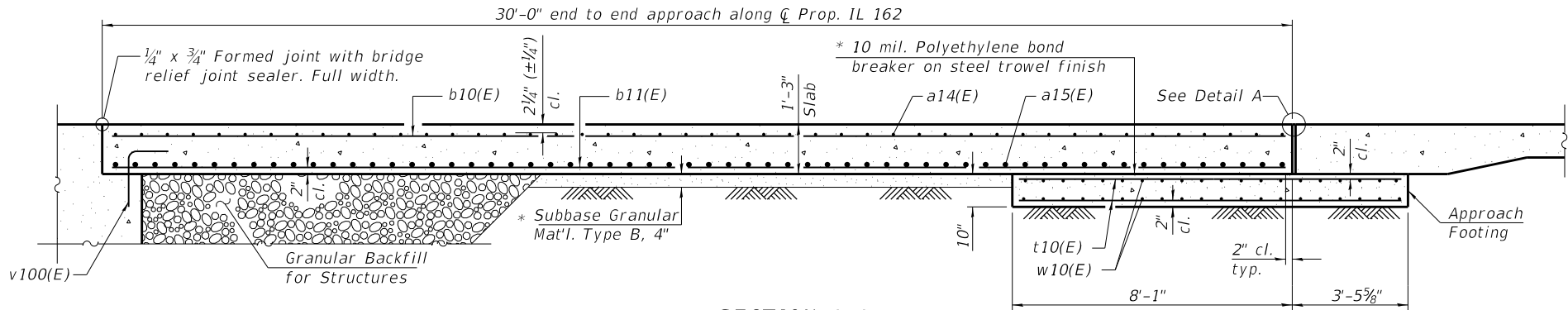
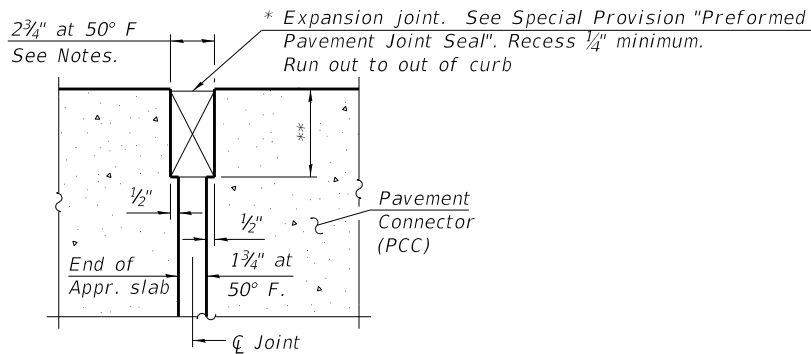


INSIDE ELEVATION OF PARAPET AND CURB



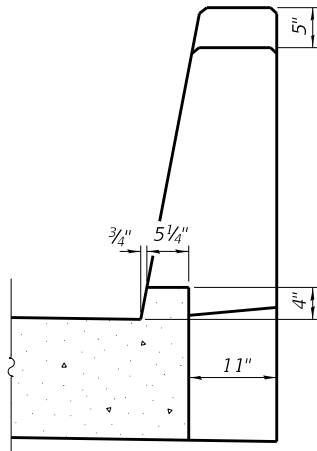
SECTION A-A



DETAIL A  
(at Rt. L's)

\* Cost included with Concrete Superstructure (Approach Slab).

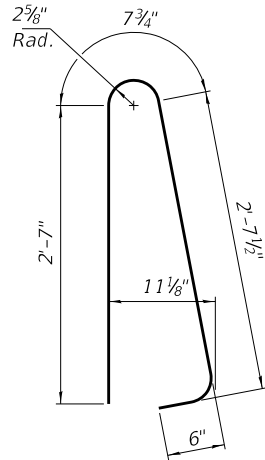
\*\* Per manufacturer recommendations



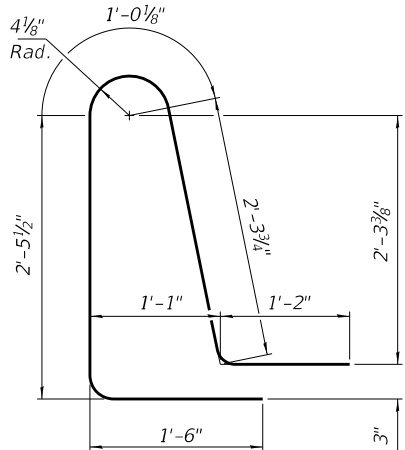
VIEW B-B

Notes:

The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach slab.  
Parapet concrete shall be paid for as Concrete Superstructure.  
Approach slab shall be paid for as Concrete Superstructure (Approach Slab).  
Approach footing concrete shall be paid for as Concrete Structures.  
The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.  
Cost of excavation for approach footing included with Concrete Structures.  
For Granular Backfill for Structures and drainage treatment details, see sheet 2 of 31.



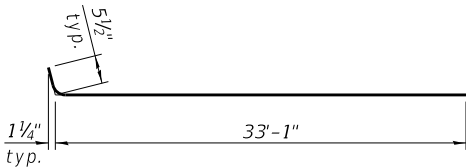
BAR d10(E)



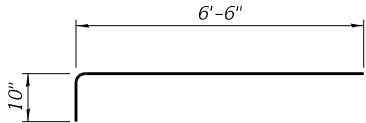
BAR d11(E)

WEST APPROACH  
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a14(E)	92	#5	33'-7"	
a15(E)	120	#8	33'-10"	
a16(E)	46	#5	7'-4"	
b10(E)	83	#5	29'-8"	
b11(E)	132	#9	29'-8"	
b12(E)	8	#5	14'-8"	
b13(E)	1	#4	14'-9"	
b14(E)	1	#4	14'-3"	
d10(E)	46	#5	6'-5"	
d11(E)	46	#5	8'-6"	
e10(E)	20	#4	14'-8"	
t10(E)	110	#4	10'-11"	
w10(E)	80	#5	32'-7"	
Concrete Structures			Cu. Yd.	19.2
Concrete Superstructure			Cu. Yd.	3.8
Concrete Superstructure (Approach Slab)			Cu. Yd.	76.8
Reinforcement Bars, Epoxy Coated			Pound	33,260



BAR a14(E)



BAR a16(E)



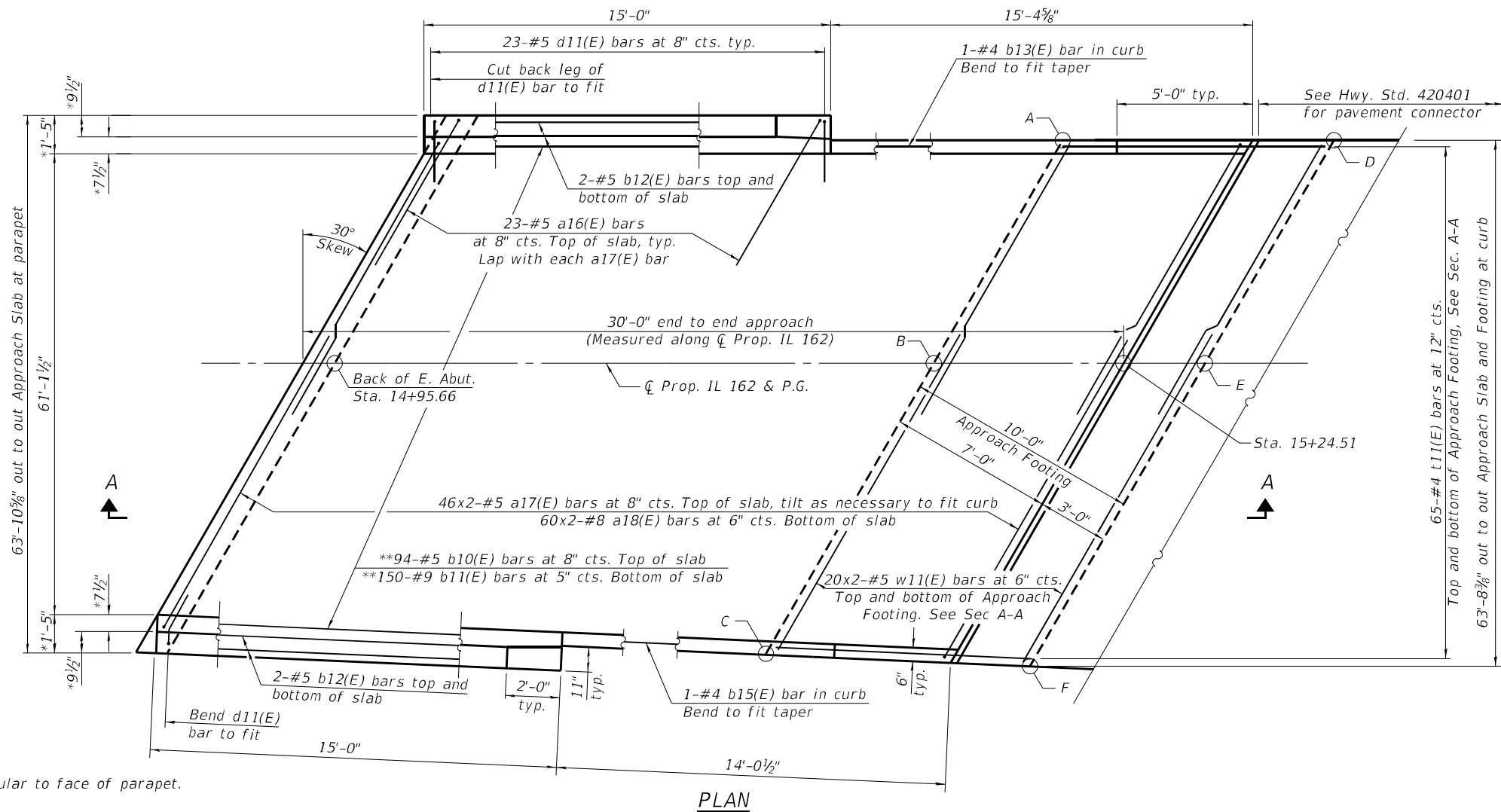
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PLOT SCALE =	DRAWN - WJS	REVISED
PLOT DATE = 3/4/2024	CHECKED - LDG	REVISED

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

WEST BRIDGE APPROACH SLAB DETAILS  
STRUCTURE NO. 060-0241

SHEET NO. 18 OF 31 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
586	51-1R	MADISON	296	201
SN 060-0241		CONTRACT NO. 76A46		
ILLINOIS FED. AID PROJECT				



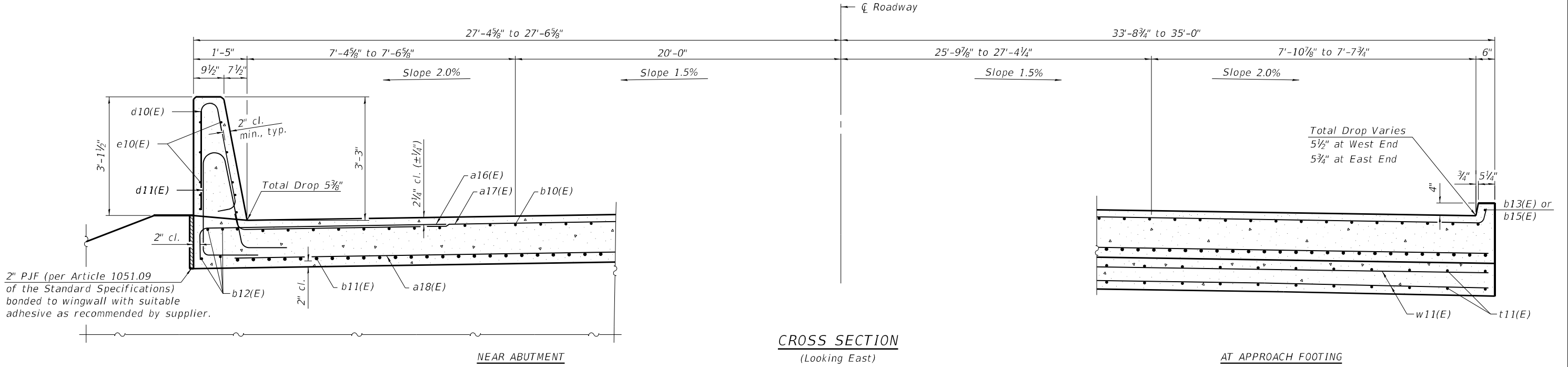
Notes:  
Flare b10(E), b11(E) & t11(E) bars as required.  
Bars indicated thus 20x2-#5 etc. indicates 20 lines of bars with 2 lengths per line.  
For additional stations and offsets, see sheet 11 of 31.

**TOP AND BOTTOM ELEVATIONS  
FOR APPROACH FOOTING**

Approach		
Point/Location	Top	Bottom
A - North Edge of Slab	444.57	443.74
B - $\bar{C}$ Prop. IL 162	445.11	444.28
C - South Edge of Slab	444.64	443.81
D - North Edge of Slab	444.51	444.68
E - $\bar{C}$ Prop. IL 162	445.06	444.23
F - South Edge of Slab	444.58	443.75

**MINIMUM BAR LAP**

#5 bar = 3'-4"  
#8 bar = 4'-9"



**CROSS SECTION  
(Looking East)**

**AT APPROACH FOOTING**

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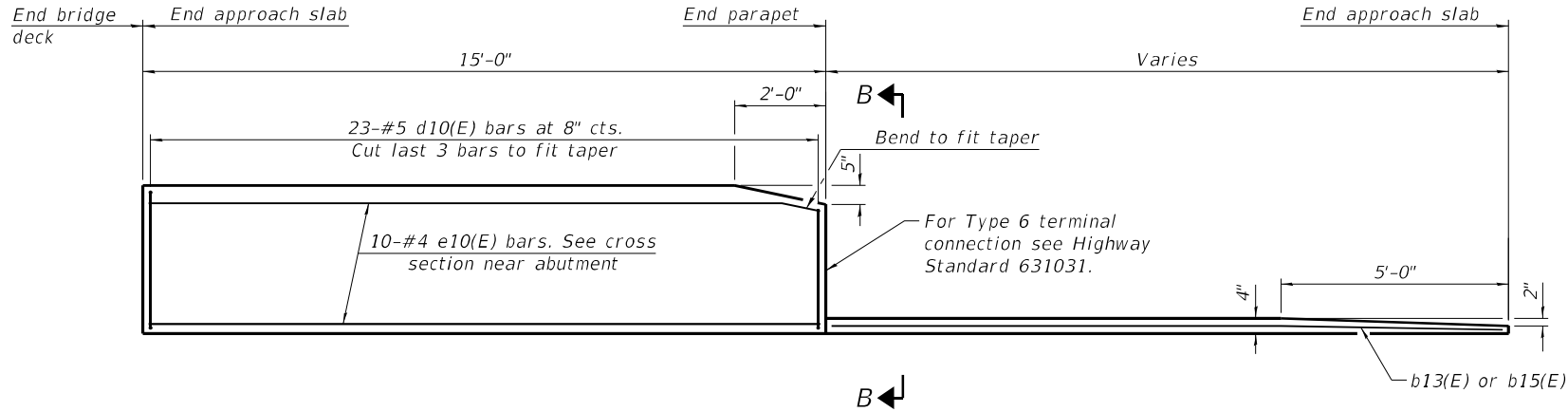
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PLOT SCALE =	DRAWN - WJS	REVISED
PLOT DATE = 3/4/2024	CHECKED - LDG	REVISED

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EAST BRIDGE APPROACH SLAB DETAILS  
STRUCTURE NO. 060-0241**

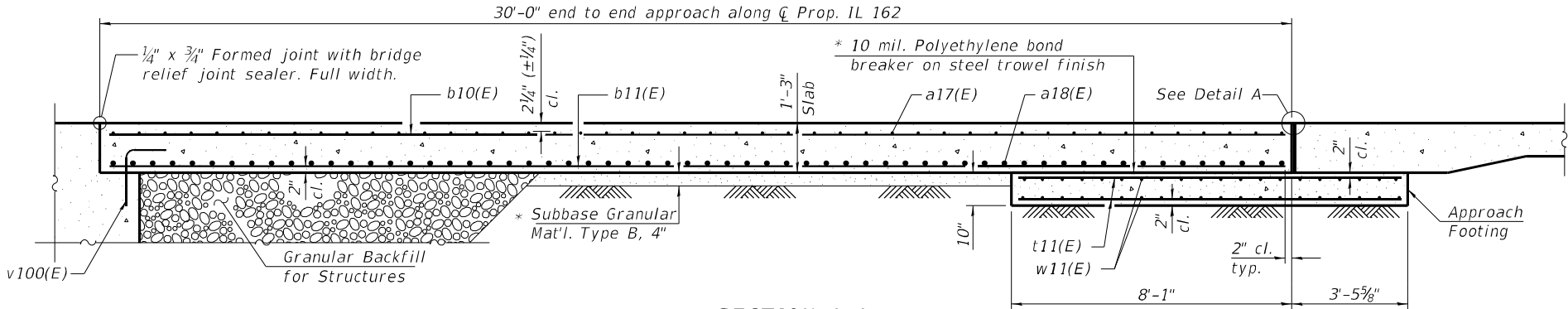
SHEET NO. 19 OF 31 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
586	51-1R	MADISON	296	202
SN 060-0241		CONTRACT NO. 76A46		
ILLINOIS FED. AID PROJECT				

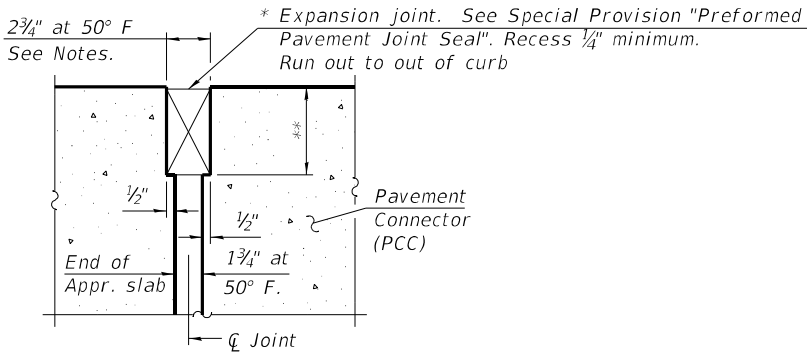


INSIDE ELEVATION OF PARAPET AND CURB

Notes:  
The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach slab.  
Parapet concrete shall be paid for as Concrete Superstructure.  
Approach slab shall be paid for as Concrete Superstructure (Approach Slab).  
Approach footing concrete shall be paid for as Concrete Structures.  
The approach footing maximum applied service bearing pressure ( $Q_{max}$ ) = 2.0 ksf.  
Cost of excavation for approach footing included with Concrete Structures.  
For Granular Backfill for Structures and drainage treatment details, see sheet 2 of 31.  
For a16(E), d10(E) and d11(E) bar details, see sheet 18 of 31.

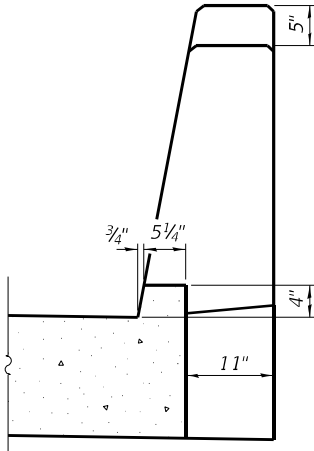


SECTION A-A

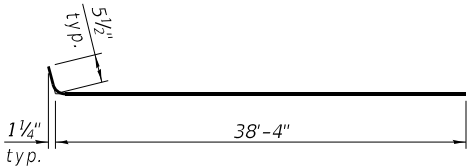


DETAIL A  
(at Rt. L's)

\* Cost included with Concrete Superstructure (Approach Slab).  
\*\* Per manufacturer recommendations



VIEW B-B



BAR a17(E)

EAST APPROACH  
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a16(E)	46	#5	7'-4"	
a17(E)	92	#5	38'-10"	
a18(E)	120	#8	39'-1"	
b10(E)	94	#5	29'-8"	
b11(E)	150	#9	29'-8"	
b12(E)	8	#5	14'-8"	
b13(E)	1	#4	14'-9"	
b15(E)	1	#4	13'-9"	
d10(E)	46	#5	6'-5"	
d11(E)	46	#5	8'-6"	
e10(E)	20	#4	14'-8"	
t11(E)	130	#4	11'-0"	
w11(E)	80	#5	38'-3"	
Concrete Structures			Cu. Yd.	22.7
Concrete Superstructure			Cu. Yd.	3.8
Concrete Superstructure (Approach Slab)			Cu. Yd.	88.8
Reinforcement Bars, Epoxy Coated			Pound	39,850

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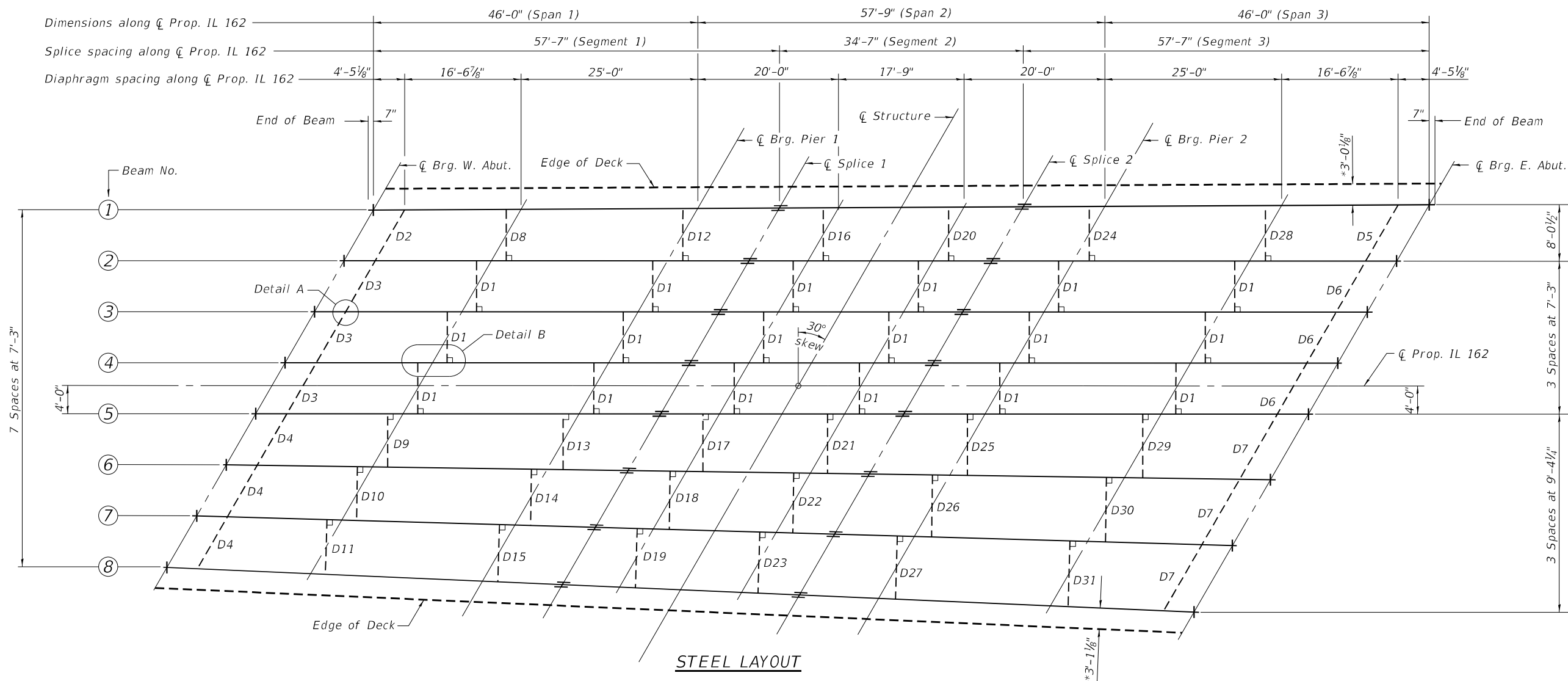
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PLOT SCALE =	DRAWN - WJS	REVISED
PLOT DATE = 3/4/2024	CHECKED - LDG	REVISED

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EAST BRIDGE APPROACH SLAB DETAILS  
STRUCTURE NO. 060-0241

SHEET NO. 20 OF 31 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
586	51-1R	MADISON	296	203
SN 060-0241		CONTRACT NO. 76A46		
ILLINOIS		FED. AID PROJECT		



**\*\*TOP OF BEAM ELEVATIONS**

Location	CL Brg. W. Abut.	CL Brg. Pier 1	CL Splice 1	CL Splice 2	CL Brg. Pier 2	CL Brg. E. Abut.
Beam 1	445.48	445.54	445.56	445.47	445.41	445.20
Beam 2	445.60	445.68	445.70	445.64	445.58	445.37
Beam 3	445.70	445.79	445.82	445.77	445.71	445.50
Beam 4	445.79	445.88	445.91	445.90	445.84	445.63
Beam 5	445.76	445.88	445.91	445.88	445.83	445.64
Beam 6	445.63	445.76	445.80	445.76	445.71	445.53
Beam 7	445.50	445.63	445.67	445.64	445.59	445.41
Beam 8	445.33	445.46	445.50	445.49	445.44	445.27

\*\* "For Fabrication Only"

**Notes:**

All diaphragms between beams shall be installed with erection pins and bolts in accordance with erection plan approved by the Engineer. Individual diaphragms at supports may be temporarily disconnected to install bearing anchor bolts.

For Beam Dimension Tables, see sheet 22 of 31.

For diaphragm details and dimensions, see sheet 23 of 31.

For Detail A and B, see sheet 23 of 31.

**\*\*\*DIAPHRAGM LENGTHS**

Diaphragm	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12	D13	D14	D15	D16
No. of Locations	18	1	3	3	1	3	3	1	1	1	1	1	1	1	1	1
Length	7'-3"	8'-4 $\frac{3}{4}$ "	8'-4 $\frac{1}{2}$ "	8'-5 $\frac{3}{8}$ "	9'-3 $\frac{1}{8}$ "	8'-4 $\frac{1}{2}$ "	10'-8 $\frac{3}{4}$ "	7'-4 $\frac{1}{4}$ "	7'-6 $\frac{7}{8}$ "	7'-5 $\frac{1}{8}$ "	7'-8 $\frac{3}{8}$ "	7'-5 $\frac{3}{4}$ "	7'-11 $\frac{1}{8}$ "	7'-11 $\frac{7}{8}$ "	8'-0 $\frac{5}{8}$ "	7'-7 $\frac{1}{8}$ "
Diaphragm	D17	D18	D19	D20	D21	D22	D23	D24	D25	D26	D27	D28	D29	D30	D31	
No. of Locations	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Length	8'-2 $\frac{1}{2}$ "	8'-3 $\frac{1}{4}$ "	8'-4 $\frac{1}{8}$ "	7'-8 $\frac{1}{4}$ "	8'-5 $\frac{1}{2}$ "	8'-6 $\frac{3}{8}$ "	8'-7 $\frac{1}{8}$ "	7'-9 $\frac{1}{2}$ "	8'-8 $\frac{7}{8}$ "	8'-9 $\frac{3}{4}$ "	8'-10 $\frac{5}{8}$ "	7'-11"	9'-1 $\frac{1}{8}$ "	9'-2"	9'-2 $\frac{7}{8}$ "	

\*\*\*Dimensions are taken along diaphragm from  $\text{CL}$  to  $\text{CL}$  beam.



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PLOT DATE = 3/4/2024	CHECKED - LDG	REVISED

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

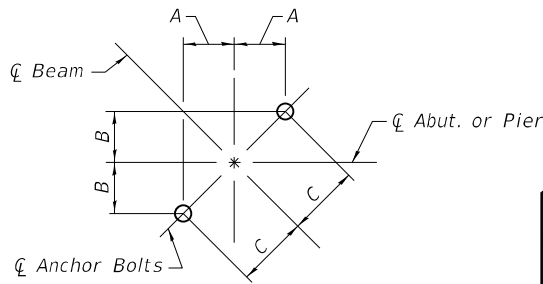
FRAMING PLAN  
STRUCTURE NO. 060-0241

SHEET NO. 21 OF 31 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
586	51-1R	MADISON	296	204
SN 060-0241		CONTRACT NO. 76A46		
ILLINOIS		FED. AID PROJECT		







ANCHOR BOLT LAYOUT FOR  
FIXED BEARINGS AT  
ABUTMENTS AND PIERS

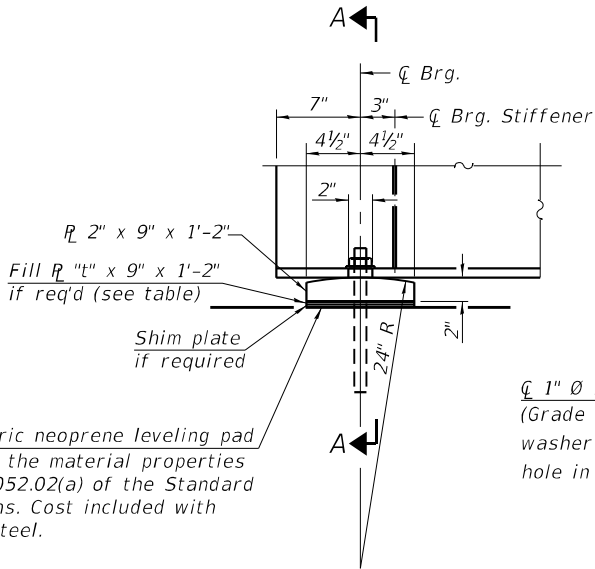
ANCHOR BOLT DIMENSIONS

Location	Beam No.	A	B	C
West & East Abutments	1-8	3"	1 3/4"	3 1/2"
Piers 1 & 2	1-5	7 3/4"	4 1/2"	9"
	6	7 7/8"	4 3/8"	9"
	7	7 7/8"	4 1/4"	9"
	8	8"	4 1/8"	9"

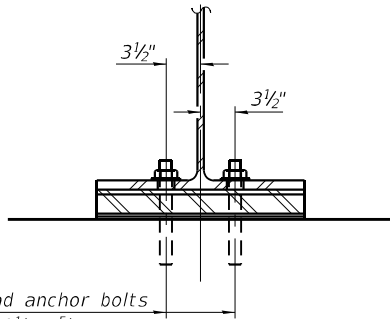
TABLE OF "t" DIMENSIONS

Beam No.	West Abut.	Pier 1	Pier 2	East Abut.
1	-	-	-	-
2	-	-	-	-
3	-	-	-	-
4	1 1/16"	-	1/8"	-
5	1 1/16"	-	-	1/8"
6	-	-	-	-
7	-	-	-	-
8	-	-	-	-

1/8" Elastomeric neoprene leveling pad according to the material properties of Article 1052.02(a) of the Standard Specifications. Cost included with Structural Steel.

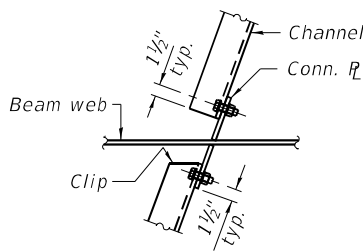


ELEVATION AT ABUTMENT  
(16 Required)

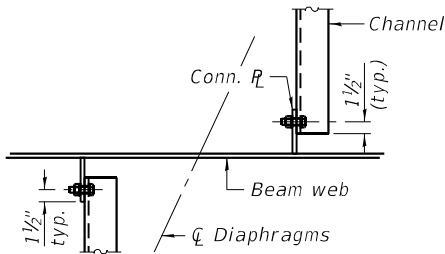


SECTION A-A

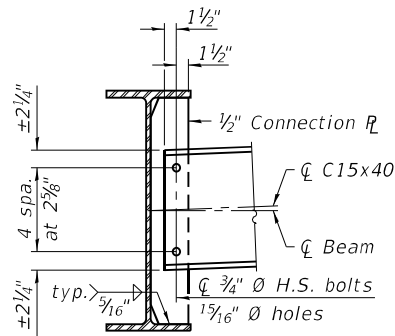
1" Ø x 12" All-thread anchor bolts (Grade 55) with 2 1/4" x 2 1/4" x 5/16" R washer under nut. 1 3/8" x 2" slotted hole in flange. 1 1/2" Ø Holes in bearing plate.



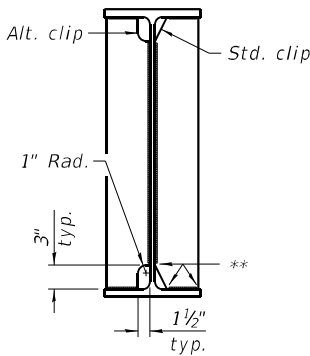
DETAIL A  
(14 required on skew)



DETAIL B  
(42 required perpendicular to beam)



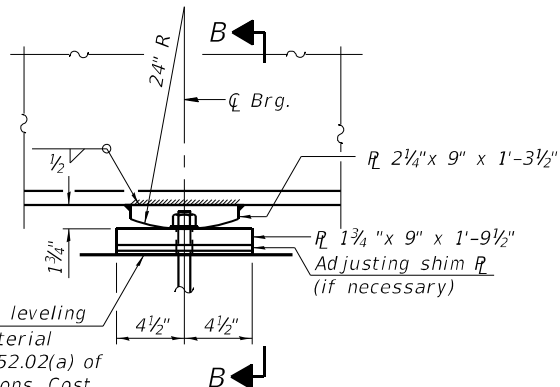
INTERIOR DIAPHRAGM



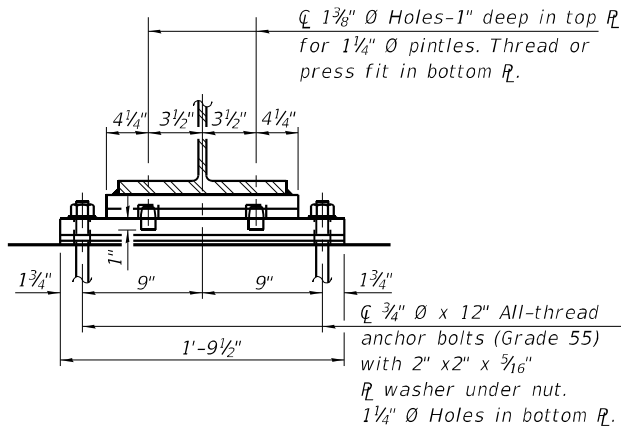
WELD LIMITS AND CLIP DETAILS

\*\* Stop welds 1/4" (±1/8") from edges as shown. Typical.

1/8" Elastomeric neoprene leveling pad according to the material properties of Article 1052.02(a) of the Standard Specifications. Cost included with Structural Steel.

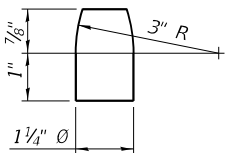


ELEVATION AT PIER  
(16 Required)



SECTION B-B

FIXED BEARING



PINTLE

Notes:  
Two 1/8 in. adjustment shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on the bearing details.  
The anchor bolt sizes and grades shown constitute a calculated seismic structural fuse. Substitutions of higher diameter and/or grade anchor bolts will not be allowed.

BILL OF MATERIAL

Item	Unit	Total
Anchor Bolts, 3/4"	Each	32
Anchor Bolts, 1"	Each	32

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INTERIOR BEAM MOMENT TABLE (For Beam Line 6)					
	0.4 Sp. 1	Pier 1	0.5 Sp. 2	Pier 2	0.6 Sp. 3
$I_s$	(in <sup>4</sup> )	5,660	5,660	5,660	5,660
$I_c(n)$	(in <sup>4</sup> )	17,108	17,108	17,463	17,750
$I_c(3n)$	(in <sup>4</sup> )	12,680	12,680	13,062	13,380
$I_c(cr)$	(in <sup>4</sup> )	—	8,203	—	8,360
$S_s$	(in <sup>3</sup> )	414	414	414	414
$S_c(n)$	(in <sup>3</sup> )	633	633	638	641
$S_c(3n)$	(in <sup>3</sup> )	575	575	581	585
$S_c(cr)$	(in <sup>3</sup> )	—	492	—	496
$S_x$	(in <sup>3</sup> )	—	—	—	—
DC1	(k/')	0.943	1.020	1.020	1.089
M <sub>DC1</sub>	('k)	137	274.3	151	298
DC2	(k/')	0.131	0.131	0.131	0.131
M <sub>DC2</sub>	('k)	18.9	35.8	18.8	35.8
DW	(k/')	0.39	0.43	0.43	0.46
M <sub>DW</sub>	('k)	54.2	110.3	61.4	122.1
LLDF		0.707	0.717	0.727	0.764
M <sub>ℓ + IM</sub>	('k)	518.9	498.5	558.5	531.2
$f_t$ (Strength I)	(ksi)	0	0	0	0
$M_u + \frac{1}{3} f_t S_x$	('k)	1,184	1,425	1,282	1,530
Ø <sub>r</sub> M <sub>n</sub>	('k)	3,298	—	3,307	—
$f_s$ DC1	(ksi)	4.0	8.0	4.4	8.6
$f_s$ DC2	(ksi)	0.4	0.9	0.4	0.9
$f_s$ DW	(ksi)	1.1	2.7	1.3	3.0
$f_s$ (ℓ+IM)	(ksi)	9.8	12.2	10.5	12.9
$f_t$ (Service II)	(ksi)	0	0	0	0
$f_s + \frac{f_t}{2}$ (Service II)	(ksi)	18.3	27.3	19.7	29.2
Service II Resistance	(ksi)	47.5	47.5	47.5	47.5
$f_s + \frac{f_t}{3}$ (Strength I)	(ksi)	24.4	36.3	26.3	38.8
Ø <sub>r</sub> F <sub>n</sub>	(ksi)	—	50.0	—	47.8
V <sub>r</sub>	(k)	26.9	32.0	32.0	32.0

BEAM REACTION TABLE (For Beam Line 6)				
	W. Abut.	Pier 1	Pier 2	E. Abut.
LLDF	0.888	0.948	0.948	1.001
OCF	1.12	1.12	1.12	1.12
R <sub>DC1</sub>	(k)	16.4	58.2	62.9
R <sub>DC2</sub>	(k)	2.2	7.6	7.6
R <sub>DW</sub>	(k)	6.5	23.4	25.7
R <sub>ℓ</sub>	(k)	60.3	115.3	122.4
R <sub>IM</sub>	(k)	15.98	26.15	27.75
R <sub>Total</sub> (Strength I)(Impact)	(k)	166.6	364.9	389.4
R <sub>Total</sub> (Strength I)(No Impact)	(k)	138.6	319.1	340.9

- $I_s, S_s$  : Non-composite moment of inertia and section modulus of the steel section used for computing  $f_s$ (Total-Strength I, and Service II) due to non-composite dead loads (in.<sup>4</sup> and in.<sup>3</sup>).
- $I_c(n), S_c(n)$ : Composite moment of inertia and section modulus of the steel and deck based upon the modular ratio, "n", used for computing  $f_s$ (Total-Strength I, and Service II) in uncracked sections due to short-term composite live loads (in.<sup>4</sup> and in.<sup>3</sup>).
- $I_c(3n), S_c(3n)$ : Composite moment of inertia and section modulus of the steel and deck based upon 3 times the modular ratio, "3n", used for computing  $f_s$ (Total-Strength I, and Service II) in uncracked sections, due to long-term composite (superimposed) dead loads (in.<sup>4</sup> and in.<sup>3</sup>).
- $I_c(cr), S_c(cr)$ : Composite moment of inertia and section modulus of the steel and longitudinal deck reinforcement, used for computing  $f_s$  (Total-Strength I and Service II) in cracked sections, due to both short-term composite live loads and long-term composite (superimposed) dead loads (in.<sup>4</sup> and in.<sup>3</sup>).
- $S_x$  : Section modulus about the major axis of a section to the controlling flange, tension or compression, taken as yield moment with respect to the controlling flange over the yield strength of the controlling flange (in.<sup>3</sup>).
- DC1: Un-factored non-composite dead load (kips/ft.).
- M<sub>DC1</sub> : Un-factored moment due to non-composite dead load (kip-ft.).
- DC2: Un-factored long-term composite (superimposed excluding future wearing surface) dead load (kips/ft.).
- M<sub>DC2</sub> : Un-factored moment due to long-term composite (superimposed excluding future wearing surface) dead load (kip-ft.).
- DW: Un-factored long-term composite (superimposed future wearing surface only) dead load (kips/ft.).
- M<sub>DW</sub> : Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft.).
- LLDF: Live Load Distribution Factor for moment and shear computed according to Article 4.6.2.2 and further IDOT provisions.
- M<sub>ℓ + IM</sub> : Un-factored live load moment plus dynamic load allowance (impact) (kip-ft.).
- M<sub>u</sub> : Strength I load combination of factored design moments (kip-ft.).  
1.25 (M<sub>DC1</sub> + M<sub>DC2</sub>) + 1.5 M<sub>DW</sub> + 1.75 M<sub>ℓ + IM</sub>
- $f_t$  : Factored calculated flange lateral bending stress as calculated using Article 6.10.1.6 and as further simplified by IDOT provisions (ksi).
- Ø<sub>r</sub>F<sub>n</sub>: Factored nominal flexural resistance of the section determined as specified in Article 6.10.7.1 or A6 as applicable (kip-ft.).

- $f_s$  DC1: Un-factored stress at edge of flange for controlling steel flange due to vertical non-composite dead loads as calculated below (ksi).  
M<sub>DC1</sub> / S<sub>s</sub>
- $f_s$  DC2: Un-factored stress at edge of flange for controlling steel flange due to vertical composite dead loads as calculated below (ksi).  
M<sub>DC2</sub> / S<sub>c</sub>(3n) or M<sub>DC2</sub> / S<sub>c</sub>(cr) as applicable.
- $f_s$  DW: Un-factored stress at edge of flange for controlling steel flange due to vertical composite future wearing surface loads as calculated below (ksi).  
M<sub>DW</sub> / S<sub>c</sub>(3n) or M<sub>DW</sub> / S<sub>c</sub>(cr) as applicable.
- $f_s$  (ℓ + IM): Un-factored stress at edge of flange for controlling steel flange due to vertical composite live load plus impact loads as calculated below (ksi).  
M<sub>ℓ + IM</sub> / S<sub>c</sub>(n) or M<sub>ℓ + IM</sub> / S<sub>c</sub>(cr) as applicable.
- $f_s + f_t/2$  (Service II): Sum of stresses as computed below (ksi).  
 $f_s$  DC1 +  $f_s$  DC2 +  $f_s$  DW + 1.3  $f_s$  (ℓ + IM) +  $f_t/2$
- Service II Resistance: Composite (0.95R<sub>n</sub>F<sub>yf</sub>) or noncomposite (0.80R<sub>n</sub>F<sub>yf</sub>) stress capacity according to Article 6.10.4.2 (ksi).
- $f_s + f_t/3$  (Strength I): Sum of stresses as computed below on non-compact sections (ksi).  
1.25 ( $f_s$  DC1 +  $f_s$  DC2) + 1.5  $f_s$  DW + 1.75  $f_s$  (ℓ + IM) +  $f_t/3$
- Ø<sub>r</sub>F<sub>n</sub> : Factored nominal flexural resistance of the section as specified in Article 6.10.7.2 or 6.10.8 as applicable (ksi).
- V<sub>r</sub> : Maximum factored shear range in span computed according to Article 6.10.10.
- OCF: Obtuse Correction Factor according to Article 4.6.2.2.3c or as further simplified by IDOT provisions.
- R<sub>DC1</sub> : Un-factored reaction due to non-composite dead load (kip).
- R<sub>DC2</sub> : Un-factored reaction due to long-term composite (superimposed excluding future wearing surface) dead load (kip).
- R<sub>DW</sub> : Un-factored reaction due to long-term composite (superimposed future wearing surface only) dead load (kip).
- R<sub>ℓ</sub> : Un-factored live load reaction (kip).
- R<sub>IM</sub> : Un-factored dynamic load allowance (impact) (kip).
- R<sub>Total</sub> (Strength I)(Impact): Strength I load combination of factored design reactions (kip).  
1.25 (R<sub>DC1</sub> + R<sub>DC2</sub>) + 1.5R<sub>DW</sub> + 1.75 (R<sub>ℓ</sub> + R<sub>IM</sub>)
- R<sub>Total</sub> (Strength I)(No Impact): Strength I load combination of factored design reactions, not including dynamic load allowance (Impact) (kip).  
1.25 (R<sub>DC1</sub> + R<sub>DC2</sub>) + 1.5R<sub>DW</sub> + 1.75 (R<sub>ℓ</sub>)



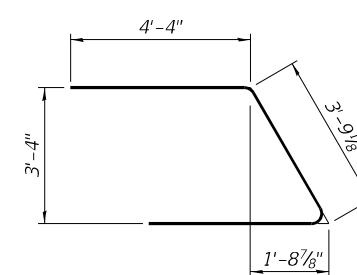
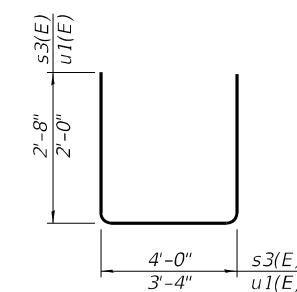
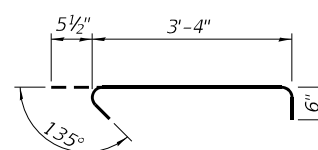
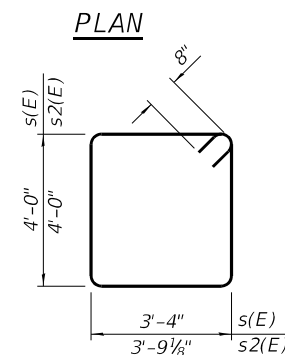
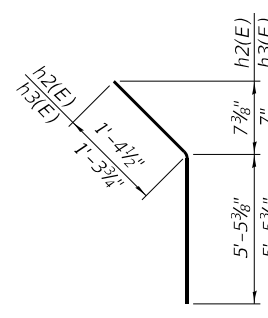
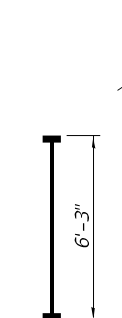
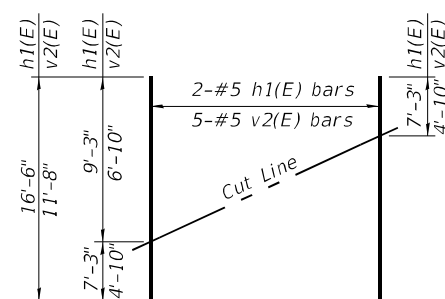
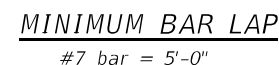
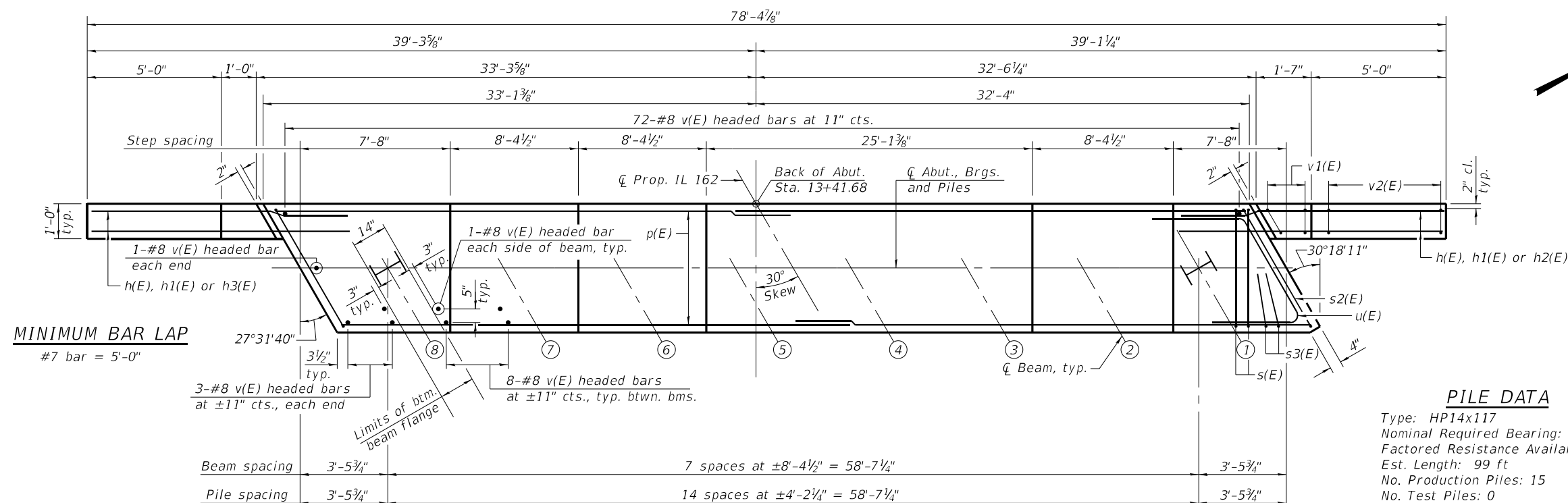
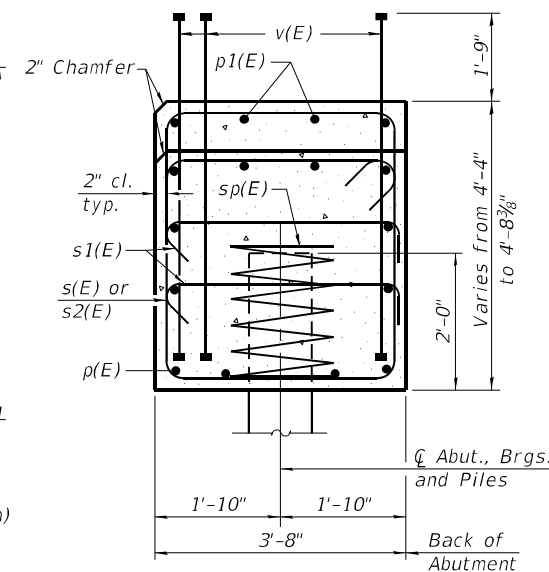
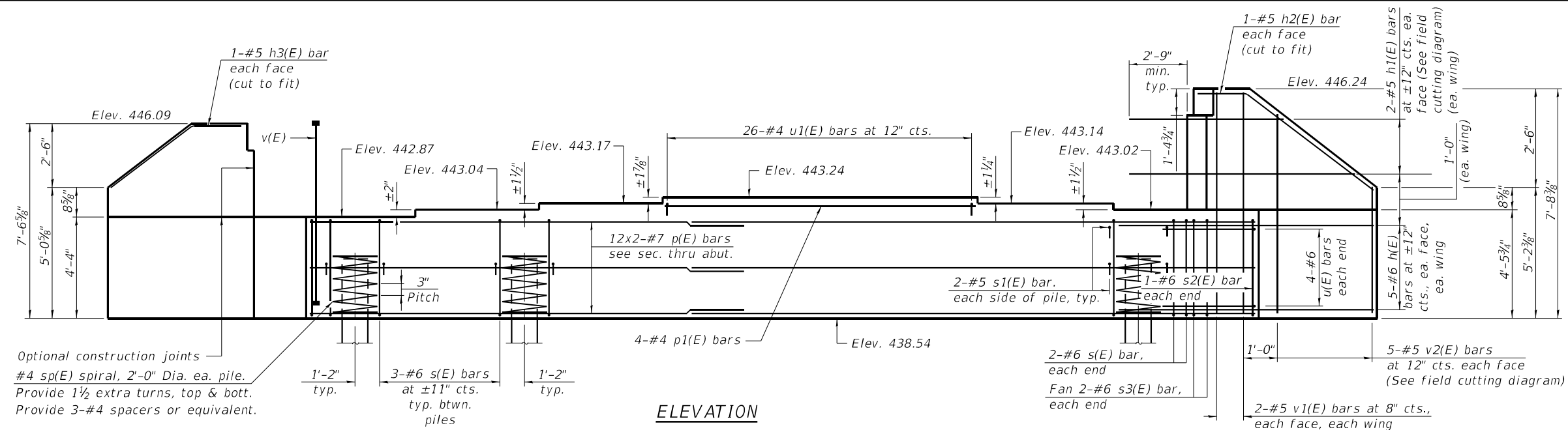
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	CHECKED - LDG	REVISED
PLOT SCALE =	DRAWN - WJS	REVISED
PLOT DATE = 7/23/2025	CHECKED - LDG	REVISED

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

















STRUCTURAL STEEL  
STRUCTURE NO. 060-0241

SHEET NO. 24 OF 31 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
586	51-1R	MADISON	296	207
SN 060-0241		CONTRACT NO. 76A46		
ILLINOIS		FED. AID PROJECT		

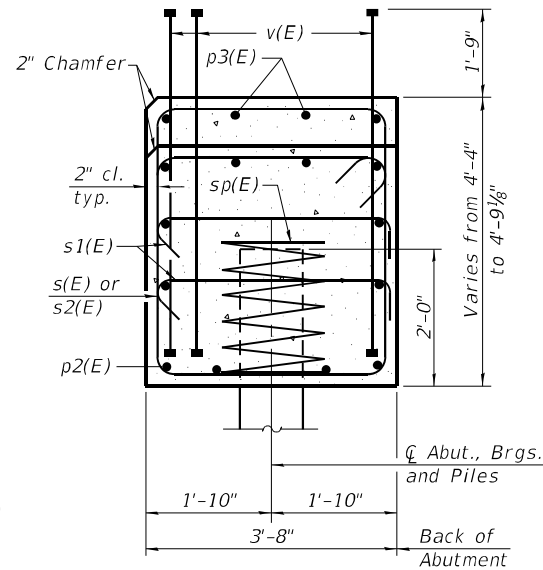
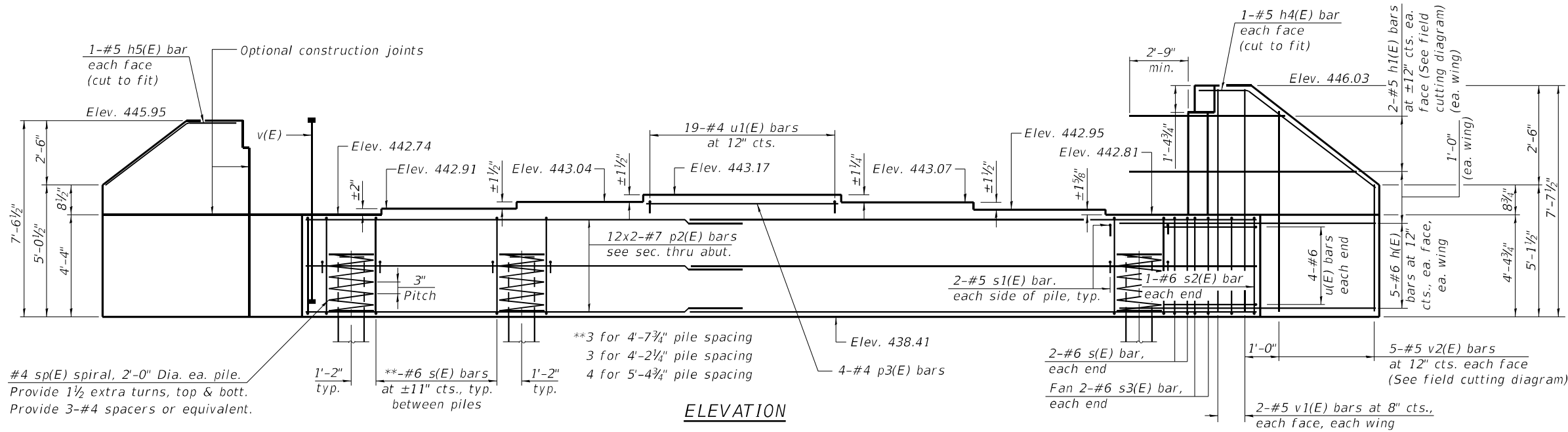


## BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	20	#6	9'-4"	
h1(E)	4	#5	16'-6"	
h2(E)	2	#5	6'-10"	
h3(E)	2	#5	6'-10"	
p(E)	24	#7	35'-2"	
p1(E)	4	#4	24'-9"	
s(E)	46	#6	16'-0"	
s1(E)	60	#5	4'-4"	
s2(E)	2	#6	16'-11"	
s3(E)	4	#6	9'-4"	
sp(E)	15	#4	2'-0"	
u(E)	8	#6	12'-6"	
u1(E)	26	#4	7'-4"	
v(E)	152	#8	6'-3"	
v1(E)	8	#5	7'-3"	
v2(E)	10	#5	11'-8"	
Structure Excavation			Cu. Yd.	210
Concrete Structures			Cu. Yd.	44.4
Reinforcement Bars, Epoxy Coated			Pound	7,360
Furnishing Steel Piles HP14x117			Foot	1,485
Driving Piles			Foot	1,485

\*Length is height of spiral

Notes:  
*Pour steps monolithically with cap.*  
*Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.*  
*For details of piles see sheet 29 of 31.*  
*For anchor bolt detail, see sheet 23 of 31.*



SEC. THRU ABUT.

