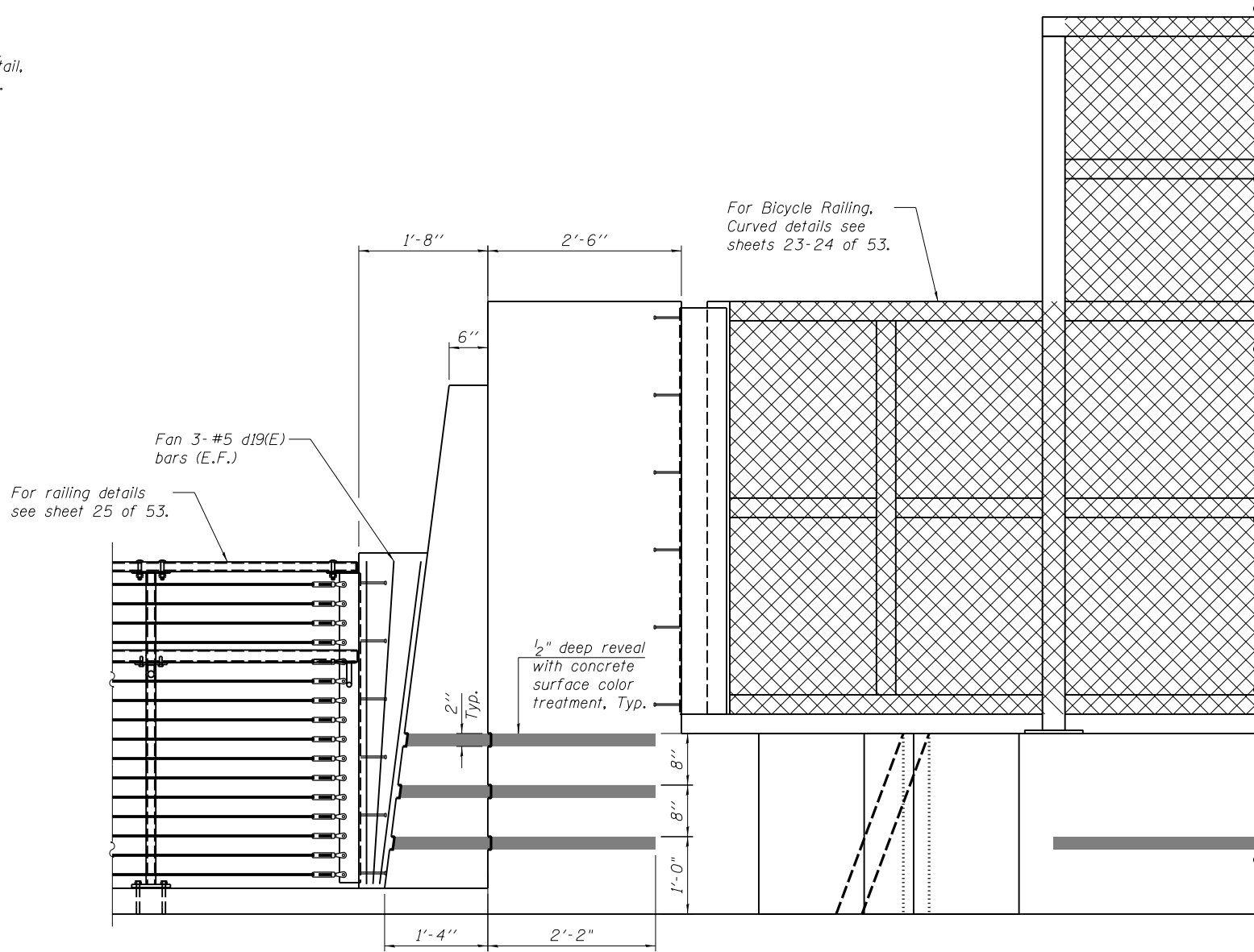
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 HANSON © Copyright Hanson Professional Services Inc, 2024	USER NAME = pop00275	DESIGNED - CGP	REVISED - 12/10/2024 M.N.M.	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL DATA STRUCTURE NO. 084-9973	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 12/19/2024	DRAWN - RSJ	REVISED -			CONTRACT NO. 93773				
	SHEET NO. 2 OF 53 SHEETS					ILLINOIS FED. AID PROJECT				

