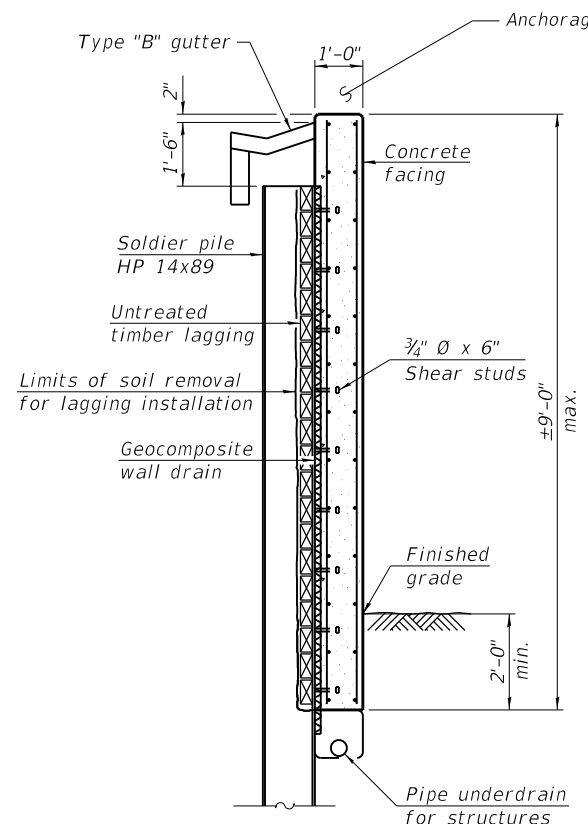
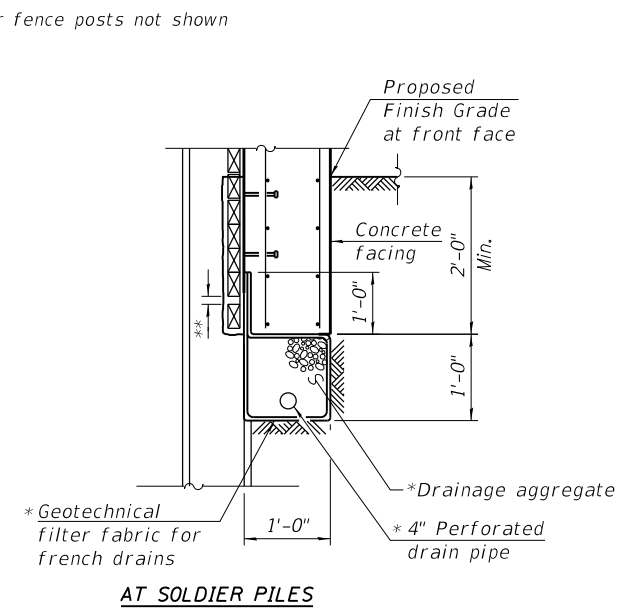


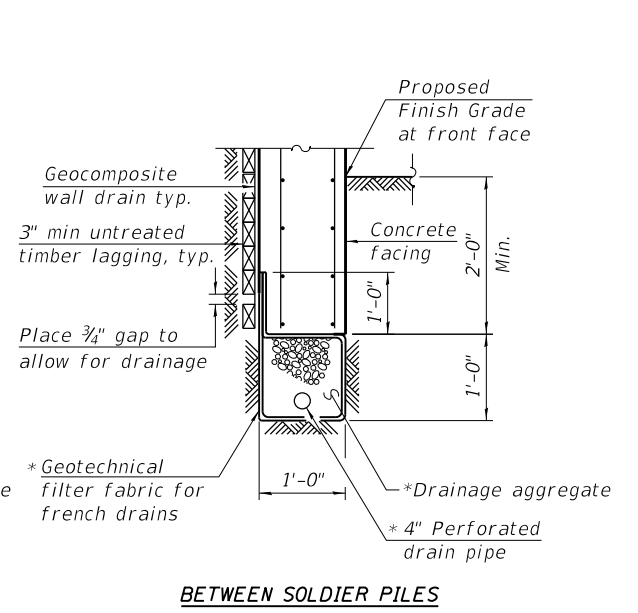
SHEAR STUD SPACING



SECTION THRU DRIVEN SOLDIER PILE WALL



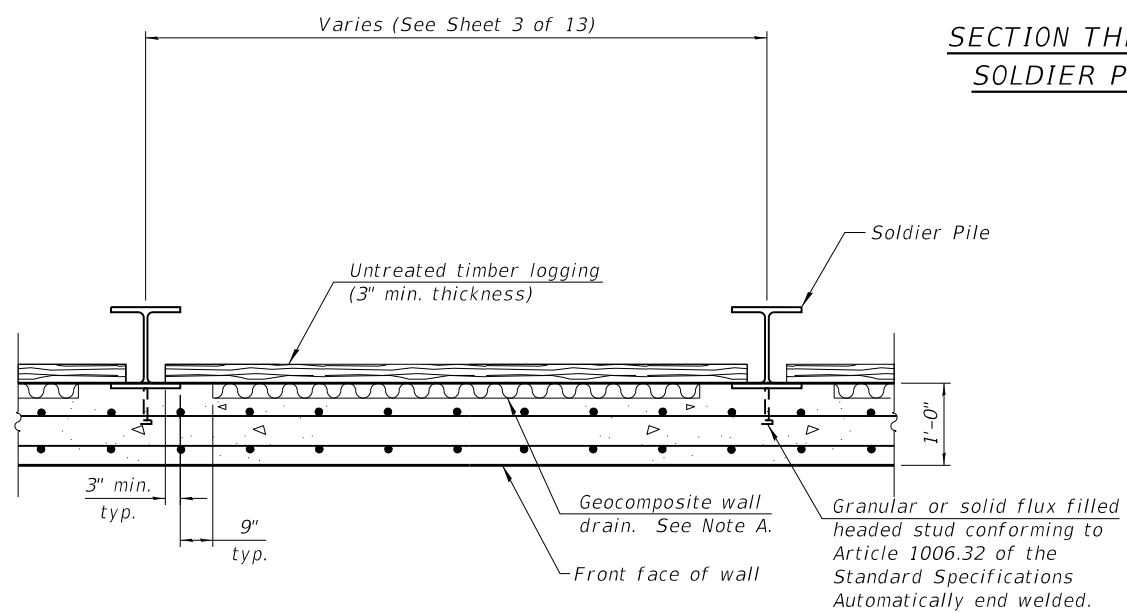
AT SOLDIER PILES



BETWEEN SOLDIER PILES

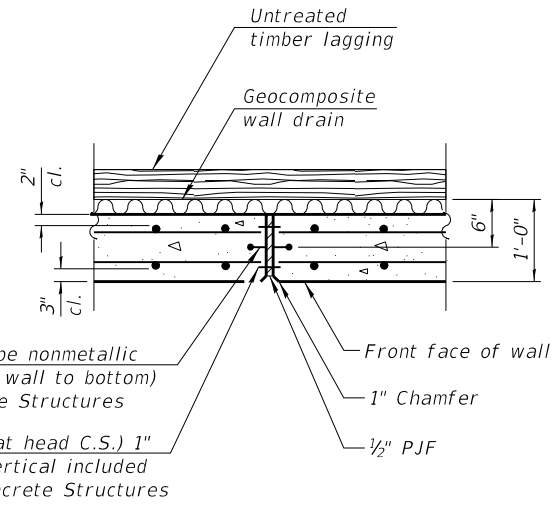
PIPE UNDERDRAIN DETAIL

*Included in the cost of Pipe Underdrain for Structures.
 **Place 3/4" gap to allow for drainage.
 Pipe Underdrain shall tie into ditch. The drain pipe will outlet at approximately Sta. 408+50.00 and Sta. 414+95.00.

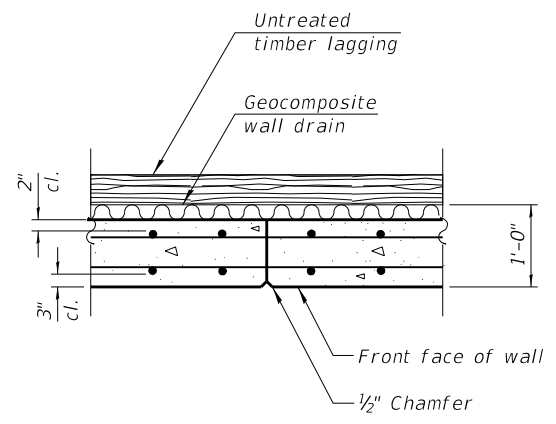


SECTION THRU DRIVEN SOLDIER PILE WALL

Note A: Geocomposite wall drain shall not have a thickness greater than 1 3/16"



EXPANSION JOINT DETAIL



CONSTRUCTION JOINT DETAIL

BILL OF MATERIAL

Item	Unit	Quantity
Stud Shear Connectors	Each	741
Furnishing Soldier Piles (HP Section)	Foot	2,724
Driving Soldier Piles	Foot	2,225
Untreated Timber Lagging	Sq Ft	3,981

MODEL: Default
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SA STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
 IDFPR NO. 184-001213

USER NAME = StevenB	DESIGNED - BRL	REVISD -
PLOT SCALE =	CHECKED - KRB	REVISD -
PLOT DATE = 12/18/2023	DRAWN - BJF	REVISD -
	CHECKED - AJS	REVISD -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

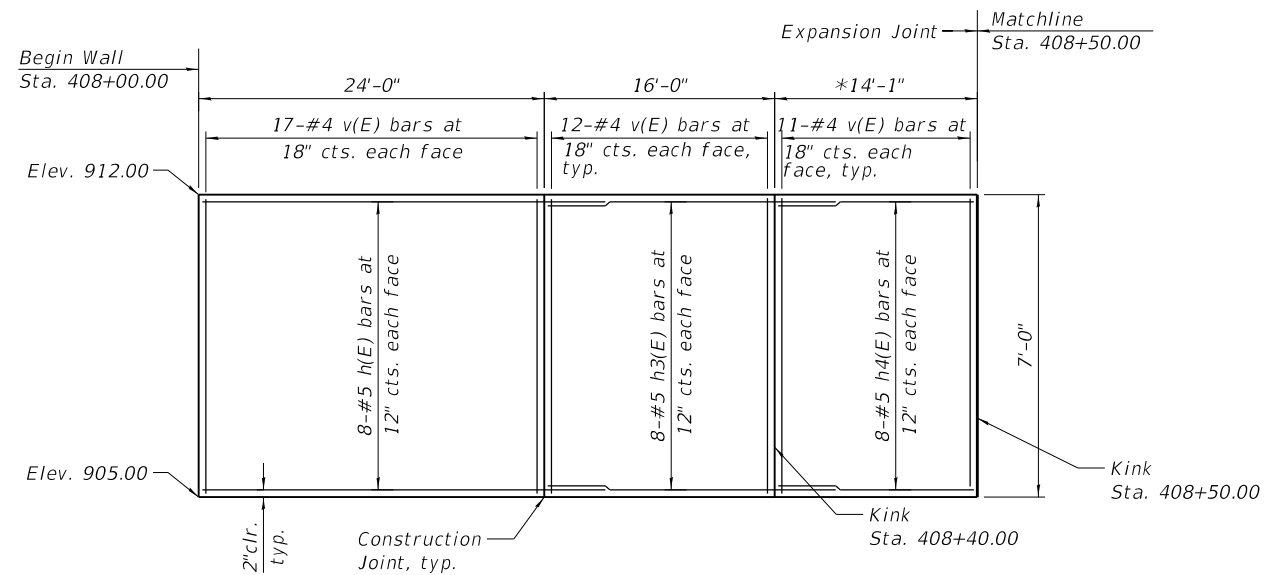
**SOLDIER PILE WALL DETAILS (1 OF 3)
 STRUCTURE NO. 056-5600**

SHEET 4 OF 13 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	McHENRY	803	601
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				

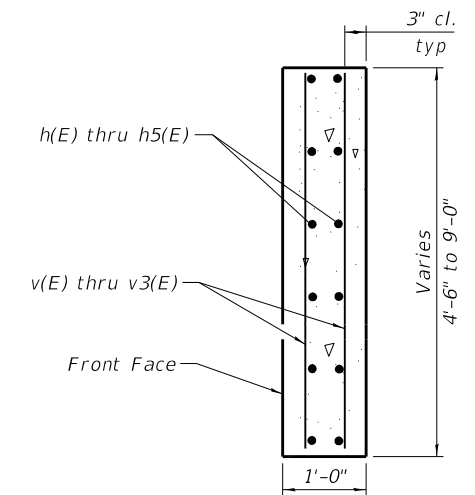
GENERAL NOTES

Stations and dimensions are at front face of wall.
 Space reinforcement in wall to miss shear studs.
 For Typical Section, see Sheet 2 of 13 and this sheet.

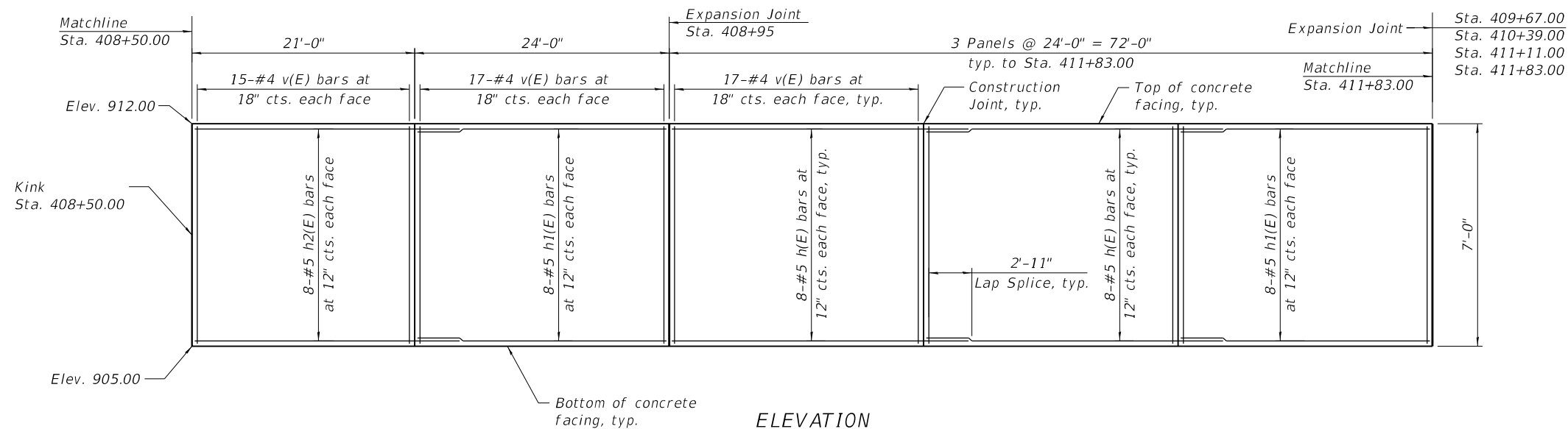


ELEVATION
 (Looking at front face of wall)

*Measured along the skew.



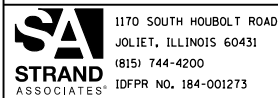
SECTION THRU CONCRETE FACING



ELEVATION
 (Looking at front face of wall)

MIN. BAR LAP
 #5 Bar = 2'-11"

MODEL: Default
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1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
 IDFPR NO. 184-001273

USER NAME = StevenB	DESIGNED - BRL	REVISED -
PLOT SCALE =	CHECKED - KRB	REVISED -
PLOT DATE = 12/18/2023	DRAWN - BJB	REVISED -
	CHECKED - AJS	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

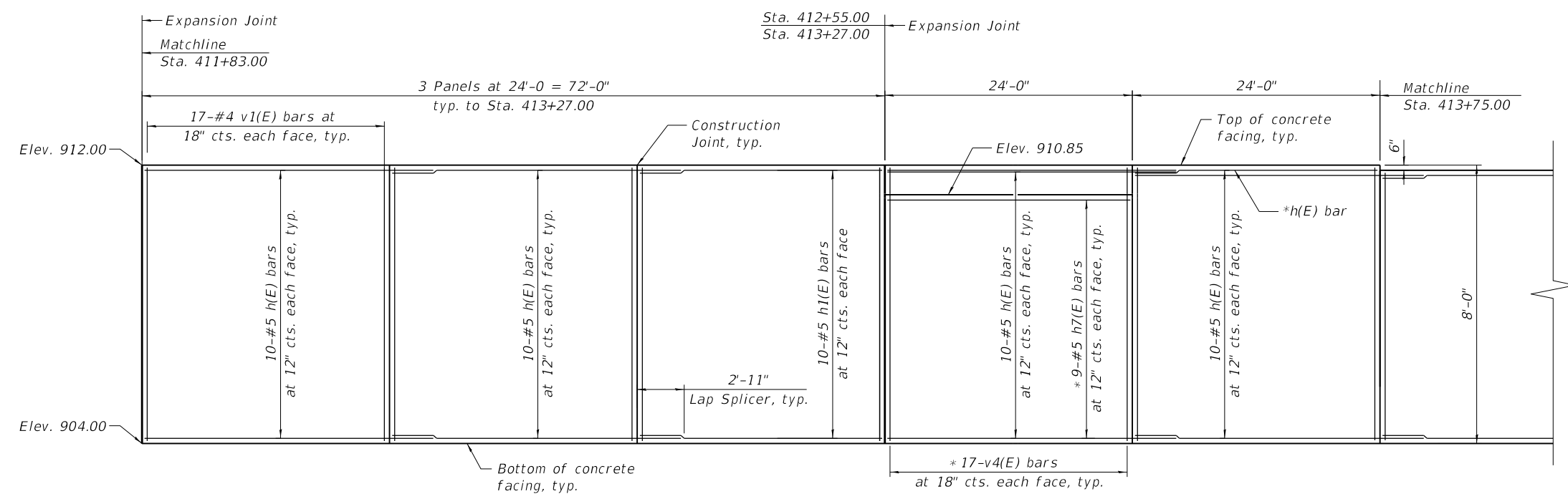
**SOLDIER PILE WALL DETAILS (2 OF 3)
 STRUCTURE NO. 056-5600**

SHEET 5 OF 13 SHEETS

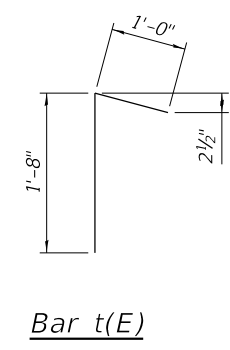
F.A.P. RTE. 326	SECTION 105-N-2(15)	COUNTY McHENRY	TOTAL SHEETS 803	SHEET NO. 602
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

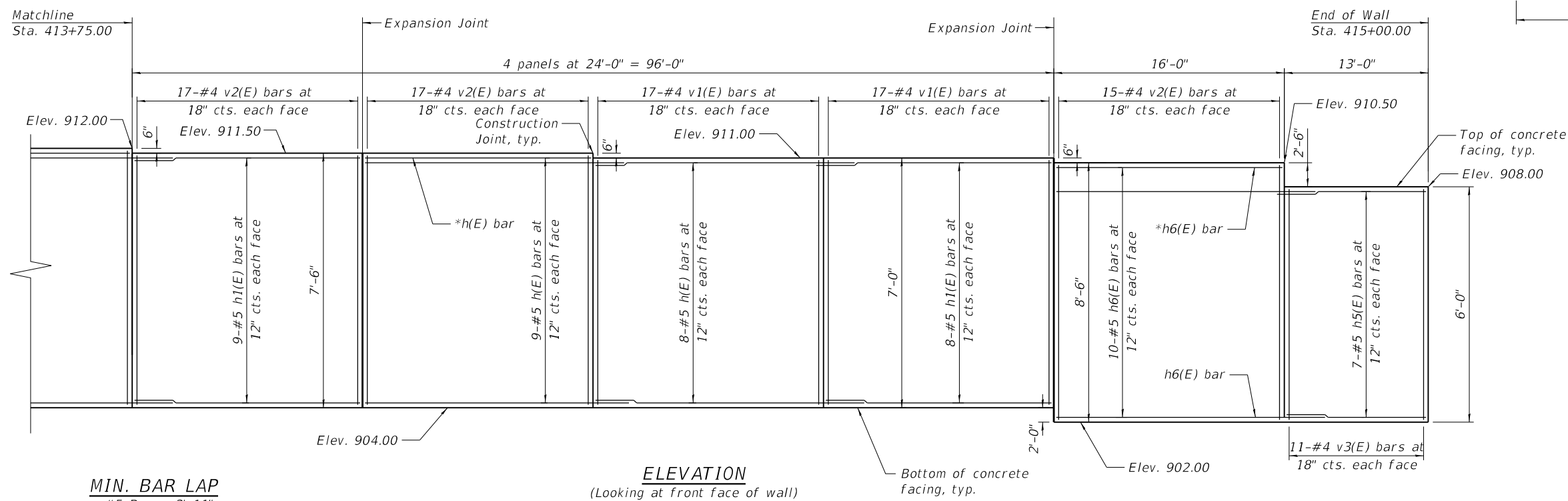
Stations and dimensions are at front face of wall.
 Space reinforcement in wall to miss shear studs.
 For Typical Section, see Sheet 2 of 13 and this sheet.



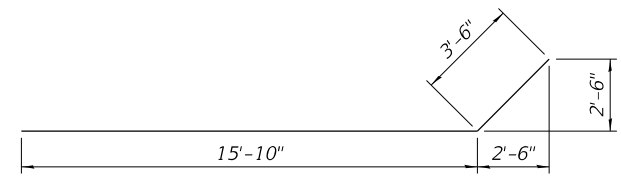
ELEVATION
 (Looking at front face of wall)



Bar t(E)



ELEVATION
 (Looking at front face of wall)



Bar h3(E)

MIN. BAR LAP
 #5 Bar = 2'-11"

*Cut-to-fit h(E) and h6(E) bars in field

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	298	#5	26'-9"	—
h1(E)	156	#5	23'-8"	—
h2(E)	16	#5	23'-9"	—
h3(E)	16	#5	18'-9"	—
h4(E)	16	#5	13'-11"	—
h5(E)	14	#5	12'-10"	—
h6(E)	20	#5	22'-9"	—
h7(E)	18	#5	26'-9"	—
n(E)	25	#4	2'-0"	—
t(E)	25	#4	2'-8"	—
v(E)	552	#4	6'-8"	—
v1(E)	340	#4	7'-8"	—
v2(E)	98	#4	7'-2"	—
v3(E)	22	#4	5'-8"	—
w(E)	2	#4	25'-8"	—
Concrete Structures			Cu. Yd.	190
Reinforcement Bars, Epoxy Coated			Pound	19,140
Concrete Sealer			Sq. Ft.	5,978

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 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
 IDFPR NO. 184-001273

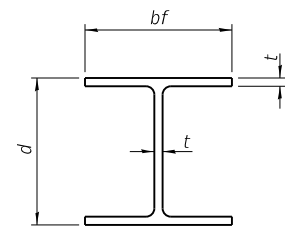
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PLOT SCALE =	CHECKED - KRB	REVISD -
PLOT DATE = 12/18/2023	DRAWN - BJF	REVISD -
	CHECKED - AJS	REVISD -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SOLDIER PILE WALL DETAILS (3 OF 3)
 STRUCTURE NO. 056-5600**

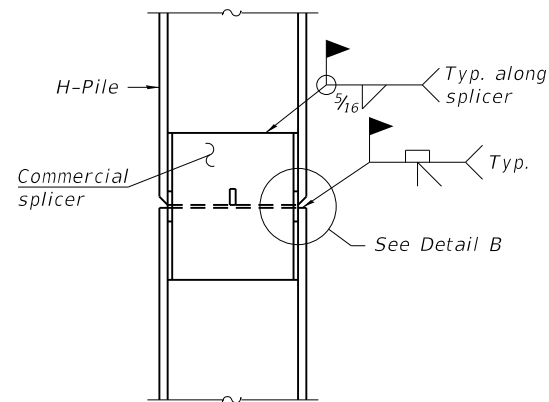
SHEET 6 OF 13 SHEETS

F.A.P. RTE. 326	SECTION 105-N-2(15)	COUNTY McHENRY	TOTAL SHEETS 803	SHEET NO. 603
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				

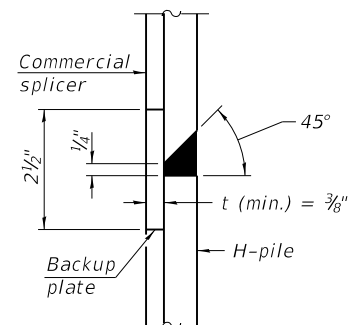


STEEL PILE TABLE

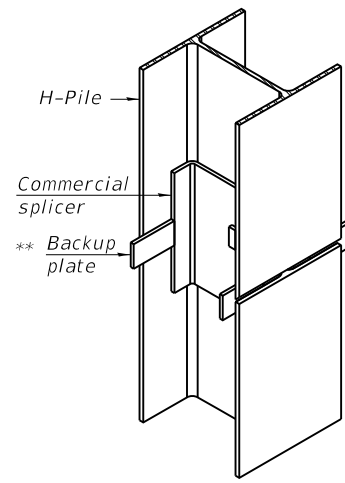
Designation	Depth d	Flange width bf	Web and Flange thickness t
HP 14x117	14 1/4"	14 7/8"	1 3/16"
x102	14"	14 3/4"	1 1/16"
x89	13 7/8"	14 3/4"	5/8"
x73	13 5/8"	14 5/8"	1/2"
HP 12x84	12 1/4"	12 1/4"	1 1/16"
x74	12 1/8"	12 1/4"	5/8"
x63	12"	12 1/8"	1/2"
x53	11 3/4"	12"	7/16"
HP 10x57	10"	10 1/4"	9/16"
x42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



ELEVATION

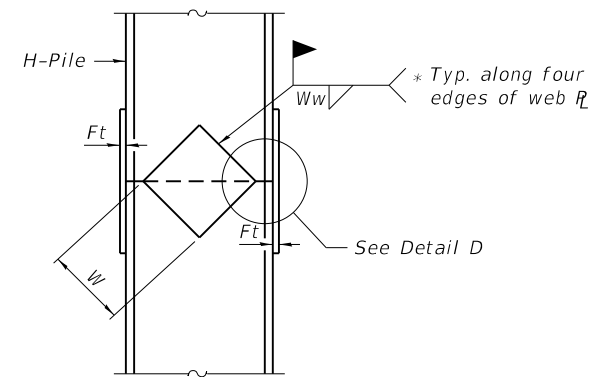


DETAIL "B"

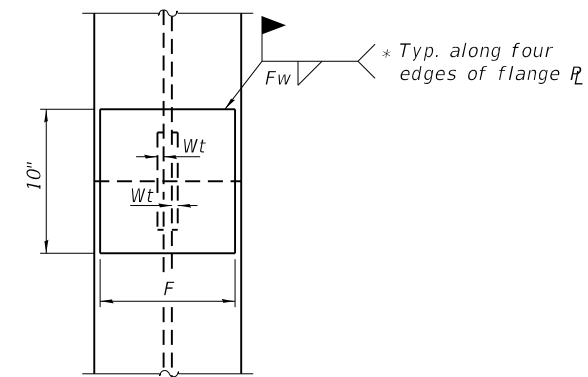


ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE



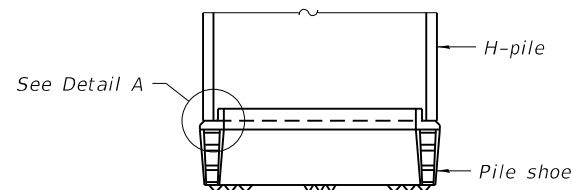
ELEVATION



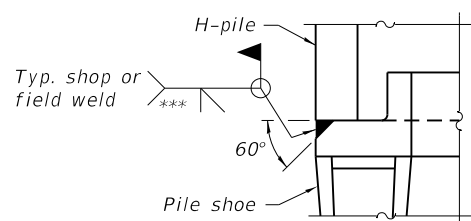
END VIEW

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

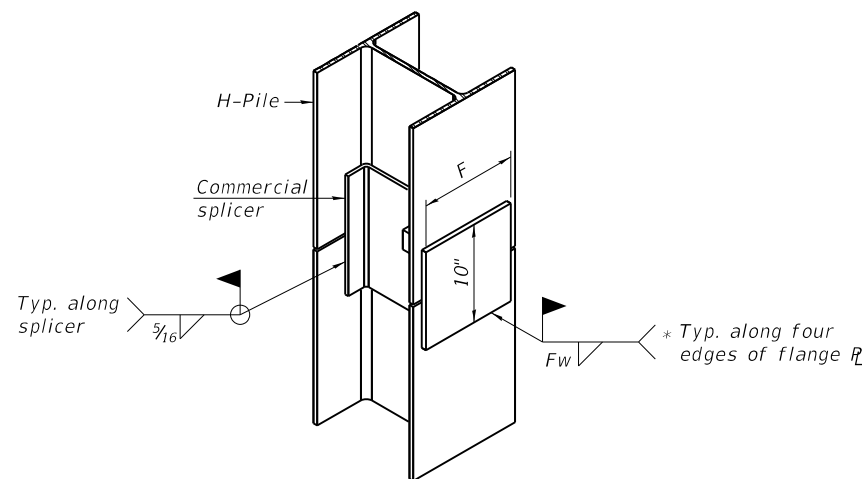


ELEVATION



DETAIL A

SHOE ATTACHMENT



ISOMETRIC VIEW

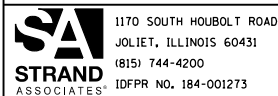
WELDED COMMERCIAL SPLICE ALTERNATE

- * 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.).

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

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F-HP 8-11-2017



1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

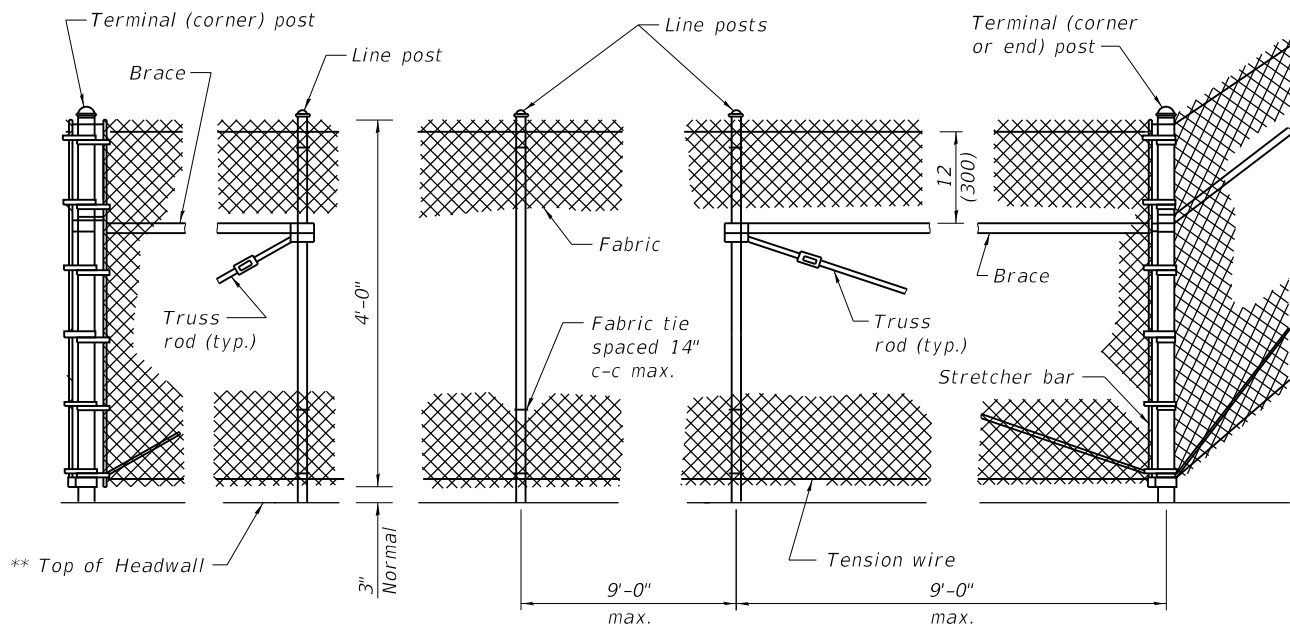
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PLOT SCALE =	CHECKED - KRB	REVISD -
PLOT DATE = 12/18/2023	DRAWN - BJF	REVISD -
	CHECKED - AJS	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HP PILE DETAILS
STRUCTURE NO. 056-5600

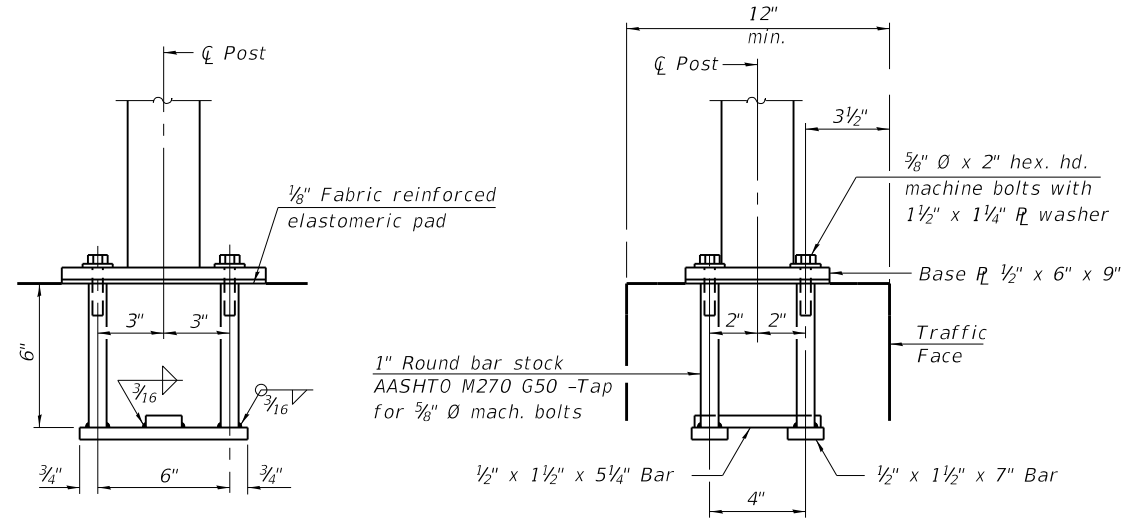
SHEET 7 OF 13 SHEETS

F.A.P. RTE. 326	SECTION 105-N-2(15)	COUNTY McHENRY	TOTAL SHEETS 803	SHEET NO. 604
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				



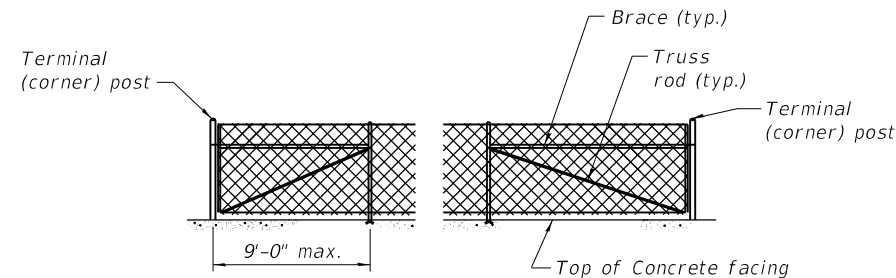
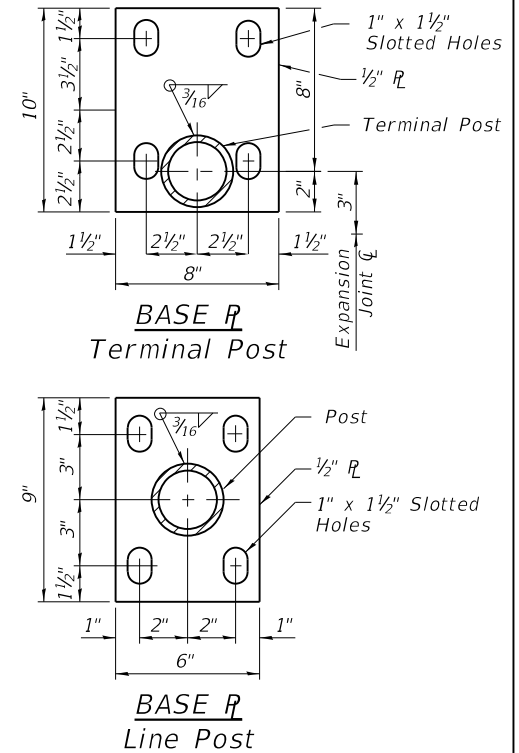
** Top of Headwall

- * Posts to be anchored using method shown in anchor bolt details. Post anchors should be placed between headwall stirrup locations.
- ** At Weir overflow hold bottom of fence fabric and tension wire over top of concrete panel at Elev. 912.00.