Dimensions at right angles to abutment.

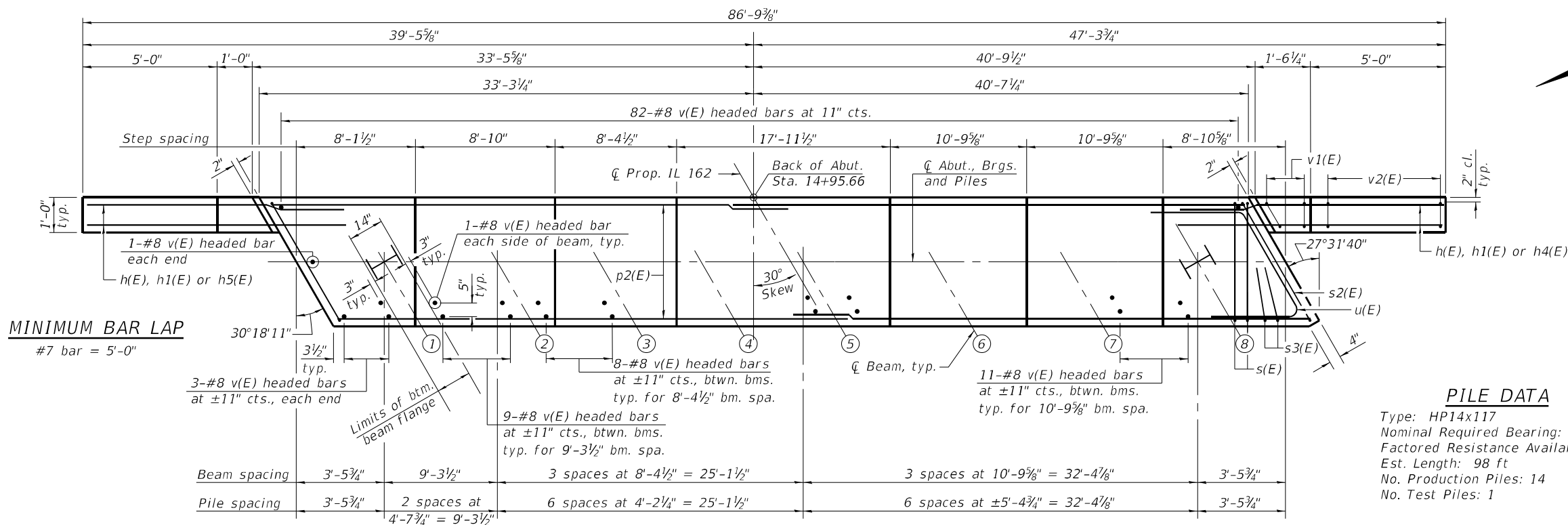
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	20	#6	9'-4"	
h1(E)	4	#5	16'-6"	
h4(E)	2	#5	6'-10"	
h5(E)	2	#5	6'-10"	
p2(E)	24	#7	39'-3"	
p3(E)	4	#4	17'-8"	
s(E)	52	#6	16'-0"	
s1(E)	60	#5	4'-4"	
s2(E)	2	#6	16'-11"	
s3(E)	4	#6	9'-4"	
* sp(E)	15	#4	2'-0"	
u(E)	8	#6	12'-6"	
u1(E)	19	#4	7'-4"	
v(E)	172	#8	6'-3"	
v1(E)	8	#5	7'-3"	
v2(E)	10	#5	11'-8"	
Structure Excavation			Cu. Yd.	231
Concrete Structures			Cu. Yd.	49.3
Reinforcement Bars, Epoxy Coated			Pound	7,980
Furnishing Steel Piles HP14x117			Foot	1,372
Driving Piles			Foot	1,372
Test Pile Steel HP14x117			Each	1

\*Length is height of spiral

Notes:

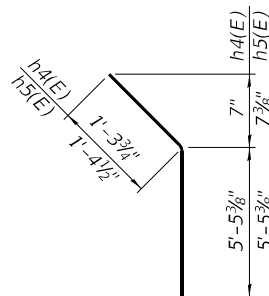
Pour steps monolithically with cap.  
Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.  
For details of piles see sheet 29 of 31.  
For anchor bolt detail, see sheet 23 of 31.  
For s(E), s1(E), s2(E) u(E) and u1(E) bar details, see sheet 25 of 31.  
For h1(E) and v2(E) filed cutting diagram, see sheet 25 of 31.



PLAN

PILE DATA

Type: HP14x117  
Nominal Required Bearing: 929 kips  
Factored Resistance Available: 492 kips  
Est. Length: 98 ft  
No. Production Piles: 14  
No. Test Piles: 1



BARS h4(E)  
& h5(E)



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PLOT DATE = 3/4/2024	CHECKED - LDG	REVISED

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EAST ABUTMENT  
STRUCTURE NO. 060-0241

SHEET NO. 26 OF 31 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
586	51-1R	MADISON	296	209
SN 060-0241		CONTRACT NO. 76A46		
ILLINOIS FED. AID PROJECT				

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
586	51-1R	MADISON	296	210
SN 060-0241		CONTRACT NO. 76A46		
ILLINOIS FED. AID PROJECT				

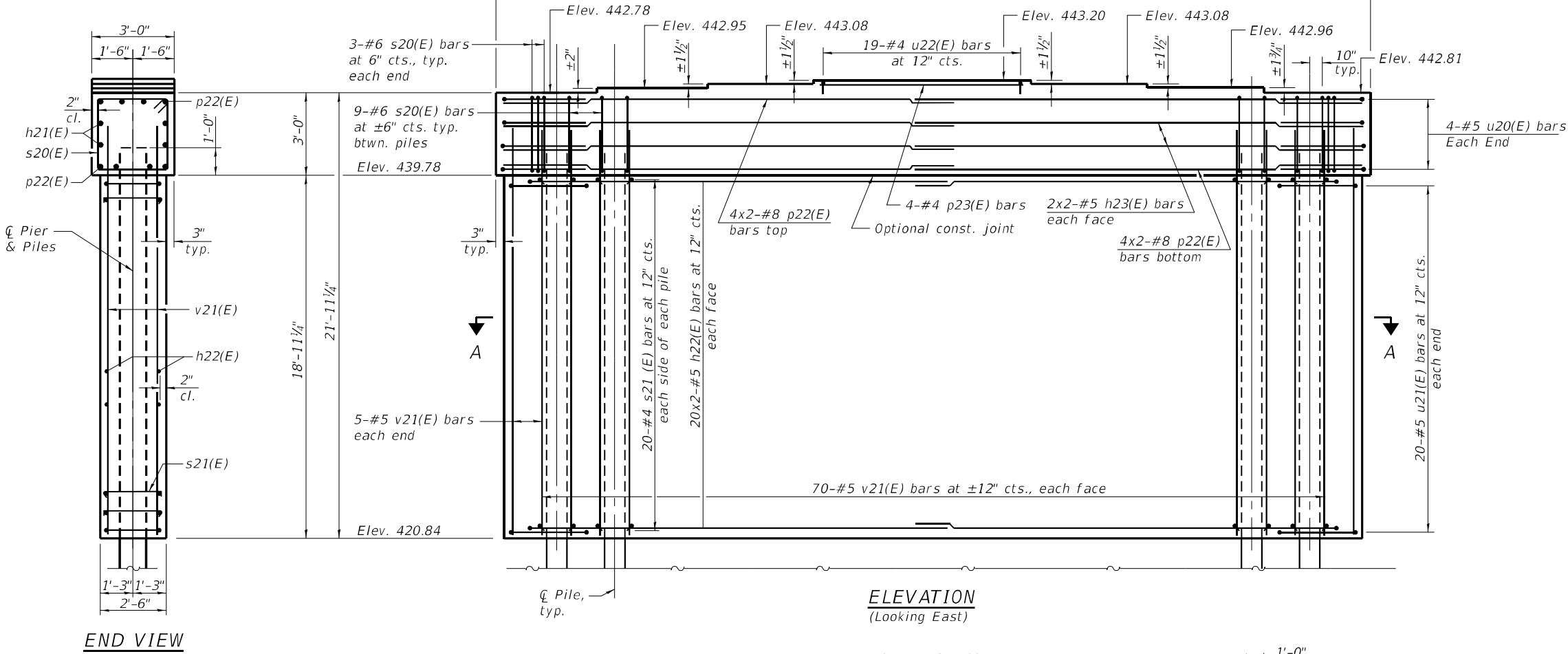
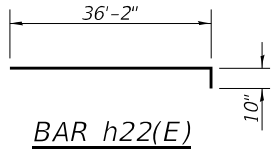
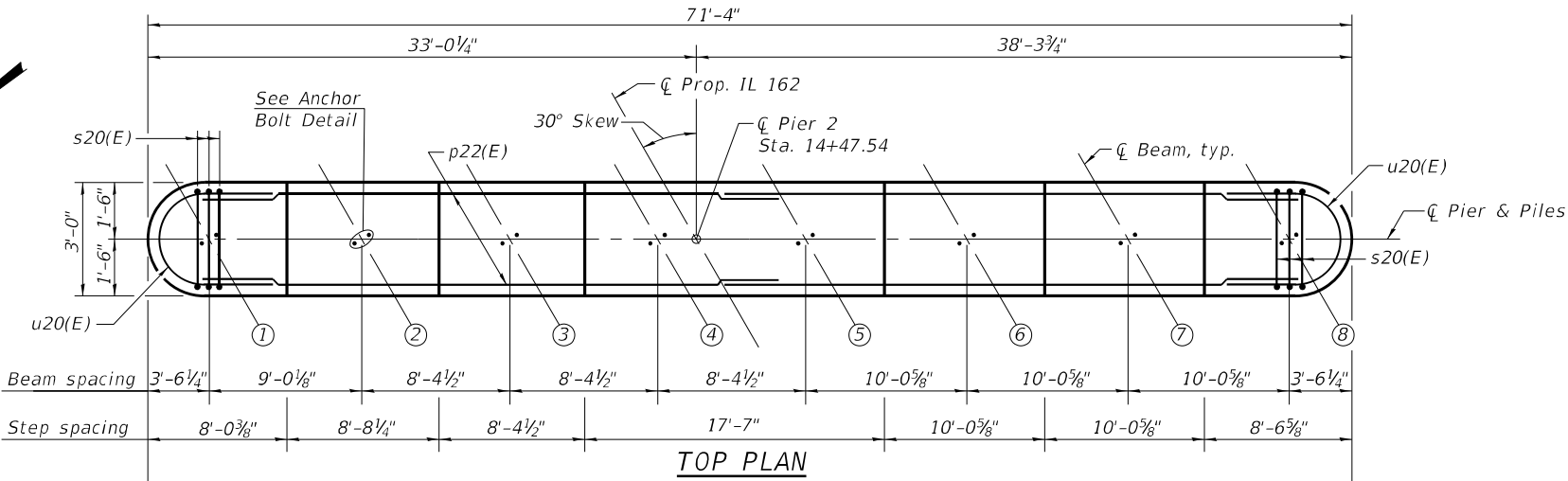
Notes:  
Space reinforcement in cap to miss anchor bolts.  
Pour steps monolithically with cap.  
For details of piles, see sheet 29 of 31.  
For anchor bolt detail, see sheet 23 of 31.  
For s20(E), s21(E), u20(E), u21(E) and u22(E) bar details, see sheet 27 of 31.

PILE DATA

Type: HP14x117  
Nominal Required Bearing: 929 kips  
Factored Resistance Available: 505 kips  
Est. Length: 98 ft.  
No. Production Piles: 13  
No. Test Piles: 0

MINIMUM BAR LAP

#5 bar = 3'-9" lap  
#8 bar = 5'-9" lap



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h22(E)	80	#5	37'-0"	—
h23(E)	8	#5	36'-2"	—
p22(E)	16	#8	37'-1"	—
p23(E)	4	#4	17'-3"	—
s20(E)	114	#6	12'-0"	□
s21(E)	520	#4	3'-3"	┌┐
u20(E)	8	#5	11'-9"	U
u21(E)	40	#5	10'-5"	U
u22(E)	19	#4	6'-8"	┌┐
v21(E)	150	#5	21'-2"	—
Cofferdam Excavation				Cu. Yd. 452
Cofferdam (Type 2) (Location-4)				Each 1
Concrete Structures				Cu. Yd. 153.8
Reinforcement Bars, Epoxy Coated				Pound 12,140
Furnishing Steel Piles, HP14x117				Foot 1,274
Driving Piles				Foot 1,274



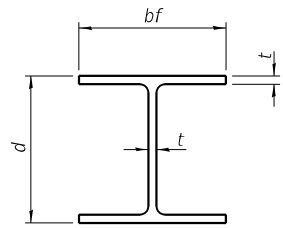
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PLOT DATE = 3/4/2024	CHECKED - LDG	REVISED

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PIER 2 DETAILS  
STRUCTURE NO. 060-0241

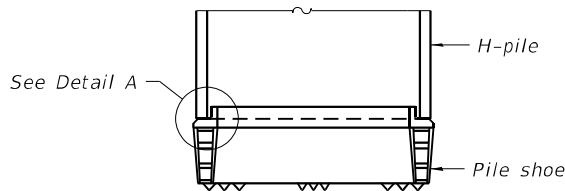
SHEET NO. 28 OF 31 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
586	51-1R	MADISON	296	211
SN 060-0241		CONTRACT NO. 76A46		
ILLINOIS FED. AID PROJECT				

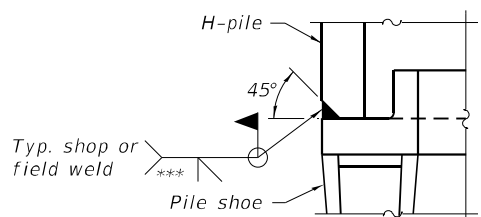


STEEL PILE TABLE

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



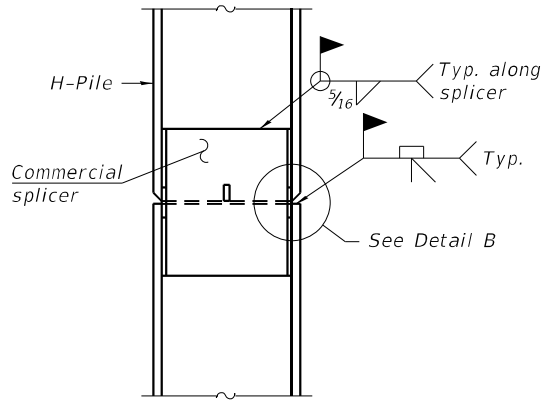
ELEVATION



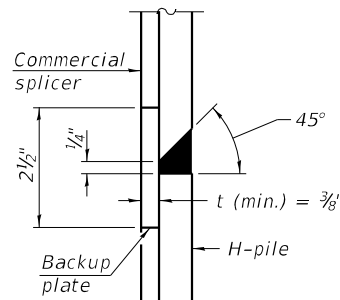
DETAIL A

SHOE ATTACHMENT

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

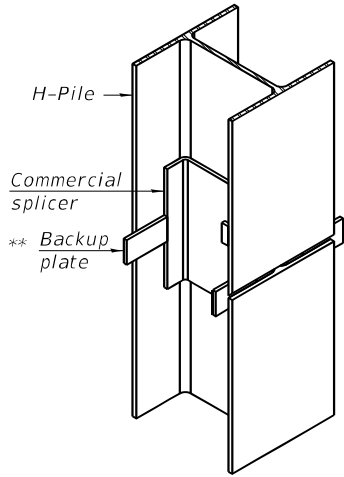


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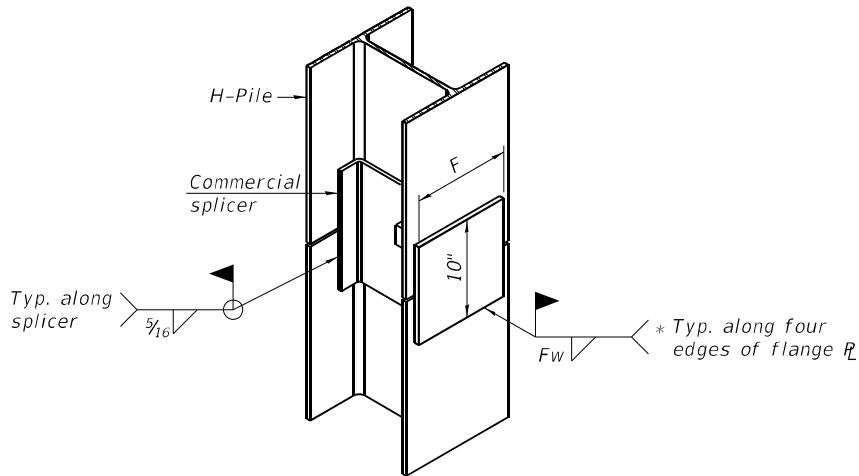


DETAIL "B"

WELDED COMMERCIAL SPLICE



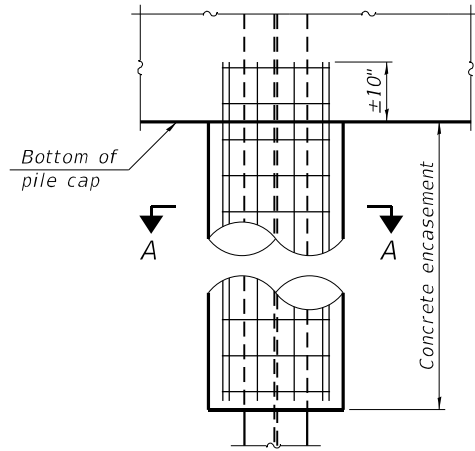
ISOMETRIC VIEW



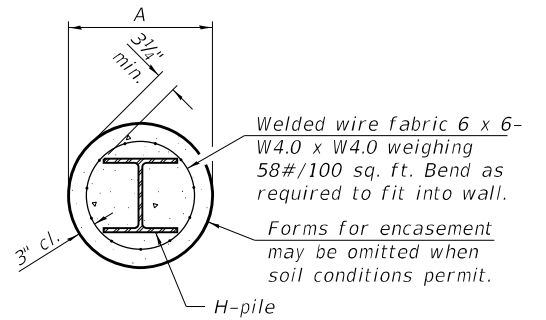
ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE ALTERNATE

- \* Interrupt welds 1/4" from end of web and/or each flange.  
\*\* Remove portions of backup plates that extend outside the flanges.  
\*\*\* Weld size per pile shoe manufacturer (5/16" min.).

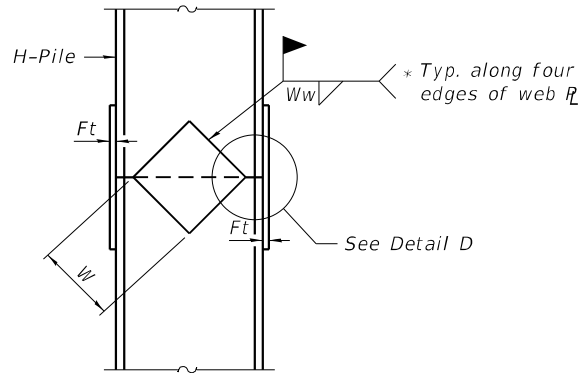


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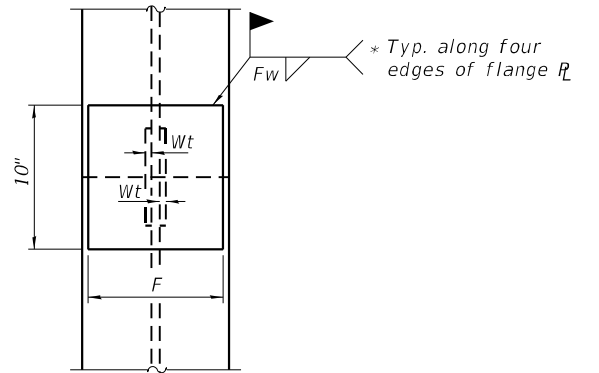


SECTION A-A

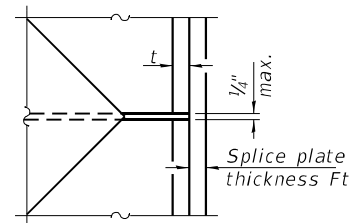
INDIVIDUAL PILE  
CONCRETE ENCASEMENT  
(when specified)



ELEVATION



END VIEW



DETAIL D

WELDED PLATE FIELD SPLICE

Designation	F	Ft	Fw	W	Wt	Ww
HP 14x117	12 1/2"	1"	7/8"	7 3/4"	5/8"	1/2"
x102	12 1/2"	7/8"	3/4"	7 3/4"	5/8"	1/2"
x89	12 1/2"	3/4"	1 1/16"	7 3/4"	5/8"	1/2"
x73	12 1/2"	5/8"	9/16"	7 3/4"	5/8"	1/2"
HP 12x84	10"	7/8"	1 1/16"	6 1/2"	5/8"	1/2"
x74	10"	7/8"	1 1/16"	6 1/2"	5/8"	1/2"
x63	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
x53	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
HP 10x57	8"	3/4"	9/16"	5 1/4"	1/2"	3/8"
x42	8"	5/8"	9/16"	5 1/4"	1/2"	3/8"
HP 8x36	7"	5/8"	7/16"	4 1/4"	1/2"	3/8"

F-HP

5-15-2023



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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

HP PILE DETAILS  
STRUCTURE NO. 0241

SHEET NO. 29 OF 31 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
586	51-1R	MADISON	296	212
SN 060-0241		CONTRACT NO. 76A46		
ILLINOIS FED. AID PROJECT				





## SOIL BORING LOG

**Date** 03/03/22

**COUNTY** Madison **DRILLING METHOD** CME 550 w/HSA and Mud Rotary **HAMMER TYPE** Automatic

Brown SILTY CLAY LOAM (A-6), trace roots, medium stiff					Brown fine SAND (A-3), loose			
	436.5	2 4 3	1.5 P	27		416.5	3 1 3	0.5 P
Brown SILTY LOAM (A-4), moist, medium stiff					Grayish Brown SILTY CLAY LOAM (A-6), moist, soft			34
		2 1 -5	0.2 S/10%	20		415.0	5 7 11	NC
Becomes soft	432.5				Brown fine SAND (A-3), wet, medium dense			NC
Brown SILTY CLAY LOAM (A-6), moist, soft		1 2 1	0.3 S/10%	28		412.5	7 5 8	2.0 P
	430.0				Gray SILTY LOAM (A-4) w/ clay deposits, moist, stiff			23
Brown SILTY LOAM (A-4), moist, soft		1 2 -10	0.2 S/10%	29			5 6 -30	1.5 P
Percentage finer than #200 test performed (22.6% finer)								20
Brown with Gray SILTY CLAY LOAM (A-6), very moist, very soft	427.5	WOH 1 1	<0.25 P	27		406.0		
Percentage finer than #200 test performed (24.7% finer)					Gray fine SAND (A-3), wet, medium dense			
		WOH 2 -15	0.3 B/20%	31			8 10 -38	NC
Atterberg Limits and Percentage finer than #200 test performed (25.1% passing #200, LL=35, PI=31)								20
Becomes gray with brown, moist and soft		WOH WOH 1	0.2 B/20%	33		401.0		
Becomes grayish brown					Brown SILTY CLAY LOAM (A-6), moist, stiff			
		1 2 -20	0.5 B/20%	36			6 4 -40	1.3 S/15%
	418.0							23

## SOIL BORING LOG

**Date** 03/03/22

**COUNTY** Madison **DRILLING METHOD** CME 550 w/HSA and Mud Rotary **HAMMER TYPE** Automatic

[illegible]

## SOIL BORING LOG

**Date** 03/03/22

**COUNTY** Madison **DRILLING METHOD** CME 550 w/HSA and Mud Rotary **HAMMER TYPE** Automatic

Depth (ft)	Soil Description	Moisture (%)	Specific Gravity (G)	Notes
0	Gray CLAY (A-7), moist, stiff			
5		6	1.0	
6		6	8/20%	22
85				
350.5	Gray CLAYEY SHALE, hard			13
349.0		35		13
		50/3"		
	Sampler Refusal at 80 feet.	50/1"		
	Borehole grouted upon completion.	50/4"		
90				
95				
100				



**LOCHMUELLER  
GROUP**  
1928 SrA Bradley R. Smith Drive  
Troy, IL 62294  
PHONE: 618.667.1400

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

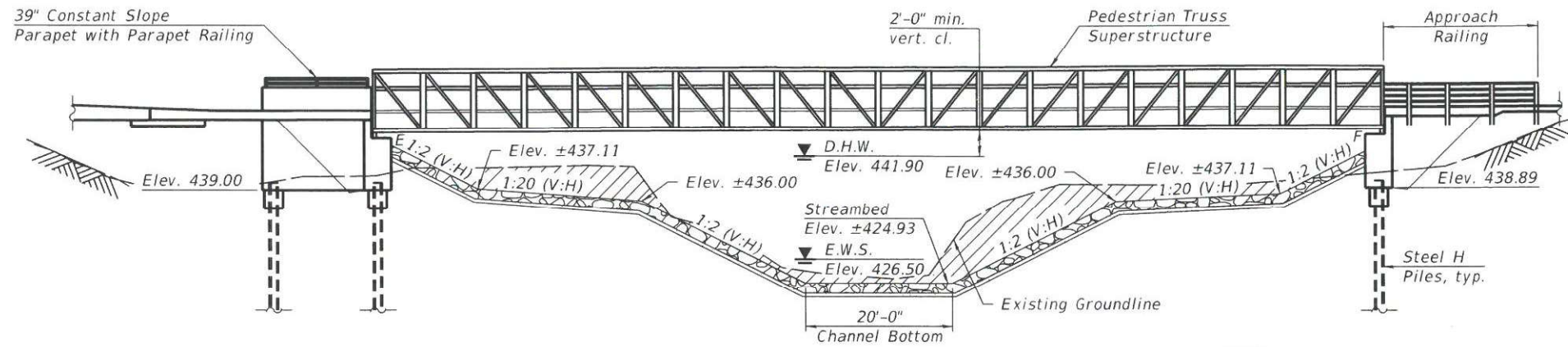
**SOIL BORINGS**  
**STRUCTURE NO. 060-0241**

SHEET NO. 31 OF 31 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
586	51-1R	MADISON	296	214
SN 060-0241		CONTRACT NO. 76A46		
ILLINOIS FED. AID PROJECT				

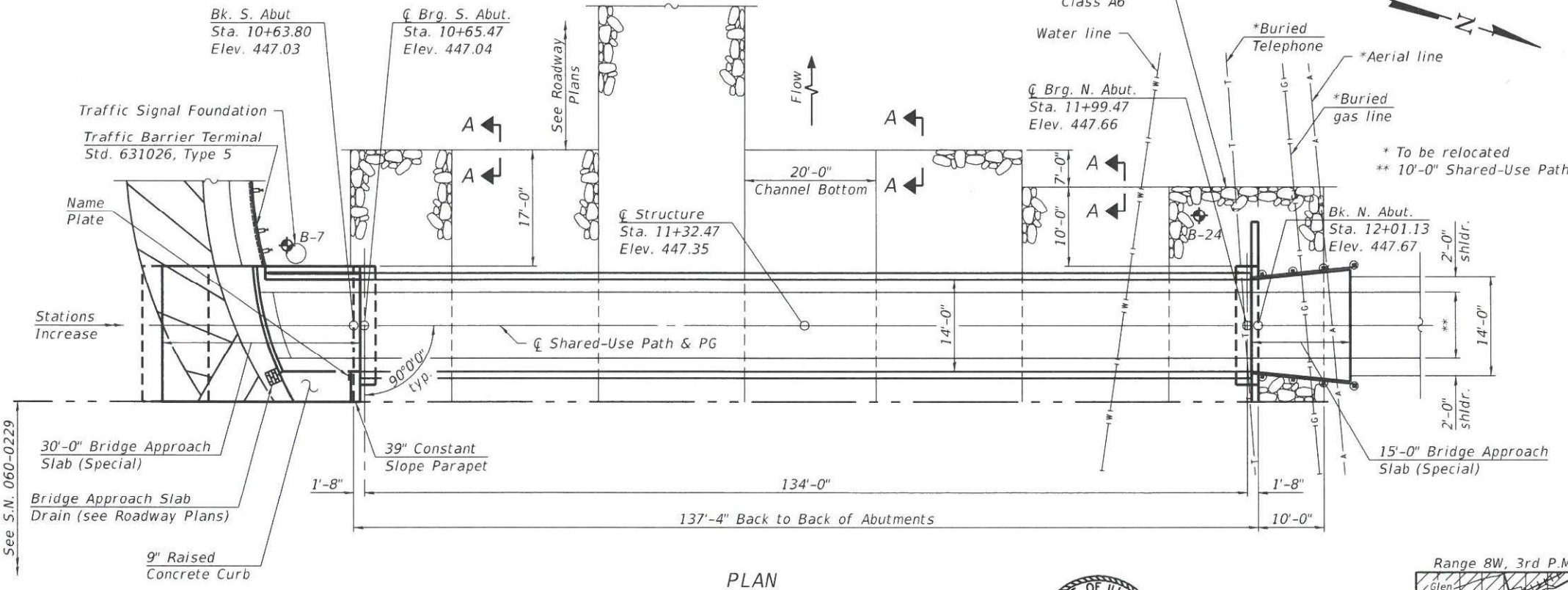
Benchmark: Cut "□", with +, on top of parapet wall at Northwest corner of IL-157 Bridge over Judys Branch (S.N. 060-0087). Elev. 449.226.

Existing Structure: None.



ELEVATION

**KEY**  
Denotes Channel Excavation (See Roadway Plans)



PLAN

Note:  
For Section A-A, see sheet 2 of 19.

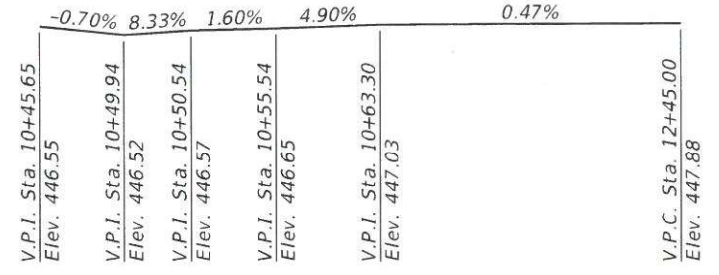
**APPROVED**  
For Structural Adequacy Only  
*Eric Lagemann*  
Engineer of Bridges & Structures



*Eric Lagemann* 4/17/24  
License Expires 11/30/24 Date



- INDEX OF SHEETS**
1. General Plan and Elevation
  2. General Data and Details
  3. Top of Slab Elevations
  4. Top of South Bridge Approach Slab Elevations
  5. Top of North Bridge Approach Slab Elevations
  - 6-8. South Bridge Approach Slab Details
  9. North Bridge Approach Slab Details
  10. Parapet Railing Details
  11. Approach Railing Details
  12. Pedestrian Truss Details
  - 13-14. South Abutment Details
  15. North Abutment Details
  16. Steel H-Pile Details
  - 17-19. Boring Logs



PROFILE GRADE  
(Along Shared-Use Path)

**LOADING H-10**  
Live Load = 90 psf uniform load

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

2009 AASHTO LRFD Guide Specifications For Design of Pedestrian Bridges

**DESIGN STRESSES**

**FIELD UNITS**  
f'c = 4,000 psi (Superstructure)  
f'c = 3,500 psi (Substructure)  
fy = 60,000 psi (Reinforcement)  
**PRE-ENGINEERED BRIDGE UNITS**  
fy = 50,000 psi (M270 Grade50W)

**SEISMIC DATA**  
Seismic Performance Zone (SPZ) = 2  
Design Spectral Acceleration at 1.0 sec. (SD1) = 0.23g  
Design Spectral Acceleration at 0.2 sec. (SDS) = 0.53g  
Soil Site Class = D

**GENERAL PLAN & ELEVATION**  
**SHARED-USE PATH OVER JUDYS BRANCH**  
**F.A.P. ROUTE 586**  
**SECTION 51-1R**  
**MADISON COUNTY**  
**STATION 11+32.47**  
**STRUCTURE NO. 060-7003**

**FUHRMANN**  
ENGINEERING  
WWW.FUHRMANN-ENG.COM

USER NAME	DESIGNED	A.H. Morinaga Mansilla	REVISED	
PLOT SCALE	CHECKED	E.M. Lagemann	REVISED	
PLOT DATE	DRAWN	A.H. Morinaga Mansilla	REVISED	
	CHECKED	E.M. Lagemann	REVISED	

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

SHEET 1 OF 19 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
51-1R		MADISON	296	215
CONTRACT NO. 76A46				

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Reinforcement bars designated (E) shall be epoxy coated.  
Slipforming of the parapets is not allowed.  
A film forming Concrete Sealer shall be applied to the horizontal surfaces of the bridge seats of both Abutments. A penetrating Concrete Sealer shall be applied to the exposed vertical surfaces of both abutments, including the backwall and front face of abutments. Concrete Sealers at the abutments shall be applied prior to setting bearings and beams.  
Granular Backfill behind the abutments shall be compacted according to Article 205.06 of the Standard Specifications.  
Bridge Deck Grooving shall be applied only to the roadway portion of the South Bridge Approach Slab.



Note:  
For location of section A-A, see sheet 1 of 19.

<u>TOTAL BILL OF MATERIAL</u>				
ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A6	Sq. Yd.			532
Filter Fabric	Sq. Yd.			563
Structure Excavation	Cu. Yd.		42	42
Concrete Structures	Cu. Yd.		39.6	39.6
Concrete Superstructure	Cu. Yd.	43.4		43.4
Bridge Deck Grooving	Sq. Yd.	34		34
Concrete Encasement	Cu. Yd.		8.6	8.6
Protective Coat	Sq. Yd.	317		317
Concrete Superstructure (Approach Slab)	Cu. Yd.	35.0		35.0
Reinforcement Bars, Epoxy Coated	Pound	12,980	5,270	18,250
Parapet Railing	Foot	13.3		13.3
Furnishing Steel Piles HP14x117	Foot		935	935
Driving Piles	Foot		935	935
Name Plates	Each			1
Granular Backfill For Structures	Cu. Yd.		91	91
Concrete Sealer	Sq. Ft.		127.3	127.3
Geocomposite Wall Drain	Sq. Yd.		44	44
Pipe Underdrains For Structures 4"	Foot		95	95
Pedestrian Truss Superstructure	Sq. Ft.	1,920.7		1,920.7
Wood Rail	Foot	32.0		32.0

STA. 11+32.47  
BUILT 202X BY  
STATE OF ILLINOIS  
F.A.P. Rt. 586 Sec. 51-1R  
LOADING H-10  
STR. NO. 060-7003

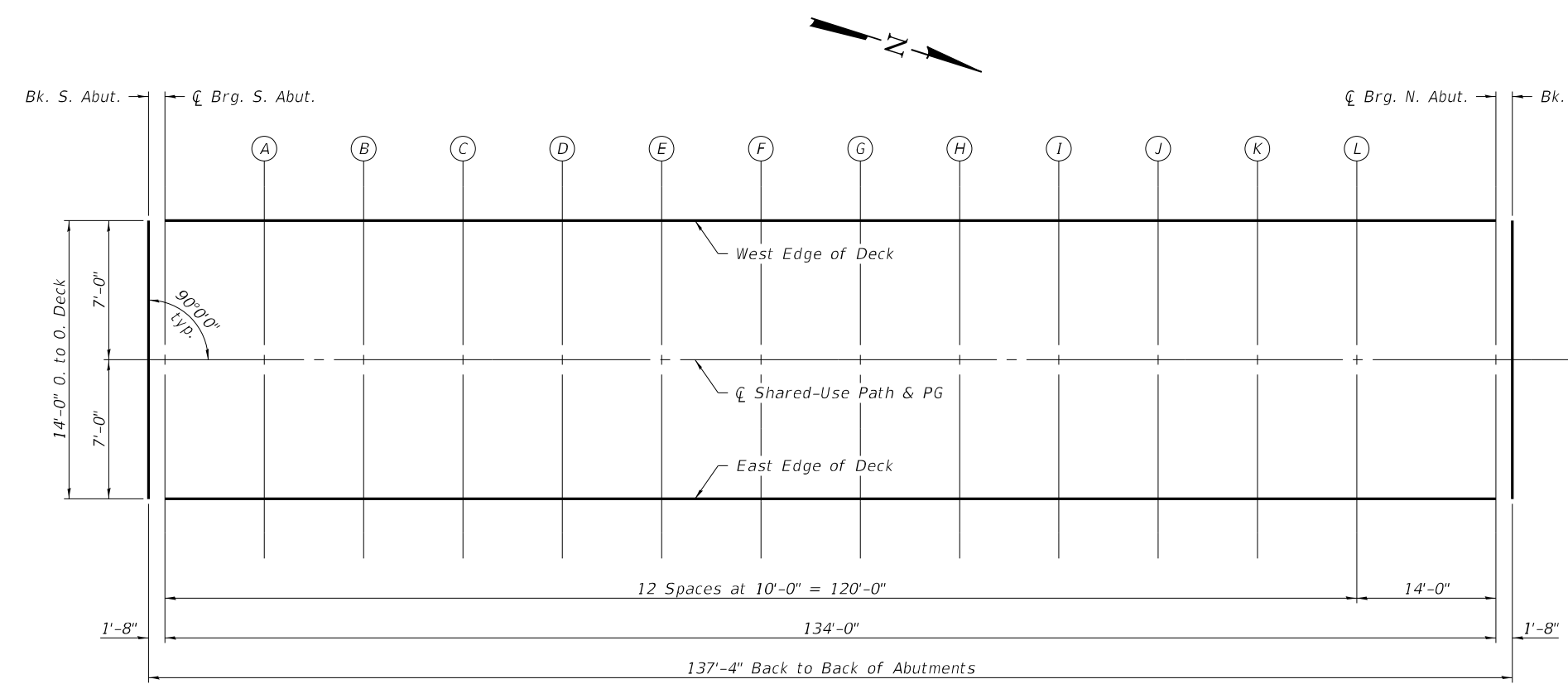
See Std. 515001

Drainage Area = 8.6 sq. mi.		Existing Overtopping Elev. = 445.83 at Sta. 582+50.00 Proposed Overtopping Elev. = 446.42 at Sta. 581+42.36							
Flood Event	Freq. Yr.	Discharge, Q C.F.S.	Waterway Opening - Ft <sup>2</sup>		Natural H.W.E. - Ft.	Head - Ft.		Headwater Elevation - Ft.	
			Existing	Proposed		Existing	Proposed	Existing	Proposed
Design	50	5750	883	1146	441.9	0.5	0.3	442.4	442.2
Base	100	6590	941	1214	442.4	1.5	0.4	443.9	442.8
Scour Design Check	200	7600	987	1287	443.0	1.3	0.6	444.3	443.7
Overtop Existing	N/A	---	---	---	---	---	---	---	---
Overtop Proposed	N/A	---	---	---	---	---	---	---	---
Max. Calc.	500	8920	998	1367	443.7	1.3	1.6	445.0	445.3

10 Year Velocity Through Existing Bridge = N/A  
10 Year Velocity Through Proposed Bridge = 4.46 ft/s

Event / Limit	Design Scour Elevations (ft.)		
State	S. Abut.	N. Abut.	Item 113
Q100	439.00	438.92	8
Q200	439.00	438.92	
Design	439.00	438.92	
Check	439.00	438.92	

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PLAN

Note:  
Prefabricated pedestrian truss manufacturer shall determine Theoretical Deck Elevations Adjusted for Dead Load Deflection and take into account the concrete deck when determining bridge camber.

WEST EDGE OF DECK			
Location	Station	Offset	Theoretical Grade Elevations
Bk. S. Abut.	10+63.80	-7.00	446.93
$\varnothing$ Brg. S. Abut.	10+65.47	-7.00	446.94
A	10+75.47	-7.00	446.98
B	10+85.47	-7.00	447.03
C	10+95.47	-7.00	447.08
D	11+05.47	-7.00	447.12
E	11+15.47	-7.00	447.17
F	11+25.47	-7.00	447.22
G	11+35.47	-7.00	447.26
H	11+45.47	-7.00	447.31
I	11+55.47	-7.00	447.36
J	11+65.47	-7.00	447.40
K	11+75.47	-7.00	447.45
L	11+85.47	-7.00	447.50
$\varnothing$ Brg. N. Abut.	11+99.47	-7.00	447.56
Bk. N. Abut.	12+01.13	-7.00	447.57

$\varnothing$ SHARED-USE PATH & PROFILE GRADE			
Location	Station	Offset	Theoretical Grade Elevations
Bk. S. Abut.	10+63.80	0.00	447.03
$\varnothing$ Brg. S. Abut.	10+65.47	0.00	447.04
A	10+75.47	0.00	447.09
B	10+85.47	0.00	447.13
C	10+95.47	0.00	447.18
D	11+05.47	0.00	447.23
E	11+15.47	0.00	447.27
F	11+25.47	0.00	447.32
G	11+35.47	0.00	447.37
H	11+45.47	0.00	447.42
I	11+55.47	0.00	447.46
J	11+65.47	0.00	447.51
K	11+75.47	0.00	447.56
L	11+85.47	0.00	447.60
$\varnothing$ Brg. N. Abut.	11+99.47	0.00	447.67
Bk. N. Abut.	12+01.13	0.00	447.68

EAST EDGE OF DECK			
Location	Station	Offset	Theoretical Grade Elevations
Bk. S. Abut.	10+63.80	7.00	447.14
$\varnothing$ Brg. S. Abut.	10+65.47	7.00	447.15
A	10+75.47	7.00	447.19
B	10+85.47	7.00	447.24
C	10+95.47	7.00	447.29
D	11+05.47	7.00	447.33
E	11+15.47	7.00	447.38
F	11+25.47	7.00	447.43
G	11+35.47	7.00	447.47
H	11+45.47	7.00	447.52
I	11+55.47	7.00	447.57
J	11+65.47	7.00	447.61
K	11+75.47	7.00	447.66
L	11+85.47	7.00	447.71
$\varnothing$ Brg. N. Abut.	11+99.47	7.00	447.77
Bk. N. Abut.	12+01.13	7.00	447.78

WEST EDGE OF APPROACH SLAB

Location	Station	Offset	Theoretical Grade Elevations
S. End S. Appr. Slab	10+34.80	-9.00	446.35
A	10+39.80	-9.00	446.38
B	10+42.75	-9.00	446.39
C	10+48.54	-9.00	446.42
D	10+49.12	-9.00	446.46
E	10+55.54	-9.00	446.52
F	10+59.80	-9.00	446.72
N. End S. Appr. Slab	10+64.80	-9.00	446.90

INSIDE FACE OF PARAPET

Location	Station	Offset	Theoretical Grade Elevations
S. End S. Appr. Slab	10+34.80	-7.00	446.39
A	10+39.80	-7.00	446.41
B	10+43.27	-7.00	446.43
C	10+48.69	-7.00	446.45
D	10+49.27	-7.00	446.49
E	10+55.54	-7.00	446.55
F	10+59.80	-7.00	446.75
N. End S. Appr. Slab	10+64.80	-7.00	446.93

CL SHARED-USE PATH & PROFILE GRADE

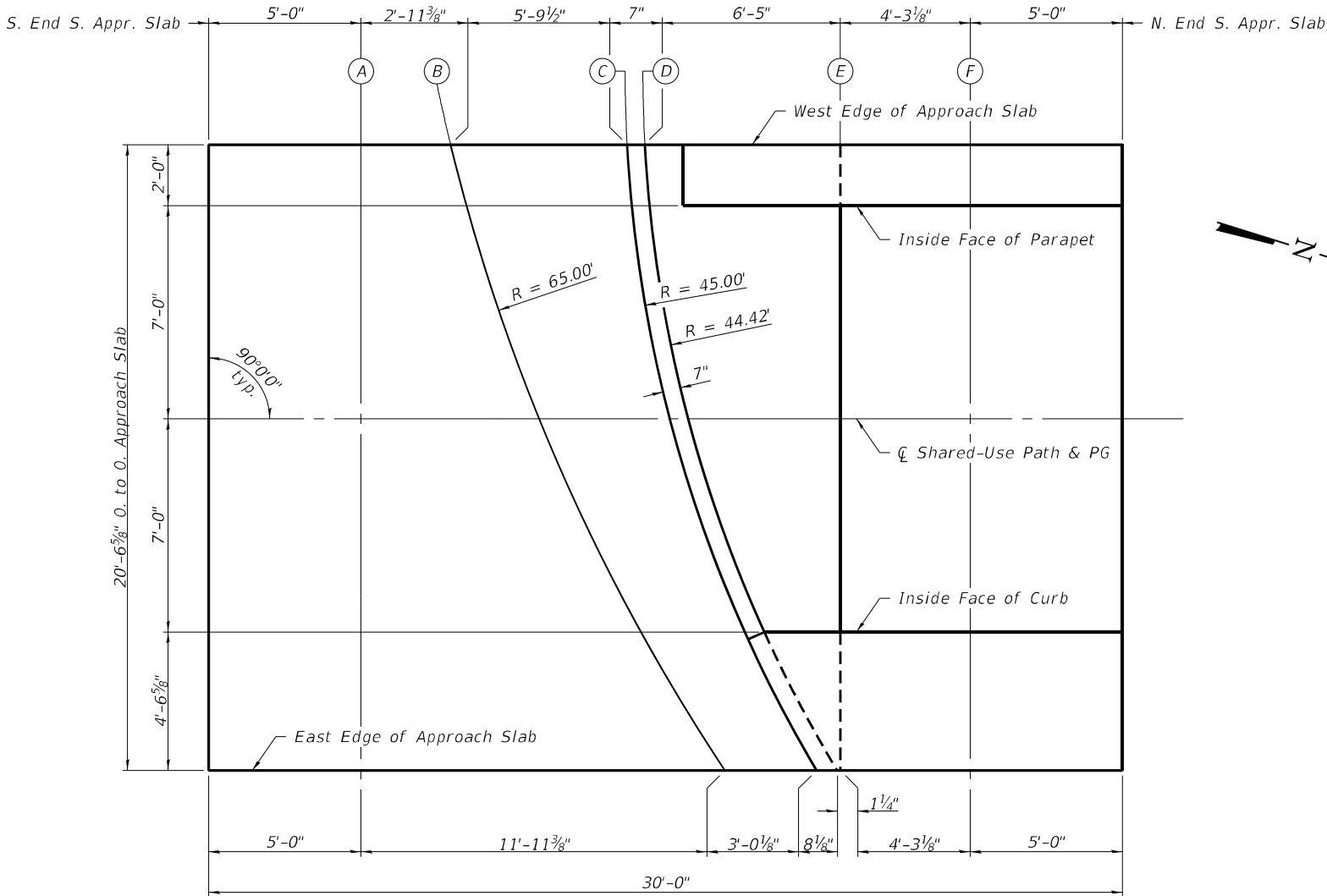
Location	Station	Offset	Theoretical Grade Elevations
S. End S. Appr. Slab	10+34.80	0.00	446.47
A	10+39.80	0.00	446.51
B	10+45.65	0.00	446.55
C	10+49.94	0.00	446.52
D	10+50.54	0.00	446.57
E	10+55.54	0.00	446.65
F	10+59.80	0.00	446.86
N. End S. Appr. Slab	10+64.80	0.00	447.04

INSIDE FACE OF CURB

Location	Station	Offset	Theoretical Grade Elevations
S. End S. Appr. Slab	10+34.80	7.00	446.51
A	10+39.80	7.00	446.53
B	10+48.99	7.00	446.58
C	10+52.40	7.00	446.54
D	10+53.04	7.00	446.58
E	10+55.54	7.00	446.76
F	10+59.80	7.00	446.96
N. End S. Appr. Slab	10+64.80	7.00	447.14

EAST EDGE OF APPROACH SLAB

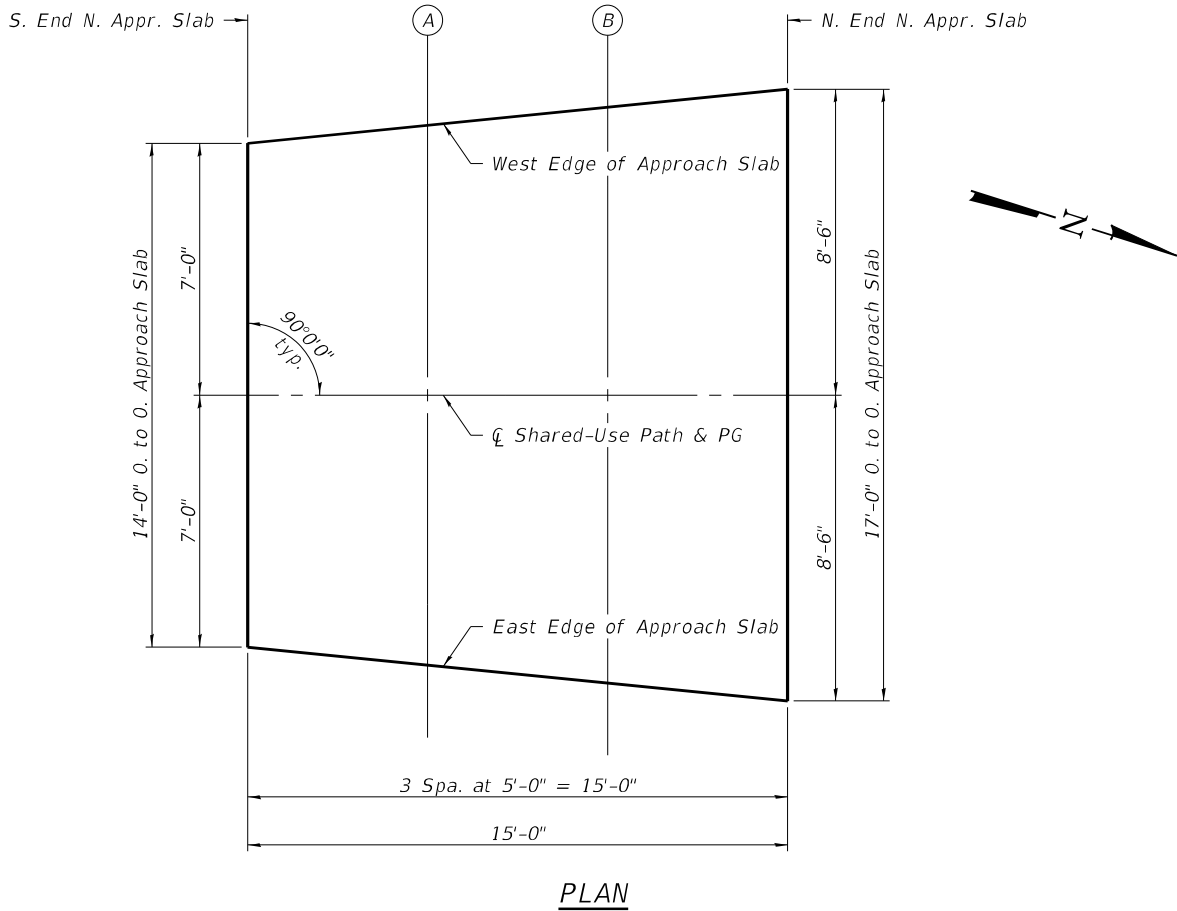
Location	Station	Offset	Theoretical Grade Elevations
S. End S. Appr. Slab	10+34.80	11.55	446.53
A	10+39.80	11.55	446.55
B	10+51.75	11.55	446.59
C	10+54.76	11.55	446.55
D	10+55.44	11.55	446.59
E	10+55.54	11.55	446.76
F	10+59.80	11.55	446.96
N. End S. Appr. Slab	10+64.80	11.55	447.14



PLAN

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WEST EDGE OF APPROACH SLAB

Location	Station	Offset	Theoretical Grade Elevations
S. End N. Aprpr. Slab	12+00.13	-7.00	447.57
A	12+05.13	-7.50	447.58
B	12+10.13	-8.00	447.60
N. End N. Aprpr. Slab	12+15.13	-8.50	447.62