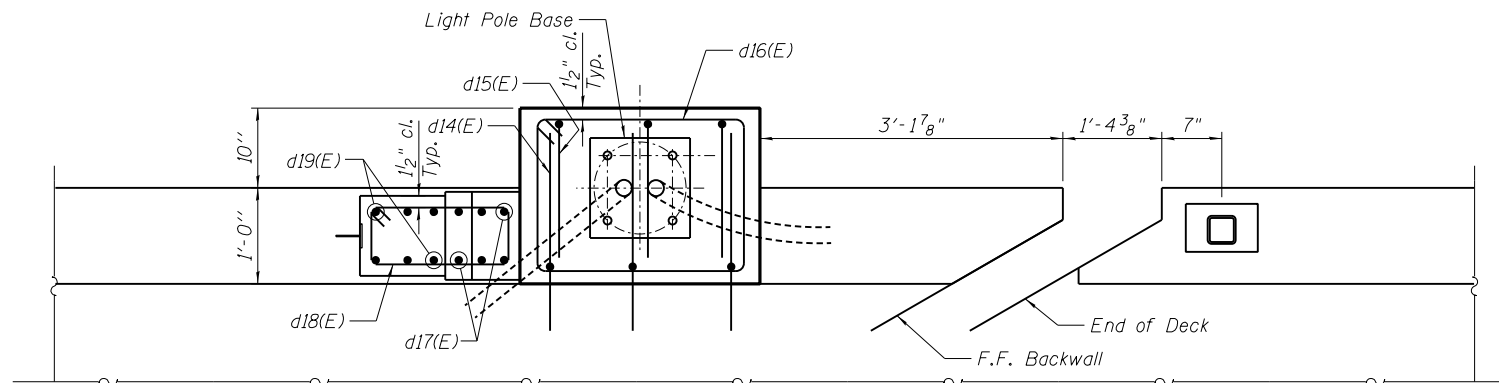


SECTION THRU MONUMENT

Note:
See sheet 22 of 53 for Reinforcing
Details and Bill of Material.



ELEVATION



PLAN

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PLOT SCALE : 0:2.0000 '1' / 1"	DRAWN - RSJ	REVIS
PLOT DATE : 12/10/2024	CHECKED -	REVIS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROACH SLAB DETAILS (SHEET 3 OF 4)
STRUCTURE NO. 084-9973

SHEET NO. 21 OF 53 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7972	20-00492-00-BR & 22-00492-01-BR	SANGAMON	714	467
ILLINOIS FED. AID PROJECT			CONTRACT NO. 93773	

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.

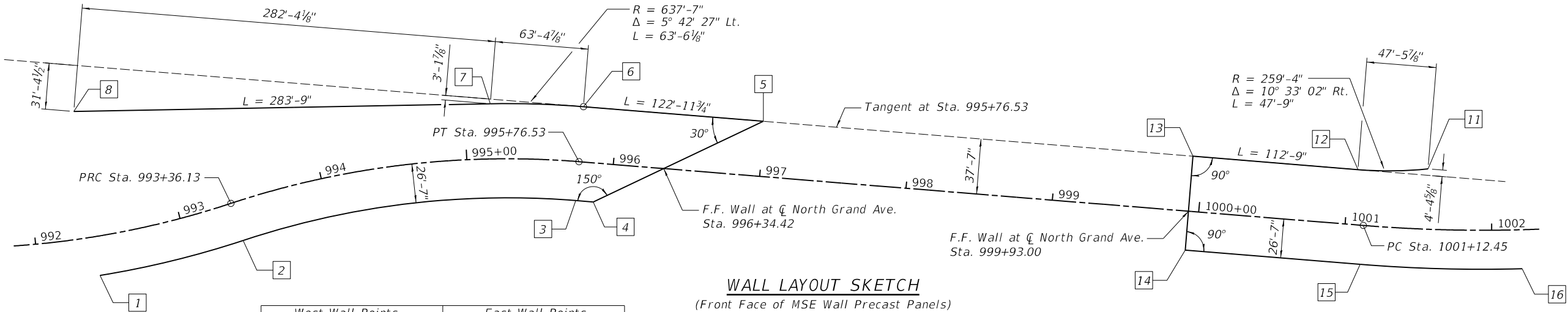
5. The Parapet Railing shall be painted according to the paint system used for the structural steel on SN 084-9973. The color of the final finish coat for the Parapet Railing shall be Blue, Munsell No. 10B 3/6.

INDEX OF SHEETS

1. General Plan & Elevation
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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.			

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USER NAME : pop00275
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PLOT DATE : 12/19/2024

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CHECKED - RGC

REVISED - 12/10/2024 R.G.C.
REVISED -
REVISED -
REVISED -

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				