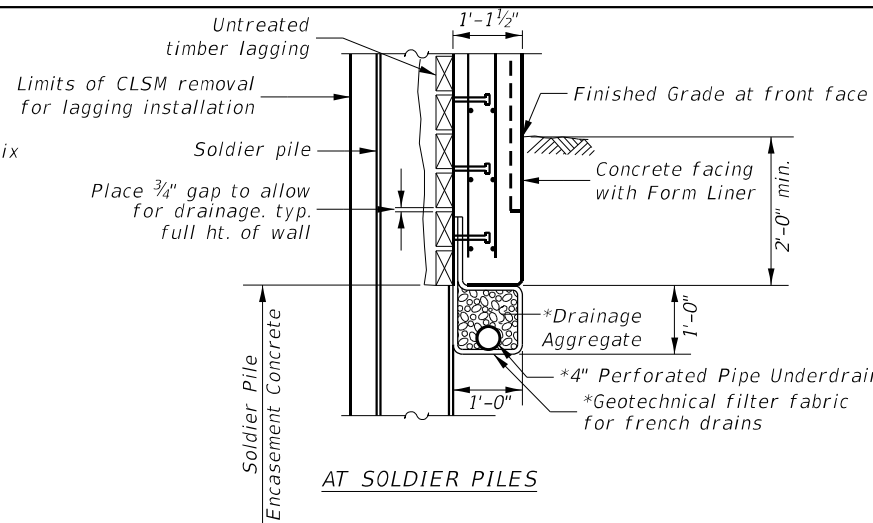
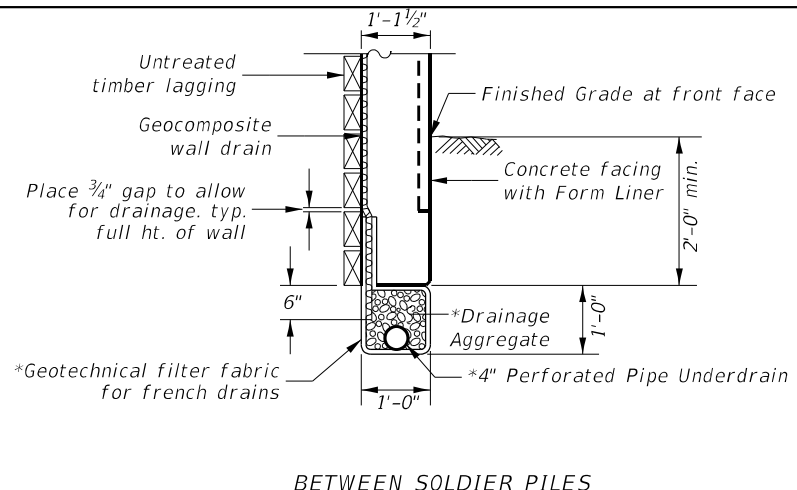


SECTION THRU DRILLED SOLDIER PILE WALL



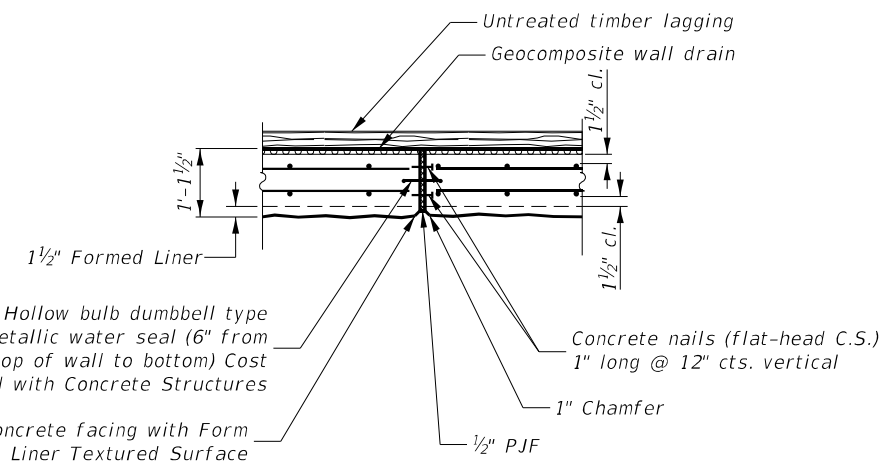
AT SOLDIER PILES



BETWEEN SOLDIER PILES

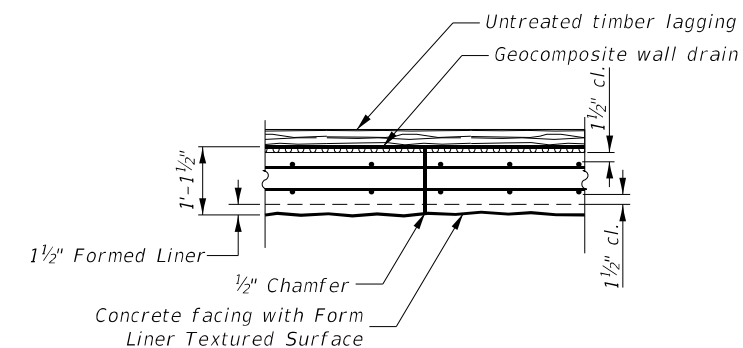
PIPE UNDERDRAIN DETAIL

\* Cost included with Pipe Underdrains for Structures.

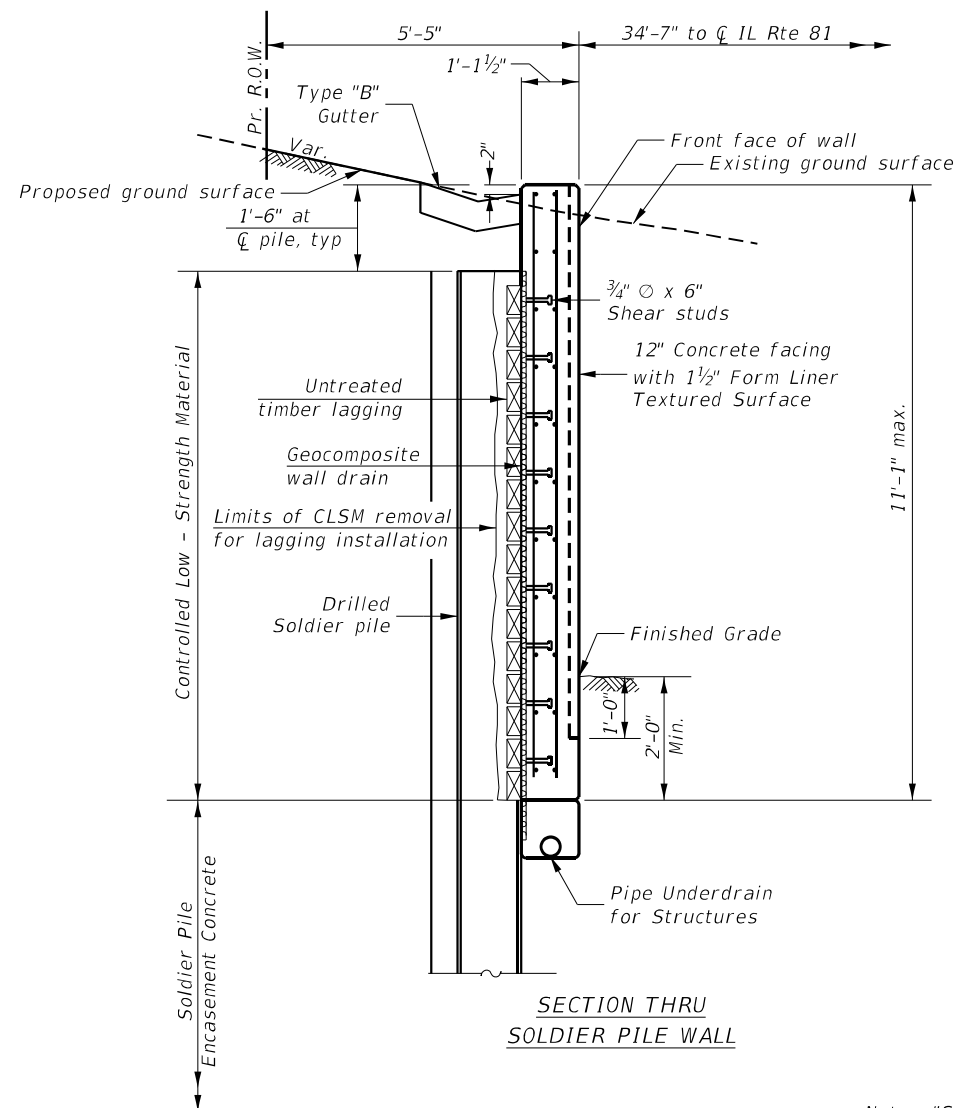


EXPANSION JOINT DETAIL

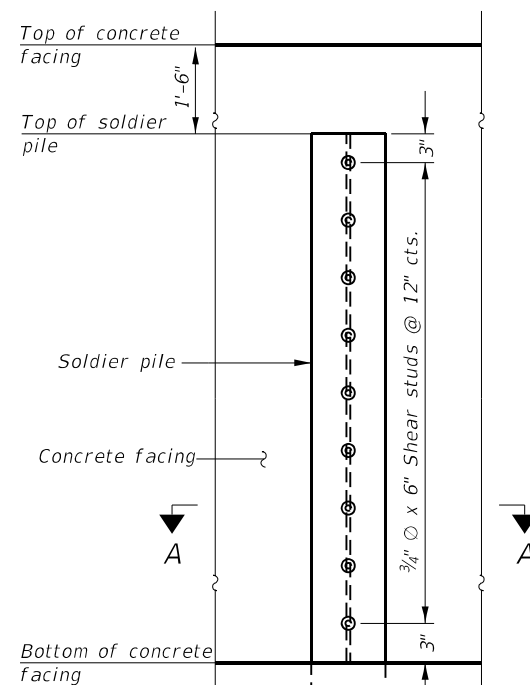
No reinforcement to pass through joint



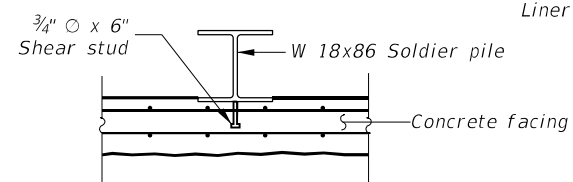
CONSTRUCTION JOINT DETAIL



SECTION THRU SOLDIER PILE WALL



ELEVATION VIEW



SECTION A-A

DETAIL OF SHEAR STUD PLACEMENT

Note: "Soldier pile section, spacing and embedment to be determine during final design"

DETAILS  
RETAINING WALLS ALONG IL RTE 81 AND ADAMS ST.  
F.A.P. RTE. 611 - SECTION 104R  
HENRY COUNTY

STA. 1310+80 TO STA. 1312+20 & STA. 1312+38 TO STA. 1313+76.40  
STRUCTURE NO. 037-W7003 & STRUCTURE NO. 037-W7004

MODEL: D:\draft\...  
FILE NAME: W-20001032-000\MicroStation\Structures\02\_64194-Soldier Pile Wall.dwg  
DATE: 3/29/2026



USER NAME = Marc.A.Personette  
PLOT SCALE = 10.0000 1' / in.  
PLOT DATE = 3/29/2026

DESIGNED - ALI GHARAMTI  
DRAWN - PATRICK PAUSER  
CHECKED - ALI GHARAMTI  
DATE - 3/29/2026

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SOLDIER PILE LAYOUT  
STRUCTURE NO. 037-W7003 & STRUCTURE NO. 037-W7004

SCALE: 1" = 10' SHEET S-7 OF S-9 SHEETS STA. TO STA.

F.A.P. RTE. 611	SECTION 104R	COUNTY HENRY	TOTAL SHEETS 426	SHEET NO. 301
CONTRACT NO. 64L94			ILLINOIS FED. AID PROJECT	



# SOIL BORING LOG

Date 8/16/23

ROUTE FAP 611 (IL 81) DESCRIPTION P92-002-14 - Proposed retaining wall, W. of Adams LOGGED BY W. Garza

SECTION 104R LOCATION Kewanee, SE 1/4 29, SEC., TWP. 15N, RNG. 5E

COUNTY Henry DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. Station \_\_\_\_\_ Latitude 41° 14' 57.06" Northing 1,669,029.8559  
Longitude -89° 56' 33.58" Easting 2,358,180.5401

BORING NO. B-1-2  
Station 1310+99  
Offset 52.00ft Lt of CL  
Ground Surface Elev. 109.80 ft  
Ex. Grn El. 822.80

DEPTH (ft)	BLOWS (6")	UCS (tsf)	MOIST (%)	SOIL DESCRIPTION	DEPTH (ft)	BLOWS (6")	UCS (tsf)	MOIST (%)
88.80		3.4 P	20.0	VERY DENSE light gray SHALE (continued)	16			
107.80	7			VERY DENSE light gray SHALE	32			
106.30	8		10.0		39			
	8				86.30			
103.80	4	4.1 S	16.0	VERY DENSE gray SHALE	19			
	7				100			
	9				for 10"			
101.30	5	3.5 S	19.0	VERY DENSE gray SHALE	35			
	7				100			
	9				for 10"			
98.80	4	3.1 S	21.0	VERY STIFF tan/light gray SILTY CLAY TILL				
	6							
	9							
95.30	8	3.3 S	19.0	VERY STIFF light gray SILTY CLAY TILL				
	15							
	11							
93.80	4	2.1 S	21.0	VERY STIFF light gray SILTY CLAY (weathered shale)				
	7							
	11							
90.30	7		13.0	MEDIUM light gray SILTY CLAY (weathered shale)				
	12							
	18							
88.80	12			VERY DENSE light gray SHALE				

Northing and Easting were calculated using the LHP-WF coordinate system

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)



# SOIL BORING LOG

Date 8/17/23

ROUTE FAP 611 (IL 81) DESCRIPTION P92-002-14 - Proposed retaining wall, W. of Adams LOGGED BY W. Garza

SECTION 104R LOCATION Kewanee, SE 1/4 29, SEC., TWP. 15N, RNG. 5E

COUNTY Henry DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. Station \_\_\_\_\_ Latitude 41° 14' 57.22" Northing 1,669,045.7191  
Longitude -89° 56' 32.58" Easting 2,358,256.6678

BORING NO. B-1-3  
Station 1311+74  
Offset 52.00ft Lt  
Ground Surface Elev. 111.30 ft  
Ex. Grn El. 828.30

DEPTH (ft)	BLOWS (6")	UCS (tsf)	MOIST (%)	SOIL DESCRIPTION	DEPTH (ft)	BLOWS (6")	UCS (tsf)	MOIST (%)
86.70			15.0	VERY STIFF light gray SILTY CLAY (continued)	8		3.3 S	19.0
85.20	6	4.5 P	16.0	DENSE tan/light gray SILTY CLAY (weathered shale)	15			16.0
	6				21			
	7				24			
82.70	4	1.3 S	19.0	DENSE gray SHALE	10			
	4				16			
	6				20			
80.20	3	1.8 P	22.0	VERY DENSE gray SHALE	23			
	4				100			
	7				for 11"			
77.70	4	2.6 S	21.0	VERY DENSE gray SHALE	19			
	6				100			
	10				for 9"			
75.20	4	0.3 B	25.0	SOFT light gray MOIST SILTY LOAM				
	5							
	6							
72.70	3	1.1 S	12.0	STIFF tan LOAM TILL with SANDY GRAVEL LENS				
	7							
	8							
70.20	6	3.5 B	15.0	VERY STIFF light gray SILTY CLAY TILL with COAL FRAGMENTS				
	7							
	10							
88.80	7							

Northing and Easting were calculated using the LHP-WF coordinate system

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

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USER NAME = MarcA.Personette  
DESIGNED - ALI GHARAMTI  
DRAWN - PATRICK PAUSER  
PLOT SCALE = 10,0000 ' / in.  
CHECKED - ALI GHARAMTI  
PLOT DATE = 3/29/2026  
DATE - 3/29/2026

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

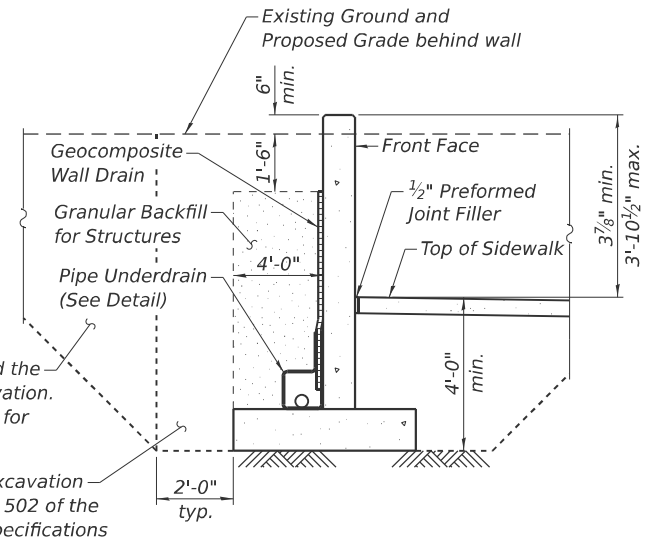
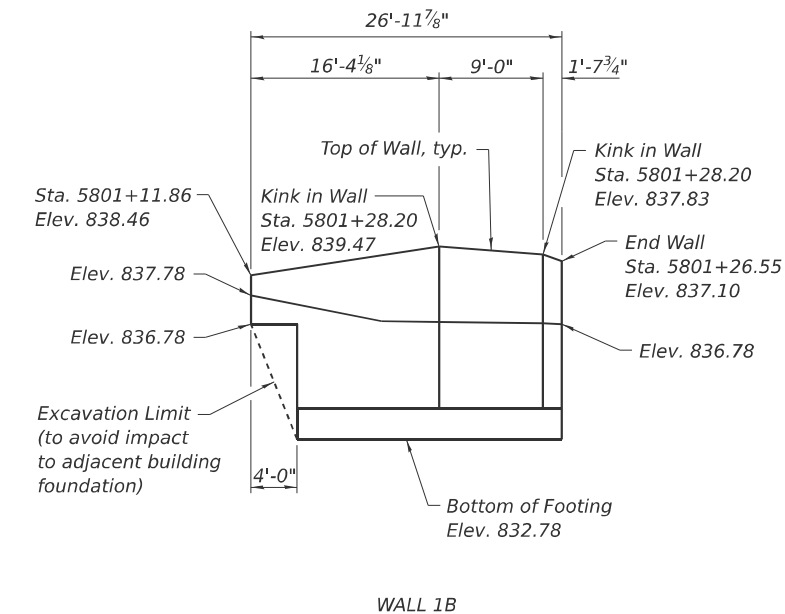
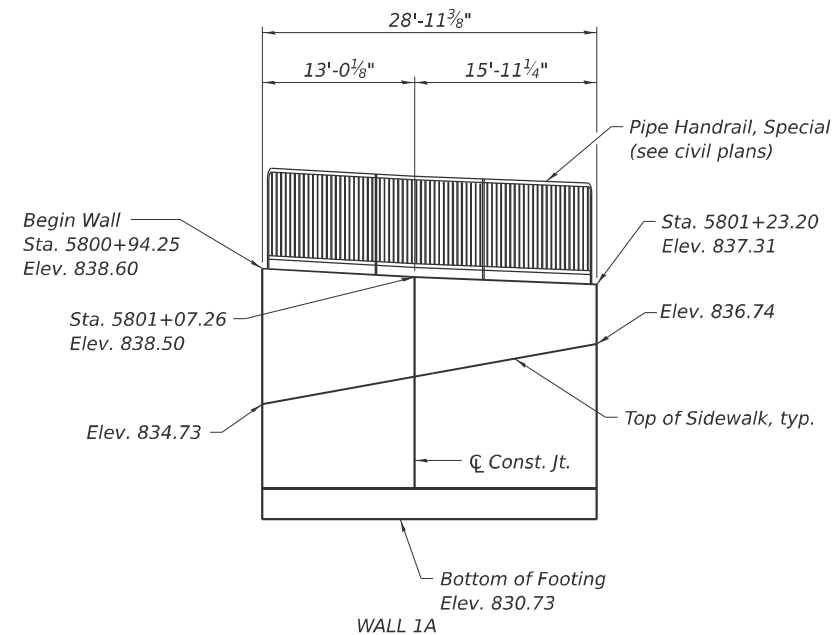
SOIL BORING LOGS  
STRUCTURE NO. 037-W7003 & STRUCTURE NO. 037-W7004

SCALE: 1" = 10' SHEET S-8 OF S-9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	302
CONTRACT NO. 64L94				

ILLINOIS FED. AID PROJECT



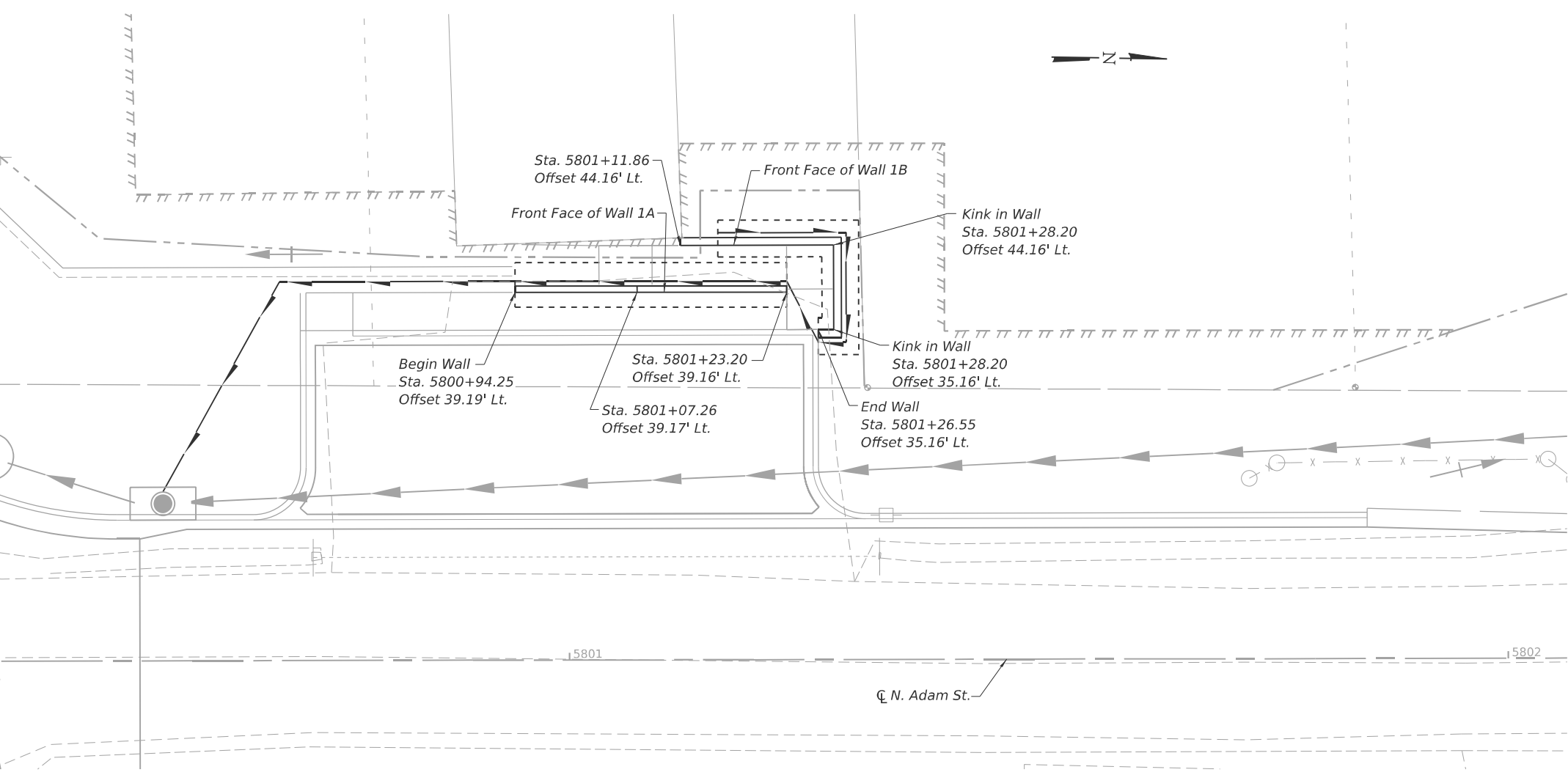


TYPICAL SECTION THRU WALL NO. 1

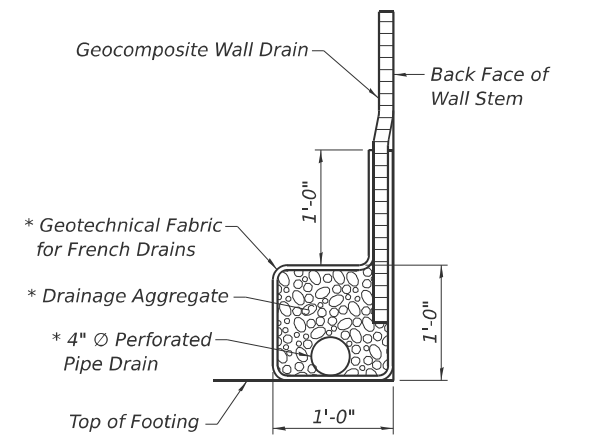
Notes:  
Horizontal dimensions measured along front face of wall unfolded, looking at front face of wall.  
All offsets measured to front face of retaining wall.

ELEVATION  
(Looking at Front Face of Wall)

\* Included in the cost of "Pipe Underdrains for Structures".  
\*\* Backfill remainder of structure excavation and over excavation with same material specified for roadway embankment.



PLAN



PIPE UNDERDRAIN DETAIL

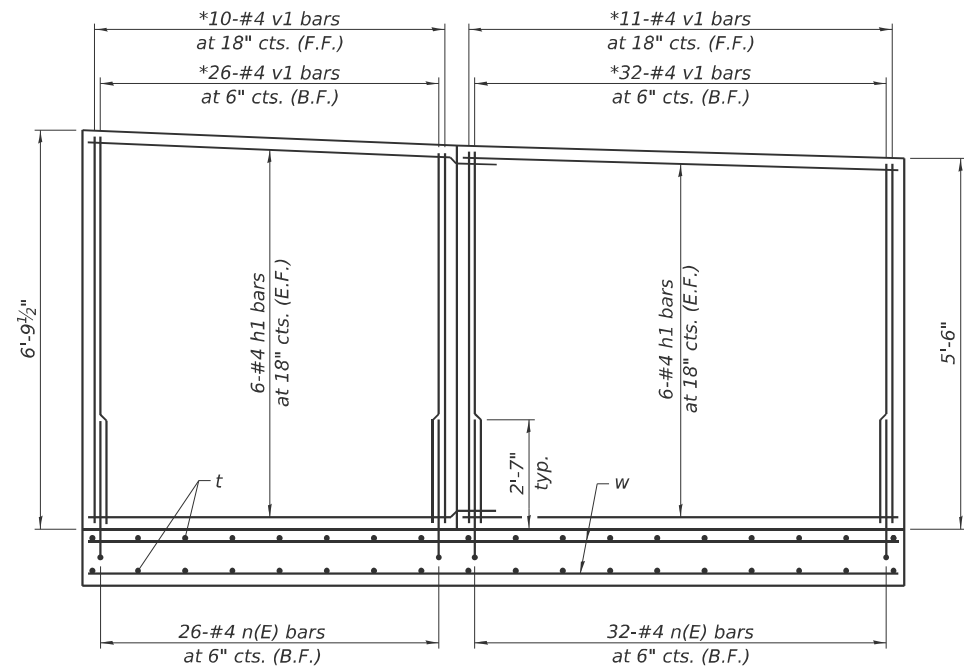
DESIGN SPECIFICATIONS  
2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

DESIGN STRESSES  
FIELD UNITS  
f'c = 3,500 psi  
fy = 60,000 psi (Reinforcement)

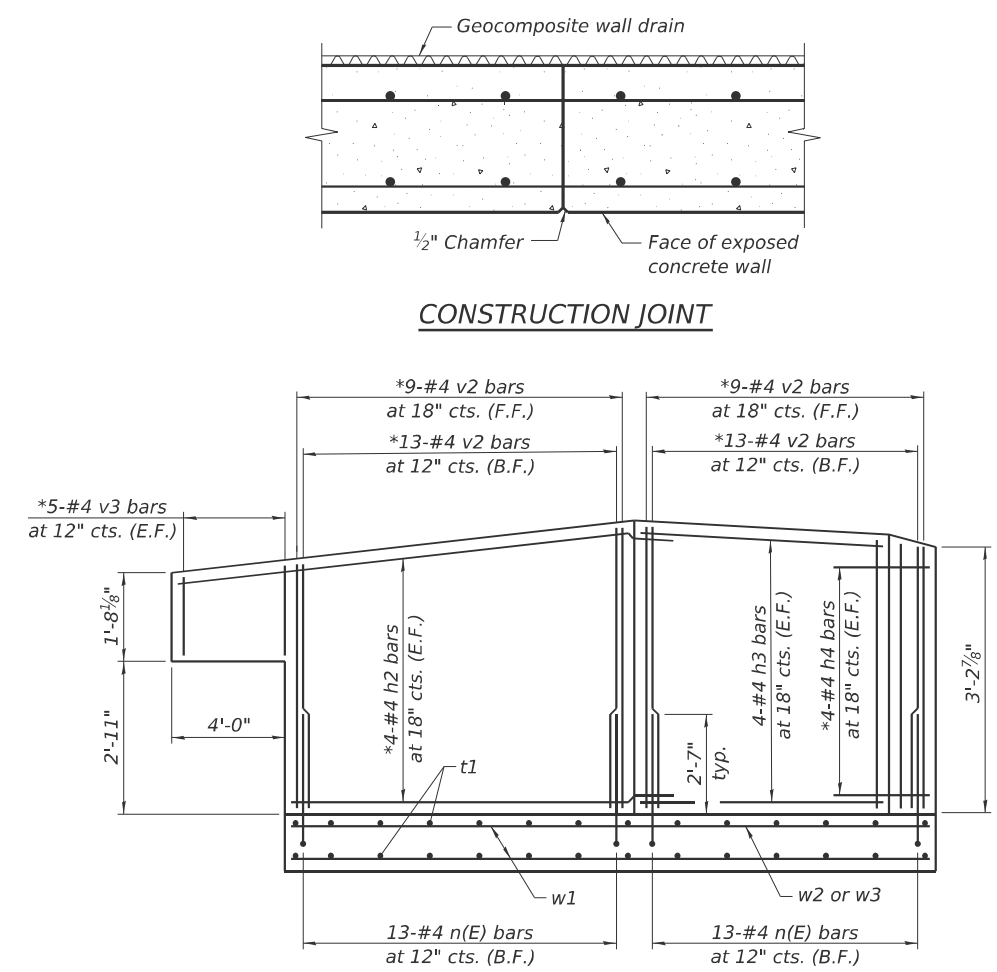
TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Structure Excavation	Cu. Yd.	73
Reinforcement Bars	Pound	1,630
Reinforcement Bars, Epoxy Coated	Pound	220
Concrete Structures (Retaining Wall)	Cu. Yd.	17.2
Granular Backfill for Structures	Cu. Yd.	27
Geocomposite Wall Drain	Sq. Yd.	21
Pipe Underdrains for Structures 4"	Foot	116

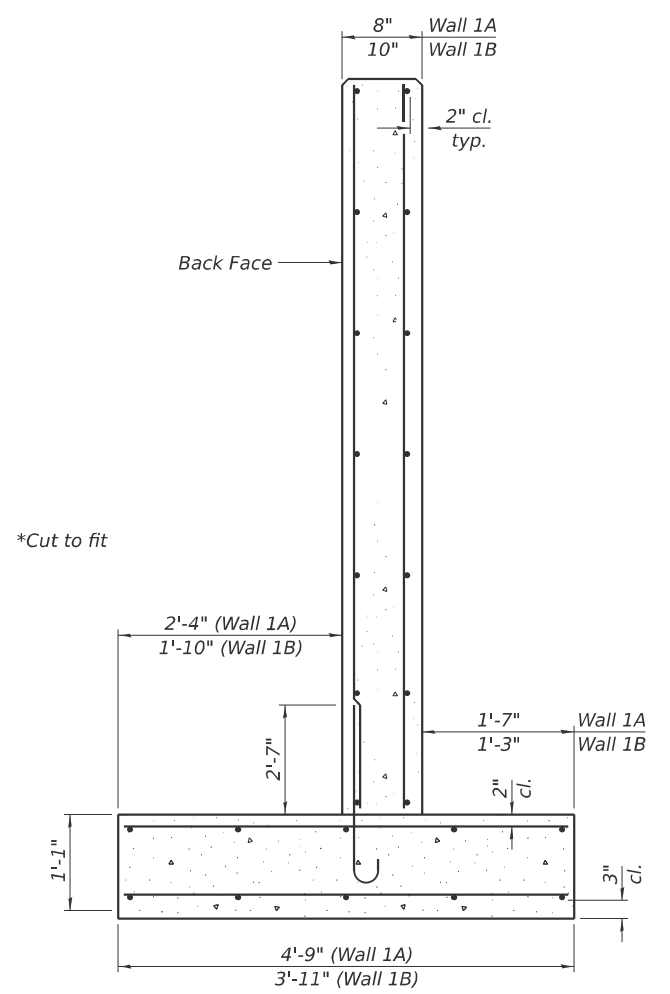
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**WALL 1A REINFORCEMENT**

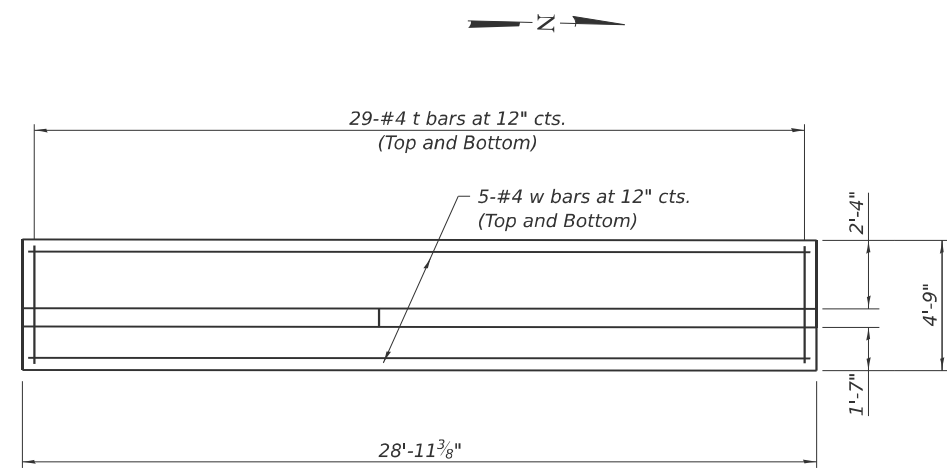


**WALL 1B REINFORCEMENT**

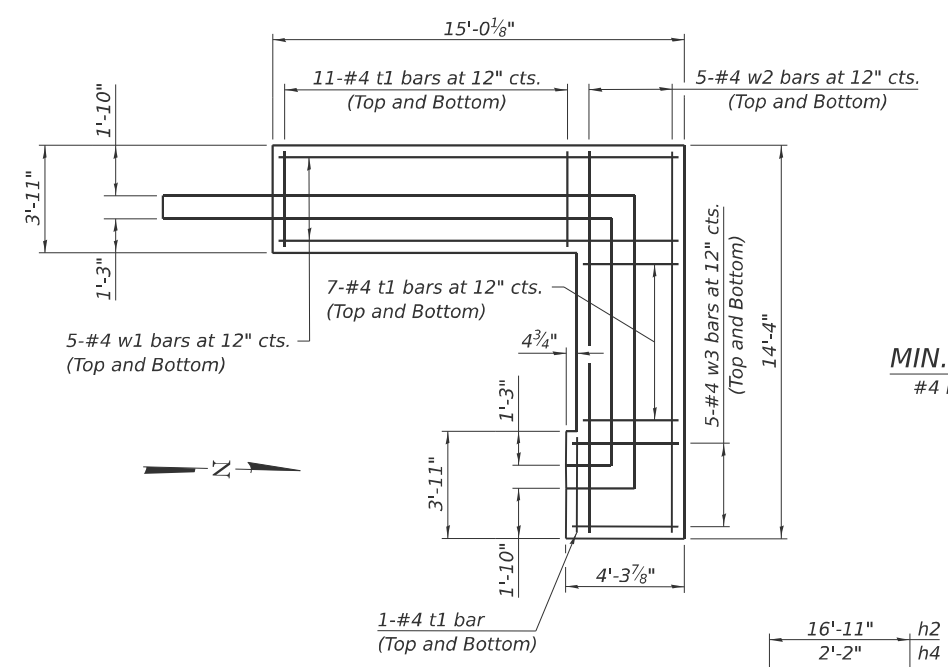


**SECTION THRU WALL**

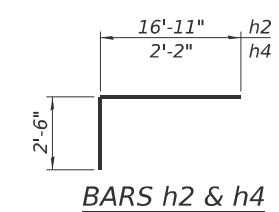
Note:  
Maximum applied service bearing pressure  $Q_{max} = 1,770$  psf.



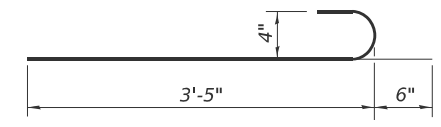
**WALL 1A FOOTING PLAN**



**WALL 1B FOOTING PLAN**



**BARS h2 & h4**

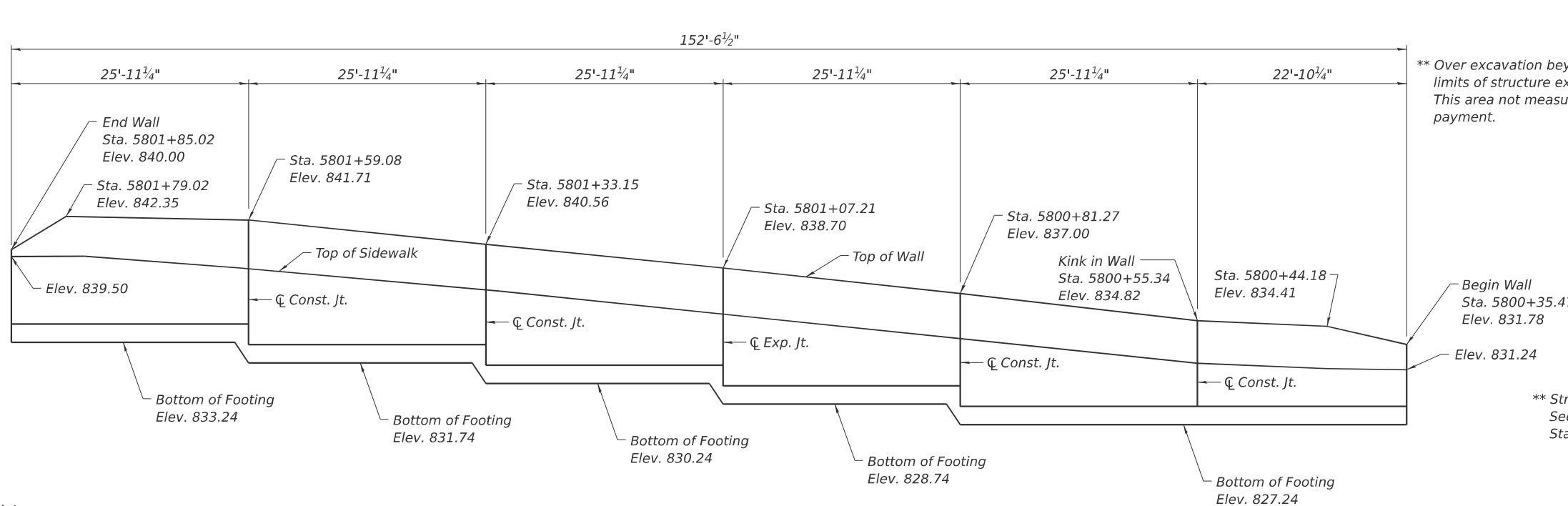


**BAR n(E)**

**BAR LIST**

Bar	No.	Size	Length	Shape
h1	24	#4	15'-8"	—
h2	8	#4	19'-5"	—
h3	8	#4	10'-5"	—
h4	8	#4	4'-8"	—
v1	79	#4	6'-6"	—
v2	44	#4	5'-4"	—
v3	10	#4	1'-8"	—
n(E)	84	#4	3'-11"	C
t	58	#4	4'-6"	—
t1	38	#4	3'-8"	—
w	10	#4	28'-7"	—
w1	10	#4	14'-8"	—
w2	10	#4	14'-1"	—
w3	10	#4	4'-0"	—

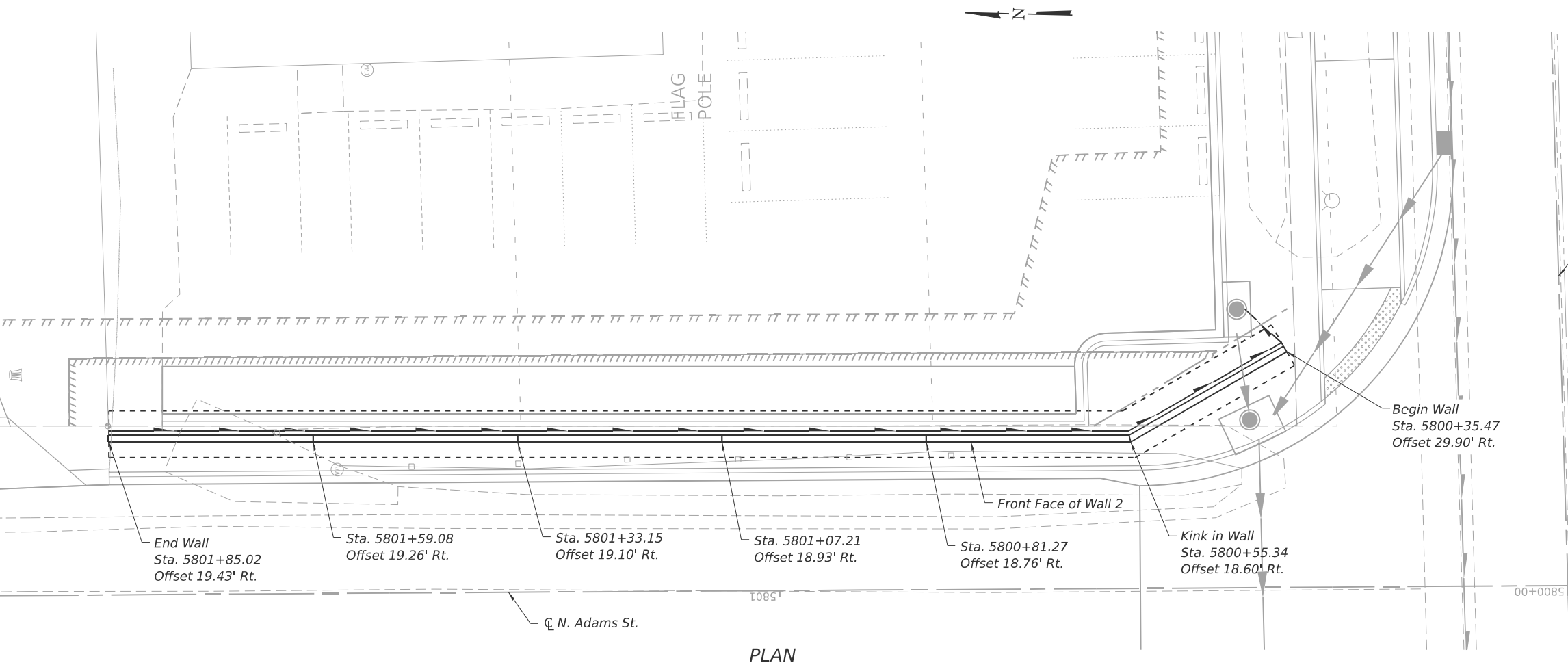
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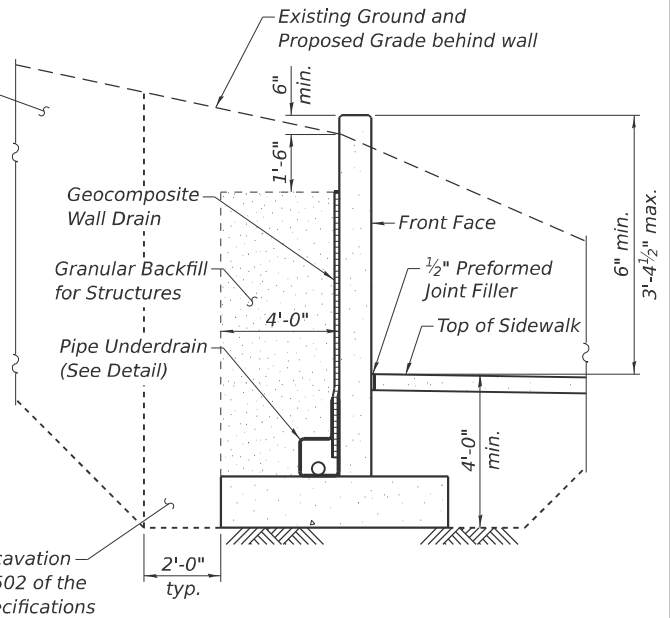
Notes:  
Horizontal dimensions measured along front face of wall unfolded, looking at front face of wall.  
All offsets measured to front face of retaining wall.

**ELEVATION**  
(Looking at Front Face of Wall)

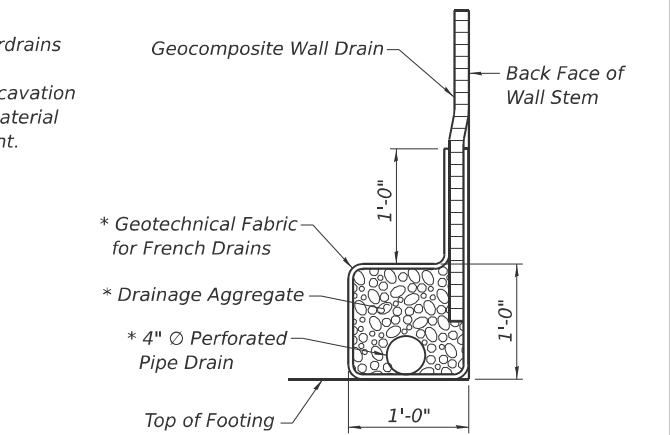
\* Included in the cost of "Pipe Underdrains for Structures".  
\*\* Backfill remainder of structure excavation and over excavation with same material specified for roadway embankment.



**PLAN**



**TYPICAL SECTION THRU WALL NO. 2**



**PIPE UNDERDRAIN DETAIL**

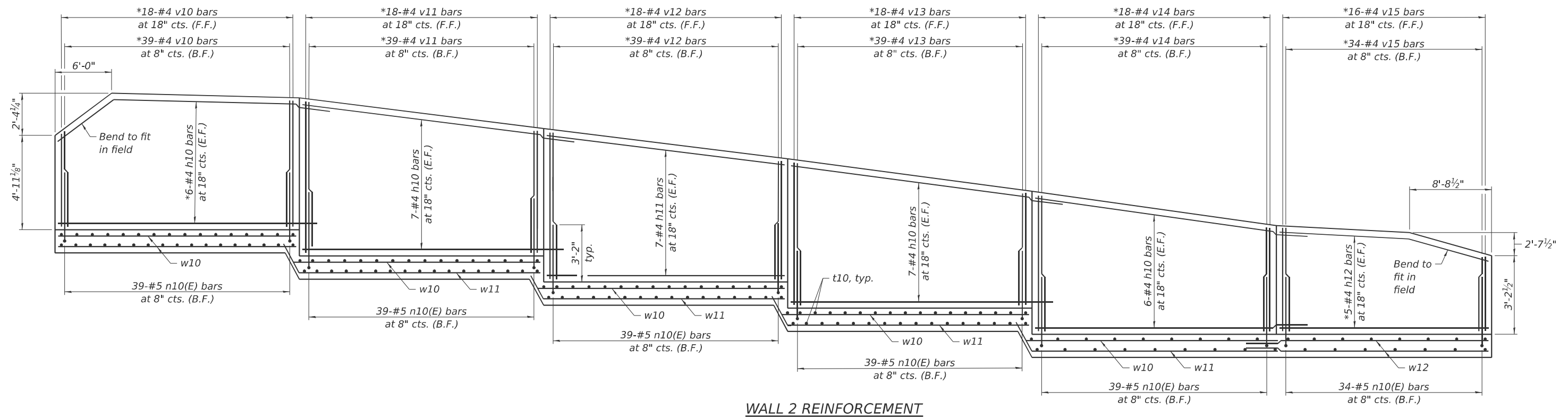
**DESIGN SPECIFICATIONS**  
2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

**DESIGN STRESSES**  
**FIELD UNITS**  
f'c = 3,500 psi  
fy = 60,000 psi (Reinforcement)

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Structure Excavation	Cu. Yd.	307
Reinforcement Bars	Pound	5,770
Reinforcement Bars, Epoxy Coated	Pound	1,100
Concrete Structures (Retaining Wall)	Cu. Yd.	79.7
Granular Backfill for Structures	Cu. Yd.	124
Geocomposite Wall Drain	Sq. Yd.	93
Pipe Underdrains for Structures 4"	Foot	158

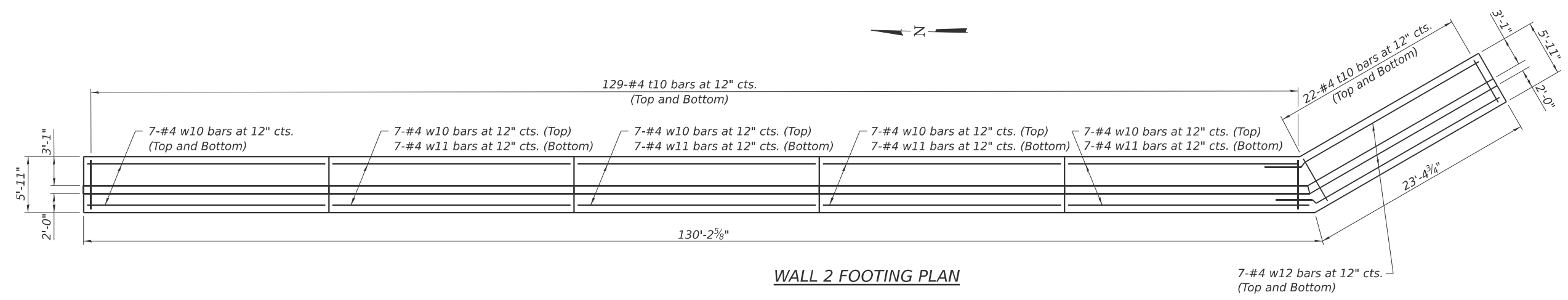
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**WALL 2 REINFORCEMENT**

**MIN. BAR LAP**  
#4 bar = 2'-3"

\*Cut to fit



**WALL 2 FOOTING PLAN**

(Sheet 1 of 2)

MODEL: Bridge Sheet  
FILE NAME: \\192.168.0.53\injobs\2004\struct\cadd (ORD)\CADD\_Sheets\64L94-RV02-02-Details.dgn

**Lin ENGINEERING, LTD.**  
Consulting Engineers  
Springfield, Illinois

USER NAME = Lin10-PC	DESIGNED - CL	REVISED -
	DRAWN - TJR	REVISED -
	CHECKED - CZ	REVISED -
PLOT DATE = 3/23/2026	DATE - 01/03/2025	REVISED -

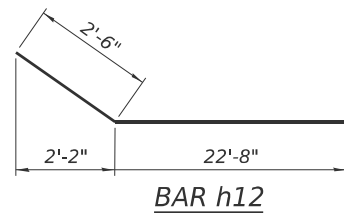
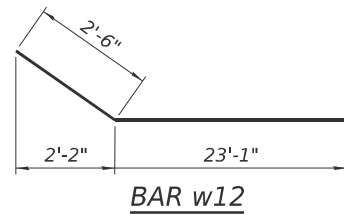
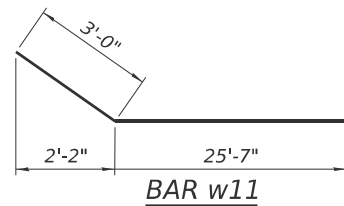
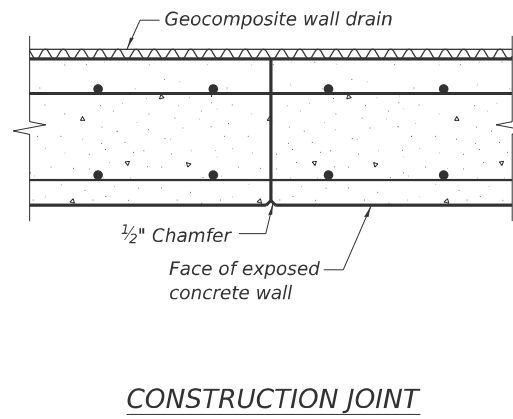
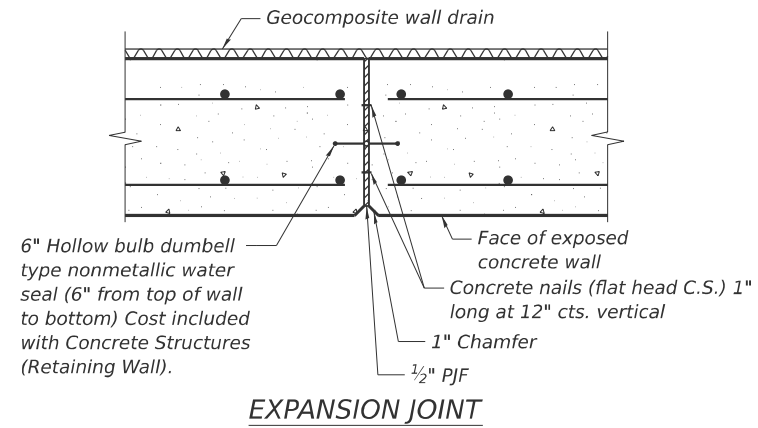
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**RETAINING WALL NO. 2**  
**RETAINING WALL DETAILS**

SHEET 2 OF 3 SHEETS

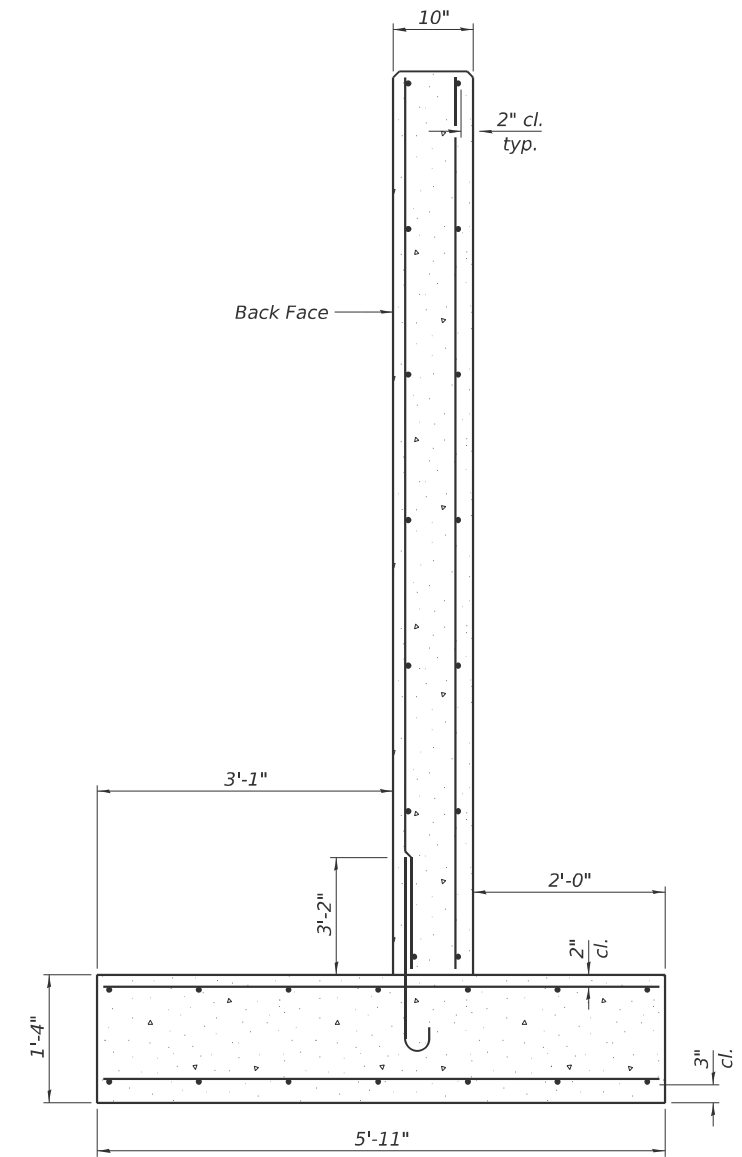
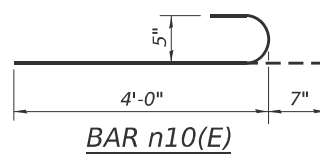
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	307
CONTRACT NO. 64L94				

ILLINOIS FED. AID PROJECT



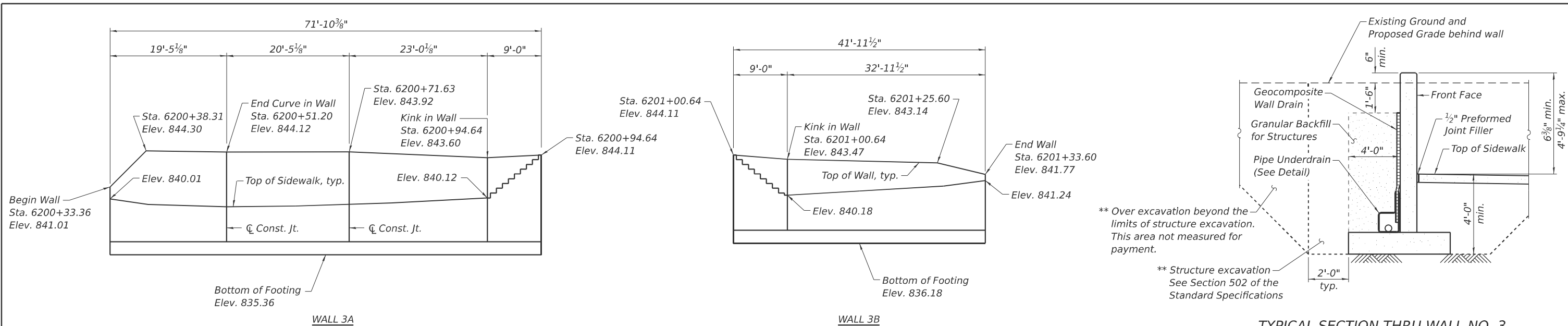
**BAR LIST**

Bar	No.	Size	Length	Shape
h10	52	#4	28'-2"	—
h11	14	#4	25'-8"	—
h12	10	#4	25'-2"	∩
n10(E)	229	#5	4'-7"	U
t10	302	#4	5'-8"	—
v10	57	#4	7'-1"	—
v11	57	#4	8'-4"	—
v12	57	#4	8'-8"	—
v13	57	#4	8'-3"	—
v14	57	#4	8'-1"	—
v15	50	#4	6'-0"	—
w10	42	#4	25'-8"	—
w11	28	#4	28'-7"	∩
w12	14	#4	25'-7"	∩



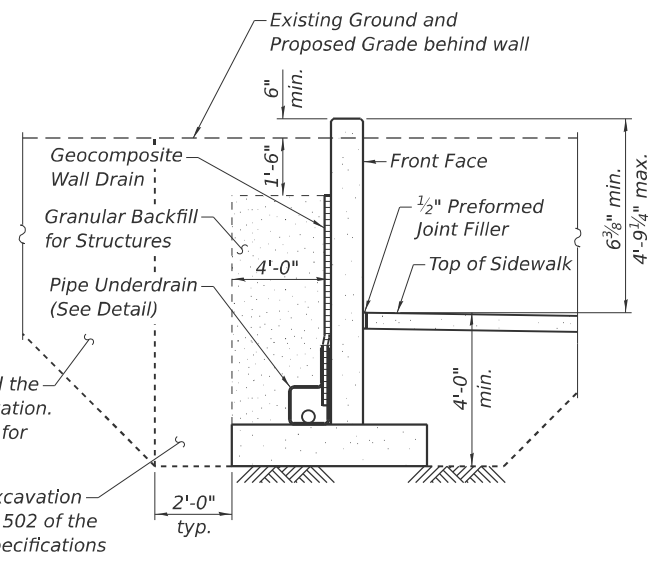
Note:  
Maximum applied service bearing pressure  $Q_{max} = 2,020$  psf.

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\*\* Over excavation beyond the limits of structure excavation. This area not measured for payment.

\*\* Structure excavation See Section 502 of the Standard Specifications

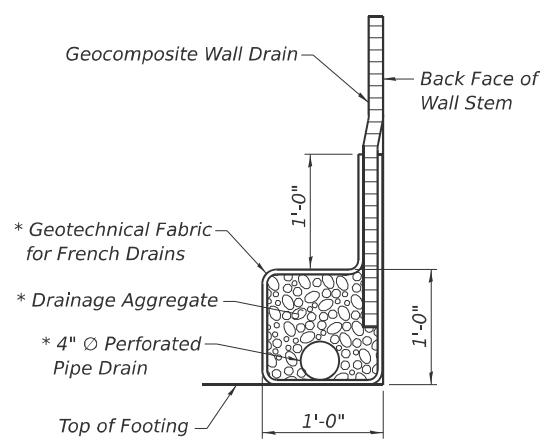


TYPICAL SECTION THRU WALL NO. 3

ELEVATION  
(Looking at Front Face of Wall)

Notes:  
Horizontal dimensions measured along front face of wall unfolded, looking at front face of wall.  
All offsets measured to front face of retaining wall.

\* Included in the cost of "Pipe Underdrains for Structures".  
\*\* Backfill remainder of structure excavation and over excavation with same material specified for roadway embankment.



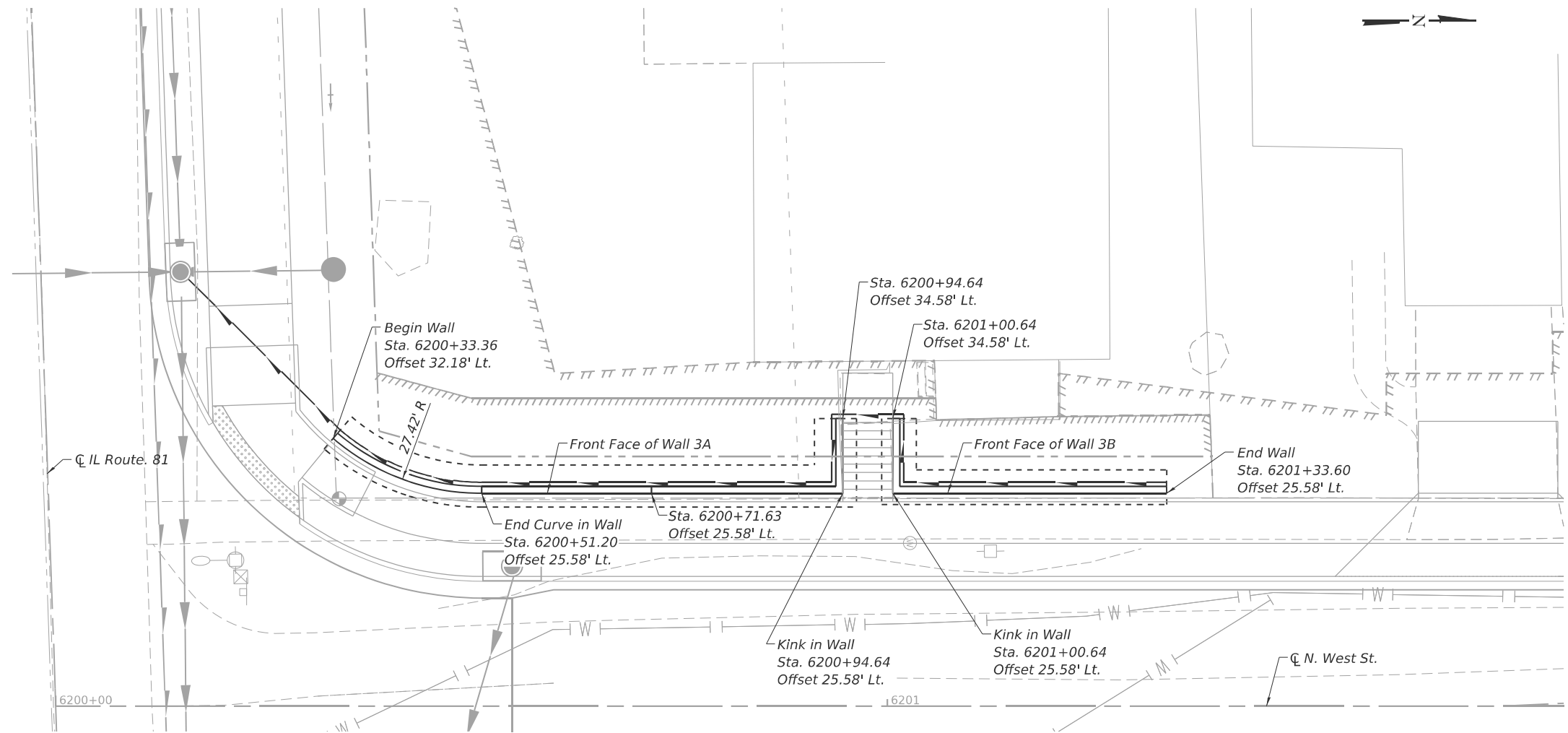
PIPE UNDERDRAIN DETAIL

DESIGN SPECIFICATIONS  
2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

DESIGN STRESSES  
FIELD UNITS  
f'c = 3,500 psi  
fy = 60,000 psi (Reinforcement)

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Structure Excavation	Cu. Yd.	193
Reinforcement Bars	Pound	3,540
Reinforcement Bars, Epoxy Coated	Pound	390
Concrete Structures (Retaining Wall)	Cu. Yd.	45.9
Granular Backfill for Structures	Cu. Yd.	85
Geocomposite Wall Drain	Sq. Yd.	64
Pipe Underdrains for Structures 4"	Foot	143



PLAN

MODEL - Bridge Sheet  
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**LE** LIN ENGINEERING, LTD.  
Consulting Engineers  
Springfield, Illinois

USER NAME: LIN16-PC	DESIGNED - CL	REVISED -
	DRAWN - SJH	REVISED -
	CHECKED - CZ	REVISED -
PLOT DATE: 3/20/2026	DATE: -01/03/2025	REVISED -

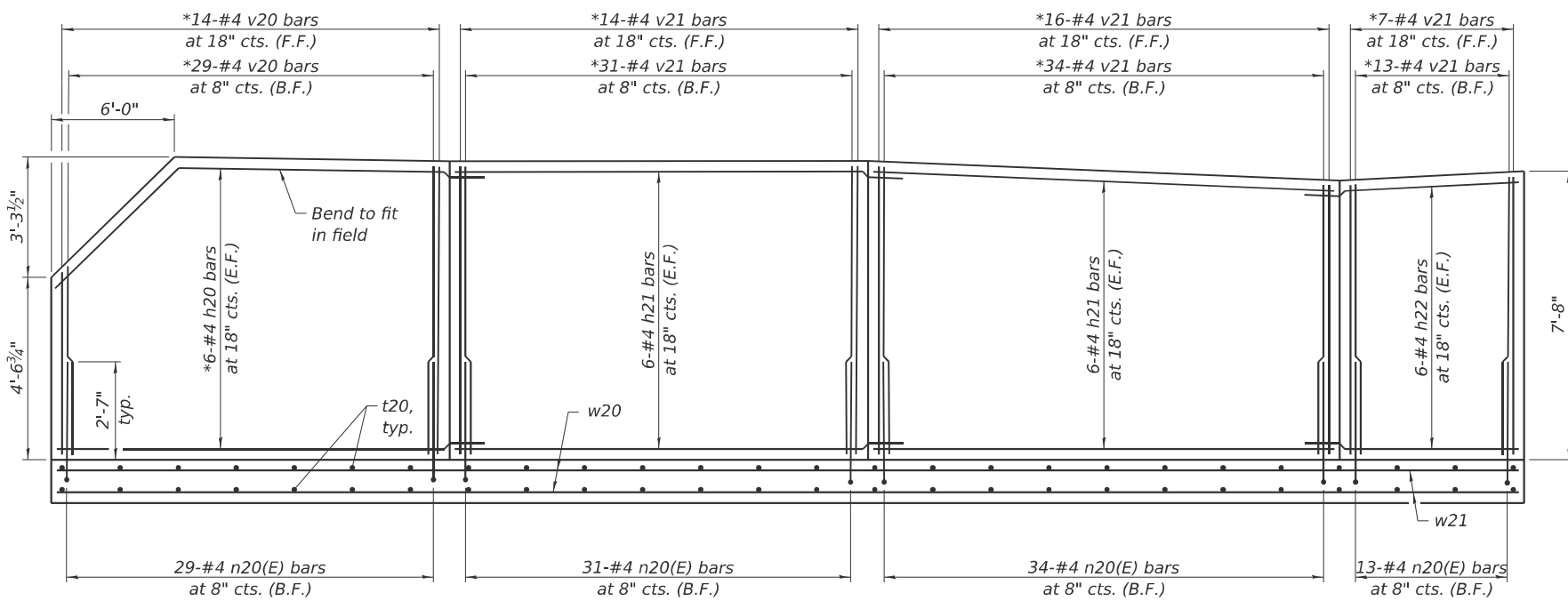
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

RETAINING WALL NO. 3  
GENERAL PLAN AND ELEVATION

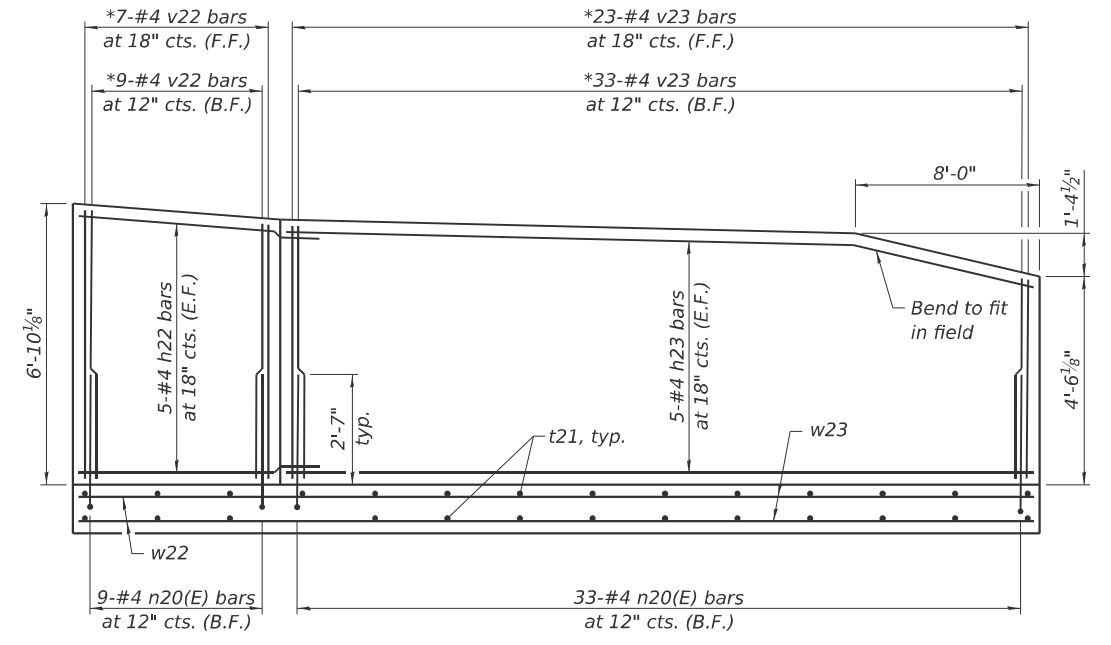
SHEET 1 OF 3 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	309
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				

MODEL: Bridge Sheet  
 FILE NAME: \\192.168.0.53\injobs\2004\struct\cadd (ORD)\CADD\_Sheets\64L94-RV03-02-Details.dgn



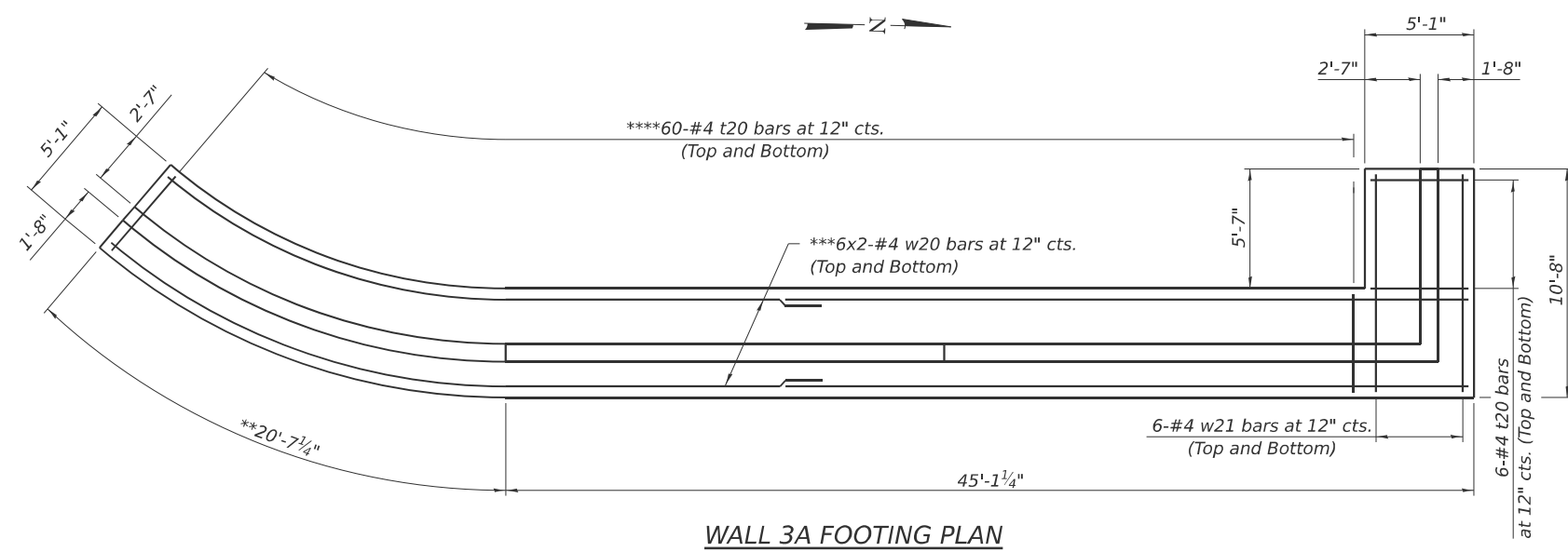
**WALL 3A REINFORCEMENT**



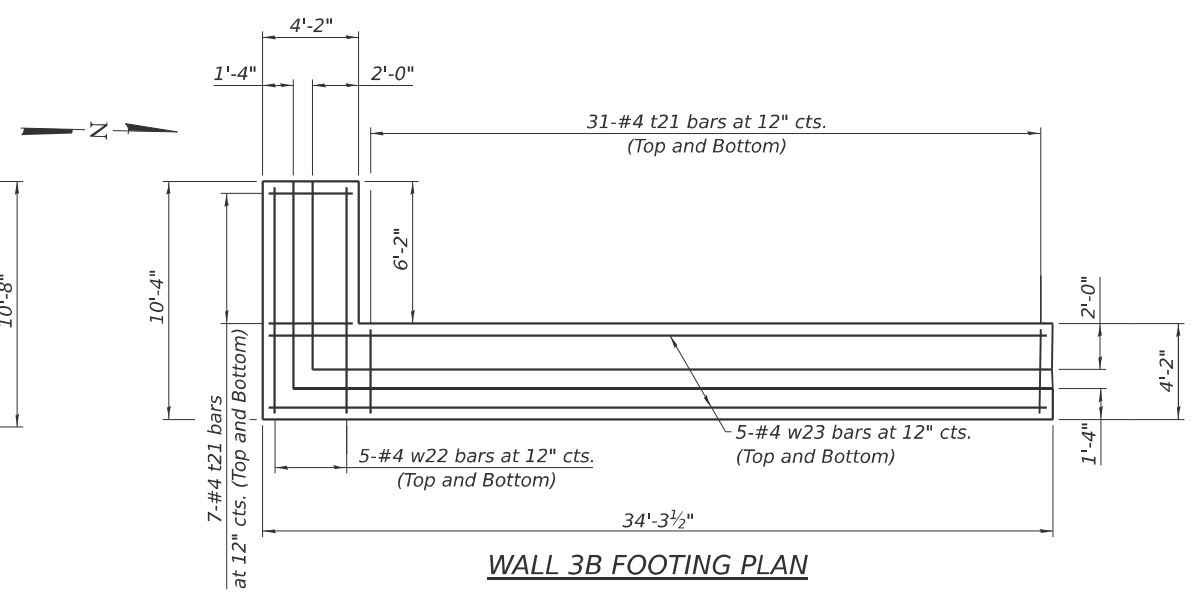
**WALL 3B REINFORCEMENT**

**MIN. BAR LAP**  
 #4 bar = 2'-3"

\*Cut to fit  
 \*\*Measured along front face of footing  
 \*\*\*Bend bars along the curve as needed  
 \*\*\*\*Placed radially



**WALL 3A FOOTING PLAN**



**WALL 3B FOOTING PLAN**

(Sheet 1 of 2)



USER NAME = LIN16-PC	DESIGNED - CL	REVISED -
	DRAWN - TJR	REVISED -
	CHECKED - CZ	REVISED -
PLOT DATE = 3/19/2026	DATE - 01/03/2025	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

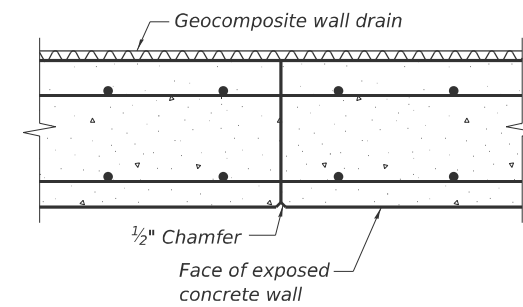
**RETAINING WALL NO. 3  
 RETAINING WALL DETAILS**

SHEET 2 OF 3 SHEETS

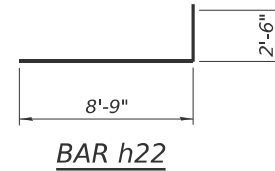
F.A.P. RTE. 611	SECTION 104R	COUNTY HENRY	TOTAL SHEETS 426	SHEET NO. 310
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				

**BAR LIST**

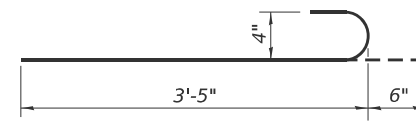
Bar	No.	Size	Length	Shape
h20	12	#4	21'-9"	—
h21	24	#4	22'-9"	—
h22	22	#4	11'-3"	┌
h23	10	#4	32'-8"	—
n20(E)	149	#4	3'-11"	└
t20	132	#4	4'-10"	—
t21	76	#4	3'-11"	—
v20	43	#4	7'-6"	—
v21	115	#4	7'-4"	—
v22	16	#4	6'-6"	—
v23	56	#4	5'-10"	—
w20	24	#4	34'-0"	—
w21	12	#4	10'-5"	—
w22	10	#4	10'-1"	—
w23	10	#4	34'-0"	—



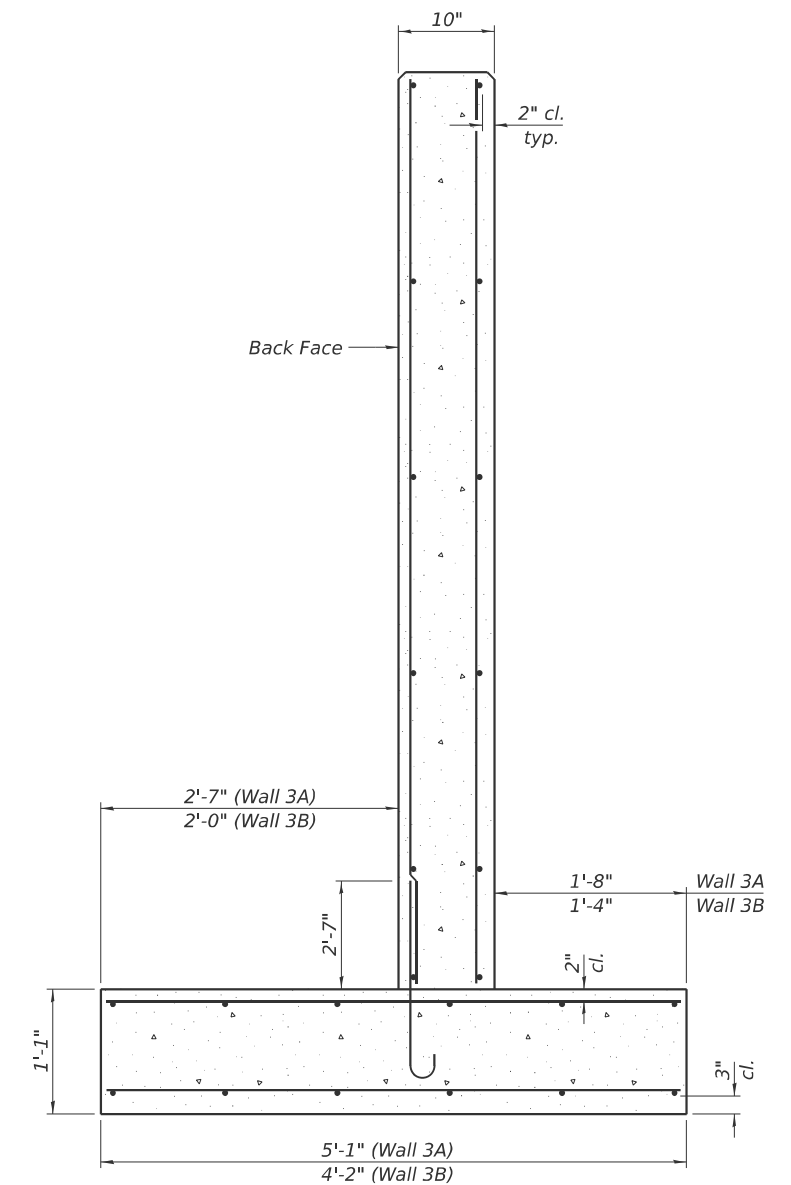
**CONSTRUCTION JOINT**



**BAR h22**



**BAR n20(E)**



**SECTION THRU WALL**

Note:  
Maximum applied service bearing pressure  $Q_{max} = 1,810$  psf.

(Sheet 2 of 2)

MODEL: Br\_Sheet\_Constltant  
FILE NAME: E:\2024\struct\CADD (ORD)\CADD\_Sheets\64L94-RV03-03-Details.dgn



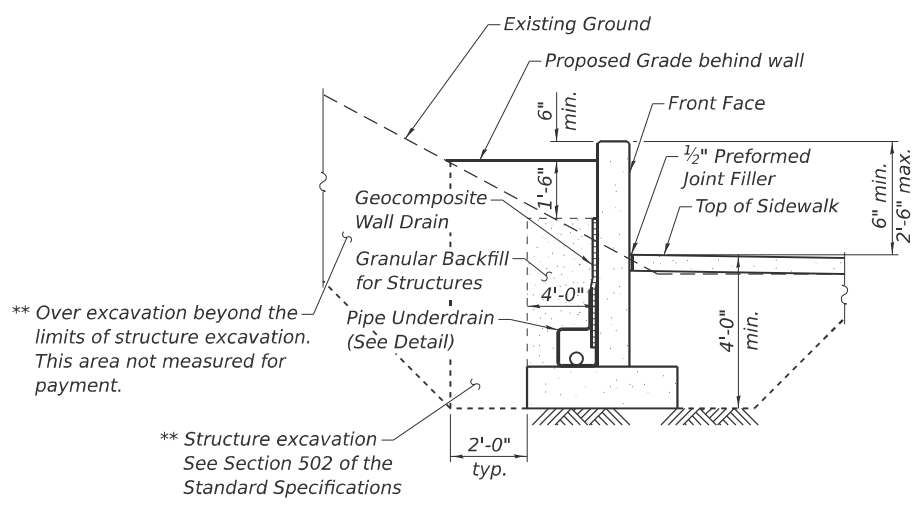
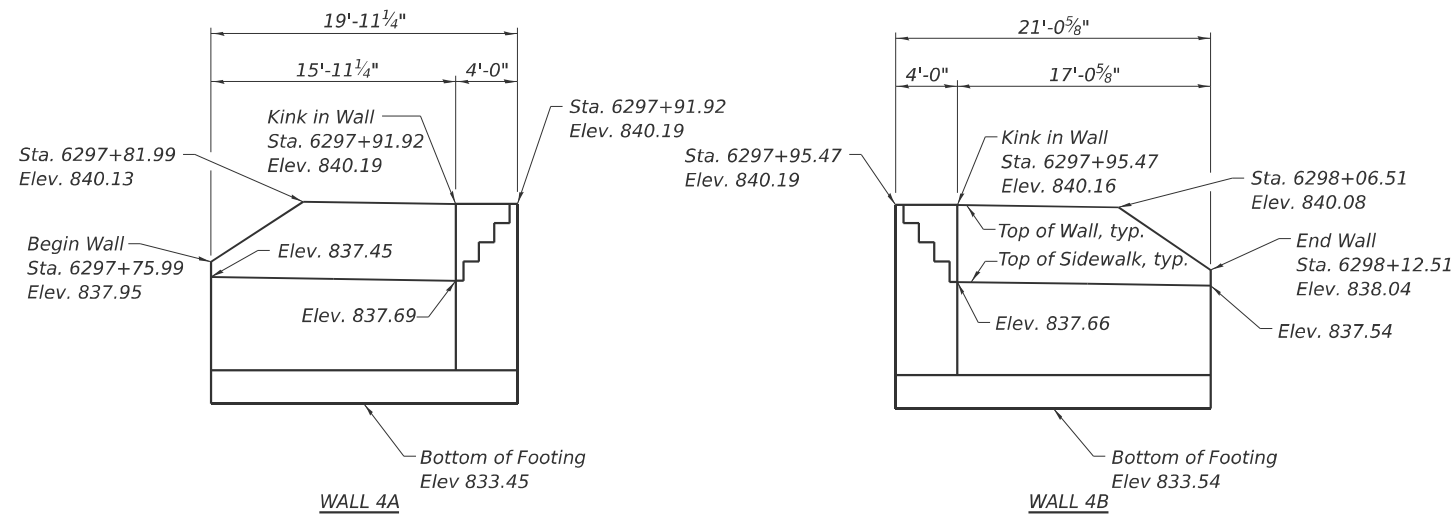
USER NAME = LIN16-PC	DESIGNED - CL	REVISED -
	DRAWN - TJR	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - CZ	REVISED -
PLOT DATE = 1/24/2026	CHECKED DATE - 01/03/2025	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RETAINING WALL NO. 3  
RETAINING WALL DETAILS**

SHEET 3 OF 3 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	311
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				

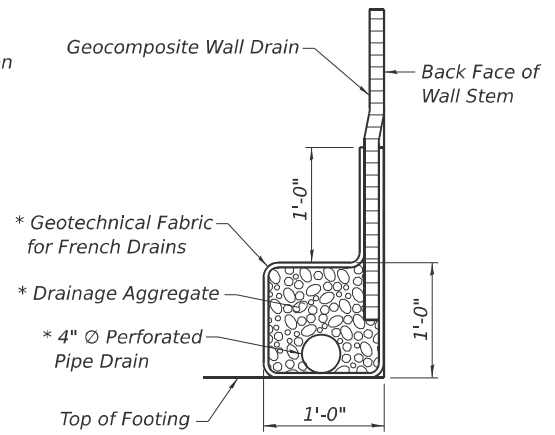


**Notes:**  
 Horizontal dimensions measured along front face of wall unfolded, looking at front face of wall.  
 All offsets measured to front face of retaining wall.

**ELEVATION**  
 (Looking at Front Face of Wall)

**TYPICAL SECTION THRU WALL NO. 4**

\* Included in the cost of "Pipe Underdrains for Structures".  
 \*\* Backfill remainder of structure excavation and over excavation with same material specified for roadway embankment.



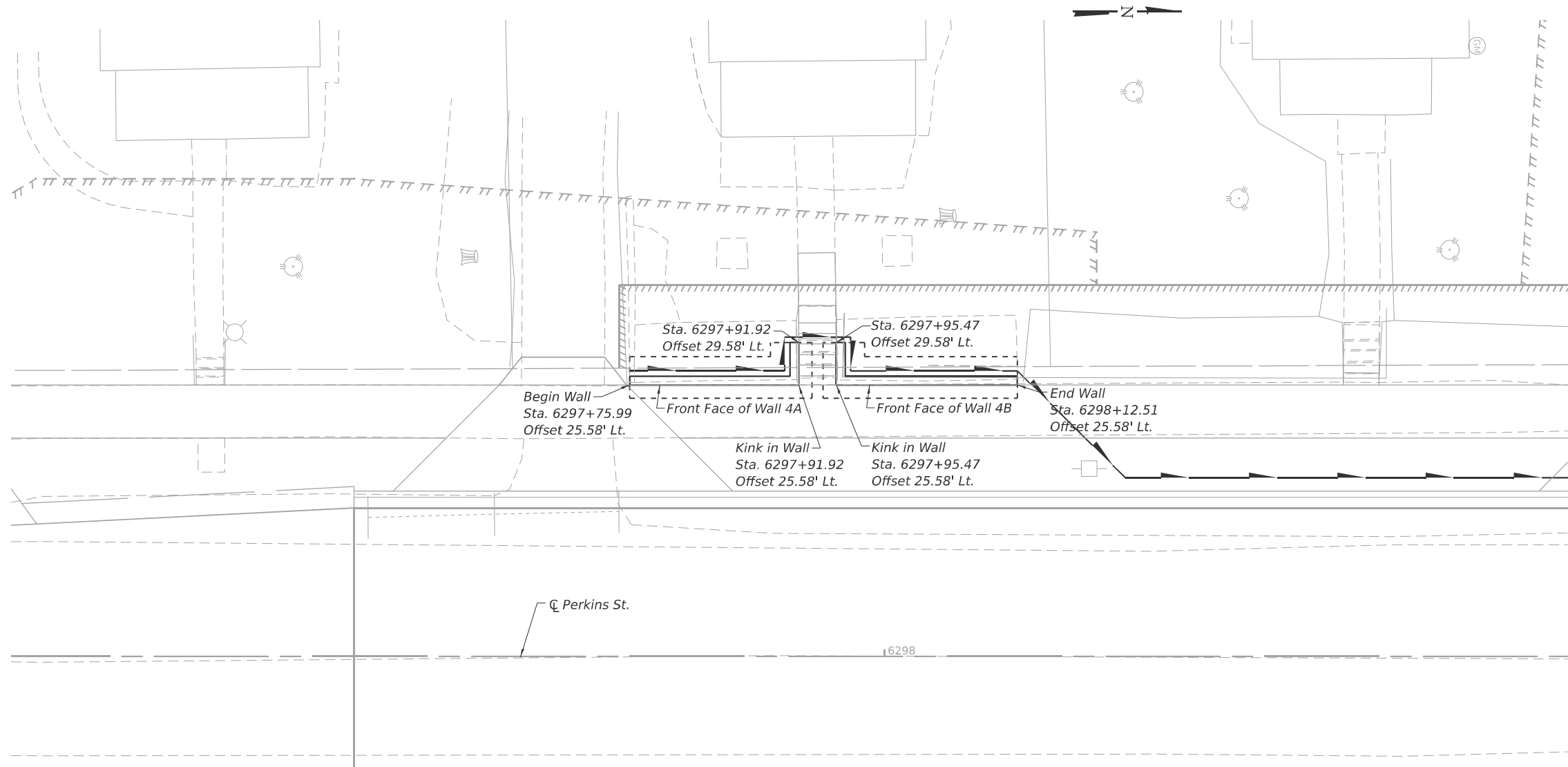
**PIPE UNDERDRAIN DETAIL**

**DESIGN SPECIFICATIONS**  
 2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

**DESIGN STRESSES**  
**FIELD UNITS**  
 f'c = 3,500 psi  
 fy = 60,000 psi (Reinforcement)

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Structure Excavation	Cu. Yd.	51
Reinforcement Bars	Pound	970
Reinforcement Bars, Epoxy Coated	Pound	120
Concrete Structures (Retaining Wall)	Cu. Yd.	11.7
Granular Backfill for Structures	Cu. Yd.	22
Geocomposite Wall Drain	Sq. Yd.	17
Pipe Underdrains for Structures 4"	Foot	176



**PLAN**

MODEL - Bridge Sheet  
 FILE NAME: \\192.168.0.53\in\ps12004\struct\cadd (ORD)\CADD\_Sheets\64L94-RW04-01-GPE.dgn

**LE** LIN ENGINEERING, LTD.  
 Consulting Engineers  
 Springfield, Illinois

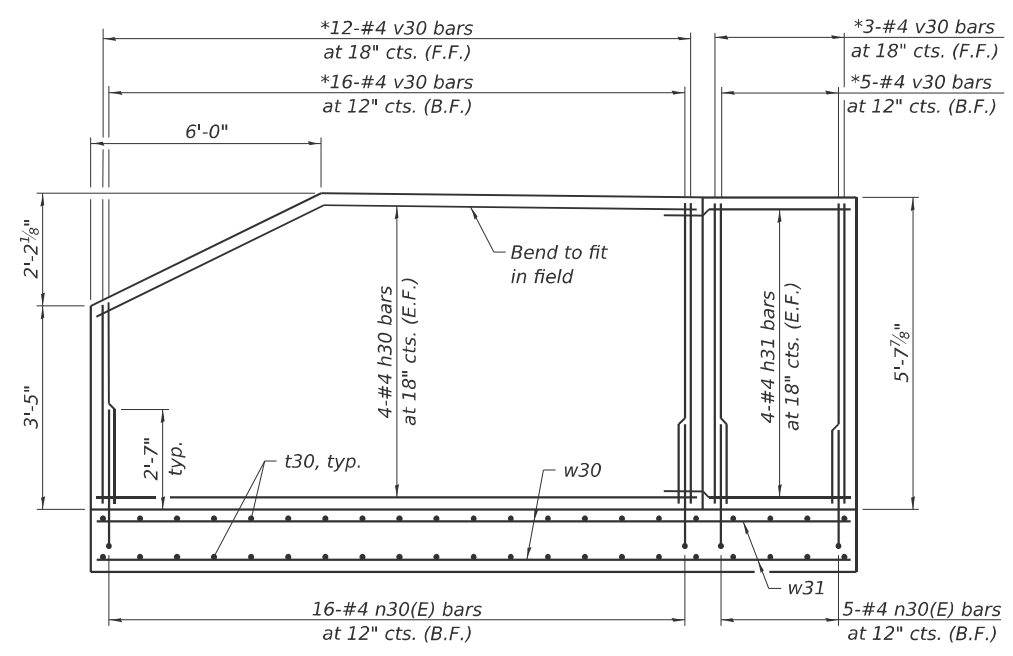
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	DRAWN - SJH	REVISED -
	CHECKED - CZ	REVISED -
PLOT DATE = 3/20/2026	DATE - 01/03/2025	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

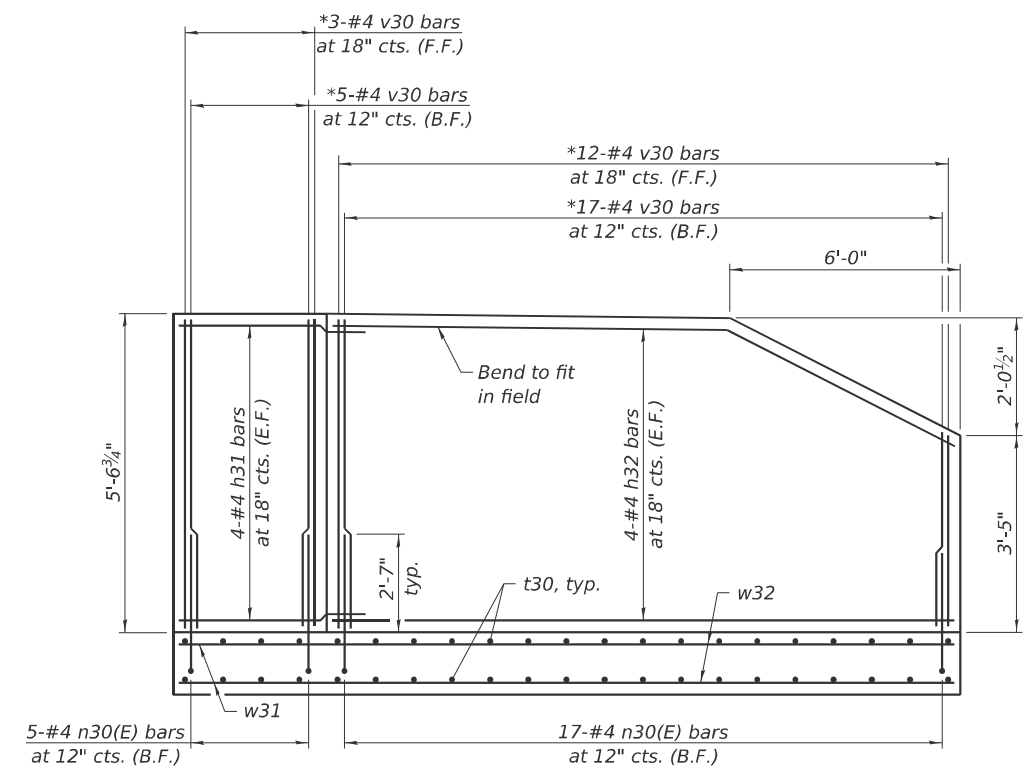
**RETAINING WALL NO. 4**  
**GENERAL PLAN AND ELEVATION**

SHEET 1 OF 2 SHEETS

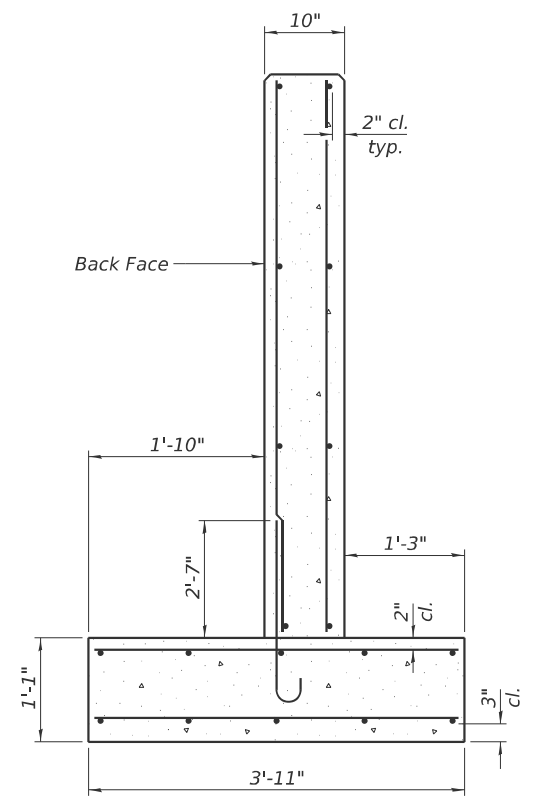
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	312
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				



**WALL 4A REINFORCEMENT**



**WALL 4B REINFORCEMENT**



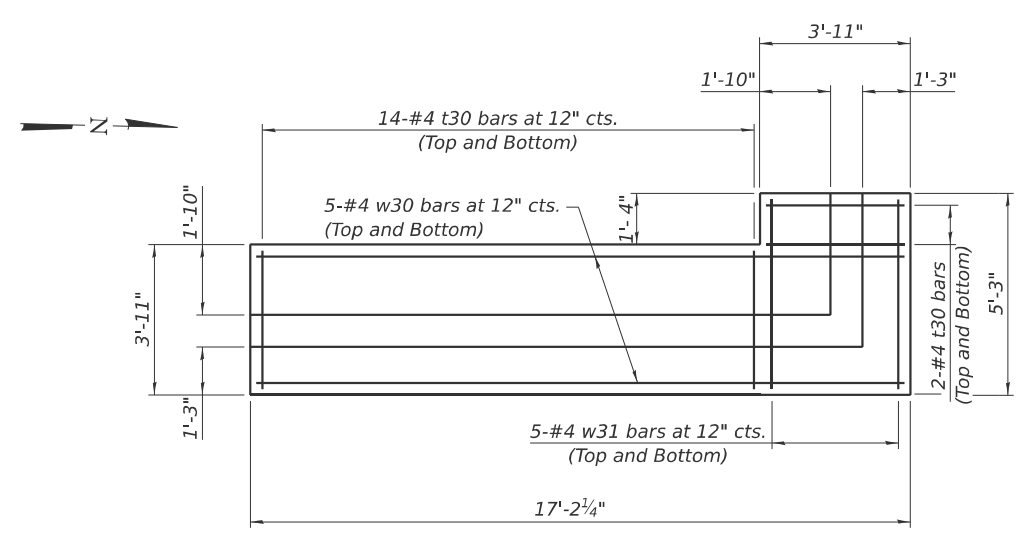
**SECTION THRU WALL**

\*Cut to fit  
 Note:  
 Maximum applied service bearing pressure  $Q_{max} = 1,230$  psf.

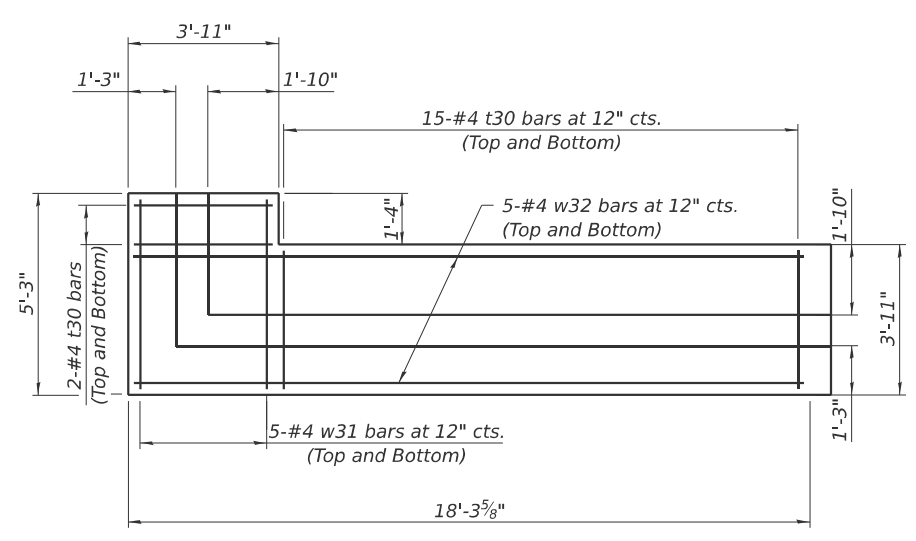
**MIN. BAR LAP**  
 #4 bar = 2'-3"

**BAR LIST**

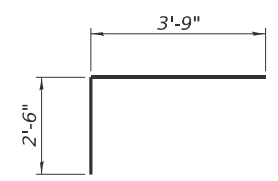
Bar	No.	Size	Length	Shape
h30	8	#4	15'-8"	—
h31	16	#4	6'-3"	┌
h32	8	#4	16'-9"	—
n30(E)	43	#4	3'-11"	┌
t30	66	#4	3'-8"	—
v30	73	#4	5'-5"	—
w30	10	#4	16'-11"	—
w31	20	#4	5'-0"	—
w32	10	#4	18'-0"	—



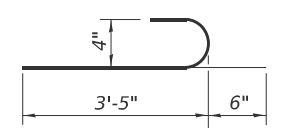
**WALL 4A FOOTING PLAN**



**WALL 4B FOOTING PLAN**

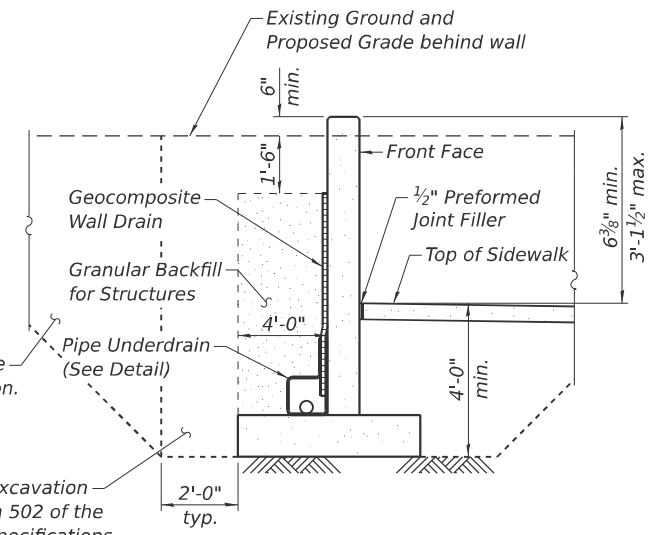
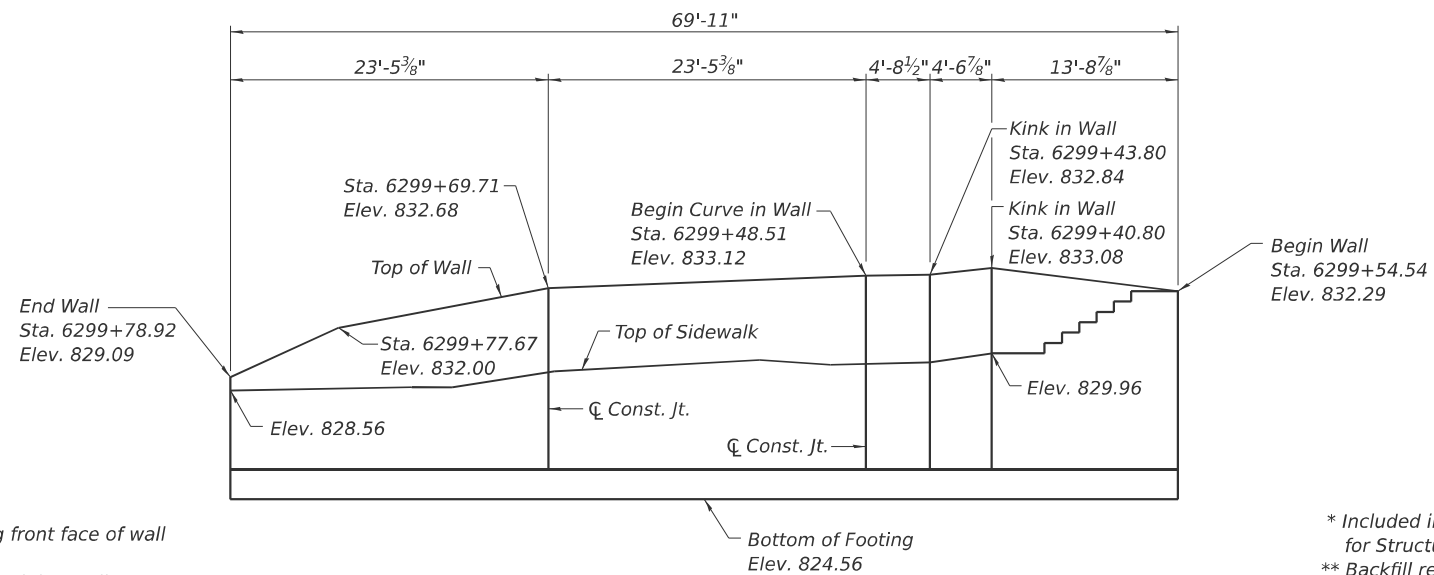


**BAR h31**



**BAR n30(E)**

MODEL - Bridge Sheet  
 FILE NAME: \\192.168.0.53\linjobs\2004\struct\cadd (ORD)\CADD\_Sheets\64L94-RW04-02-Details.dgn



\*\* Over excavation beyond the limits of structure excavation. This area not measured for payment.

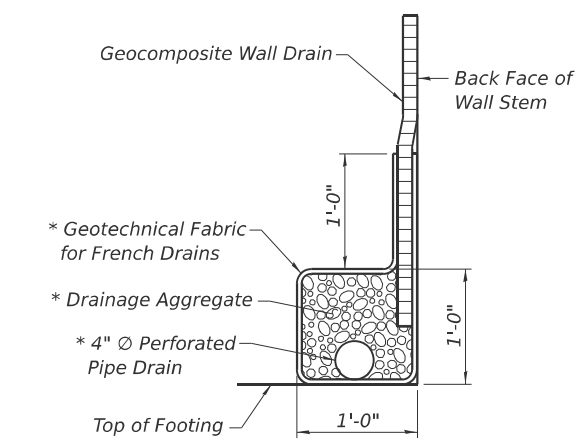
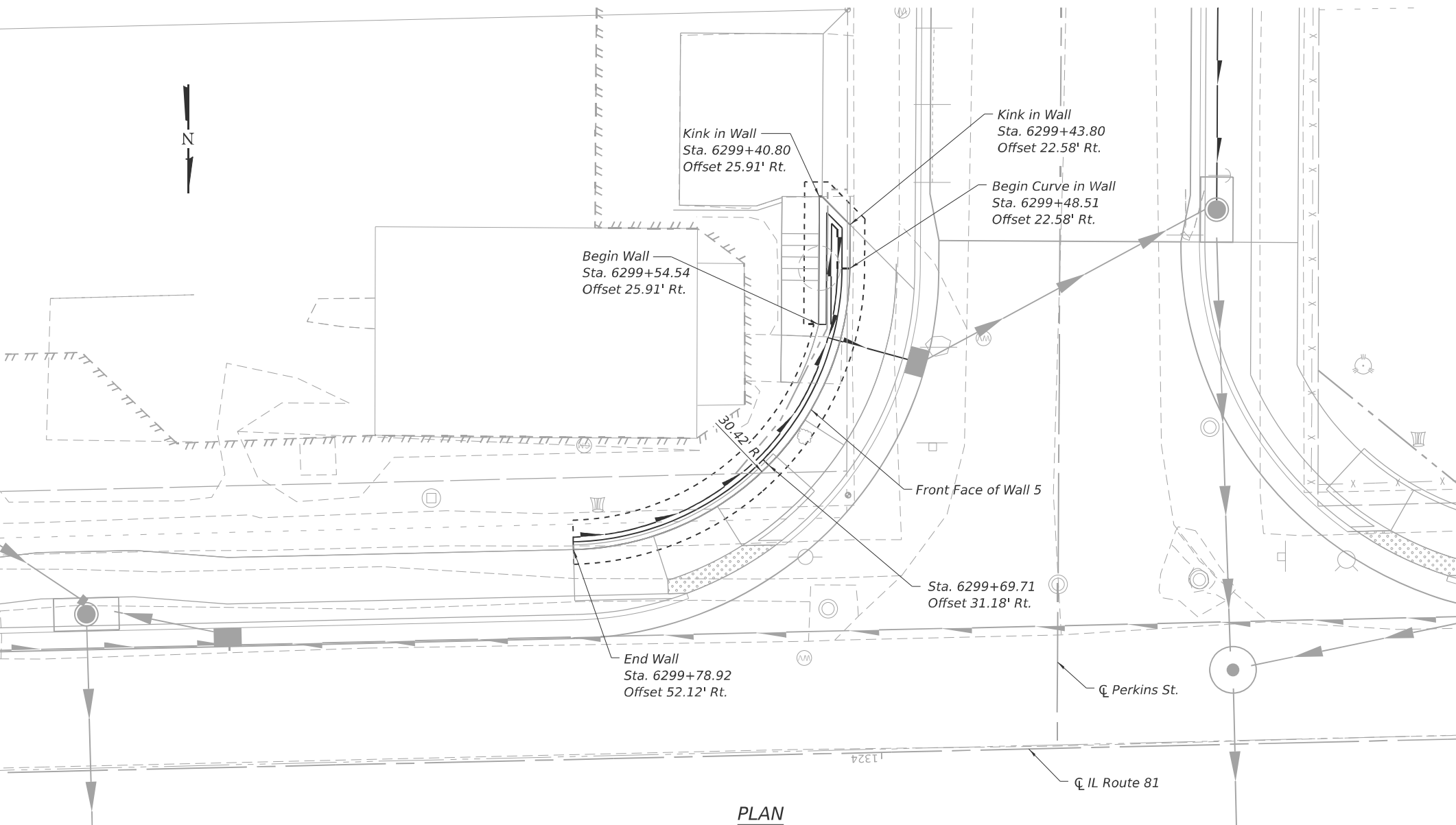
\*\* Structure excavation See Section 502 of the Standard Specifications

\* Included in the cost of "Pipe Underdrains for Structures".  
 \*\* Backfill remainder of structure excavation and over excavation with same material specified for roadway embankment.

TYPICAL SECTION THRU WALL NO. 5

Notes:  
 Horizontal dimensions measured along front face of wall unfolded, looking at front face of wall.  
 All offsets measured to front face of retaining wall.