ANCHOR BOLT DETAILS

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" Ø adhesive anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

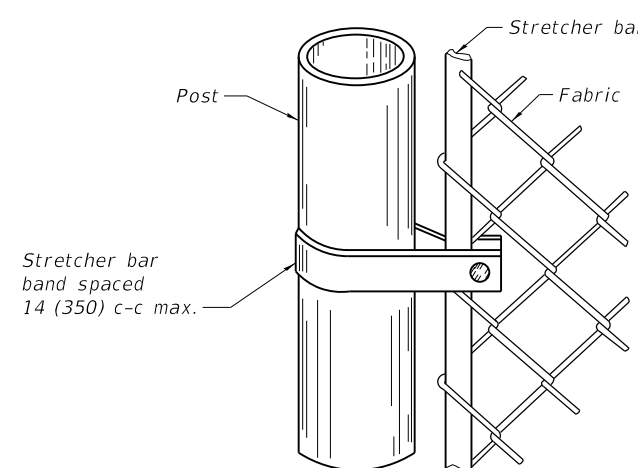


INSTALLATION ON RETAINING WALL

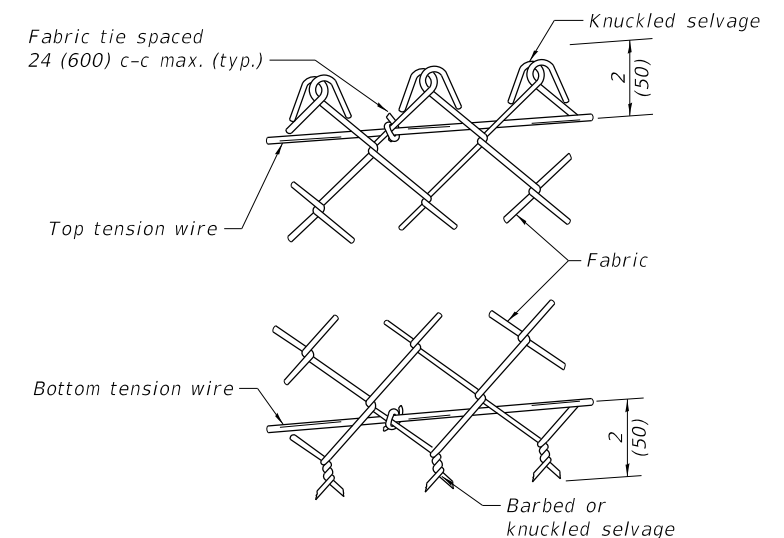
HORIZONTAL BRACES	
Section	lbs./ft. (kg/m)
Pipe Type A 1.66 (42.2) O.D.	2.27 (3.38)
Pipe Type B 1.66 (42.2) O.D.	1.83 (2.72)
Pipe Type C 1.66 (42.2) O.D.	1.82 (2.71)
H 1.31x1.5 (33.3x38.1)	2.25 (3.35)
Roll Formed 1 5/8x1 1/4 (41.3x31.8)	See detail

LINE POST	
Section	lbs./ft. (kg/m)
Pipe Type A 1.90 (48.3) O.D.	2.72 (4.05)
Pipe Type B 1.90 (48.3) O.D.	2.28 (3.39)
Pipe Type C 1.90 (48.3) O.D.	2.26 (3.36)
H 1.875x1.625 (47.6x41.3)	2.72 (4.05)
□	1.60 (2.38)
I	2.30 (3.42)

TERMINAL POST	
Section	lbs./ft. (kg/m)
Pipe Type A 2.375 (60.3) O.D.	3.65 (5.43)
Pipe Type B 2.375 (60.3) O.D.	3.11 (4.63)
Pipe Type C 2.375 (60.3) O.D.	3.09 (4.60)
Roll Formed 3 1/2x3 1/2 (89.0x89.0)	See detail
Sq. Tubing 2 1/2x2 1/2 (63.5x63.5)	4.32 (6.43)



METHOD OF FASTENING STRETCHER BAR TO POST



METHOD OF TYING FABRIC TO TENSION WIRES

BILL OF MATERIAL

Item	Unit	Quantity
Chain Link Fence, 4' Attached to Structure	Foot	705

NOTES:
Cost of all the anchor bolts and accessories required for Chain Link Supports are included in Chain Link Fence, 4' Attached to Structure.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FENCING DETAILS
STRUCTURE NO. 056-5600

SHEET 8 OF 13 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	McHENRY	803	605
CONTRACT NO. 62B43				

ILLINOIS FED. AID PROJECT

MODEL: Default
FILE NAME: SAJOL16300-63991634610691Micros\CAD_Sheets\162B43-RWALL-008-FENCEDET.dgn

SA
STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

USER NAME = StevenB	DESIGNED - BRL	REVISD -
PLOT SCALE =	CHECKED - KRB	REVISD -
PLOT DATE = 12/18/2023	DRAWN - BJF	REVISD -
	CHECKED - AJS	REVISD -

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BORING LOG RWB-03

wangeng@wangeng.com
1145 N Main Street
Lombard, IL 60148
Telephone: (630) 953-9928
Fax: (630) 953-9938

WEI Job No.: 195-13-02
Client: **Strand Associates, Inc.**
Project: **IL 47 at IL 176 and Pleasant Valley Road**
Location: **McHenry County, Illinois**

Datum: NAVD 88
Elevation: 911.98 ft
North: 2035643.06 ft
East: 955450.40 ft
Station: 410+04.39
Offset: 76.35 LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
911.73	1.73-inch thick, black SILTY CLAY LOAM --TOPSOIL-- Medium stiff to very stiff, brown SILTY CLAY, trace gravel --FILL-- --RDR 2--	0	1	3 2 6	0.98 B	21	882.0		0	11	5 6 8	1.48 B	16
906.5	Very stiff, black SILTY CLAY LOAM --BURIED TOPSOIL--	5	2	3 3 4	2.54 B	13		Boring terminated at 30.00 ft	30	12	4 6 8	1.75 P	15
904.0	Brown and gray SILT; saturated	10	3	2 5 9	3.36 B	23							
903.2	Stiff to hard, brown and gray, SILTY CLAY LOAM, trace gravel --RDR 2 to 3--	15	4	3 5 6	2.46 B	15			35				
	--sand lens; damp--	20	5	6 7 10	5.08 B	14							
	--gray--	25	6	7 8 11	5.17 B	13			40				
		30	7	5 7 9	2.79 B	14			45				
		35	8	5 6 7	1.97 B	16			50				
		40	9	4 4 7	2.13 B	17							
		45	10	4 5 8	2.54 B	16							

GENERAL NOTES

Begin Drilling: 07-01-2020 Complete Drilling: 07-01-2020
Drilling Contractor: Wang Testing Services Drill Rig: 17D50A [87%]
Driller: K&J Logger: E. Yim Checked by: C. Marin
Drilling Method: 3.25" ID HSA; boring backfilled upon completion

WATER LEVEL DATA

While Drilling: 8.50 ft
At Completion of Drilling: DRY
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



BORING LOG RWB-04

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Fax: (630) 953-9938

WEI Job No.: 195-13-02
Client: **Strand Associates, Inc.**
Project: **IL 47 at IL 176 and Pleasant Valley Road**
Location: **McHenry County, Illinois**

Datum: NAVD 88
Elevation: 912.00 ft
North: 2035639.94 ft
East: 955519.73 ft
Station: 410+73.64
Offset: 71.88 LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
911.74	1.74-inch thick, black SILTY CLAY LOAM --TOPSOIL-- Stiff to very stiff, brown SILTY CLAY, trace gravel --RDR 2-- --FILL--	0	1	3 4 4	1.89 B	14	882.0		0	11	3 5 7	3.44 B	15
906.5	Stiff, black SILTY CLAY LOAM --BURIED TOPSOIL-- --RDR 2--	5	2	1 2 3	1.64 B	16		Boring terminated at 30.00 ft	30	12	4 6 8	2.46 B	15
904.0	Brown CLAY to SILTY CLAY --RDR 2--	10	3	3 2 4	1.56 B	34							
901.5	Stiff to hard, brown to gray, SILTY CLAY, trace gravel --RDR 2 to 4-- --wet clay at 12 feet--	15	4	4 4 4	1.50 P	29			35				
		20	5	3 2 3	1.64 B	18							
		25	6	4 7 9	4.59 B	15			40				
		30	7	7 9 11	5.66 B	13			45				
		35	8	7 7 9	3.61 B	14			50				
	--RDR 3 to 4-- --frequent chatter, hard drilling, 20 to 23.5 feet-- --possible cobbles--	40	9	4 7 10	2.21 B	16							
		45	10	4 6 8	3.36 B	16							

GENERAL NOTES

Begin Drilling: 07-01-2020 Complete Drilling: 07-01-2020
Drilling Contractor: Wang Testing Services Drill Rig: 17D50A [87%]
Driller: K&J Logger: E. Yim Checked by: C. Marin
Drilling Method: 3.25" ID HSA; boring backfilled upon completion

WATER LEVEL DATA

While Drilling: 12.00 ft
At Completion of Drilling: DRY
Time After Drilling: NA
Depth to Water: NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

MODEL: Default
FILE NAME: SA\JUL16\300-6399\6346\069\Micros\CAD_Sheets\162B43-RWALL-010-BLOG.dgn
WANGENG 1951302.GPJ WANGENG.GDT 9/11/20

WANGENG 1951302.GPJ WANGENG.GDT 9/11/20



1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

USER NAME = StevenB	DESIGNED - BRL	REVISER -
PLOT SCALE =	CHECKED - KRB	REVISER -
PLOT DATE = 12/18/2023	DRAWN - BJF	REVISER -
	CHECKED - AJS	REVISER -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS
STRUCTURE NO. 056-5600

SHEET 10 OF 13 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	McHENRY	803	607
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				



BORING LOG RWB-05

wangeng@wangeng.com
1145 N MAin Street
Lombard, IL 60148
Telephone: (630) 953-9928
Fax: (630) 953-9938

Client **Strand Associates, Inc.**
Project **IL 47 at IL 176 and Pleasant Valley Road**
Location **McHenry County, Illinois**

Datum: NAVD 88
Elevation: 912.30 ft
North: 2035640.39 ft
East: 955599.41 ft
Station: 411+53.31
Offset: 70.77 LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample Type	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample Type	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
842.1	13-inch thick, black SILTY CLAY LOAM --TOPSOIL-- Stiff to very stiff, brown SILTY CLAY to SILTY CLAY LOAM, trace gravel	0	1	4 5 6	2.21 B	12		882.3		0	11	3 5 7	2.05 B	15	
	--FILL-- --RDR 2-- --L _c (%)=32, P _L (%)=16-- --%Gravel=8.4-- --%Sand=15.8-- --%Silt=50.0-- --%Clay=25.8-- --A-6 (10)--	5	2	2 2 3	1.72 B	17			Boring terminated at 30.00 ft	30	12	5 5 9	2.54 B	13	
905.7	Very stiff, black SILTY CLAY LOAM	10	3	3 5 9	3.28 B	23									
905.1	--BURIED TOPSOIL-- Very stiff, brown SILTY CLAY LOAM, little gravel	10	4	4 4 5	NP	13									
904.3	Loose, brown SANDY LOAM to LOAM, trace gravel; wet	10	5	2 5 6	2.54 B	16									
901.8	Stiff to hard, brown to gray SILTY CLAY LOAM, trace gravel	15	6	5 7 11	4.92 B	15									
	--gray--	20	7	6 9 11	3.20 B	15									
		25	8	6 7 12	3.20 B	15									
		25	9	6 9 10	2.79 B	15									
		25	10	3 5 6	1.64 B	17									

GENERAL NOTES

Begin Drilling **07-02-2020** Complete Drilling **07-02-2020**
 Drilling Contractor **Wang Testing Services** Drill Rig **17D50A [87%]**
 Driller **K&J** Logger **E. Yim** Checked by **C. Marin**
 Drilling Method **3.25" ID HSA; boring backfilled upon completion**

WATER LEVEL DATA

While Drilling **8.50 ft**
 At Completion of Drilling **DRY**
 Time After Drilling **NA**
 Depth to Water **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



BORING LOG RWB-06

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Client **Strand Associates, Inc.**
Project **IL 47 at IL 176 and Pleasant Valley Road**
Location **McHenry County, Illinois**

Datum: NAVD 88
Elevation: 907.89 ft
North: 2035638.90 ft
East: 955673.12 ft
Station: 412+26.98
Offset: 67.84 LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample Type	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample Type	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
907.6	64-inch thick, black SILTY CLAY LOAM --TOPSOIL-- Very stiff, brown SILTY CLAY, trace gravel	0	1	4 4 5	3.94 B	15		877.9	--sand seam; wet--	0	11	4 5 6	1.23 B	14	
	--FILL-- --RDR 2-- Very stiff, black SILTY CLAY LOAM	5	2	3 3 4	1.89 B	17			--sand seam; wet--	30	12	5 5 6	1.80 B	14	
	--BURIED TOPSOIL-- Stiff to hard, brown and gray to gray, SILTY CLAY, trace gravel	10	3	3 3 5	2.30 B	17									
	--gray--	15	4	5 6 7	4.18 B	16									
		20	5	3 7 7	3.61 B	15									
		25	6	3 4 7	3.28 B	15									
		30	7	3 5 6	2.95 B	14									
		35	8	3 4 6	1.80 B	17									
		40	9	4 5 9	2.71 B	14									
		45	10	6 7 8	1.72 B	14									

GENERAL NOTES

Begin Drilling **07-02-2020** Complete Drilling **07-02-2020**
 Drilling Contractor **Wang Testing Services** Drill Rig **17D50A [87%]**
 Driller **K&J** Logger **E. Yim** Checked by **C. Marin**
 Drilling Method **3.25" ID HSA; boring backfilled upon completion**

WATER LEVEL DATA

While Drilling **27.00 ft**
 At Completion of Drilling **DRY**
 Time After Drilling **NA**
 Depth to Water **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

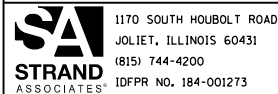
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS
STRUCTURE NO. 056-5600

SHEET 11 OF 13 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	McHENRY	803	608
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

USER NAME = StevenB	DESIGNED - BRL	REVISED -
PLOT SCALE =	CHECKED - KRB	REVISED -
PLOT DATE = 12/18/2023	DRAWN - BJF	REVISED -
	CHECKED - AJS	REVISED -

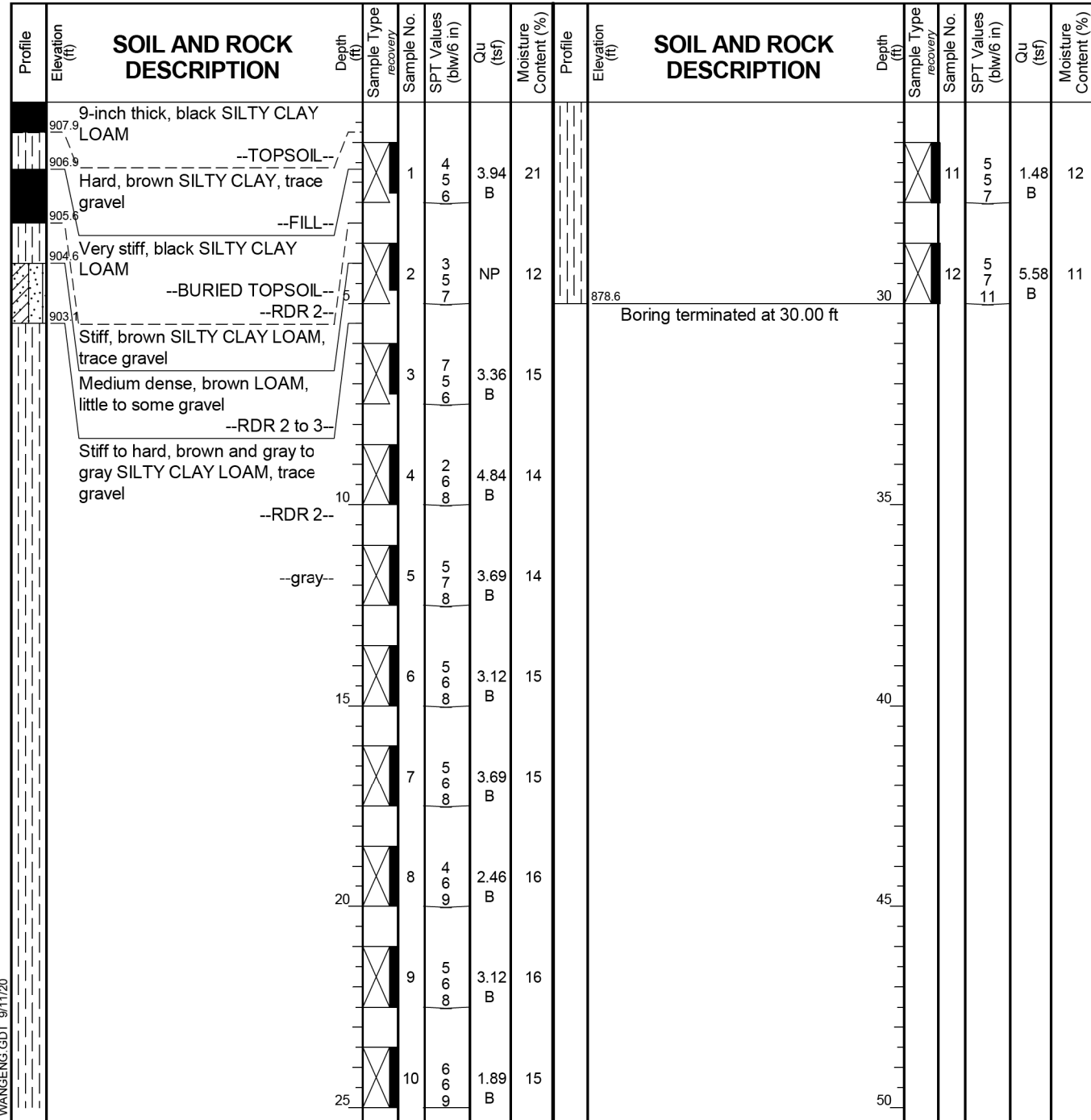


BORING LOG RWB-07

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Lombard, IL 60148
Telephone: (630) 953-9928
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WEI Job No.: 195-13-02
Client: **Strand Associates, Inc.**
Project: **IL 47 at IL 176 and Pleasant Valley Road**
Location: **McHenry County, Illinois**

Datum: NAVD 88
Elevation: 908.60 ft
North: 2035642.16 ft
East: 955743.92 ft
Station: 412+97.83
Offset: 69.72 LT



GENERAL NOTES

Begin Drilling: 07-02-2020 Complete Drilling: 07-02-2020
 Drilling Contractor: Wang Testing Services Drill Rig: 17D50A [87%]
 Driller: K&J Logger: E. Yim Checked by: C. Marin
 Drilling Method: 3.25" ID HSA; boring backfilled upon completion

WATER LEVEL DATA

While Drilling: DRY
 At Completion of Drilling: DRY
 Time After Drilling: NA
 Depth to Water: NA
 The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

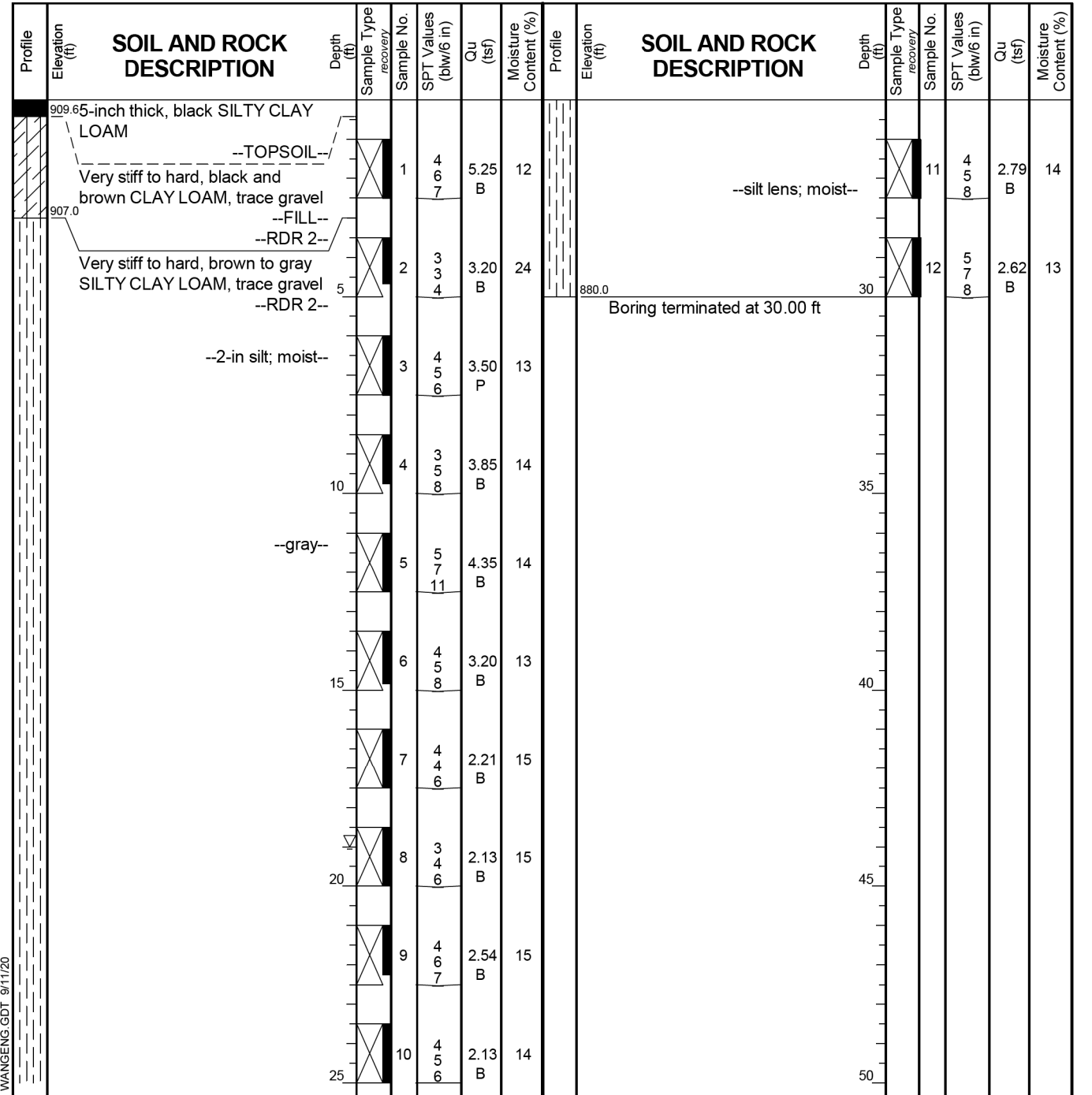


BORING LOG RWB-08

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1145 N Main Street
Lombard, IL 60148
Telephone: (630) 953-9928
Fax: (630) 953-9938

WEI Job No.: 195-13-02
Client: **Strand Associates, Inc.**
Project: **IL 47 at IL 176 and Pleasant Valley Road**
Location: **McHenry County, Illinois**

Datum: NAVD 88
Elevation: 910.03 ft
North: 2035648.59 ft
East: 955816.21 ft
Station: 413+70.23
Offset: 74.73 LT



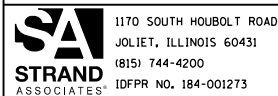
GENERAL NOTES

Begin Drilling: 07-06-2020 Complete Drilling: 07-06-2020
 Drilling Contractor: Wang Testing Services Drill Rig: 17D50A [87%]
 Driller: K&J Logger: E. Yim Checked by: C. Marin
 Drilling Method: 3.25" ID HSA; boring backfilled upon completion

WATER LEVEL DATA

While Drilling: 19.00 ft
 At Completion of Drilling: DRY
 Time After Drilling: NA
 Depth to Water: NA
 The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

MODEL: Default
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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

USER NAME = StevenB	DESIGNED - BRL	REVISED -
PLOT SCALE =	CHECKED - KRB	REVISED -
PLOT DATE = 12/18/2023	DRAWN - BJB	REVISED -
	CHECKED - AJS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS
STRUCTURE NO. 056-5600

SHEET 12 OF 13 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	McHENRY	803	609
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				



BORING LOG RWB-09

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Telephone: (630) 953-9928
Fax: (630) 953-9938

WEI Job No.: 195-13-02
Client: **Strand Associates, Inc.**
Project: **IL 47 at IL 176 and Pleasant Valley Road**
Location: **McHenry County, Illinois**

Datum: NAVD 88
Elevation: 910.05 ft
North: 2035650.43 ft
East: 955883.31 ft
Station: 414+37.36
Offset: 75.26 LT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	909.6	6-inch thick, dark brown SILTY CLAY LOAM --TOPSOIL--															
	908.2	Very stiff, brown SILTY CLAY LOAM --FILL--			1	4 4 5	2.87 B	21						11	5 5 9	4.18 B	19
	907.1	Very stiff, dark brown SILTY CLAY LOAM --BURIED TOPSOIL-- --RDR 2--			2	2 4 4	2.05 B	14						12	4 5 9	2.87 B	15
		Stiff to hard, brown to gray SILTY CLAY LOAM, trace gravel --RDR 2--			3	3 6 7	4.84 B	14		880.1	Boring terminated at 30.00 ft	30					
		--gray--			4	3 6 10	4.51 B	13									
					5	6 7 9	4.67 B	15									
					6	3 5 7	3.77 B	16									
					7	3 5 8	4.35 B	15									
					8	4 5 6	1.72 B	16									
					9	4 4 8	2.95 B	14									
					10	3 5 6	2.79 B	14									

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	07-06-2020	Complete Drilling	07-06-2020	While Drilling	▽	DRY	
Drilling Contractor	Wang Testing Services	Drill Rig	17D50A [87%]	At Completion of Drilling	▽	DRY	
Driller	K&J	Logger	E. Yim	Time After Drilling		NA	
Checked by	C. Marin	Drilling Method	3.25" ID HSA; boring backfilled upon completion	Depth to Water	▽	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							



BORING LOG RWB-10

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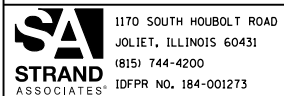
WEI Job No.: 195-13-02
Client: **Strand Associates, Inc.**
Project: **IL 47 at IL 176 and Pleasant Valley Road**
Location: **McHenry County, Illinois**

Datum: NAVD 88
Elevation: 906.82 ft
North: 2035643.88 ft
East: 955943.46 ft
Station: 414+97.35
Offset: 67.51 LT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	905.6	15-inch thick, medium stiff, black SILTY CLAY LOAM --TOPSOIL--															
	903.8	Medium stiff (0.5P) brown SILTY CLAY --RDR 2--			1	3 3 2	0.75 P	38						11	5 7 10	3.94 B	19
	901.3	Medium dense, brown SANDY LOAM to LOAM, little gravel --RDR 2--			2	3 5 5	NP	16		876.8	Boring terminated at 30.00 ft	30		12	6 9 12	3.53 B	12
		Stiff to hard, brown to gray SILTY CLAY LOAM, trace gravel --RDR 2--			3	3 6 7	5.00 B	15									
		--gray--			4	3 6 9	3.36 B	15									
					5	5 8 9	5.08 B	14									
					6	4 6 8	4.00 P	15									
					7	4 5 7	1.80 B	17									
					8	4 5 8	3.28 B	16									
					9	4 5 8	2.13 B	15									
					10	6 6 9	2.71 B	14									

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	07-06-2020	Complete Drilling	07-06-2020	While Drilling	▽	3.50 ft	
Drilling Contractor	Wang Testing Services	Drill Rig	17D50A [87%]	At Completion of Drilling	▽	DRY	
Driller	K&J	Logger	E. Yim	Time After Drilling		NA	
Checked by	C. Marin	Drilling Method	3.25" ID HSA; boring backfilled upon completion	Depth to Water	▽	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

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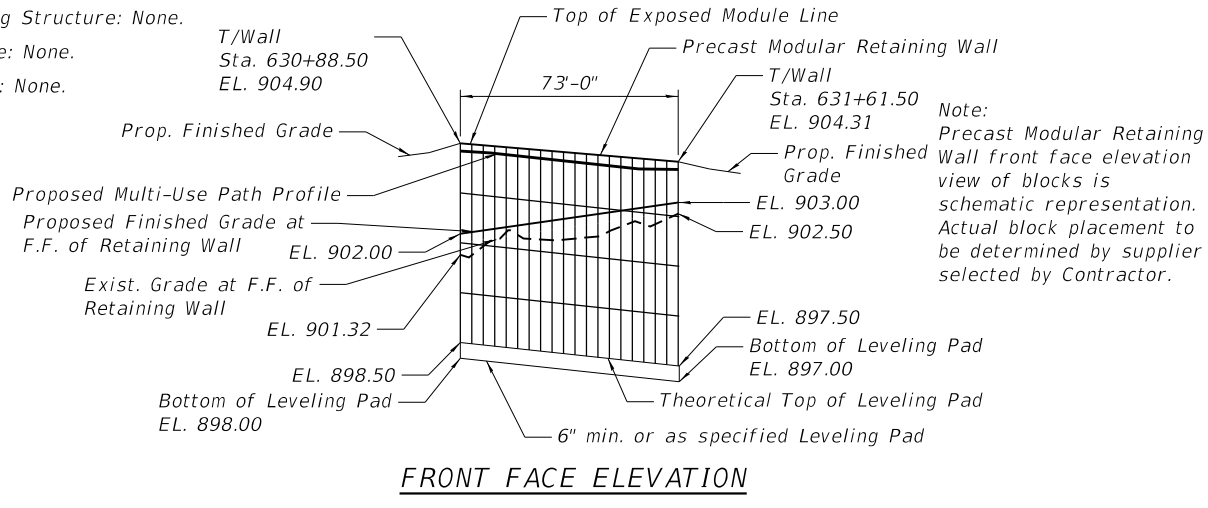
1170 SOUTH HOUBOLT ROAD JULIET, ILLINOIS 60431 (815) 744-4200 IDFPR NO. 184-001273	USER NAME = StevenB	DESIGNED - BRL	REVISIONS
		CHECKED - KRB	REVISIONS
		DRAWN - BJB	REVISIONS
		CHECKED - AJS	REVISIONS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS
STRUCTURE NO. 056-5600

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	McHENRY	803	610
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				

Benchmark: BM #9-Found bolt at the SW corner of Concrete Box Culvert. Elev.=901.775
 Existing Structure: None.
 Salvage: None.
 Staged: None.

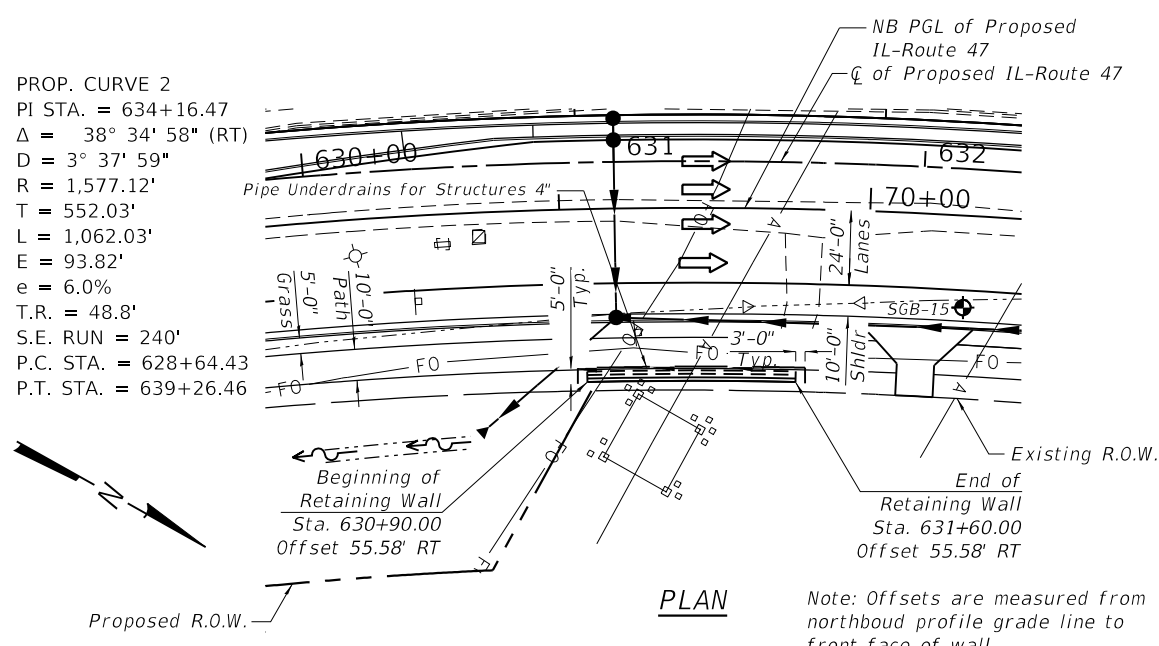


Note:
 Precast Modular Retaining Wall front face elevation view of blocks is schematic representation. Actual block placement to be determined by supplier selected by Contractor.

NOTES

- The Contractor shall not scale any dimensions from contract plans for construction purposes.
- When excavating for the wall's footing, the Contractor shall use a method that will result in minimal disturbance to the underlying soil.
- The Pipe Underdrain for Structures, 4" shall be situated within the granular backfill, which shall be wrapped completely in geotechnical filter fabric. A 1'-6" lap will be used where the fabric must be lapped. Cost of Geotechnical fabric shall be included with Pipe Underdrain for Structures, 4".
- The soil boring information provided on Sheet 3 of 3 is the nearest available soil boring log to the structure location. This soil boring log represents point information and in no way implies that subsurface conditions are the same at the wall location. The contractor shall prepare the subgrade for foundation of the wall as required in the field to obtain a minimum bearing capacity of 3,000 psf.

PROP. CURVE 2
 PI STA. = 634+16.47
 $\Delta = 38^\circ 34' 58''$ (RT)
 D = 3° 37' 59"
 R = 1,577.12'
 T = 552.03'
 L = 1,062.03'
 E = 93.82'
 e = 6.0%
 T.R. = 48.8'
 S.E. RUN = 240'
 P.C. STA. = 628+64.43
 P.T. STA. = 639+26.46



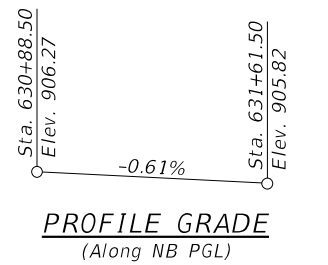
DESIGN SPECIFICATIONS
 2020 AASHTO LRFD Bridge Design Specifications Customary U.S. Units, 9th Edition

DESIGN STRESSES

PRECAST UNITS
 $f'_c = 4,500$ psi

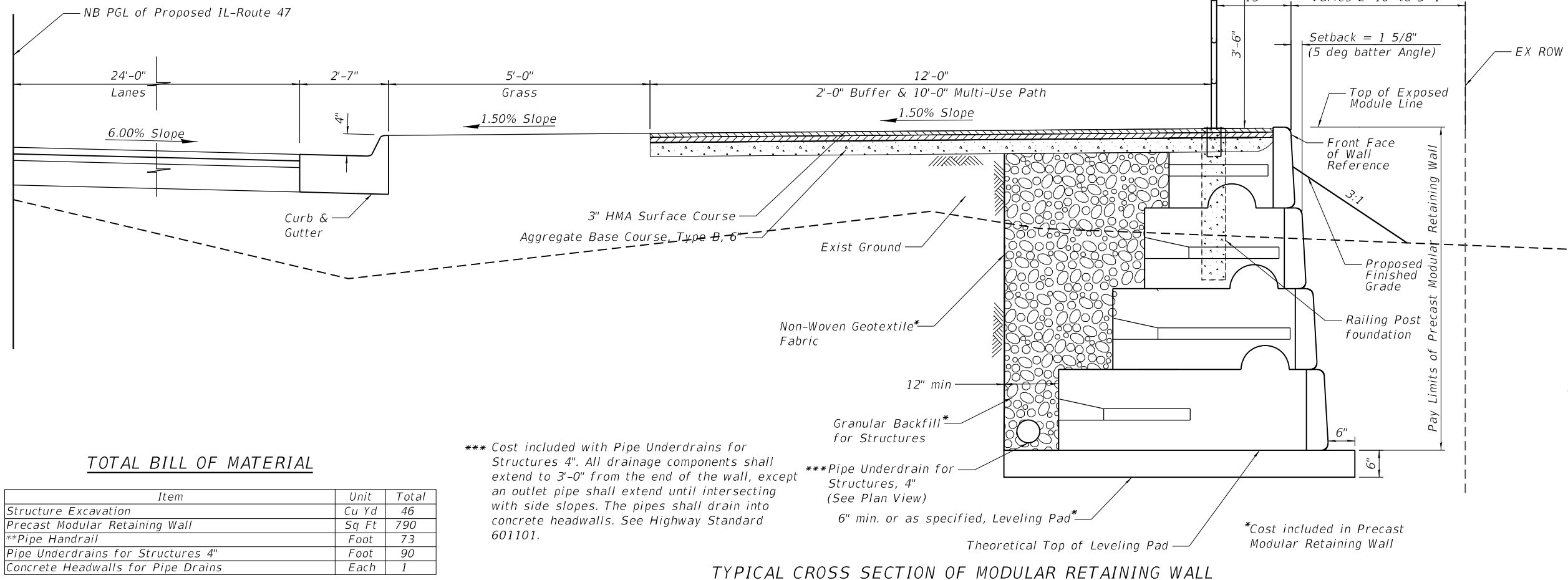
LEGEND

- A Aerial Lines
- E Underground Electric
- FO Fiber Optic Line
- T Telephone Line
- Fence
- Temporary Easement
- Permanent Easement
- Soil Boring



INDEX OF SHEETS

- General Plan and Elevation
- Pipe Handrail Details
- Boring Log



TOTAL BILL OF MATERIAL

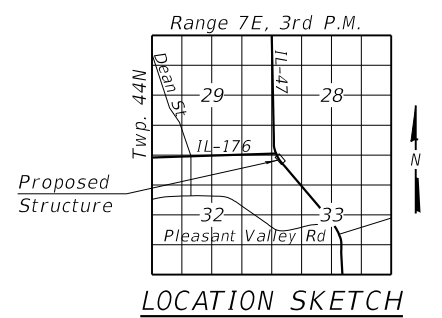
Item	Unit	Total
Structure Excavation	Cu Yd	46
Precast Modular Retaining Wall	Sq Ft	790
**Pipe Handrail	Foot	73
Pipe Underdrains for Structures 4"	Foot	90
Concrete Headwalls for Pipe Drains	Each	1

*** Cost included with Pipe Underdrains for Structures 4". All drainage components shall extend to 3'-0" from the end of the wall, except an outlet pipe shall extend until intersecting with side slopes. The pipes shall drain into concrete headwalls. See Highway Standard 601101.

***Pipe Underdrain for Structures, 4" (See Plan View)

*Cost included in Precast Modular Retaining Wall

TYPICAL CROSS SECTION OF MODULAR RETAINING WALL



GENERAL PLAN & ELEVATION
IL ROUTE 47
F.A.P. 326 SECTION 105-N-2(15)
MCHENRY COUNTY
STATION 630+90.00 TO
STATION 631+60.00

MODEL: Default
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SA STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JULIET, ILLINOIS 60431
 (815) 744-4200
 IDFPR NO. 184-001273

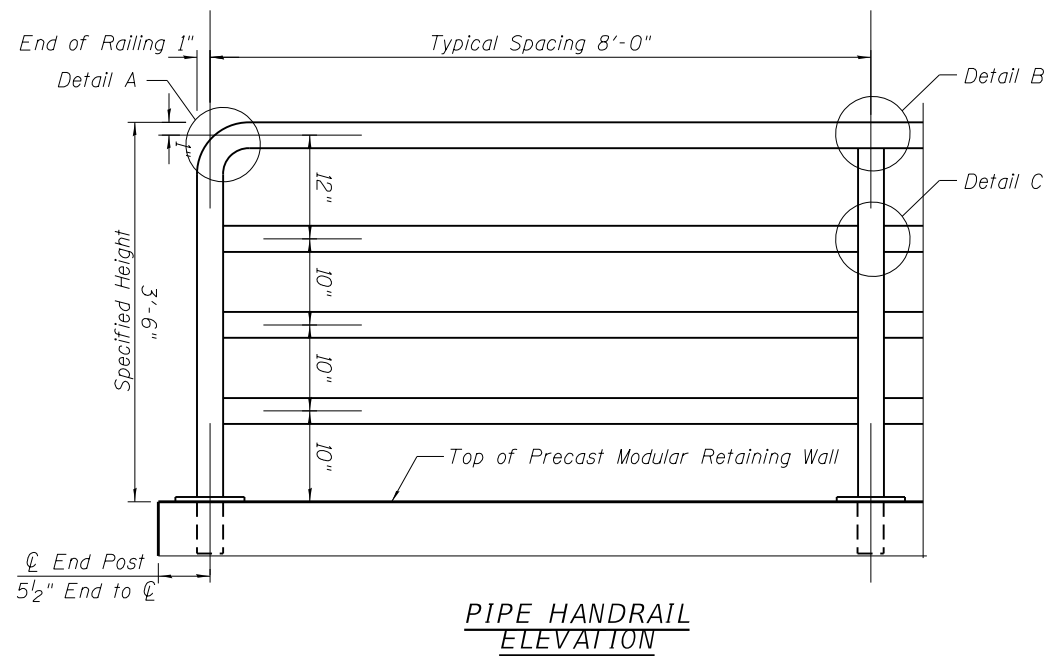
USER NAME	DESIGNED	CHECKED	DATE
StevenB	SRB	KRB	12/18/2023
	SRB	AJS	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

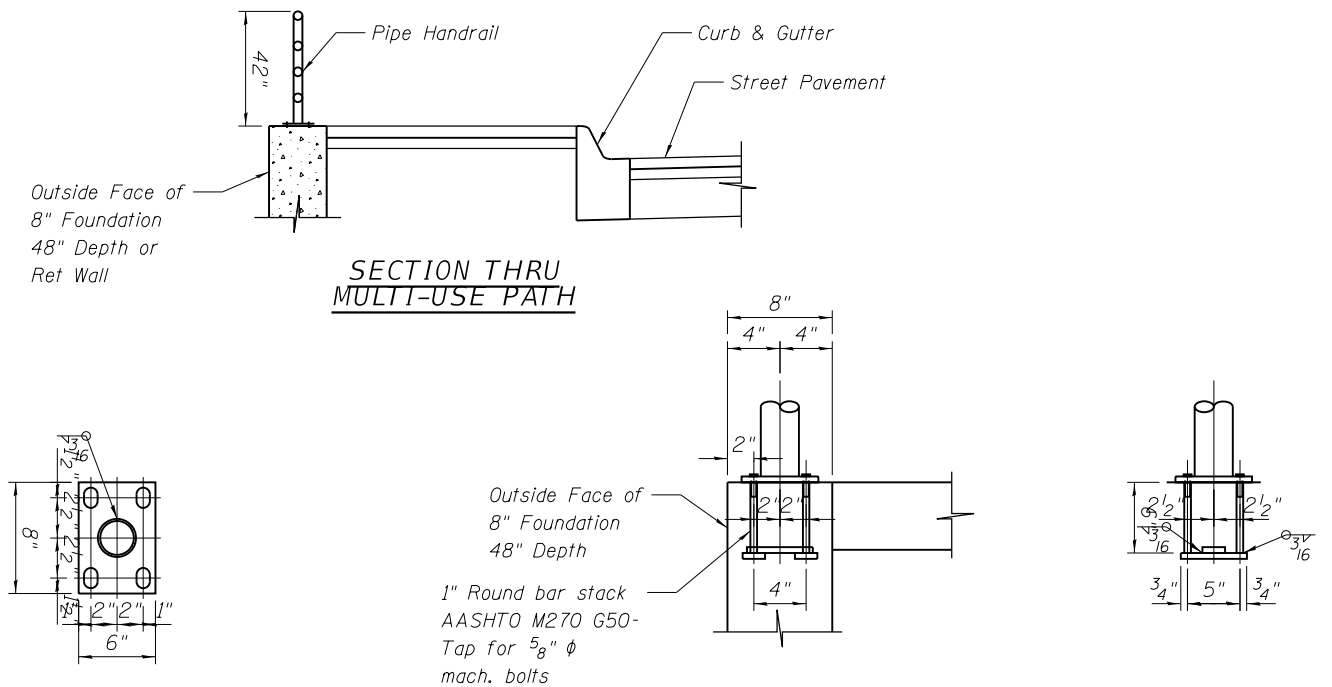
GENERAL PLAN AND ELEVATION
MODULAR BLOCK RETAINING WALL
 SHEET 1 OF 3 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	611

CONTRACT NO. 62B43
 ILLINOIS FED. AID PROJECT



PIPE HANDRAIL ELEVATION

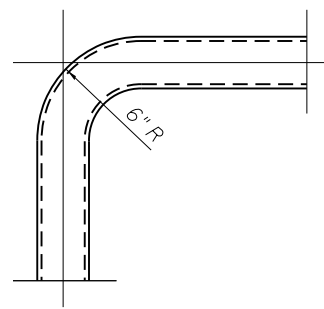


SECTION THRU MULTI-USE PATH

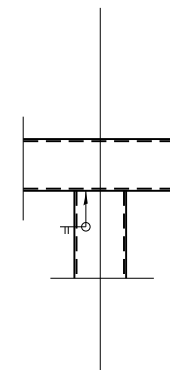
BASE PLATE

ANCHOR BOLT DETAILS

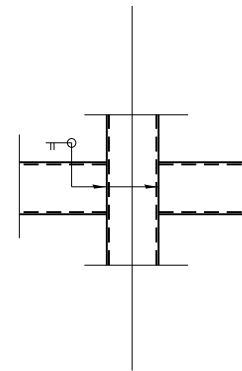
In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" ϕ anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.



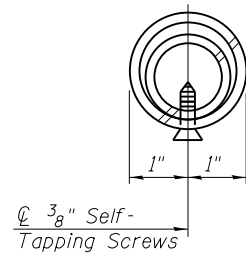
DETAIL A



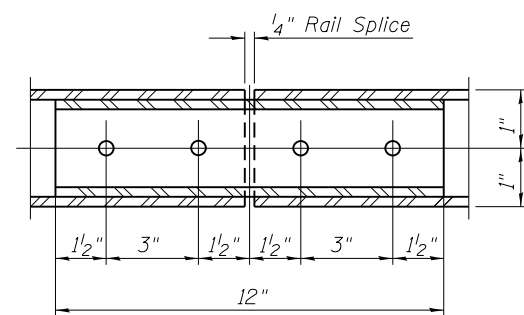
DETAIL B



DETAIL C



ϕ 3/8" Self-Tapping Screws



HANDRAIL SPLICE

NOTES:

- Railing shall be according to Section 509 of the Standard Specifications, except as noted, and will be paid for at the contract unit price per foot for PIPE HANDRAIL.
- Hollow structural steel tubing shall conform to the requirements of ASTM designation A 500, Grade B, structural steel tubing.
- All other steel shapes and plates shall conform to the requirements of AASHTO M 270 Grade 36.
- All posts, railing, splices, anchor devices, and bent plates shall be galvanized after shop fabrication according to AASHTO M 111 and ASTM A 385. All bolts, nuts, washers, and anchor rods shall be galvanized according to AASHTO M 232 except stainless steel bolts as noted.
- Vent holes for galvanized shall be placed in posts and rails at locations that will not allow the accumulation of moisture in the members.
- All posts, rails, base plates and all components shall be cleaned and powder coated (electrostatically applied), in accordance with Article 1006.29(b)(5) of the Standard Specifications except as noted in the Special Provisions.
- Post foundations shall be 8" diameter and 48" deep concrete set in a smooth round form. Locations shall be determined in accordance with Precast Modular Retaining Wall manufacturer's requirements, or in the field by the Contractor and approved by the Engineer.