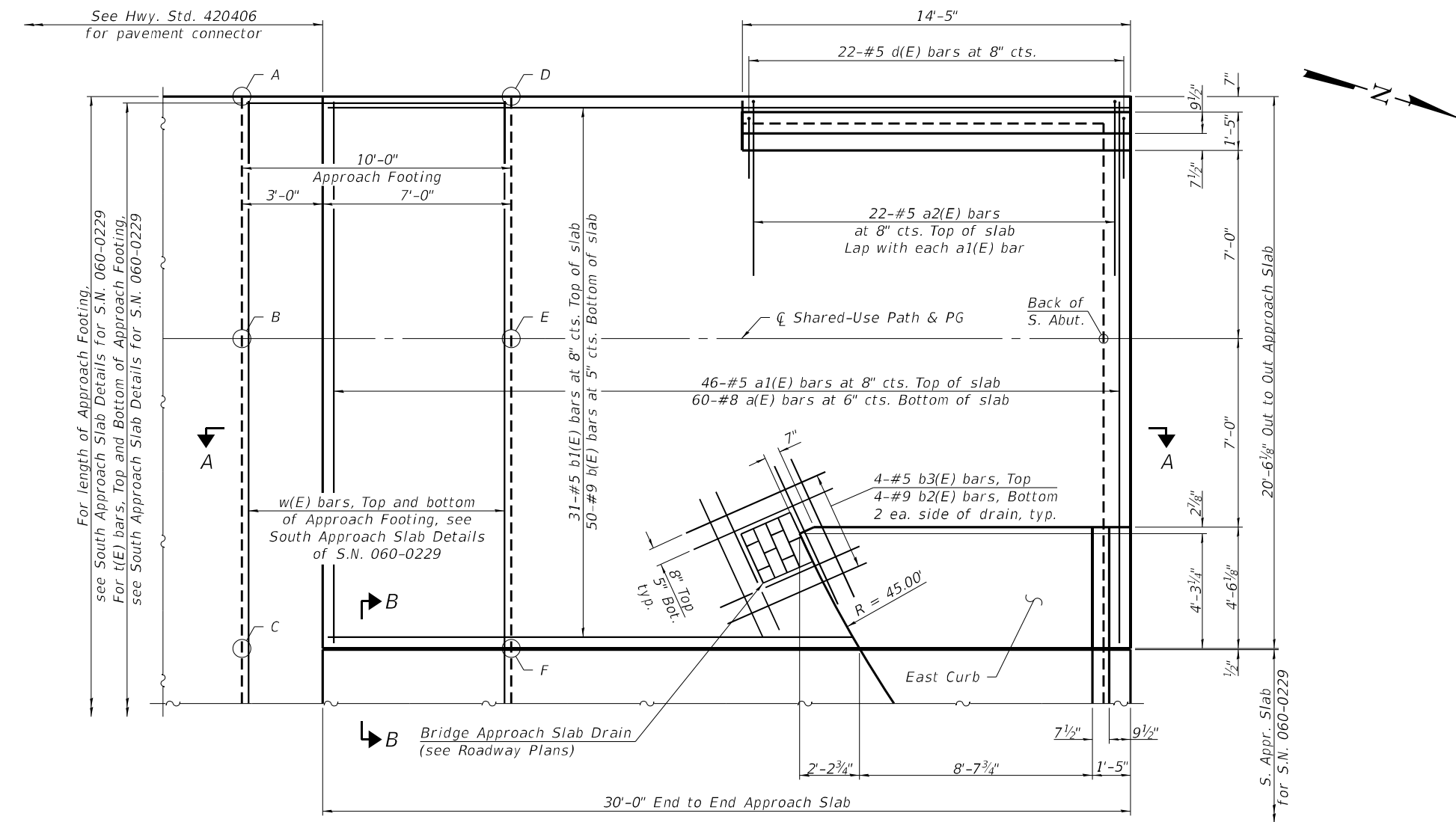
CL SHARED-USE PATH & PROFILE GRADE

Location	Station	Offset	Theoretical Grade Elevations
S. End N. Aprpr. Slab	12+00.13	0.00	447.67
A	12+05.13	0.00	447.70
B	12+10.13	0.00	447.72
N. End N. Aprpr. Slab	12+15.13	0.00	447.74

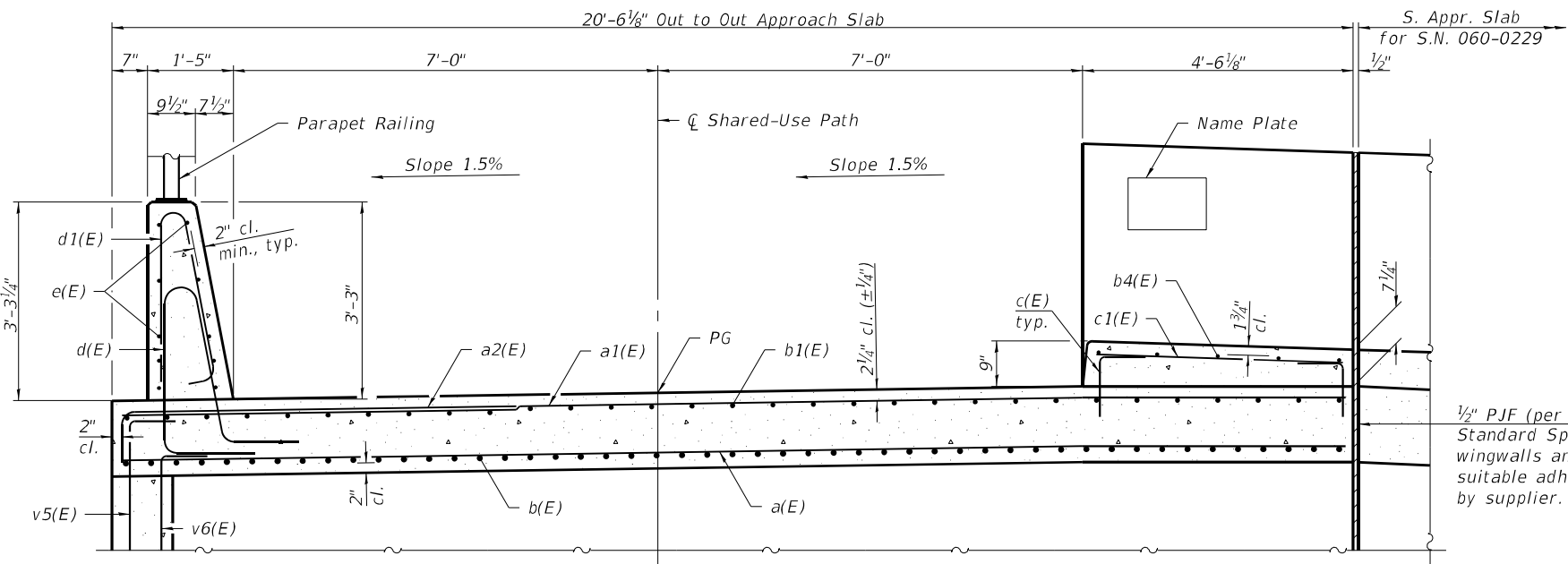
EAST EDGE OF APPROACH SLAB

Location	Station	Offset	Theoretical Grade Elevations
S. End N. Aprpr. Slab	12+00.13	7.00	447.78
A	12+05.13	7.50	447.81
B	12+10.13	8.00	447.84
N. End N. Aprpr. Slab	12+15.13	8.50	447.87

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PLAN

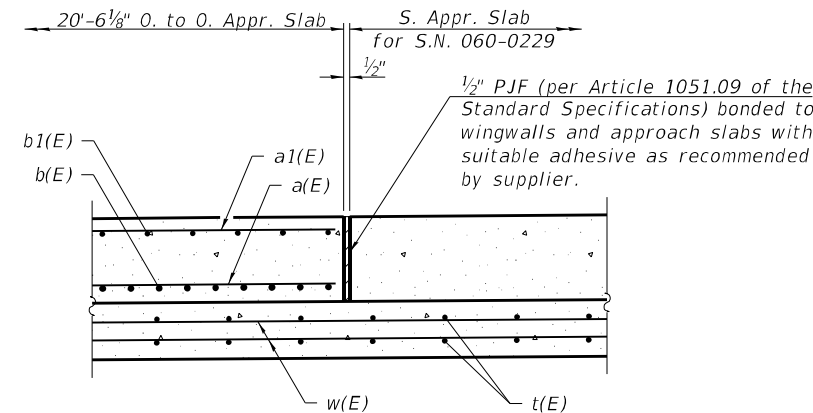


CROSS SECTION - NEAR ABUTMENT  
(Looking North)

TOP AND BOTTOM ELEVATIONS  
FOR APPROACH FOOTING

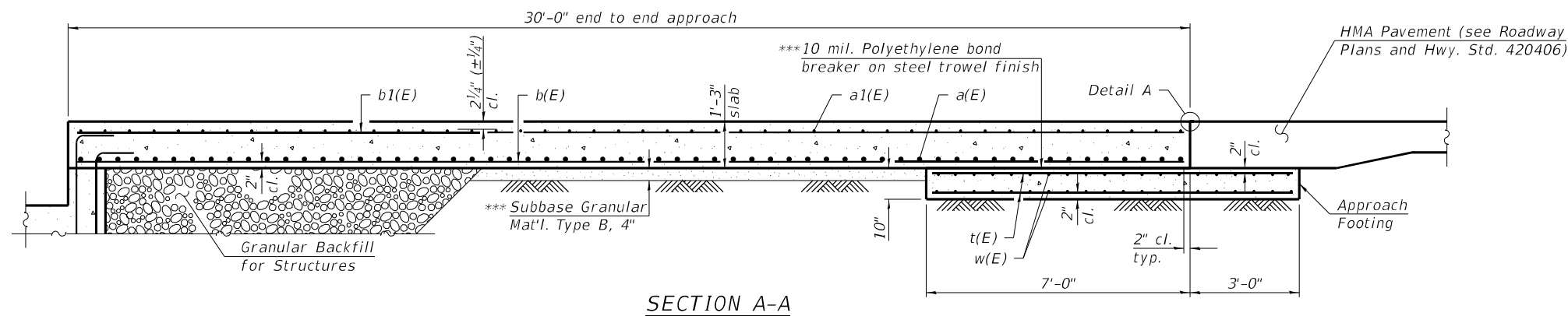
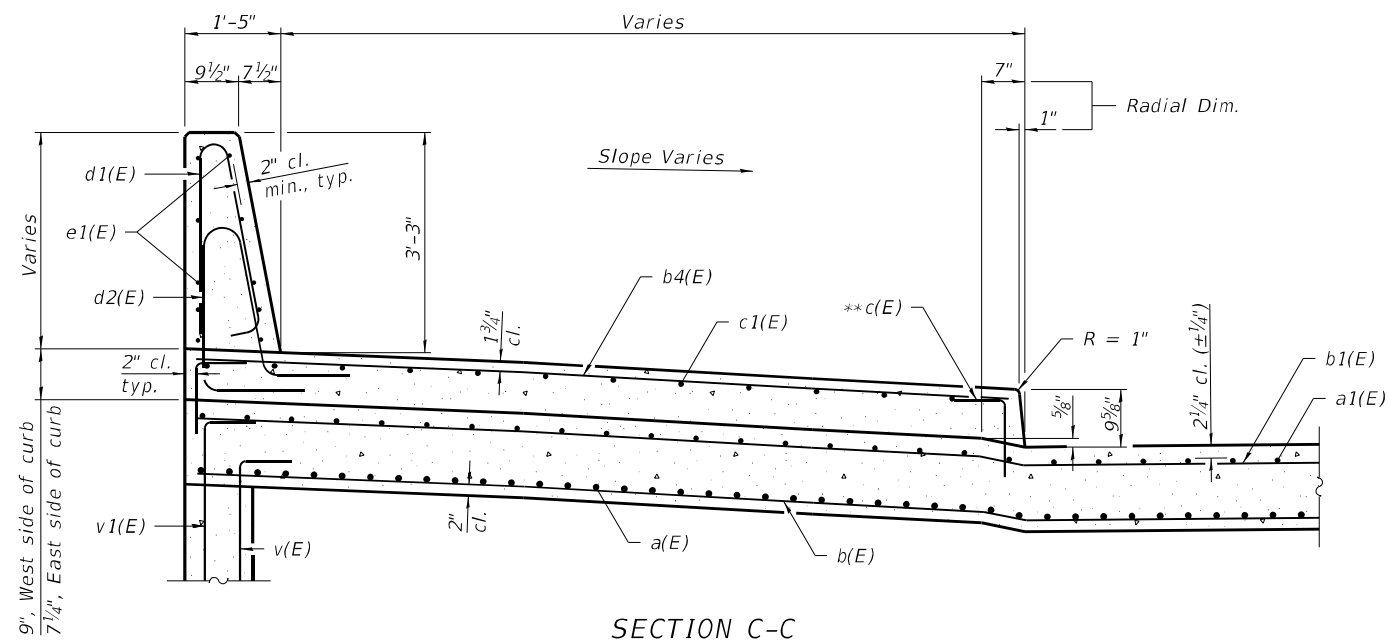
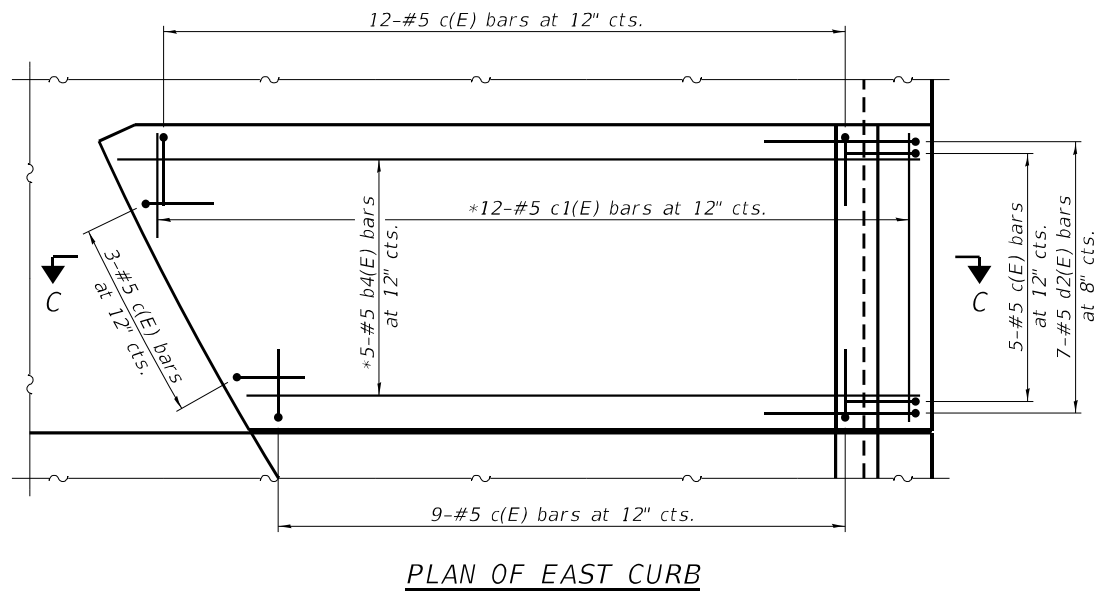
Point/ Location	Station	Offset	Top	Bottom
A	10+31.80	-9.00 ft.	445.09	444.26
B	10+31.80	0.00 ft.	445.20	444.37
C	10+31.80	11.55 ft.	445.27	444.44
D	10+41.80	-9.00 ft.	445.14	444.31
E	10+41.80	0.00 ft.	445.27	444.44
F	10+41.80	11.55 ft.	445.30	444.47

Notes:  
Longitudinal and Transverse reinforcement shall be field cut around the Bridge Approach Slab Drain. A minimum clearance of 2" shall be provided.  
The Approach Footing is a continuous footing supporting the South Approach Slabs of both this structure and S.N. 060-0229. See S.N. 060-0229 plans for reinforcement and concrete quantities, and Approach Footing dimensions.  
Reinforcement details for the East Curb and Parapet not shown for clarity.  
For Plan of East Curb, see sheet 7 of 19.  
For Section A-A, see sheet 7 of 19.

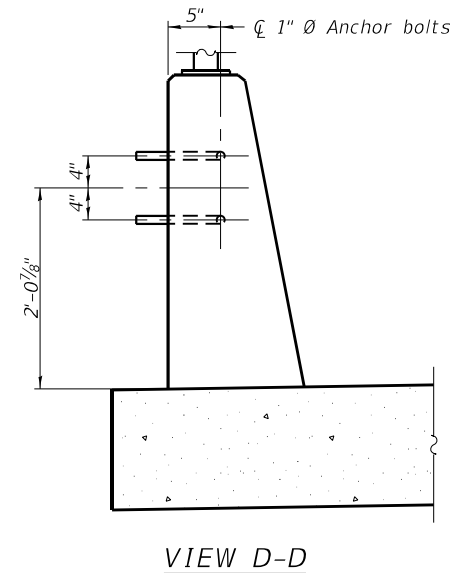
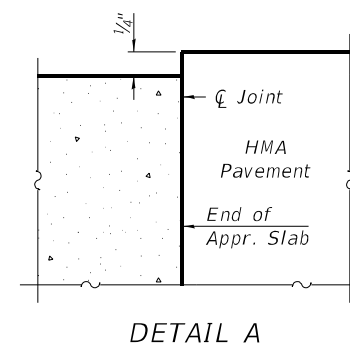
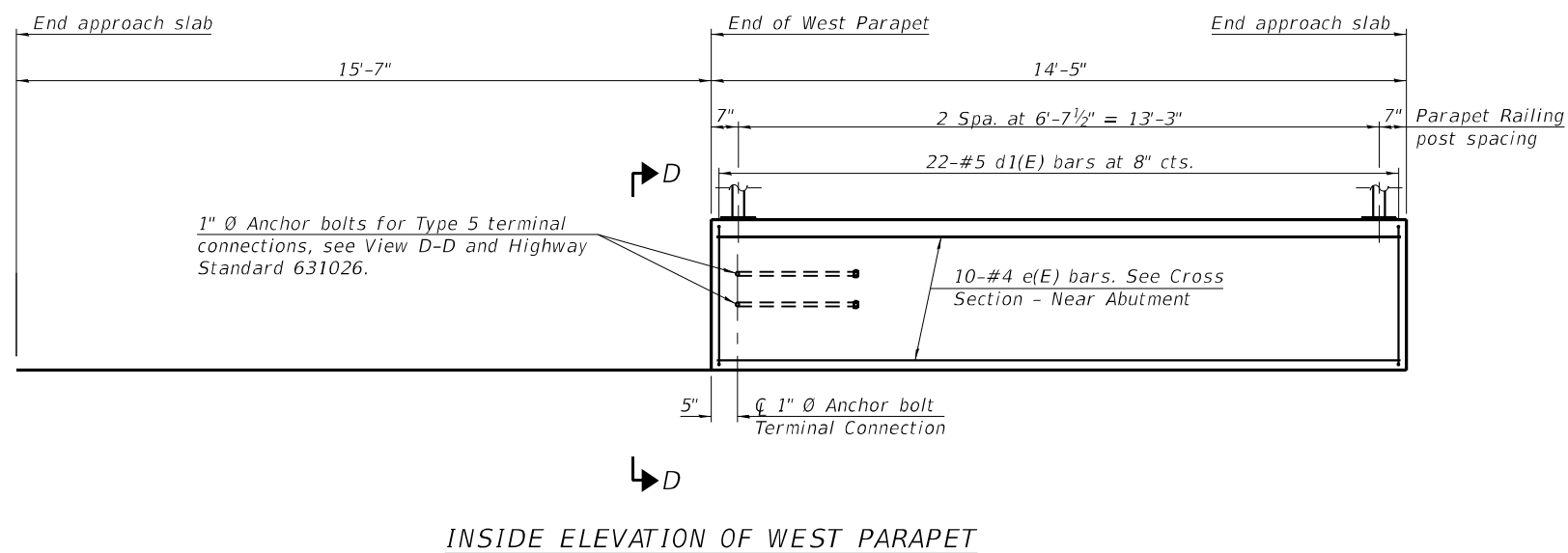


SECTION B-B





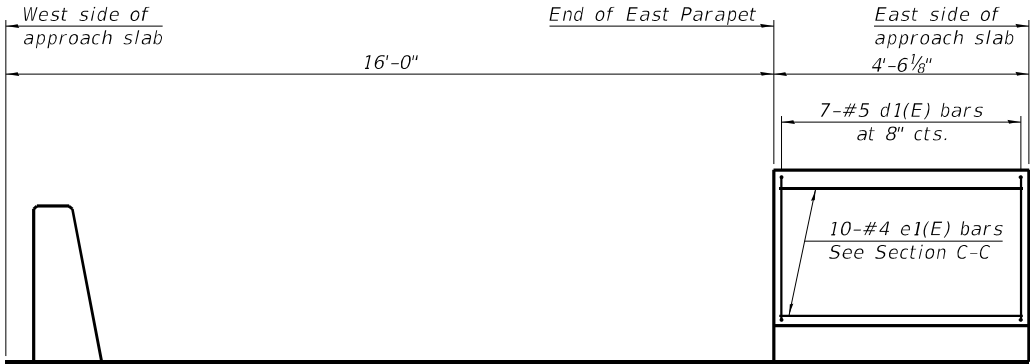
- \* Field cut b4(E) bars and c1(E) bars to fit curve of curb.
- \*\* Drill and set #5 c(E) bar according to Article 509.06 of the Standard Specifications. Drilled holes shall be roughened or scored per manufacturer's recommendation. Hole depth shall be deep enough to provide 1 3/4" clearance to top of c(E) bar and top of curb, with a minimum hole depth of 6". Locate Longitudinal bars to miss drilled holes. Locate drilled holes to miss Transverse bars in appr. slab.
- \*\*\* Cost included with Concrete Superstructure (Approach Slab).



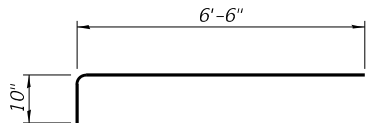
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USER NAME =	DESIGNED - E.M. Lagemann	REVISED -
PLOT SCALE =	CHECKED - A.H. Morinaga Mansilla	REVISED -
PLOT DATE =	DRAWN - E.M. Lagemann	REVISED -
	CHECKED - A.H. Morinaga Mansilla	REVISED -

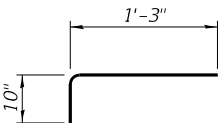
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1	51-1R	MADISON	296	221
CONTRACT NO. 76A46				
ILLINOIS FED. AID PROJECT				



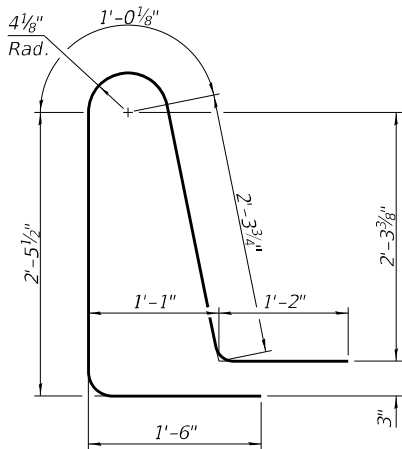
INSIDE ELEVATION OF EAST PARAPET



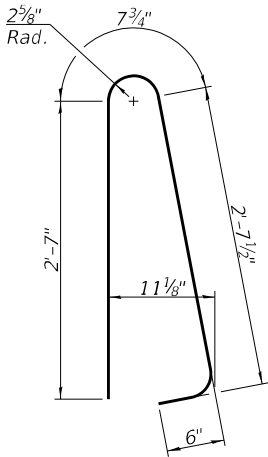
BAR a2(E)



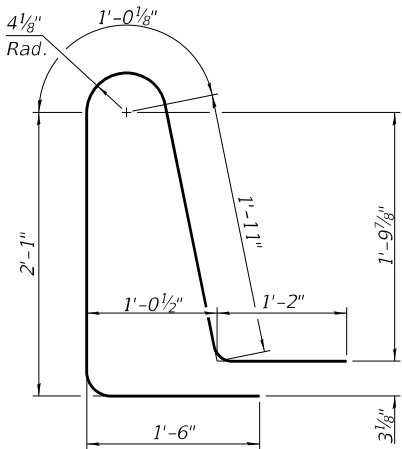
BAR c(E)



BAR d(E)



BAR d1(E)



BAR d2(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	60	#8	20'-2"	=====
a1(E)	46	#5	20'-2"	=====
a2(E)	22	#5	7'-4"	=====
b(E)	50	#9	29'-8"	=====
b1(E)	31	#5	29'-8"	=====
b2(E)	8	#9	5'-8"	=====
b3(E)	8	#5	5'-8"	=====
b4(E)	5	#5	12'-0"	=====
c(E)	29	#5	2'-1"	=====
c1(E)	12	#5	4'-2"	=====
d(E)	22	#5	8'-6"	=====
d1(E)	29	#5	6'-5"	=====
d2(E)	7	#5	7'-8"	=====
e(E)	10	#4	14'-1"	=====
e1(E)	10	#4	4'-2"	=====
Concrete Superstructure			Cu. Yd.	5.8
Bridge Deck Grooving			Sq. Yd.	34
Concrete Superstructure (Approach Slab)			Cu. Yd.	28.5
Reinforcement Bars, Epoxy Coated			Pound	11,320

Notes:

Parapet and curb concrete shall be paid for as Concrete Superstructure.

Approach slab shall be paid for as Concrete Superstructure (Approach Slab).

Approach footing concrete shall be paid for as Concrete Structures. Quantity is included in S.N. 060-0229 plans.

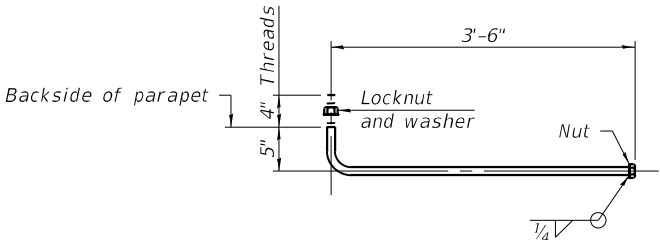
Approach footing reinforcement quantity is included in S.N. 060-0229 plans.

The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.

Cost of excavation for approach footing included with Concrete Structures.

Quantity is included in S.N. 060-0229 plans.

For Granular Backfill for Structures and drainage treatment details, see sheet 2 of 19.



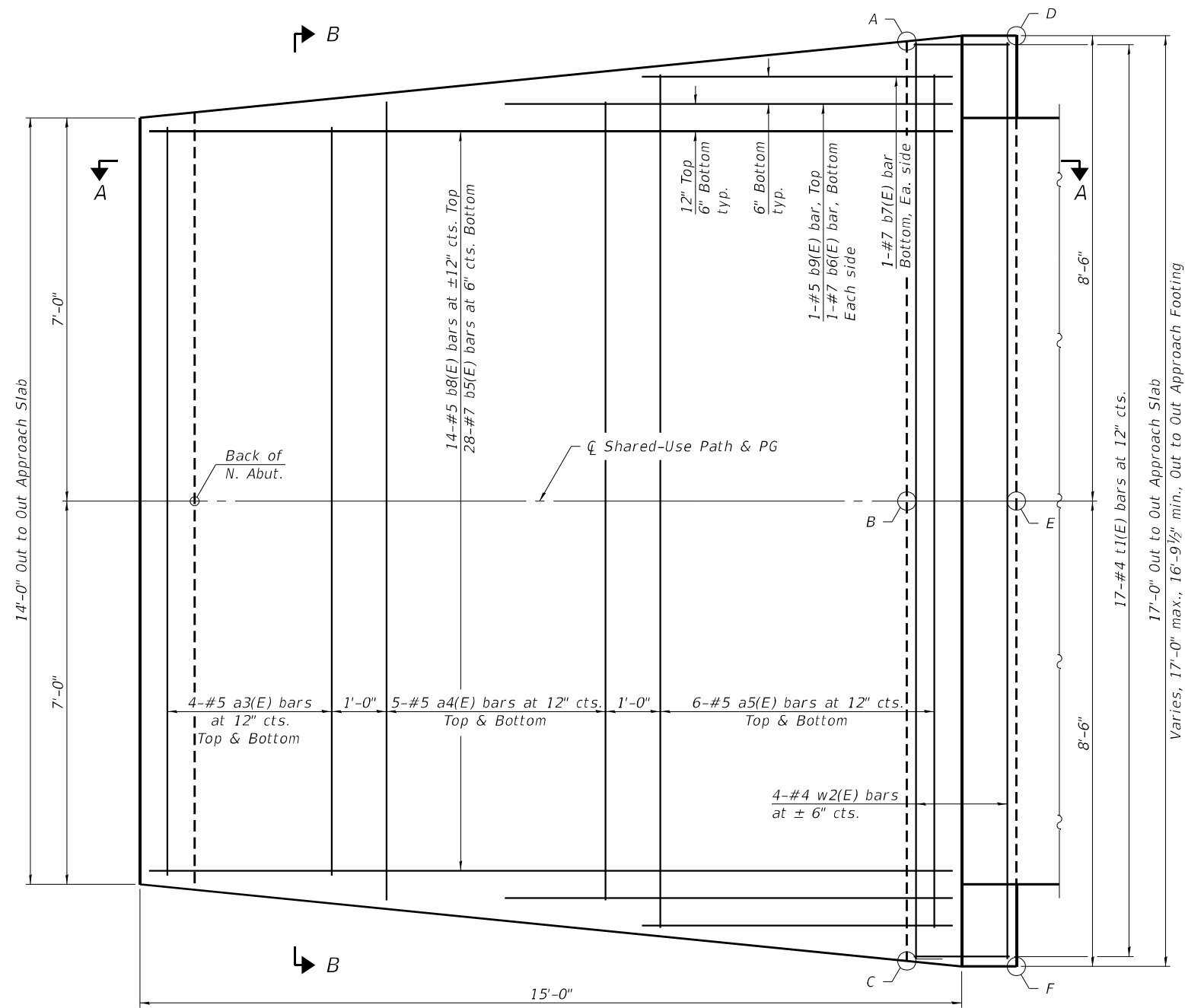
\*1" Ø ANCHOR BOLT

(Anchor bolt assemblies shall be galvanized according to Article 1006.09 of the Standard Specifications)

\* Cost included with Concrete Superstructure (Approach Slab).

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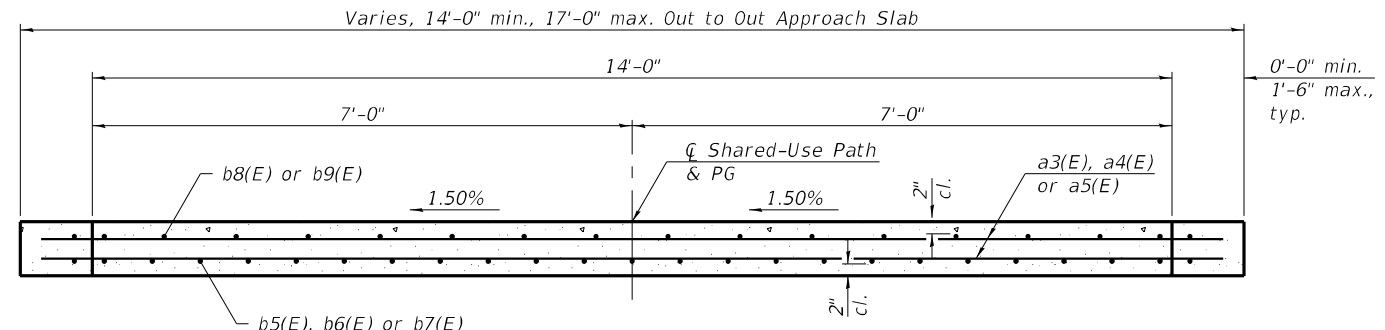
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3/8/2024 11:25:22 AM



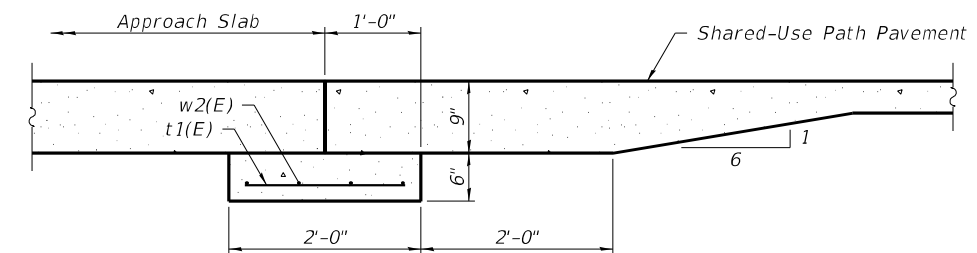
PLAN

TOP AND BOTTOM ELEVATIONS  
FOR APPROACH FOOTING

Point/ Location	Station	Offset	Top	Bottom
A	12+14.13	-8.40 ft.	446.86	446.36
B	12+14.13	0.00 ft.	446.99	446.49
C	12+14.13	8.40 ft.	447.11	446.61
D	12+16.13	-8.50 ft.	446.87	446.37
E	12+16.13	0.00 ft.	447.00	446.50
F	12+16.13	8.50 ft.	447.13	446.63



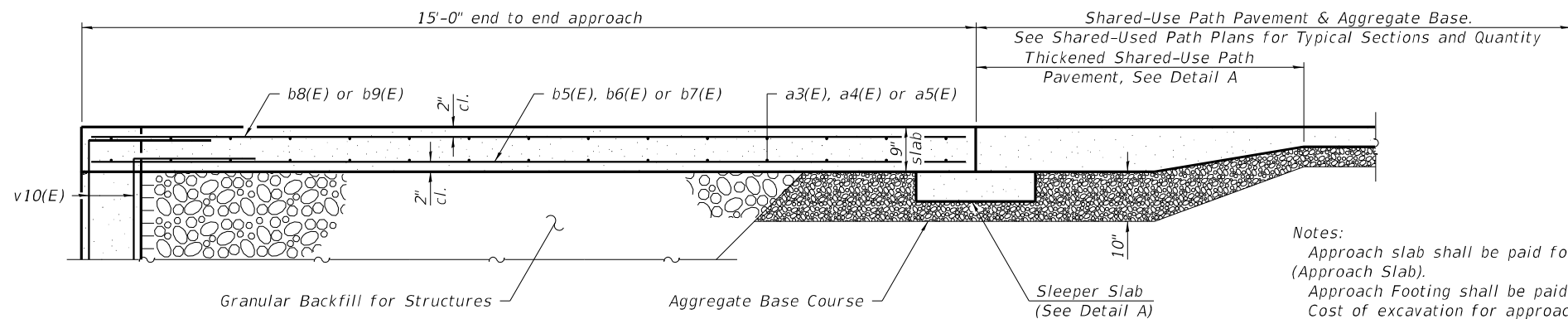
SECTION B-B



DETAIL A

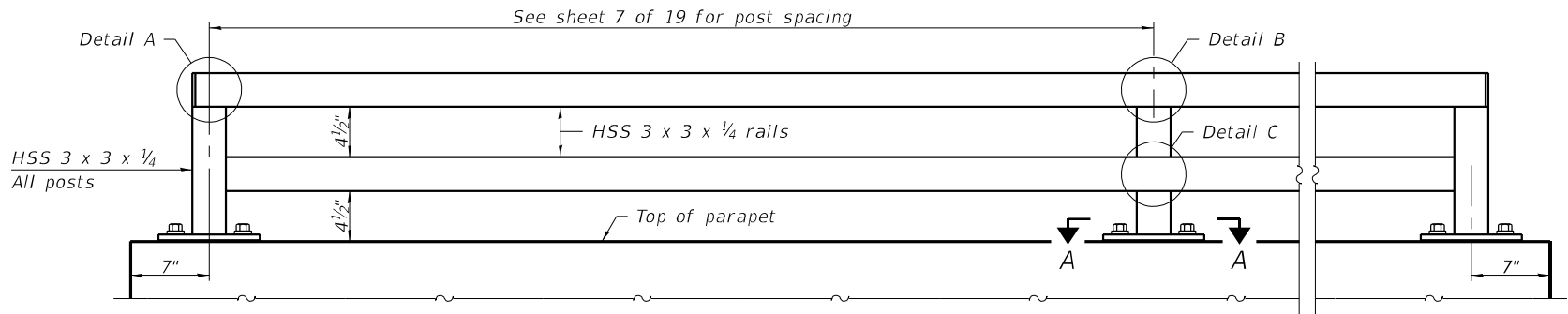
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a3(E)	8	#5	13'-8"	
a4(E)	10	#5	14'-7"	
a5(E)	12	#5	15'-7"	
b5(E)	28	#7	14'-8"	
b6(E)	2	#7	10'-8"	
b7(E)	2	#7	5'-8"	
b8(E)	14	#5	14'-8"	
b9(E)	2	#5	8'-2"	
t1(E)	17	#4	1'-8"	
w2(E)	4	#4	16'-6"	
Concrete Structures			Cu. Yd.	0.6
Concrete Superstructure (Approach Slab)			Cu. Yd.	6.5
Reinforcement Bars, Epoxy Coated			Pound	1,660

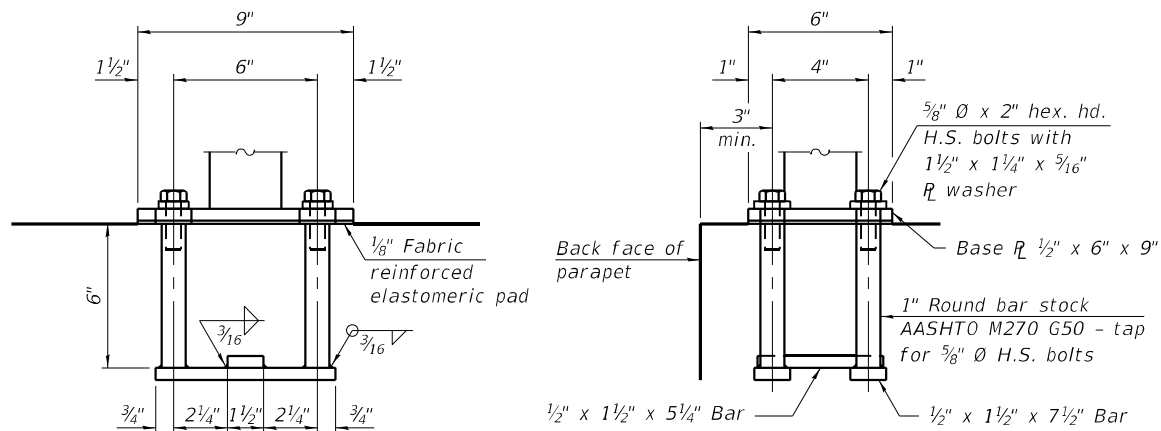


SECTION A-A

Notes:  
Approach slab shall be paid for as Concrete Superstructure (Approach Slab).  
Approach Footing shall be paid for as Concrete Structures.  
Cost of excavation for approach footing included with Concrete Structures.  
For Granular Backfill for Structures and drainage treatment details, see sheet 2 of 19.

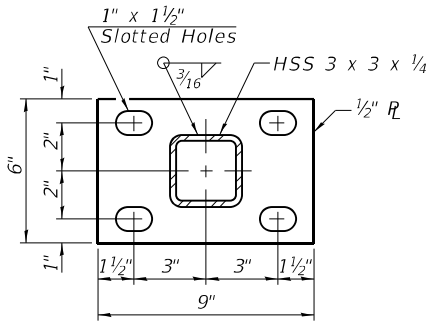


ELEVATION PARAPET RAILING  
(Inside face)



ANCHORAGE ASSEMBLY

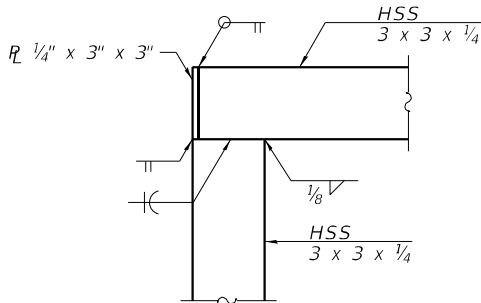
In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" Ø fully threaded anchor rods with the same plate washers as specified above and heavy hex lock nuts according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.



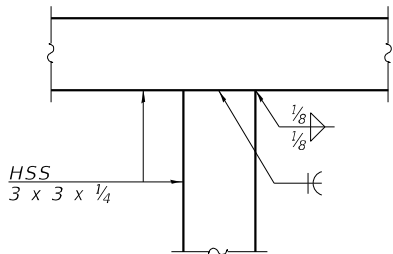
SECTION A-A

RAILING CRITERIA

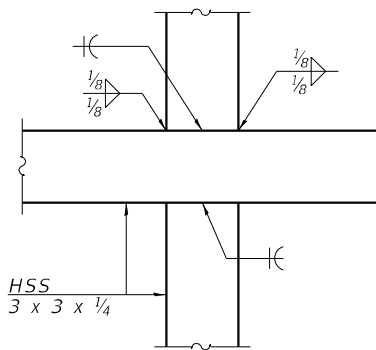
MASH 2016 Test Level	4
Parapet Railing Weight (plf)	25
Max Post Spacing	10'-0"



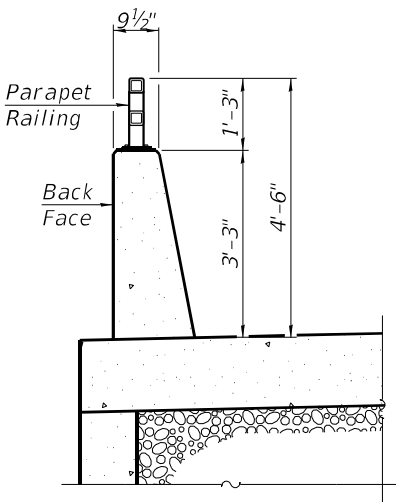
DETAIL A



DETAIL B



DETAIL C



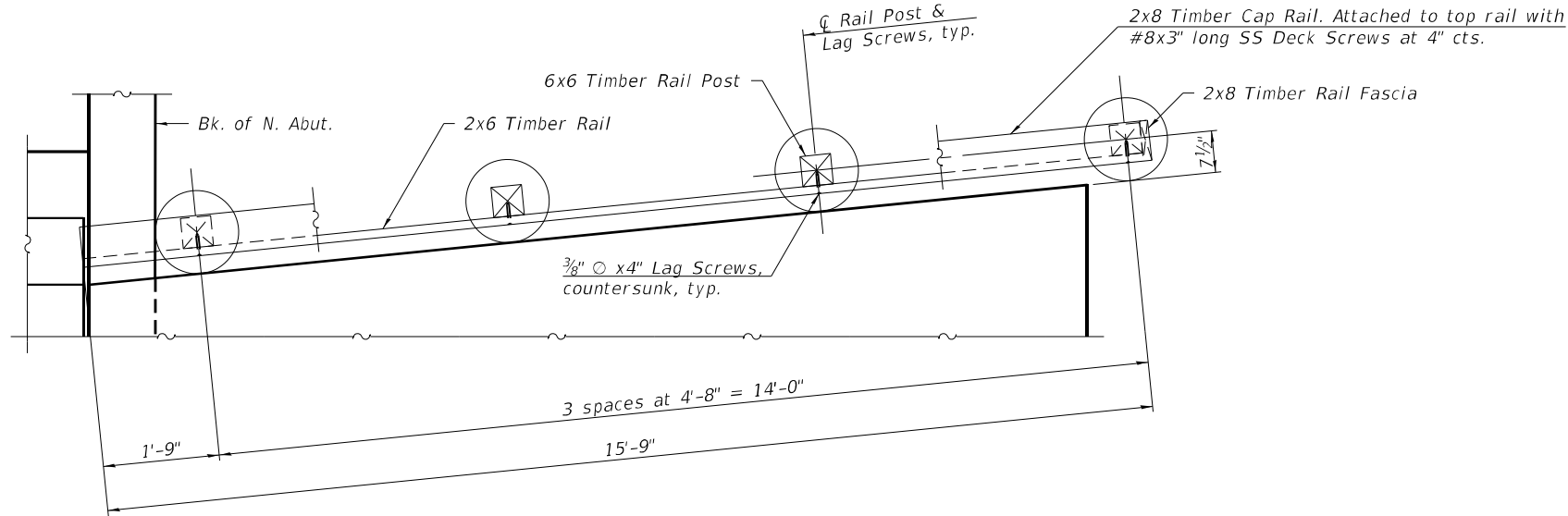
SECTION THRU APPROACH SLAB

Notes:  
Place reinforcement bars to miss anchor rod locations.  
All HSS tubing used for the Parapet Railing shall be CVN tested according to Article 1006.34(b) of the Standard Specifications.  
All HSS tubing used for the Parapet Railing shall be ASTM A500 grade C.  
All base plates used for the Parapet Railing shall be AASHTO M270 grade 50.  
All heavy hex nuts shall be according to ASTM A 563 grade DH.  
All fully threaded anchor rods shall be ASTM F1554 grade 105.  
The post base plate shall be fastened to the parapet snug tight and given an additional 1/8" turn.  
All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.

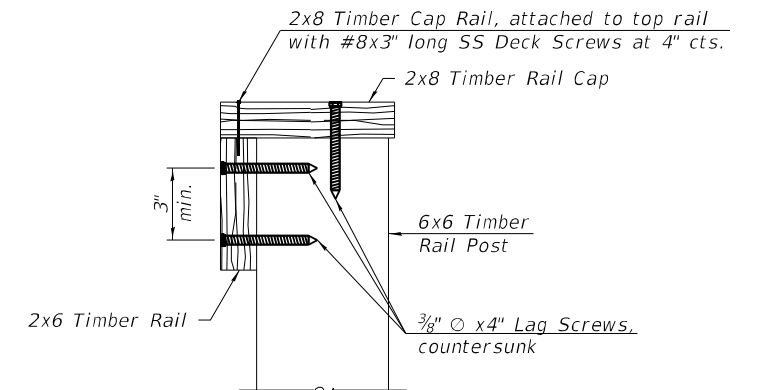
BILL OF MATERIAL

Item	Unit	Quantity
Parapet Railing	Foot	13.3

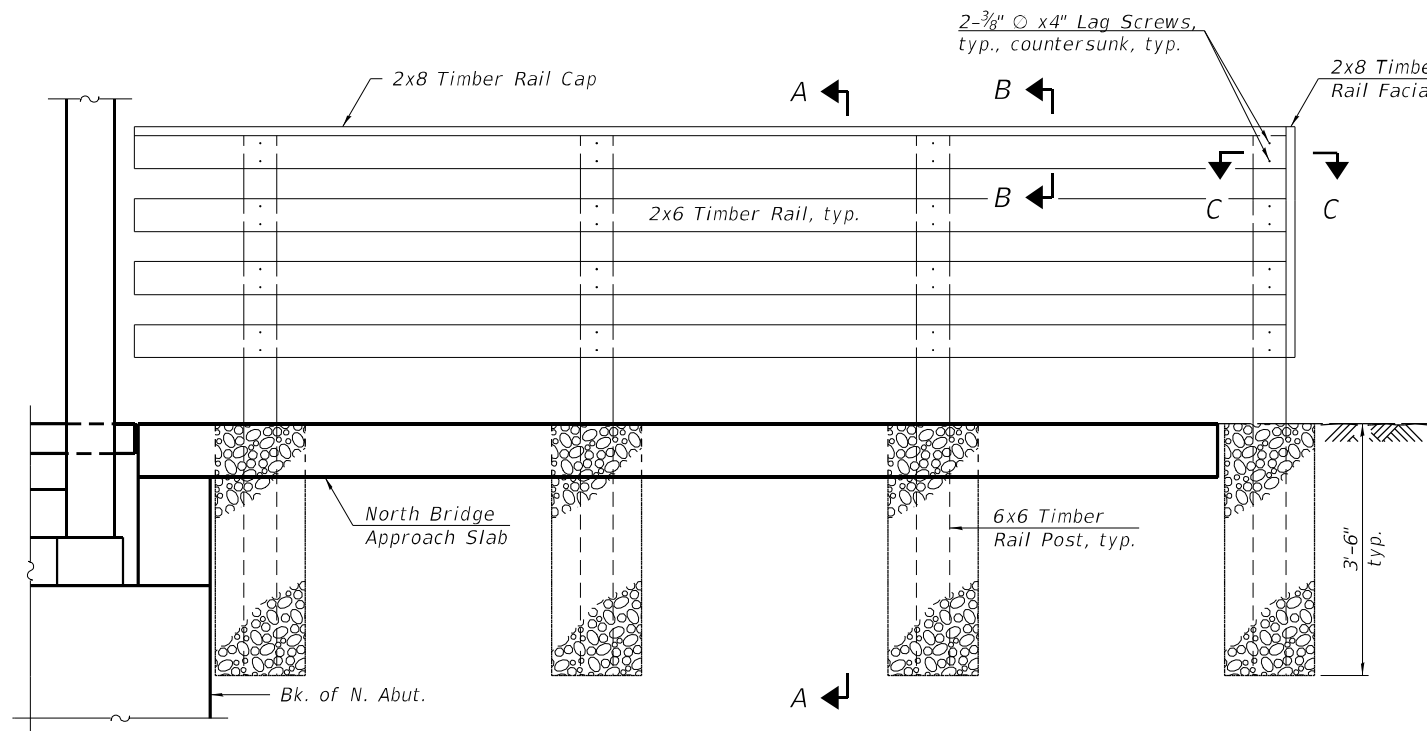
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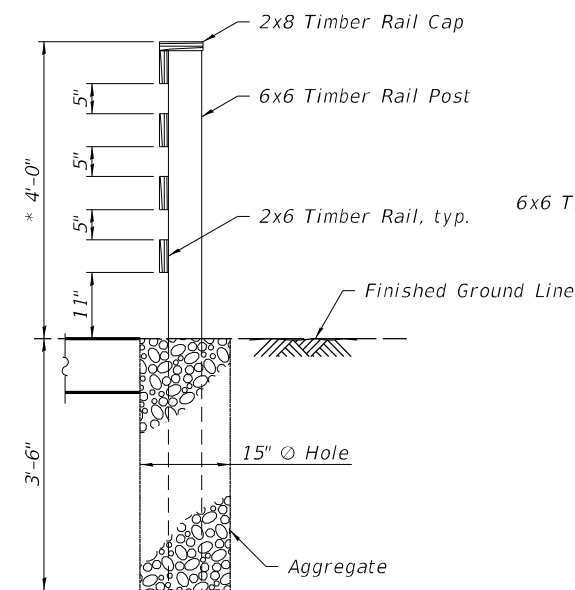
**PART PLAN**



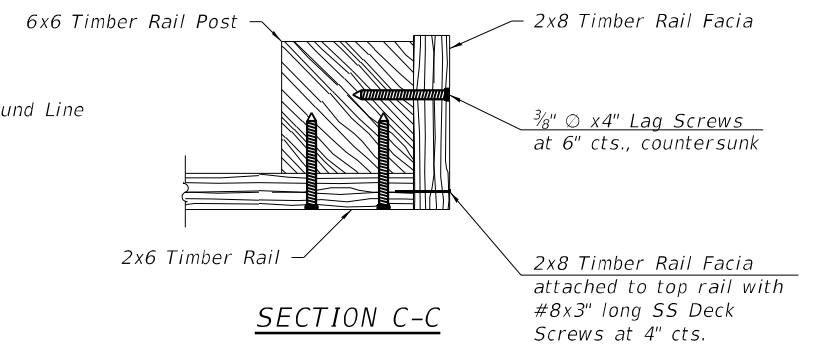
**SECTION B-B**



**ELEVATION**



**SECTION A-A**



**SECTION C-C**

\* Top of top timber rail shall be installed a minimum 4'-0" above the finished ground line. Adjust post length accordingly in field.

**TIMBER FENCE RAIL DETAIL**

Note:  
No splices allowed on end railing.

**BILL OF MATERIAL**

Item	Unit	Quantity
Wood Rail	Foot	32.0

MODEL: Default  
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3/5/2024 7:37:53 AM

PEDESTRIAN TRUSS GENERAL NOTES

The substructure is designed per AASHTO LRFD, and based on the assumed truss loads (including deck) as shown on this sheet.

Truss Manufacturer shall camber the truss as necessary to provide allowance for dead load deflection.

Bridge bearing seat elevations are subject to revision based on the approved pedestrian truss superstructure shop drawings.

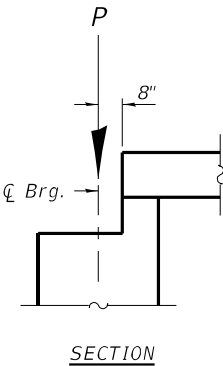
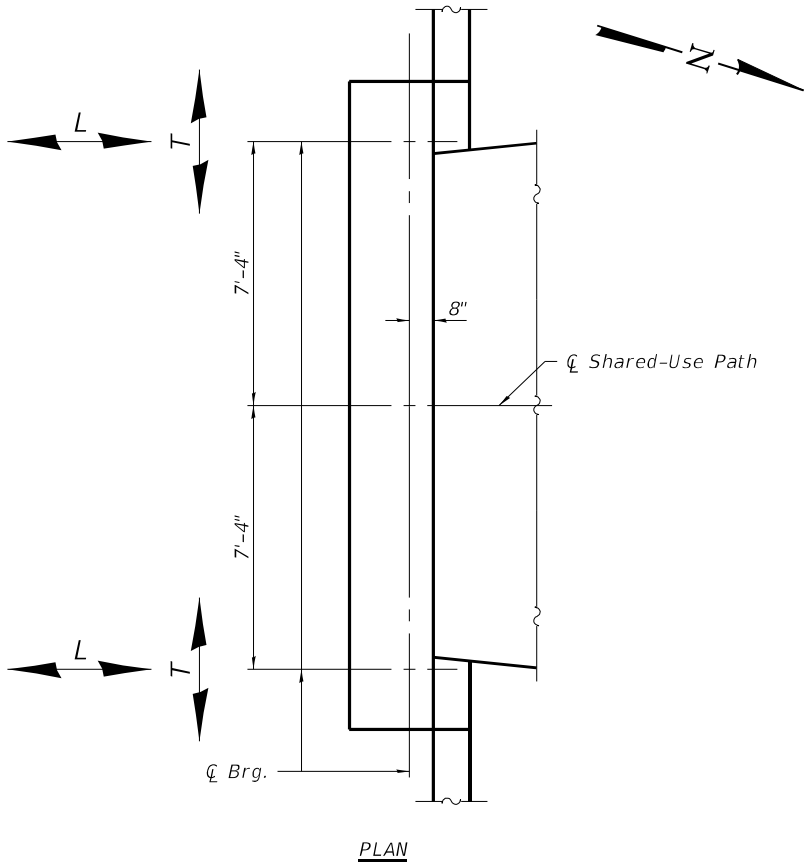
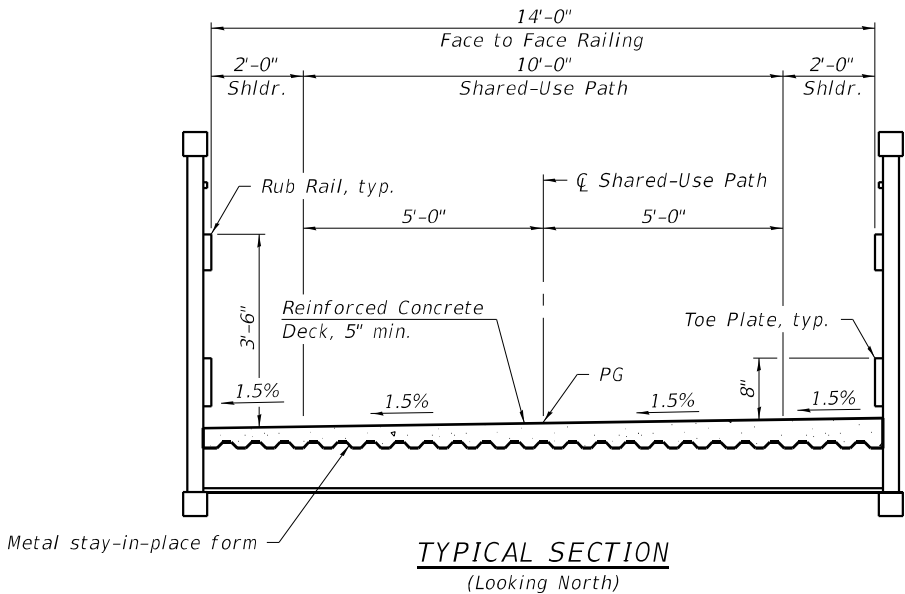
Design of pedestrian bridge shall accommodate anticipated dead and live load deflections so that no sag occurs within the bridge span. Pedestrian bridge profile must be either flat (when fully loaded), or have a slight upward camber.