ELEVATION  
 (Looking at Front Face of Wall)



PIPE UNDERDRAIN DETAIL

DESIGN SPECIFICATIONS  
 2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

DESIGN STRESSES  
 FIELD UNITS

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

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Structure Excavation	Cu. Yd.	101
Reinforcement Bars	Pound	2,000
Reinforcement Bars, Epoxy Coated	Pound	240
Concrete Structures (Retaining Wall)	Cu. Yd.	26.5
Granular Backfill for Structures	Cu. Yd.	52
Geocomposite Wall Drain	Sq. Yd.	39
Pipe Underdrains for Structures 4"	Foot	70

MODEL - Bridge Sheet  
 FILE NAME: \\192.168.0.53\in\ps2\2004\structure\CADD (ORD)\CADD\_Sheets\64L94-RV05-01-GPE.dgn

**LE** LIN ENGINEERING, LTD.  
 Consulting Engineers  
 Springfield, Illinois

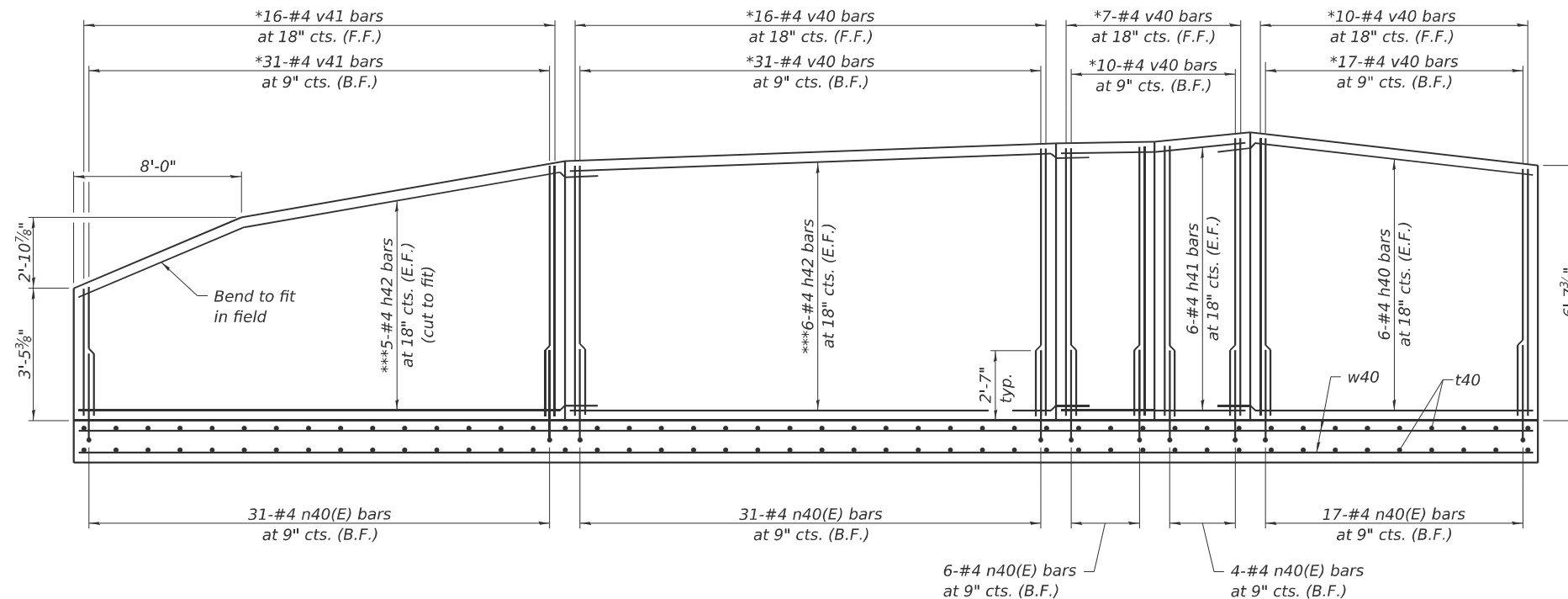
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	DRAWN - SJH	REVISED -
	CHECKED - CZ	REVISED -
PLOT DATE = 3/20/2026	DATE - 01/03/2025	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

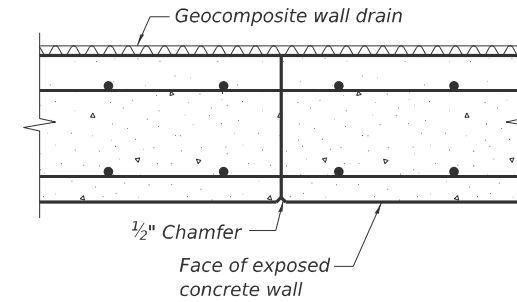
RETAINING WALL NO. 5  
 GENERAL PLAN AND ELEVATION

SHEET 1 OF 2 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	314
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				

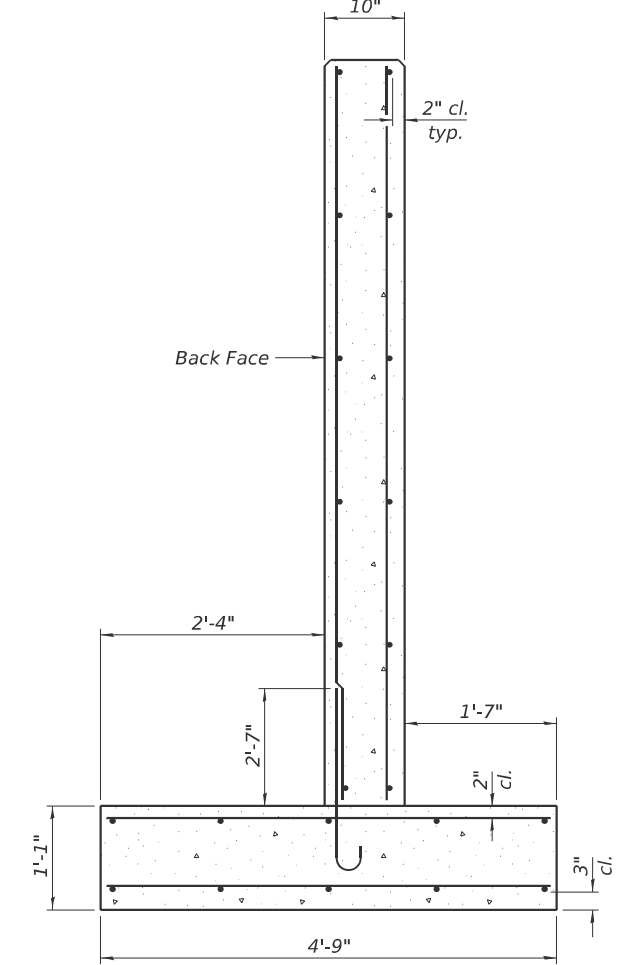


**WALL 5 REINFORCEMENT**

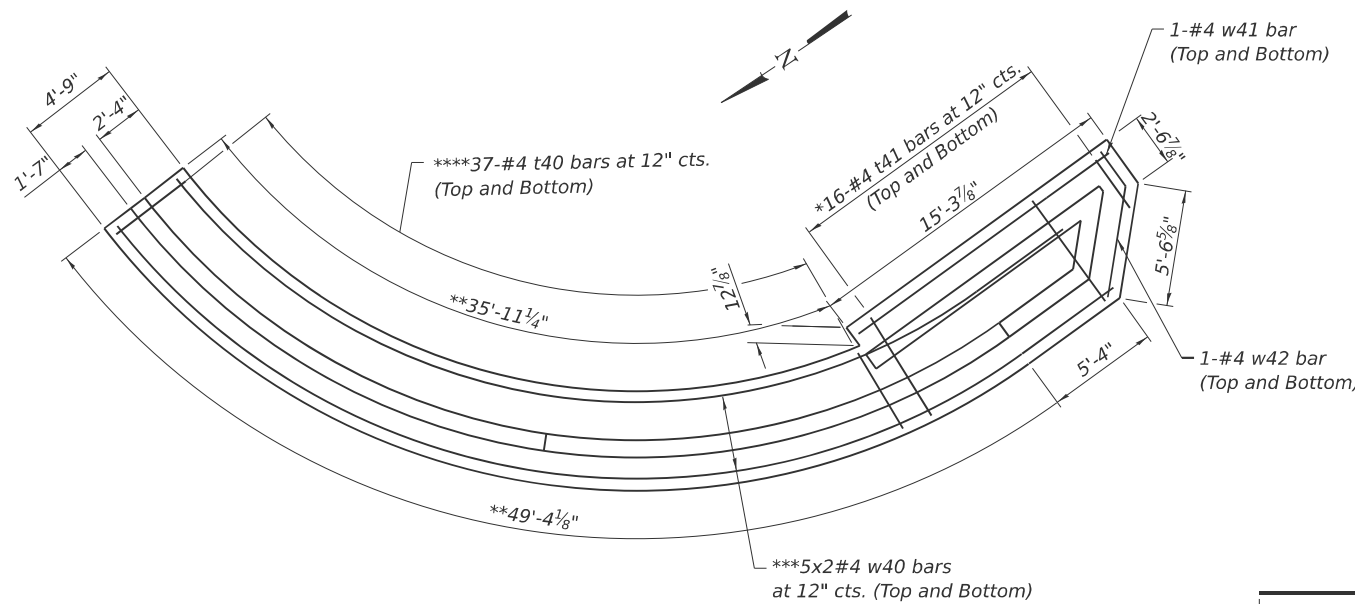


**CONSTRUCTION JOINT**

Note:  
Maximum applied service bearing pressure  $Q_{max} = 1,770$  psf.



**SECTION THRU WALL**

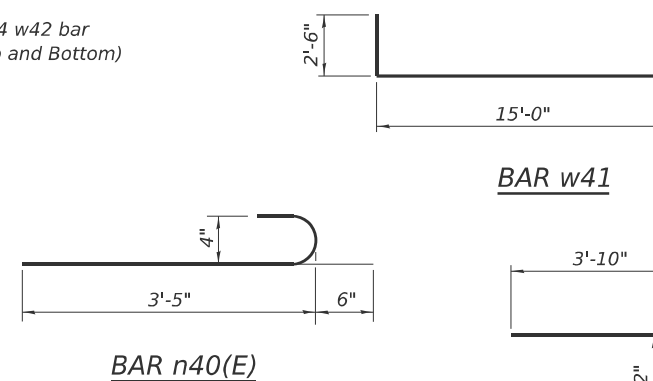


**WALL 5 FOOTING PLAN**

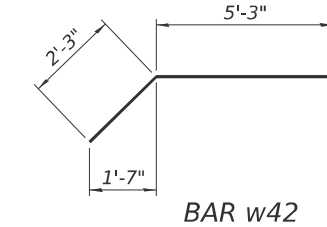
\*Cut to fit  
\*\*Measured along face of footing  
\*\*\*Bend bars along the curve as needed  
\*\*\*\*Placed radially

**BAR LIST**

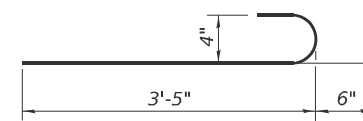
Bar	No.	Size	Length	Shape
h40	12	#4	15'-11"	
h41	12	#4	8'-4"	
h42	22	#4	25'-9"	
n40(E)	89	#4	3'-11"	
t40	74	#4	4'-6"	
t41	32	#4	6'-3"	
v40	91	#4	7'-2"	
v41	47	#4	6'-9"	
w40	20	#4	28'-6"	
w41	2	#4	17'-6"	
w42	2	#4	7'-6"	



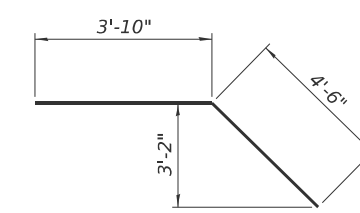
**BAR w41**



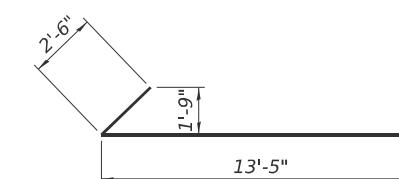
**BAR w42**



**BAR n40(E)**



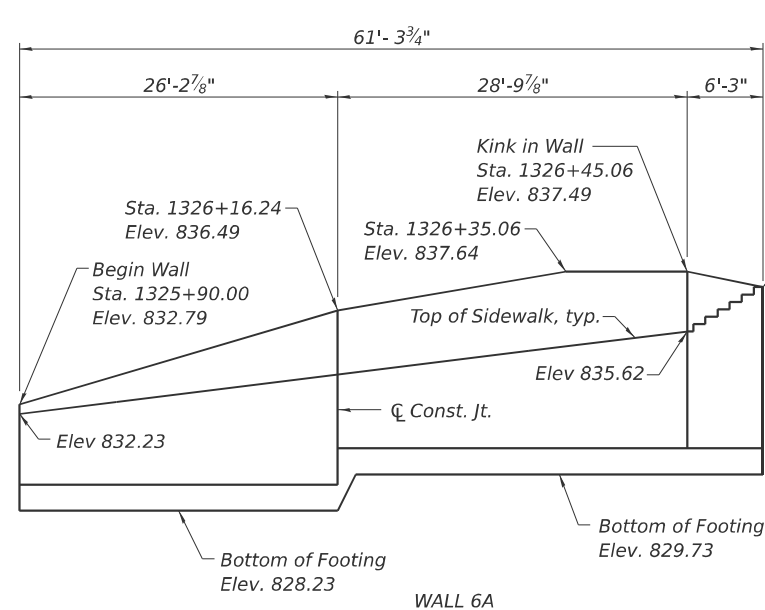
**BAR h41**



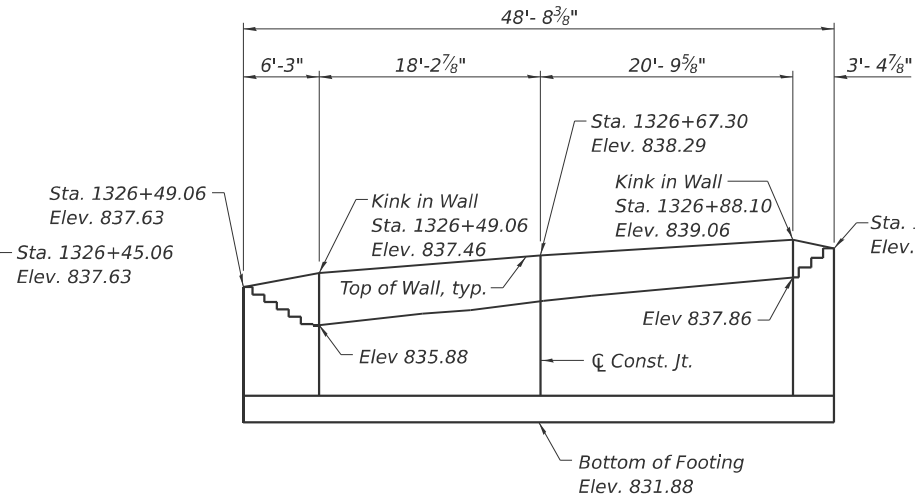
**BAR h40**

**MIN. BAR LAP**  
#4 bar = 2'-3"

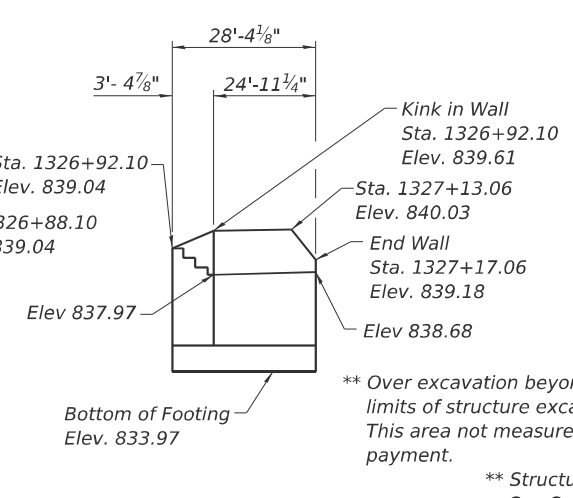
MODEL - Bridge Sheet  
FILE NAME: \\192.168.0.53\injobs\2004\struct\cadd (ORD)\CADD\_Sheets\64L94-RV05-02-Details.dgn



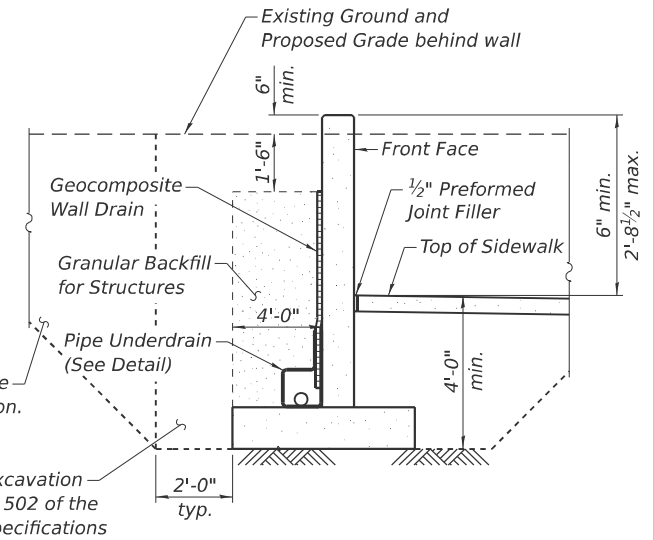
WALL 6A



WALL 6B



WALL 6C

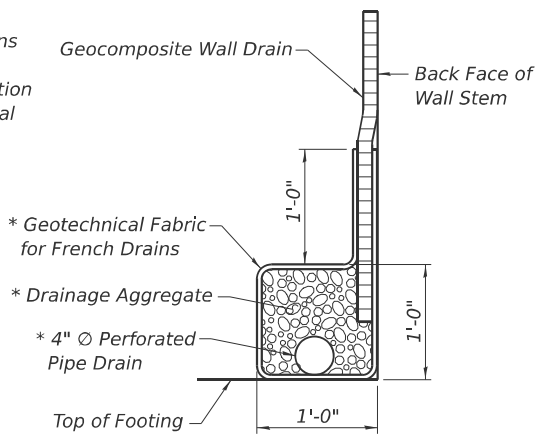


TYPICAL SECTION THRU WALL NO. 6

**ELEVATION**  
(Looking at Front Face of Wall)

**Notes:**  
Horizontal dimensions measured along front face of wall unfolded, looking at front face of wall.  
All offsets measured to front face of retaining wall.

\* Included in the cost of "Pipe Underdrains for Structures".  
\*\* Backfill remainder of structure excavation and over excavation with same material specified for roadway embankment.



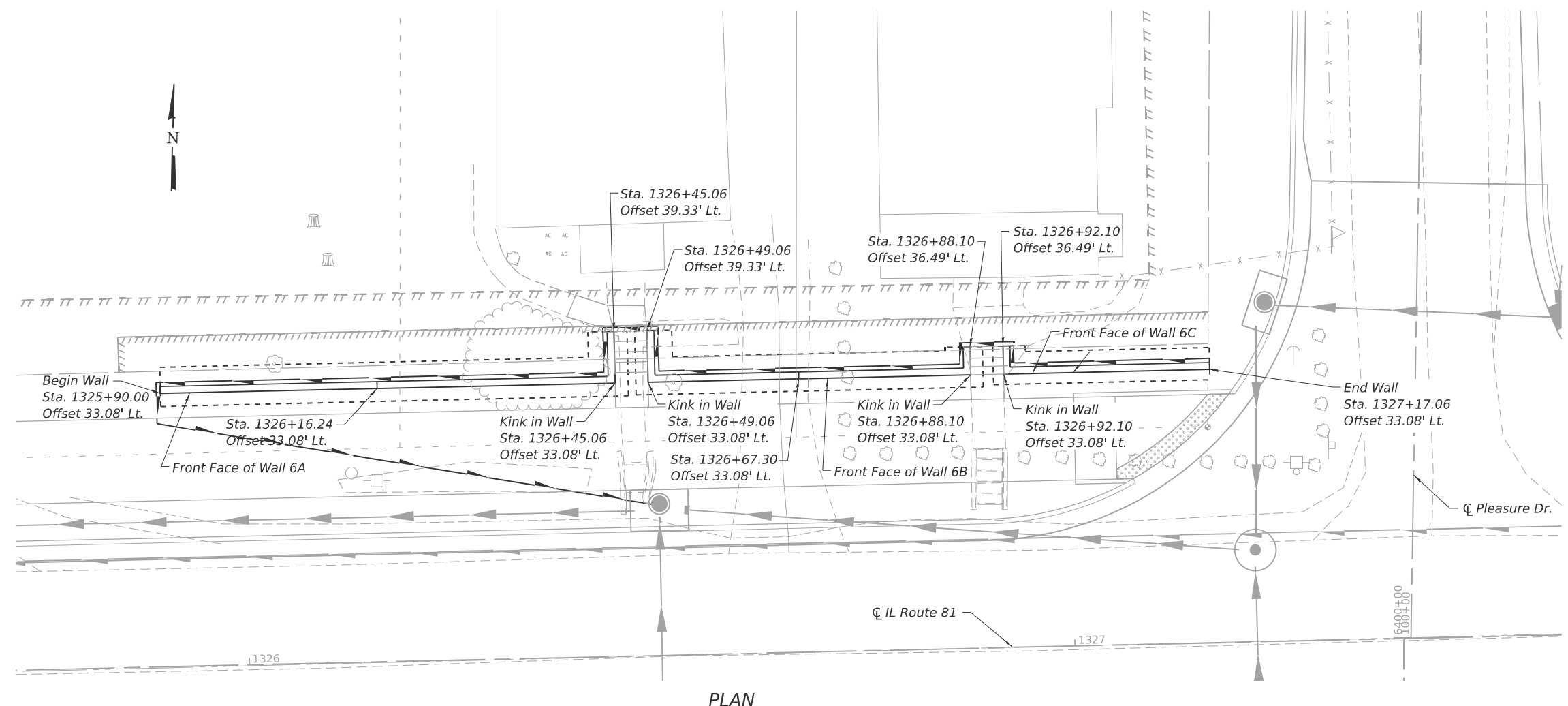
PIPE UNDERDRAIN DETAIL

**DESIGN SPECIFICATIONS**  
2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

**DESIGN STRESSES**  
FIELD UNITS  
f'c = 3,500 psi  
fy = 60,000 psi (Reinforcement)

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Structure Excavation	Cu. Yd.	195
Reinforcement Bars	Pound	3,760
Reinforcement Bars, Epoxy Coated	Pound	420
Concrete Structures (Retaining Wall)	Cu. Yd.	48.8
Granular Backfill for Structures	Cu. Yd.	79
Geocomposite Wall Drain	Sq. Yd.	59
Pipe Underdrains for Structures 4"	Foot	210



PLAN

MODEL - Bridge Sheet  
FILE NAME: \\192.168.0.53\jripes\2004\struct\cadd (ORD)\CADD\_Sheets\64L94-RV05-01-GPE.dgn

**LIN ENGINEERING, LTD.**  
Consulting Engineers  
Springfield, Illinois

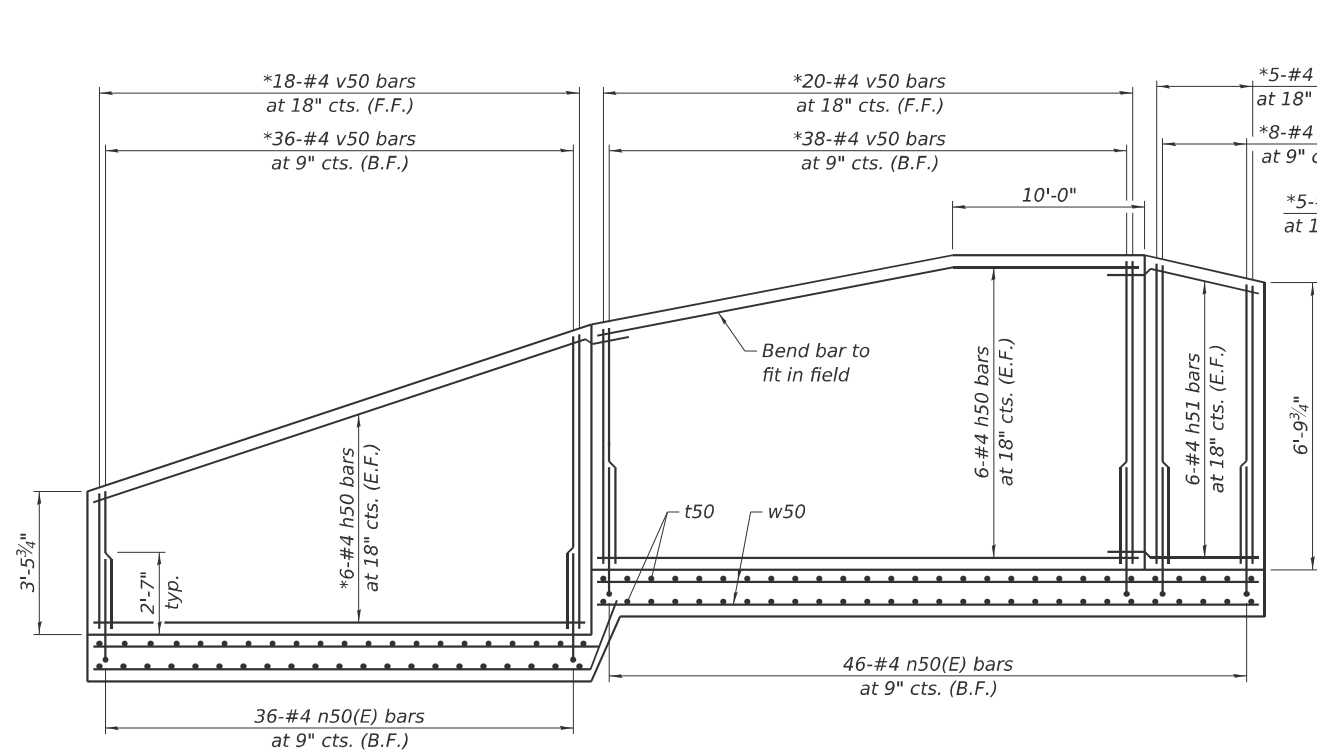
USER NAME = LIN16-PC	DESIGNED - CL	REVISED -
	DRAWN - SJH	REVISED -
	CHECKED - CZ	REVISED -
PLOT DATE = 3/20/2026	DATE = 01/03/2025	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

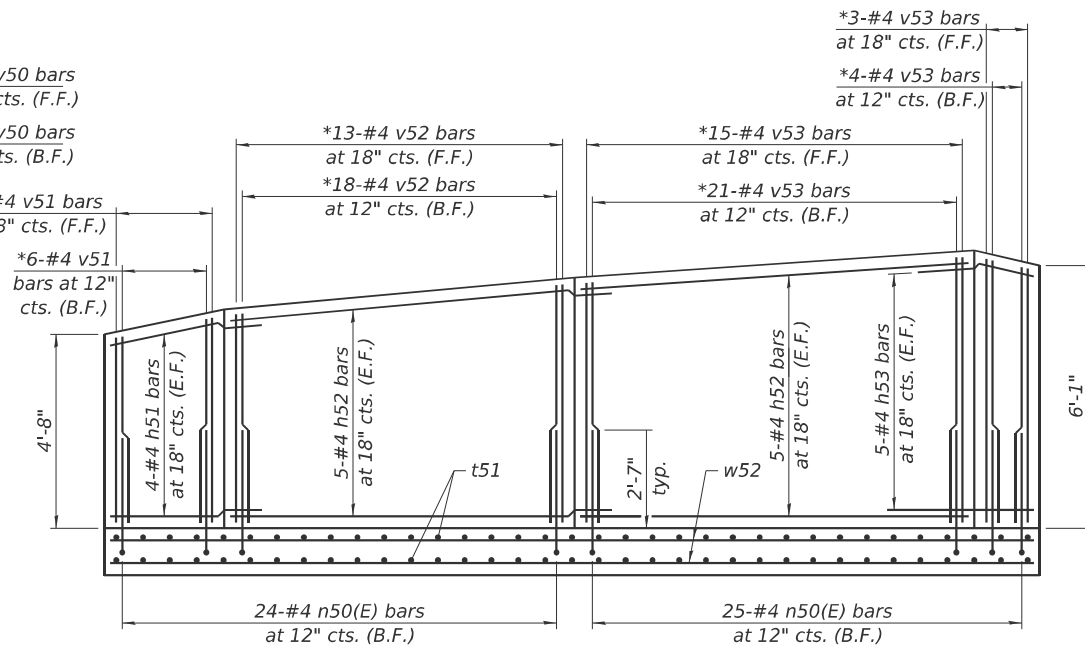
**RETAINING WALL NO. 6**  
**GENERAL PLAN AND ELEVATION**

SHEET 1 OF 3 SHEETS

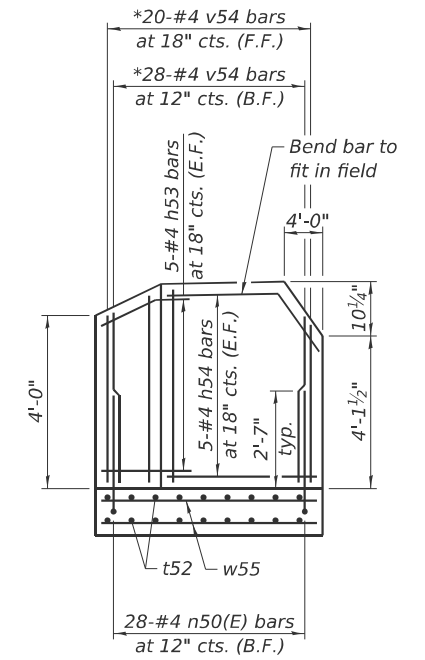
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	316
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				



**WALL 6A REINFORCEMENT**



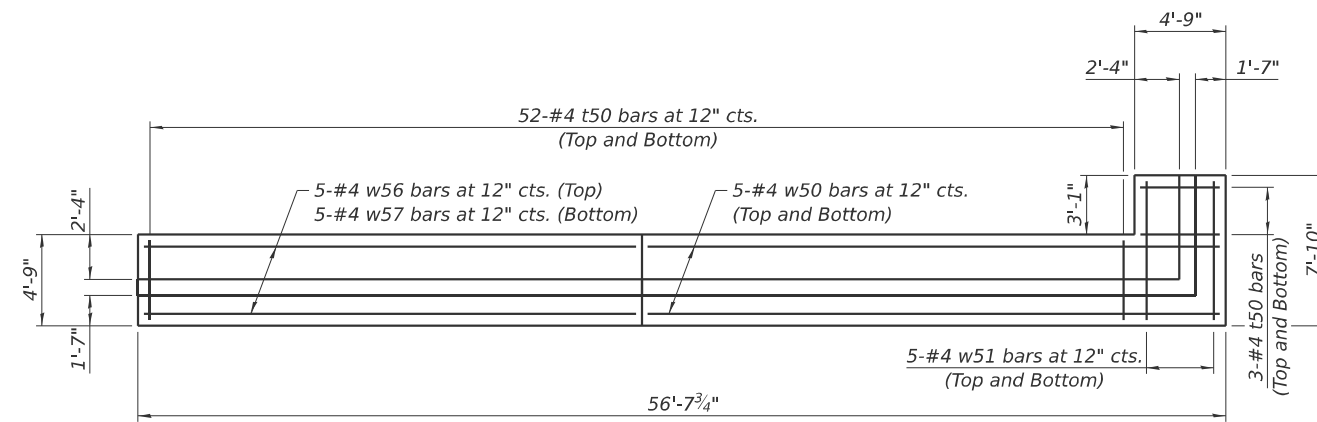
**WALL 6B REINFORCEMENT**



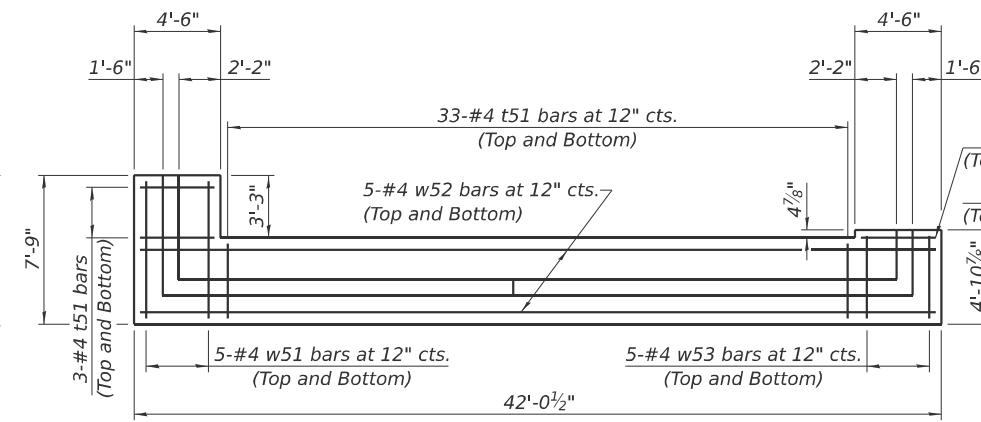
**WALL 6C REINFORCEMENT**

**MIN. BAR LAP**  
#4 bar = 2'-3"

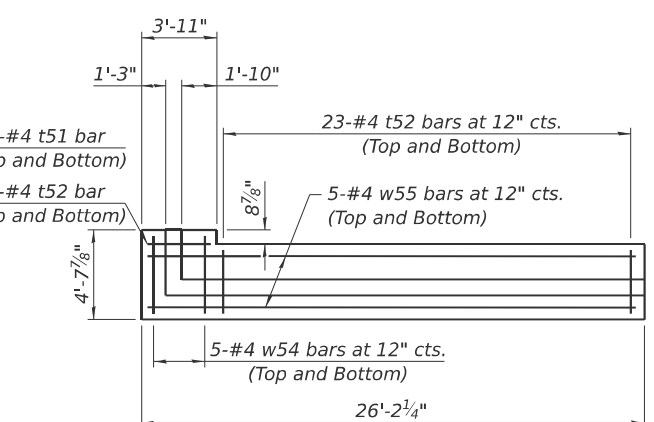
\*Cut to fit



**WALL 6A FOOTING PLAN**



**WALL 6B FOOTING PLAN**



**WALL 6C FOOTING PLAN**



MODEL - Bridge Sheet  
FILE NAME: \\192.168.0.53\injobs\2004\struct\cadd (ORD)\CADD\_Sheets\64L94-RV05-02-Details.dgn

**LIN ENGINEERING, LTD.**  
Consulting Engineers  
Springfield, Illinois

USER NAME = LIN16-PC	DESIGNED - CL	REVISED -
	DRAWN - TJR	REVISED -
	CHECKED - CZ	REVISED -
PLOT DATE = 3/19/2026	DATE - 01/03/2025	REVISED -

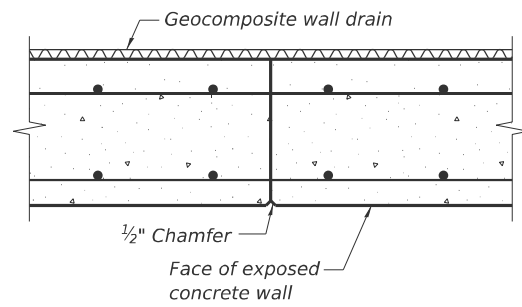
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

(Sheet 1 of 2)

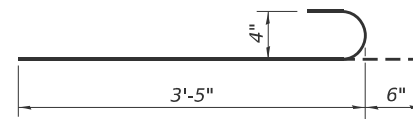
**RETAINING WALL NO. 6**  
**RETAINING WALL DETAILS**

SHEET 2 OF 3 SHEETS

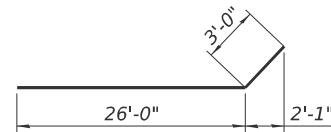
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	317
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				



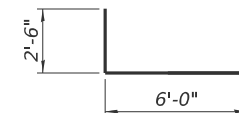
**CONSTRUCTION JOINT**



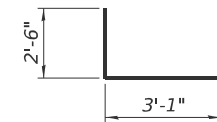
**BAR n50(E)**



**BAR w57**



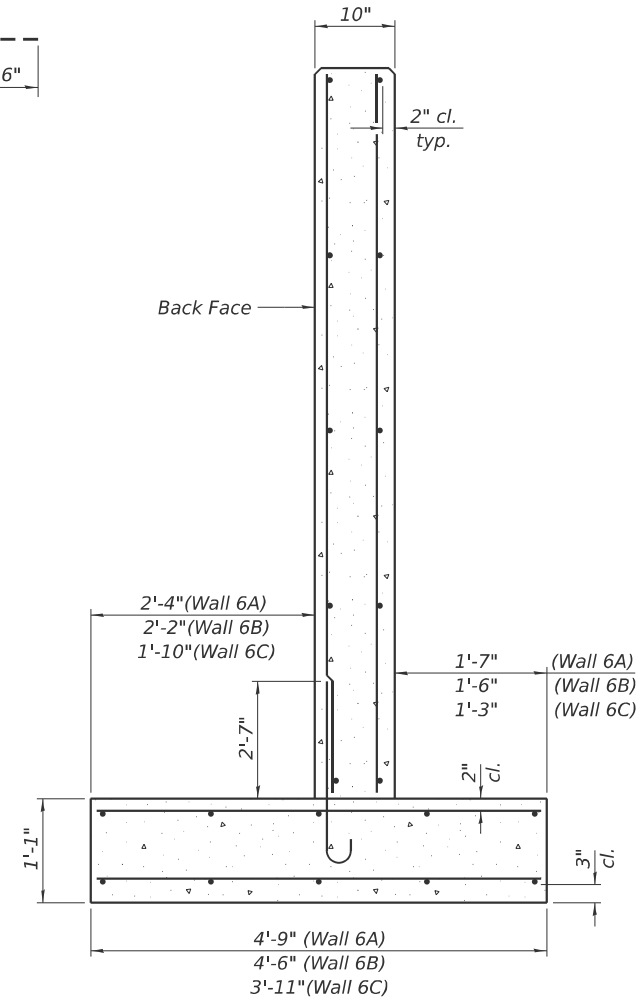
**BAR h51**



**BAR h53**

**BAR LIST**

Bar	No.	Size	Length	Shape
h50	24	#4	28'-6"	—
h51	20	#4	8'-6"	L
h52	20	#4	20'-6"	—
h53	20	#4	5'-7"	L
h54	10	#4	24'-8"	—
n50(E)	159	#4	3'-11"	C
t50	110	#4	4'-6"	—
t51	74	#4	4'-3"	—
t52	48	#4	3'-8"	—
v50	125	#4	6'-10"	—
v51	11	#4	4'-4"	—
v52	31	#4	5'-0"	—
v53	43	#4	5'-9"	—
v54	48	#4	4'-8"	—
w50	10	#4	30'-1"	—
w51	20	#4	7'-6"	—
w52	10	#4	41'-9"	—
w53	10	#4	4'-7"	—
w54	10	#4	4'-4"	—
w55	10	#4	25'-11"	—
w56	5	#4	26'-0"	—
w57	5	#4	29'-0"	—



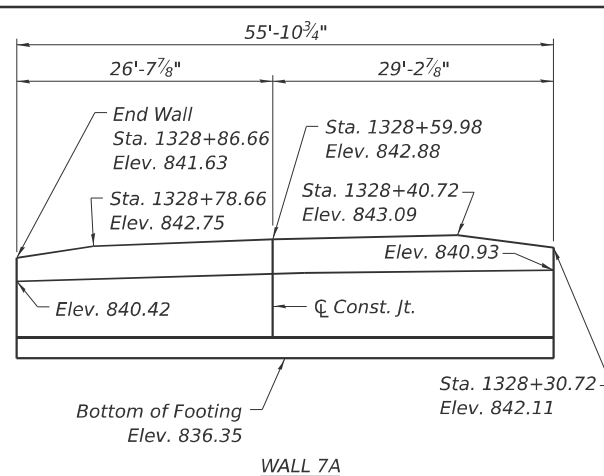
**SECTION THRU WALL**

Note:  
Maximum applied service bearing pressure  $Q_{max} = 1,770$  psf.

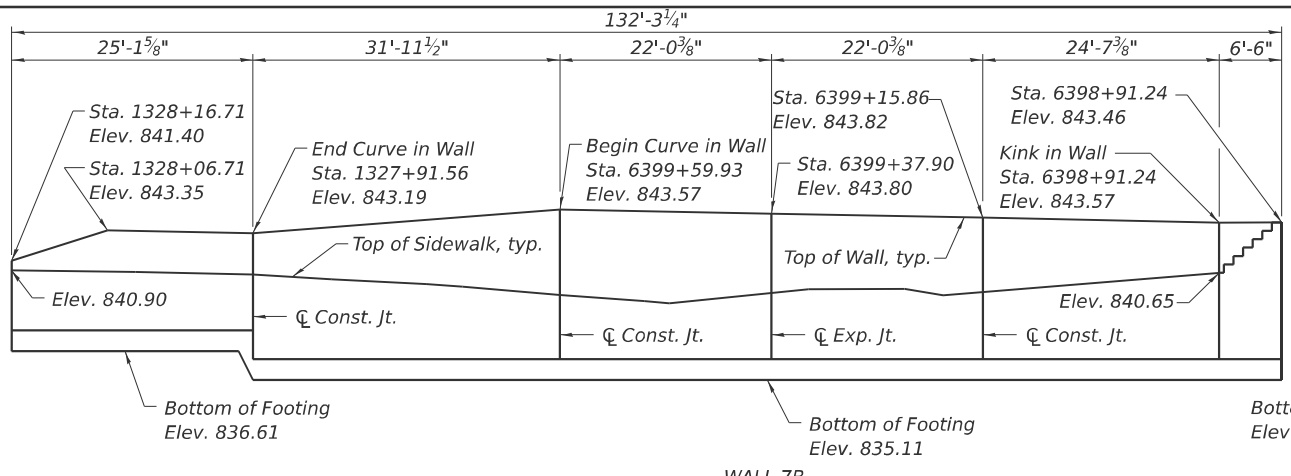
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FILE NAME: E:\2024\struct\CADD (ORD)\CADD\_Sheets\64L94-RV06-03-Details.dgn

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PLOT SCALE = \$SCALE\$	DRAWN - TJR	REVISED -
PLOT DATE = 1/24/2026	CHECKED - CZ	REVISED -
	CHECKED DATE - 01/03/2025	REVISED -

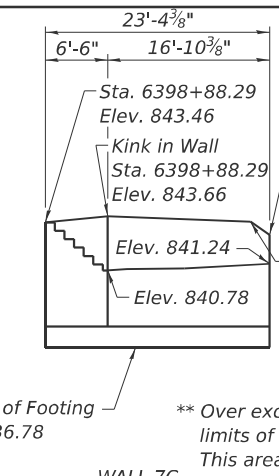
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	318
CONTRACT NO. 64L94				



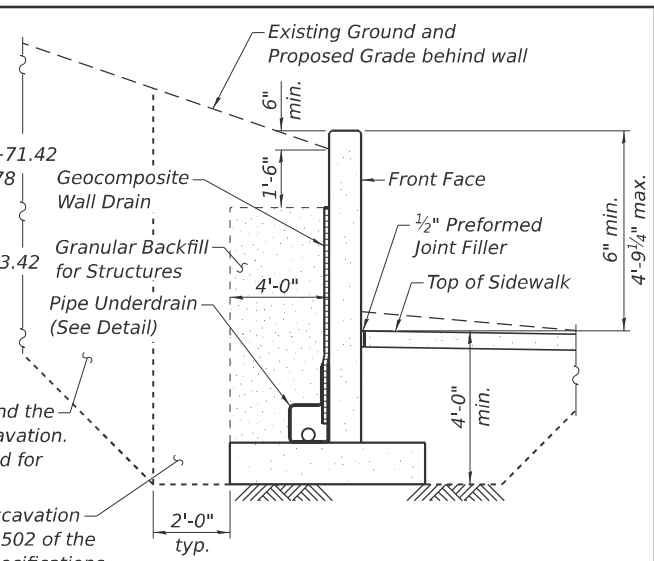
**WALL 7A**



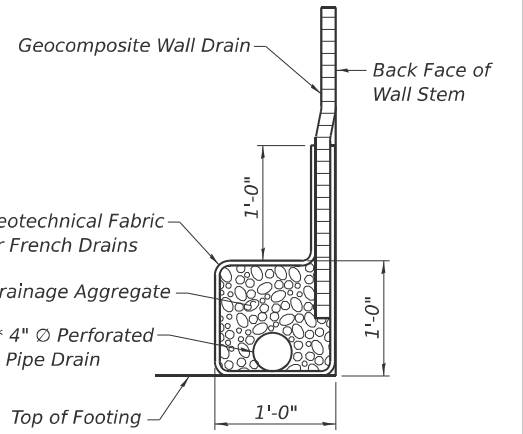
**WALL 7B**



**WALL 7C**



**TYPICAL SECTION THRU WALL NO. 7**



**PIPE UNDERDRAIN DETAIL**

**DESIGN SPECIFICATIONS**  
2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

**DESIGN STRESSES**  
**FIELD UNITS**  
f'c = 3,500 psi  
fy = 60,000 psi (Reinforcement)

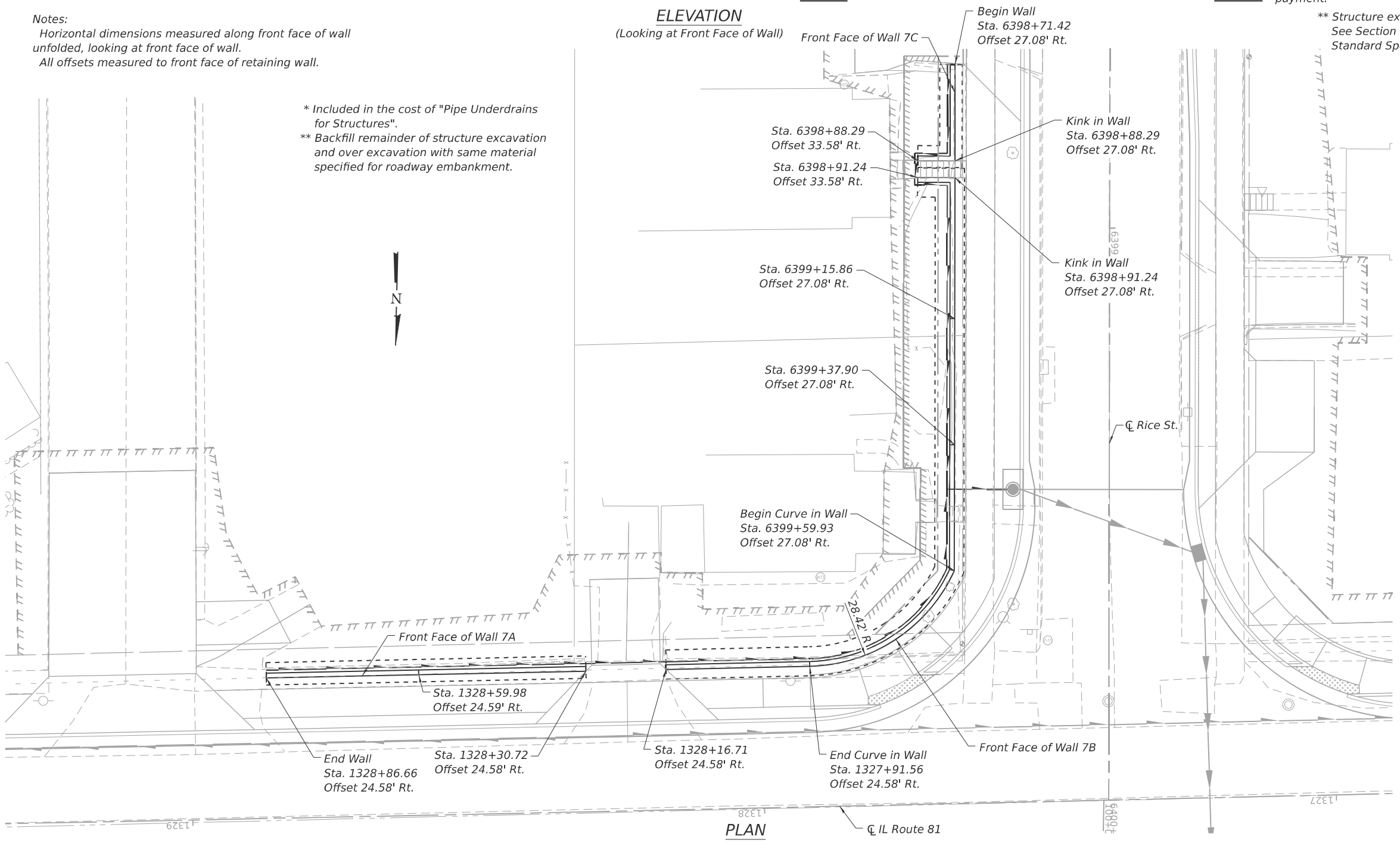
**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Structure Excavation	Cu. Yd.	332
Reinforcement Bars	Pound	6,100
Reinforcement Bars, Epoxy Coated	Pound	710
Concrete Structures (Retaining Wall)	Cu. Yd.	80.0
Granular Backfill for Structures	Cu. Yd.	138
Geocomposite Wall Drain	Sq. Yd.	104
Pipe Underdrains for Structures 4"	Foot	236

**Notes:**  
Horizontal dimensions measured along front face of wall unfolded, looking at front face of wall.  
All offsets measured to front face of retaining wall.

\* Included in the cost of "Pipe Underdrains for Structures".  
\*\* Backfill remainder of structure excavation and over excavation with same material specified for roadway embankment.

**ELEVATION**  
(Looking at Front Face of Wall)



**PLAN**

MODEL: Bridge Sheet  
FILE NAME: \\192.168.0.53\projects\2004\struct\cadd (ORD)\CADD\_Sheets\64L94-RV07-01-GPE.dgn

**LIN ENGINEERING, LTD.**  
Consulting Engineers  
Springfield, Illinois

USER NAME = LIN16-PC	DESIGNED - CL	REVISED -
	DRAWN - SJH	REVISED -
	CHECKED - CZ	REVISED -
PLOT DATE = 3/20/2026	DATE - 01/03/2025	REVISED -

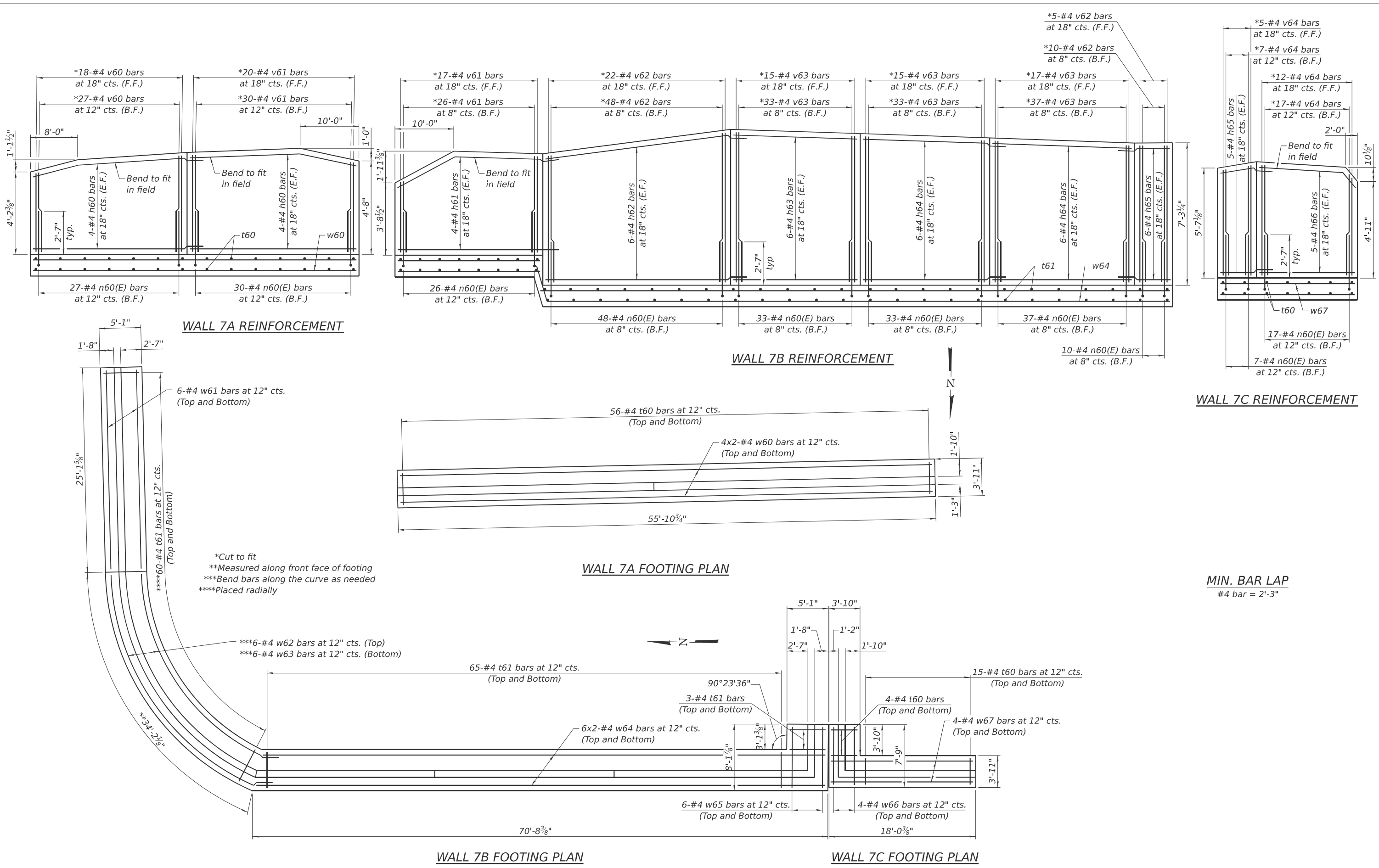
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**RETAINING WALL NO. 7**  
**GENERAL PLAN AND ELEVATION**

SHEET 1 OF 3 SHEETS

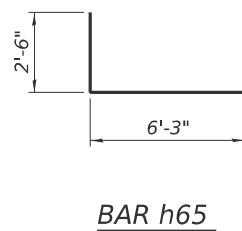
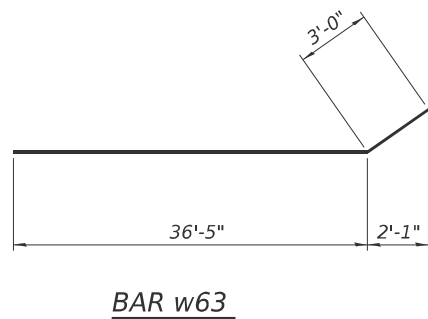
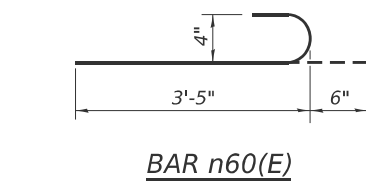
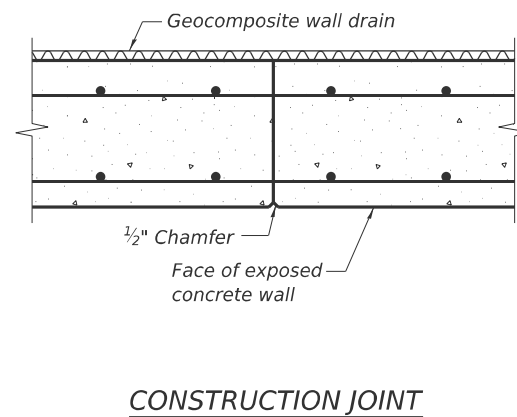
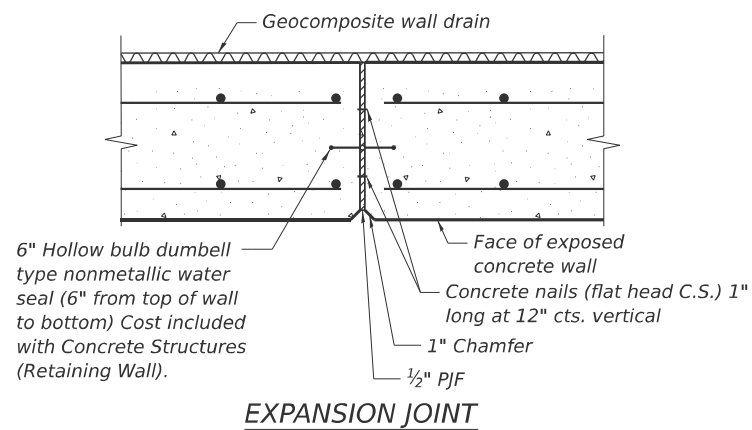
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	319
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				

MODEL - Bridge Sheet  
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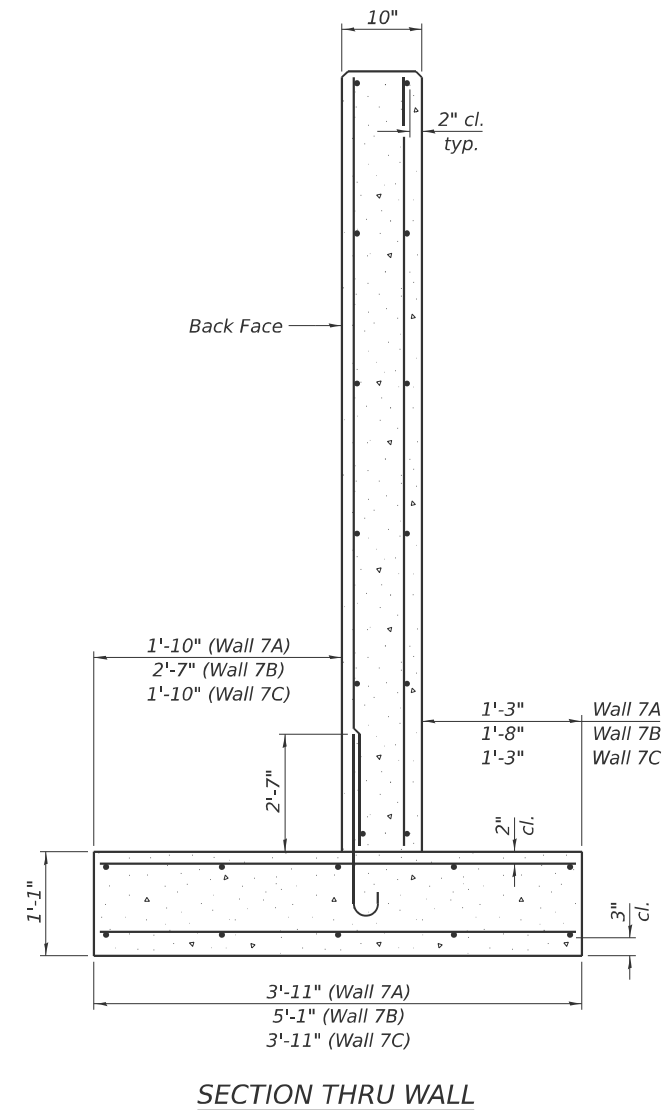
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	DRAWN - TJR	REVISED -
	CHECKED - CZ	REVISED -
PLOT DATE = 3/19/2026	DATE - 01/03/2025	REVISED -

F.A.P. RTE. 611	SECTION 104R	COUNTY HENRY	TOTAL SHEETS 426	SHEET NO. 320
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				



**BAR LIST**

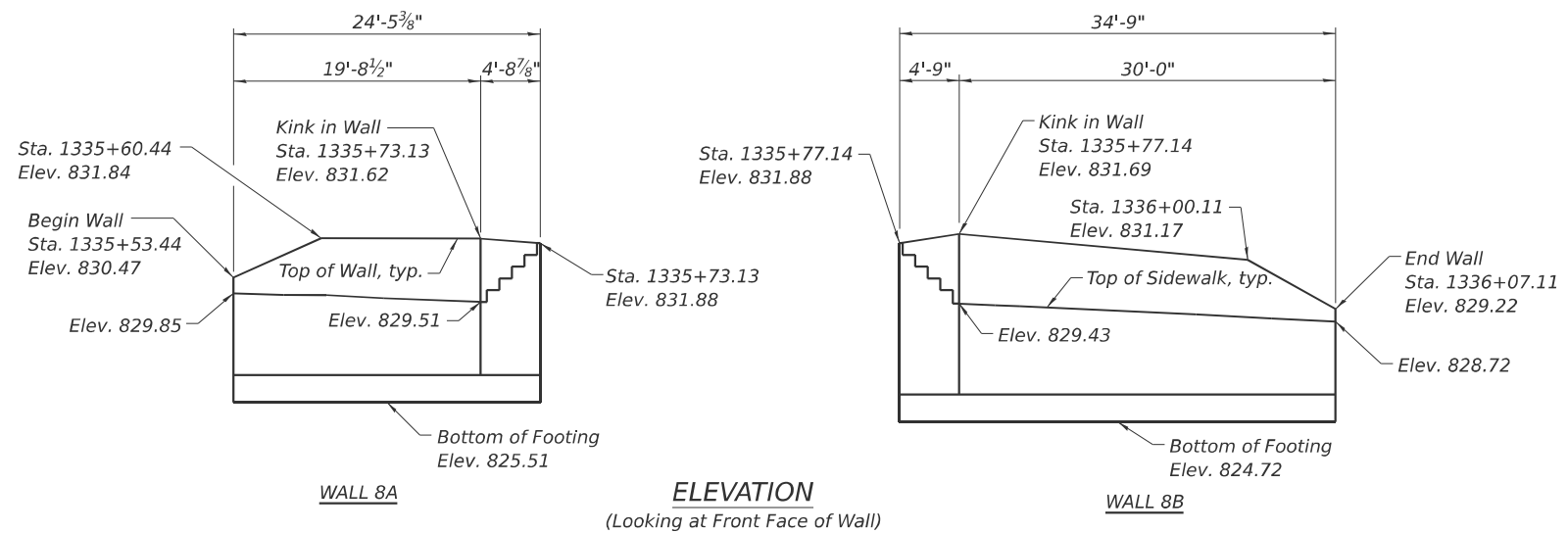
Bar	No.	Size	Length	Shape
h60	16	#4	28'-11"	—
h61	8	#4	27'-5"	—
h62	12	#4	34'-3"	—
h63	12	#4	21'-9"	—
h64	24	#4	24'-4"	—
h65	22	#4	8'-9"	┌
h66	10	#4	16'-7"	—
n60(E)	268	#4	3'-11"	┌
t60	150	#4	3'-8"	—
t61	256	#4	4'-10"	—
v60	45	#4	5'-2"	—
v61	93	#4	5'-4"	—
v62	85	#4	7'-1"	—
v63	150	#4	7'-4"	—
v64	41	#4	5'-6"	—
w60	16	#4	29'-0"	—
w61	12	#4	24'-10"	—
w62	6	#4	36'-5"	—
w63	6	#4	39'-5"	┌
w64	24	#4	36'-6"	—
w65	12	#4	7'-10"	—
w66	8	#4	7'-6"	—
w67	8	#4	17'-9"	—



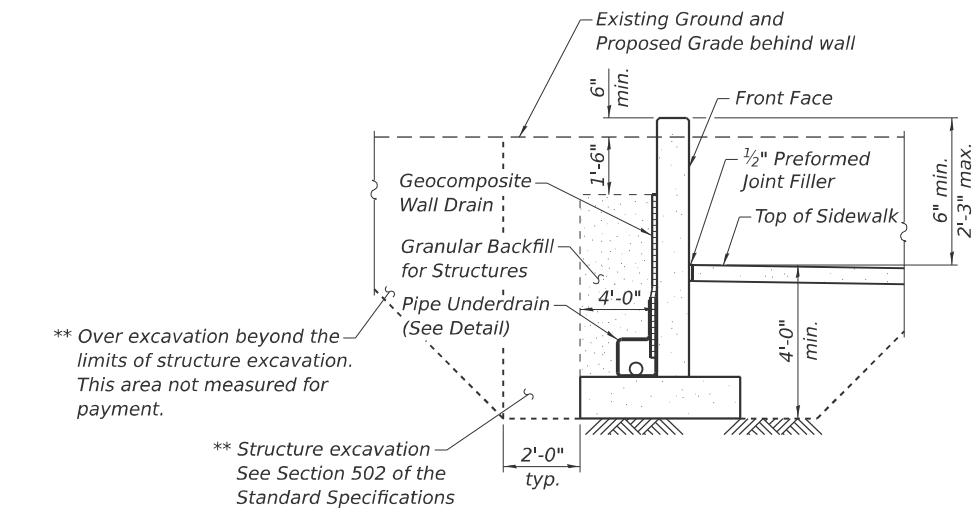
Note:  
Maximum applied service bearing pressure  $Q_{max} = 1,810$  psf.

(Sheet 2 of 2)

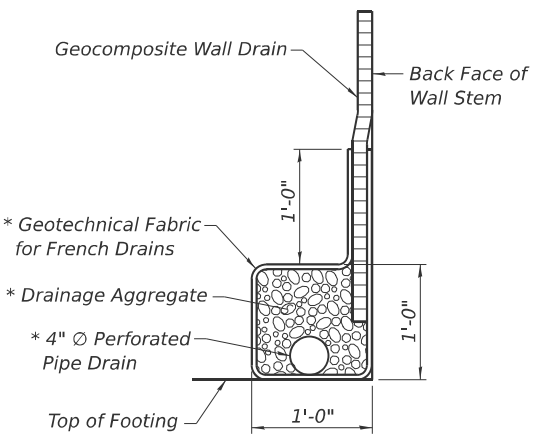
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FILE NAME: E:\2024\Struct\CADD (ORD)\CADD\_Sheets\64L94-RV07-03-Details.dgn



Notes:  
Horizontal dimensions measured along front face of wall unfolded, looking at front face of wall.  
All offsets measured to front face of retaining wall.



\* Included in the cost of "Pipe Underdrains for Structures".  
\*\* Backfill remainder of structure excavation and over excavation with same material specified for roadway embankment.

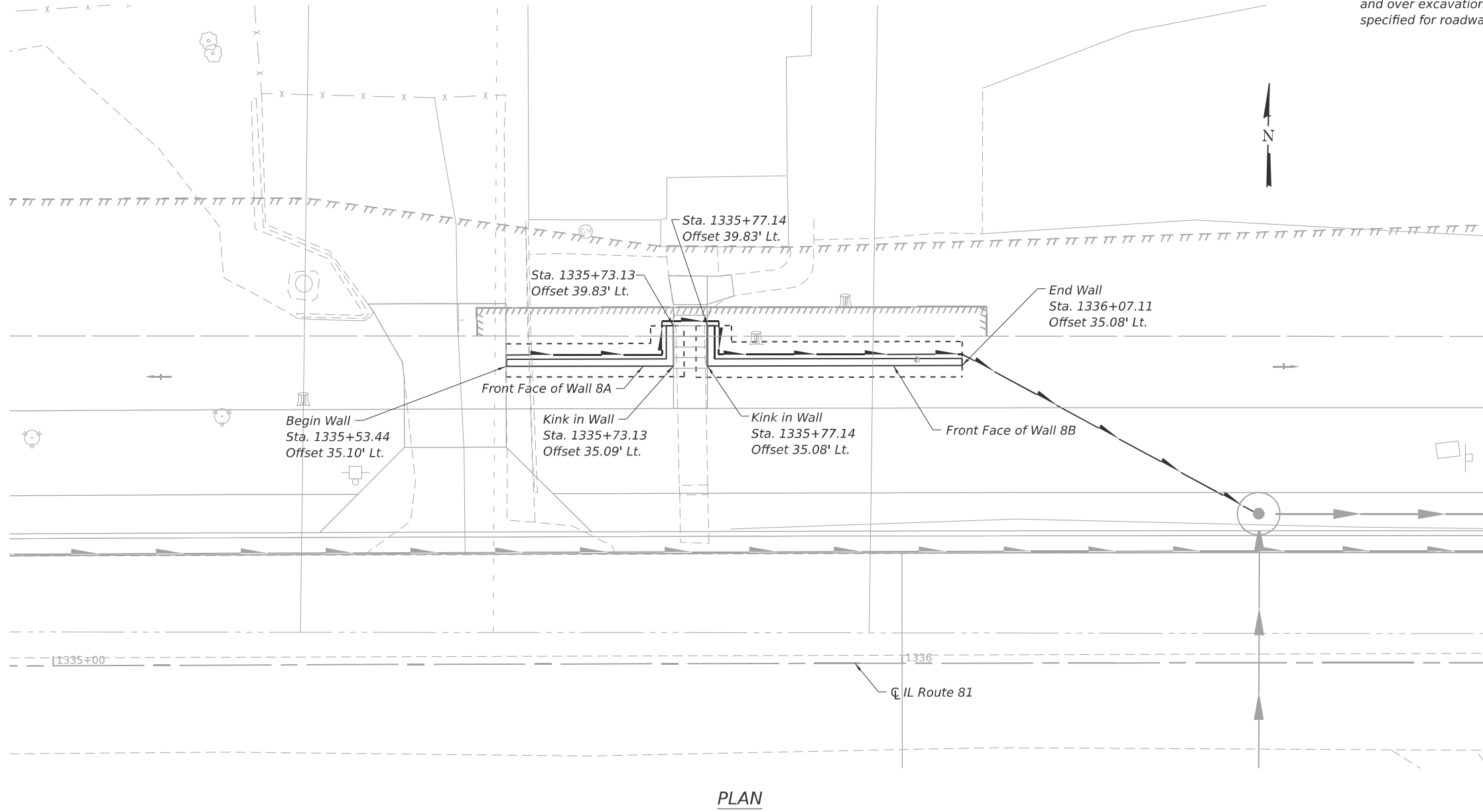


**DESIGN SPECIFICATIONS**  
2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

**DESIGN STRESSES**  
**FIELD UNITS**  
 $f'c = 3,500$  psi  
 $f_y = 60,000$  psi (Reinforcement)

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Structure Excavation	Cu. Yd.	76
Reinforcement Bars	Pound	1,420
Reinforcement Bars, Epoxy Coated	Pound	160
Concrete Structures (Retaining Wall)	Cu. Yd.	19.2
Granular Backfill for Structures	Cu. Yd.	31
Geocomposite Wall Drain	Sq. Yd.	23
Pipe Underdrains for Structures 4"	Foot	101



MODEL: Bridge Sheet  
FILE NAME: \\192.168.0.53\in\ps12004\struct\cadd (ORD)\CADD\_Sheets\64L94-RV09-01-GPE.dgn

**LE** LIN ENGINEERING, LTD.  
Consulting Engineers  
Springfield, Illinois

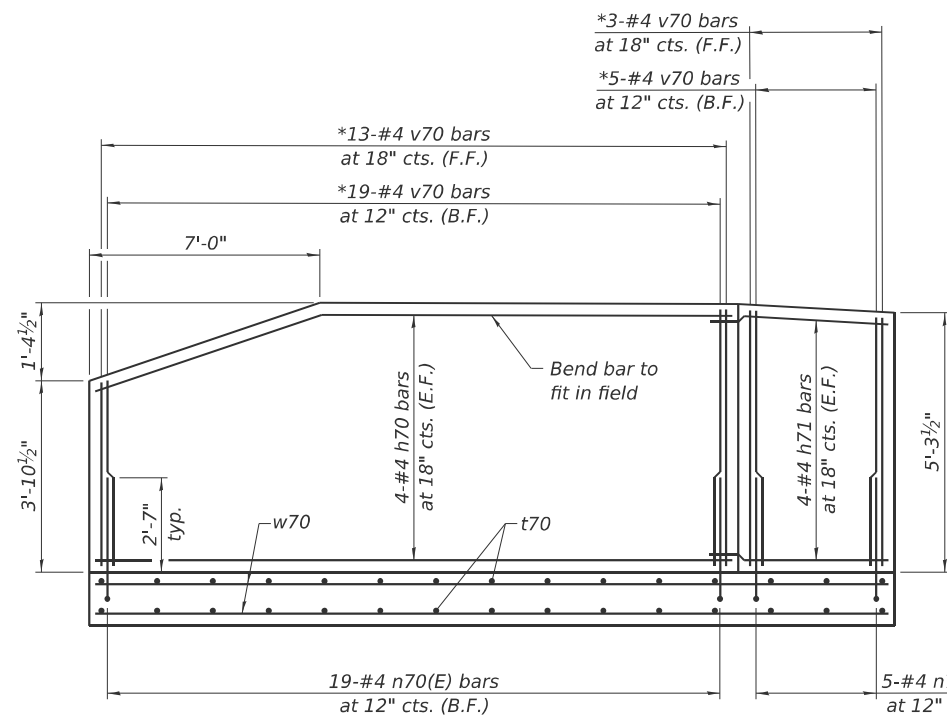
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	DRAWN - SJH	REVISED -
	CHECKED - CZ	REVISED -
PLOT DATE = 3/20/2026	DATE - 01/03/2025	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

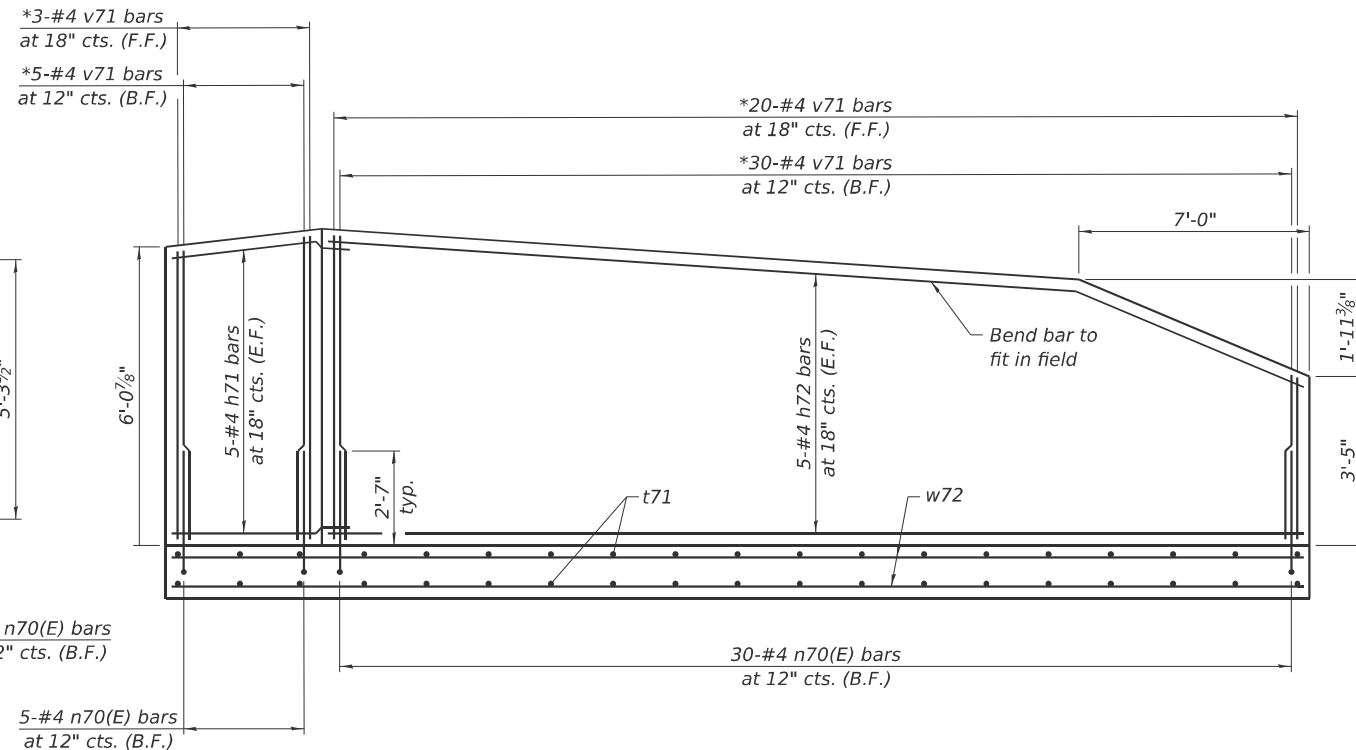
**RETAINING WALL NO. 8**  
**GENERAL PLAN AND ELEVATION**

SHEET 1 OF 2 SHEETS

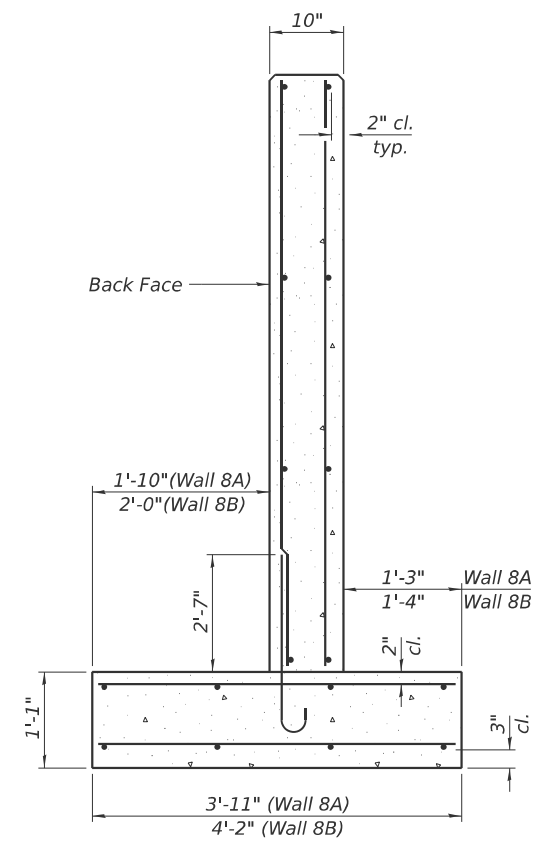
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	322
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				



**WALL 8A REINFORCEMENT**

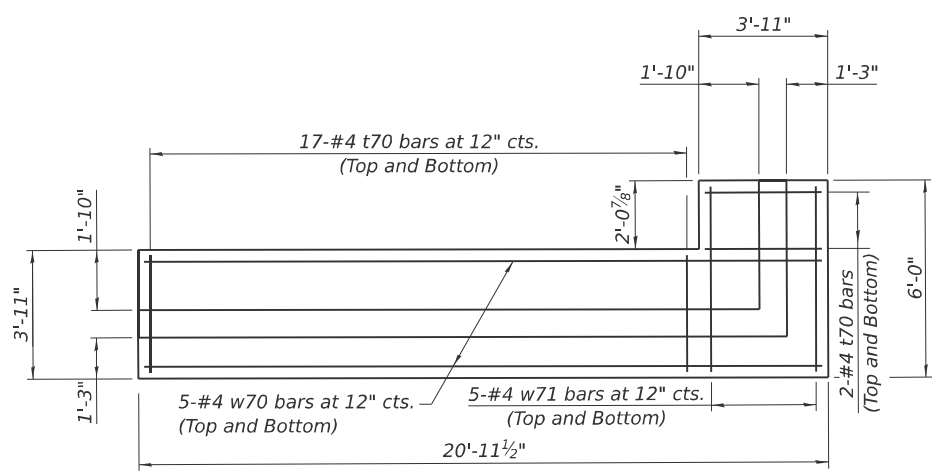


**WALL 8B REINFORCEMENT**

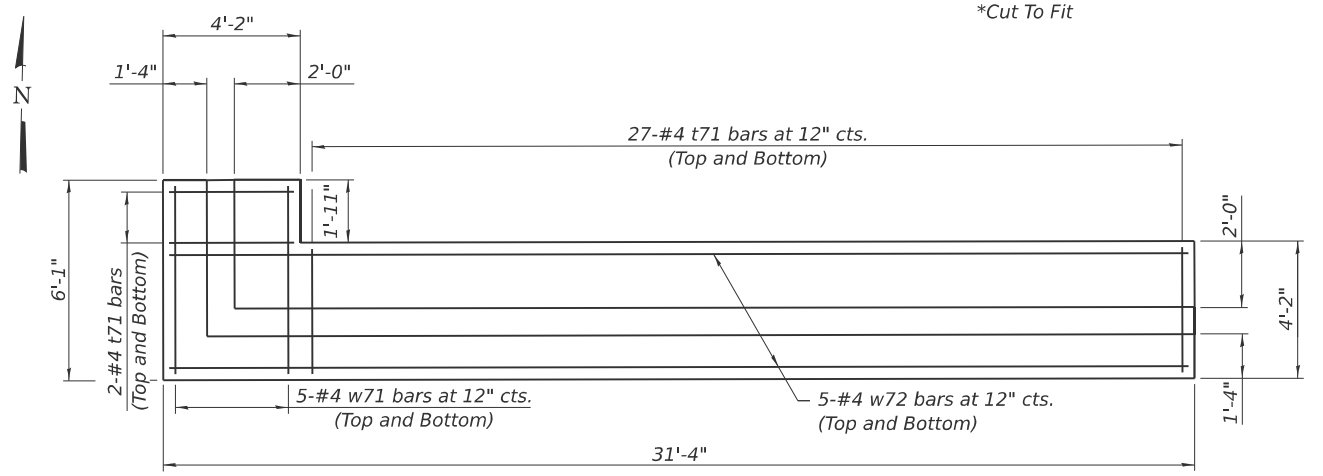


**SECTION THRU WALL**

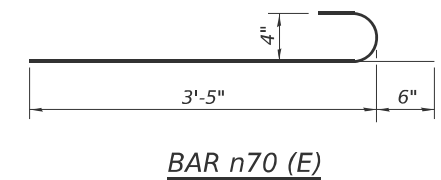
Note:  
Maximum applied service bearing pressure  $Q_{max} = 1,650$  psf.



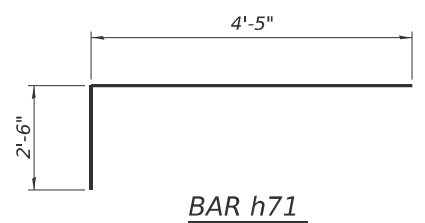
**WALL 8A FOOTING PLAN**



**WALL 8B FOOTING PLAN**



**BAR n70 (E)**



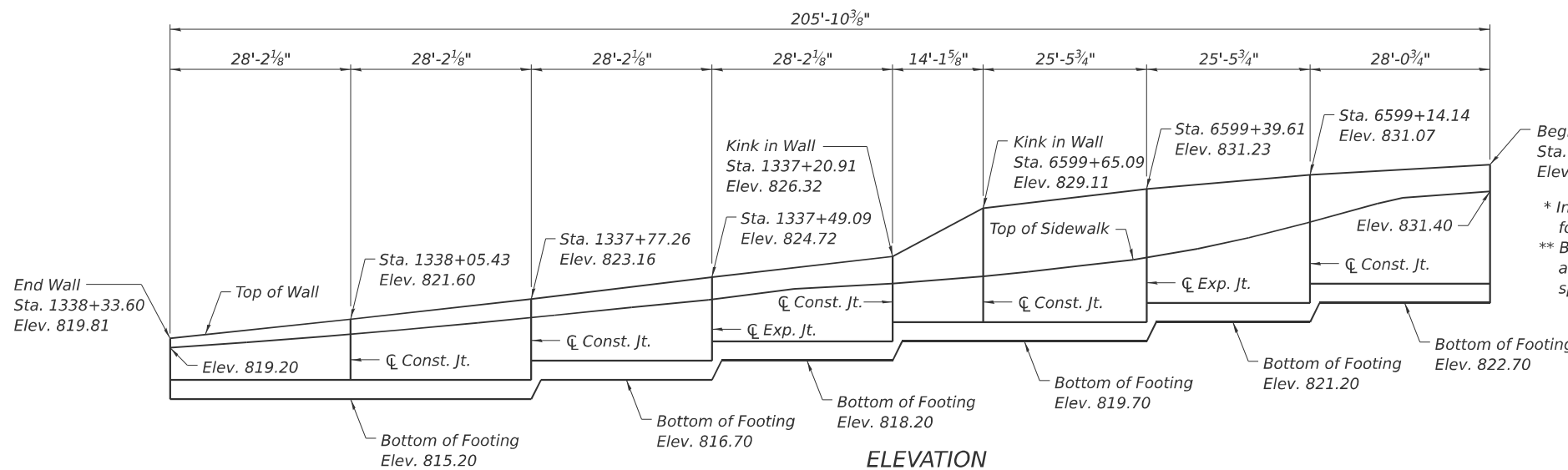
**BAR h71**

**MIN. BAR LAP**  
#4 bar = 2'-3"

**BAR LIST**

Bar	No.	Size	Length	Shape
h70	8	#4	19'-5"	—
h71	18	#4	6'-11"	—
h72	10	#4	29'-9"	—
n70(E)	59	#4	3'-11"	—
t70	38	#4	3'-8"	—
t71	58	#4	3'-11"	—
v70	40	#4	5'-0"	—
v71	58	#4	5'-10"	—
w70	10	#4	20'-8"	—
w71	20	#4	5'-9"	—
w72	10	#4	31'-1"	—

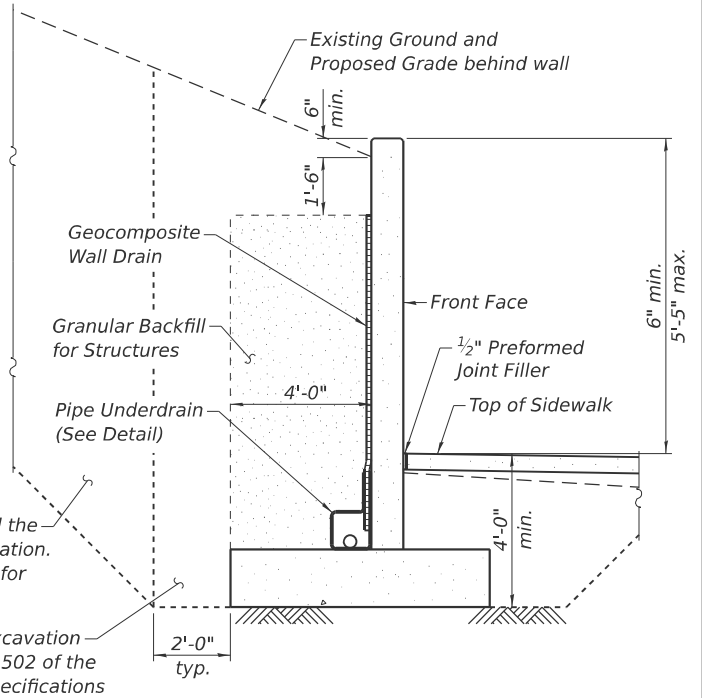
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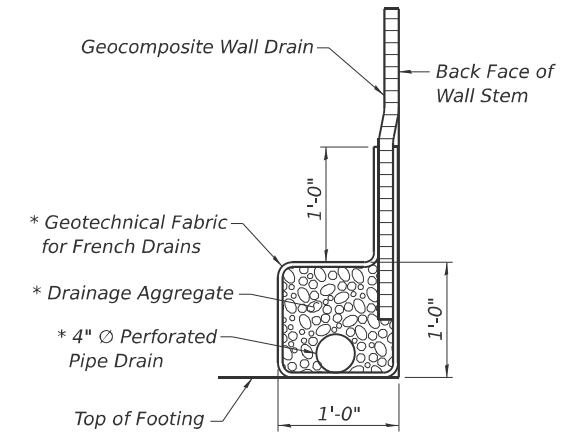
\* Included in the cost of "Pipe Underdrains for Structures".  
 \*\* Backfill remainder of structure excavation and over excavation with same material specified for roadway embankment.

\*\* Over excavation beyond the limits of structure excavation. This area not measured for payment.

\*\* Structure excavation See Section 502 of the Standard Specifications



TYPICAL SECTION THRU WALL NO. 9



PIPE UNDERDRAIN DETAIL

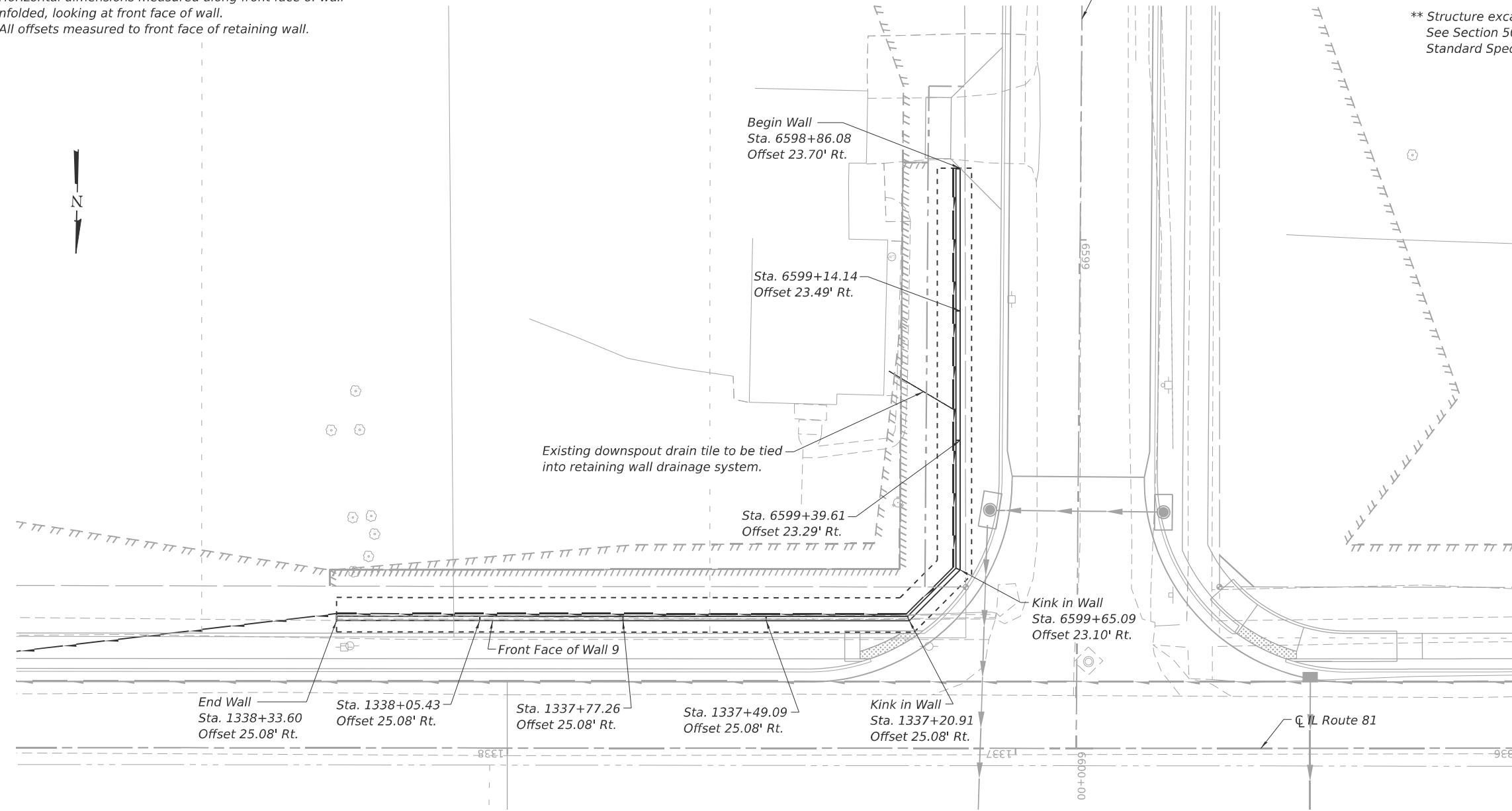
**DESIGN SPECIFICATIONS**  
 2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

**DESIGN STRESSES**  
 FIELD UNITS  
 $f'c = 3,500$  psi  
 $f_y = 60,000$  psi (Reinforcement)

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Structure Excavation	Cu. Yd.	449
Reinforcement Bars	Pound	8,450
Reinforcement Bars, Epoxy Coated	Pound	1,680
Concrete Structures (Retaining Wall)	Cu. Yd.	124.5
Granular Backfill for Structures	Cu. Yd.	166
Geocomposite Wall Drain	Sq. Yd.	125
Pipe Underdrains for Structures 4"	Foot	310

Notes:  
 Horizontal dimensions measured along front face of wall unfolded, looking at front face of wall.  
 All offsets measured to front face of retaining wall.



PLAN

MODEL - Bridge Sheet  
 FILE NAME: \\192.168.0.53\projects\2004\structure\CADD\CADD\_Sheets\64L94-RV09-01-GPE.dgn

**LE** LIN ENGINEERING, LTD.  
 Consulting Engineers  
 Springfield, Illinois

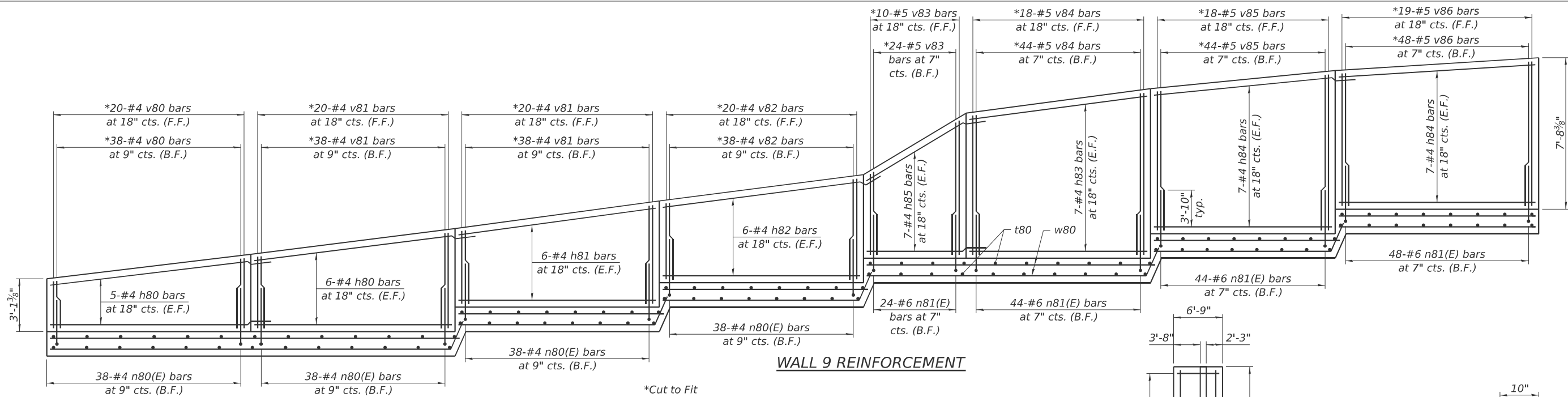
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	DRAWN - SJH	REVISED -
	CHECKED - CZ	REVISED -
PLOT DATE = 3/20/2026	DATE - 01/03/2025	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

RETAINING WALL NO. 9  
 GENERAL PLAN AND ELEVATION

SHEET 1 OF 2 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	324
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				

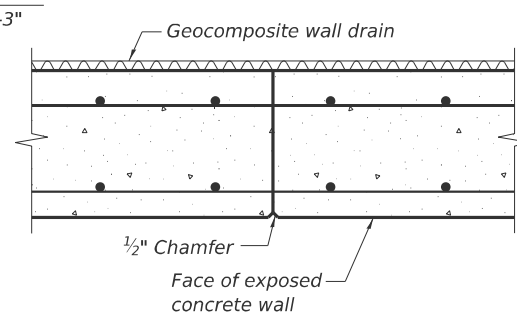
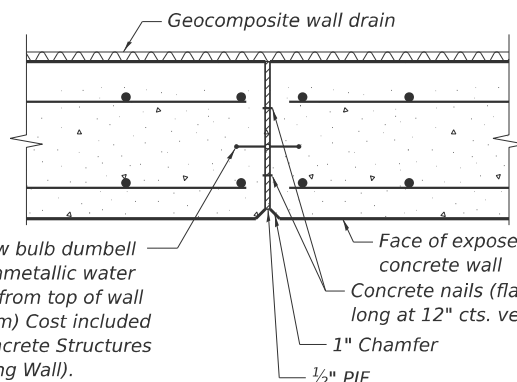


**WALL 9 REINFORCEMENT**

\*Cut to Fit

**MIN. BAR LAP**

#4 bar = 2'-3"



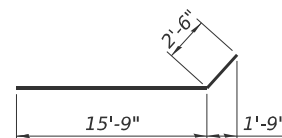
**CONSTRUCTION JOINT**

**BAR LIST**

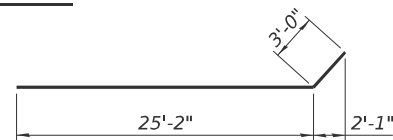
Bar	No.	Size	Length	Shape
h80	22	#4	30'-5"	—
h81	12	#4	27'-11"	—
h82	12	#4	30'-5"	—
h83	14	#4	25'-2"	—
h84	28	#4	27'-9"	—
h85	14	#4	16'-4"	—
n80(E)	152	#4	3'-11"	U
n81(E)	160	#6	5'-4"	U
t80	406	#4	6'-6"	—
v80	58	#4	4'-7"	—
v81	116	#4	6'-2"	—
v82	58	#4	6'-4"	—
v83	34	#5	7'-7"	—
v84	62	#5	9'-8"	—
v85	62	#5	8'-2"	—
v86	67	#5	7'-4"	—
w80	14	#4	30'-5"	—
w81	21	#4	28'-0"	—
w82	21	#4	31'-0"	—
w83	14	#4	18'-3"	—
w84	14	#4	25'-2"	—
w85	14	#4	28'-2"	—
w86	14	#4	27'-9"	—

**EXPANSION JOINT**

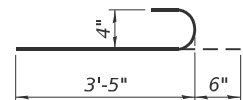
6" Hollow bulb dumbbell type nonmetallic water seal (6" from top of wall to bottom) Cost included with Concrete Structures (Retaining Wall).  
 Face of exposed concrete wall  
 Concrete nails (flat head C.S.) 1" long at 12" cts. vertical  
 1" Chamfer  
 1/2" PJF



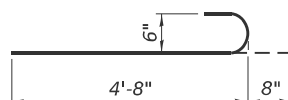
**BAR w83**



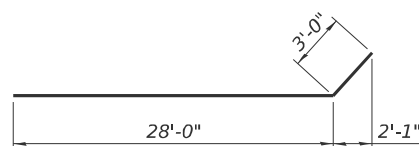
**BAR w85**



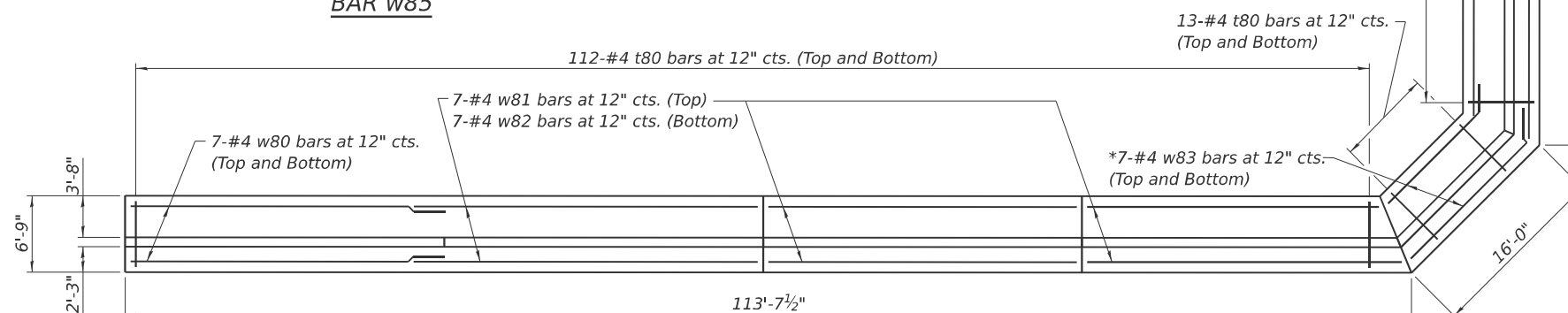
**BAR n80(E)**



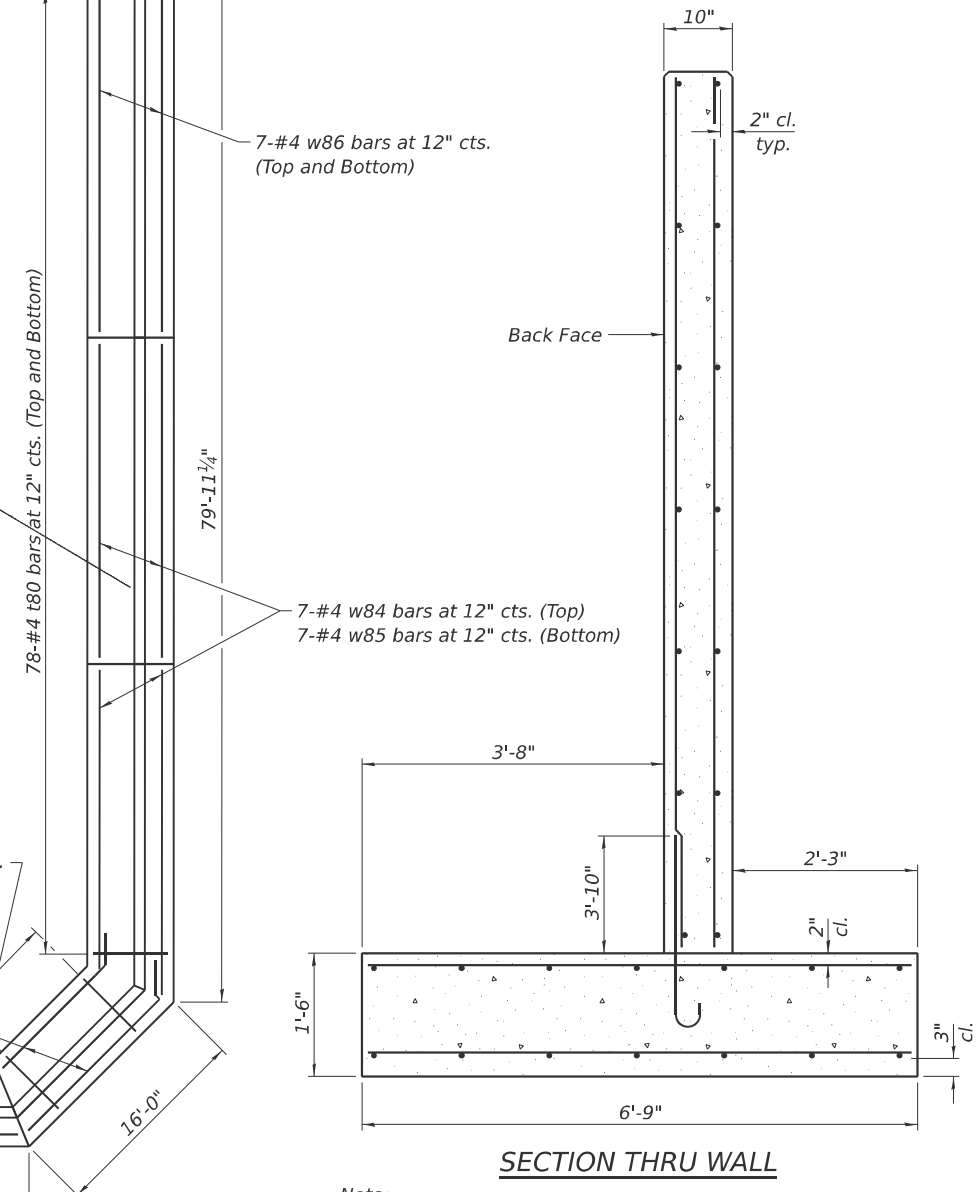
**BAR n81(E)**



**BAR w82**



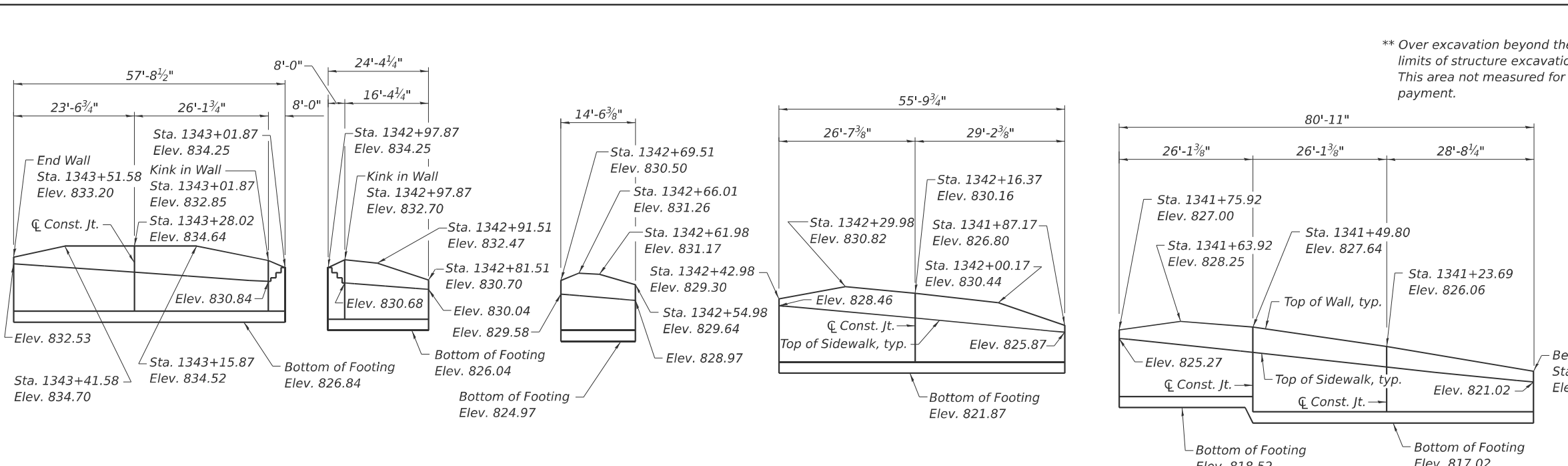
**WALL 9 FOOTING PLAN**



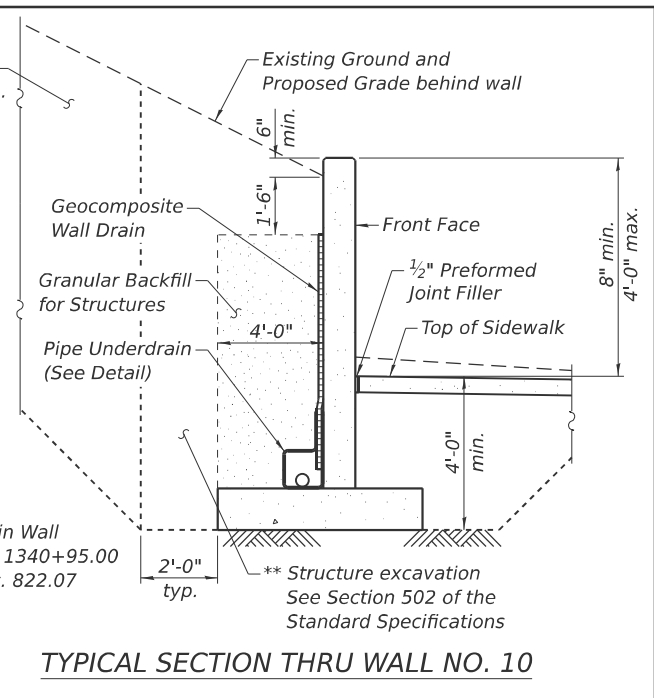
**SECTION THRU WALL**

Note: Maximum applied service bearing pressure  $Q_{max} = 2,240$  psf.

MODEL: Bridge Sheet  
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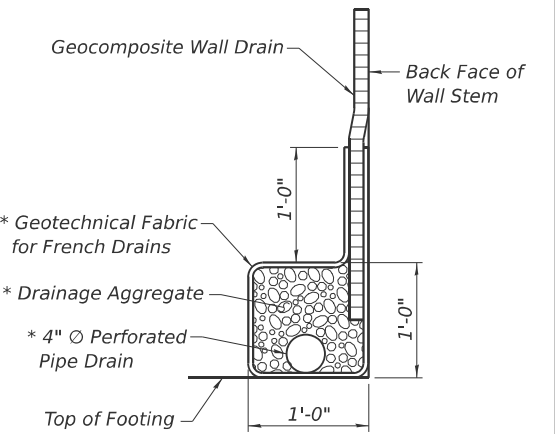
**ELEVATION**  
(Looking at Front Face of Wall)



**TYPICAL SECTION THRU WALL NO. 10**

**Notes:**  
Horizontal dimensions measured along front face of wall unfolded, looking at front face of wall.  
All offsets measured to front face of retaining wall.

\* Included in the cost of "Pipe Underdrains for Structures".  
\*\* Backfill remainder of structure excavation and over excavation with same material specified for roadway embankment.