MODEL: Default
FILE NAME: SAJ0116300-63991634610691MicroCAD_Sheets\162B43-RWALL-102-DETAILS.dgn

SA STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

USER NAME = StevenB	DESIGNED - SRB	REvised -
PLOT SCALE =	CHECKED - KRB	REvised -
PLOT DATE = 12/18/2023	DRAWN - SRB	REvised -
	CHECKED - AJS	REvised -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PIPE HANDRAIL DETAILS MODULAR BLOCK RETAINING WALL

SHEET 2 OF 3 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	McHENRY	803	612
CONTRACT NO. 62B43				
ILLINOIS FED. AID PROJECT				



wangeng@wangeng.com
 1145 N Main Street
 Lombard, IL 60148
 Telephone: 630 953-9928
 Fax: 630 953-9938

BORING LOG SGB-15

WEI Job No.: 195-13-01

Client **Strand Associates, Inc.**
 Project **IL 47 at IL 176 and Pleasant Valley Road**
 Location **McHenry County, Illinois**

Datum: NAVD 88
 Elevation: 900.20 ft
 North: 2035448.88 ft
 East: 957457.20 ft
 Station: 632+01.74
 Offset: 42.71 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
899.9	4-inch thick, dark brown SILTY CLAY LOAM --TOPSOIL-- Very stiff to hard, brown to gray SILTY CLAY LOAM, trace gravel; damp --RDR 2--	3													
		4													
		5	1			3.69	16								
		10													
			5												
			8	2		5.58	14								
			12												
			16												
			8												
			11	3		3.69	16								
			15												
		16													
		10													
		11	4		3.77	15									
		12													
		17													
		5													
		7	5		3.12	16									
		10													
		11													
890.2	Boring terminated at 10.00 ft														

WANGENGINC 1951301.GPJ WANGENG.GDT 9/20/18

GENERAL NOTES						WATER LEVEL DATA				
Begin Drilling	10-26-2017	Complete Drilling	10-26-2017	While Drilling	▽	DRY				
Drilling Contractor	Wang Testing Services	Drill Rig	D50 ATV [88%]	At Completion of Drilling	▽	DRY				
Driller	R&K	Logger	T. Rothschild	Checked by	C. Marin	Time After Drilling	NA			
Drilling Method	.2.25 IDA HSA; 140 lb. autohammer; Boring backfilled upon completion					Depth to Water	▽	NA		
						The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.				

MODEL: Default
FILE NAME: SA\JUL18\300--6399\6346\069\Micro\CAD_Sheets\162B43-RWALL-103-BLOG.dgn
12/18/2023 3:26:53 PM



1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200 IDFPR NO. 184-001273	USER NAME = StevenB	DESIGNED - SRB	REVISD -
	PLOT SCALE =	CHECKED - KRB	REVISD -
	PLOT DATE = 12/18/2023	DRAWN - SRB	REVISD -
		CHECKED - AJS	REVISD -

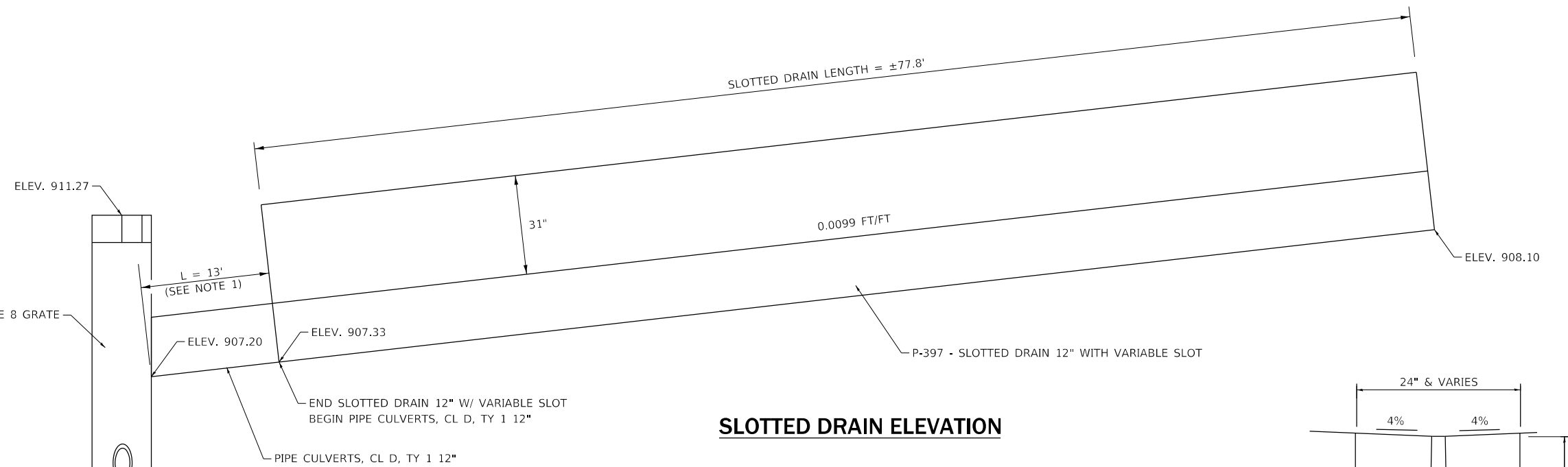
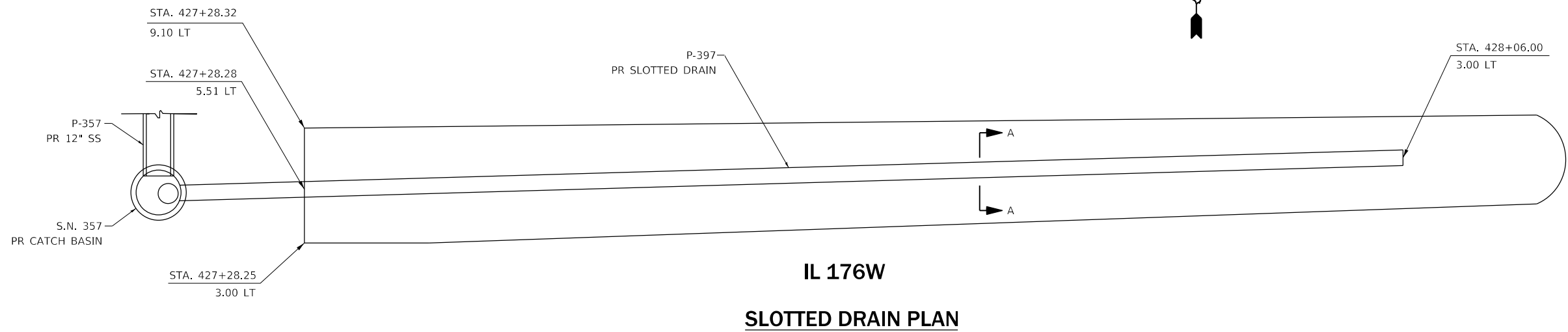
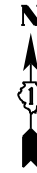
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOG
MODULAR BLOCK RETAINING WALL

SHEET 3 OF 3 SHEETS

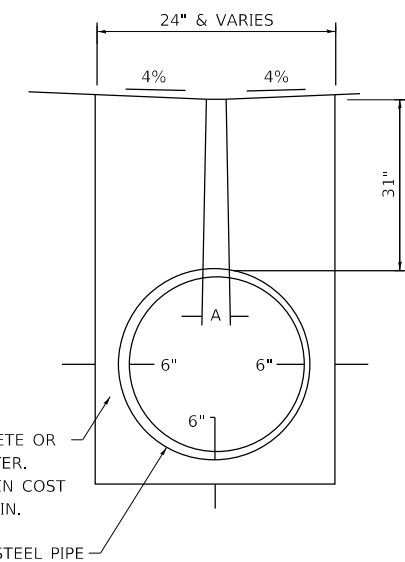
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	McHENRY	803	613
CONTRACT NO. 62B43			ILLINOIS FED. AID PROJECT	

SLOTTED DRAIN DETAIL



1 EA, CATCH BASINS, TYPE A, 4' -DIAMETER, TYPE 8 GRATE
IL 176W @ STA. 427+13.25 6.0' LT1
RIM ELEV. 911.27
S.N. 357

NOTE 1:
PIPE CULVERTS, CL D, TY 1 12" INCLUDED IN COST
OF SLOTTED DRAIN 12" WITH VARIABLE SLOT



ALL DIMENSIONS ARE IN INCHES UNLESS
OTHERWISE NOTED.

SEE DIST. STD. 15.1 FOR ADDITIONAL DETAILS



USER NAME = LIN04-PC	DESIGNED - LM	REVISED -
	DRAWN - LM	REVISED -
PLOT SCALE = 2,000' / in.	CHECKED - SGL	REVISED -
PLOT DATE = 12/15/2023	DATE - 12-2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SLOTTED DRAIN DETAIL
IL ROUTE 47

SCALE: N.T.S. SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE. 326	SECTION 105-N-2(15)	COUNTY MCHENRY	TOTAL SHEETS 803	SHEET NO. 614
CONTRACT NO. 62B43			ILLINOIS FED. AID PROJECT	

GENERAL

CLASS SI CONCRETE SHALL BE USED THROUGHOUT.

THIS SPECIFICATION COVERS SLOTTED DRAIN USED FOR THE REMOVAL OF WATER AS SHOWN ON THE PLANS.

THE SLOTTED DRAIN SHALL BE CORRUGATED PIPE CULVERT WITH INTEGRAL SLOTTED DRAINS.

BEFORE PLACING THE CONCRETE ADJACENT TO THE PIPE, THE SLOT SHALL BE COVERED BY EITHER THIN, FLAT METAL SHEETING OR BY A BOARD NOTCHED TO FIT OVER THE GRATE BARS. THIS COVERING MUST FIT CLOSELY IN THE SLOT TO PREVENT ENTRY OF CONCRETE INTO THE PIPE. PAVING OVER THE SLOTTED DRAIN WILL THEN BE ONE CONTINUOUS OPERATION OVER THE PROTECTED DRAIN. THE PROTECTION FOR THE DRAIN SLOT SHALL THEN BE REMOVED. THE PIPE SHALL DRAIN INTO THE SIDE OF THE INLET. THE OPENING WHERE THE SLOT IS REMOVED SHALL BE COVERED TO PREVENT CONCRETE FROM ENTERING THE PIPE.

THE CORRUGATED STEEL PIPE USED IN THE SLOTTED DRAIN SHALL MEET THE REQUIREMENTS OF AASHTO M36/ ASTM A7860.

THE CMP SHALL BE ALUMINIZED STEEL TYPE 2.

THE DIAMETER AND GAGE SHALL BE AS SHOWN ON THE PLAN.

STEEL GRATING SHALL MEET THE GALVANIZING REQUIREMENTS OF AASHTO M111.

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR SLOTTED DRAIN 15" WITH 1 3/4" SLOT, AND SHALL INCLUDE ELBOWS, DRILLING HOLES IN GRATING, SUPPLYING AND PLACING A1 BARS, AND CONCRETE AND GRATING FOR DEPTH SPECIFIED ON PLANS.

USE APPROVED END CAP TO PREVENT CONCRETE ENTRY INTO THE PIPE DURING GUTTER CONSTRUCTION ON THE UPSTREAM END OF THE PIPE.

CONNECTIONS

THE CORRUGATED STEEL PIPE SHALL HAVE A MINIMUM OF TWO REROLLED ANNULAR ENDS.

THE SLOTTED DRAIN BANDS SHALL BE MODIFIED HUGGER BANDS TO SECURE THE PIPE AND PREVENT INFILTRATION OF THE BACKFILL.

WHEN THE SLOTTED DRAIN IS Banded TOGETHER, THE ADJACENT GRATES SHALL HAVE A MAXIMUM 3" GAP.

GRATES

THE GRATES SHALL BE MANUFACTURED FROM ASTM A670, GRADE 36 STEEL. THE SPACERS AND BEARING BARS (SIDES) SHALL BE 3/16" MATERIAL ±0.008".

THE SPACERS SHALL BE ON 6" CENTERS AND WELDED ON BOTH SIDES TO EACH BEARING BAR (SIDES) WITH FOUR (4) 1/4" LONG 3/16" FILLET WELDS ON EACH SIDE OF THE BEARING BAR.

THE PLATE EXTENDER SHALL BE 7 GAGE STEEL MEETING ASTM A761.

THE ENGINEER MAY CALL FOR TENSILE STRENGTH TESTS ON THE GRATE IF THE GRATE IS NOT IN COMPLIANCE WITH THE ABOVE SPACER SPECIFICATIONS. IF TENSILE STRENGTH TESTS ARE CALLED FOR, MINIMUM RESULTS FOR AN IN-PLACE SPACER PULLED PERPENDICULAR TO THE BEARING BAR SHALL BE:
T = 12,000 POUNDS FOR 2 1/2" GRATE
T = 15,000 POUNDS FOR 6" GRATE

GALVANIZING

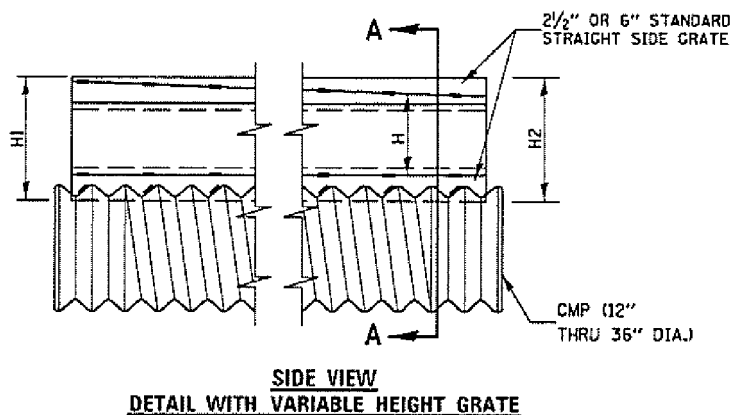
THE GRATE AND PLATE EXTENDERS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A123 EXCEPT WITH A 2 OZ. GALVANIZED COATING.

GRATE ATTACHED TO CSP

THE GRATE SHALL BE FILLET WELDED WITH A MINIMUM WELD 1" LONG TO THE CSP ON EACH SIDE OF THE GRATE AT EVERY OTHER CORRUGATION.

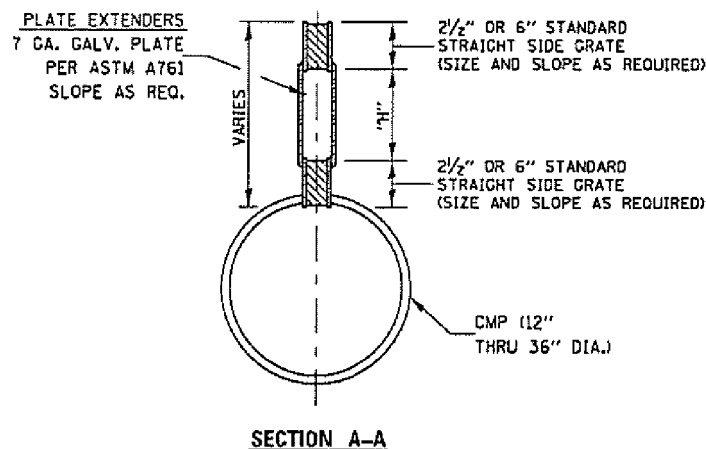
TOLERANCES - FINISHED SLOTTED DRAIN - 20' LENGTH

VERTICAL BOW = ±3/8"
HORIZONTAL BOW = ±5/8"
TWIST = ±1/2"



LOADING CONDITION	MAX. EXTENDER HEIGHT - "H"
H20/H25 • T50 PSI CONCRETE	19"

• 125 PSI TIRE PRESSURE



GAGE OF PIPE	DIAMETER OF PIPE					
	12"	15"	18"	24"	30"	36"
16	X	X	X	X	X	X
14	X	X	X	X	X	X
12	N.A.	N.A.	N.A.	N.A.	X	X

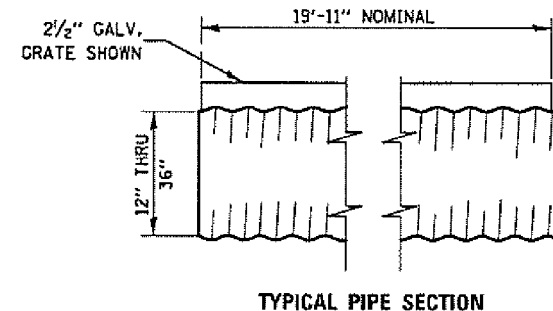
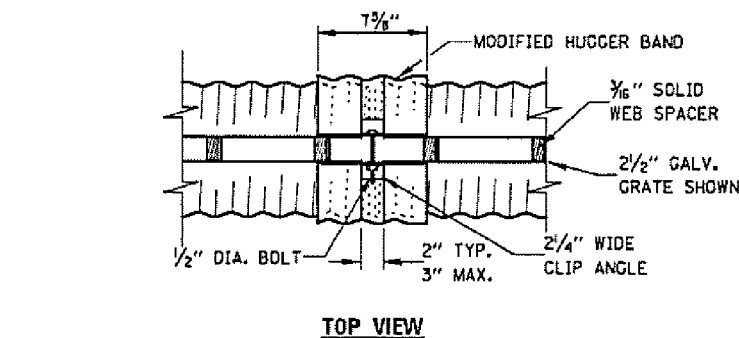
GRATE TYPE	"A"
VERT	2 1/2"
VERT	6"
TRAP	2 1/4"
TRAP	3"

VERT = VERTICAL
TRAP = TRAPEZOIDAL

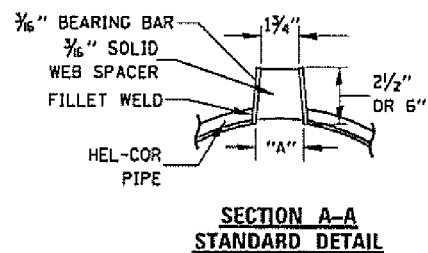
SLOTTED DRAIN NOTES

1. GRATING IS AVAILABLE IN DEPTHS OF 2 1/2" AND 6".
2. VERTICAL GRATING (STRAIGHT SIDES) WITH VERTICAL SPACERS IS ALSO AVAILABLE.
3. FOR 6" VERTICAL & TRAPEZOIDAL REQUIREMENTS, THE SLOTTED DRAIN BAND MAY BE FURNISHED WITH THE 4: TECHCO BAND ANGLE.
4. DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
5. REFERENCE CONTECH BAND MANUAL DWG. NO. 1002697 FOR BAND DETAILS.
6. REFERENCE CONTECH SLOTTED DRAIN DWG. NO. 1002697.
7. DIMENSIONS FOR H1 AND H2 AS REQUIRED.
8. H1 AND H2 MEASURED FROM TOP OF GRATE TO BOTTOM OF GRATE.

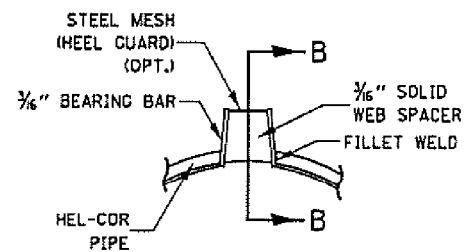
SLOTTED DRAIN PIPE DETAILS



TYPICAL PIPE SECTION

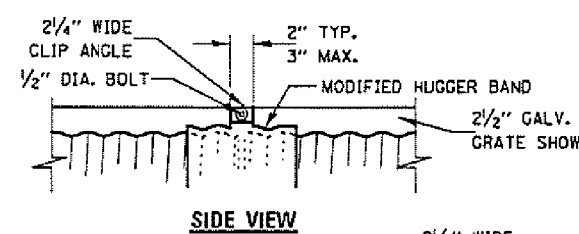


SECTION A-A STANDARD DETAIL

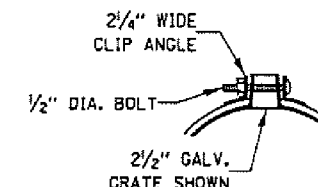


SECTION B-B DETAIL WITH MESH

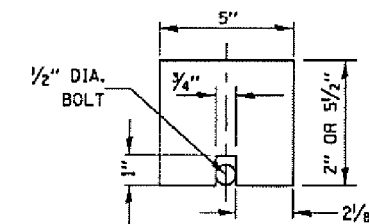
(TRAPEZOIDAL GALVANIZED GRATE SHOWN)



SIDE VIEW

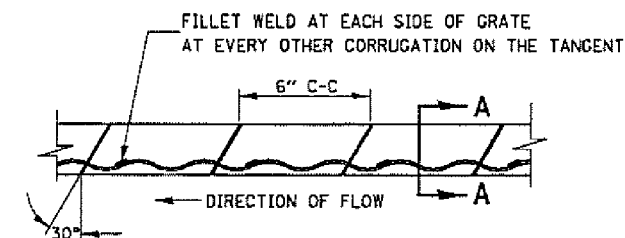


END VIEW

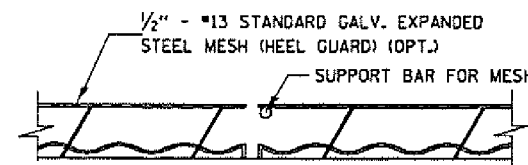


GAP PLATE (OPTIONAL)

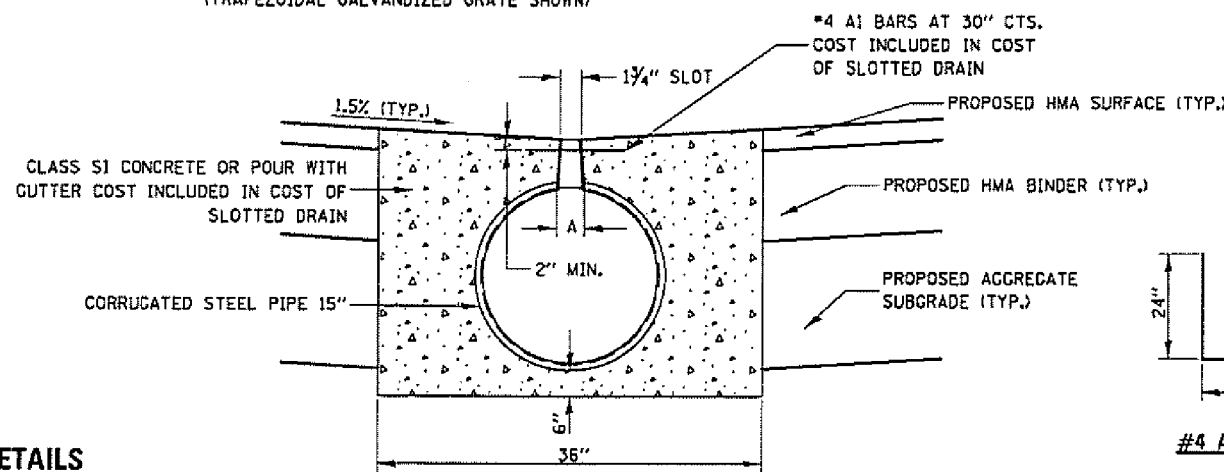
MAY BE PLACED DIRECTLY OVER BAND BOLT TO PROVIDE CONTINUOUS FORM FOR GROUTING



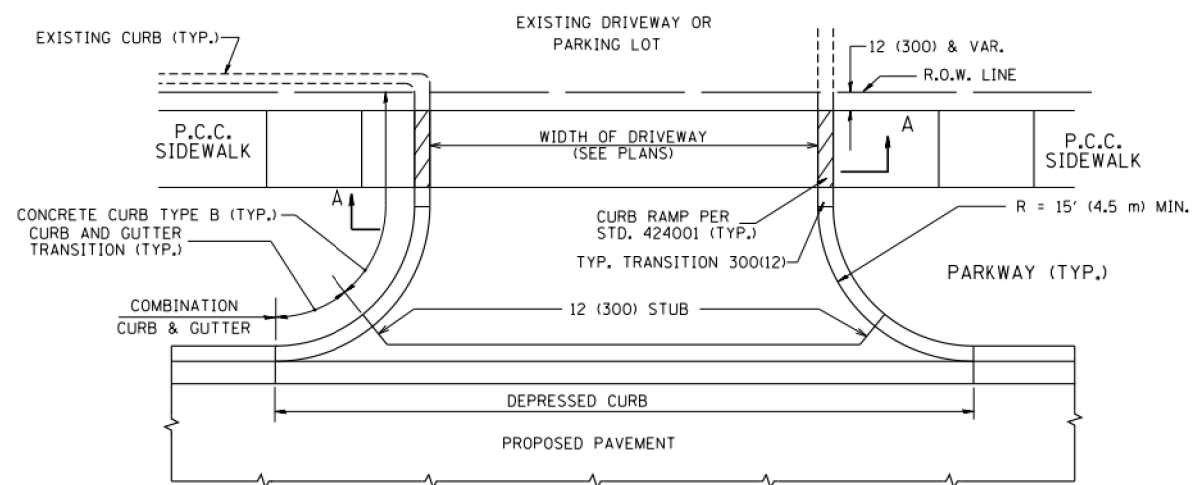
GRATE WELDING DETAIL



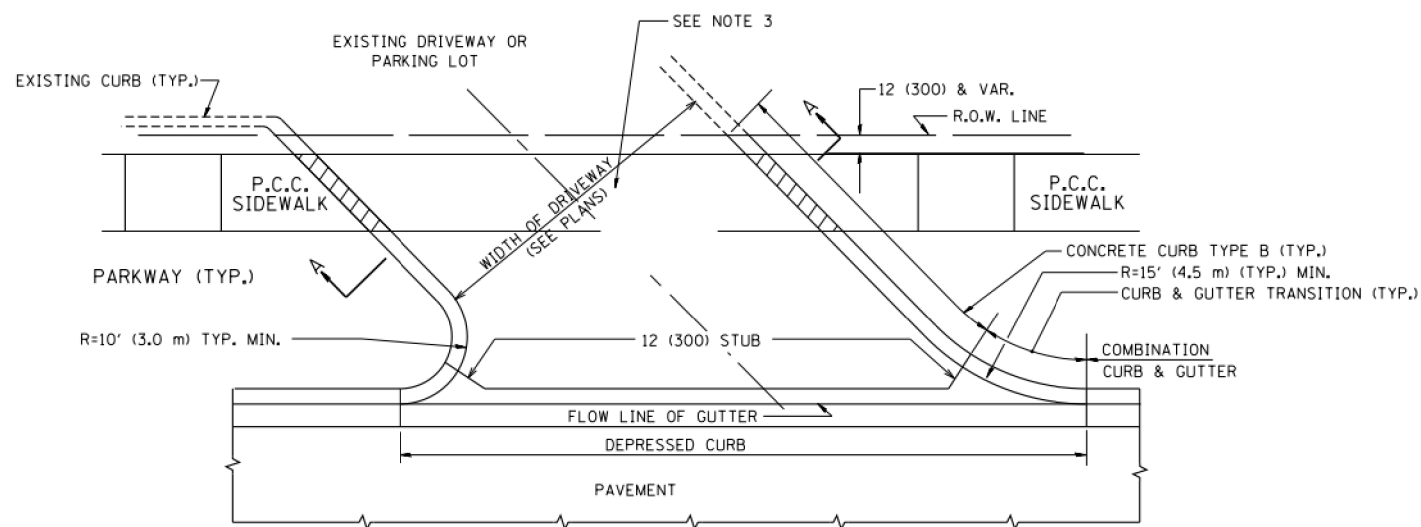
SECTION B-B



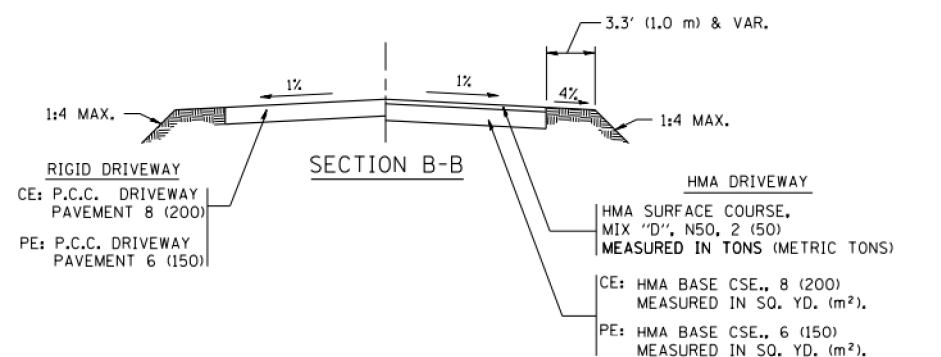
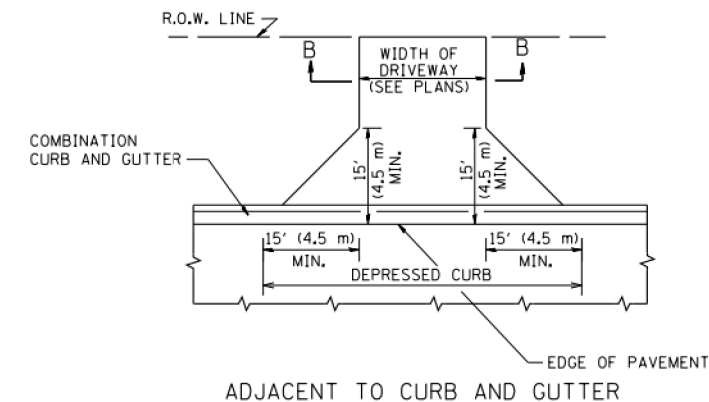
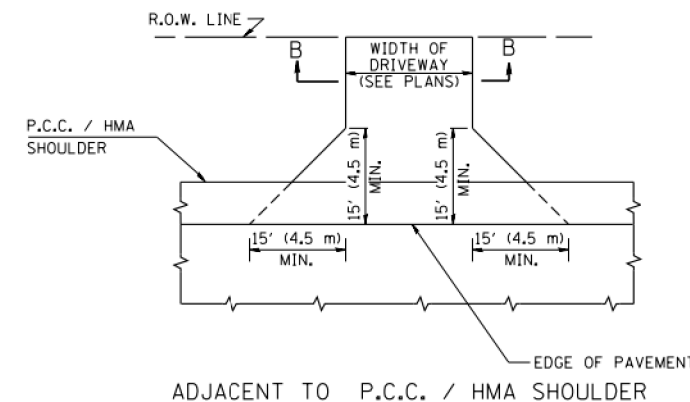
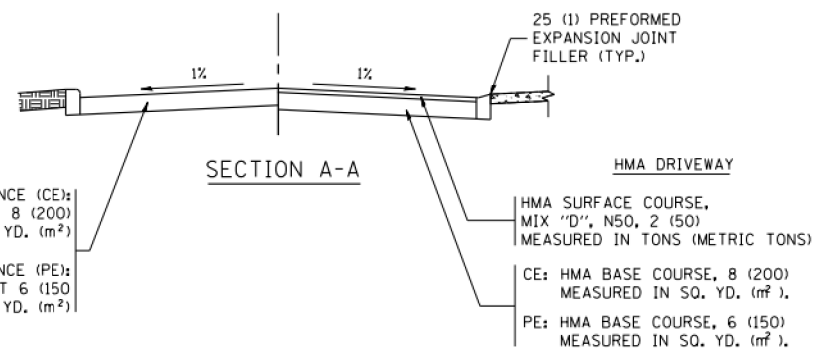
#4 A1 BARS



WITH CONCRETE CURB, TYPE B



WITH CONCRETE CURB, TYPE B



RURAL FIELD ENTRANCE (FE)

HMA SURFACE COURSE, MIX "D", N50, 2 (50) MEASURED IN TONS (METRIC TONS)

AGGREGATE BASE CSE., TYPE B, 8 (200) MEASURED IN SQ. YD. (m²).

GENERAL NOTES:

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS, SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

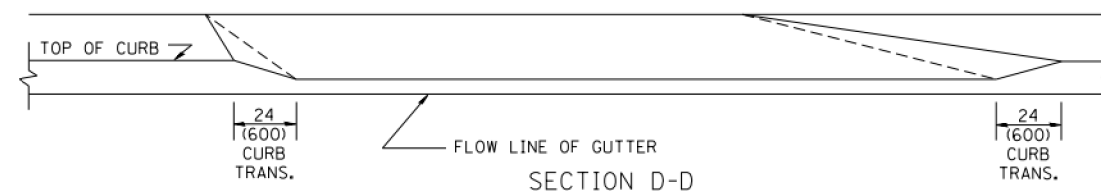
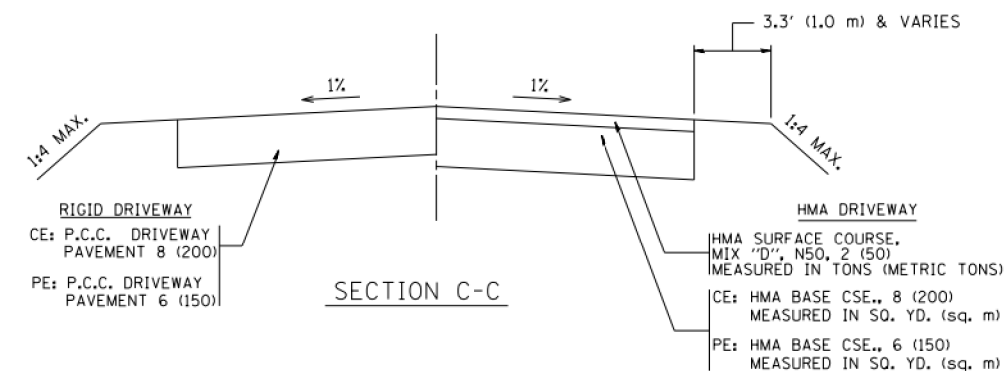
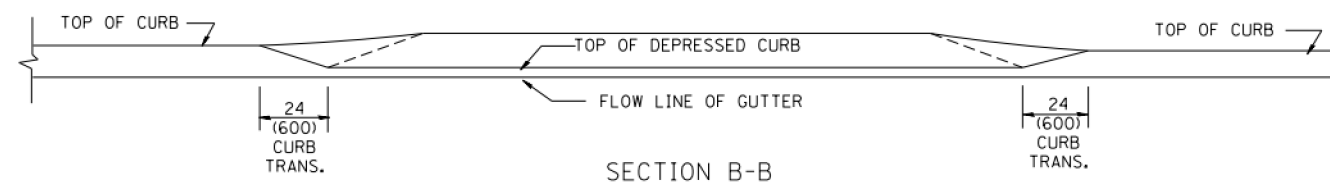
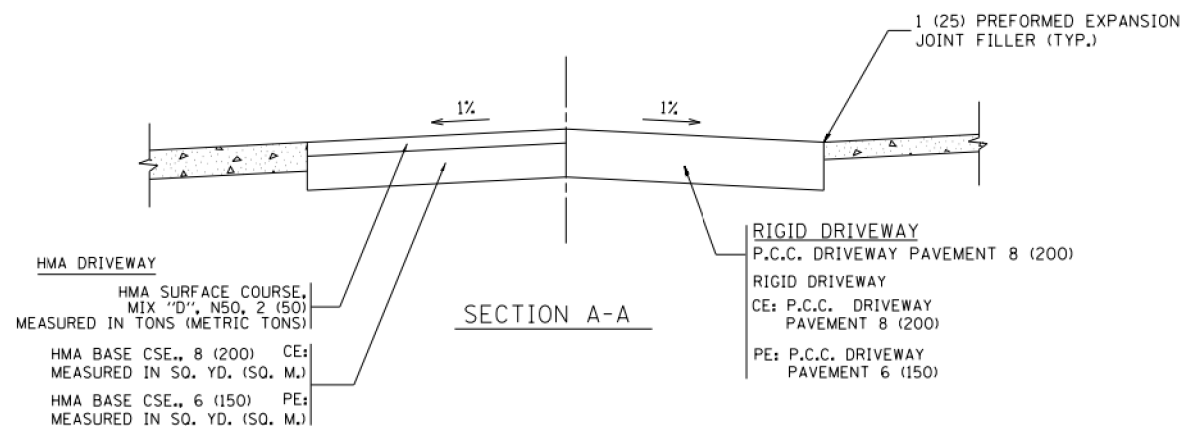
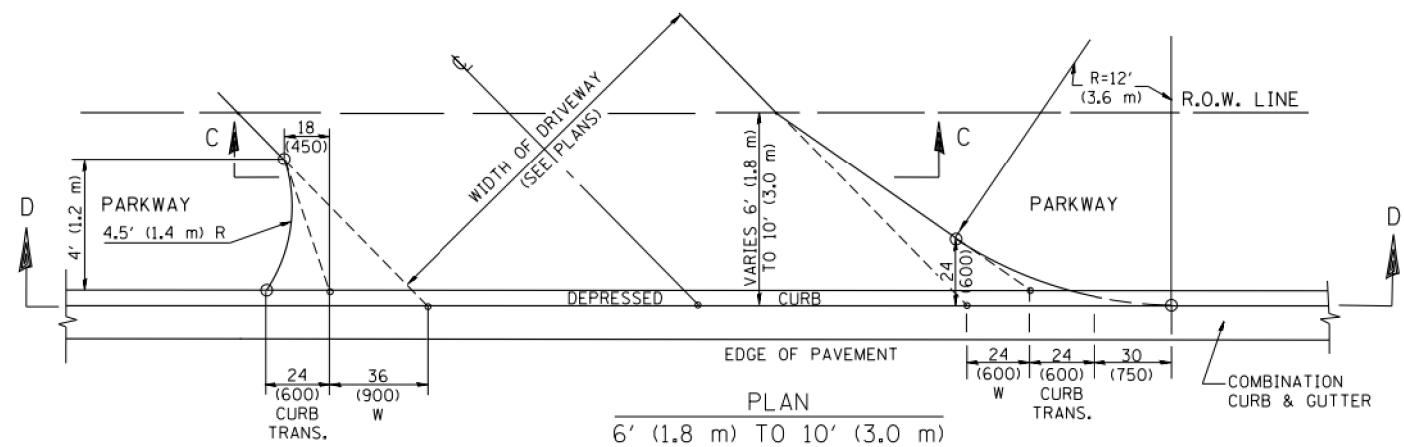
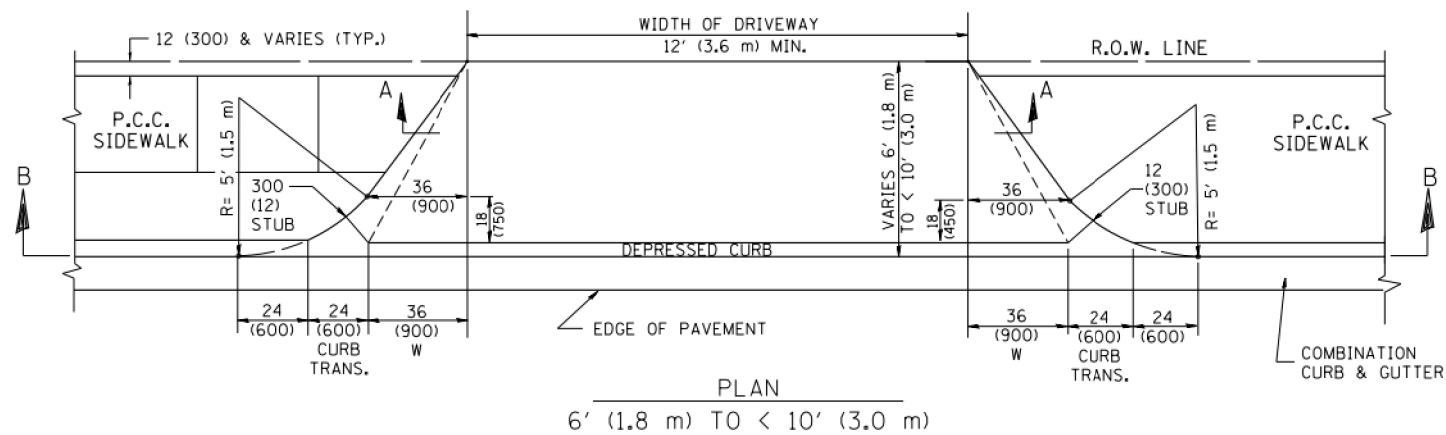
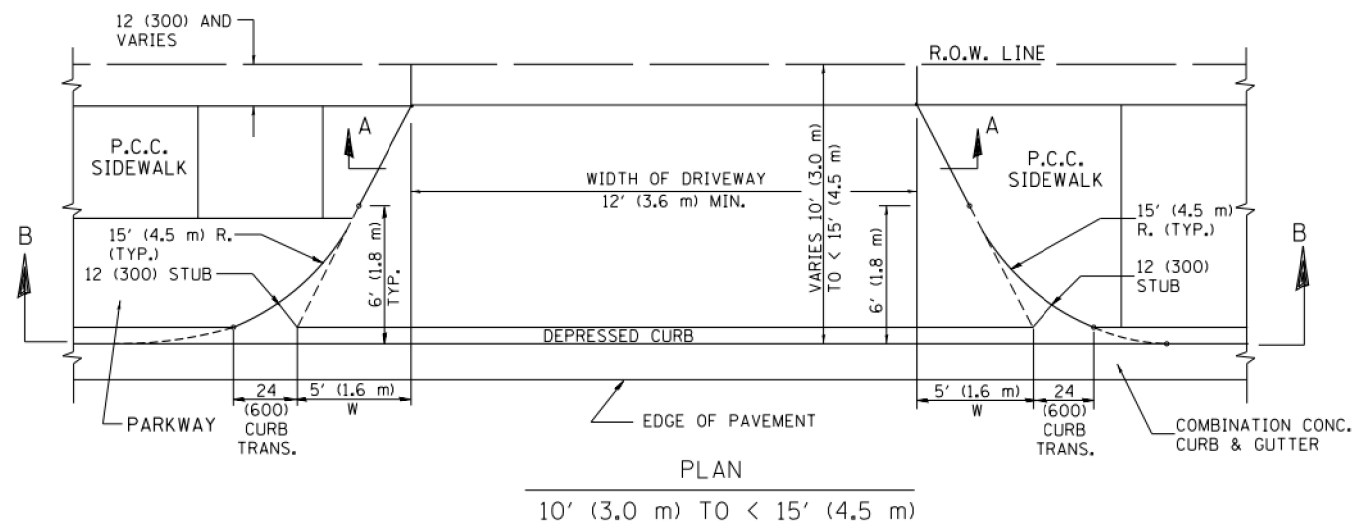
WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

FILE NAME =	USER NAME = lryso	DESIGNED - R. SHAH	REVISED - P. LaFLUER 04-15-03
cs:\pwork\pwork\lryso\d0108315\bd01.dgn		DRAWN -	REVISED - R. BORO 01-01-07
		CHECKED -	REVISED - R. BORO 06-11-08
		DATE - 11-04-95	REVISED - R. BORO 09-06-11

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	616
BD0156-07 (BD-01)		CONTRACT NO. 62B43		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



GENERAL NOTES

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

THE 1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

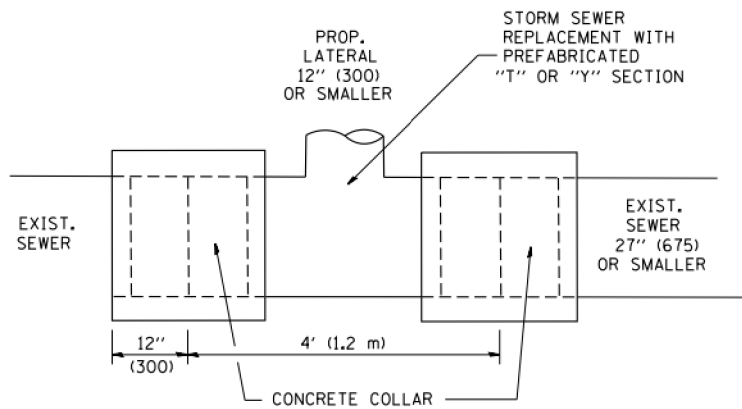
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED.