Truss Manufacturer shall provide the reinforced concrete deck design. Concrete deck to utilize galvanized stay-in-place forms. Reinforcement shall be epoxy coated. Contractor shall place the concrete deck after truss is set. Cost included with Pedestrian Truss Superstructure.

Truss Manufacturer shall provide ADA compliant joint covers for joints between abutment backwall and steel truss.

Depth of pedestrian bridge from top of deck to bottom of bottom chord shall provide a minimum of 2'-0" vertical clearance above "Design Highwater Elevation".

Quantity of Concrete Superstructure is estimated for the aid of bidding. Actual quantity to be determined by Contractor based off of design provided by Truss Manufacturer.



TRUSS LOAD LOCATIONS

Notes:

Details provided to indicate to Truss Manufacturer where loads are applied for abutment design. Truss Manufacturer and Contractor shall coordinate with Engineer if approved truss design differs from what is shown.

North Abutment shown, South Abutment similar.

UNFACTORED TRUSS REACTIONS

LOAD TYPE	P (kips)	T (kips)	L (kips)
Dead Load, DC	78.42		
Vehicular Live Load, LL	9.79		
Pedestrian Live Load, PL	42.71		
Uniform Temperature, TU			7.75
Wind Load, WS	Windward: -15.66 Leeward: 5.22	24.18	0.80
Seismic, EQ		15.68	

"P" = Vertical load, each bearing  
"T" = Transverse load, each bearing  
"L" = Longitudinal load, each bearing

Notes:

Dead load reaction includes estimated weight of truss and concrete deck. Truss Manufacturer to verify reactions.

"+" values indicate downward load.

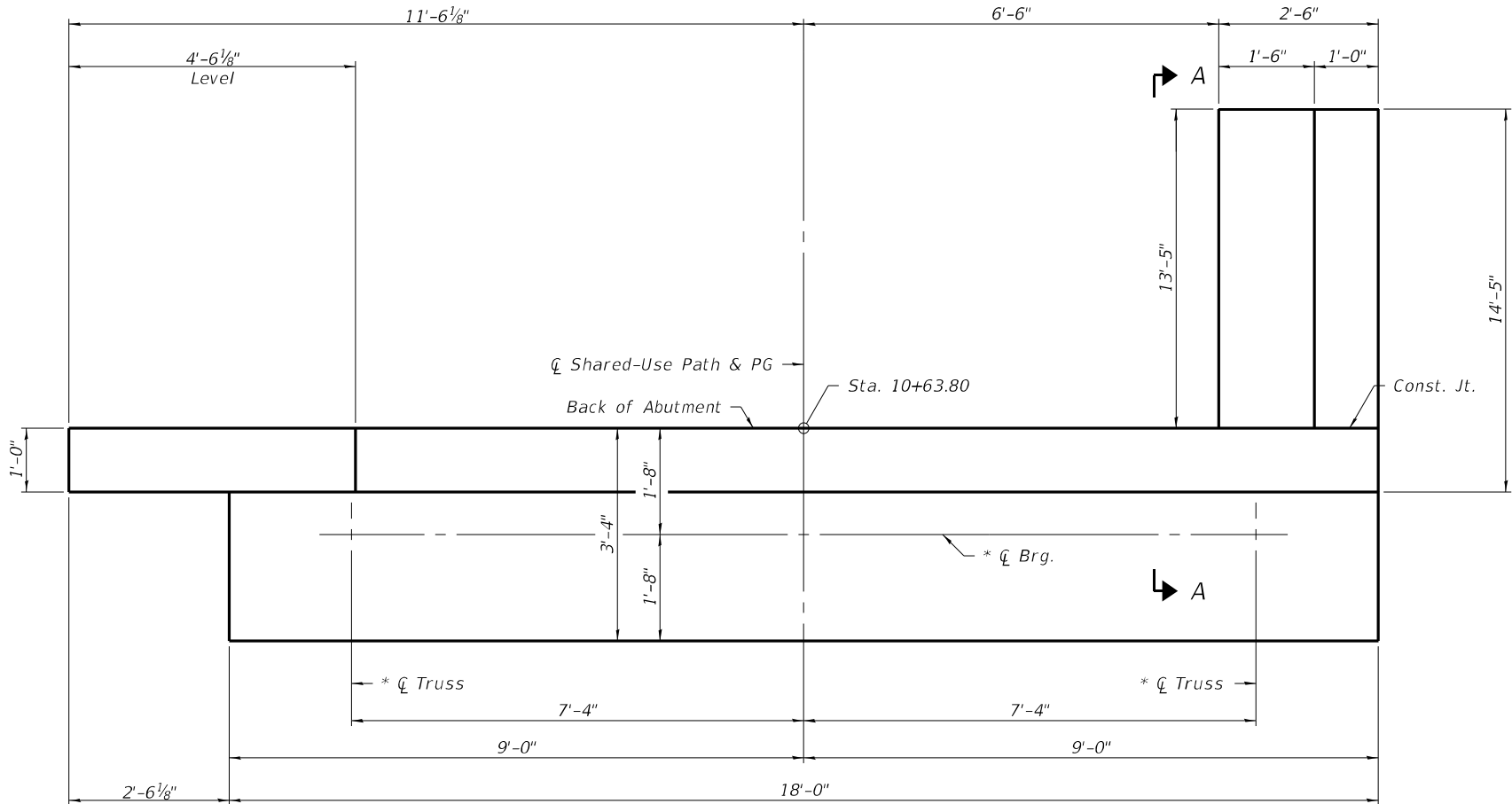
"-" values indicate upward load.

BILL OF MATERIAL

Item	Unit	Quantity
Concrete Superstructure	Cu. Yd.	37.6
Pedestrian Truss Superstructure	Sq. Ft.	1,920.7

MODEL: Default  
FILE NAME: G:\PEJjobs\_2020\20-1581 PTB 195-57 REALIGNMENT IL 162 AT IL 157 PH II D-98-009-44 - FEI PRIMECADD\CADD Sheets\0607003-76A46-012-PedTrussDetails.dgn  
3/8/2024 10:31:38 AM

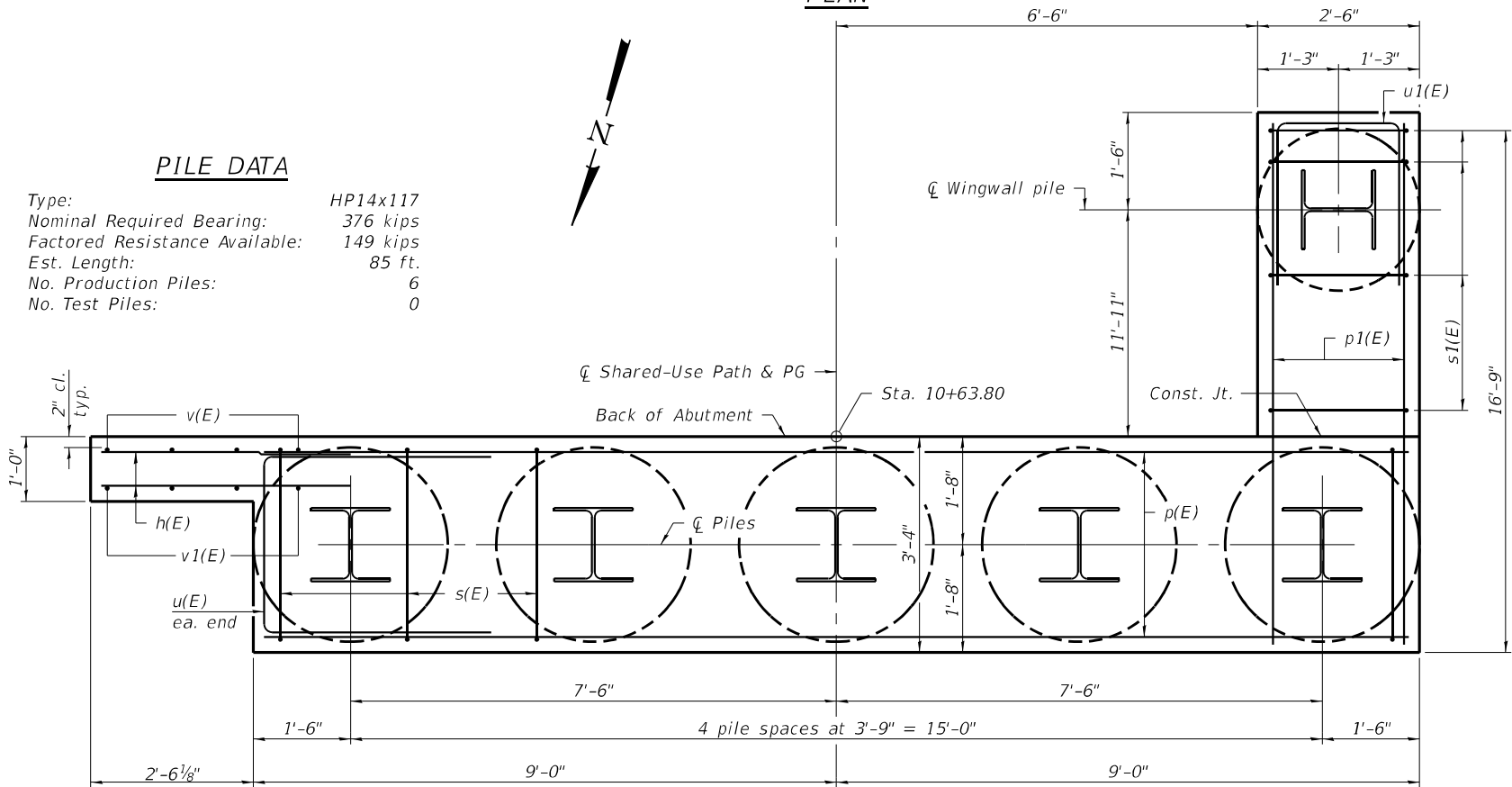
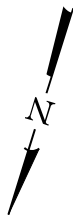
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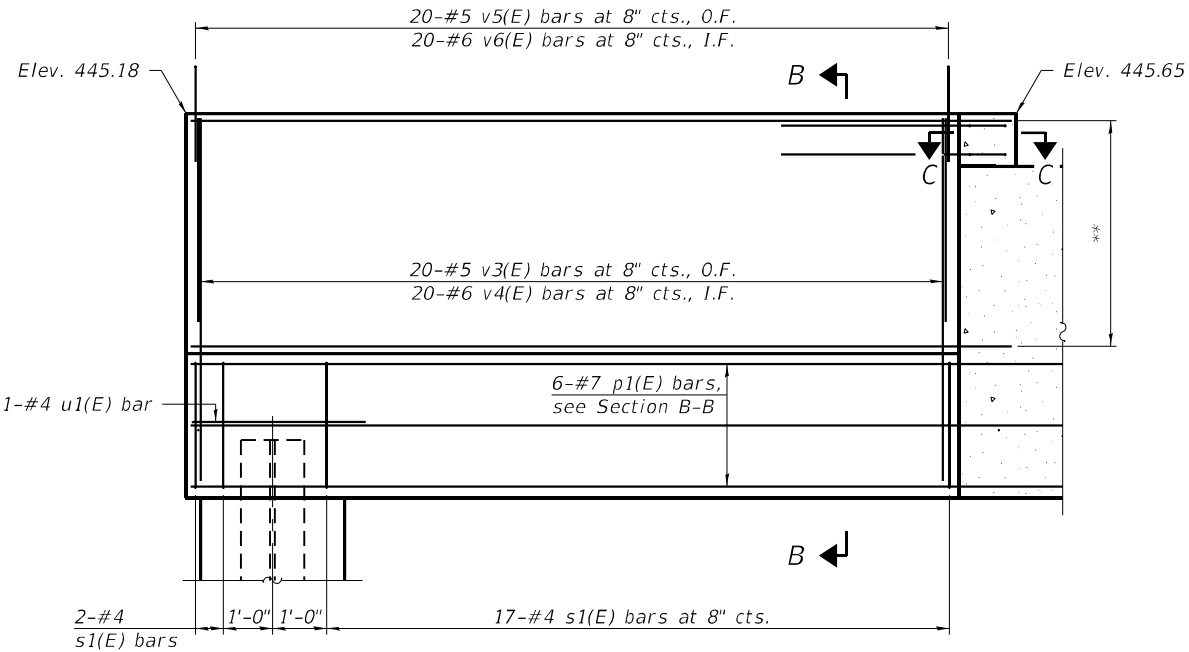
PLAN

PILE DATA

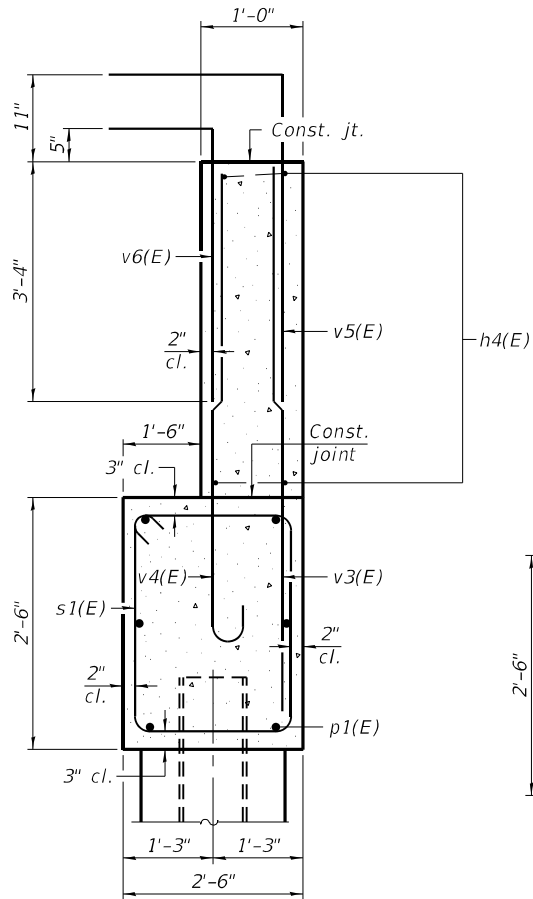
Type: HP14x117  
Nominal Required Bearing: 376 kips  
Factored Resistance Available: 149 kips  
Est. Length: 85 ft.  
No. Production Piles: 6  
No. Test Piles: 0



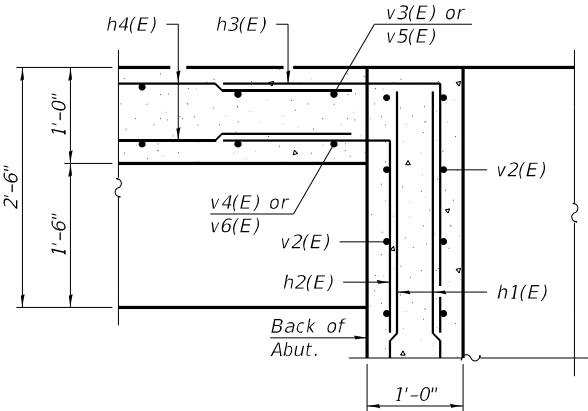
PILE CAP PLAN



SECTION A-A



SECTION B-B



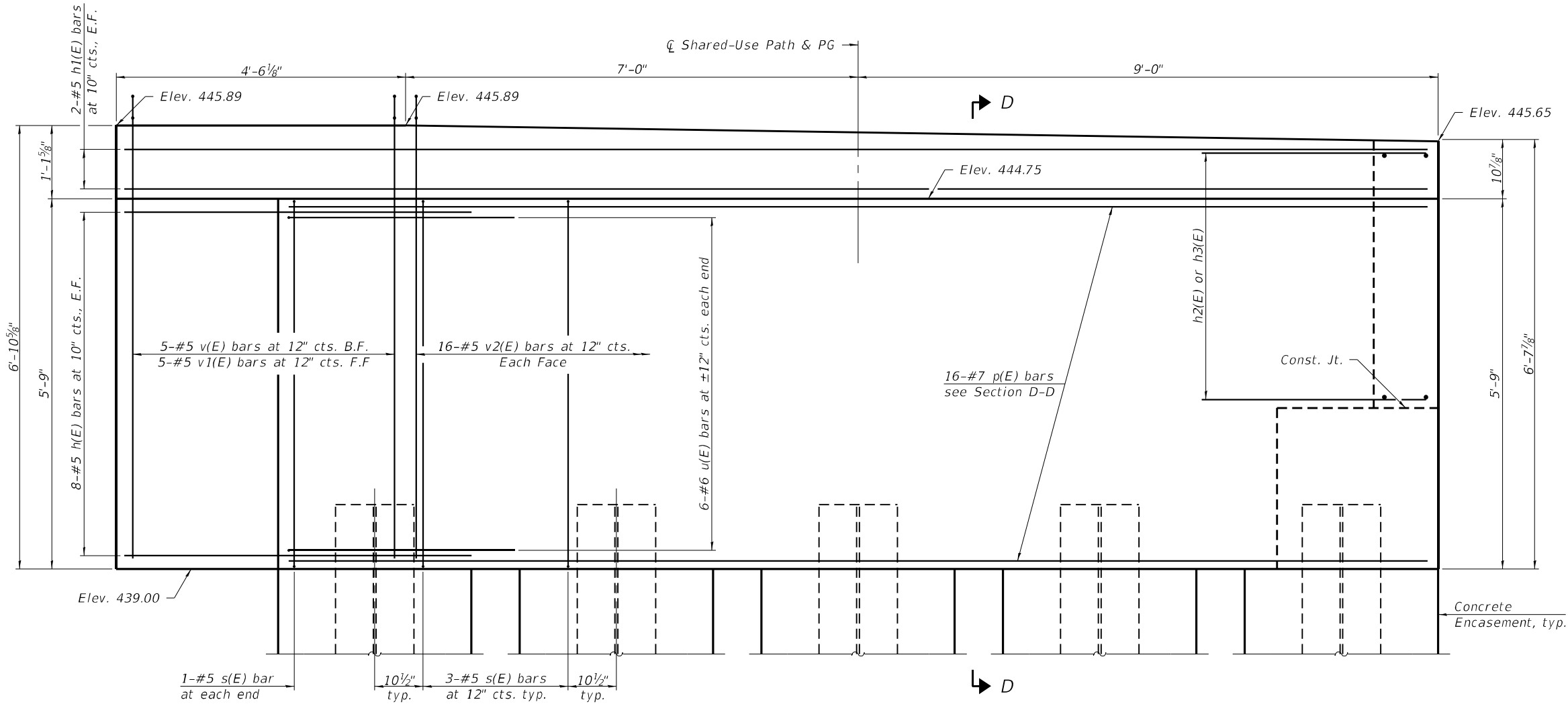
SECTION C-C

\* Dimensions used in design of abutment.  
Truss Manufacturer and Contractor shall coordinate with Engineer if approved truss design differs from what is shown.  
\*\* 4-#4 h2(E) bars at ±12" cts.  
4-#4 h3(E) bars at ±12" cts.  
4-#4 h4(E) bars at ±12" cts., E.F.

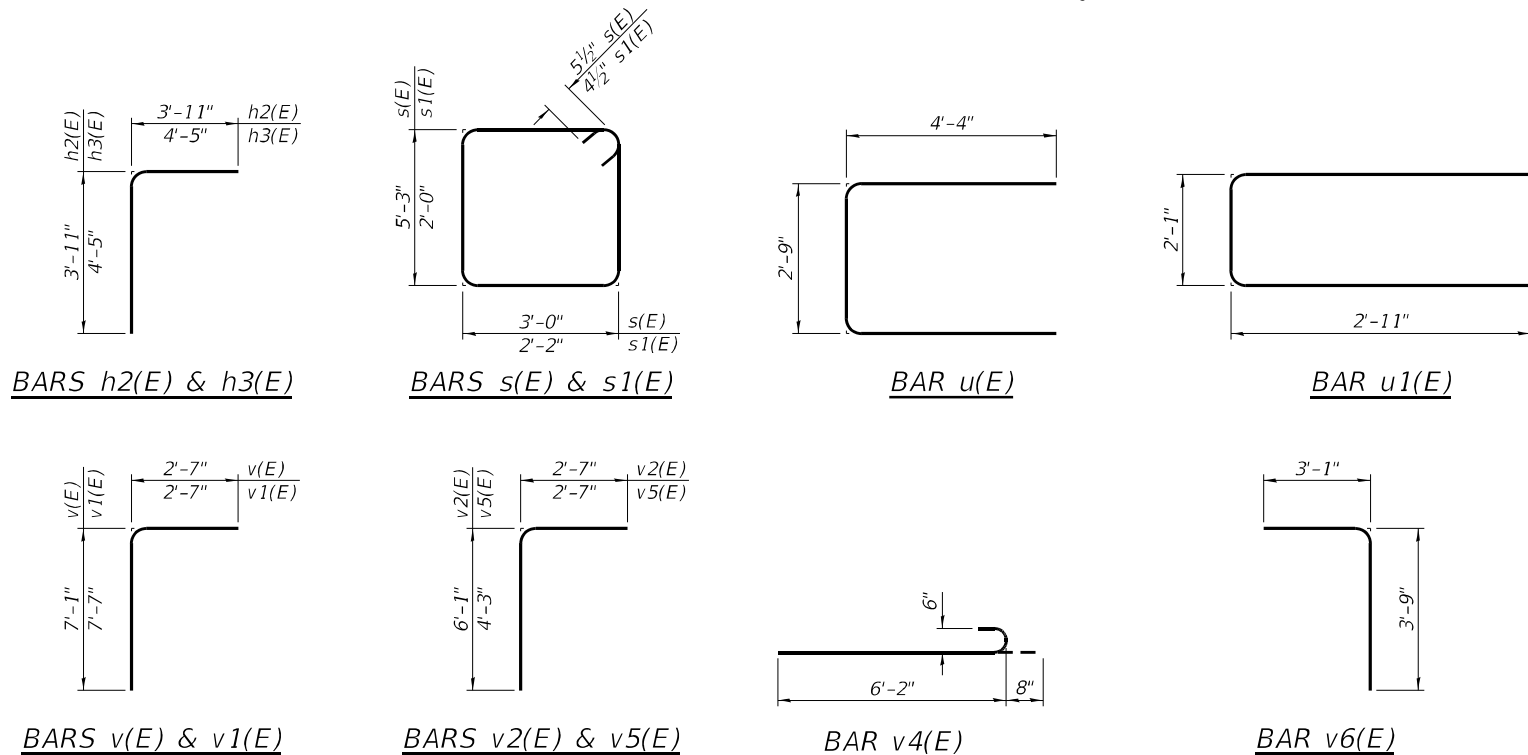
USER NAME	=	DESIGNED	-	A.H. Morinaga Mansilla	REVISED	-
PLOT SCALE	=	CHECKED	-	E.M. Lagemann	REVISED	-
PLOT DATE	=	DRAWN	-	A.H. Morinaga Mansilla	REVISED	-
		CHECKED	-	E.M. Lagemann	REVISED	-

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	51-1R	MADISON	296	227
CONTRACT NO. 76A46				
ILLINOIS FED. AID PROJECT				

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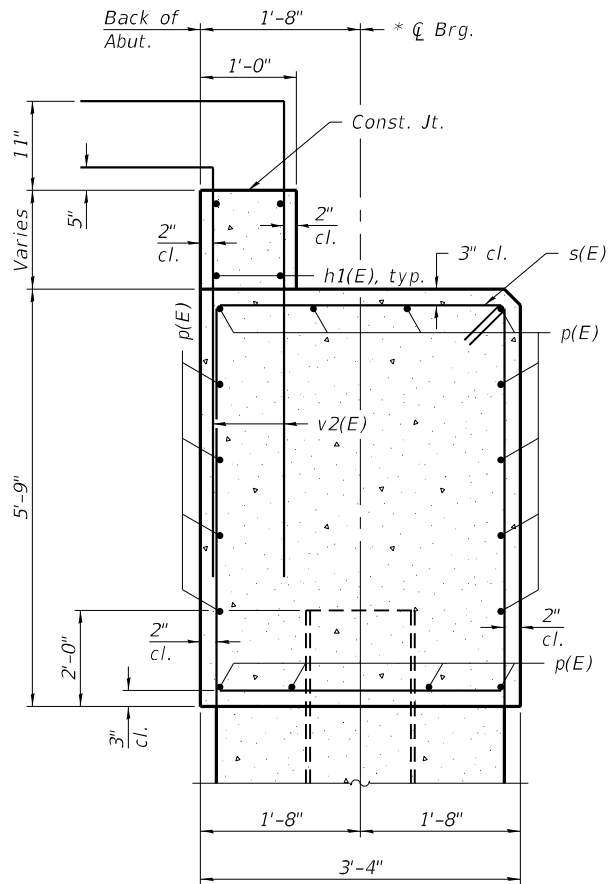


ELEVATION  
(Looking South)



\* Dimensions used in design of abutment.  
Truss Manufacturer and Contractor shall  
coordinate with Engineer if approved truss  
design differs from what is shown.

Notes:  
Space reinforcement in cap to miss anchor bolts.  
For details of piles and Concrete Encasement, see sheet 16 of 19.

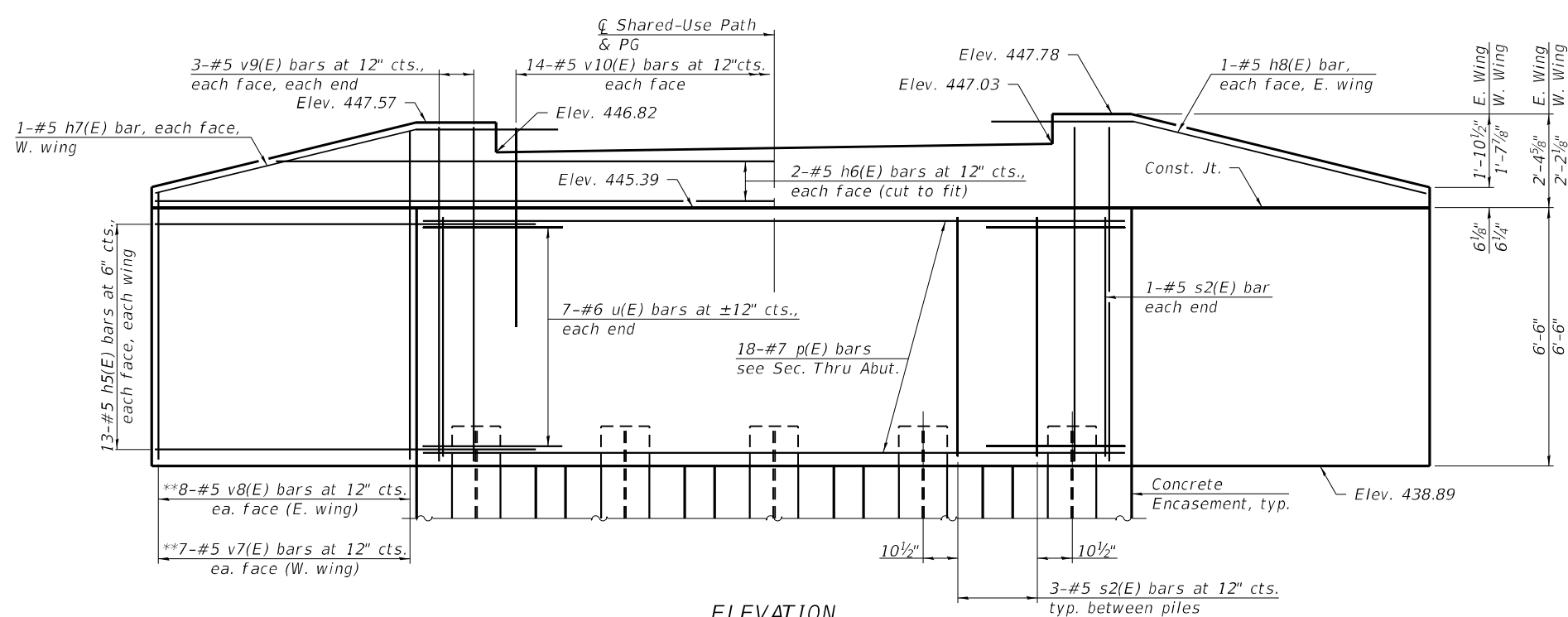


SECTION D-D

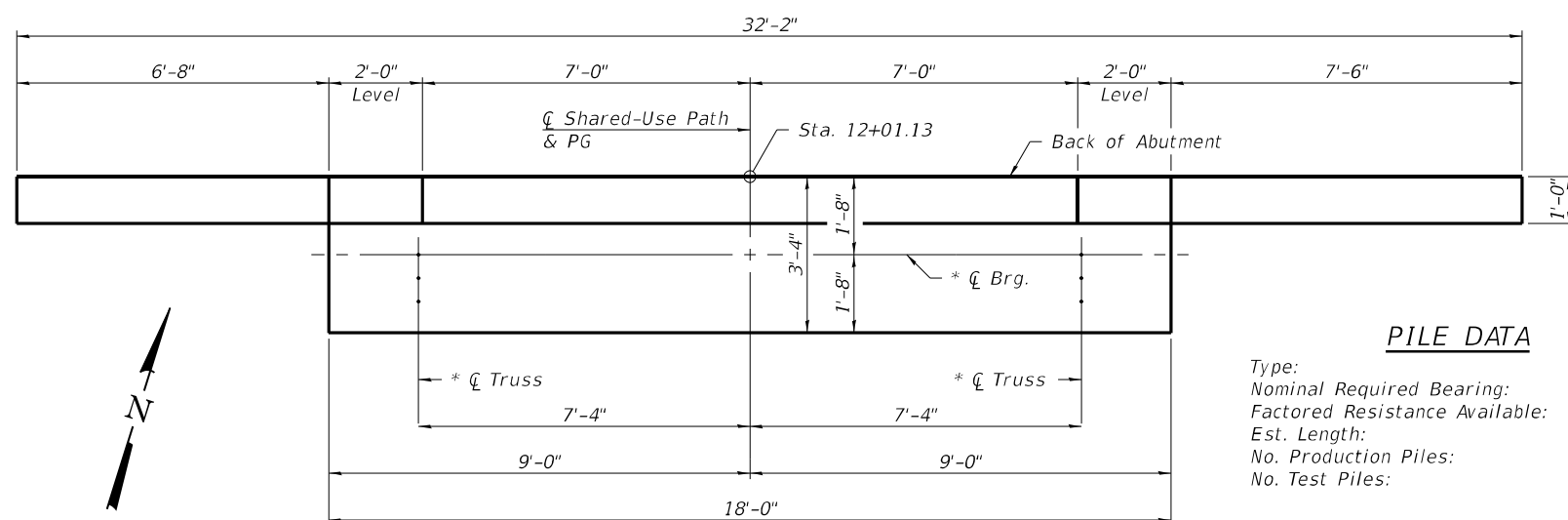
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	16	#5	7'-4"	
h1(E)	4	#5	20'-2"	
h2(E)	4	#4	7'-10"	
h3(E)	4	#4	8'-10"	
h4(E)	8	#4	13'-1"	
p(E)	16	#7	17'-8"	
p1(E)	6	#7	13'-1"	
s(E)	14	#5	17'-5"	
s1(E)	19	#4	9'-1"	
u(E)	12	#6	11'-5"	
u1(E)	1	#4	7'-11"	
v(E)	5	#5	9'-8"	
v1(E)	5	#5	10'-2"	
v2(E)	32	#5	8'-8"	
v3(E)	20	#5	5'-10"	
v4(E)	20	#6	6'-10"	
v5(E)	20	#5	6'-10"	
v6(E)	20	#6	6'-10"	
Structure Excavation	Cu. Yd.	20		
Concrete Structures	Cu. Yd.	19.3		
Concrete Encasement	Cu. Yd.	4.7		
Reinforcement Bars, Epoxy Coated	Pound	2,710		
Furnishing Steel Piles HP14x117	Foot	510		
Driving Piles	Foot	510		
Concrete Sealer	Sq. Ft.	63.5		

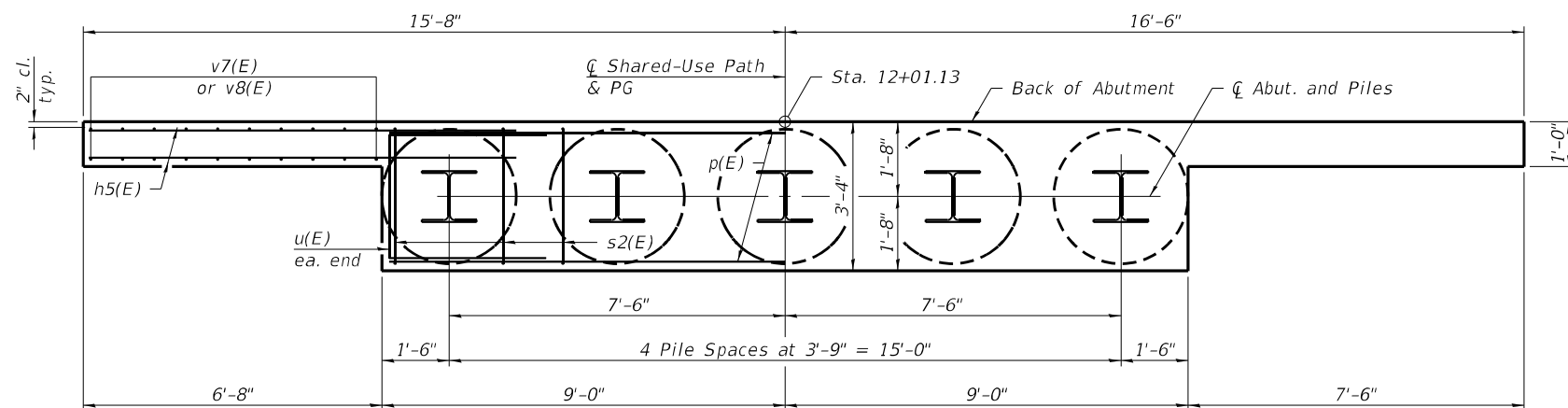




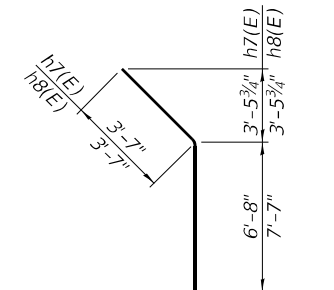
ELEVATION  
(Looking North)



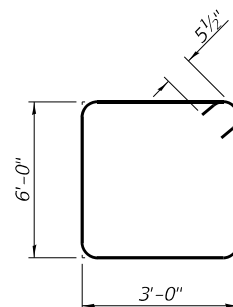
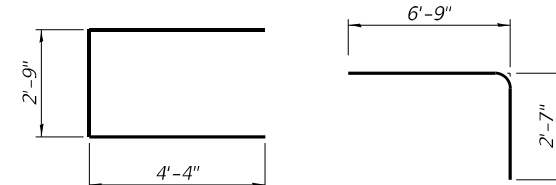
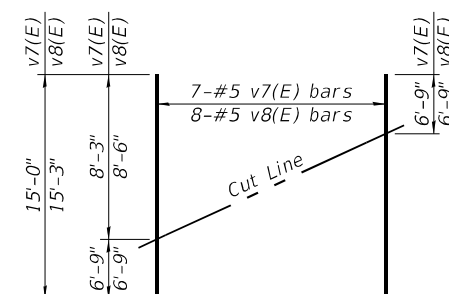
## PLAN



PILE CAP PLAN



BARS  $h7(E)$  &  $h8(E)$


$$\underline{BAR \ s2(E)}$$

$$\underline{BAR \ u(E)}$$
BAR v10(E)

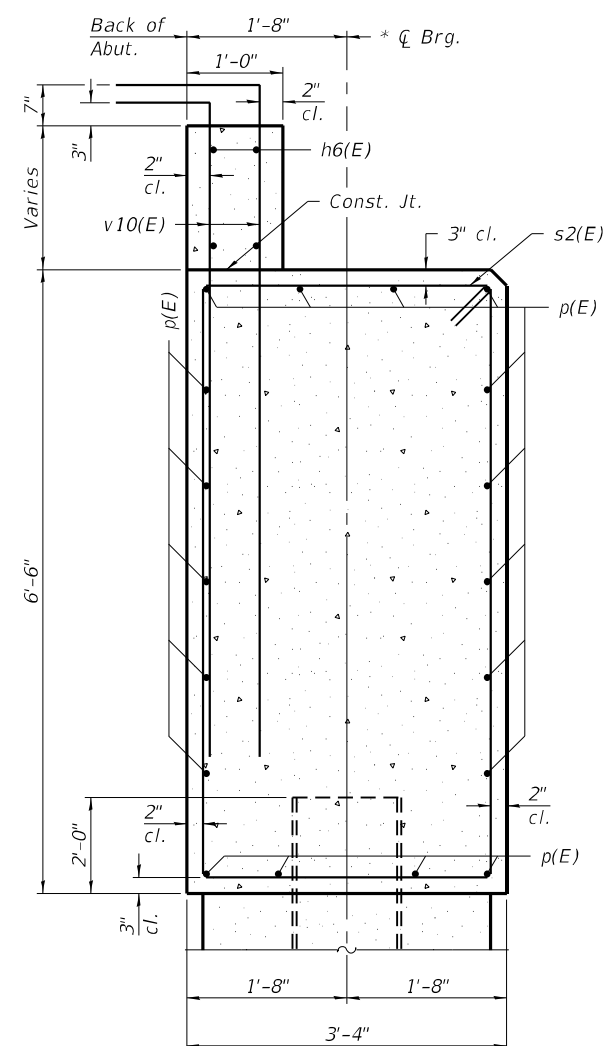
FIELD CUTTING DIAGRAM

Order v7(E) and v8(E) full length. Cut as shown and use remainder of bars in opposite face.

\*Dimensions used in design of abutment. Truss Manufacturer and Contractor shall coordinate with Engineer if approved truss design differs from what is shown.












\*\*See field cutting diagram.

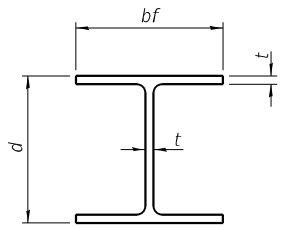
Notes:  
Space reinforcement in cap to miss anchors bolts.  
For details of piles and Concrete Encasement, see  
sheet 16 of 19.



SEC. THRU ABUT.

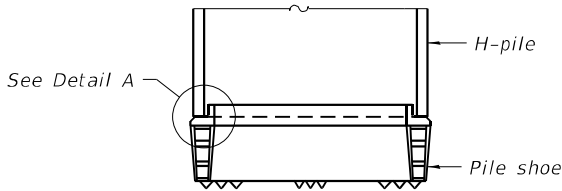
### BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h5(E)	52	#5	11'-1"	
h6(E)	4	#5	31'-10"	
h7(E)	2	#5	10'-3"	
h8(E)	2	#5	11'-2"	
p(E)	18	#7	17'-8"	
s2(E)	14	#5	18'-11"	
u(E)	14	#6	11'-5"	
v7(E)	7	#5	15'-0"	
v8(E)	8	#5	15'-3"	
v9(E)	12	#5	8'-4"	
v10(E)	28	#5	9'-4"	
Structure Excavation			Cu. Yd.	22
Concrete Structures			Cu. Yd.	19.7
Concrete Encasement			Cu. Yd.	3.9
Reinforcement Bars, Epoxy Bars			Pound	2,560
Furnishing Steel Piles HP14x117			Foot	425
Driving Piles			Foot	425
Concrete Sealer			Sq. Ft.	63.8

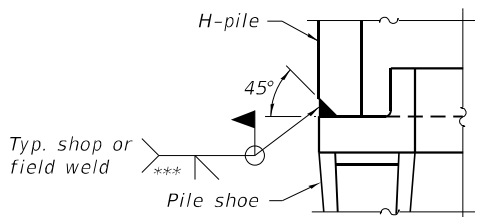


STEEL PILE TABLE

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



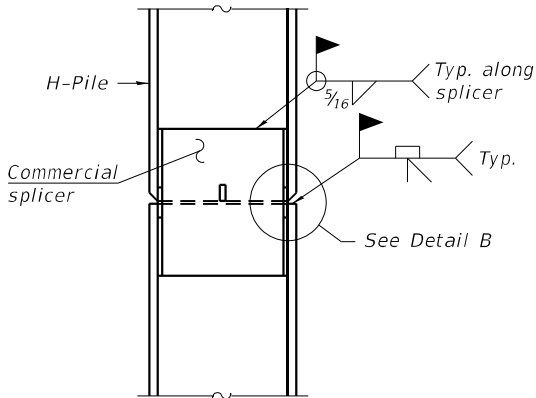
ELEVATION



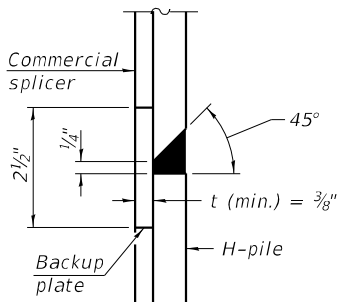
DETAIL A

SHOE ATTACHMENT

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

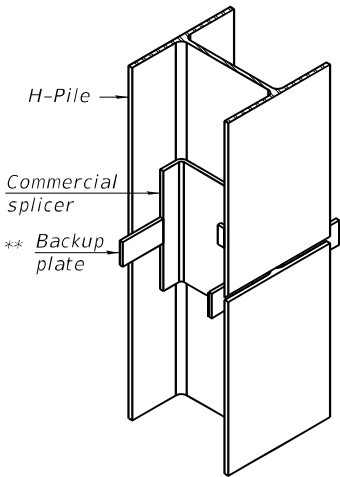


ELEVATION

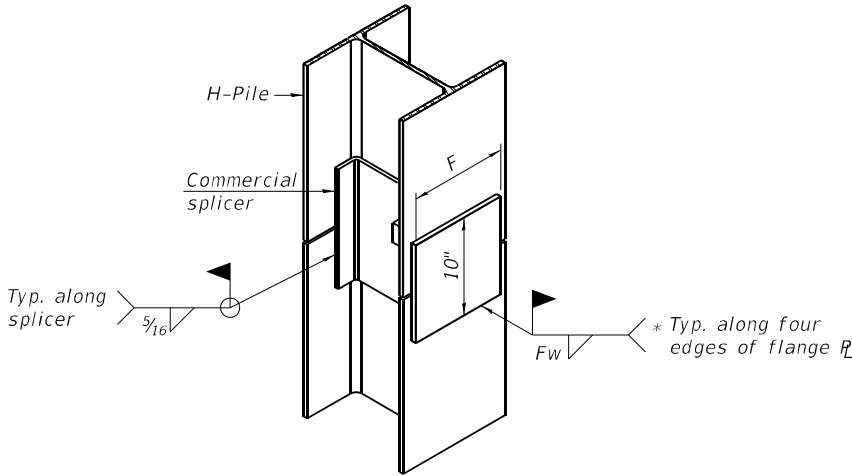


DETAIL "B"

WELDED COMMERCIAL SPLICE



ISOMETRIC VIEW



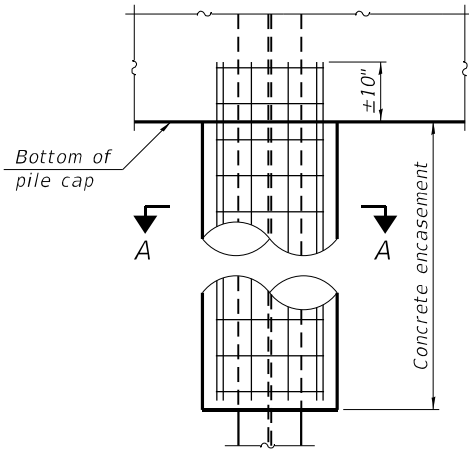
ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE ALTERNATE

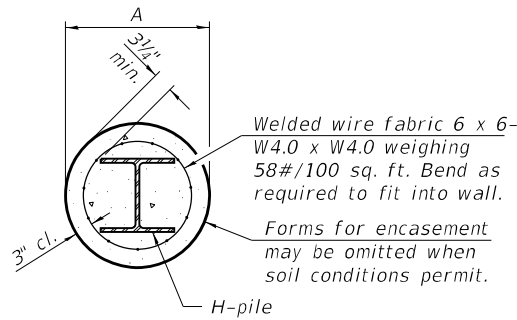
\* Interrupt welds 1/4" from end of web and/or each flange.

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

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

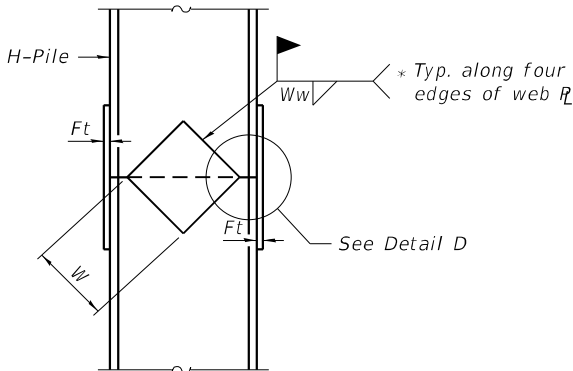


ELEVATION

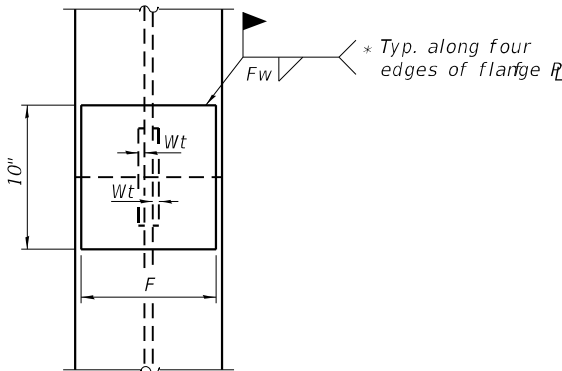


SECTION A-A

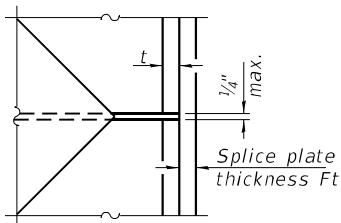
INDIVIDUAL PILE  
CONCRETE ENCASUREMENT  
(when specified)



ELEVATION



END VIEW



DETAIL D

Designation	F	Ft	Fw	W	Wt	Ww
HP 14x117	12 1/2"	1"	7/8"	7 3/4"	5/8"	1/2"
x102	12 1/2"	7/8"	3/4"	7 3/4"	5/8"	1/2"
x89	12 1/2"	3/4"	1 1/16"	7 3/4"	5/8"	1/2"
x73	12 1/2"	5/8"	9/16"	7 3/4"	5/8"	1/2"
HP 12x84	10"	7/8"	1 1/16"	6 1/2"	5/8"	1/2"
x74	10"	7/8"	1 1/16"	6 1/2"	5/8"	1/2"
x63	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
x53	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
HP 10x57	8"	3/4"	9/16"	5 1/4"	1/2"	3/8"
x42	8"	5/8"	9/16"	5 1/4"	1/2"	3/8"
HP 8x36	7"	5/8"	7/16"	4 1/4"	1/2"	3/8"

WELDED PLATE FIELD SPLICE

F-HP

2-1-2023

USER NAME =	DESIGNED - A.H. Morinaga Mansilla	REVISED -
PLOT SCALE =	CHECKED - E.M. Lagemann	REVISED -
PLOT DATE =	DRAWN - E.M. Lagemann	REVISED -
	CHECKED - A.H. Morinaga Mansilla	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	51-1R	MADISON	296	230
CONTRACT NO. 76A46				
ILLINOIS FED. AID PROJECT				

Page 1 of 3

**Date** 3/1,2/2022

<b>ROUTE</b>	Route 157/162	<b>DESCRIPTION</b>	Shared Use Path over Judy's Branch	<b>LOGGED BY</b>	SCI
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<b>SECTION</b>	51-1R	<b>LOCATION</b>	Madison County, Illinois, SEC. 4, TWP. 3N, RNG. 8W
		Lat 38.740837	Long -90.002113

**COUNTY** Madison **DRILLING METHOD** CME 550 w/HSA and Mud Rotary **HAMMER TYPE** Automatic

SN 060-0229/ SN  
060-7003  
STRUCT. NO. \_\_\_\_\_  
Station 584+70.00 and 11+32.26

**BORING NO.** B-7  
**Station** 17+86  
**Offset** 50 ft LT  
**Ground Surface Elev.** 438.0 f

**FILL: CINDERS (A-1)**

FILL: Dark brown to brown SILTY  
LOAM (A-4), stiff

Brown SILTY LOAM (A-4), very  
moist, very soft  
Percentage finer than #200 test  
performed (21.6% passing)

Percentage finer than #200 test performed (19.9% passing)  
Brown to reddish brown SANDY LOAM (A-3) w/ silt, very moist, very loose

Percentage finer than #200 test performed (19.2% passing)

Percentage finer than #200 test performed (20.3% passing)

Gray and Brown SILTY CLAY  
(A-6), moist, very soft

Gray CLAY (A-7), moist, soft  
Atterberg Limits test performed  
(LL=34, PI=18)

Surface Water Elev.	N/A	ft	D E P T H	B L O W S	U C S	M O I S T
Stream Bed Elev.	N/A	ft				
Groundwater Elev.:						
First Encounter	425.0	ft ▼				
Upon Completion	N/A	ft				
After N/A Hrs.	N/A	ft	(ft)	(/6")	(tsf)	(%)

Gray fine SAND (A-3), wet,  
medium dense

Gray SILTY LOAM (A-4), moist,  
stiff

Gray fine SAND (A-3), wet,  
medium dense

Gray CLAY (A-7), moist, stiff

	4	2.5 B/20%
	4	
40	7	

**The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)**  
**AASHTO Classifications are based on visual classifications unless otherwise noted**      **BBS, form 137 (Rev. 8-99)**



## Page 2 of 3

Date 3/1,2/2022

ROUTE	Route 157/162	DESCRIPTION	Shared Use Path over Judy's Branch	LOGGED BY	SCI
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SECTION	51-1R	LOCATION	Madison County, Illinois, SEC. 4, TWP. 3N, RNG. 8W
		Lat	38.740837 Long -90.002113

**COUNTY** Madison **DRILLING METHOD** CME 550 w/HSA and Mud Rotary **HAMMER TYPE** Automatic

STRUCT. NO. SN 060-0229/ SN  
060-7003  
Station 584+70.00 and 11+32.26

<b>BORING NO.</b>	<b>B-7</b>
<b>Station</b>	<b>17+86</b>
<b>Offset</b>	<b>50 ft LT</b>
<b>Ground Surface Elev.</b>	<b>438.0</b>

Gray CLAY (A-7), moist, stiff  
(continued)

Gray SANDY CLAY LOAM (A-6),  
moist, stiff (fill)

Gray CLAY LOAM (A-7), moist,  
stiff

**The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)**  
**AASHTO Classifications are based on visual classifications unless otherwise noted** BBS, form 137 (Rev. 8-99)

<b>Surface Water Elev.</b>	N/A	ft	<b>D E P T H</b>	<b>B L O W S</b>	<b>U C S</b>	<b>M O I S T</b>
<b>Stream Bed Elev.</b>	N/A	ft				
<b>Groundwater Elev.:</b>						
<b>First Encounter</b>	425.0	ft ▼				
<b>Upon Completion</b>	N/A	ft	<b>(ft)</b>	<b>(/6")</b>	<b>(tsf)</b>	<b>(%)</b>
<b>After N/A Hrs.</b>	N/A	ft				

Gray CLAY LOAM (A-7), moist,  
stiff (continued)

Gray CLAY (A-7), moist, very stiff

**Becomes brown and stiff**

**Becomes very stiff**

**Becomes gray**

Page 3 of 3

**Date** 3/1,2/2022

Surface Water Elev.	N/A	ft
Stream Bed Elev.	N/A	ft
Groundwater Elev.:		
First Encounter	425.0	ft
Upon Completion	N/A	ft
After N/A Hrs.	N/A	ft

100		
90		
80		
70		
60		
50		
40		
30		
20		
10		
0		

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



## Page 1 of 3

**Date** 2/22,23/2022

Surface Water Elev.	N/A	ft
Stream Bed Elev.	N/A	ft
Groundwater Elev.:		
First Encounter	N/A	ft
Upon Completion	N/A	ft
After 24 Hrs.	427.6	ft

	3		
	2	0.5	28
-20	3	B/20%	

**BORING LOGS**  
**STRUCTURE NO. 060-7003**

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	51-1R	MADISON	296	232
			CONTRACT NO. 76A46	
ILLINOIS		FED. AID PROJECT		

Page 2 of 3

**Date** 2/22,23/2022

<b>ROUTE</b>	Route 157/162	<b>DESCRIPTION</b>	Shared Use Path over Judy's Branch	<b>LOGGED BY</b>	SCI
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<b>SECTION</b>	<b>51-1R</b>	<b>LOCATION</b>	<b>Madison County, Illinois, SEC. 4, TWP. 3N, RNG. 8W</b>
		<b>Lat</b>	<b>38.741190</b>
		<b>Long</b>	<b>-90.002303</b>

**COUNTY** Madison **DRILLING METHOD** CME 550 w/HSA and Mud Rotary **HAMMER TYPE** Automatic

STRUCT. NO.	SN 060-7003
Station	11+32.26

<b>BORING NO.</b>	<b>B-24</b>
<b>Station</b>	<b>585+27</b>
<b>Offset</b>	<b>95 ft LT</b>
<b>Ground Surface Elev.</b>	<b>437.0</b>

**Brown CLAY (A-7), moist, stiff**  
*(continued)*

**Becomes gray and stiff**

Gray SILTY CLAY LOAM (A-6),  
moist, stiff

Gray and brown SANDY CLAY  
LOAM (A-6), trace gravel, moist,  
very stiff (glacial till)

Brown and gray CLAY LOAM  
(A-7), moist, stiff (till)

Surface Water Elev.	N/A	ft	D	B	U	M
Stream Bed Elev.	N/A	ft	E	L	C	O
			P	O	S	I
Groundwater Elev.:			T	W		S
First Encounter	N/A	ft	H	S	Qu	T
Upon Completion	N/A	ft				
After 24 Hrs.	427.6	ft	(ft)	(/6")	(tsf)	(%)

Brown and gray CLAY LOAM  
(A-7), moist, stiff (till) (continued)

	375.0	
Brown CLAY (A-7), moist, very stiff		

Grayish brown SILTY CLAY (A-6), trace organics, moist, medium stiff	3	0.7 B/20%	37
	4		

Grayish brown CLAY (A-7), trace organics, moist, medium stiff			
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	358.0	4		
Grayish brown CLAY LOAM (A-7),		5	1.6	22
trace gravel, moist, very stiff	-80	13	B/20%	

**The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)**  
**AASHTO Classifications are based on visual classifications unless otherwise noted**      **BBS, form 137 (Rev. 8-99)**



## Page 3 of 3

Date 2/22, 23/2021

ROUTE	DESCRIPTION	LOGGED BY
Route 157/162	Shared Use Path over Judy's Branch	SCI

SECTION	51-1R	LOCATION	Madison County, Illinois, SEC. 4, TWP. 3N, RNG. 8W
		Lat	38.741190 Long -90.002303

COUNTY Madison DRILLING METHOD CME 550 w/HSA and Mud Rotary HAMMER TYPE Automatic

STRUCT. NO. SN 060-7003  
Station 11+32.26

**BORING NO.** B-24  
**Station** 585+27  
**Offset** 95 ft LT  
**Ground Surface Elev.** 437.0

Grayish brown CLAY LOAM (A-7),  
trace gravel, moist, very stiff  
(continued)

Brown CLAY (A-7), moist, very stiff

Grayish brown SANDY CLAY  
LOAM (A-6), trace gravel, moist,  
very stiff

Gray CLAYEY SHALE, hard

Sampler Refusal at 90.25 feet.  
Borehole grouted upon  
completion.