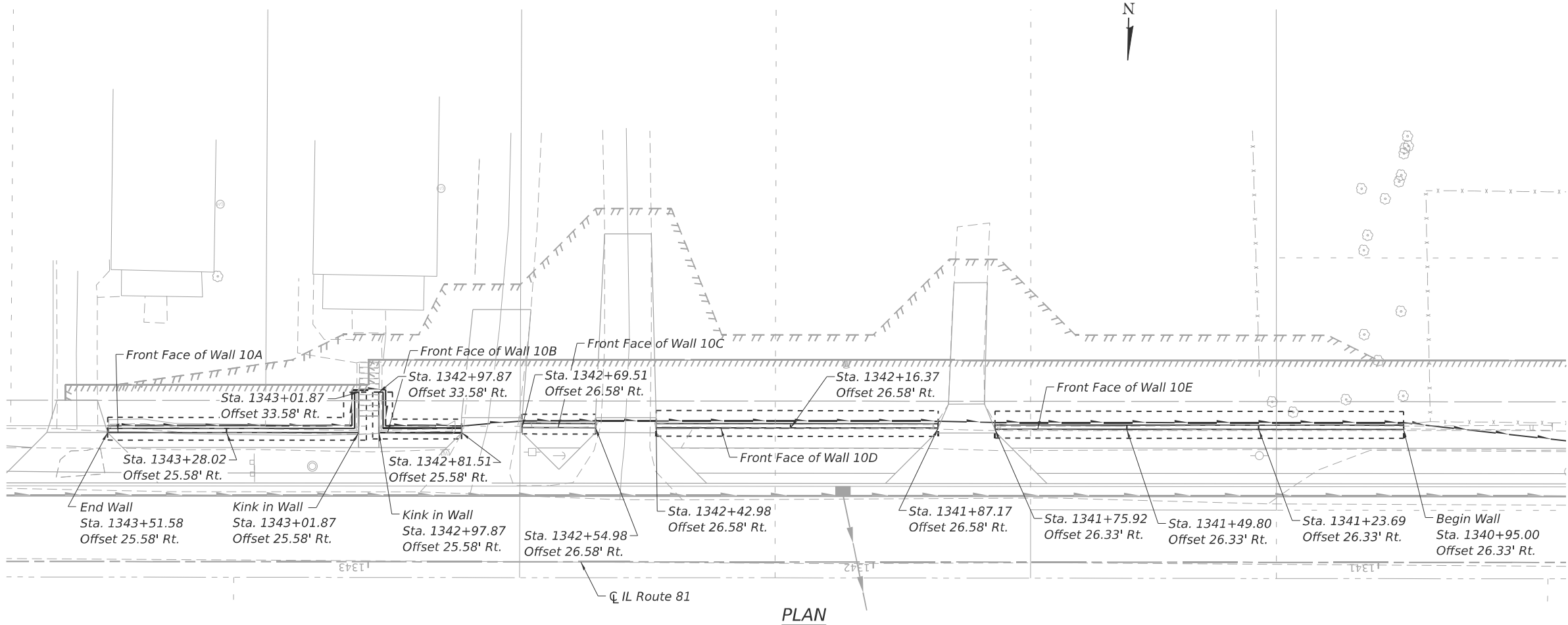
**PIPE UNDERDRAIN DETAIL**

**DESIGN SPECIFICATIONS**  
2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

**DESIGN STRESSES**  
**FIELD UNITS**  
f'c = 3,500 psi  
fy = 60,000 psi (Reinforcement)

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Structure Excavation	Cu. Yd.	357
Reinforcement Bars	Pound	7,330
Reinforcement Bars, Epoxy Coated	Pound	840
Concrete Structures (Retaining Wall)	Cu. Yd.	95.8
Granular Backfill for Structures	Cu. Yd.	176
Geocomposite Wall Drain	Sq. Yd.	133
Pipe Underdrains for Structures 4"	Foot	396



**PLAN**

MODEL - Bridge Sheet  
FILE NAME: \\192.168.0.53\in\pss\2004\struct\cadd (ORD)\CADD\_Sheets\64L94-RW10-01-GPE.dgn

**LIN ENGINEERING, LTD.**  
Consulting Engineers  
Springfield, Illinois

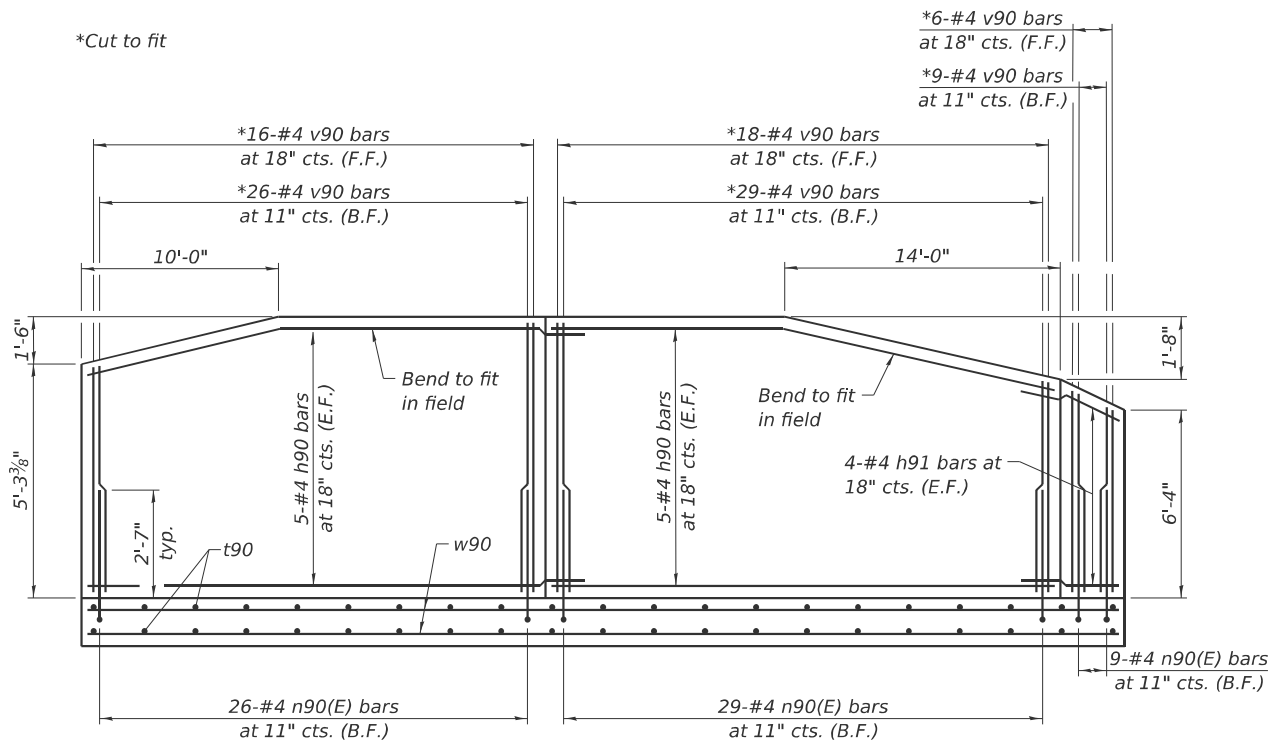
USER NAME = LIN16-PC	DESIGNED - CL	REVISED -
	DRAWN - SJH	REVISED -
	CHECKED - CZ	REVISED -
PLOT DATE = 3/20/2026	DATE = 01/03/2025	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

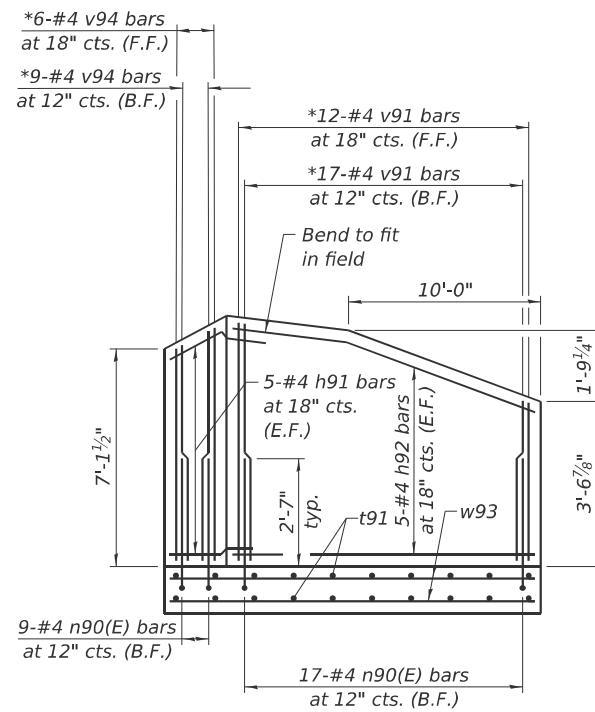
**RETAINING WALL NO. 10**  
**GENERAL PLAN AND ELEVATION**

SHEET 1 OF 3 SHEETS

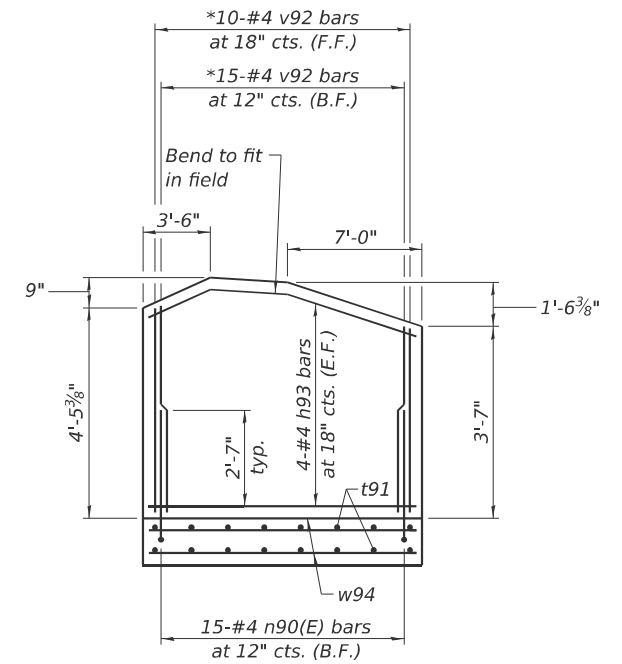
F.A.P. RTE. 611	SECTION 104R	COUNTY HENRY	TOTAL SHEETS 426	SHEET NO. 326
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				



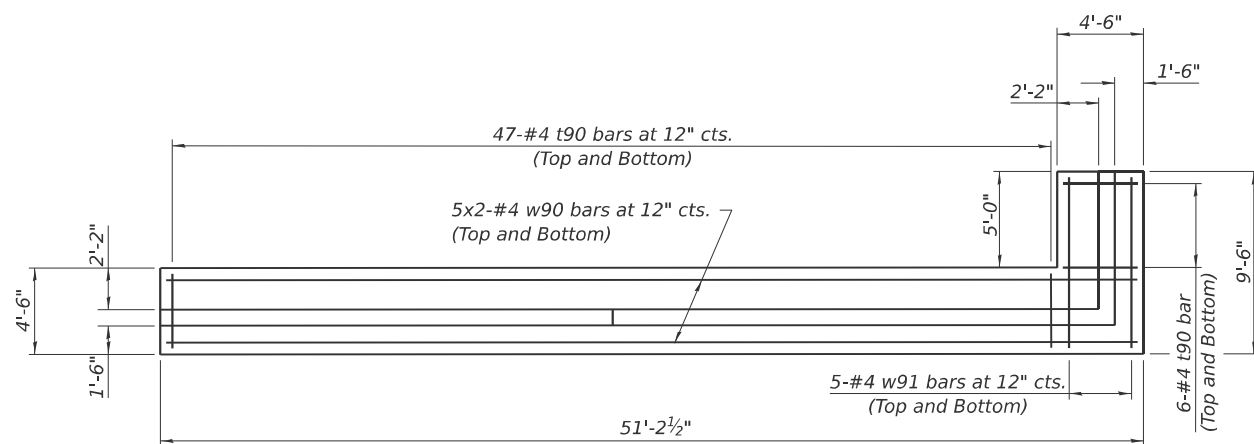
**WALL 10A REINFORCEMENT**



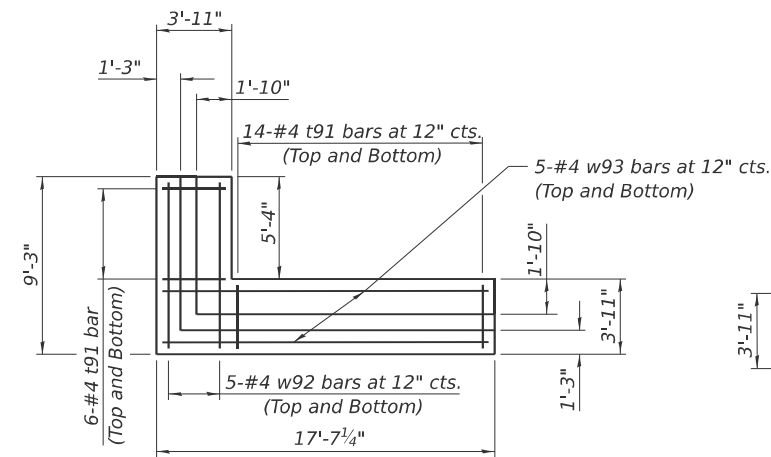
**WALL 10B REINFORCEMENT**



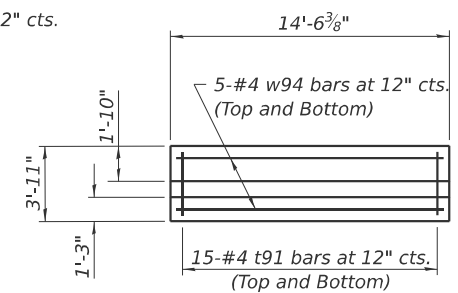
**WALL 10C REINFORCEMENT**



**WALL 10A FOOTING PLAN**



**WALL 10B FOOTING PLAN**



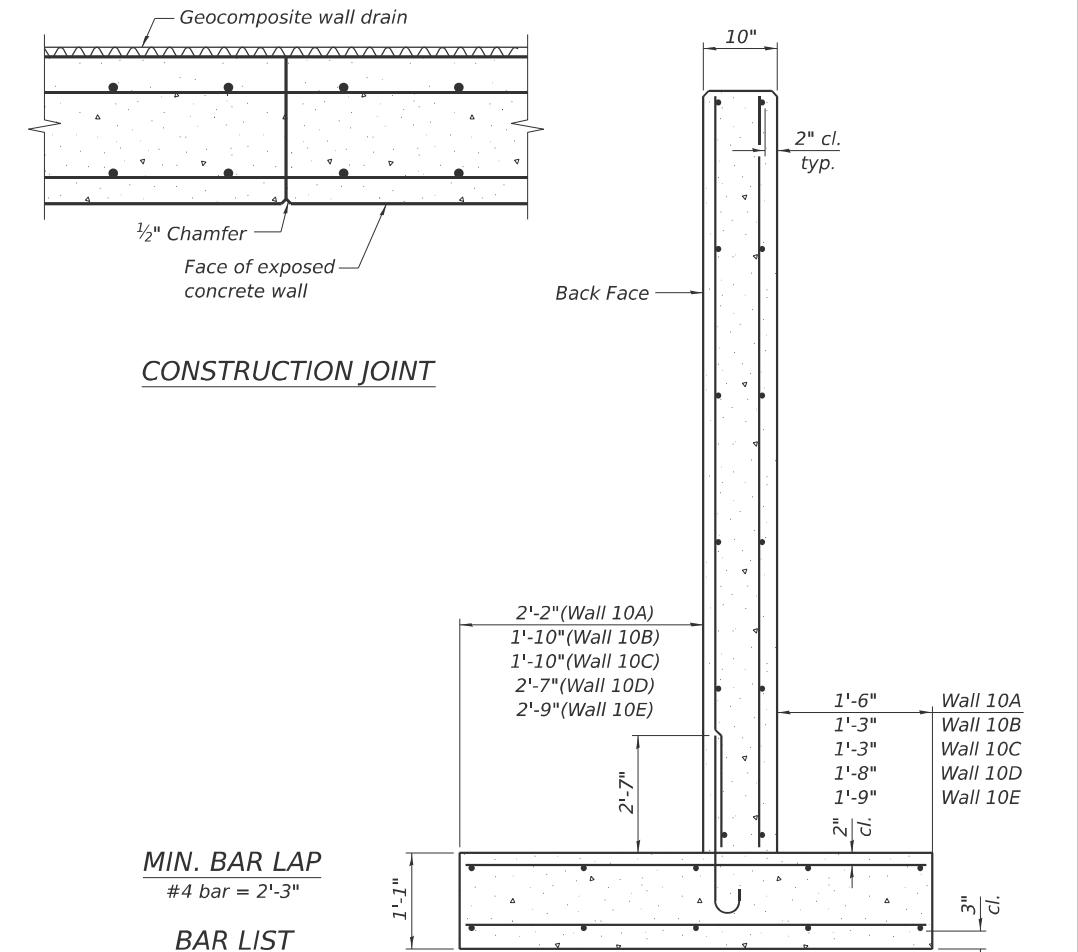
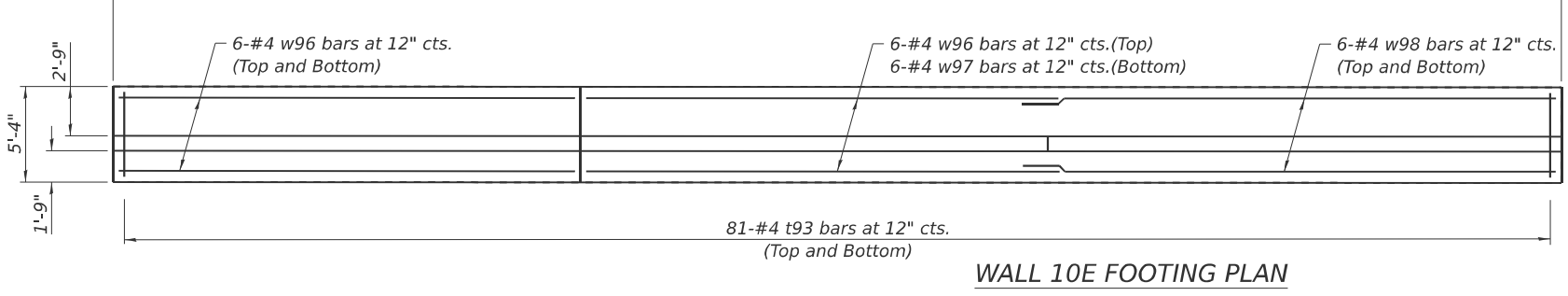
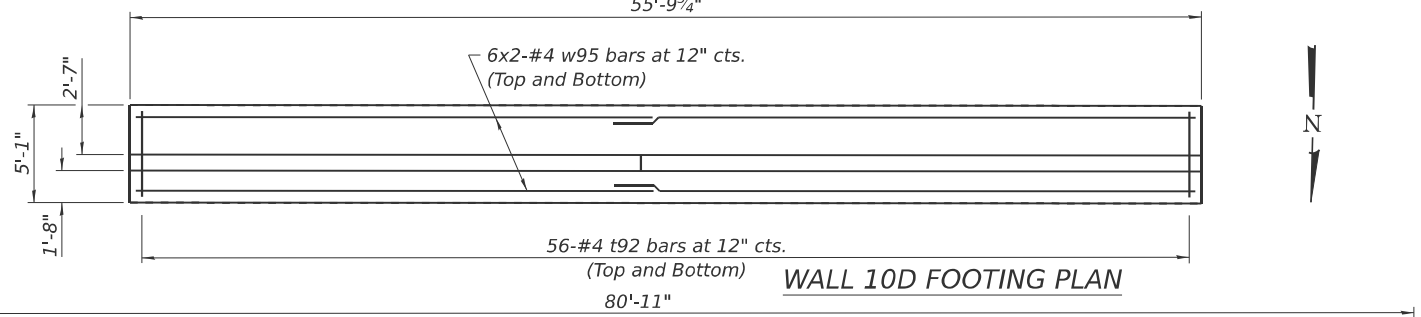
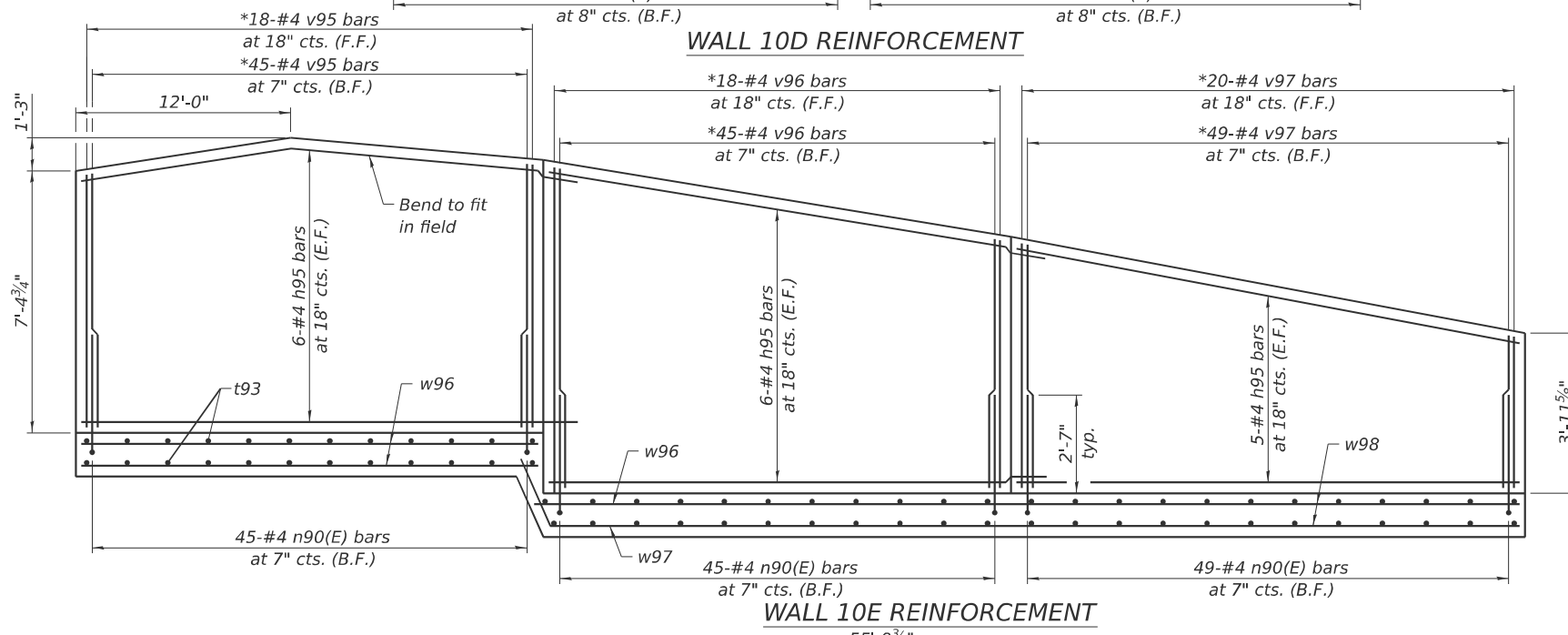
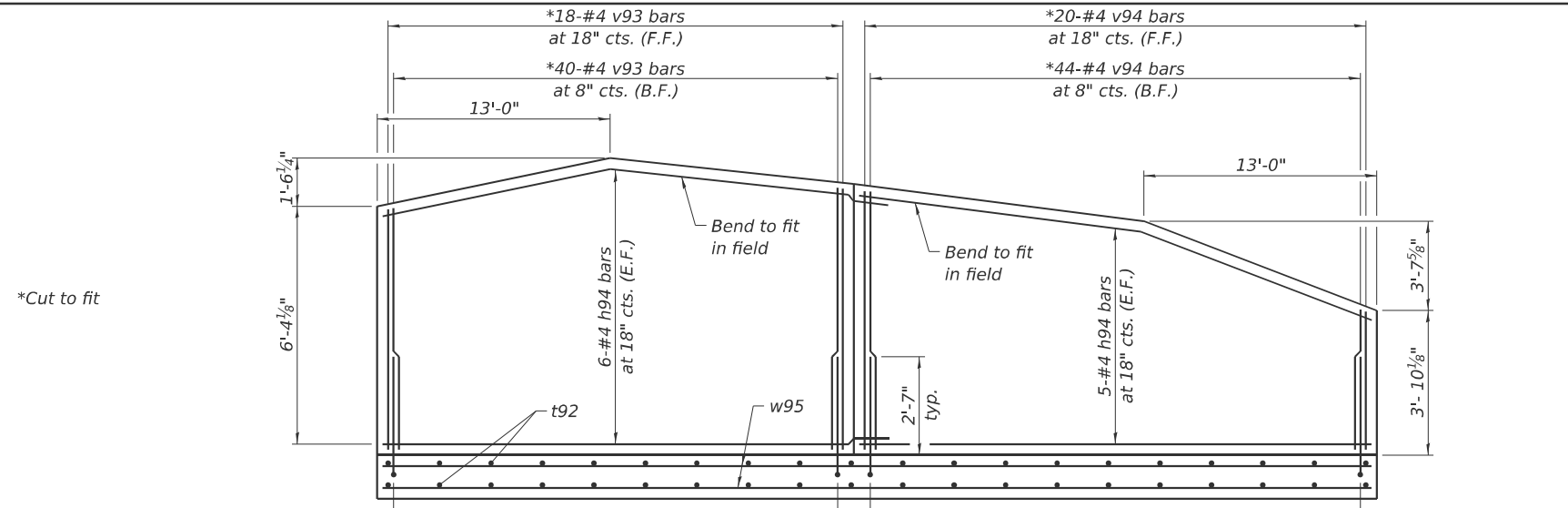
**WALL 10C FOOTING PLAN**

**MIN. BAR LAP**  
#4 bar = 2'-3"

MODEL: Bridge Sheet  
FILE NAME: \\192.168.0.53\in\jobs\2004\struct\cadd (ORD)\CADD\_Sheets\64L94\RW10-02-Details.dgn

USER NAME = LIN16-PC	DESIGNED - CL	REVISED -
	DRAWN - TJR	REVISED -
	CHECKED - CZ	REVISED -
PLOT DATE = 3/19/2026	DATE - 01/03/2025	REVISED -

F.A.P. RTE. 611	SECTION 104R	COUNTY HENRY	TOTAL SHEETS 426	SHEET NO. 327
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				



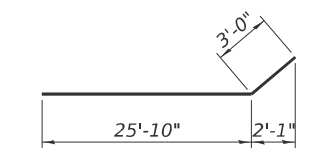
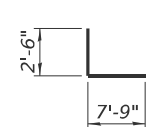
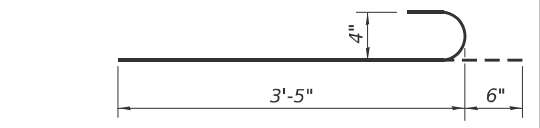
MIN. BAR LAP  
#4 bar = 2'-3"

**BAR LIST**

Bar	No.	Size	Length	Shape
h90	20	#4	25'-10"	—
h91	18	#4	10'-3"	—
h92	10	#4	16'-1"	—
h93	8	#4	14'-3"	—
h94	22	#4	28'-10"	—
h95	34	#4	28'-4"	—
n90(E)	328	#4	3'-11"	—
t90	106	#4	4'-3"	—
t91	70	#4	3'-8"	—
t92	112	#4	4'-10"	—
t93	162	#4	5'-1"	—
v90	104	#4	6'-6"	—
v91	29	#4	5'-4"	—
v92	25	#4	4'-11"	—
v93	58	#4	7'-8"	—
v94	79	#4	7'-2"	—
v95	63	#4	8'-4"	—
v96	63	#4	9'-3"	—
v97	69	#4	7'-8"	—
w90	20	#4	26'-8"	—
w91	10	#4	9'-3"	—
w92	10	#4	9'-0"	—
w93	10	#4	17'-4"	—
w94	10	#4	14'-3"	—
w95	24	#4	29'-0"	—
w96	18	#4	25'-10"	—
w97	6	#4	28'-10"	—
w98	12	#4	31'-0"	—

**SECTION THRU WALL**

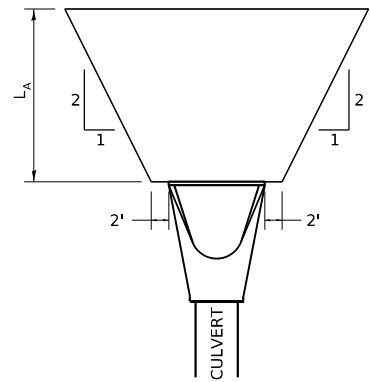
Note: Maximum applied service bearing pressure  $Q_{max} = 1,900$  psf.



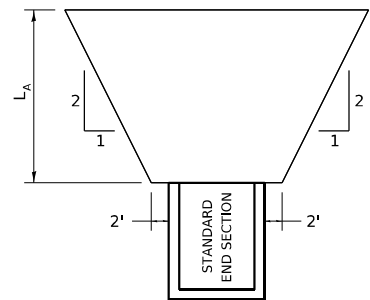
(Sheet 2 of 2)

MODEL: Br\_Sheet\_Constulant  
FILE NAME: E:\2020\struct\CADD (ORD)\CADD\_Sheets\64L94\RW1\03-Details.dgn

# RIPRAP AT END SECTIONS



FLARED END SECTION



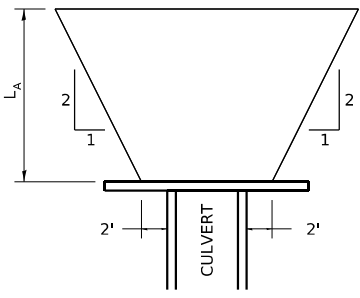
STANDARD END SECTION

REVISED - 7-13-16  
 REVISED - 11-12-14  
 REVISED - 2-10-14

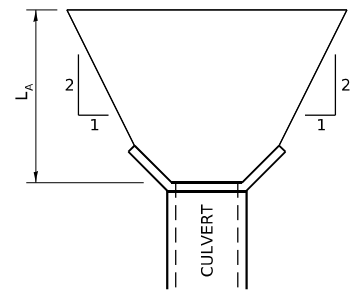
$L_A$  = APRON LENGTH (ft)

IF THE CULVERT OUTLETS INTO A DEFINED CHANNEL, RIPRAP BANK TO BANK FOR LENGTH ( $L_A$ )

STANDARD END SECTION:  
 542001 (PIPE), 542011 (ELLIPTICAL)  
 DISTRICT STANDARD 10.1 (BOX).



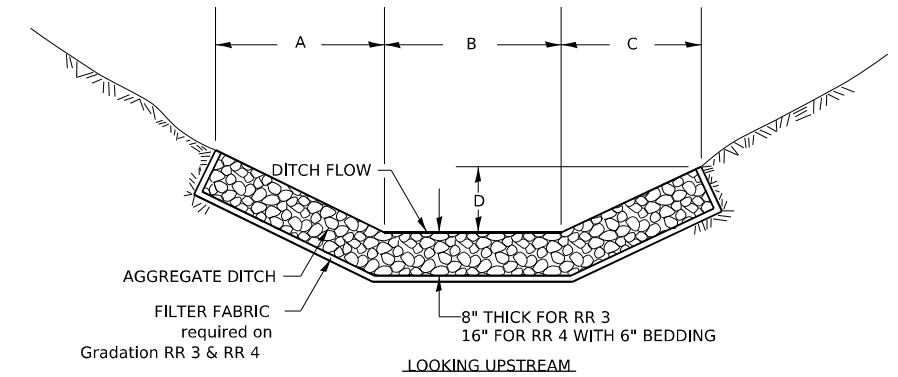
CULVERT WITH HEADWALL



CULVERT WITH WING WALLS

## RIPRAP AT END SECTIONS 19.4

# AGGREGATE DITCH FOR FLEXIBLE DITCH LINING



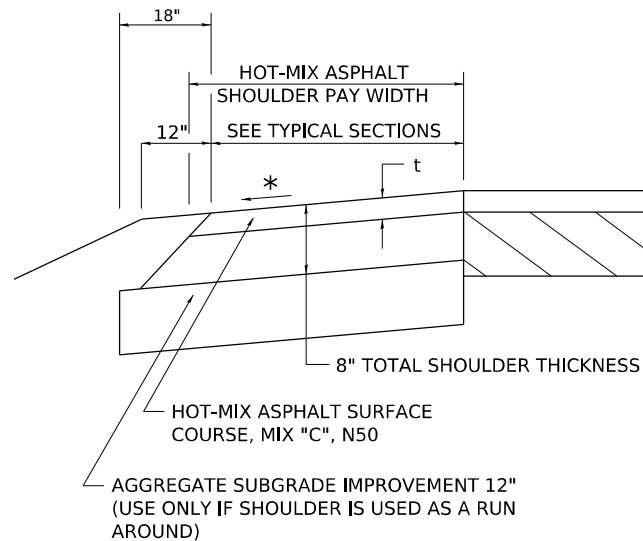
THIS WORK SHALL BE DONE IN ACCORDANCE WITH SECTION 281. AGGREGATE DITCH WILL BE MEASURED FOR PAYMENT IN PLACE AND THE AREA COMPUTED IN SQUARE YARDS OF ACTUAL SURFACE AREA. AGGREGATE DITCH WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR STONE RIPRAP CLASS A3 OR STONE RIPRAP CLASS A4 THE FILTER FABRIC SHALL BE ACCORDING TO SECTION 282. FILTER FABRIC WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR FILTER FABRIC.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 7-05-12

## AGGREGATE DITCH FOR FLEXIBLE DITCH LINING 21.4

# HOT-MIX ASPHALT SHOULDER



### GENERAL NOTES

THE HOT-MIX ASPHALT SHOULDER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 482 EXCEPT THE TOP LIFT SHALL BE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50. THE WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 AND SQUARE YARD FOR HOT-MIX ASPHALT SHOULDERS OF THE THICKNESS SPECIFIED.

USE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50. WHEN RESURFACING EXISTING HOT-MIX ASPHALT SHOULDERS, THE THICKNESS IS SHOWN ON THE TYPICAL SECTIONS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50.

REMOVAL OF MATERIAL FOR PLACEMENT OF THE HOT-MIX ASPHALT SHOULDER TO BE PAID FOR IN UNITS FOR EXCAVATING AND GRADING EXISTING SHOULDERS OR IN CUBIC YARDS FOR EARTH EXCAVATION OR EARTH EXCAVATION WIDENING.

\* 4% WHEN MAINLINE IS ON TANGENT. FOR CROSS SLOPE ON SUPERELEVATION SECTION, SEE HIGHWAY STANDARD 482001 OR 482006.

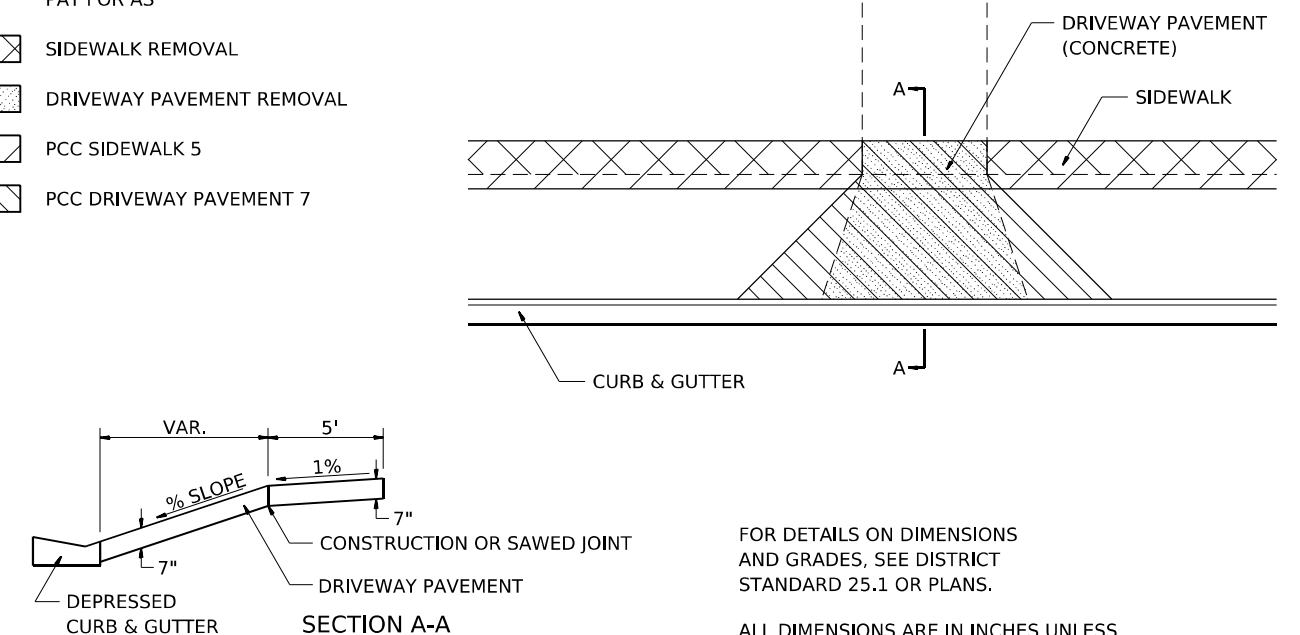
t = SEE TYPICAL SECTIONS FOR THICKNESS

REVISED - 1-05-16  
 REVISED - 3-13-13

## HOT-MIX ASPHALT SHOULDER 22.4

# SIDEWALK AND DRIVEWAY PAVEMENT PAY AREAS

- PAY FOR AS
- SIDEWALK REMOVAL
  - DRIVEWAY PAVEMENT REMOVAL
  - PCC SIDEWALK 5
  - PCC DRIVEWAY PAVEMENT 7



FOR DETAILS ON DIMENSIONS AND GRADES, SEE DISTRICT STANDARD 25.1 OR PLANS.

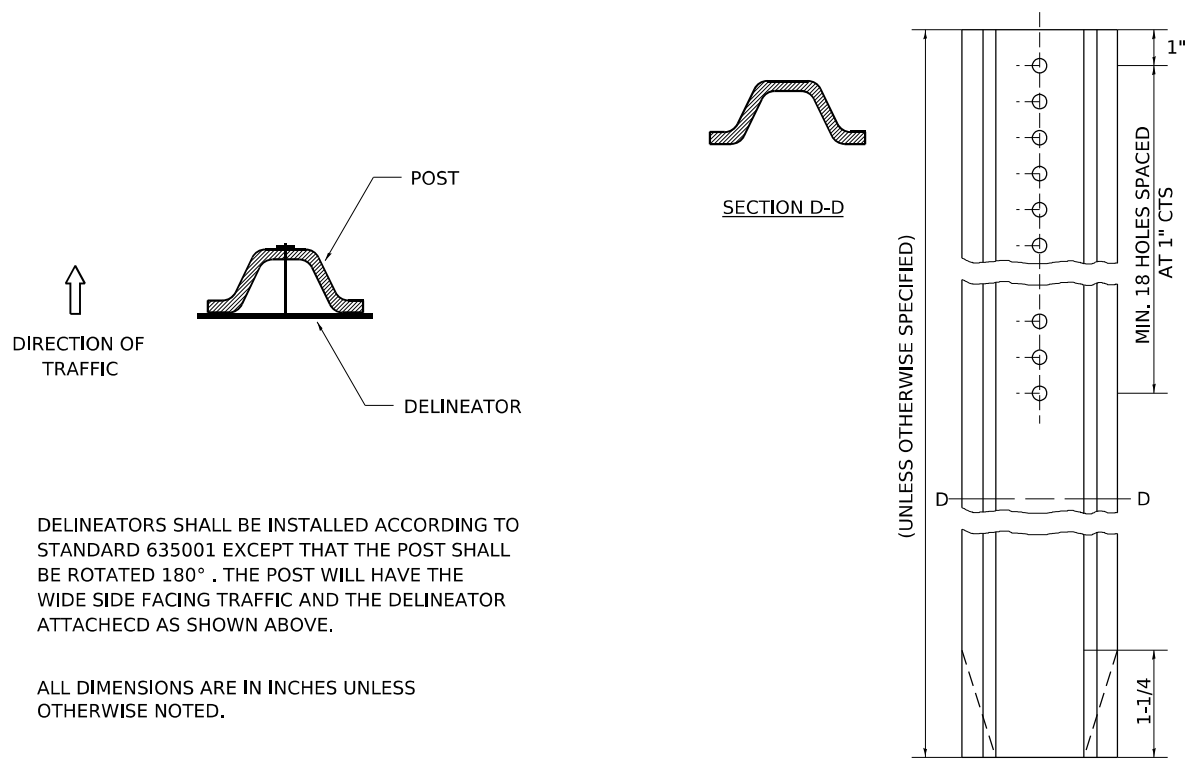
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISION 22-14	REGION 2 / DISTRICT 2 STANDARD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISION 03-11		611	104R	HENRY	426	329
REVISION -		CONTRACT NO. 64L94				
REVISION -		SCALE: N/A	SHEET 1	OF 23 SHEETS	STA.	TO STA.

## SIDEWALK AND DRIVEWAY PAVEMENT PAY AREAS 35.4

MODEL: 19.4 21.4 22.4 35.4  
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 PLOT DATE: 3/22/2012

# DELINEATOR AND POST ORIENTATION



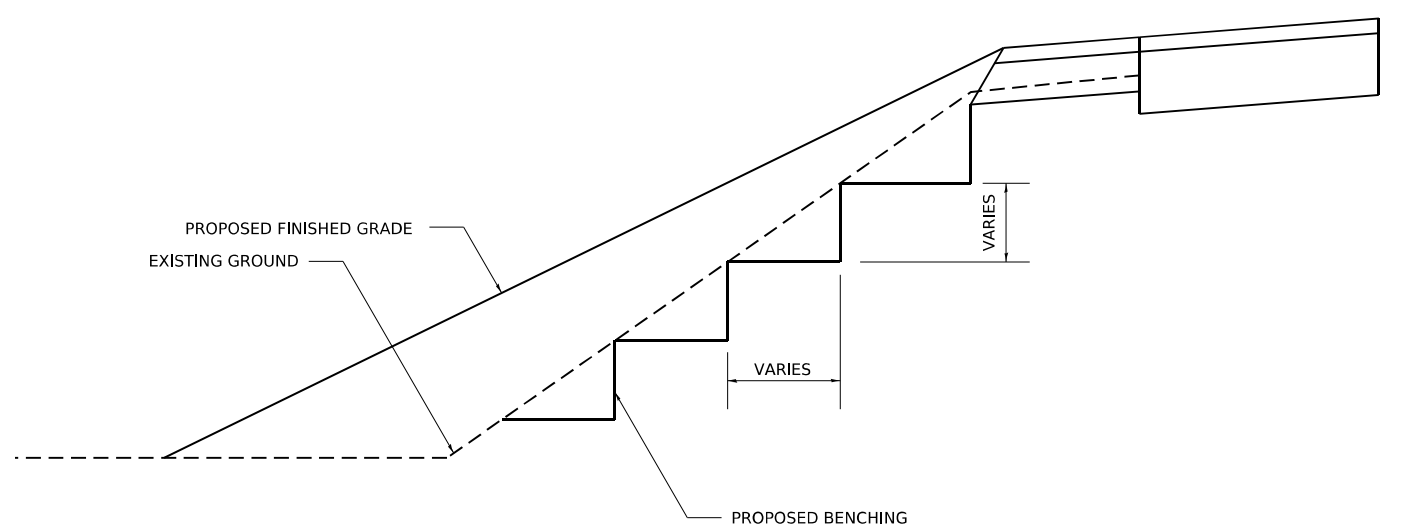
DELINEATORS SHALL BE INSTALLED ACCORDING TO STANDARD 635001 EXCEPT THAT THE POST SHALL BE ROTATED 180°. THE POST WILL HAVE THE WIDE SIDE FACING TRAFFIC AND THE DELINEATOR ATTACHED AS SHOWN ABOVE.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 10-03-11

**DELINEATOR AND POST ORIENTATION 37.4**

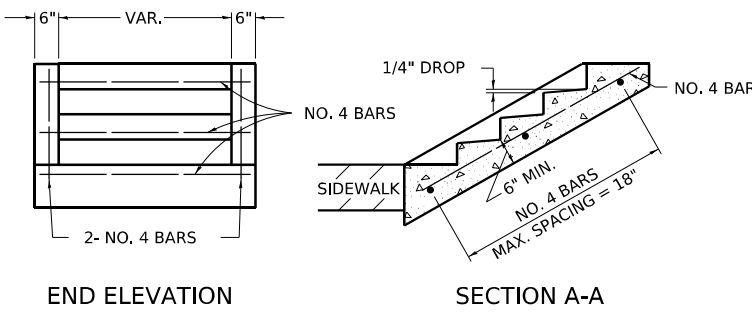
# TYPICAL BENCHING ON EXISTING EMBANKMENT



REVISED - 2-22-06

**TYPICAL BENCHING ON EXISTING EMBANKMENT 50.4**

# DETAIL OF CONCRETE STEPS



**TABLE OF TREADS & RISERS**

SLOPE	TREAD	RISER
1:2	12"	6"
1:3	15"	5"
1:4	17"	4 1/4"

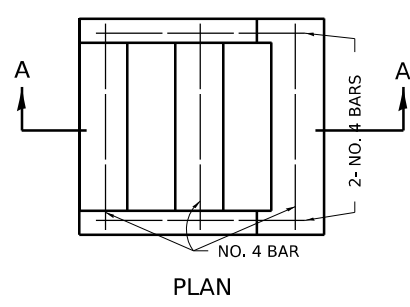
WHERE SLOPES FALL BETWEEN THOSE SHOWN IN THE TABLE ABOVE, THE STAIR RAIL SHOULD FIT THE SLOPE AND THE TREAD IN INCHES x THE RISER IN INCHES SHOULD BE BETWEEN 72 AND 78.

**EXAMPLE:**  
 FOR A 1:4 SLOPE USE  $y = \text{RISER HEIGHT } 4y = 7\frac{1}{2}"$ .  
 SOLVING  $y \approx 75\frac{1}{4}"$ ,  $y = 4.3"$  (USE 4 1/4" FOR CONVENIENCE.)  
 TREAD WOULD THEN BE  $4 \frac{1}{4}" \times 4 = 17"$

COST OF REINFORCEMENT BARS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER LBS FOR REINFORCEMENT BARS.

CLASS SI CONCRETE SHALL BE USED THROUGHOUT, WHICH SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR CONCRETE STEPS

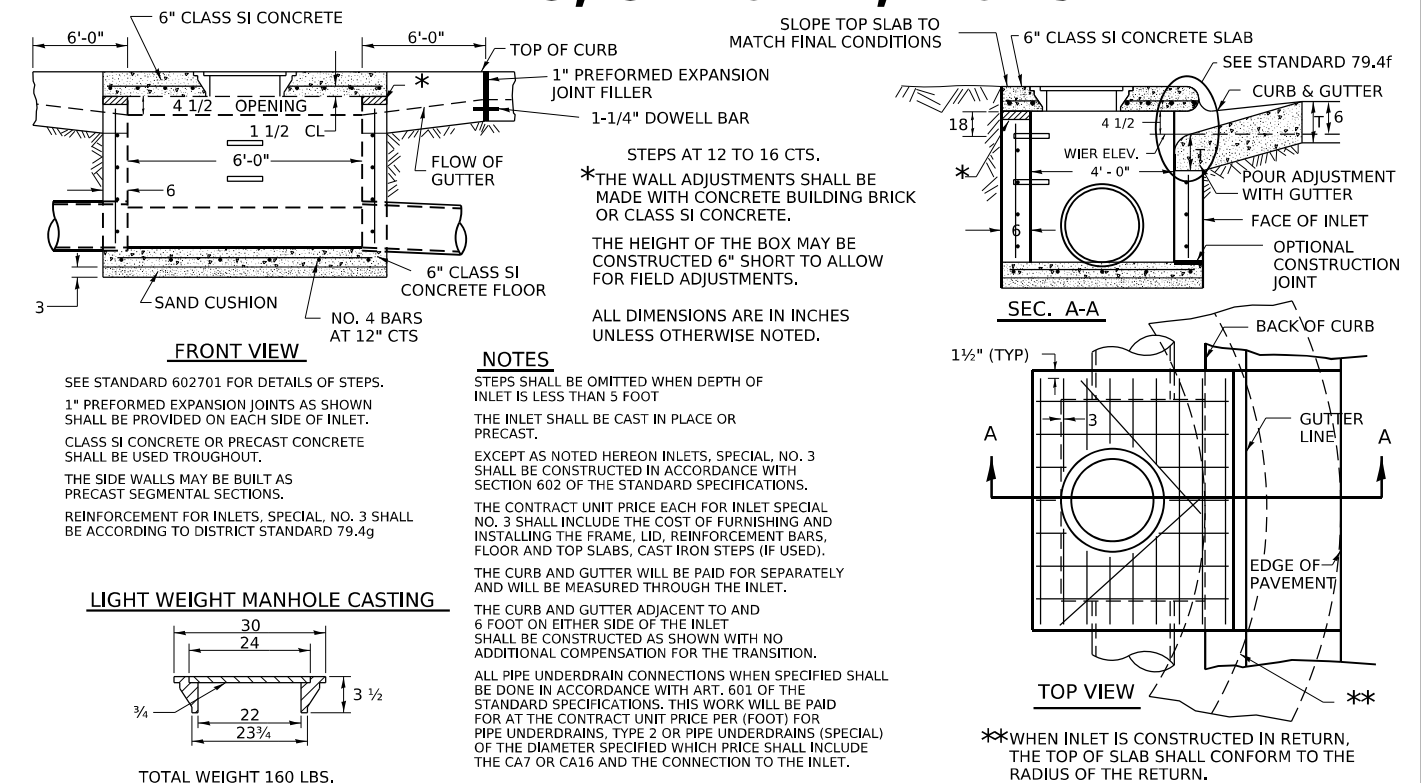
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.



REVISED - 8-27-13  
 REVISED - 10-03-11

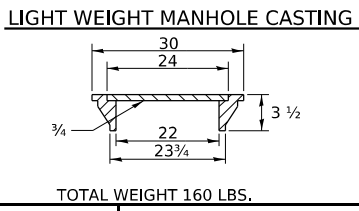
**DETAIL OF CONCRETE STEPS 71.4**

# INLETS, SPECIAL, NO. 3



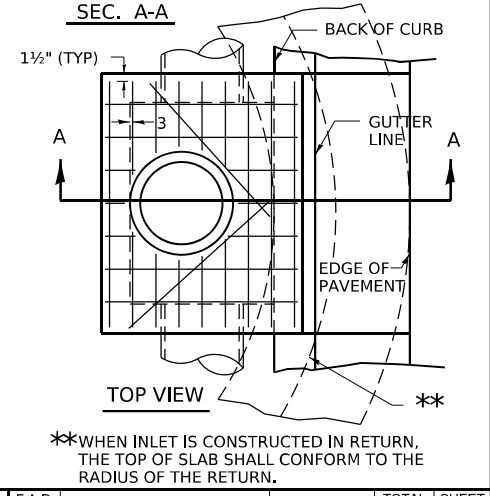
**FRONT VIEW**

SEE STANDARD 602701 FOR DETAILS OF STEPS.  
 1" PREFORMED EXPANSION JOINTS AS SHOWN SHALL BE PROVIDED ON EACH SIDE OF INLET.  
 CLASS SI CONCRETE OR PRECAST CONCRETE SHALL BE USED THROUGHOUT.  
 THE SIDE WALLS MAY BE BUILT AS PRECAST SEGMENTAL SECTIONS.  
 REINFORCEMENT FOR INLETS, SPECIAL, NO. 3 SHALL BE ACCORDING TO DISTRICT STANDARD 79.4g



**NOTES**

STEPS SHALL BE OMITTED WHEN DEPTH OF INLET IS LESS THAN 5 FOOT  
 THE INLET SHALL BE CAST IN PLACE OR PRECAST.  
 EXCEPT AS NOTED HEREON INLETS, SPECIAL, NO. 3 SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 602 OF THE STANDARD SPECIFICATIONS.  
 THE CONTRACT UNIT PRICE EACH FOR INLET SPECIAL NO. 3 SHALL INCLUDE THE COST OF FURNISHING AND INSTALLING THE FRAME, LID, REINFORCEMENT BARS, FLOOR AND TOP SLABS, CAST IRON STEPS (IF USED).  
 THE CURB AND GUTTER WILL BE PAID FOR SEPARATELY AND WILL BE MEASURED THROUGH THE INLET.  
 THE CURB AND GUTTER ADJACENT TO AND 6 FOOT ON EITHER SIDE OF THE INLET SHALL BE CONSTRUCTED AS SHOWN WITH NO ADDITIONAL COMPENSATION FOR THE TRANSITION.  
 ALL PIPE UNDERDRAIN CONNECTIONS WHEN SPECIFIED SHALL BE DONE IN ACCORDANCE WITH ART. 601 OF THE STANDARD SPECIFICATIONS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER (FOOT) FOR PIPE UNDERDRAINS, TYPE 2 OR PIPE UNDERDRAINS (SPECIAL) OF THE DIAMETER SPECIFIED WHICH PRICE SHALL INCLUDE THE CA7 OR CA16 AND THE CONNECTION TO THE INLET.



**TOP VIEW**

**SECTION A-A**

SEE STANDARD 79.4f  
 CURB & GUTTER  
 POUR ADJUSTMENT WITH GUTTER  
 FACE OF INLET  
 OPTIONAL CONSTRUCTION JOINT

1 1/2" (TYP)  
 3  
 6  
 6  
 4 1/2  
 4'-0"

WIER ELEV. 4'-0"

BACK OF CURB  
 GUTTER LINE  
 EDGE OF PAVEMENT

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

REVISED - 1-05-16  
 REVISED - 8-27-13  
 REVISED - 10-03-11  
 REVISED -

**REGION 2 / DISTRICT 2 STANDARD**

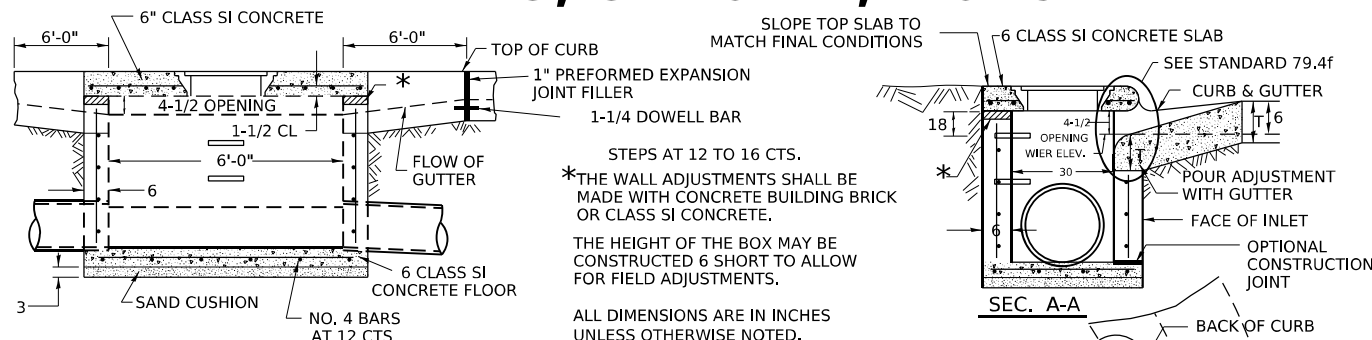
SCALE: N/A	SHEET 2	OF 23 SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	330
CONTRACT NO. 64L94				

**INLETS, SPECIAL, NO. 3 79.4**

MODEL: 37.4 50.4 71.4 79.4  
 PLOT DATE: 10/03/2011  
 PLOT TIME: 10:03:20  
 PLOT BY: J. M. HARRIS

# INLETS, SPECIAL, NO. 5



STEPS AT 12 TO 16 CTS.  
 \*THE WALL ADJUSTMENTS SHALL BE MADE WITH CONCRETE BUILDING BRICK OR CLASS SI CONCRETE.  
 THE HEIGHT OF THE BOX MAY BE CONSTRUCTED 6 SHORT TO ALLOW FOR FIELD ADJUSTMENTS.  
 ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

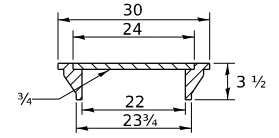
### NOTES

STEPS SHALL BE OMITTED WHEN DEPTH OF INLET IS LESS THAN 5 FOOT  
 THE INLET SHALL BE CAST IN PLACE OR PRECAST.  
 EXCEPT AS NOTED HEREON INLETS, SPECIAL NO. 5 SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 602 OF THE STANDARD SPECIFICATIONS.  
 THE CONTRACT UNIT PRICE EACH FOR INLET SPECIAL NO. 5 SHALL INCLUDE THE COST OF FURNISHING AND INSTALLING THE FRAME, LID, REINFORCEMENT BARS, FLOOR AND TOP SLABS, CAST IRON STEPS (IF USED).  
 THE CURB AND GUTTER WILL BE PAID FOR SEPARATELY AND WILL BE MEASURED THROUGH THE INLET.  
 THE CURB AND GUTTER ADJACENT TO AND 6 FOOT ON EITHER SIDE OF THE INLET SHALL BE CONSTRUCTED AS SHOWN WITH NO ADDITIONAL COMPENSATION FOR THE TRANSITION.  
 ALL PIPE UNDERDRAIN CONNECTIONS WHEN SPECIFIED SHALL BE DONE IN ACCORDANCE WITH ART. 601 OF THE STANDARD SPECIFICATIONS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER (FOOT) FOR PIPE UNDERDRAINS, TYPE 2 OR PIPE UNDERDRAINS (SPECIAL) OF THE DIAMETER SPECIFIED WHICH PRICE SHALL INCLUDE THE CA7 OR CA16 AND THE CONNECTION TO THE INLET.

### FRONT VIEW

SEE STANDARD 602701 FOR DETAILS OF STEPS.  
 1" PREFORMED EXPANSION JOINTS AS SHOWN SHALL BE PROVIDED ON EACH SIDE OF INLET.  
 CLASS SI CONCRETE OR PRECAST CONCRETE SHALL BE USED THROUGHOUT.  
 THE SIDE WALLS MAY BE BUILT AS PRECAST SEGMENTAL SECTIONS.  
 REINFORCEMENT FOR INLETS, SPECIAL NO. 5 SHALL BE ACCORDING TO DISTRICT STANDARD 79.4g

### LIGHT WEIGHT MANHOLE CASTING

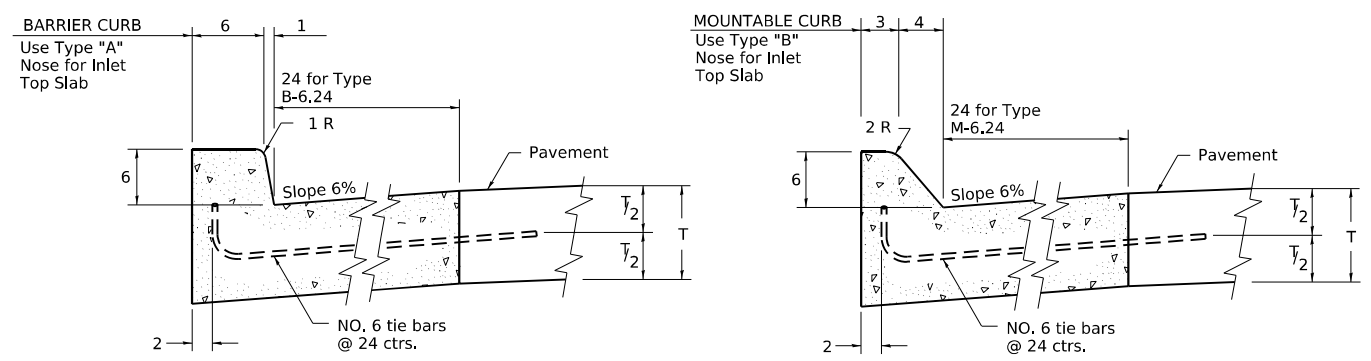


TOTAL WEIGHT 160 LBS.

REVISED - 1-05-16  
 REVISED - 8-27-13  
 REVISED - 10-04-11

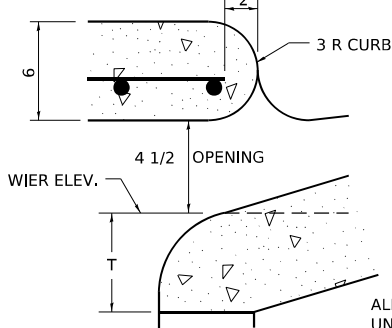
INLETS, SPECIAL, NO. 5 79.4b

# NOSE TYPE FOR INLET TOP SLAB



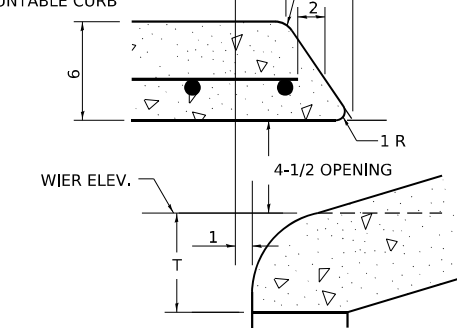
### TYPE "A"

TO BE USED ON EXISTING OR PROPOSED 6 BARRIER CURB



### TYPE "B"

TO BE USED ON PROPOSED 6 MOUNTABLE CURB

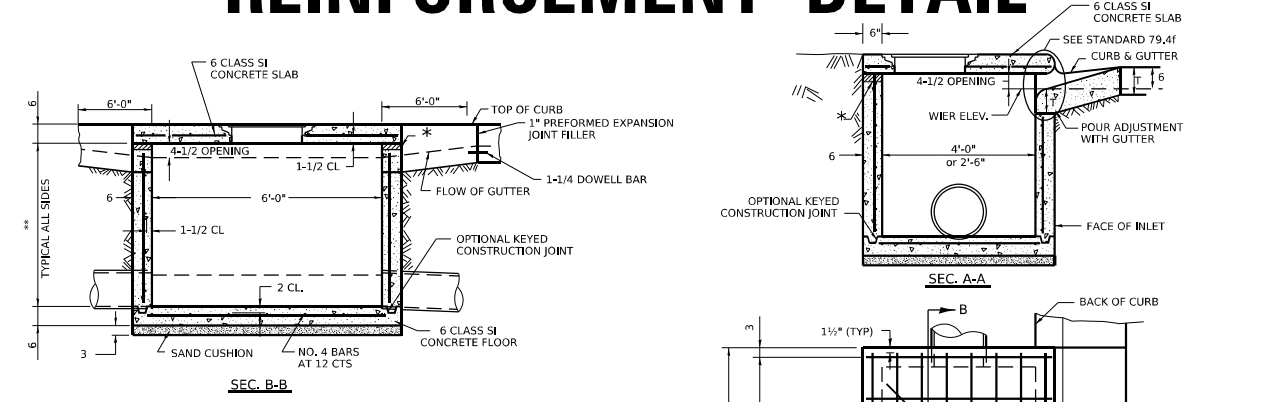


ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 4-14-15  
 REVISED - 10-05-11

NOSE TYPE FOR INLET TOP SLAB 79.4f

# INLETS, SPECIAL, NO. 3, 4, 5, 6 REINFORCEMENT DETAIL



\* THE WALL ADJUSTMENTS SHALL BE MADE WITH CONCRETE BUILDING BRICK OR CLASS SI CONCRETE.  
 THE HEIGHT OF THE BOX MAY BE CONSTRUCTED 6 SHORT TO ALLOW FOR FIELD ADJUSTMENTS.  
 \*\* 4'-0" TO 8'-0" - NO. 5 REINF. BARS AT 12 CTS. E.W.  
 8'-0" TO 13'-0" - NO. 5 REINF. BARS AT 10 CTS. E.W.  
 13'-0" TO 15'-0" - NO. 5 REINF. BARS AT 8 CTS. E.W.  
 \*\*\* 7 SPA. AT 8" INLET SPECIAL # 3, 4  
 5 SPA AT 7-5/8" INLET SPECIAL # 5, 6  
 \*\*\*\* 2 REBARS FOR INLET SPECIAL 3 & 4 @ 65"  
 4 REBARS FOR INLET SPECIAL 5 & 6 @ 24"

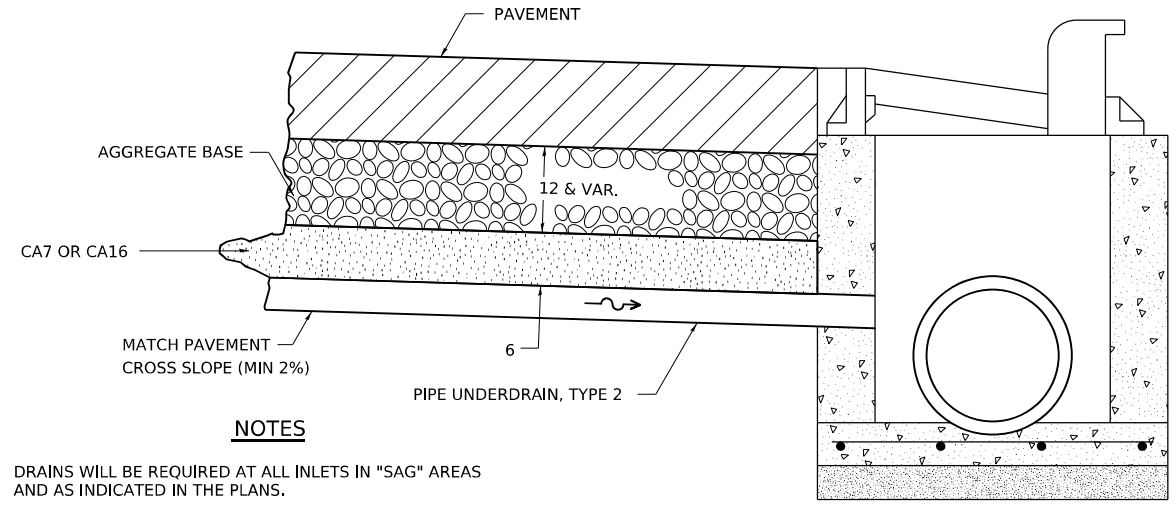
### NOTES

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

REVISED - 4-13-16  
 REVISED - 8-27-13  
 REVISED - 10-05-11

INLETS, SPECIAL, NO. 3, 4, 5, 6 REINFORCEMENT DETAIL 79.4g

# DRAIN FOR AGGREGATE BASES IN URBAN AREAS



### NOTES

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

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

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR PIPE UNDERDRAINS, TYPE 2 OF THE DIAMETER SPECIFIED WHICH PRICE SHALL INCLUDE THE CA7 OR CA16 AND THE CONNECTION TO THE INLET.

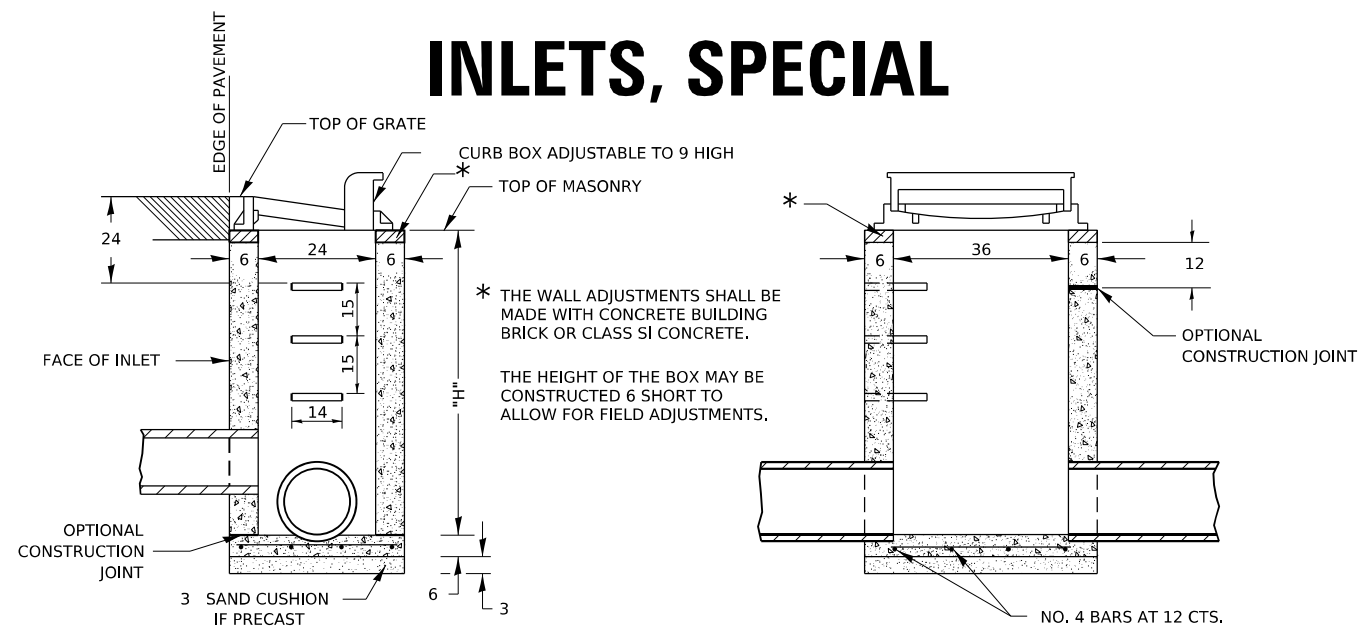
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 1-05-16	REGION 2 / DISTRICT 2 STANDARD				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
REVISED - 10-05-11					611	104R	HENRY	426	331	
REVISED -					CONTRACT NO. 64L94					
REVISED -					ILLINOIS FED. AID PROJECT					
SCALE: N/A	SHEET 3	OF 23 SHEETS	STA.	TO STA.						

DRAIN FOR AGGREGATE BASES IN URBAN AREAS 88.4

MODEL: 79.4b, 79.4f, 79.4g, 88.4  
 PLOT DATE: 11/02/2010  
 PLOT BY: 38292028

# INLETS, SPECIAL

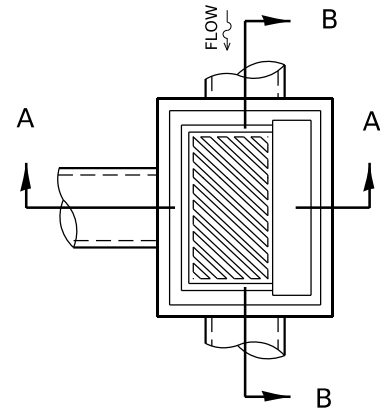


SEC. A-A

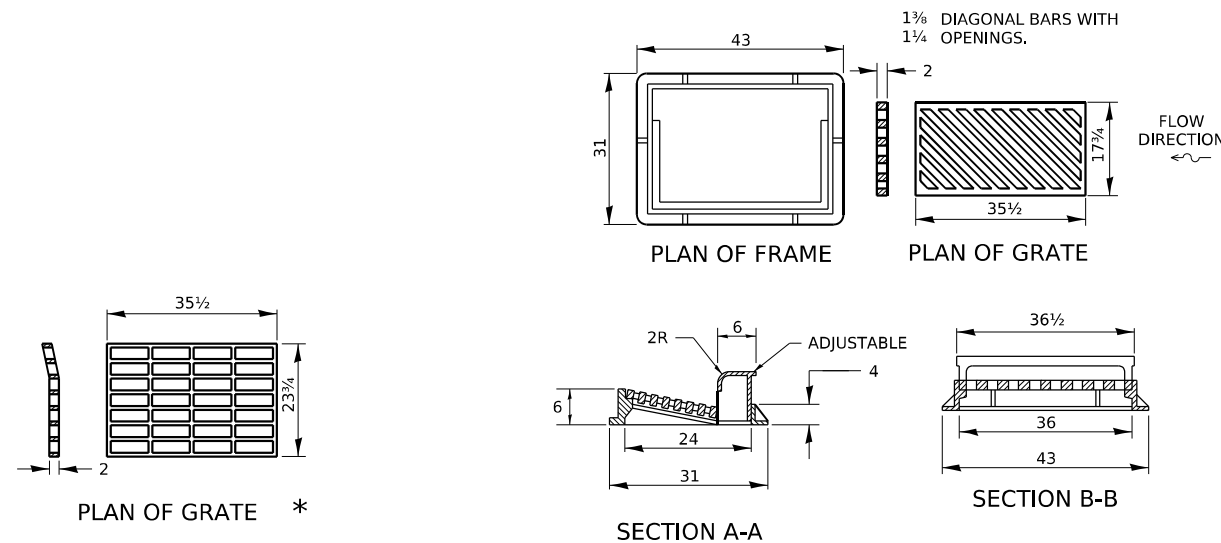
SEC. B-B

### NOTES

- SEE STANDARD 602701 FOR DETAILS OF STEPS.
- EXCEPT AS NOTED HEREON INLET SPECIAL SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 602 OF THE STANDARD SPECIFICATIONS.
- THE SIDE WALLS MAY BE BUILT AS PRECAST SEGMENTED SECTIONS.
- ALL VOIDS AROUND PIPE ENTRANCE, BOTH INSIDE AND OUTSIDE, SHALL BE SEALED WITH MORTAR.
- WEIGHT OF CAST IRON FRAME & GRATE = 530 lbs. ± . STEPS SHALL BE OMITTED WHEN DEPTH OF "H" IS LESS THAN 5 ft.
- CLASS SI CONCRETE OR PRECAST CONCRETE SHALL BE USED THROUGHOUT. PRECAST CONCRETE SHALL BE IN ACCORDANCE WITH ARTICLES 504.01 THRU 504.05 OF THE STANDARD SPECIFICATIONS EXCEPT THAT CONCRETE STRENGTH SHALL BE 4,000 psi AFTER 28 DAYS.
- THE CONTRACT UNIT PRICE EACH FOR INLETS, SPECIAL SHALL INCLUDE THE COST OF CONSTRUCTING THE INLET BOX, FURNISHING AND INSTALLING THE FRAME AND GRATE, THE CAST IRON STEPS (IF USED), THE PRECAST FLOOR SLABS, SAND CUSHION (WHEN USED) AND REINFORCEMENT BARS.



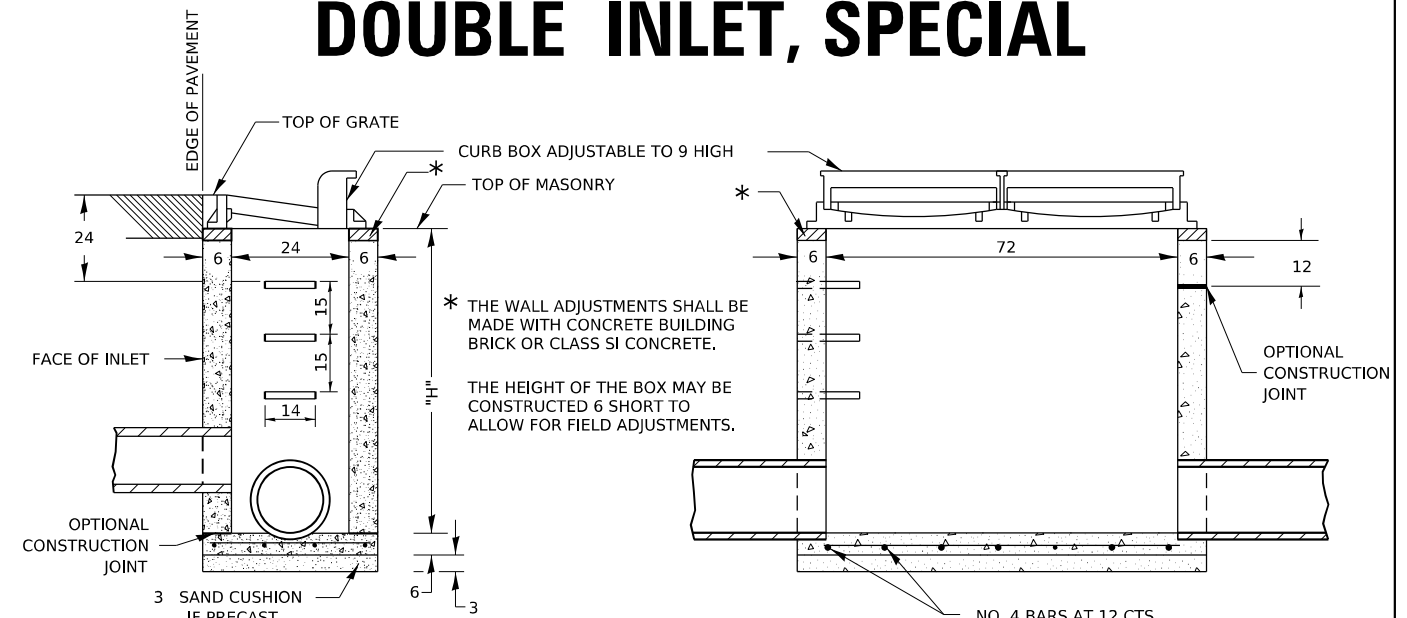
## DETAIL OF FRAME & GRATE



\* THIS GRATE TO BE USED WITHOUT CURB BOX WHEN INLET IS IN DRIVEWAY.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

# DOUBLE INLET, SPECIAL



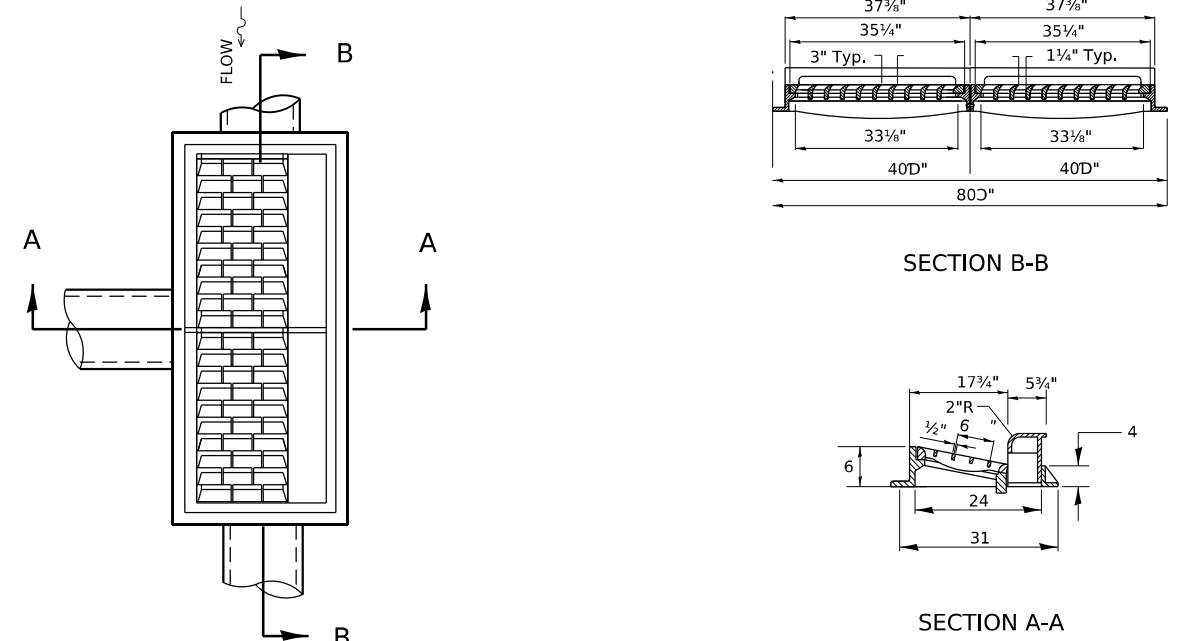
SEC. A-A

SEC. B-B

### NOTES

- SEE STANDARD 602701 FOR DETAILS OF STEPS.
- EXCEPT AS NOTED HEREON DOUBLE INLET SPECIAL SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 602 OF THE STANDARD SPECIFICATIONS.
- THE SIDE WALLS MAY BE BUILT AS PRECAST SEGMENTED SECTIONS.
- ALL VOIDS AROUND PIPE ENTRANCE, BOTH INSIDE AND OUTSIDE, SHALL BE SEALED WITH MORTAR.
- R-3295-2 DOUBLE UNIT OR EQUIVALENT.
- STEPS SHALL BE OMITTED WHEN DEPTH OF "H" IS LESS THAN 5 FOOT.
- CLASS SI CONCRETE OR PRECAST CONCRETE SHALL BE USED THROUGHOUT. PRECAST CONCRETE SHALL BE IN ACCORDANCE WITH ARTICLES 504.01 THRU 504.05 OF THE STANDARD SPECIFICATIONS EXCEPT THAT CONCRETE STRENGTH SHALL BE 4,000 psi AFTER 28 DAYS.
- CLASS SI CONCRETE OR PRECAST CONCRETE SHALL BE USED THROUGHOUT. THE CONTRACT UNIT PRICE EACH FOR INLET SPECIAL SHALL INCLUDE THE COST OF CONSTRUCTING THE INLET BOX, FURNISHING AND INSTALLING THE FRAME AND GRATE, THE STEPS (IF USED), THE PRECAST FLOOR SLABS, SAND CUSHION (WHEN USED) AND REINFORCEMENT BARS.

## DETAIL OF FRAME & GRATE



ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

MODEL: 102 112  
 I:\Projects\102 112\102 112.dwg  
 PLOT DATE: 10-13-11

REVISED - 1-05-16  
 REVISED - 6-27-14  
 REVISED - 10-13-11

REVISED - 1-05-16  
 REVISED - 7-16-15  
 REVISED - 10-13-11  
 REVISED -

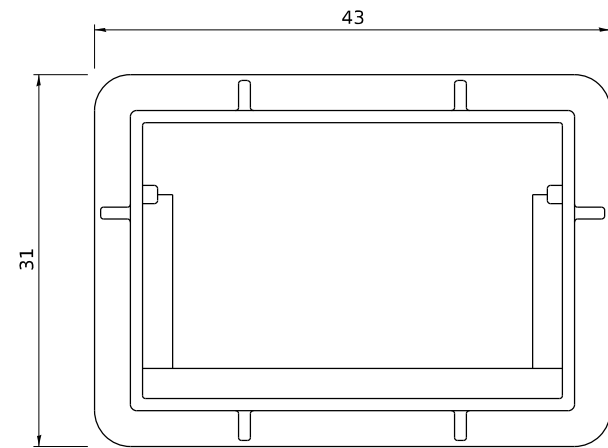
### REGION 2 / DISTRICT 2 STANDARD

SCALE: N/A SHEET 4 OF 23 SHEETS STA. TO STA.

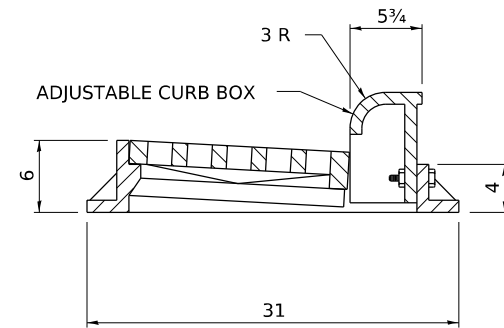
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	332
CONTRACT NO. 64L94				

ILLINOIS FED. AID PROJECT

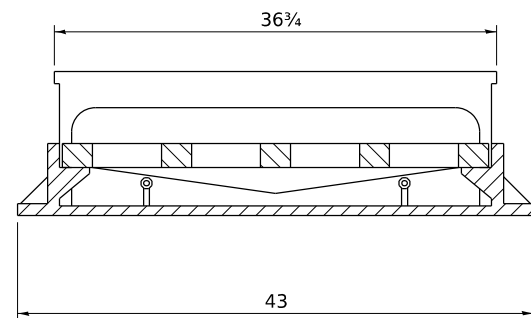
# FRAME AND GRATE FOR INLETS, SPECIAL



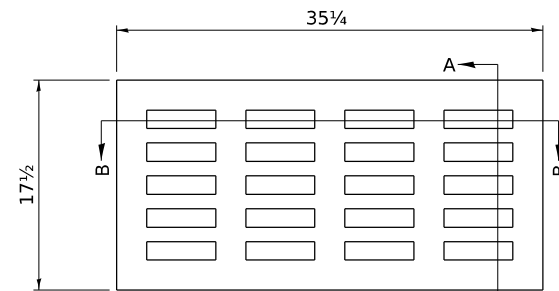
PLAN OF FRAME  
WITHOUT GRATE AND CURB BOX



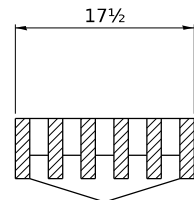
TRANSVERSE SECTION



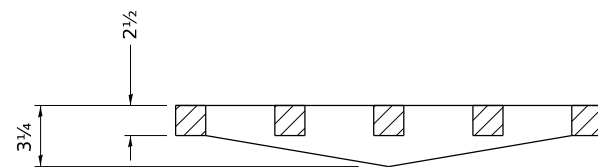
LONGITUDINAL SECTION



PLAN OF GRATE



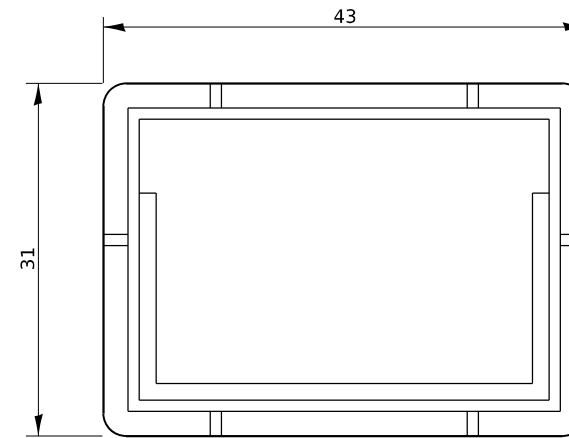
SECTION A-A



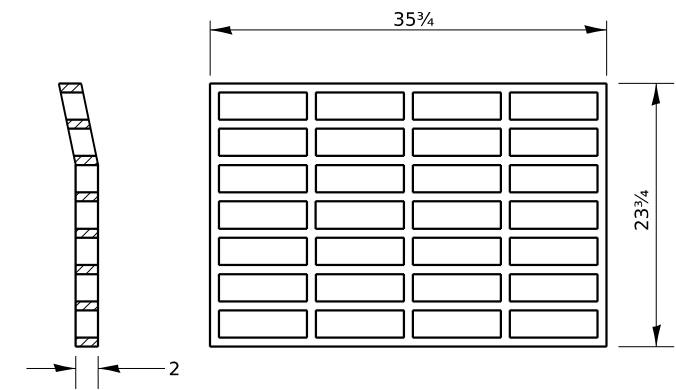
SECTION B-B

R 3246 OR EQUIVALENT  
APPROXIMATE WEIGHT - 495 LBS.

# FRAME AND GRATE FOR INLETS, SPECIAL

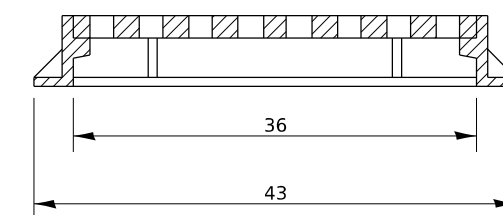


PLAN OF FRAME



PLAN OF GRATE \*

\* THIS GRATE TO BE USED WITHOUT CURB BOX WHEN INLET IS IN DRIVEWAY.



ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

R-3290-A OR EQUIVALENT  
APPROXIMATE WEIGHT OF CAST IRON FRAME & GRATE - 530 LBS.

MODEL: 13.2 Inlet S&I FG  
DATE: 10-13-11  
PLOT DATE: 3-22-2023

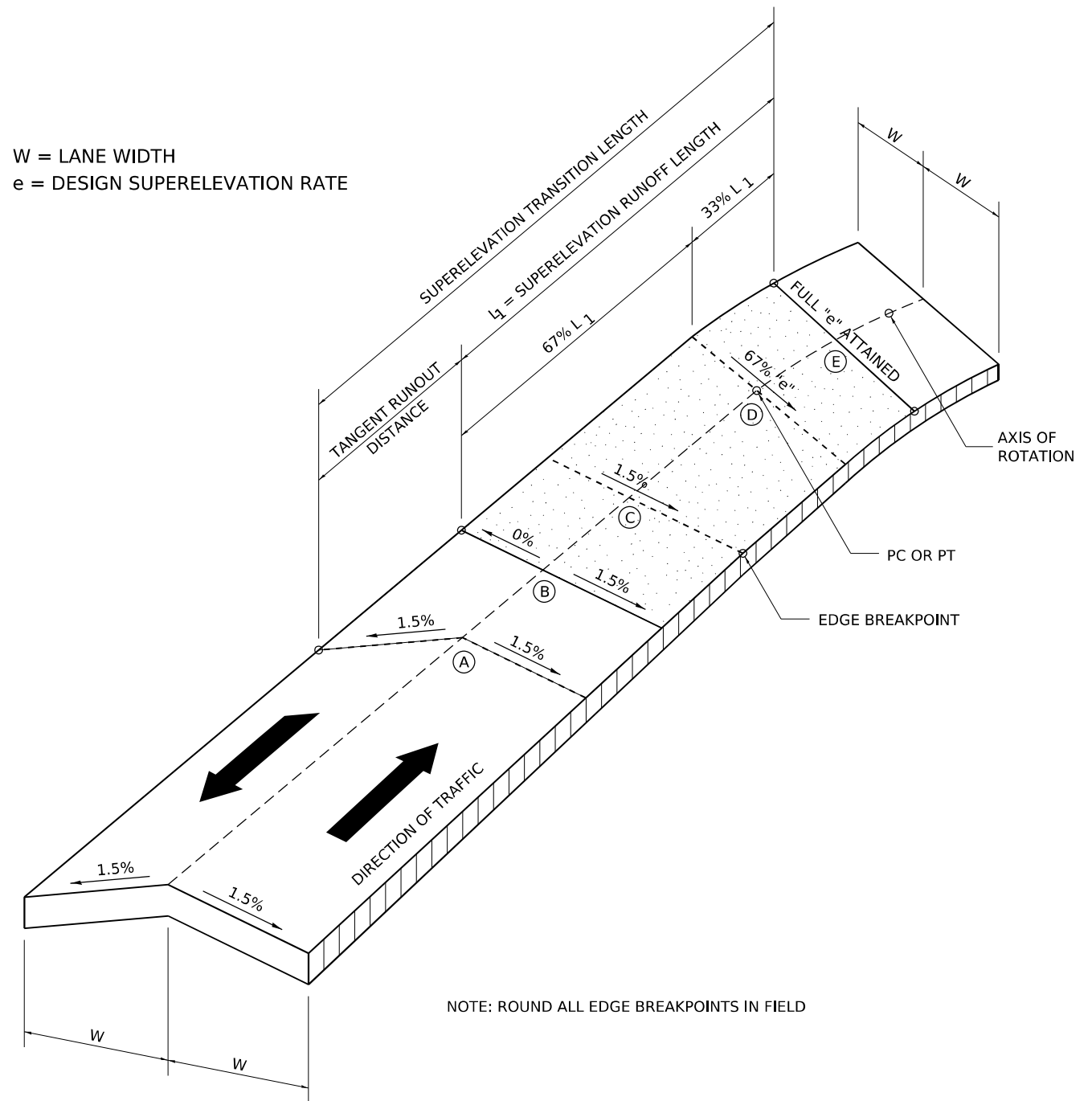
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 6-27-14  
REVISED - 10-13-11

REVISED - 4-14-15	REGION 2 / DISTRICT 2 STANDARD			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED - 6-27-14				611	104R	HENRY	426	333
REVISED - 10-14-11				CONTRACT NO. 64L94				
REVISED -				SCALE: N/A	SHEET 5 OF 23 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	

# SUPERELEVATION TRANSITION ON TWO-LANE HIGHWAY

W = LANE WIDTH  
e = DESIGN SUPERELEVATION RATE



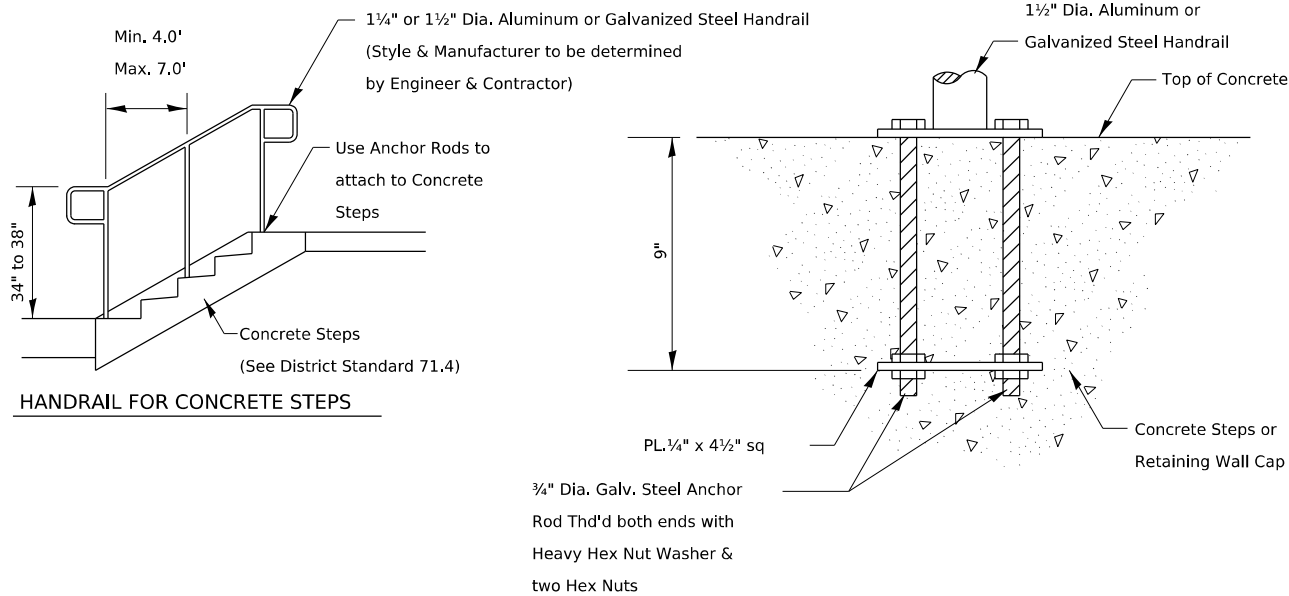
**TRANSITION CURVE TABLE**

CURVE PI STA.	SUPERELEVATION "e"	W	SUPERELEVATION TRANSITION LENGTH	TANGENT RUNOUT DISTANCE	SUPERELEVATION RUNOFF LENGTH
1307+70.06	3%	13.0'	114.0'	42.0'	72.0'

MODEL: 372 342  
 I:\Projects\1032\1032.MicroStation\CAD\_Sheets\02\_64L94\std.dgn  
 PLOT DATE: 3/22/2008

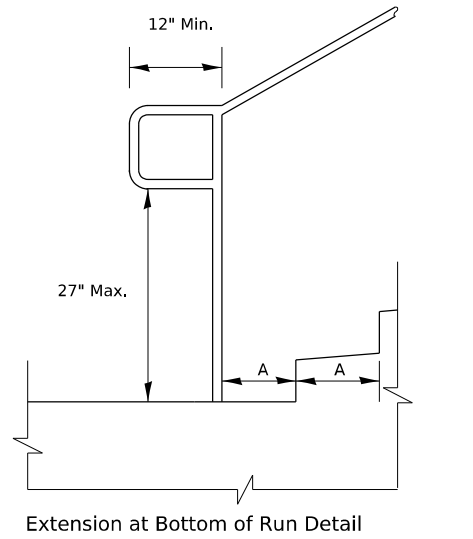
REVISED - 11-09-06	<b>REGION 2 / DISTRICT 2 STANDARD</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -		611	104R	HENRY	426	334
REVISED -		CONTRACT NO. 64L94				
REVISED -		ILLINOIS FED. AID PROJECT				

# PIPE HANDRAILS FOR STEPS

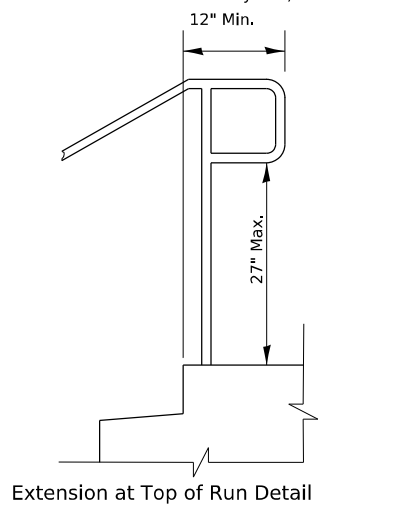


**HANDRAIL FOR CONCRETE STEPS**

**ANCHOR ROD DETAIL**  
(Included in the cost of Hand or Safety Rail)

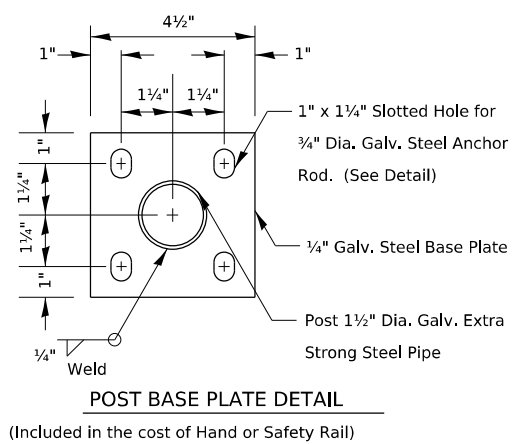


**Extension at Bottom of Run Detail**



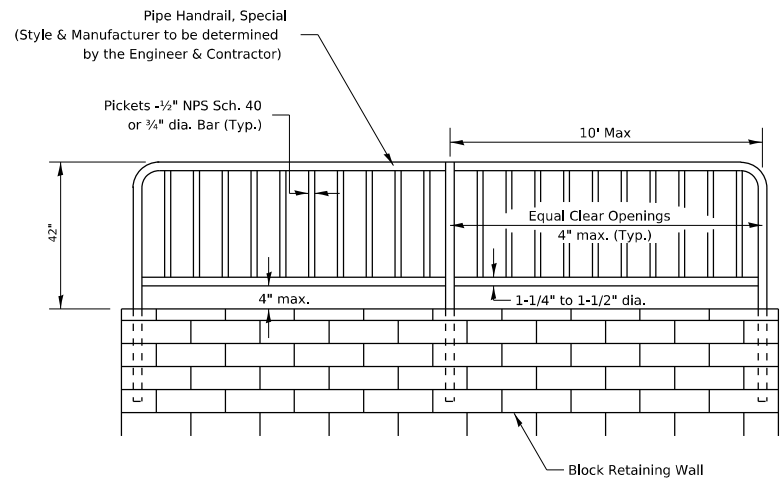
**Extension at Top of Run Detail**

- Notes:**
- Stairways shall have continuous handrails both sides of all stairs.
  - The inside handrail on switchback or dogleg stairs shall always be continuous.
  - Gripping surfaces shall be uninterrupted by newel posts, other construction elements, or obstructions.
  - Ends of handrail shall be either rounded or returned smoothly to floor, wall, or post.
  - Hand & safety rails shall not rotate within their fittings.
  - The clear space between handrails and any wall shall be 1 1/2"
  - Handrail shall conform to Section 509 with the exception that all pipe and connections shall be welded galvanized or aluminum according to Article 1006.30, or 1006.34.
  - The diameter of the gripping surface of the handrail shall be 1-1/4" to 1-1/2"
  - This work shall be paid for at the contract unit price per FOOT for PIPE HANDRAIL.



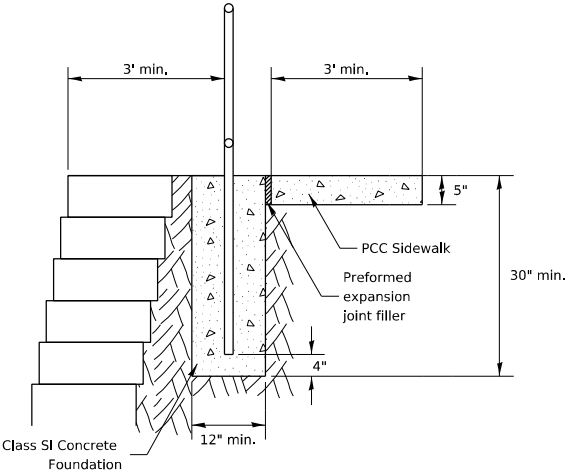
**POST BASE PLATE DETAIL**  
(Included in the cost of Hand or Safety Rail)

# PIPE HANDRAIL, SPECIAL – FOR RETAINING WALLS

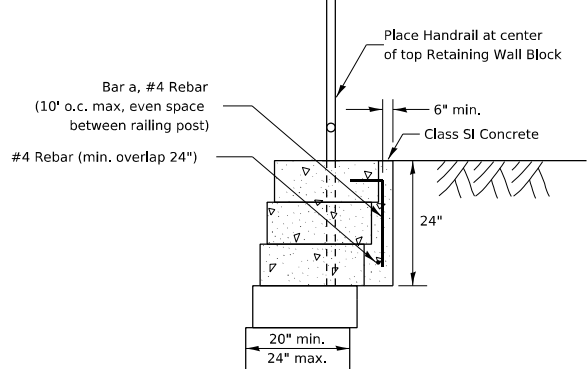


**PIPE HANDRAIL, SPECIAL - FOR RETAINING WALL**  
(See details for installation options)

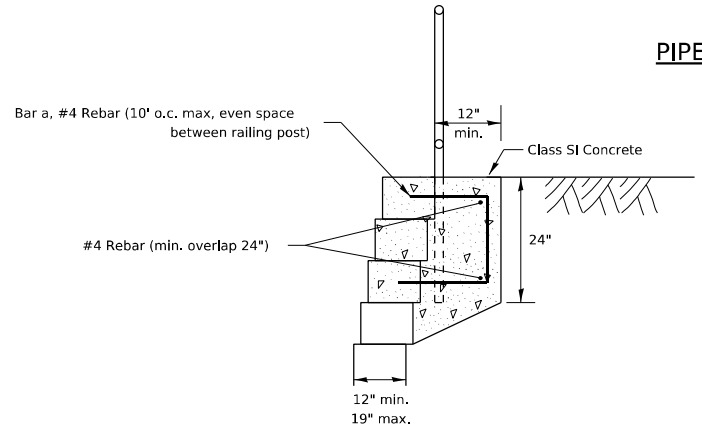
- Notes:**
- Gripping surfaces shall be uninterrupted by construction elements, or obstructions.
  - Ends of handrail shall be rounded.
  - Handrail shall not rotate within their fittings.
  - Handrail shall conform to Section 509 with the exception that all pipe and connections shall be welded galvanized or aluminum according to Article 1006.30, or 1006.34.
  - The diameter of the gripping surface of the handrail shall be 1-1/4" to 1-1/2"
  - Handrail required when wall height difference is 4' or greater
  - Drilling of blocks will be necessary for reinforcement placement.
  - This work shall consist of furnishing and erecting Handrails as listed above and according to this detail. This work shall be paid for at the contract UNIT price per FOOT for PIPE HANDRAIL, SPECIAL.



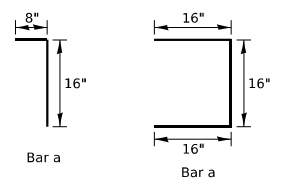
**PIPE HANDRAIL, SPECIAL - FOR RETAINING WALL**  
(Option 1)



**PIPE HANDRAIL, SPECIAL - FOR RETAINING WALL**  
(Option 2-Block depth greater than 20")



**PIPE HANDRAIL, SPECIAL - FOR RETAINING WALL**  
(Option 3 - Block depth 12" to 19")

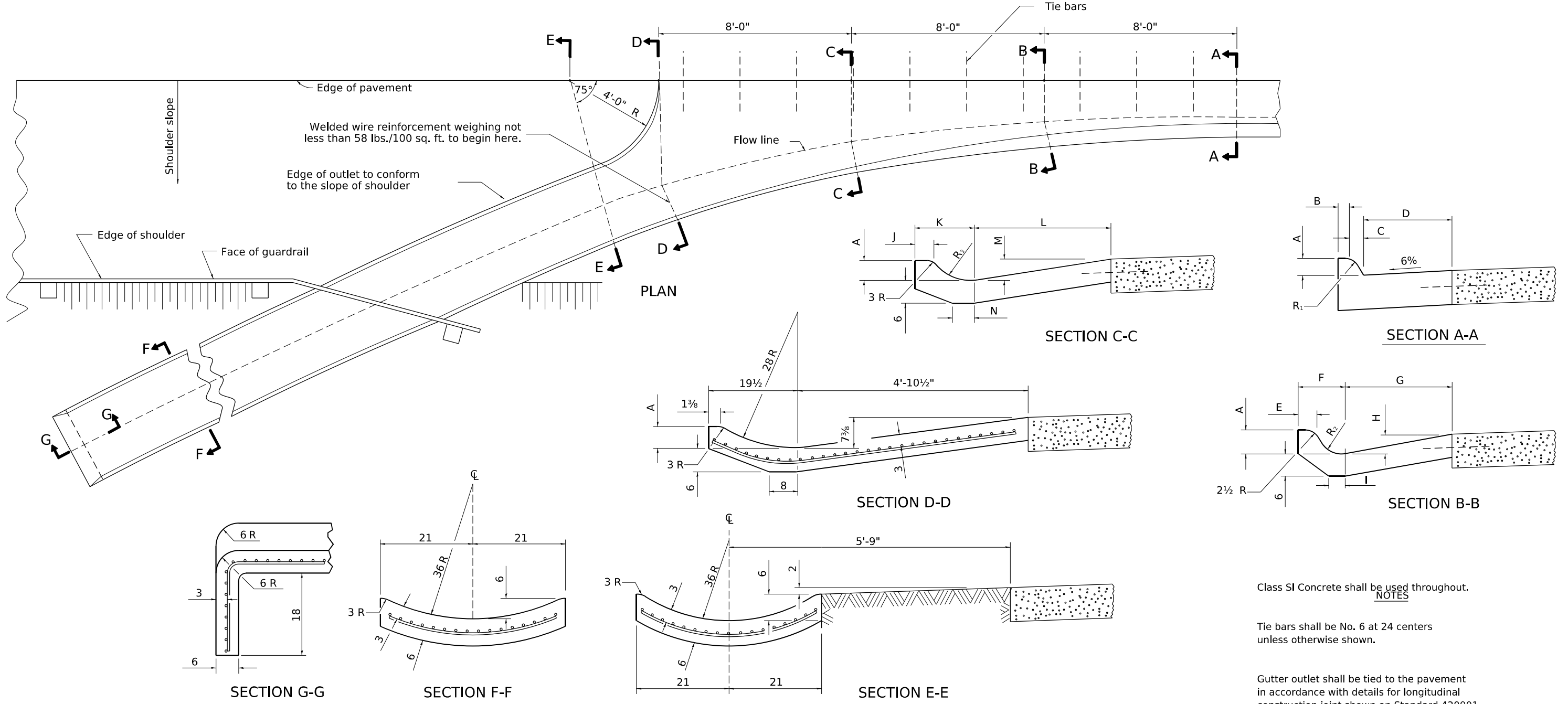


MODEL: 652 642  
 V:\03\01032.00\MicroStation\CAD\_Sheets\02\_64\_L64e-h-r02\_Standard.dgn  
 PLOT DATE: 3/22/2025

REVISED - 1-05-16  
 REVISED - 10-14-11

REVISED - 1-05-16	<b>REGION 2 / DISTRICT 2 STANDARD</b>		F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED - 12-03-14			611	104R	HENRY	426	335
REVISED - 2-01-10			CONTRACT NO. 64L94				
REVISED -			SCALE: N/A	SHEET 7 OF 23 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	

# STANDARD OUTLET FOR CURB & GUTTER



Class SI Concrete shall be used throughout.

**NOTES**

Tie bars shall be No. 6 at 24 centers unless otherwise shown.

Gutter outlet shall be tied to the pavement in accordance with details for longitudinal construction joint shown on Standard 420001.

If the average grade of pavement for the distance from Section A-A to D-D exceeds 2%, this distance shall be increased 6' for each 1% increase in grade.

When curb and gutter is constructed adjacent to flexible pavement, a 1 expansion joint shall be installed at construction joints.

All dimensions are in inches unless otherwise shown.

**QUANTITY**

For Section F-F = 0.069 cu. yds. concrete per ft.

TYPE OF CURB & GUTTER	TABLE OF DIMENSIONS															CONCRETE QUANTITY A-A TO E-E AND CURTAIN WALL FOR 9 PAV'T (CU YDS)	CONCRETE QUANTITY A-A TO E-E AND CURTAIN WALL FOR 10 PAV'T (CU YDS)			
	SECTION A-A				SECTION B-B					SECTION C-C								R <sub>1</sub>	R <sub>2</sub>	R <sub>3</sub>
	A	B	C	D	E	F	G	H	I	J	K	L	M	N						
B-6.12	6	6	1	12	3	7 <sup>7</sup> / <sub>8</sub>	13 <sup>3</sup> / <sub>4</sub>	2 <sup>3</sup> / <sub>4</sub>	4	3	12 <sup>7</sup> / <sub>8</sub>	26 <sup>1</sup> / <sub>2</sub>	5	6	1	2	8	1.87	1.89	
B-6.18	6	6	1	18	3 <sup>3</sup> / <sub>4</sub>	9 <sup>1</sup> / <sub>4</sub>	22	3	5	3 <sup>1</sup> / <sub>2</sub>	14 <sup>1</sup> / <sub>4</sub>	28 <sup>3</sup> / <sub>4</sub>	5 <sup>5</sup> / <sub>8</sub>	5 <sup>1</sup> / <sub>2</sub>	1	4	10	2.18	2.20	
M-4.06	4	3	4	6	3	9 <sup>1</sup> / <sub>2</sub>	10 <sup>1</sup> / <sub>2</sub>	2	4	3	13	25	3	6	3	5	11	1.78	1.79	
M-4.12	4	3	4	12	3 <sup>3</sup> / <sub>8</sub>	9 <sup>3</sup> / <sub>4</sub>	13 <sup>3</sup> / <sub>4</sub>	2 <sup>3</sup> / <sub>4</sub>	6	3	13 <sup>1</sup> / <sub>2</sub>	26 <sup>1</sup> / <sub>2</sub>	5	6	3	5	9	1.89	1.91	
M-4.18	4	3	4	18	3 <sup>1</sup> / <sub>2</sub>	9 <sup>1</sup> / <sub>4</sub>	22	3	5	3 <sup>1</sup> / <sub>2</sub>	14 <sup>1</sup> / <sub>4</sub>	28 <sup>3</sup> / <sub>4</sub>	5 <sup>5</sup> / <sub>8</sub>	5 <sup>1</sup> / <sub>2</sub>	3	4	10	2.11	2.13	
M-4.24	4	3	4	24	5	11 <sup>1</sup> / <sub>2</sub>	26	3 <sup>3</sup> / <sub>8</sub>	4	3 <sup>3</sup> / <sub>4</sub>	15	38	5 <sup>5</sup> / <sub>8</sub>	5	3	6	12	2.34	2.37	
M-6.06	6	2	6	6	2 <sup>1</sup> / <sub>4</sub>	9 <sup>3</sup> / <sub>4</sub>	10 <sup>1</sup> / <sub>2</sub>	2	4	2 <sup>1</sup> / <sub>2</sub>	13	25	3	6	2	5	10	1.84	1.86	
M-6.12	6	2	6	12	3 <sup>1</sup> / <sub>2</sub>	8 <sup>1</sup> / <sub>8</sub>	13 <sup>3</sup> / <sub>4</sub>	2 <sup>1</sup> / <sub>4</sub>	6	3	13 <sup>1</sup> / <sub>2</sub>	26 <sup>1</sup> / <sub>2</sub>	5	6	2	2	9	1.96	1.98	
M-6.18	6	2	6	18	3 <sup>1</sup> / <sub>2</sub>	9 <sup>1</sup> / <sub>8</sub>	22	3	5	3 <sup>1</sup> / <sub>2</sub>	14 <sup>1</sup> / <sub>4</sub>	28 <sup>3</sup> / <sub>4</sub>	5 <sup>5</sup> / <sub>8</sub>	5 <sup>1</sup> / <sub>2</sub>	2	4	10	2.18	2.20	
M-6.24	6	2	6	24	5 <sup>1</sup> / <sub>8</sub>	11	26	3 <sup>3</sup> / <sub>8</sub>	4	3 <sup>3</sup> / <sub>4</sub>	17 <sup>1</sup> / <sub>4</sub>	38	5 <sup>5</sup> / <sub>8</sub>	5	2	3 <sup>1</sup> / <sub>4</sub>	16	2.46	2.49	

MODEL: Default  
FILE NAME: V:\20001032\01MicroStation\CAD\_Sheets\02\_64L94-shd-D2\_Standards.dgn

USER NAME = Pat.J.Pausser	DESIGNED -	REVISED - 1-05-16
	DRAWN -	REVISED - 11-12-14
PLOT SCALE = 0.0833" / in.	CHECKED -	REVISED -
PLOT DATE = 1/26/2026	DATE -	REVISED -

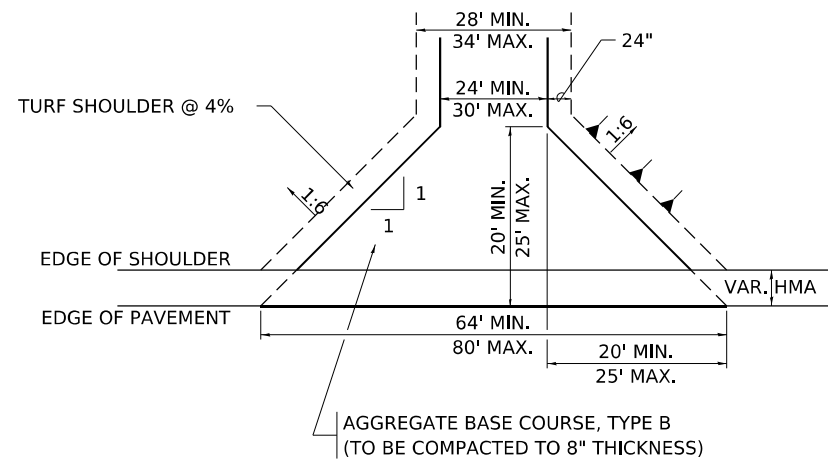
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

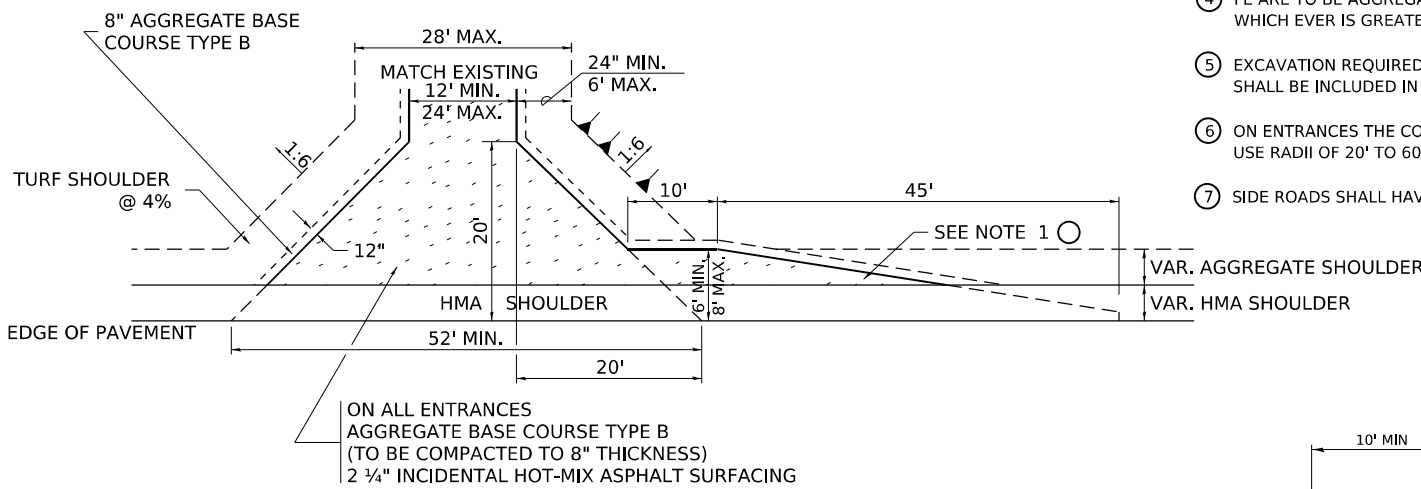
SCALE: N/A SHEET 8 OF 23 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	336
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				

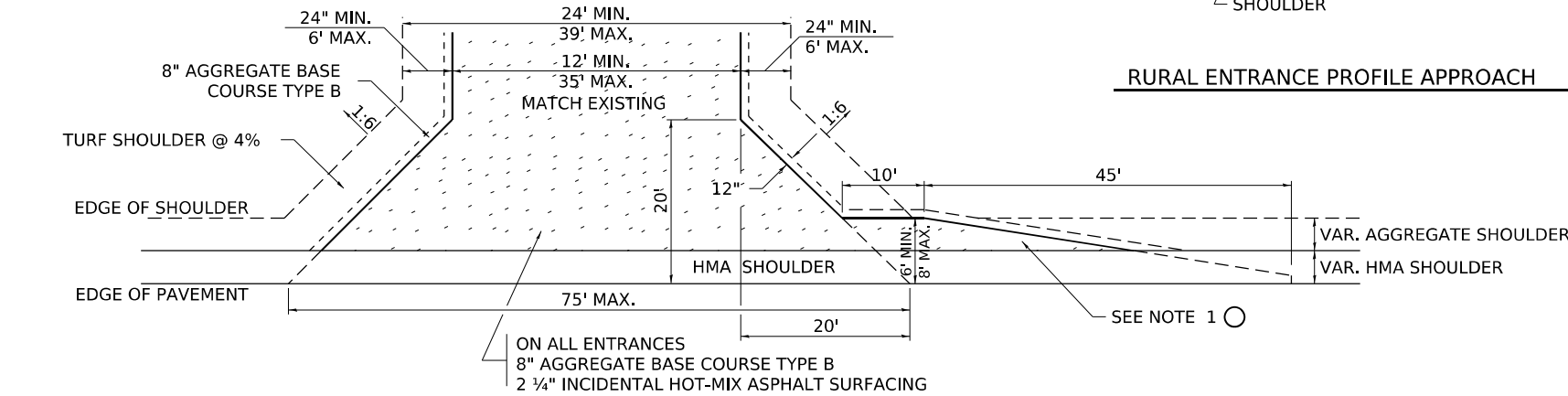
# HOT-MIX ASPHALT APPROACHES AND MAILBOX RETURNS



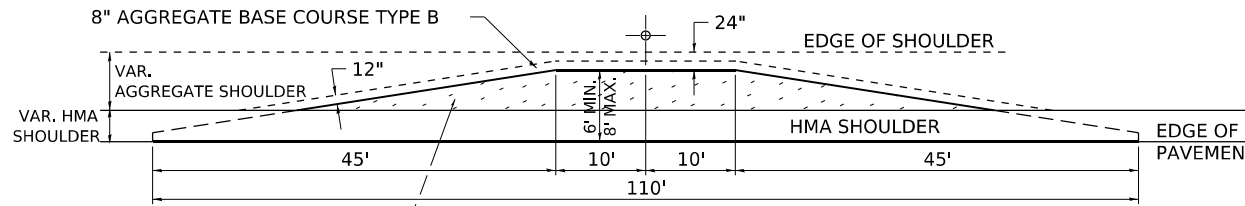
**FIELD ENTRANCE**



**PRIVATE ENTRANCE**



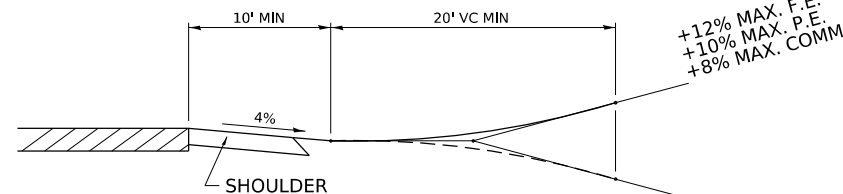
**COMMERCIAL ENTRANCE**



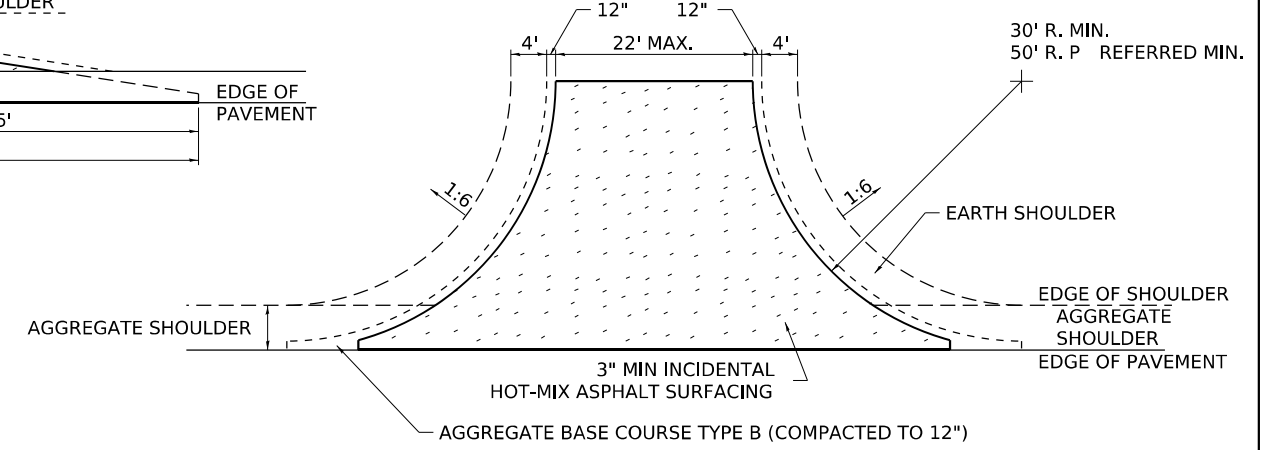
**MAILBOX TURNOUT**

**NOTE**

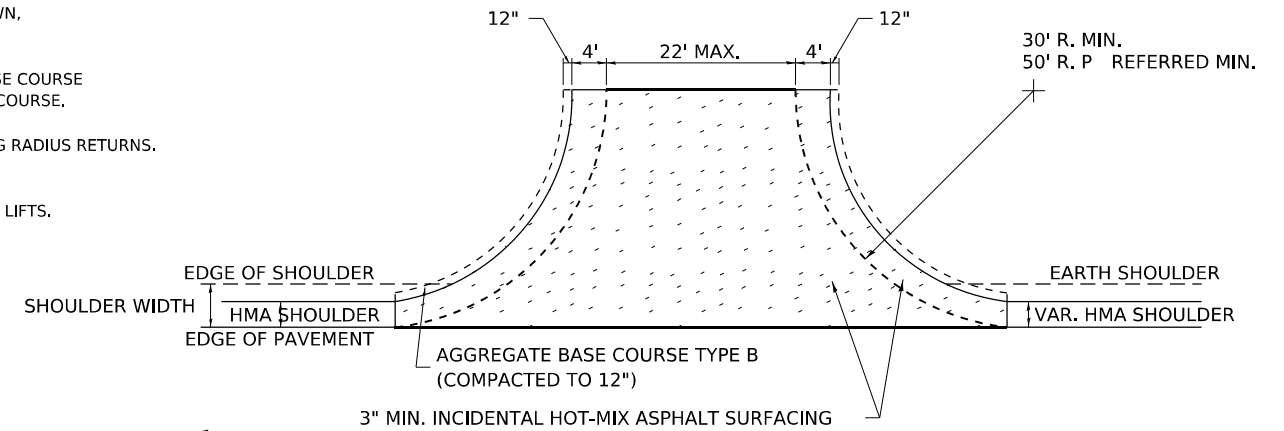
- ① TURNOUTS ARE TO BE CONSTRUCTED ON THE APPROACH SIDE OF ALL PE & CE REGARDLESS IF A MAILBOX IS PRESENT.
- ② ALL PE & CE ARE TO BE SURFACED TO RIGHT OF WAY LINE. AREA BEHIND RIGHT OF WAY SHALL MATCH EXISTING SURFACE.
- ③ ALL PE & CE TO BE CONSTRUCTED WITH AN 8" AGGREGATE BASE COURSE, TYPE B AND WITH A 2 3/4" INCIDENTAL HOT-MIX ASPHALT SURFACING, UNLESS OTHERWISE NOTED.
- ④ FE ARE TO BE AGGREGATE TO RIGHT OF WAY OR TOUCH DOWN, WHICH EVER IS GREATEST.
- ⑤ EXCAVATION REQUIRED FOR PLACEMENT OF AGGREGATE BASE COURSE SHALL BE INCLUDED IN THE COST OF THE AGGREGATE BASE COURSE.
- ⑥ ON ENTRANCES THE CONTRACTOR HAS THE OPTION OF USING RADIUS RETURNS. USE RADII OF 20' TO 60'.
- ⑦ SIDE ROADS SHALL HAVE 3" INCIDENTAL PLACED IN TWO 1 1/2" LIFTS.