FILE NAME =	USER NAME = lgyso	DESIGNED - R. SHAH	REVISED - M. GOMEZ 04-06-01
cs:\pwork\pwork\lgyso\d0108315\bd02.dgn		DRAWN -	REVISED - P. LOFLEUR 04-15-03
	PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED - R. BORO 01-01-07
	PLOT DATE = 10/28/2011	DATE - 11-06-95	REVISED - R. BORO 09-06-11

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

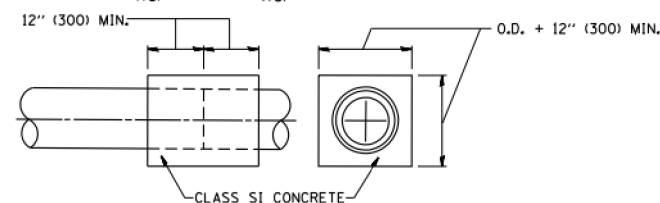
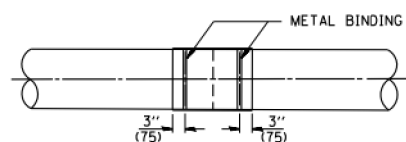
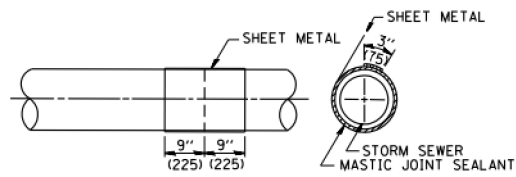
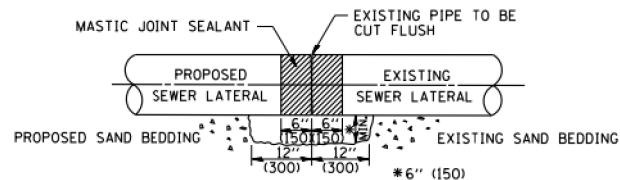
DRIVEWAY DETAILS	
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	617
BD400-02 (BD-02)			CONTRACT NO. 62B43	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER

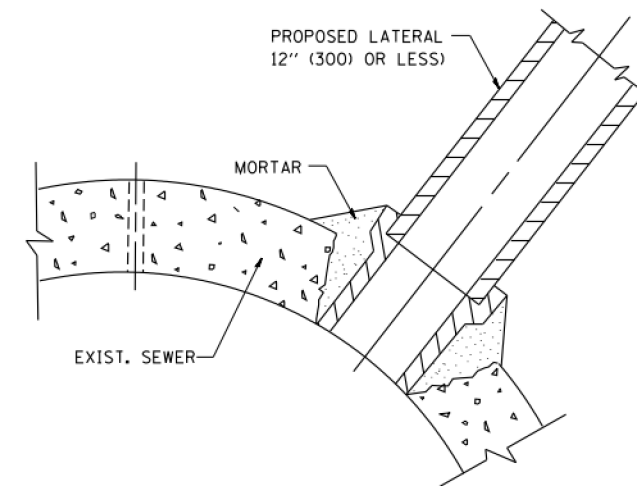


DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12" x 6" (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.



DETAIL "C"

PROPOSED LATERAL CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER

NOTES

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

- I. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- II. CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
 - A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
 - B) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS, THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

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

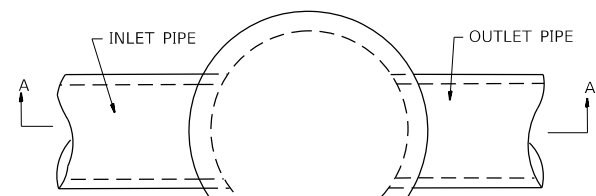
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

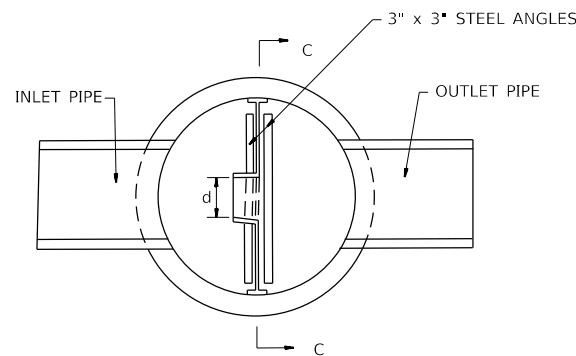
**DETAIL OF STORM SEWER
CONNECTION TO EXISTING SEWER**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

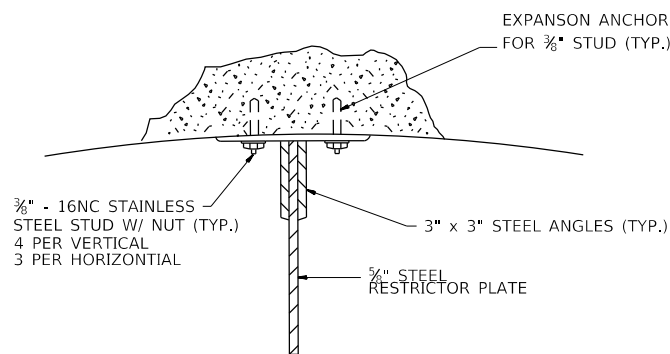
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326	105-N-2(15)	MCHENRY	803	618
BD500-01 (BD-7)		CONTRACT NO. 62B43		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



PLAN

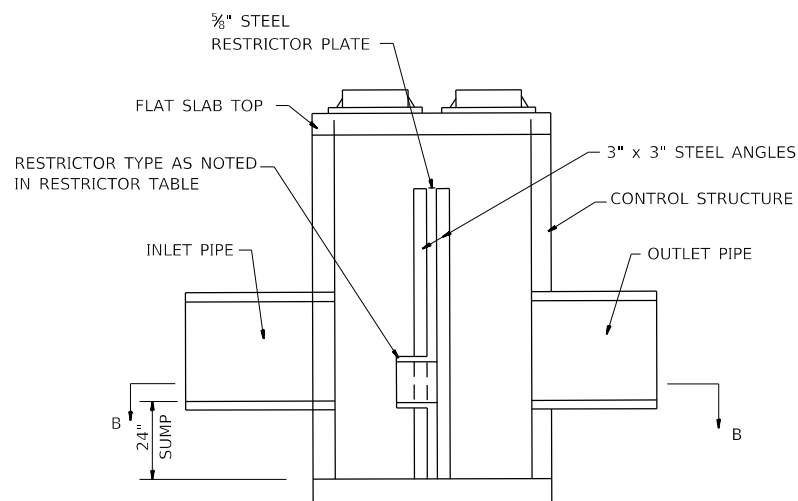


SECTION B-B

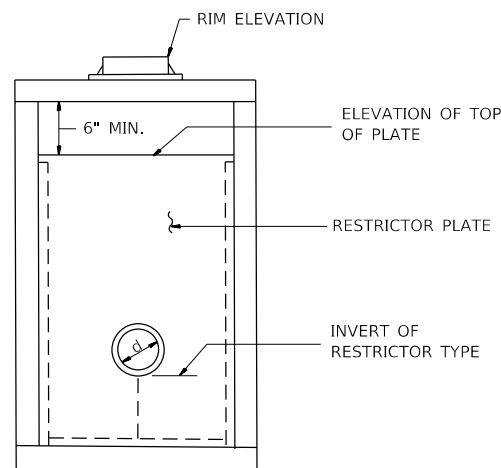


ANGLE FASTENER DETAIL

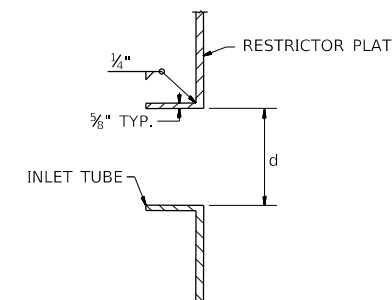
- NOTES:
1. ALL STEEL ANGLES AND PLATES TO BE GALVANIZED AFTER FABRICATION.
 2. ALL RESTRICTOR PLATES, ANGLES AND HARDWARE TO BE INCLUDED IN THE COST OF THE STRUCTURE.



SECTION A-A



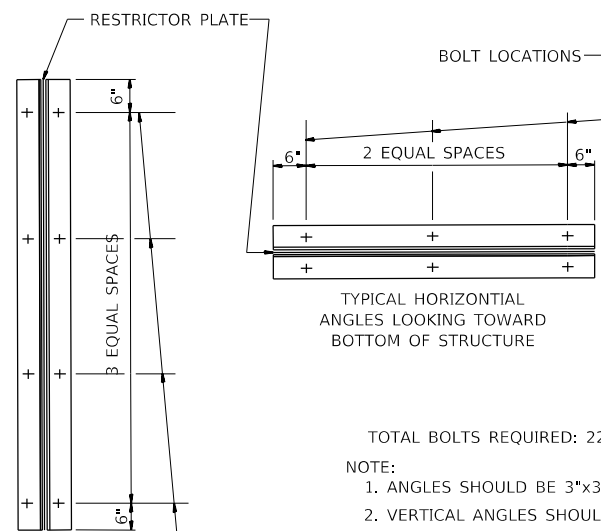
SECTION C-C



INLET TUBE DETAIL

RESTRICTOR STRUCTURE NO.	STATION / OFFSET	STRUCTURE DIAMETER	FRAME AND GRATE	RESTRICTOR TYPE	INSIDE RESTRICTOR TYPE DIAMETER	INVERT OF RESTRICTOR TYPE	ELEVATION OF TOP OF PLATE OVERFLOW
240	STA. 278+51.34 / 51.27' RT	6'	TYPE 1	TYPE 1	4.3"	907.00	911.00
256	STA. 292+33.83 / 63.21' IT	6'	TYPE 1	TYPE 1	4.0"	907.00	909.90
252	STA. 294+50.0 / 60.00' RT	6'	TYPE 1	TYPE 1	4.0"	907.45	910.40

BASIS OF PAYMENT: MANHOLES, WITH RESTRICTOR



STEEL ANGLE BOLTING DETAILS

- TOTAL BOLTS REQUIRED: 22
- NOTE:
1. ANGLES SHOULD BE 3"x3"x $\frac{7}{16}$ "
 2. VERTICAL ANGLES SHOULD EXTEND FROM THE BOTTOM OF THE RESTRICTOR PLATE TO THE TOP.
 3. HORIZONTAL ANGLES SHOULD EXTEND FROM VERTICAL ANGLE TO VERTICAL ANGLE.

RESTRICTOR TYPE					
1	2	3	4	5	6
RE-ENFRANT TUBE	SHARP EDGED	SQUARE EDGED	RE-ENFRANT TUBE	SQUARE EDGED	ROUNDED
LENGTH: $\frac{1}{2}$ TO 1 DIA.		STREAM CLEARS SIDES	LENGTH: 2- $\frac{1}{2}$ DIA.	LENGTH: 2- $\frac{1}{2}$ DIA.	
C=.52	C=.61	C=.61	C=.73	C=.82	C=.98

VALUES OF "C" FOR CIRCULAR AND SQUARE ORIFICES

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

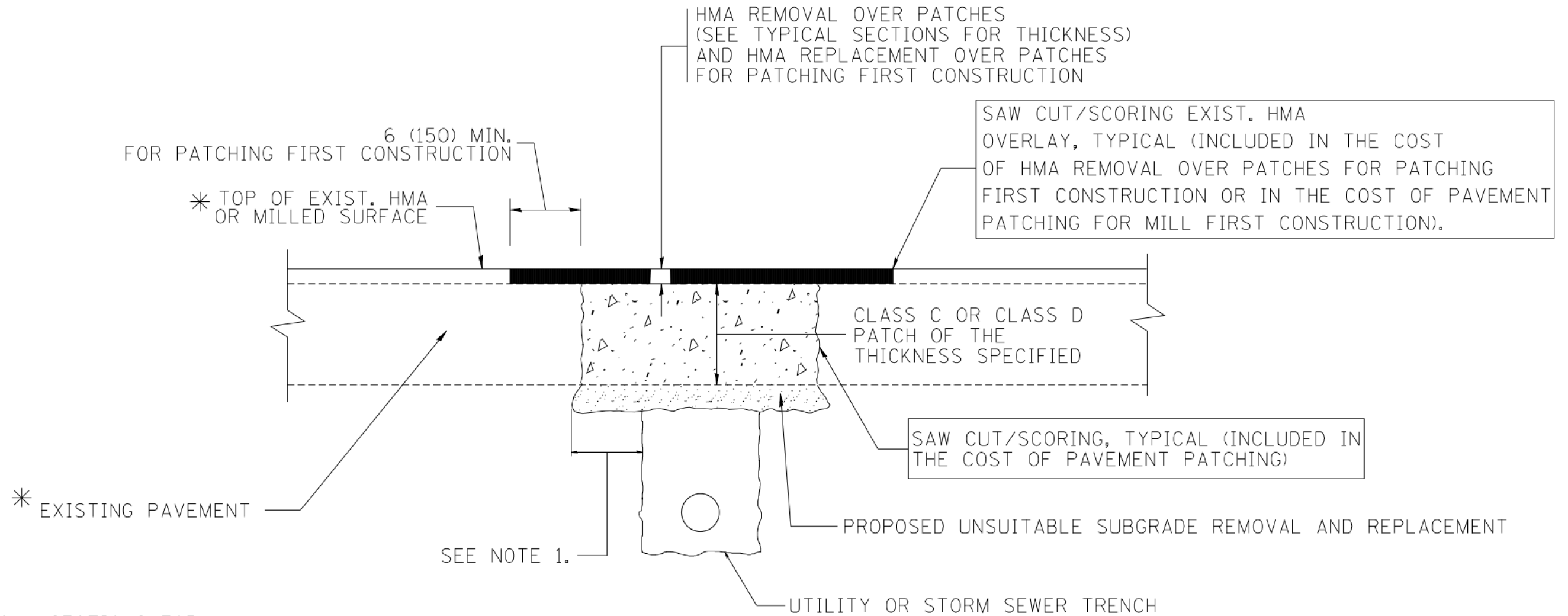
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

MANHOLES, WITH RESTRICTOR

IL ROUTE 47 - US ROUTE 14 TO REED ROAD

MCHENRY COUNTY



* SEE TYPICAL SECTIONS FOR
THICKNESS AND MATERIALS

NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

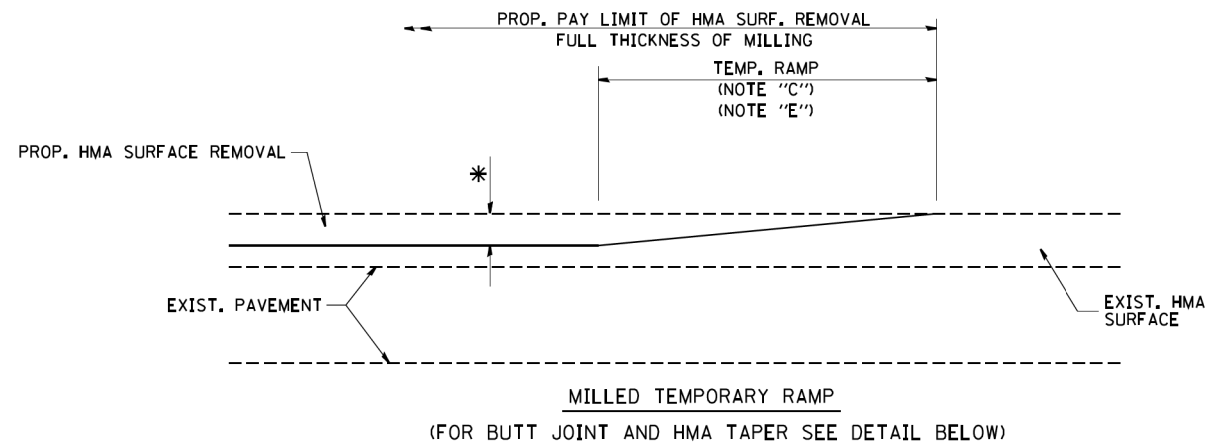
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

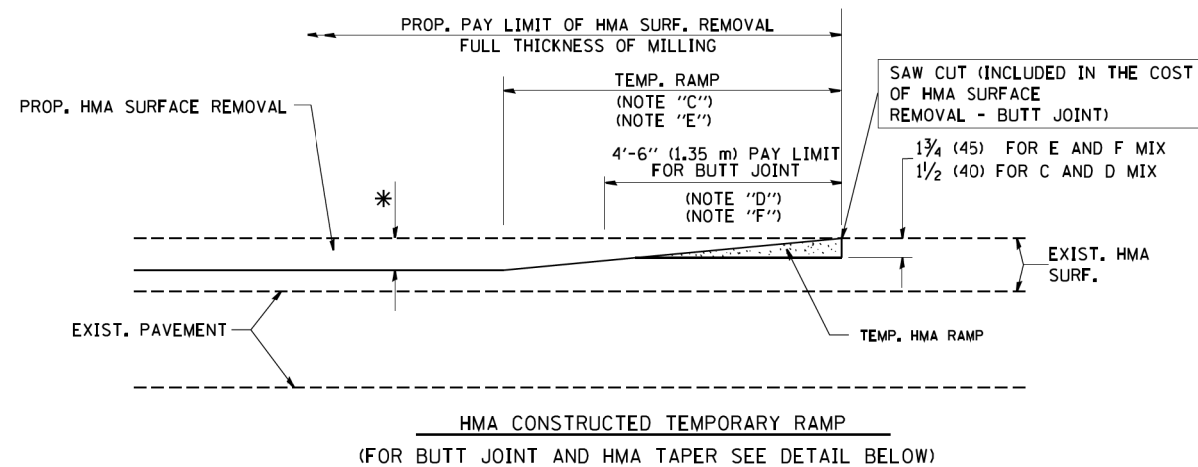
1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

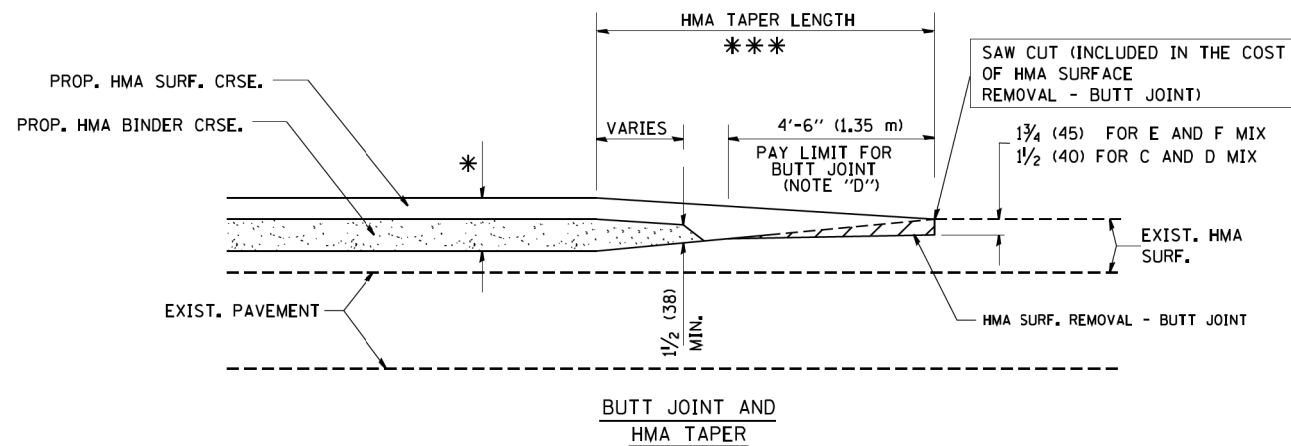
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		DRAWN -	REVISED - R. BORO 01-01-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	326	105-N-2(15)	MCHENRY	803	620
		PLOT SCALE = 50.000' / IN.	CHECKED -		REVISED - R. BORO 09-04-07				BD400-04 (BD-22)		CONTRACT NO. 62B43		
		PLOT DATE = 10/27/2008	DATE - 10-25-94		REVISED - K. ENG 10-27-08				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



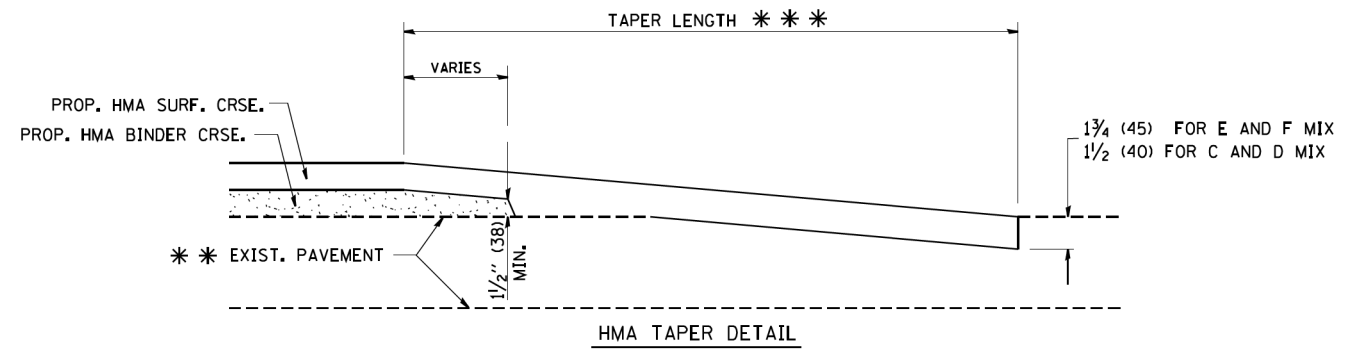
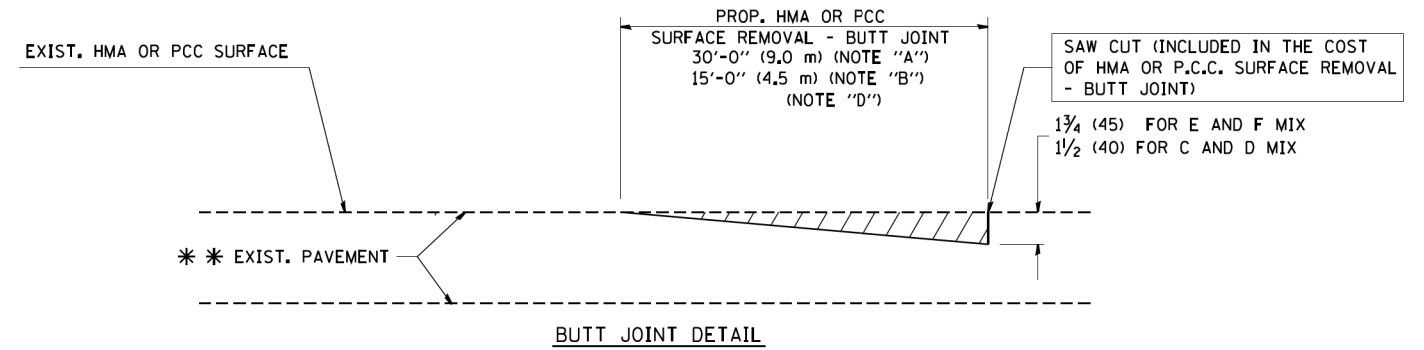
OPTION 1



**OPTION 2
TYPICAL TEMPORARY RAMP**



**TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING**



**TYPICAL BUTT JOINT AND HMA TAPER
FOR RESURFACING ONLY**

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
- B: MINOR SIDE ROADS.
- C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
- F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT

G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".

* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

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

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PLOT DATE = 1/4/2008

DESIGNED - M. DE YONG
DRAWN -
CHECKED -
DATE - 06-13-90

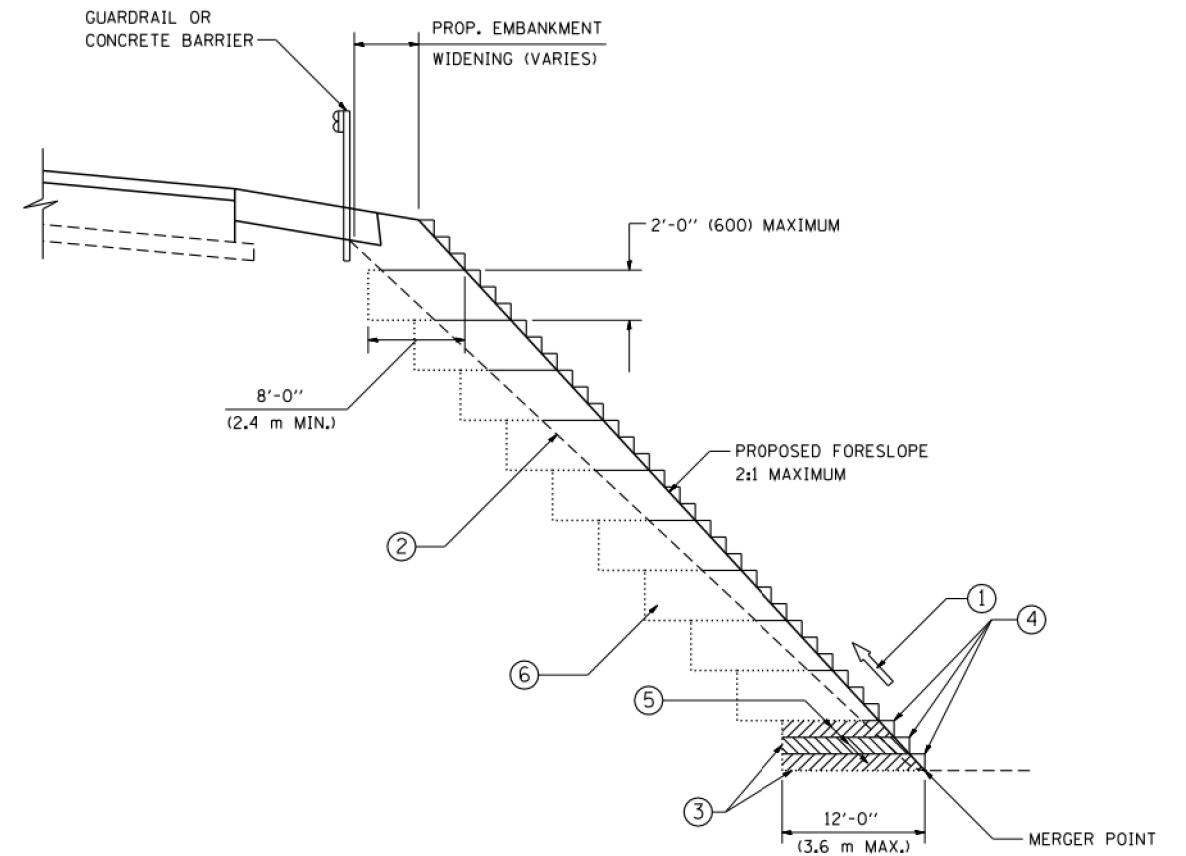
REVISED - R. SHAH 10-25-94
REVISED - A. ABBAS 03-21-97
REVISED - M. GOMEZ 04-06-01
REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND
HMA TAPER DETAILS**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	621
BD400-05 BD32			CONTRACT NO. 62B43	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



TYPICAL BENCHING DETAIL
FOR EMBANKMENT

NOTES:

- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
- ⑥ EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ⑦ SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

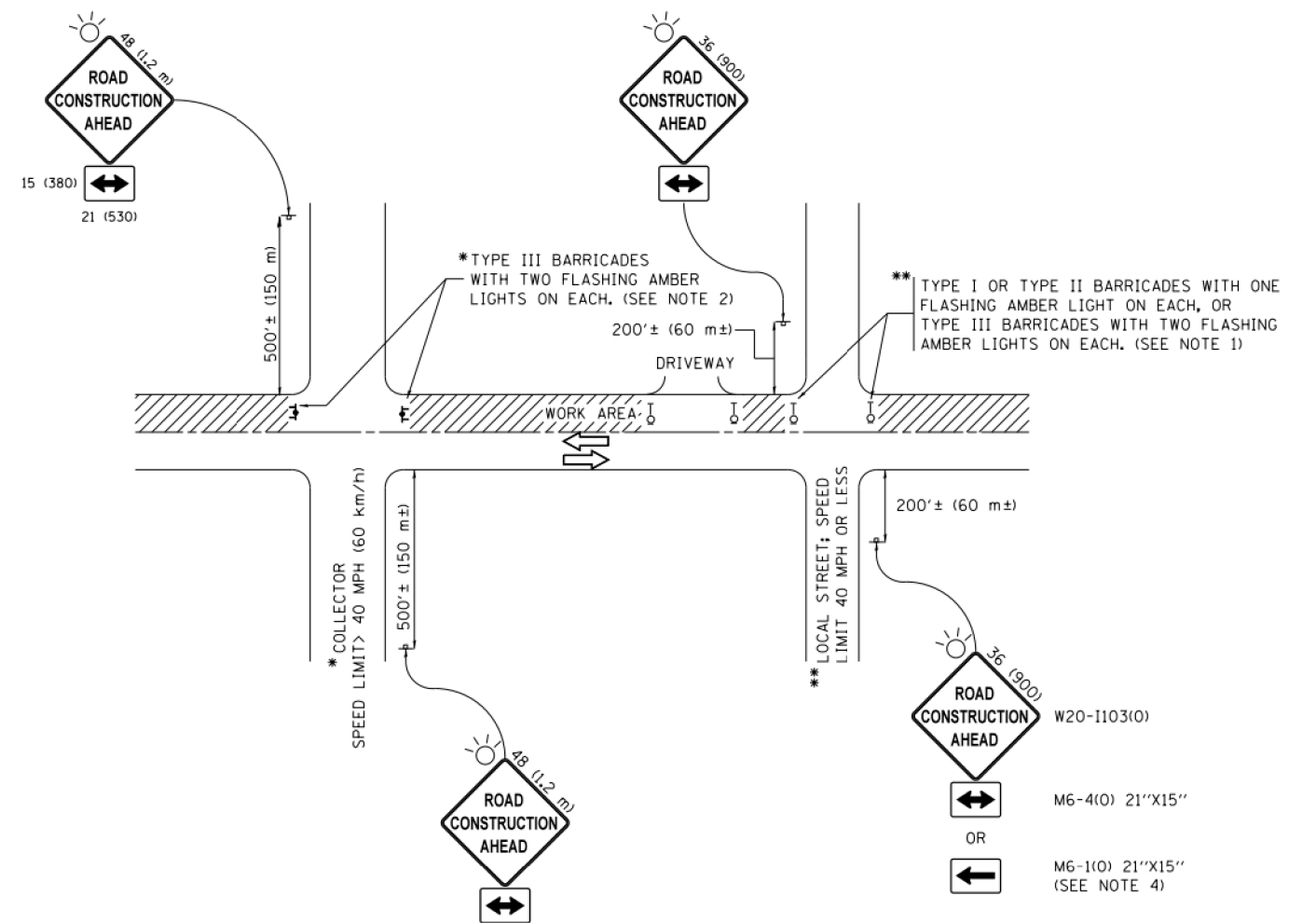
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
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		CHECKED - S.E.B.	REVISED -
		DATE - 06-16-04	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BENCHING DETAIL FOR EMBANKMENT WIDENING			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	622
BD-51		CONTRACT NO. 62B43		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

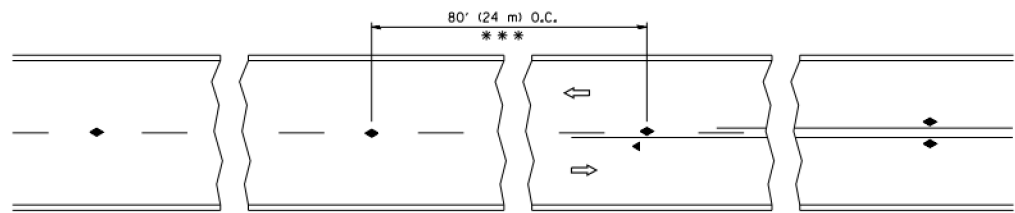
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	PLOT DATE = 9/15/2016	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

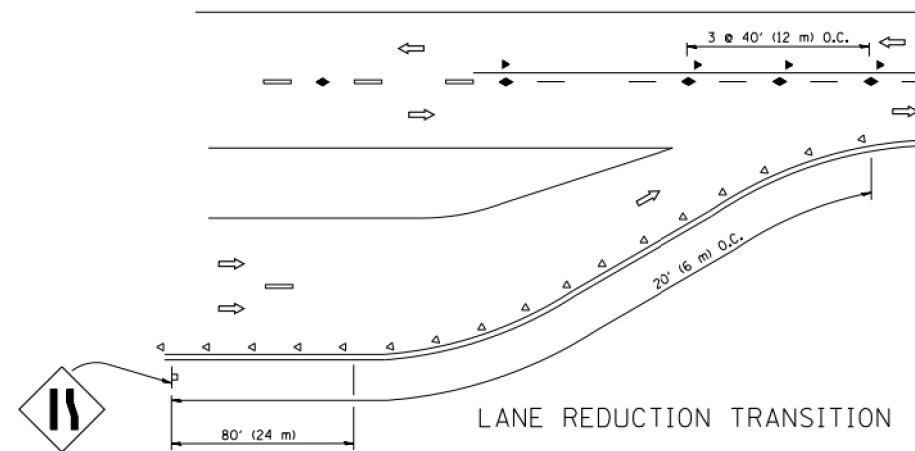
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TC-10			CONTRACT NO. 62B43	
ILLINOIS FED. AID PROJECT				

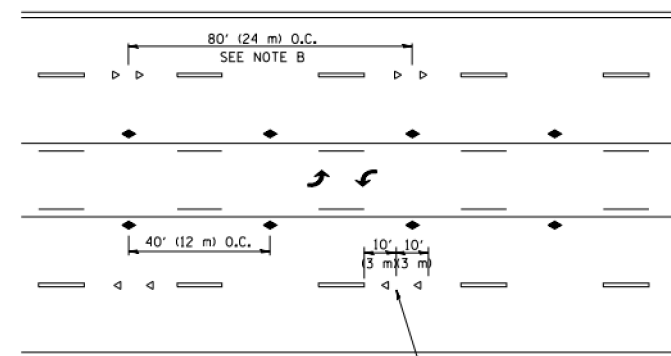


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

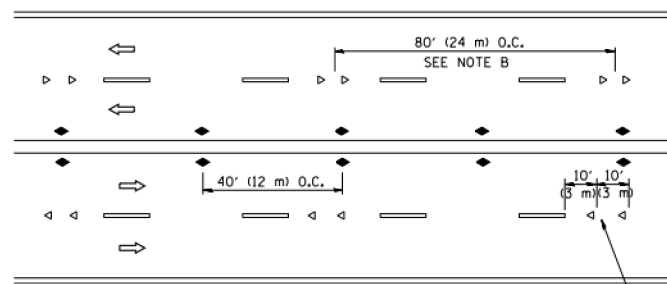
TWO-LANE/TWO-WAY



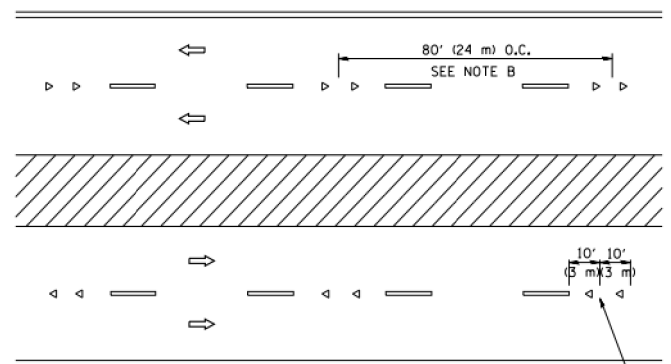
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

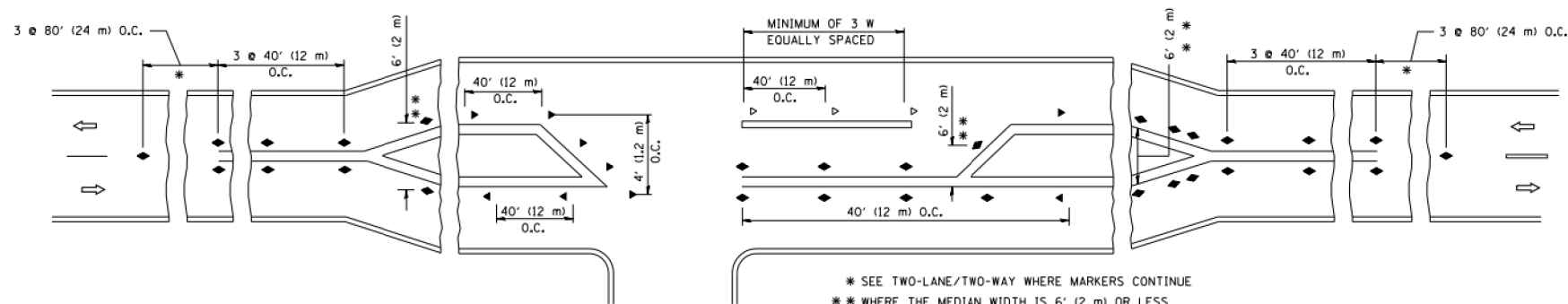
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H. (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



LEFT TURN

* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

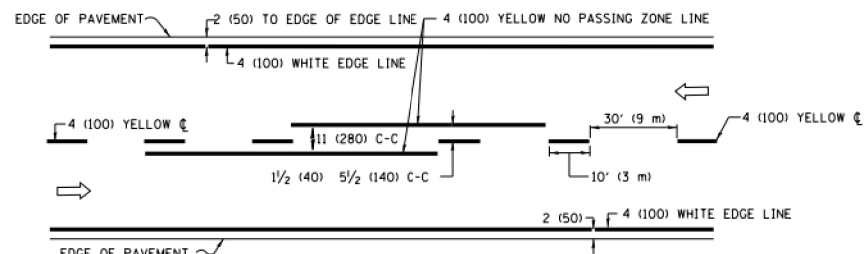
All dimensions are in inches (millimeters) unless otherwise shown.