**The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrator)**  
**AASHTO Classifications are based on visual classifications unless otherwise noted** BBS, form 137 (Rev. 8-99)

FILE NAME: \\loech-loc\cscat\Production\Files\2020\120-00\B\CAD\CADD Sheets\0876A46-sh1-SE Tables.dgn

PROPOSED IL ROUTE 157  
CURVES C50 AND C51

STATION	LEFT EDGE	SLOPE %	CENTERLINE	SLOPE %	RIGHT EDGE
572+24.35	452.13	-1.33	452.29	-0.92	452.18
572+50.00	452.26	-0.23	452.29	-1.15	452.15
572+75.00	452.39	0.84	452.29	-1.36	452.13
572+90.35	452.47	1.50	452.29	-1.50	452.11
573+00.00	452.53	1.94	452.30	-1.94	452.06
573+01.35	452.54	2.00	452.30	-2.00	452.06
573+50.00	452.51	2.00	452.27	-2.00	452.03
574+00.00	452.32	2.00	452.08	-2.00	451.84
574+50.00	451.96	2.00	451.71	-2.00	451.46
FULL SUPERELEVATION					
576+50.00	450.05	2.00	449.72	-2.00	449.39
577+00.00	449.57	2.00	449.22	-2.00	448.87
577+50.00	449.09	2.00	448.72	-2.00	448.35
577+75.11	448.85	2.00	448.47	-2.00	448.09
577+93.11	448.59	1.50	448.30	-1.50	447.99
578+00.00	448.48	1.32	448.23	-1.50	447.91
578+25.00	448.11	0.65	447.98	-1.50	447.65
578+50.00	447.74	-0.02	447.75	-1.50	447.39
578+75.00	447.40	-0.69	447.53	-1.50	447.16
579+00.00	447.07	-1.36	447.34	-1.50	446.94
579+05.11	447.00	-1.50	447.30	-1.50	446.90
579+50.00	446.71	-1.50	447.01	-1.50	446.57
580+00.00	446.45	-1.50	446.75	-1.50	446.28
580+50.00	446.27	-1.50	446.57	-1.50	446.09
NORMAL CROWN					
591+50.00	450.51	-1.50	450.78	-1.50	450.33
592+00.00	451.03	-1.50	451.30	-1.50	450.85
592+50.00	451.50	-1.64	451.79	-1.04	451.41
592+80.47	451.70	-1.72	452.01	-0.76	451.86

PROPOSED IL ROUTE 162  
CURVES J12 AND J2

STATION	LEFT EDGE	SLOPE %	CENTERLINE	SLOPE %	RIGHT EDGE
6+91.56	438.26	-1.66	438.46	-1.25	438.31
7+00.00	438.27	-1.63	438.47	-1.29	438.31
7+42.06	438.34	-1.50	438.52	-1.50	438.34
7+50.00	438.39	-1.19	438.54	-1.50	438.36
7+75.00	438.60	-0.22	438.62	-1.50	438.44
8+00.00	438.84	0.76	438.75	-1.50	438.57
8+19.06	439.06	1.50	438.88	-1.50	438.70
8+25.00	439.13	1.73	438.92	-1.73	438.71
8+50.00	439.45	2.71	439.13	-2.71	438.80
8+75.00	439.82	3.68	439.38	-3.68	438.93
9+00.00	440.22	4.65	439.66	-4.65	439.11
9+25.00	440.67	5.63	439.99	-5.63	439.32
9+34.56	440.85	6.00	440.13	-6.00	439.41
9+50.00	441.08	6.00	440.36	-6.00	439.64
10+00.00	441.96	6.00	441.21	-6.00	440.47
10+50.00	443.03	6.00	442.23	-6.00	441.42
10+56.48	443.18	6.00	442.37	-6.00	441.56
10+75.00	443.54	5.44	442.79	-5.44	442.03
11+00.00	444.03	4.68	443.35	-4.68	442.68
11+25.00	444.47	3.92	443.89	-3.92	443.30
11+50.00	444.86	3.17	444.38	-3.17	443.89
11+75.00	445.20	2.41	444.82	-2.41	444.44
12+00.00	445.49	1.65	445.22	-1.65	444.95
12+04.98	445.54	1.50	445.29	-1.50	445.05
12+25.00	445.72	0.89	445.57	-1.50	445.32
12+50.00	445.90	0.14	445.88	-1.50	445.62
12+75.00	446.03	-0.62	446.14	-1.50	445.87
13+00.00	446.10	-1.38	446.35	-1.50	446.08
13+03.98	446.11	-1.50	446.38	-1.50	446.11
13+50.00	446.35	-1.50	446.64	-1.50	446.35
14+00.00	446.45	-1.50	446.75	-1.50	446.42
14+50.00	446.38	-1.50	446.68	-1.50	446.31
NORMAL CROWN					
20+50.00	445.95	-1.50	446.43	-1.50	446.09
21+00.00	446.20	-1.50	446.68	-1.50	446.38
21+50.00	446.50	-1.50	446.98	-1.50	446.68
21+95.74	446.75	-1.50	447.23	-1.50	446.93
22+00.00	446.81	-1.39	447.25	-1.50	446.95
22+50.00	447.45	-0.08	447.47	-1.50	447.18
23+00.00	447.97	1.22	447.65	-1.50	447.37
23+10.74	448.06	1.50	447.69	-1.50	447.41
23+50.00	448.36	2.47	447.81	-2.47	447.36
24+00.00	448.67	3.71	447.96	-3.71	447.31
24+50.00	448.95	4.95	448.13	-4.95	447.32
24+68.24	449.10	5.40	448.23	-5.40	447.36
25+00.00	449.29	5.40	448.45	-5.40	447.61
25+50.00	449.71	5.40	448.93	-5.40	448.14
26+00.00	450.29	5.40	449.56	-5.40	448.83
26+49.12	451.01	5.40	450.33	-5.40	449.66
26+50.00	451.02	5.37	450.35	-5.42	449.67
26+74.52	451.34	4.56	450.79	-6.08	450.06



USER NAME	• atex.huelskamp
MODEL NAME	• SE 01
PLOT SCALE	• 40,00000 ' / in.
PLOT DATE	• 3/5/2024

DESIGNED	-	ESW
DRAWN	-	LEC
CHECKED	-	BRM
DATE	-	10/8/2021

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUPERELEVATION TABLES IL ROUTE 157 AND IL ROUTE 162			
SCALE: NONE	SHEET	1 OF 1	SHEETS
Superelevation Tables-01			


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	51-1R	MADISON	296	234
CONTRACT NO. 76A46				
ILLINOIS		FED. AID PROJECT		





ORIGINAL			BY	DATE
SURVEY				
PLOTTED				
TEMPERATURE				
AREAS				
AREAS CHECKED				
NO.				



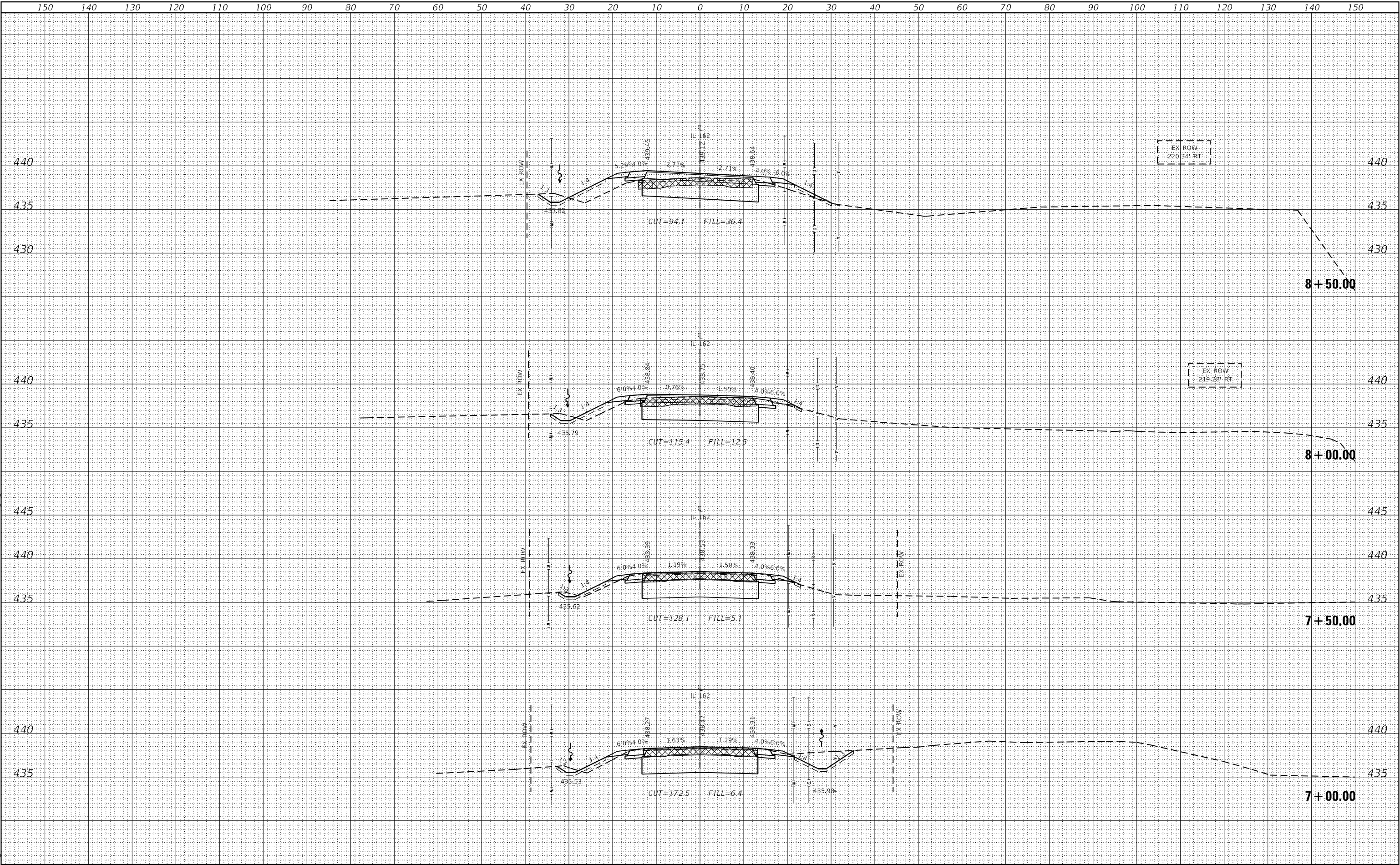
 <b>FUHRMANN</b> ENGINEERING WWW.FUHRMANN-ENG.COM	USER NAME = untitled	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>ILLINOIS ROUTE 162 CROSS SECTIONS</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						*	51-1R	MADISON	296	236
	PLOT SCALE = 20,0000 ' / in.	CHECKED -	REVISED -						CONTRACT NO. 76A46				
	PLOT DATE = 10/15/2024	DATE -	REVISED -		SCALE: 1"=10'	SHEET 1 OF 22 SHEETS	STA. 5+00.00 TO STA. 6+91.56						
								ILLINOIS	FED. AID PROJECT				



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

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

MODEL: FILE NAME: G:\FEDRIS\2020\20-1581\_PTB 195-57 REALIGNMENT IL 162 AT IL 137 PH II D-58-000-04 - FEI PRIME/CADD/CADD Sheet 036-23 - DB76445-STA-K55H-FEI\_PIL 162.dgn



USER NAME = untitled  
DESIGNED -  
DRAWN -  
PLOT SCALE = 20,0000 \* / in.  
PLOT DATE = 10/15/2024

DESIGNED -  
DRAWN -  
CHECKED -  
DATE -

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 162 CROSS SECTIONS

SCALE: 1"=10' SHEET 2 OF 22 SHEETS STA. 7+00.00 TO STA. 8+50.00

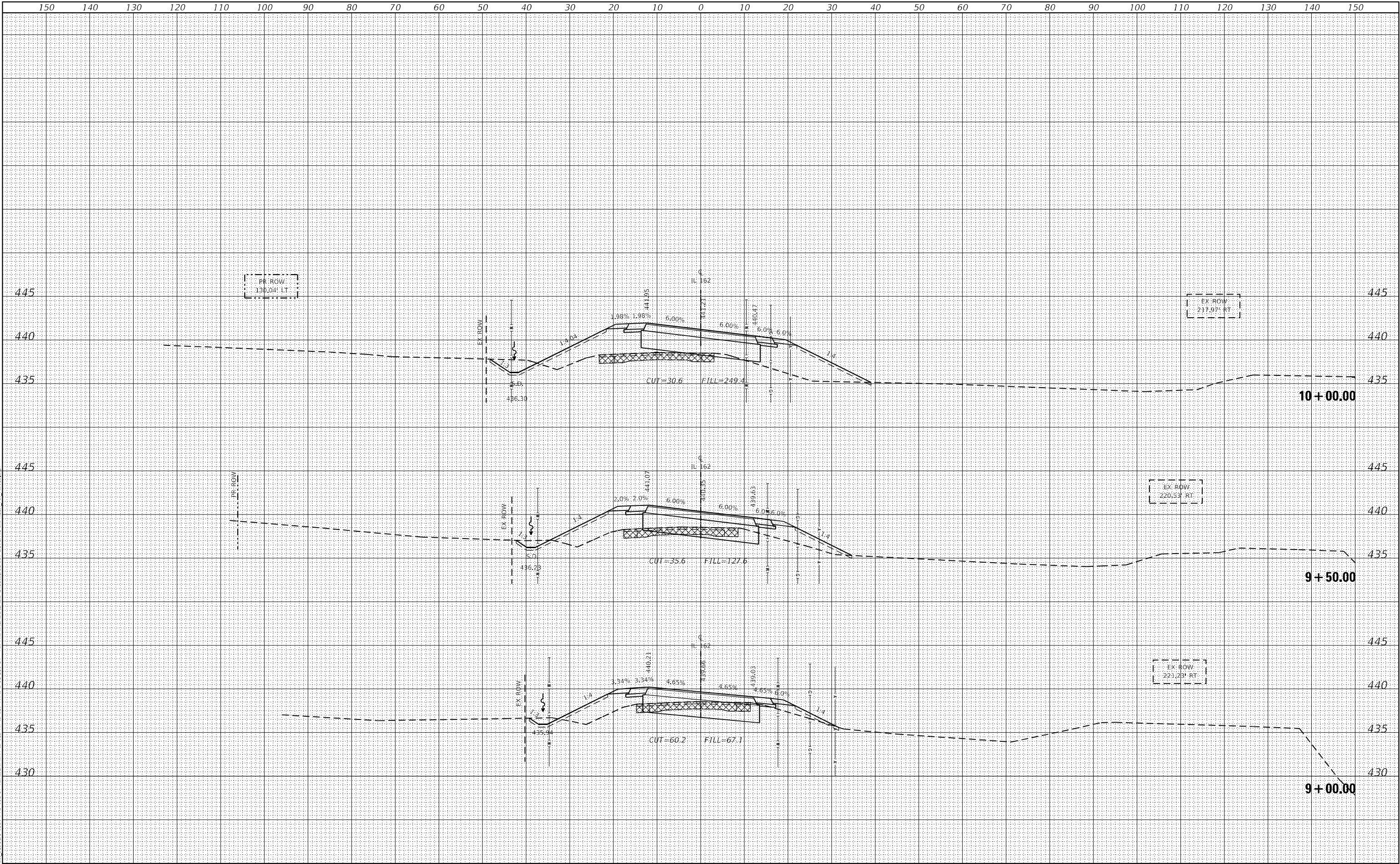
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	51-1R	MADISON	296	237
CONTRACT NO. 76A46				

\* 586/592

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

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

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USER NAME = untitled  
DESIGNED -  
DRAWN -  
PLOT SCALE = 20,000 \* / in.  
PLOT DATE = 10/15/2024

DESIGNED -  
DRAWN -  
CHECKED -  
DATE -

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 162 CROSS SECTIONS

SCALE: 1"=10' SHEET 3 OF 22 SHEETS STA. 9+00.00 TO STA. 10+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	51-1R	MADISON	296	238
CONTRACT NO. 76A46				

\* 586/592



ORIGINAL			BY	DATE
SURVEY				
PLOTTED				
TEMPERATURE				
AREAS				
AREAS CHECKED				
NO.				



USER NAME = untitled	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/15/2024	DATE -	REVISED -

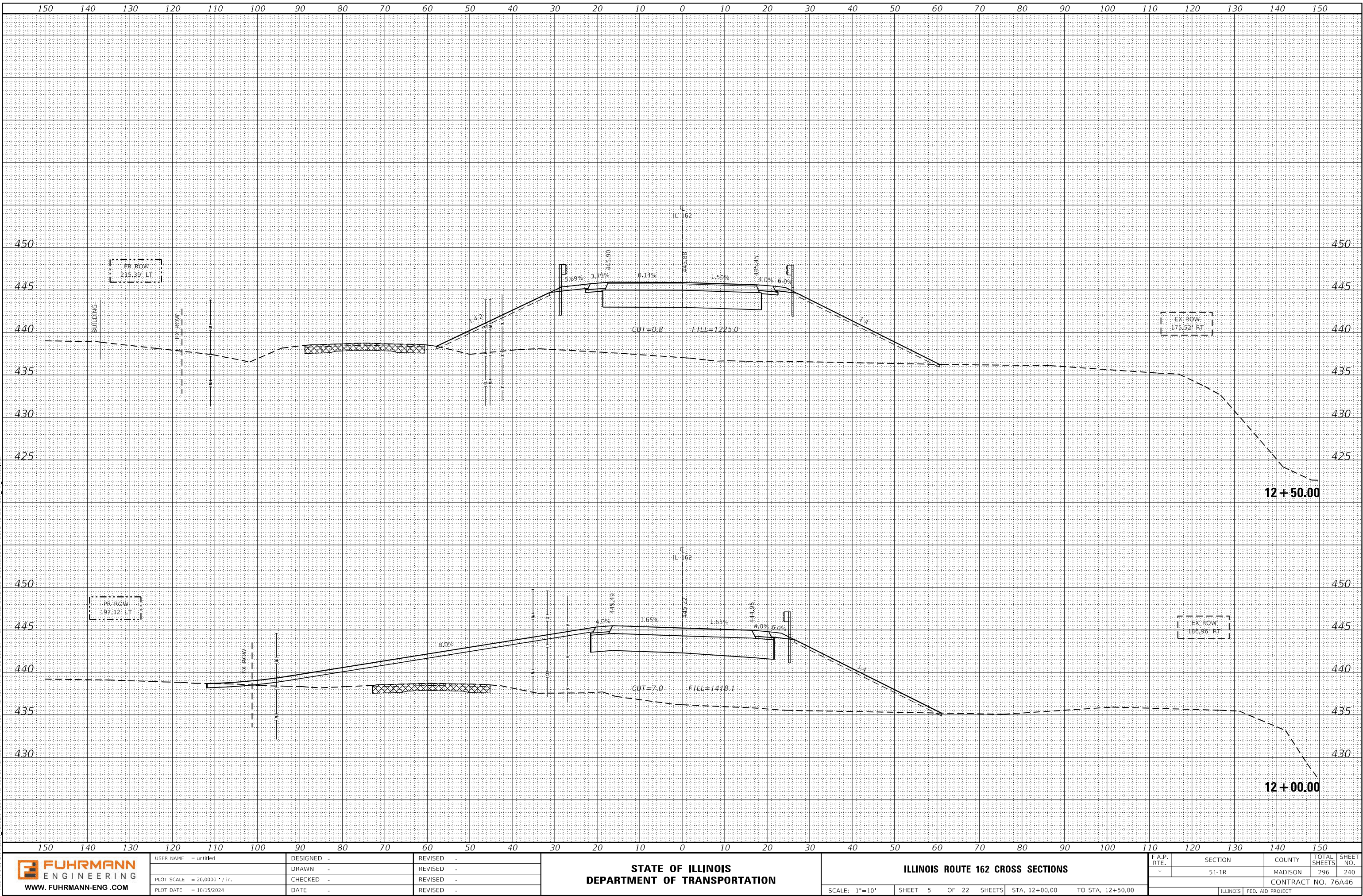
## ILLINOIS ROUTE 162 CROSS SECTIONS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	51-1R	MADISON	296	239
		CONTRACT NO. 76A46		
ILLINOIS		FED. AID PROJECT		

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

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

MODEL: FILE NAME: G:\Projects\2020\20-1581\_PTB\_195-57\_REALIGNMENT\_IL\_162\_AT\_IL\_137\_P111.DWG (CADD) Sheet 02-23-12B76445-AHS-SSH-FE\_P11162.dwg

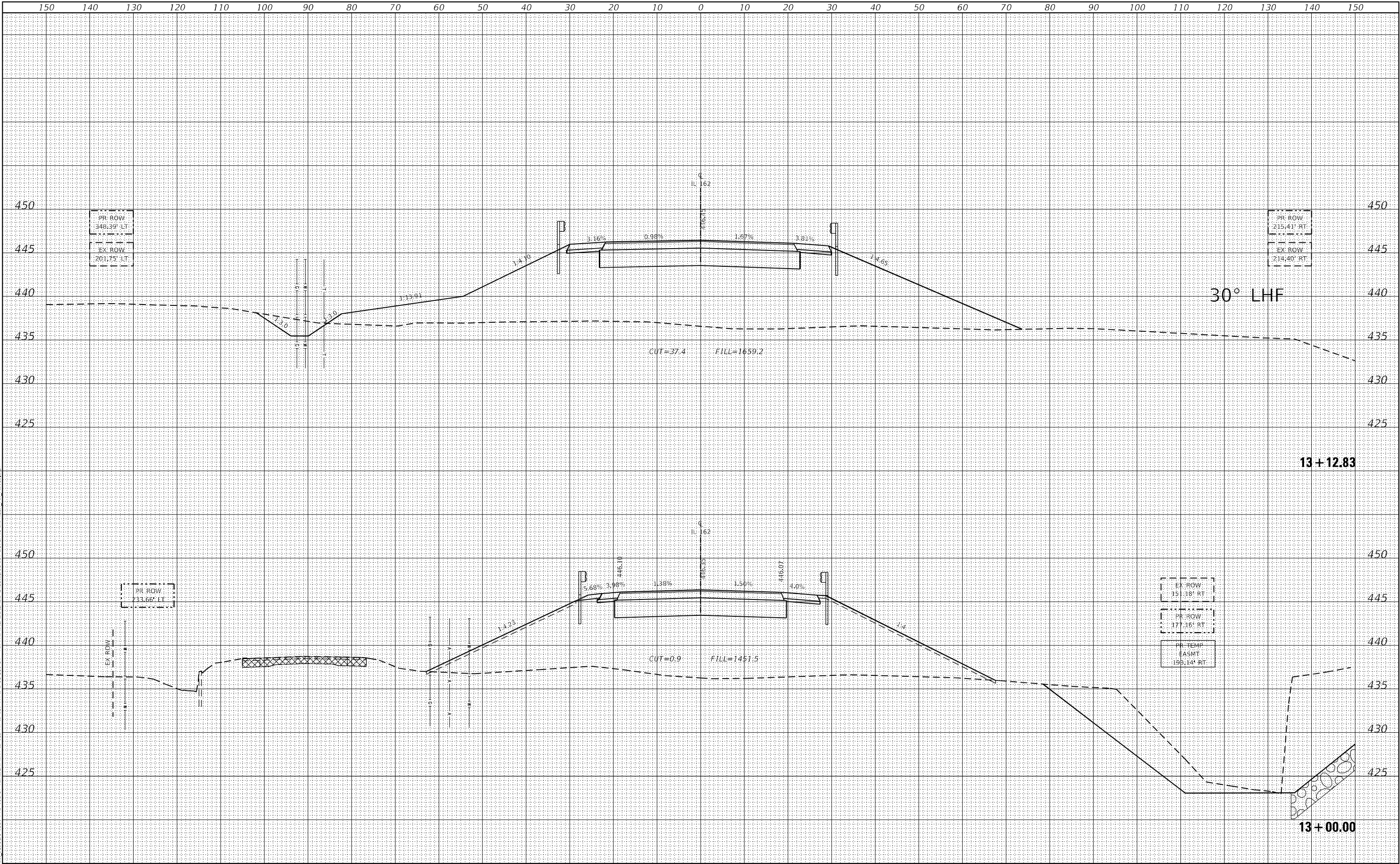




FINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

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

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USER NAME = untitled  
DESIGNED -  
DRAWN -  
PLOT SCALE = 20,0000 \* / in.  
PLOT DATE = 10/15/2024

DESIGNED -  
DRAWN -  
CHECKED -  
DATE -

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 162 CROSS SECTIONS

SCALE: 1"=10' SHEET 6 OF 22 SHEETS STA. 13+00.00 TO STA. 13+12.83

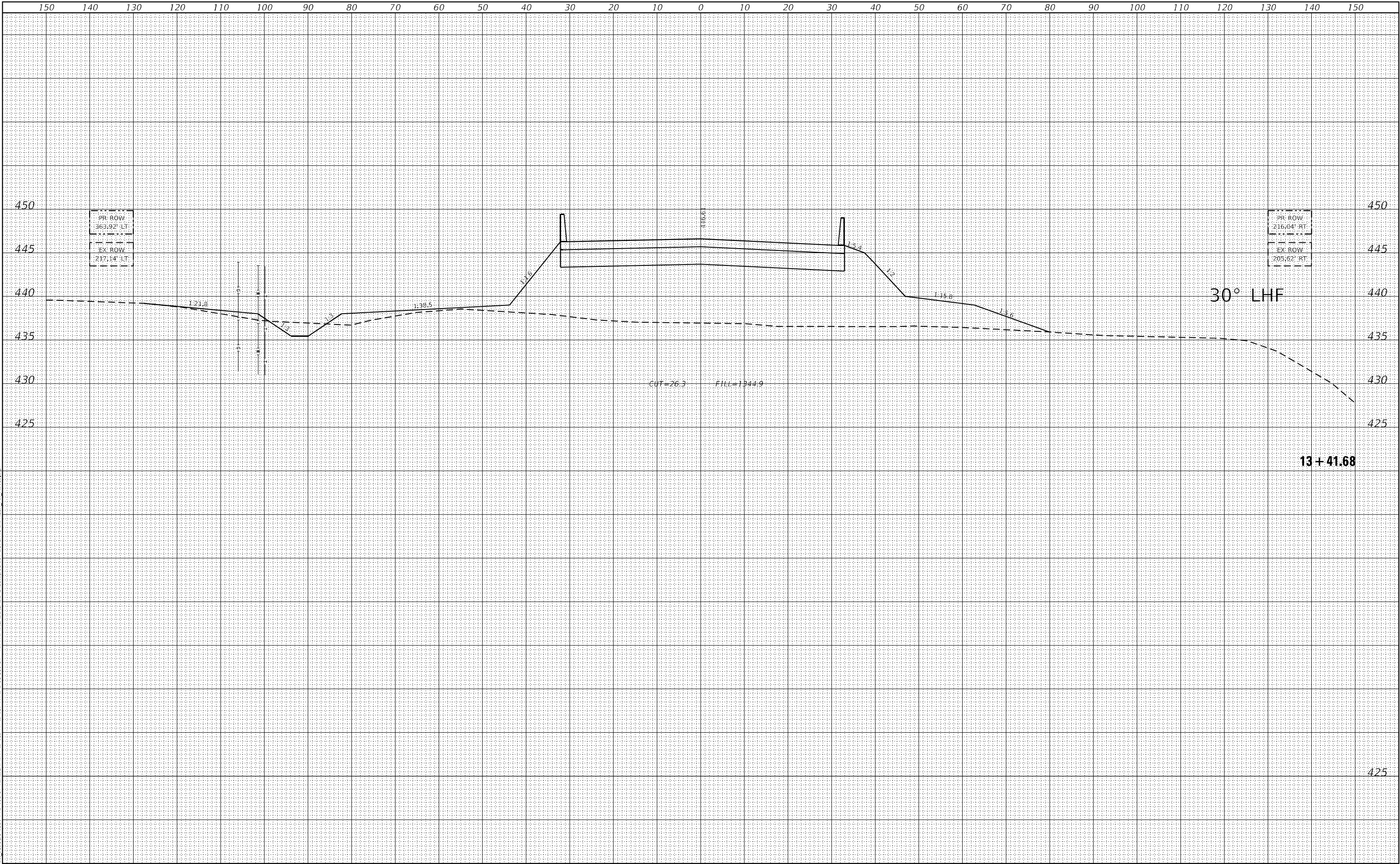
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	51-1R	MADISON	296	241
CONTRACT NO. 76A-46				

\* 586/592

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

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

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PROJECT: 195-57 REALIGNMENT IL 162 AT IL 137 P411  
SHEET: 162 OF 22  
DATE: 10/15/2024

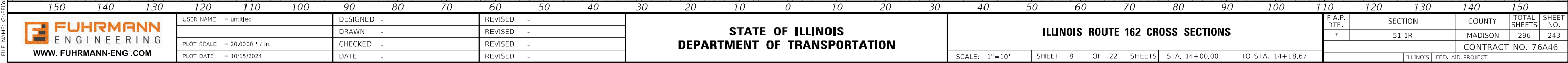


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	DRAWN -	REVISED -
PLOT SCALE = 20,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 10/15/2024	DATE -	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	51-1R	MADISON	296	242
CONTRACT NO. 76A46				
ILLINOIS FED. AID PROJECT				




ORIGINAL			BY	DATE
SURVEY				
PLOTTED				
TEMPERATURE				
AREAS				
AREAS CHECKED				
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ORIGINAL			BY	DATE
SURVEY				
PLOTTED				
TEMPERATURE				
AREAS				
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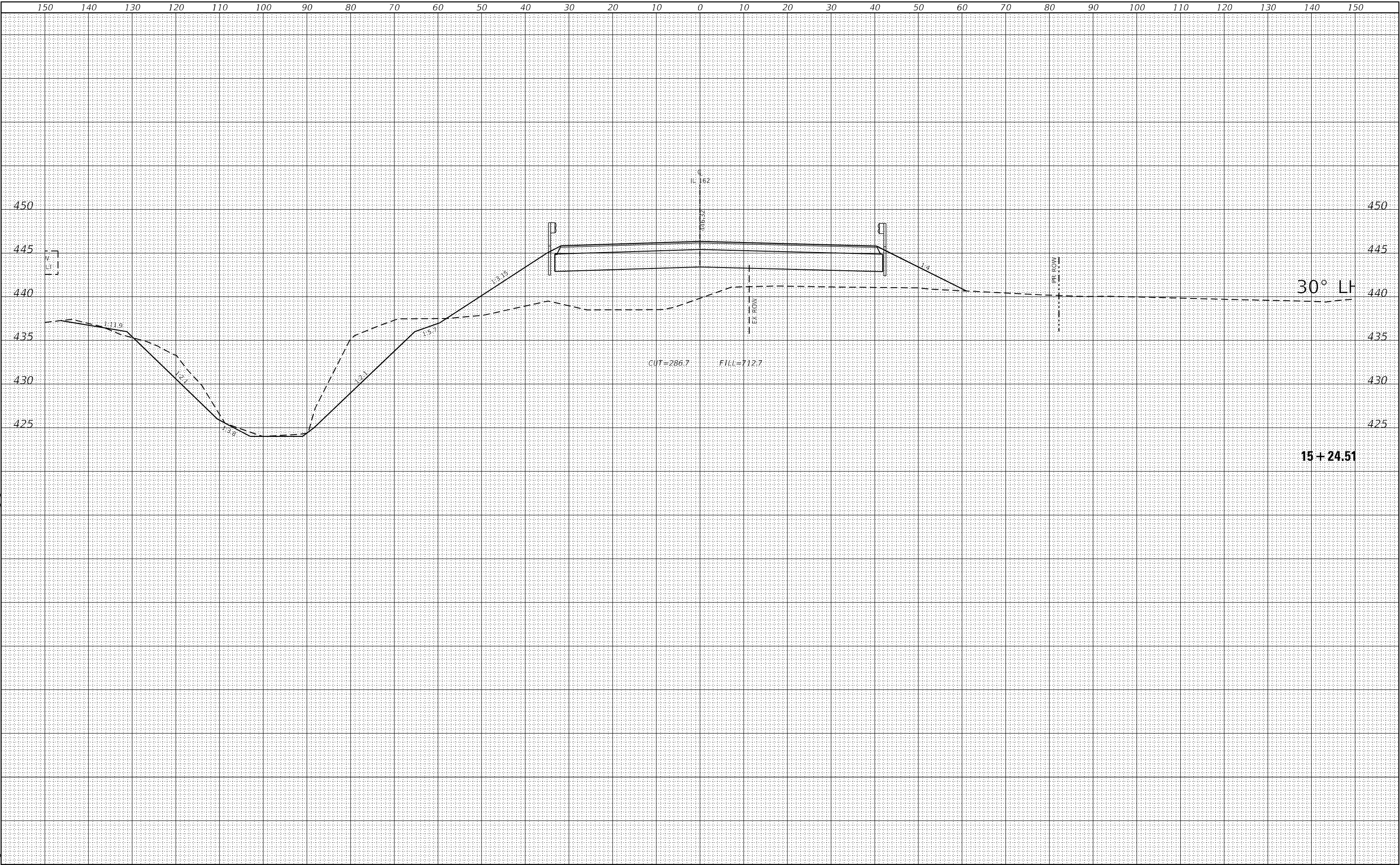
 <b>FUHRMANN</b> ENGINEERING WWW.FUHRMANN-ENG.COM	USER NAME = untitled	DESIGNED -	REVISED -	<div>STATE OF ILLINOIS</div> <div>DEPARTMENT OF TRANSPORTATION</div>	ILLINOIS ROUTE 162 CROSS SECTIONS										F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 20,0000' / in.	DRAWN -	REVISED -		*	51-1R	MADISON	296	244										
	PLOT DATE = 10/15/2024	CHECKED -	REVISED -		CONTRACT NO. 76A46														
		DATE -	REVISED -		SCALE: 1"=10'	SHEET 9 OF 22 SHEETS	STA. 14+50.00 TO STA. 14+95.66	ILLINOIS	FED. AID PROJECT										
	<small>± 586/592</small>																		



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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PROJECT: 195-57 REALIGNMENT IL 162 AT 11.137 MI  
SHEET: 162 OF 22  
DATE: 10/15/2024



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PLOT DATE = 10/15/2024  
DATE -

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REVISIED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 162 CROSS SECTIONS

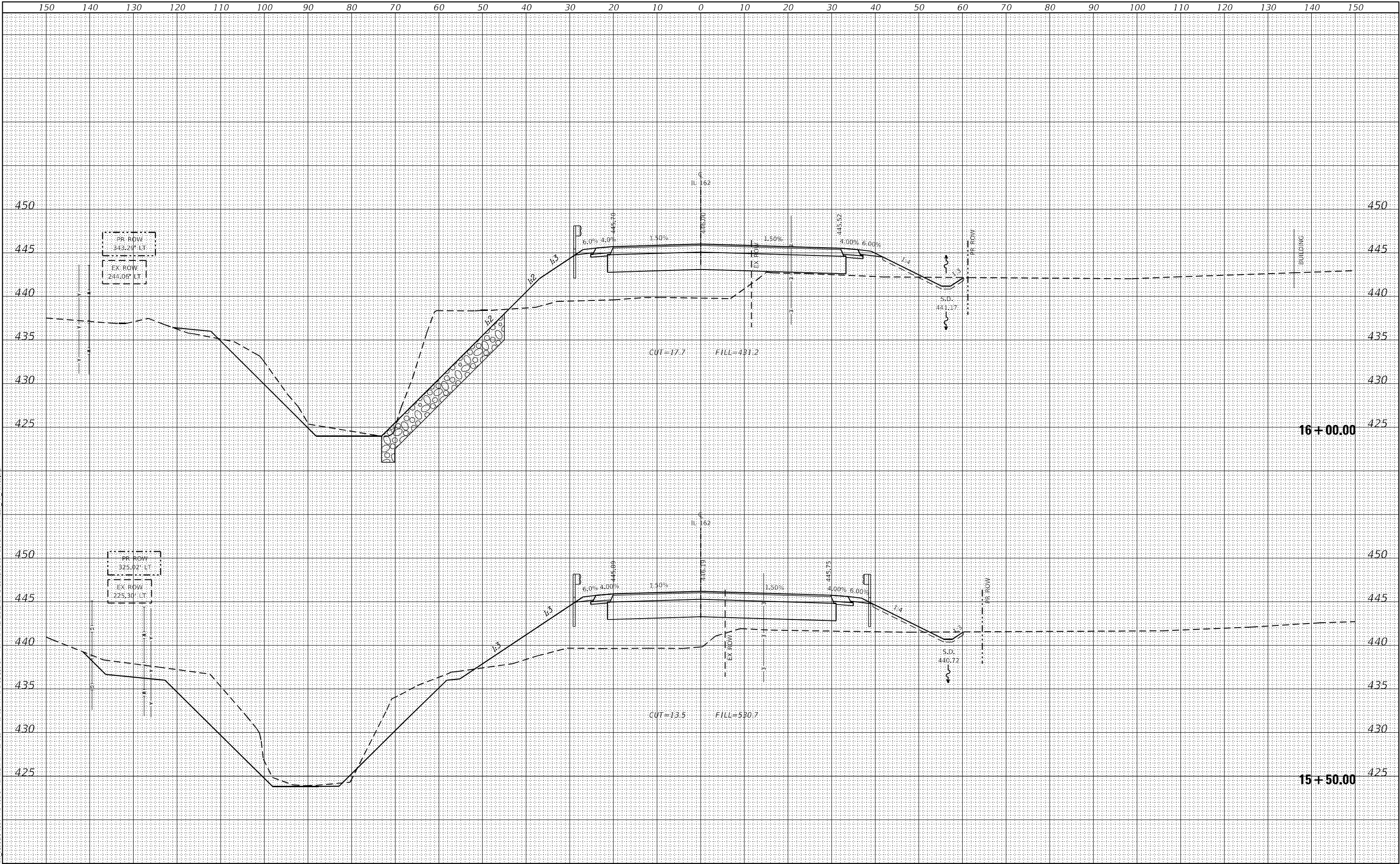
SCALE: 1"=10' SHEET 10 OF 22 SHEETS STA. 15+24.51 TO STA. 15+24.51

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	51-1R	MADISON	296	245
CONTRACT NO. 76A46				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: FILE NAME: G:\FEDRHS\2020\20-1581\_PTB\_05-57\_REALIGNMENT\_IL\_162\_AT\_IL\_157\_P111.DWG ILLINOIS ROUTE 162 CROSS SECTIONS - FEI PRIME/CADD/CADD\_SHEET/05-57-0876445-ATK/SSN\_FEI\_P11162.dwg

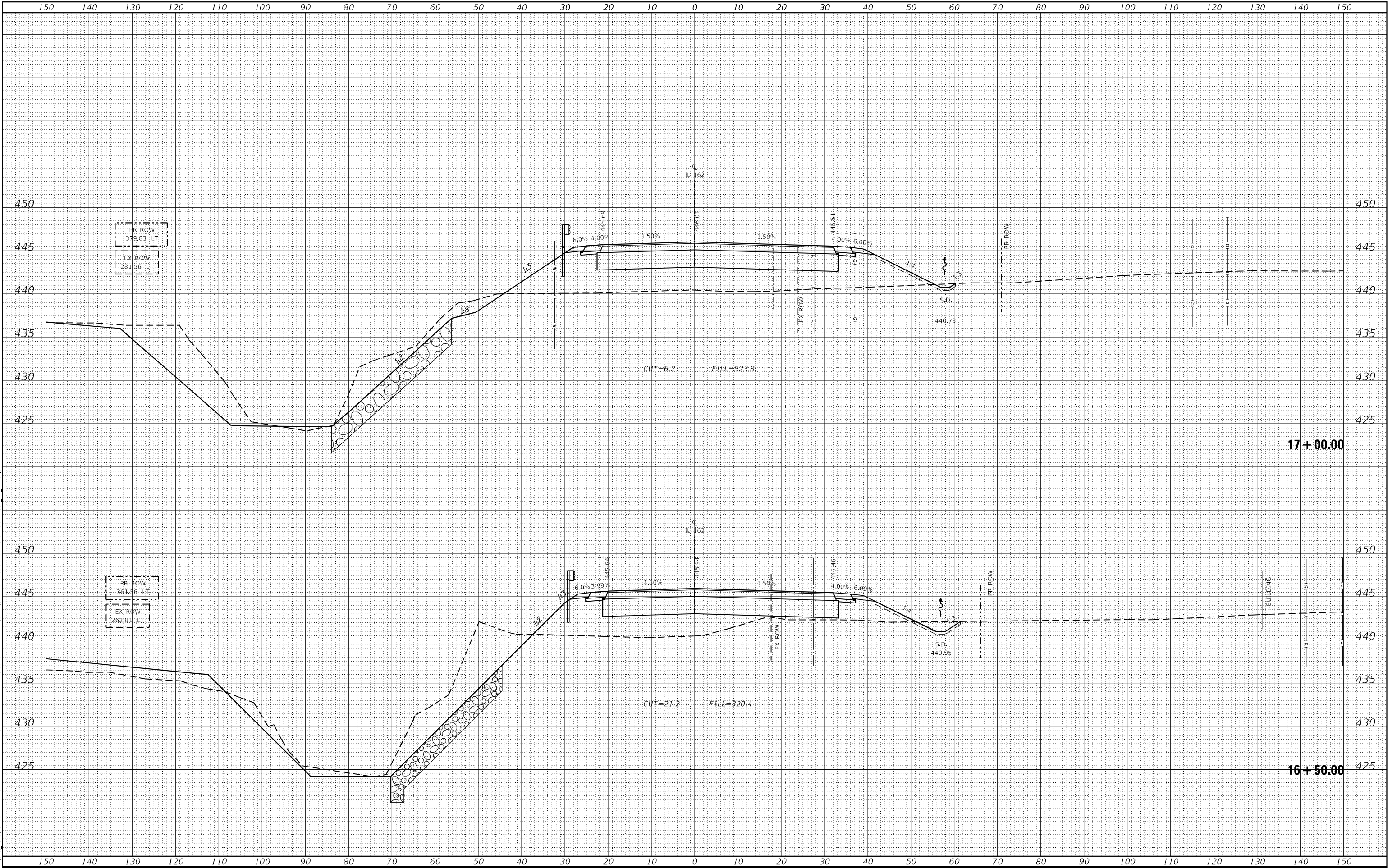




FINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

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

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PROJECT: 2020-20-1581\_PTB\_195-57\_REALIGNMENT\_IL\_162.dwg  
SHEET: 162 OF 117  
DATE: 10/15/2024

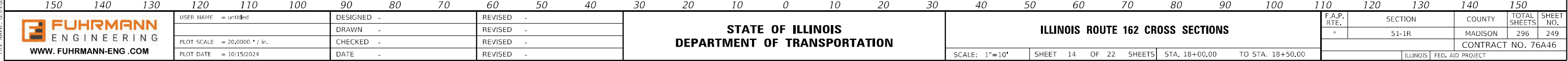


ORIGINAL SURVEY		SURVEYED _____	BY _____	DATE _____
NOTE BOOK		PLOTTED _____		
		TEMPLATE _____		
		AREAS _____		
NO. _____		AREAS CHECKED _____		





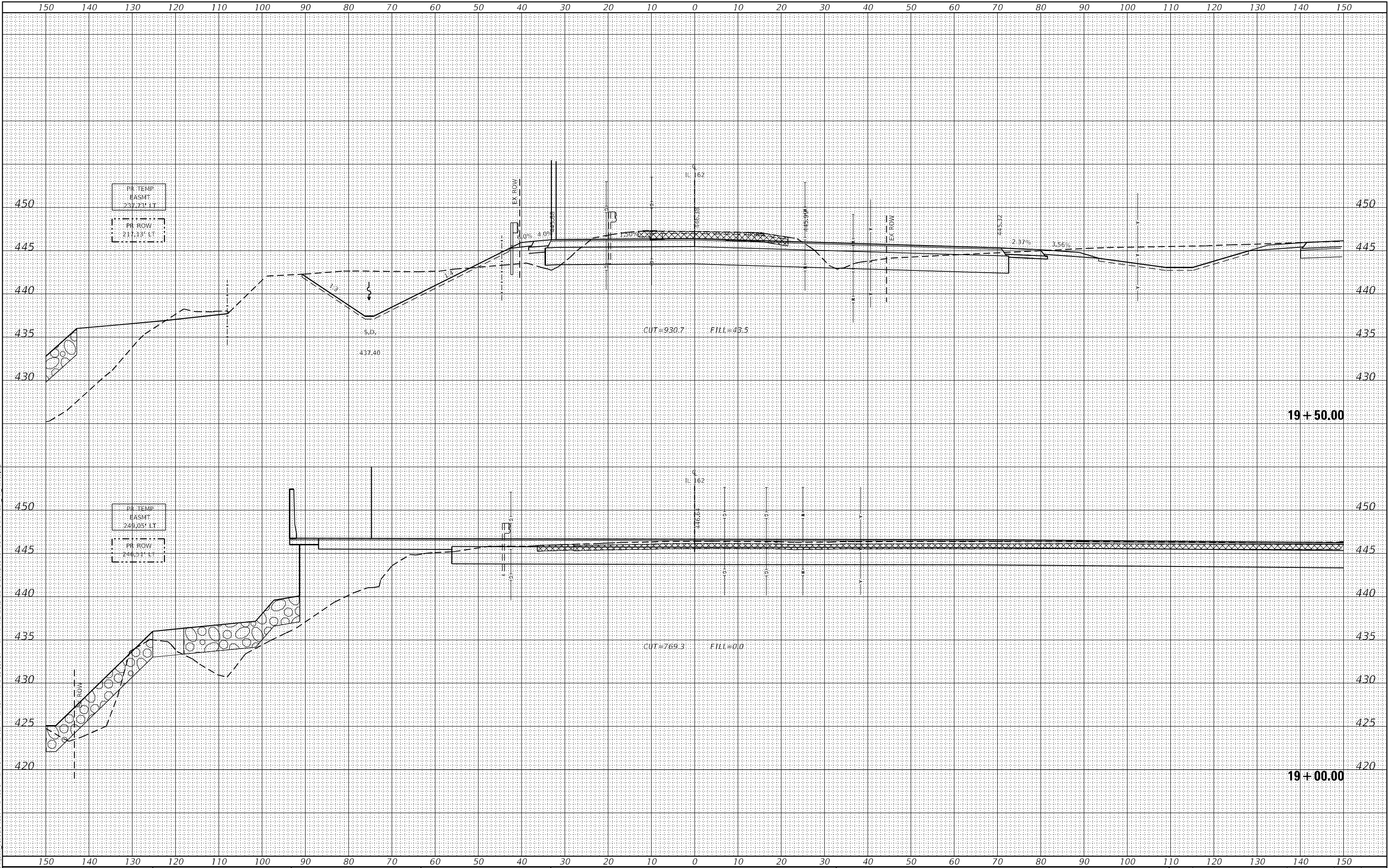
ORIGINAL			BY	DATE
SURVEY				
PLOTTED				
TEMPERATURE				
AREAS				
AREAS CHECKED				
NO.				