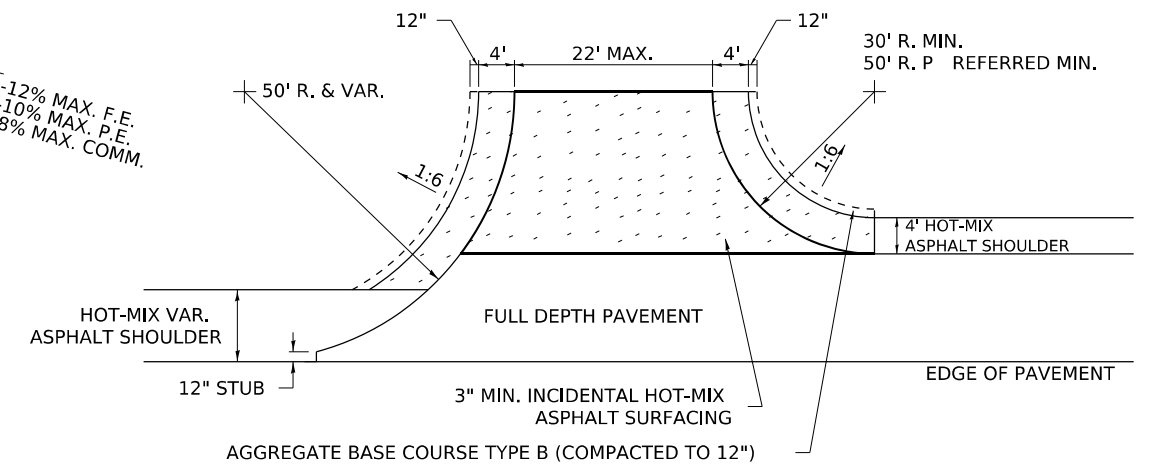
**RURAL ENTRANCE PROFILE APPROACH**



**SIDE ROAD RETURN/EARTH SHOULDER**



**SIDE ROAD RETURN/HMA SHOULDER**



**SIDE ROAD RETURN WITH RIGHT TURN LANE**

MODEL: Default  
FILE NAME: V:\20001032\00MicroStation\CAD\_Sheets\02\_64L94-sh1-D2\_Standards.dgn

USER NAME = Pat.J.Pausor	DESIGNED -	REVISED - 8-03-17
PLOT SCALE = 0.0833" / in.	DRAWN -	REVISED - 1-13-17
PLOT DATE = 1/26/2026	CHECKED -	REVISED - 6-27-14
	DATE -	REVISED - 8-27-13

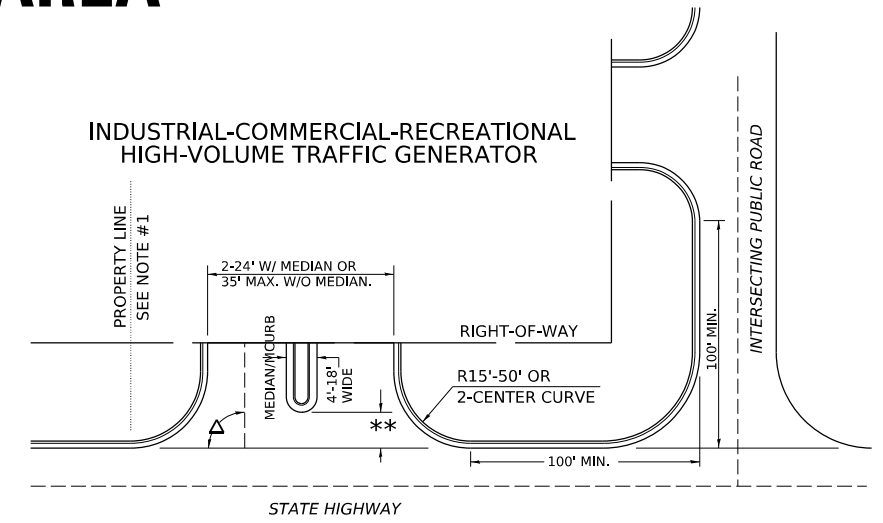
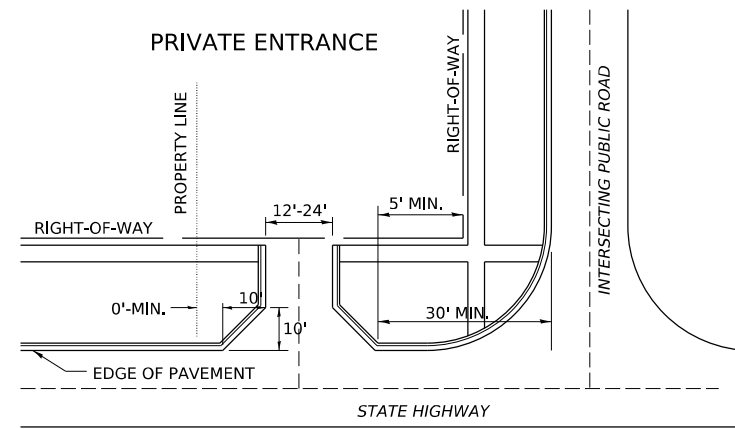
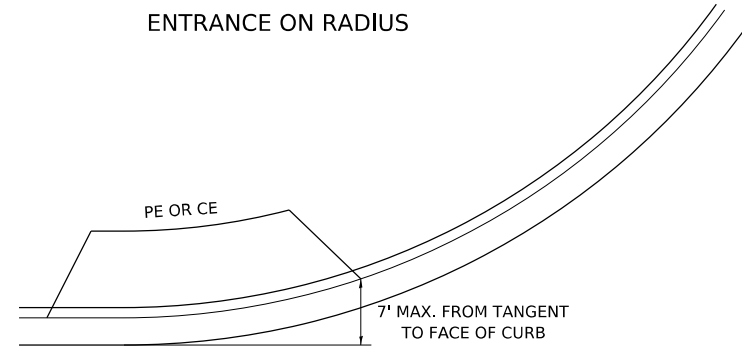
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REGION 2 / DISTRICT 2 STANDARD**

SCALE: N/A SHEET 9 OF 23 SHEETS STA. TO STA.

F.A.P. RTE. 611	SECTION 104R	COUNTY HENRY	TOTAL SHEETS 426	SHEET NO. 337
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				

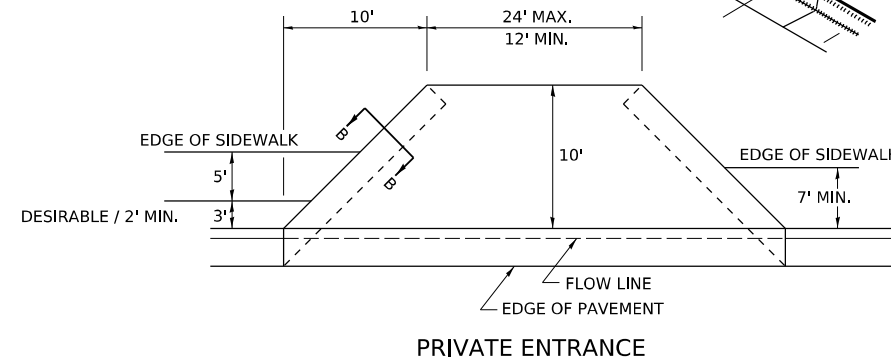
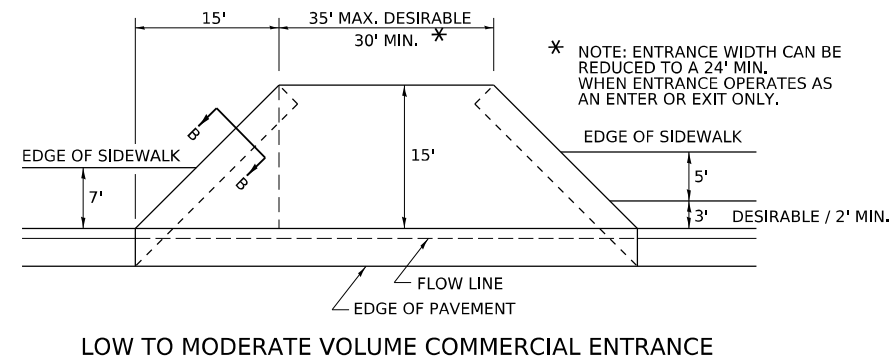
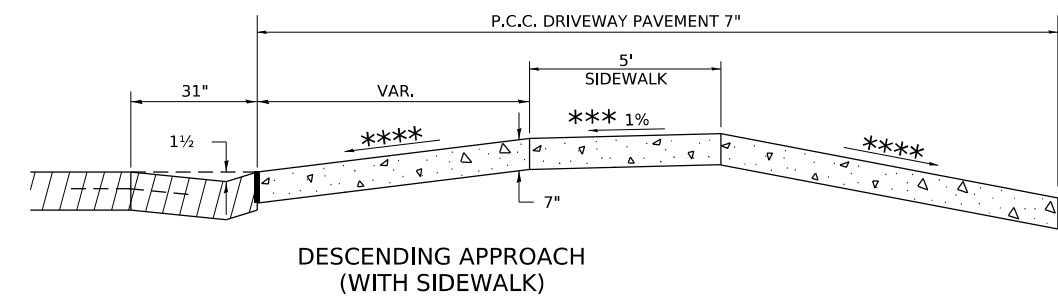
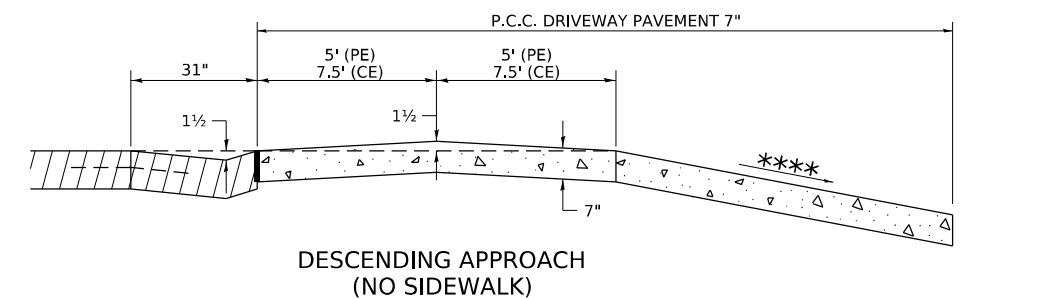
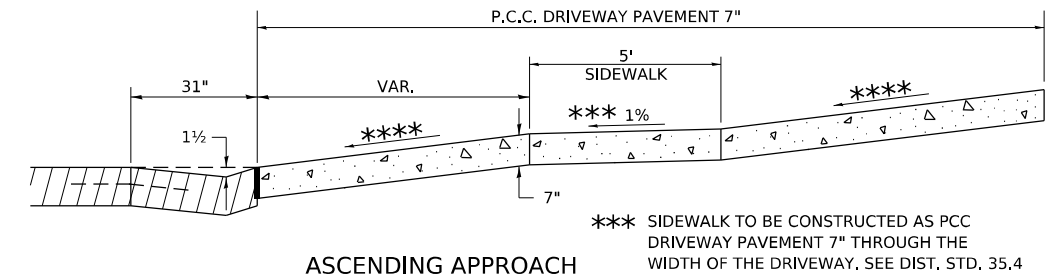
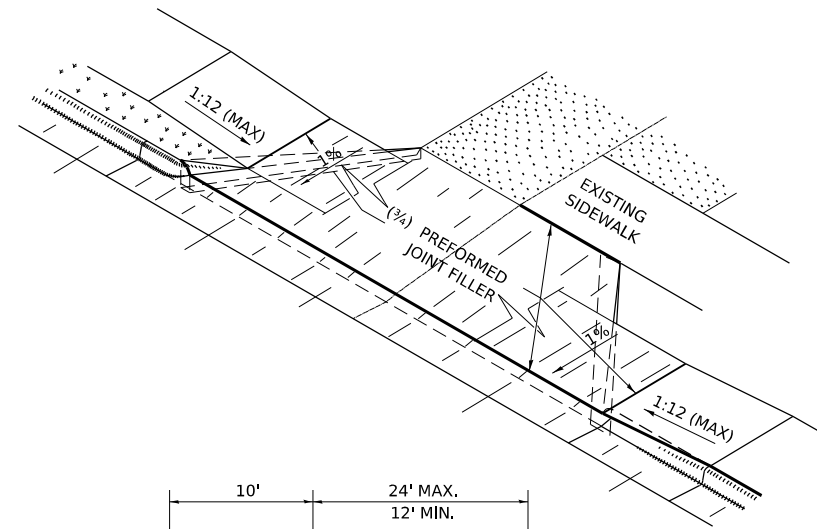
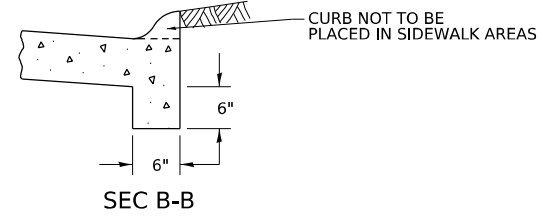
# ENTRANCE APPROACHES – URBAN AREA



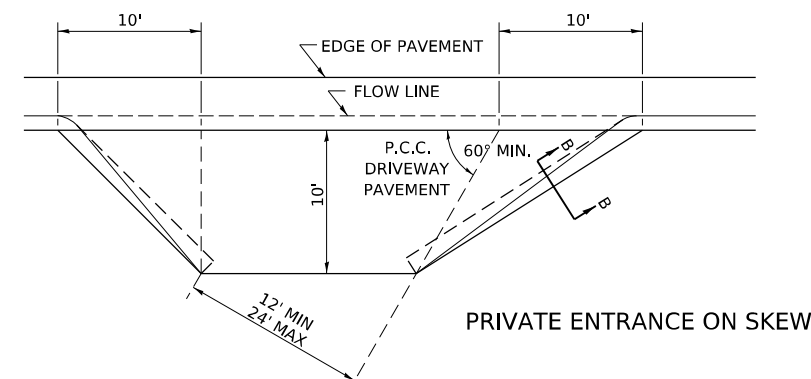
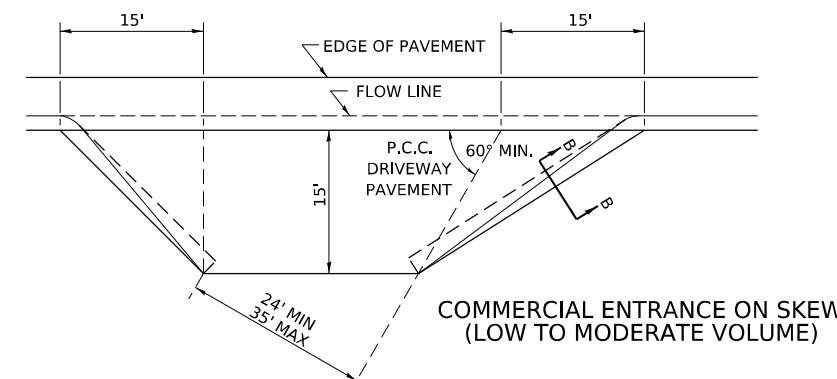
A MINIMUM OF 440 FEET SHALL BE MAINTAINED BETWEEN CENTER LINES OF ADJACENT DRIVEWAYS.  
 $\Delta 90^\circ$  DESIRABLE.  $45^\circ$  MIN. ANGLE PERMITTED ONLY FOR ONE-WAY DRIVEWAYS.  
 $60^\circ$  MIN. ANGLE FOR TWO-WAY DRIVEWAYS.

NOTE: #1 ENCROACHMENT ON THE ADJACENT PROPERTY OWNER LAND REQUIRES HIS OR HER WRITTEN APPROVAL.

\*\* 4'-10' IF HIGHWAY CURBED.  
 AT EDGE OF SHOULDER IF HIGHWAY UNCURBED.



NOTE: CURVED ENTRANCE RETURNS MAY BE USED FOR LOW TO MODERATE VOLUME LOCATIONS WITH REVIEW ON A CASE-BY-CASE BASIS.



MODEL: Default  
 FILE NAME: V:\20001032\01MicroStation\CAD\_Sheets\02\_64L94-sh1-D2\_Standards.dgn

USER NAME = Pat.J.Pausor	DESIGNED -	REVISED - 7-19-18
PLOT SCALE = 0.0833" / in.	DRAWN -	REVISED - 1-03-18
PLOT DATE = 1/26/2026	CHECKED -	REVISED - 6-27-14
	DATE -	REVISED - 12-07-10

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

SCALE: N/A SHEET 10 OF 23 SHEETS STA. TO STA.

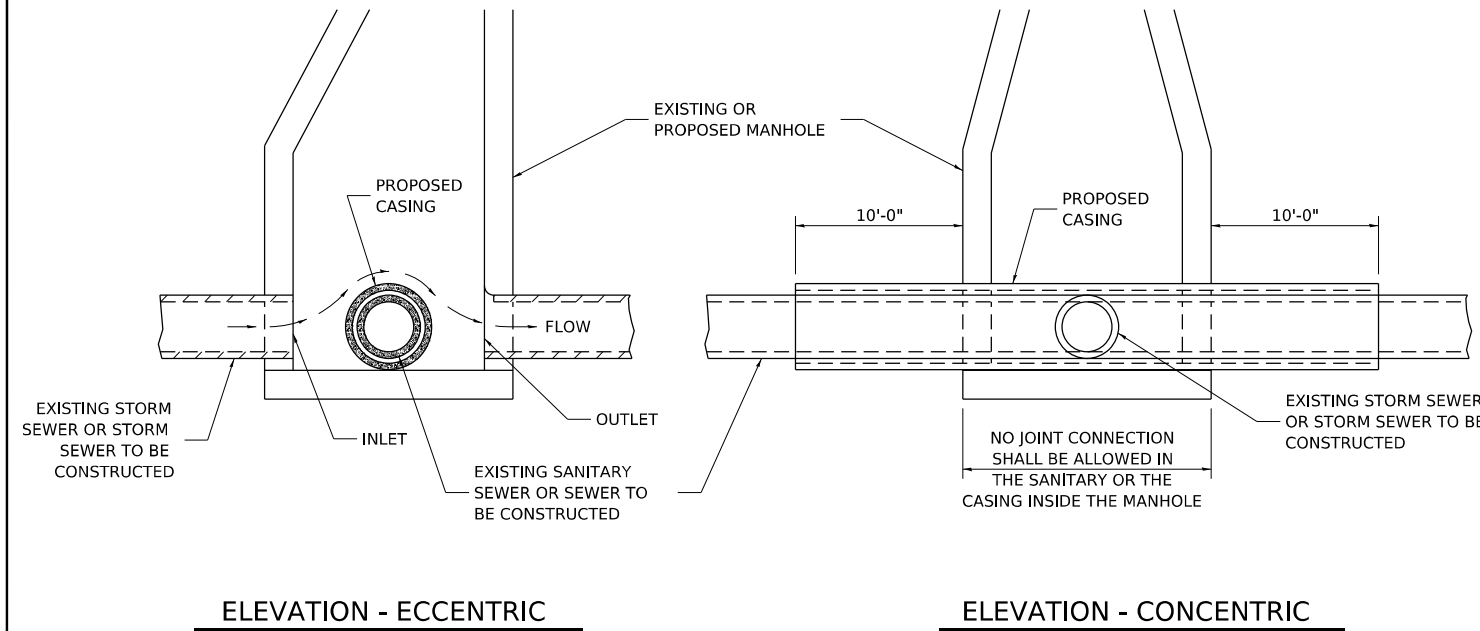
F.A.P. RTE. 611	SECTION 104R	COUNTY HENRY	TOTAL SHEETS 426	SHEET NO. 338
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				

# SEWER AND WATER MAIN CROSSINGS

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

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

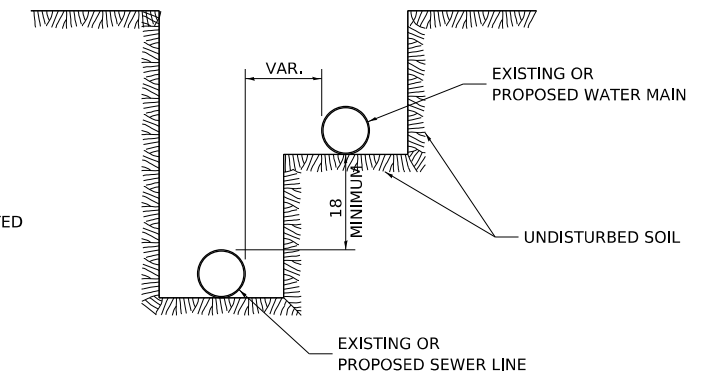
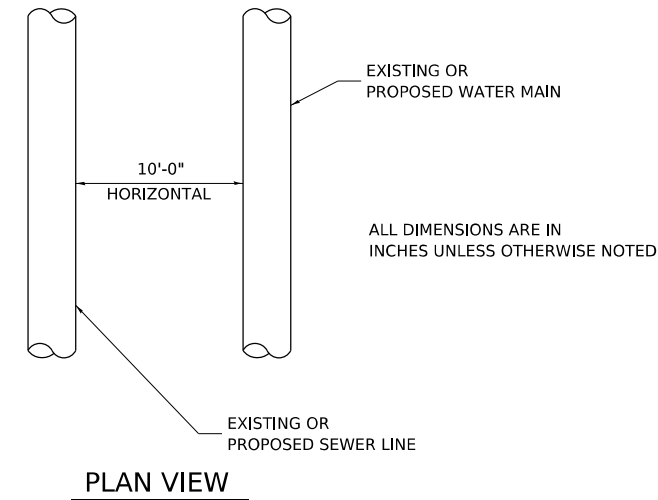
WHEN PROPOSED SEWER (OR WATER) IS LOCATED LESS THAN 10'-0" FROM EXISTING WATER (OR SEWER) DETAILS BELOW SHALL APPLY.



**AT GRADE CROSSING OF SANITARY AND STORM SEWER**

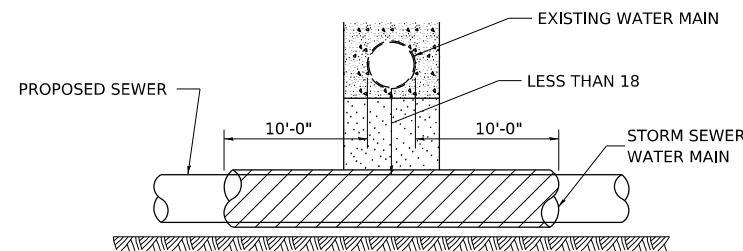
CASING SHALL BE CAST IRON WITH AN INSIDE DIAMETER 2" LARGER IN DIAMETER THAN ENCASED PIPE OUTSIDE DIAMETER WITH BOTH ENDS OF CASING SEALED

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

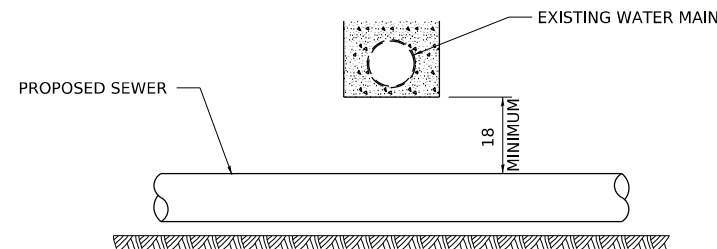


**WATER AND SEWER HORIZONTAL SEPARATION REQUIREMENTS**

POINT LOADS SHALL NOT BE ALLOWED BETWEEN SEWER OR SEWER CASING AND WATER MAIN  
PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH



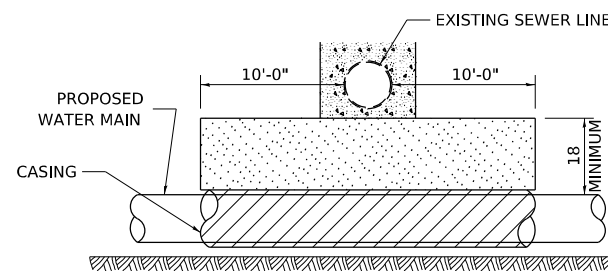
PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH  
MAINTAIN 18 MINIMUM VERTICAL SEPARATION FOR 10 FT. HORIZONTALLY



ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

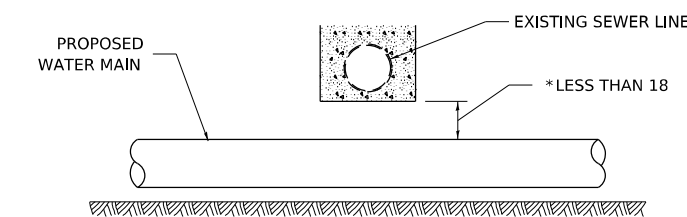
**PROPOSED SEWER LINE BELOW EXISTING WATER MAIN**

PROVIDE ADEQUATE SUPPORT FOR EXISTING SEWER LINE TO PREVENT DAMAGE DUE TO SETTLEMENT  
PLACE TRENCH BACKFILL FOR 10 FT. ON EITHER SIDE OF SEWER LINE



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

PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH  
MAINTAIN 18 MINIMUM VERTICAL SEPARATION FOR 10 FT. HORIZONTALLY

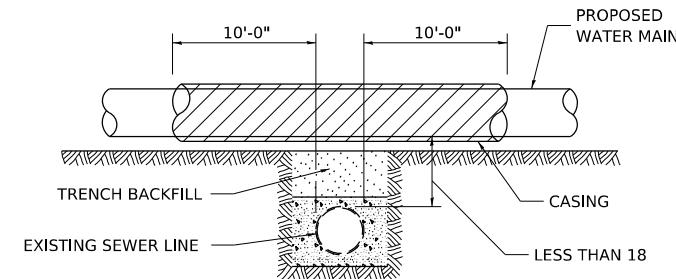


\* NOT ALLOWED  
MUST MAINTAIN 18 VERTICAL SEPARATION

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

**PROPOSED WATER MAIN BELOW EXISTING SEWER LINE**

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

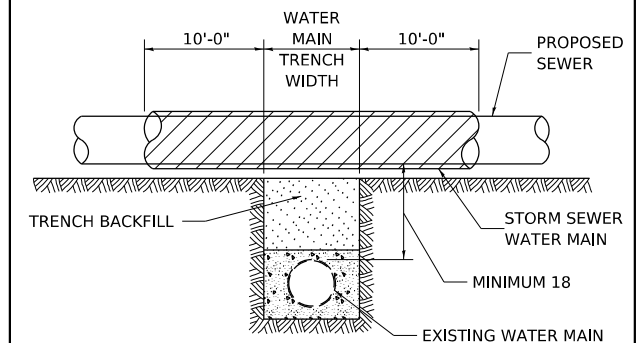


CASING SHALL BE CAST IRON WITH AN INSIDE DIAMETER 2" LARGER IN DIAMETER THAN ENCASED PIPE OUTSIDE DIAMETER WITH BOTH ENDS OF CASING SEALED

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

**PROPOSED WATER MAIN ABOVE EXISTING SEWER LINE**

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



ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

**EXISTING WATER MAIN BELOW PROPOSED SEWER LINE WITH MINIMUM 18 VERTICAL SEPARATION**

MODEL: Default  
FILE NAME: V:\20001032.00\MicroStation\CAD\_Sheets\02\_64L94-sh+D2\_Standards.dgn

USER NAME = Pat.J.Pausar	DESIGNED -	REVISED - 10-17-11
	DRAWN -	REVISED -
PLOT SCALE = 0.0833"/in.	CHECKED -	REVISED -
PLOT DATE = 1/26/2026	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

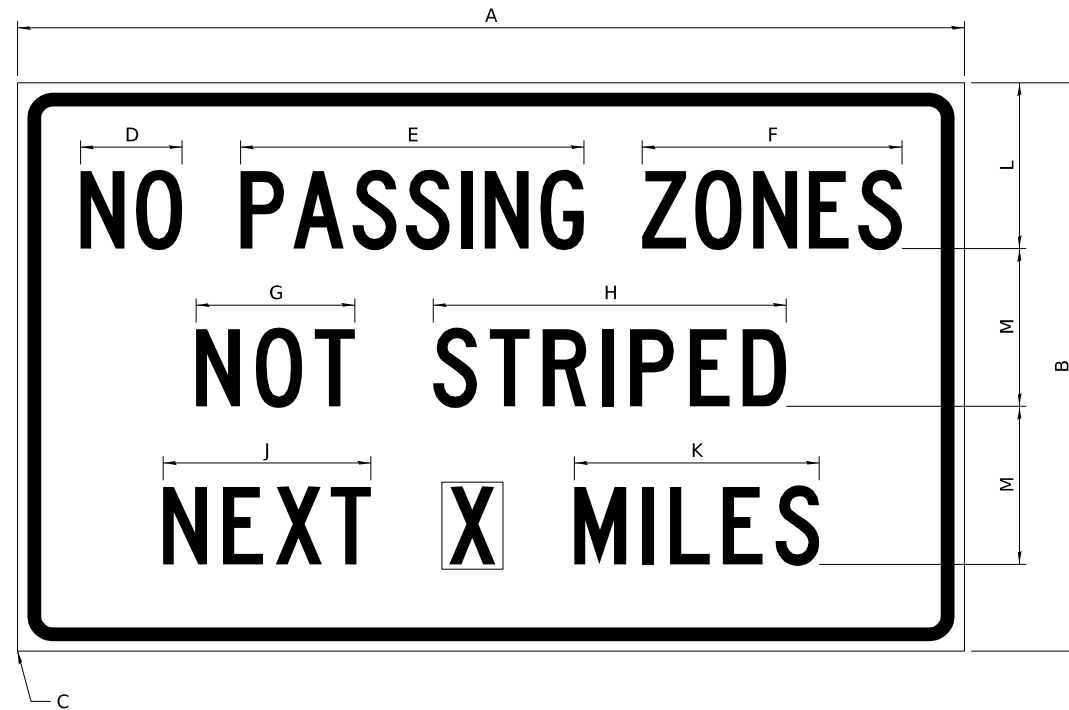
REGION 2 / DISTRICT 2 STANDARD

SCALE: N/A SHEET 11 OF 23 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	339
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				

# WORK ZONE SIGN DETAILS

**ILLINOIS STANDARD G20-I100(F0)**



COLOR    LEGEND AND BORDER BACKGROUND    BLACK ORANGE    NON-REFLECTORIZED REFLECTORIZED

SIGN SIZE	DIMENSIONS											
	A	B	C	D	E	F	G	H	J	K	L	M
60 x 36	60.00	36.00	2.25	6.4	21.80	16.40	10.00	22.40	13.20	15.50	10.50	10.00

SIGN SIZE	SERIES BY LINE			MARGIN	BORDER
	1	2	3		
60 x 36	5C	5C	5C	0.625	0.875

Sign not to scale

**GENERAL NOTES**

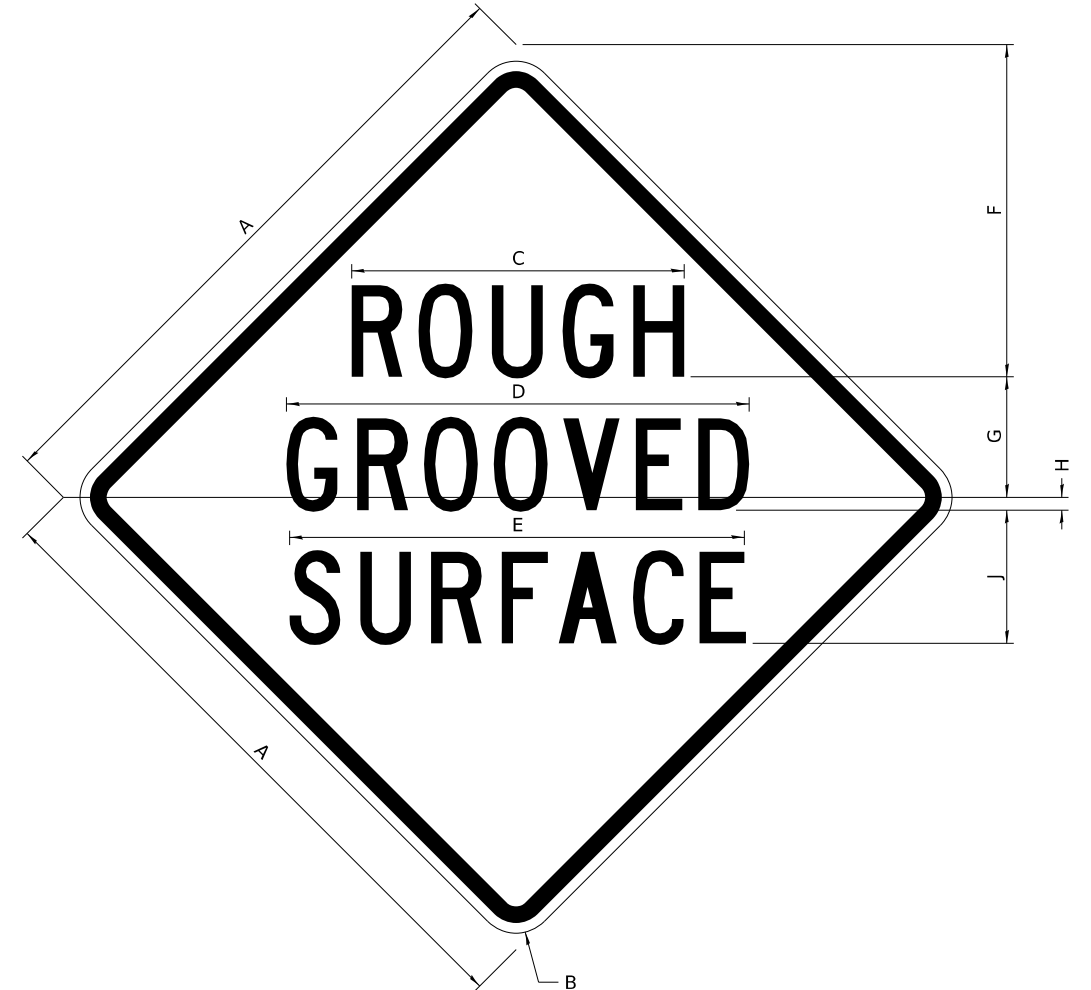
All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

**ILLINOIS STANDARD W8-I107**



COLOR    LEGEND AND BORDER BACKGROUND    BLACK ORANGE    NON-REFLECTORIZED REFLECTORIZED

SIGN SIZE	DIMENSIONS								
	A	B	C	D	E	F	G	H	J
48 x 48	48.00	3.00	25.00	34.80	34.20	24.94	9.00	1.00	10.00

SIGN SIZE	SERIES BY LINE			MARGIN	BORDER
	1	2	3		
48 x 48	7C	7C	7C	1.250	0.750

Sign not to scale

MODEL: Default  
FILE NAME: V:\20001032\01\MicroStation\CAD\_Sheets\ID2\_64L94-sh1-D2\_Standards.dgn

USER NAME = Pat.J.Pausar	DESIGNED -	REVISED - 5-22-25
	DRAWN -	REVISED - 3-02-16
PLOT SCALE = 0.0833" / in.	CHECKED -	REVISED -
PLOT DATE = 1/26/2026	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

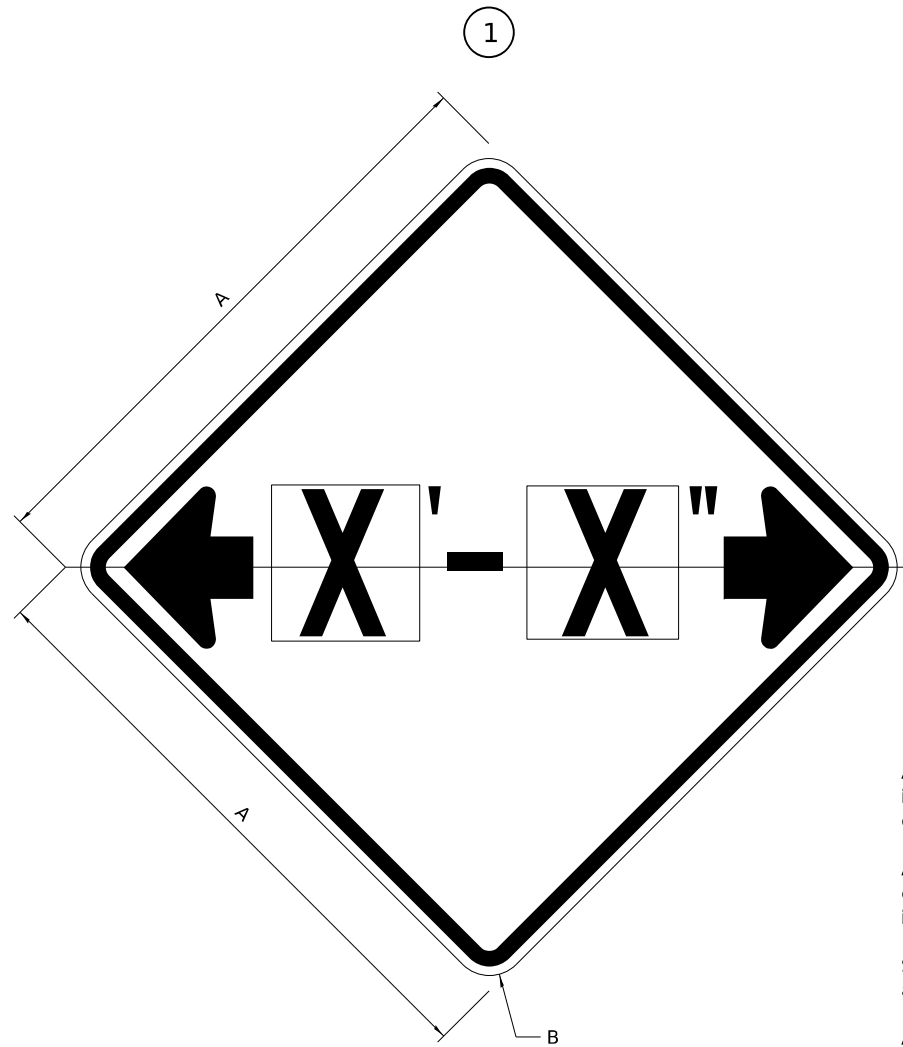
**REGION 2 / DISTRICT 2 STANDARD**

SCALE: N/A    SHEET 12 OF 23 SHEETS    STA.    TO STA.

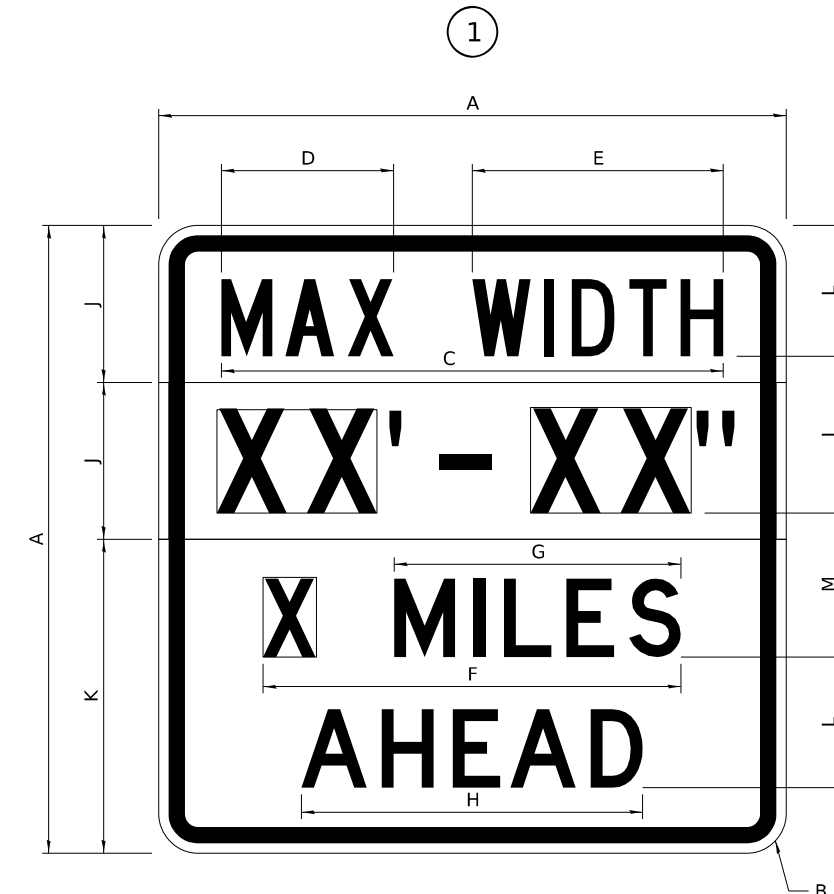
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	340
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				

# WORK ZONE SIGN DETAILS

## ILLINOIS STANDARD W12-I102



## ILLINOIS STANDARD W12-I103



### GENERAL NOTES

All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

COLOR LEGEND AND BORDER BACKGROUND BLACK FL ORANGE NON-REFLECTORIZED REFLECTORIZED

SIGN SIZE	DIMENSIONS	
	A	B
48 x 48	48.00	3.00

① Illinois Standard signs W12-I102 and W12-I103 shall be used as described in the special provisions.

SIGN SIZE	SERIES BY LINE	MARGIN	BORDER
	1		
48 x 48	12C	0.750	1.250

Sign not to scale

COLOR LEGEND AND BORDER BACKGROUND (WIDTH) BLACK WHITE FL ORANGE NON-REFLECTORIZED REFLECTORIZED REFLECTORIZED

SIGN SIZE	DIMENSIONS											
	A	B	C	D	E	F	G	H	J	K	L	M
48 x 48	48.00	3.00	38.40	13.20	19.20	32.00	22.00	26.20	12.00	24.00	10.00	11.00

SIGN SIZE	SERIES BY LINE				MARGIN	BORDER
	1	2	3	4		
48 x 48	6C	8D	6D	6D	0.750	1.250

Sign not to scale

XX'-XX" WIDTH AND X MILES ARE VARIABLE TOP AND BOTTOM OF BACKGROUND WHITE

MODEL: Default  
FILE NAME: V:\20001032.00\MicroStation\CAD\_Sheets\02\_64L94-sh1-D2\_Standards.dgn

USER NAME = Pat.J.Pauser	DESIGNED -	REVISED - 3-02-16
PLOT SCALE = 0.0833" / in.	DRAWN -	REVISED -
PLOT DATE = 1/26/2026	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

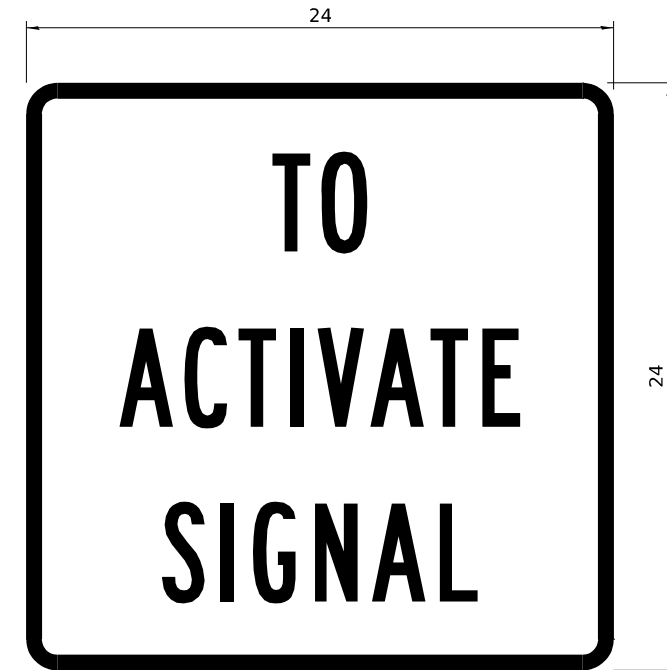
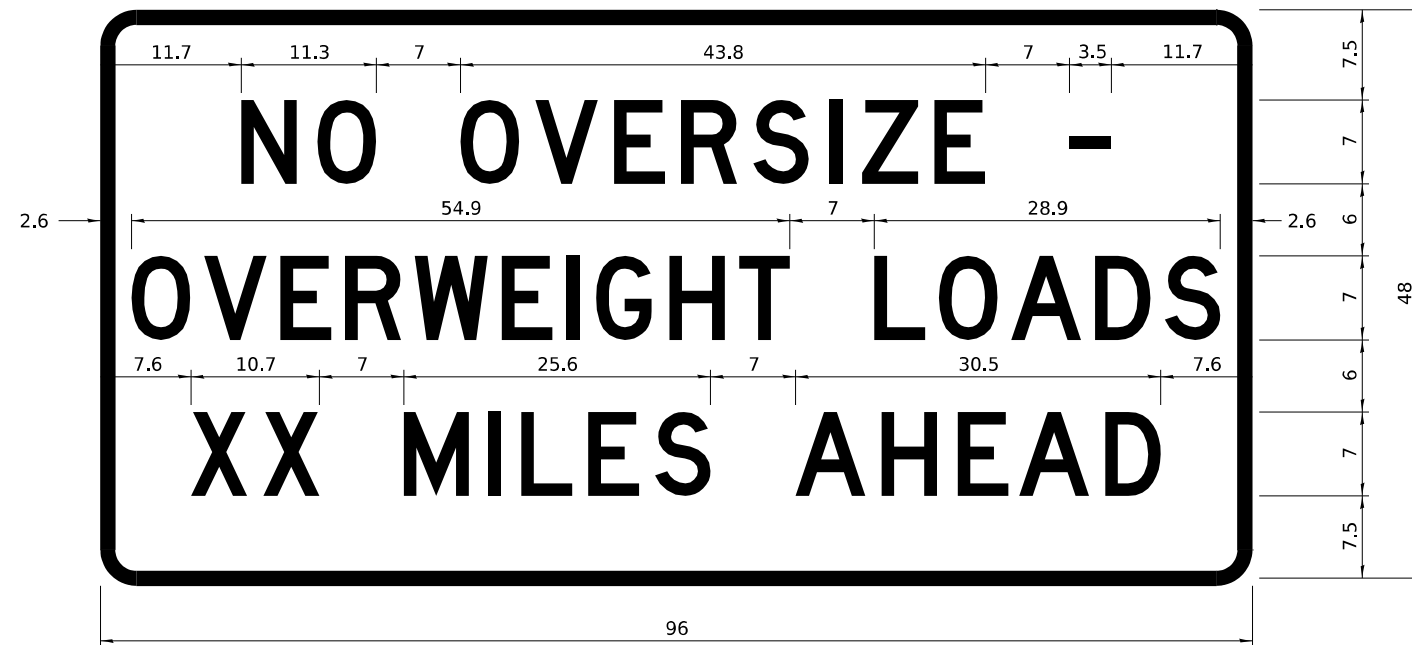
SCALE: N/A SHEET 13 OF 23 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	341
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				

# WORK ZONE SIGN DETAILS

## ROAD CLOSED TO OVERSIZED LOADS

## STOP LINE SIGN FOR TEMPORARY SIGNALS



COLOR	LEGEND AND BORDER BACKGROUND	BLACK ORANGE	NON-REFLECTORIZED REFLECTORIZED
-------	------------------------------	--------------	---------------------------------

COLOR	LEGEND AND BORDER BACKGROUND	BLACK WHITE	NON-REFLECTORIZED REFLECTORIZED
-------	------------------------------	-------------	---------------------------------

Permit Loads - Loads Over 13 Feet; 3.0" Radius, 1.3" Border;  
 [NO OVERSIZE -] D; [OVERWEIGHT LOADS] D 85% spacing; [XX MILES AHEAD] D;  
 Table of letter and object lefts.

SIGN SIZE	SERIES BY LINE		
	1	2	3
24 x 24	4C	4C	4C

N	O	O	V	E	R	S	I	Z	E	-
11.7	18.1	30.0	36.2	42.8	48.4	54.4	60.7	63.5	69.5	80.8

O	V	E	R	W	E	I	G	H	T	L	O	A	D	S
2.6	8.6	15.0	20.4	26.2	33.4	38.8	41.3	47.4	53.2	64.5	69.9	75.9	82.9	88.7

X	X	M	I	L	E	S	A	H	E	A	D
7.6	13.6	25.3	32.3	35.1	40.6	46.2	57.9	65.1	71.4	76.6	83.7

Sign not to scale

Sign not to scale

### GENERAL NOTES

All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

MODEL: Default  
 FILE NAME: V:\20001032\00\MicroStation\CAD\_Sheets\ID2\_64L94-shr-D2\_Standards.dgn

USER NAME = Pat.J.Pausar	DESIGNED -	REVISED - 3-02-16
PLOT SCALE = 0.0833" / in.	DRAWN -	REVISED -
PLOT DATE = 1/26/2026	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

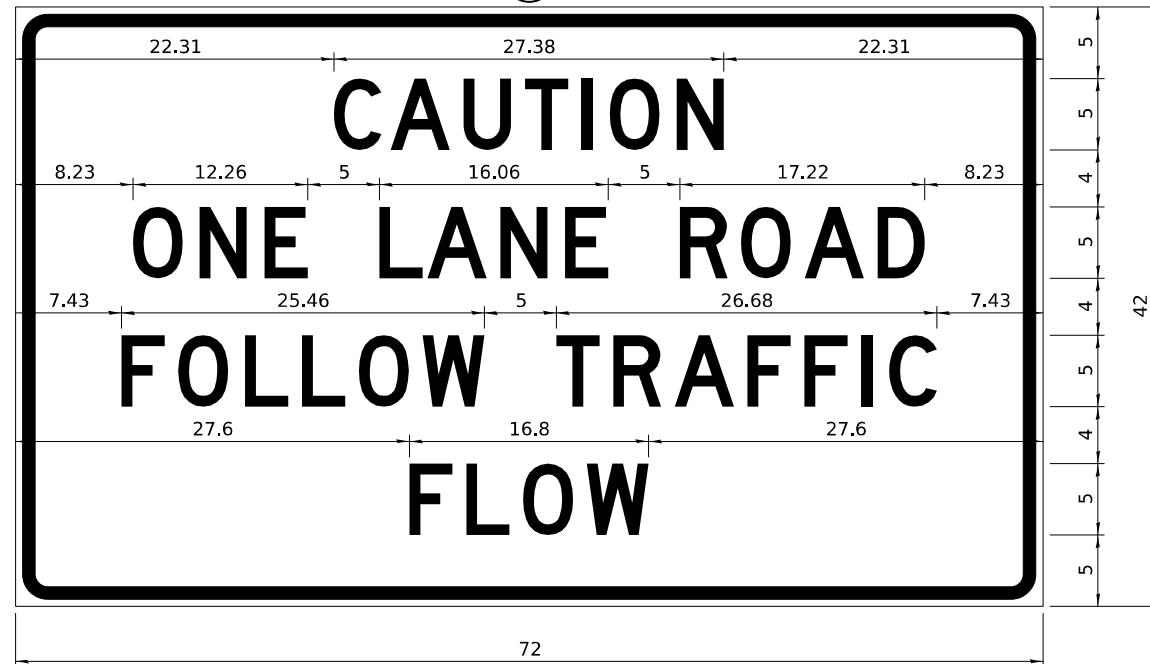
SCALE: N/A SHEET 14 OF 23 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	342
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				

**ENTRANCE SIGN FOR USE  
WITH TEMPORARY SIGNALS**

**WORK ZONE SIGN DETAILS**

2



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

2.25" Radius, 0.88" Border, 0.50" Indent;  
[CAUTION] D; [ONE LANE ROAD] D;  
[FOLLOW TRAFFIC] D; [FLOW] D

2 This sign shall be installed at entrances located between the temporary signals as shown in the staging plans.

**Table Of Widths And Spaces**

22.31	C	3.36	0.62	A	4.18	0.94	U	3.36	0.94	T	3.04	0.94	I	0.78	1.17	O	3.52	1.17	N	3.36	22.31
-------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	-------

8.23	O	3.51	1.17	N	3.36	1.18	E	3.04
------	---	------	------	---	------	------	---	------

5.00	L	3.05	0.31	A	4.18	0.94	N	3.36	1.17	E	3.05
------	---	------	------	---	------	------	---	------	------	---	------

5.00	R	3.36	0.93	O	3.52	0.94	A	4.18	0.93	D	3.36	8.23
------	---	------	------	---	------	------	---	------	------	---	------	------

7.43	F	3.04	0.94	O	3.52	1.17	L	3.04	0.94	L	3.05	0.94	O	3.51	0.94	W	4.37
------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------

5.00	T	3.05	0.94	R	3.36	0.94	A	4.18	0.93	F	3.05	0.94	F	3.04	0.94	I	0.78	1.18	C	3.35	7.43
------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------

27.60	F	3.05	0.94	L	3.04	0.94	O	3.52	0.93	W	4.38	27.60
-------	---	------	------	---	------	------	---	------	------	---	------	-------

Sign not to scale

**GENERAL NOTES**

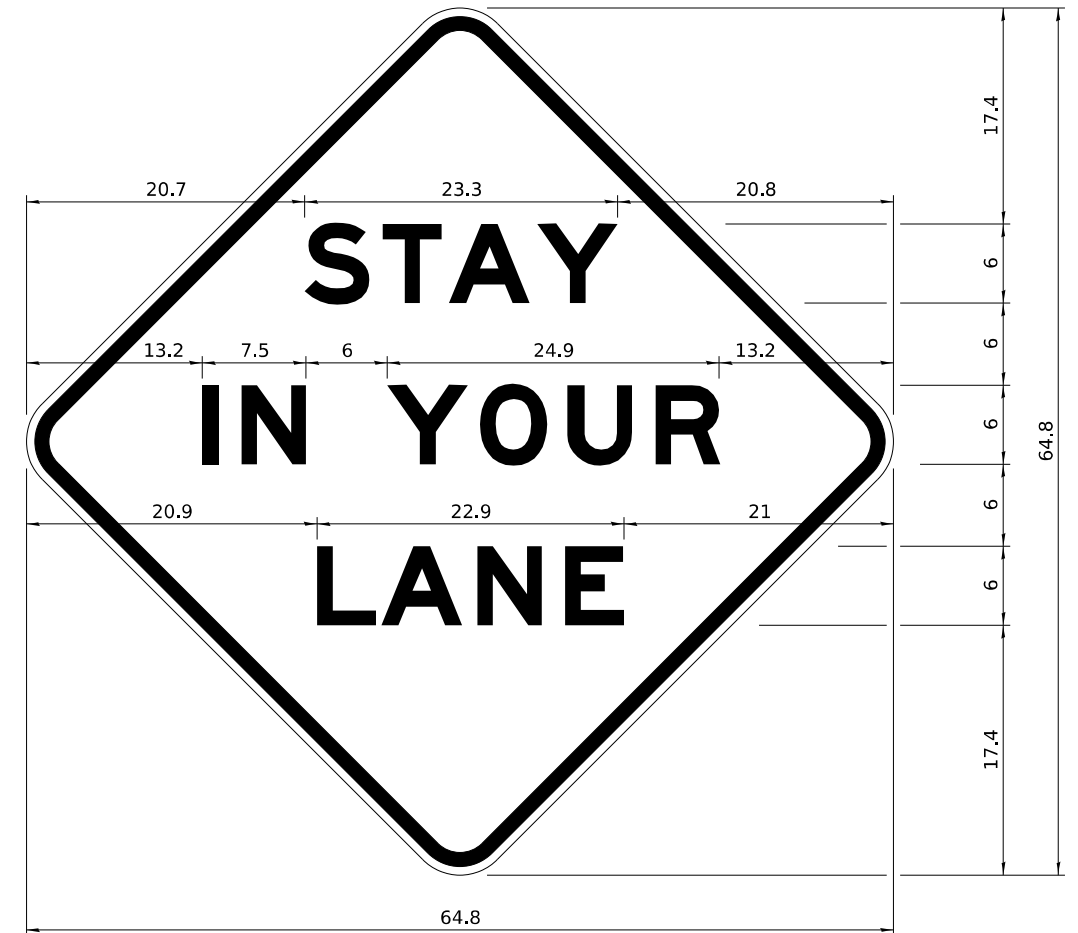
All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

**STAY IN YOUR LANE**



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

48.0" across sides 3.8" Radius, 1.0" Border, 0.6" Indent;  
"STAY" E Mod; "IN YOUR" E Mod; "LANE" E Mod;

**Table of Letter and Object Lefts**

S	T	A	Y
20.7	26.8	31.6	38.0

I	N	Y	O	U	R
13.2	15.9	26.7	33.9	40.5	46.8

L	A	N	E
20.9	25.8	33.1	39.4

Sign not to scale

MODEL: Default  
FILE NAME: V:\20001032\00\MicroStation\CAD\_Sheets\02\_64L94-sh1-D2\_Standards.dgn

USER NAME = Pat.J.Pausar	DESIGNED -	REVISED - 3-02-16
PLOT SCALE = 0.0833"/in.	DRAWN -	REVISED -
PLOT DATE = 1/26/2026	CHECKED -	REVISED -
	DATE -	REVISED -

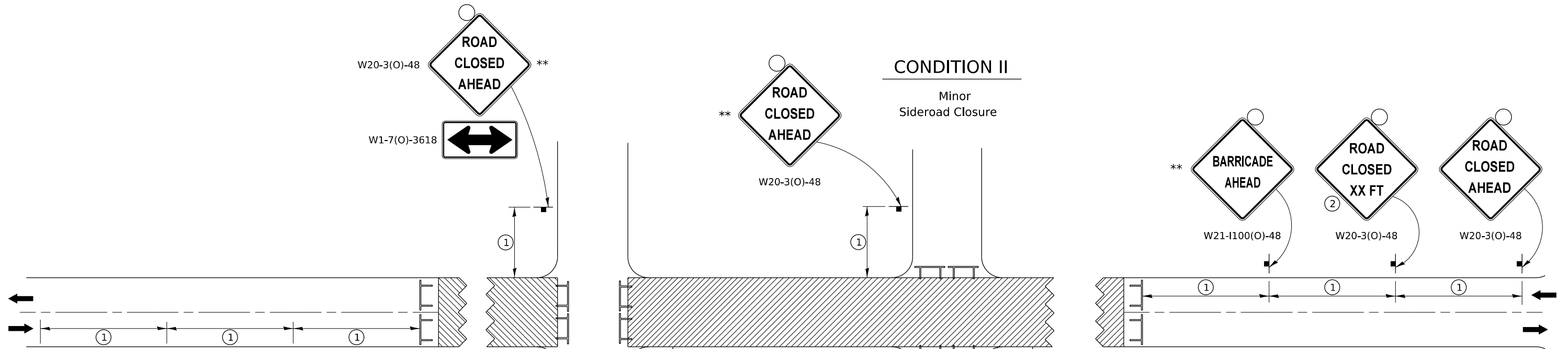
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REGION 2 / DISTRICT 2 STANDARD**




SCALE: N/A SHEET 15 OF 23 SHEETS STA. TO STA.

F.A.P. RTE. 611	SECTION 104R	COUNTY HENRY	TOTAL SHEETS 426	SHEET NO. 343
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				

# TRAFFIC CONTROL FOR ROAD CLOSURE



## SYMBOLS

-  Work area
-  Type III Barricade with Flashers
-  Sign with flashing light

## GENERAL NOTES

Longitudinal dimensions may be adjusted to fit field conditions.

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

\*\* Where local access is to be maintained, barricades are to be set up as shown in "Road Closed To Thru Traffic". Type III Barricades and R11-2-4830 signs shall be as shown in "Road Closed To All Traffic" detail on Highway Standard 701901.

All dimensions are in inches unless otherwise shown.

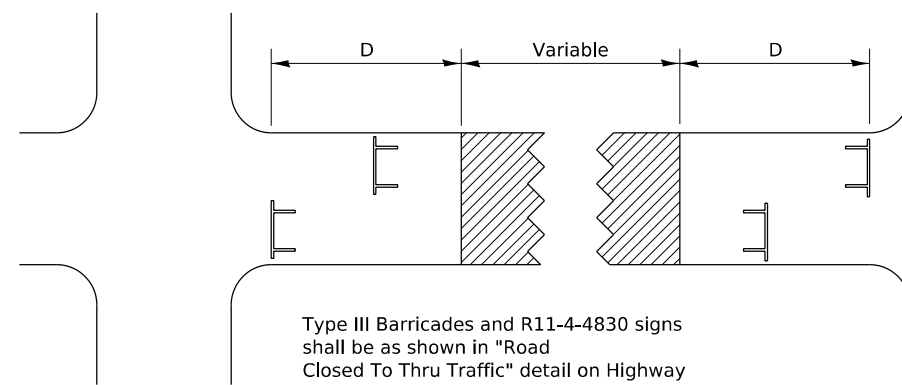
①

SIGN SPACING TABLE	
Posted Speed	Sign Spacing
45 MPH and above	500'
Below 45 MPH	250'

②

SIGN LEGEND	
Posted Speed Limit	Distance
45 MPH and above	1000'
Below 45 MPH	500'

## ROAD CLOSED TO THRU TRAFFIC BARRICADE SET UP



Type III Barricades and R11-4-4830 signs shall be as shown in "Road Closed To Thru Traffic" detail on Highway Standard 701901. If the distance "D" exceeds 2000' an additional set of barricades and R11-4-4830 shall be placed at each end of the work area.

**TYPICAL APPLICATION FOR ROAD CLOSURE**

MODEL: Default  
FILE NAME: V:\20001032\00\MicroStation\CAD\_Sheets\02\_64194-shr-D2\_Standards.dgn

USER NAME = Pat.J.Pauser	DESIGNED -	REVISED - 8-03-17
	DRAWN -	REVISED - 1-05-16
PLOT SCALE = 0.0833" / in.	CHECKED -	REVISED - 8-27-13
PLOT DATE = 1/26/2026	DATE -	REVISED - 10-17-11

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

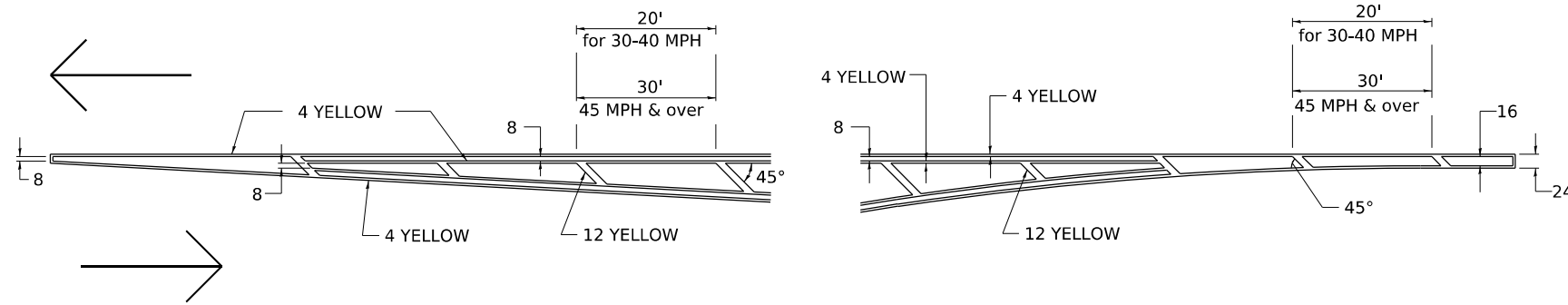
**REGION 2 / DISTRICT 2 STANDARD**

SCALE: N/A    SHEET 16 OF 23 SHEETS    STA.    TO STA.

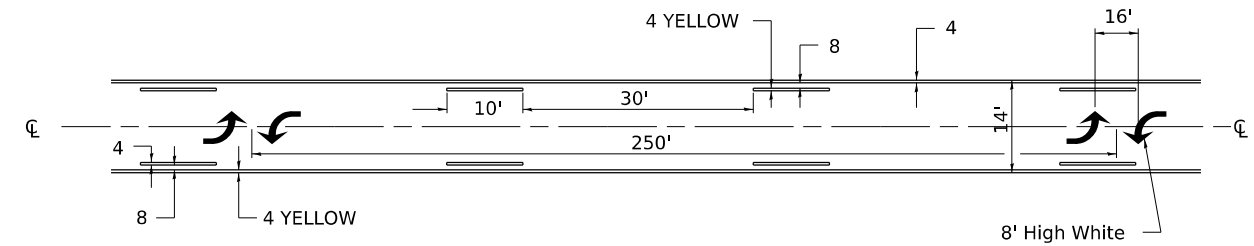
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	344
CONTRACT NO. 64L94				

# TYPICAL PAVEMENT MARKINGS

## TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

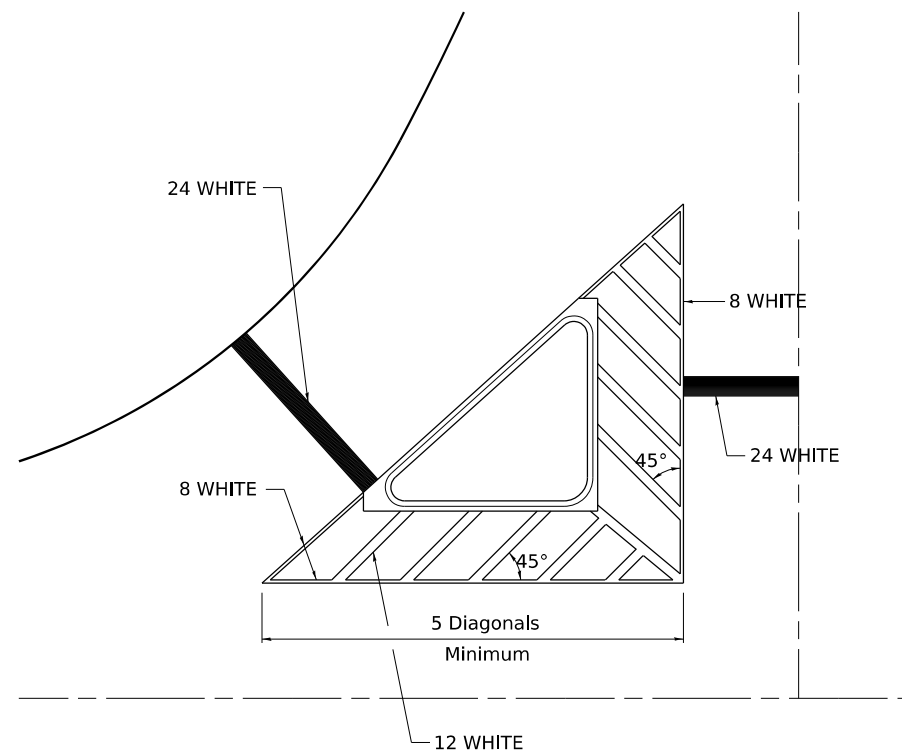


## MEDIAN PAVEMENT MARKING



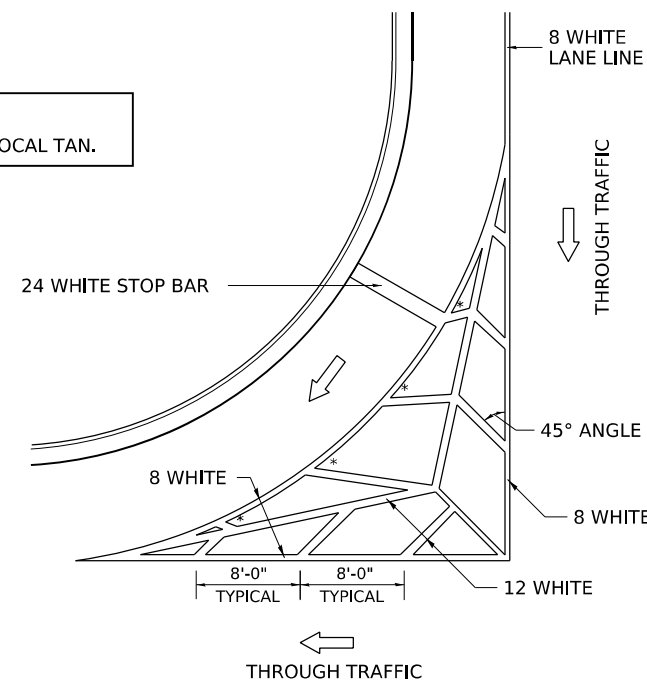
\*\* ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

## TYPICAL ISLAND OFFSET SHOULDER WIDTH



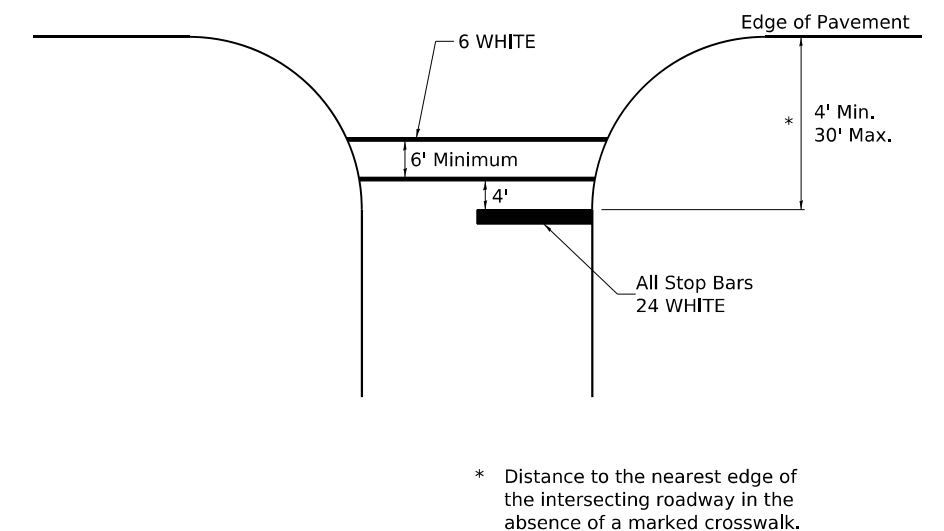
## TYPICAL MARKING FOR PAINTED ISLANDS

NOTE:  
\* 45° TO LOCAL TAN.



## STANDARD CROSSWALK MARKING

See Schedules for Locations



MODEL: Default  
FILE NAME: V:\20001032\00\MicroStation\CAD\_Sheets\D2\_64L94-sh1-D2\_Standards.dgn

USER NAME = Pat.J.Pausar	DESIGNED -	REVISED - 6-27-14
DRAWN -	REVISOR - 3-05-12	
PLOT SCALE = 0.0833" / in.	CHECKED -	REVISED -
PLOT DATE = 1/26/2026	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

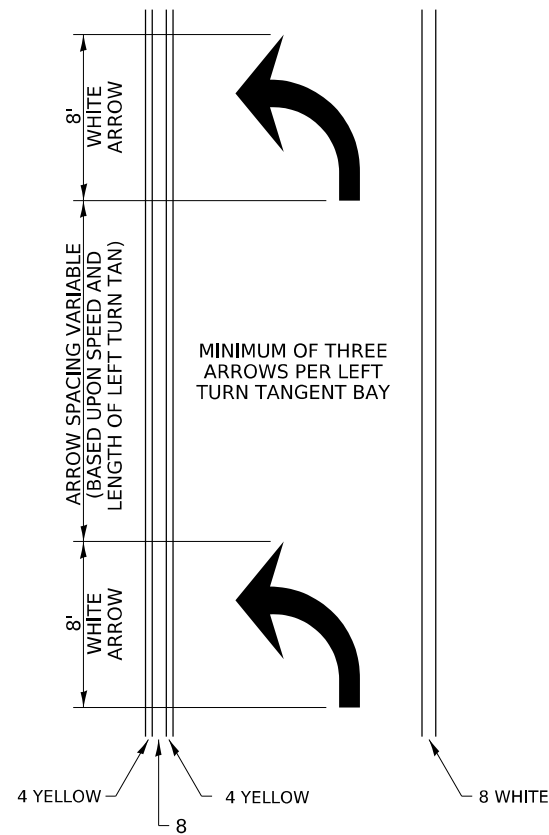
REGION 2 / DISTRICT 2 STANDARD

SCALE: N/A SHEET 17 OF 23 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	345
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				

# TYPICAL PAVEMENT MARKINGS

## ARROW LAYOUT

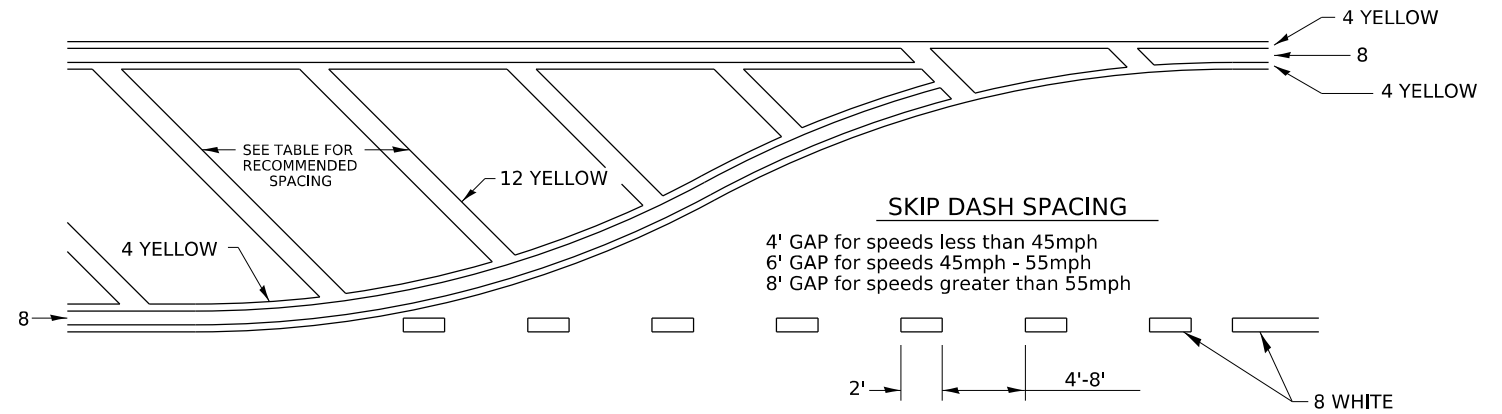


## SYMBOLS

- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER
- ◆ TWO-WAY AMBER MARKER

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

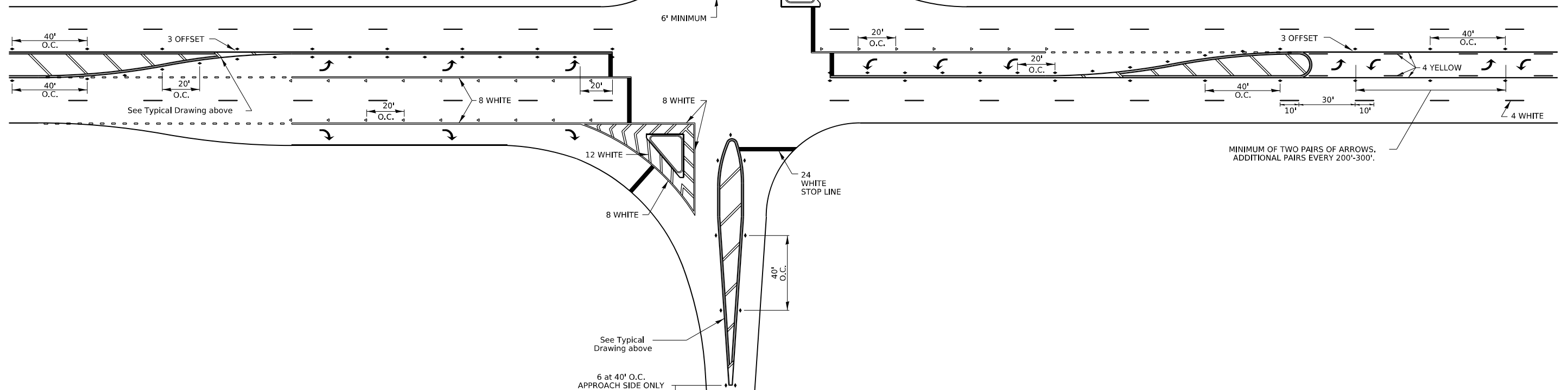
## TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



## RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

Speed Limit Range	Continuous Median Area	Intersection Channelization	Objects (Islands)
less than 30MPH	50'	15'	10'
30-40MPH	75'	20'	15'
45MPH & over	75'	30'	20'

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



MODEL: Default  
FILE NAME: V:\20001032.00\MicroStation\CAD\_Sheets\D2\_64L94-sh1-D2\_Standards.dgn

USER NAME = Pat.J.Pauser	DESIGNED -	REVISED - 6-27-14
PLOT SCALE = 0.0833" / in.	DRAWN -	REVISED - 3-05-12
PLOT DATE = 1/26/2026	CHECKED -	REVISED -
	DATE -	REVISED -

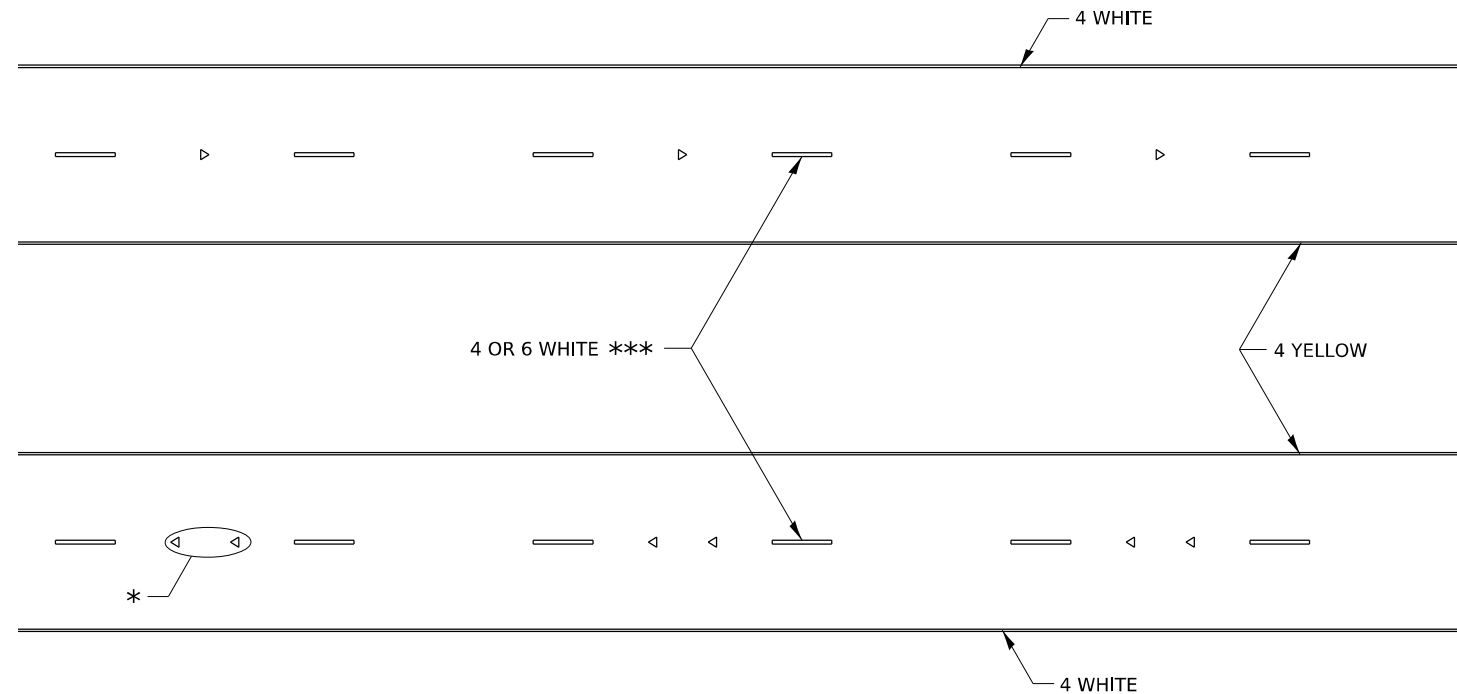
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

SCALE: N/A SHEET 18 OF 23 SHEETS STA. TO STA.

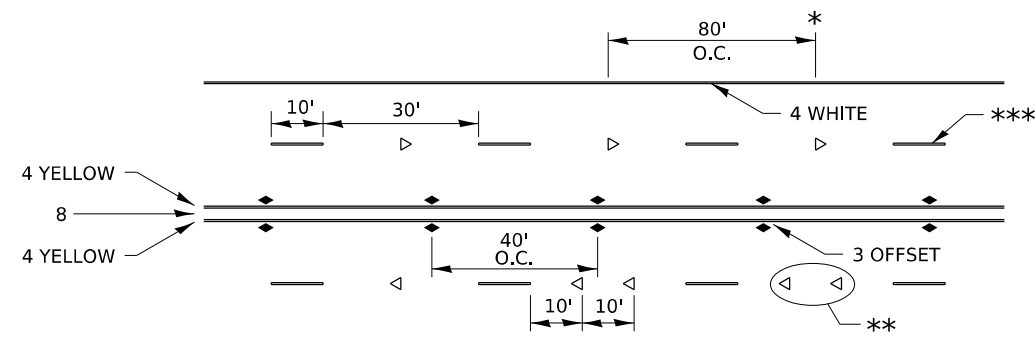
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	346
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				

# TYPICAL PAVEMENT MARKINGS



\* SEE HIGHWAY STANDARD 781001 FOR SPACING DETAILS.  
USE DOUBLE MARKERS WHEN ADT ≥ 20,000.

## MULTI-LANE / DIVIDED



\* REDUCE TO 40' O.C. ON CURVES WHERE ADVISORY SPEEDS ARE  
10 MPH LOWER THAN POSTED SPEEDS.

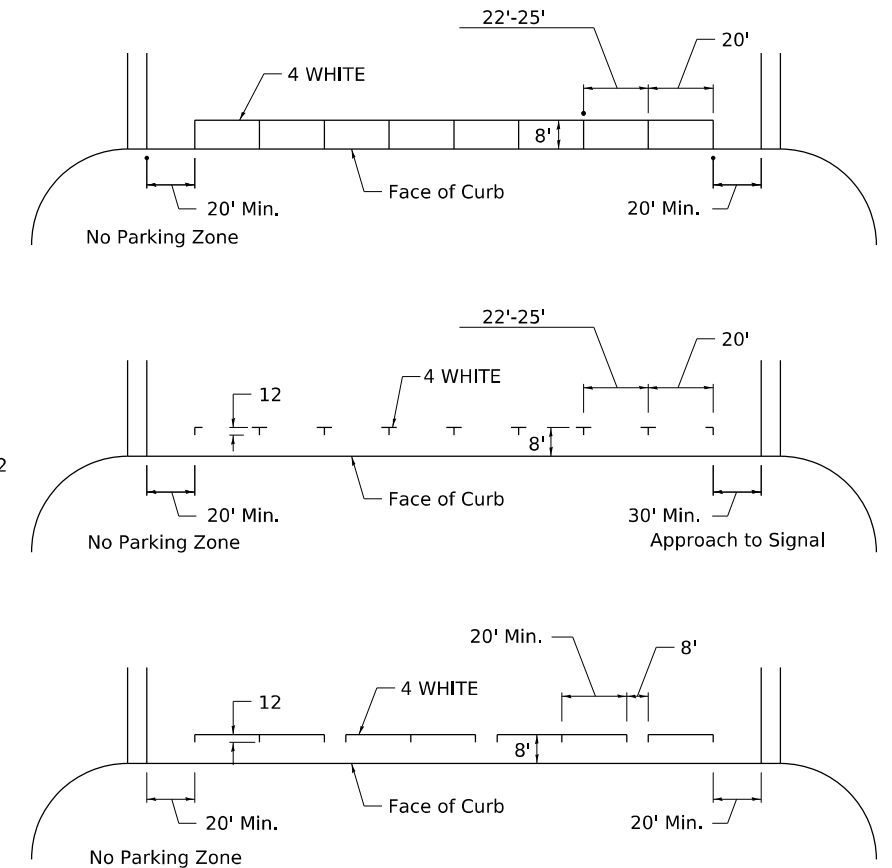
\*\* USE DOUBLE MARKERS WHEN ADT ≥ 20,000

\*\*\* CENTERLINE SKIP DASH PAVEMENT MARKING SPEED LIMIT  
LESS THAN 40 MPH USE 4" LINE. SPEED LIMIT 40 MPH AND  
OVER USE 6" LINE.

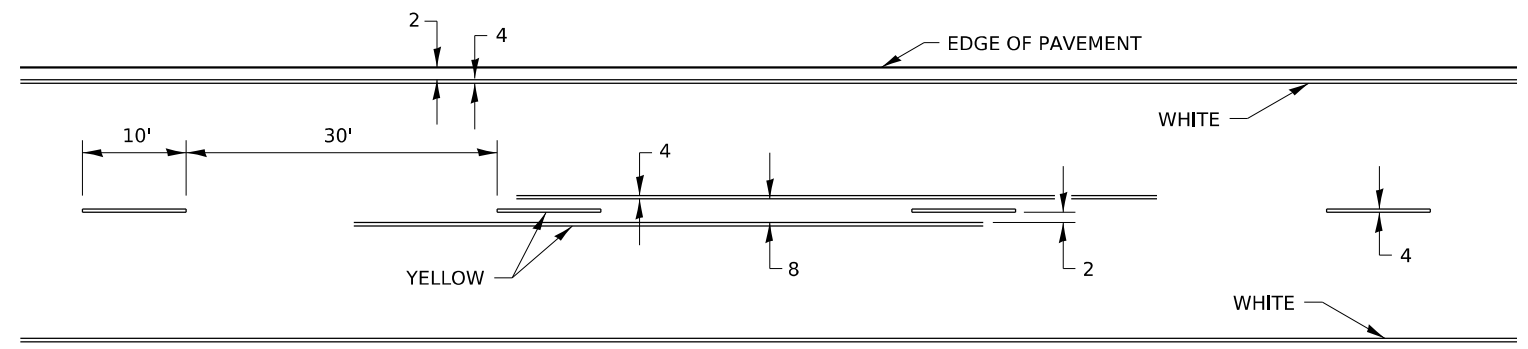
## MULTI-LANE / UNDIVIDED & ONE WAY

(FOR MULTI-LANE UNDIVIDED HIGHWAYS USE THIS  
DETAIL NOT HIGHWAY STANDARD 781001)

## TYPICAL PARKING SPACING



## TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION – NO PASSING ZONES



MODEL: Default  
FILE NAME: V:\20001032.00\MicroStation\CAD\_Sheets\02\_64104-shr-D2\_Standards.dgn

USER NAME = Pat.J.Pausar	DESIGNED -	REVISED - 6-27-14
	DRAWN -	REVISED - 8-27-13
PLOT SCALE = 0.0833" / in.	CHECKED -	REVISED - 11-28-12
PLOT DATE = 1/26/2026	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

SCALE: N/A SHEET 19 OF 23 SHEETS STA. TO STA.

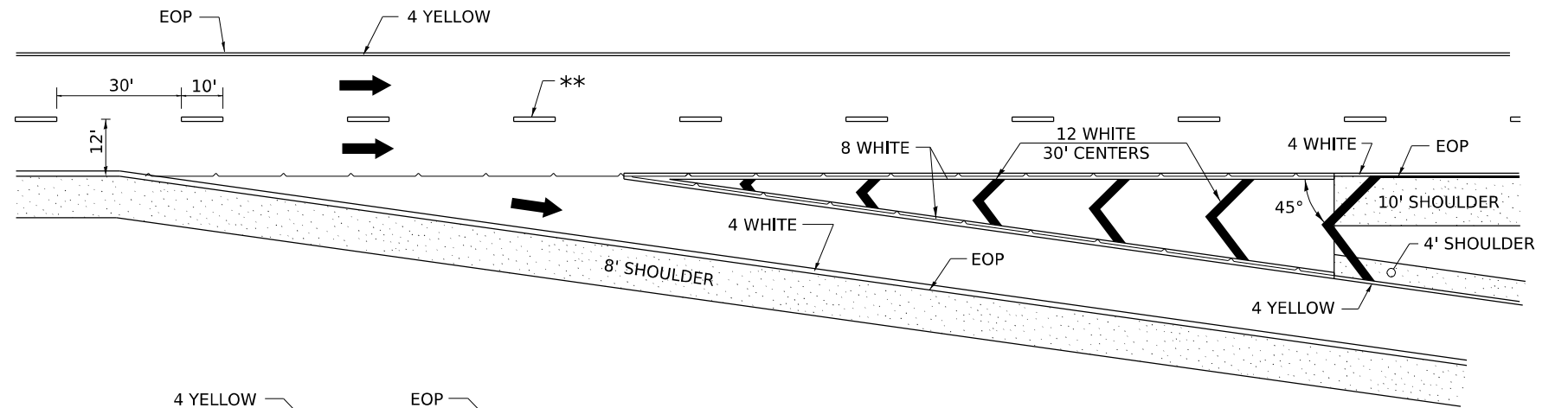
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	347
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				

# TYPICAL PAVEMENT MARKINGS

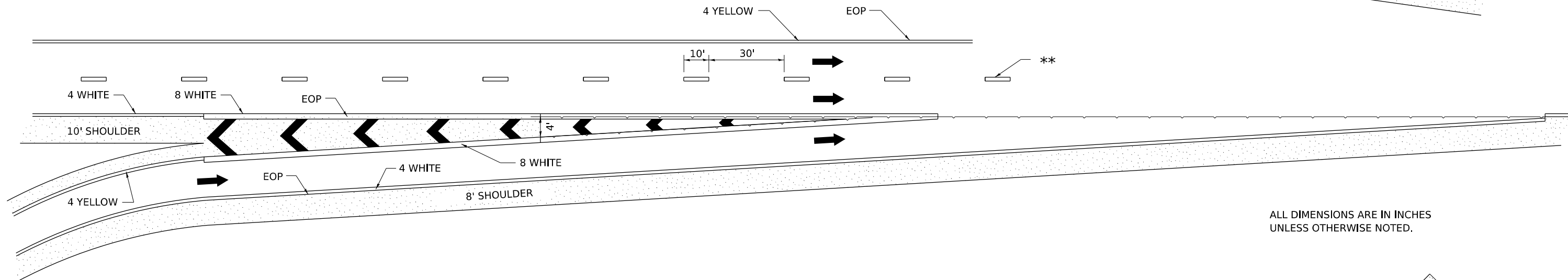
\*\* 6" WHITE ON INTERSTATES, WHERE THE SPPED LIMIT IS 65 MPH, OR WHEN DIRECTED BY THE ENGINEER.  
4" WIDE AT ALL OTHER LOCATIONS.

NOTE: GORE HATCHING PLACED ONLY WHEN SCHEDULED IN THE PLANS

## EXIT RAMP

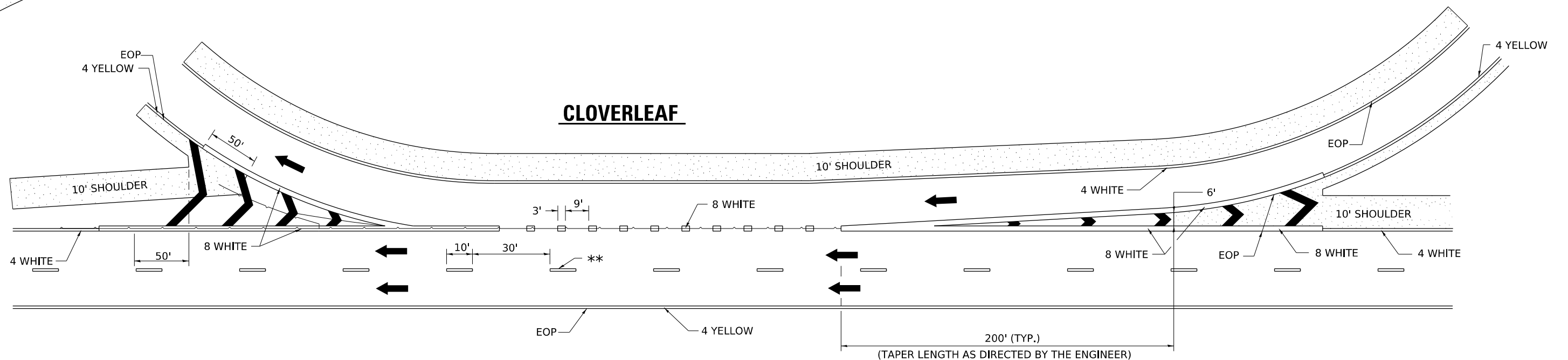


## ENTRANCE RAMP



ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

## CLOVERLEAF



MODEL: Default  
FILE NAME: V:\20001032\01MicroStation\CAD\_Sheets\02\_64L94-sh4-D2\_Standards.dgn

USER NAME = Pat.J.Pausar	DESIGNED -	REVISED - 9-15-23
	DRAWN -	REVISED - 8-27-13
PLOT SCALE = 0.0833" / in.	CHECKED -	REVISED - 10-18-11
PLOT DATE = 1/26/2026	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

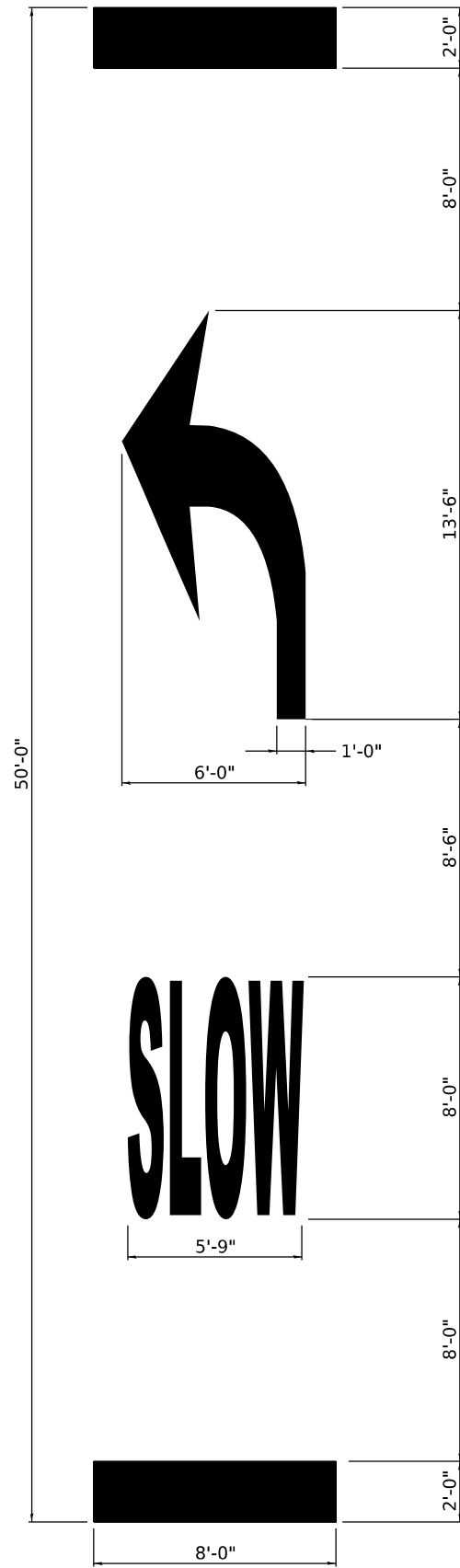
REGION 2 / DISTRICT 2 STANDARD

SCALE: N/A SHEET 20 OF 23 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	348
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				

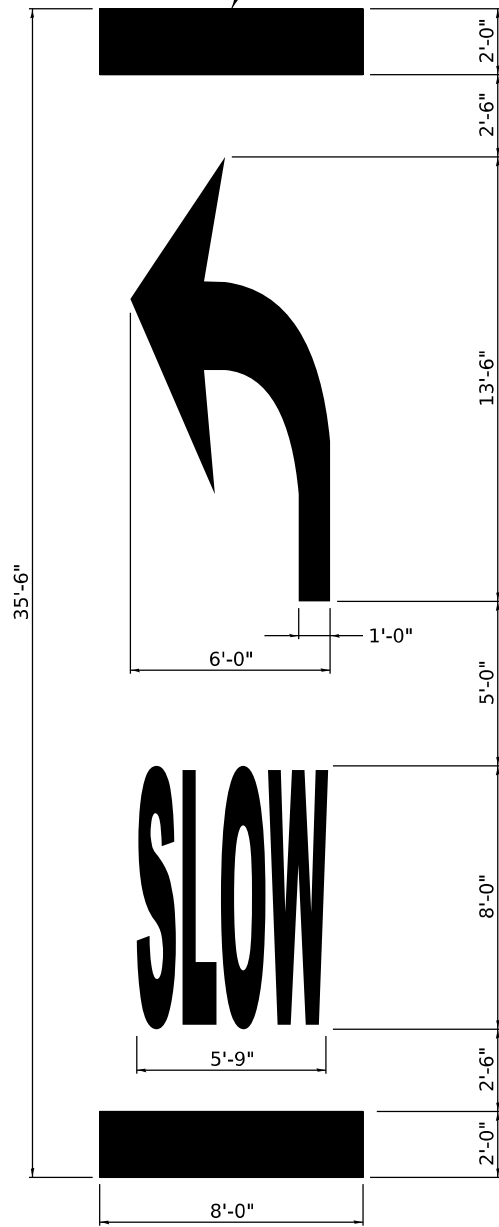
# TYPICAL PAVEMENT MARKINGS

EDGE OF 24" PAVEMENT MARKING SHOULD CORRESPOND TO REFERENCE POINT SET IN FIELD.



**SLOW CURVE ARROW  
HIGH-SPEED STANDARD MARKING**

(POSTED SPEED LIMIT 40 MPH OR GREATER)



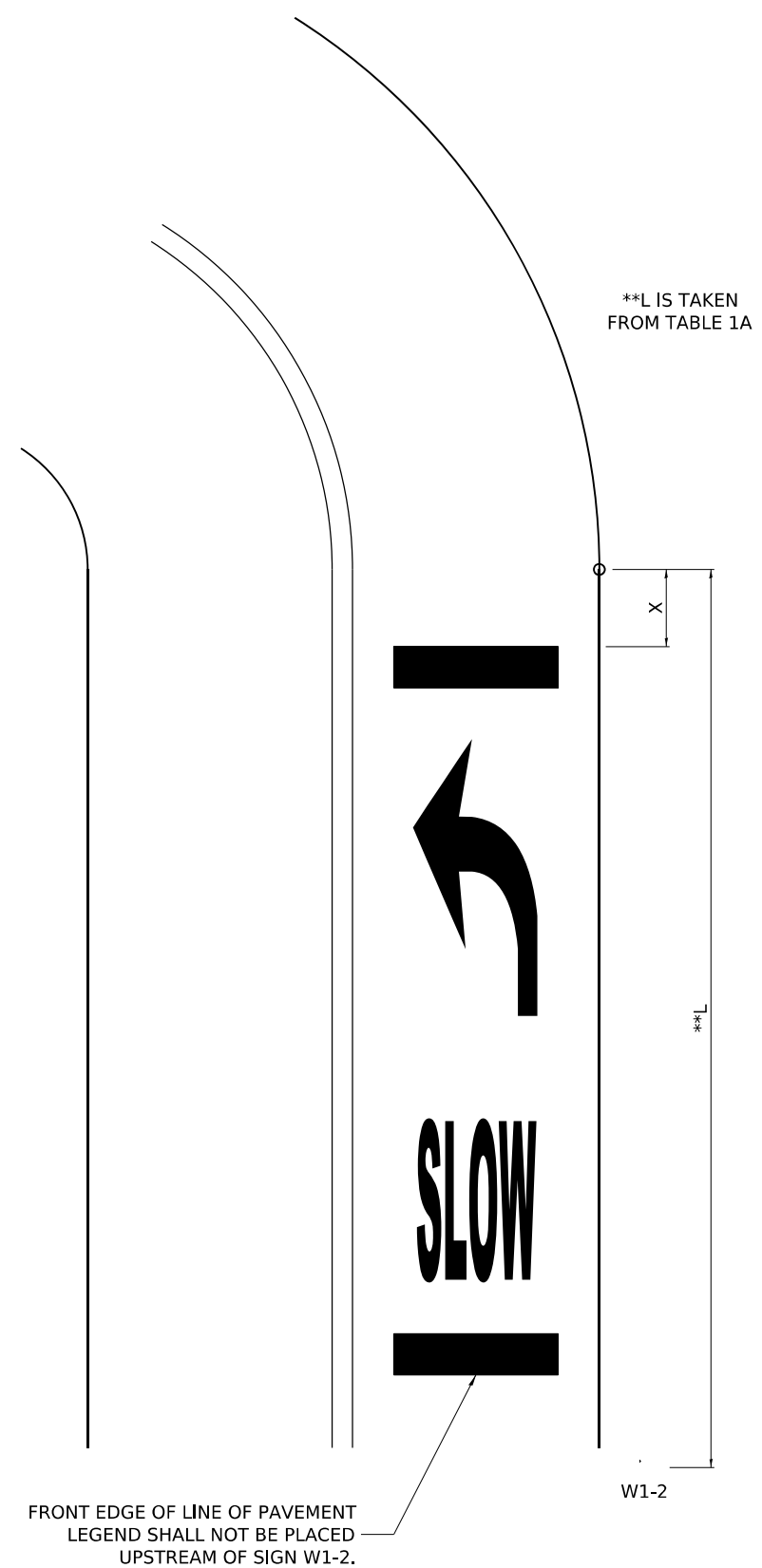
**SLOW CURVE ARROW  
LOW-SPEED STANDARD MARKING**

(POSTED SPEED LIMIT 35 MPH OR LESS)

**TABLE 1A**

POSTED SPEED	WARNING SPEED							
	20	25	30	35	40	45	50	55
VALUE OF X (FT.)								
20 *	100							
25 *	100	100						
30 *	100	100	100					
35 *	100	100	100	100				
40 *	100	100	100	100	100			
45 *	125	110	100	100	100	100		
50 *	225	200	175	135	100	100	100	
55 *	300	275	250	200	175	135	100	100

\* NOTE: ON ROADWAYS WITH A POSTED SPEED LIMIT OF 35 MPH OR LESS, USE THE 35'-6" PAVEMENT MARKING LEGEND AS SHOWN IN THE SLOW CURVE ARROW, LOW-SPEED STANDARD MARKING. ON ALL OTHER ROADWAYS, USE THE 50'-0" PAVEMENT MARKING LEGEND AS SHOWN ON THE SLOW CURVE ARROW, HIGH-SPEED STANDARD MARKING.



**TYPICAL LAYOUT AND PLACEMENT OF  
SUPPLEMENTAL CURVE PLACEMENT MARKING**

MODEL: Default  
FILE NAME: V:\20001032\01MicroStation\CAD\_Sheets\02\_64L94-sh1+D2\_Standards.dgn

USER NAME = Pat.J.Pausar	DESIGNED -	REVISED - 4-17-25
	DRAWN -	REVISED -
PLOT SCALE = 0.0833" / in.	CHECKED -	REVISED -
PLOT DATE = 1/26/2026	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

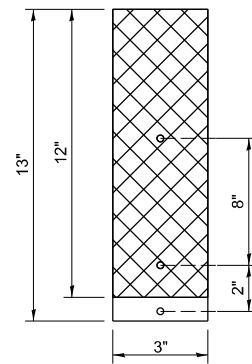
SCALE: N/A SHEET 21 OF 23 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	349
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				

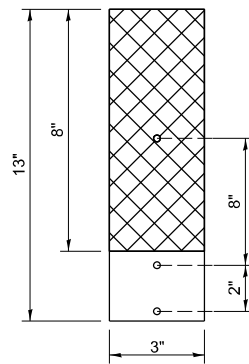
# REFLECTORS (SPECIAL)

## DELINEATOR REPLACEMENT

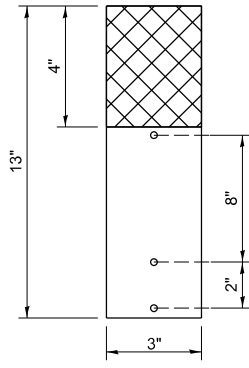
③ REPLACING 3 BUTTON DELINEATOR



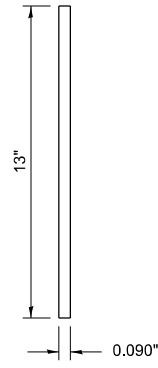
② REPLACING 2 BUTTON DELINEATOR



① STRAIGHT REFLECTOR / DELINEATOR



SIDE VIEW



**NOTE:**

REFLECTOR REPLACEMENT SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR GUARDRAIL REFLECTORS, TYPE C (SPECIAL), WHICH INCLUDES ALL MOUNTING HARDWARE OUTLINED IN SECTION 635 OF THE SPEC BOOK.

DELINEATOR INSTALLATION (REFLECTOR AND POST) SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR DELINEATORS (SPECIAL), WHICH INCLUDES ALL MOUNTING HARDWARE OUTLINED IN SECTION 635 OF THE SPEC BOOK.

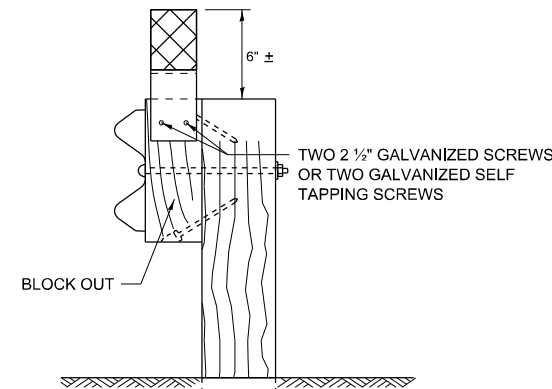
REFLECTORS INSTALLED ON TWO LANE ROADS SHALL BE DOUBLE SIDED AND BOTH SIDES SHALL BE CRYSTAL.

REFLECTORS INSTALLED ON CENTER BARRIER OR IN THE MEDIAN SHALL BE DOUBLE SIDED AND BOTH SIDES SHALL BE YELLOW.

REFLECTORS INSTALLED ON DIVIDED HIGHWAYS ON THE OUTSIDE OF THE ROADWAY SHALL BE DOUBLE SIDED CRYSTAL.

SPACING FOR REFLECTORS SHALL BE ACCORDING TO STANDARD 782006 UNLESS OTHERWISE NOTED IN THE PLANS.

## REFLECTORS FOR GUARDRAIL BLOCK OUT OR DELINEATOR POST

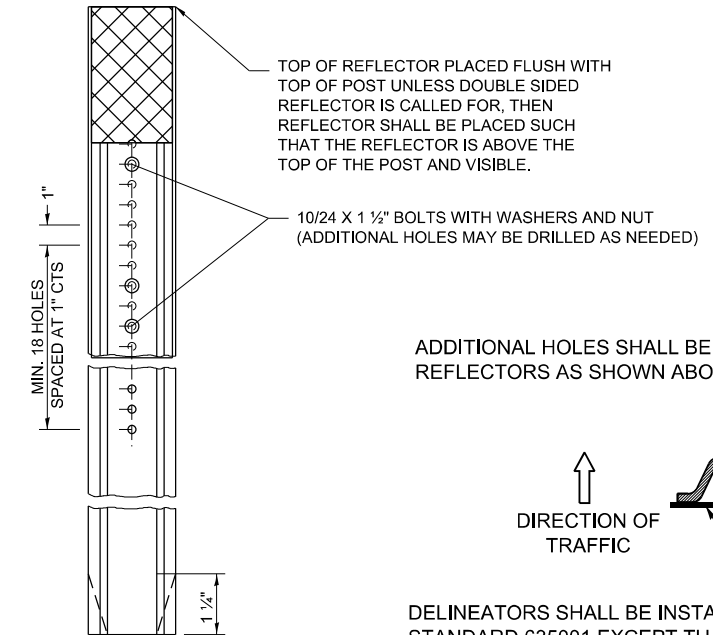


**MOUNTED ON A GUARDRAIL BLOCK OUT**

REFLECTORS SHALL BE MOUNTED DIRECTLY TO BLOCK OUTS.

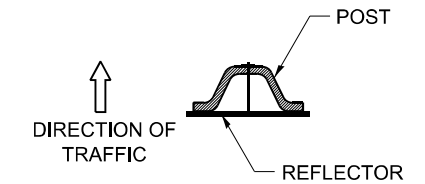
REFLECTORS MOUNTED ON WOODEN OR PLASTIC OR METAL BLOCK OUT SHALL BE MOUNTED USING TWO 2 1/2" GALVANIZED SCREWS WITH WASHERS OR TWO SELF TAPPING GALVANIZED SCREWS WITH WASHERS.

ADDITIONAL SHEETING MAY BE ADDED AS NEEDED FOR TURN AROUNDS AS SHOWN IN THE PLANS



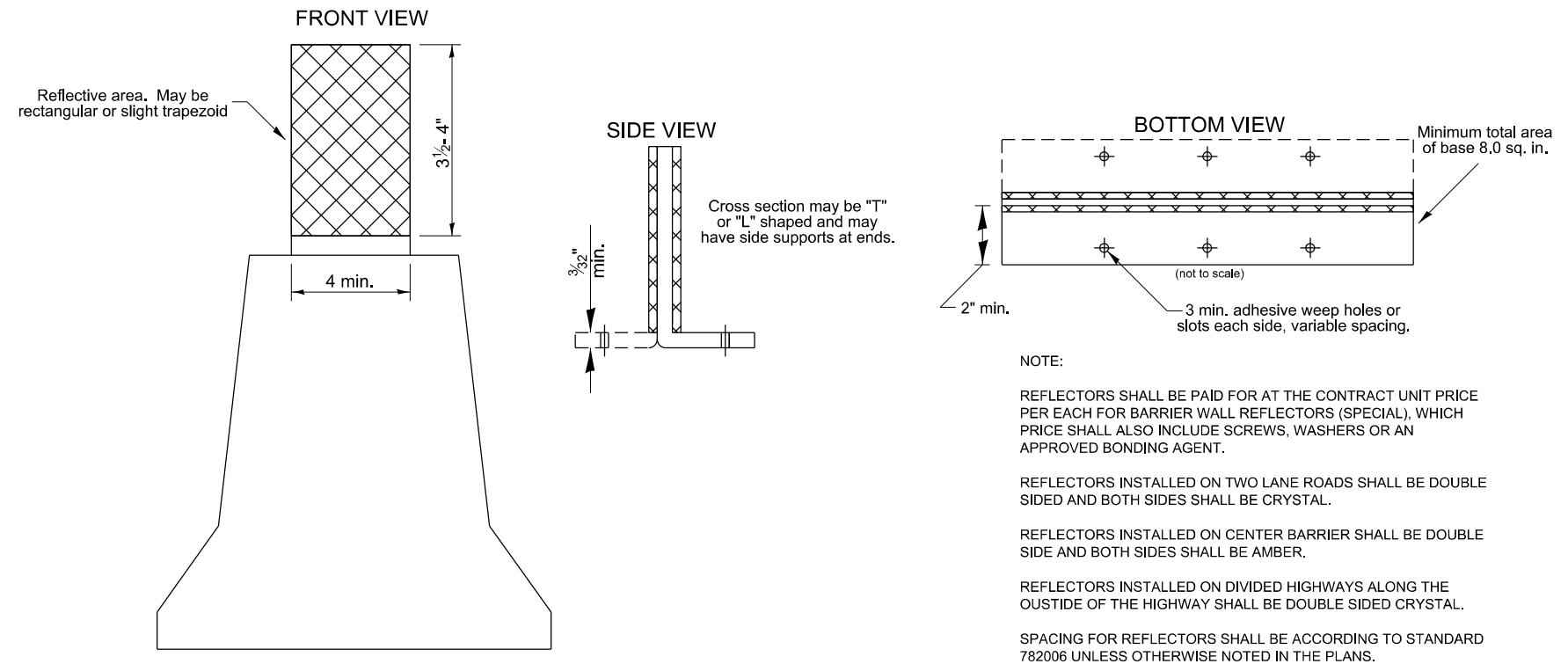
**MOUNTED ON A DELINEATOR POST**

ADDITIONAL HOLES SHALL BE DRILLED IN THE REFLECTORS AS SHOWN ABOVE.



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

## REFLECTORS MOUNTED ON BARRIER WALL



**NOTE:**

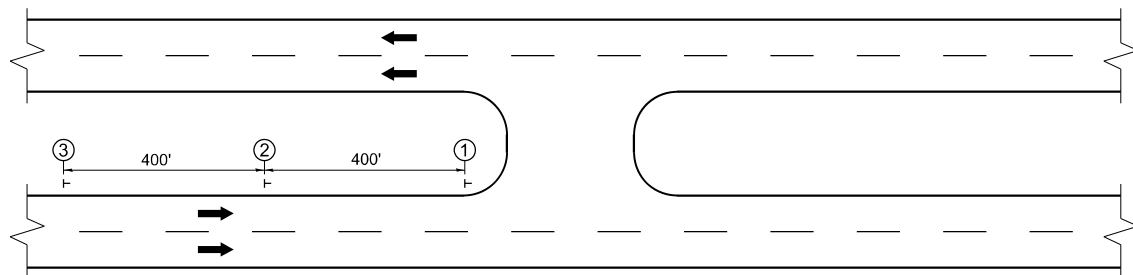
REFLECTORS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR BARRIER WALL REFLECTORS (SPECIAL), WHICH PRICE SHALL ALSO INCLUDE SCREWS, WASHERS OR AN APPROVED BONDING AGENT.

REFLECTORS INSTALLED ON TWO LANE ROADS SHALL BE DOUBLE SIDED AND BOTH SIDES SHALL BE CRYSTAL.

REFLECTORS INSTALLED ON CENTER BARRIER SHALL BE DOUBLE SIDE AND BOTH SIDES SHALL BE AMBER.

REFLECTORS INSTALLED ON DIVIDED HIGHWAYS ALONG THE OUTSIDE OF THE HIGHWAY SHALL BE DOUBLE SIDED CRYSTAL.

SPACING FOR REFLECTORS SHALL BE ACCORDING TO STANDARD 782006 UNLESS OTHERWISE NOTED IN THE PLANS.