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		PLOT SCALE = 50.000' / IN.	REVISED - T. RAMMACHER 01-06-00
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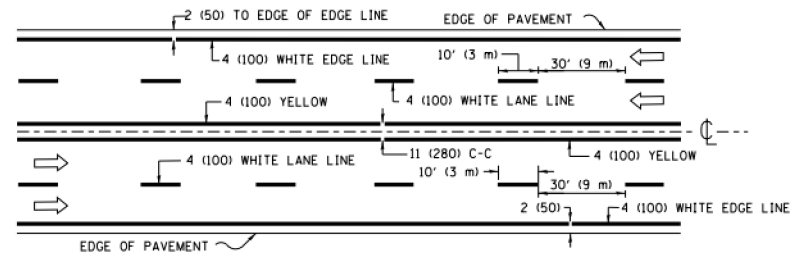
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS			
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

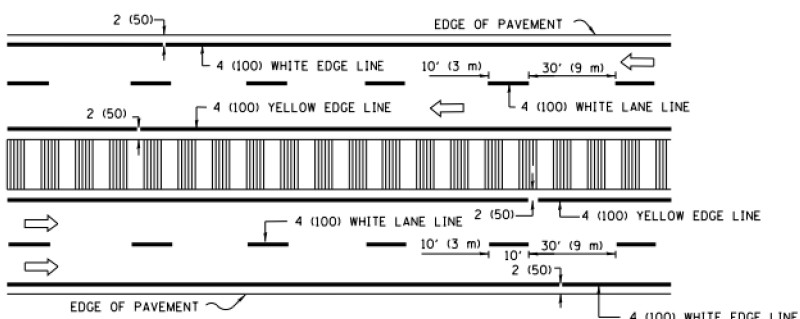
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	624
TC-11		CONTRACT NO. 62B43		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

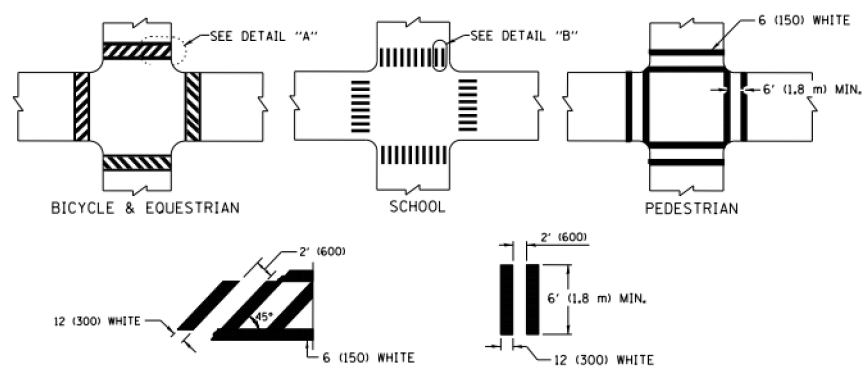


MULTI-LANE UNDIVIDED



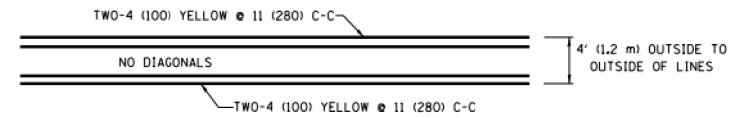
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

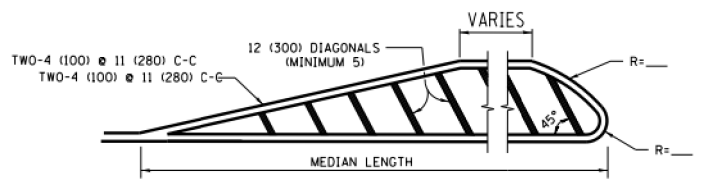


TYPICAL CROSSWALK MARKING

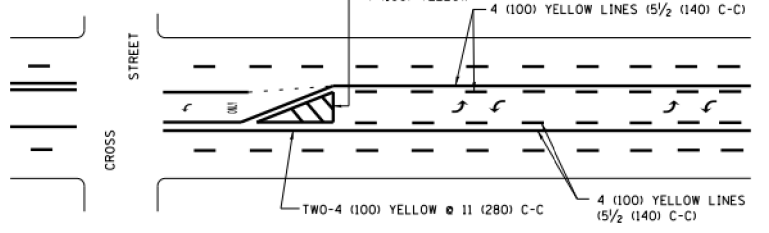
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



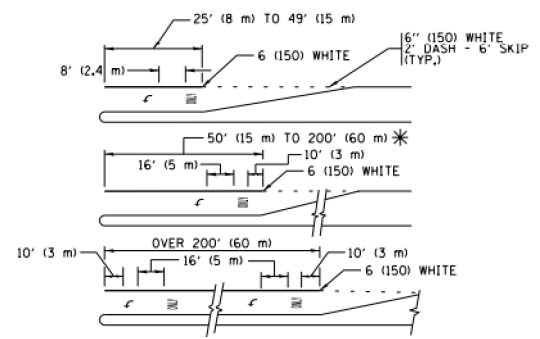
4' (1.2 m) WIDE MEDIANS ONLY



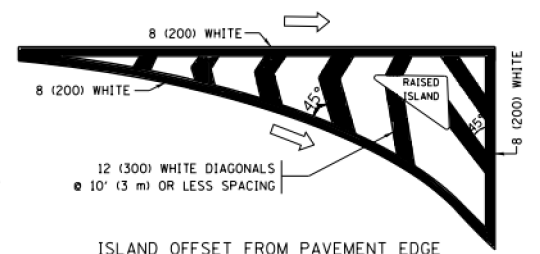
MEDIANS OVER 4' (1.2 m) WIDE



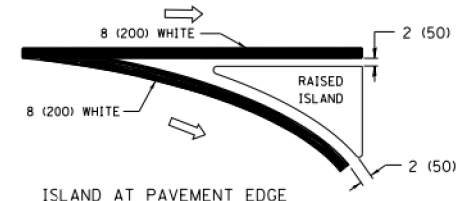
MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING



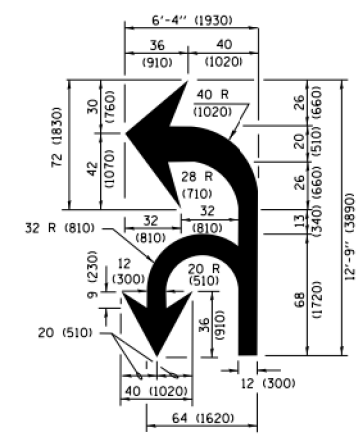
TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING



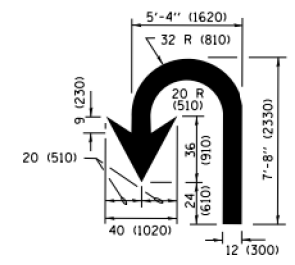
ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

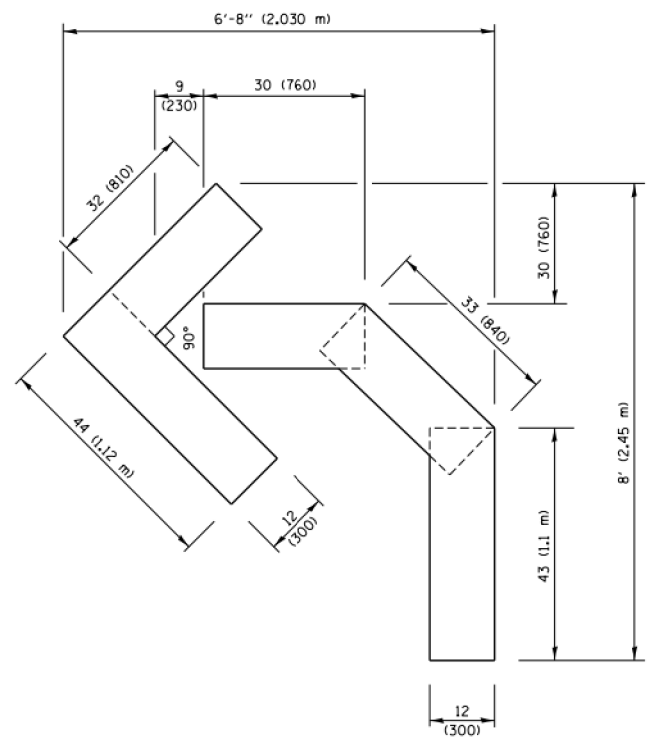
All dimensions are in inches (millimeters) unless otherwise shown.

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Default	PLOT SCALE = 50.000' / 1 in.	DRAWN -	REVISED - C. JUCIUS 07-01-13
	PLOT DATE = 6/23/2017	CHECKED -	REVISED - C. JUCIUS 12-21-15
		DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

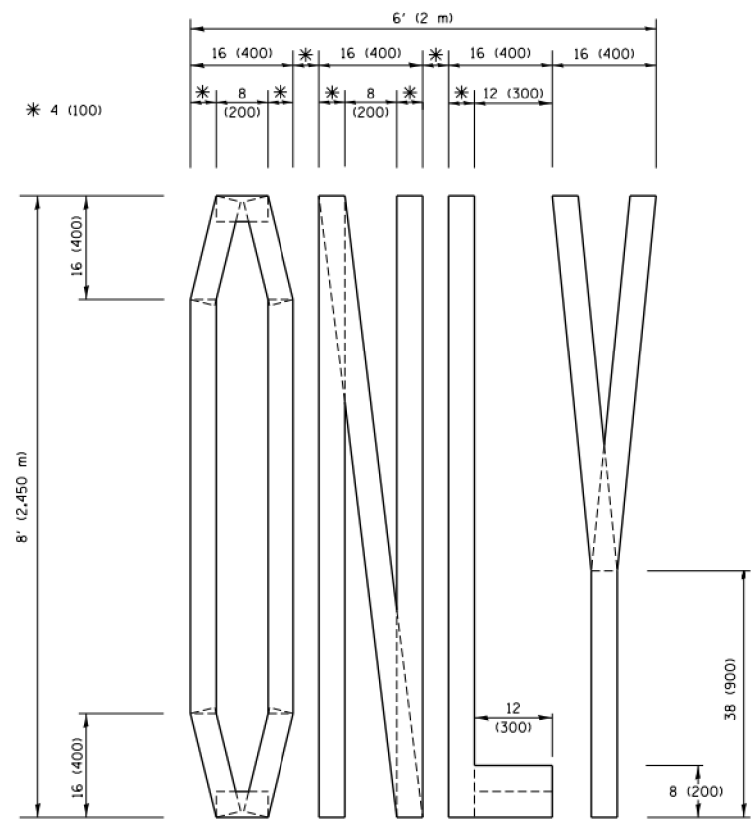
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE TYPICAL PAVEMENT MARKINGS			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

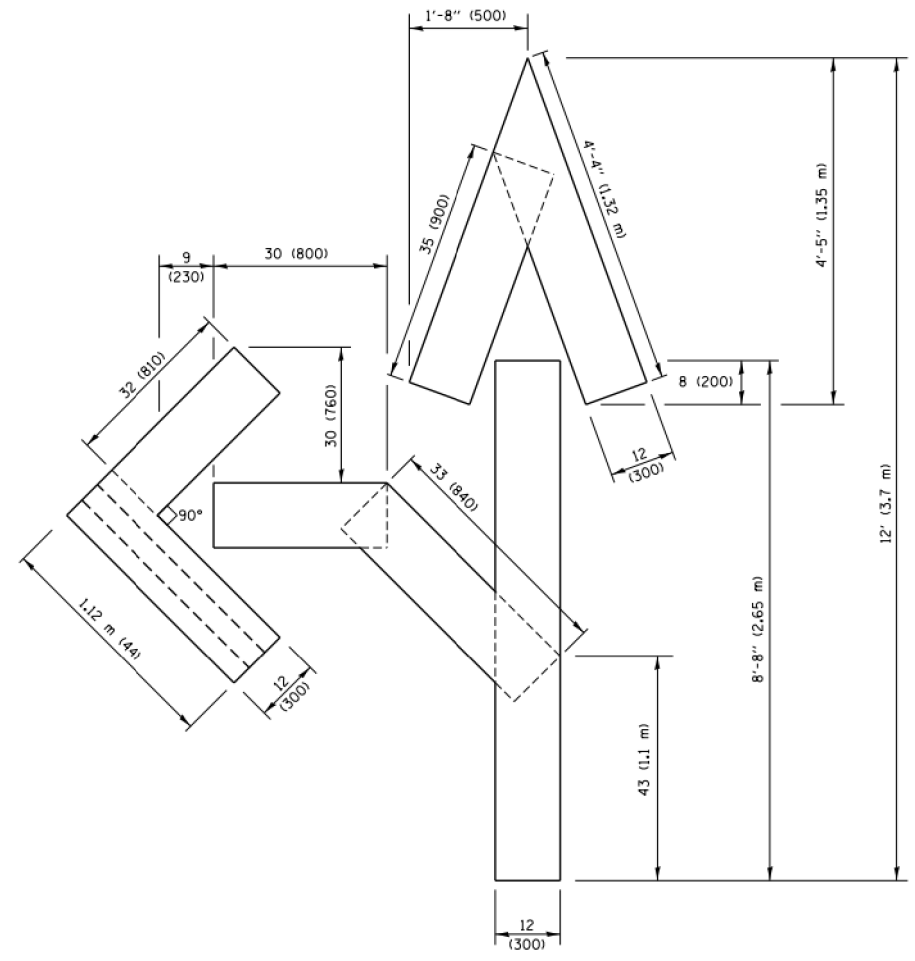
F.A.P. RTE. 326	SECTION 105-N-2(15)	COUNTY MCHENRY	TOTAL SHEETS 803	SHEET NO. 625
TC-13		CONTRACT NO. 62B43		
ILLINOIS FED. AID PROJECT				



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.41 sq. m)

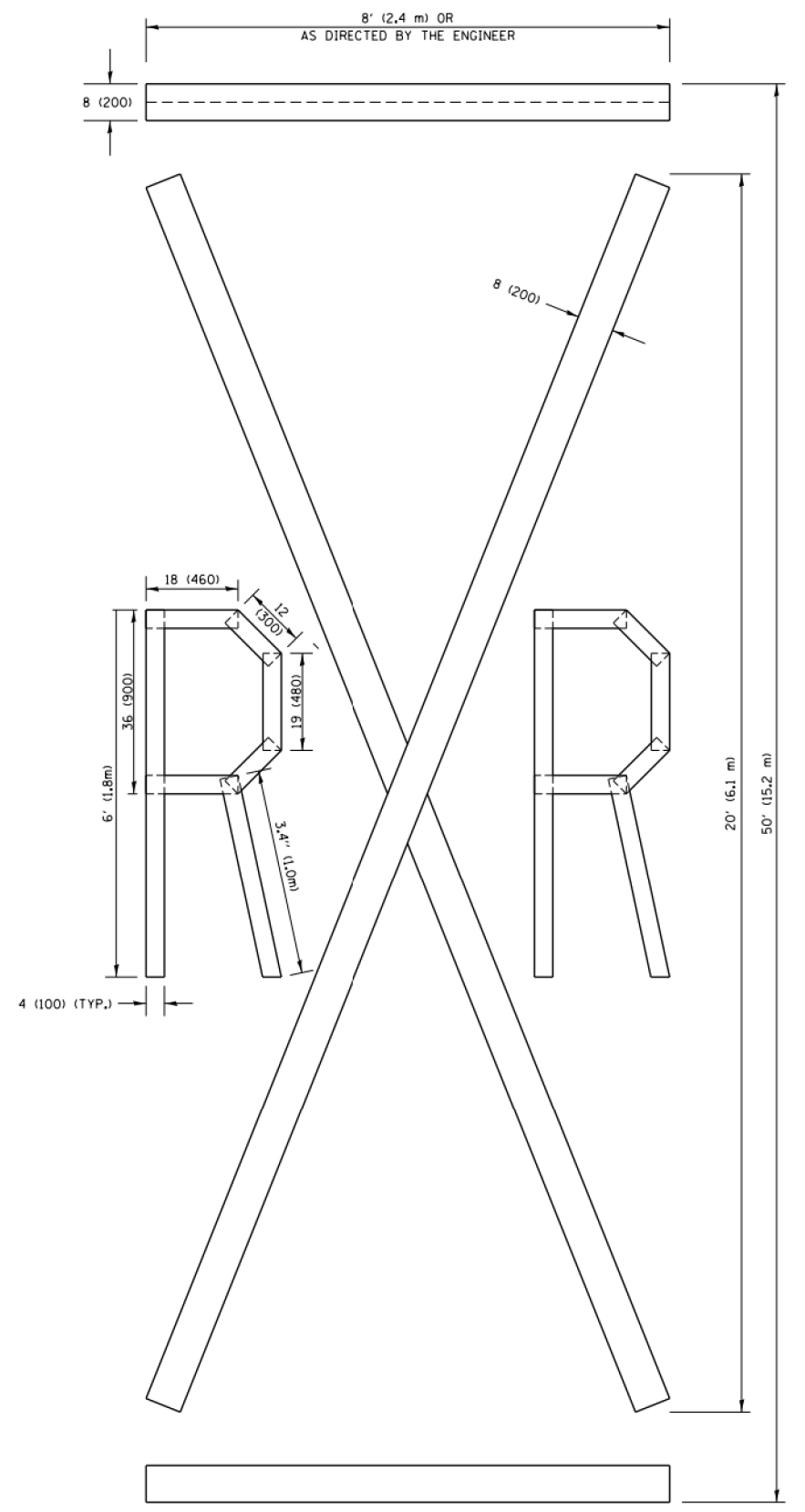


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.1 m)
 27.5 sq. ft. (2.53 sq. m)

NOTE:
 ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY
 4 (100) LINE = 225.9 ft. (68.9 m)
 75.3 sq. ft. (6.99 sq. m)

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

FILE NAME =	USER NAME = footevj	DESIGNED -	REVISED -T. RAMMACHER 03-02-98
pw\j\1084EBIDINTEG\illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\Dist 1\0221\1084EBIDINTEG\CADData\CADsheets\tc16.dgn			REVISED -E. GOMEZ 08-28-00
			REVISED -E. GOMEZ 08-28-00
PLOT SCALE = 50.0000' / in.	CHECKED -		REVISED -A. SCHUETZE 09-15-16
PLOT DATE = 9/15/2016	DATE -	09-18-94	


**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**


SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS


SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	626
TC-16		CONTRACT NO. 62B43		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				






ROUTE MARKERS

 FOR U.S. ROUTES
M1-40-2424






 FOR ILLINOIS ROUTES
M1-50-2424

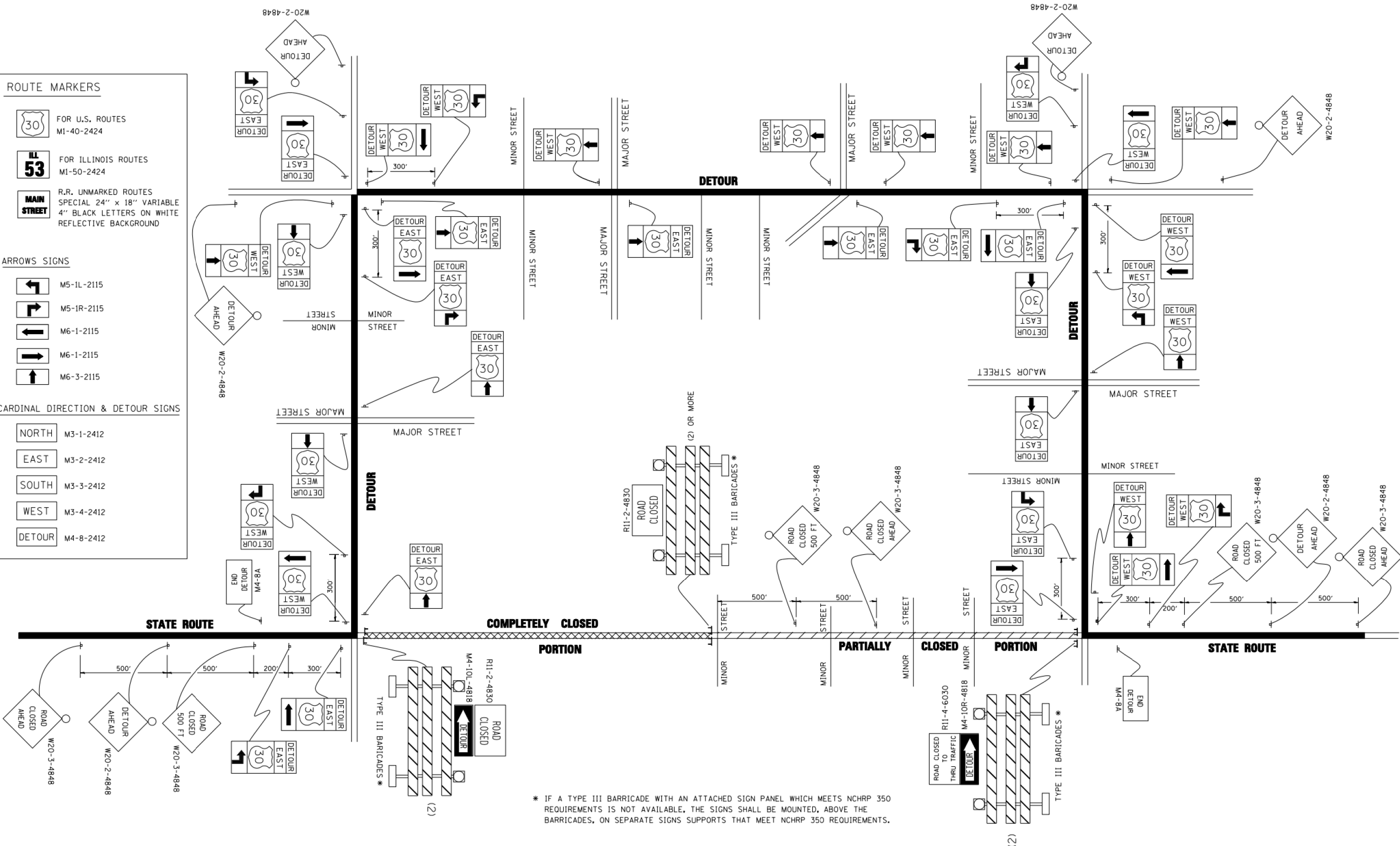
 R.R. UNMARKED ROUTES
SPECIAL 24" x 18" VARIABLE
4" BLACK LETTERS ON WHITE
REFLECTIVE BACKGROUND

ARROWS SIGNS

-  M5-1L-2115
-  M5-1R-2115
-  M6-1-2115
-  M6-1-2115
-  M6-3-2115

CARDINAL DIRECTION & DETOUR SIGNS

-  NORTH M3-1-2412
-  EAST M3-2-2412
-  SOUTH M3-3-2412
-  WEST M3-4-2412
-  DETOUR M4-8-2412



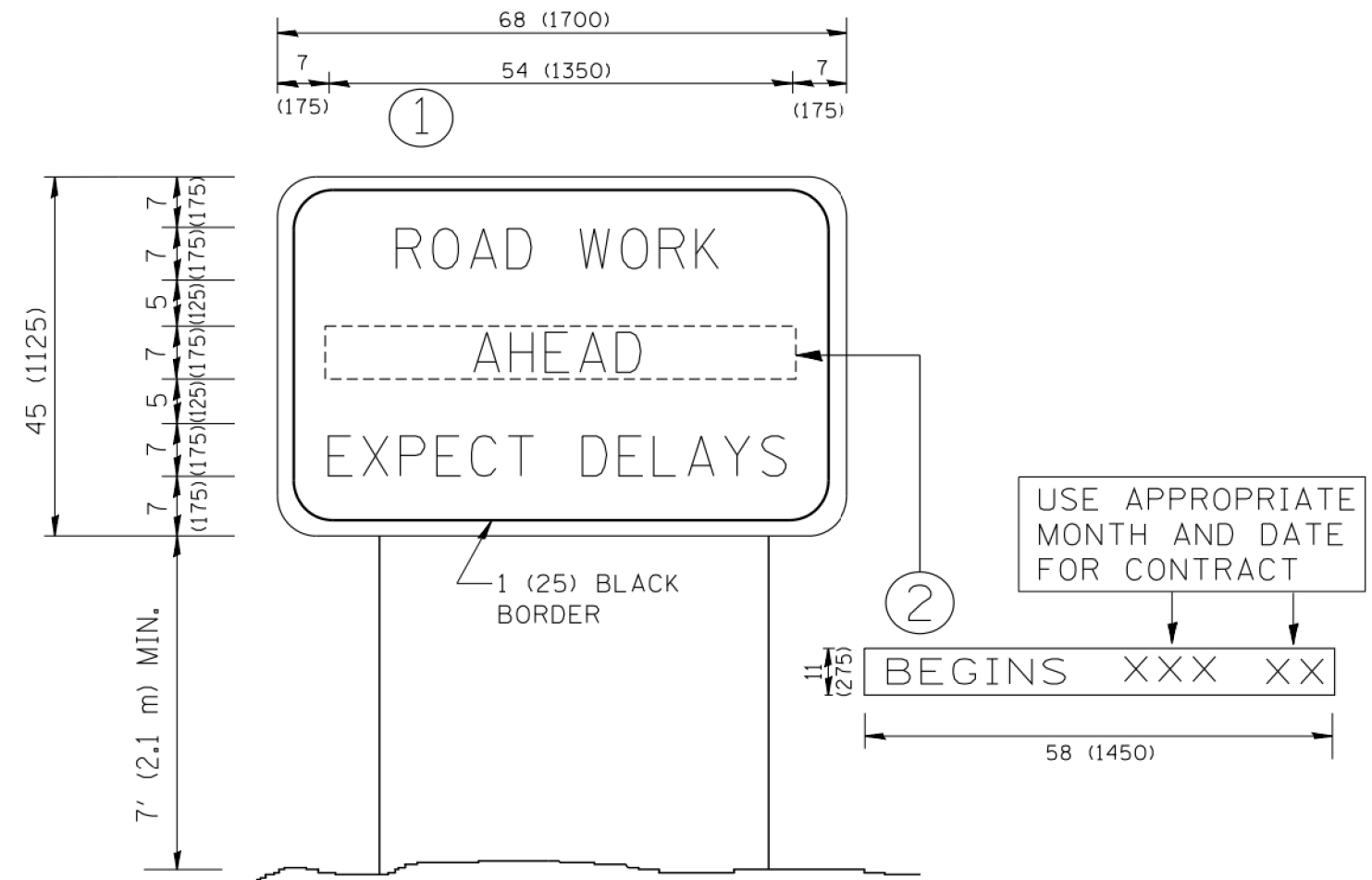
* IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.

FILE NAME =	USER NAME = drivakosgn	DESIGNED -	REVISED - 10-18-02
cs:\pwwork\PWIDOT\DRIVAKOSGN\d8108315\td21.dgn		DRAWN -	REVISED - R. BORO 09-14-09
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETOUR SIGNING FOR CLOSING STATE HIGHWAYS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	627
TC-21		CONTRACT NO. 62B43		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

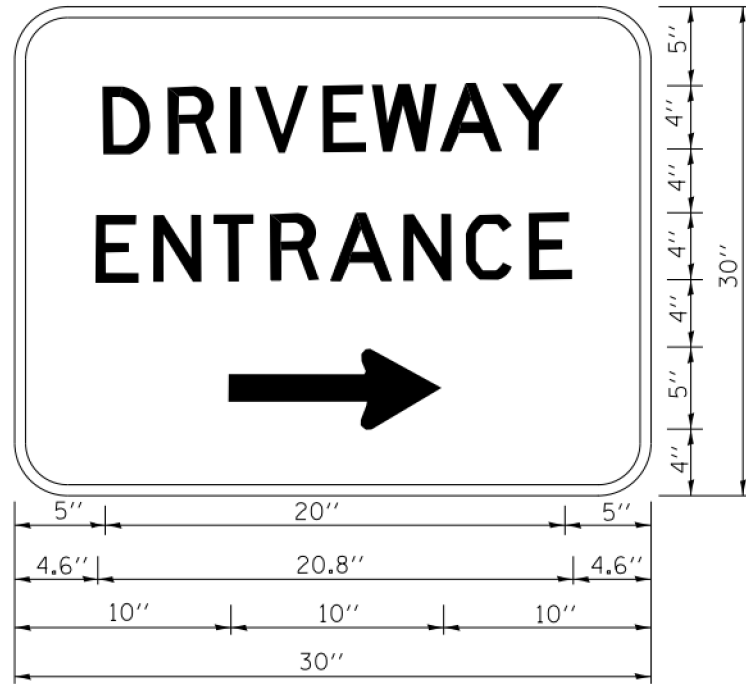


NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

FILE NAME = W:\diststd\22x34\tc22.dgn	USER NAME = goglianobt	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED - R. MIRS 12-11-97			326	105-N-2(15)	MCHENRY	803	628	
		PLOT SCALE = 50.000' / IN.	REVISOR - T. RAMMACHER 02-02-99			TC-22		CONTRACT NO. 62B43			
		PLOT DATE = 1/4/2008	REVISOR - C. JUCIUS 01-31-07			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE
 PLACED BACK-TO-BACK; ONE WITH A RIGHT HAND ARROW (SHOWN)
 SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY
 AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE
 FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

FILE NAME =	USER NAME = gaglianob	DESIGNED -	REVISED - C. JUCIUS 02-15-07
cs:\pwork\pwork\gaglianob\d0108315\tc26.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRIVEWAY ENTRANCE SIGNING

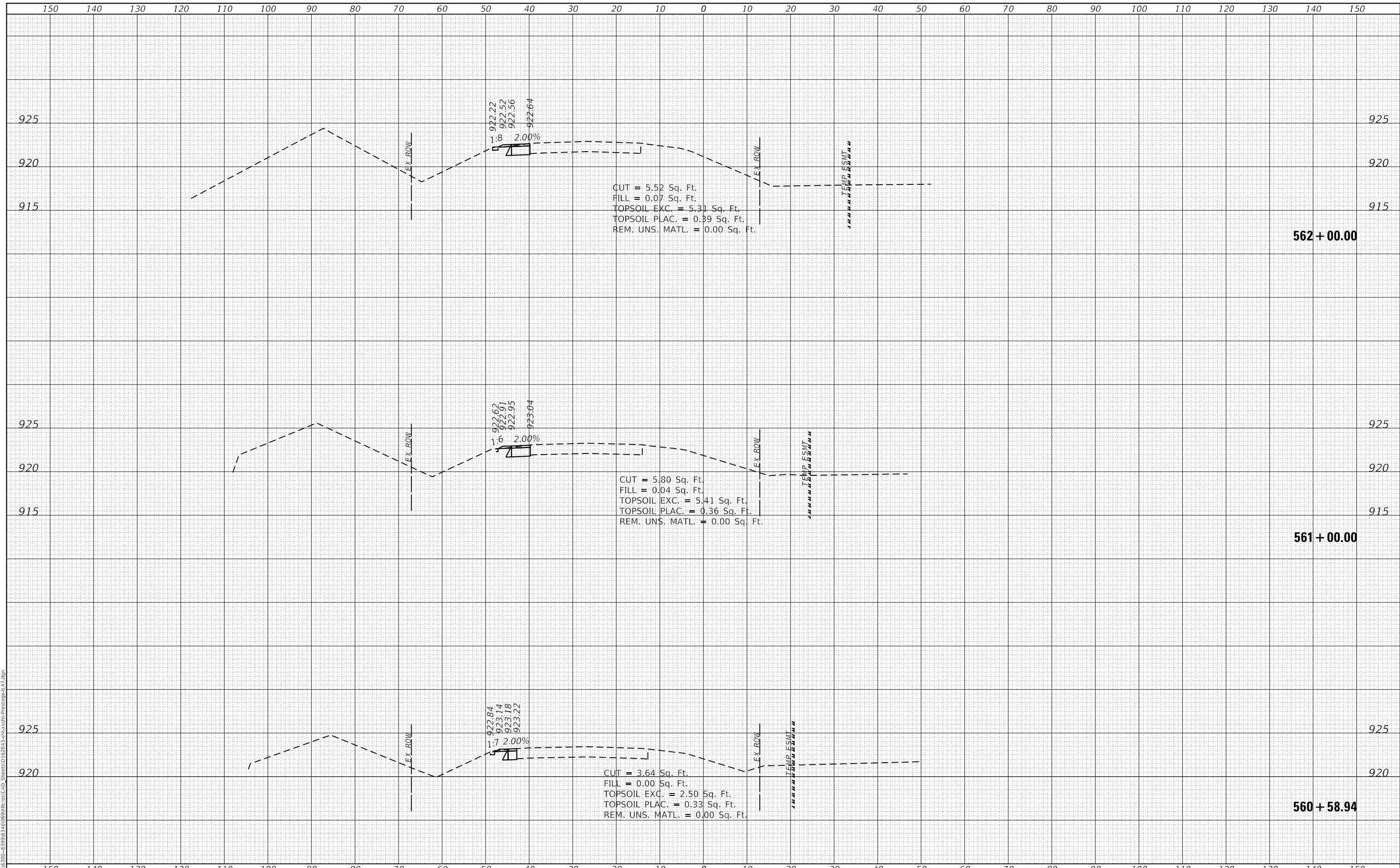
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	629
TC-26			CONTRACT NO. 62B43	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

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

MODEL: Defaulr
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STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 12/18/2023	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47
 PRESTAGE CROSS SECTIONS**

SCALE: 10H 5V SHEET 1 OF 39 SHEETS STA. 560+58.94 TO STA. 562+00.00

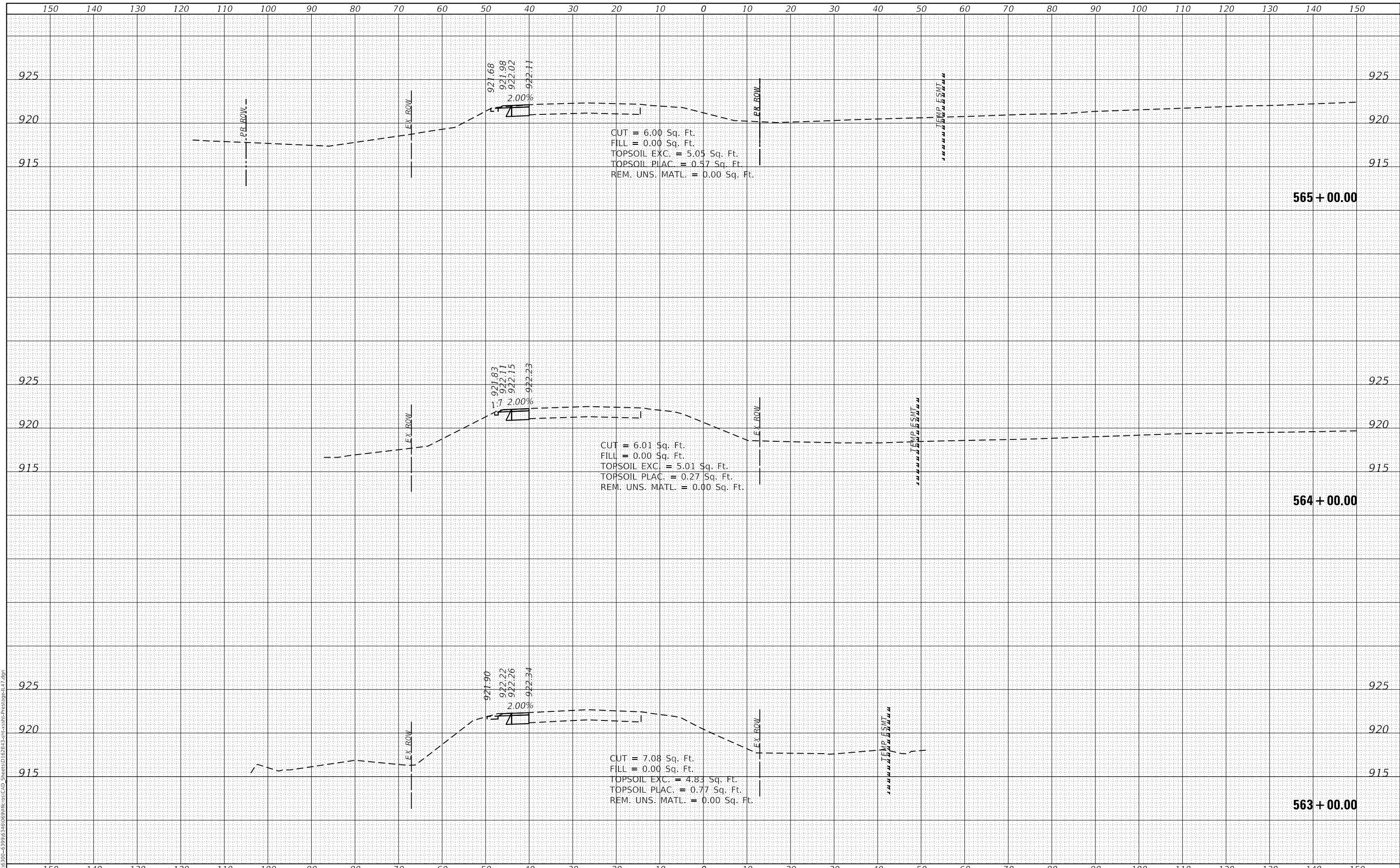
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	630
			CONTRACT NO. 62B43	

ILLINOIS FED. AID PROJECT

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

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

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1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
STRAND ASSOCIATES*

USER NAME	= StevenB
DESIGNED	- MAG
DRAWN	- DJW
CHECKED	- DWG
DATE	- 12/15/2023

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47
 PRESTAGE CROSS SECTIONS**

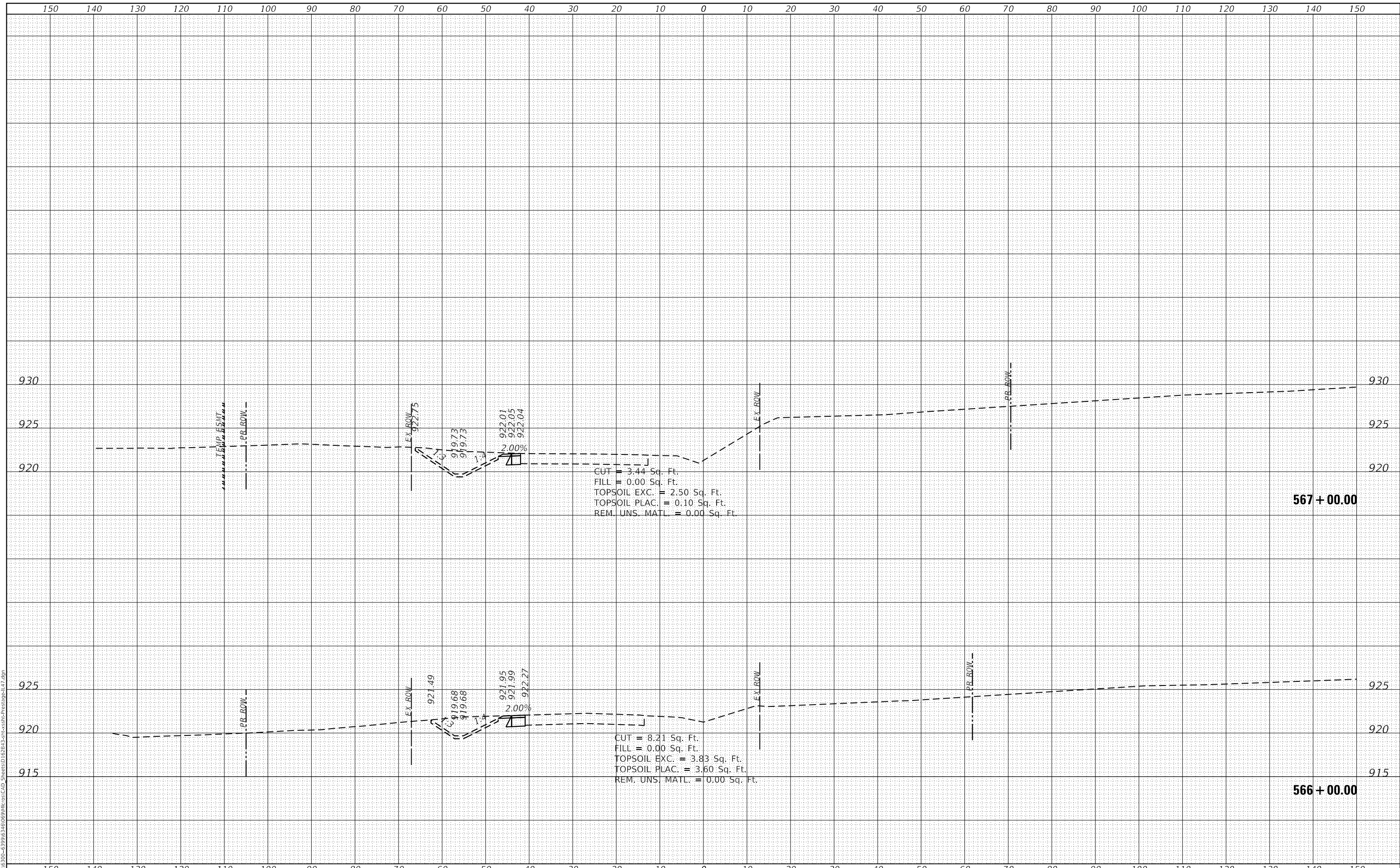
SCALE: 10H 5V SHEET 2 OF 39 SHEETS STA. 563+00.00 TO STA. 565+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	631
			CONTRACT NO. 62B43	
			ILLINOIS FED. AID PROJECT	

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

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

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STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISD -
PLOT SCALE = 20.0000' / in.	DRAWN - DJW	REVISD -
PLOT DATE = 12/18/2023	CHECKED - DWG	REVISD -
	DATE - 12/15/2023	REVISD -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

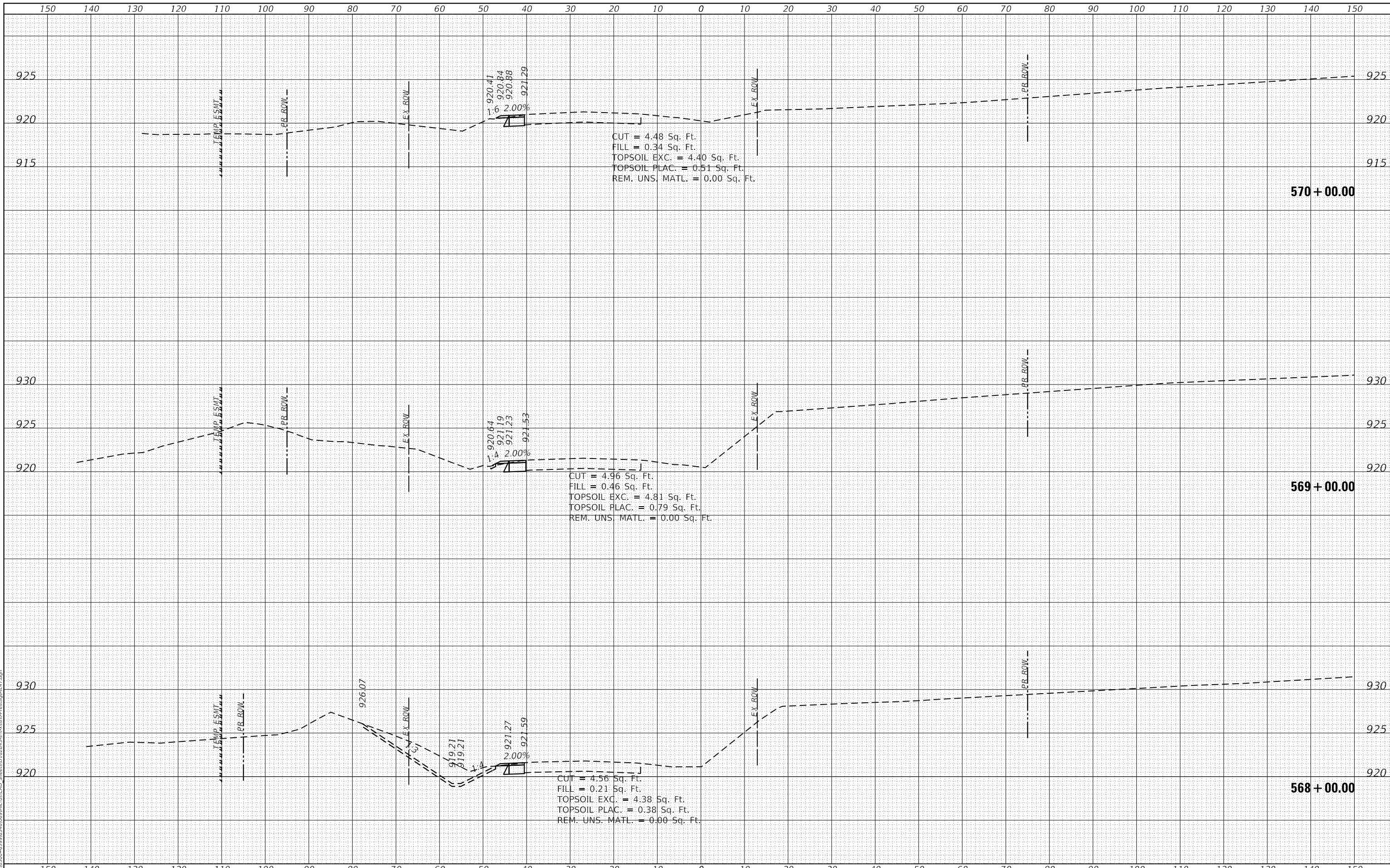
**IL ROUTE 47
 PRESTAGE CROSS SECTIONS**
 SCALE: 10H 5V SHEET 3 OF 39 SHEETS STA. 566+00.00 TO STA. 567+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	632
			CONTRACT NO. 62B43	
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Defaulr
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1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
STRAND ASSOCIATES

USER NAME = StevenB	DESIGNED - MAG	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 12/18/2023	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47
 PRESTAGE CROSS SECTIONS**