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

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

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PROJECT: 2020-20-1581\_PTB\_19-53\_REALIGNMENT\_IL\_162.dwg  
SHEET: 162 OF 162  
DATE: 10/15/2024



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PLOT SCALE = 20,000 \* / in.  
PLOT DATE = 10/15/2024

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DRAWN -  
CHECKED -  
DATE -

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REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 162 CROSS SECTIONS

SCALE: 1"=10' SHEET 15 OF 22 SHEETS STA. 19+00.00 TO STA. 19+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	51-1R	MADISON	296	250
CONTRACT NO. 76A46				

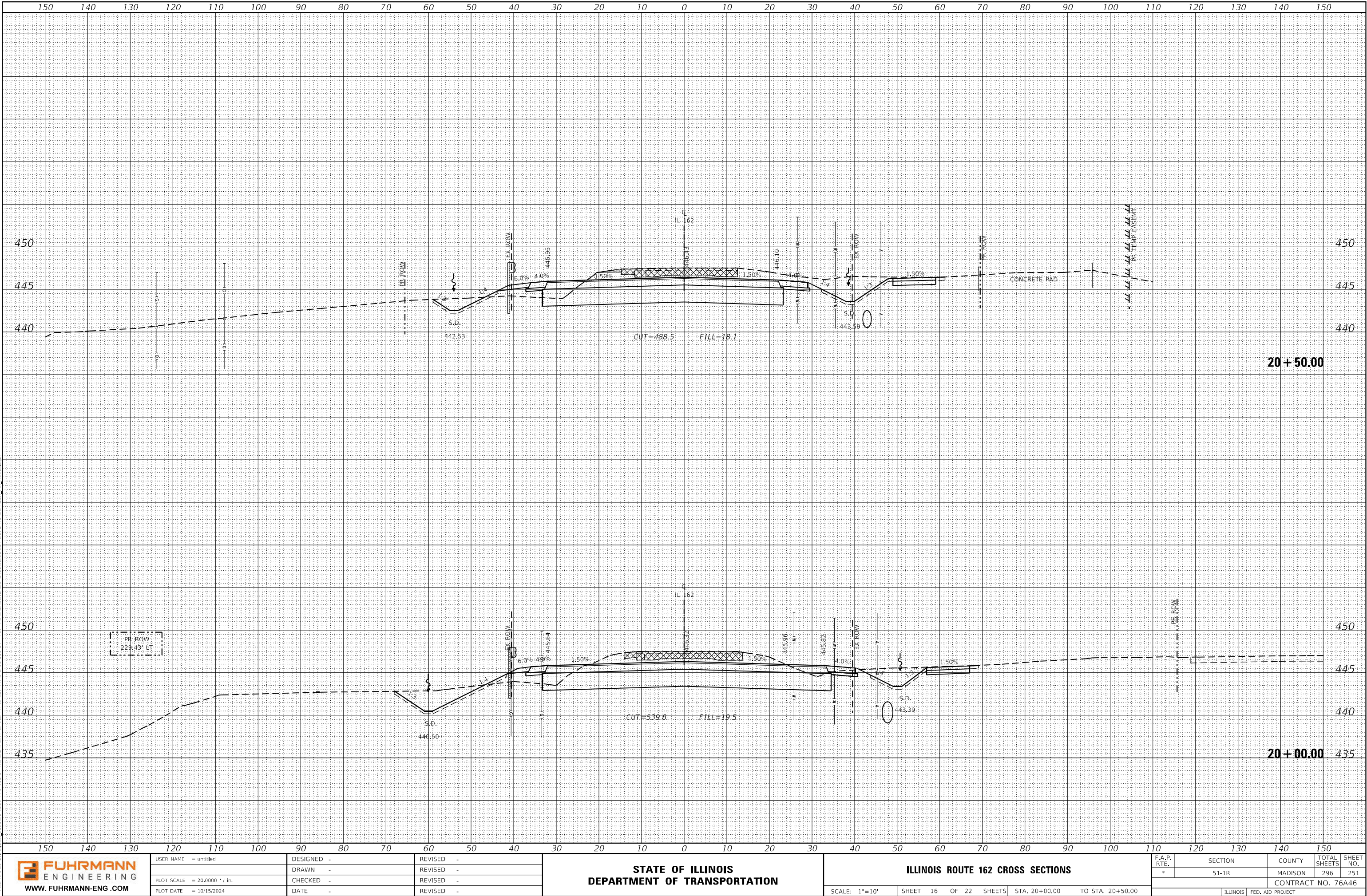
ILLINOIS FED. AID PROJECT



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

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

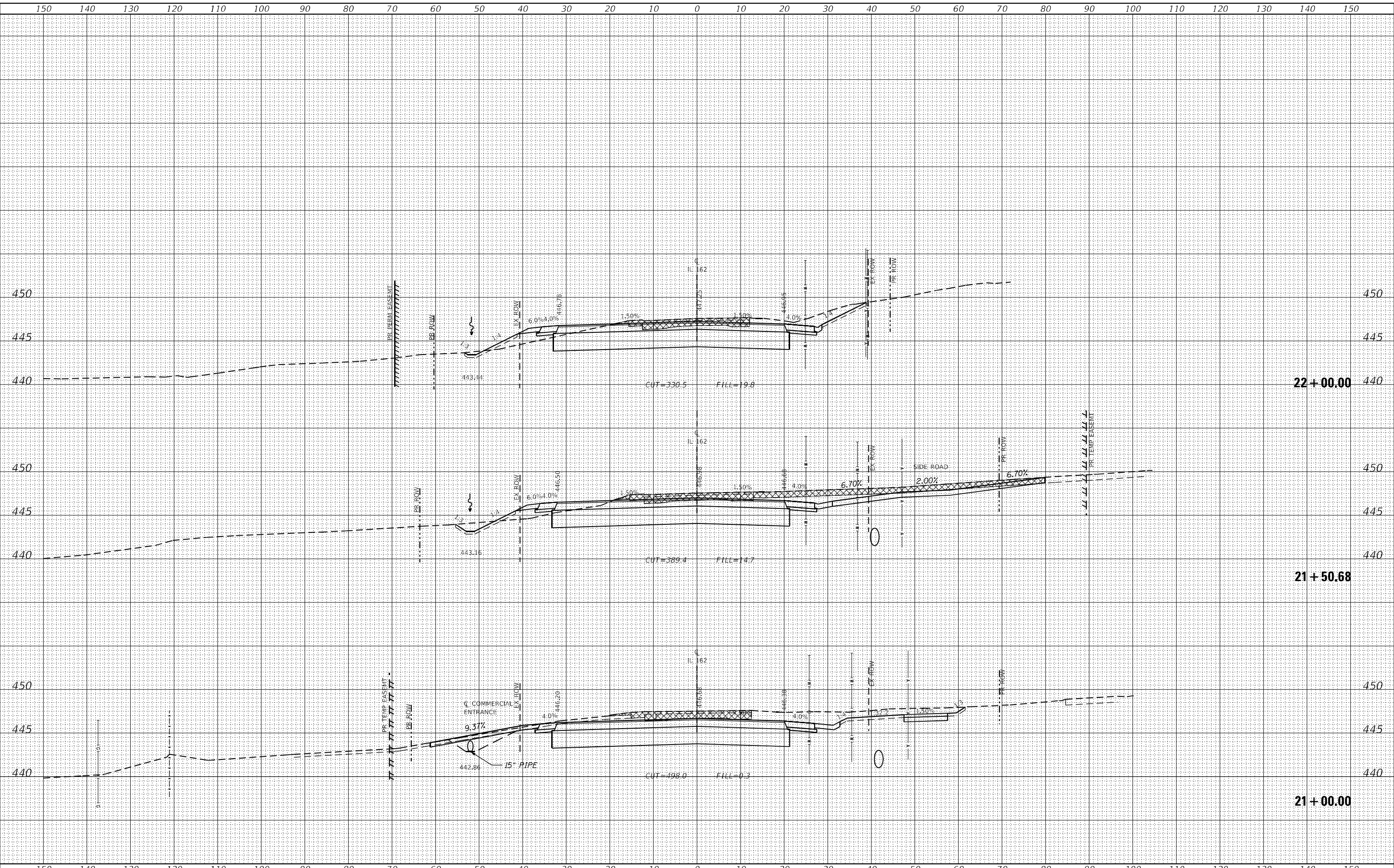
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FINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

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

MODEL: FILE NAME: G:\FILES\2020\20-1581\_PTB\_05-57\_REALIGNMENT\_IL\_162\_AT\_IL\_157\_P4\_IL\_158-005-04 - FEI PRIME\CADD\CADD\_SHEET\036-23-DB\6445-AKS\SSW-FE\_IL\_162.dgn



USER NAME = untitled	DESIGNED -	REVISED -
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PLOT SCALE = 20,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 10/15/2024	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 162 CROSS SECTIONS

SCALE: 1"=10' SHEET 17 OF 22 SHEETS STA. 21+00.00 TO STA. 22+00.00

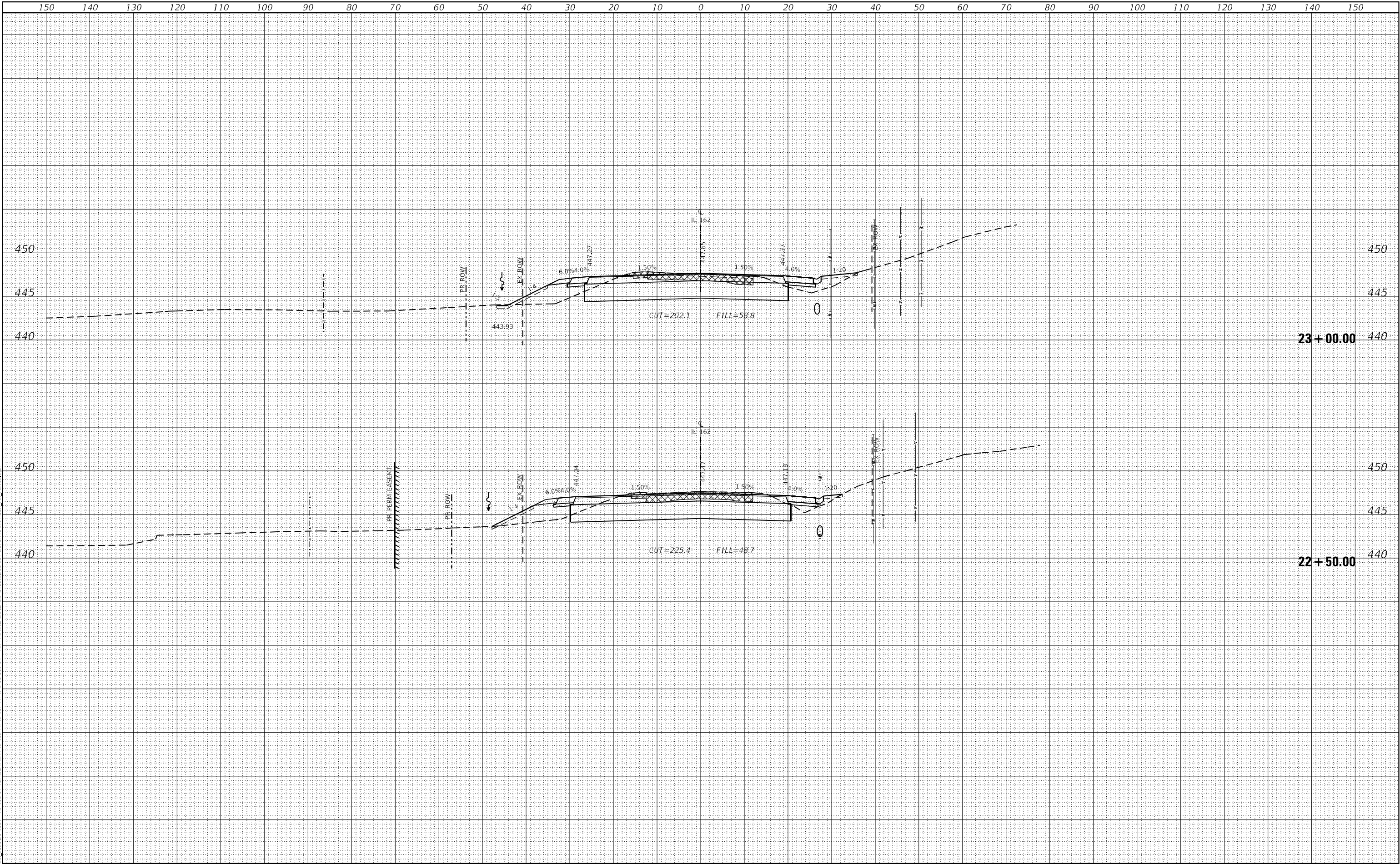
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	51-1R	MADISON	296	252
CONTRACT NO. 76A46				
ILLINOIS FED. AID PROJECT				



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

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

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USER NAME = untitled	DESIGNED -	REVISED -
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PLOT DATE = 10/15/2024	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 162 CROSS SECTIONS

SCALE: 1"=10' SHEET 18 OF 22 SHEETS STA. 22+50.00 TO STA. 23+00.00

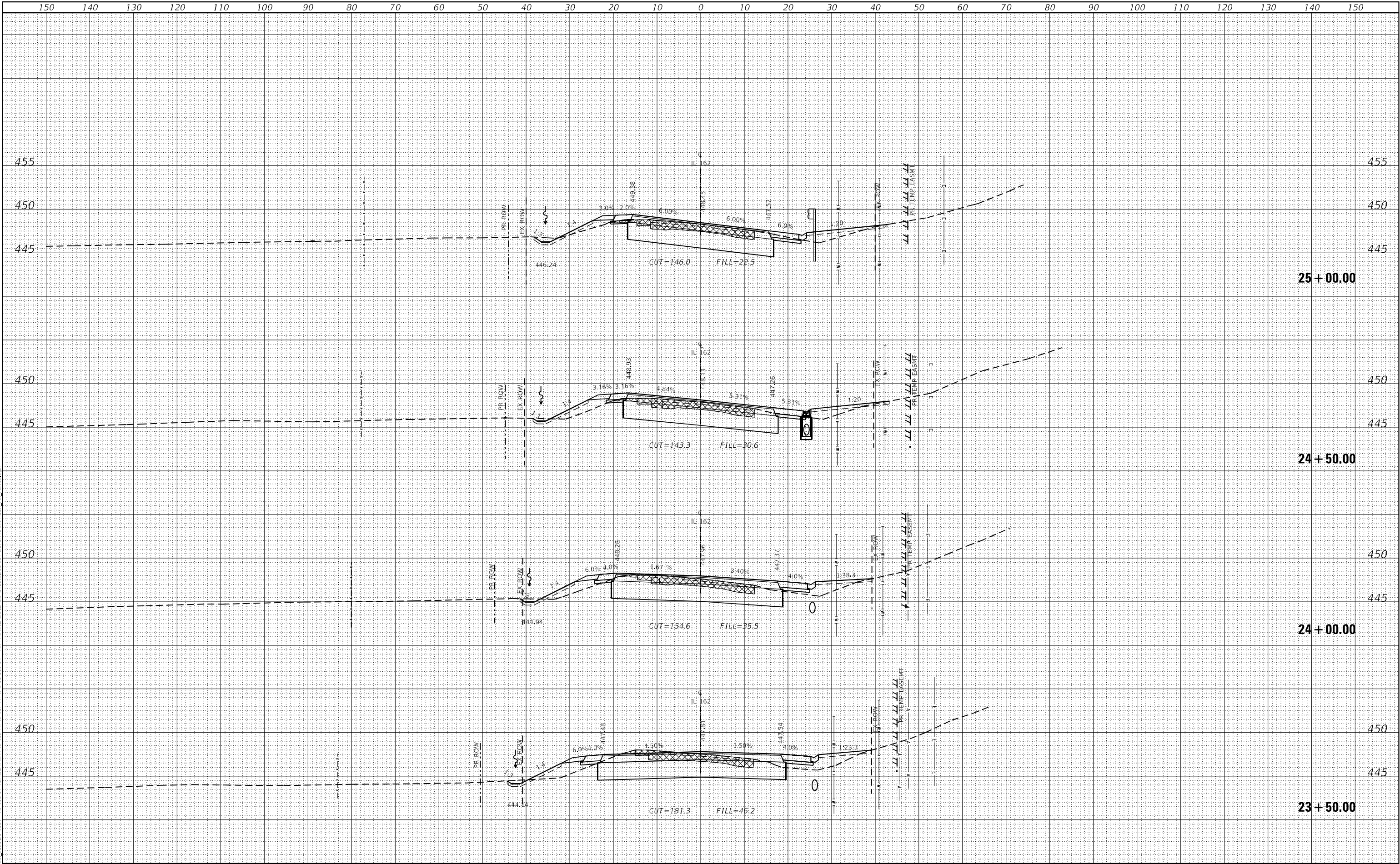
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	51-1R	MADISON	296	253
CONTRACT NO. 76A46				
ILLINOIS FED. AID PROJECT				

\* 586/592

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

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

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PLOT SCALE = 20,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 10/15/2024	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 162 CROSS SECTIONS

SCALE: 1"=10' SHEET 19 OF 22 SHEETS STA. 23+50.00 TO STA. 25+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	51-1R	MADISON	296	254
CONTRACT NO. 76A46				

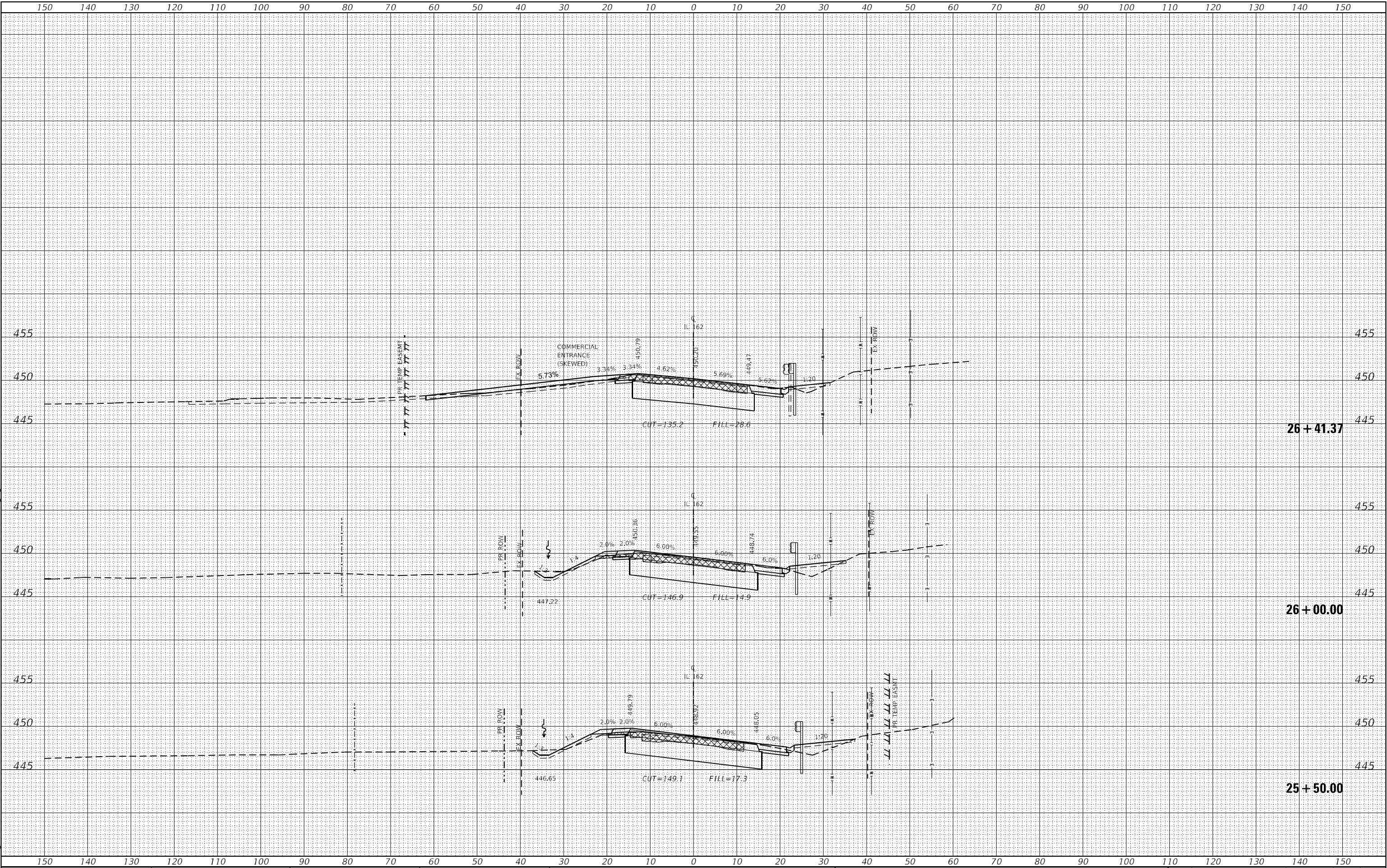
\* 586/592



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

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

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SHEET: 25 OF 22 SHEETS  
STA. 25+50.00 TO STA. 26+41.37



USER NAME = untitled	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 10/15/2024	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 162 CROSS SECTIONS

SCALE: 1"=10' SHEET 20 OF 22 SHEETS STA. 25+50.00 TO STA. 26+41.37

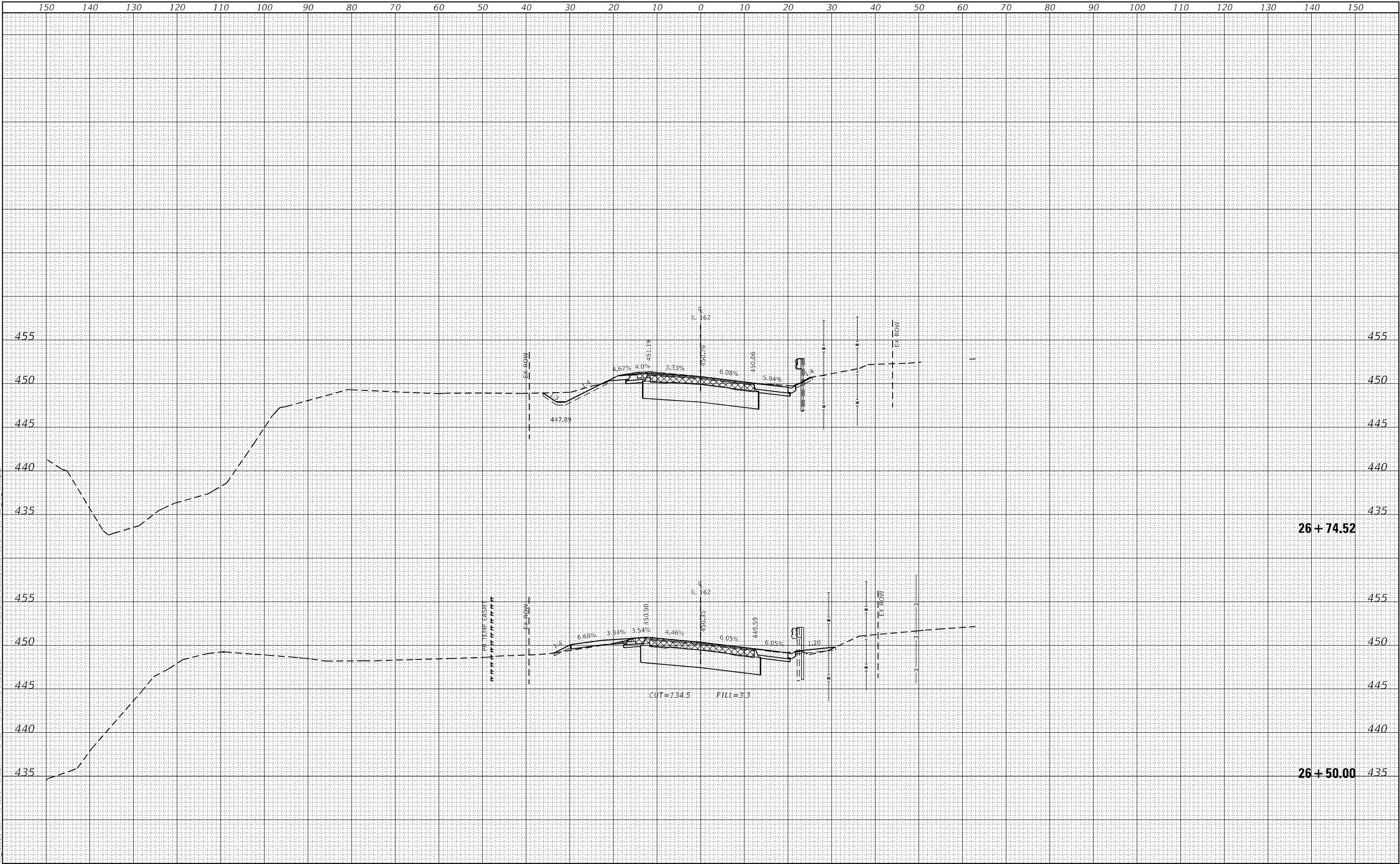
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	51-1R	MADISON	296	255
CONTRACT NO. 76A46				

\* 586/592

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

ORIGINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
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PLOT DATE = 10/15/2024

DESIGNED -  
DRAWN -  
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DATE -

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REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 162 CROSS SECTIONS

SCALE: 1"=10' SHEET 21 OF 22 SHEETS STA. 26+50.00 TO STA. 26+74.52

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	51-1R	MADISON	296	256
CONTRACT NO. 76A46				

\* 586/592



ORIGINAL			BY	DATE
SURVEY				
PLOTTED				
TEMPERATURE				
AREAS				
AREAS CHECKED				
NO.				



USER NAME = untitled	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 10/15/2024	DATE -	REVISED -

## ILLINOIS ROUTE 162 CROSS SECTIONS

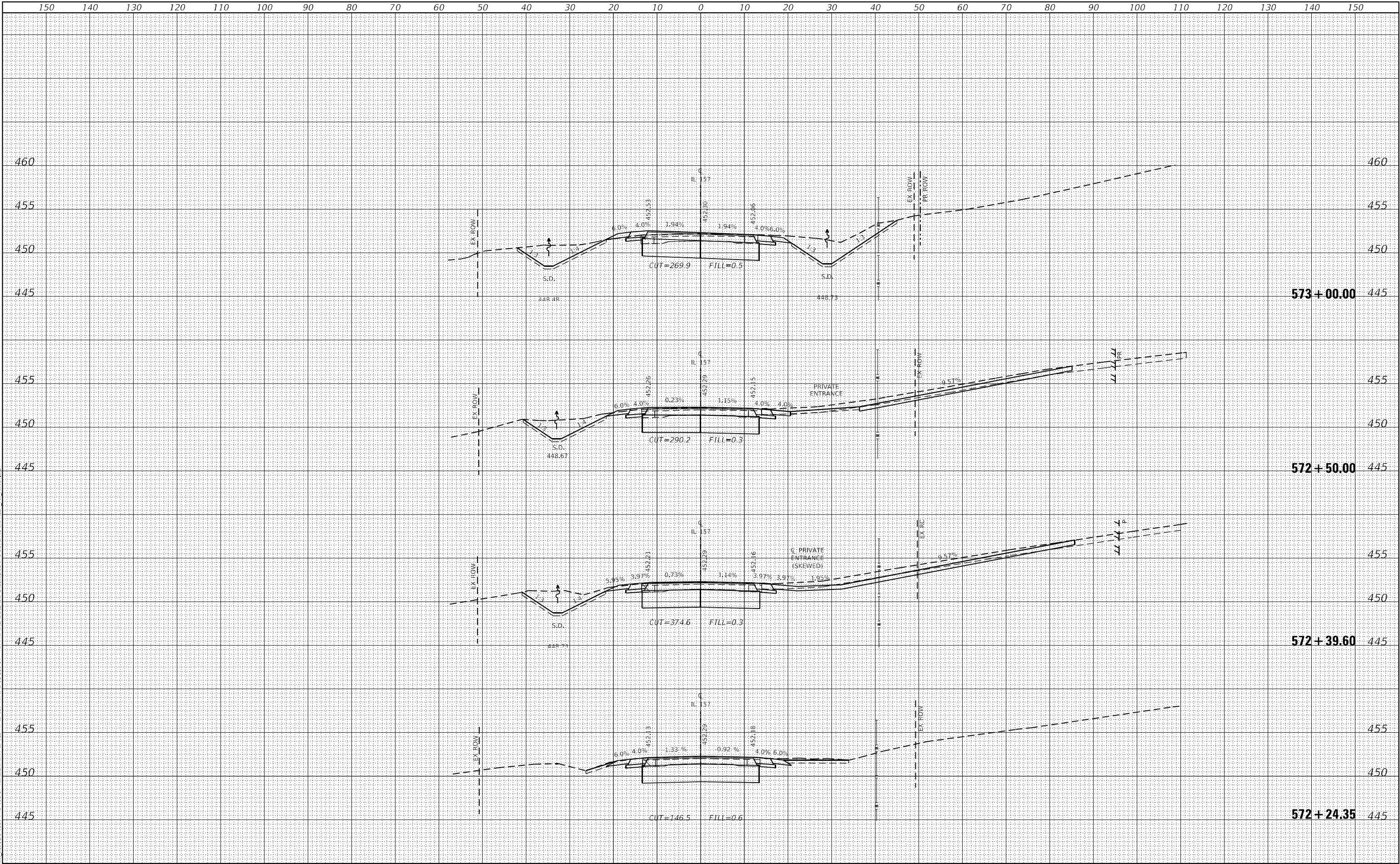
SCALE: 1"=10'	SHEET 22 OF 22 SHEETS	STA. 27+00.00 TO STA. 28+00.00
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	51-1R	MADISON	296	257
		CONTRACT NO. 76A46		
ILLINOIS		FED. AID PROJECT		

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

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

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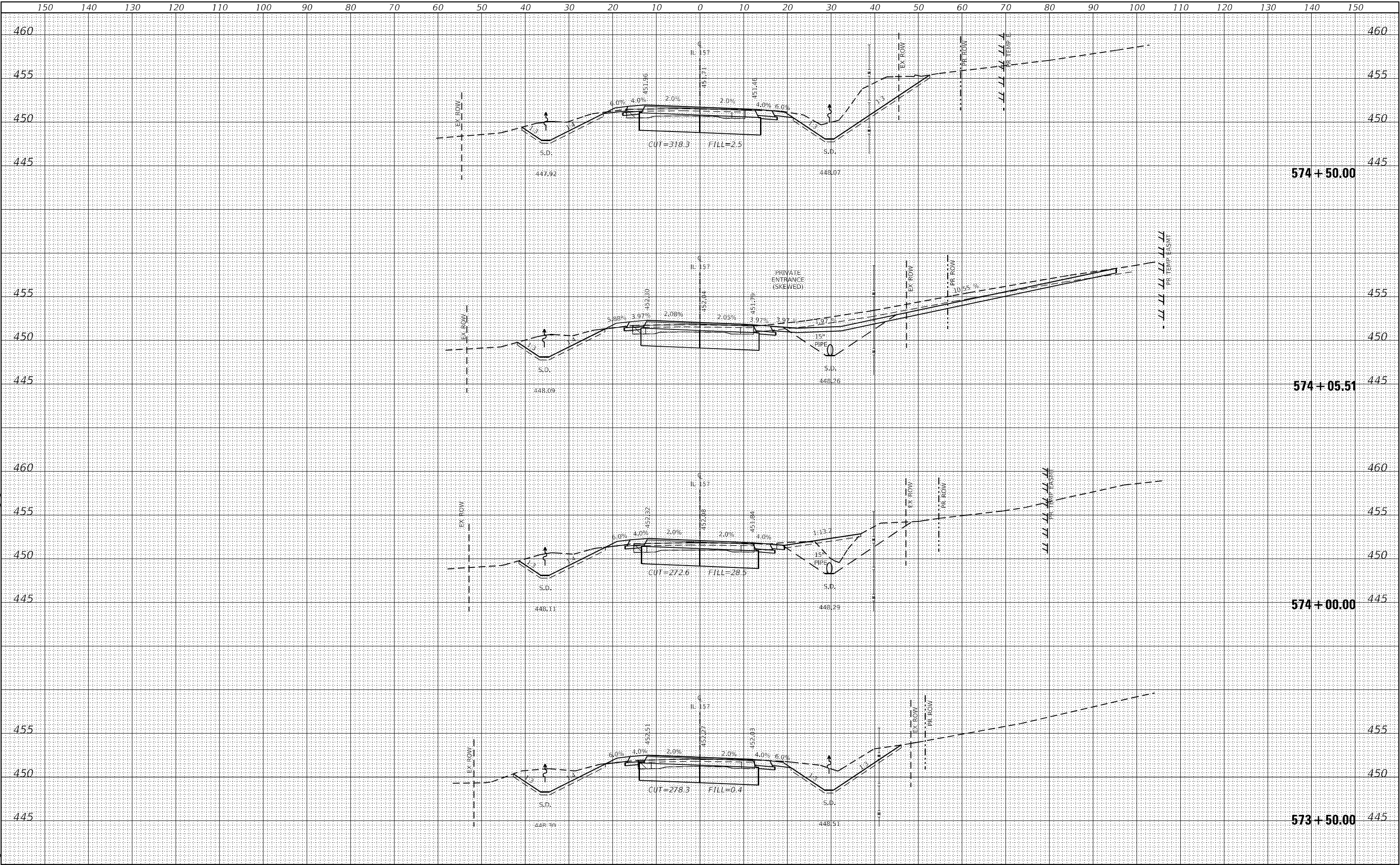




FINAL	SURVEYED	DATE
SURVEY	PLOTTED	BY
NOTE BOOK	TEMPLATE	
NO.	AREAS CHECKED	

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

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PLOT DATE = 10/15/2024	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 157 CROSS SECTIONS

SCALE: 1"=10' SHEET 2 OF 18 SHEETS STA. 573+50.00 TO STA. 574+50.00

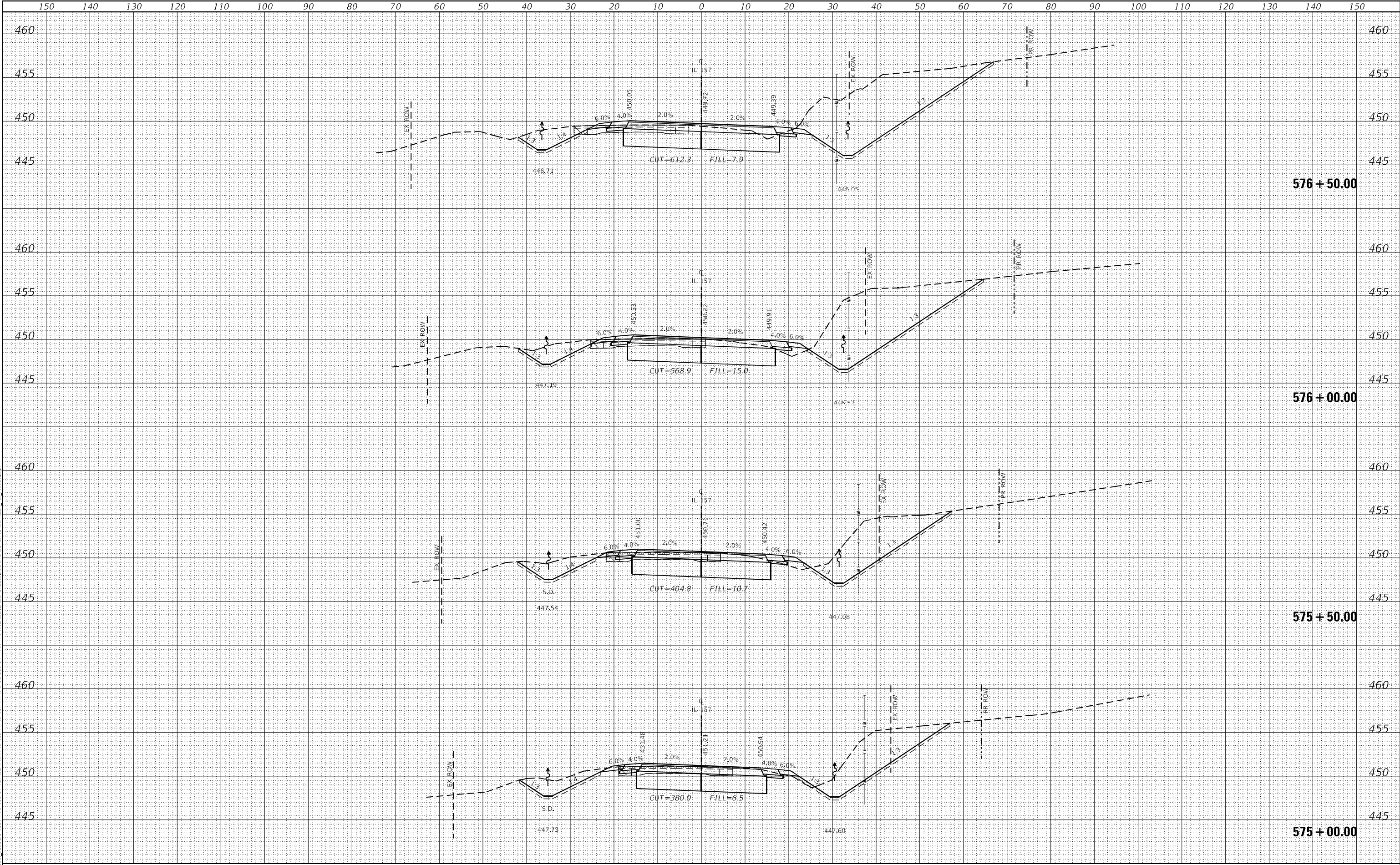
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	51-1R	MADISON	296	259
CONTRACT NO. 76A46				

\* 586/592

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

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

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PROJECT: ILLINOIS ROUTE 157 CROSS SECTIONS  
SHEET: 3 OF 18  
DATE: 10/15/2024



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	DRAWN -	REVISED -
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PLOT DATE = 10/15/2024	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 157 CROSS SECTIONS

SCALE: 1"=10' SHEET 3 OF 18 SHEETS STA. 575+00.00 TO STA. 576+50.00

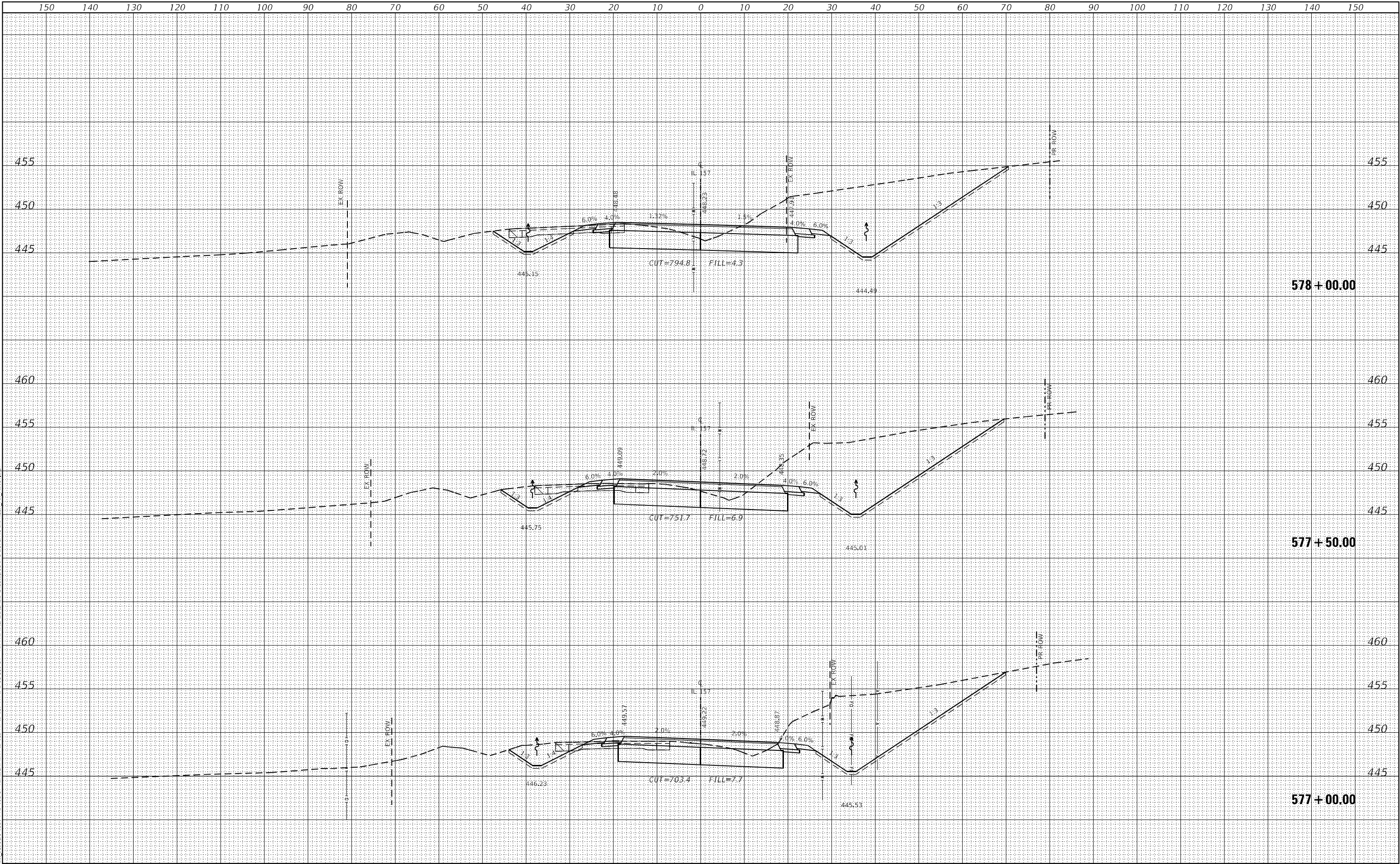
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	51-1R	MADISON	296	260
CONTRACT NO. 76A46				



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

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

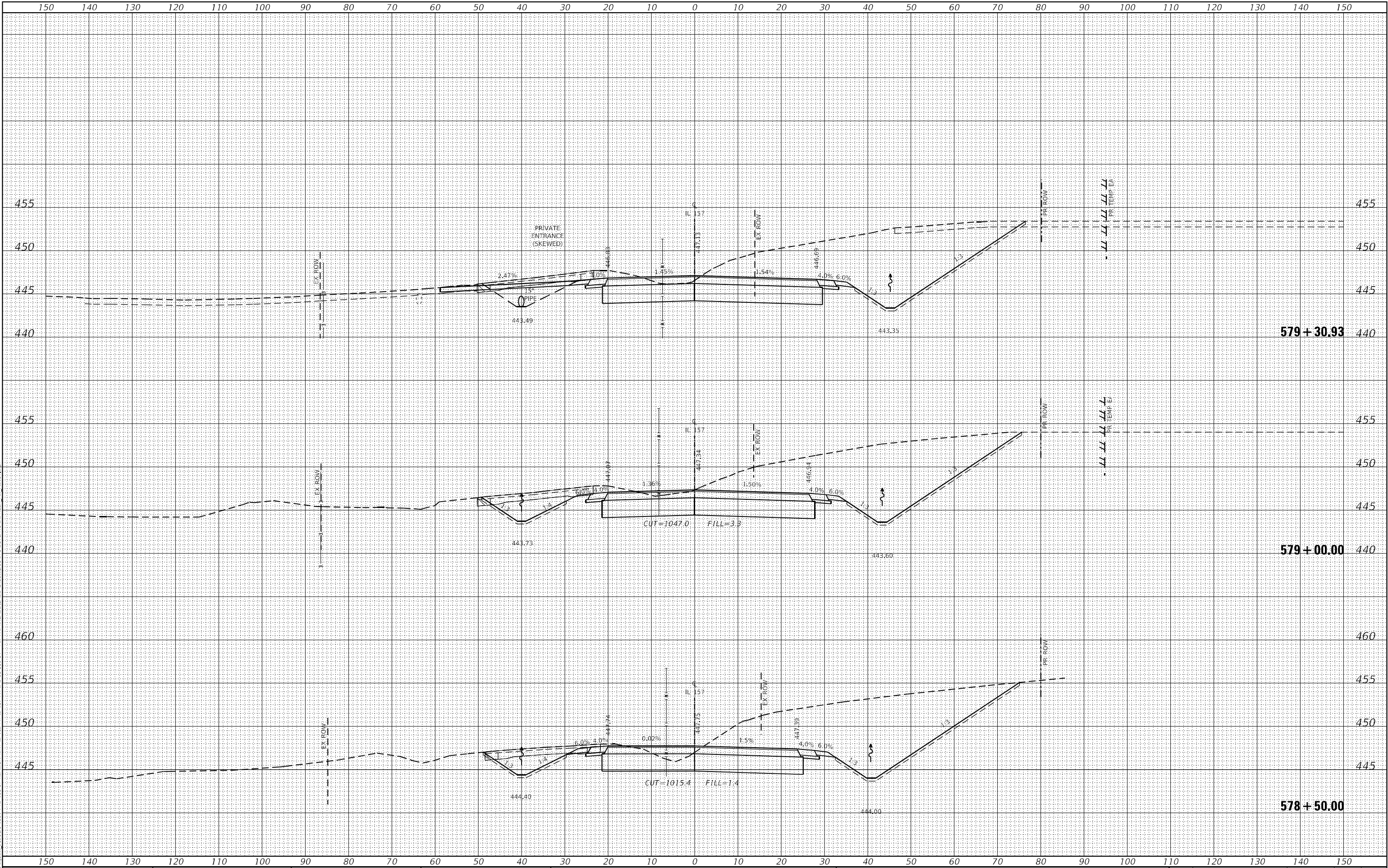
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FINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

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

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PLOT DATE = 10/15/2024

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DATE -

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REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 157 CROSS SECTIONS

SCALE: 1"=10' SHEET 5 OF 18 SHEETS STA. 578+50.00 TO STA. 579+30.93

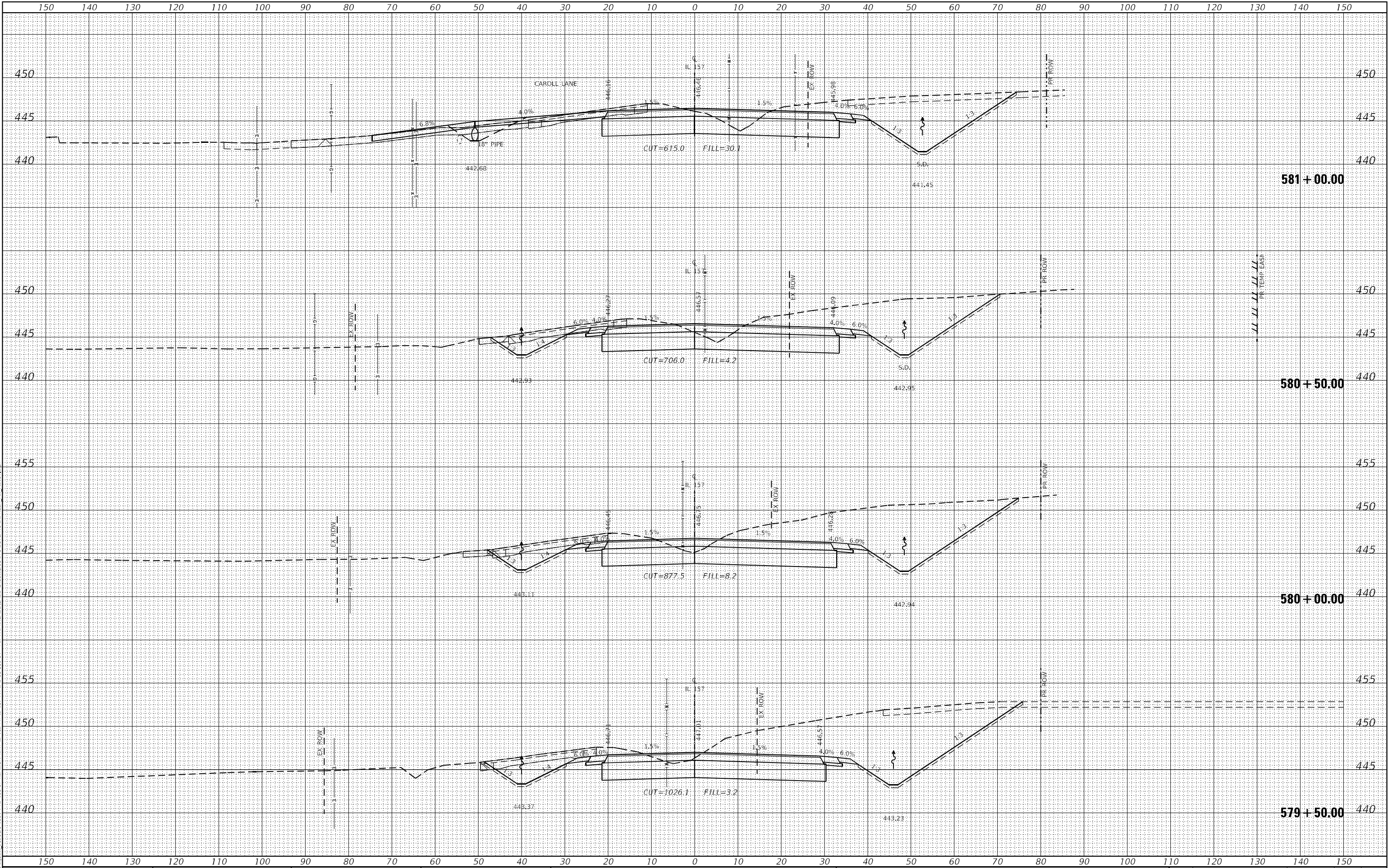
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	51-1R	MADISON	296	262
CONTRACT NO. 76A46				



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

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

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PLOT DATE = 10/15/2024

DESIGNED -  
DRAWN -  
CHECKED -  
DATE -

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 157 CROSS SECTIONS

SCALE: 1"=10' SHEET 6 OF 18 SHEETS STA. 579+50.00 TO STA. 581+00.00

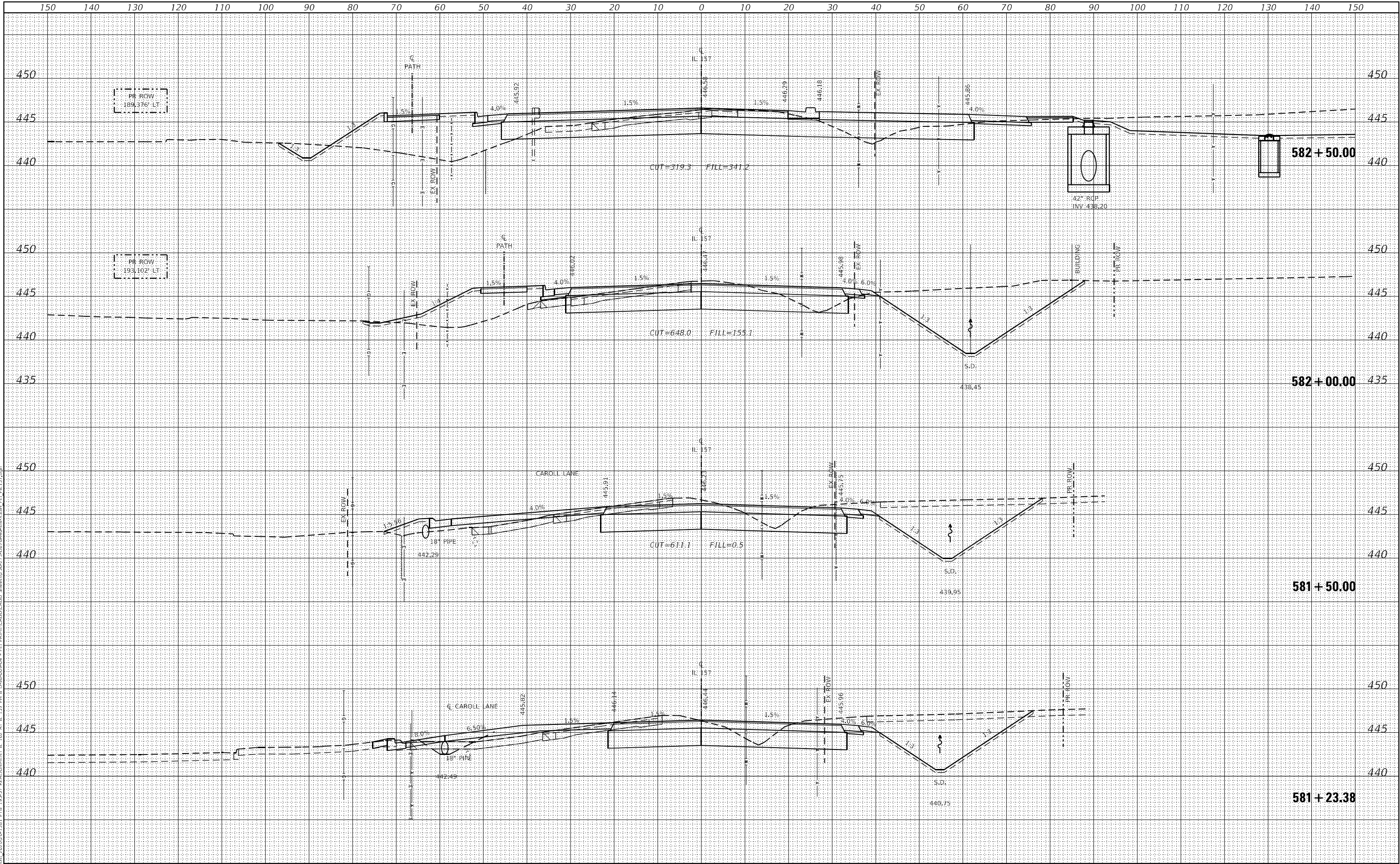
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	51-1R	MADISON	296	263
CONTRACT NO. 76A46				

\* 586/592

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

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

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PLOT DATE = 10/15/2024	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 157 CROSS SECTIONS

SCALE: 1"=10' SHEET 7 OF 18 SHEETS STA. 581+23.38 TO STA. 582+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	51-1R	MADISON	296	264
				CONTRACT NO. 76A46

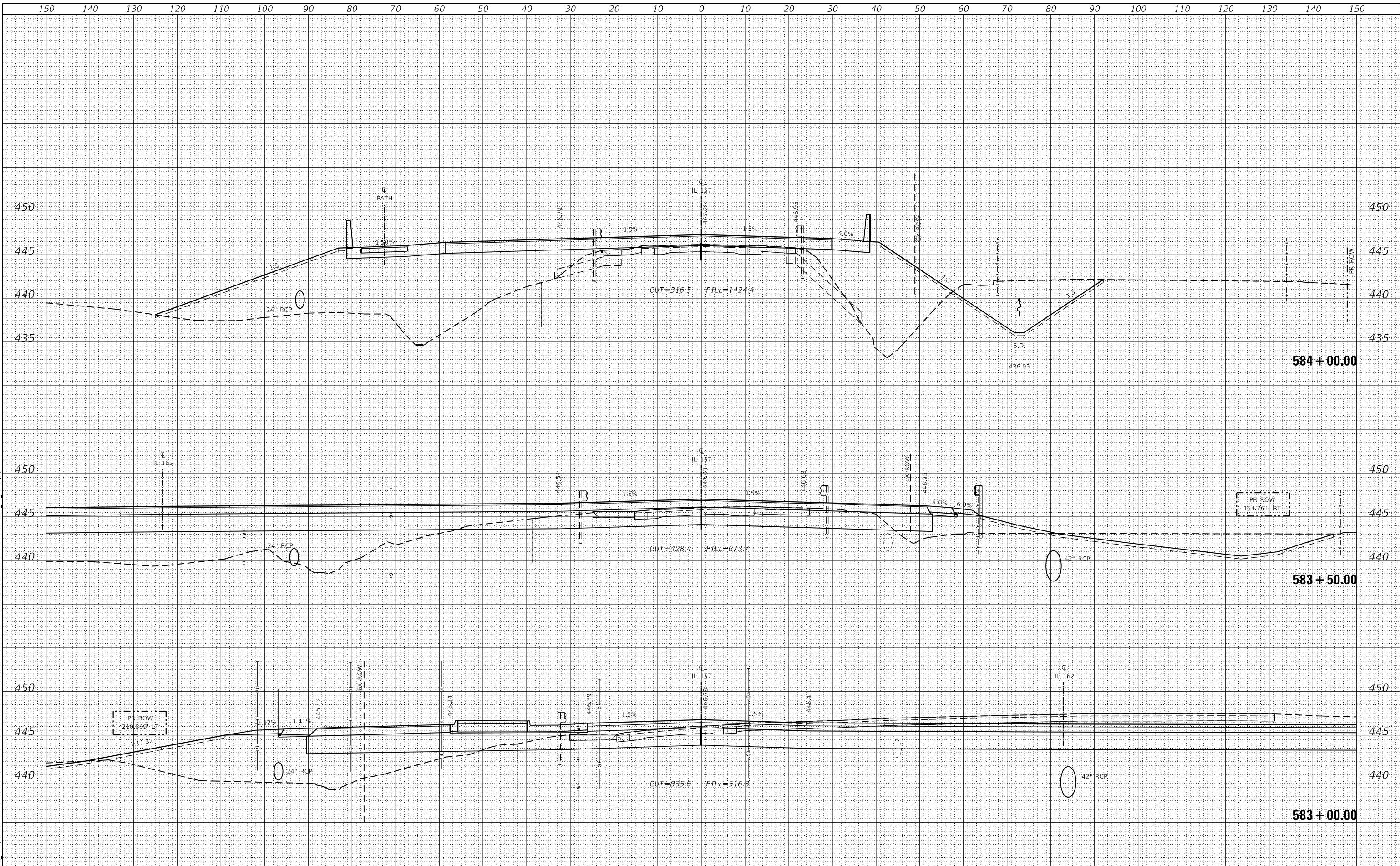
\* 586/592



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

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SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

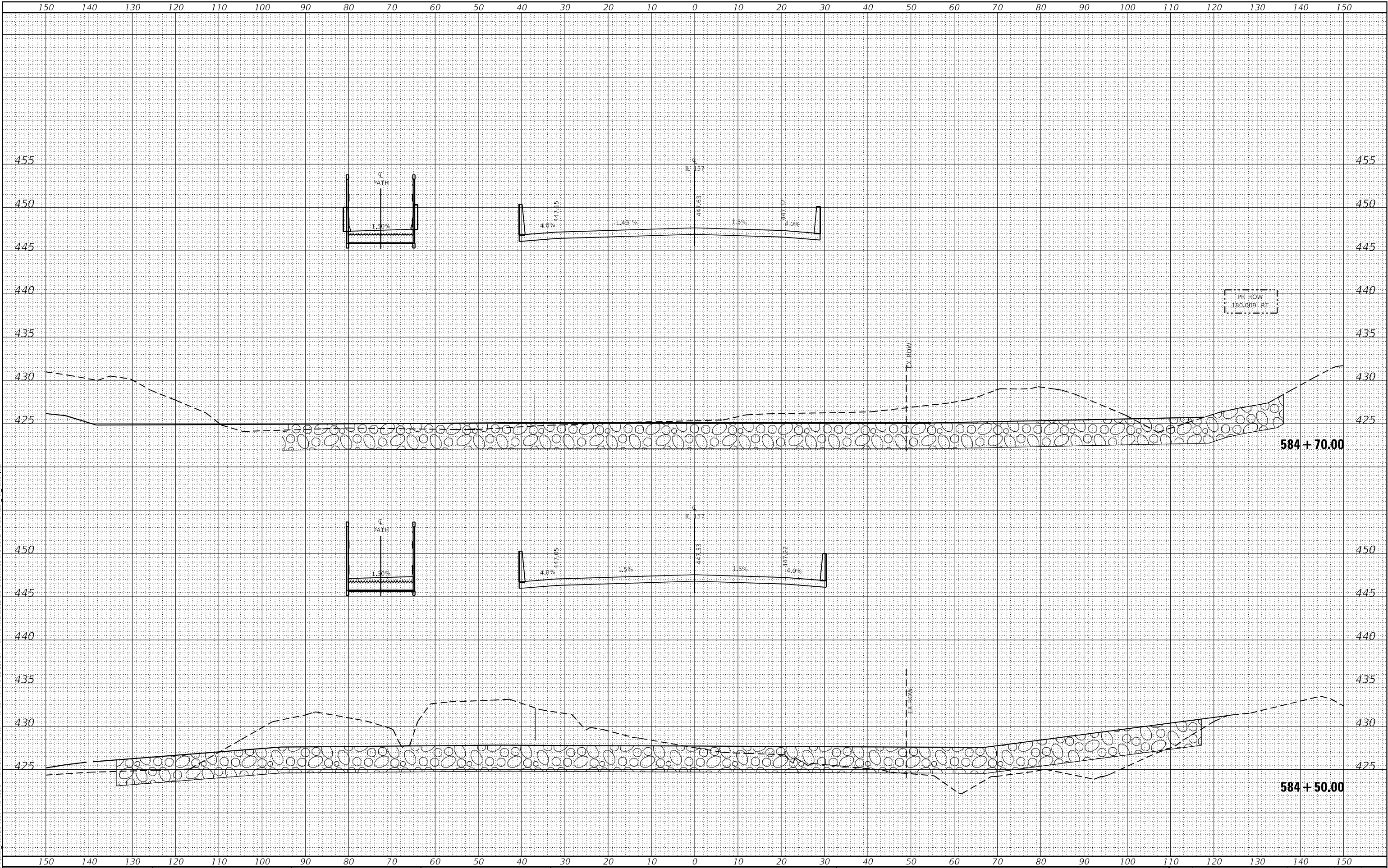
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DATE	BY	SURVEYED	PLOTTED	TEMPERATURE	AREAS CHECKED
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FINAL					
SURVEY					
NOTE BOOK					
NO.					