**LEGEND**

OR = DELINEATOR

[Cross-hatched box] = REFLECTIVE AREA

MODEL: Default; FILE NAME: V:\20001032.00\MicroStation\CAD\_Sheets\02\_64L94-sh+D2\_Standards.dgn

USER NAME = Pat.J.Pauser	DESIGNED -	REVISED - 3-07-25
	DRAWN -	REVISED - 3-07-24
PLOT SCALE = 0.0833" / in.	CHECKED -	REVISED - 4-27-23
PLOT DATE = 1/26/2026	DATE -	REVISED - 6-21-21

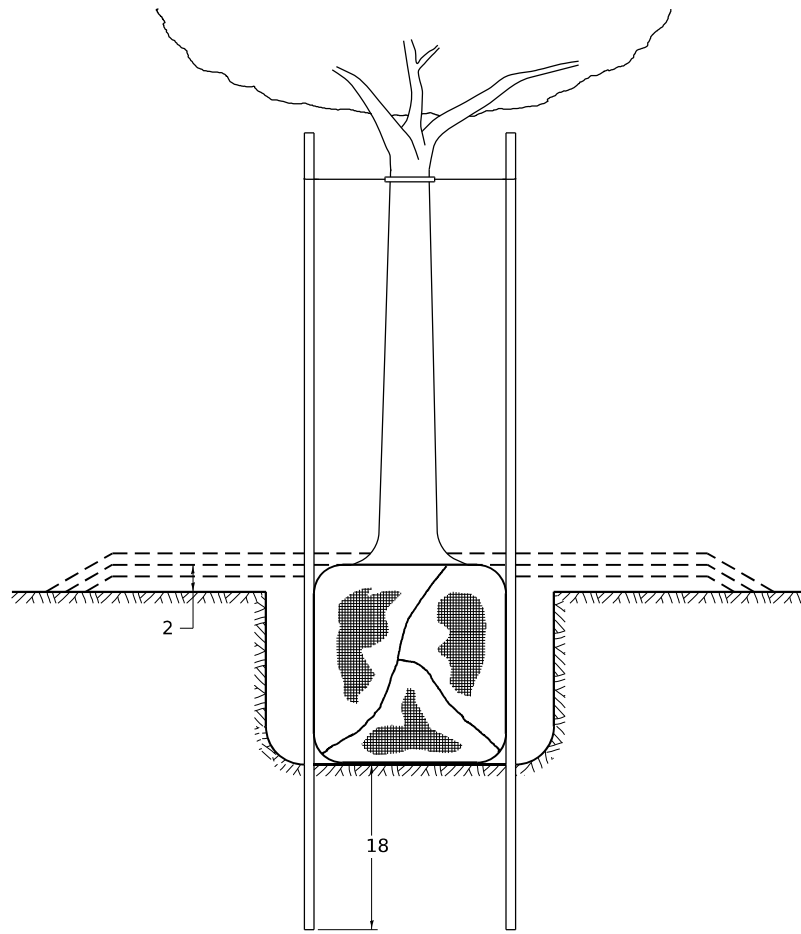
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REGION 2 / DISTRICT 2 STANDARD**

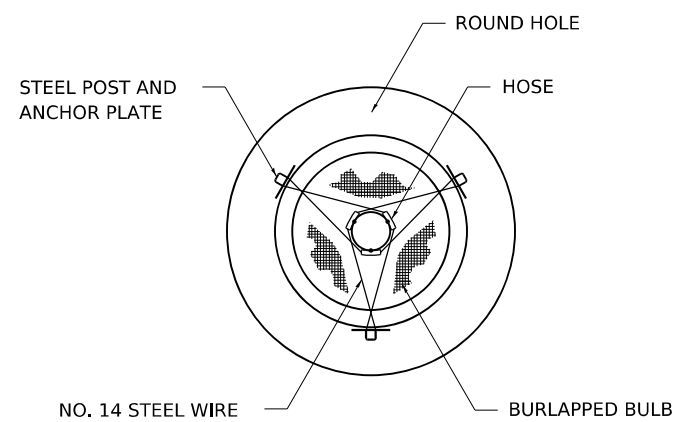
SCALE: N/A SHEET 22 OF 23 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	350
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				

# DETAILS OF PLANTING AND BRACING TREES

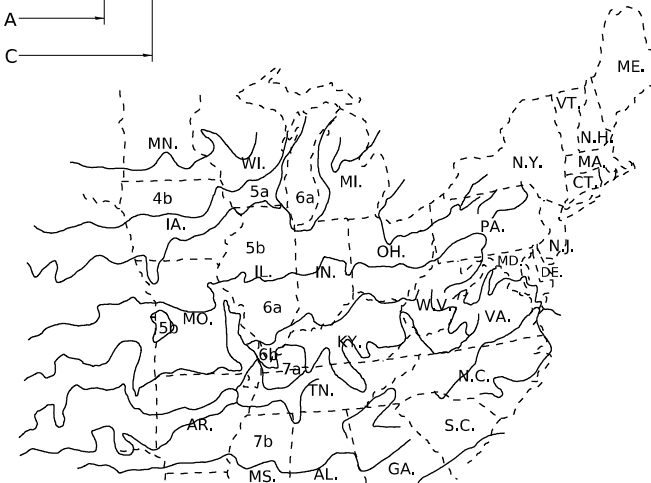
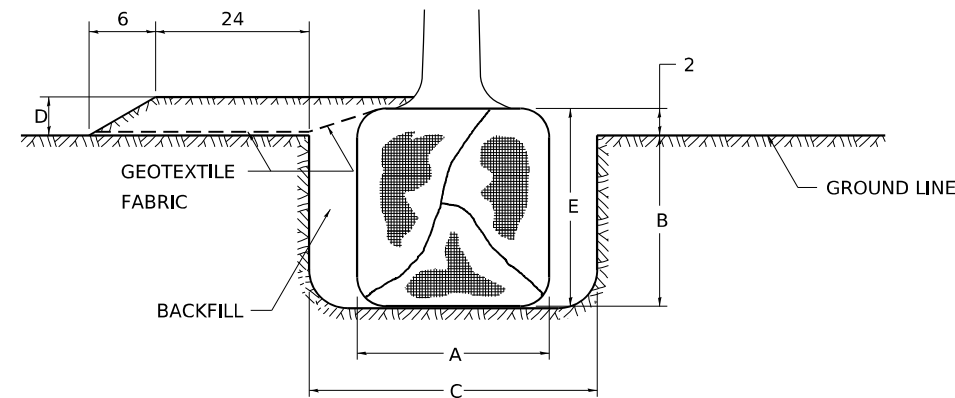


TREES SMALLER THAN 4 1/2 IN DIAMETER



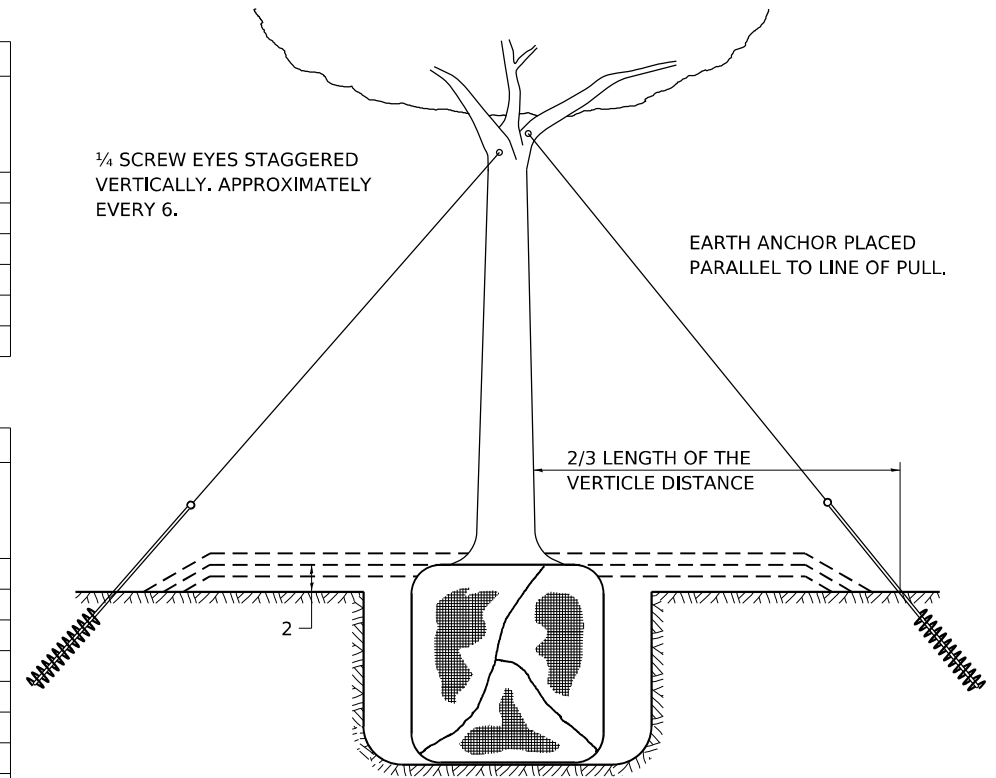
SMALL	A	B	C	D	E	F
TREE SIZE	DIAMETER OF BALL OR ROOT SYS.	DEPTH OF HOLE EXCAVATION	WIDTH OF HOLE EXCAVATION	THICKNESS OF MULCH COVER	DEPTH OF BALL OR ROOT SYS.	VOLUME OF MULCH COVER CU. YDS.
5'-6'	16	10	30	4	12	0.54
5'-6' BB	16	10	30	4	12	0.54
6'-7' BB	18	12	30	4	14	0.54
7'-8' BB	20	11	30	4	13	0.54
8'-10' BB	24	14	36	4	16	0.61
10'-12' BB	26	15	36	4	17	0.61

LARGE	A	B	C	D	E	F
TREE SIZE	DIAMETER OF BALL OR ROOT SYS.	DEPTH OF HOLE EXCAVATION	WIDTH OF HOLE EXCAVATION	THICKNESS OF MULCH COVER	DEPTH OF BALL OR ROOT SYS.	VOLUME OF MULCH COVER CU. YDS.
0-2	20	11	36	4	13	0.61
2-2 1/2 BB	24	14	48	4	16	0.78
2 1/2-3 BB	28	17	48	4	19	0.78
3-3 1/2 BB	32	17	60	4	19	0.96
3 1/2-4 BB	36	20	60	4	22	0.96
4-4 1/2 BB	40	22	72	4	24	1.16
4 1/2-5 BB	44	24	72	4	26	1.16
5-5 1/2 BB	48	27	84	4	29	1.38

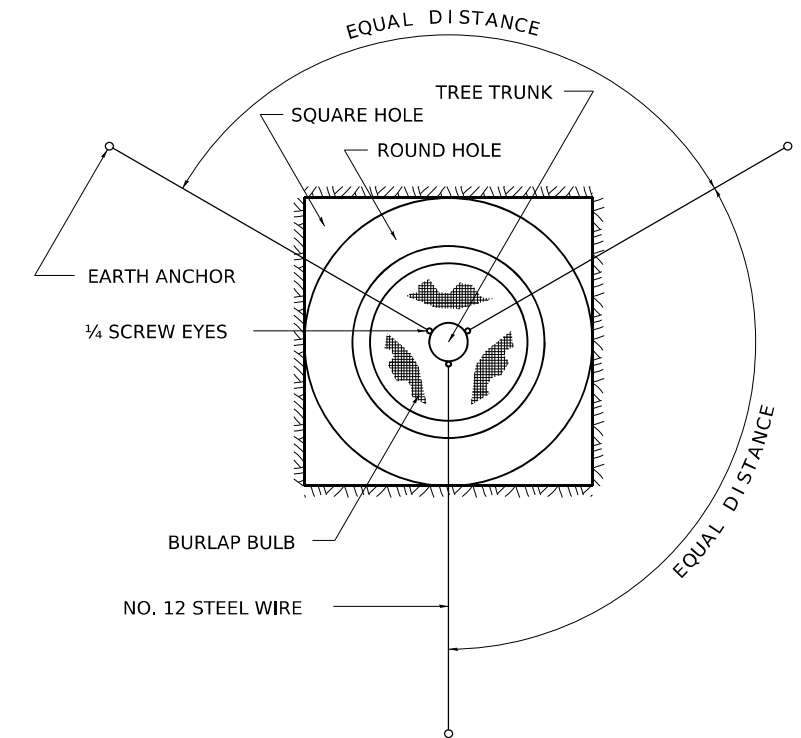


PLANT HARDINESS ZONE MAP

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



TREES OVER 4 1/2 IN DIAMETER



ALL DIMENSIONS ARE IN INCHES  
UNLESS OTHERWISE NOTED.

MODEL: Default  
FILE NAME: V:\20001032\00\MicroStation\CAD\_Sheets\02\_64L94-sh+D2\_Standards.dgn

USER NAME = Pat.J.Pausar	DESIGNED -	REVISED - 10-18-11
PLOT SCALE = 0.0833" = 1'	DRAWN -	REVISED -
PLOT DATE = 1/26/2026	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

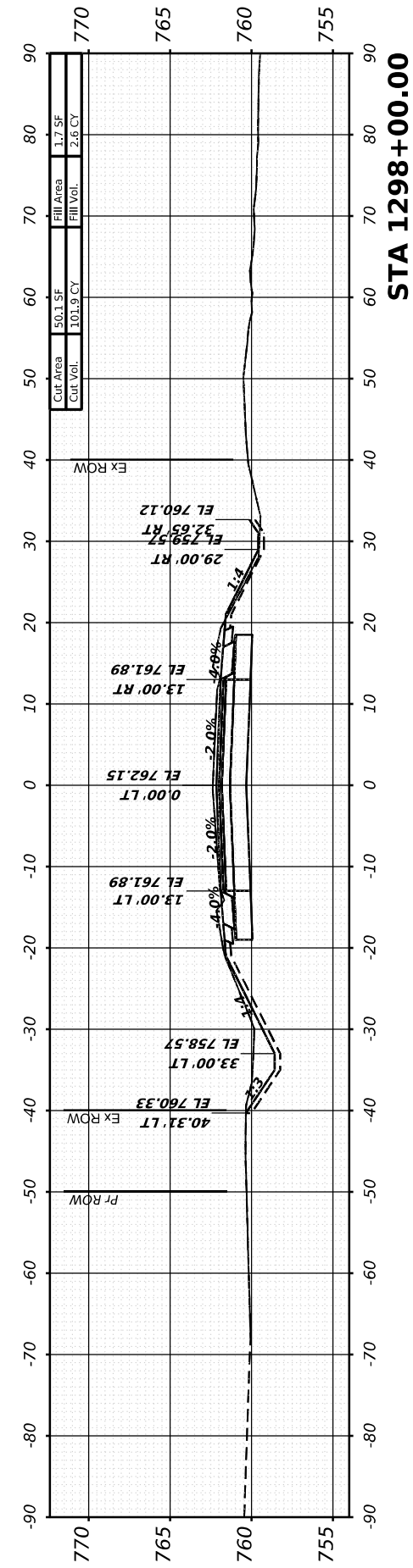
SCALE: N/A SHEET 23 OF 23 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	351
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				

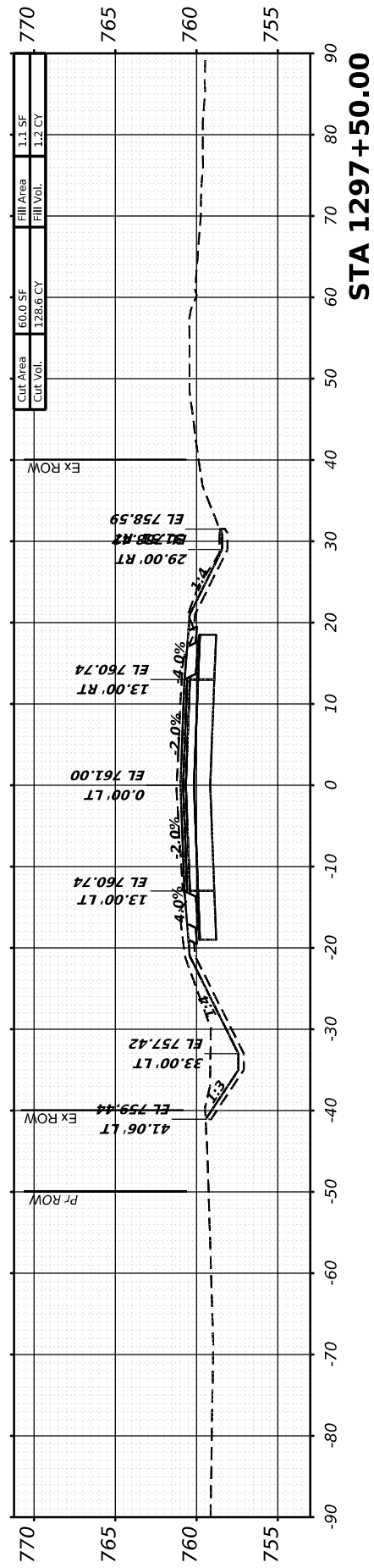
FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		
	AREAS CHECKED		

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

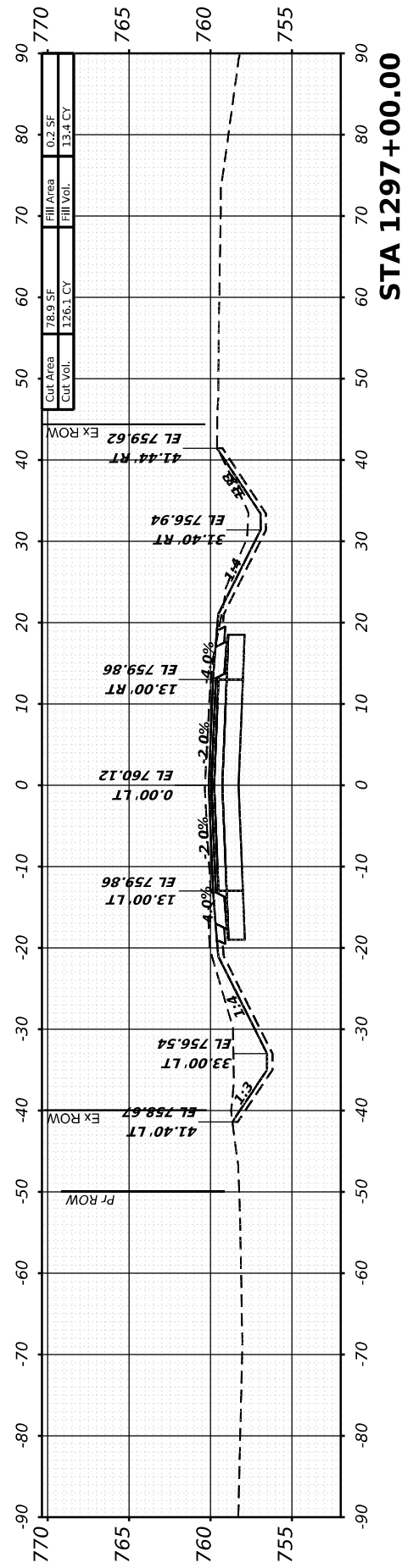
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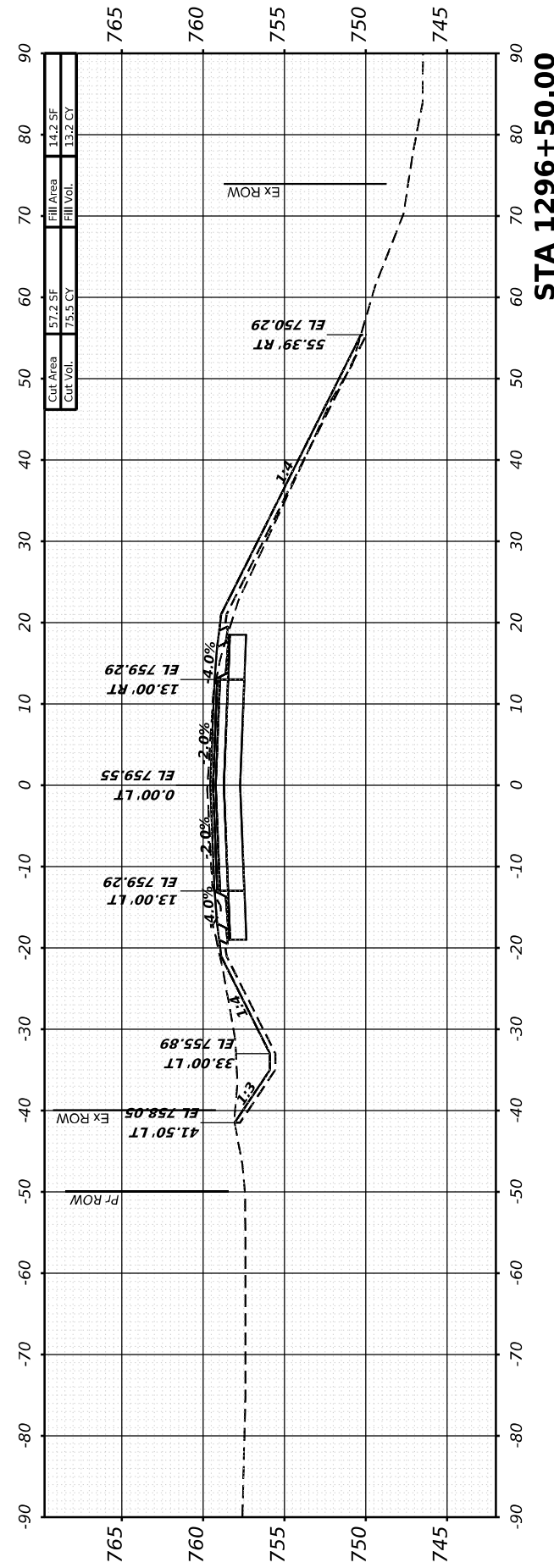
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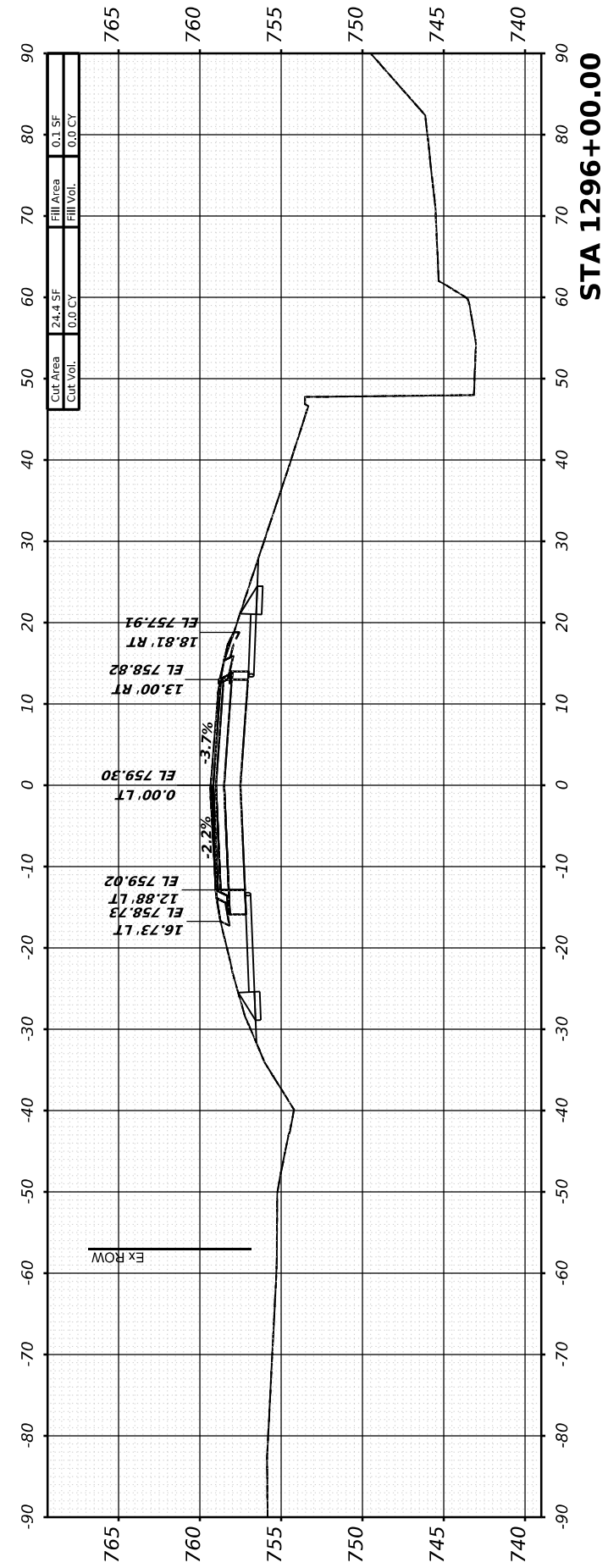
**STA 1297+50.00**



**STA 1297+00.00**



**STA 1296+50.00**



**STA 1296+00.00**



USER NAME	= Marc.A.Personette
DESIGNED	- PATRICK PAUSER
DRAWN	- PATRICK PAUSER
CHECKED	- BRAD LANGE
DATE	- 3/28/2026
PLOT SCALE	= 0.08333317 1/ in.
PLOT DATE	= 3/28/2026

DESIGNED	- PATRICK PAUSER	REVISED	-
DRAWN	- PATRICK PAUSER	REVISED	-
CHECKED	- BRAD LANGE	REVISED	-
DATE	- 3/28/2026	REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
IL ROUTE 81**

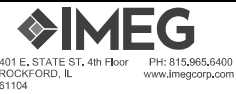
SCALE: 1" = 20' SHEET 1 OF 40 SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	352
				CONTRACT NO. 64L94
ILLINOIS FED. AID PROJECT				

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

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

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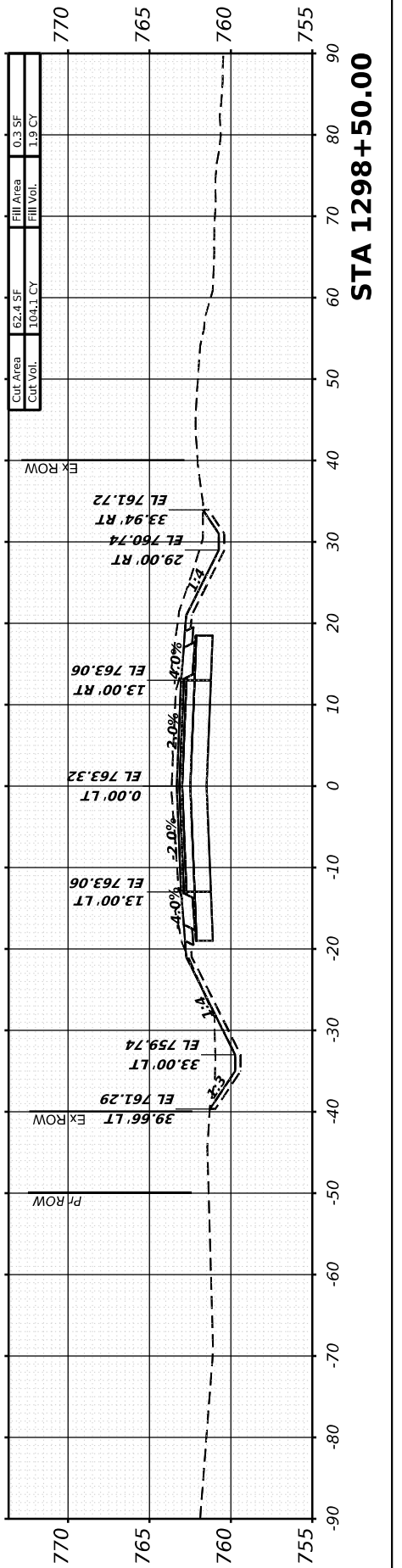
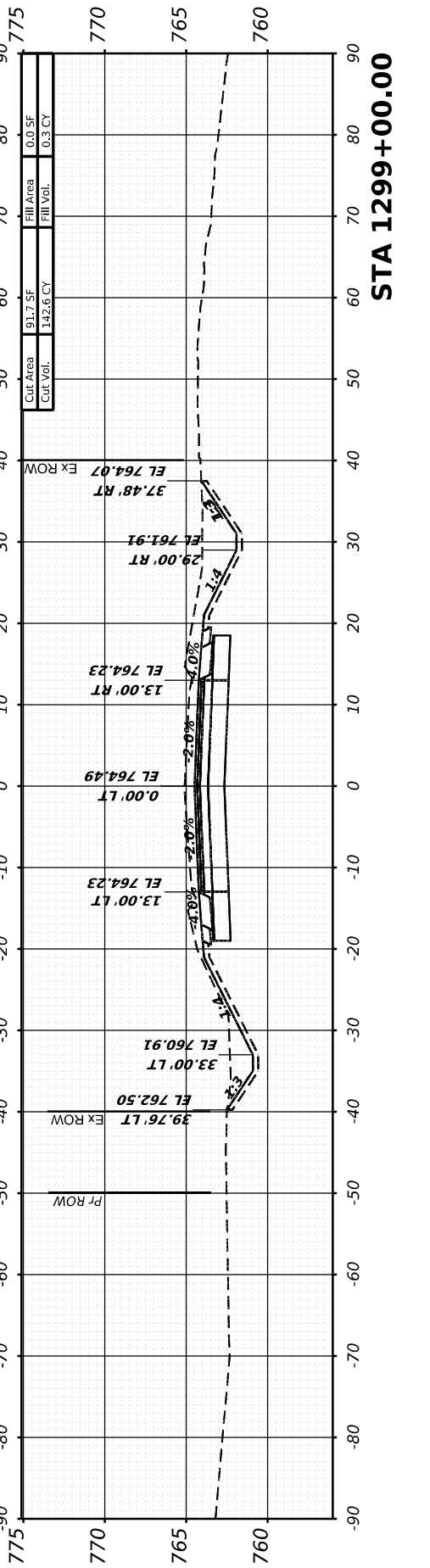
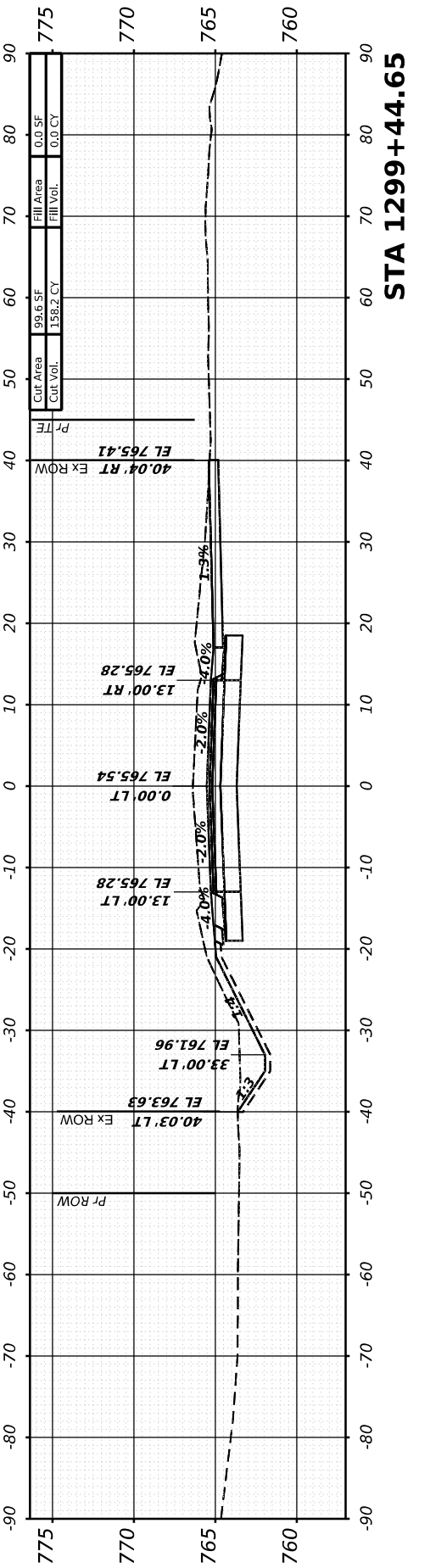
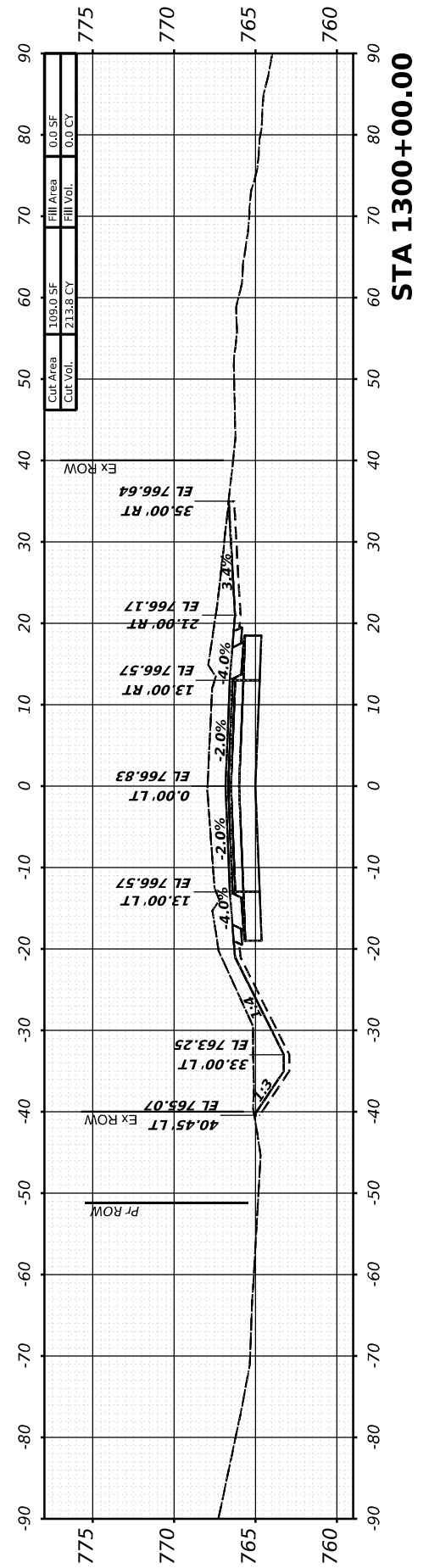
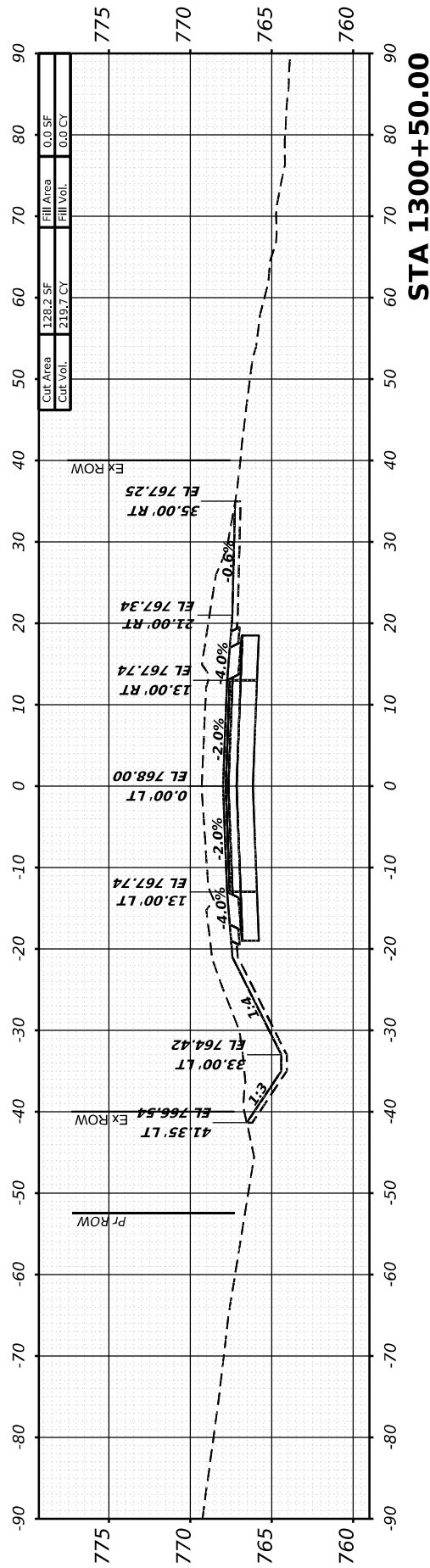
USER NAME	= Marc.A.Personette	DESIGNED	- PATRICK PAUSER	REVISED	-
DRAWN	- PATRICK PAUSER	REVISIONS	-		
PLOT SCALE	= 0.0833333117 1/16"	CHECKED	- BRAD LANGE	REVISED	-
PLOT DATE	= 3/28/2026	DATE	- 3/28/2026	REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 IL ROUTE 81**

SCALE: 1" = 20' SHEET 2 OF 40 SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	353
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				



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

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

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 FILE NAME: W:\2000\02\00\MicroStation\CAD\_Sheets\Cross-Sections\02\_64L94-SPR-IL81\_xssht.dgn



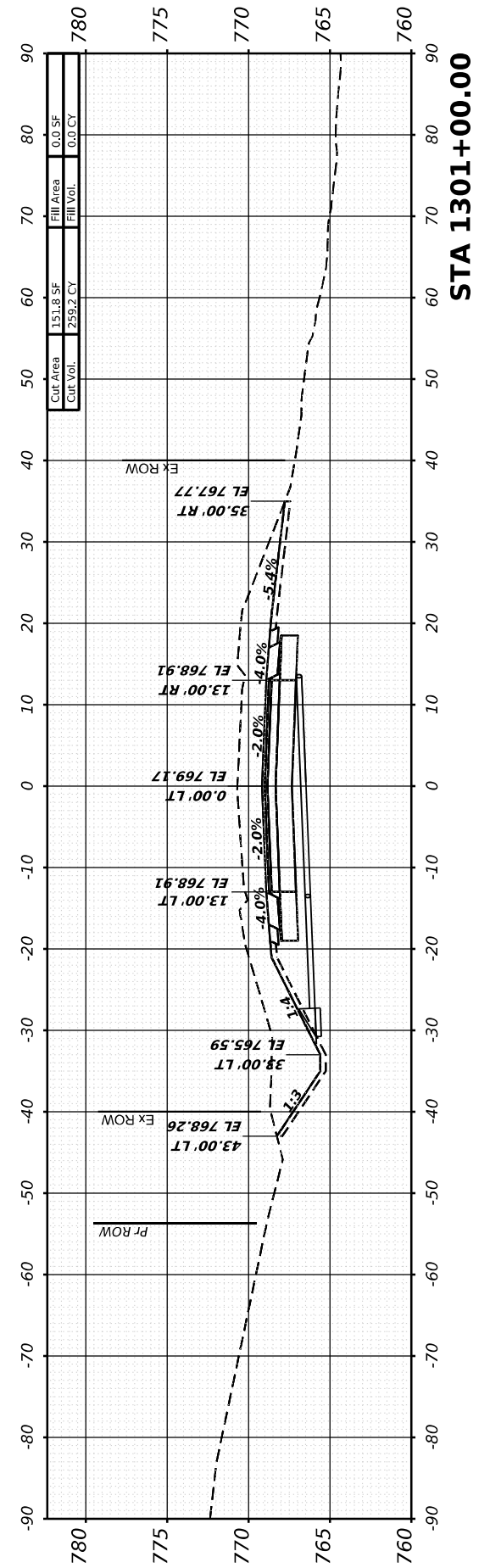
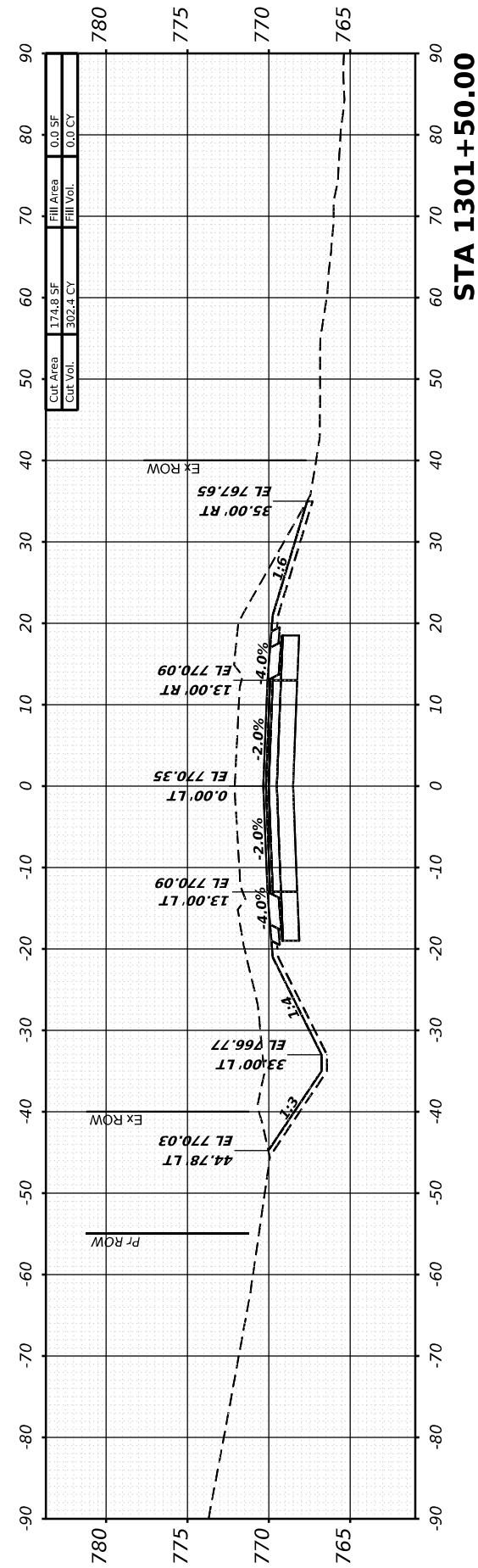
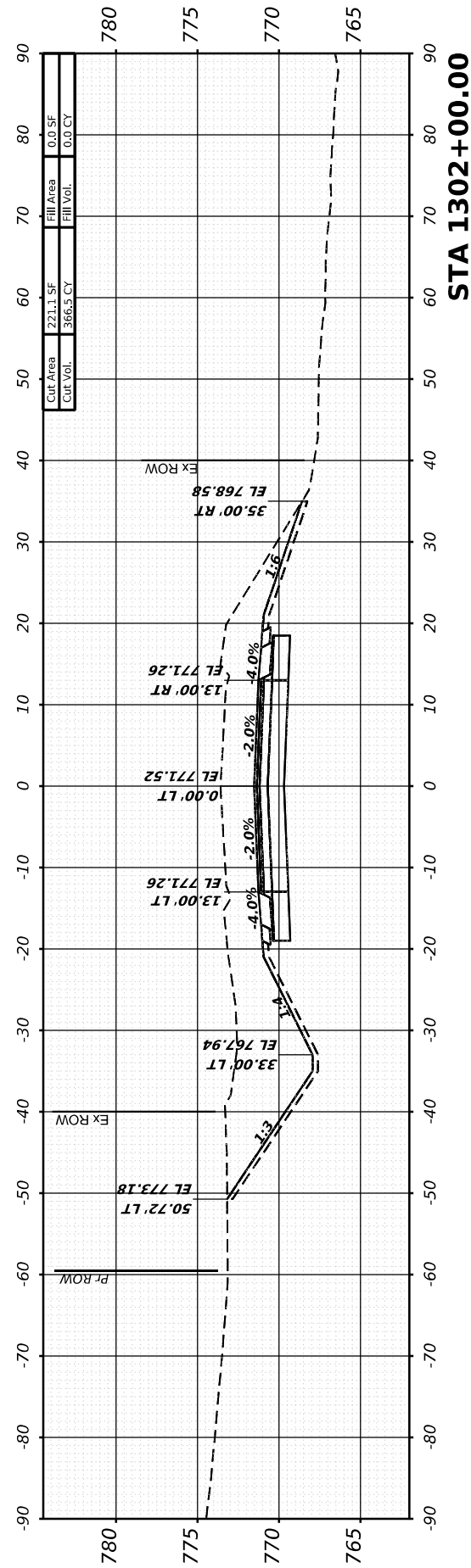
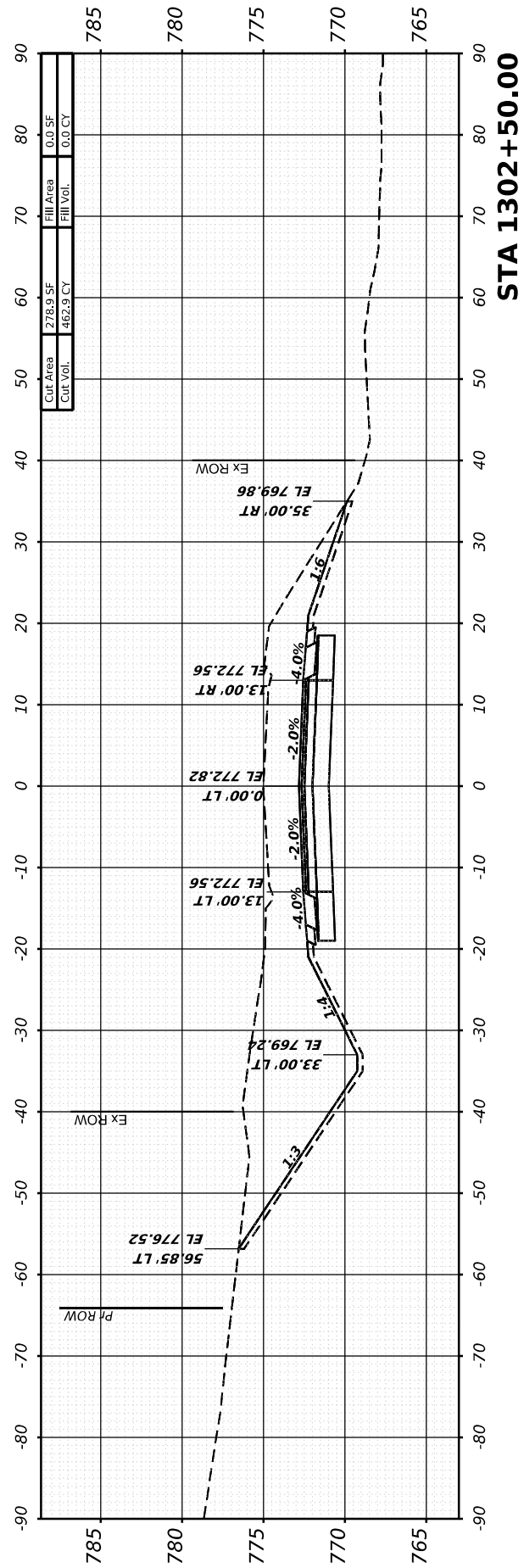
USER NAME =	Marc.A.Personette	DESIGNED -	PATRICK PAUSER	REVISED -	
PLOT SCALE =	0.08333317 1/1 in.	DRAWN -	PATRICK PAUSER	REVISED -	
PLOT DATE =	3/28/2026	CHECKED -	BRAD LANGE	REVISED -	
		DATE -	3/28/2026	REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 IL ROUTE 81**

SCALE: 1" = 20'    SHEET 3    OF 40 SHEETS    STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	354
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				



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

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

MODEL: I:\81 - 1303+00.00 (Sheet)  
 FILE NAME: W:\2000\02\2000\microStation\CAD\_Sheets\Cross-Sections\02\_64L94-SPRIL81\_xssht.dgn



401 E. STATE ST, 4th Floor  
 ROCKFORD, IL 61104  
 PH: 815.965.6400  
 www.imegcorp.com

USER NAME	= Marc.A.Personette
DESIGNED	- PATRICK PAUSER
DRAWN	- PATRICK PAUSER
CHECKED	- BRAD LANGE
DATE	- 3/28/2026
PLOT SCALE	= 0.08333317 1/ in.
PLOT DATE	= 3/28/2026

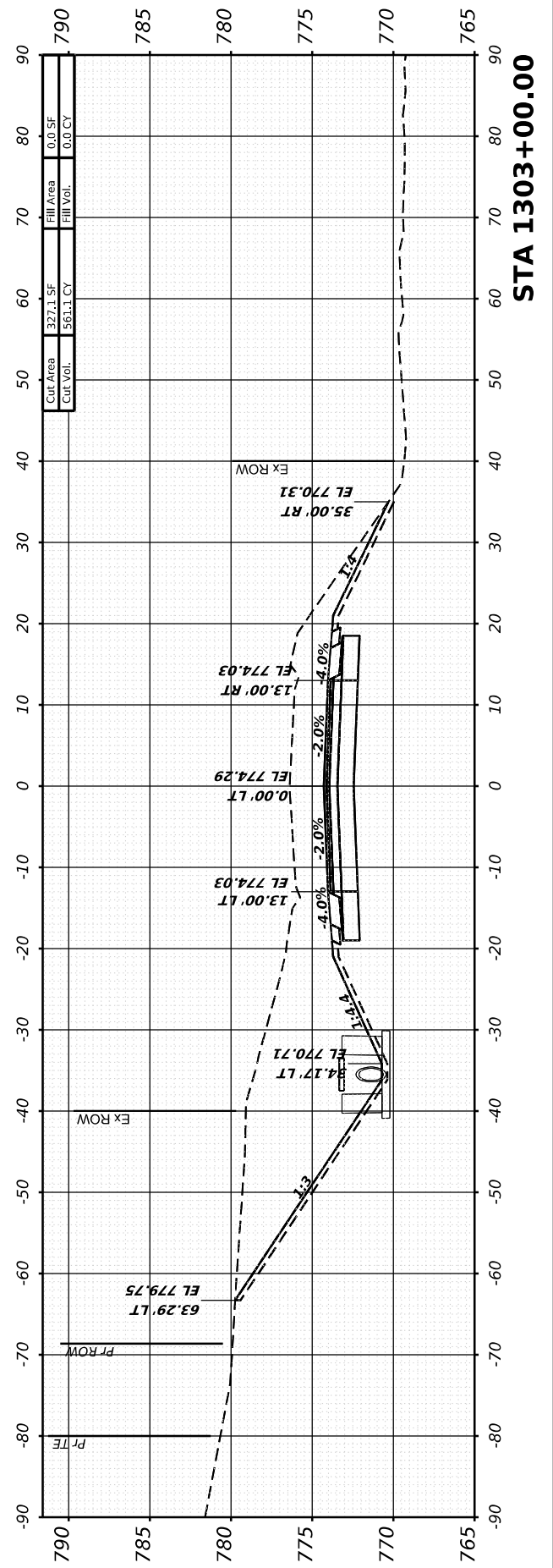
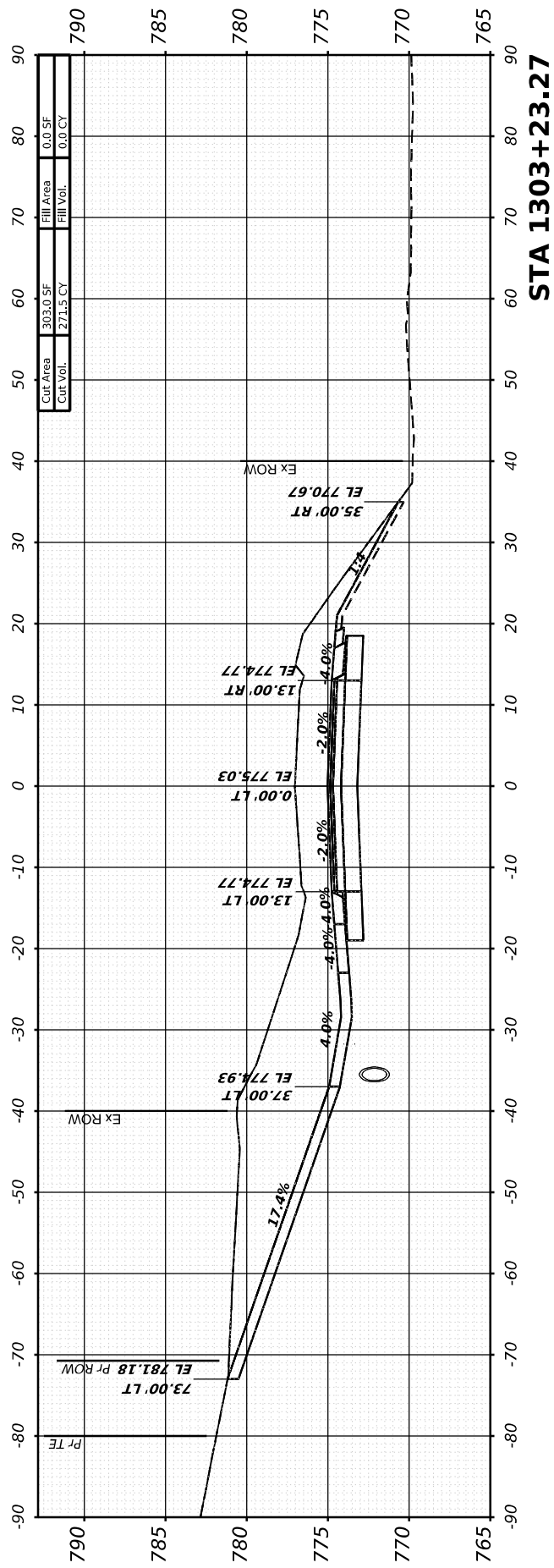
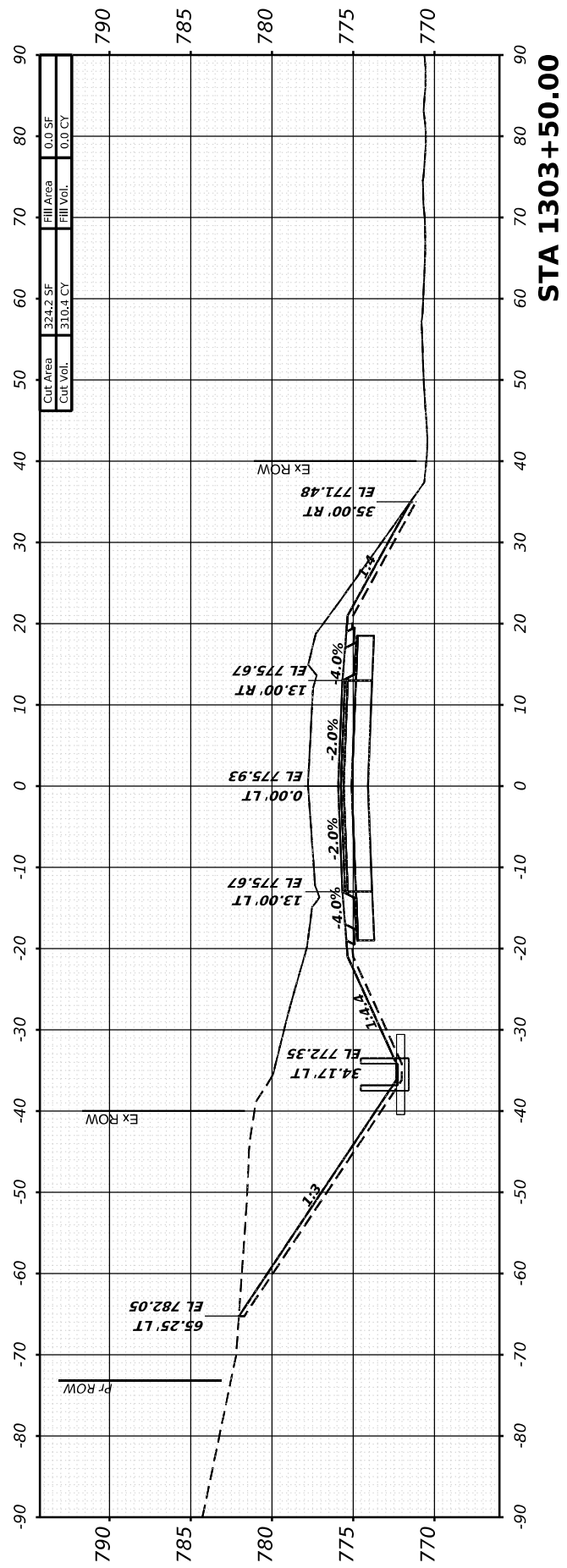
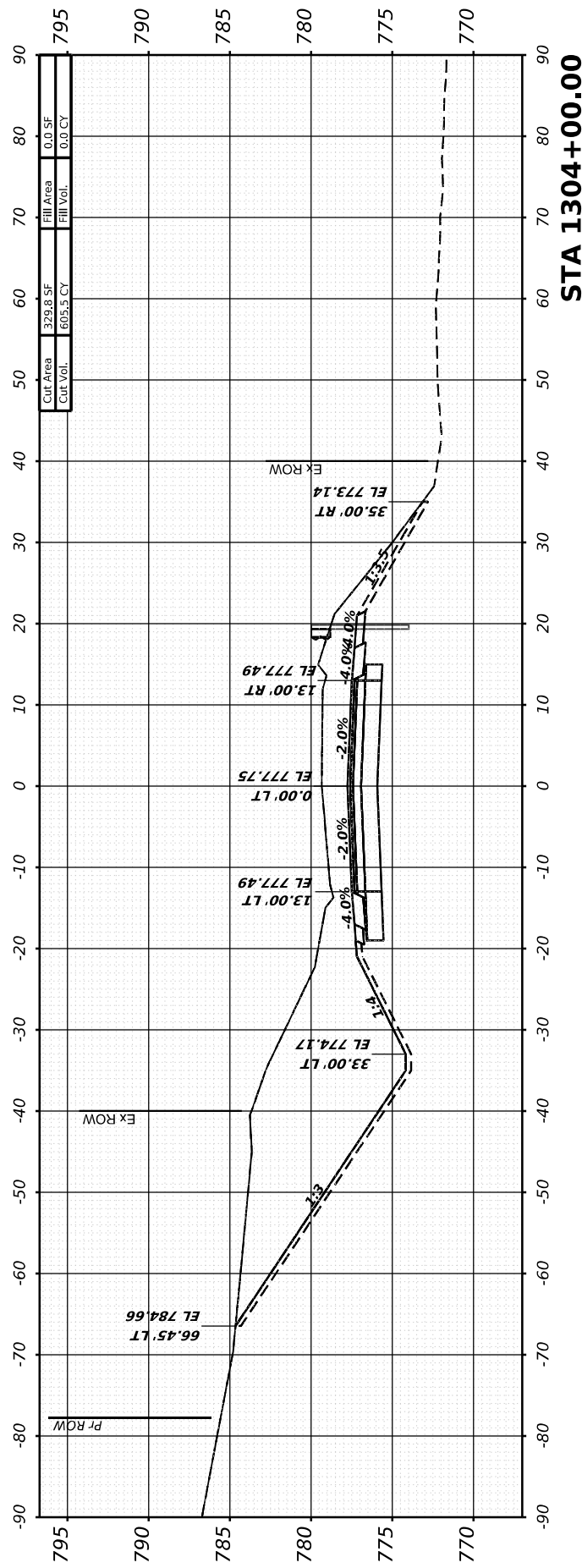
DESIGNED	- PATRICK PAUSER	REVISED	-
DRAWN	- PATRICK PAUSER	REVISED	-
CHECKED	- BRAD LANGE	REVISED	-
DATE	- 3/28/2026	REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 IL ROUTE 81**

SCALE: 1" = 20' SHEET 4 OF 40 SHEETS STA.

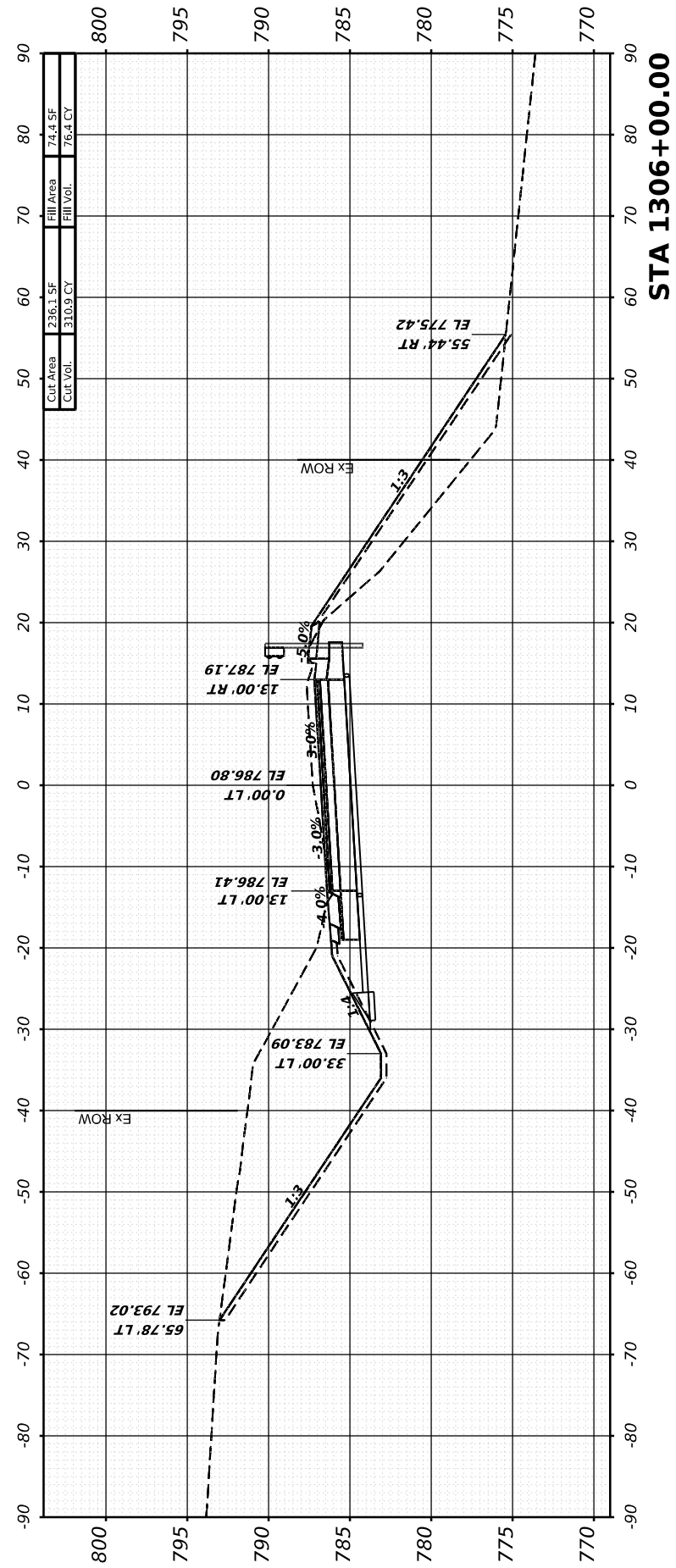
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	355
				CONTRACT NO. 64L94
ILLINOIS FED. AID PROJECT				



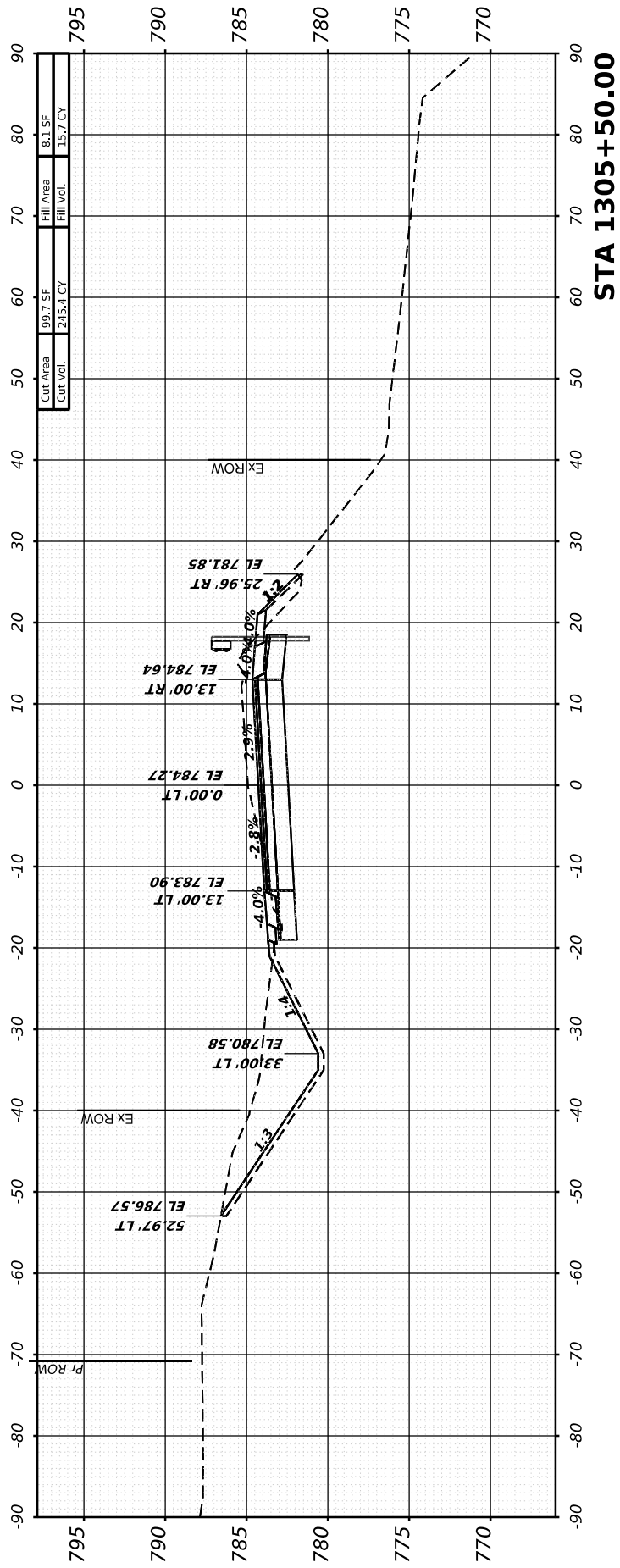
FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		
	AREAS CHECKED		

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

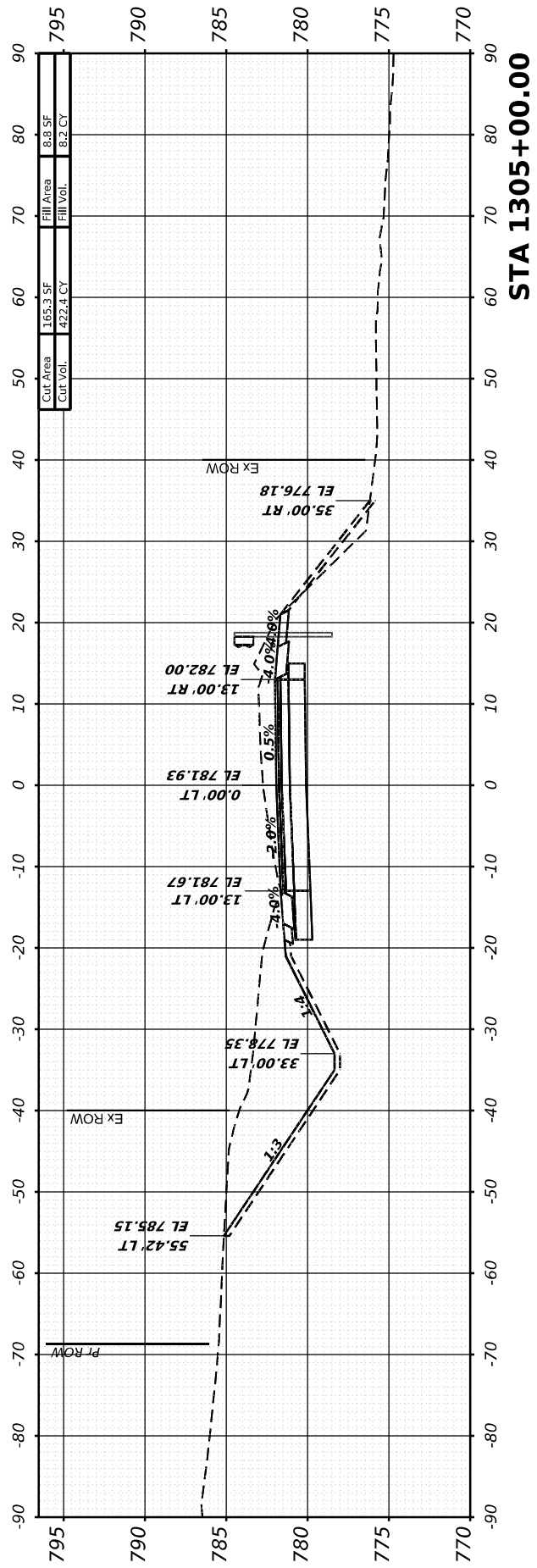
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 FILE NAME: W:\2000\02\2000\microstation\CAD\_Sheets\Cross-Sections\02\_64L94-SPR-I181\_xssht.dgn



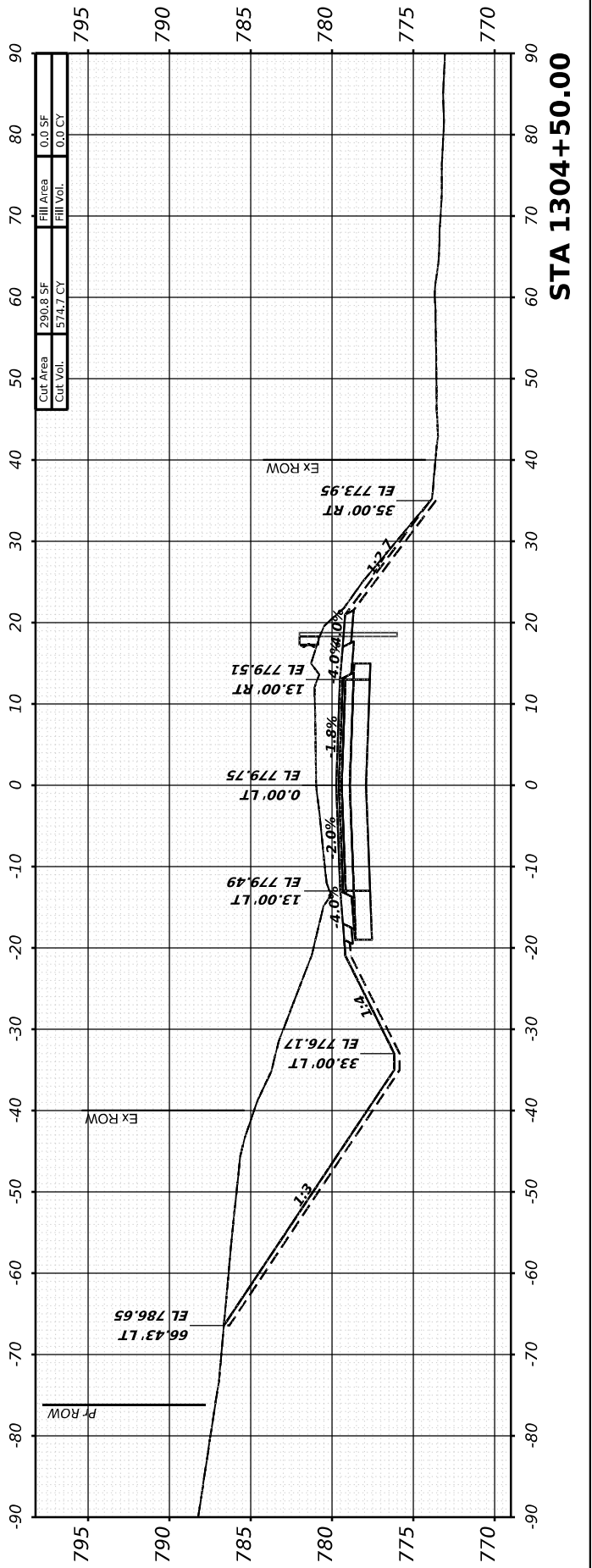
STA 1306+00.00



STA 1305+50.00



STA 1305+00.00



STA 1304+50.00



USER NAME	= Marc.A.Personette
DESIGNED	- PATRICK PAUSER
DRAWN	- PATRICK PAUSER
PLLOT SCALE	= 0.083333317 1/ in.
PLLOT DATE	= 3/28/2026

DESIGNED	- PATRICK PAUSER
DRAWN	- PATRICK PAUSER
CHECKED	- BRAD LANGE
DATE	- 3/28/2026

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
IL ROUTE 81

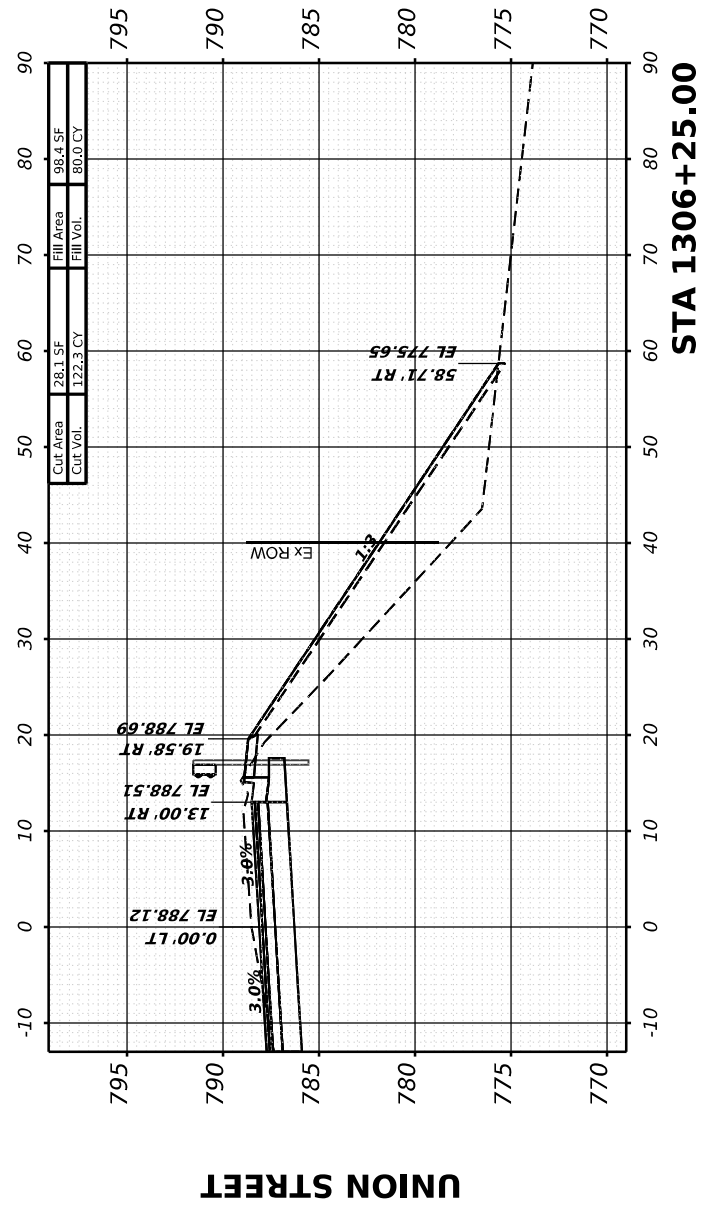
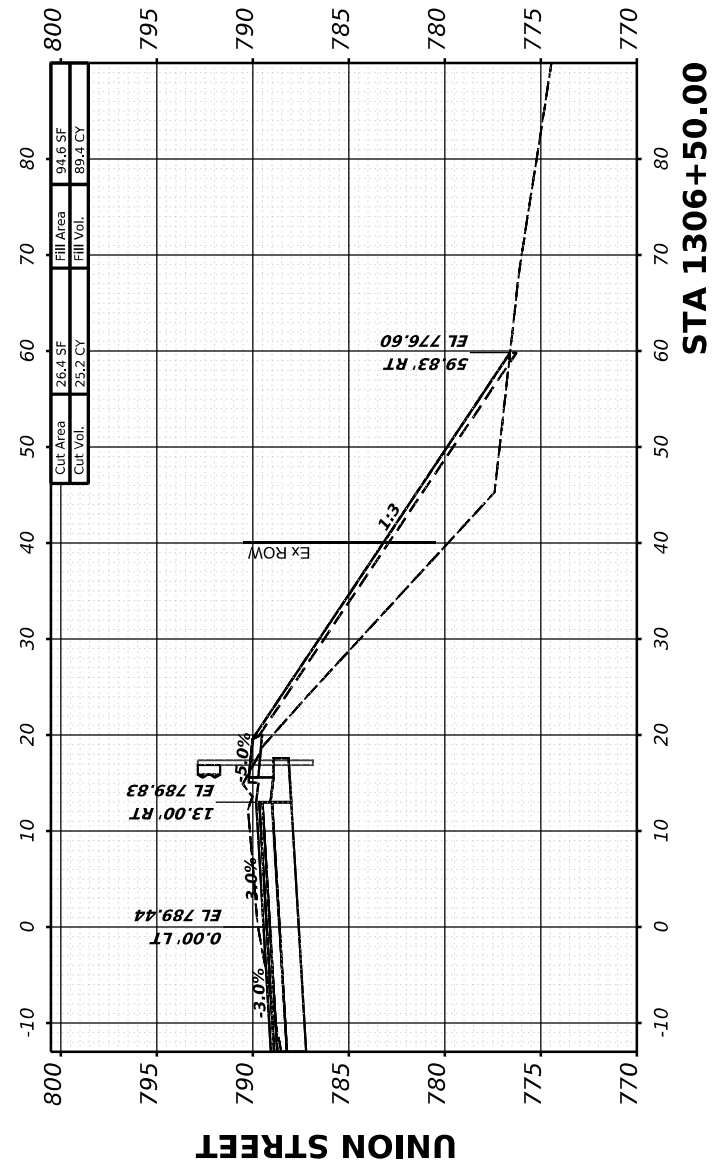
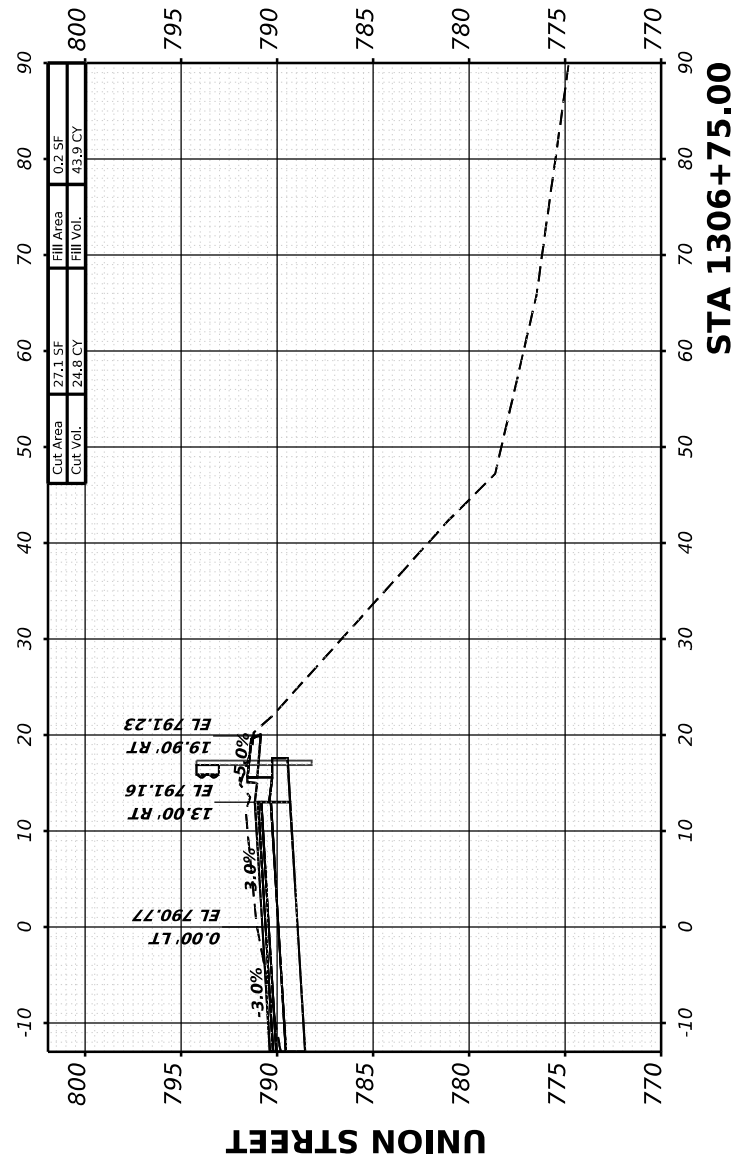
SCALE: 1" = 20' SHEET 5 OF 40 SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	356
				CONTRACT NO. 64L94
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED BY	DATE

ORIGINAL SURVEY NO.	SURVEYED BY	DATE

MODEL: IL81 - 1306+25.00 [Sheet]  
 FILE NAME: W:\2000\103\2000\MicroStation\CAD\_Sheets\Cross-Sections\02\_64L94-SPR-IL81\_xssht.dgn



USER NAME	= Marc.A.Personette
PLOT SCALE	= 0.08333317 1/1 in.
PLOT DATE	= 3/28/2026

DESIGNED	- PATRICK PAUSER
DRAWN	- PATRICK PAUSER
CHECKED	- BRAD LANGE
DATE	- 3/28/2026

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 IL ROUTE 81**

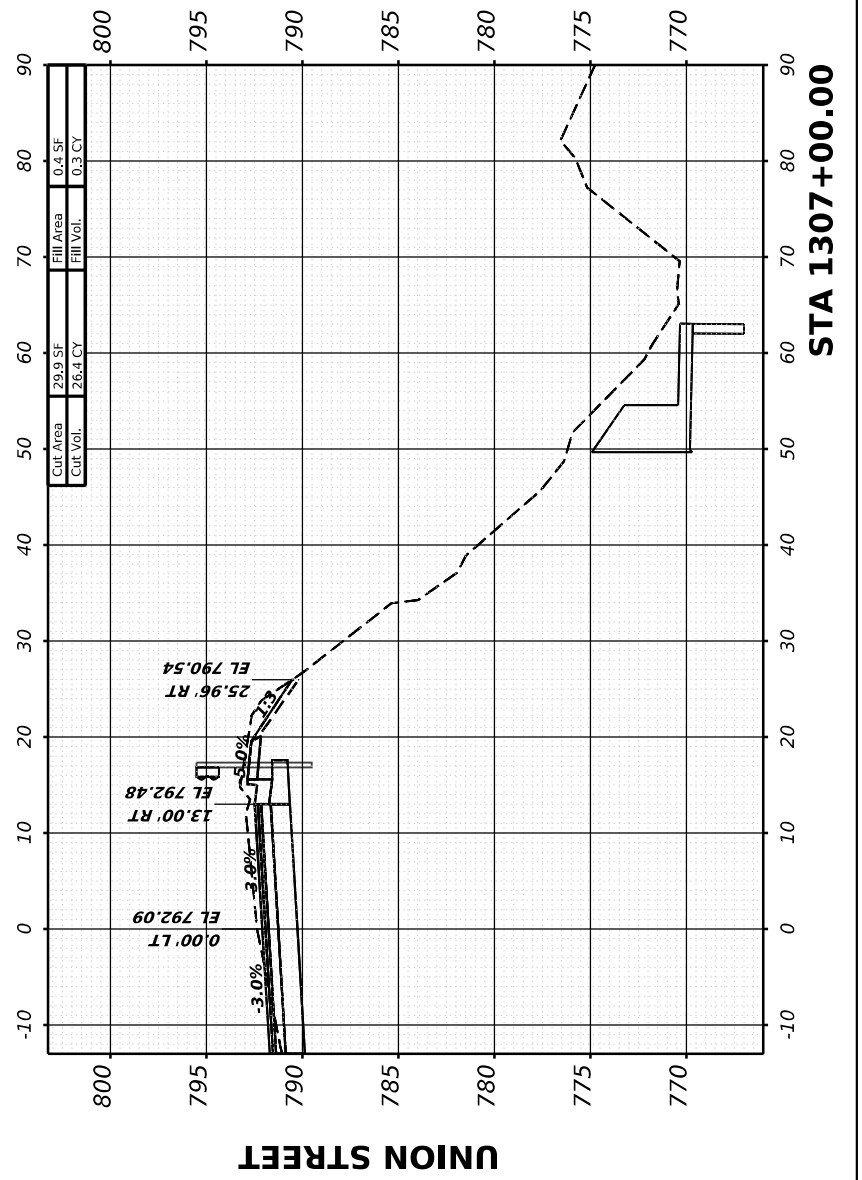
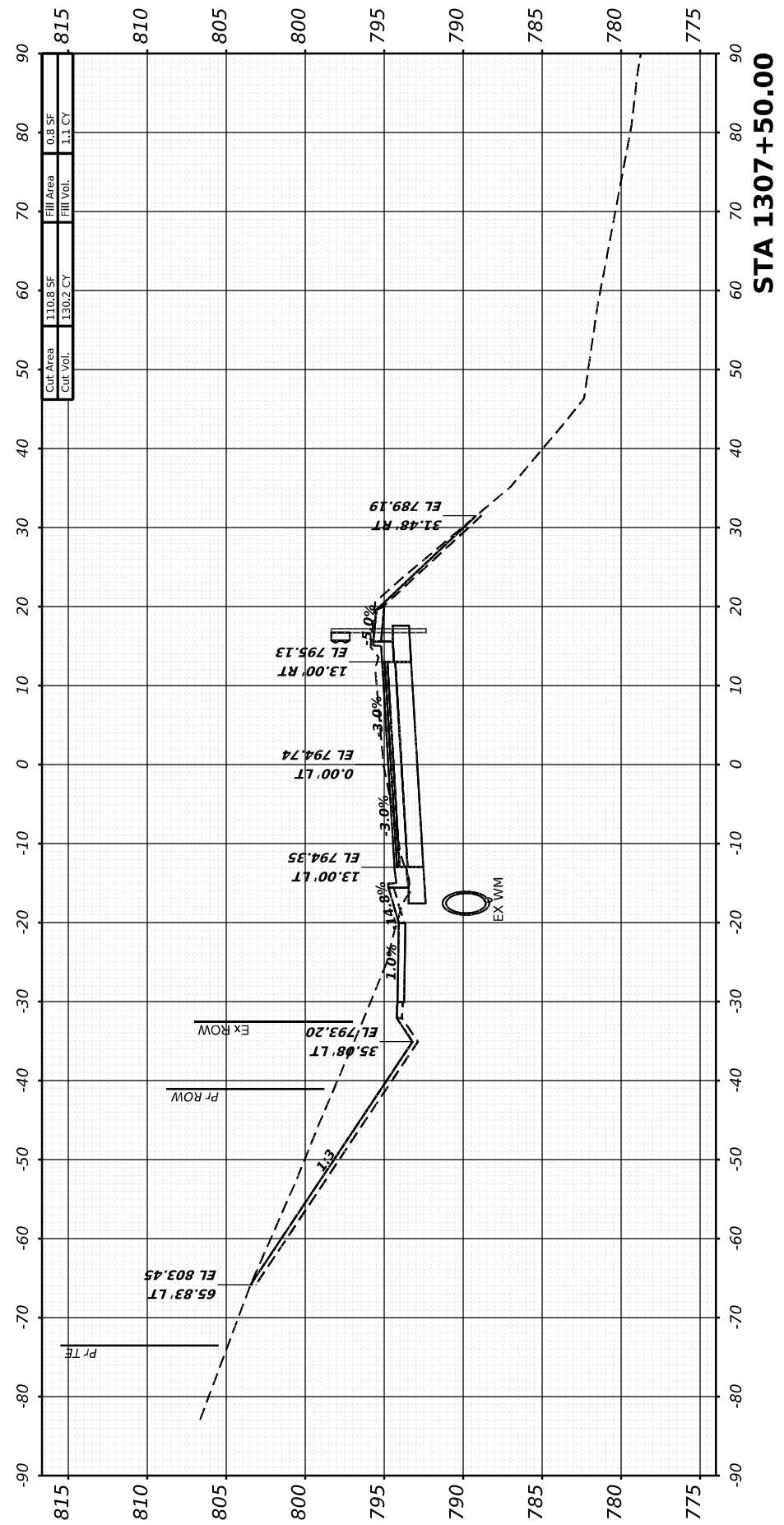
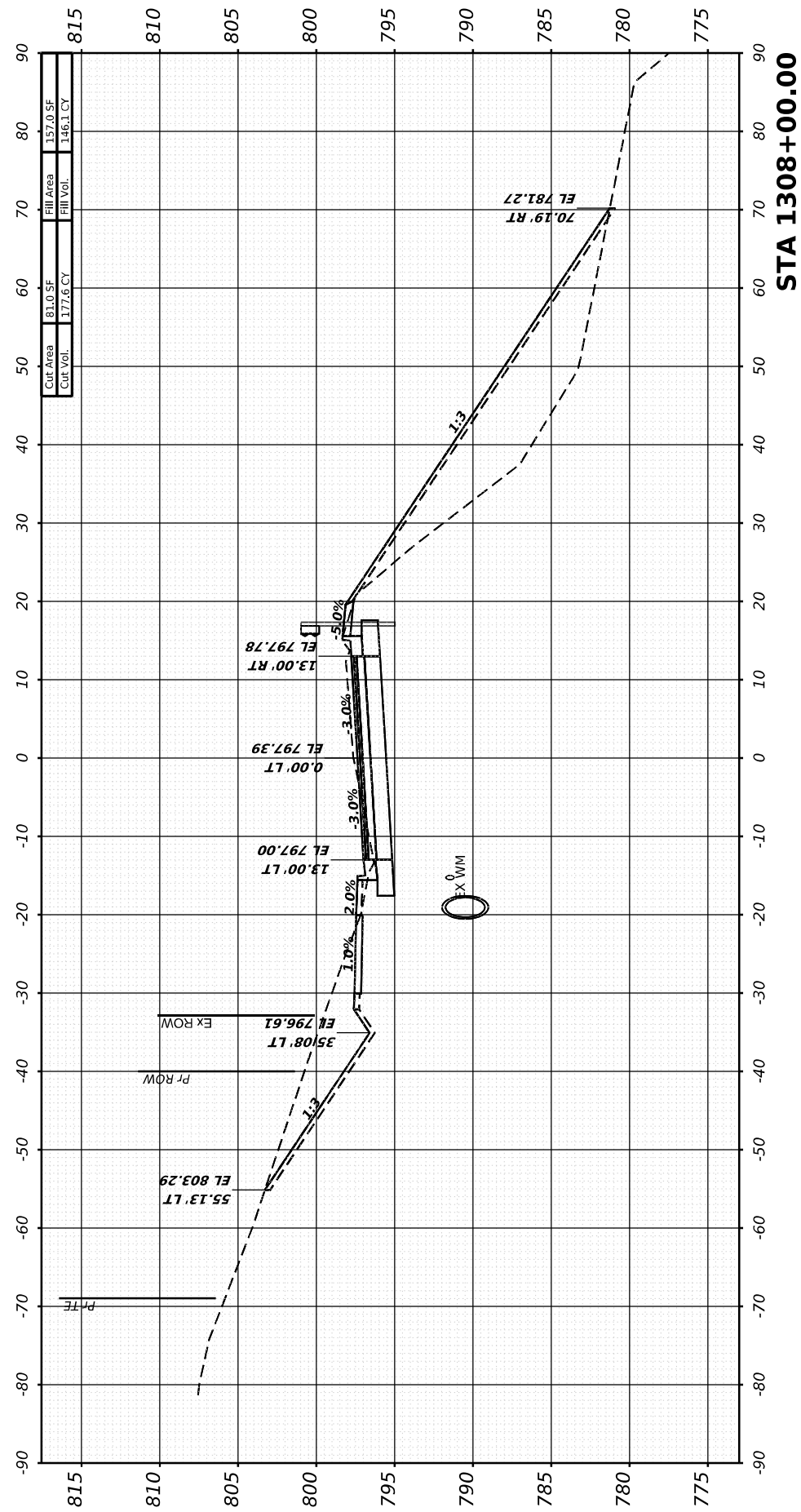
SCALE: 1" = 20' SHEET 6 OF 40 SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	357
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				

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

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

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USER NAME = Marc.A.Personette  
 PLOT SCALE = 0.08333331 1/ in.  
 PLOT DATE = 3/28/2026

DESIGNED - PATRICK PAUSER  
 DRAWN - PATRICK PAUSER  
 CHECKED - BRAD LANGE  
 DATE - 3/28/2026

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 IL ROUTE 81

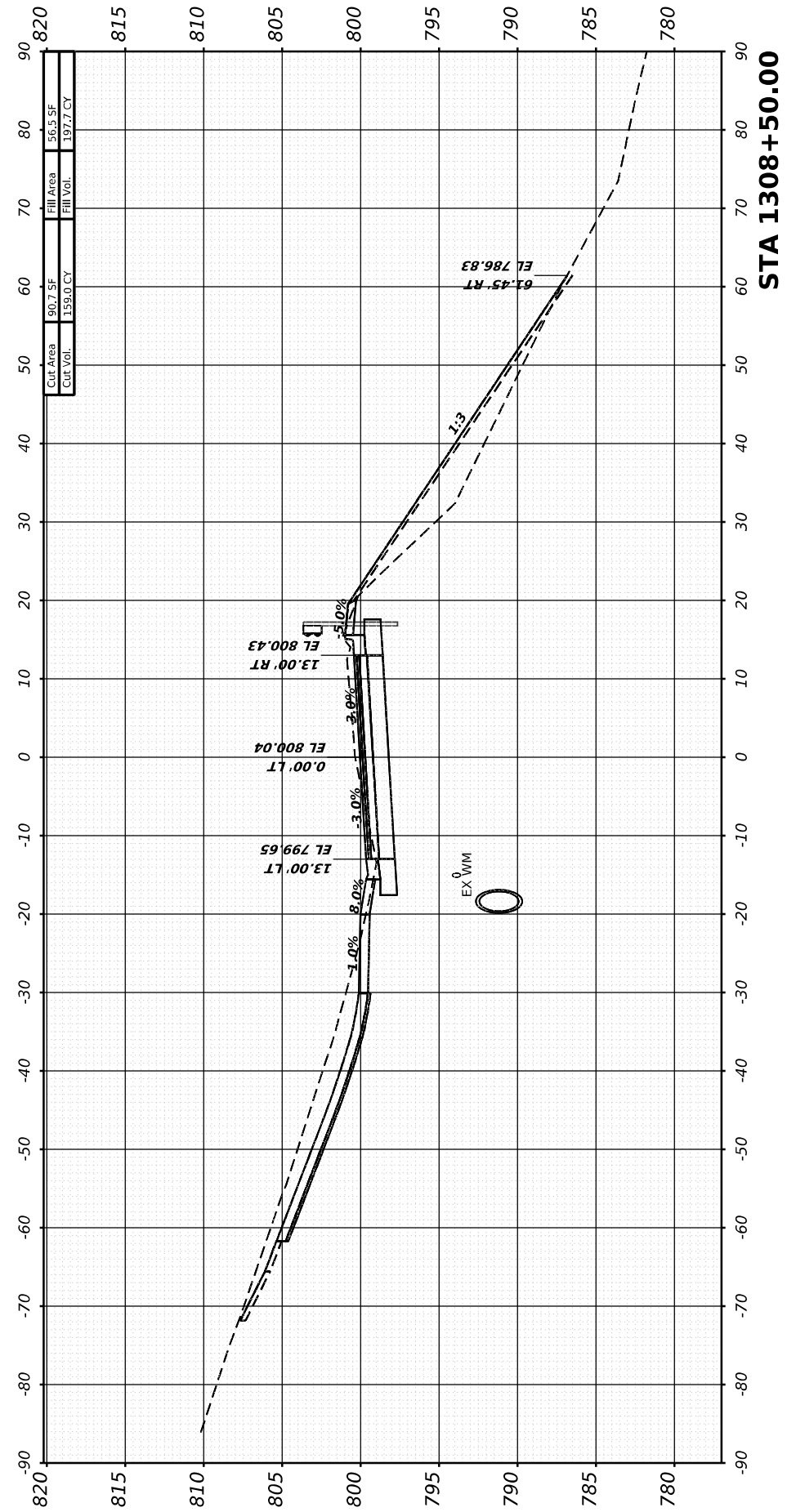
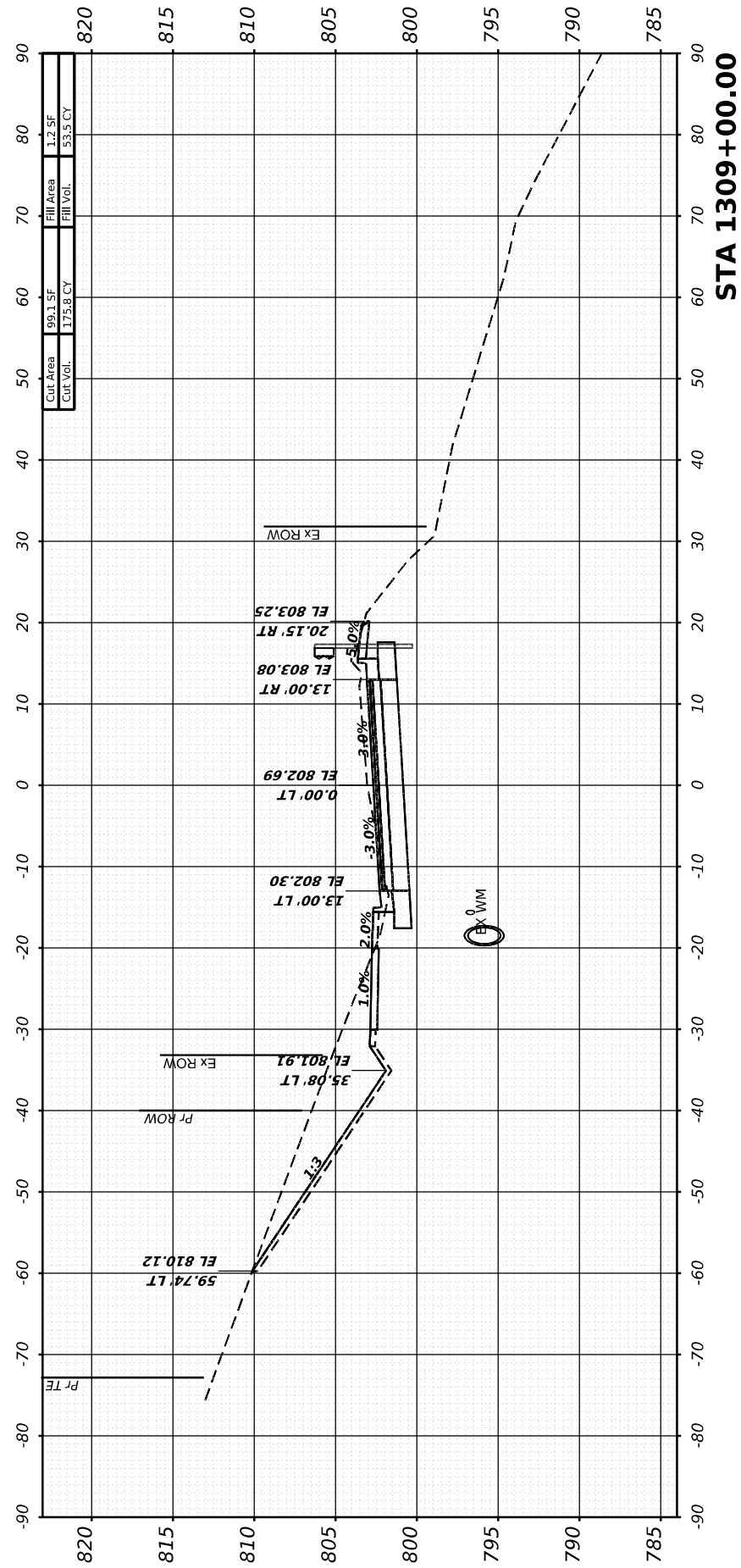
SCALE: 1" = 20' SHEET 7 OF 40 SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	358
			CONTRACT NO. 64L94	
ILLINOIS FED. AID PROJECT				

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

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

MODEL: IL81 - 1308+41.84 (Sheet)  
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USER NAME	= Marc.A.Personette
DESIGNED	- PATRICK PAUSER
DRAWN	- PATRICK PAUSER
CHECKED	- BRAD LANGE
DATE	- 3/28/2026
PLOT SCALE	= 0.08333317 1/ in.
PLOT DATE	= 3/28/2026

DESIGNED	- PATRICK PAUSER	REVISED	-
DRAWN	- PATRICK PAUSER	REVISED	-
CHECKED	- BRAD LANGE	REVISED	-
DATE	- 3/28/2026	REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
IL ROUTE 81**

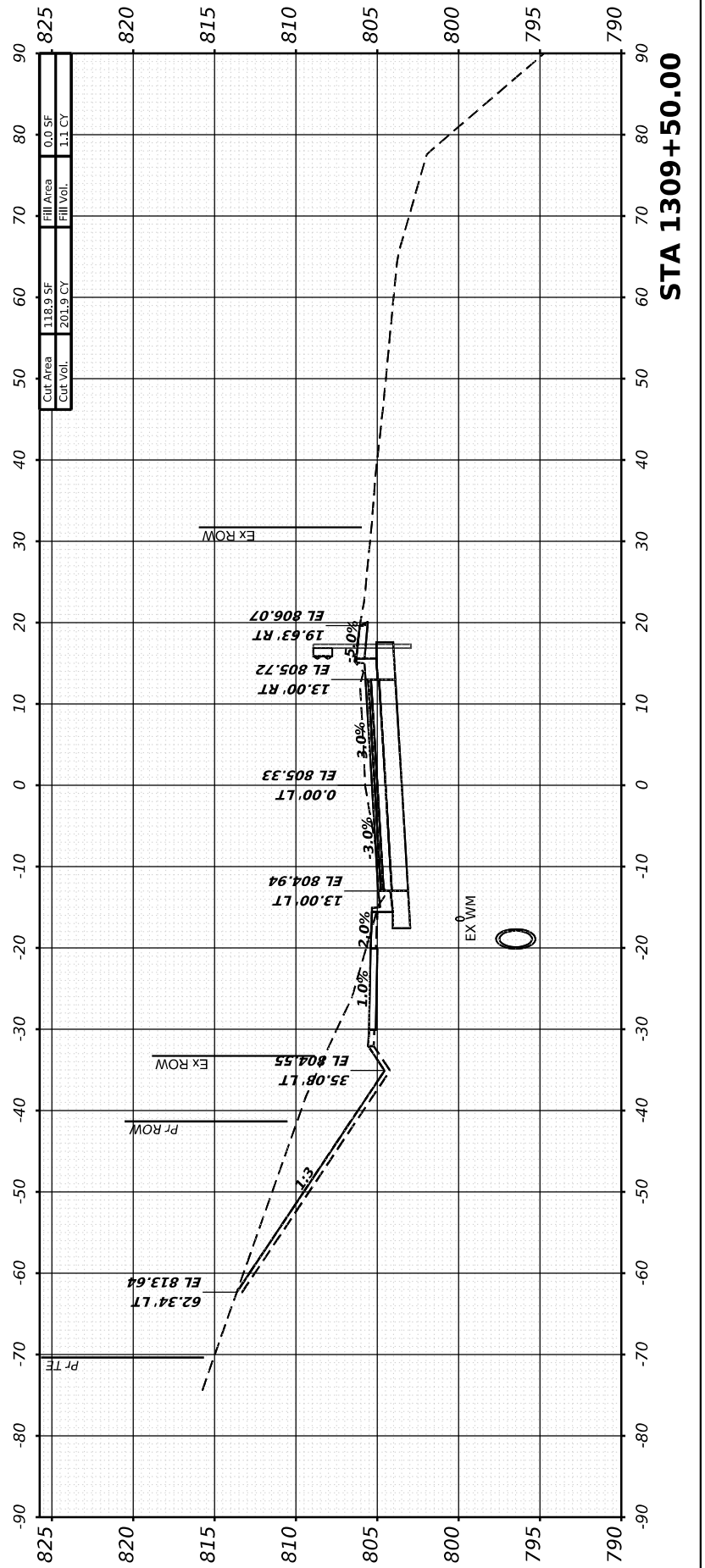
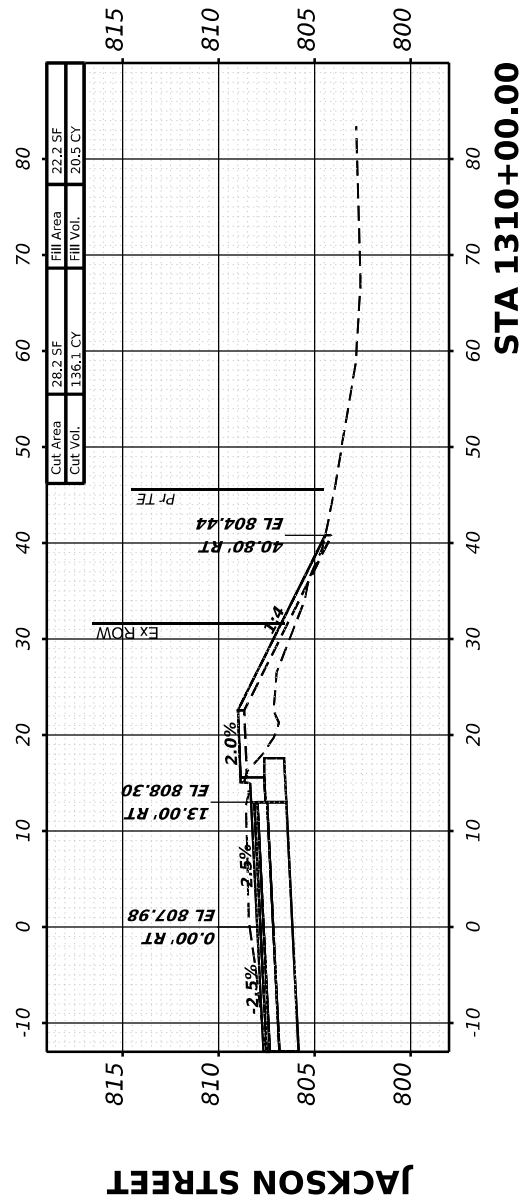
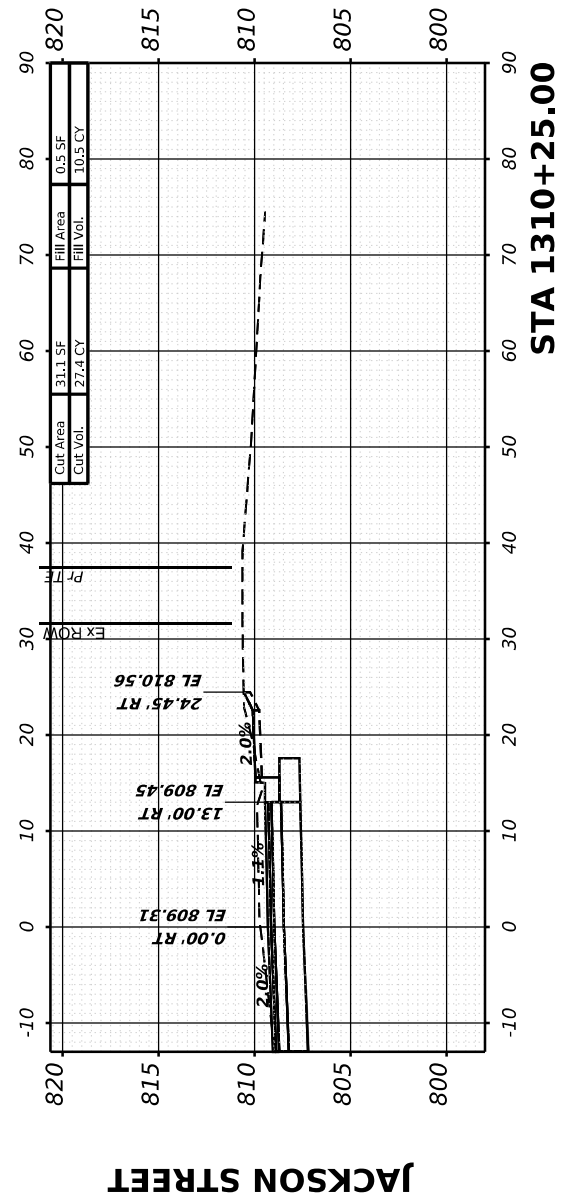
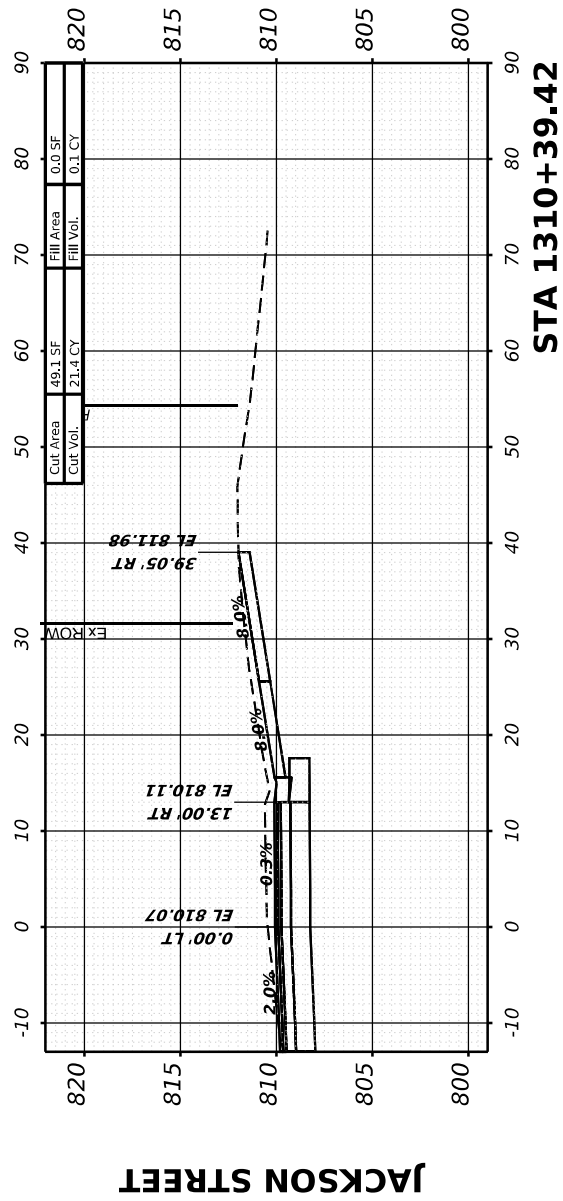
SCALE: 1" = 20' SHEET 8 OF 40 SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	359
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: I181 - 1309+50.00-1 (Sheet)  
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USER NAME = Marc.A.Personette  
 PLOT SCALE = 0.08333317 1/ in.  
 PLOT DATE = 3/28/2026

DESIGNED - PATRICK PAUSER  
 DRAWN - PATRICK PAUSER  
 CHECKED - BRAD LANGE  
 DATE - 3/28/2026

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 IL ROUTE 81

SCALE: 1" = 20' SHEET 9 OF 40 SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	360
CONTRACT NO. 64L94				

ILLINOIS FED. AID PROJECT

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

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

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USER NAME = Marc.A.Personette  
 DESIGNED - PATRICK PAUSER  
 DRAWN - PATRICK PAUSER  
 CHECKED - BRAD LANGE  
 DATE - 3/28/2026

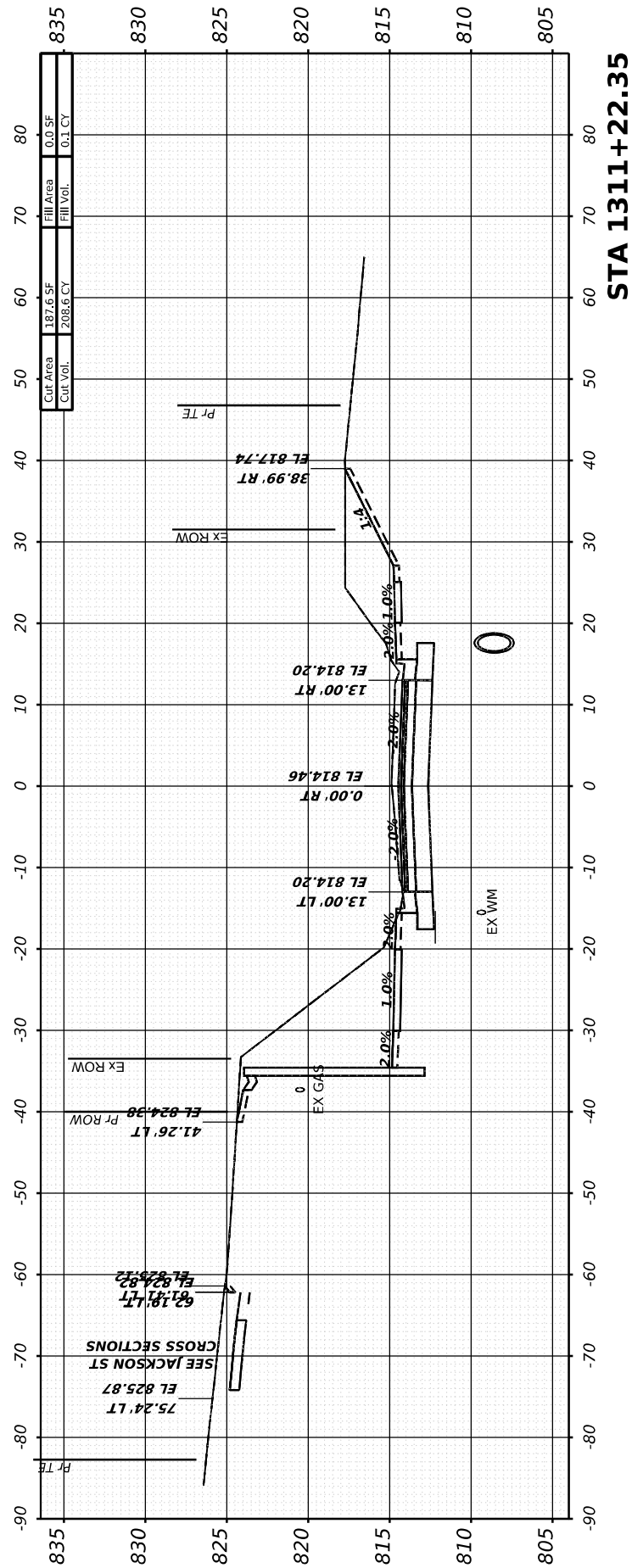
REVISIONS  
 REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

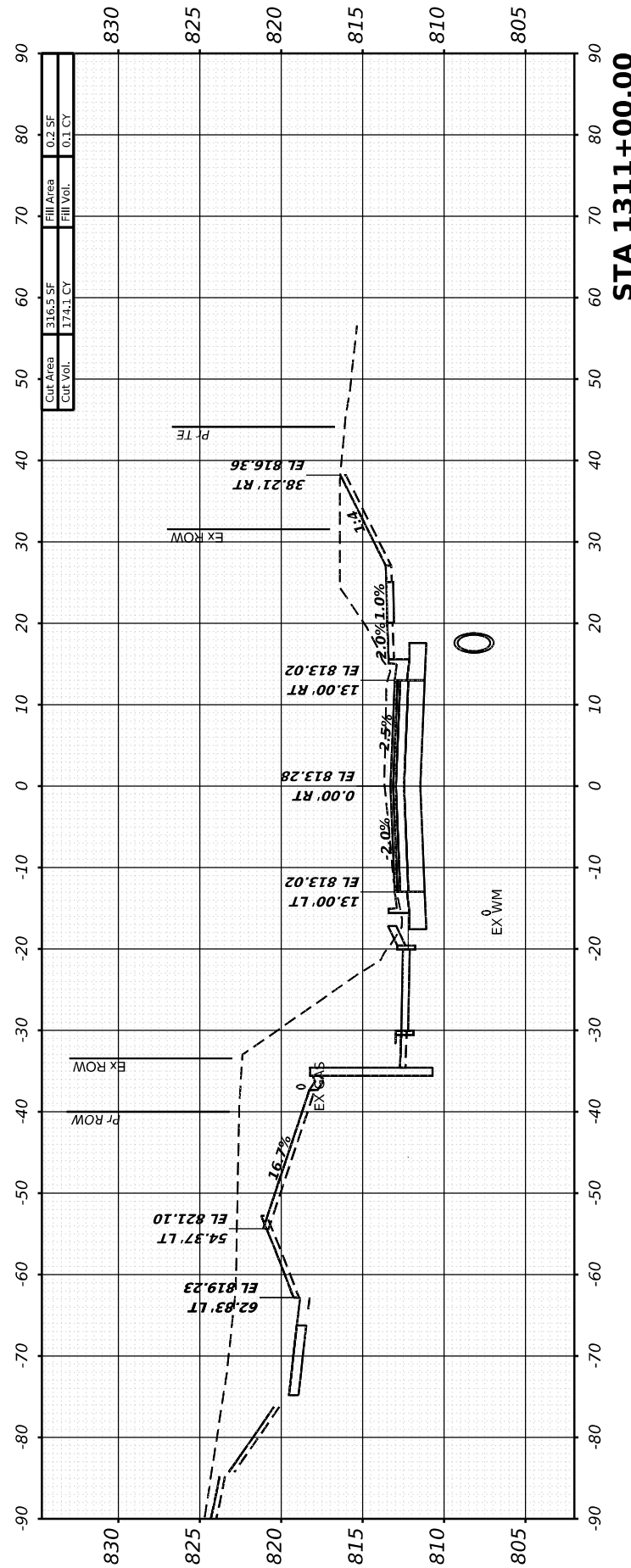
**CROSS SECTIONS  
 IL ROUTE 81**

SCALE: 1" = 20' SHEET 10 OF 40 SHEETS STA.