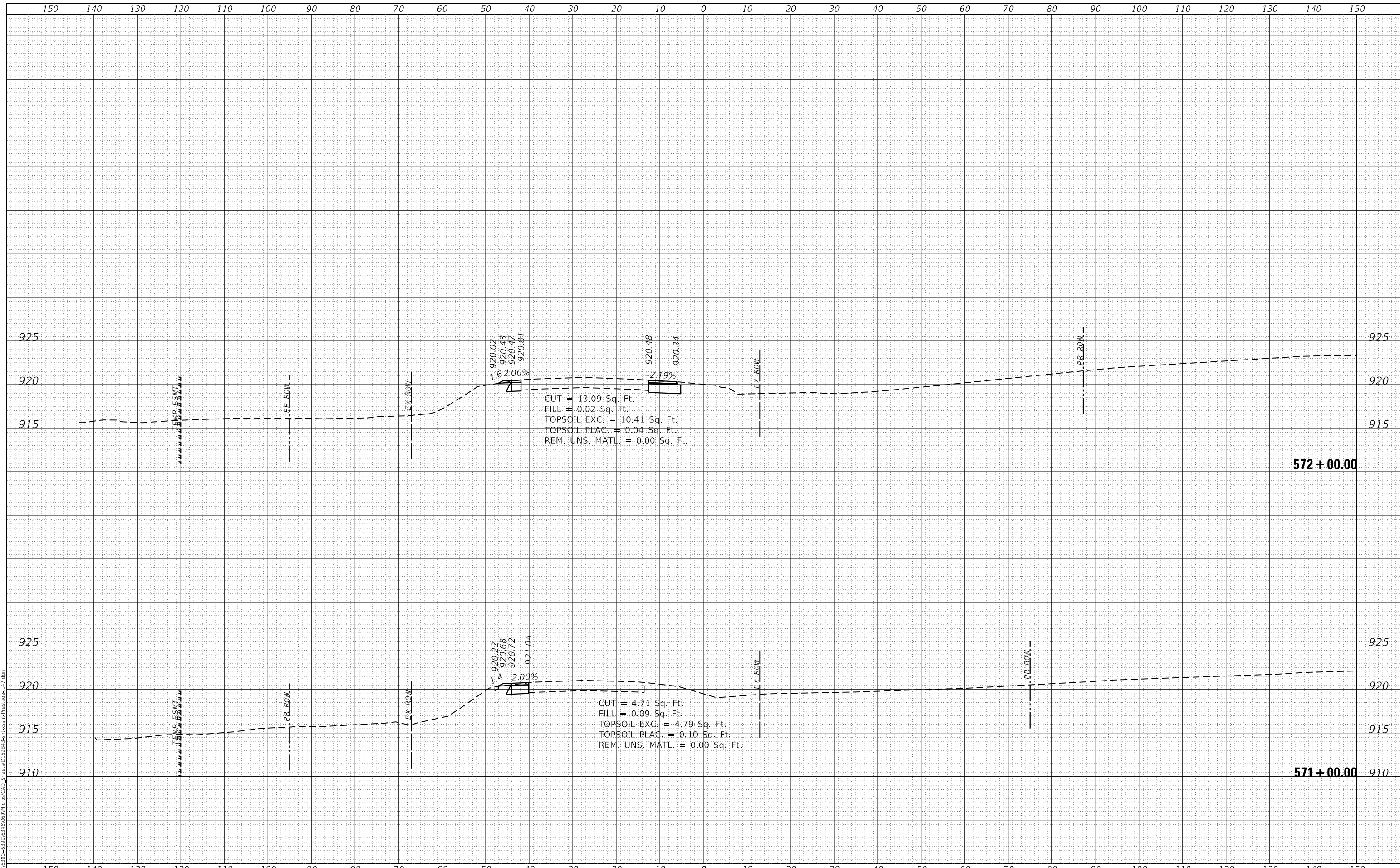
SCALE: 10H 5V SHEET 4 OF 39 SHEETS STA. 568+00.00 TO STA. 570+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	633
			CONTRACT NO. 62B43	
		ILLINOIS	FED. AID PROJECT	

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

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

MODEL: Defaulr
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1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
STRAND ASSOCIATES*

USER NAME = StevenB	DESIGNED - MAG	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 12/18/2023	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47
 PRESTAGE CROSS SECTIONS**

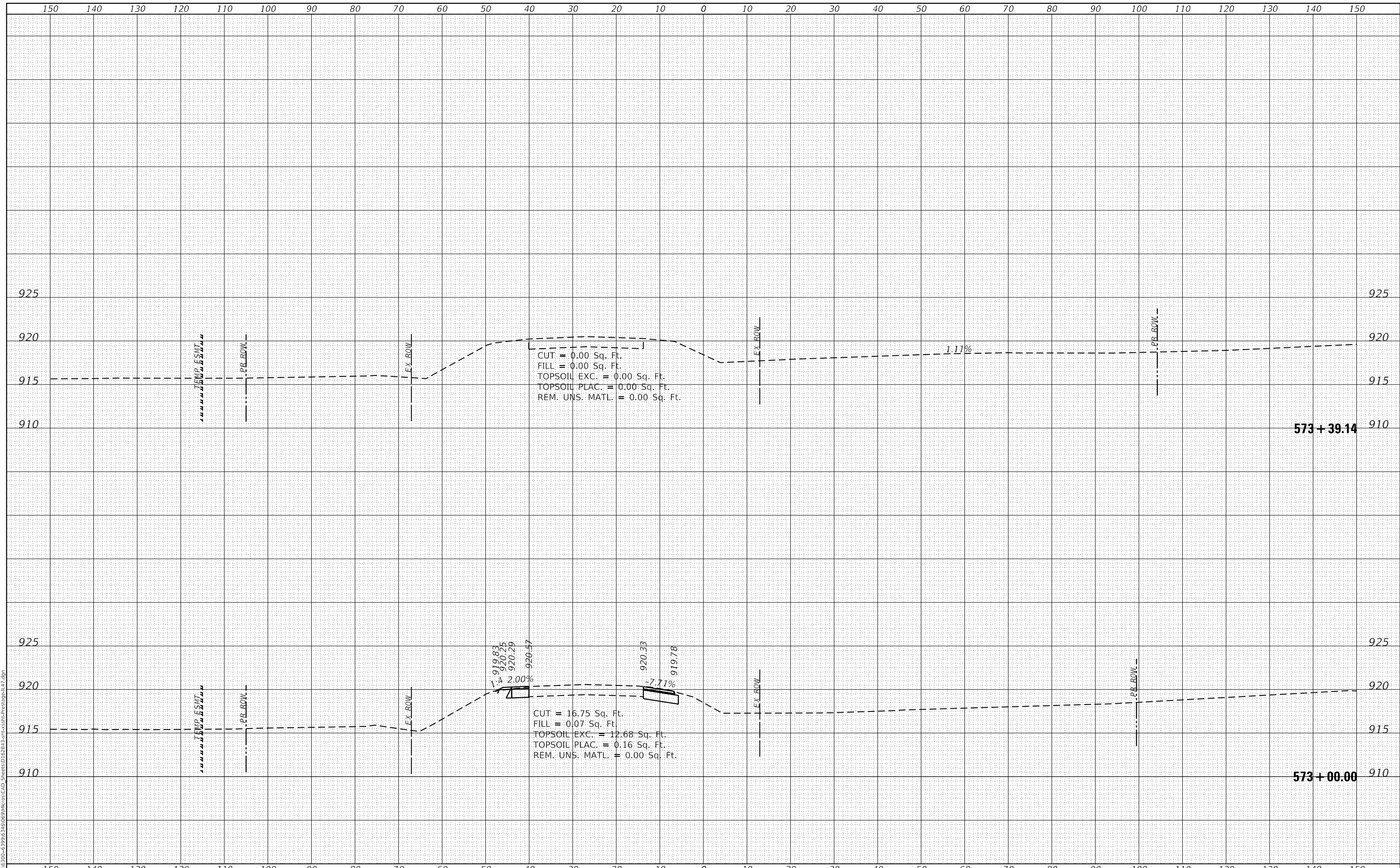
SCALE: 10H 5V SHEET 5 OF 39 SHEETS STA. 571+00.00 TO STA. 572+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	634
			CONTRACT NO. 62B43	
		ILLINOIS FED. AID PROJECT		

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

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

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1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
STRAND ASSOCIATES*

USER NAME = StevenB	DESIGNED - MAG	REVISD -
	DRAWN - DJW	REVISD -
PLOT SCALE = 20.0000' / in.	CHECKED - DWG	REVISD -
PLOT DATE = 12/18/2023	DATE - 12/15/2023	REVISD -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47
 PRESTAGE CROSS SECTIONS**

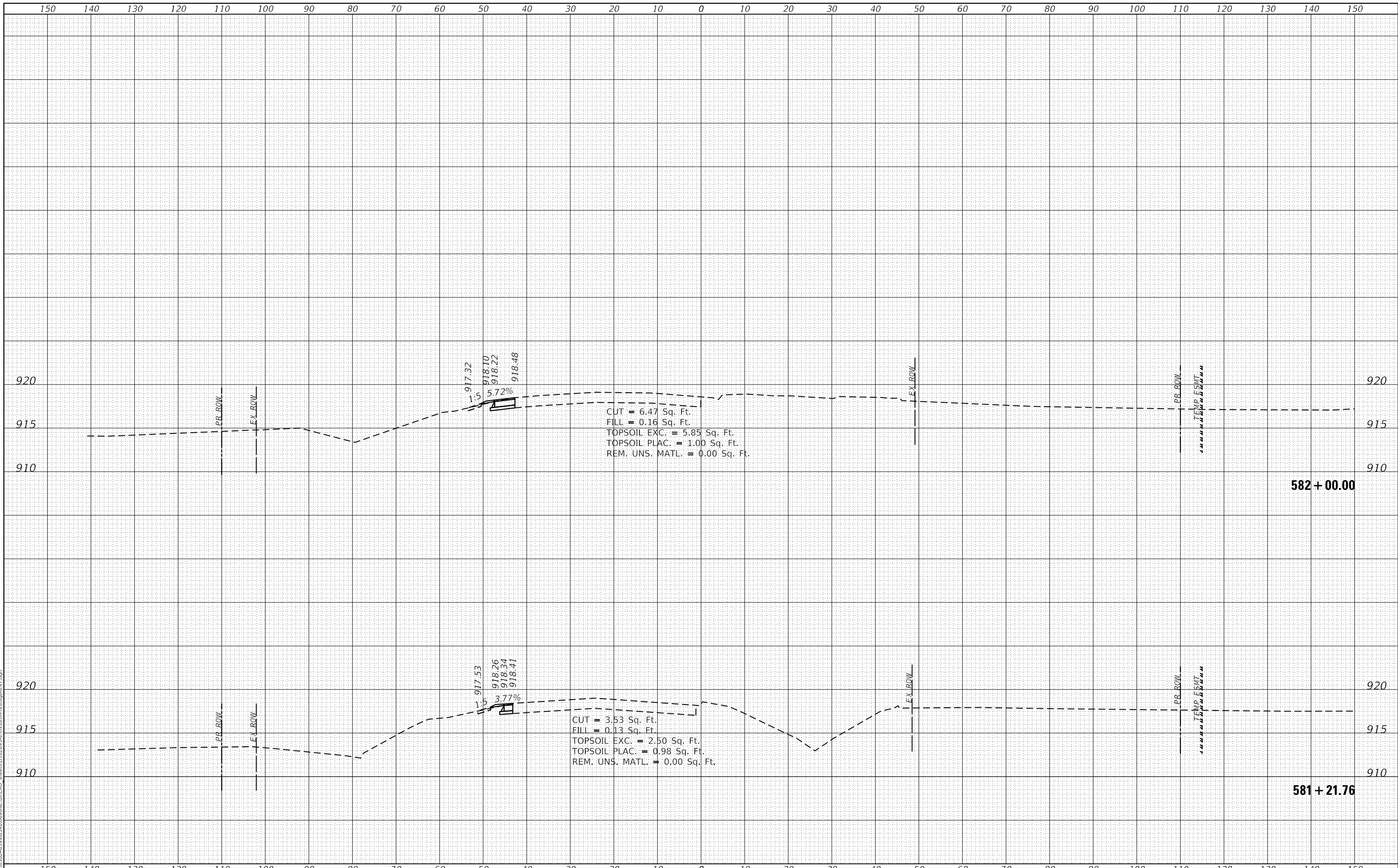
SCALE: 10H 5V SHEET 6 OF 39 SHEETS STA. 573+00.00 TO STA. 573+39.14

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	635
			CONTRACT NO. 62B43	
ILLINOIS FED. AID PROJECT				

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

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

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CUT = 6.47 Sq. Ft.
 FILL = 0.16 Sq. Ft.
 TOPSOIL EXC. = 5.85 Sq. Ft.
 TOPSOIL PLAC. = 1.00 Sq. Ft.
 REM. UNS. MATL. = 0.00 Sq. Ft.

CUT = 3.53 Sq. Ft.
 FILL = 0.13 Sq. Ft.
 TOPSOIL EXC. = 2.50 Sq. Ft.
 TOPSOIL PLAC. = 0.98 Sq. Ft.
 REM. UNS. MATL. = 0.00 Sq. Ft.

STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REvised -
PLOT SCALE = 20.0000' / in.	DRAWN - DJW	REvised -
PLOT DATE = 12/18/2023	CHECKED - DWG	REvised -
	DATE - 12/15/2023	REvised -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47
 PRESTAGE CROSS SECTIONS**
 SCALE: 10H 5V SHEET 7 OF 39 SHEETS STA. 581+21.76 TO STA. 582+00.00

F.A.P. RTE. 326	SECTION 105-N-2(15)	COUNTY MCHENRY	TOTAL SHEETS 803	SHEET NO. 636
				CONTRACT NO. 62B43
ILLINOIS FED. AID PROJECT				

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

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

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FILE NAME: S:\01\16300-6399\16346\069\16346.dgn

STRAND ASSOCIATES*
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

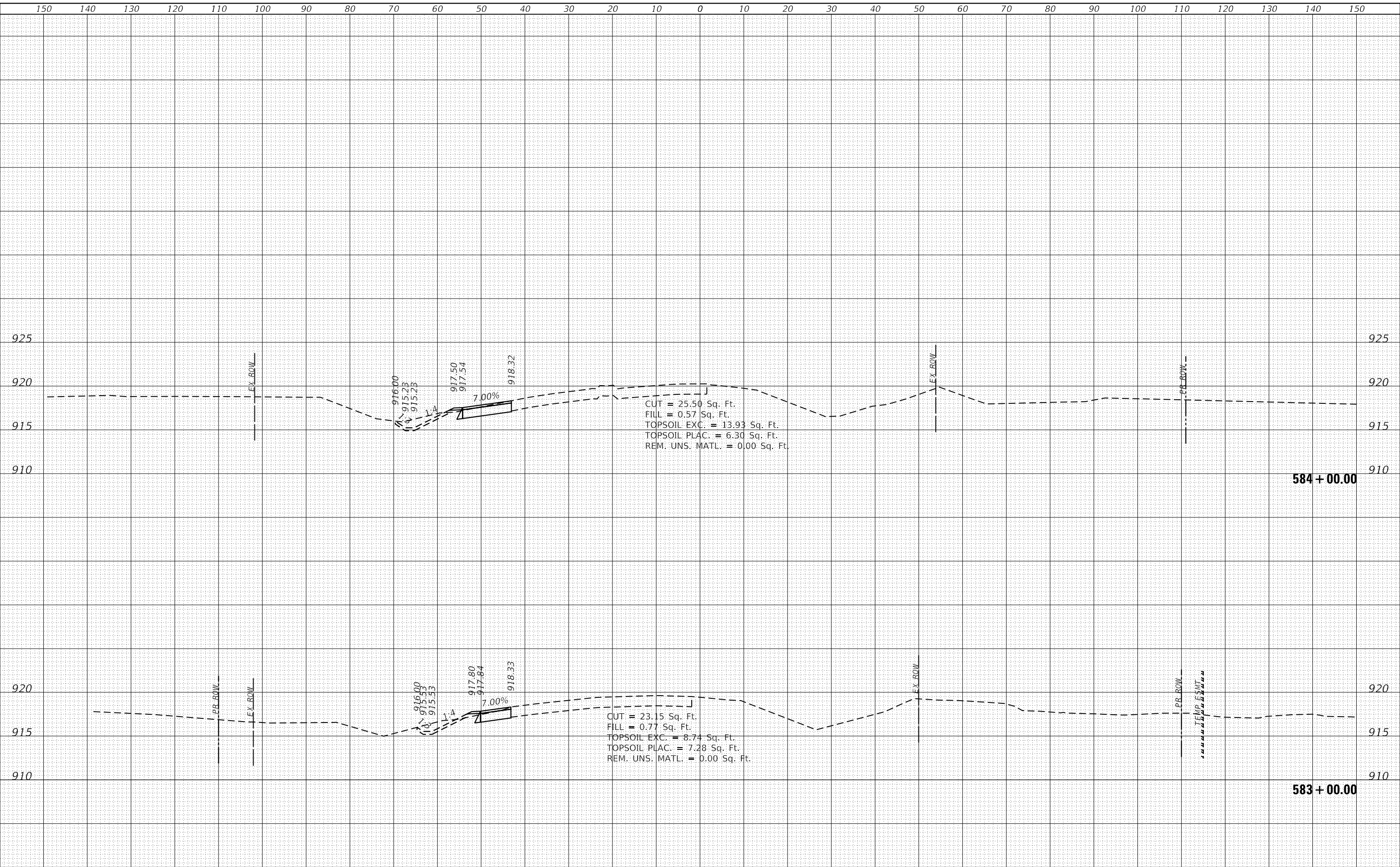
USER NAME = StevenB	DESIGNED - MAG	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - DJW	REVISED -
PLOT DATE = 12/18/2023	CHECKED - DWG	REVISED -
	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47
PRESTAGE CROSS SECTIONS**

SCALE: 10H 5V SHEET 8 OF 39 SHEETS STA. 583+00.00 TO STA. 584+00.00

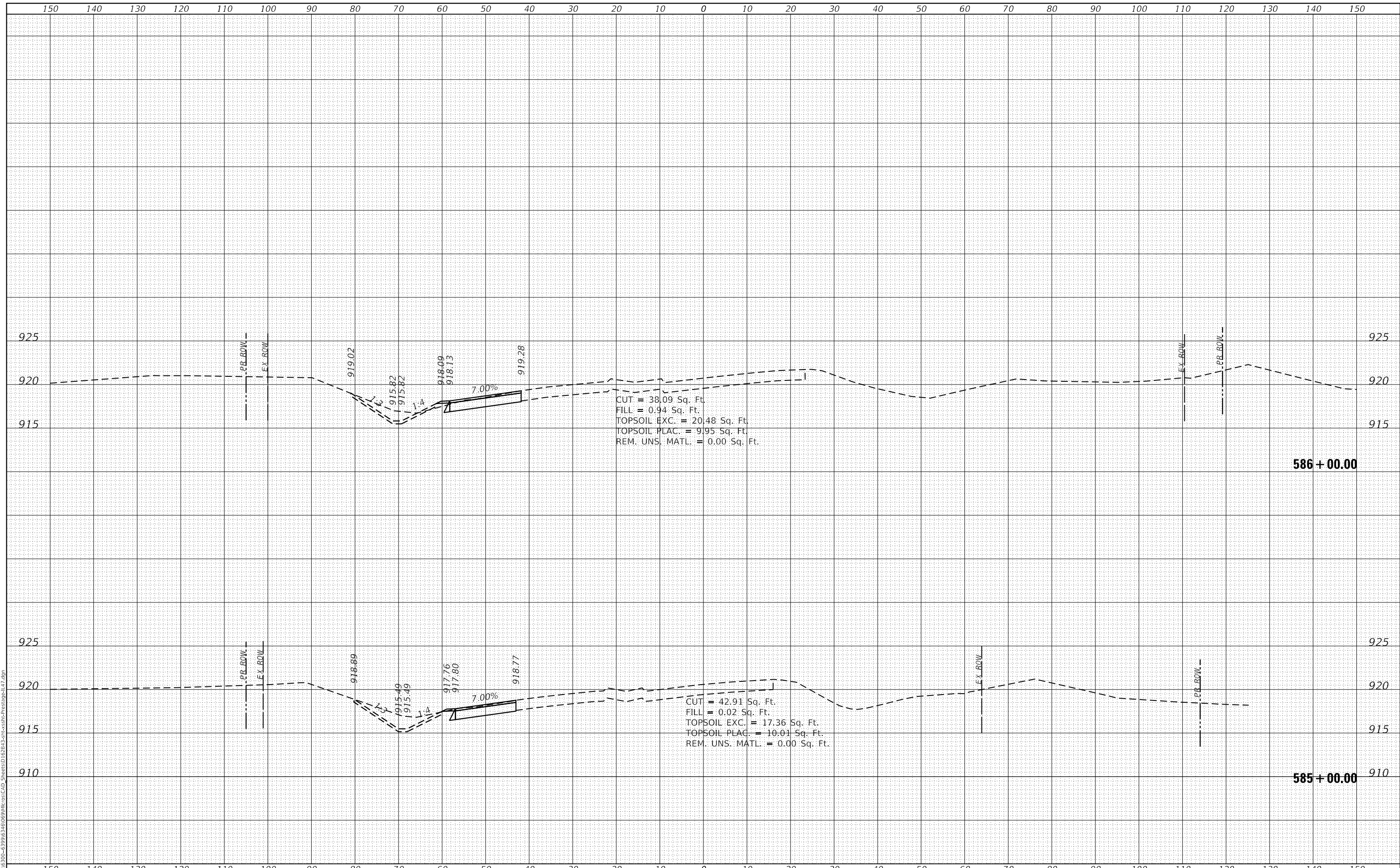
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	637
			CONTRACT NO. 62B43	
ILLINOIS FED. AID PROJECT				



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

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

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1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
STRAND ASSOCIATES*

USER NAME = StevenB	DESIGNED - MAG	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 12/18/2023	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47
 PRESTAGE CROSS SECTIONS**

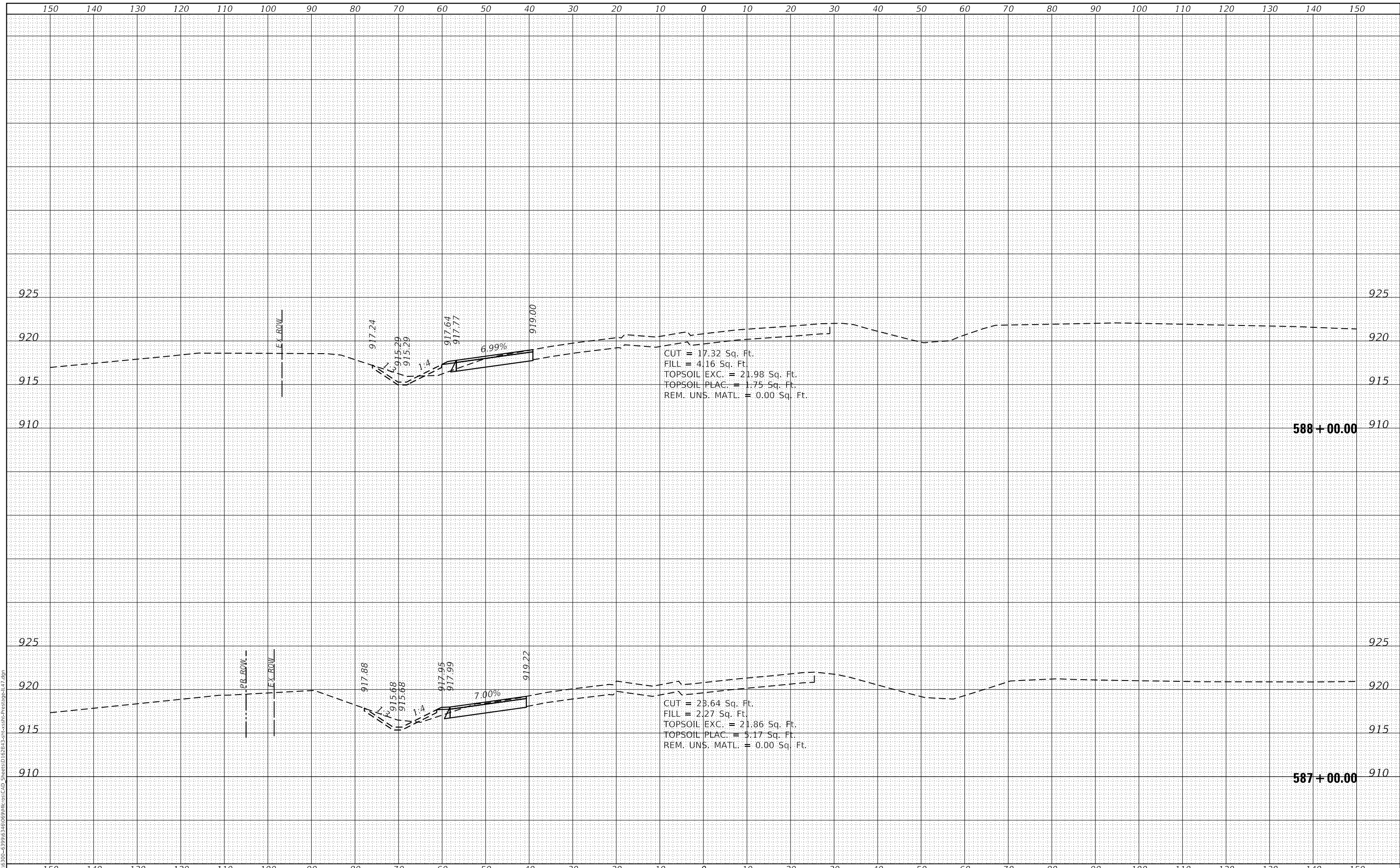
SCALE: 10H 5V SHEET 9 OF 39 SHEETS STA. 585+00.00 TO STA. 586+00.00

F.A.P. RTE. 326	SECTION 105-N-2(15)	COUNTY MCHENRY	TOTAL SHEETS 803	SHEET NO. 638
			CONTRACT NO. 62B43	
ILLINOIS FED. AID PROJECT				

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

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

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47
 PRESTAGE CROSS SECTIONS**

STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 12/18/2023	DATE - 12/15/2023	REVISED -

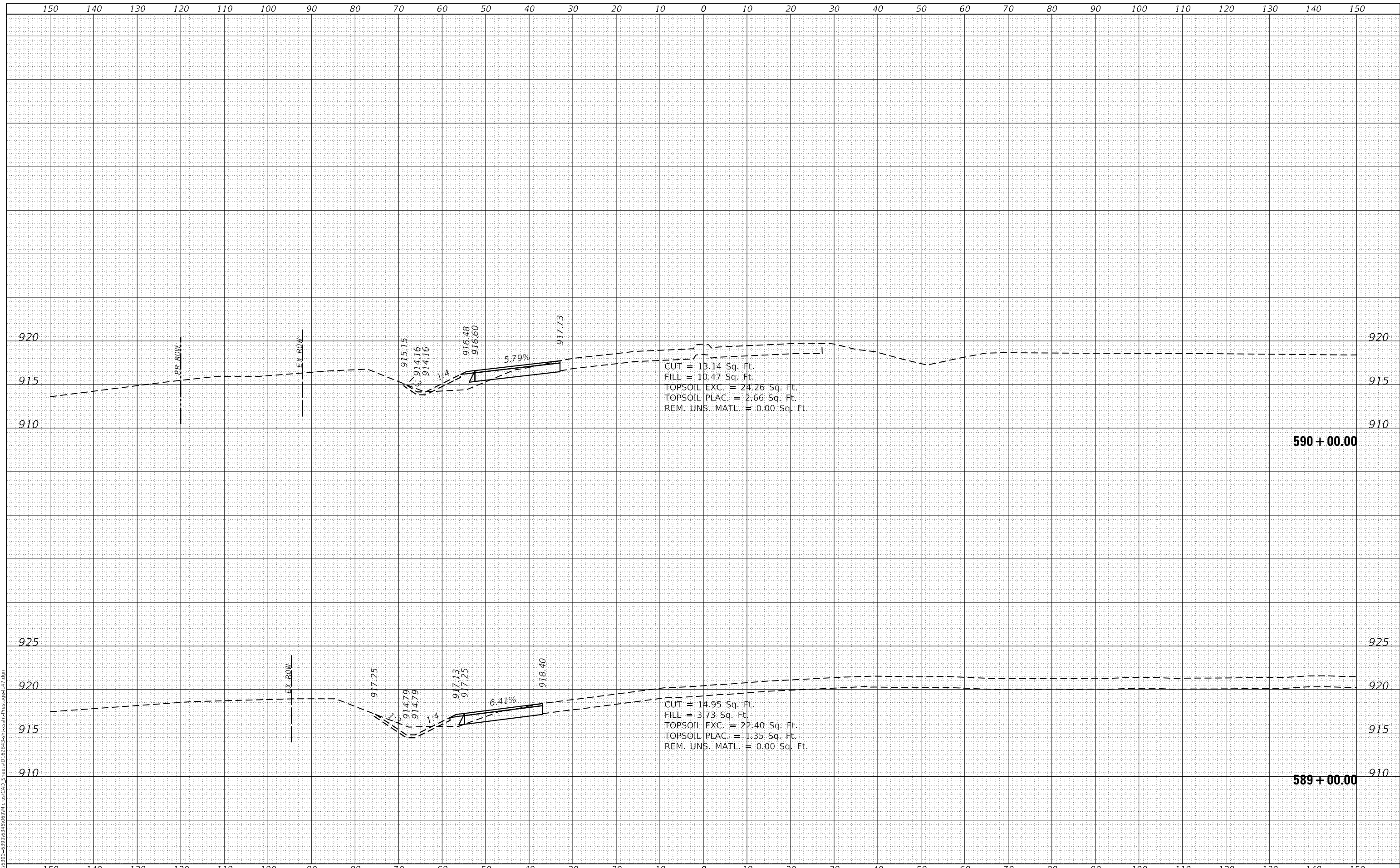
SCALE: 10H 5V SHEET 10 OF 39 SHEETS STA. 587+00.00 TO STA. 588+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	639
			CONTRACT NO. 62B43	
ILLINOIS FED. AID PROJECT				

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

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

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STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 12/18/2023	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47
 PRESTAGE CROSS SECTIONS**

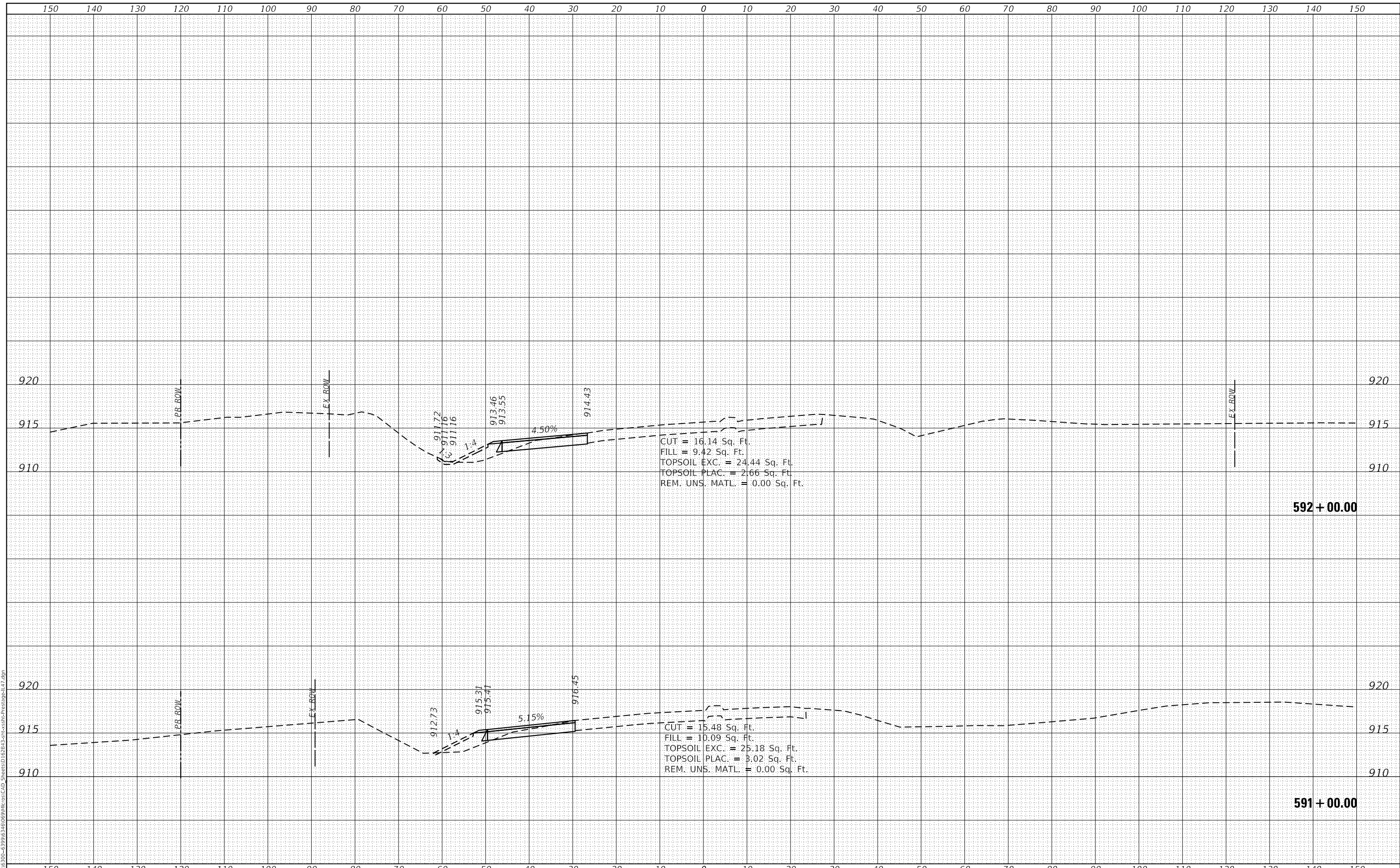
SCALE: 10H 5V SHEET 11 OF 39 SHEETS STA. 589+00.00 TO STA. 590+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	640
			CONTRACT NO. 62B43	
ILLINOIS			FED. AID PROJECT	

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

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

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STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 12/18/2023	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47
 PRESTAGE CROSS SECTIONS**

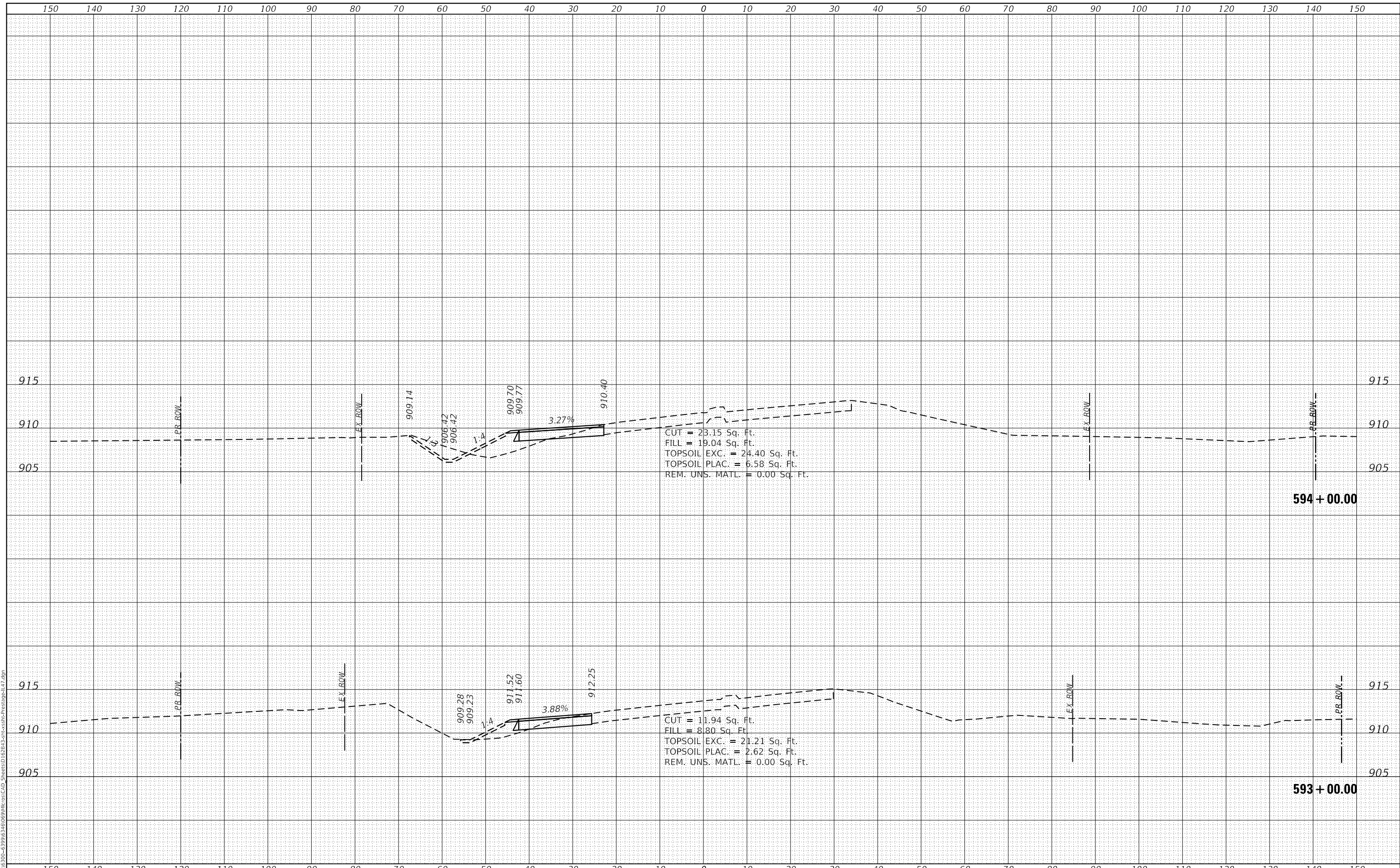
SCALE: 10H 5V SHEET 12 OF 39 SHEETS STA. 591+00.00 TO STA. 592+00.00

F.A.P. RTE. 326	SECTION 105-N-2(15)	COUNTY MCHENRY	TOTAL SHEETS 803	SHEET NO. 641
			CONTRACT NO. 62B43	
ILLINOIS FED. AID PROJECT				

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

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

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CUT = 23.15 Sq. Ft.
 FILL = 19.04 Sq. Ft.
 TOPSOIL EXC. = 24.40 Sq. Ft.
 TOPSOIL PLAC. = 6.58 Sq. Ft.
 REM. UNS. MATL. = 0.00 Sq. Ft.

CUT = 11.94 Sq. Ft.
 FILL = 8.80 Sq. Ft.
 TOPSOIL EXC. = 21.21 Sq. Ft.
 TOPSOIL PLAC. = 2.62 Sq. Ft.
 REM. UNS. MATL. = 0.00 Sq. Ft.