DATE	BY	SURVEYED	PLOTTED	TEMPERATURE	AREAS CHECKED
		NO.			
ORIGINAL					
SURVEY					
NOTE BOOK					
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PLOT DATE: 10/15/2024

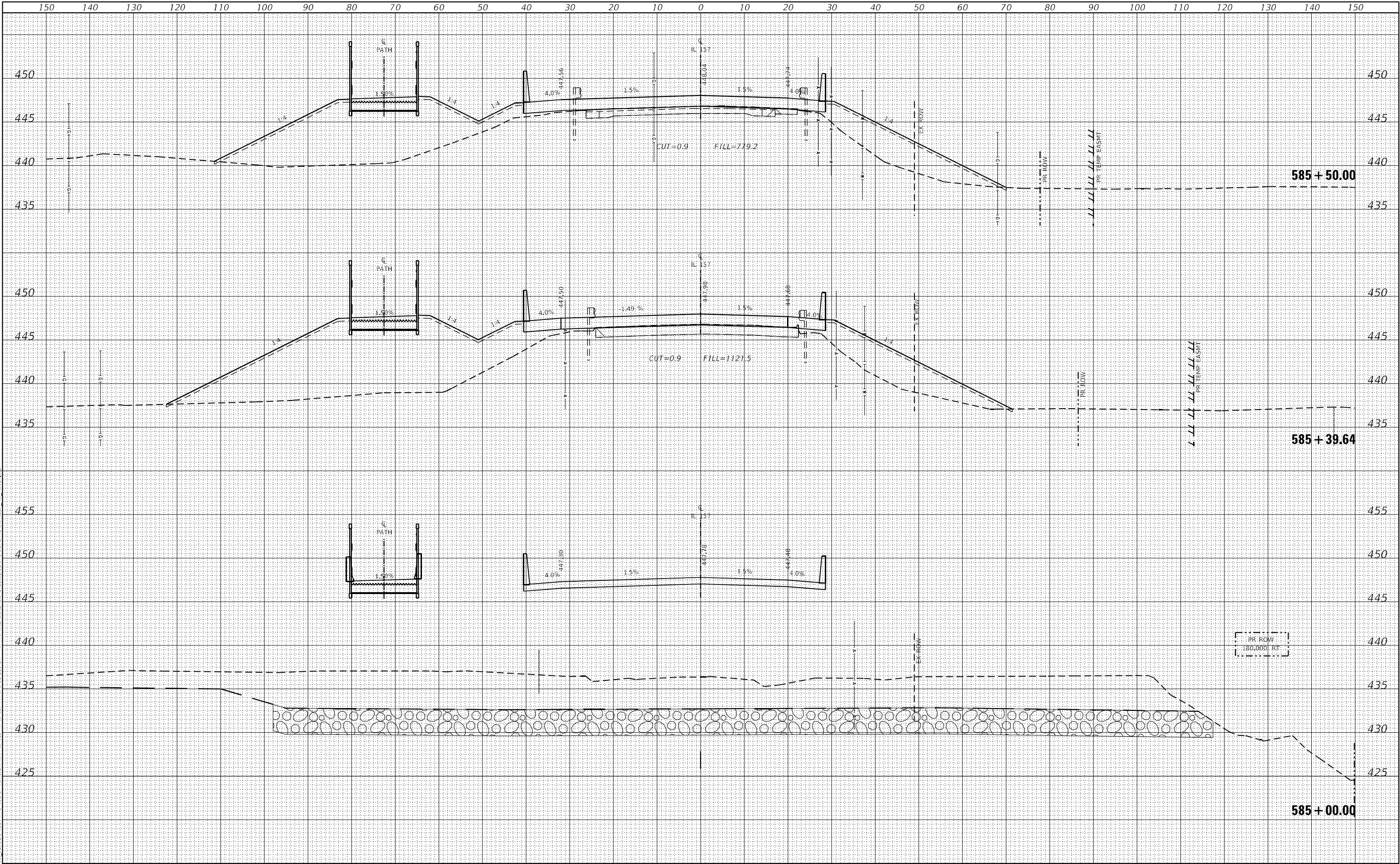




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SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

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SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

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PLOT DATE = 10/15/2024

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 157 CROSS SECTIONS

SCALE: 1"=10' SHEET 10 OF 18 SHEETS STA. 585+00.00 TO STA. 585+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	51-1R	MADISON	296	267
CONTRACT NO. 76A46				
ILLINOIS FED. AID PROJECT				

\* 586/592

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

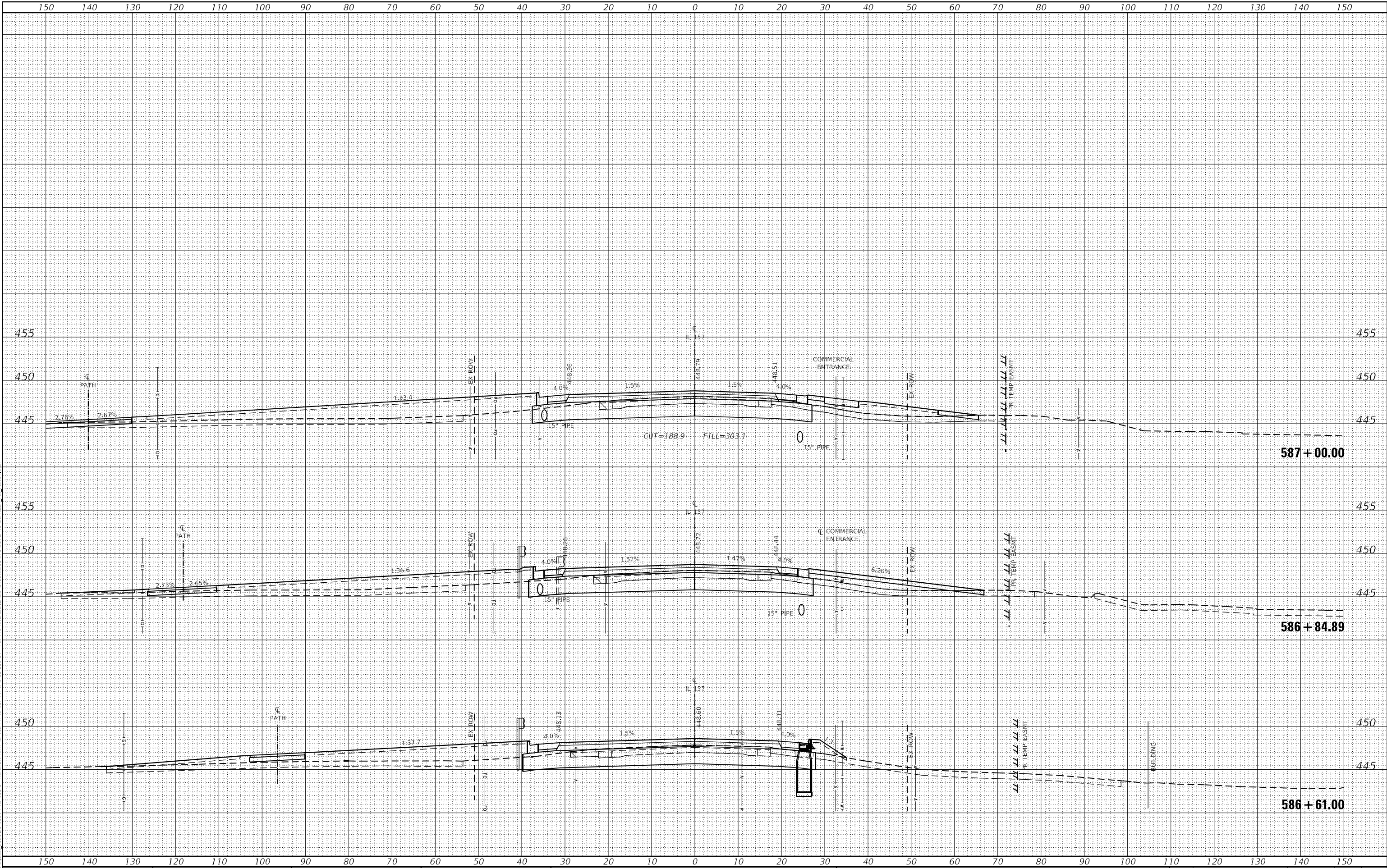




FINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

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

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PROJECT: 195-57 REALIGNMENT IL 162 AT IL 157 P111  
SHEET: 12 OF 18  
DATE: 10/15/2024



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PLOT DATE = 10/15/2024	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 157 CROSS SECTIONS

SCALE: 1"=10' SHEET 12 OF 18 SHEETS STA. 586+61.00 TO STA. 587+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	51-1R	MADISON	296	269
CONTRACT NO. 76A46				

\* 586/592

DATE	BY	SURVEYED	PLOTTED	TEMPERATURE	AREAS CHECKED
		NO.	NO.	NO.	NO.
		NO.	NO.	NO.	NO.

DATE	BY	SURVEYED	PLOTTED	TEMPERATURE	AREAS CHECKED
		NO.	NO.	NO.	NO.
		NO.	NO.	NO.	NO.

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PROJECT: 2020-1581\_PTB\_19-57\_REALIGNMENT\_IL\_162\_AT\_IL\_157\_P11.DWG  
SHEET: 296 OF 270  
DATE: 10/15/2024



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CHECKED	-
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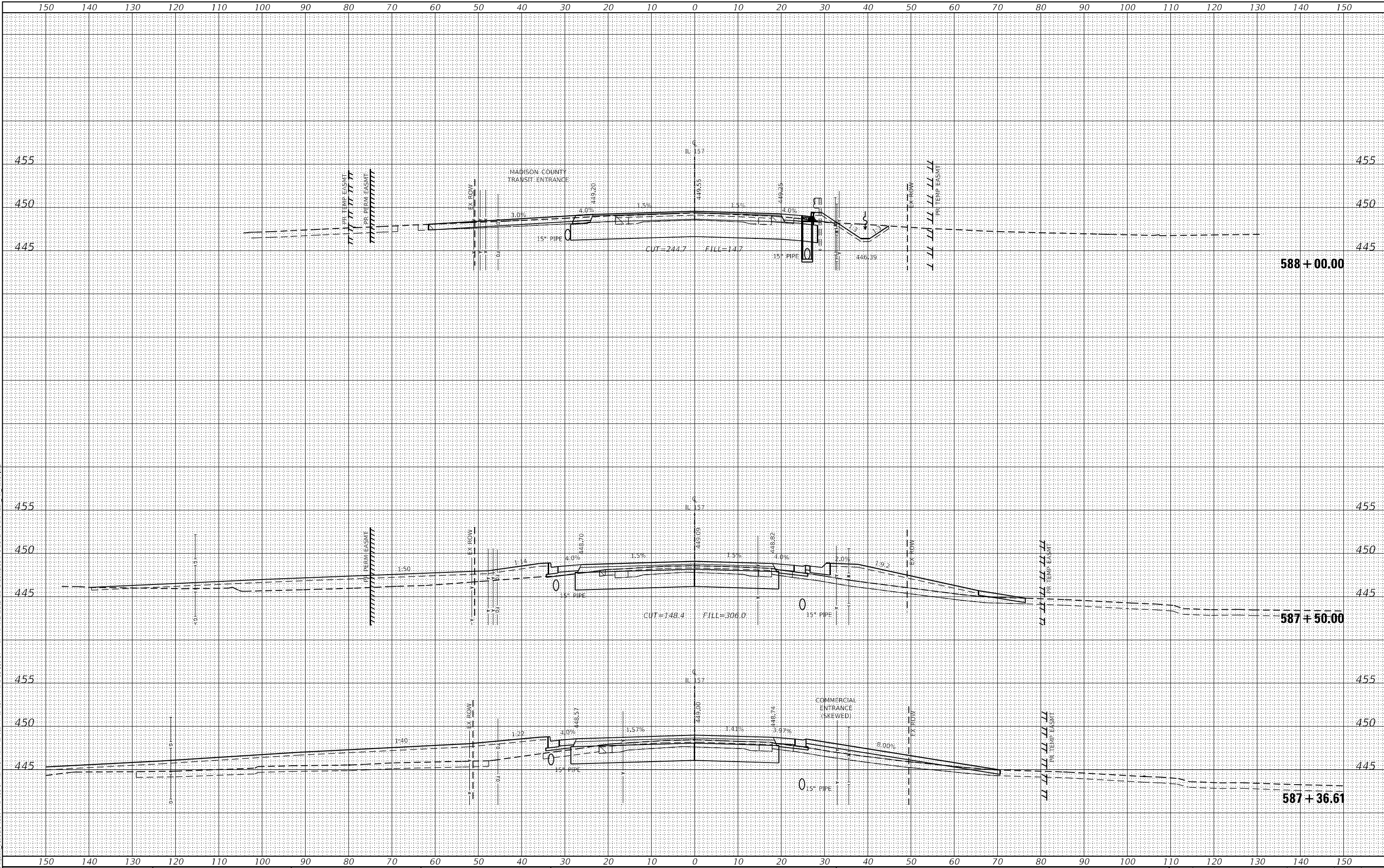
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 157 CROSS SECTIONS

SCALE: 1"=10' SHEET 13 OF 18 SHEETS STA. 587+36.61 TO STA. 588+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	51-1R	MADISON	296	270
CONTRACT NO. 76A46				

\* 586/592

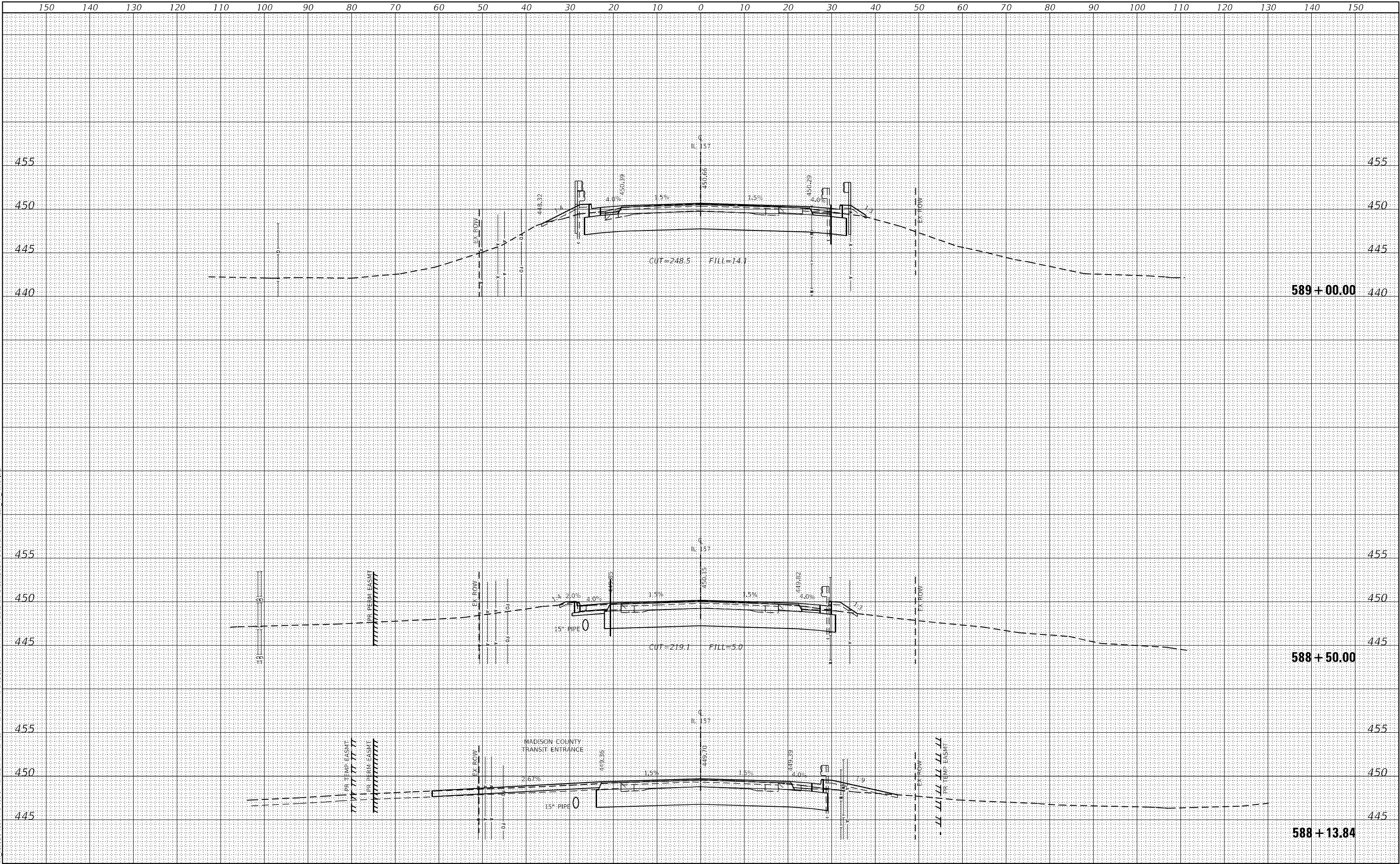




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SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

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SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

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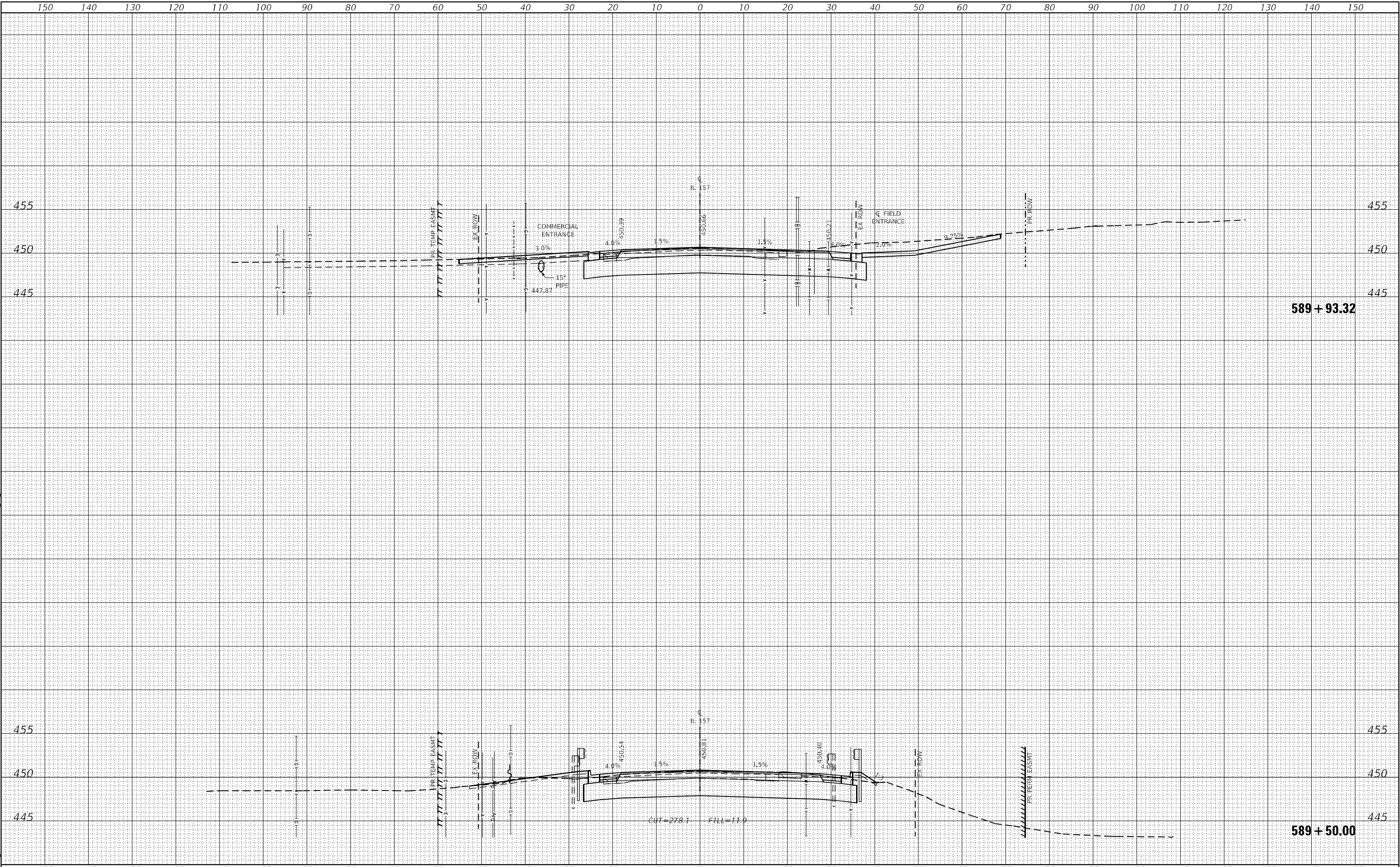
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PLOT DATE = 10/15/2024	DATE -	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	51-1R	MADISON	296	271
CONTRACT NO. 76A46				

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

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

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PLOT DATE = 10/15/2024

DESIGNED -  
DRAWN -  
CHECKED -  
DATE -

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 157 CROSS SECTIONS

SCALE: 1"=10' SHEET 15 OF 18 SHEETS STA. 589+50.00 TO STA. 589+93.32

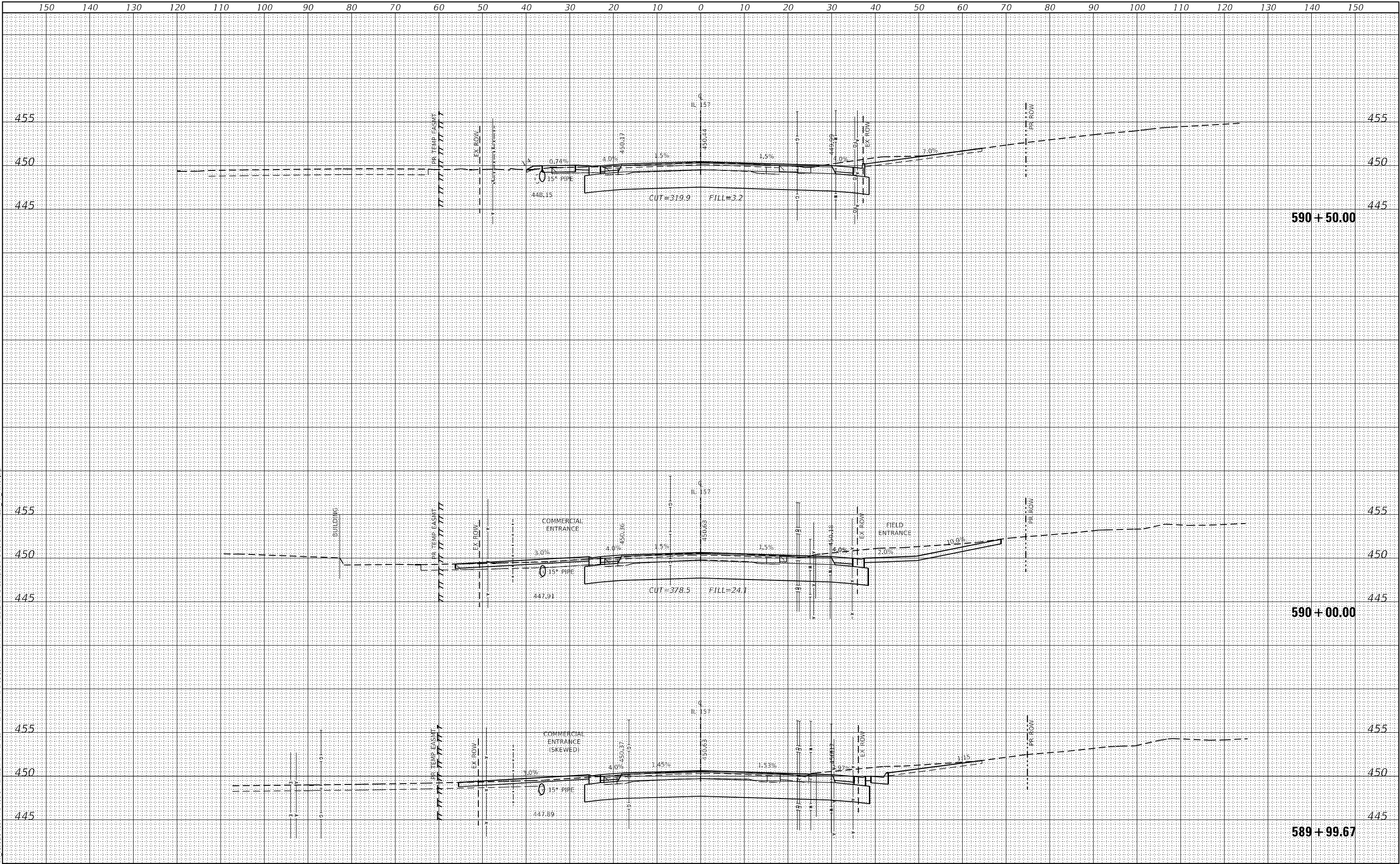
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	51-1R	MADISON	296	272
CONTRACT NO. 76A46				



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

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

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 157 CROSS SECTIONS

SCALE: 1"=10' SHEET 16 OF 18 SHEETS STA. 589+99.67 TO STA. 590+50.00

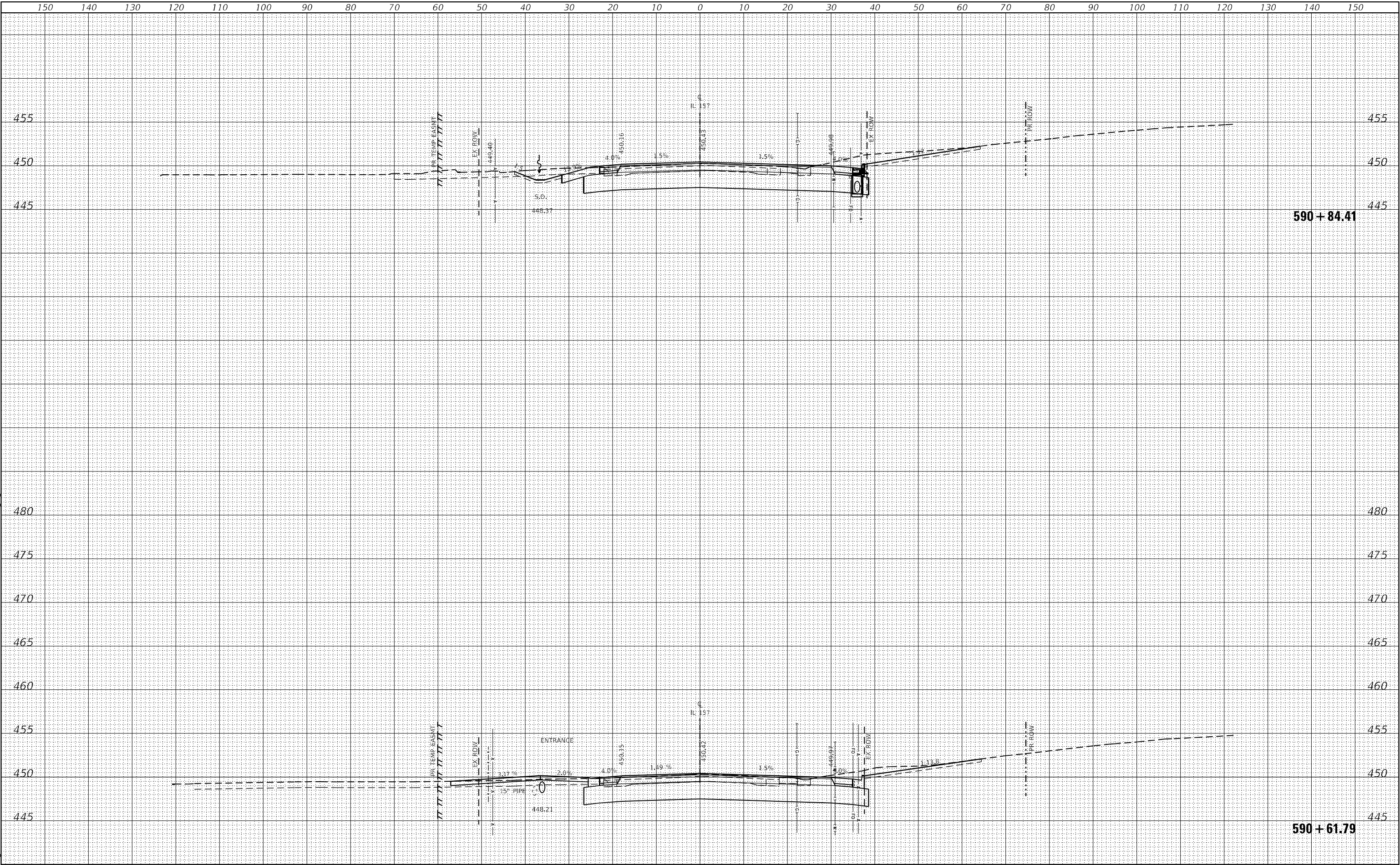
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	51-1R	MADISON	296	273
CONTRACT NO. 76A46				

\* 586/592

FINAL SURVEY	SURVEYED	BY	DATE
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		

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PLOT DATE = 10/15/2024	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 157 CROSS SECTIONS

SCALE: 1"=10' SHEET 17 OF 18 SHEETS STA. 590+61.79 TO STA. 590+84.41

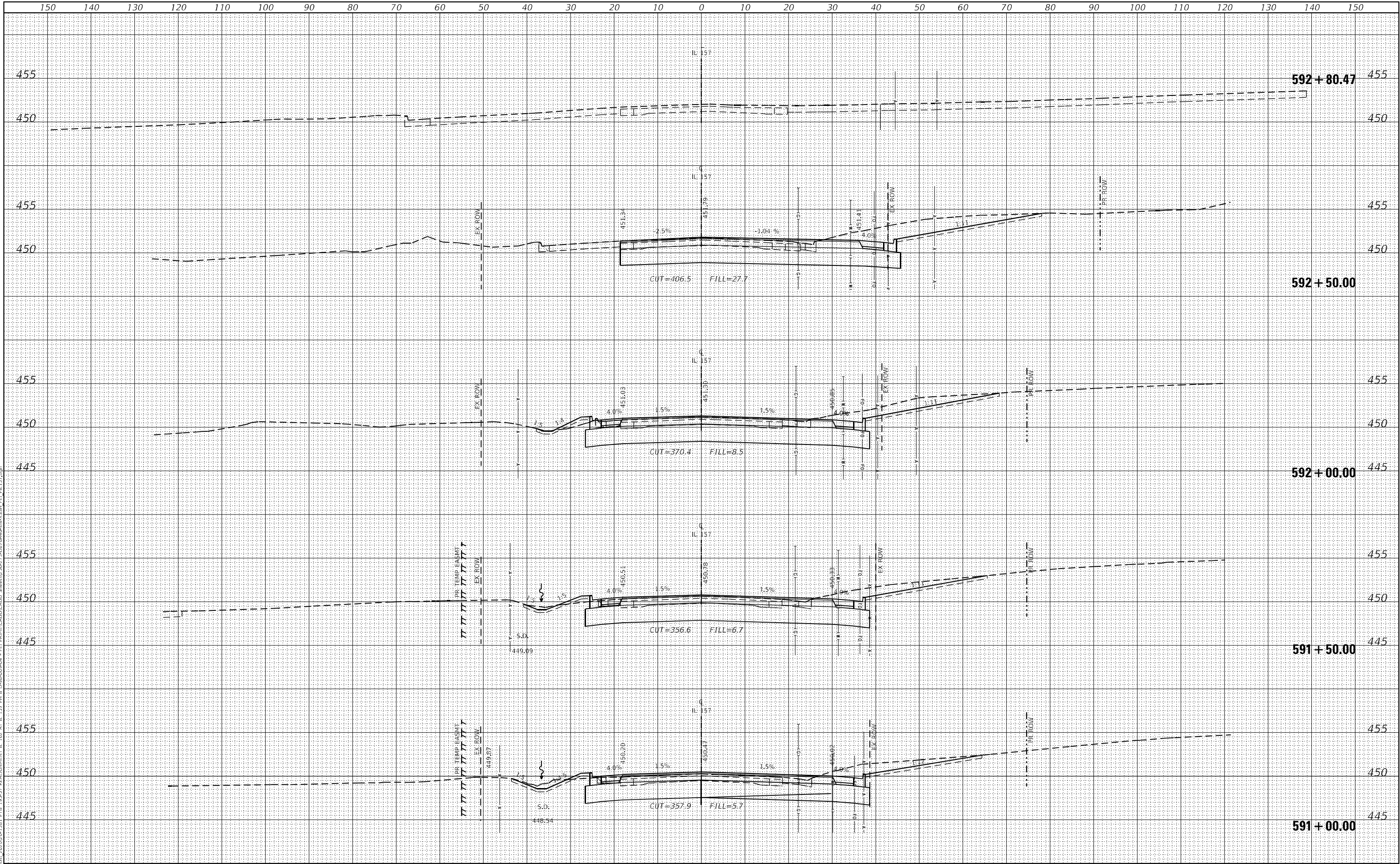
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	51-1R	MADISON	296	274
CONTRACT NO. 76A46				



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

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

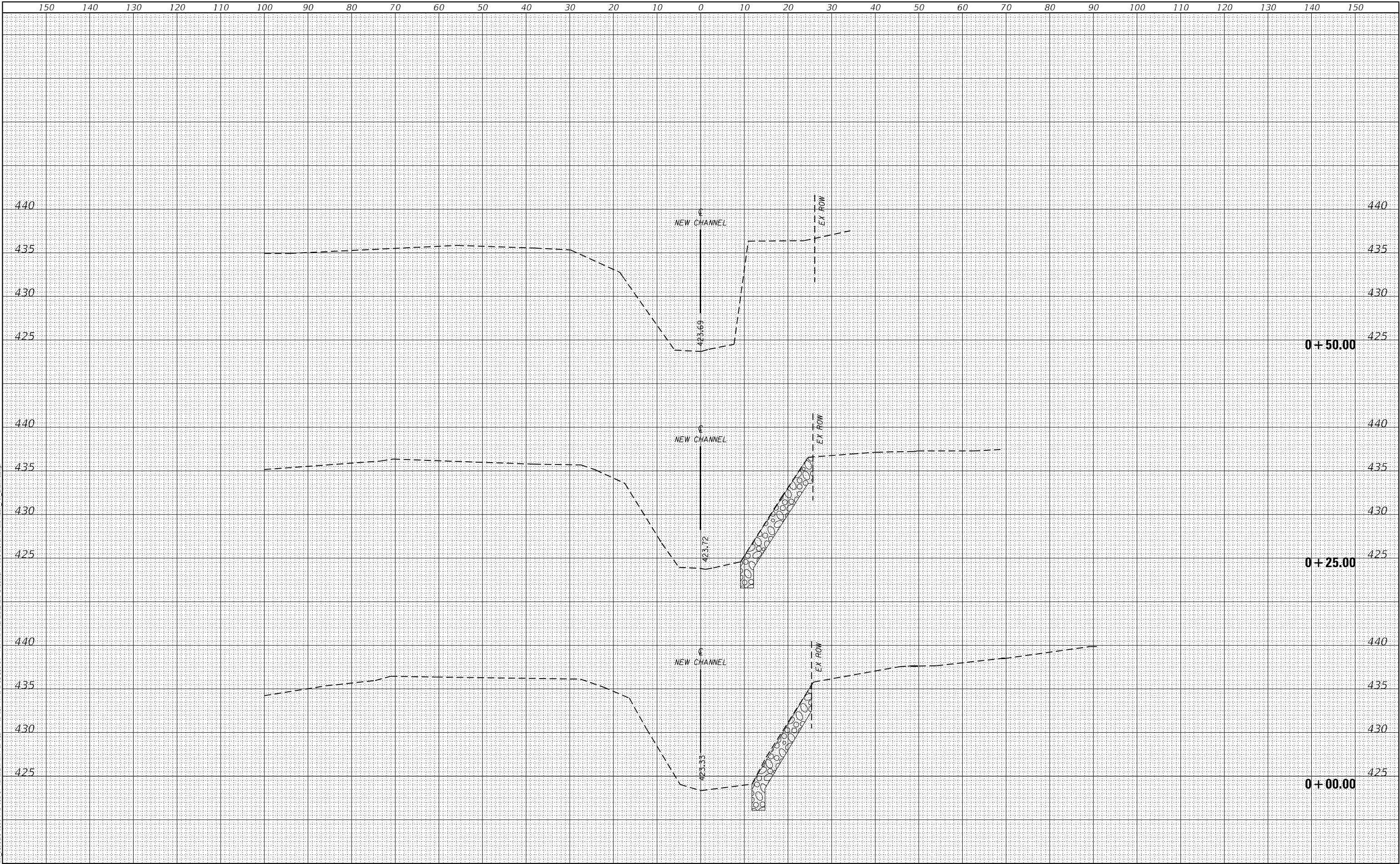
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PROJECT: CAD/CADD SHEET: 056-273-0876445-ANX-SSN-FE\_P1157.dwg



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

ORIGINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
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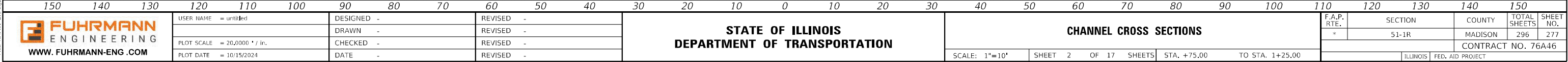


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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	51-1R	MADISON	296	276
		CONTRACT NO. 76A46		
		ILLINOIS FED. AID PROJECT		



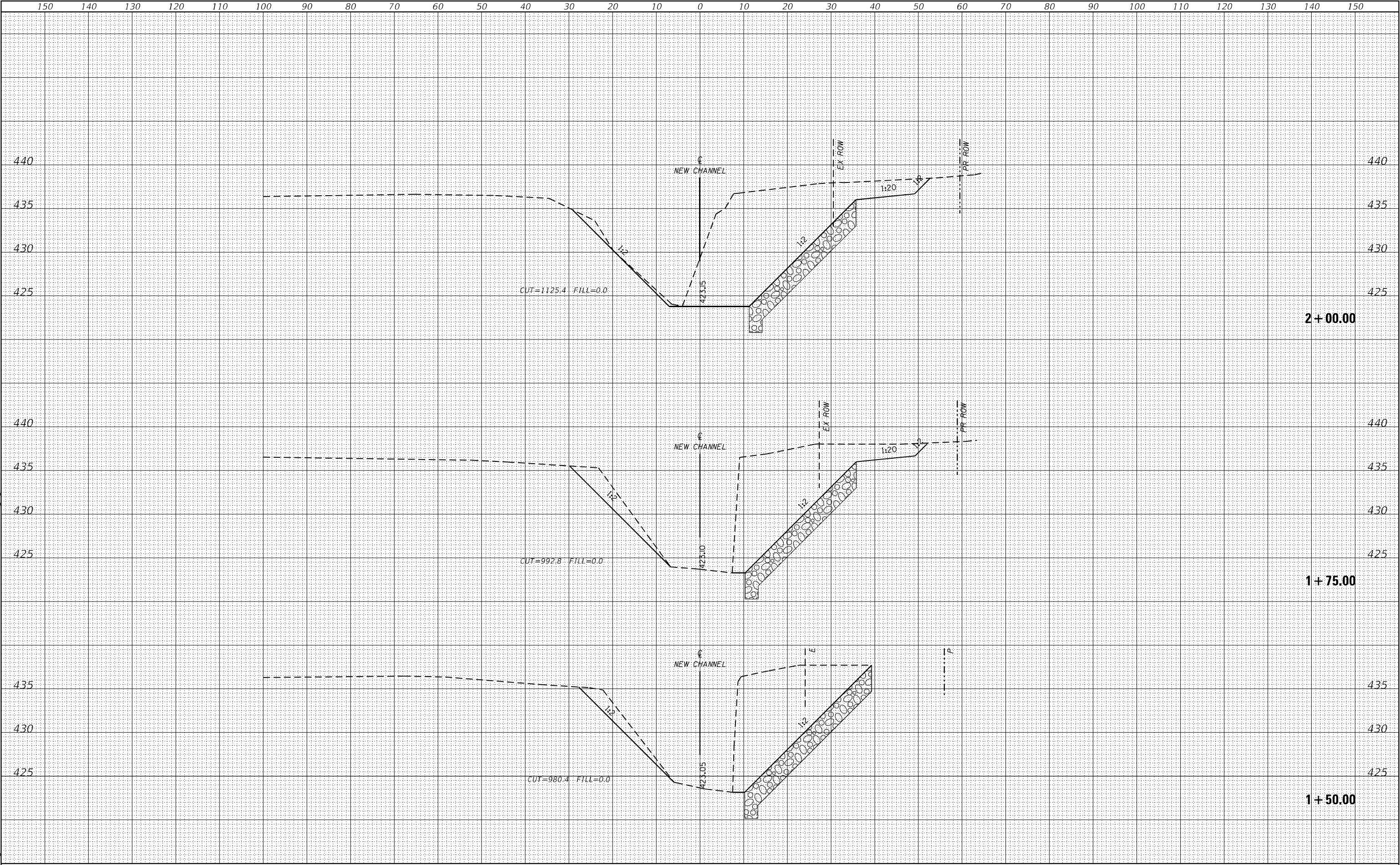
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NOTE BOOK	TEMPLATE _____		
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NO. _____	AREAS CHECKED _____		



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

DATE	BY	SURVEYED	PLOTTED	TEMPLATE	AREAS CHECKED
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PLOT DATE = 10/15/2024	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CHANNEL CROSS SECTIONS

SCALE: 1"=10' SHEET 3 OF 17 SHEETS STA. 1+50.00 TO STA. 2+00.00

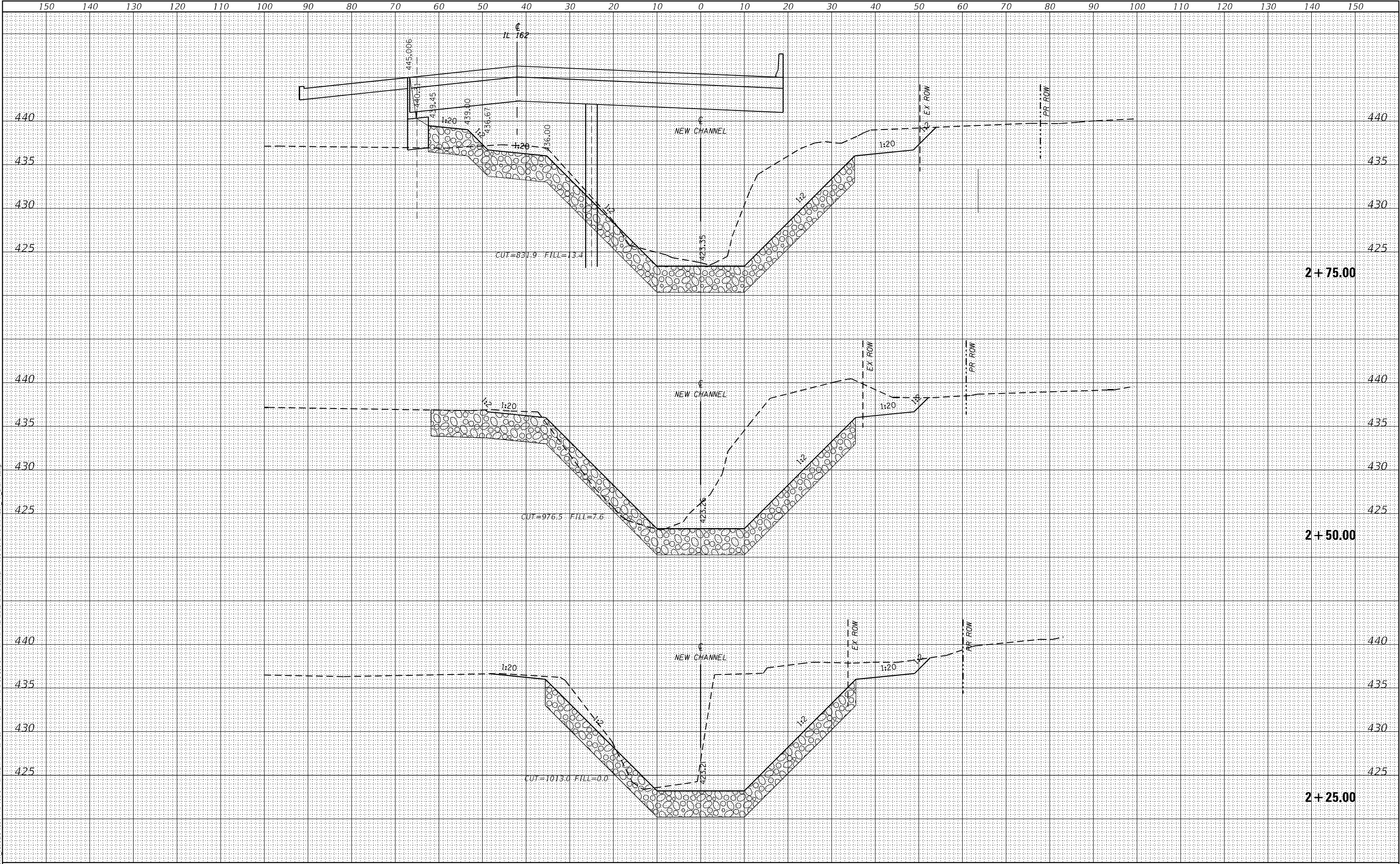
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	51-1R	MADISON	296	278
CONTRACT NO. 76A46				
ILLINOIS FED. AID PROJECT				



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

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

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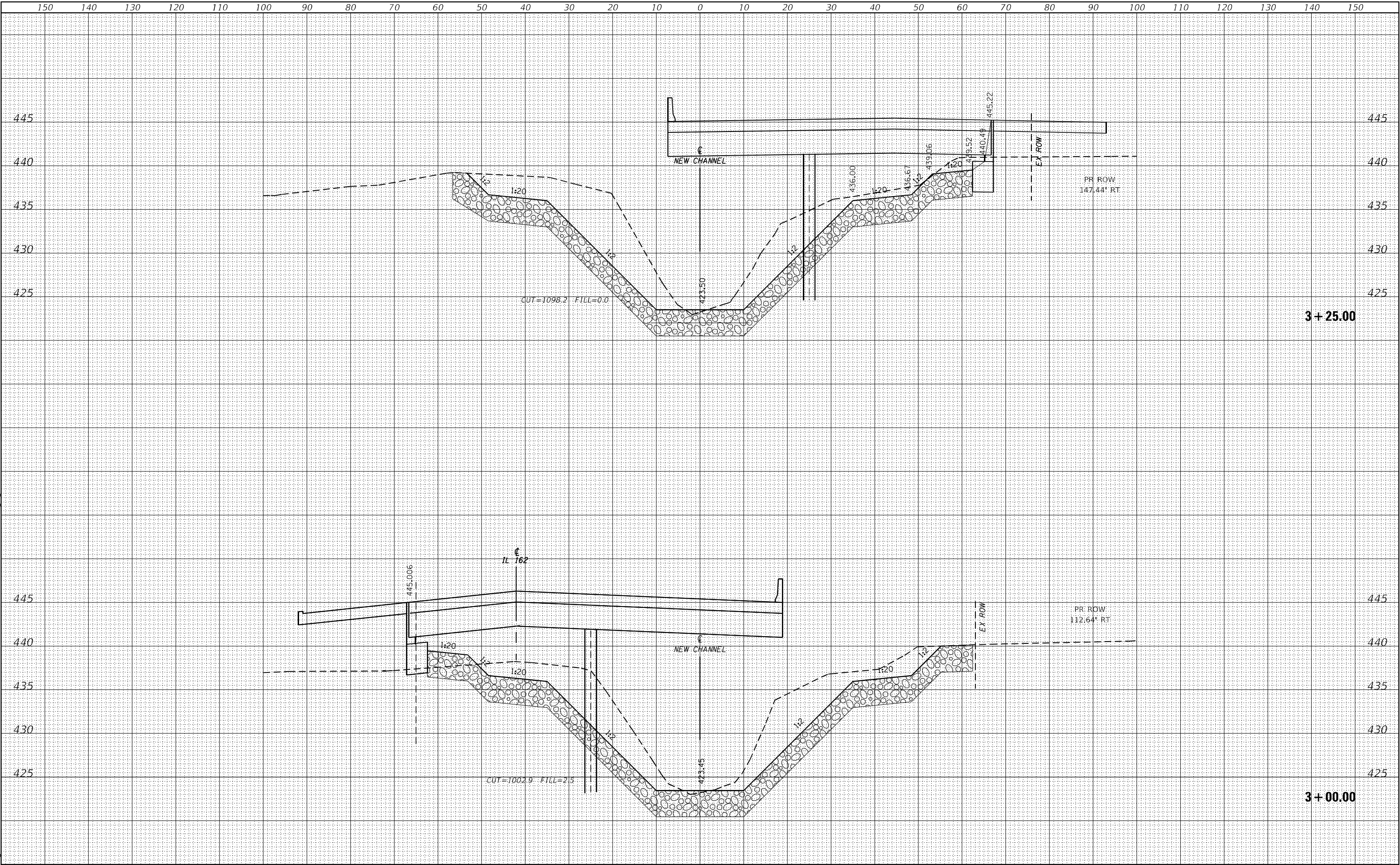




FINAL	SURVEYED	DATE
SURVEY	PLOTTED	BY
NOTE BOOK	TEMPLATE	
NO.	AREAS CHECKED	

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

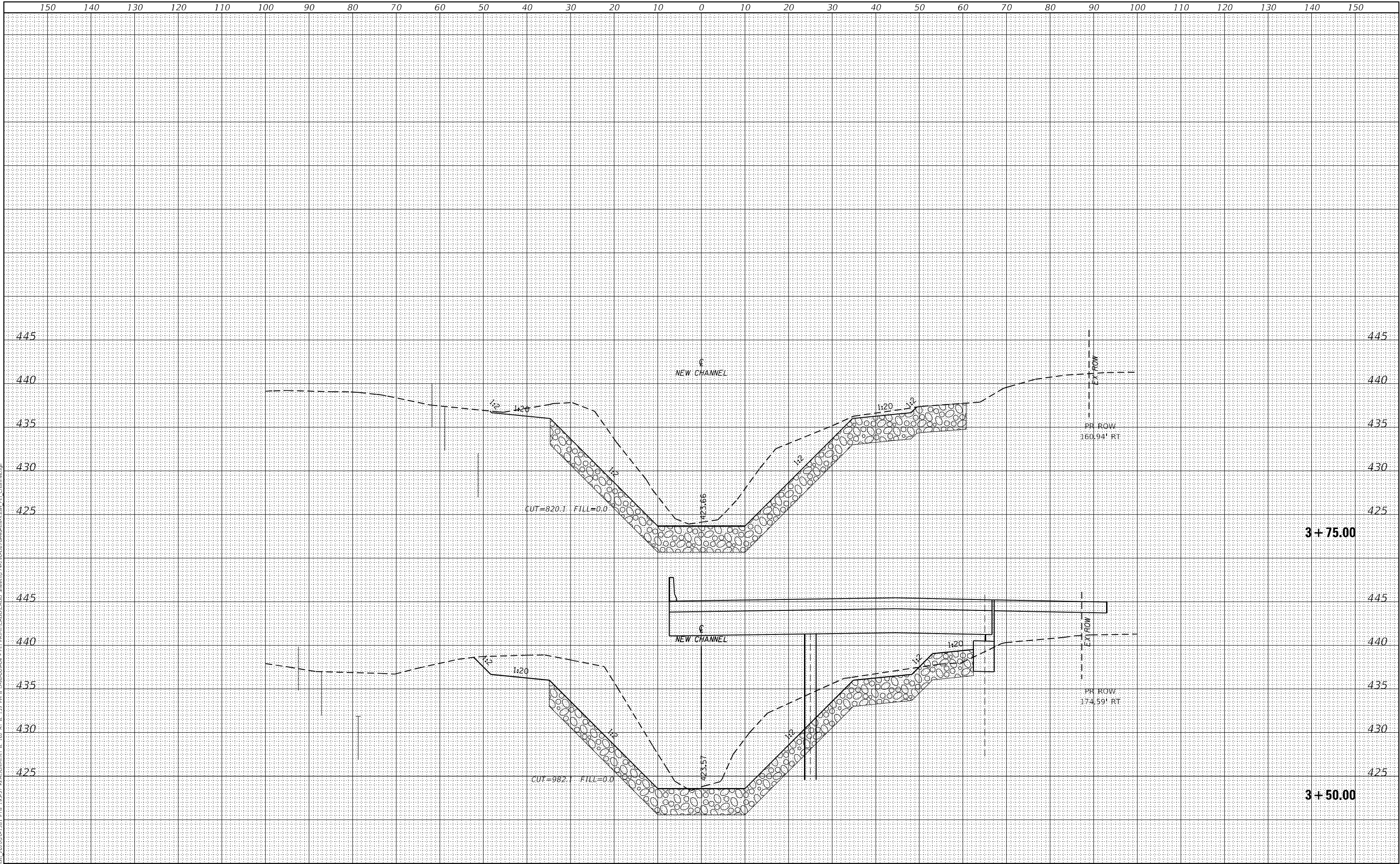
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FINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