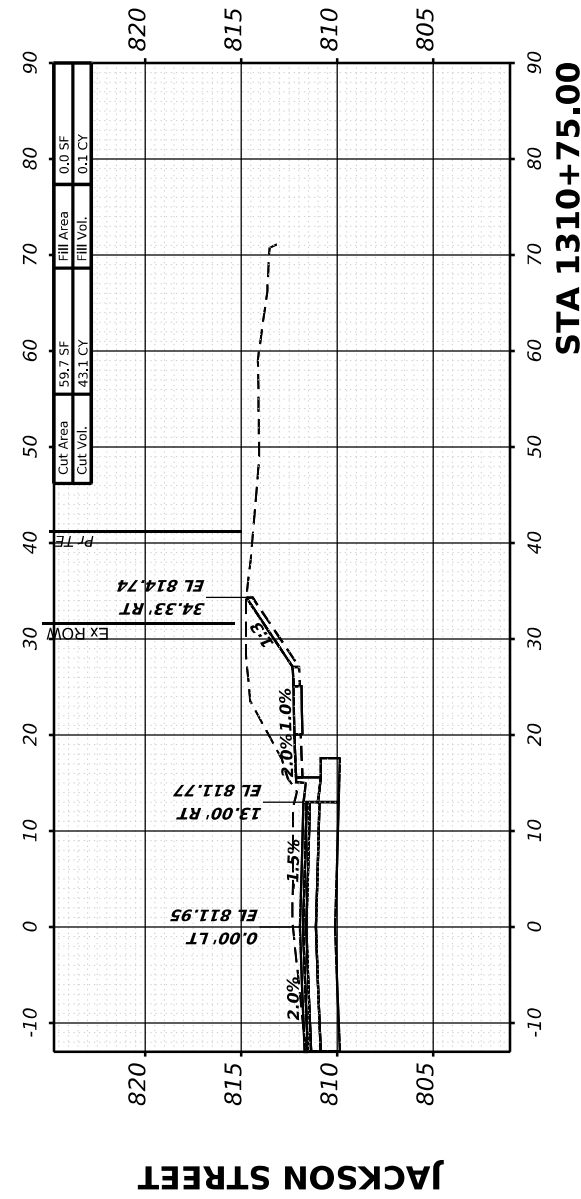
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	361
			CONTRACT NO. 64L94	
ILLINOIS FED. AID PROJECT				



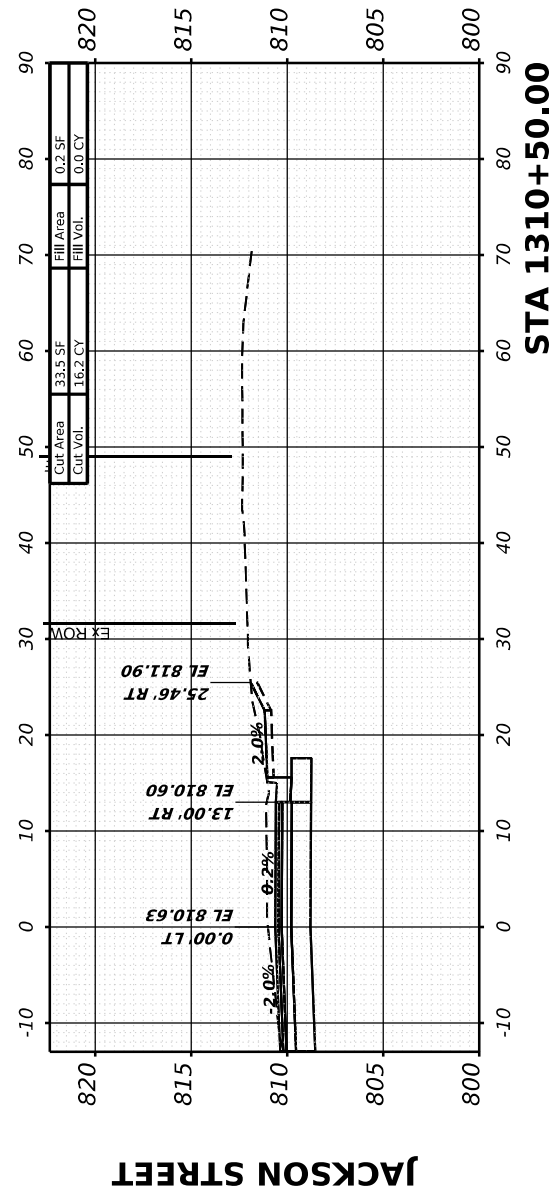
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**STA 1311+00.00**



**STA 1310+75.00**

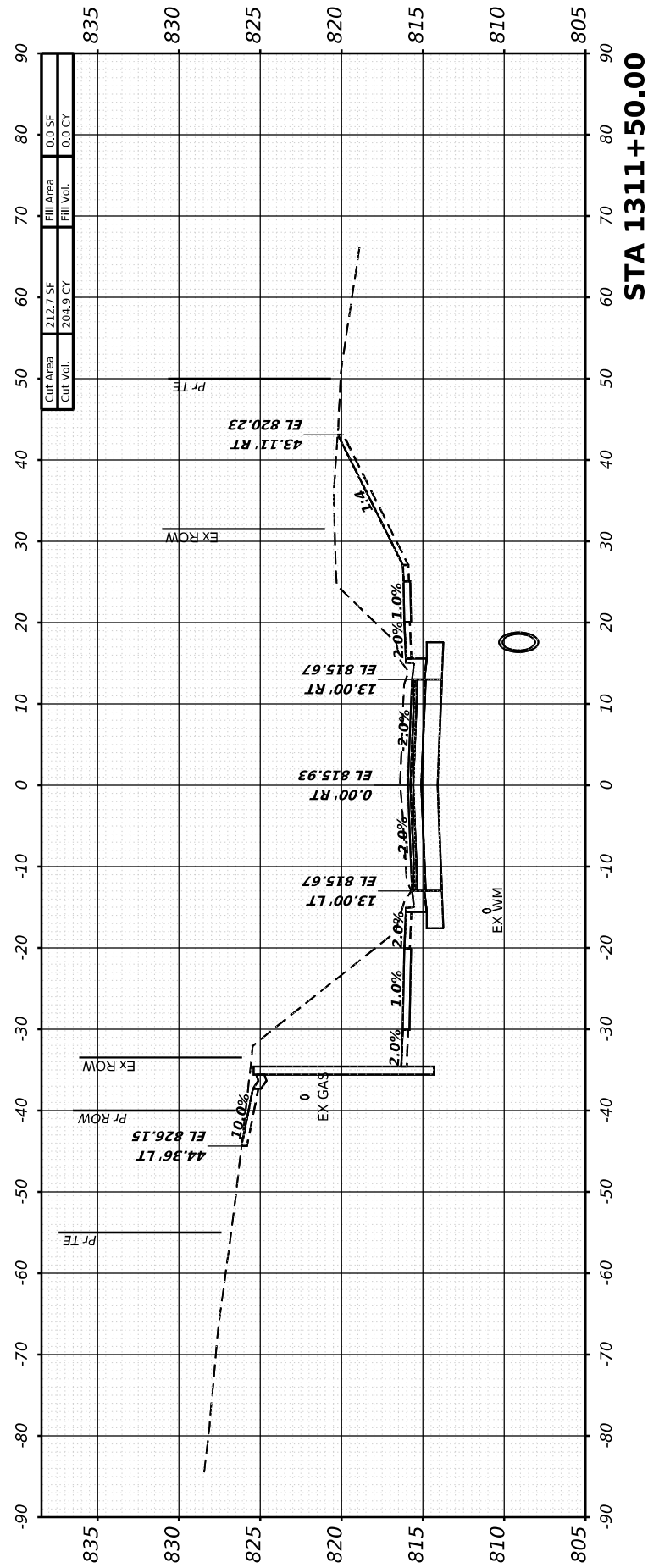
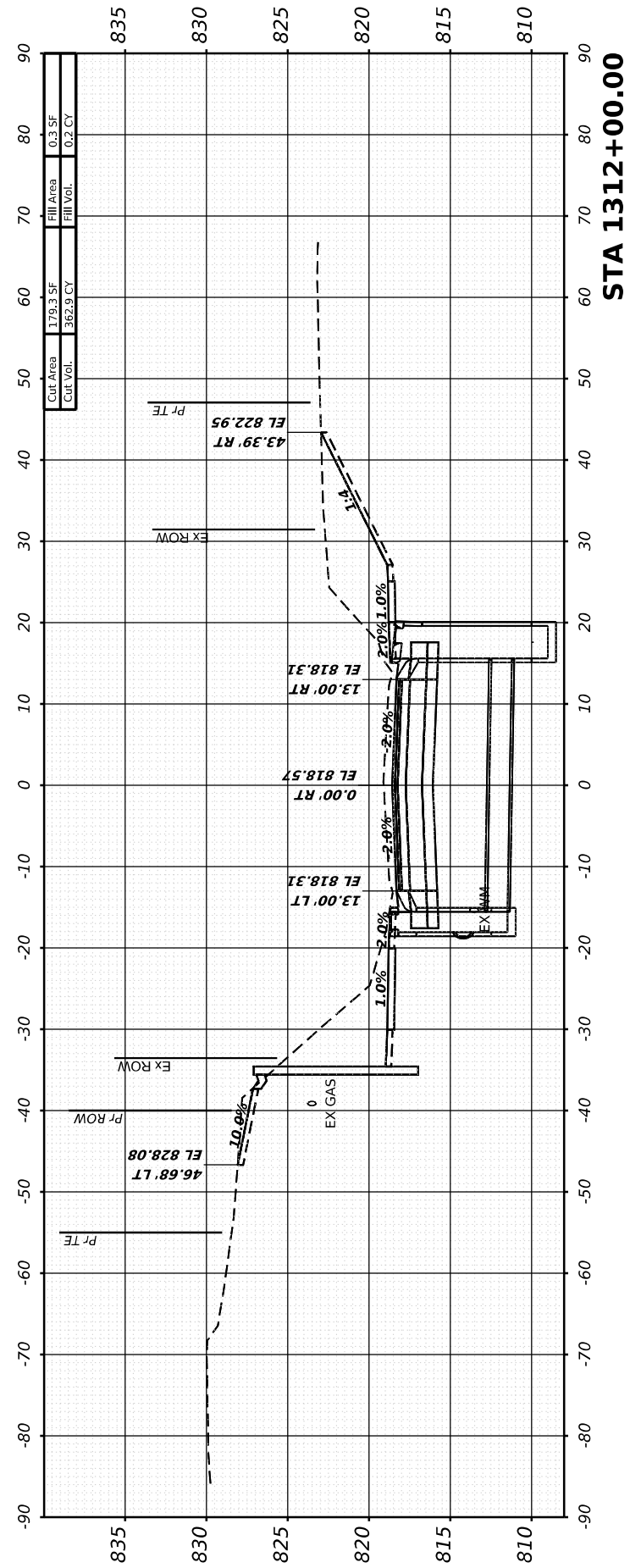
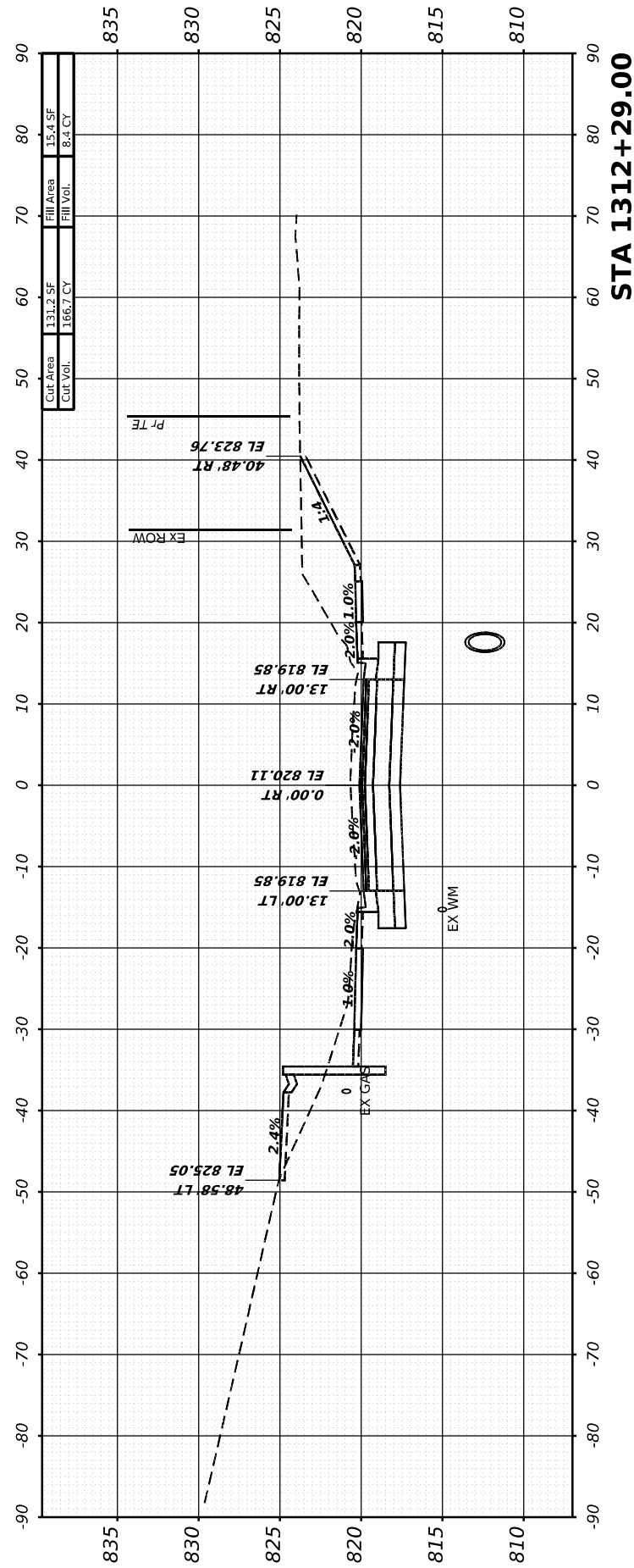


**STA 1310+50.00**

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

MODEL: I181 - 1311+50.00 [Sheet]  
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USER NAME =	Marc.A.Personette
DESIGNED -	PATRICK PAUSER
DRAWN -	PATRICK PAUSER
CHECKED -	BRAD LANGE
DATE -	3/28/2026

REVISED -	
REVISED -	
REVISED -	
REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 IL ROUTE 81**

SCALE: 1" = 20' SHEET 11 OF 40 SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	362
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: I181 - 1312+50.00 (Sheet)  
 FILE NAME: W:\2000\02\20\MicroStation\CAD\_Sheets\Cross-Sections\02\_64L94-SPR-I181\_xssht.dgn



401 E. STATE ST, 4th Floor  
 ROCKFORD, IL 61104  
 PH: 815.965.6400  
 WWW.IMEG.CORP.COM

USER NAME	= Marc.A.Personette
DESIGNED	- PATRICK PAUSER
DRAWN	- PATRICK PAUSER
PLotted SCALE	= 0.08333317 1/1 in.
CHECKED	- BRAD LANGE
PLotted DATE	= 3/28/2026

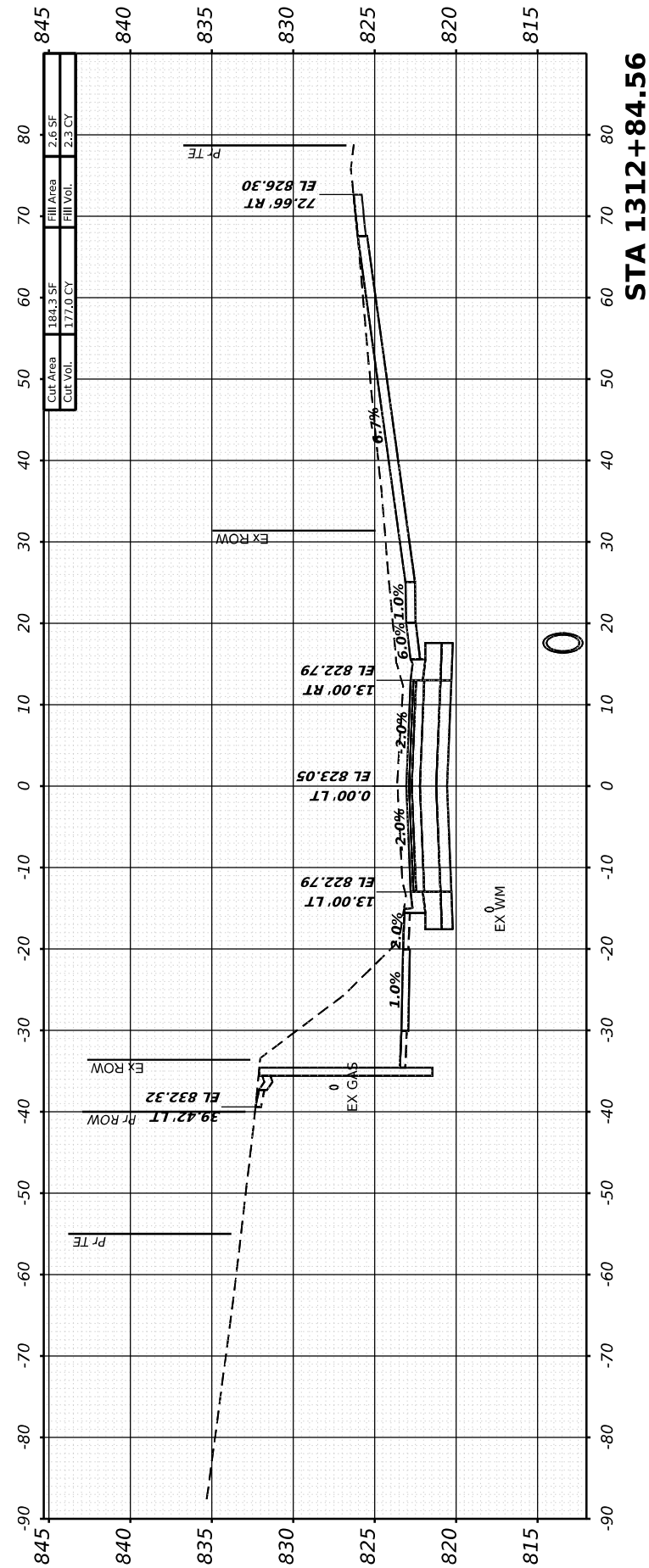
DESIGNED	- PATRICK PAUSER	REVISED	-
DRAWN	- PATRICK PAUSER	REVISED	-
CHECKED	- BRAD LANGE	REVISED	-
DATE	- 3/28/2026	REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

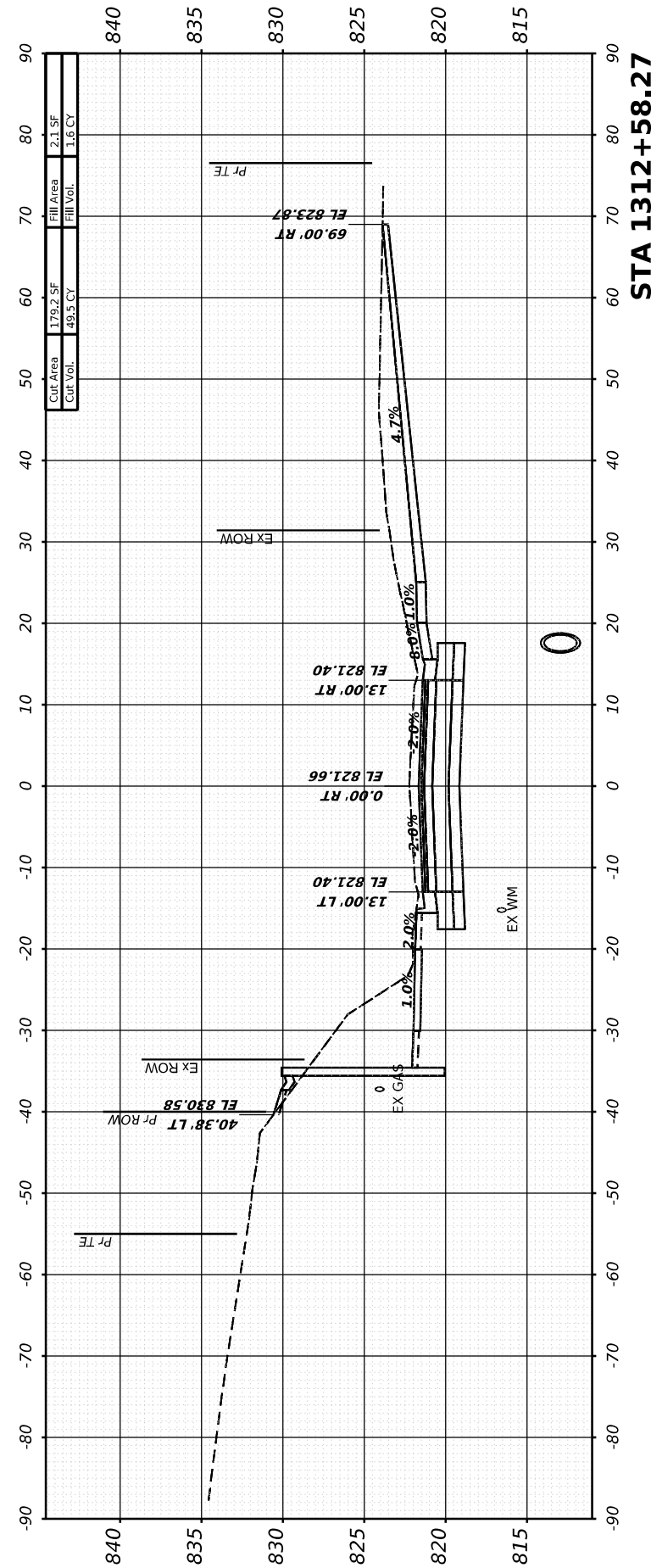
**CROSS SECTIONS  
 IL ROUTE 81**

SCALE: 1" = 20' SHEET 12 OF 40 SHEETS STA.

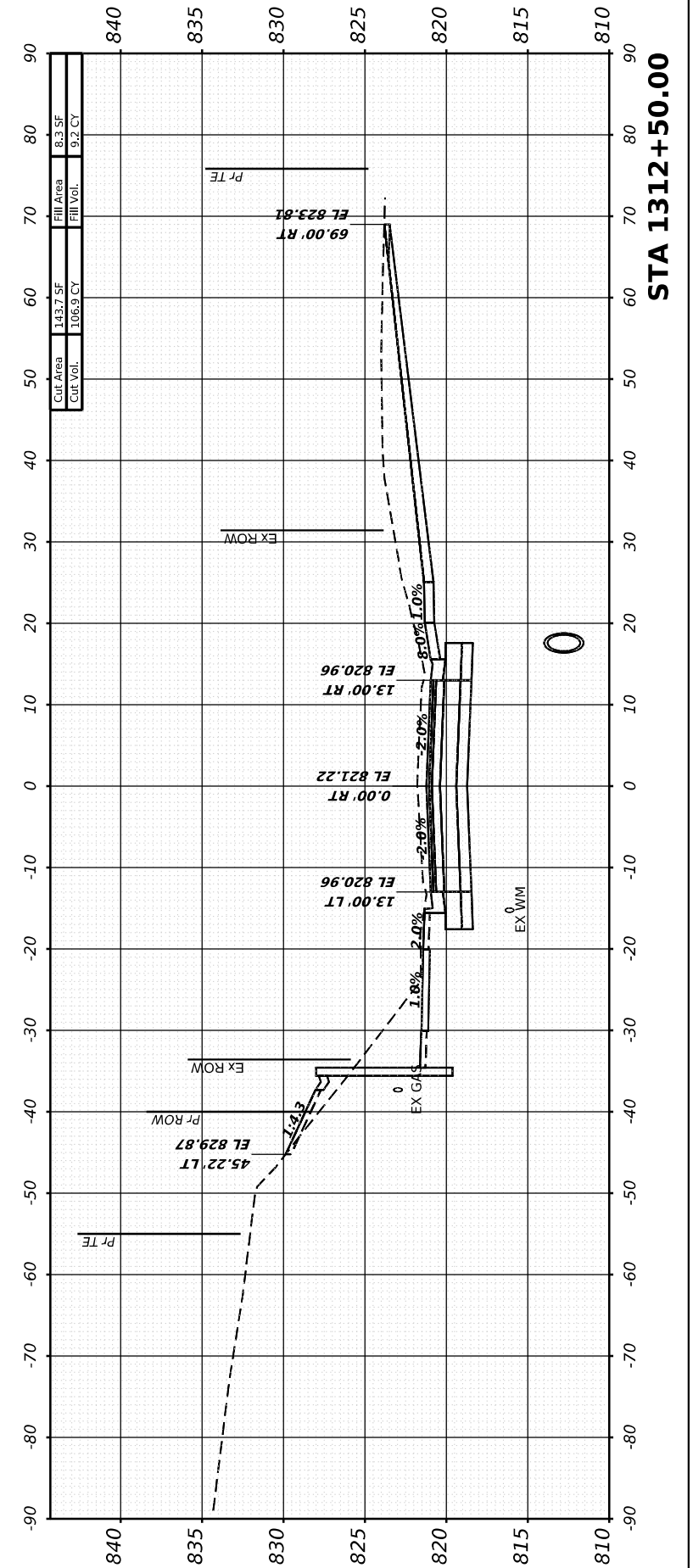
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	363
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				



**STA 1312+84.56**



**STA 1312+58.27**

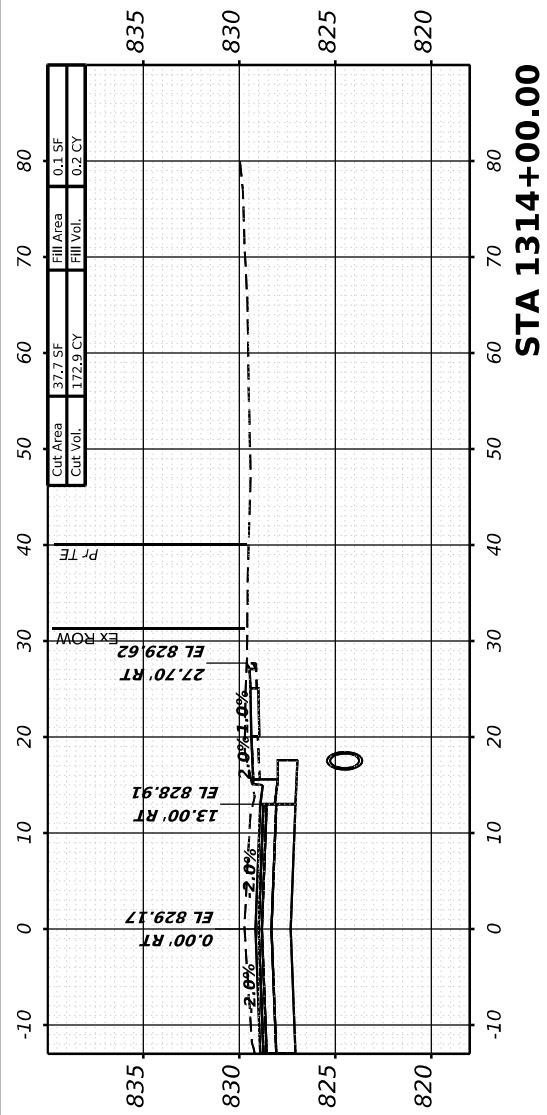


**STA 1312+50.00**

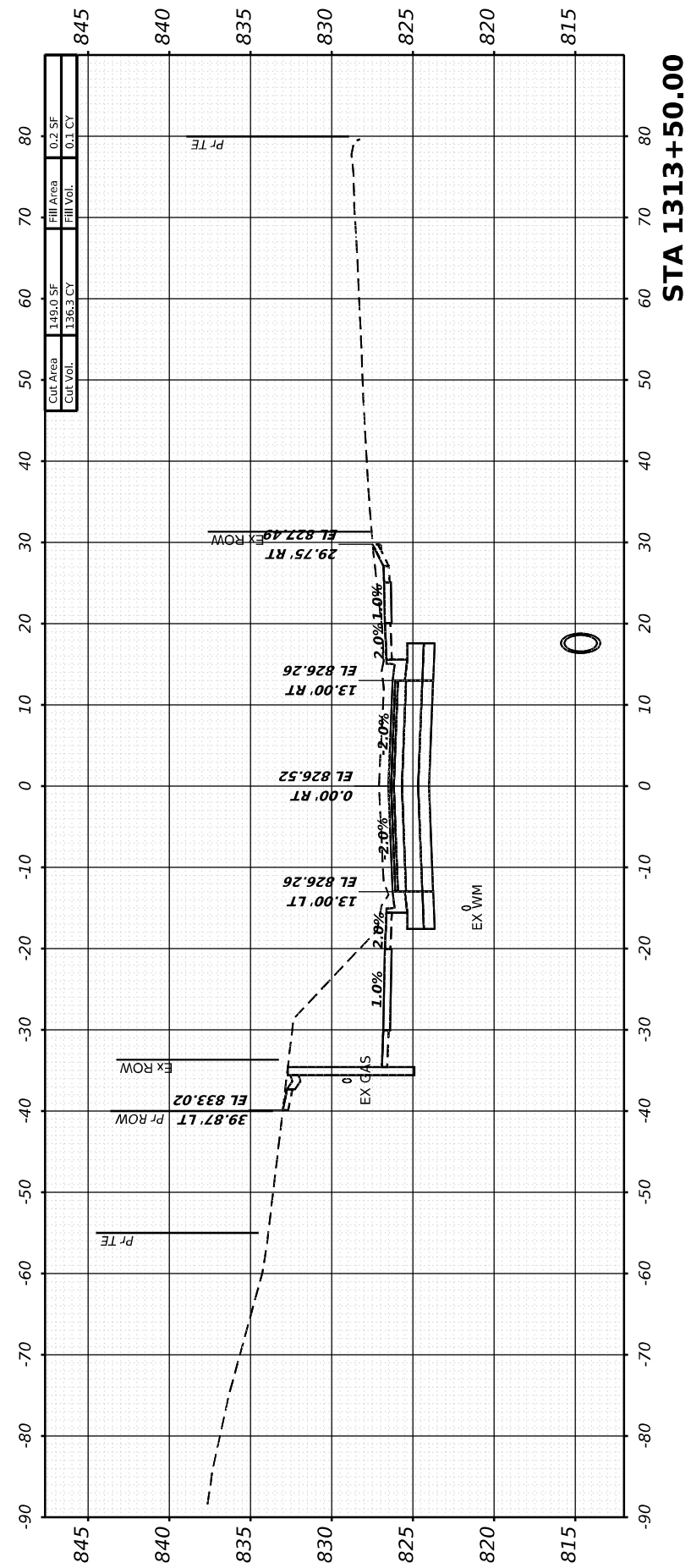
FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	AREAS CHECKED		
	AREAS CHECKED		

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

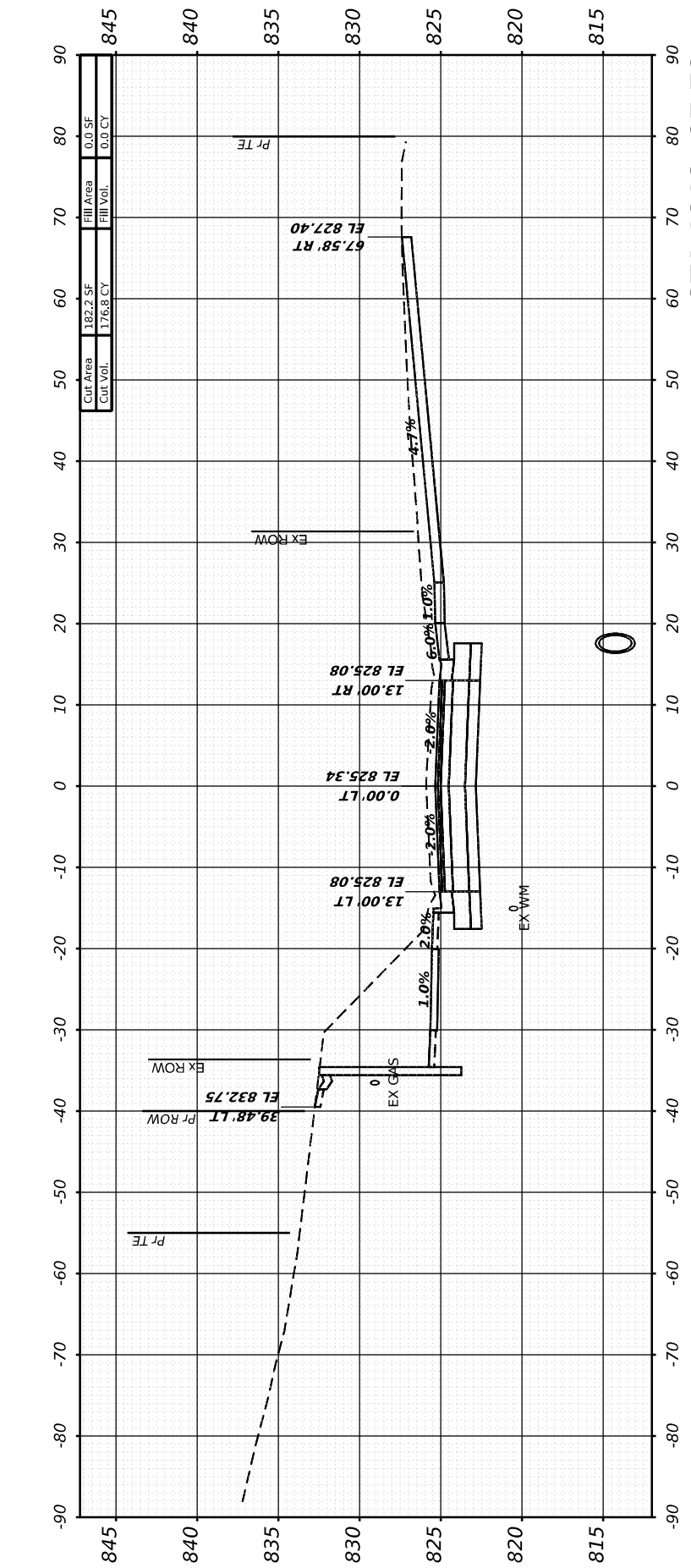
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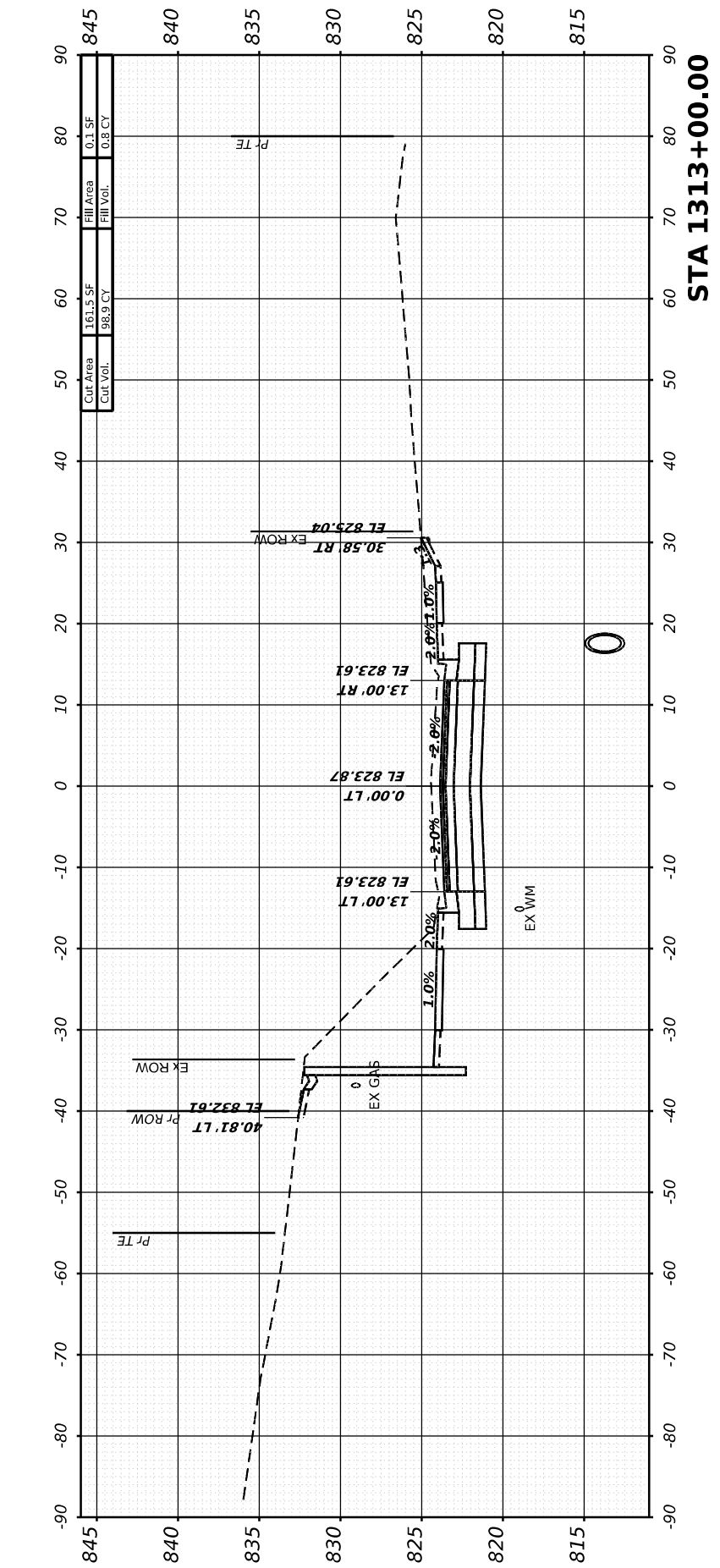
**STA 1314+00.00**



**STA 1313+50.00**



**STA 1313+27.78**



**STA 1313+00.00**



USER NAME	= Marc.A.Personette
PLOT SCALE	= 0.08333317 1/ in.
PLOT DATE	= 3/28/2026

DESIGNED	- PATRICK PAUSER
DRAWN	- PATRICK PAUSER
CHECKED	- BRAD LANGE
DATE	- 3/28/2026

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

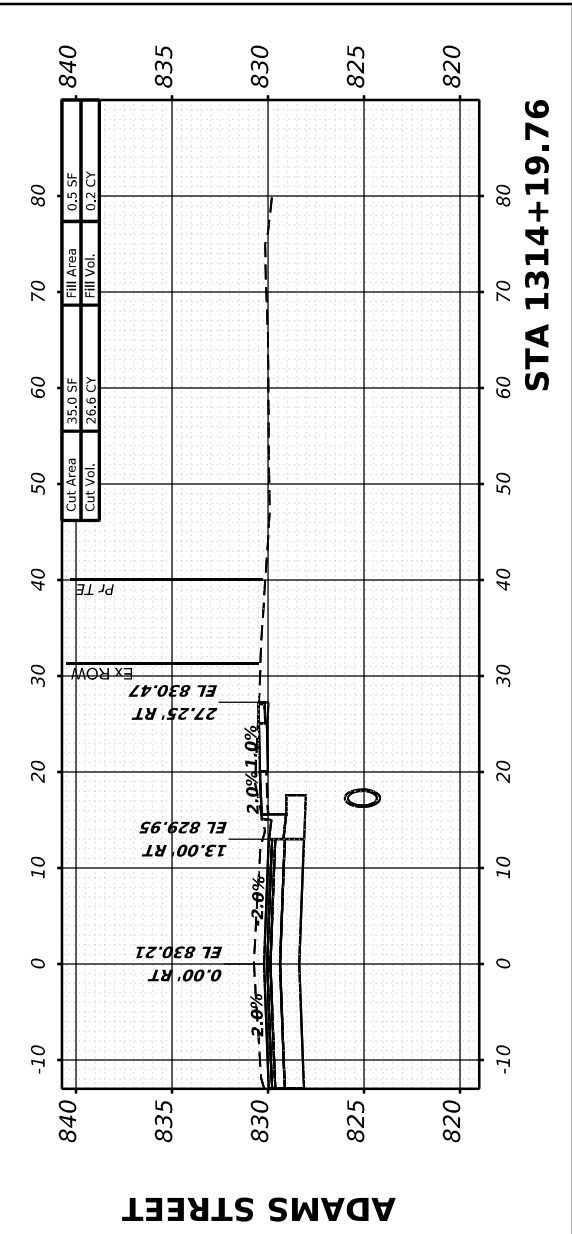
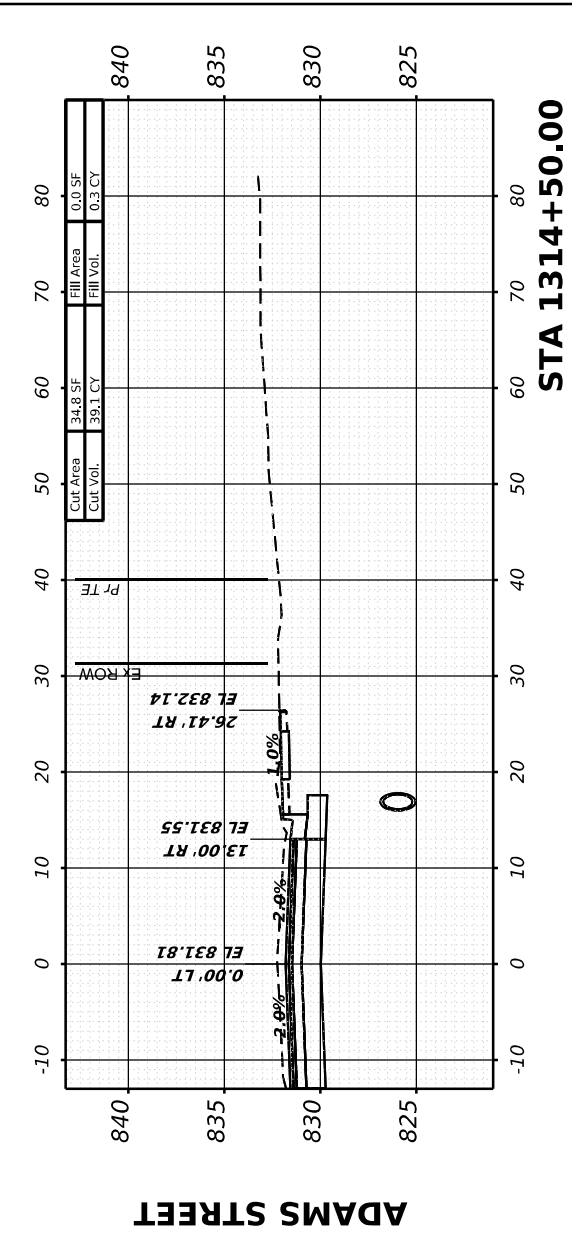
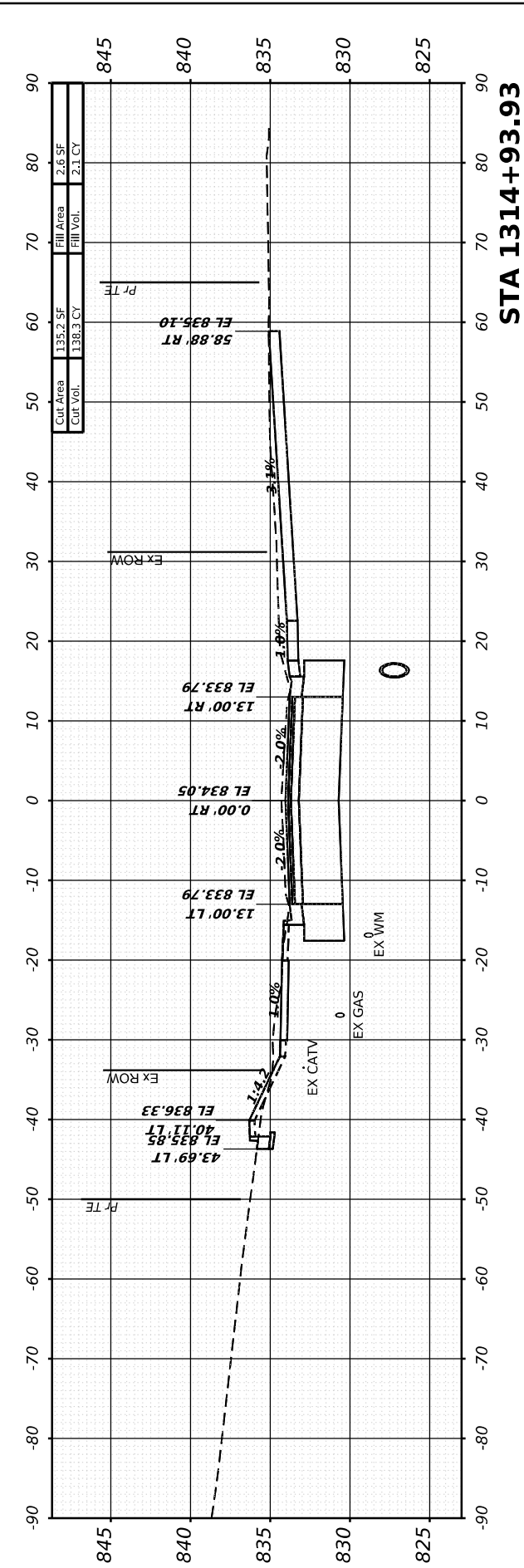
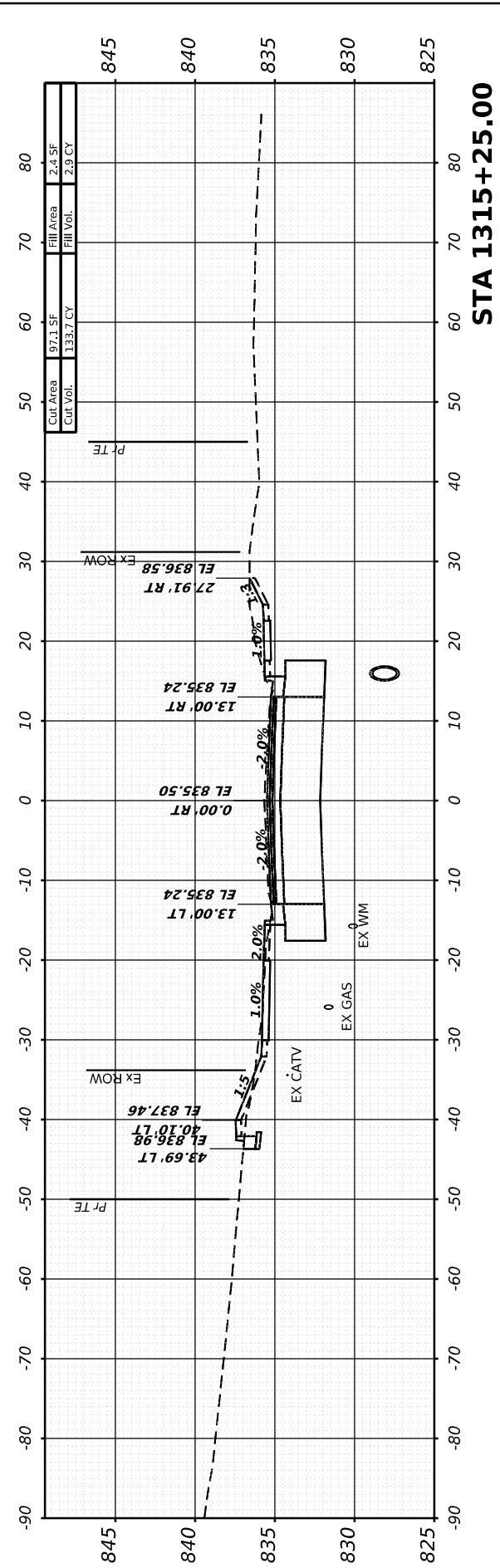
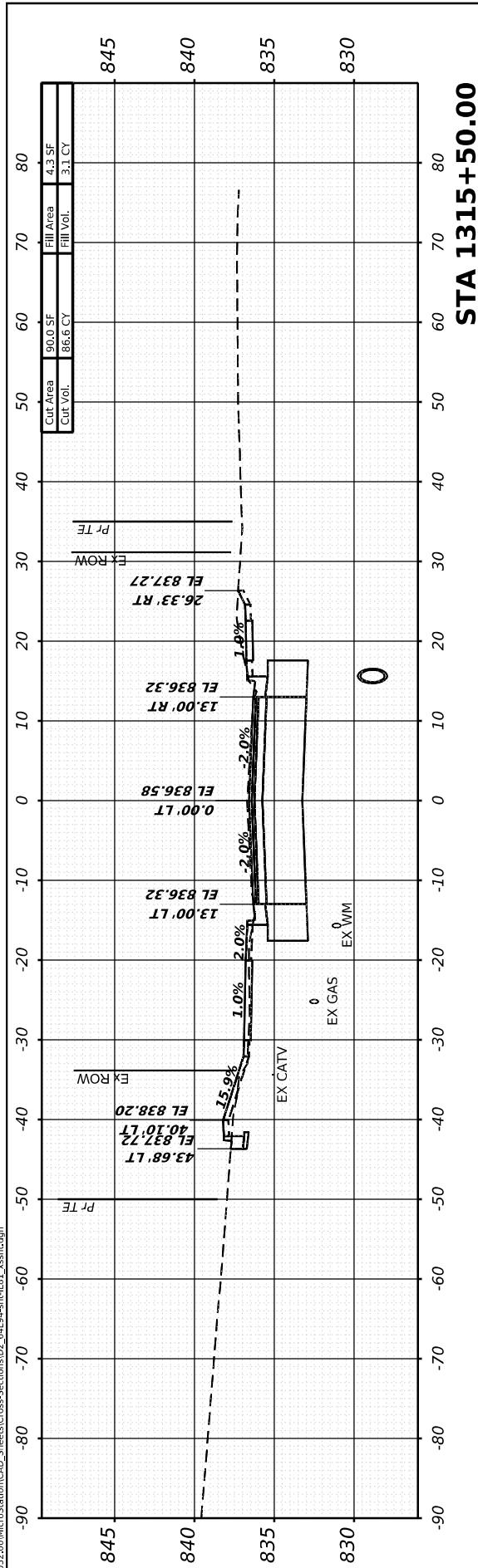
<b>CROSS SECTIONS    IL ROUTE 81</b>			
SCALE:	1" = 20'	SHEET 13	OF 40 SHEETS
STA.			

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	364
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: I181 - 1314+19.76 (Sheet)  
 FILE NAME: W:\2000\02\00\microStation\CAD\_Sheets\Cross-Sections\02\_64L94+19.76\I181\_xssht.dgn



USER NAME	= Marc.A.Personette
PLOT SCALE	= 0.08333317 1/ in.
PLOT DATE	= 3/28/2026

DESIGNED	- PATRICK PAUSER
DRAWN	- PATRICK PAUSER
CHECKED	- BRAD LANGE
DATE	- 3/28/2026

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

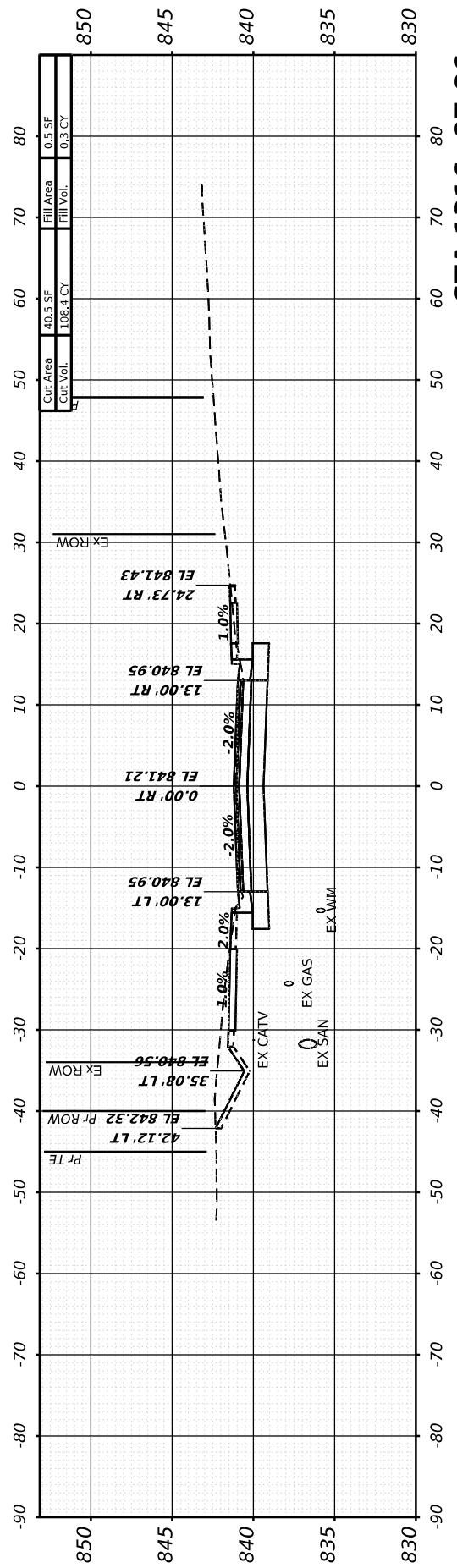
<b>CROSS SECTIONS IL ROUTE 81</b>			
SCALE: 1" = 20'	SHEET 14	OF 40 SHEETS	STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	365
				CONTRACT NO. 64L94
				ILLINOIS FED. AID PROJECT

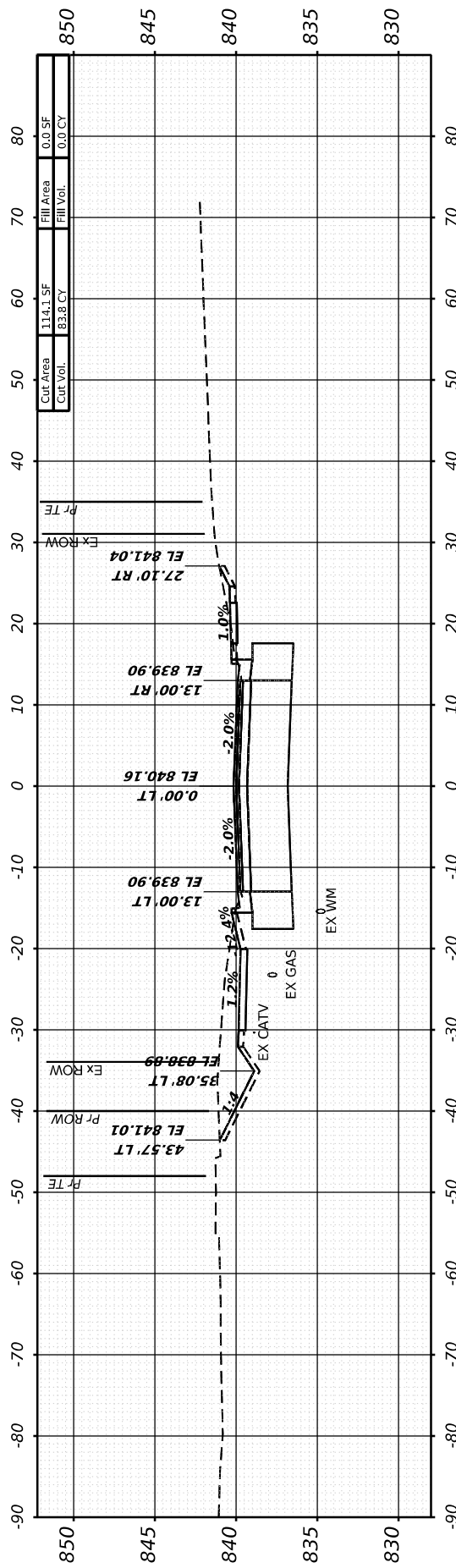
FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		
	AREAS CHECKED		

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

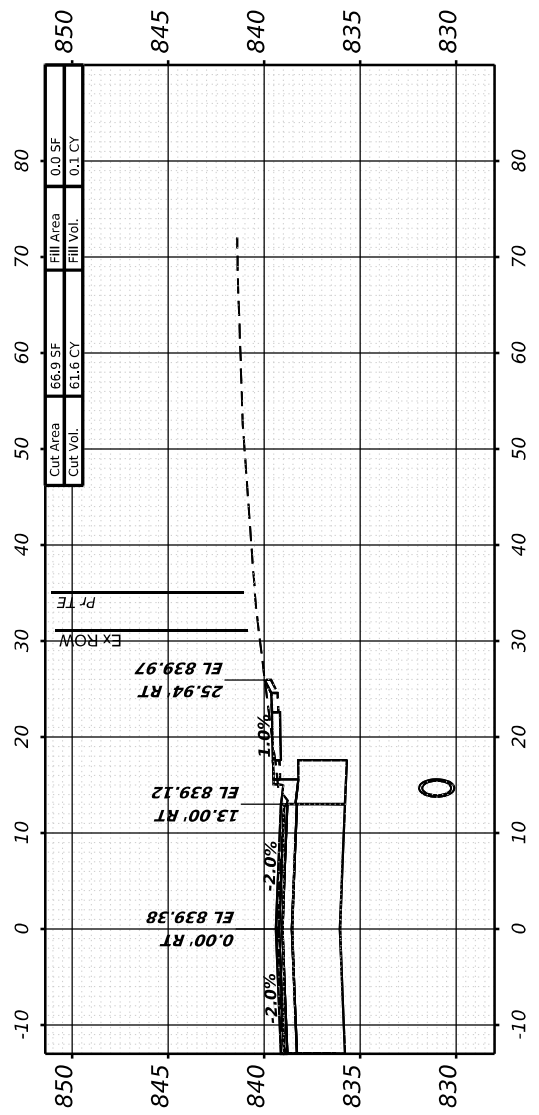
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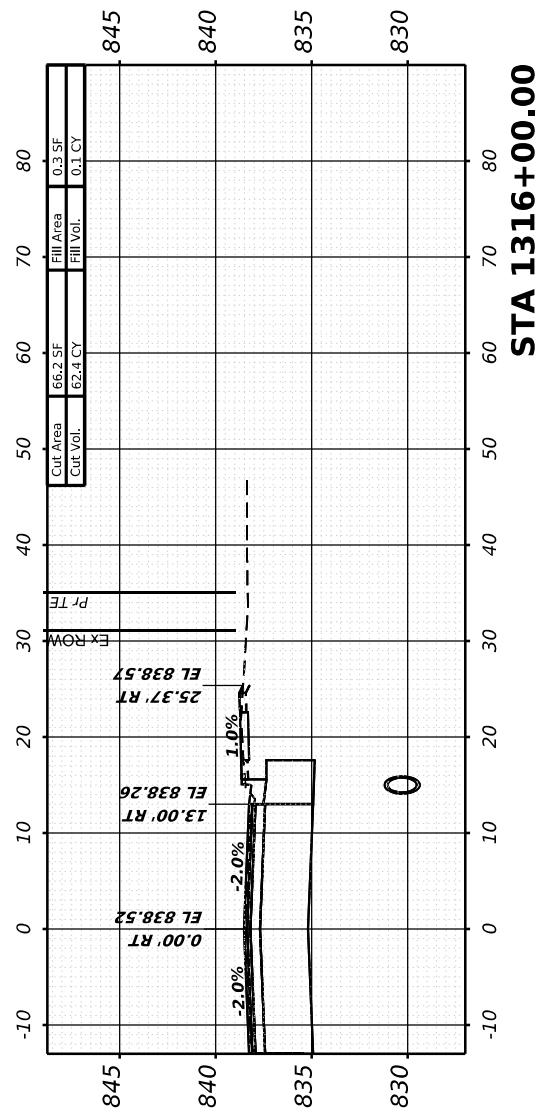
STA 1316+87.86



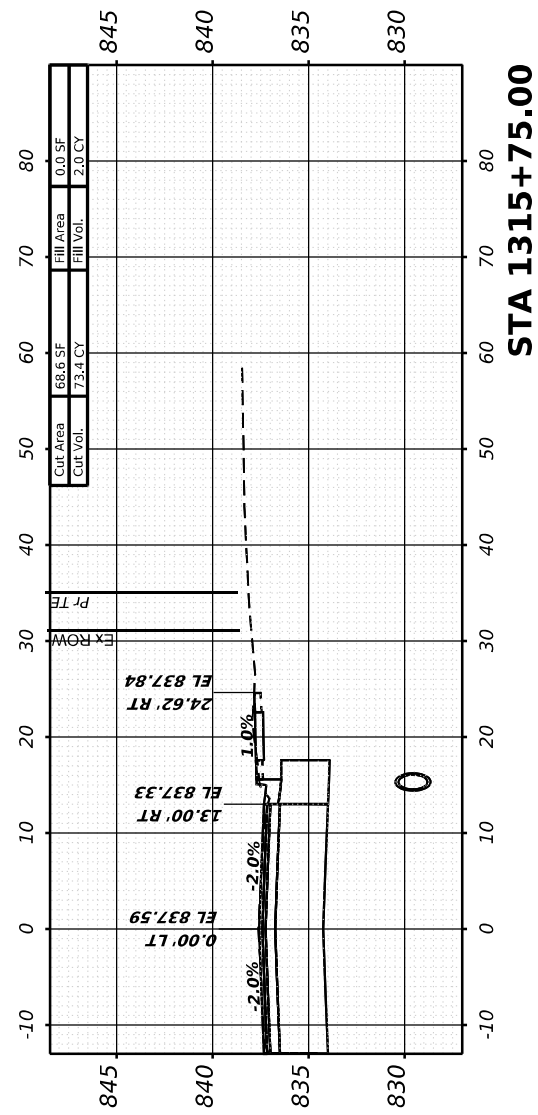
STA 1316+50.00



STA 1316+25.00



STA 1316+00.00



STA 1315+75.00

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 IL ROUTE 81  
 SCALE: 1" = 20' SHEET 15 OF 40 SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	366
			CONTRACT NO. 64L94	
ILLINOIS FED. AID PROJECT				



USER NAME	= Marc.A.Personette	DESIGNED	- PATRICK PAUSER	REVISED	-
PLOT SCALE	= 0.083333317 1/ in.	DRAWN	- PATRICK PAUSER	REVISED	-
PLOT DATE	= 3/28/2026	CHECKED	- BRAD LANGE	REVISED	-
		DATE	- 3/28/2026	REVISED	-

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

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

MODEL: I181 - 1317+00.00 (Sheet)  
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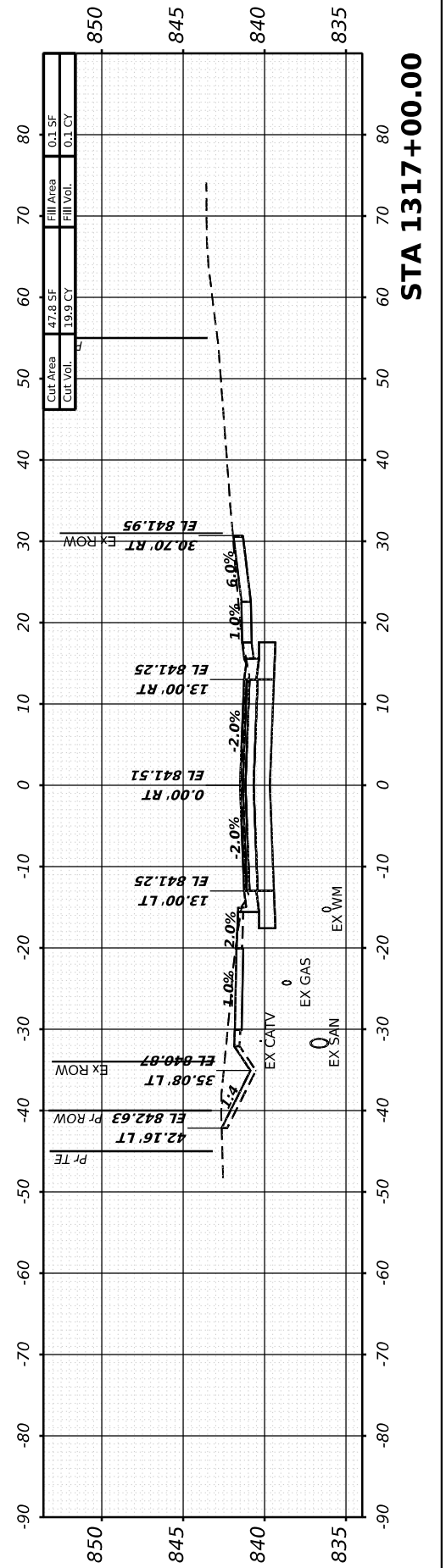
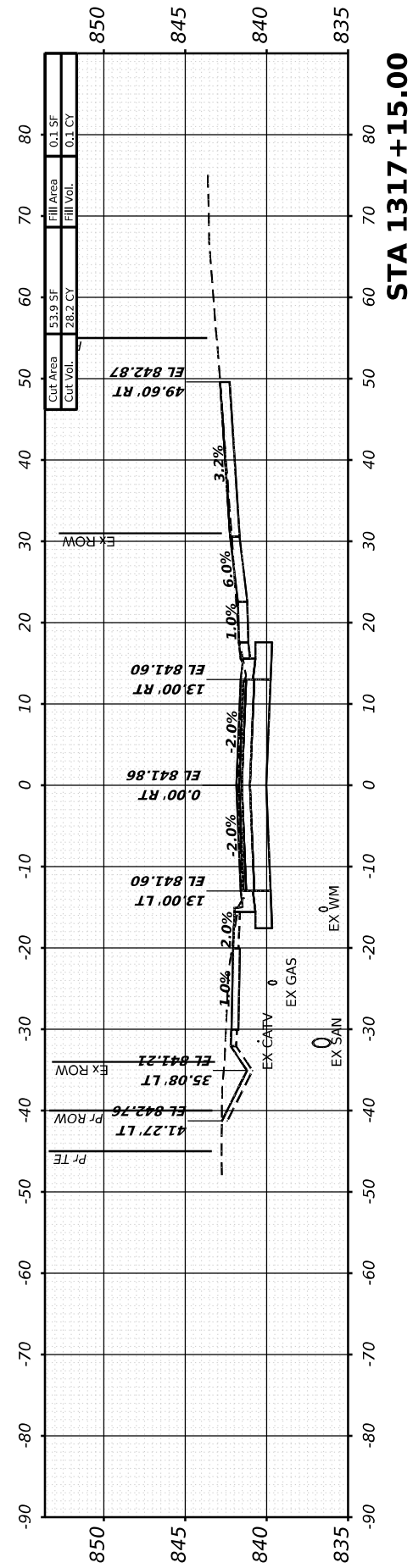
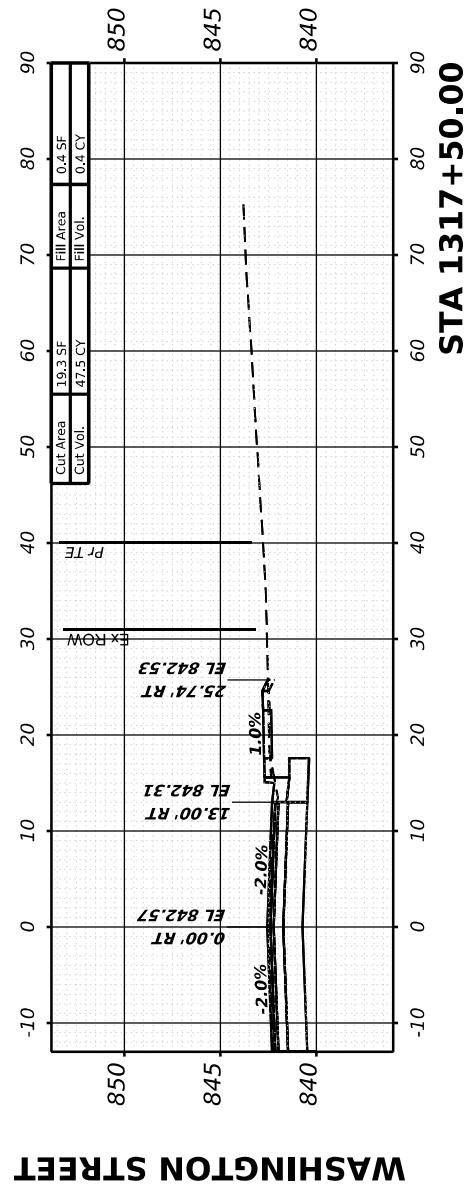
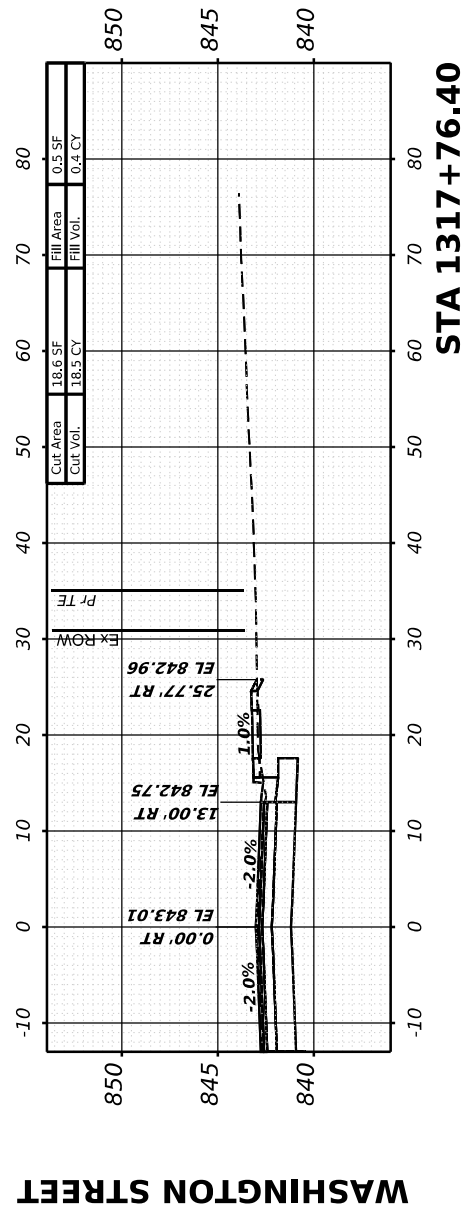
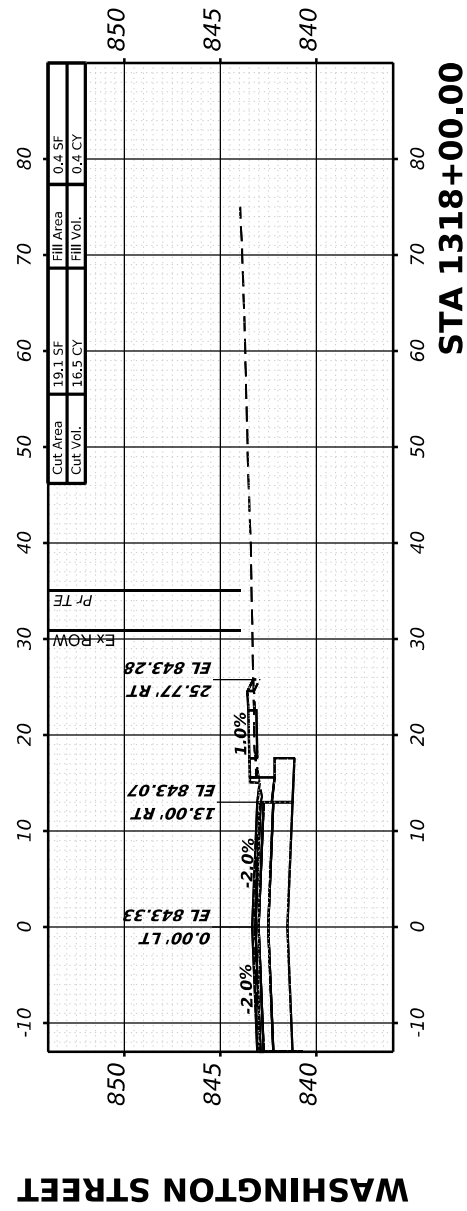
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PLOT SCALE = 0.083333317 1/ in.	DRAWN - PATRICK PAUSER	REVISED -
PLOT DATE = 3/28/2026	CHECKED - BRAD LANGE	REVISED -
	DATE - 3/28/2026	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE: 1" = 20' SHEET 16 OF 40 SHEETS STA.

**CROSS SECTIONS  
 IL ROUTE 81**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	367
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				

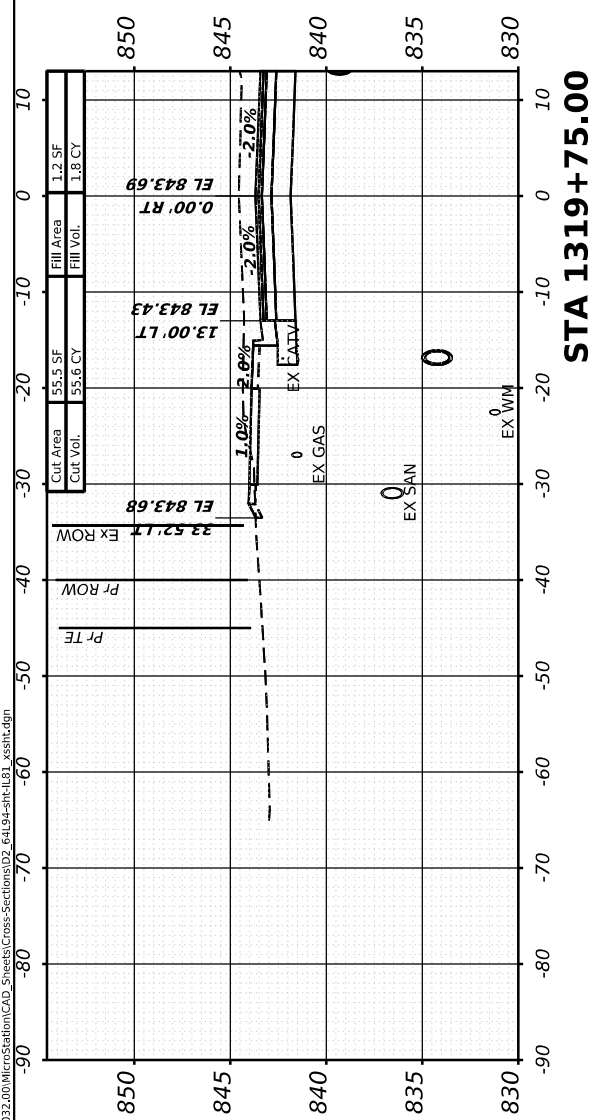


FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
NO.	AREAS CHECKED		

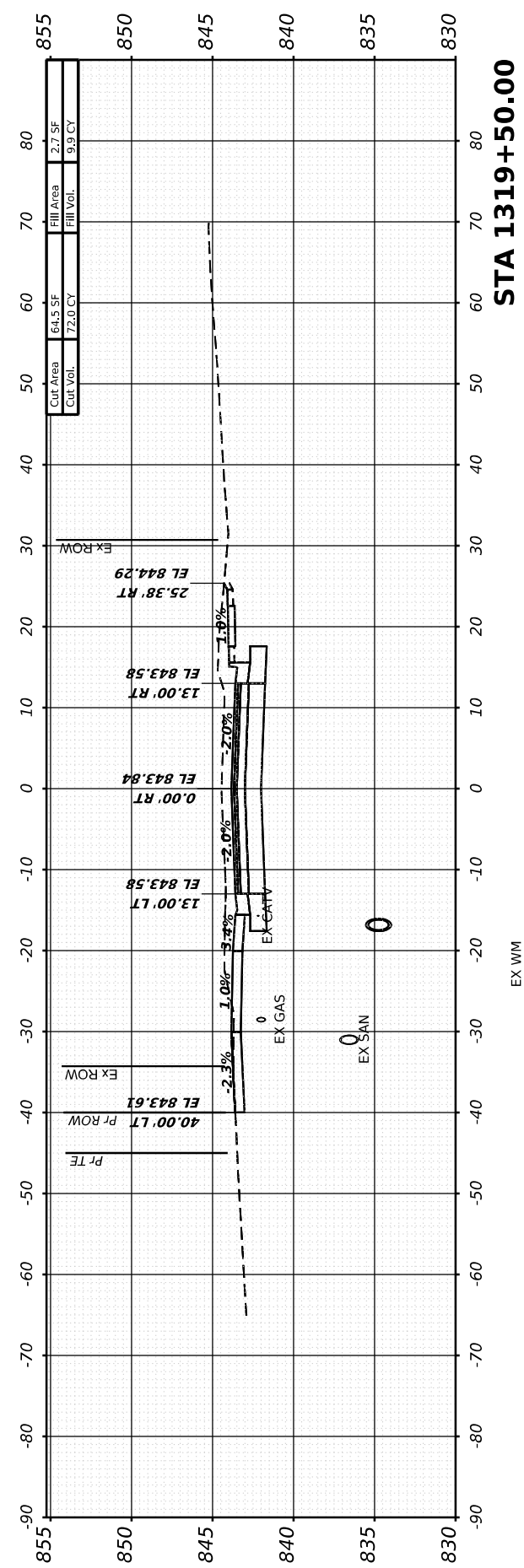
ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
NO.	AREAS CHECKED		

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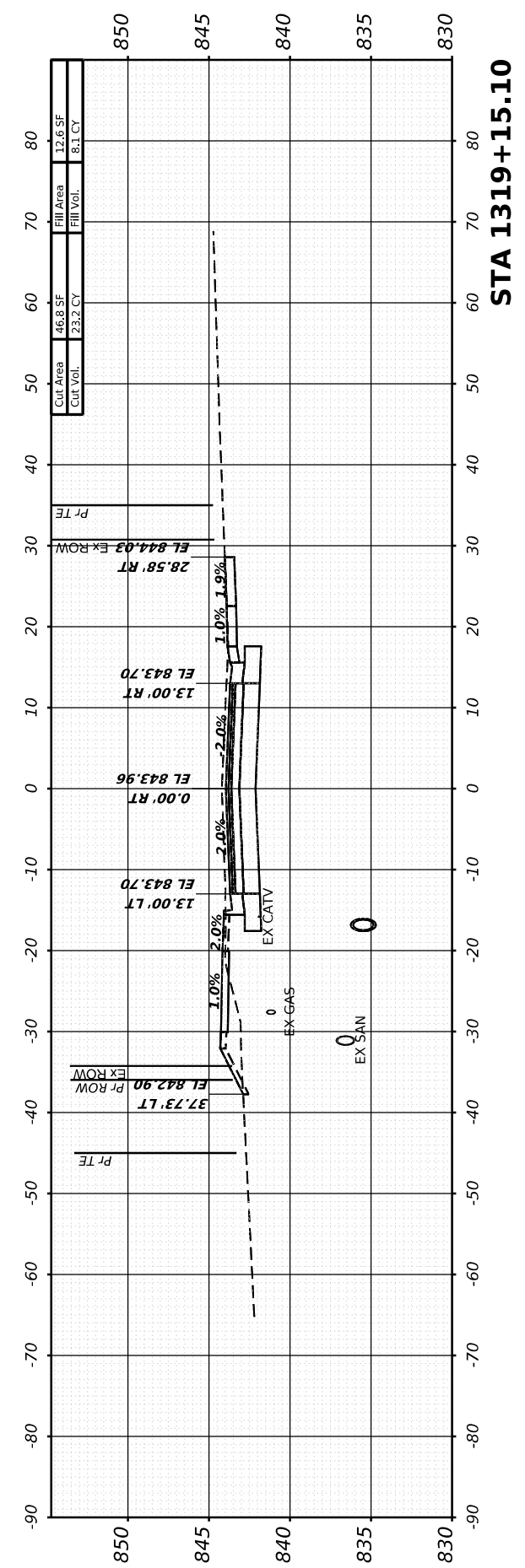
**N. WEST STREET (S)**



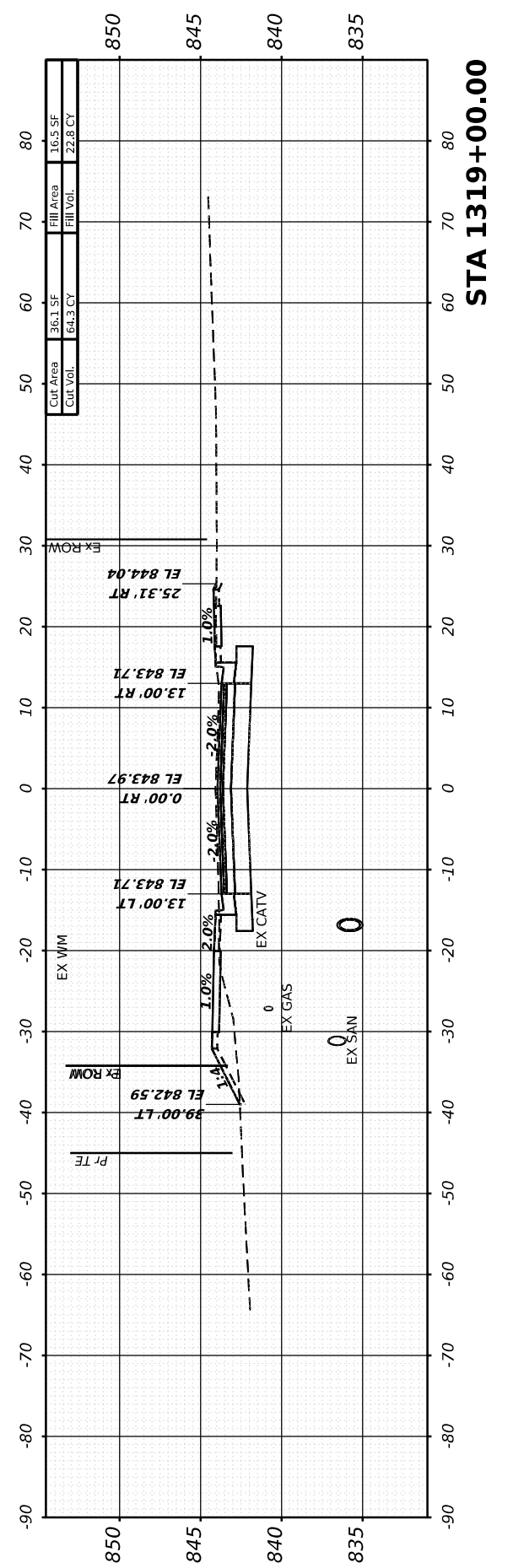
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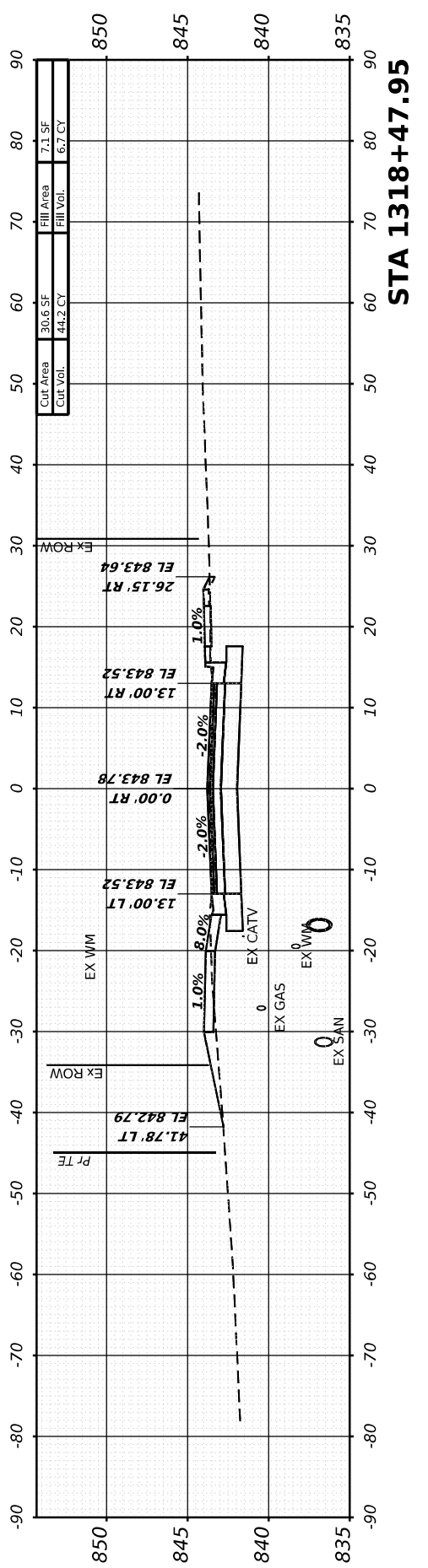
**STA 1319+50.00**



**STA 1319+15.10**



**STA 1319+00.00**



**STA 1318+47.95**



USER NAME	= Marc.A.Personette
PLOT SCALE	= 0.08333317 1/ in.
PLOT DATE	= 3/28/2026

DESIGNED	- PATRICK PAUSER
DRAWN	- PATRICK PAUSER
CHECKED	- BRAD LANGE
DATE	- 3/28/2026

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
IL ROUTE 81**

SCALE: 1" = 20' SHEET 17 OF 40 SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	368
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				

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

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

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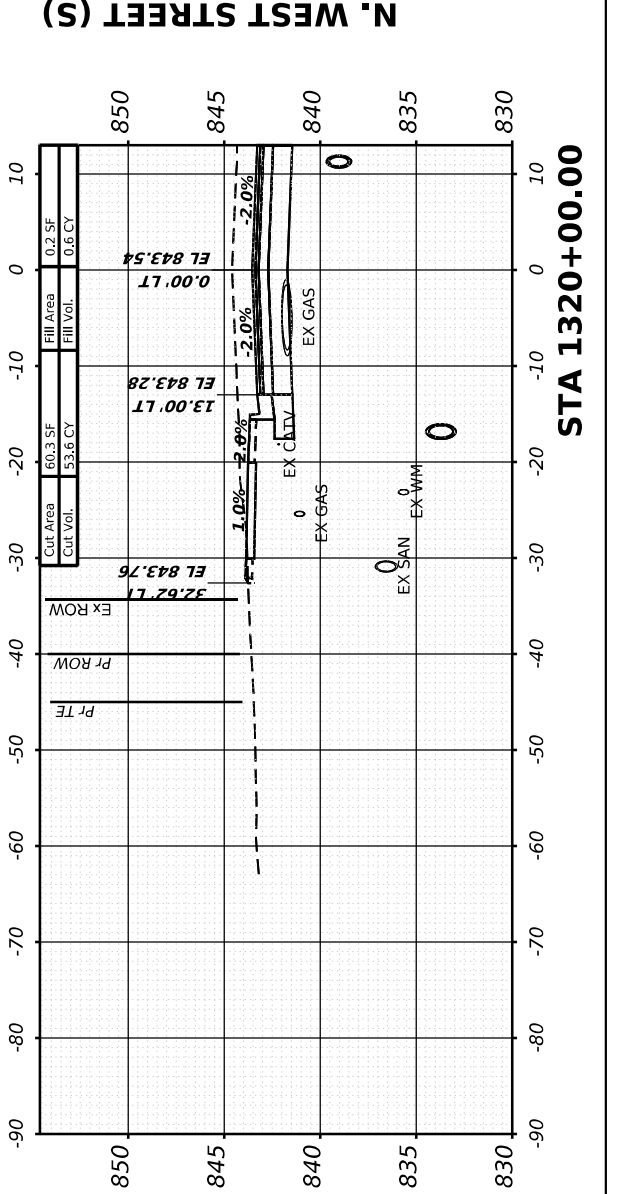
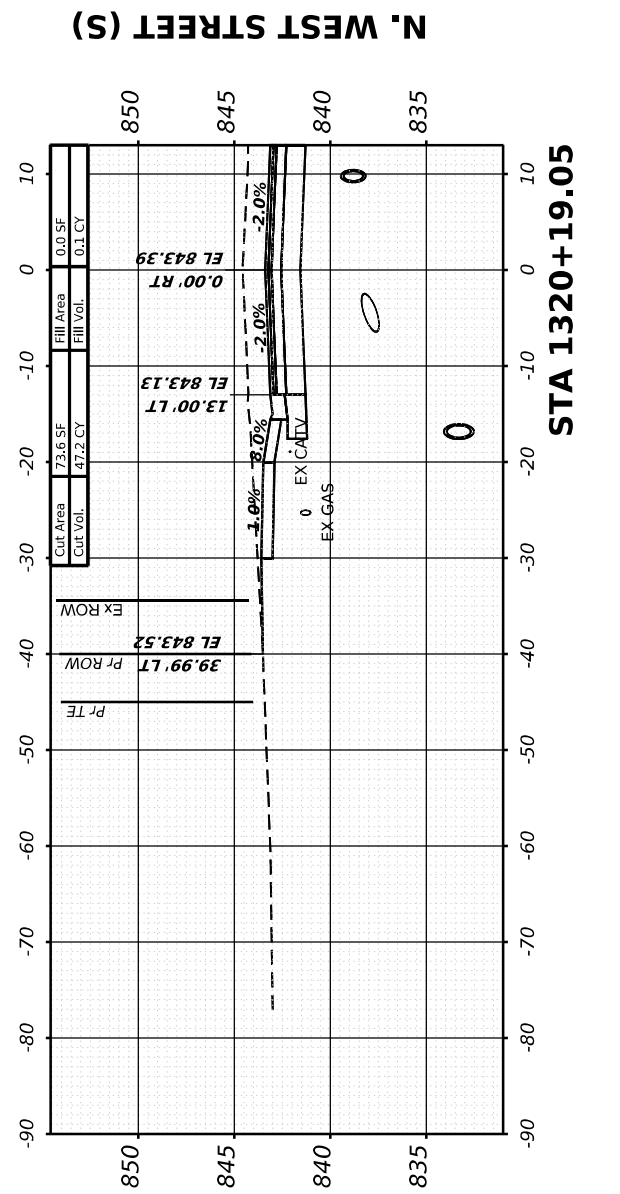
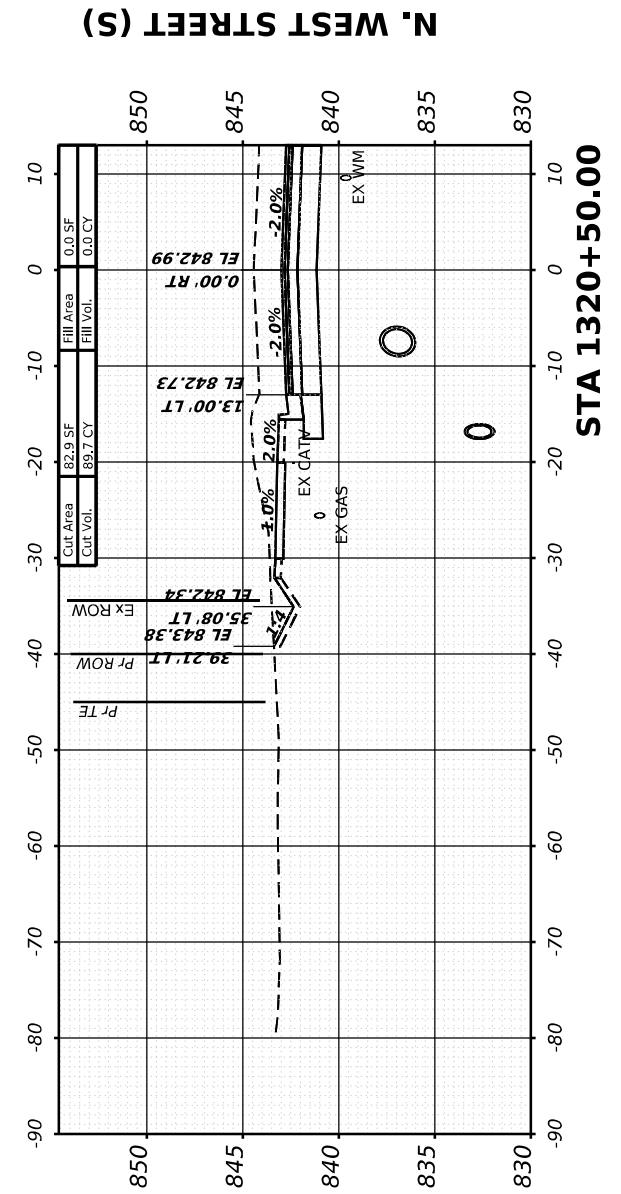
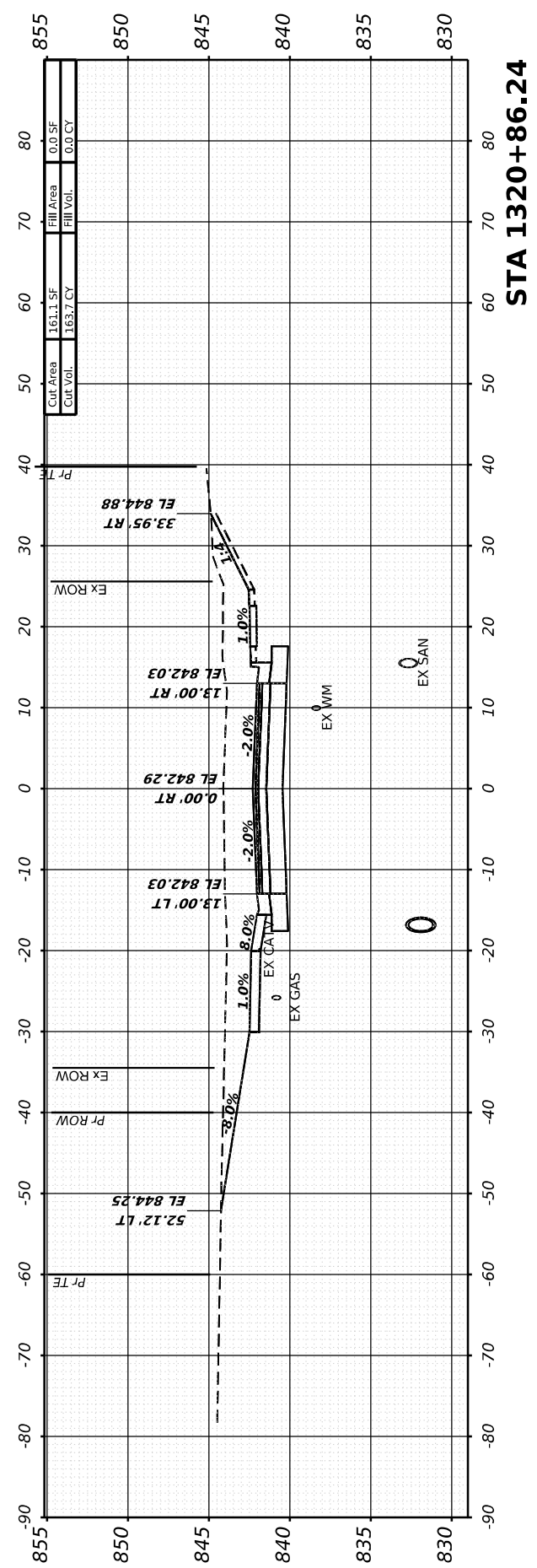
USER NAME = Marc.A.Personette	DESIGNED - PATRICK PAUSER	REVISED -
PLOT SCALE = 0.08333317 1/ in.	DRAWN - PATRICK PAUSER	REVISED -
PLOT DATE = 3/28/2026	CHECKED - BRAD LANGE	REVISED -
	DATE - 3/28/2026	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 IL ROUTE 81**

SCALE: 1" = 20'    SHEET 18    OF 40 SHEETS    STA.

F.A.P. RTE. 611	SECTION 104R	COUNTY HENRY	TOTAL SHEETS 426	SHEET NO. 369
CONTRACT NO. 64L94			ILLINOIS FED. AID PROJECT	



FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

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USER NAME =	Marc.A.Personette
PLOT SCALE =	0.083333317 1/1 in.
PLOT DATE =	3/28/2026

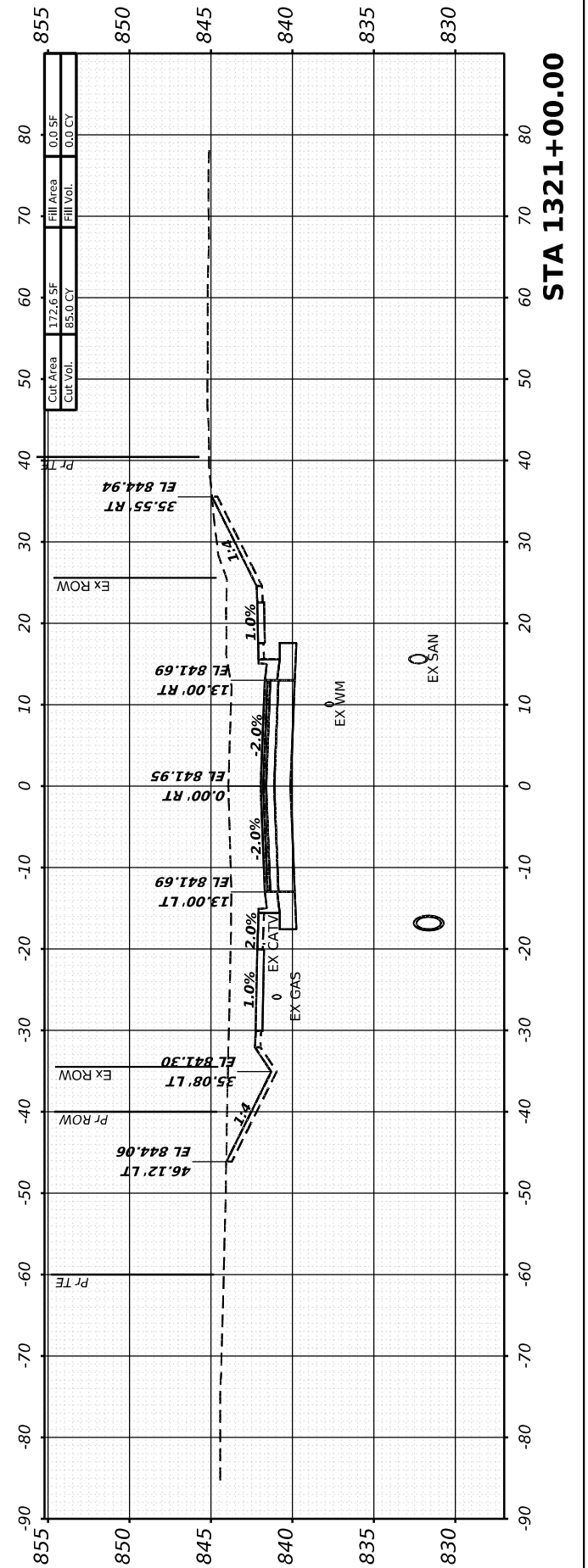
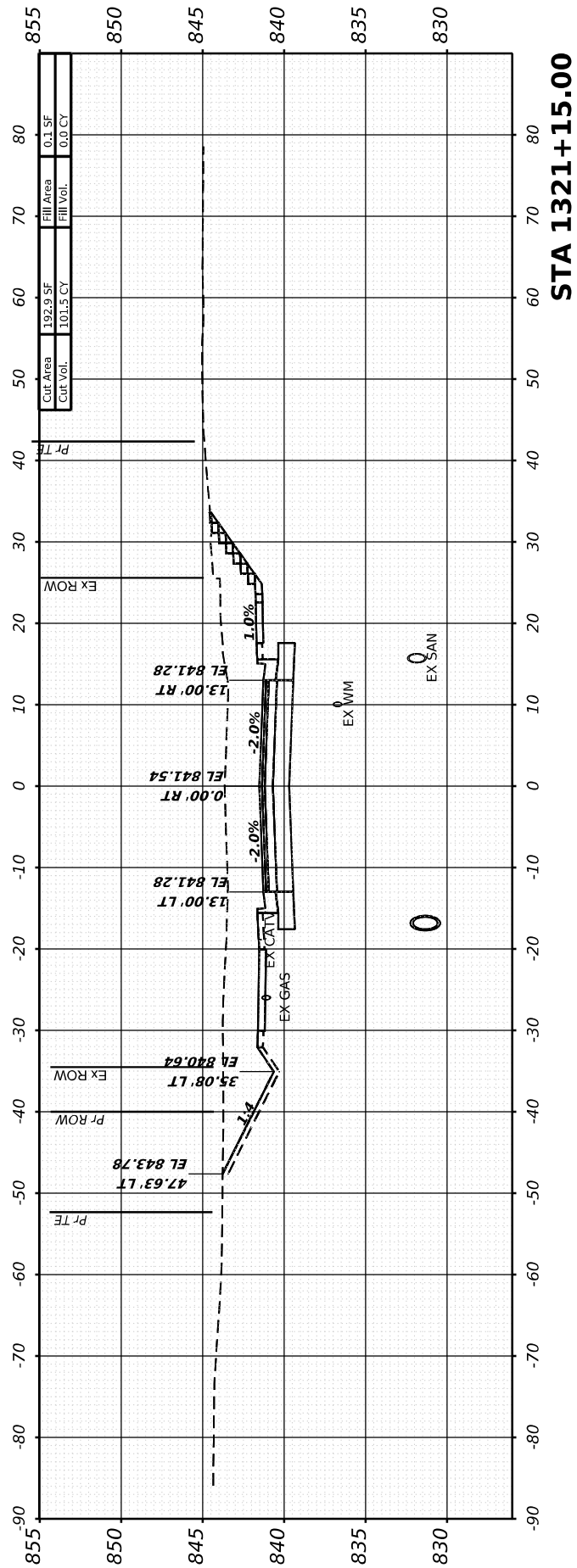
DESIGNED -	PATRICK PAUSER	REVISED -	
DRAWN -	PATRICK PAUSER	REVISED -	
CHECKED -	BRAD LANGE	REVISED -	
DATE -	3/28/2026	REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 IL ROUTE 81**

SCALE: 1" = 20' SHEET 19 OF 40 SHEETS STA.

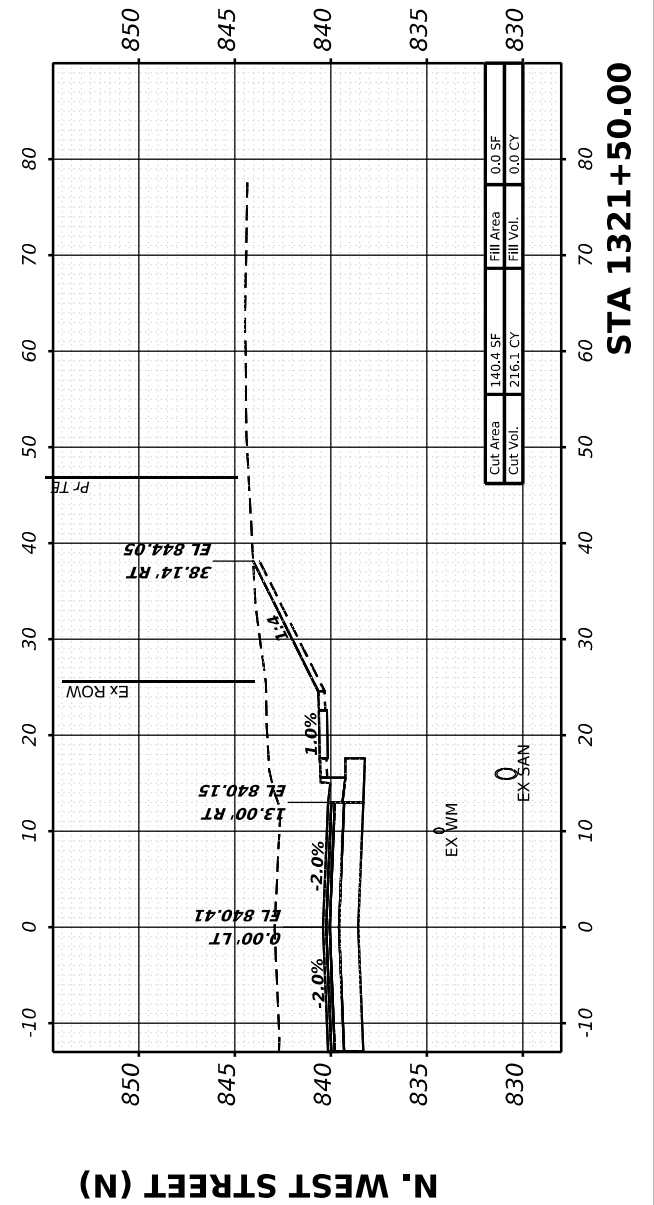
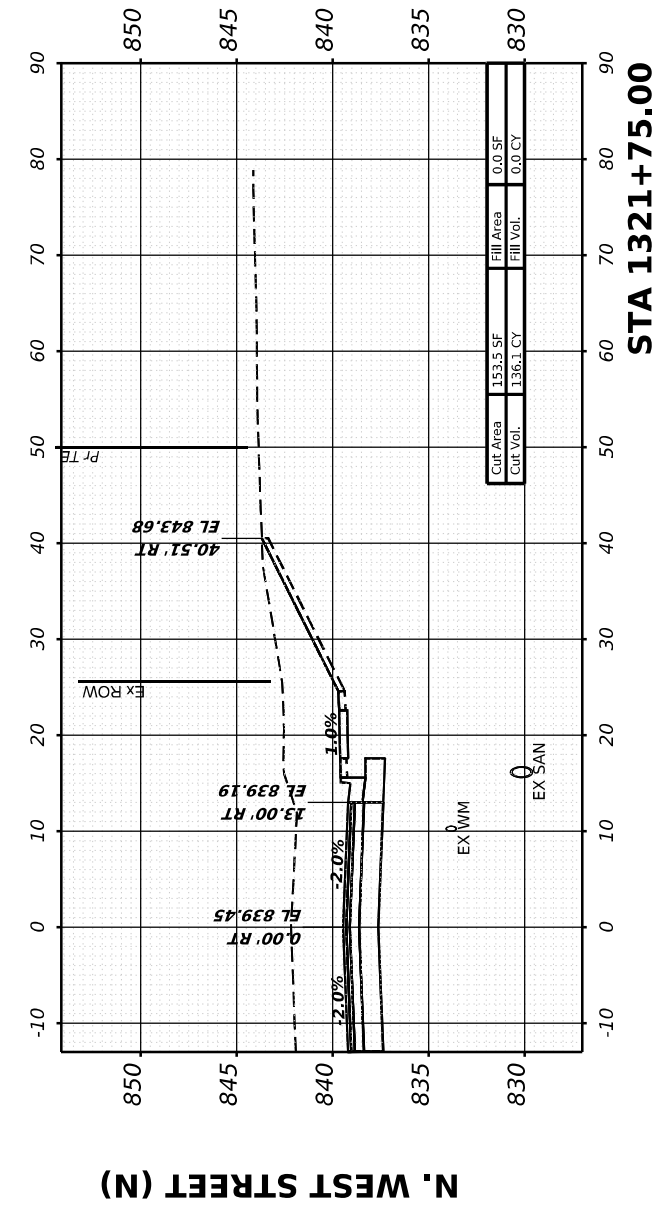
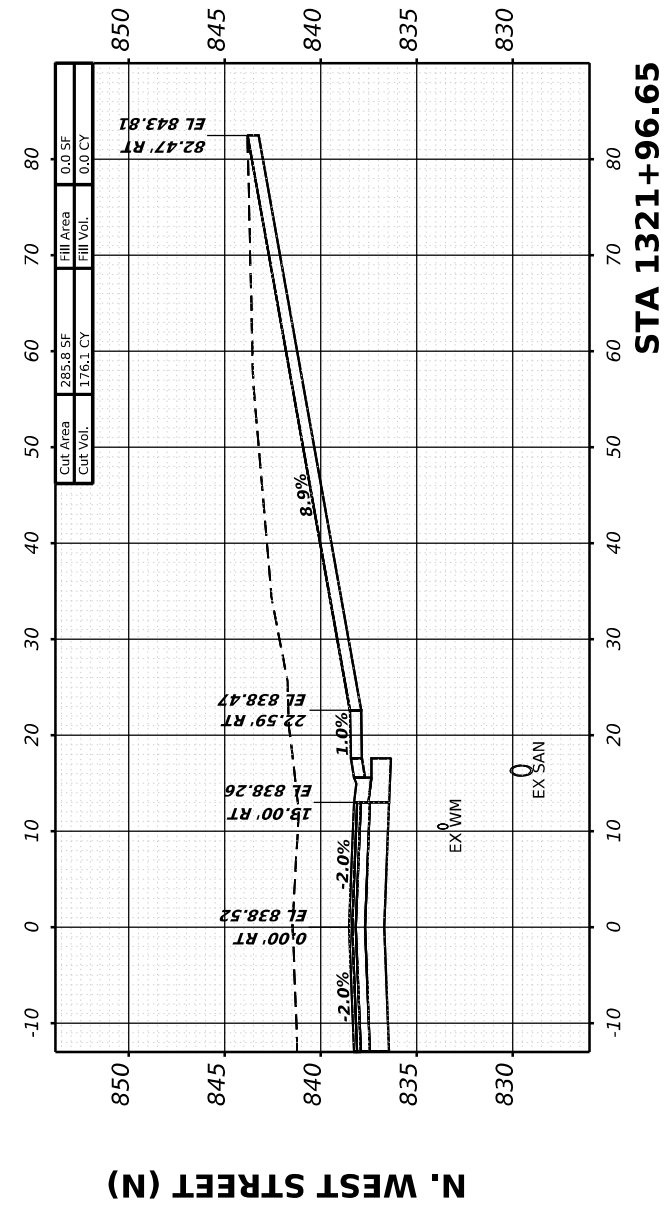
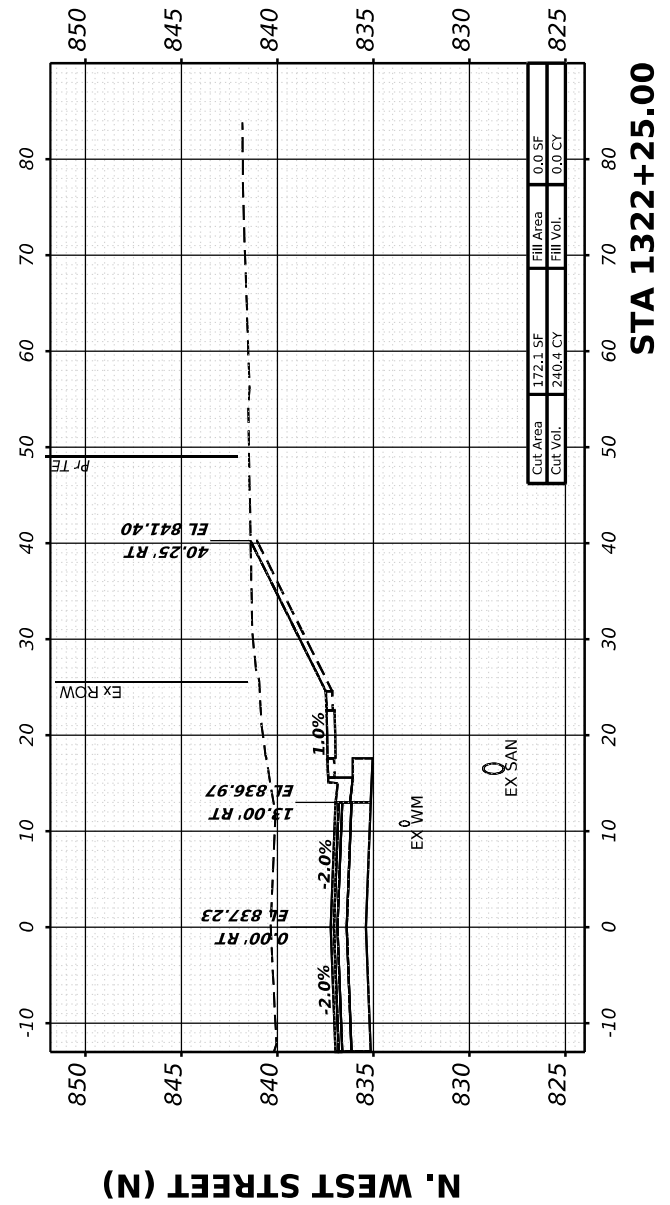
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	370
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				



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

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

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USER NAME = Marc.A.Personette	DESIGNED - PATRICK PAUSER	REVISED -
PLOT SCALE = 0.08333317' / in.	DRAWN - PATRICK PAUSER	REVISED -
PLOT DATE = 3/28/2026	CHECKED - BRAD LANGE	REVISED -
	DATE - 3/28/2026	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE: 1" = 20'		SHEET 20		OF 40 SHEETS		STA.	
-----------------	--	----------	--	--------------	--	------	--

**CROSS SECTIONS  
 IL ROUTE 81**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	371
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				

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

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

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401 E. STATE ST, 4th Floor  
 ROCKFORD, IL 61104  
 PH: 815.965.6400  
 WWW.IMEG.CORP.COM

USER NAME =	Marc.A.Personette
PLOT SCALE =	0.08333317 1/1 in.
PLOT DATE =	3/28/2026

DESIGNED -	PATRICK PAUSER
DRAWN -	PATRICK PAUSER
CHECKED -	BRAD LANGE
DATE -	3/28/2026

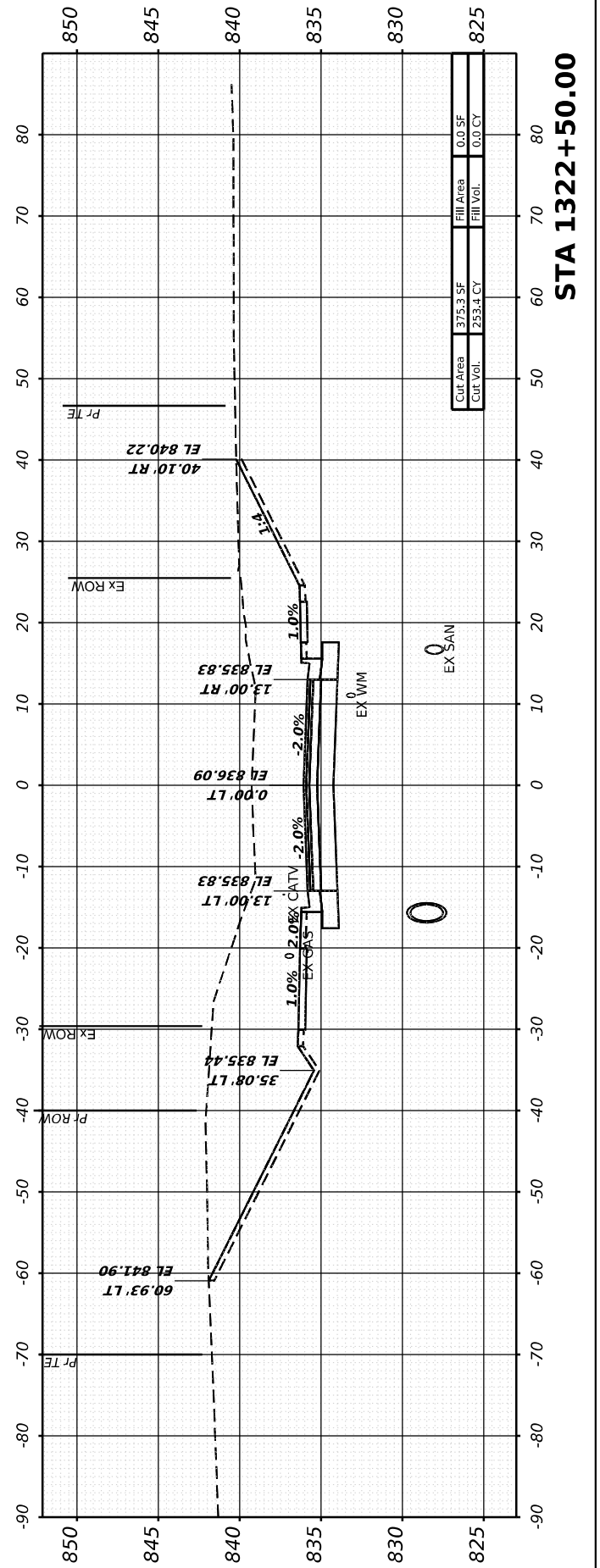
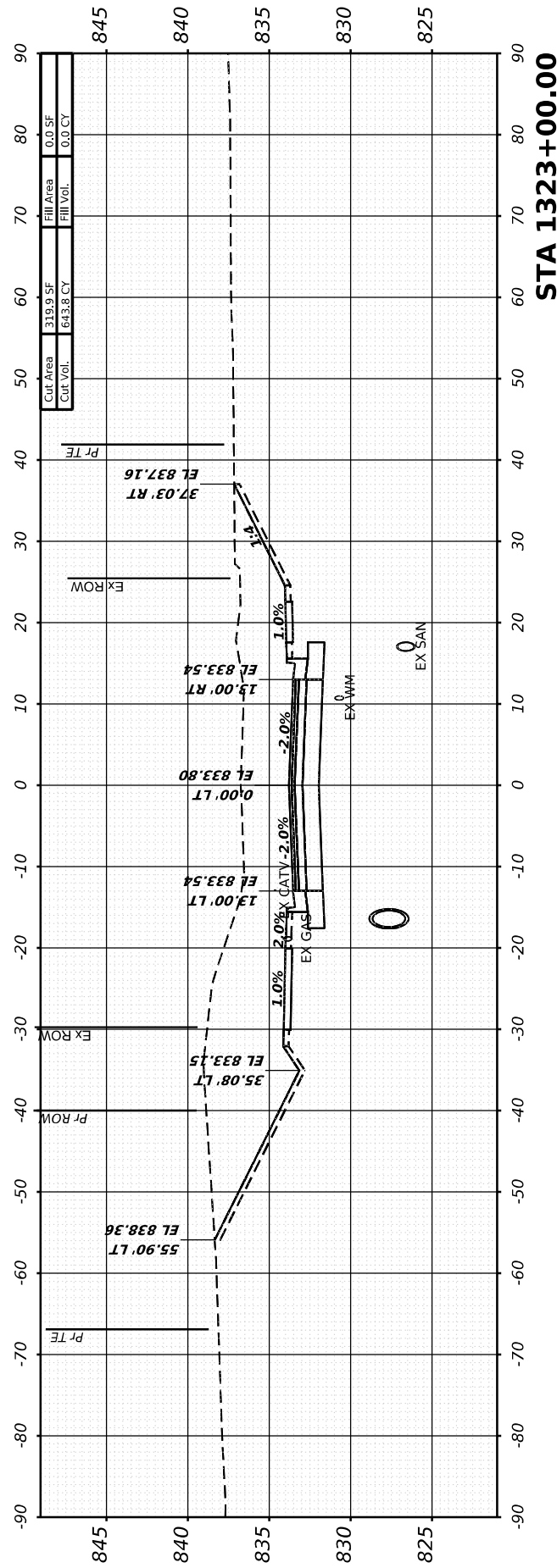
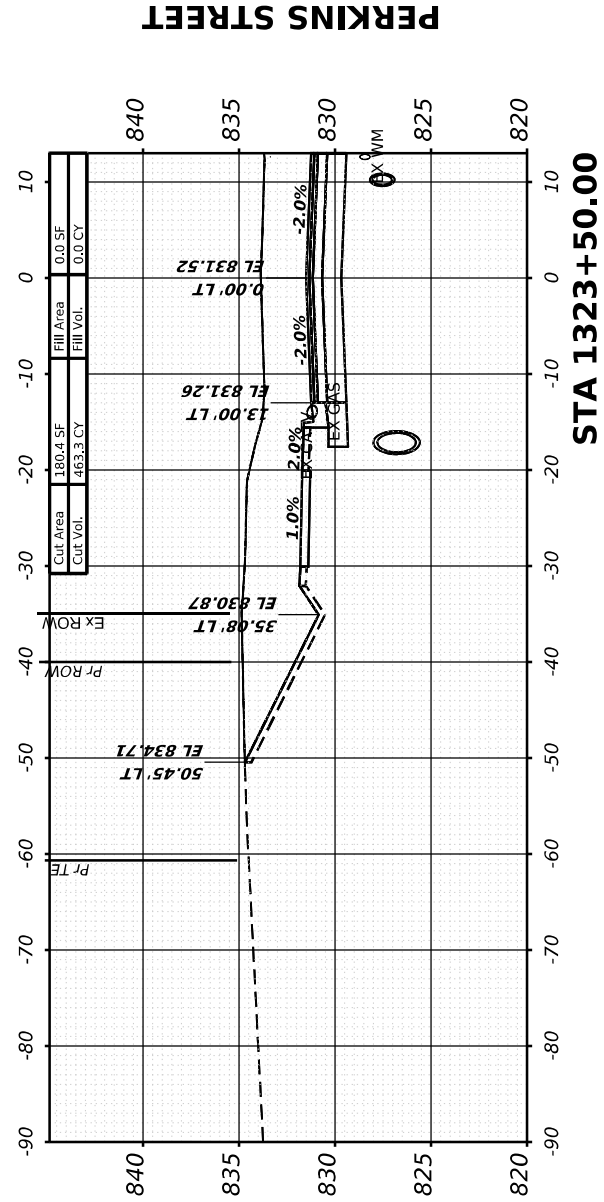
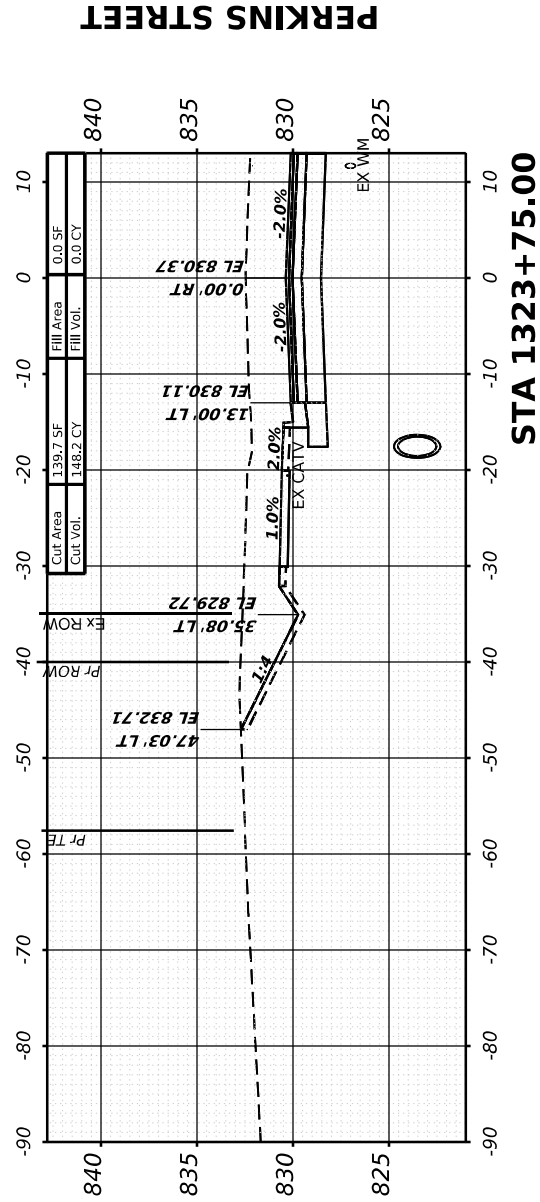
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REVISED -	
REVISED -	
REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 IL ROUTE 81**

SCALE: 1" = 20' SHEET 21 OF 40 SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	372
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				





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

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

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USER NAME	= Marc.A.Personette
DESIGNED	- PATRICK PAUSER
DRAWN	- PATRICK PAUSER
PLotted SCALE	= 0.08333317' / 1"
PLotted DATE	= 3/28/2026

DESIGNED	- PATRICK PAUSER
DRAWN	- PATRICK PAUSER
CHECKED	- BRAD LANGE
DATE	= 3/28/2026

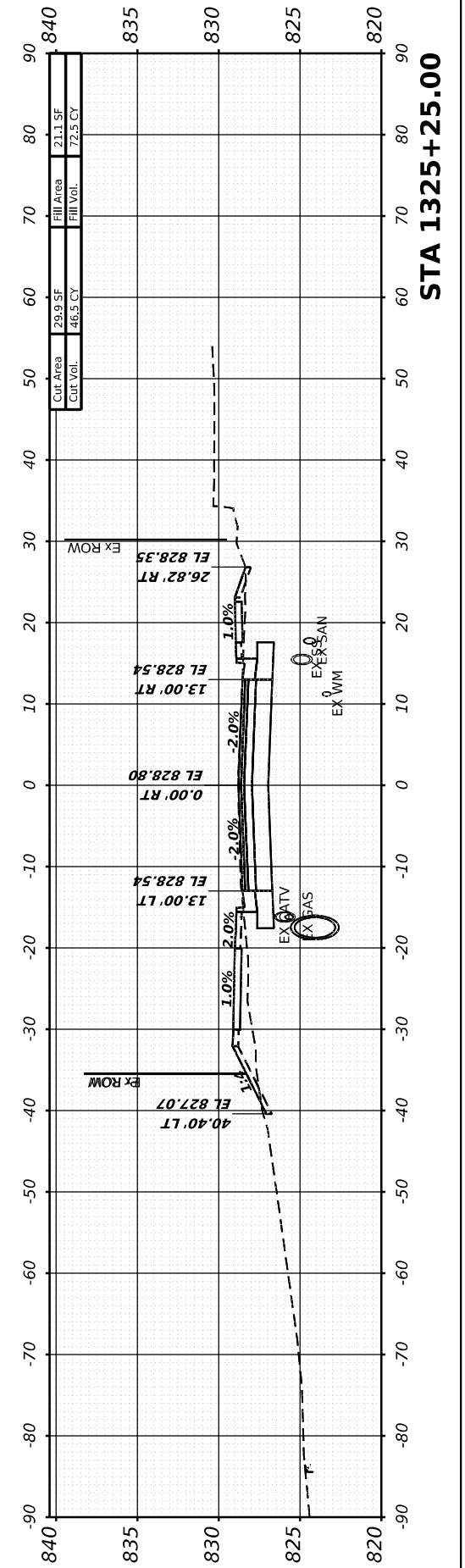
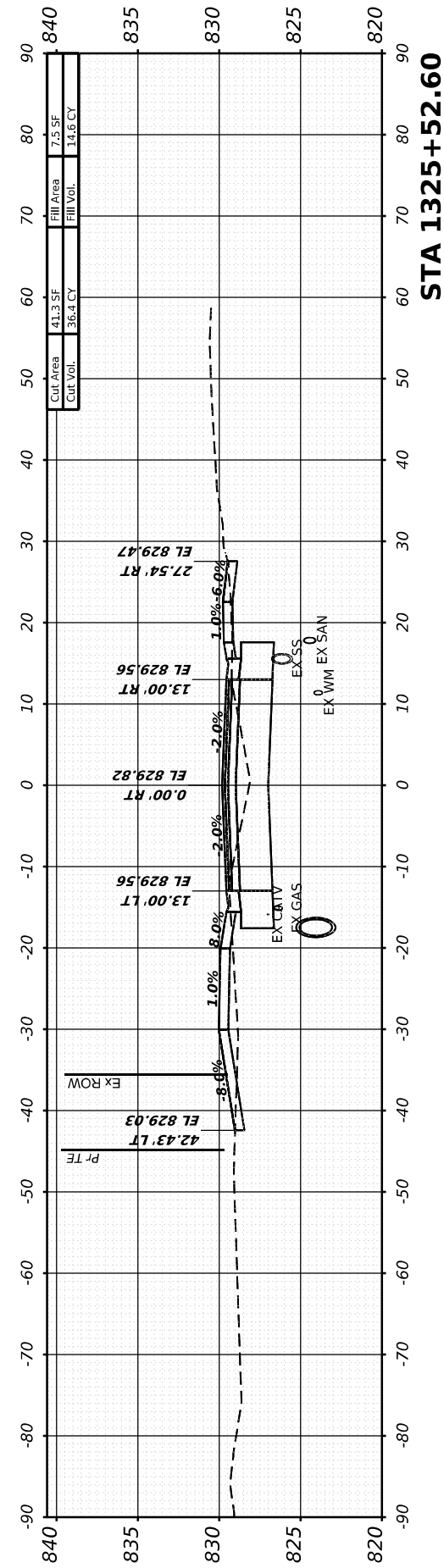
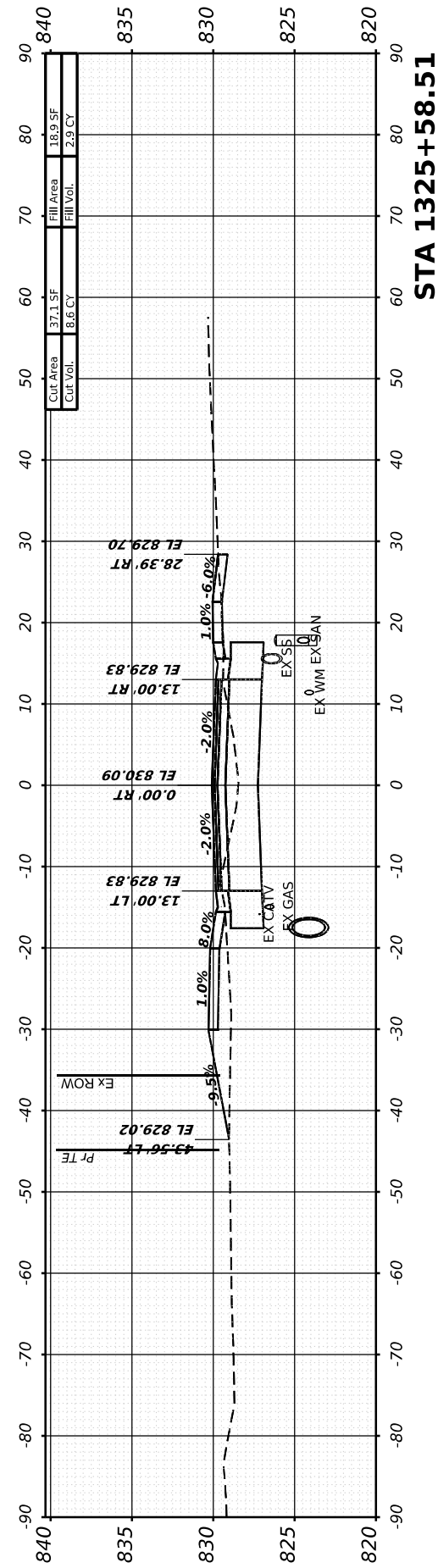
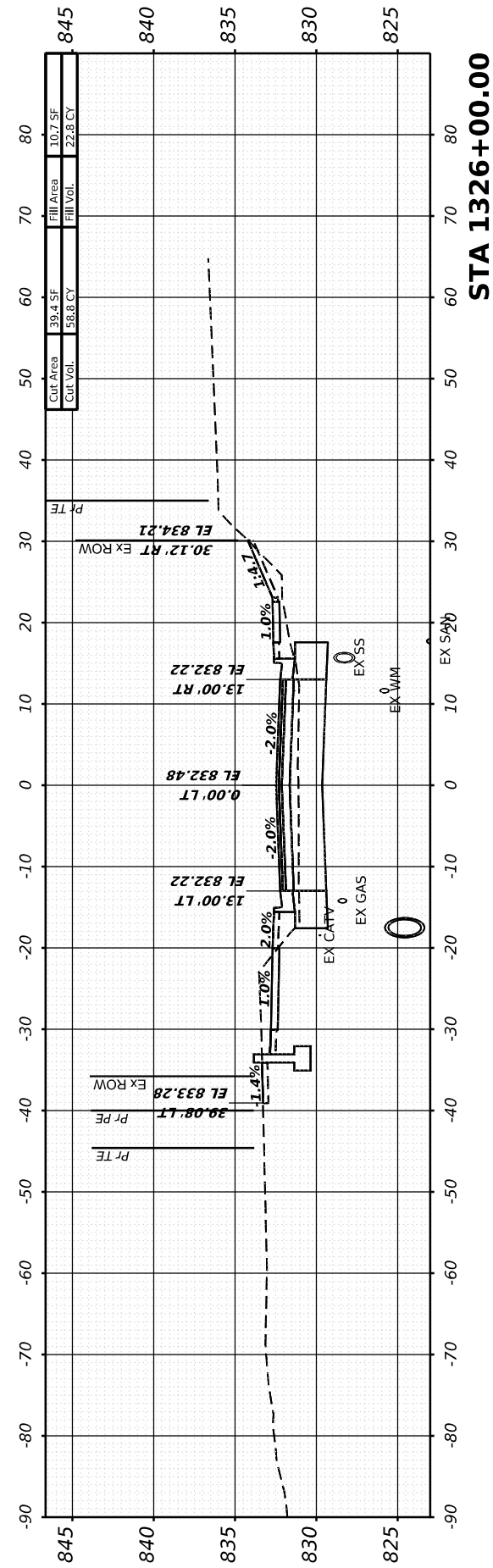
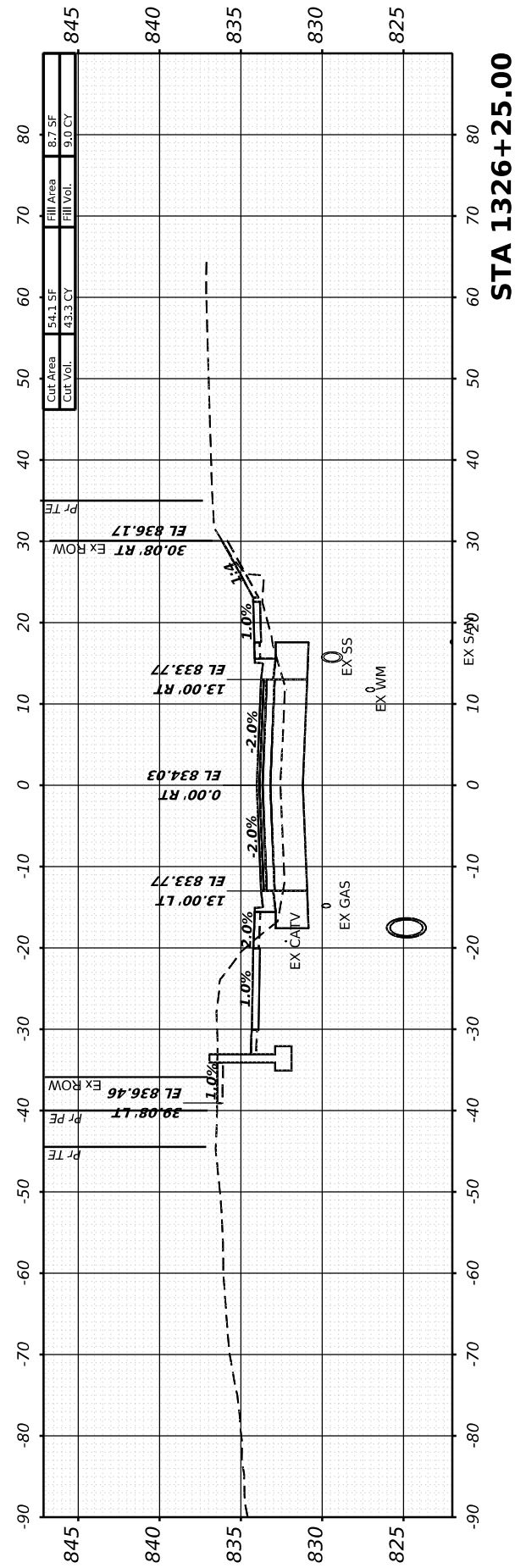
REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
IL ROUTE 81**

SCALE: 1" = 20' SHEET 23 OF 40 SHEETS STA.