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

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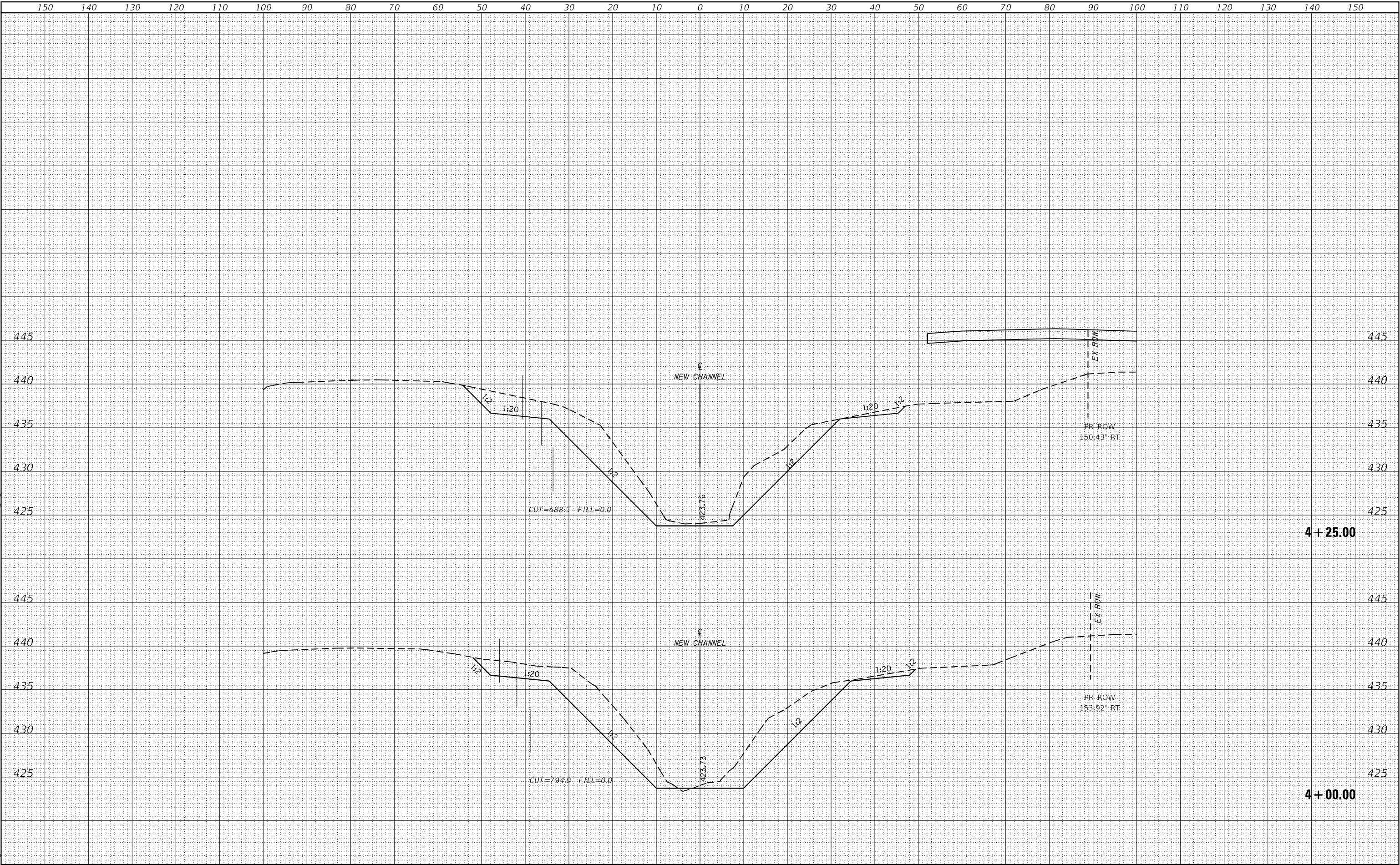
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	51-1R	MADISON	296	281
CONTRACT NO. 76A46				



FINAL	SURVEYED	BY	DATE
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NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

ORIGINAL	SURVEYED	BY	DATE
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NOTE BOOK	TEMPLATE		
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PLOT DATE = 10/15/2024	DATE -	REVISOR -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CHANNEL CROSS SECTIONS

SCALE: 1"=10' SHEET 7 OF 17 SHEETS STA. 4+00.00 TO STA. 4+25.00

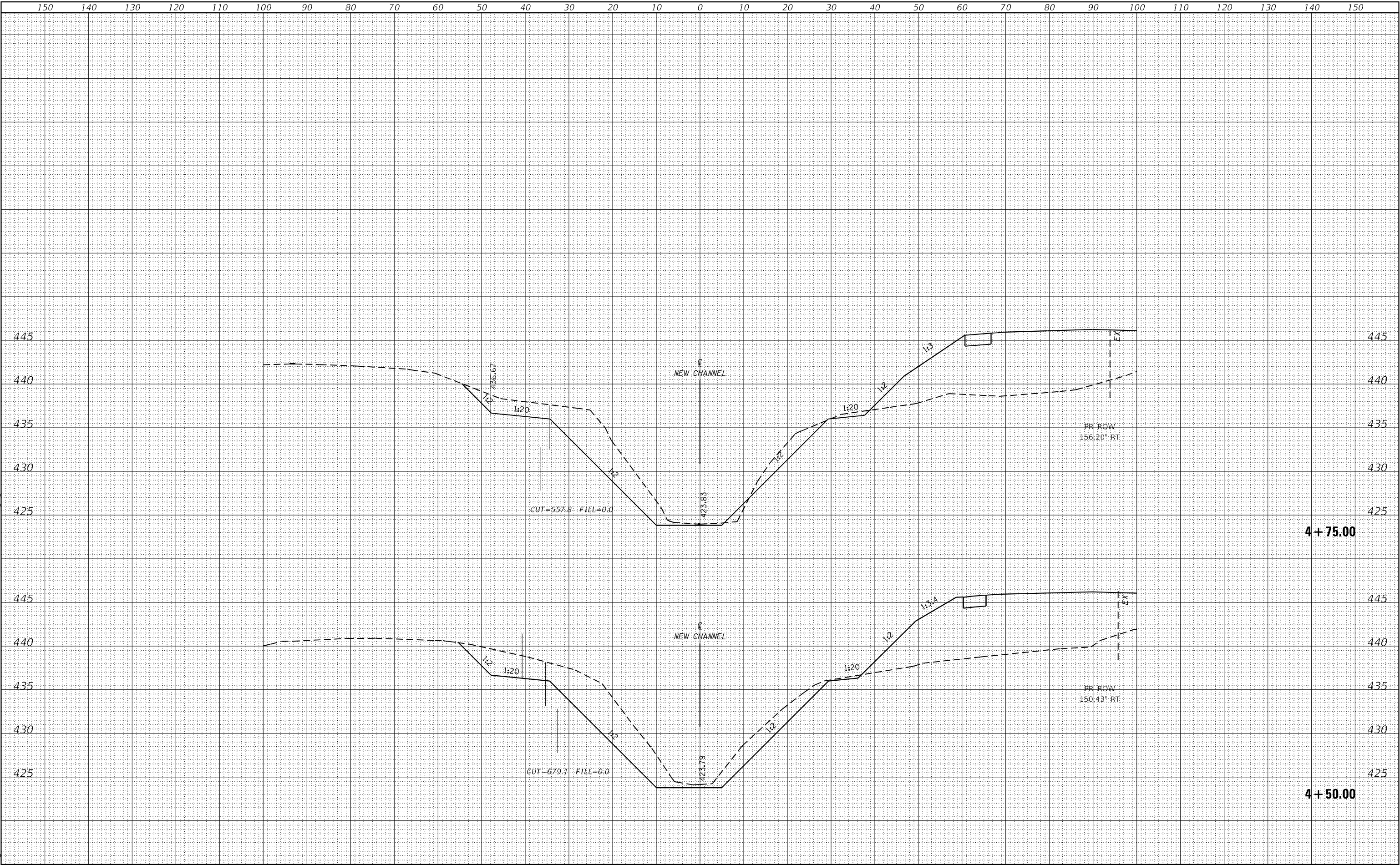
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	51-1R	MADISON	296	282
CONTRACT NO. 76A46				
ILLINOIS FED. AID PROJECT				



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

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

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PLOT DATE = 10/15/2024

DESIGNED -  
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CHECKED -  
DATE -

REVIS  
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

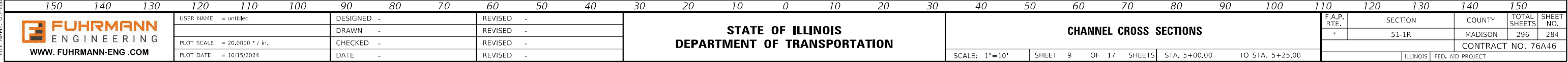
CHANNEL CROSS SECTIONS

SCALE: 1"=10' SHEET 8 OF 17 SHEETS STA. 4+50.00 TO STA. 4+75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	51-1R	MADISON	296	283
CONTRACT NO. 76A46				

ILLINOIS FED. AID PROJECT

ORIGINAL			BY	DATE
SURVEY				
PLOTTED				
TEMPERATURE				
AREAS				
AREAS CHECKED				
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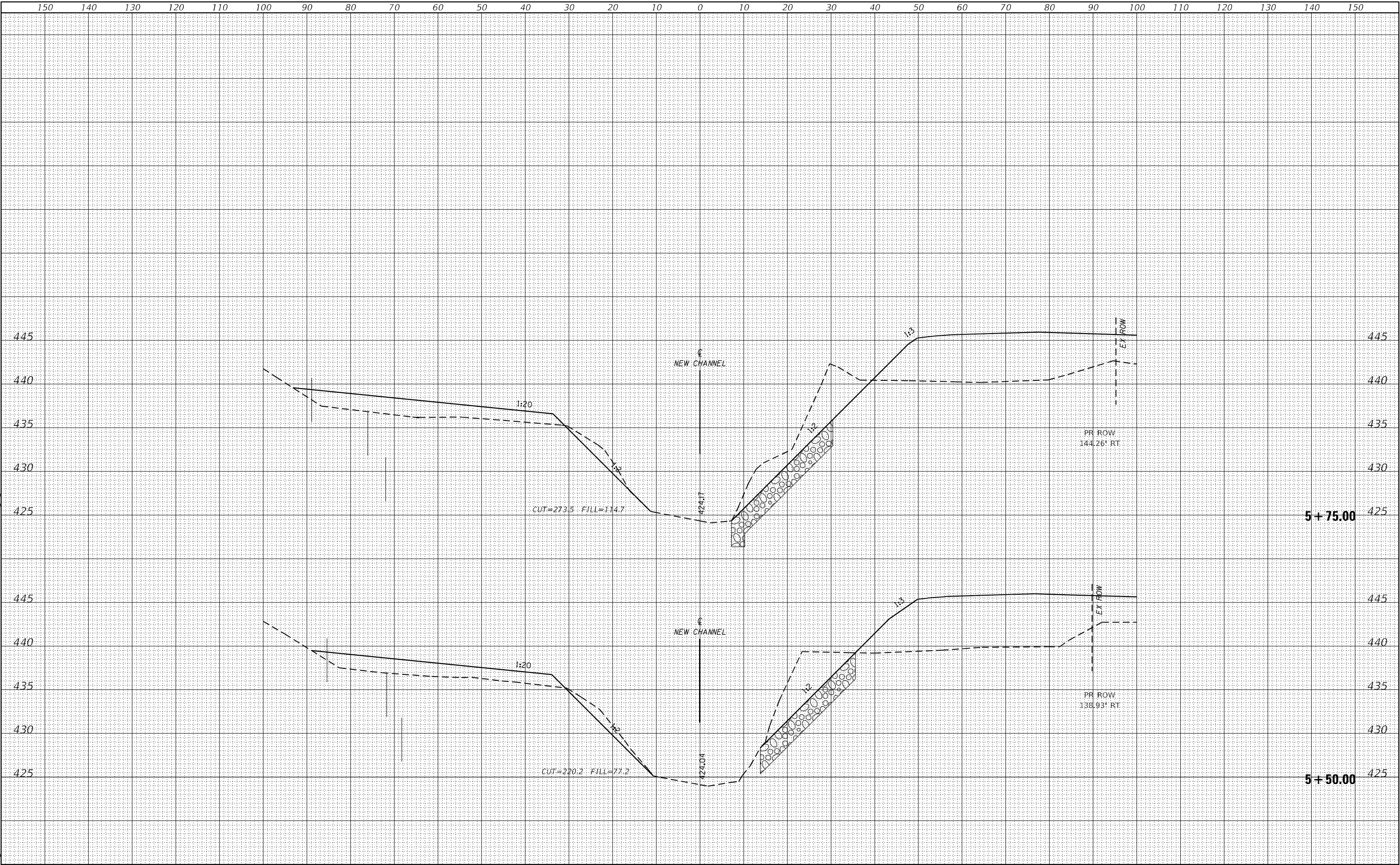




FINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

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

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USER NAME = untitled	DESIGNED -	REVISED -
DRAWN -	REVISED -	
PLOT SCALE = 20,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/15/2024	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CHANNEL CROSS SECTIONS

SCALE: 1"=10' SHEET 10 OF 17 SHEETS STA. 5+50.00 TO STA. 5+75.00

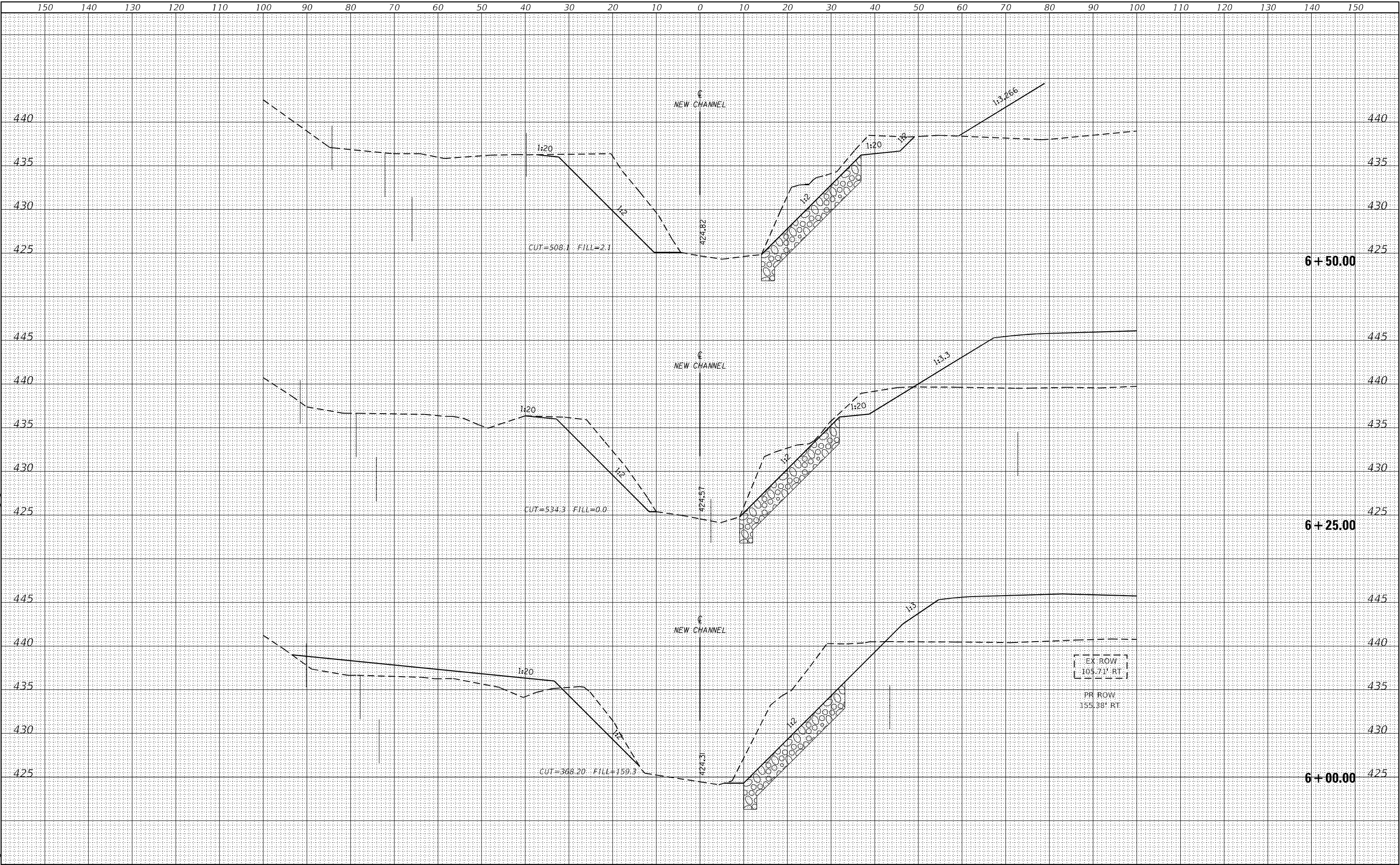
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	51-1R	MADISON	296	285
CONTRACT NO. 76A46				
ILLINOIS FED. AID PROJECT				



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

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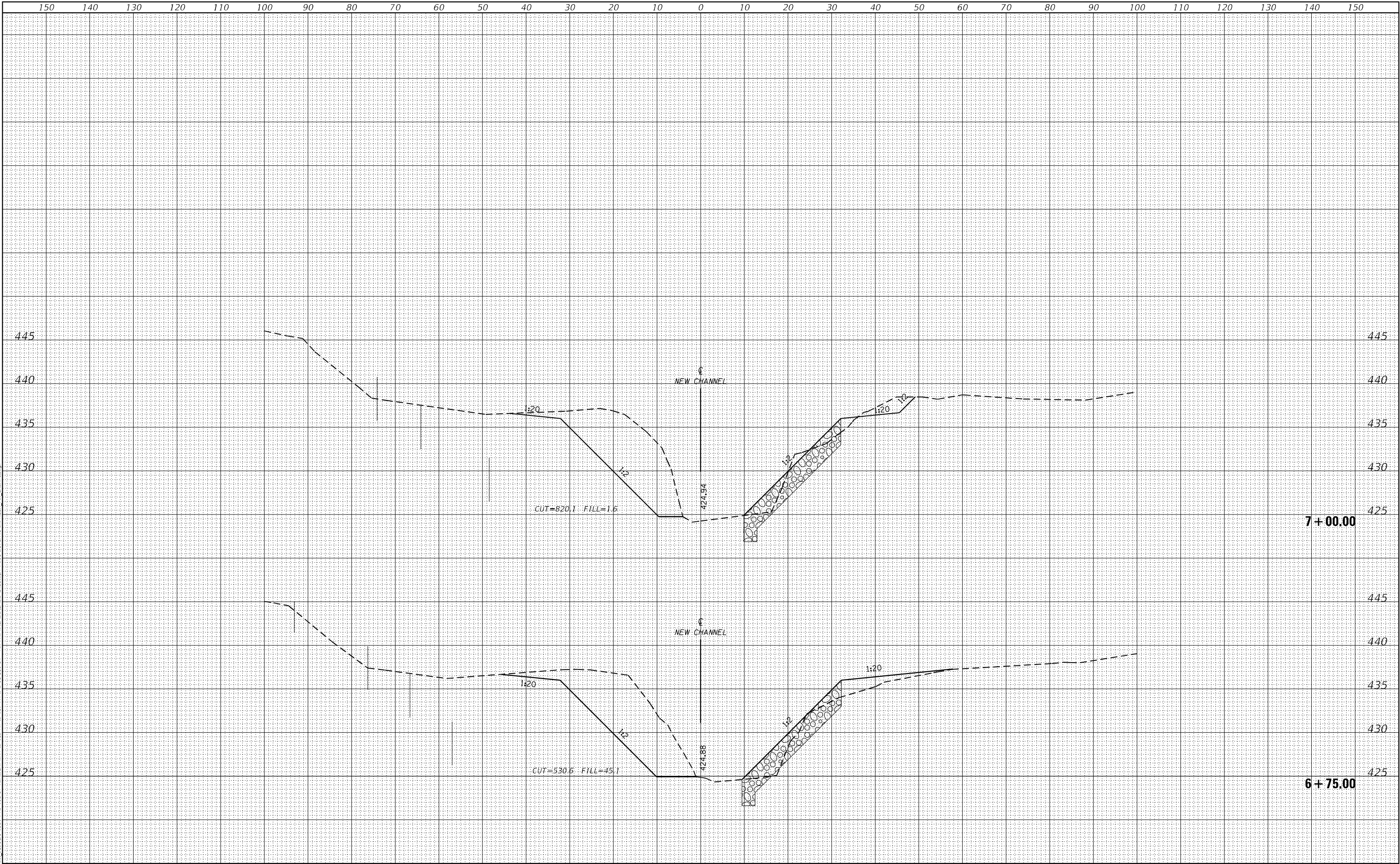
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FINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

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SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
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PLOT DATE = 10/15/2024	DATE -	REVISOR -

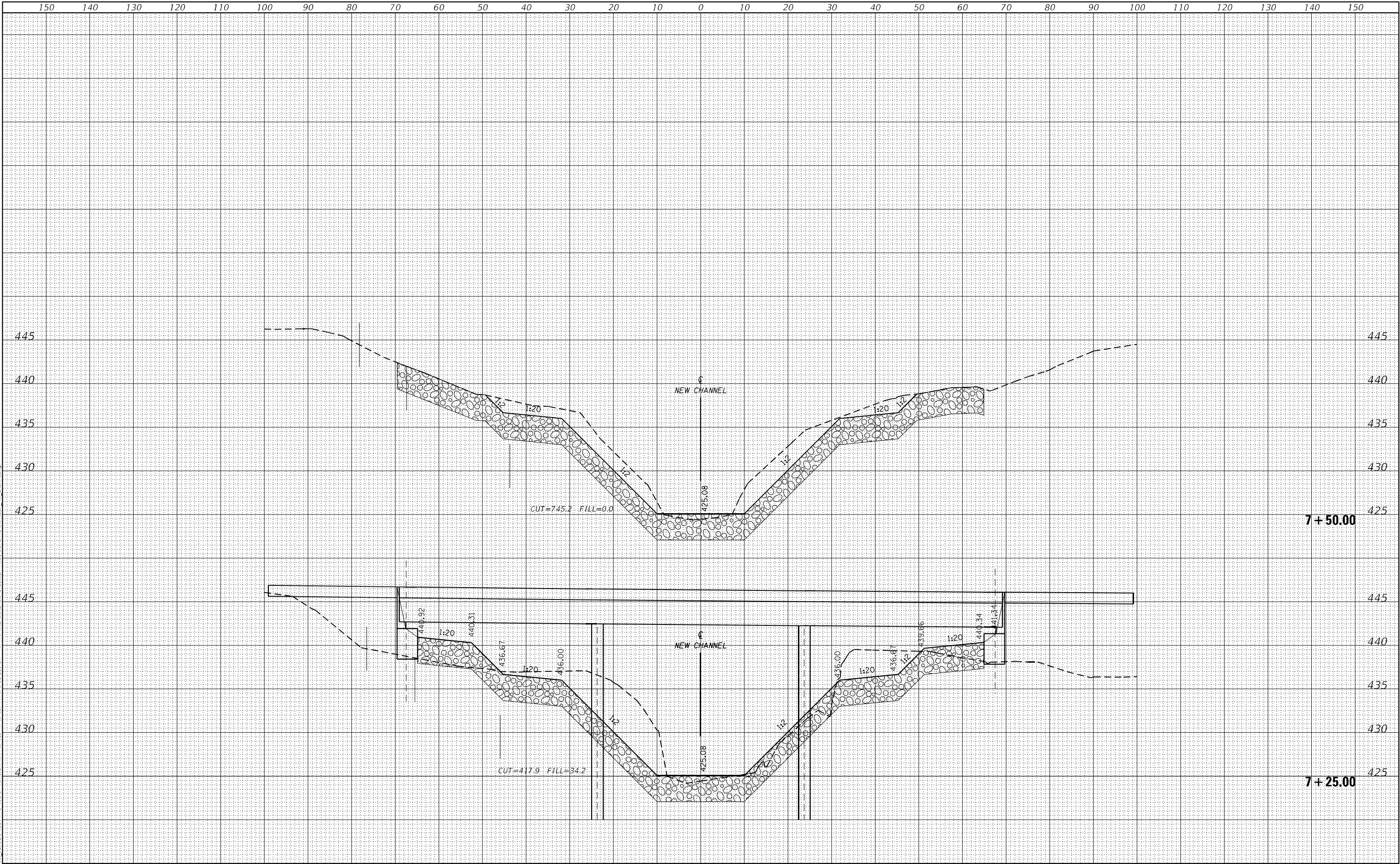
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	51-1R	MADISON	296	287
				CONTRACT NO. 76A46



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

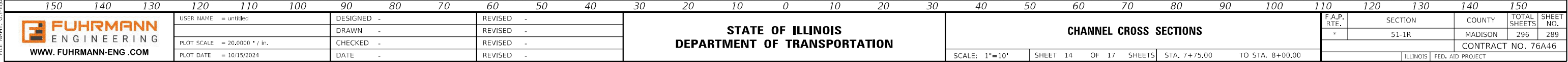
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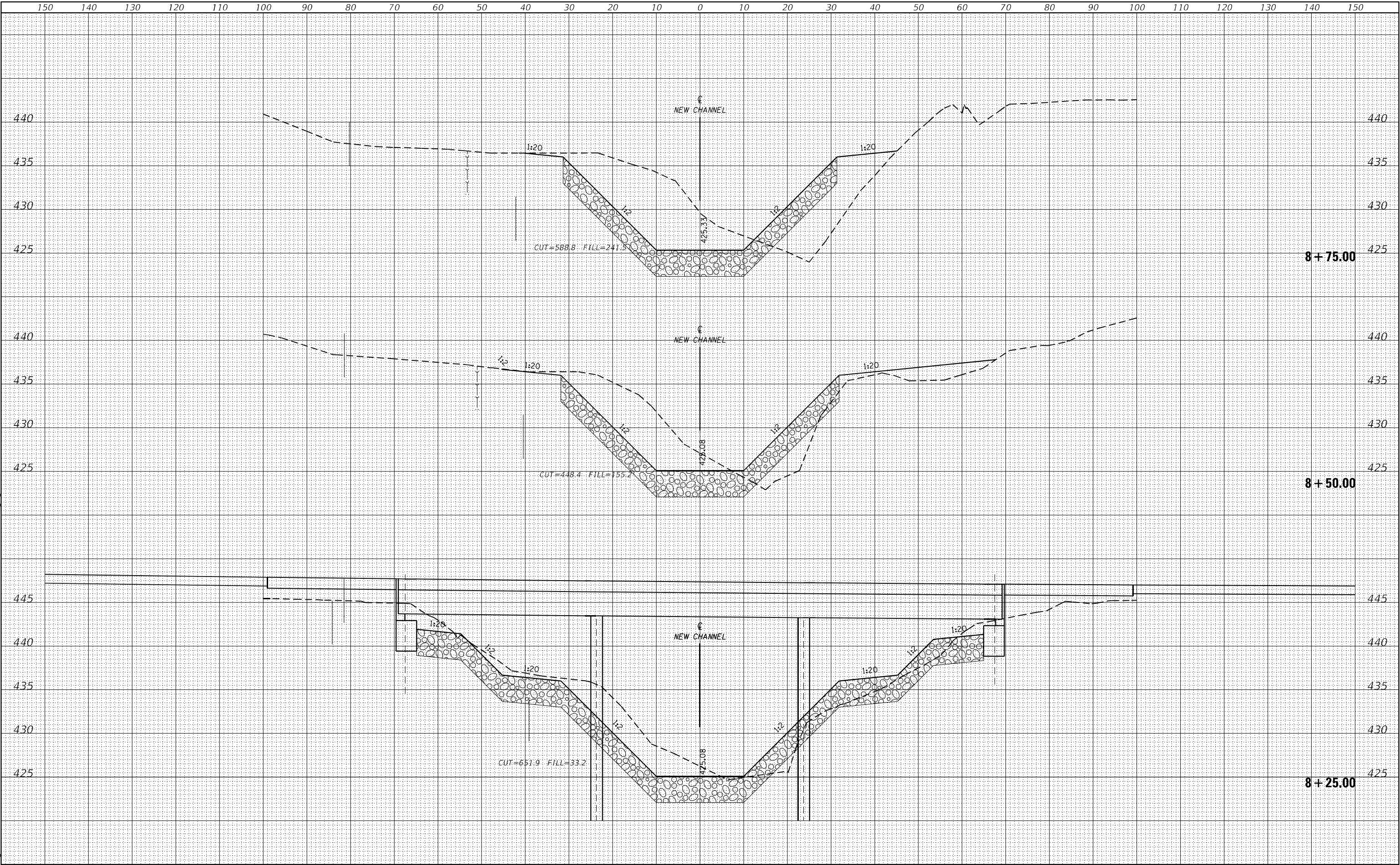
ORIGINAL			BY	DATE
SURVEY				
PLOTTED				
TEMPERATURE				
AREAS				
AREAS CHECKED				
NO.				



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

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

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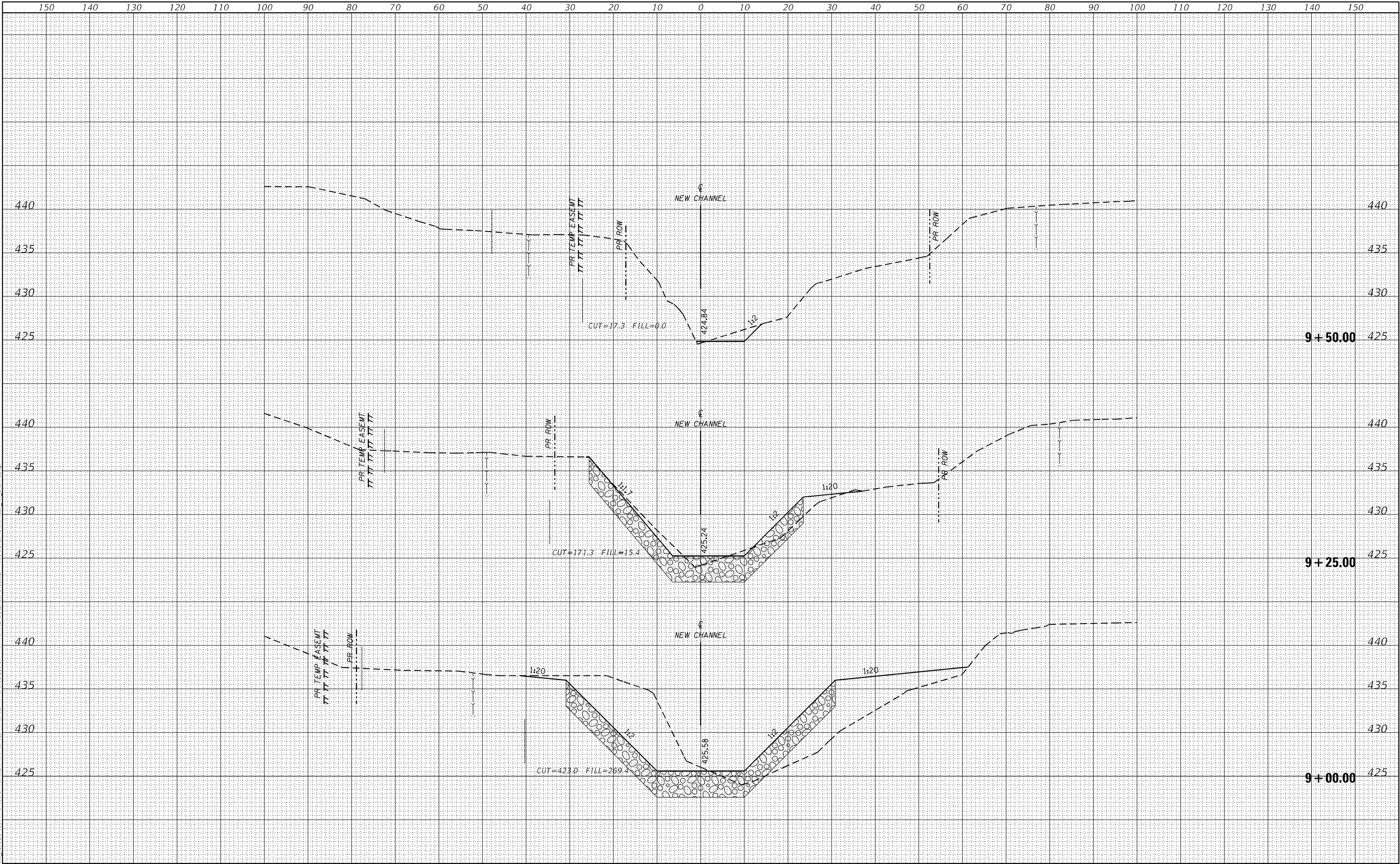




FINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

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SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

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USER NAME = untitled  
DESIGNED -  
DRAWN -  
PLOT SCALE = 20,0000 \* / in.  
PLOT DATE = 10/15/2024

DESIGNED -  
DRAWN -  
CHECKED -  
DATE -

REVISED -  
REVISED -  
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REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CHANNEL CROSS SECTIONS

SCALE: 1"=10' SHEET 16 OF 17 SHEETS STA. 9+00.00 TO STA. 9+50.00

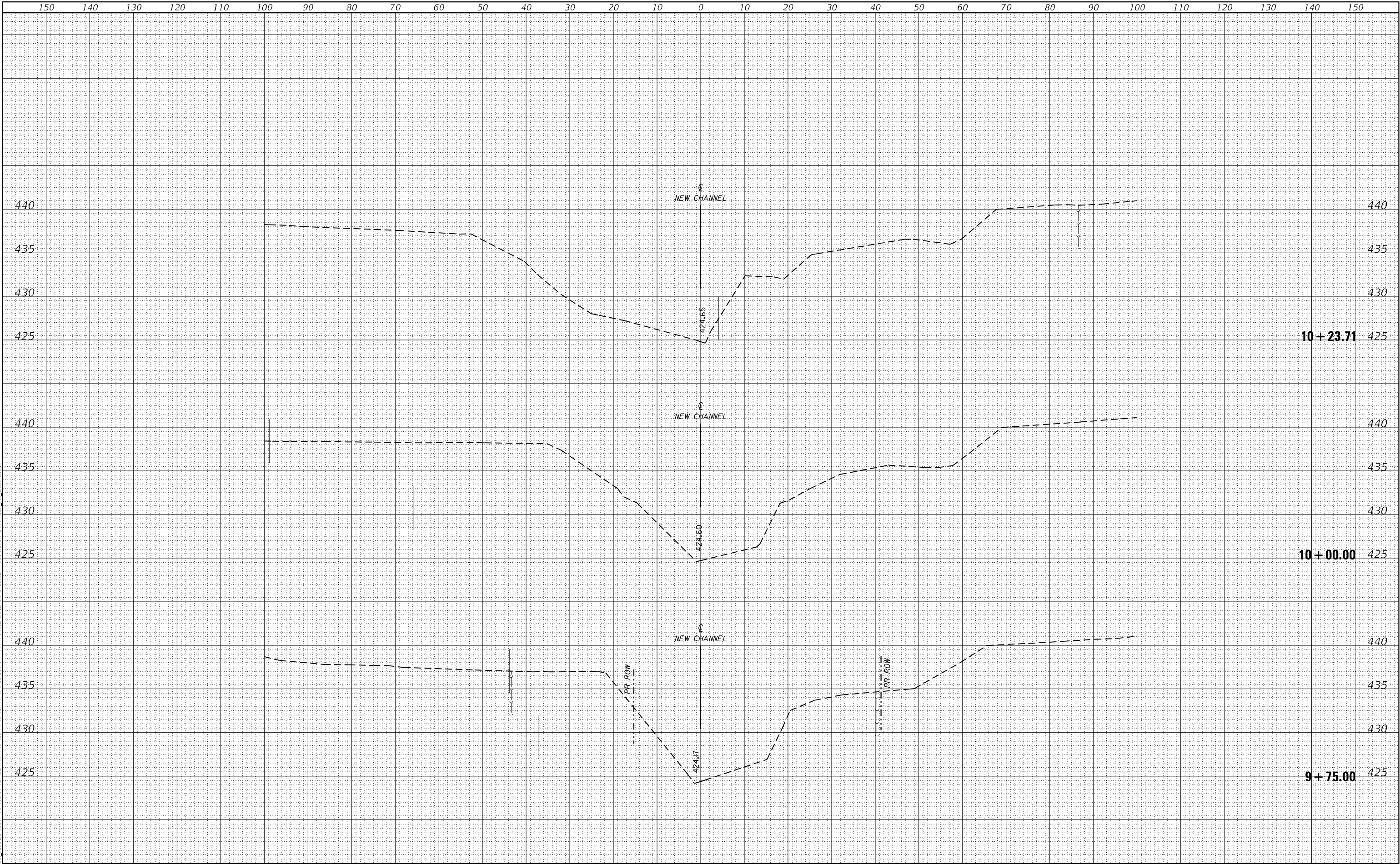
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	51-1R	MADISON	296	291
CONTRACT NO. 76A46				
ILLINOIS FED. AID PROJECT				



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

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

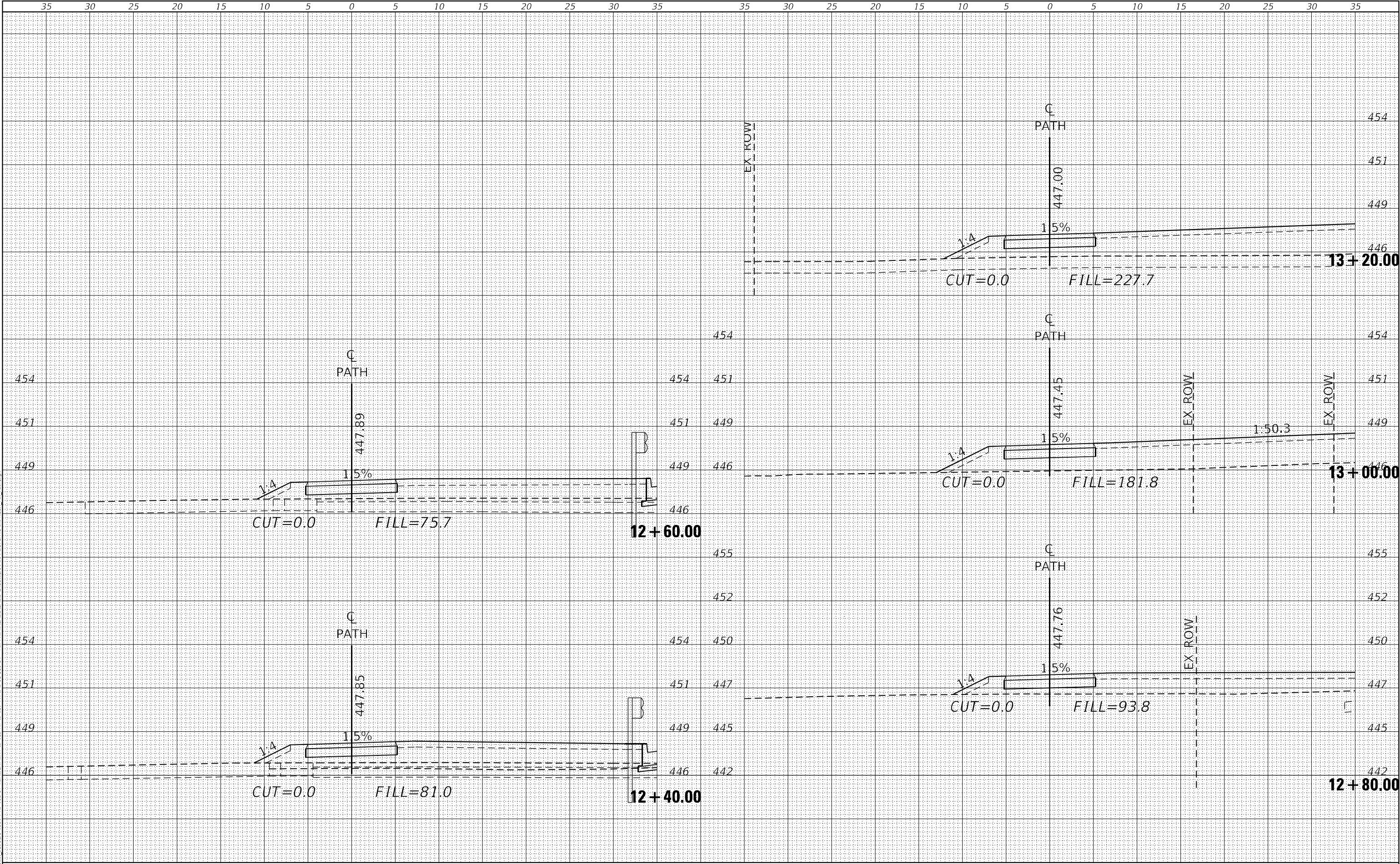
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FINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

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

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PROJECT: 2020-20-1581\_PTB\_195-57\_REALIGNMENT\_IL\_162\_AT\_IL\_137\_P111.DWG  
SHEET: 1 OF 4 SHEETS  
DATE: 10/15/2024



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PLOT DATE = 10/15/2024	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PATH CROSS SECTION

SCALE: 1"=5' SHEET 1 OF 4 SHEETS STA. 12+40.00 TO STA. 13+20.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	51-1R	MADISON	296	293
CONTRACT NO. 76A-46				

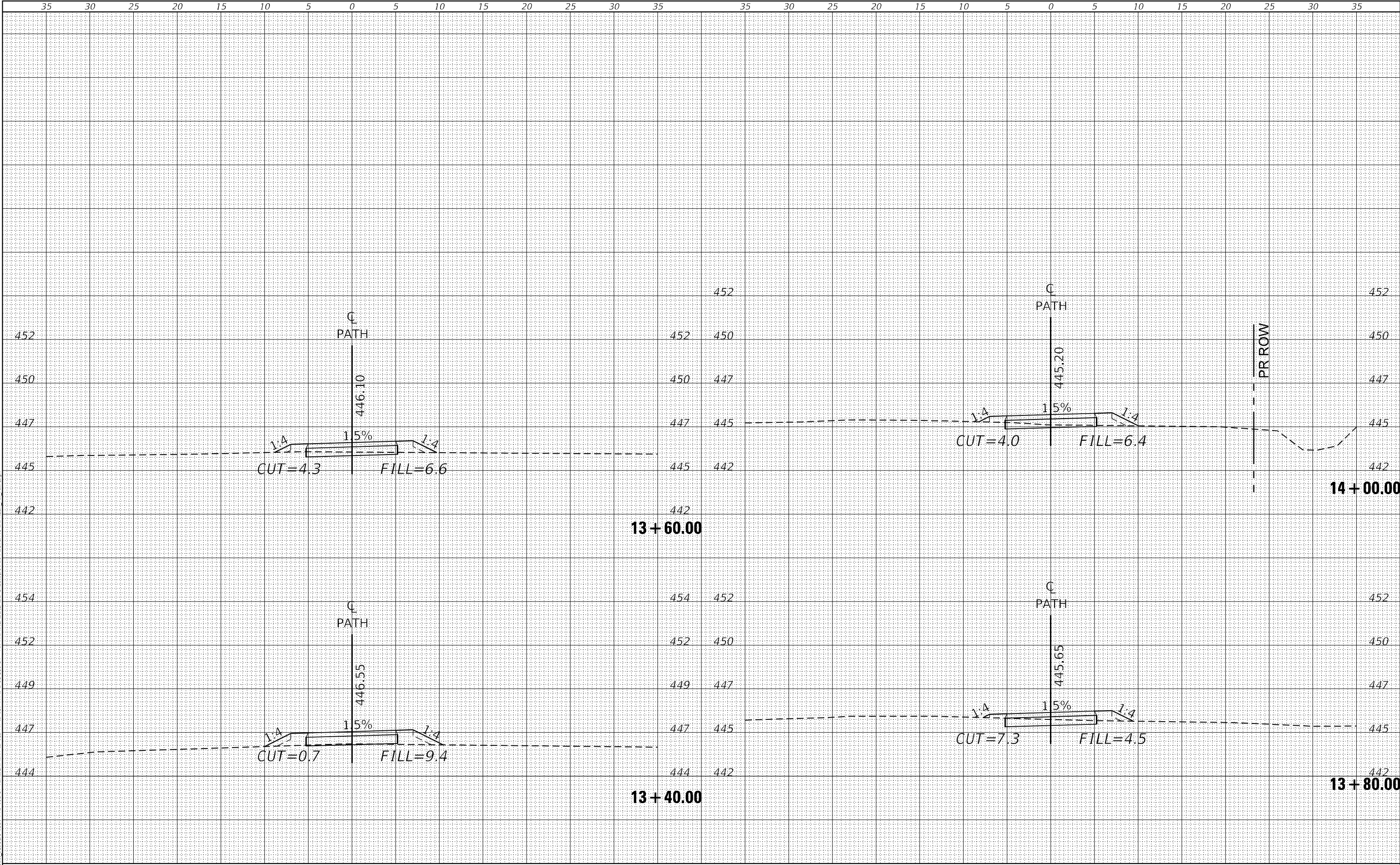
\* 586/592



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

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

MODEL: C:\Users\jgoff\Documents\2024\2024-1581\_PTB\_195-57\_REALIGNMENT\_IL\_162.dwg  
FILE NAME: G:\Users\jgoff\Documents\2024\2024-1581\_PTB\_195-57\_REALIGNMENT\_IL\_162.dwg  
PROJECT: 195-57 REALIGNMENT IL 162 AT IL 157 PM 11.0+00.00  
SHEET: 294 OF 294  
DATE: 10/15/2024



USER NAME = untitled	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 10/15/2024	DATE -	REVISED -

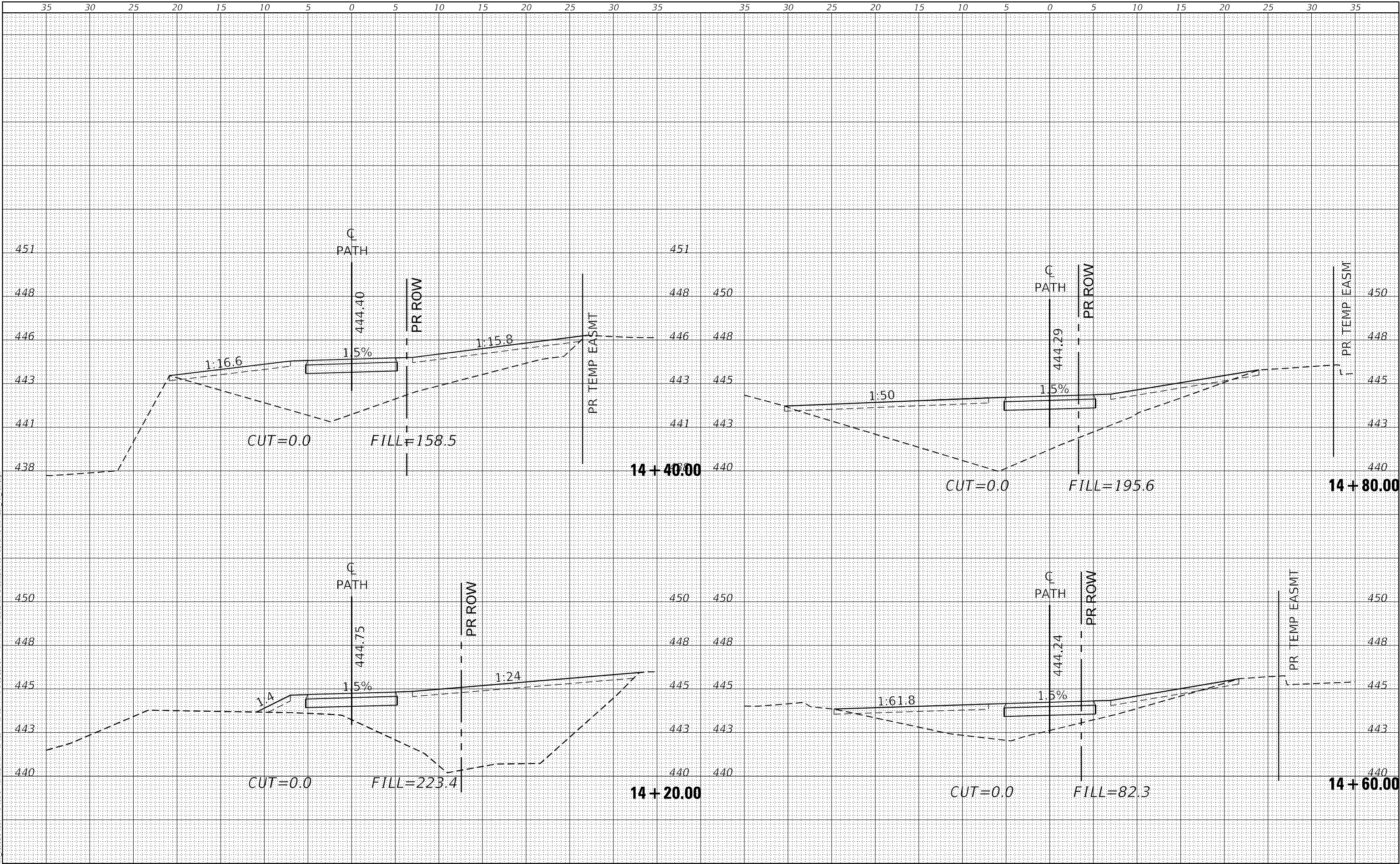
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	51-1R	MADISON	296	294
CONTRACT NO. 76A46				
ILLINOIS FED. AID PROJECT				



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

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

MODEL: FILE NAME: G:\FILES\2020\20-1581\_PTB\_195-57\_REALIGNMENT\_IL\_162\_AT\_IL\_137\_P411.DWG DATE: 10/15/2024 USER: FUHRMANN\JLH PROJECT: 2020-20-1581\_PTB\_195-57\_REALIGNMENT\_IL\_162\_AT\_IL\_137\_P411.DWG SHEET: 031 OF 031 TOTAL SHEETS: 031



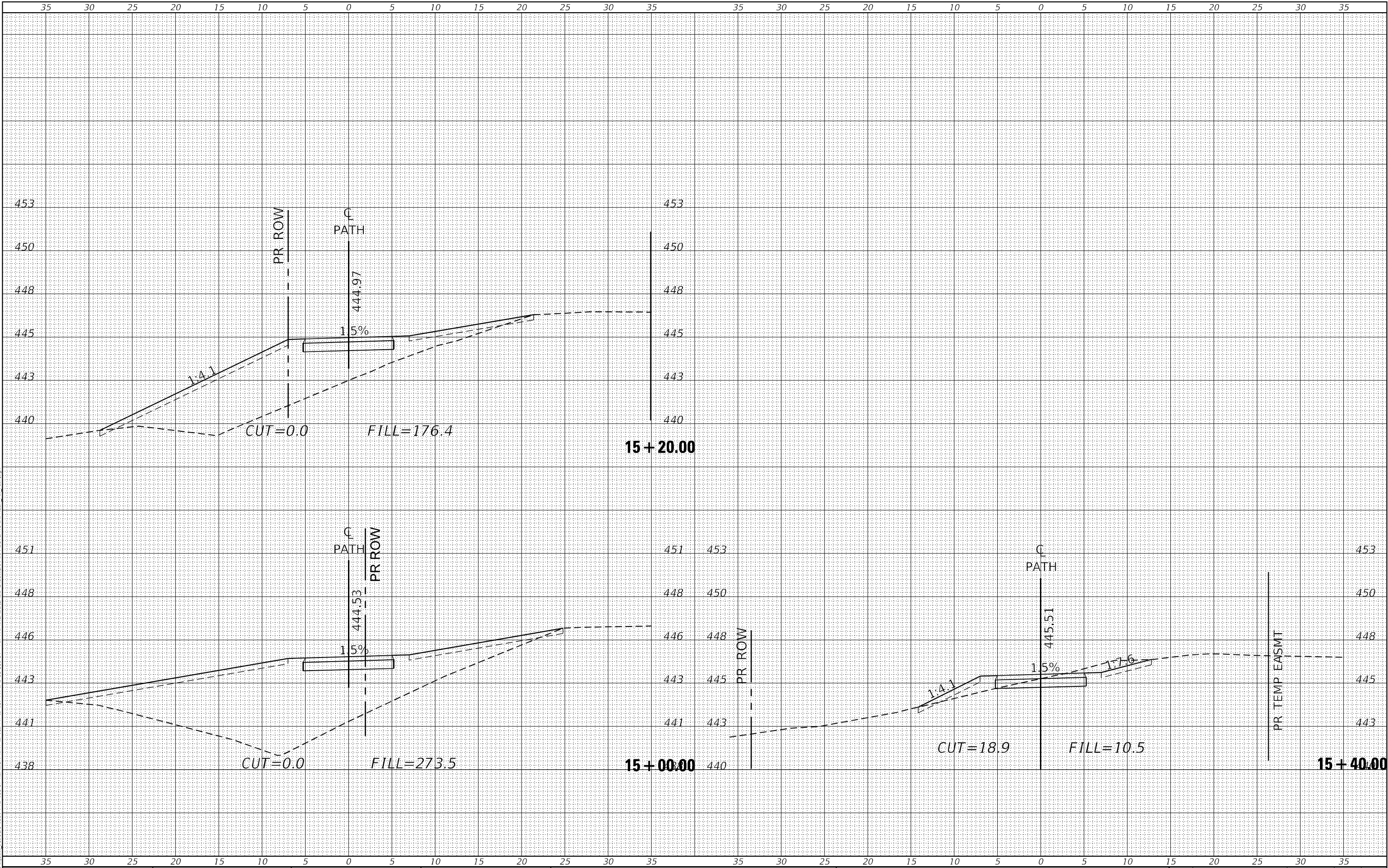
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PLOT DATE = 10/15/2024	DATE -	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	51-1R	MADISON	296	295
CONTRACT NO. 76A-46				

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

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

MODEL: C:\Users\jgoff\OneDrive\Documents\2024\02-1581\_PTB\_195-57\_REALIGNMENT\_IL\_162\_AT\_IL\_137\_P111.DWG  
FILE NAME: G:\Users\jgoff\OneDrive\Documents\2024\02-1581\_PTB\_195-57\_REALIGNMENT\_IL\_162\_AT\_IL\_137\_P111.DWG  
PROJECT: 195-57 REALIGNMENT IL 162 AT IL 137 P111  
SHEET: 031 OF 034  
DATE: 10/15/2024  
DRAWN: JGOFF  
CHECKED: JGOFF  
DESIGNED: JGOFF  
REVISIONS: 1. 10/15/2024 JGOFF



USER NAME = untitled  
PLOT SCALE = 10,000 \* / in.  
PLOT DATE = 10/15/2024

DESIGNED -  
DRAWN -  
CHECKED -  
DATE -

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PATH CROSS SECTION

SCALE: 1"=5' SHEET 4 OF 4 SHEETS STA. 15+00.00 TO STA. 15+80.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	51-1R	MADISON	296	296
CONTRACT NO. 76A46				

ILLINOIS FED. AID PROJECT

\* 586/592