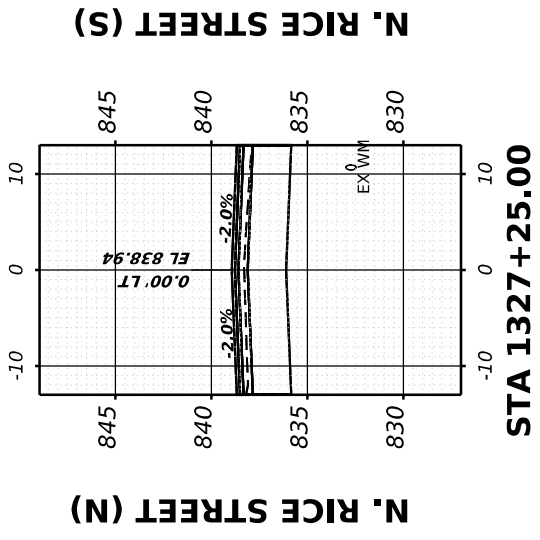
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	374
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				



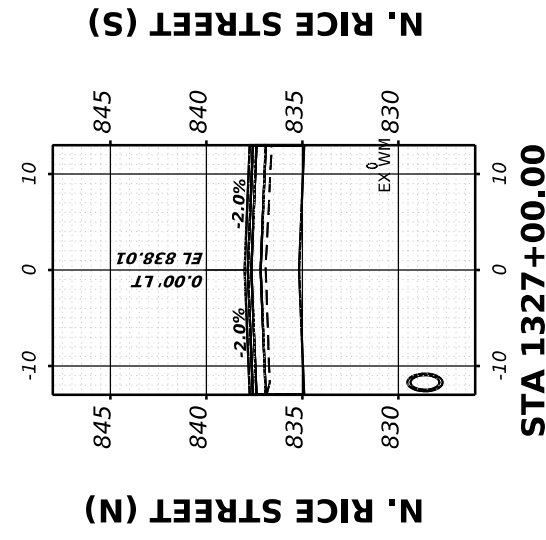
FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		
	AREAS CHECKED		

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

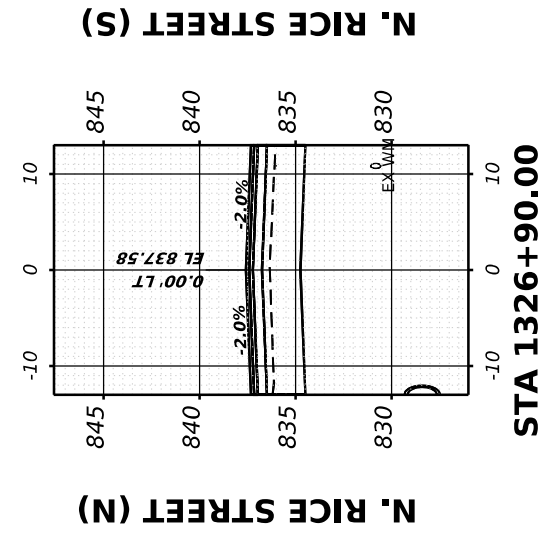
MODEL: IL81 - 1326+47.07 (Sheet)  
 FILE NAME: W:\2000\032\00\MicroStation\CAD\_Sheets\Cross-Sections\02\_64L94-SPR-IL81\_xssht21.dgn



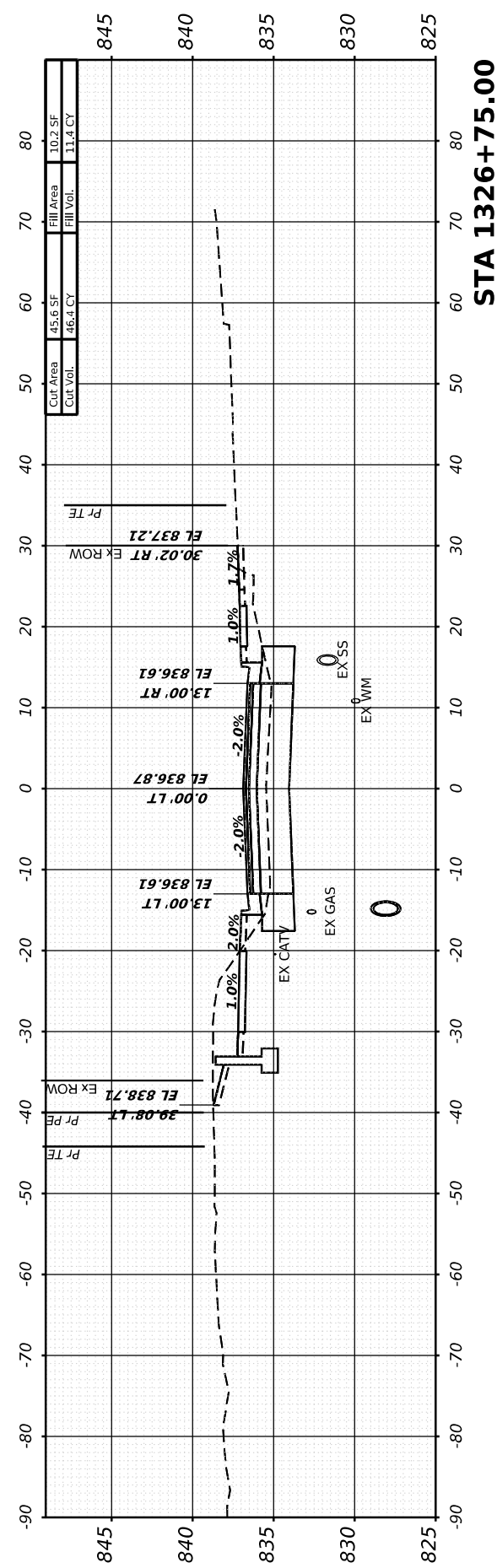
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Cut Vol.	17.2 CY	Fill Vol.	0.0 CY



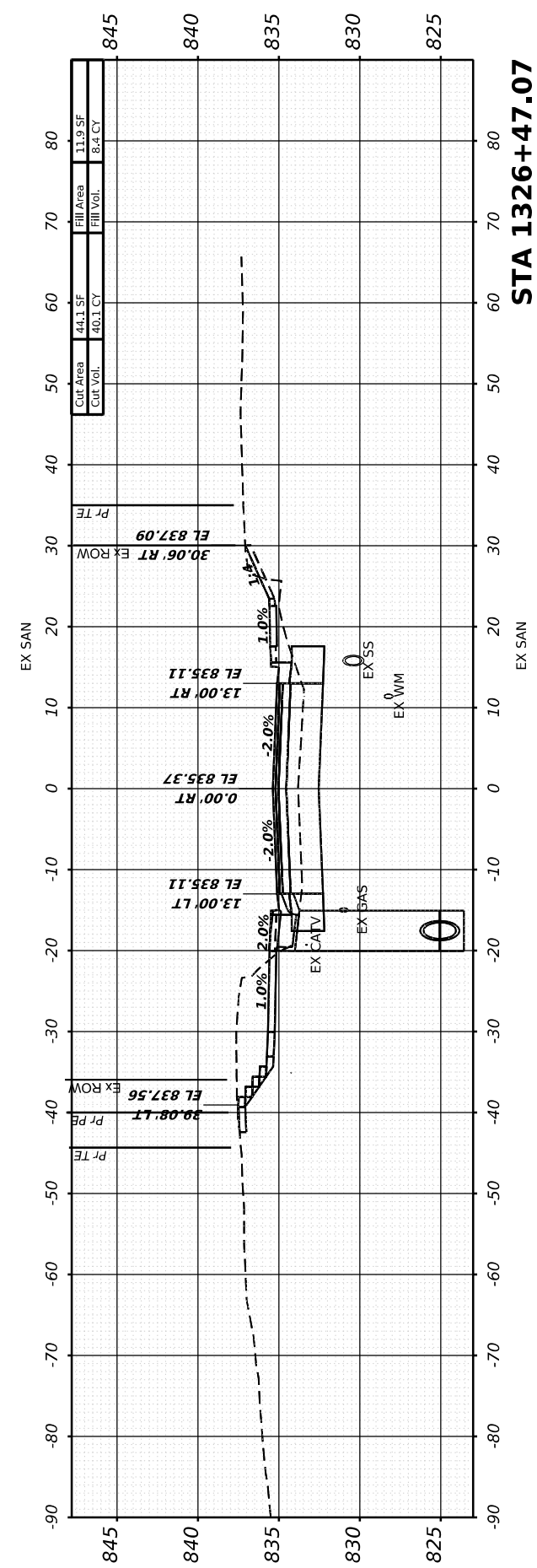
Cut Area	13.0 SF	Fill Area	0.0 SF
Cut Vol.	4.1 CY	Fill Vol.	0.0 CY



Cut Area	9.3 SF	Fill Area	0.0 SF
Cut Vol.	15.3 CY	Fill Vol.	2.8 CY



Cut Area	45.6 SF	Fill Area	10.2 SF
Cut Vol.	46.4 CY	Fill Vol.	11.4 CY



Cut Area	44.1 SF	Fill Area	11.9 SF
Cut Vol.	40.1 CY	Fill Vol.	8.4 CY



USER NAME	= Marc.A.Personette
PLOT SCALE	= 0.083333317 ' / in.
PLOT DATE	= 3/28/2026

DESIGNED	- PATRICK PAUSER
DRAWN	- PATRICK PAUSER
CHECKED	- BRAD LANGE
DATE	- 3/28/2026

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>CROSS SECTIONS    IL ROUTE 81</b>			
SCALE:	1" = 20'	SHEET 24	OF 40 SHEETS
		STA.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	375
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: I:\81 - 1327+50.00 [Sheet]  
 FILE NAME: W:\2000\032\00\MicroStation\CAD\_Sheets\Cross-Sections\02\_64L94-SPR-I\81\_xssht12.dgn



401 E. STATE ST, 4th Floor  
 ROCKFORD, IL 61104  
 PH: 815.965.6400  
 www.imegcorp.com

USER NAME =	Marc.A.Personette
PLOT SCALE =	= 0.083333317 1/1 in.
PLOT DATE =	3/28/2026

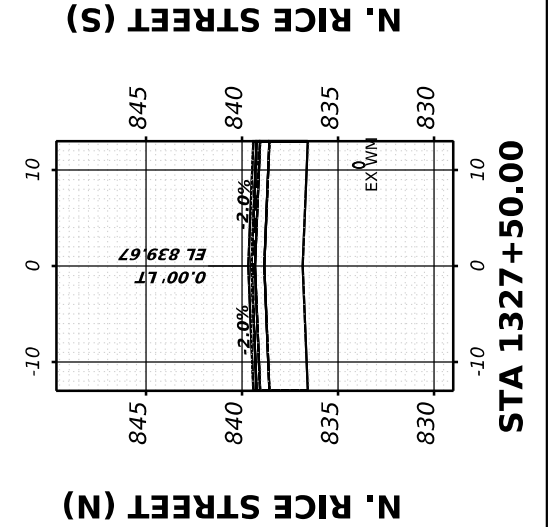
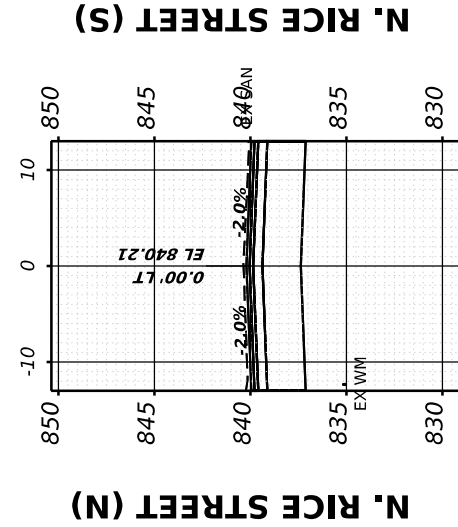
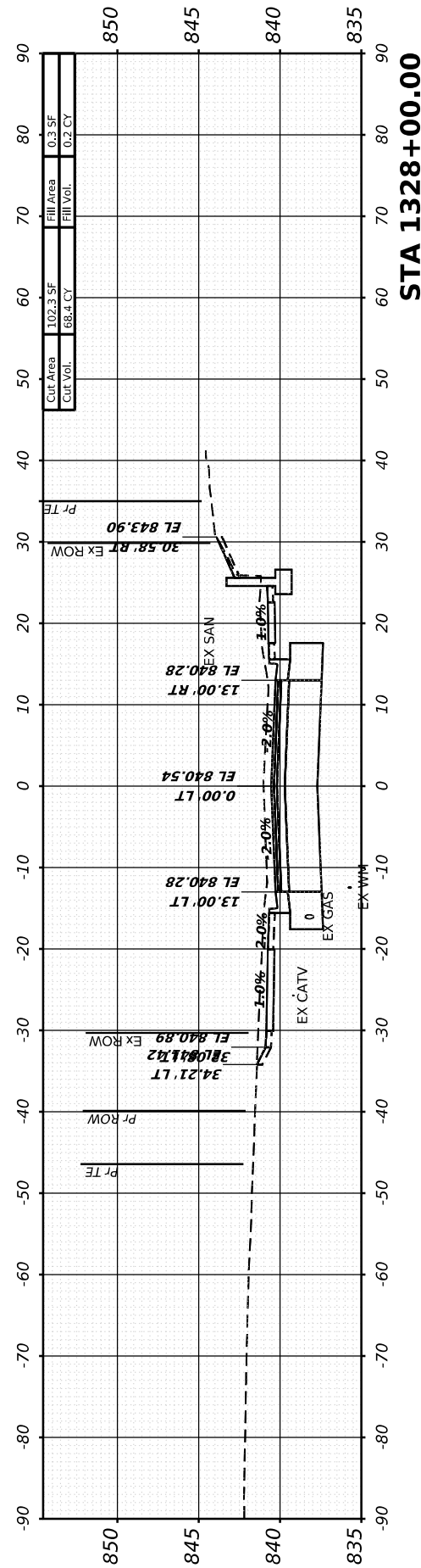
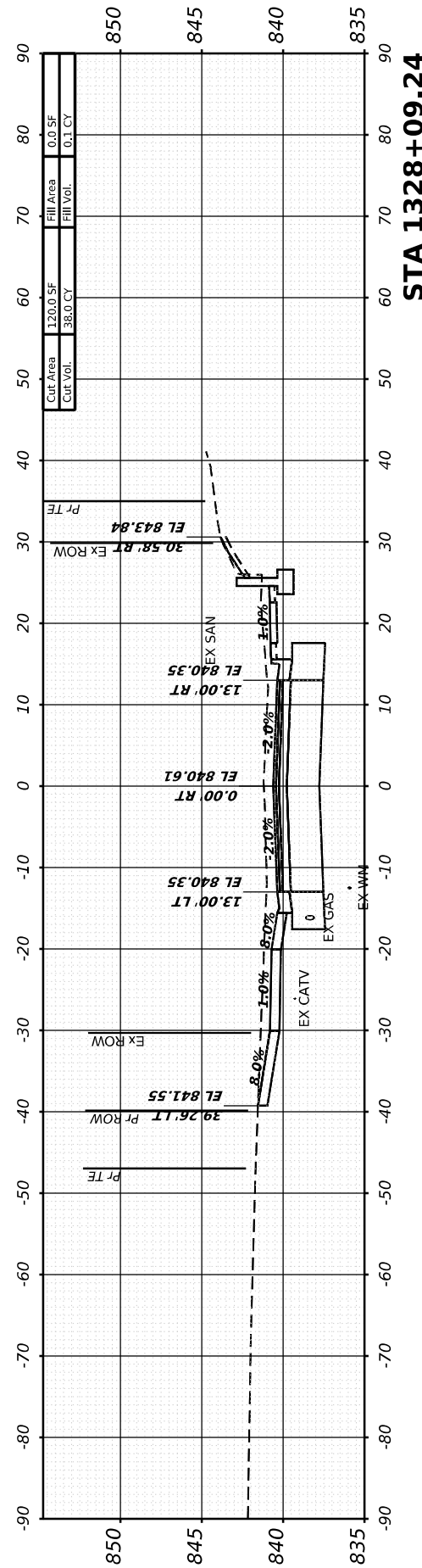
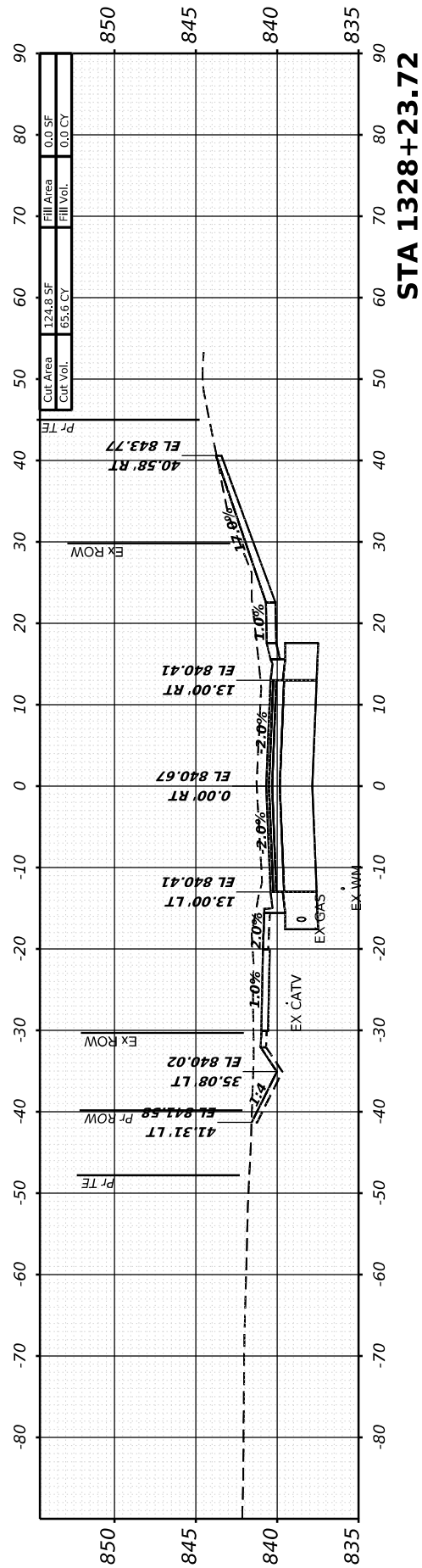
DESIGNED -	PATRICK PAUSER	REVISED -	
DRAWN -	PATRICK PAUSER	REVISED -	
CHECKED -	BRAD LANGE	REVISED -	
DATE -	3/28/2026	REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 IL ROUTE 81**

SCALE: 1" = 20' SHEET 25 OF 40 SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	376
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				



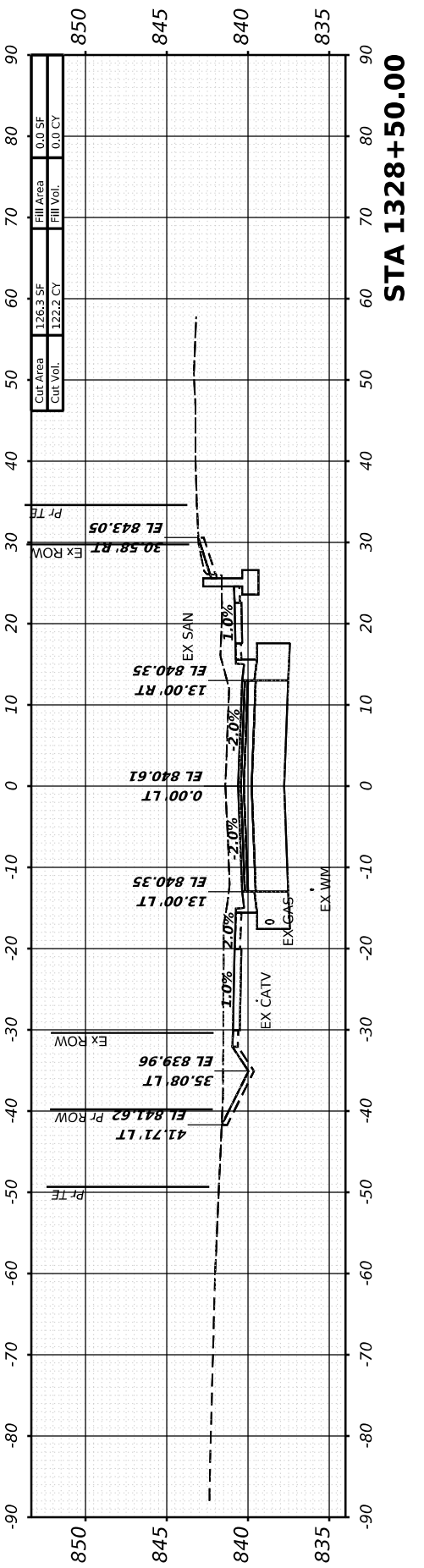
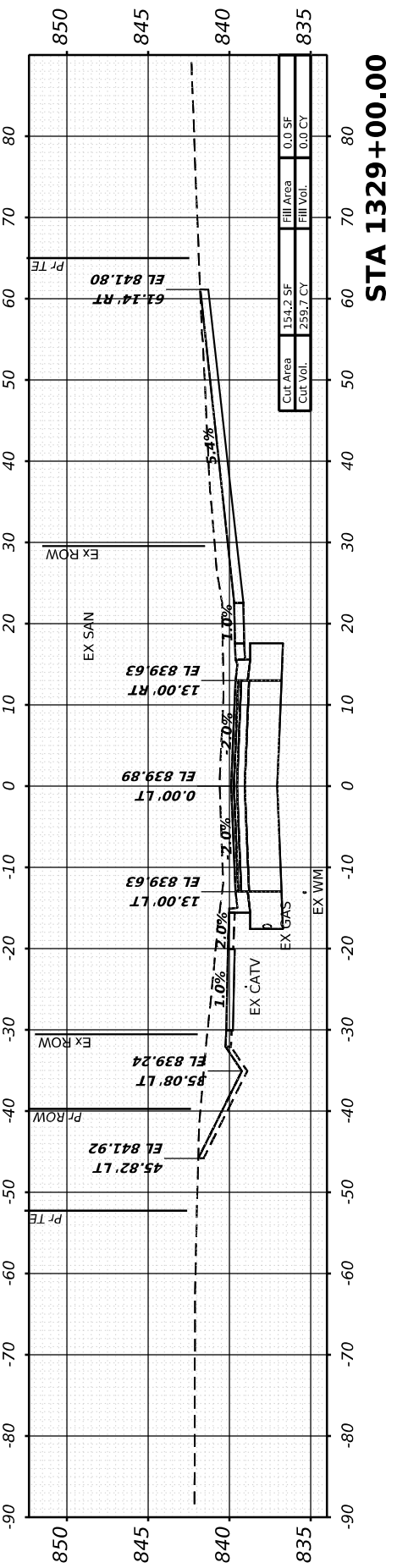
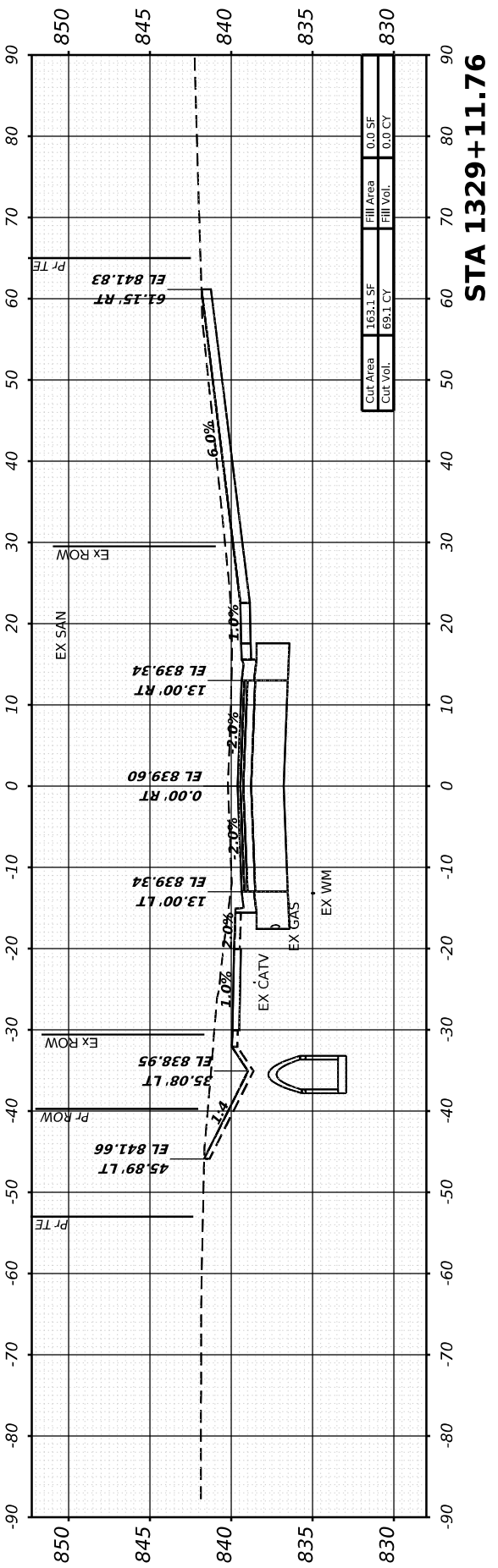
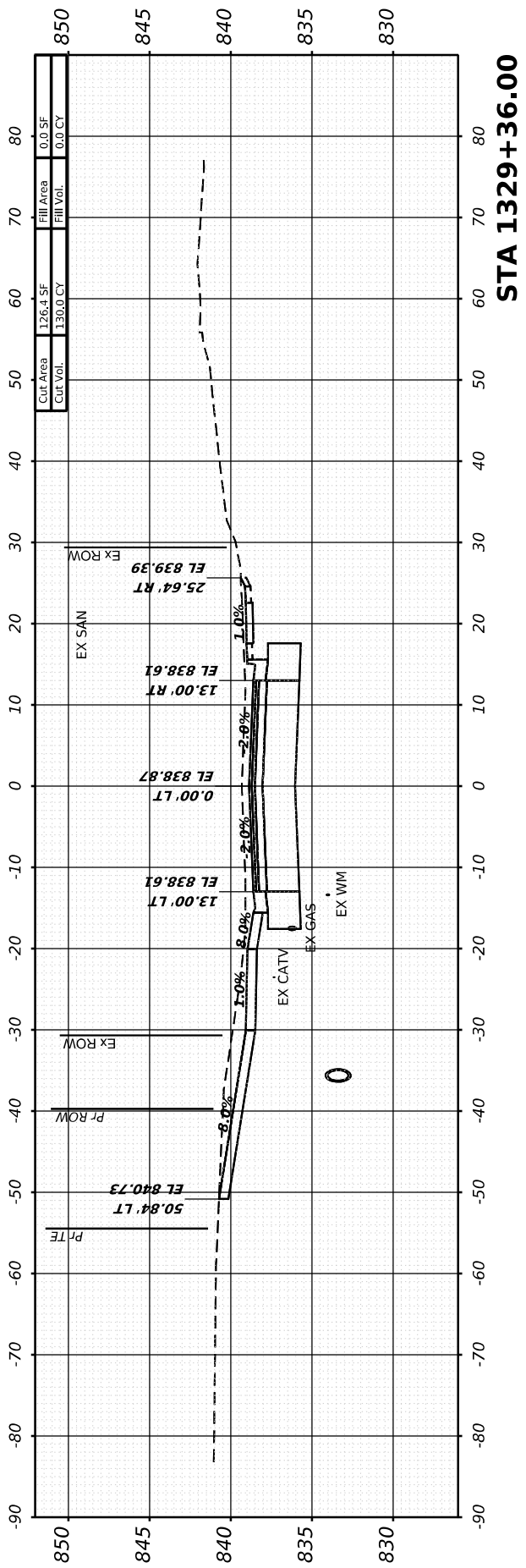
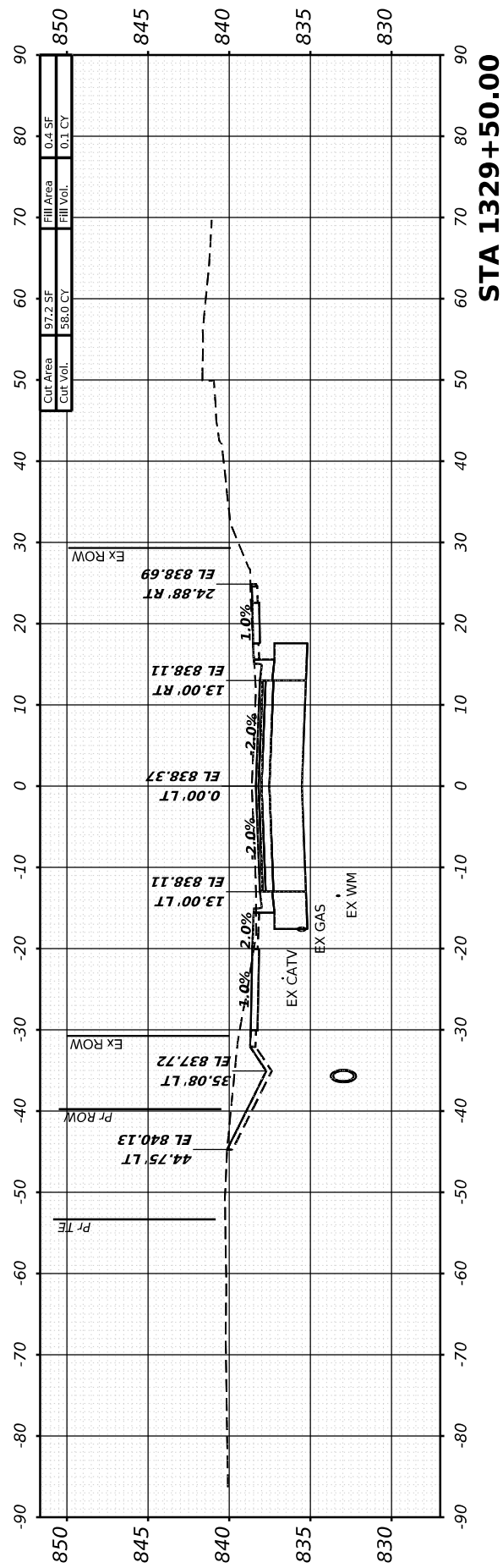
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Cut Vol.	37.5 CY	Fill Vol.	0.0 CY

Cut Area	35.5 SF	Fill Area	0.0 SF
Cut Vol.	27.6 CY	Fill Vol.	0.0 CY

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

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

MODEL: I181 - 1328+50.00 (Sheet)  
 FILE NAME: W:\2020\1032\00\InfoStation\CAD\_Sheets\Cross-Sections\02\_64L94-SPR-I181\_xssht12.dgn



USER NAME = Marc.A.Personette  
 PLOT SCALE = 0.08333317 1/ in.  
 PLOT DATE = 3/28/2026

DESIGNED - PATRICK PAUSER  
 DRAWN - PATRICK PAUSER  
 CHECKED - BRAD LANGE  
 DATE - 3/28/2026

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 IL ROUTE 81**

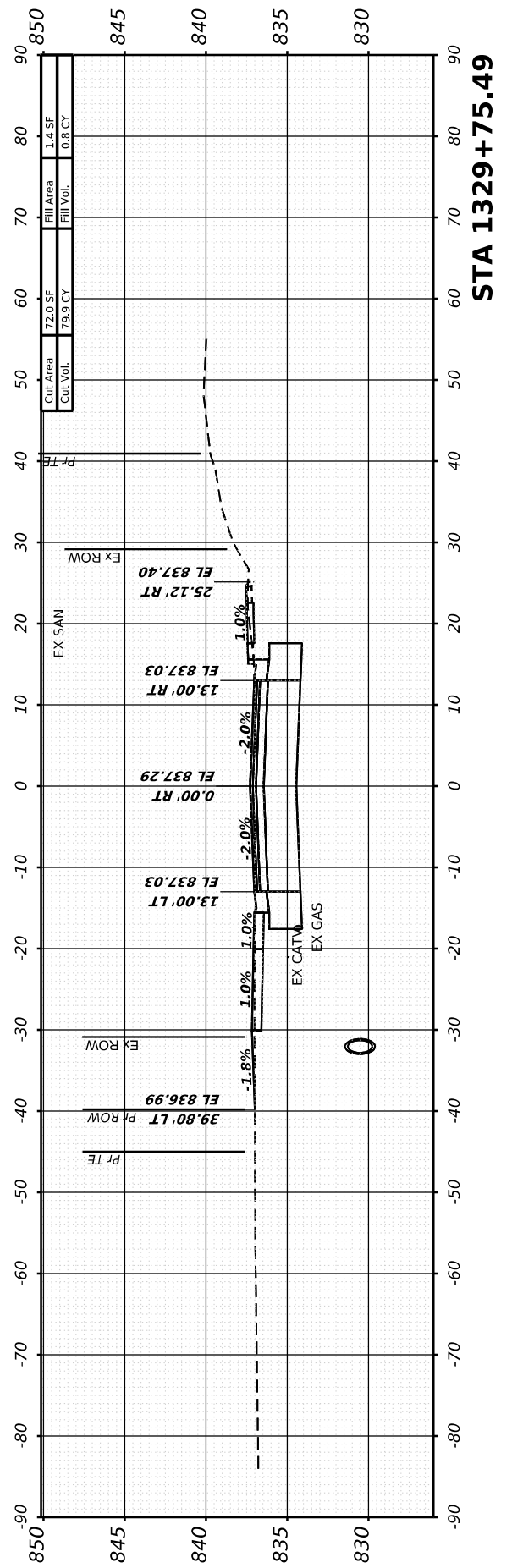
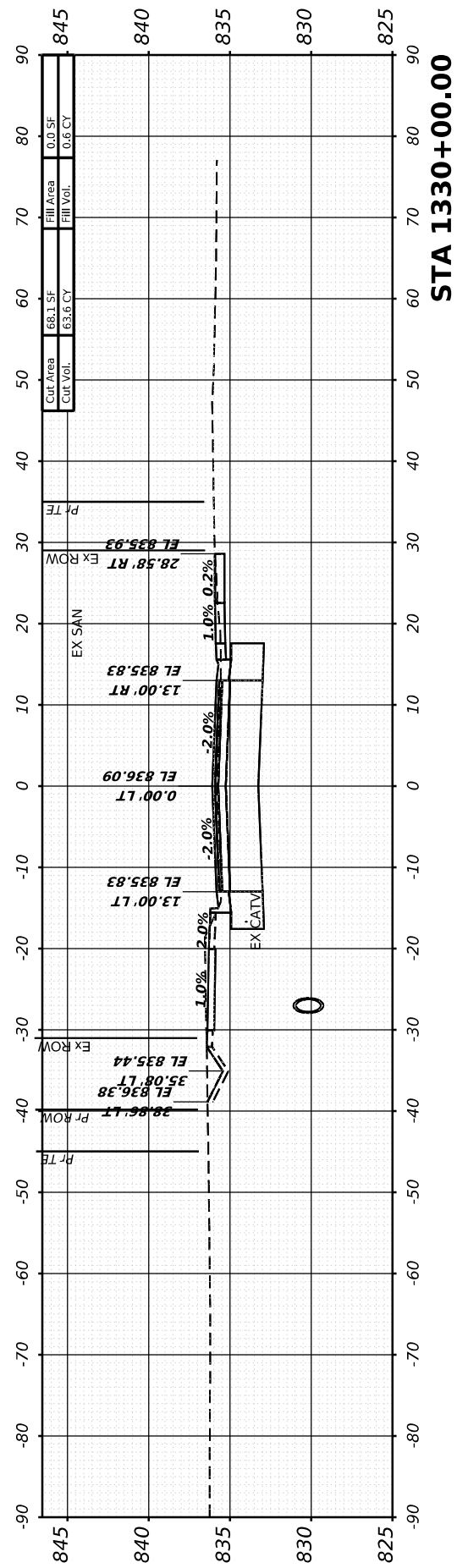
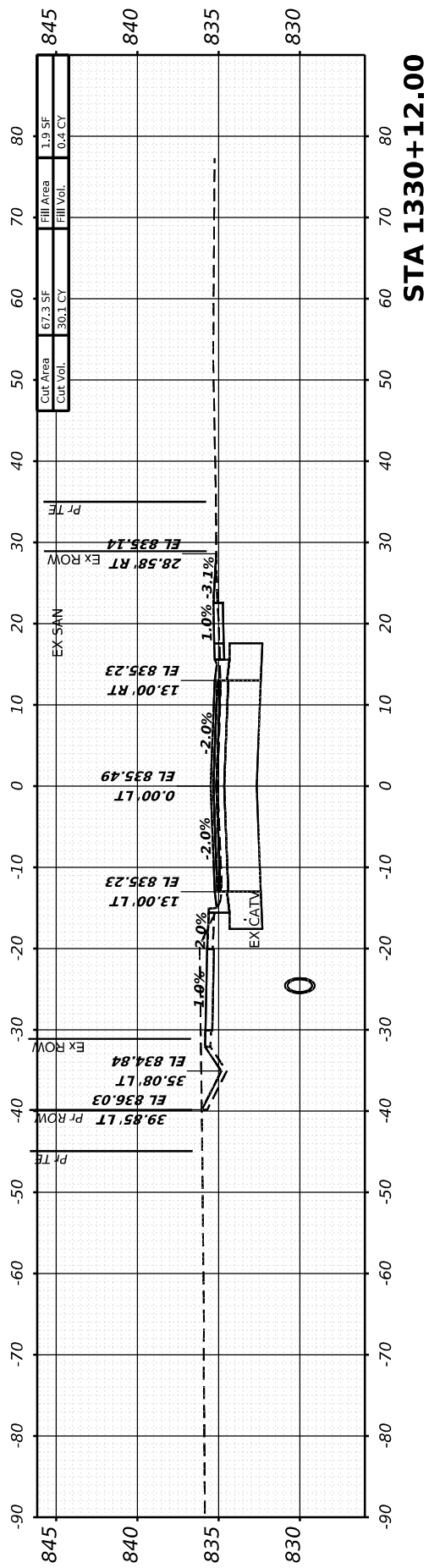
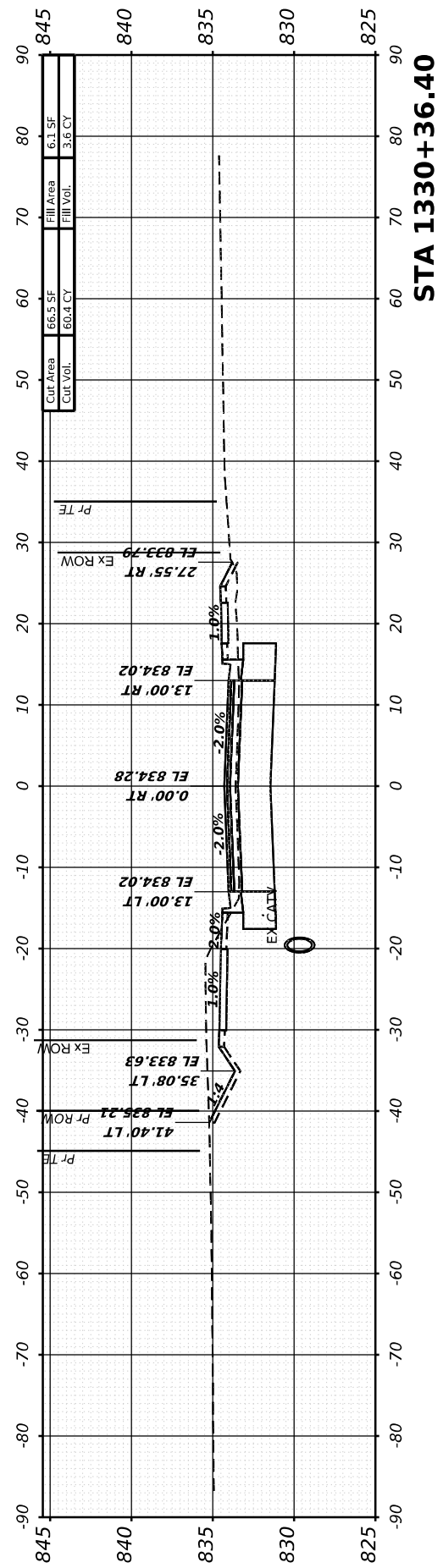
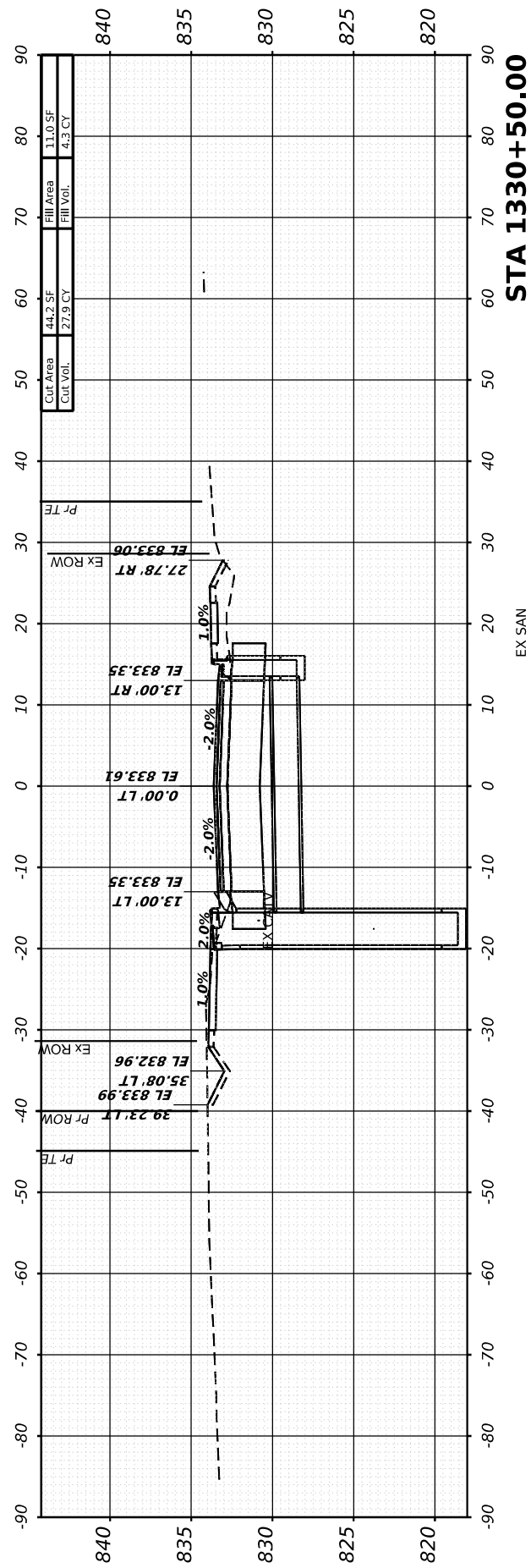
SCALE: 1" = 20'    SHEET 26 OF 40 SHEETS    STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	377
CONTRACT NO. 64L94				
ILLINOIS    FED. AID PROJECT				

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

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

MODEL: I181 - 1329+75.49 (Sheet)  
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USER NAME = Marc.A.Personette  
 PLOT SCALE = 0.08333317 ' / in.  
 PLOT DATE = 3/28/2026

DESIGNED - PATRICK PAUSER  
 DRAWN - PATRICK PAUSER  
 CHECKED - BRAD LANGE  
 DATE - 3/28/2026

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 IL ROUTE 81**  
 SCALE: 1" = 20' SHEET 27 OF 40 SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	378
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: I181 - 1331+00.00 [Sheet]  
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PLOT SCALE	= 0.08333317 ' / in.
PLOT DATE	= 3/28/2026

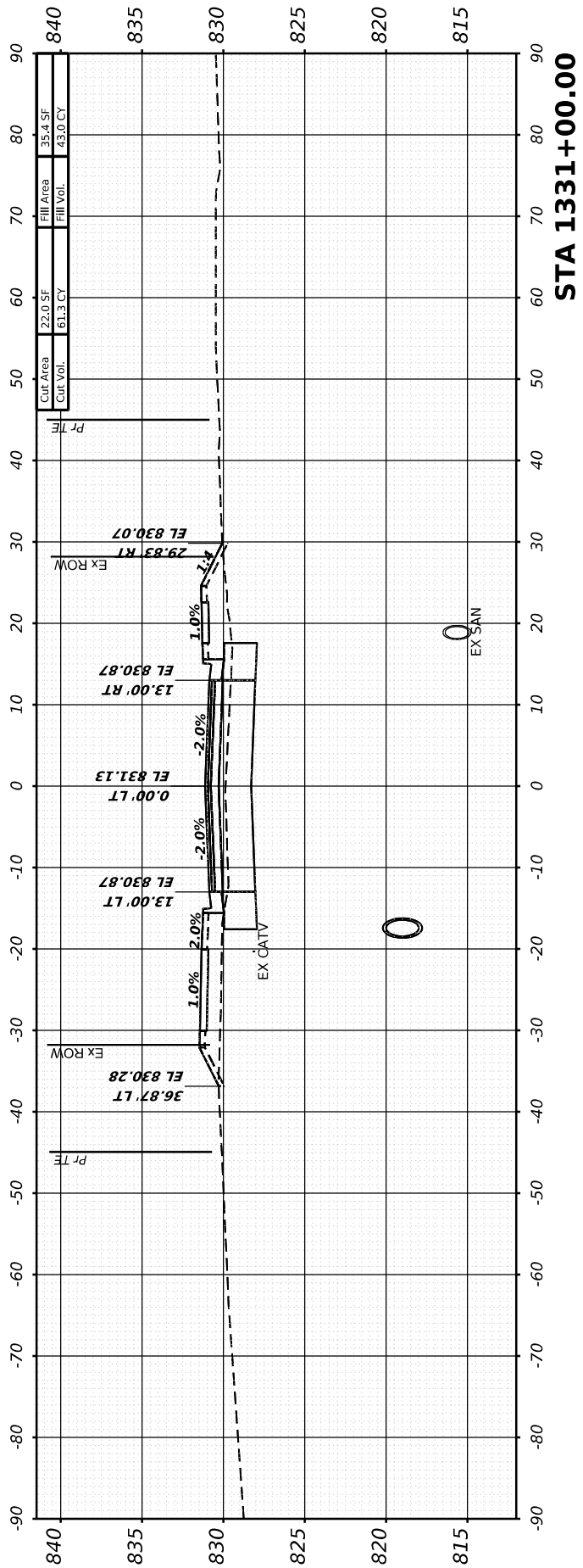
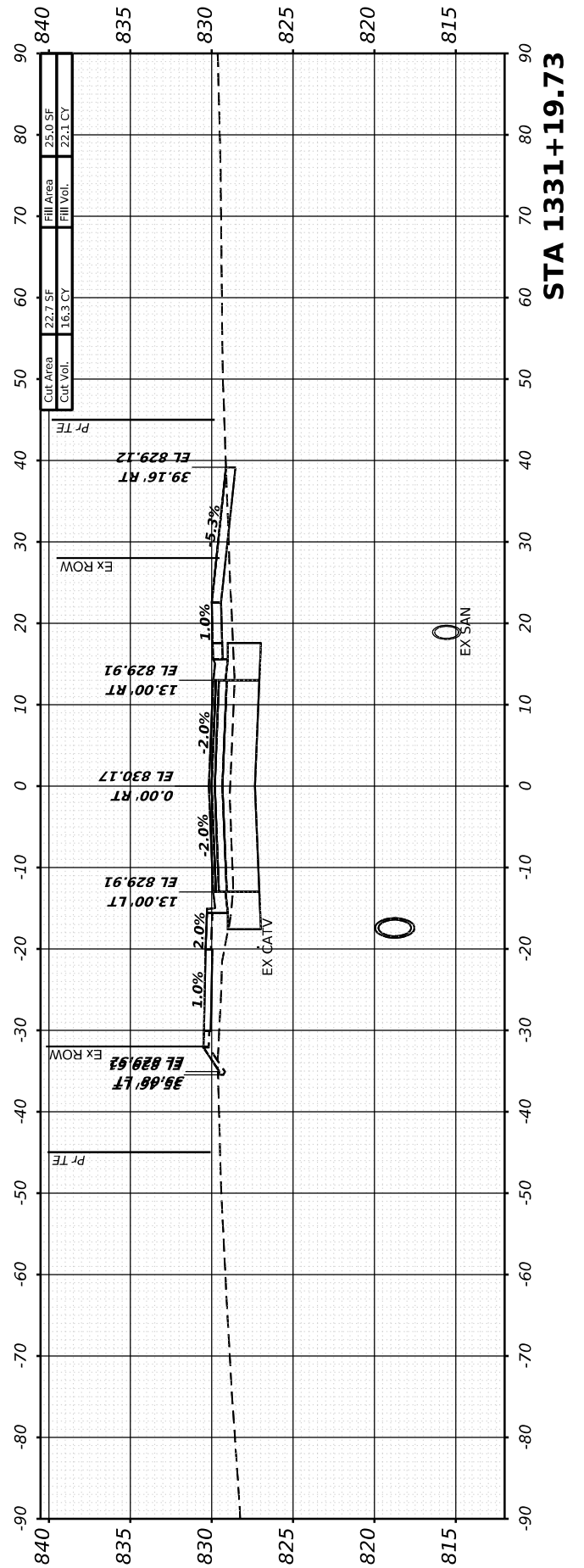
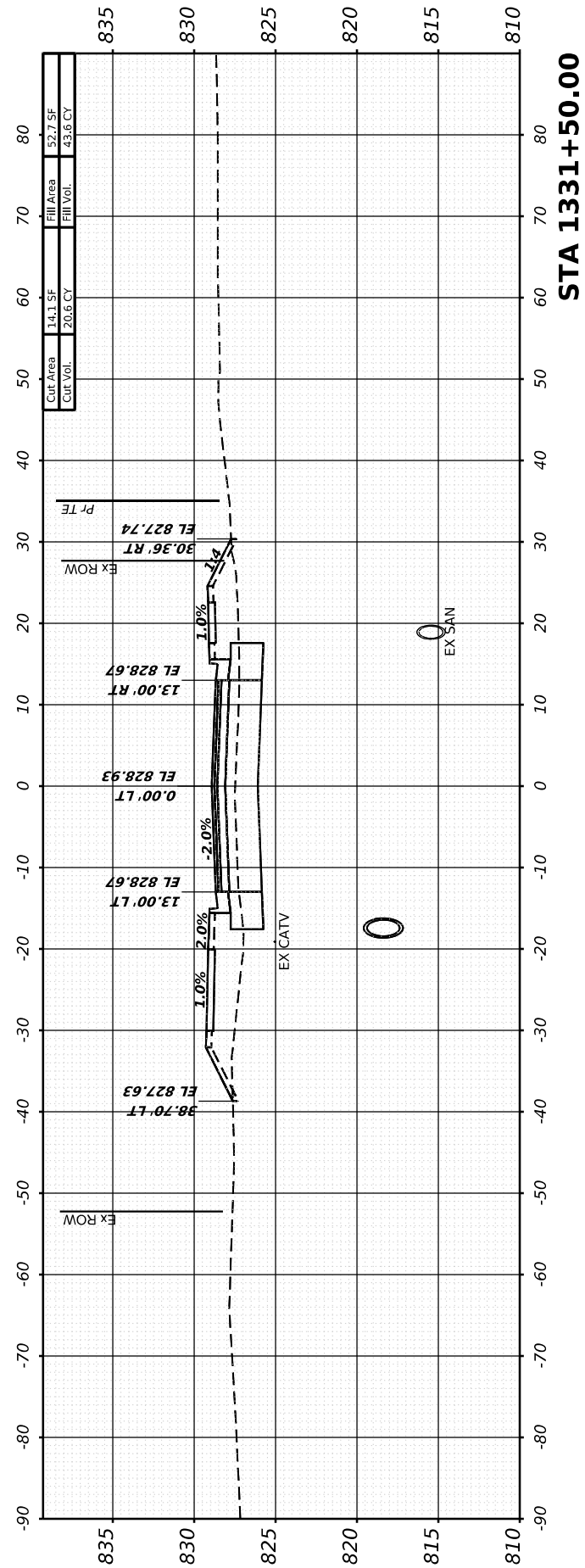
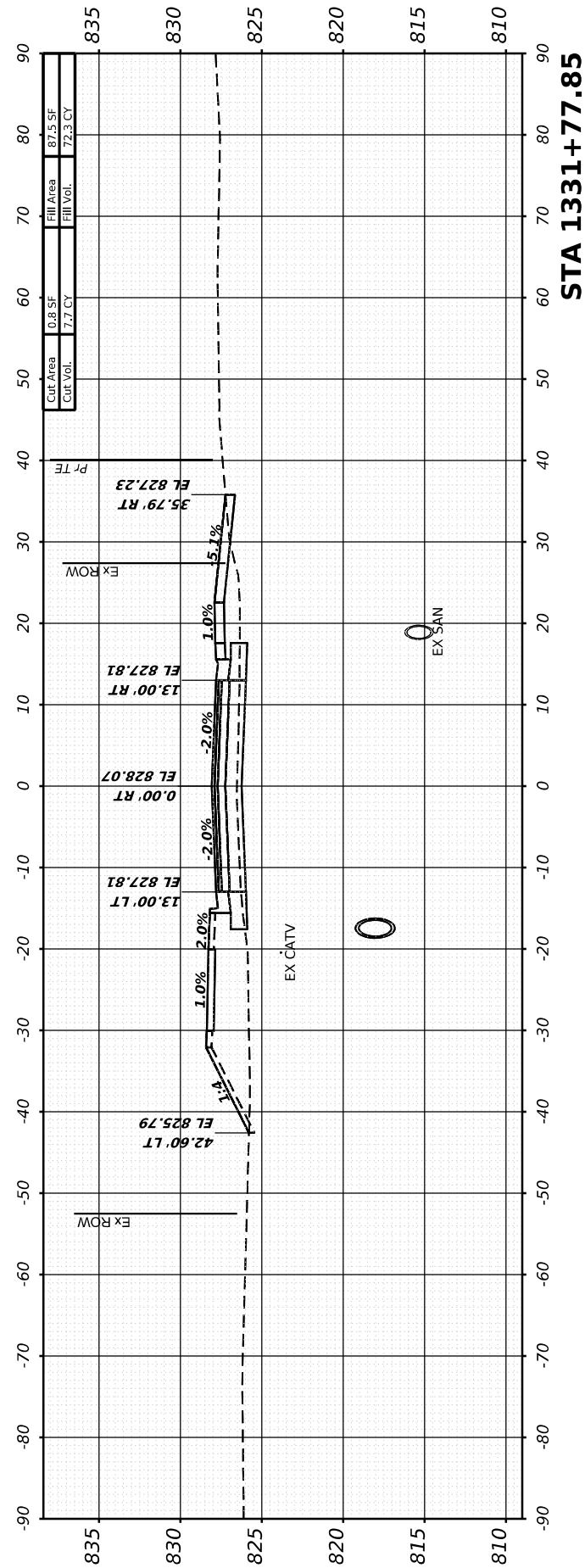
DESIGNED	- PATRICK PAUSER	REVISED	-
DRAWN	- PATRICK PAUSER	REVISED	-
CHECKED	- BRAD LANGE	REVISED	-
DATE	- 3/28/2026	REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 IL ROUTE 81**

SCALE: 1" = 20' SHEET 28 OF 40 SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	379
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				



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

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

MODEL: I181 - 1332+00.00 [Sheet]  
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DESIGNED	- PATRICK PAUSER
DRAWN	- PATRICK PAUSER
PLOT SCALE	= 0.08333317' / in.
PLOT DATE	= 3/28/2026

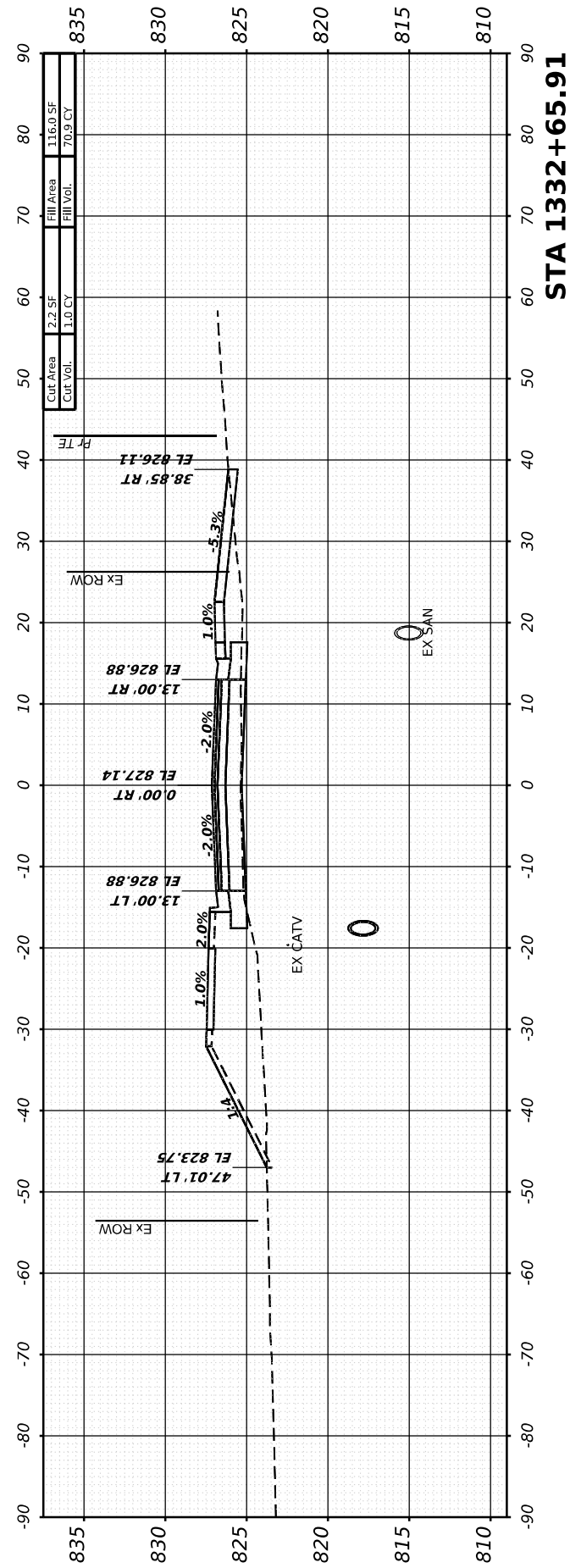
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REVISD	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

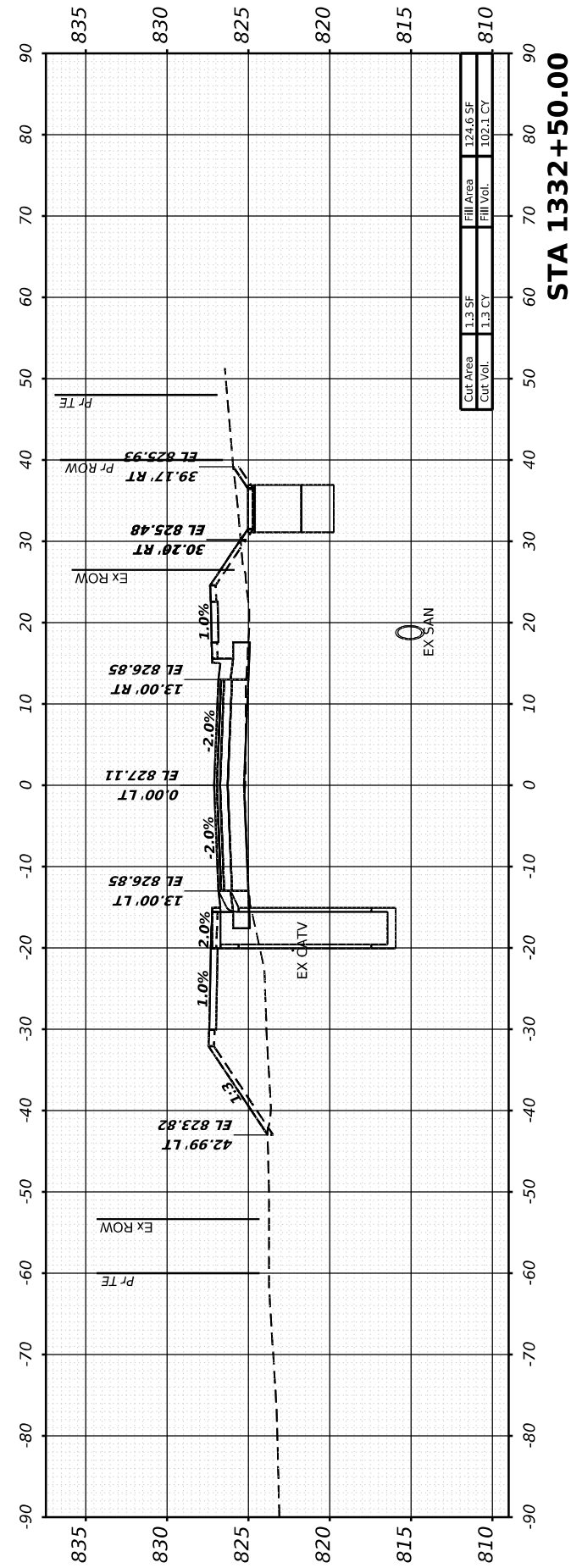
**CROSS SECTIONS  
 IL ROUTE 81**

SCALE: 1" = 20' SHEET 29 OF 40 SHEETS STA.

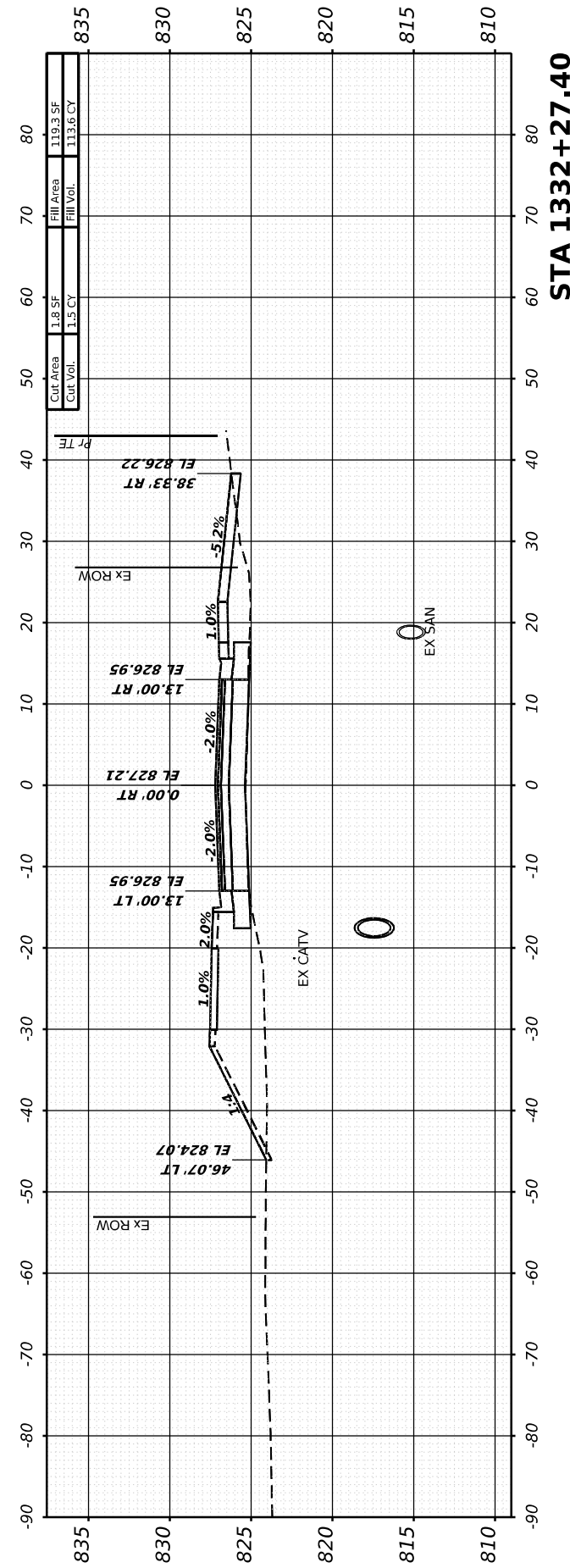
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	380
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				



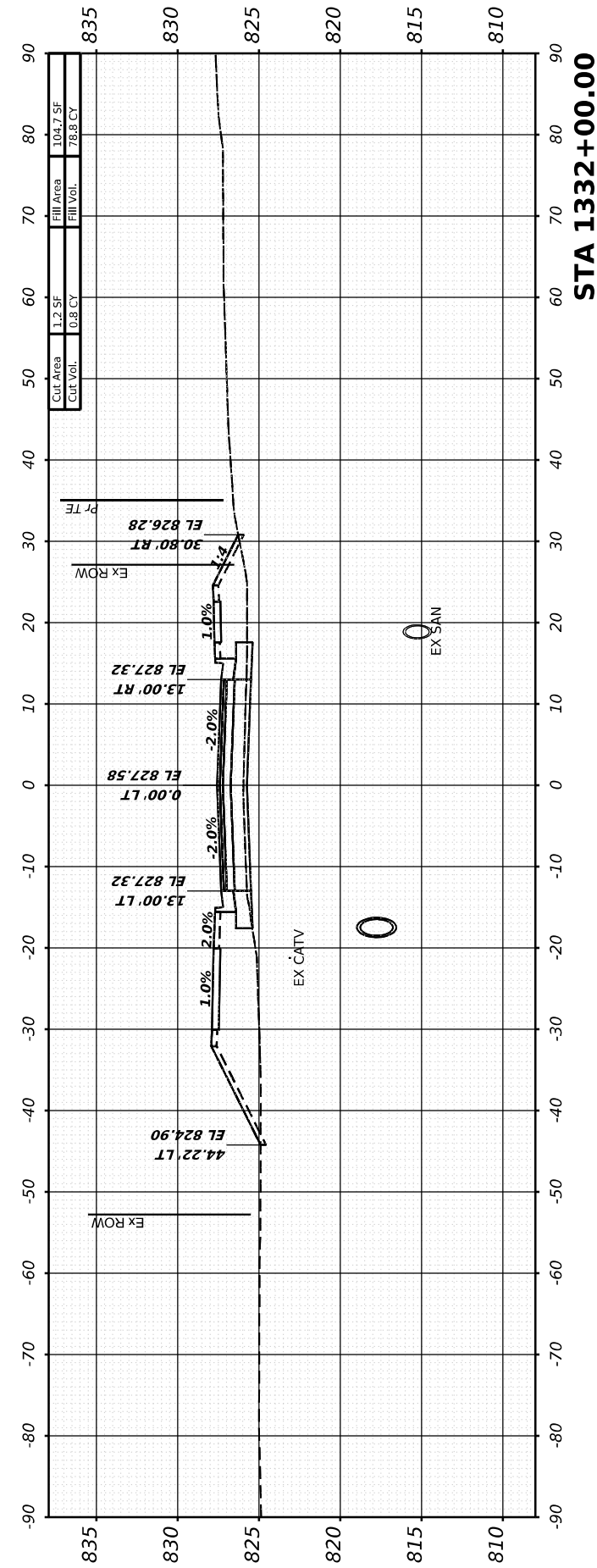
**STA 1332+65.91**



**STA 1332+50.00**



**STA 1332+27.40**



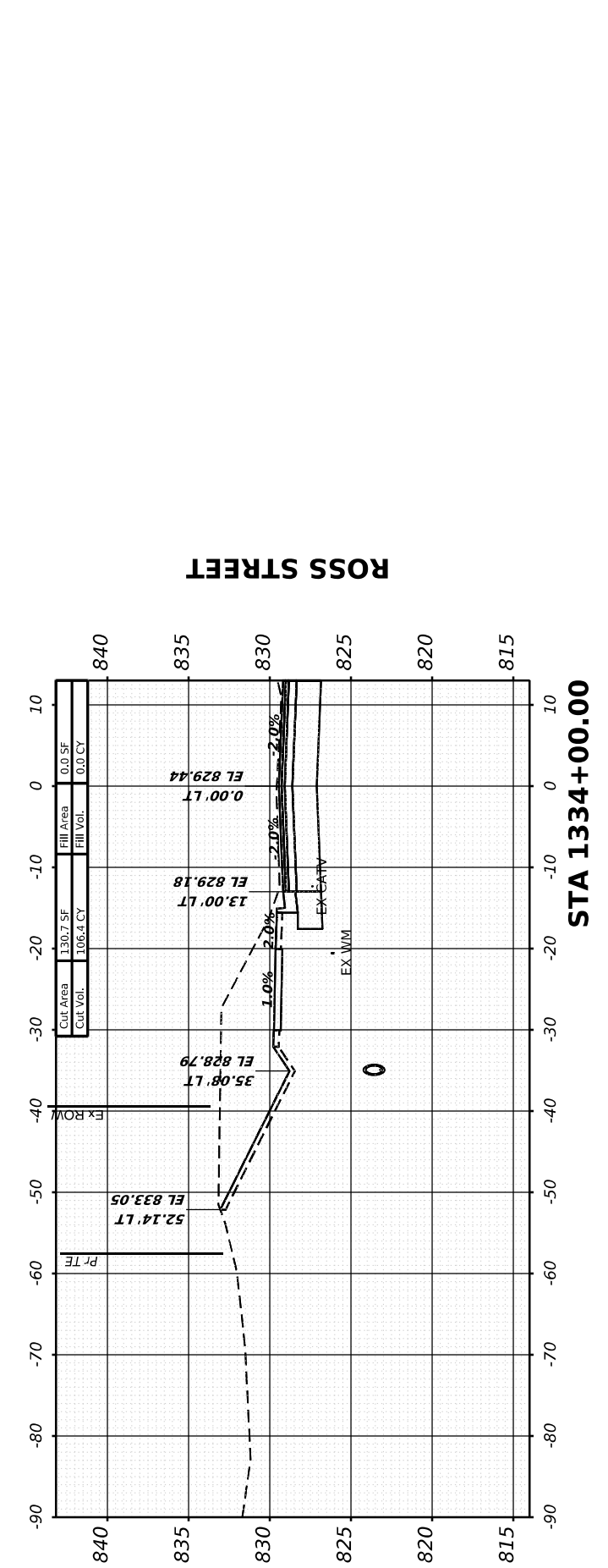
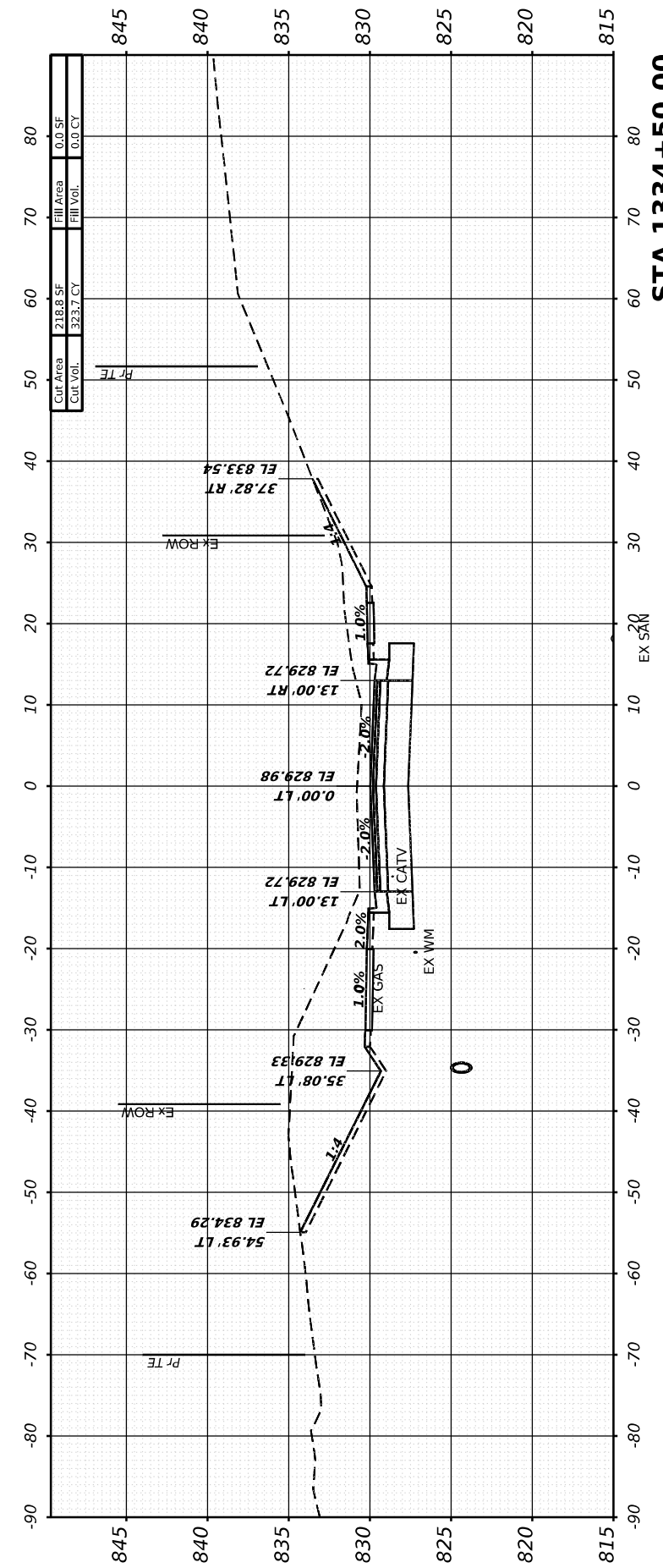
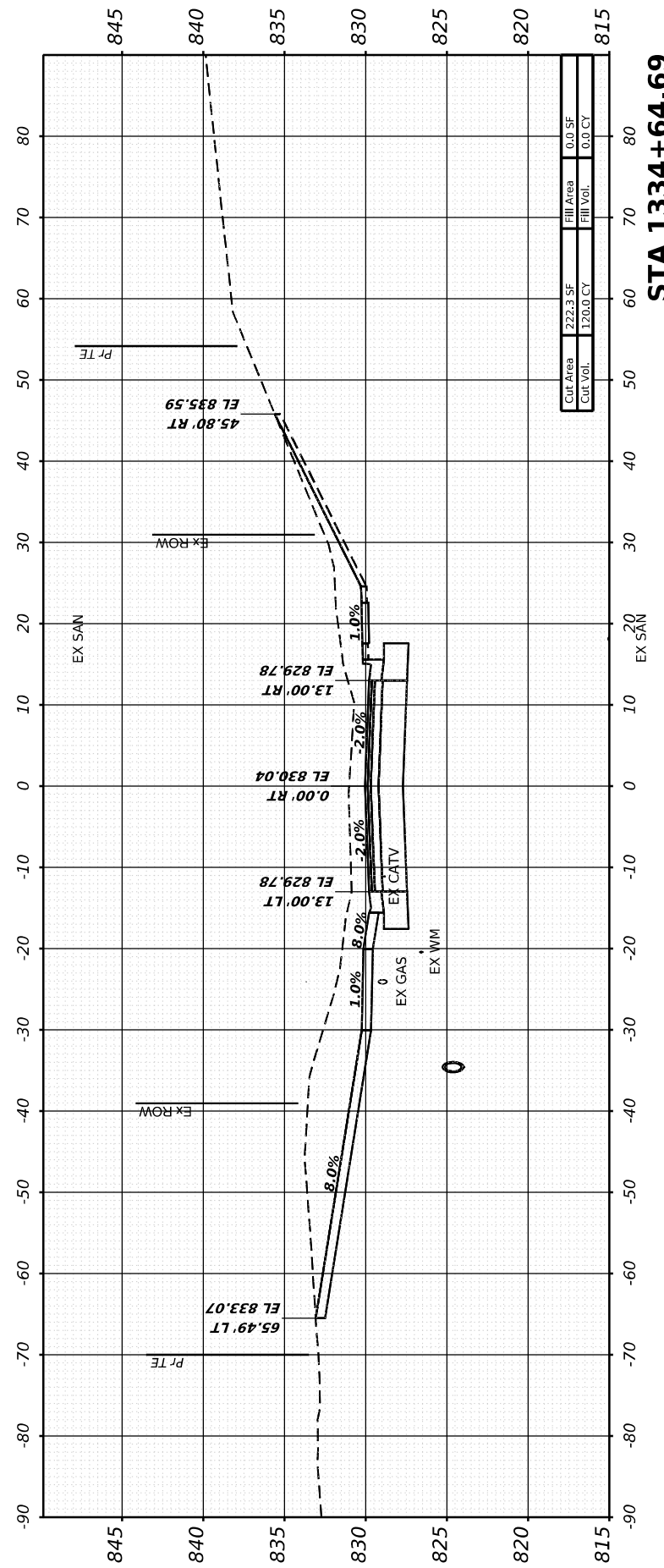
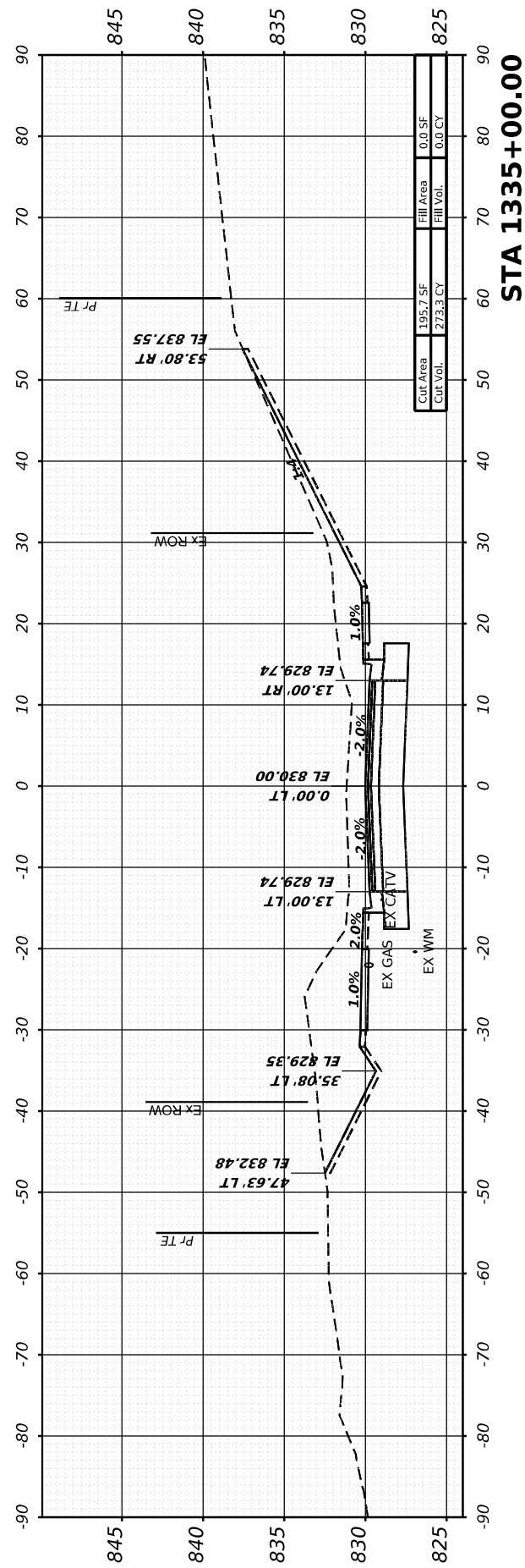
**STA 1332+00.00**



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

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

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USER NAME = Marc.A.Personette  
 PLOT SCALE = 0.08333317 1/ in.  
 PLOT DATE = 3/28/2026

DESIGNED - PATRICK PAUSER  
 DRAWN - PATRICK PAUSER  
 CHECKED - BRAD LANGE  
 DATE - 3/28/2026

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 IL ROUTE 81**

SCALE: 1" = 20' SHEET 31 OF 40 SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	382
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: I181 - 1335+47.45 (Sheet)  
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USER NAME	= Marc.A.Personette
DESIGNED	- PATRICK PAUSER
DRAWN	- PATRICK PAUSER
CHECKED	- BRAD LANGE
DATE	- 3/28/2026
REVISIONS	
REVISED	-
REVISED	-
REVISED	-
REVISED	-

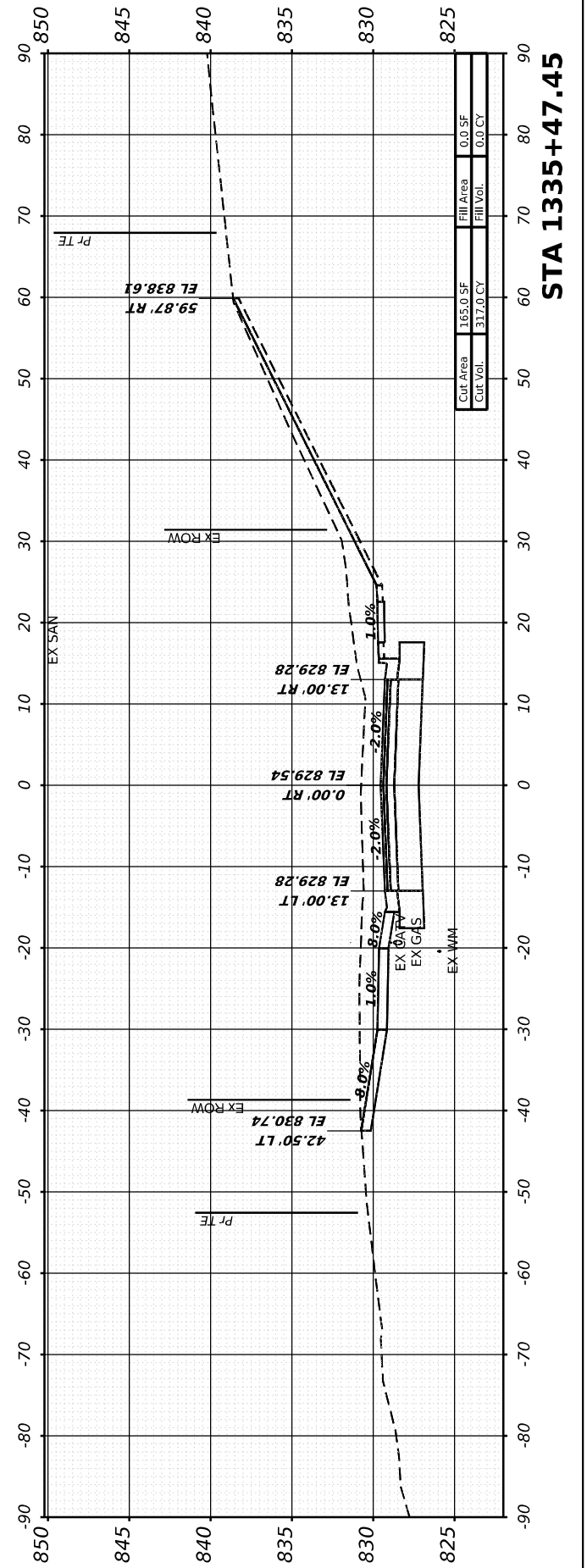
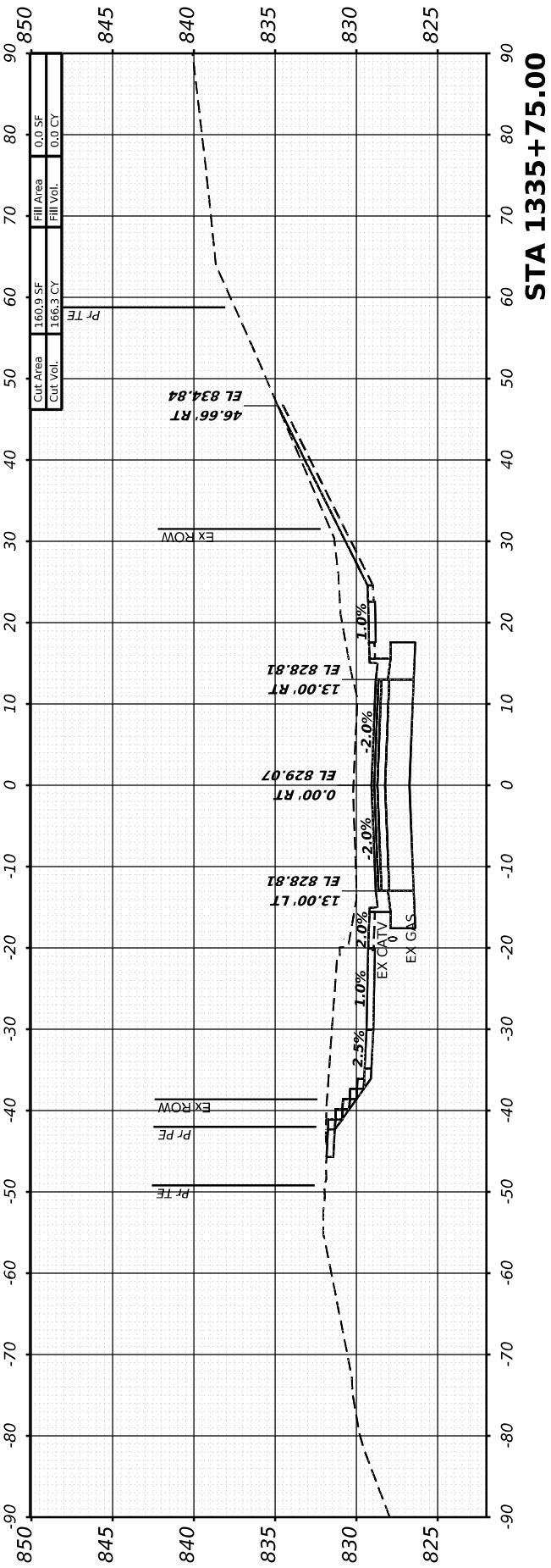
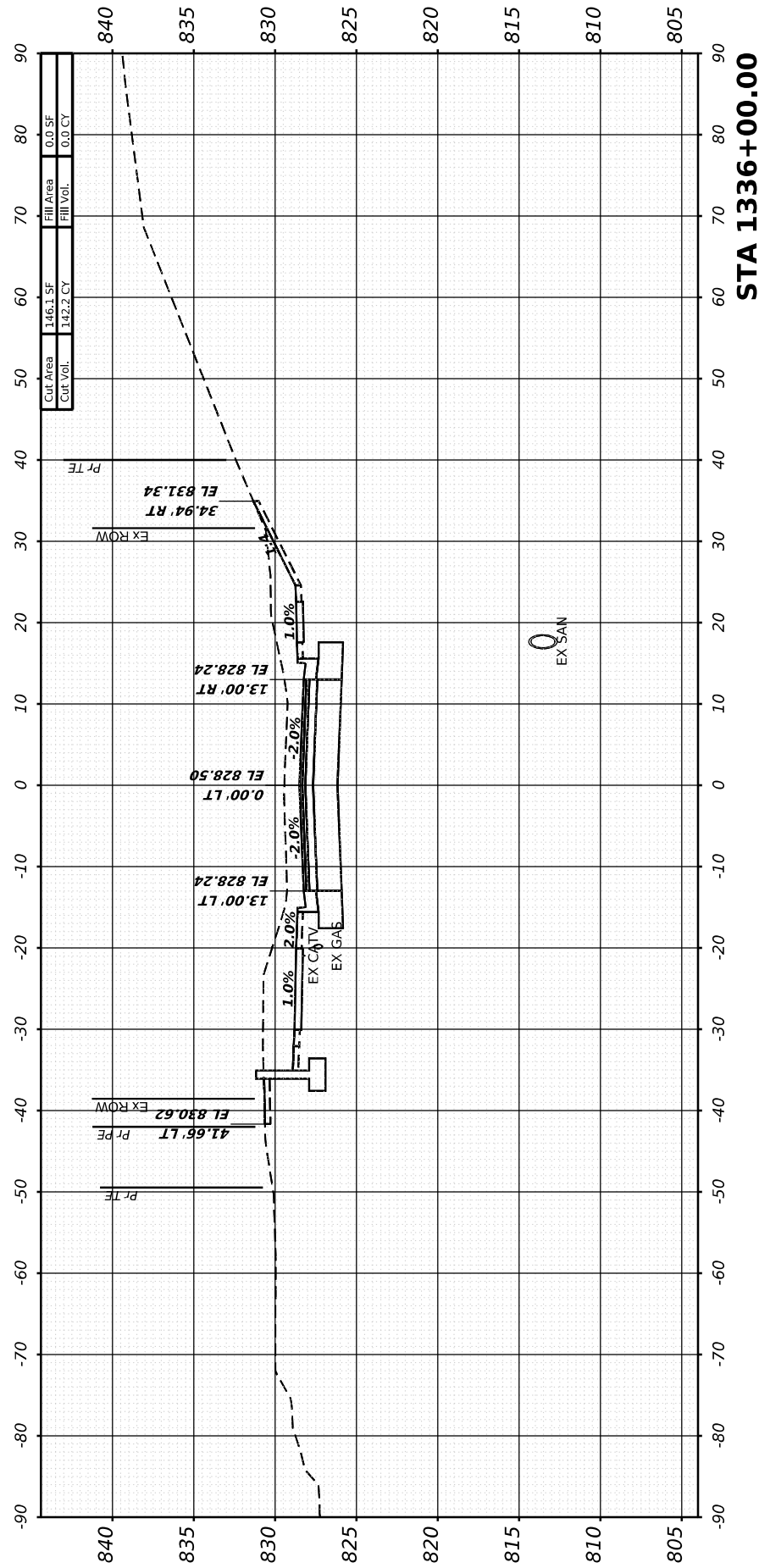
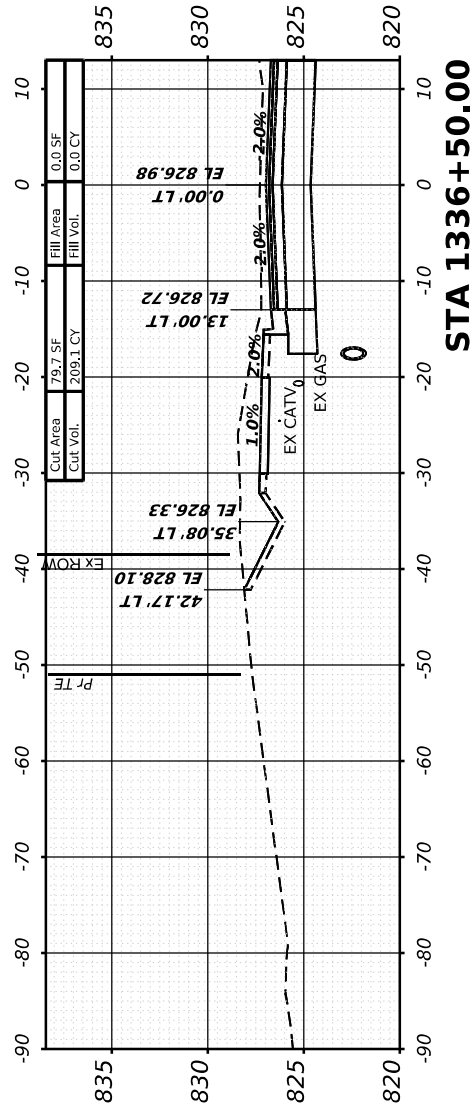
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 IL ROUTE 81**

SCALE: 1" = 20' SHEET 32 OF 40 SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	383
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				

**N. GROVE STREET**



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

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

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USER NAME =	Marc.A.Personette
DESIGNED -	PATRICK PAUSER
DRAWN -	PATRICK PAUSER
CHECKED -	BRAD LANGE
DATE -	3/28/2026
PLOT SCALE =	0.08333317 1/ in.
PLOT DATE =	3/28/2026

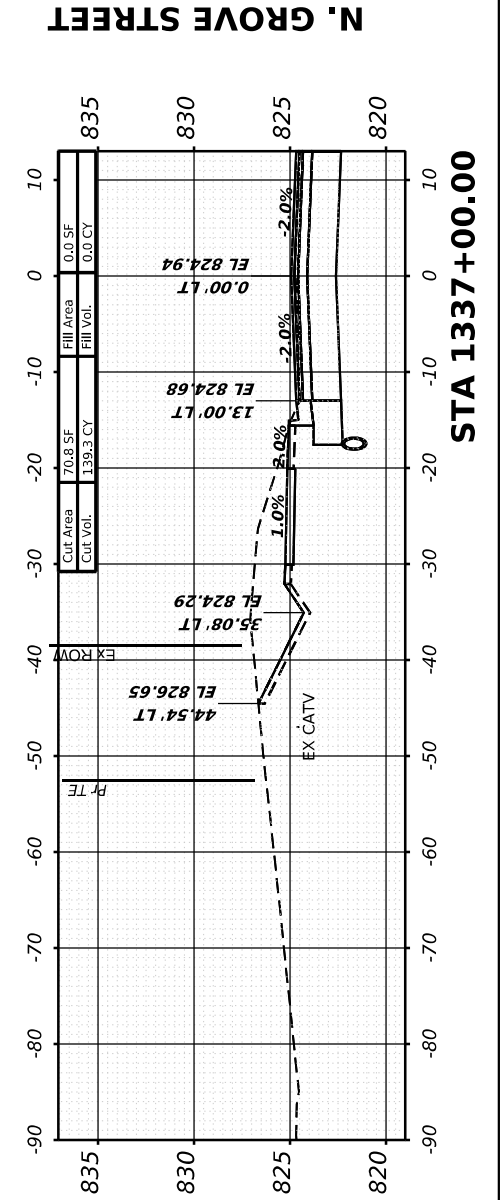
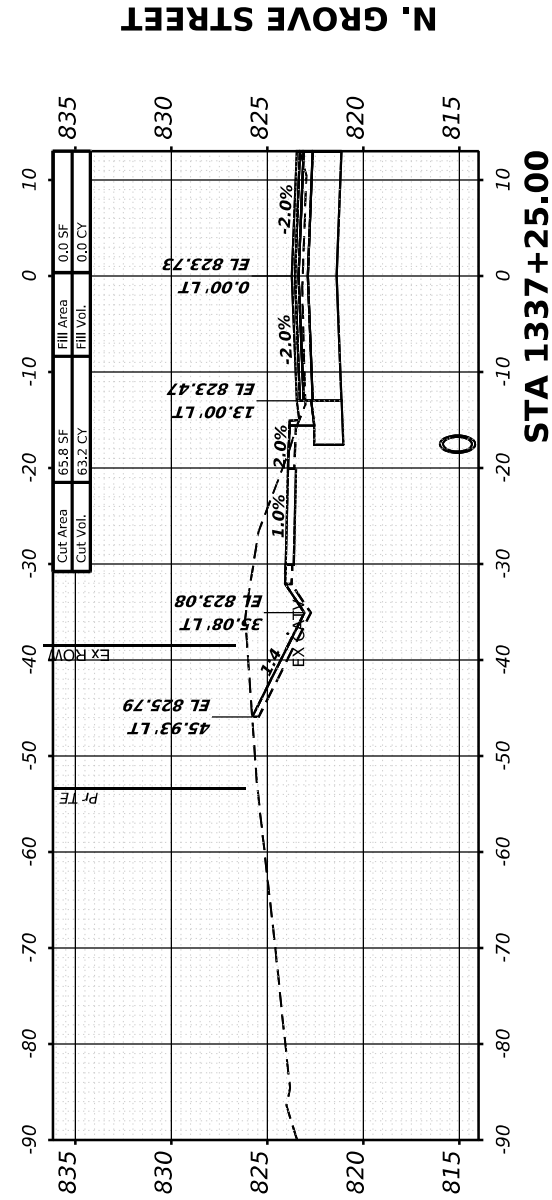
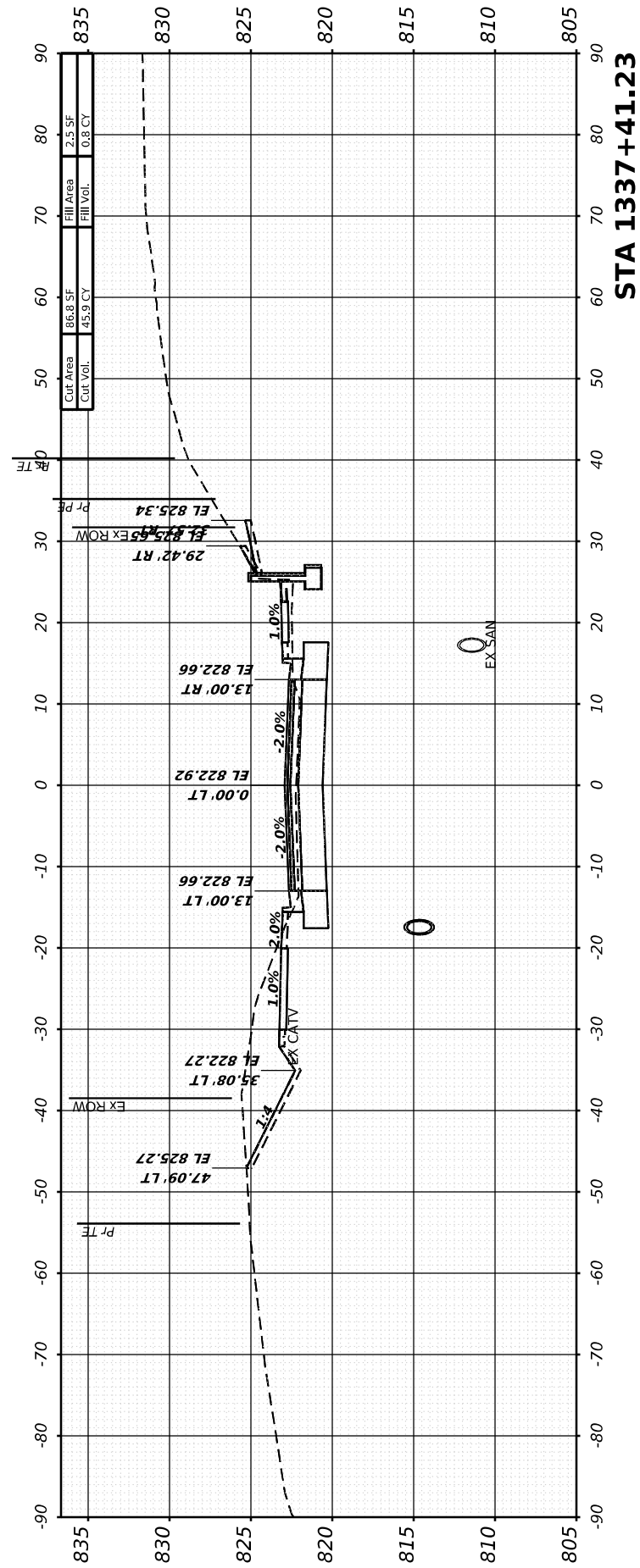
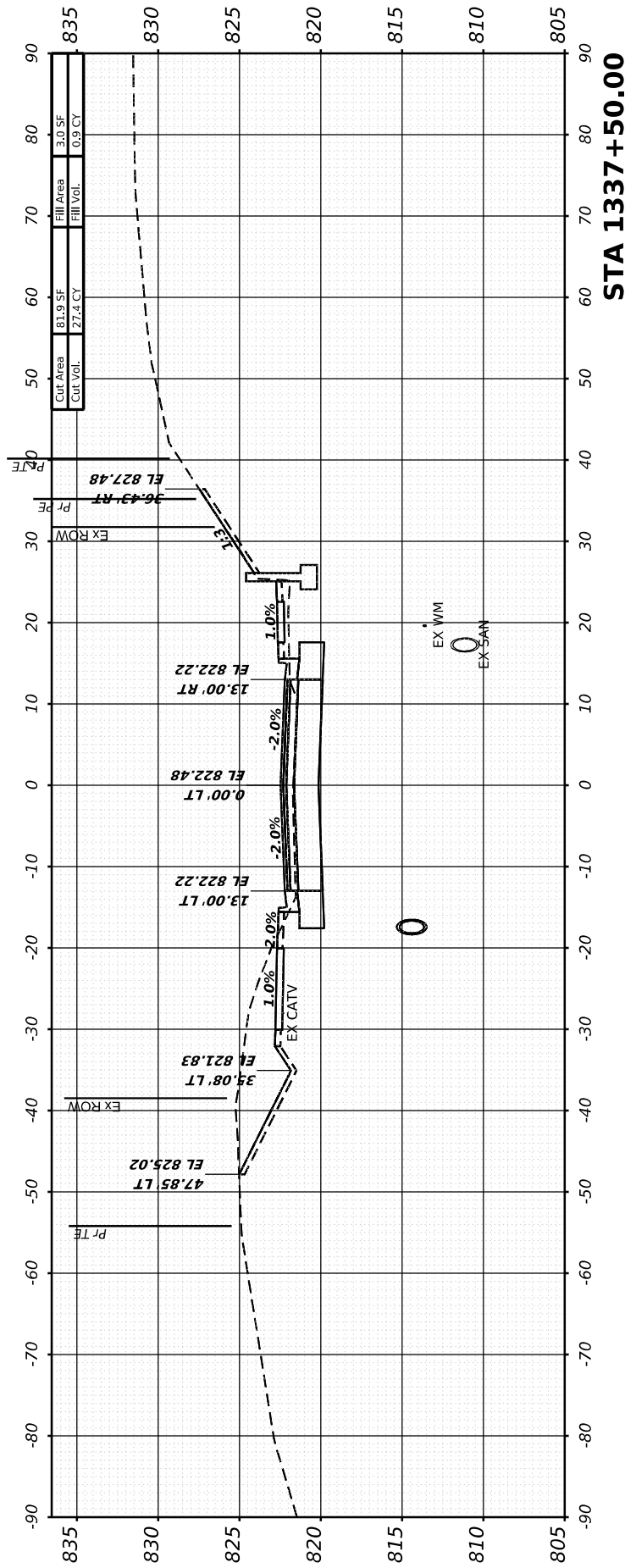
REVISED -	
REVISED -	
REVISED -	
REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 IL ROUTE 81**

SCALE: 1" = 20' SHEET 33 OF 40 SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	384
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				







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

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

MODEL: I181 - 1340+50.00-1 (Sheet)  
 FILE NAME: W:\2000\032\00\InfoStation\CAD\_Sheets\Cross-Sections\02\_64L94-SPR-I181\_xssht12.dgn



USER NAME	= Marc.A.Personette
DESIGNED	- PATRICK PAUSER
DRAWN	- PATRICK PAUSER
CHECKED	- BRAD LANGE
DATE	- 3/28/2026
PLOT SCALE	= 0.08333317 1/ in.
PLOT DATE	= 3/28/2026

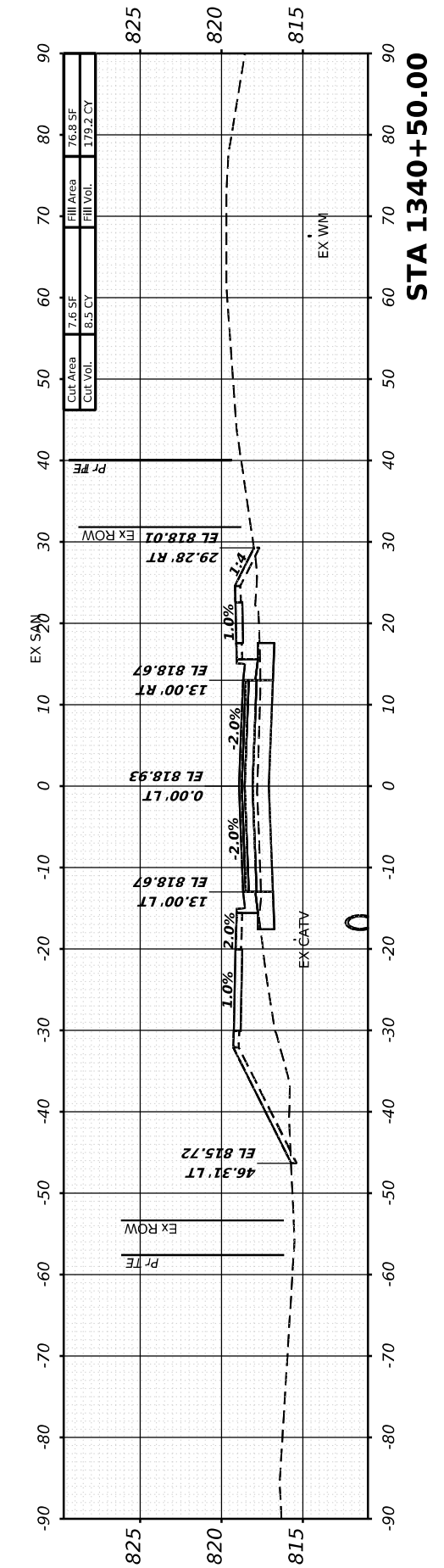
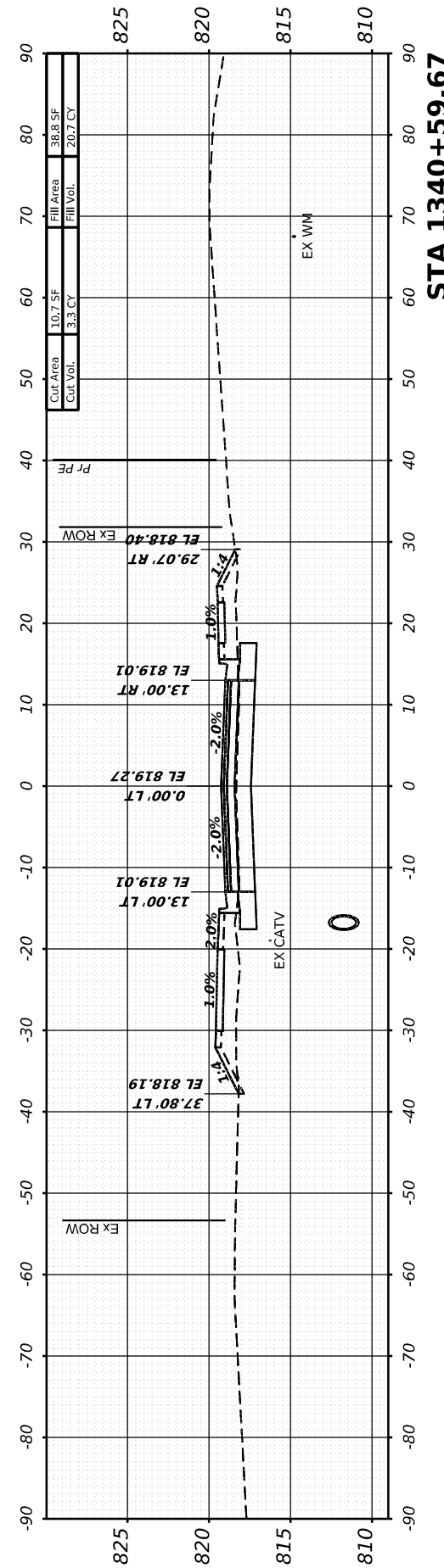
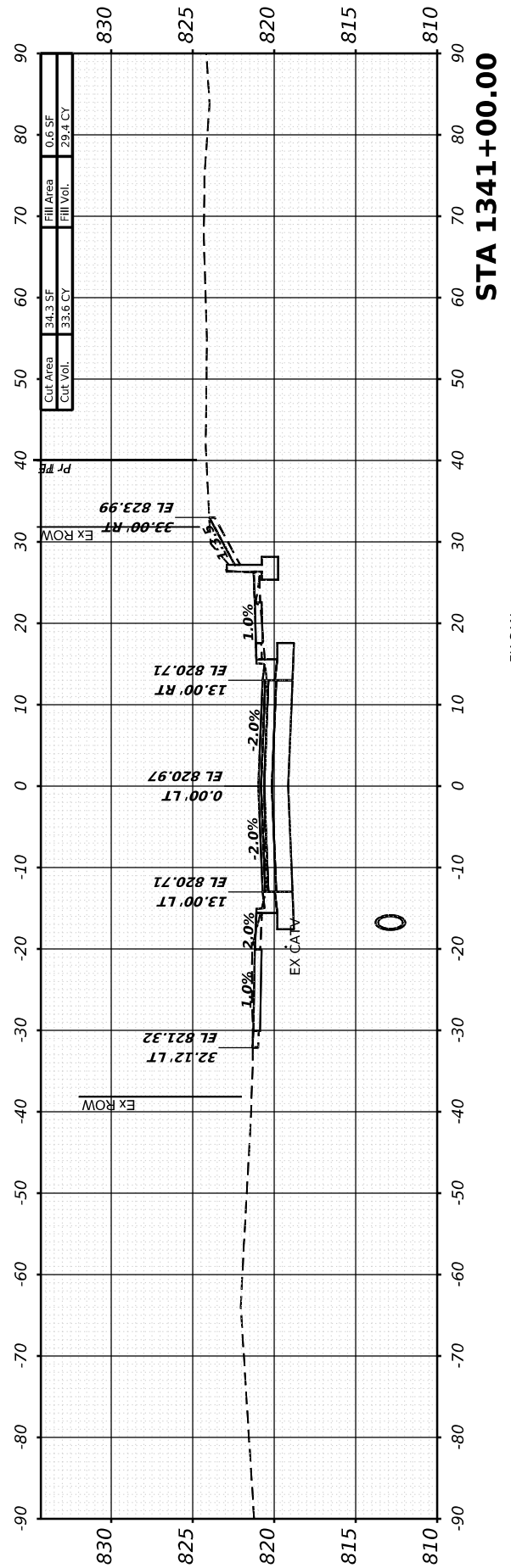
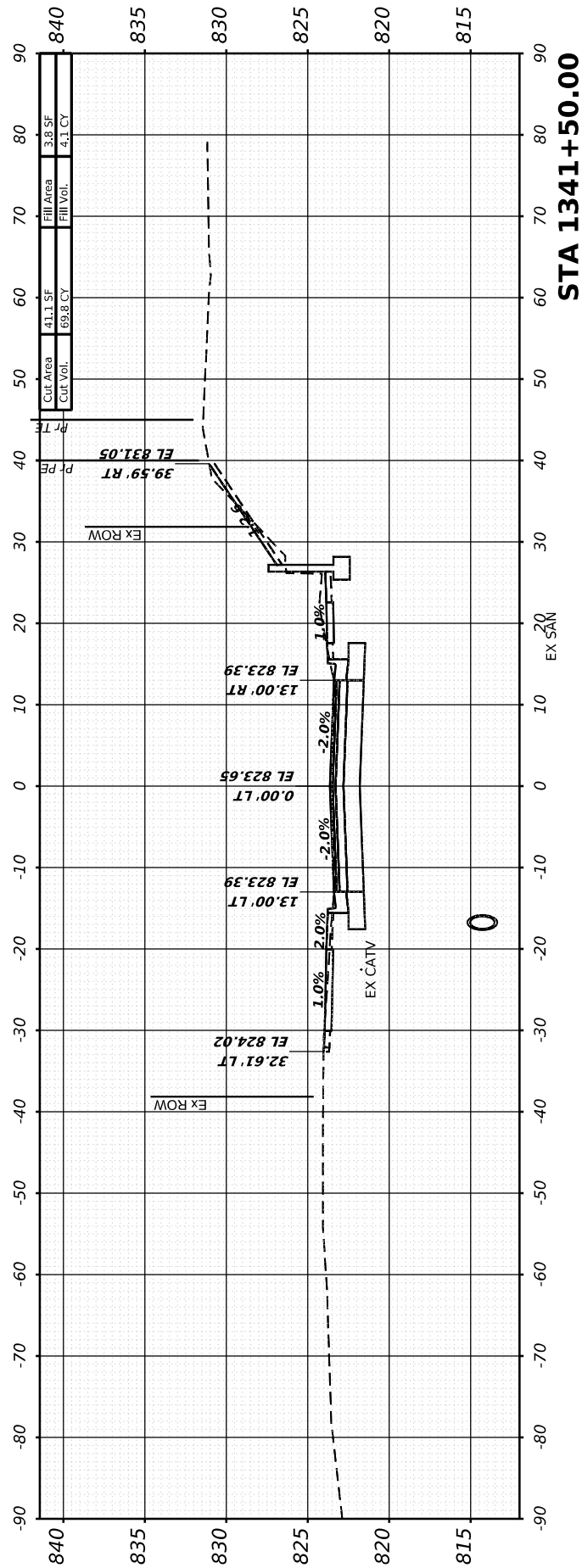
REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 IL ROUTE 81**

SCALE: 1" = 20' SHEET 36 OF 40 SHEETS STA.

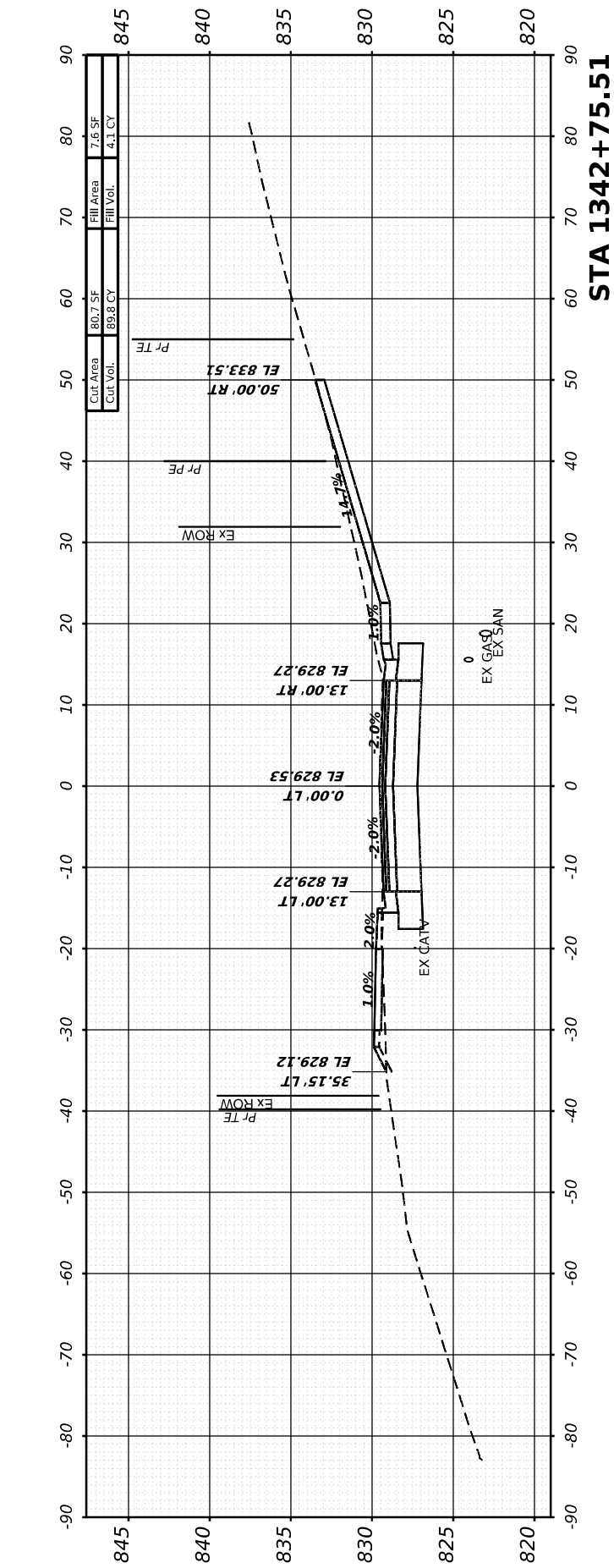
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	387
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				



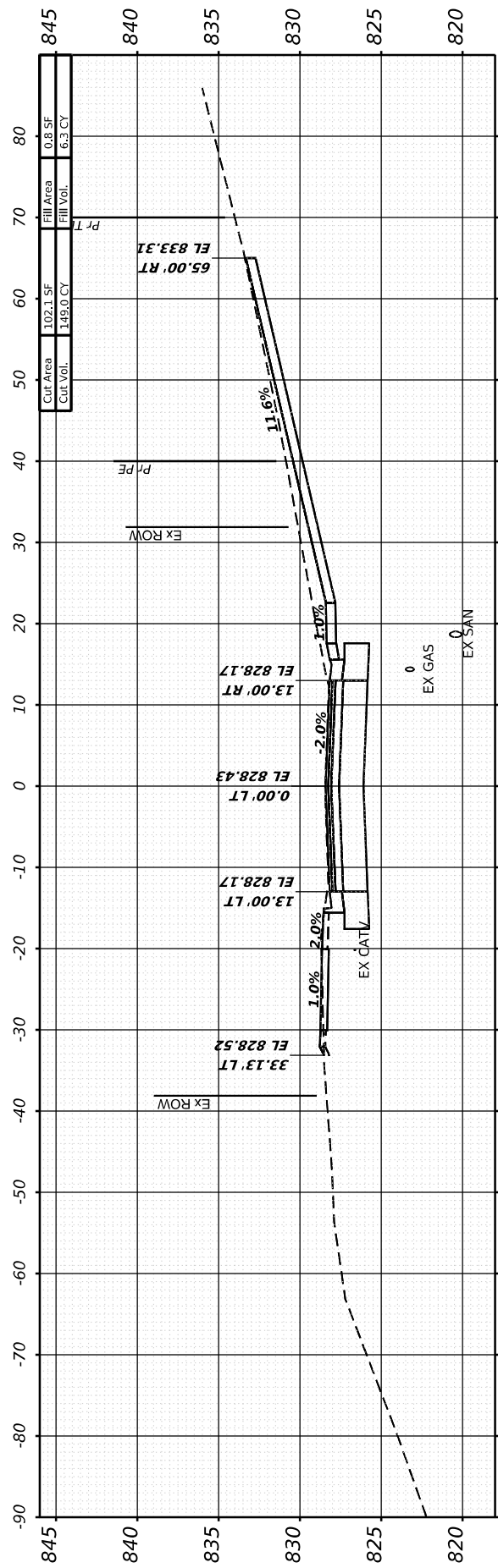
FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
NO.	AREAS CHECKED		

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

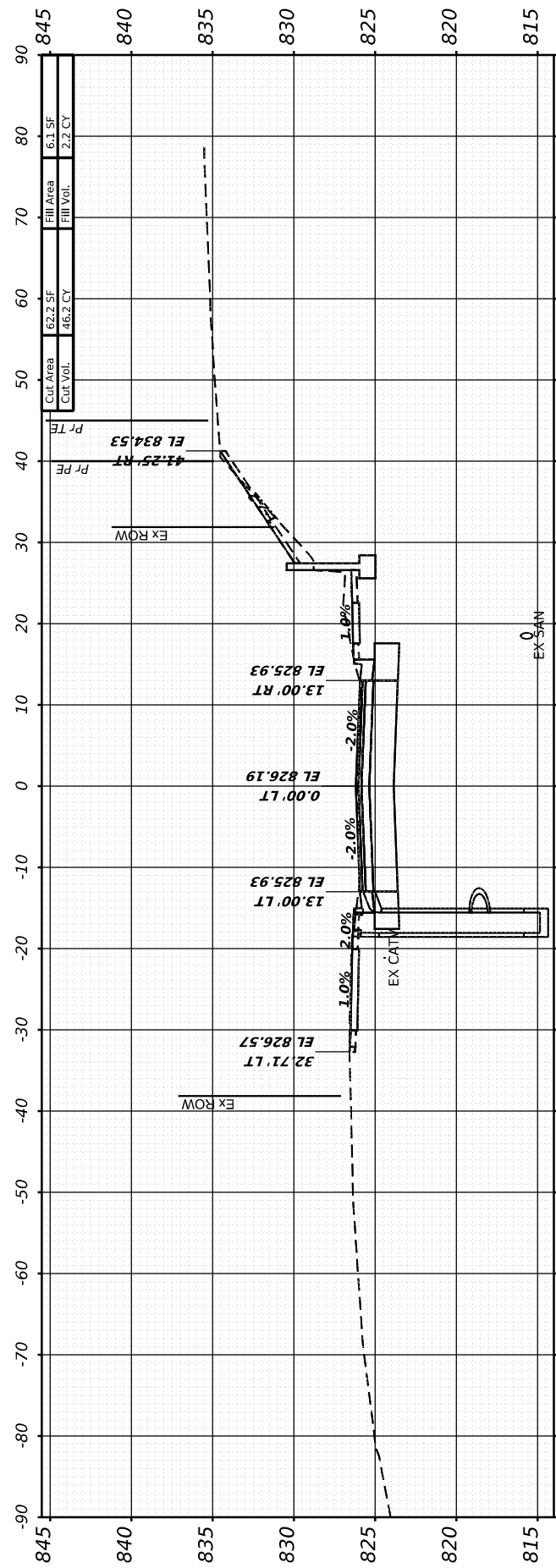
MODEL: I181 - 1341+81.60 [Sheet]  
 FILE NAME: W:\2000\02\20\microStation\CAD\_Sheets\Cross-Sections\02\_64L94-SPR-I181\_xssht21.dgn



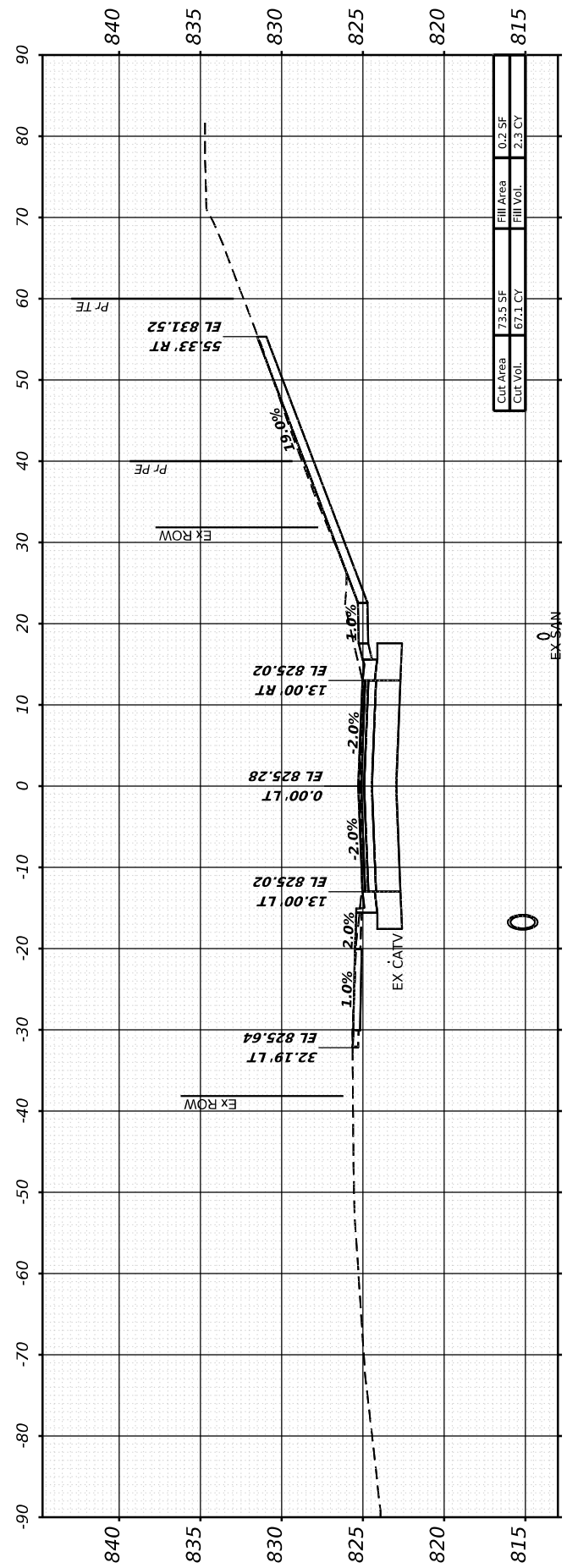
STA 1342+75.51



STA 1342+48.98



STA 1342+00.00



STA 1341+81.60



USER NAME	= Marc.A.Personette
DESIGNED	- PATRICK PAUSER
DRAWN	- PATRICK PAUSER
PLOT SCALE	= 0.08333317 ' / in.
PLOT DATE	= 3/28/2026

CHECKED	- BRAD LANGE
DATE	- 3/28/2026

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 IL ROUTE 81

SCALE: 1" = 20' SHEET 37 OF 40 SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	388
CONTRACT NO. 64L94				

ILLINOIS FED. AID PROJECT

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

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

MODEL: I181 - 1343+00.00\_1 (Sheet)  
 FILE NAME: W:\2000\02\200\InfoStation\CAD\_Sheets\Cross-Sections\02\_64L94-SPR-I181\_xssht21.dgn



USER NAME	= Marc.A.Personette
DESIGNED	- PATRICK PAUSER
DRAWN	- PATRICK PAUSER
PLOT SCALE	= 0.08333317 1/ in.
PLOT DATE	= 3/28/2026

CHECKED	- BRAD LANGE
DATE	- 3/28/2026

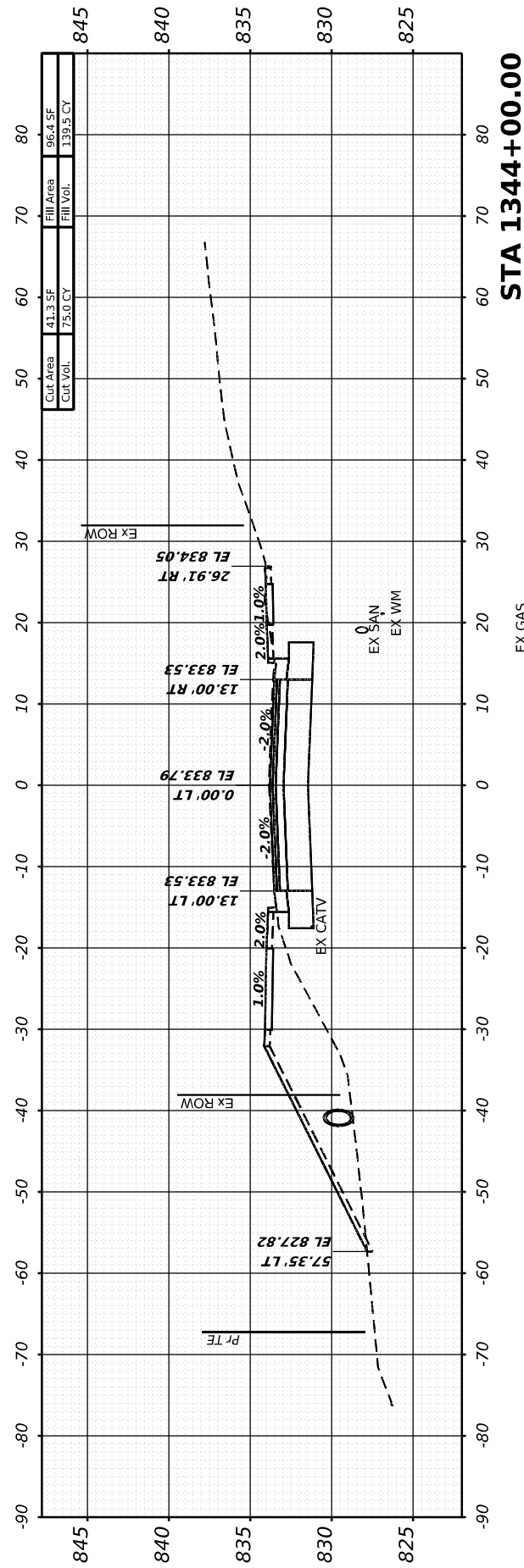
REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

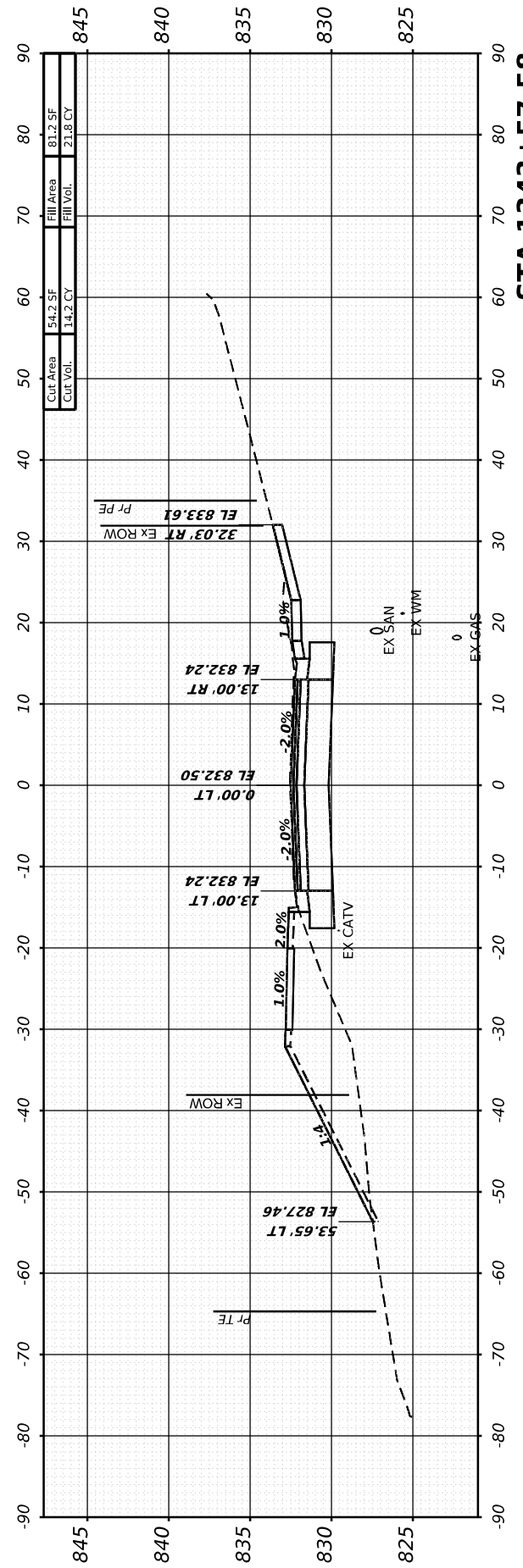
**CROSS SECTIONS  
IL ROUTE 81**

SCALE: 1" = 20' SHEET 38 OF 40 SHEETS STA.

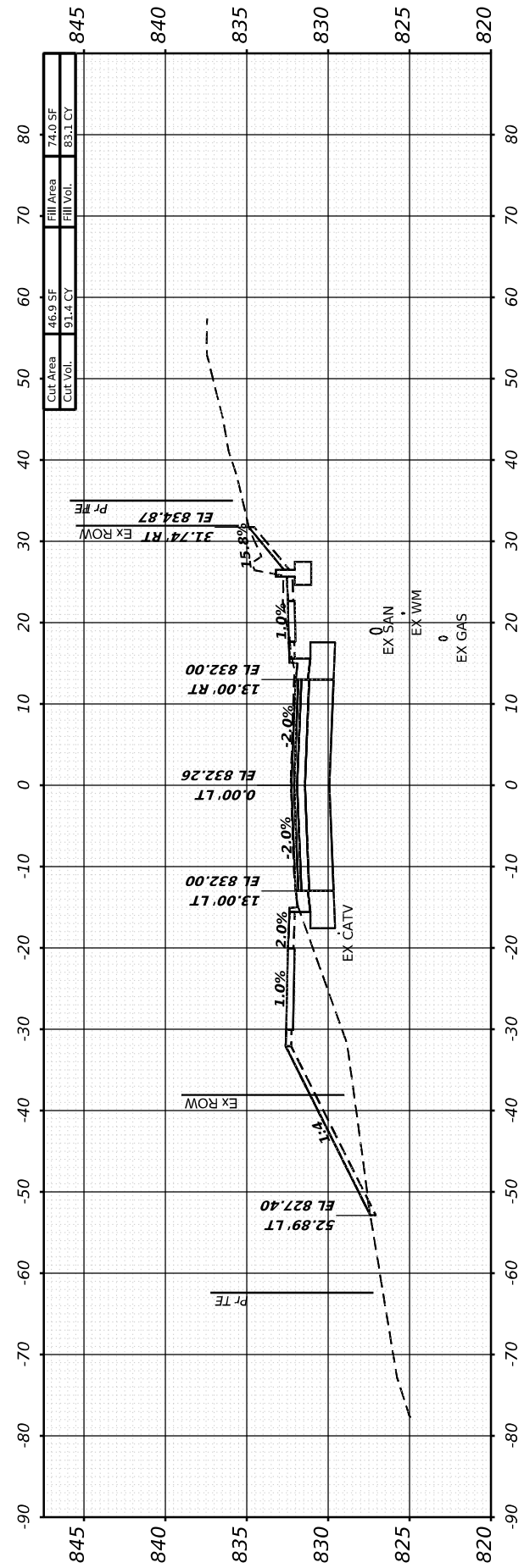
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	389
				CONTRACT NO. 64L94
ILLINOIS FED. AID PROJECT				



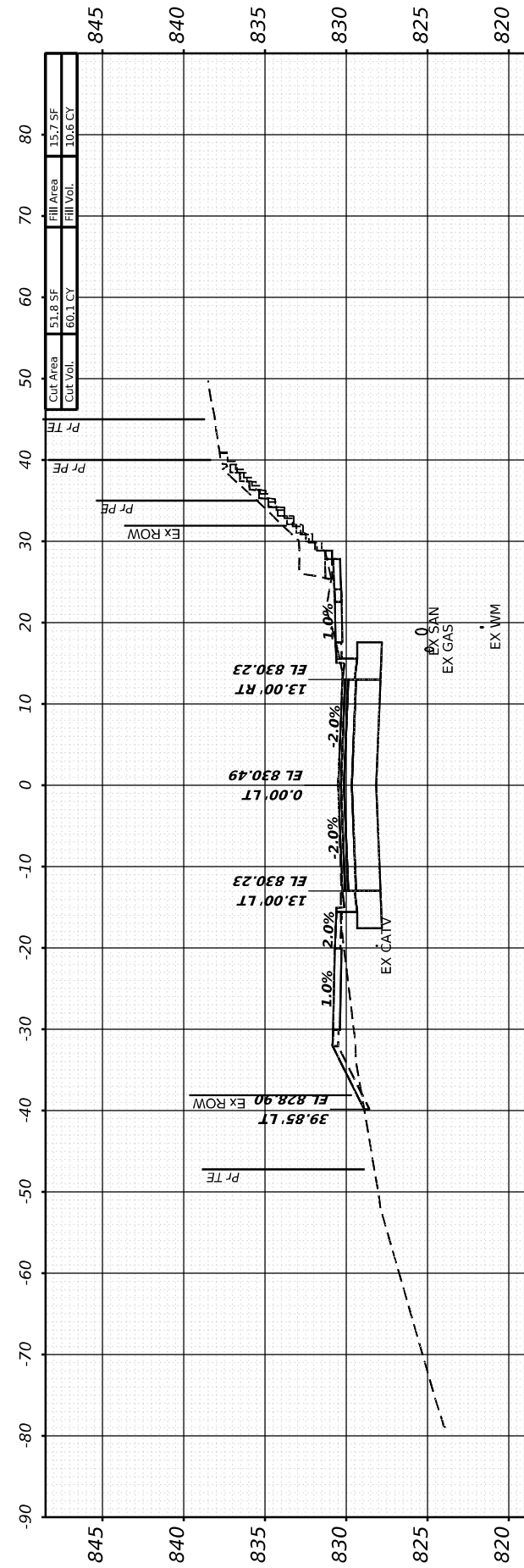
**STA 1344+00.00**



**STA 1343+57.58**



**STA 1343+50.00**

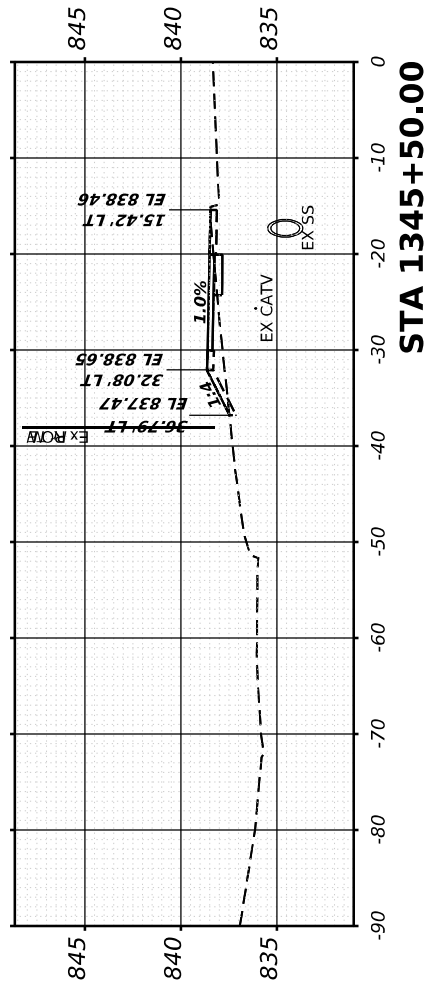


**STA 1343+00.00**

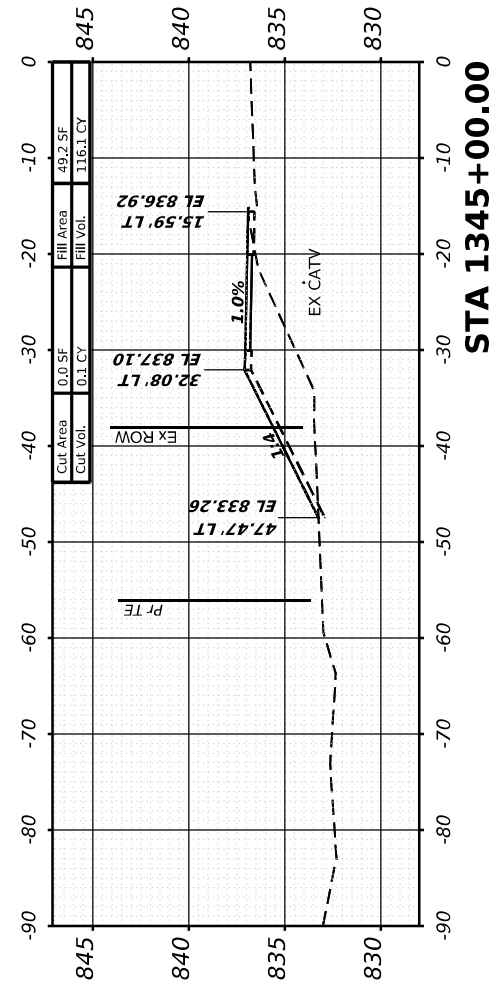
FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	AREAS CHECKED		
	AREAS CHECKED		

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

MODEL: I:\81 - 1344+18.52.1 (Sheet)  
 FILE NAME: W:\2000\1032\00\InfoStation\CAD\_Sheets\Cross-Sections\02\_64L94-SPR-181\_xssht22.dgn

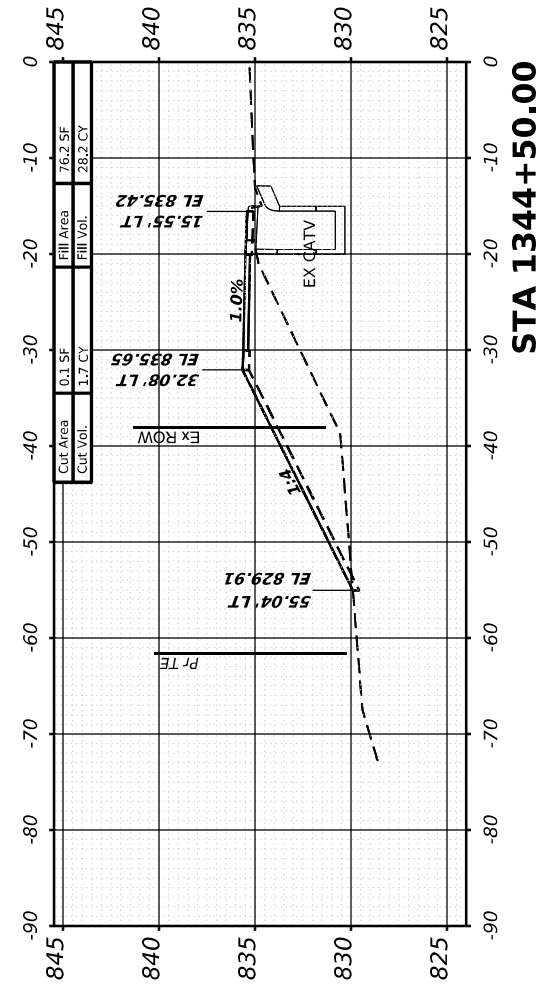


Cut Area	0.6 SF	Fill Area	5.95F
Cut Vol.	0.5 CY	Fill Vol.	51.0 CY



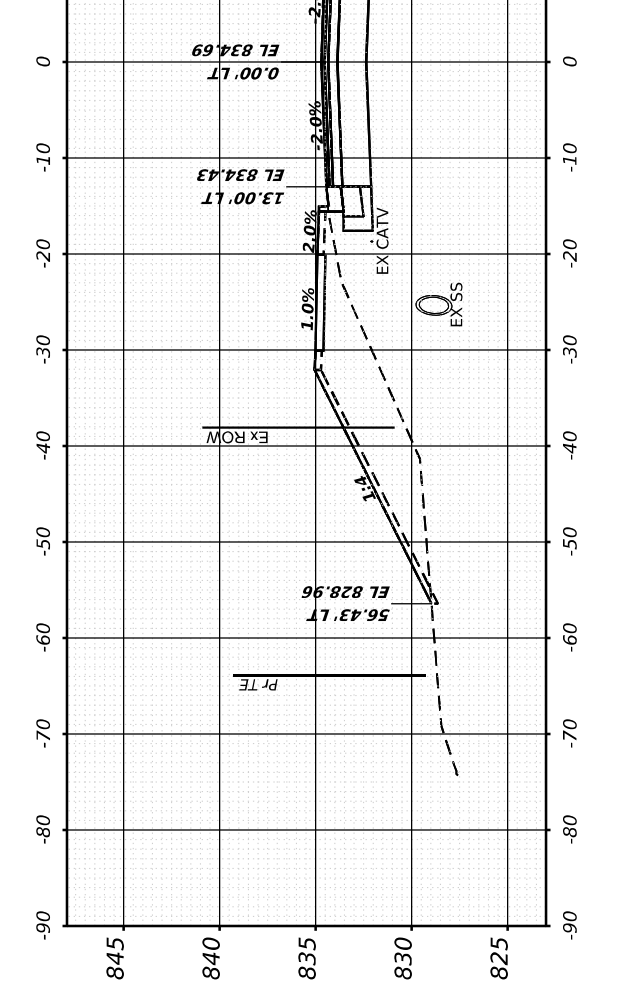
STA 1345+50.00

Cut Area	0.0 SF	Fill Area	49.2 SF
Cut Vol.	0.1 CY	Fill Vol.	116.1 CY



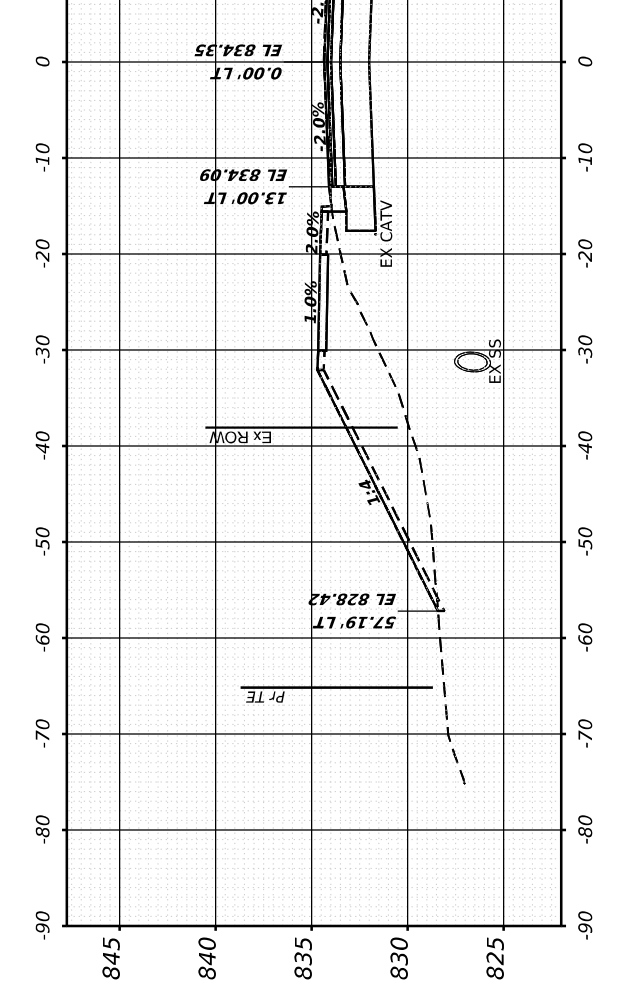
STA 1345+00.00

Cut Area	0.1 SF	Fill Area	76.2 SF
Cut Vol.	1.7 CY	Fill Vol.	28.2 CY



STA 1344+50.00

Cut Area	4.4 SF	Fill Area	0.0 SF
Cut Vol.	10.2 CY	Fill Vol.	18.0 CY



STA 1344+30.00

Cut Area	43.4 SF	Fill Area	84.8 SF
Cut Vol.	29.1 CY	Fill Vol.	62.1 CY



USER NAME	= Marc.A.Personette
PLOT SCALE	= 0.08333317 1/1 in.
PLOT DATE	= 3/28/2026

DESIGNED	- PATRICK PAUSER
DRAWN	- PATRICK PAUSER
CHECKED	- BRAD LANGE
DATE	- 3/28/2026

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS			
IL ROUTE 81			
SCALE:	1" = 20'	SHEET 39	OF 40 SHEETS
		STA.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	390
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

MODEL: IL81 - 1345+89.00-1 [Sheet]  
 FILE NAME: W:\2000\032\00\InfoStation\CAD\_Sheets\Cross-Sections\02\_64L94-SPR-IL81\_xssht2.dgn



USER NAME =	Marc.A.Personette
PLOT SCALE =	0.083333317 1/1 in.
PLOT DATE =	3/28/2026

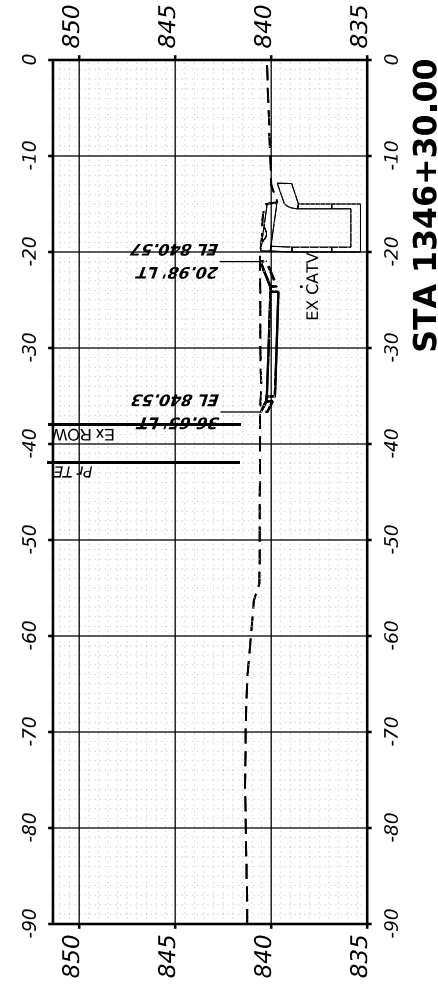
DESIGNED -	PATRICK PAUSER	REVISED -	
DRAWN -	PATRICK PAUSER	REVISED -	
CHECKED -	BRAD LANGE	REVISED -	
DATE -	3/28/2026	REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

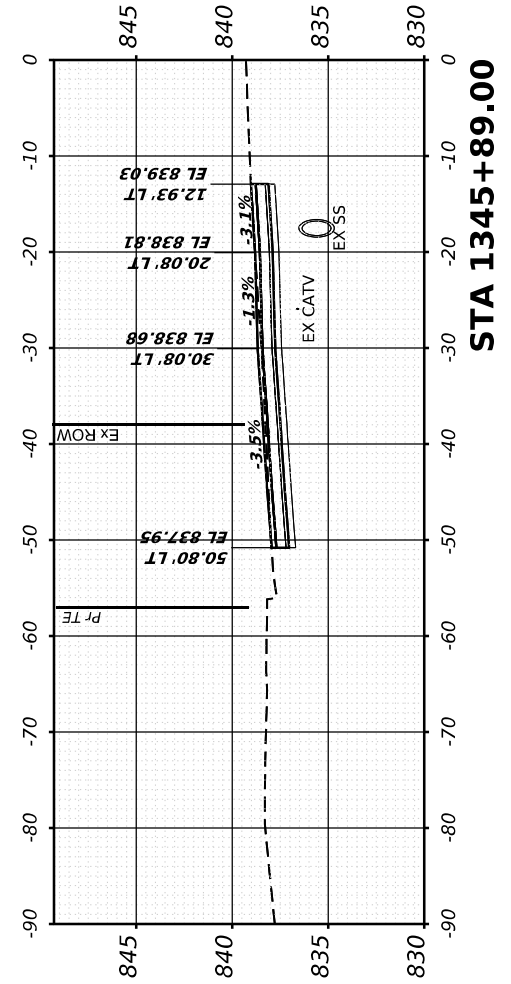
**CROSS SECTIONS  
 IL ROUTE 81**

SCALE: 1" = 20'    SHEET 40 OF 40 SHEETS    STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	391
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				



Cut Area	6.9 SF	Fill Area	0.0 SF
Cut Vol.	29.2 CY	Fill Vol.	0.0 CY



Cut Area	31.5 SF	Fill Area	0.0 SF
Cut Vol.	23.2 CY	Fill Vol.	4.3 CY

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

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

MODEL: UNION - 5600+50.00 (Sheet)  
 FILE NAME: W:\2000\02\20\microStation\CAD\_Sheets\Cross-Sections\02\_64L94-SF-Siberias-Union.dgn



USER NAME	= Marc.A.Personette
PLOT SCALE	= 0.08333317 1/ in.
PLOT DATE	= 3/28/2026

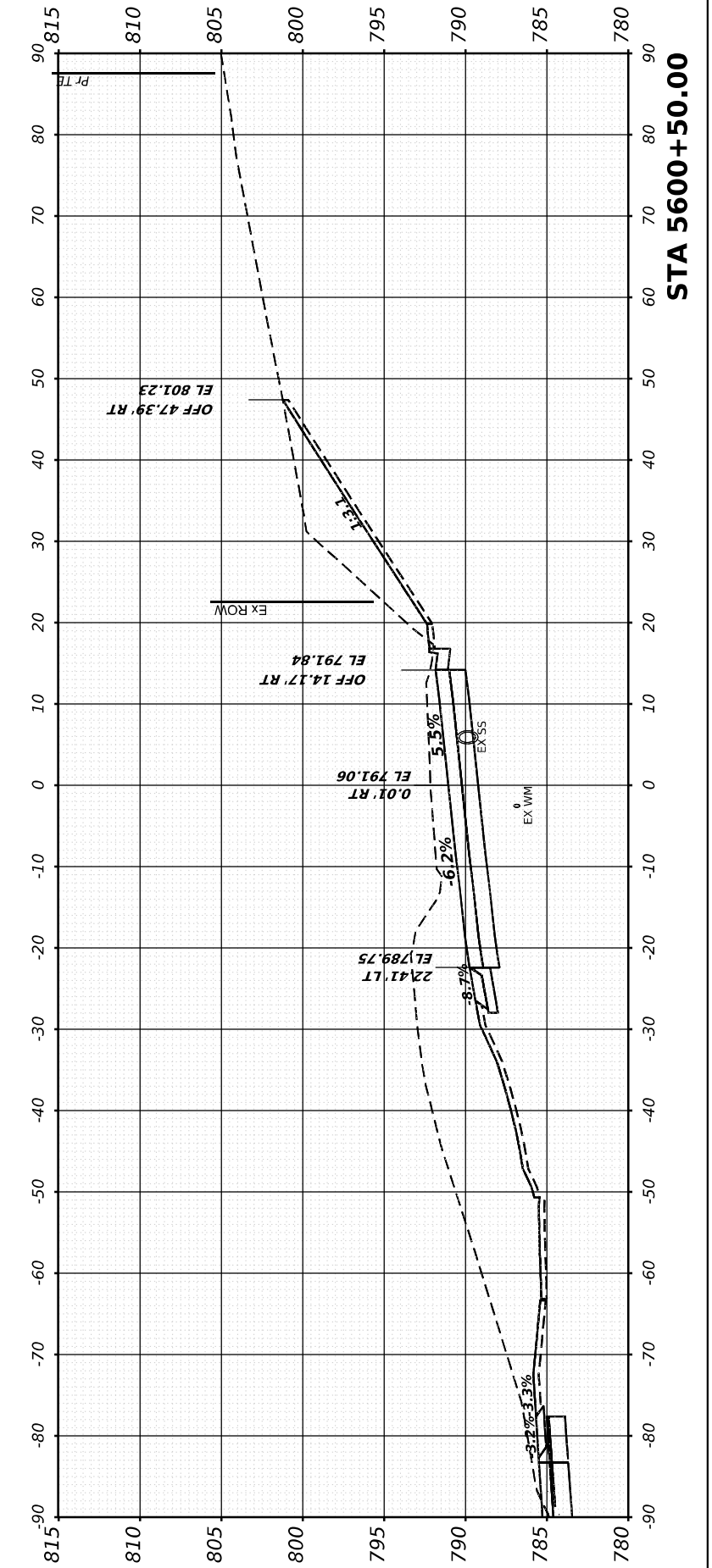
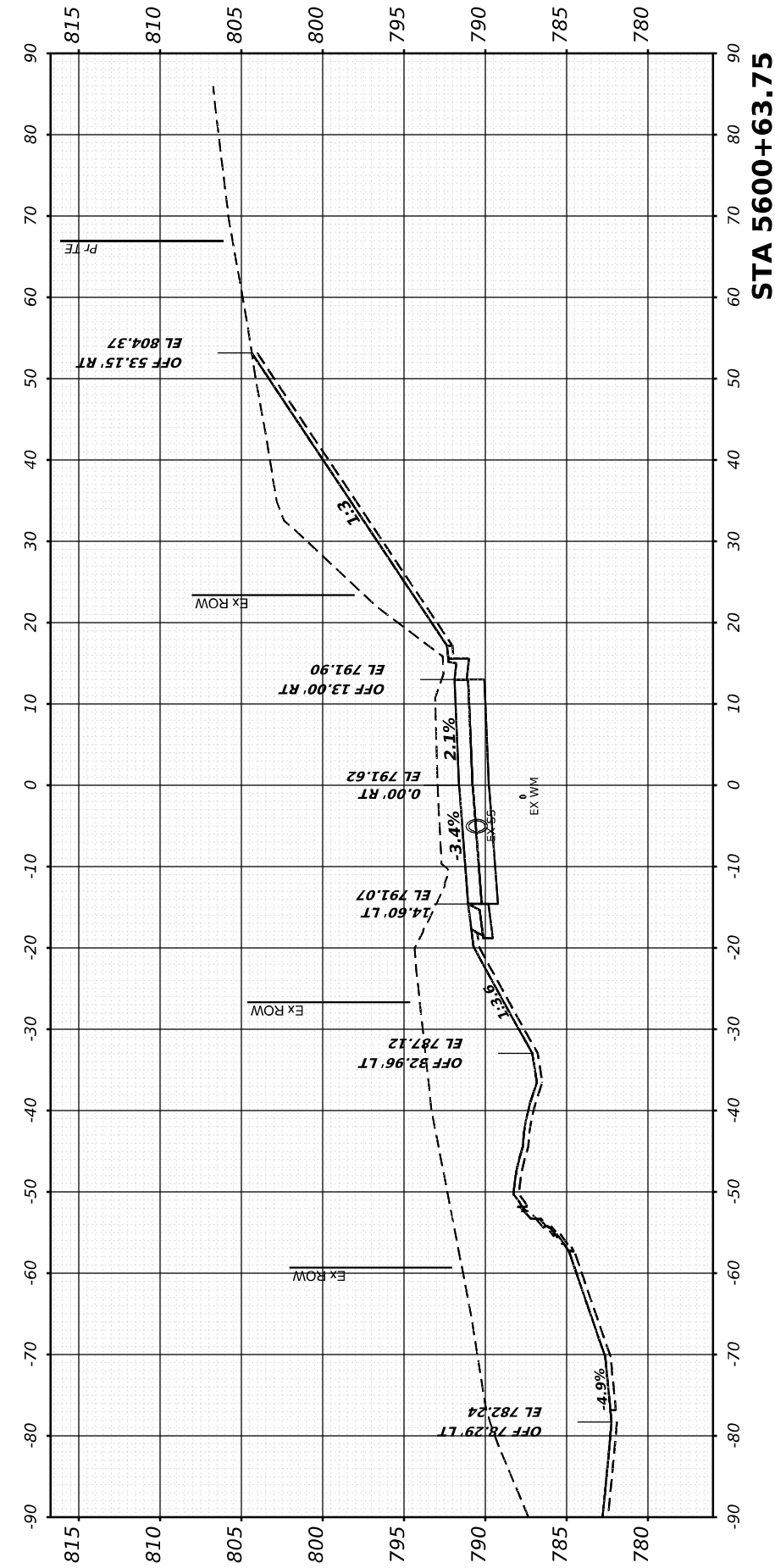
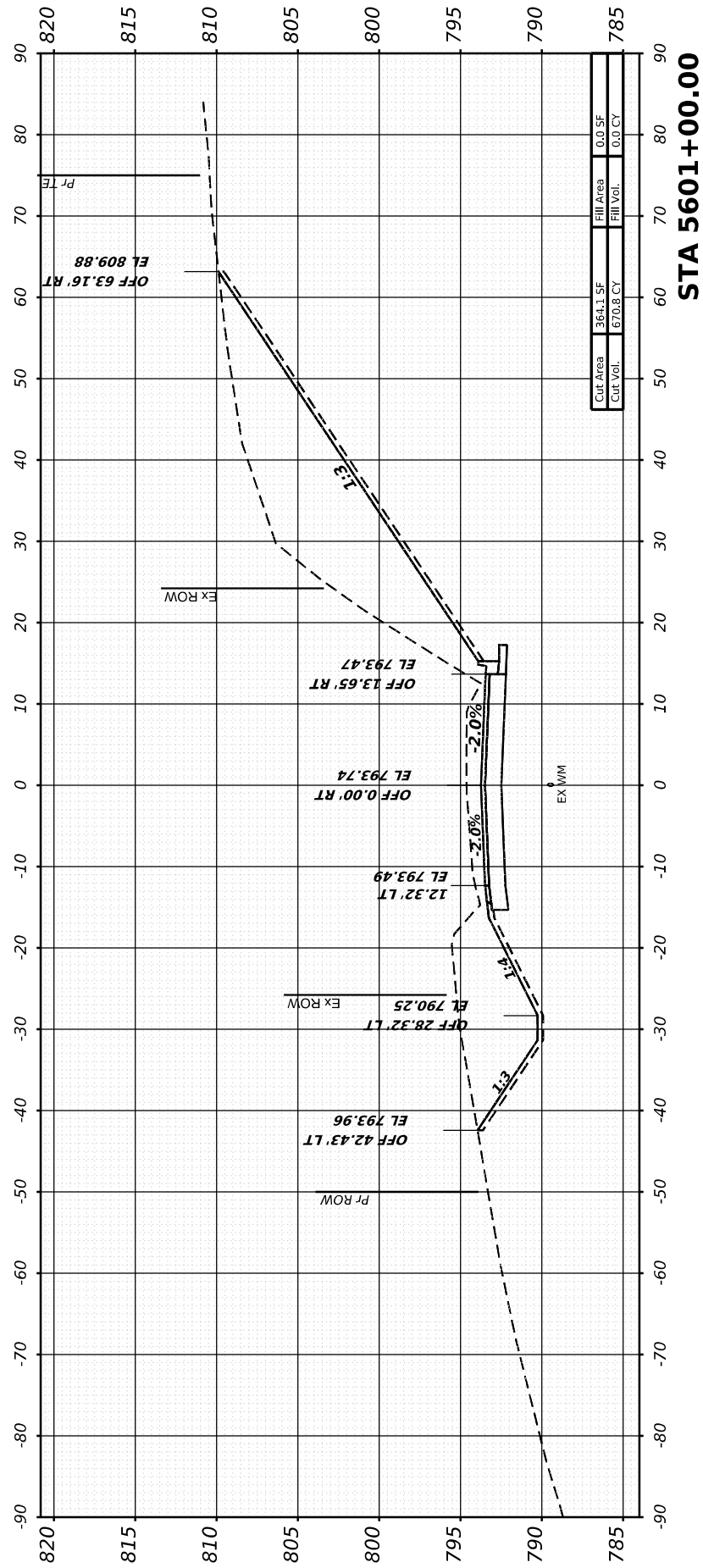
DESIGNED	- PATRICK PAUSER	REVISED	-
DRAWN	- PATRICK PAUSER	REVISED	-
CHECKED	- BRAD LANGE	REVISED	-
DATE	- 3/28/2026	REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
N. UNION ST**

SCALE: 1" = 20' SHEET 1 OF 35 SHEETS STA.

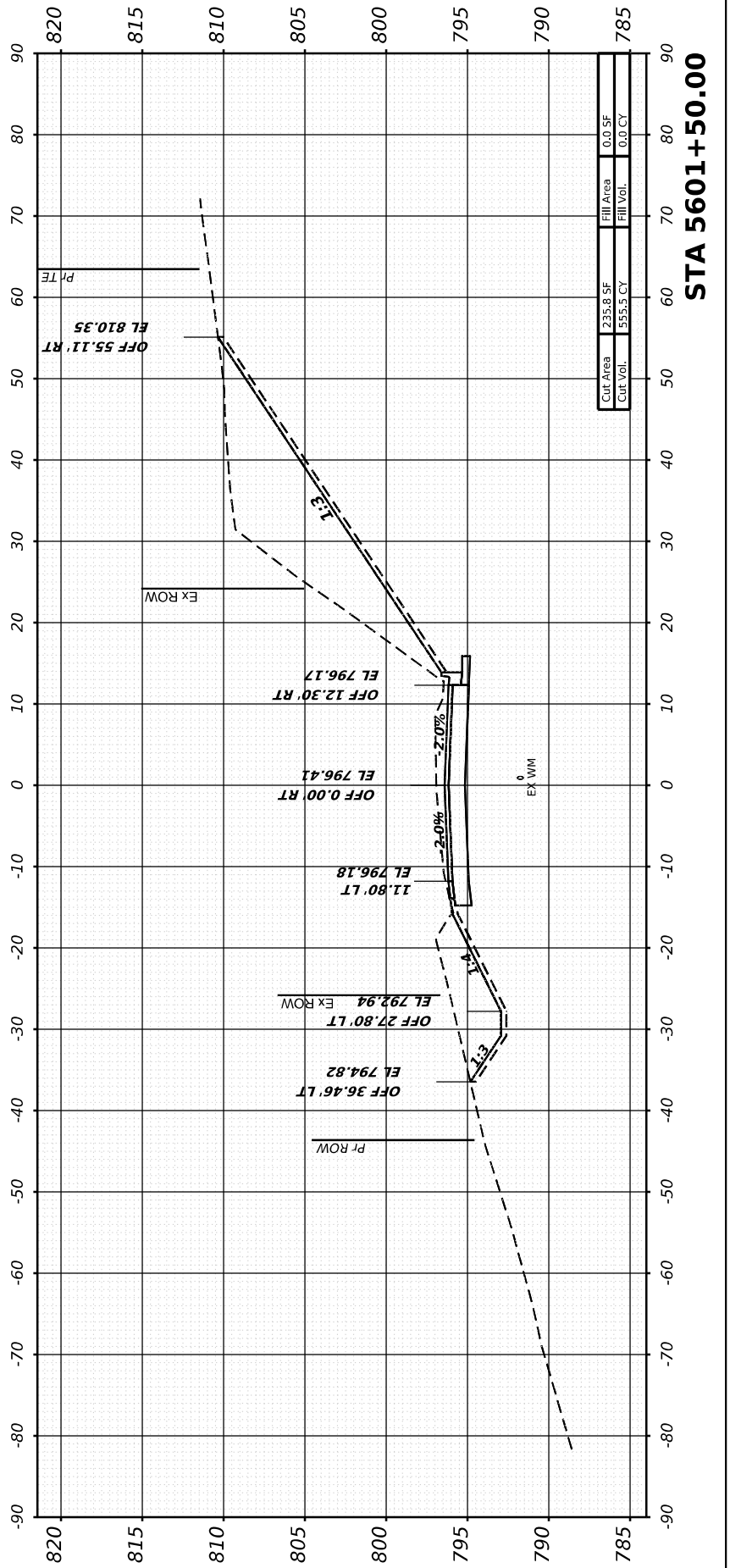
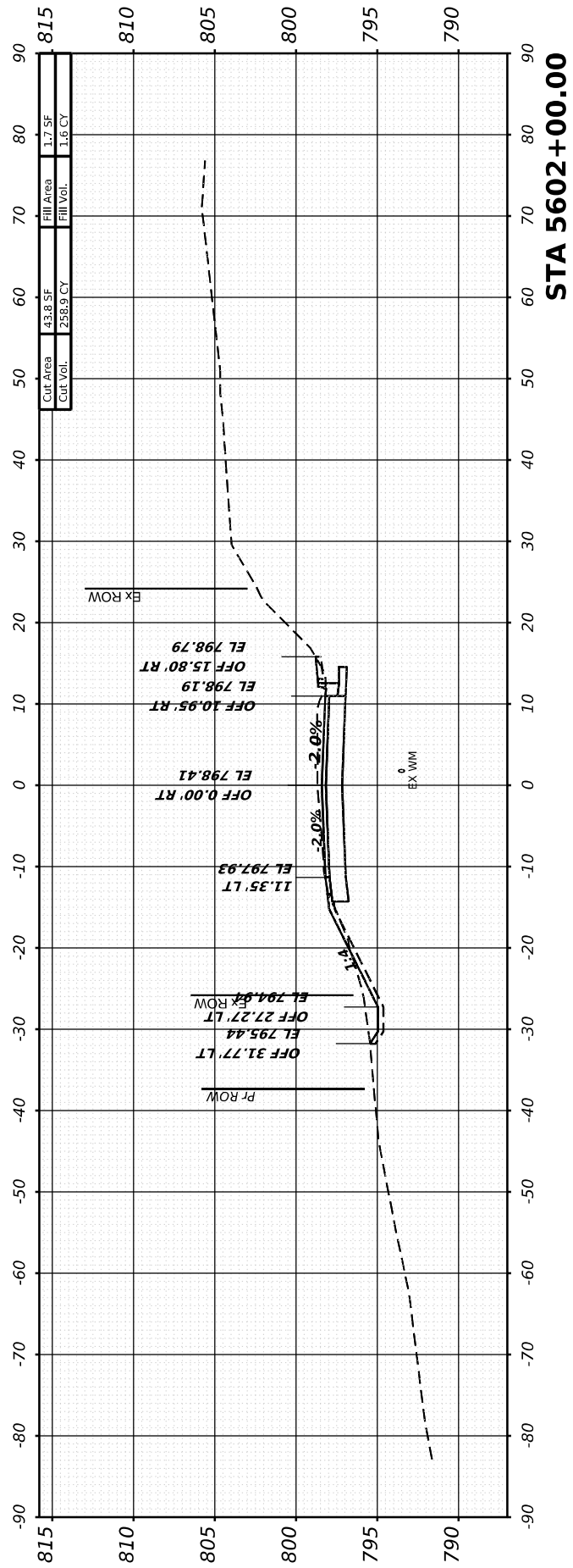
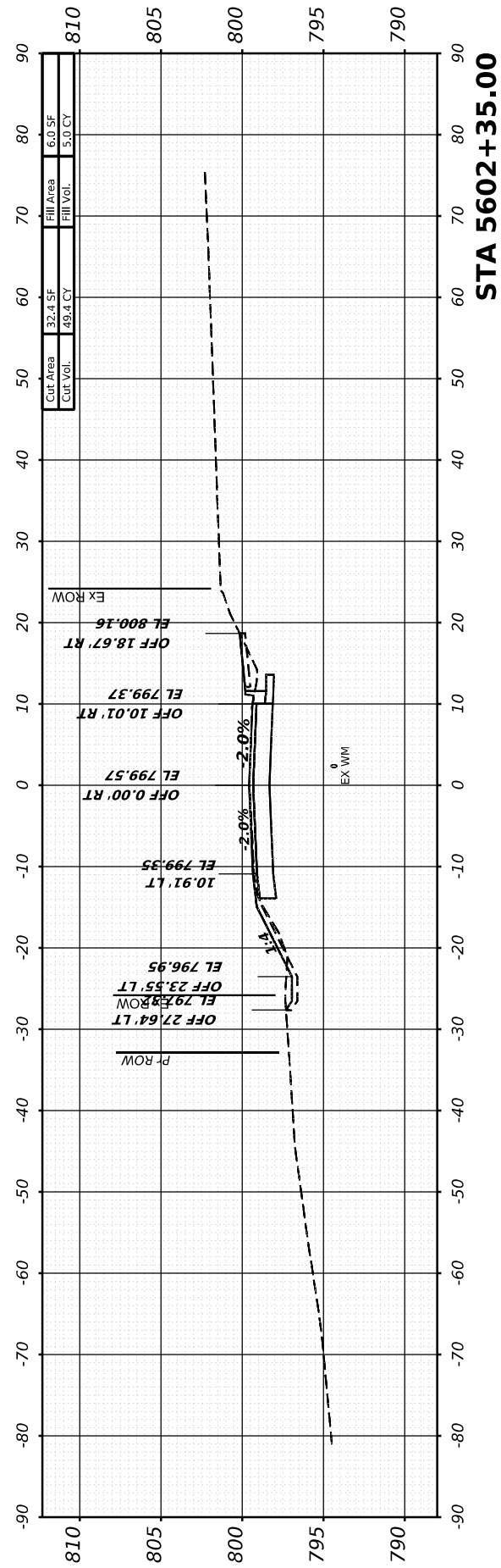
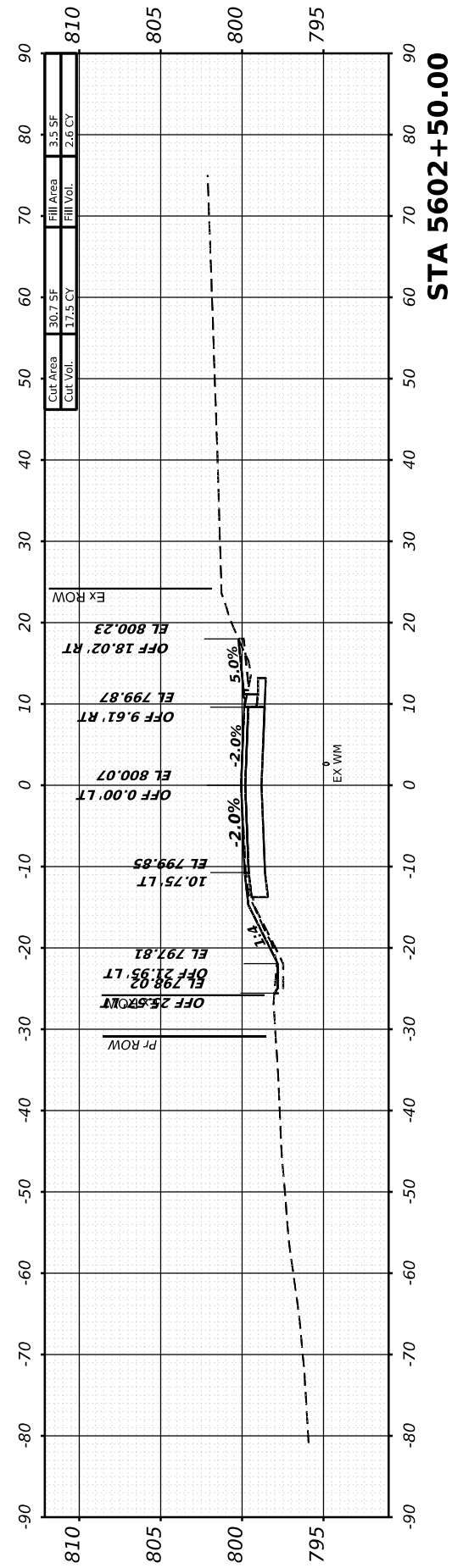
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	392
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				



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

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

MODEL: UNION - 5601+50.00 (Sheet)  
 FILE NAME: W:\2000\02\200\microStation\CAD\_Sheets\Cross-Sections\02\_64L94-SP-Sherard-Union.dgn



USER NAME	= Marc.A.Personette
DESIGNED	- PATRICK PAUSER
DRAWN	- PATRICK PAUSER
CHECKED	- BRAD LANGE
DATE	- 3/28/2026
PLOT SCALE	= 0.08333317' / in.
PLOT DATE	= 3/28/2026

DESIGNED	- PATRICK PAUSER	REVISED	-
DRAWN	- PATRICK PAUSER	REVISED	-
CHECKED	- BRAD LANGE	REVISED	-
DATE	- 3/28/2026	REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
N. UNION ST**

SCALE: 1" = 20' SHEET 2 OF 35 SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	393
				CONTRACT NO. 64L94
ILLINOIS FED. AID PROJECT				

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

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

MODEL: JACKSON - 5700+25.00 (Sheet)  
 FILE NAME: W:\2020\02\00\InfoStation\CAD\_Sheets\Cross-Sections\02\_64L94-SF-SB-area-jackson.dgn



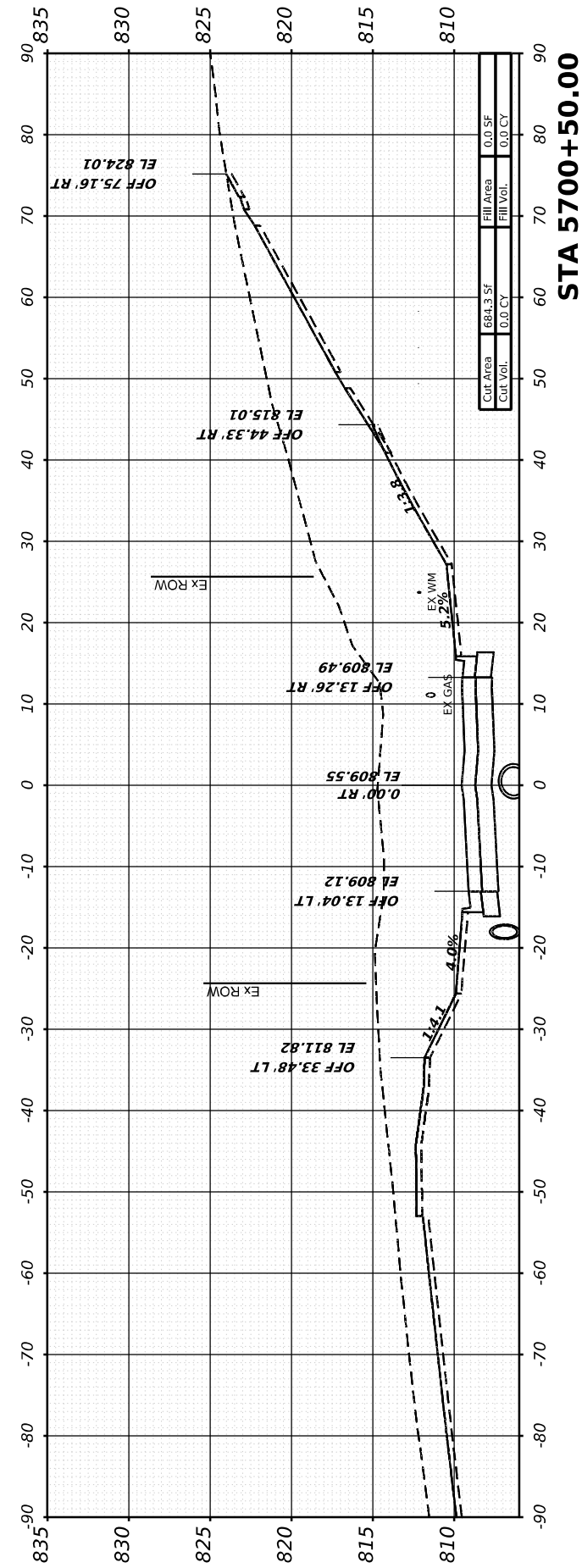
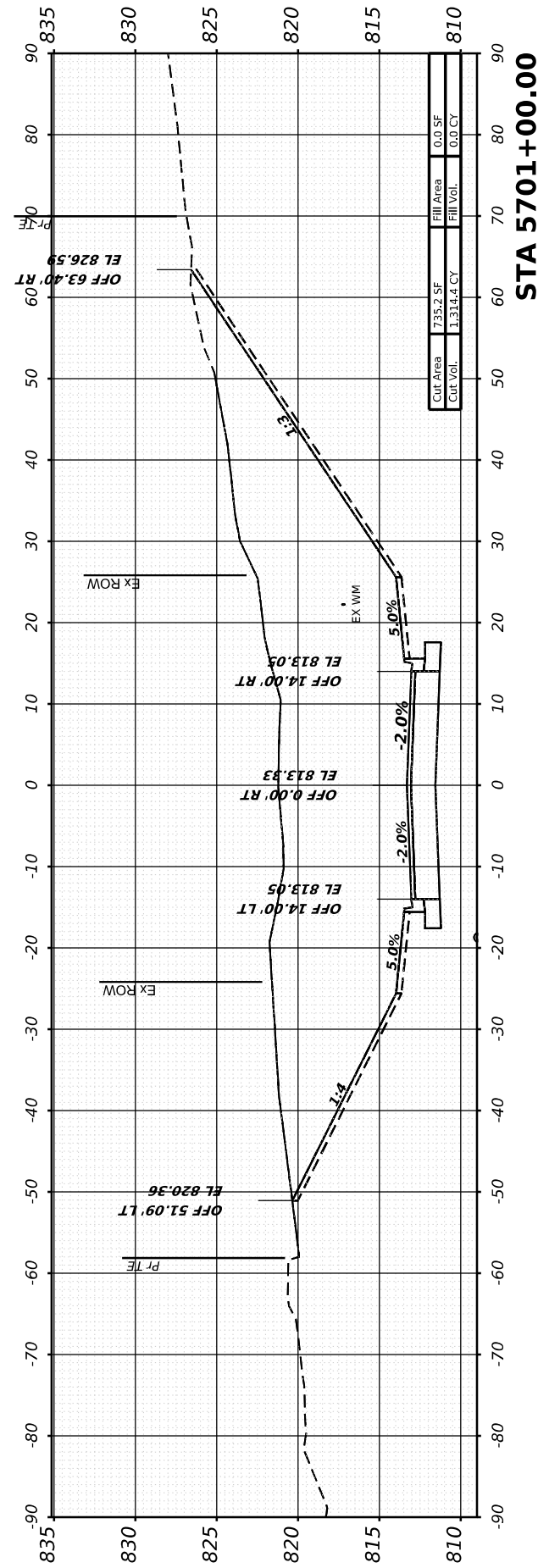
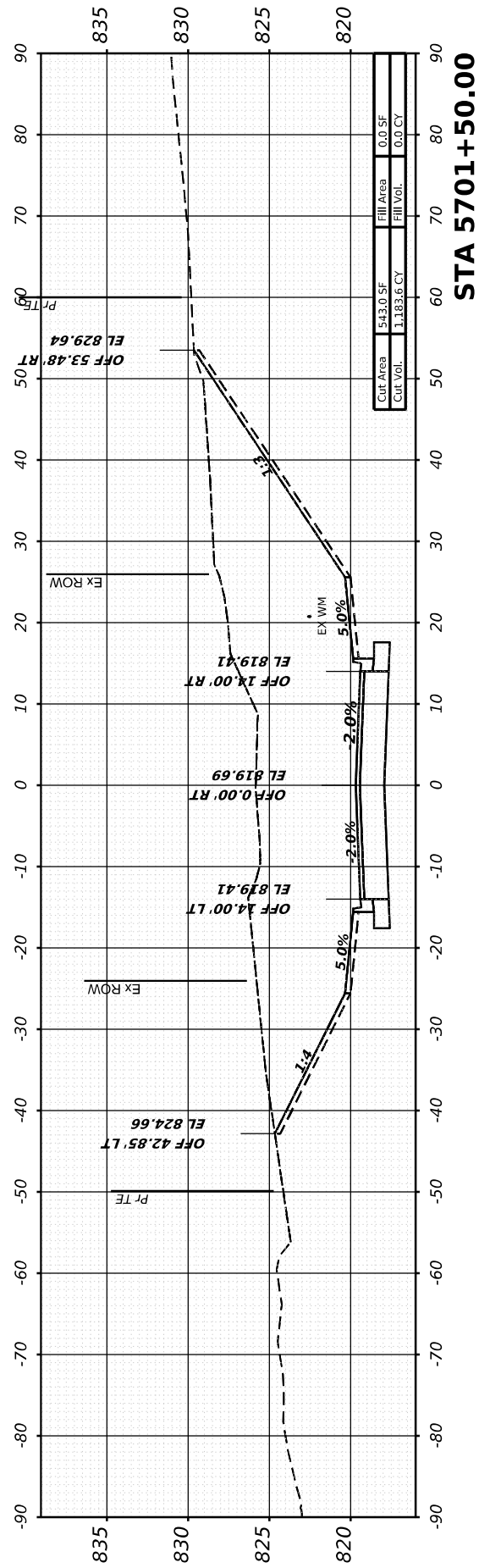
USER NAME = Marc.A.Personette	DESIGNED - PATRICK PAUSER	REVISED -
PLOT SCALE = 0.08333317 1/ in.	DRAWN - PATRICK PAUSER	REVISED -
PLOT DATE = 3/28/2026	CHECKED - BRAD LANGE	REVISED -
	DATE - 3/28/2026	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
JACKSON ST**

SCALE: 1" = 20'    SHEET 3    OF 35 SHEETS    STA.

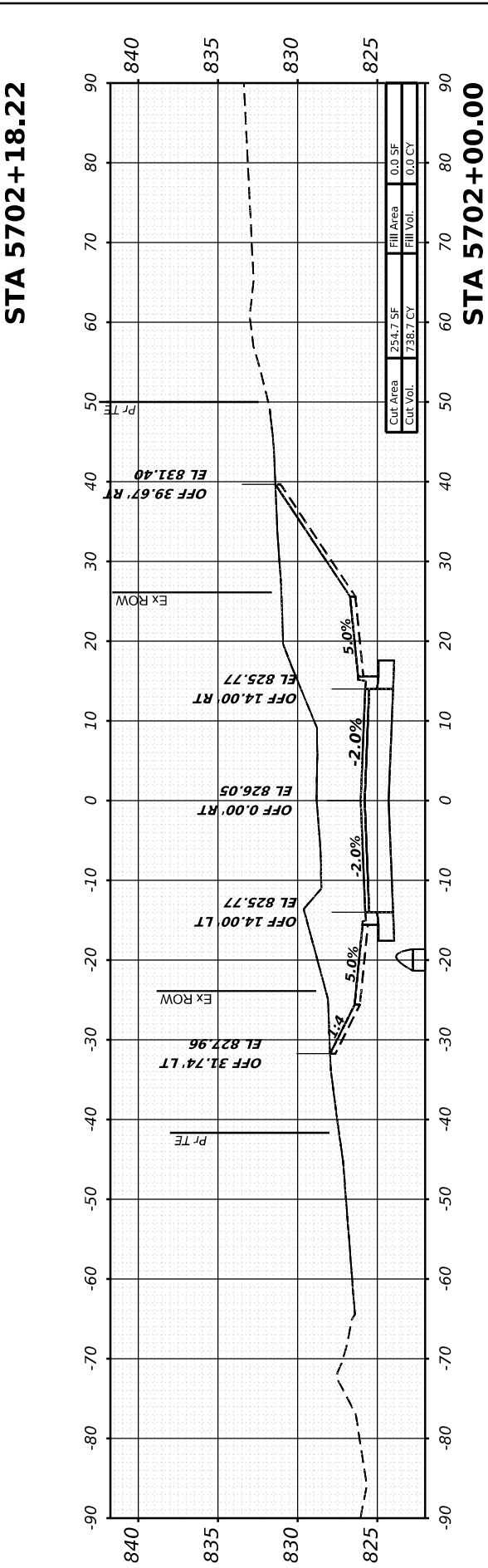
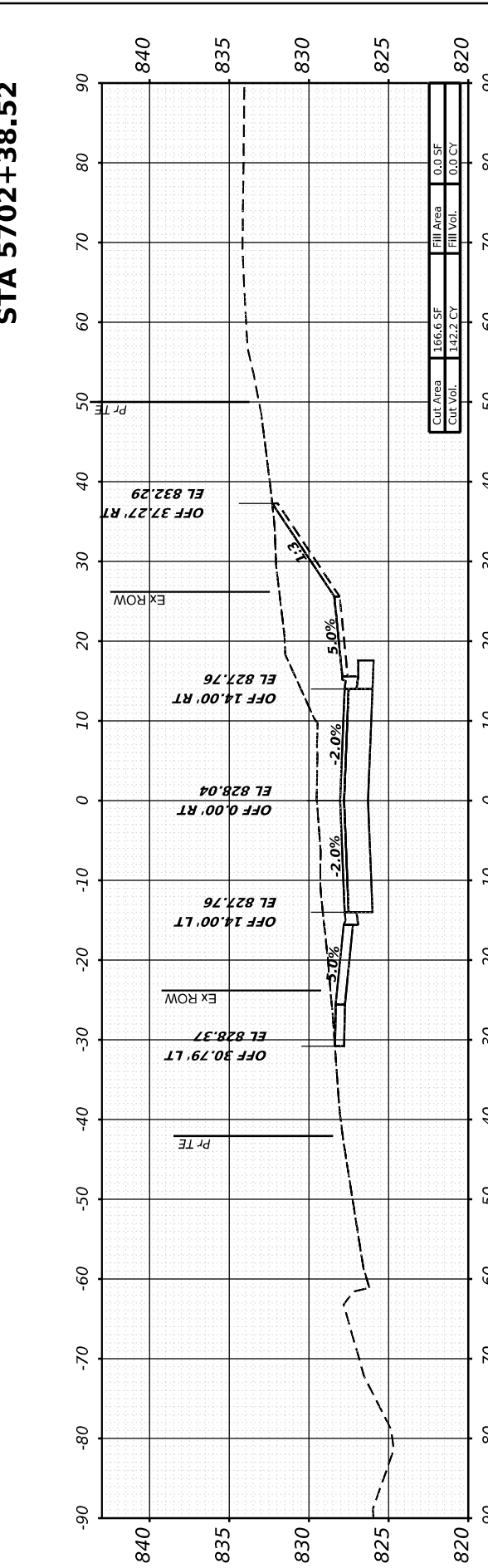
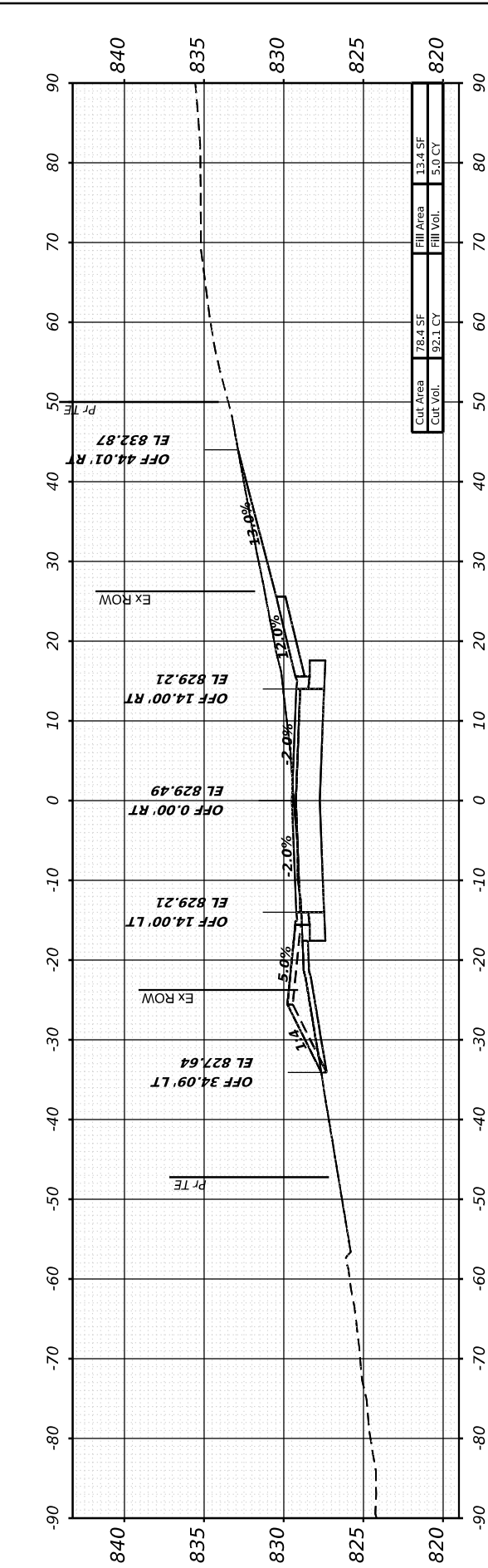
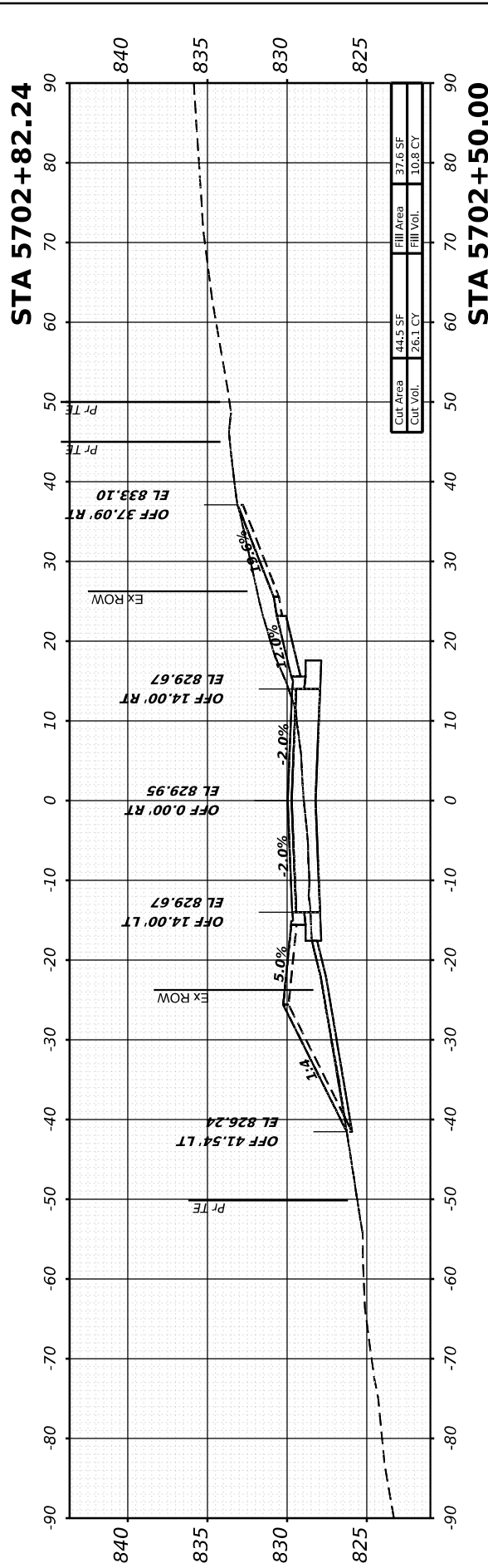
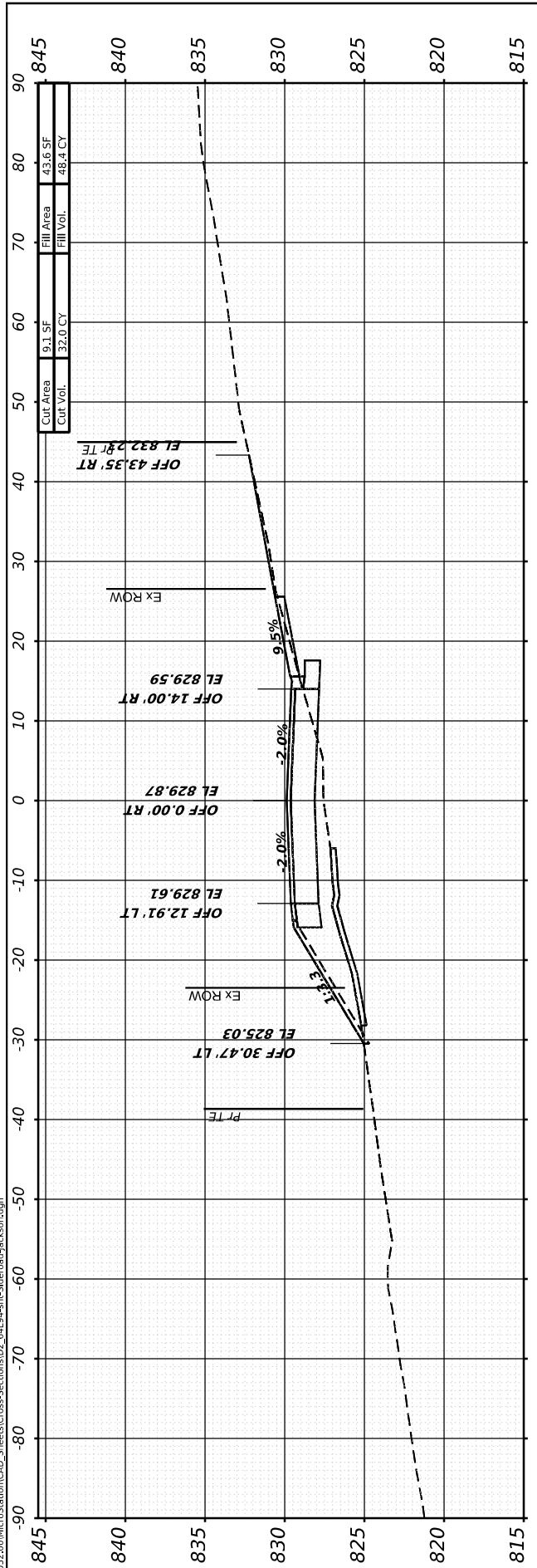
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	394
CONTRACT NO. 64L94			ILLINOIS FED. AID PROJECT	



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

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

MODEL: JACKSON - 5702+00.00 (1Sheet)  
 FILE NAME: W:\2020\02\20\InfoStation\CAD\_Sheets\Cross-Sections\02\_64L94-SP-Silverman-Jackson.dgn



USER NAME = MarcA.Personette  
 PLOT SCALE = 0.08333317 1/ in.  
 PLOT DATE = 3/28/2026

DESIGNED - PATRICK PAUSER  
 DRAWN - PATRICK PAUSER  
 CHECKED - BRAD LANGE  
 DATE - 3/28/2026

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

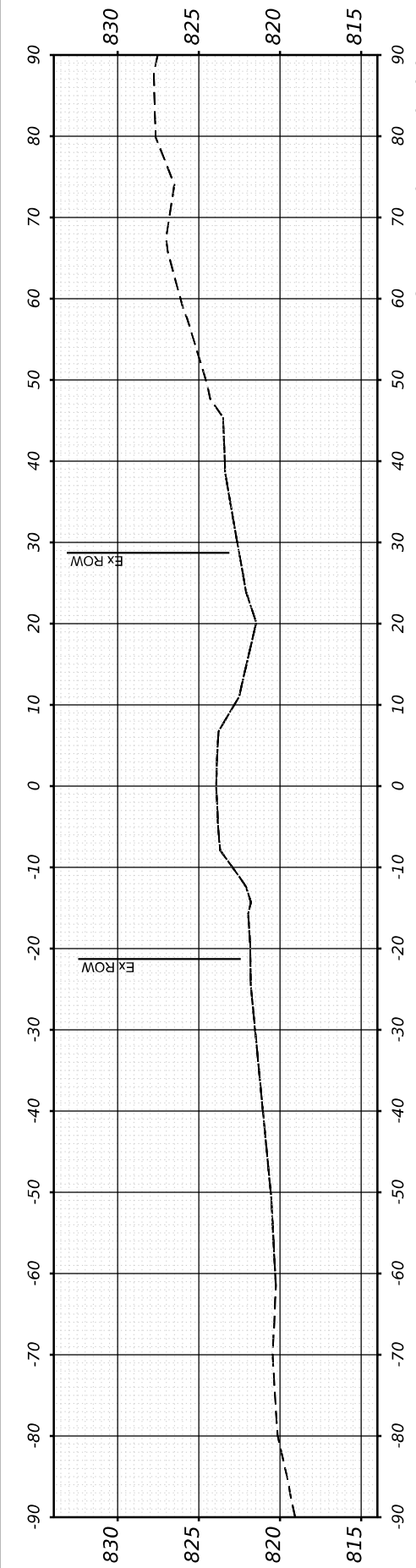
CROSS SECTIONS  
 JACKSON ST  
 SCALE: 1" = 20'  
 SHEET 4 OF 35 SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	395
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				

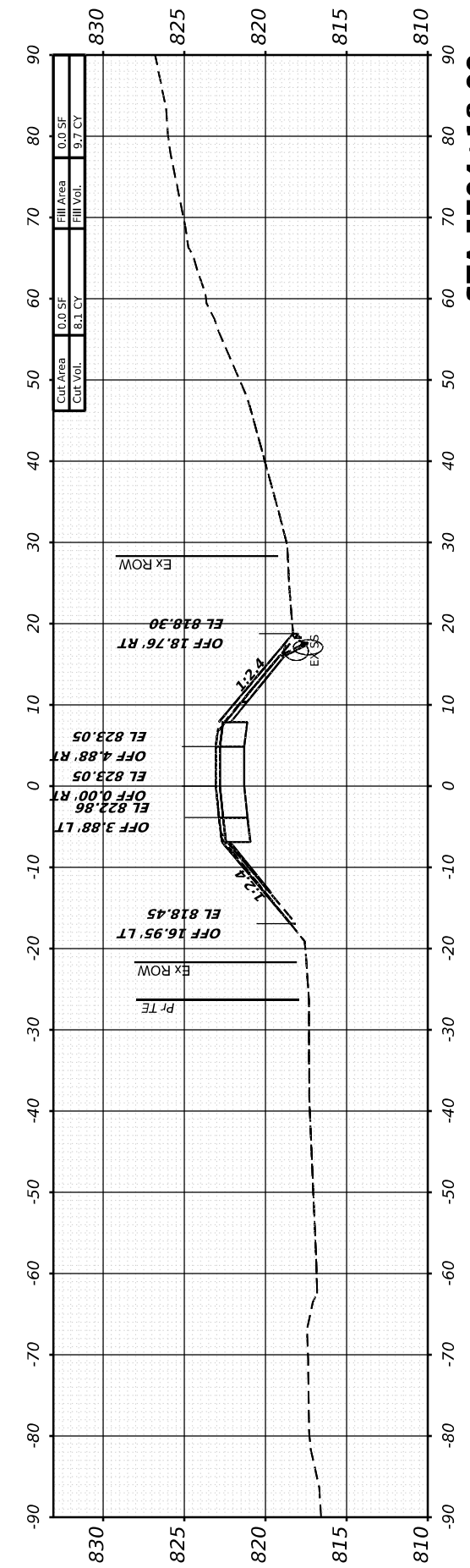
FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		
	AREAS CHECKED		

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

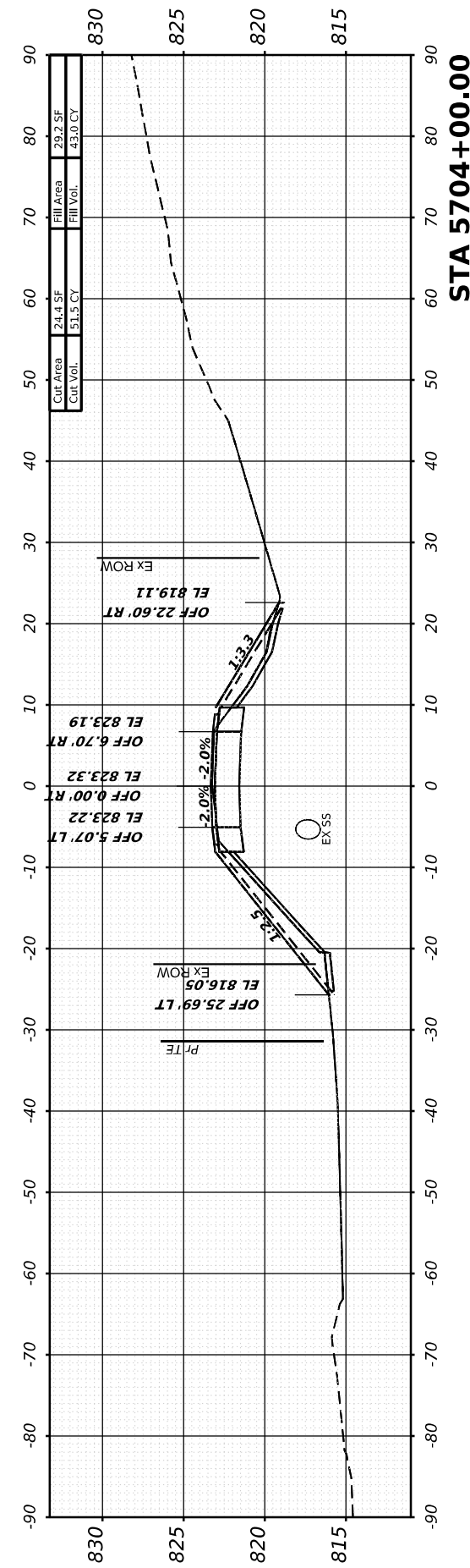
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 FILE NAME: W:\2020\02\00\InfoStation\CAD\_Sheets\Cross-Sections\02\_64L94-SP-SBarea-Jackson.dgn



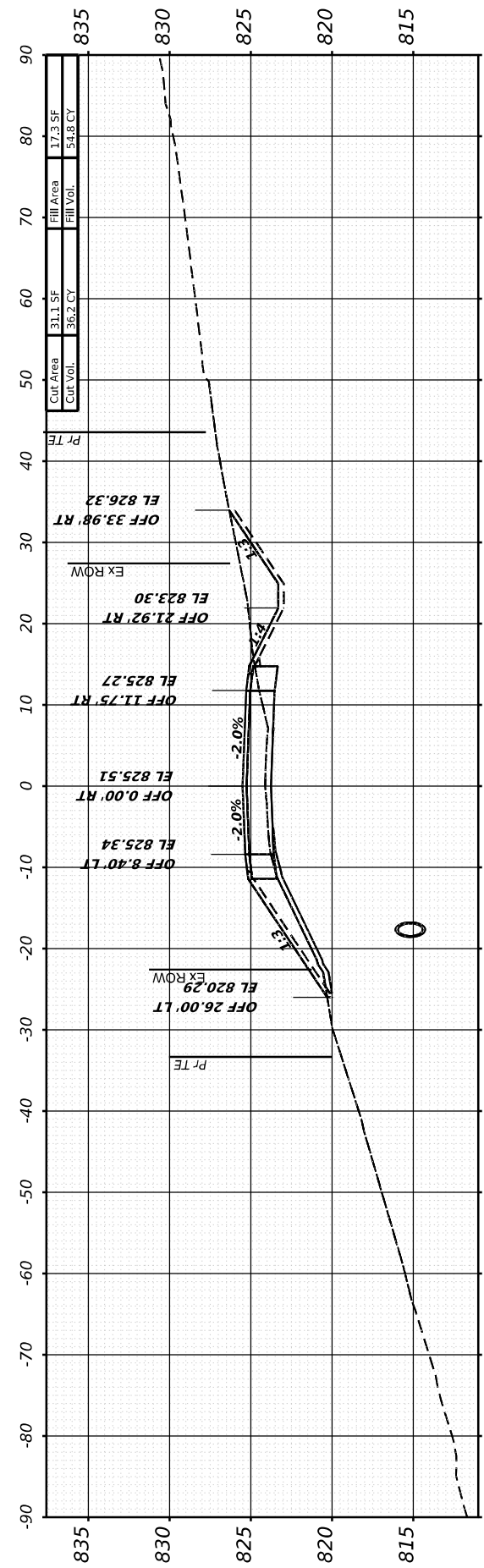
**STA 5704+50.00**



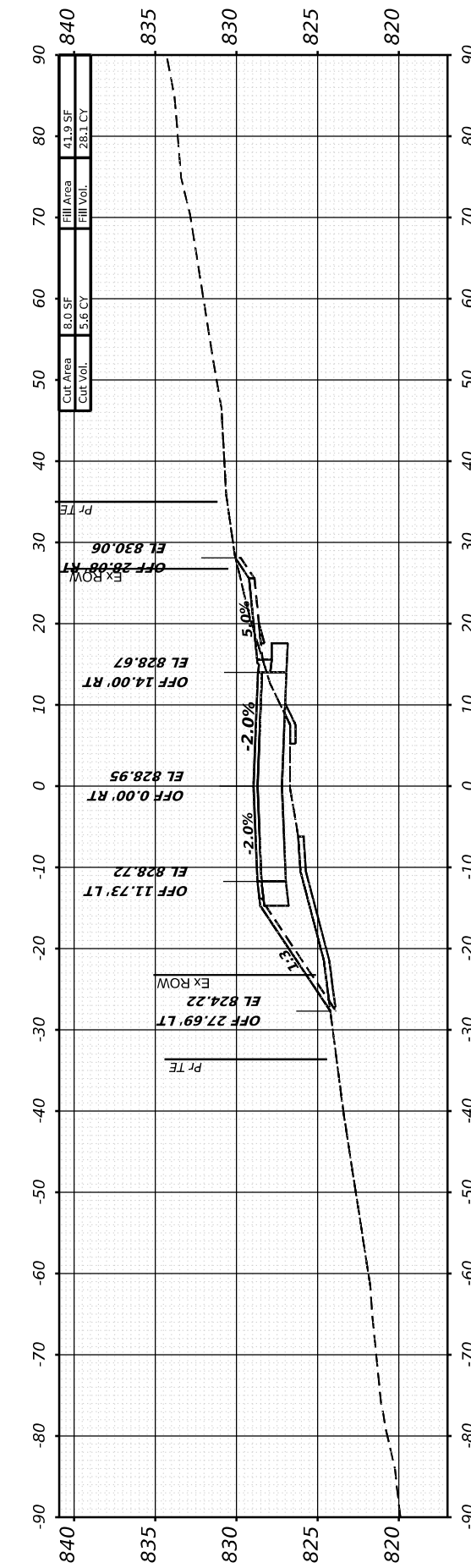
**STA 5704+18.00**



**STA 5704+00.00**



**STA 5703+50.00**



**STA 5703+00.00**



USER NAME = Marc.A.Personette  
 PLOT SCALE = 0.08333317 1/ in.  
 PLOT DATE = 3/28/2026

DESIGNED - PATRICK PAUSER  
 DRAWN - PATRICK PAUSER  
 CHECKED - BRAD LANGE  
 DATE - 3/28/2026

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 JACKSON ST**

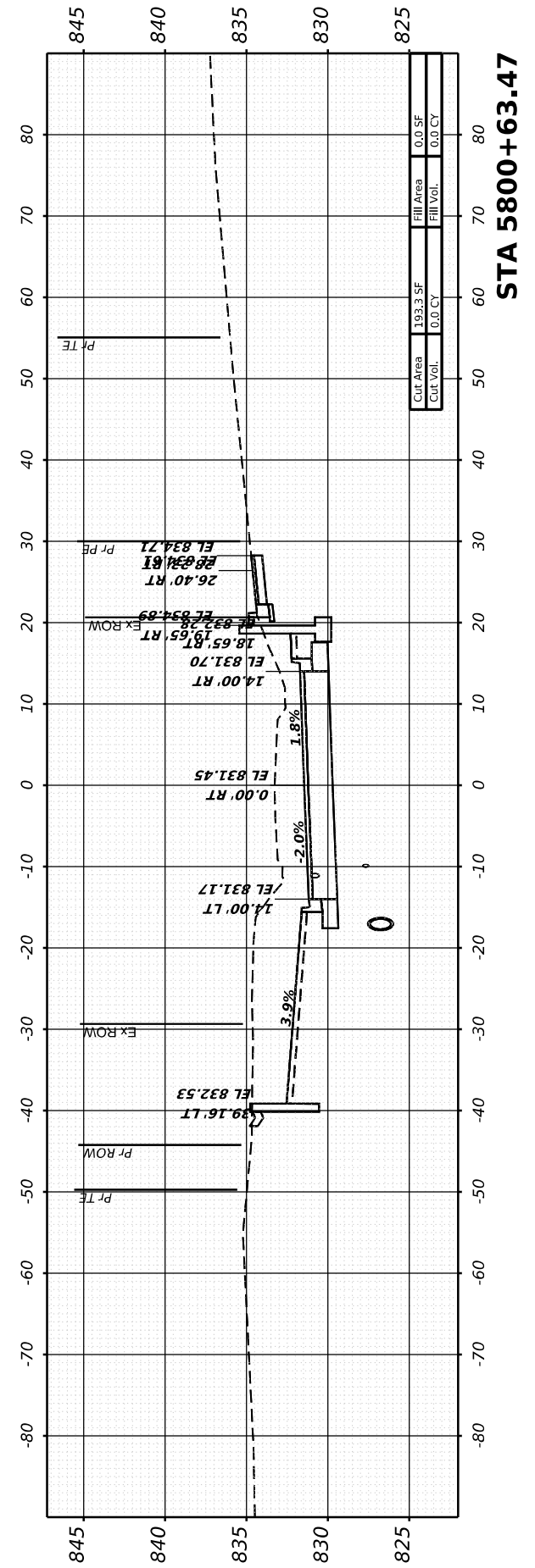
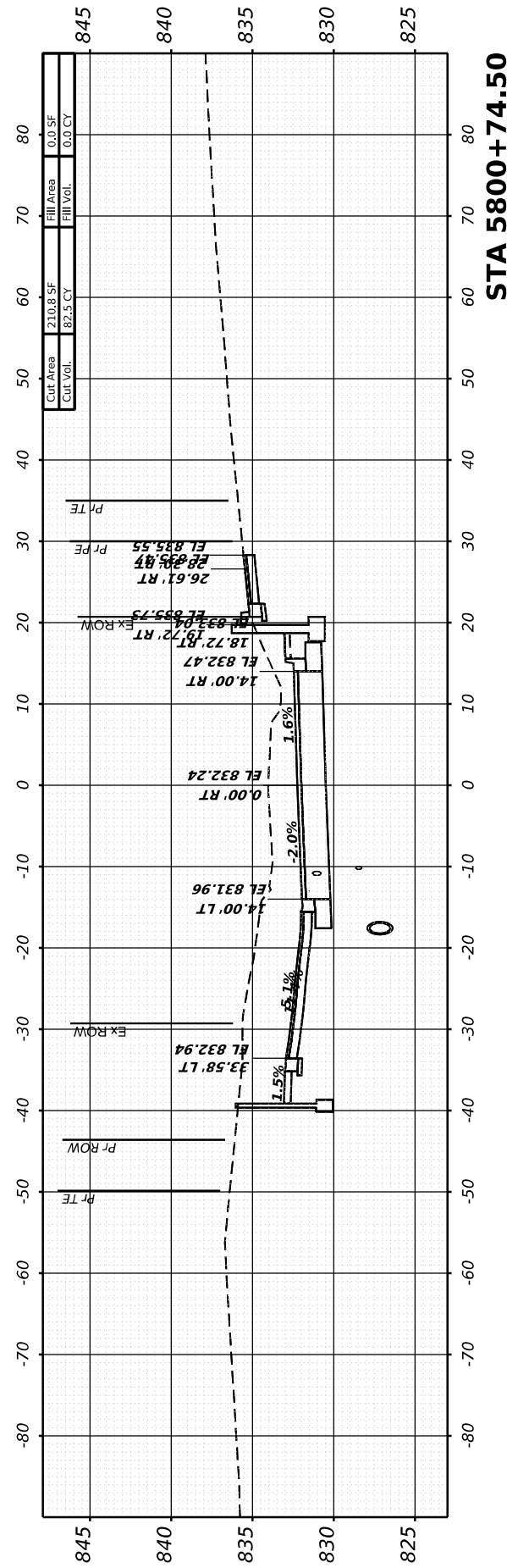
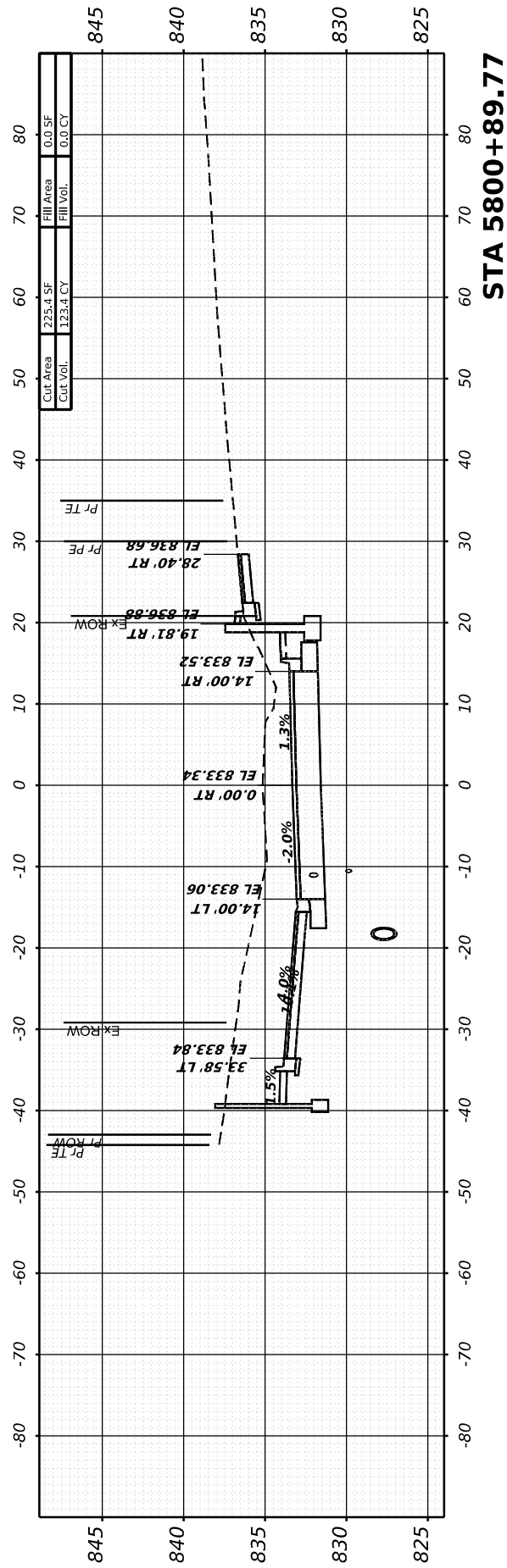
SCALE: 1" = 20' SHEET 5 OF 35 SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	396
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: ADAMS - 5800+25.00 (Sheet)  
 FILE NAME: W:\2000\02\200\microStation\CAD\_Sheets\Cross-Sections\02\_64L94-SP-Siberias-A4adm.dgn



USER NAME	= Marc.A.Personette
PLOT SCALE	= 0.08333317 1/1 in.
PLOT DATE	= 3/28/2026

DESIGNED	- PATRICK PAUSER
DRAWN	- PATRICK PAUSER
CHECKED	- BRAD LANGE
DATE	- 3/28/2026

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 N. ADAMS ST**

SCALE: 1" = 20' SHEET 6 OF 35 SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	397
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				





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

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

MODEL: ADAMS - 5802+74.39 (Sheet)  
 FILE NAME: W:\2000\02\00\microStation\CAD\_Sheets\Cross-Sections\02\_64L94-SF-Siberias-Adams.dgn



401 E. STATE ST, 4th Floor  
 ROCKFORD, IL 61104  
 PH: 815.965.6400  
 www.imegcorp.com

USER NAME	= Marc.A.Personette
DESIGNED	- PATRICK PAUSER
DRAWN	- PATRICK PAUSER
CHECKED	- BRAD LANGE
DATE	- 3/28/2026
PLOT SCALE	= 0.08333317 1/ in.
PLOT DATE	= 3/28/2026

DESIGNED	- PATRICK PAUSER	REVISED	-
DRAWN	- PATRICK PAUSER	REVISED	-
CHECKED	- BRAD LANGE	REVISED	-
DATE	- 3/28/2026	REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 N. ADAMS ST**

SCALE: 1" = 20' SHEET 9 OF 35 SHEETS STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
611	104R	HENRY	426	400
CONTRACT NO. 64L94				
ILLINOIS FED. AID PROJECT				