USER NAME = StevenB	DESIGNED - MAG	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - DJW	REVISED -
PLOT DATE = 12/18/2023	CHECKED - DWG	REVISED -
	DATE - 12/15/2023	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL ROUTE 47
 PRESTAGE CROSS SECTIONS

SCALE: 10H 5V SHEET 13 OF 39 SHEETS STA. 593+00.00 TO STA. 594+00.00

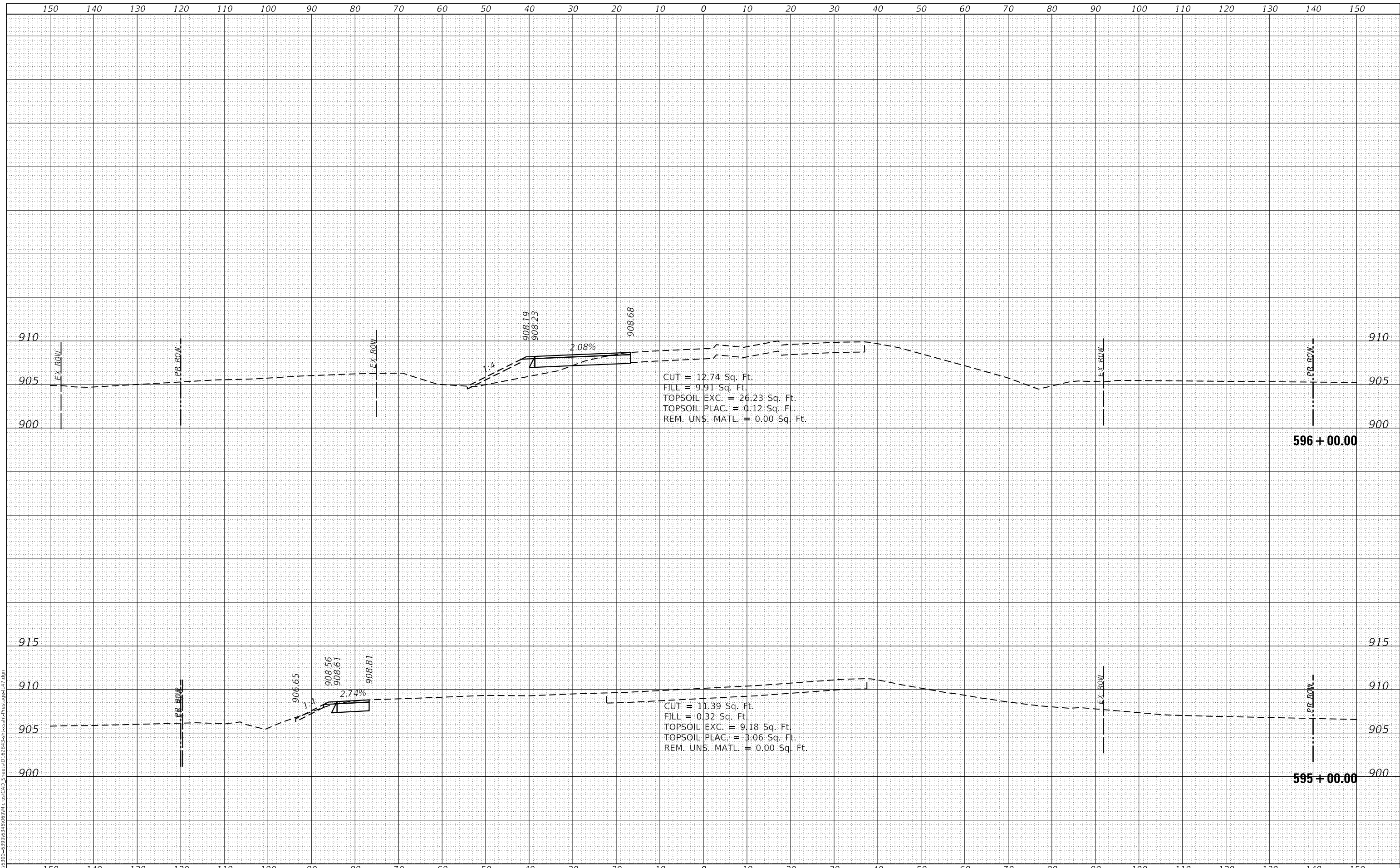
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	642
			CONTRACT NO. 62B43	

ILLINOIS FED. AID PROJECT

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

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

MODEL: Defaulr
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1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
STRAND ASSOCIATES*

USER NAME = StevenB	DESIGNED - MAG	REVISD -
	DRAWN - DJW	REVISD -
PLOT SCALE = 20.0000' / in.	CHECKED - DWG	REVISD -
PLOT DATE = 12/18/2023	DATE - 12/15/2023	REVISD -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47
 PRESTAGE CROSS SECTIONS**

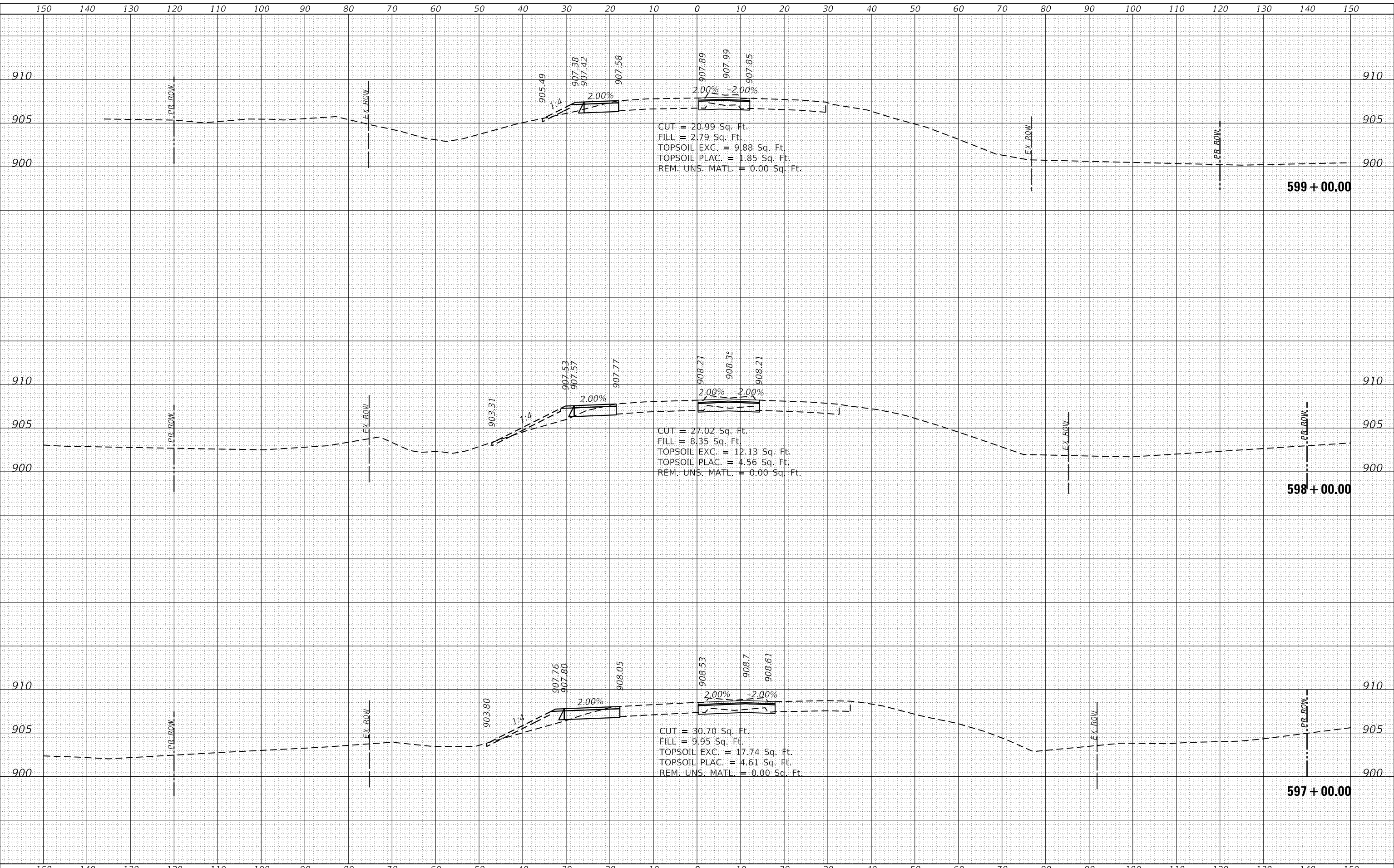
SCALE: 10H 5V SHEET 14 OF 39 SHEETS STA. 595+00.00 TO STA. 596+00.00

F.A.P. RTE. 326	SECTION 105-N-2(15)	COUNTY MCHENRY	TOTAL SHEETS 803	SHEET NO. 643
			CONTRACT NO. 62B43	
ILLINOIS FED. AID PROJECT				

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

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

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1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
STRAND ASSOCIATES

USER NAME	= StevenB
DESIGNED	- MAG
DRAWN	- DJW
CHECKED	- DWG
DATE	- 12/15/2023

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47
 PRESTAGE CROSS SECTIONS**

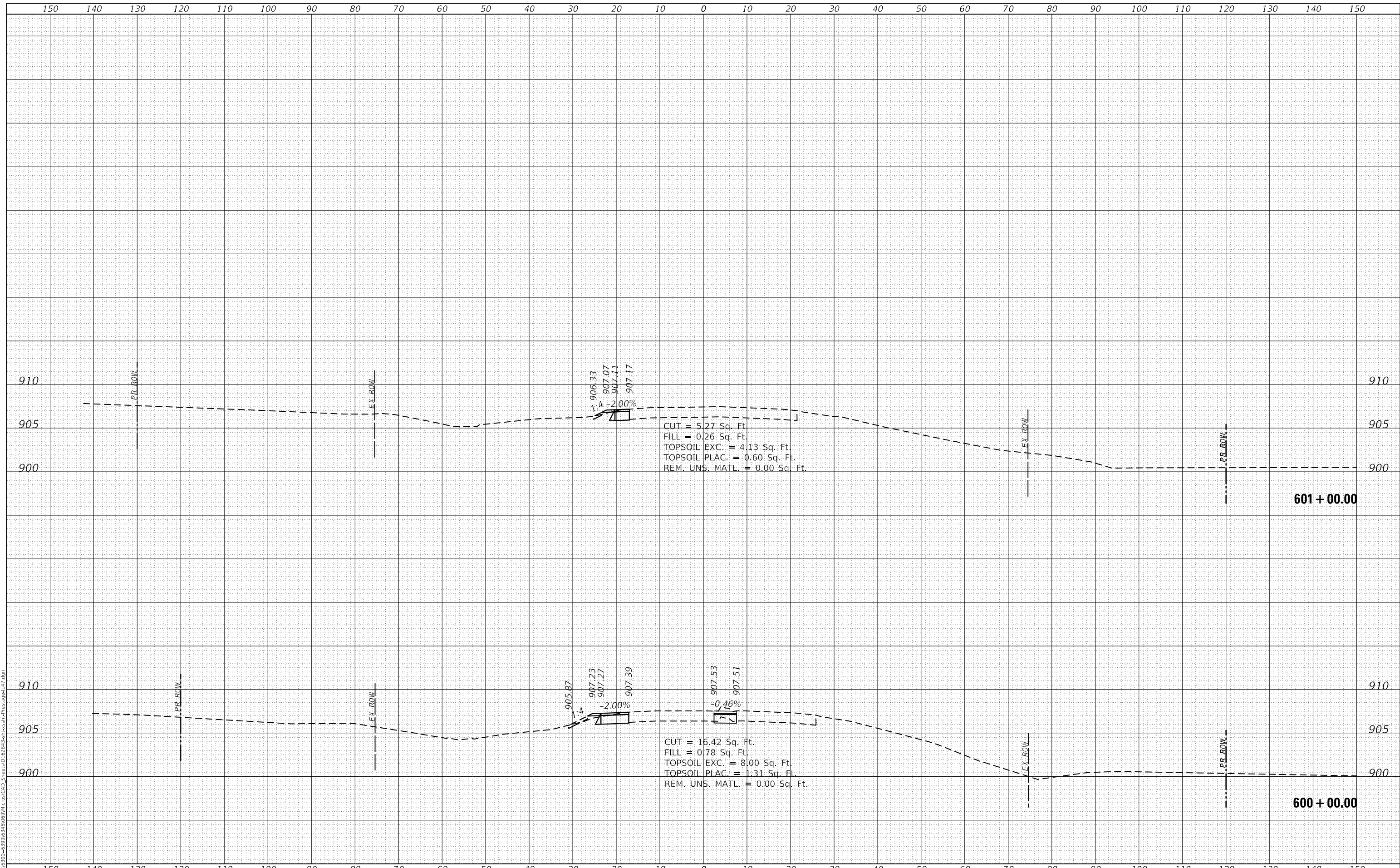
SCALE: 10H 5V SHEET 15 OF 39 SHEETS STA. 597+00.00 TO STA. 599+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	644
			CONTRACT NO. 62B43	
ILLINOIS FED. AID PROJECT				

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

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

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1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
STRAND ASSOCIATES*

USER NAME = StevenB	DESIGNED - MAG	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - DJW	REVISED -
PLOT DATE = 12/18/2023	CHECKED - DWG	REVISED -
	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

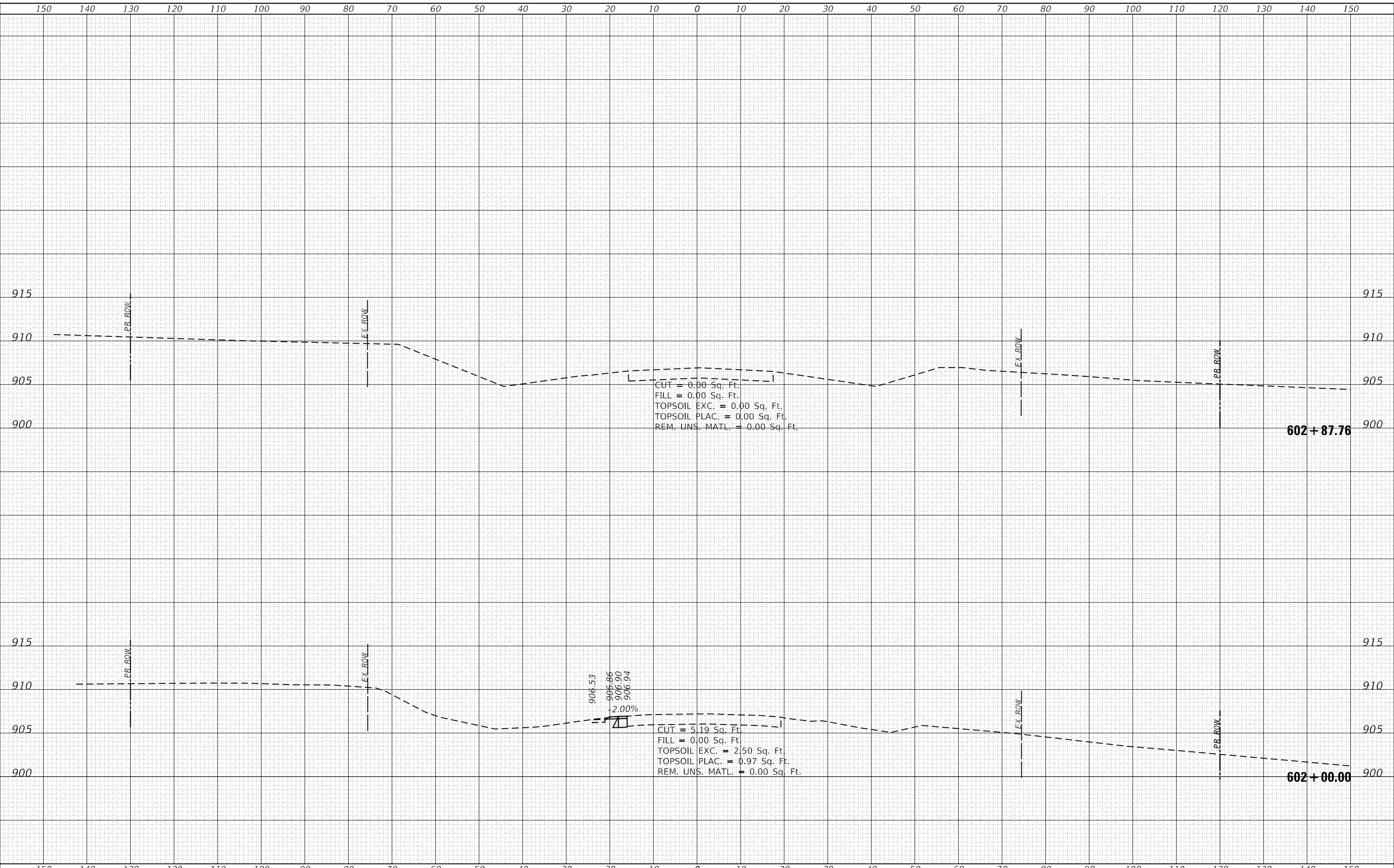
**IL ROUTE 47
 PRESTAGE CROSS SECTIONS**
 SCALE: 10H 5V SHEET 16 OF 39 SHEETS STA. 600+00.00 TO STA. 601+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	645
			CONTRACT NO. 62B43	
ILLINOIS FED. AID PROJECT				

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

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

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1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
STRAND ASSOCIATES

USER NAME = StevenB	DESIGNED - MAG	REVISIED -
PLOT SCALE = 20.0000' / in.	DRAWN - DJW	REVISIED -
PLOT DATE = 12/18/2023	CHECKED - DWG	REVISIED -
	DATE - 12/15/2023	REVISIED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

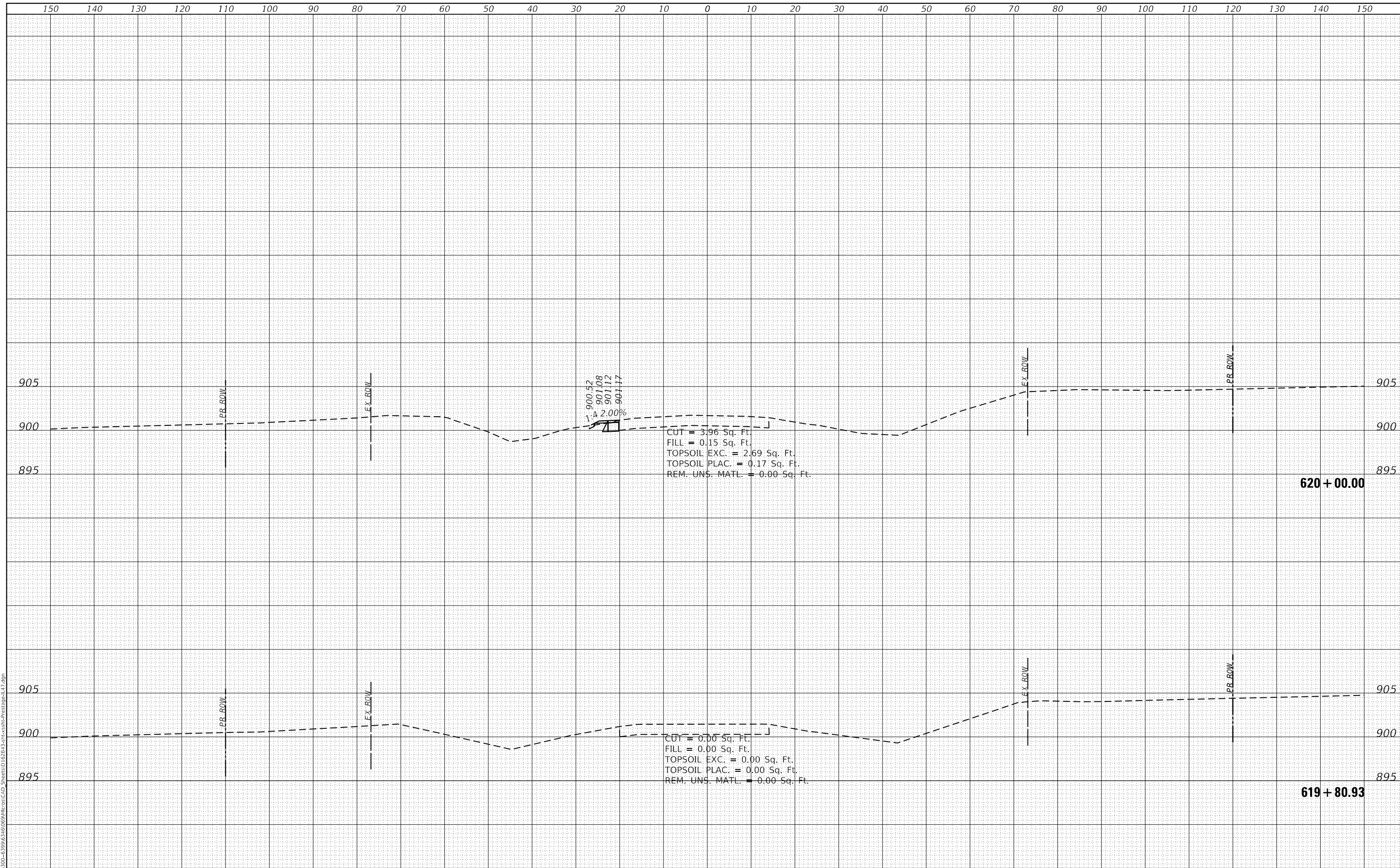
**IL ROUTE 47
 PRESTAGE CROSS SECTIONS**

SCALE: 10H 5V SHEET 17 OF 39 SHEETS STA. 602+00.00 TO STA. 602+87.76

F.A.P. RTE. 326	SECTION 105-N-2(15)	COUNTY MCHENRY	TOTAL SHEETS 803	SHEET NO. 646
			CONTRACT NO. 62B43	
			ILLINOIS FED. AID PROJECT	

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

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



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STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISIED -
	DRAWN - DJW	REVISIED -
PLOT SCALE = 20.0000' / in.	CHECKED - DWG	REVISIED -
PLOT DATE = 12/18/2023	DATE - 12/15/2023	REVISIED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47
 PRESTAGE CROSS SECTIONS**

SCALE: 10H 5V SHEET 18 OF 39 SHEETS STA. 619+80.93 TO STA. 620+00.00

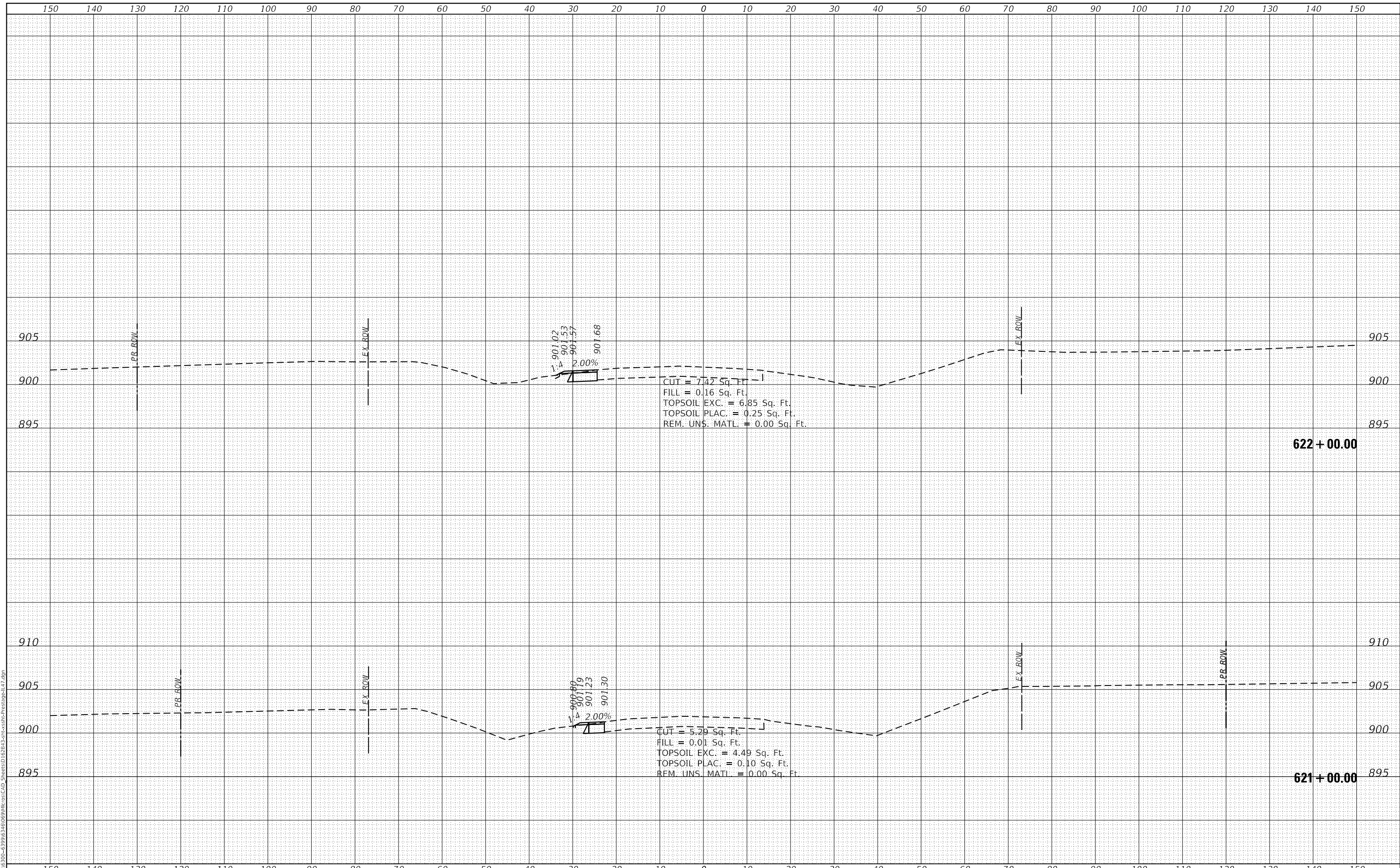
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	647
			CONTRACT NO. 62B43	

ILLINOIS FED. AID PROJECT

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

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

MODEL: Defaulr
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STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISD -
	DRAWN - DJW	REVISD -
PLOT SCALE = 20.0000' / in.	CHECKED - DWG	REVISD -
PLOT DATE = 12/18/2023	DATE - 12/15/2023	REVISD -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47
 PRESTAGE CROSS SECTIONS**

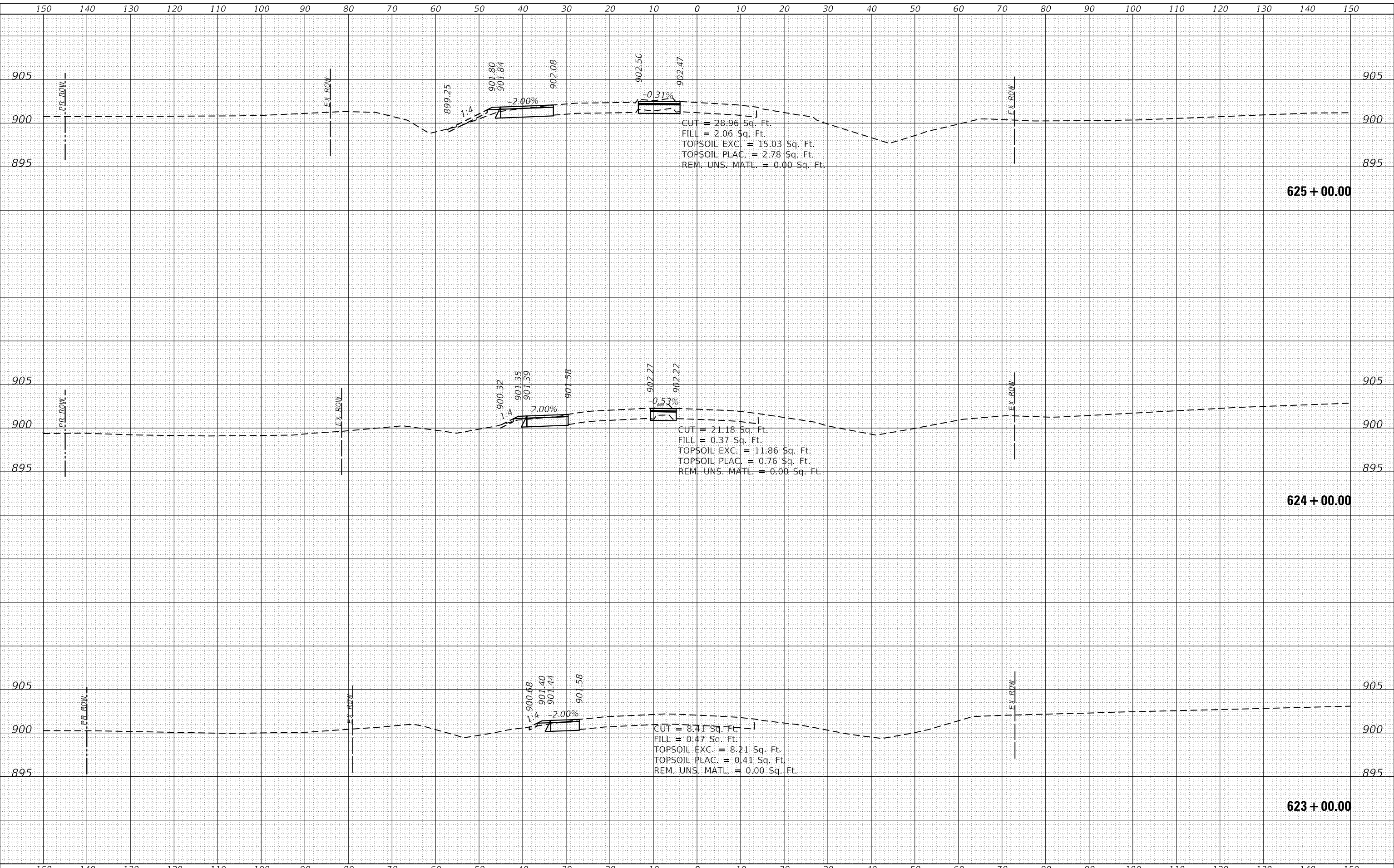
SCALE: 10H 5V SHEET 19 OF 39 SHEETS STA. 621+00.00 TO STA. 622+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	648
			CONTRACT NO. 62B43	
			ILLINOIS FED. AID PROJECT	

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

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

MODEL: Defaulr
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1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
STRAND ASSOCIATES*

USER NAME = StevenB	DESIGNED - MAG	REVISD -
	DRAWN - DJW	REVISD -
PLOT SCALE = 20.0000' / in.	CHECKED - DWG	REVISD -
PLOT DATE = 12/18/2023	DATE - 12/15/2023	REVISD -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47
 PRESTAGE CROSS SECTIONS**

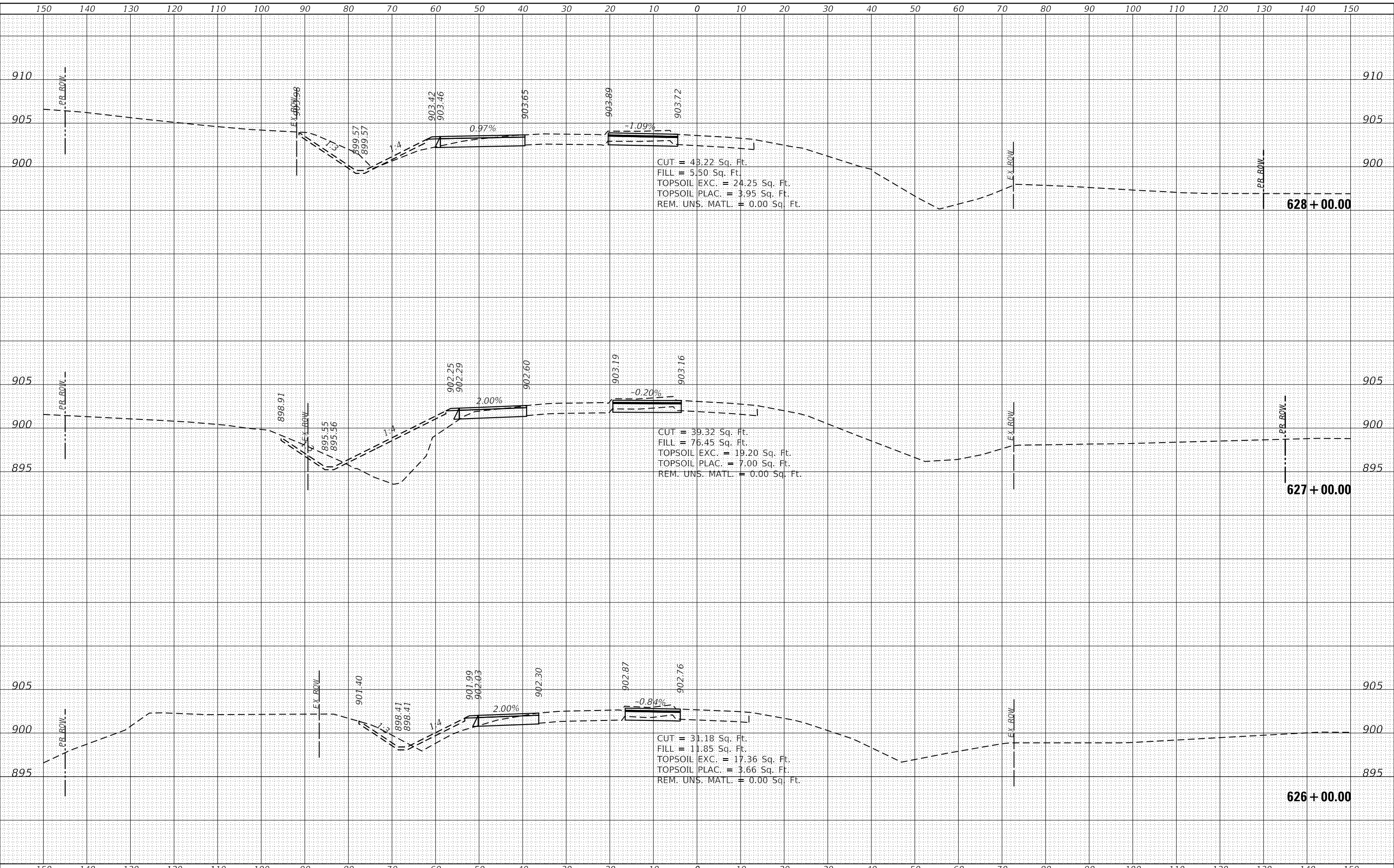
SCALE: 10H 5V SHEET 20 OF 39 SHEETS STA. 623+00.00 TO STA. 625+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	649
			CONTRACT NO. 62B43	
			ILLINOIS FED. AID PROJECT	

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

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

MODEL: Defaulr
FILE NAME: S:\01\6300-6399\6346\69\MI\csc\CAD_Sheets\62B43-3-105-N-2-15-11.dgn



CUT = 43.22 Sq. Ft.
FILL = 5.50 Sq. Ft.
TOPSOIL EXC. = 24.25 Sq. Ft.
TOPSOIL PLAC. = 3.95 Sq. Ft.
REM. UNS. MATL. = 0.00 Sq. Ft.

CUT = 39.32 Sq. Ft.
FILL = 76.45 Sq. Ft.
TOPSOIL EXC. = 19.20 Sq. Ft.
TOPSOIL PLAC. = 7.00 Sq. Ft.
REM. UNS. MATL. = 0.00 Sq. Ft.

CUT = 31.18 Sq. Ft.
FILL = 11.85 Sq. Ft.
TOPSOIL EXC. = 17.36 Sq. Ft.
TOPSOIL PLAC. = 3.66 Sq. Ft.
REM. UNS. MATL. = 0.00 Sq. Ft.

STRAND ASSOCIATES*
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - DJW	REVISED -
PLOT DATE = 12/18/2023	CHECKED - DWG	REVISED -
	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

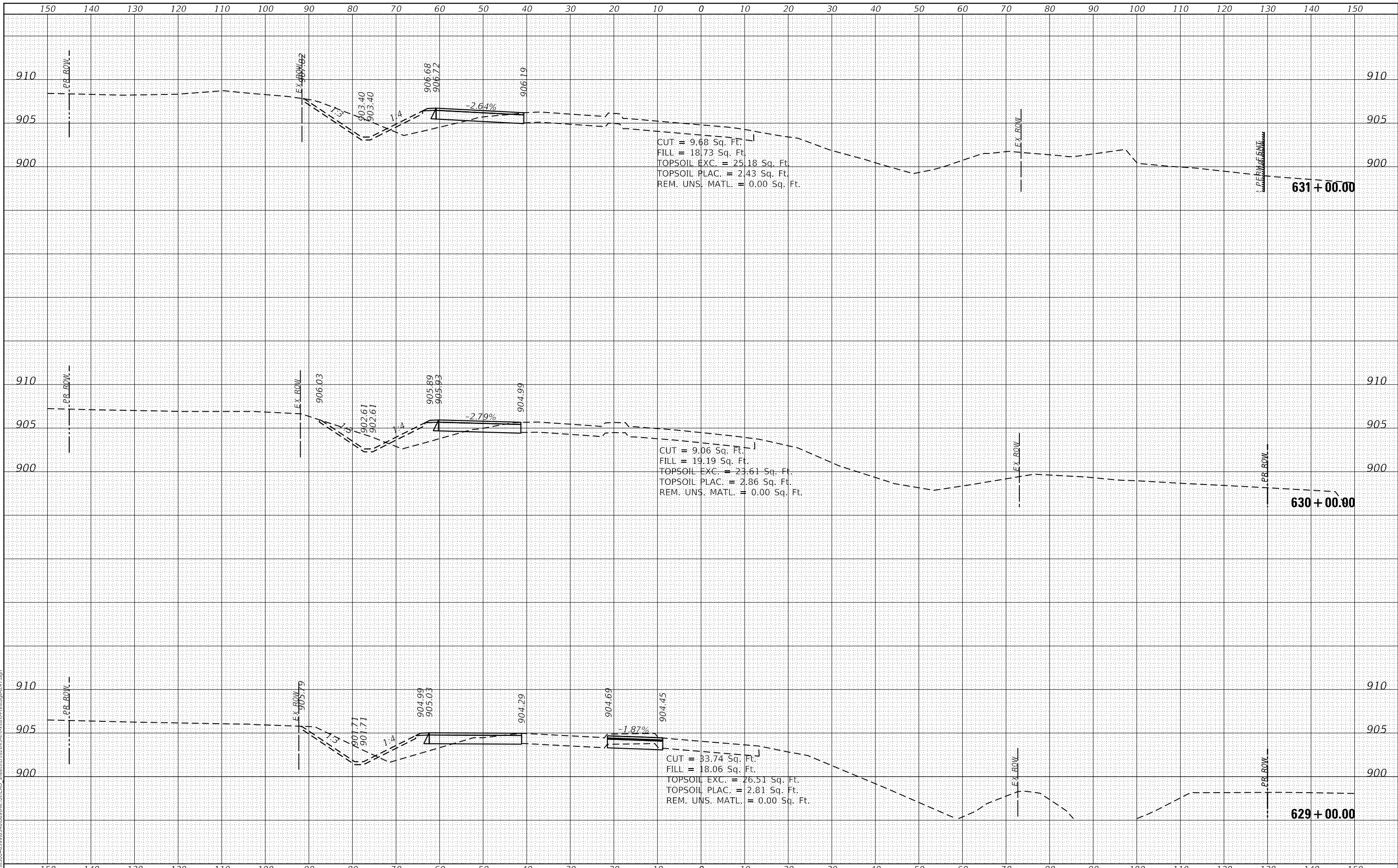
**IL ROUTE 47
PRESTAGE CROSS SECTIONS**
SCALE: 10H 5V SHEET 21 OF 39 SHEETS STA. 626+00.00 TO STA. 628+00.00

F.A.P. RTE. 326	SECTION 105-N-2(15)	COUNTY MCHENRY	TOTAL SHEETS 803	SHEET NO. 650
				CONTRACT NO. 62B43
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Defaulr
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CUT = 9.68 Sq. Ft.
 FILL = 18.73 Sq. Ft.
 TOPSOIL EXC. = 25.18 Sq. Ft.
 TOPSOIL PLAC. = 2.43 Sq. Ft.
 REM. UNS. MATL. = 0.00 Sq. Ft.

CUT = 9.06 Sq. Ft.
 FILL = 19.19 Sq. Ft.
 TOPSOIL EXC. = 23.61 Sq. Ft.
 TOPSOIL PLAC. = 2.86 Sq. Ft.
 REM. UNS. MATL. = 0.00 Sq. Ft.

CUT = 33.74 Sq. Ft.
 FILL = 18.06 Sq. Ft.
 TOPSOIL EXC. = 26.51 Sq. Ft.
 TOPSOIL PLAC. = 2.81 Sq. Ft.
 REM. UNS. MATL. = 0.00 Sq. Ft.

STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 12/18/2023	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

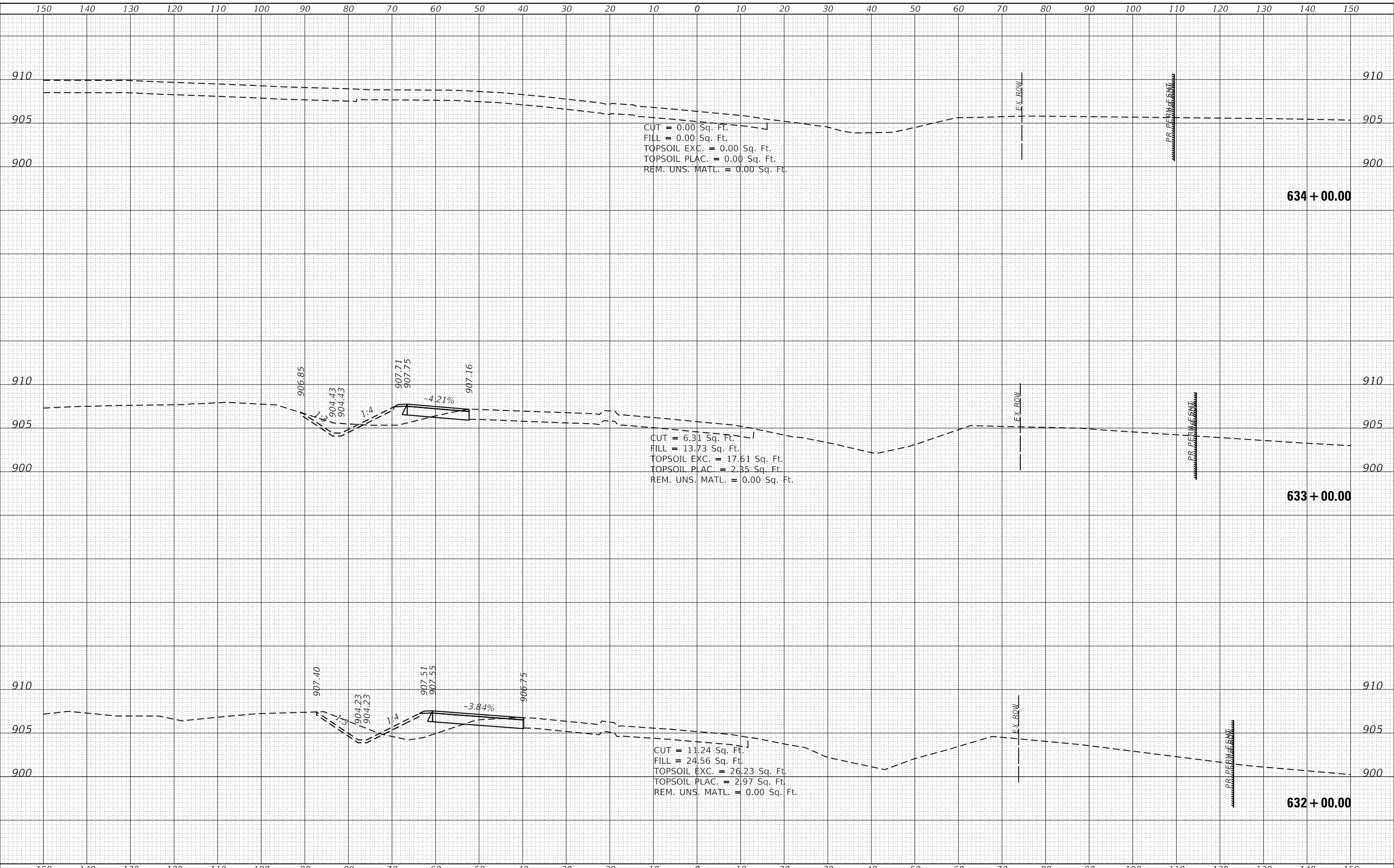
**IL ROUTE 47
 PRESTAGE CROSS SECTIONS**
 SCALE: 10H 5V SHEET 22 OF 39 SHEETS STA. 629+00.00 TO STA. 631+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	651
			CONTRACT NO. 62B43	
		ILLINOIS	FED. AID PROJECT	

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

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

MODEL: Defaulr
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1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
STRAND ASSOCIATES*

USER NAME = StevenB	DESIGNED - MAG	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - DJW	REVISED -
PLOT DATE = 12/18/2023	CHECKED - DWG	REVISED -
	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47
 PRESTAGE CROSS SECTIONS**

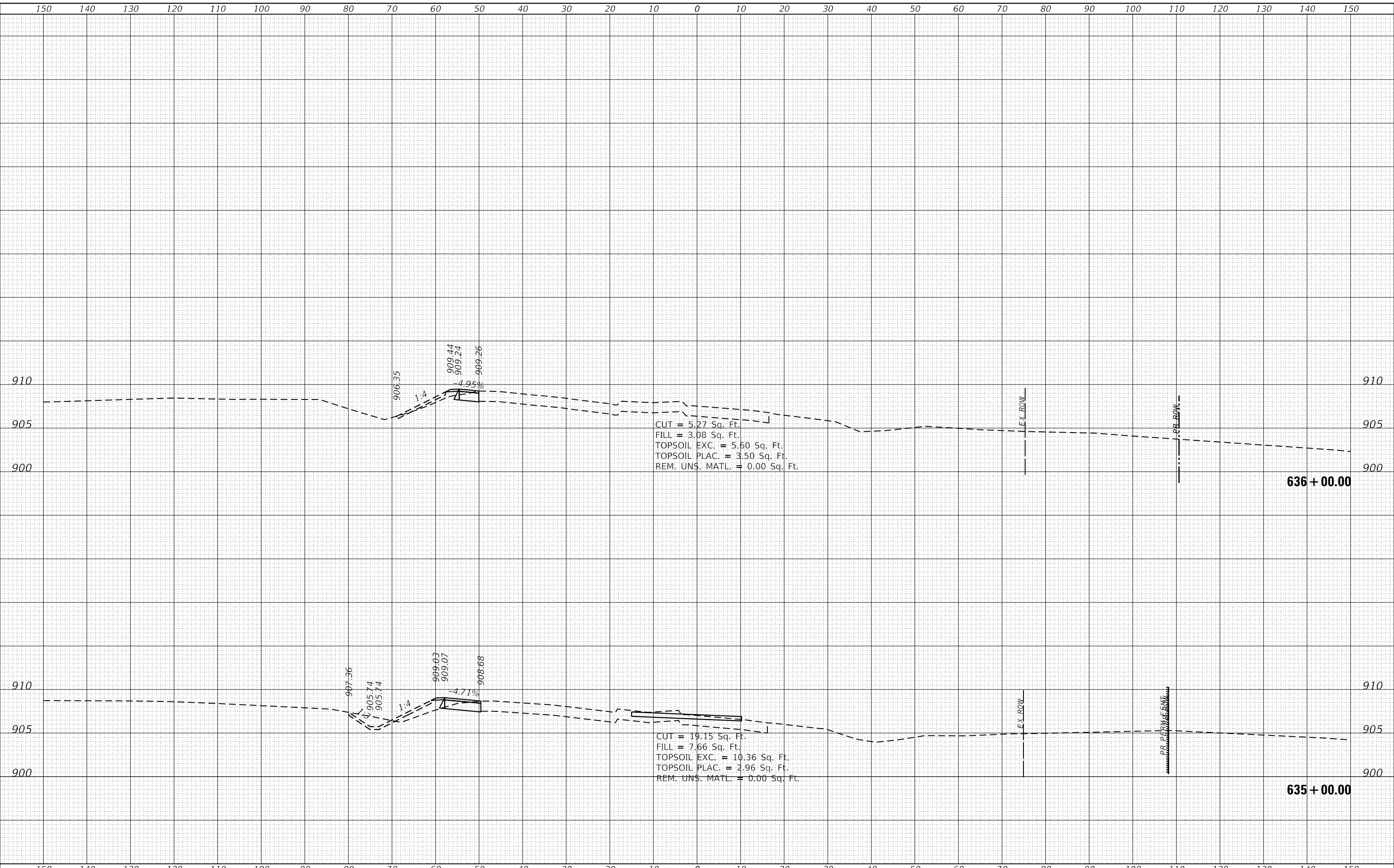
SCALE: 10H 5V SHEET 23 OF 39 SHEETS STA. 632+00.00 TO STA. 634+00.00

F.A.P. RTE. 326	SECTION 105-N-2(15)	COUNTY MCHENRY	TOTAL SHEETS 803	SHEET NO. 652
			CONTRACT NO. 62B43	
ILLINOIS FED. AID PROJECT				

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

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

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1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
STRAND ASSOCIATES*

USER NAME = StevenB	DESIGNED - MAG	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 12/18/2023	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47
 PRESTAGE CROSS SECTIONS**

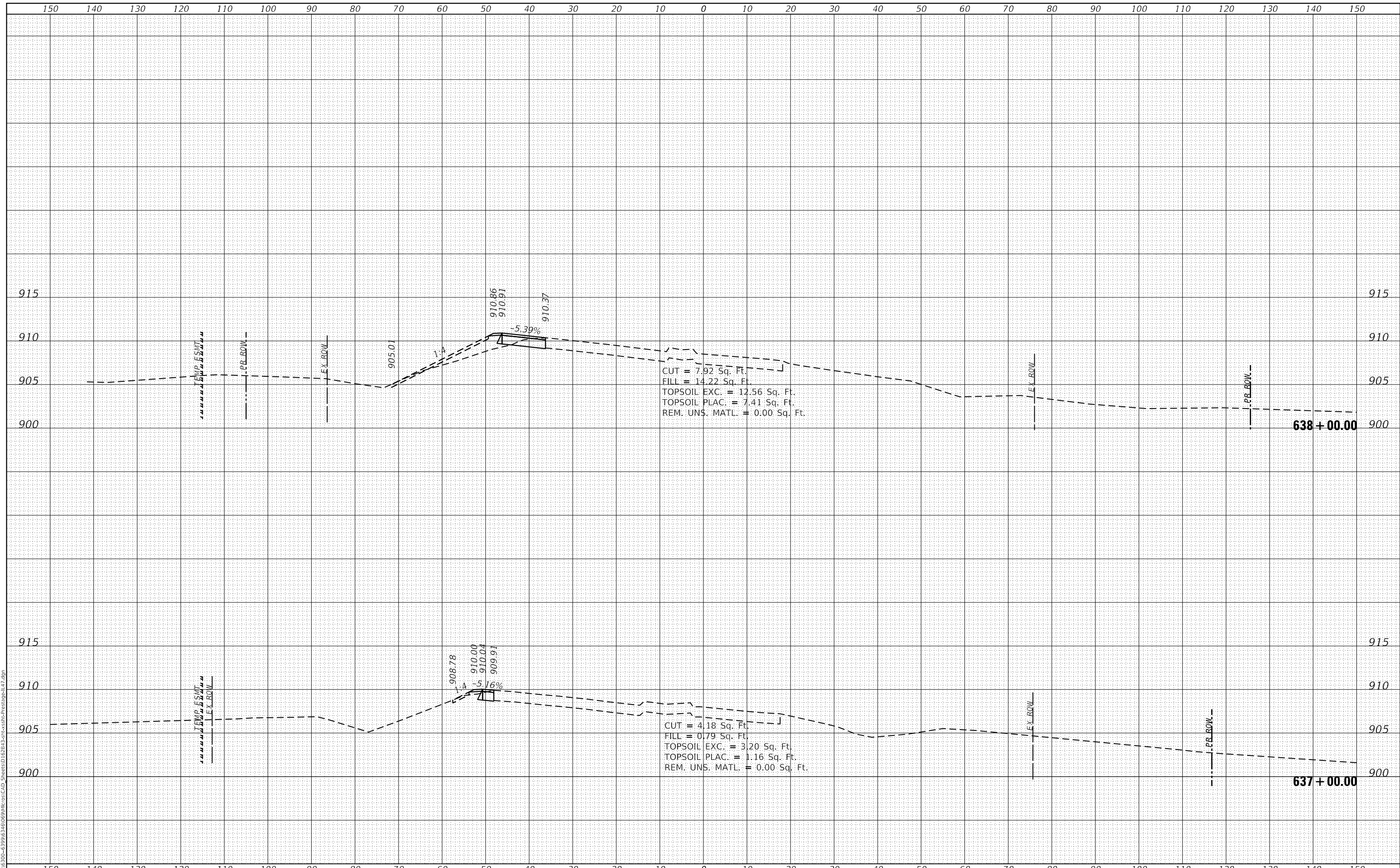
SCALE: 10H 5V SHEET 24 OF 39 SHEETS STA. 635+00.00 TO STA. 636+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	653
			CONTRACT NO. 62B43	
			ILLINOIS FED. AID PROJECT	

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

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

MODEL: Defaulr
 FILE NAME: S:\01\6300-6399\6346\069\1105\CAD_Sheets\162B43-105-N-2(Prestage)IL7.dgn



CUT = 7.92 Sq. Ft.
 FILL = 14.22 Sq. Ft.
 TOPSOIL EXC. = 12.56 Sq. Ft.
 TOPSOIL PLAC. = 7.41 Sq. Ft.
 REM. UNS. MATL. = 0.00 Sq. Ft.

CUT = 4.18 Sq. Ft.
 FILL = 0.79 Sq. Ft.
 TOPSOIL EXC. = 3.20 Sq. Ft.
 TOPSOIL PLAC. = 1.16 Sq. Ft.
 REM. UNS. MATL. = 0.00 Sq. Ft.

STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - DJW	REVISED -
PLOT DATE = 12/18/2023	CHECKED - DWG	REVISED -
	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

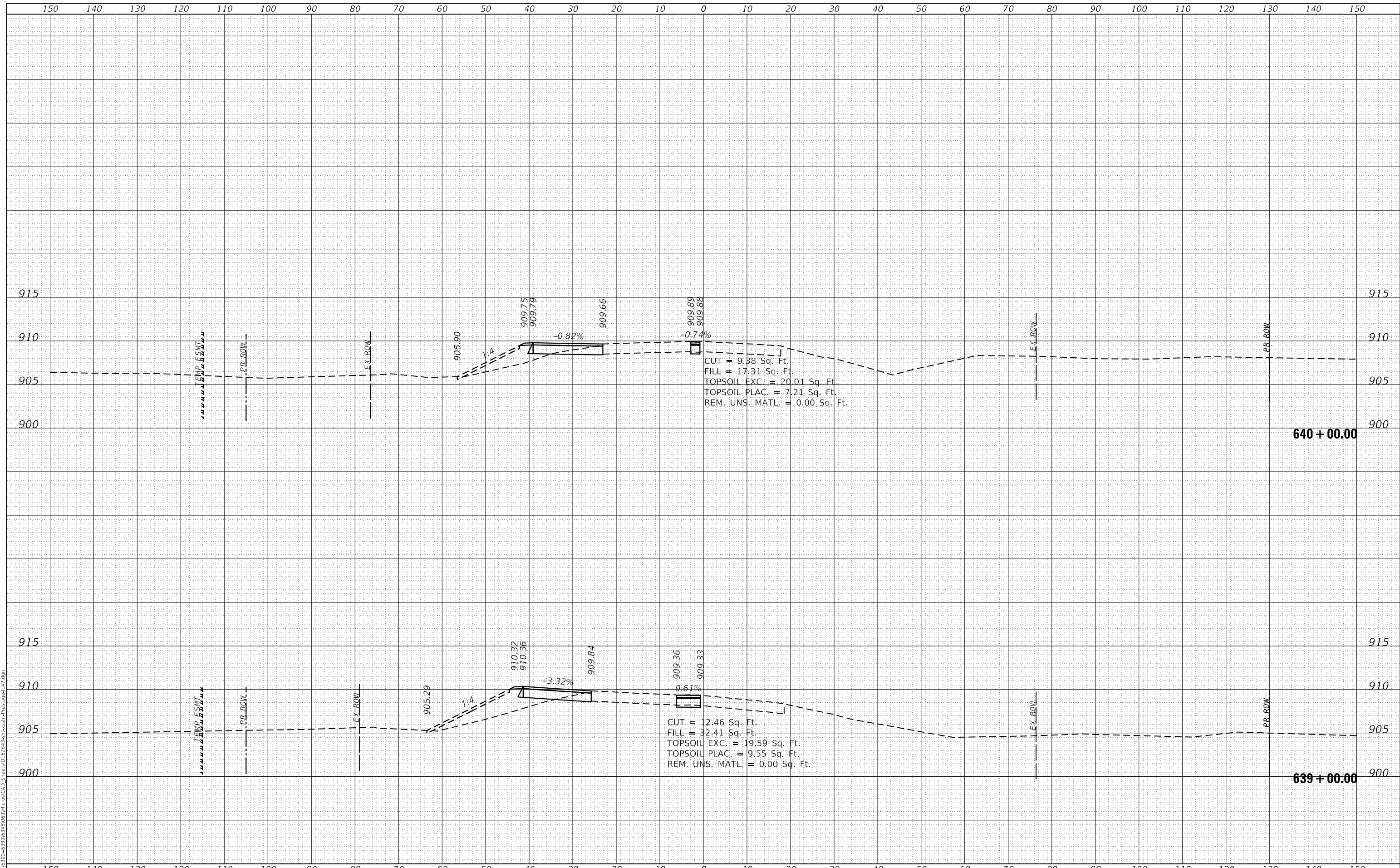
**IL ROUTE 47
 PRESTAGE CROSS SECTIONS**
 SCALE: 10H 5V SHEET 25 OF 39 SHEETS STA. 637+00.00 TO STA. 638+00.00

F.A.P. RTE. 326	SECTION 105-N-2(15)	COUNTY MCHENRY	TOTAL SHEETS 803	SHEET NO. 654
			CONTRACT NO. 62B43	
ILLINOIS FED. AID PROJECT				

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

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

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STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISD -
PLOT SCALE = 20.0000' / in.	DRAWN - DJW	REVISD -
PLOT DATE = 12/18/2023	CHECKED - DWG	REVISD -
	DATE - 12/15/2023	REVISD -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47
 PRESTAGE CROSS SECTIONS**

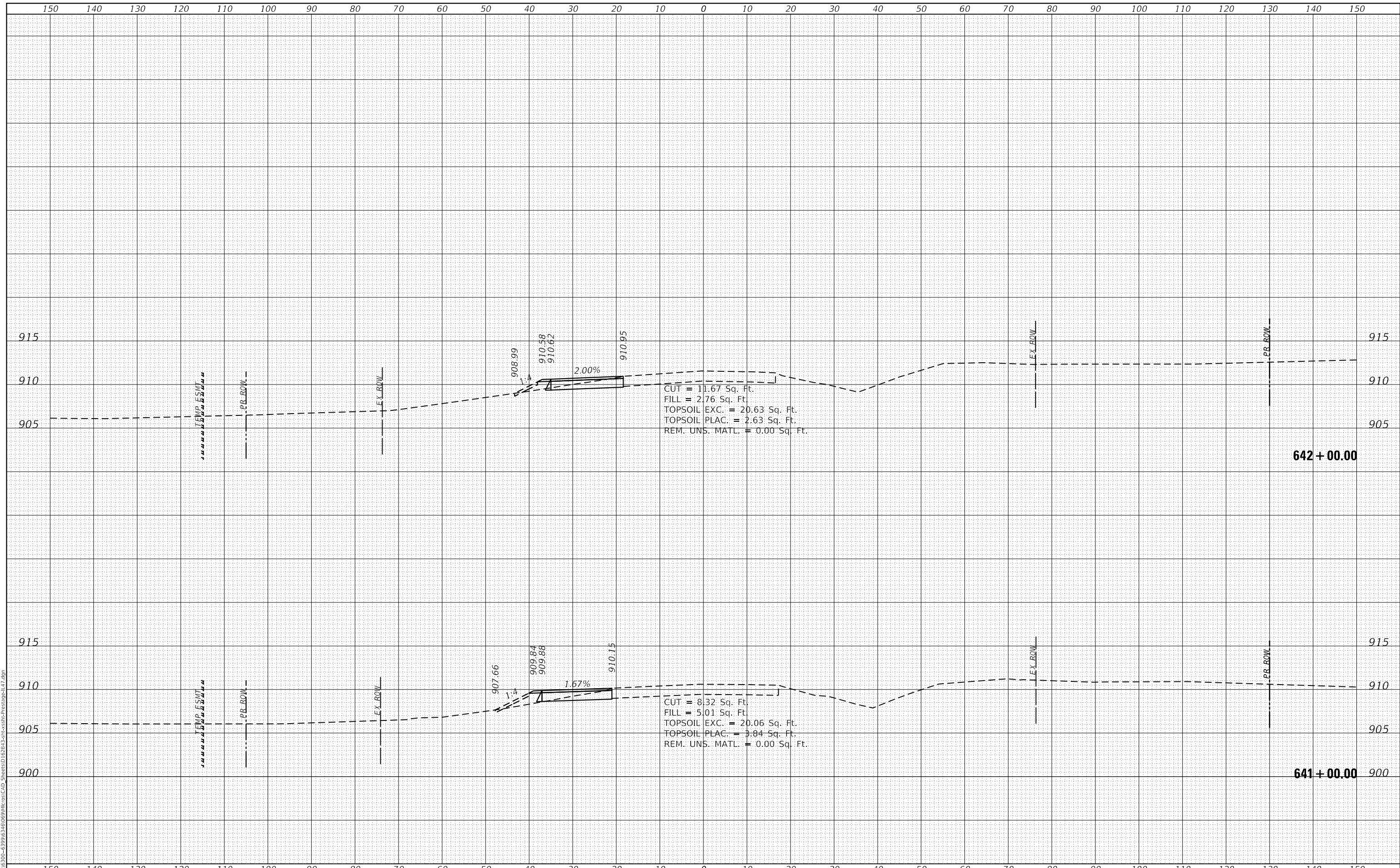
SCALE: 10H 5V SHEET 26 OF 39 SHEETS STA. 639+00.00 TO STA. 640+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	655
			CONTRACT NO. 62B43	
			ILLINOIS FED. AID PROJECT	

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

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

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STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REvised -
	DRAWN - DJW	REvised -
PLOT SCALE = 20.0000 ' / in.	CHECKED - DWG	REvised -
PLOT DATE = 12/18/2023	DATE - 12/15/2023	REvised -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47
 PRESTAGE CROSS SECTIONS**

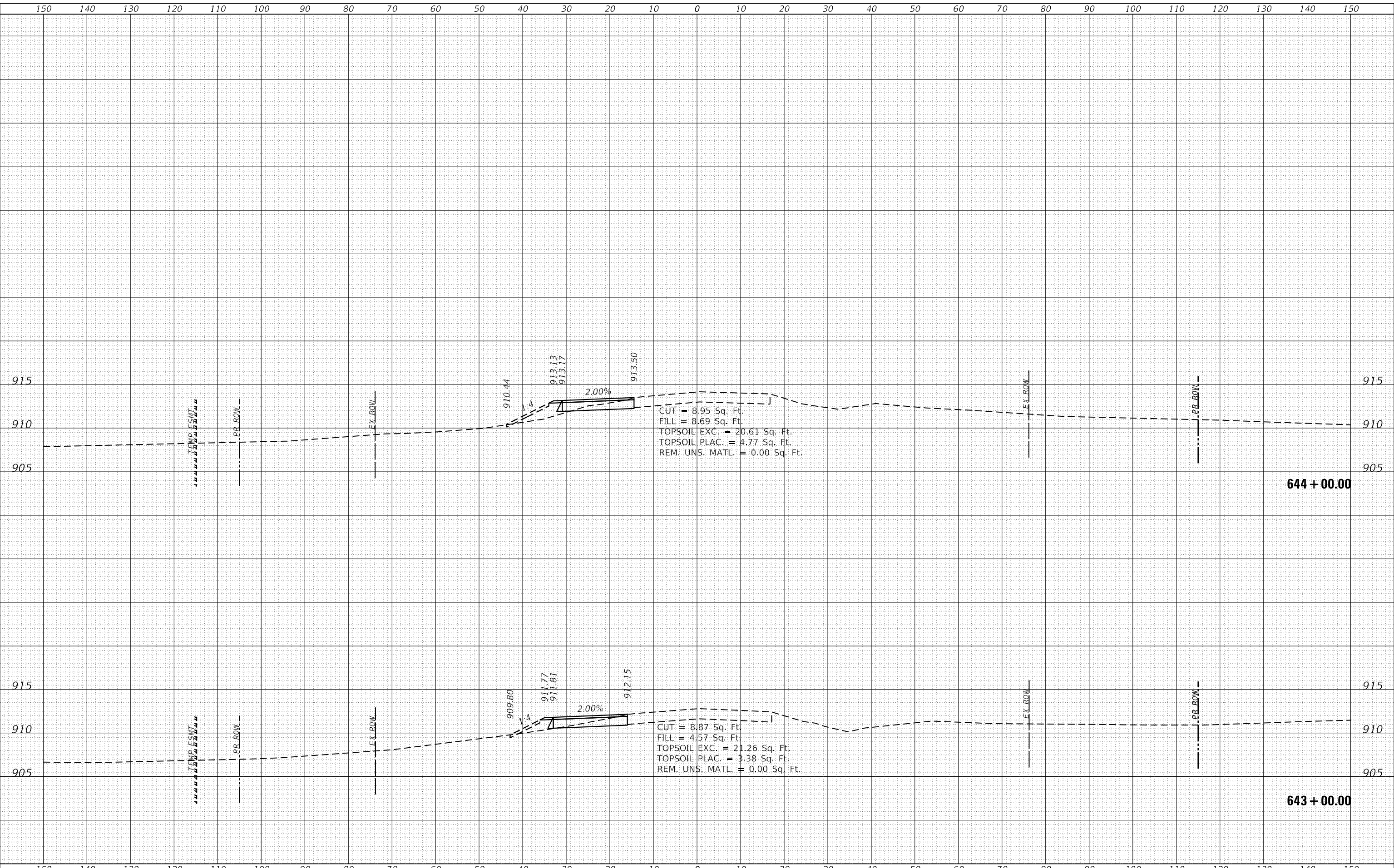
SCALE: 10H 5V SHEET 27 OF 39 SHEETS STA. 641+00.00 TO STA. 642+00.00

F.A.P. RTE. 326	SECTION 105-N-2(15)	COUNTY MCHENRY	TOTAL SHEETS 803	SHEET NO. 656
			CONTRACT NO. 62B43	
		ILLINOIS FED. AID PROJECT		

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

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

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STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - DJW	REVISED -
PLOT DATE = 12/18/2023	CHECKED - DWG	REVISED -
	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47
 PRESTAGE CROSS SECTIONS**

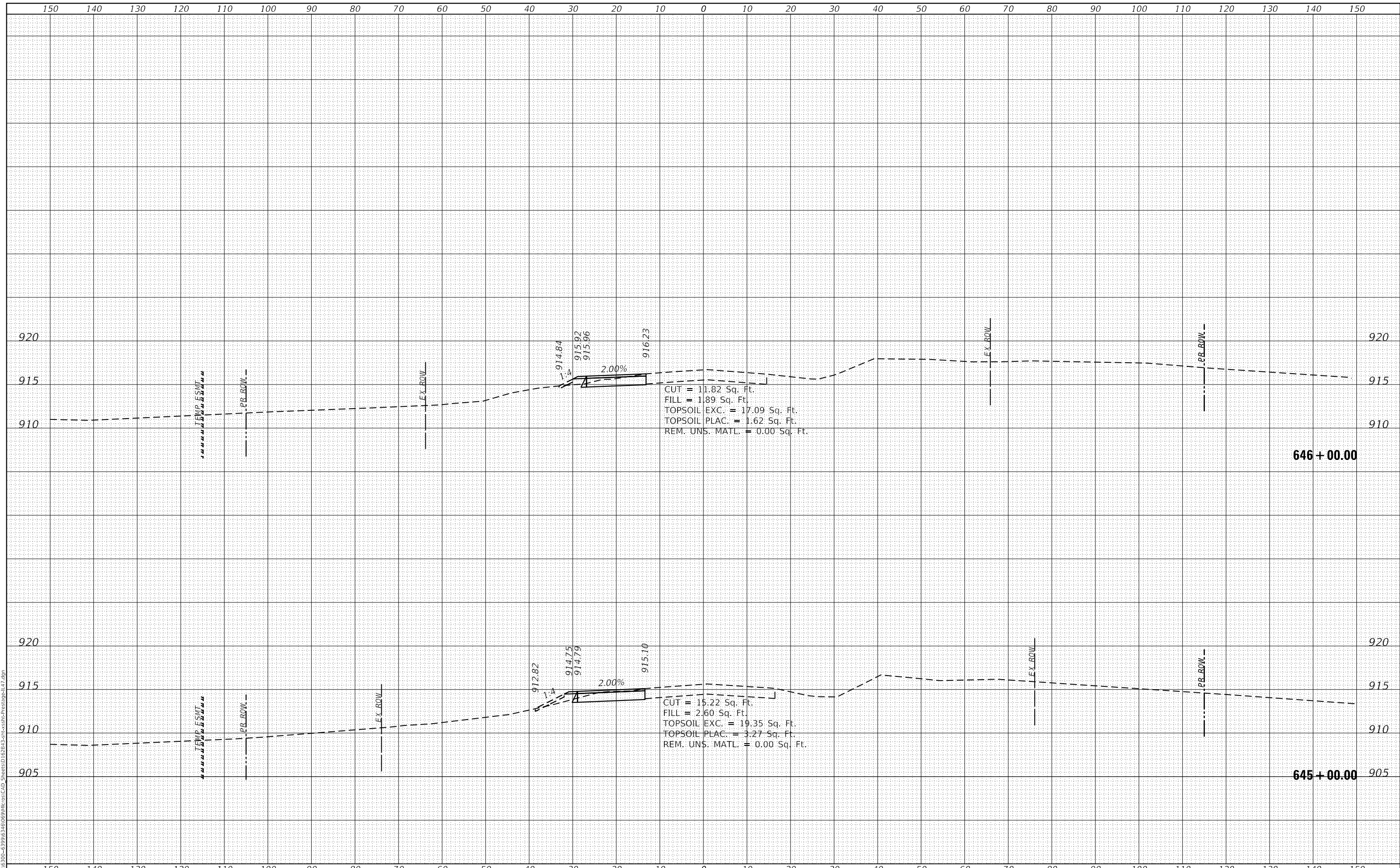
SCALE: 10H 5V SHEET 28 OF 39 SHEETS STA. 643+00.00 TO STA. 644+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	657
			CONTRACT NO. 62B43	
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Defaulr
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STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REvised -
PLOT SCALE = 20.0000' / in.	DRAWN - DJW	REvised -
PLOT DATE = 12/18/2023	CHECKED - DWG	REvised -
	DATE - 12/15/2023	REvised -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47
 PRESTAGE CROSS SECTIONS**

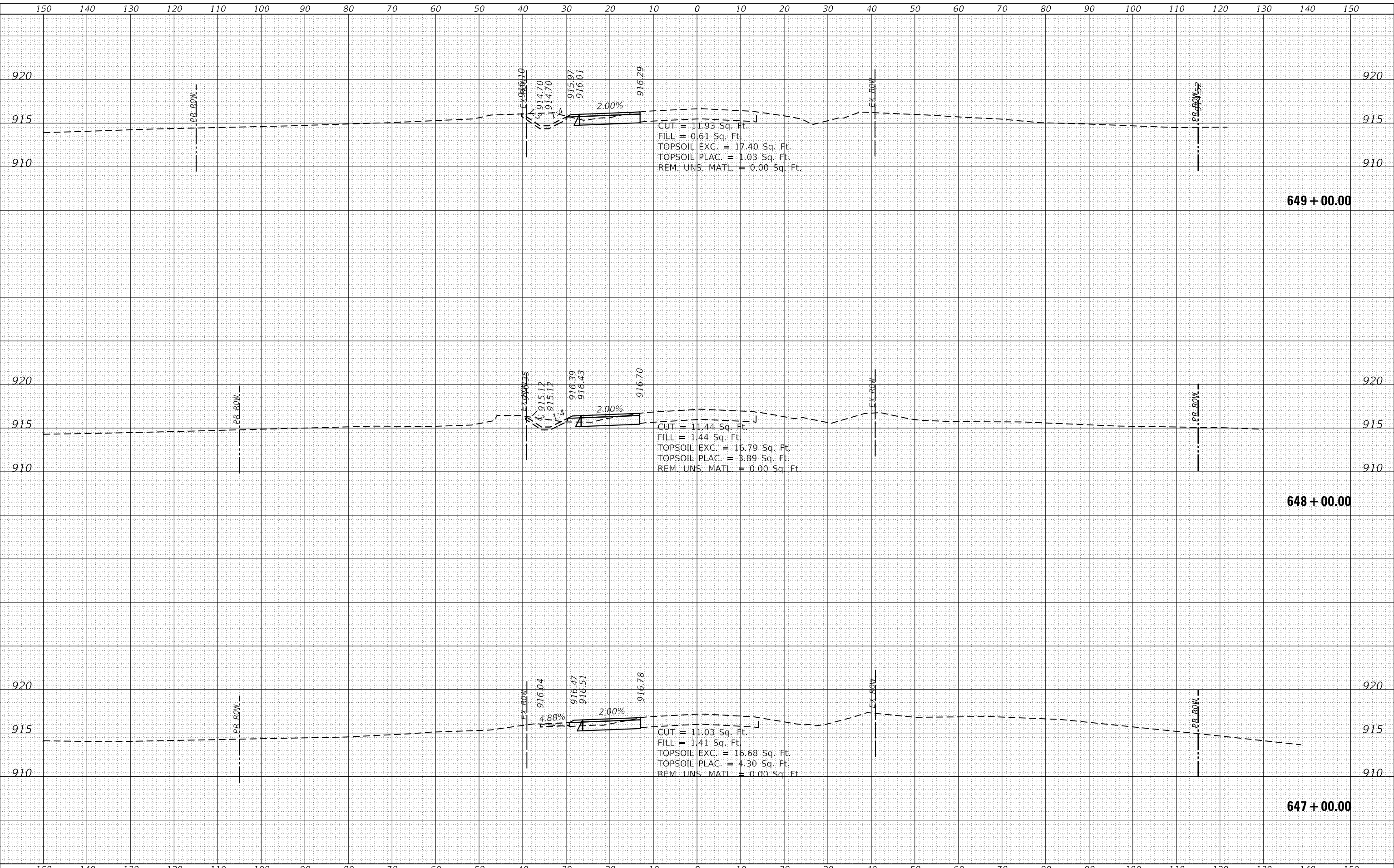
SCALE: 10H 5V SHEET 29 OF 39 SHEETS STA. 645+00.00 TO STA. 646+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	658
			CONTRACT NO. 62B43	
ILLINOIS FED. AID PROJECT				

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

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

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1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
STRAND ASSOCIATES

USER NAME	= StevenB
DESIGNED	- MAG
DRAWN	- DJW
CHECKED	- DWG
DATE	- 12/15/2023

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47
 PRESTAGE CROSS SECTIONS**

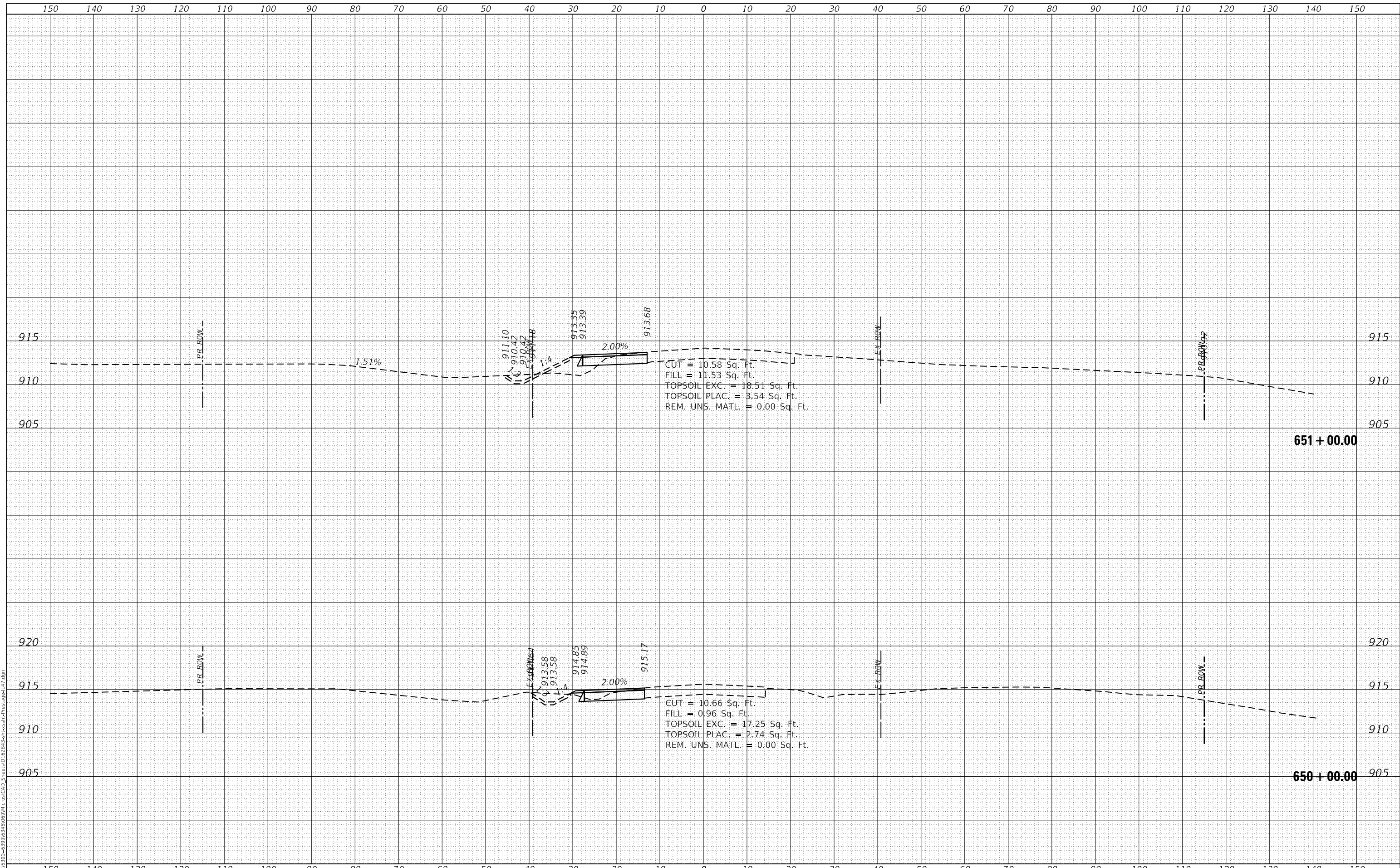
SCALE: 10H 5V SHEET 30 OF 39 SHEETS STA. 647+00.00 TO STA. 649+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	659
			CONTRACT NO. 62B43	
ILLINOIS FED. AID PROJECT				

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

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
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STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISD -
PLOT SCALE = 20.0000' / in.	DRAWN - DJW	REVISD -
PLOT DATE = 12/18/2023	CHECKED - DWG	REVISD -
	DATE - 12/15/2023	REVISD -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47
 PRESTAGE CROSS SECTIONS**

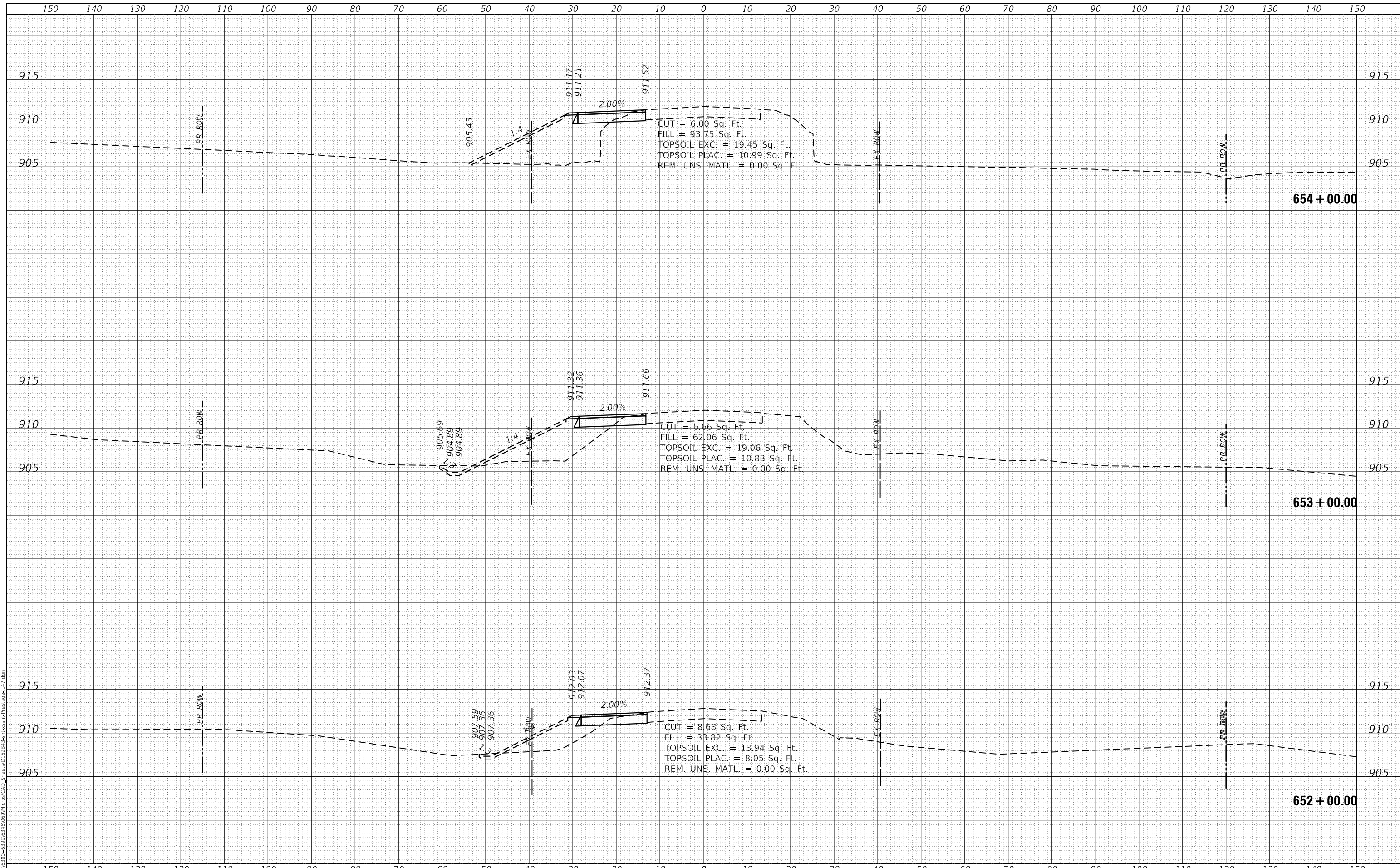
SCALE: 10H 5V SHEET 31 OF 39 SHEETS STA. 650+00.00 TO STA. 651+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	660
			CONTRACT NO. 62B43	
ILLINOIS FED. AID PROJECT				

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

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

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1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
STRAND ASSOCIATES*

USER NAME = StevenB	DESIGNED - MAG	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - DJW	REVISED -
PLOT DATE = 12/18/2023	CHECKED - DWG	REVISED -
	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

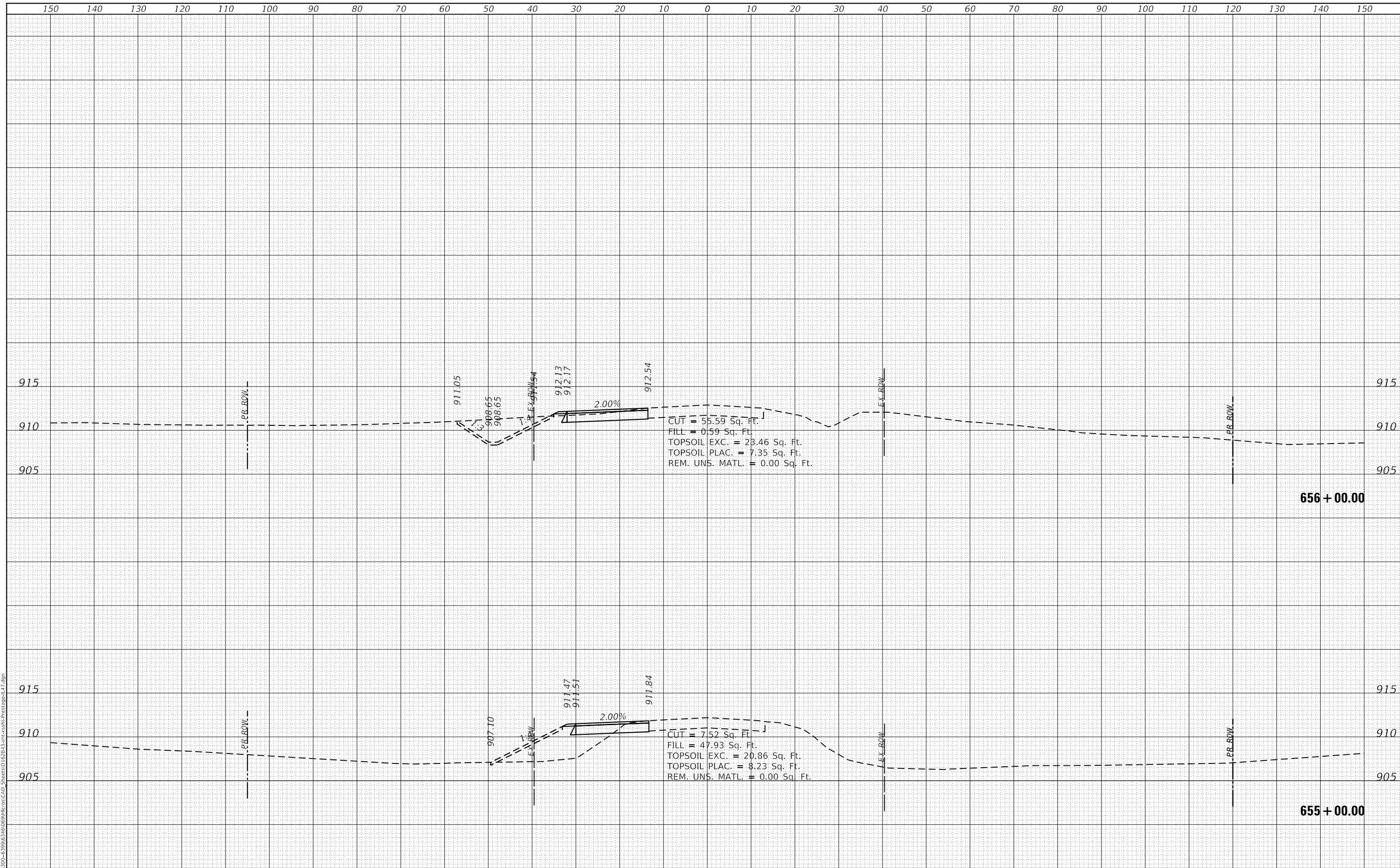
**IL ROUTE 47
 PRESTAGE CROSS SECTIONS**

SCALE: 10H 5V SHEET 32 OF 39 SHEETS STA. 652+00.00 TO STA. 654+00.00

F.A.P. RTE. 326	SECTION 105-N-2(15)	COUNTY MCHENRY	TOTAL SHEETS 803	SHEET NO. 661
			CONTRACT NO. 62B43	
ILLINOIS FED. AID PROJECT				

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

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



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STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REvised -
	DRAWN - DJW	REvised -
PLOT SCALE = 20.0000' / in.	CHECKED - DWG	REvised -
PLOT DATE = 12/18/2023	DATE - 12/15/2023	REvised -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47
 PRESTAGE CROSS SECTIONS**

SCALE: 10H 5V SHEET 33 OF 39 SHEETS STA. 655+00.00 TO STA. 656+00.00

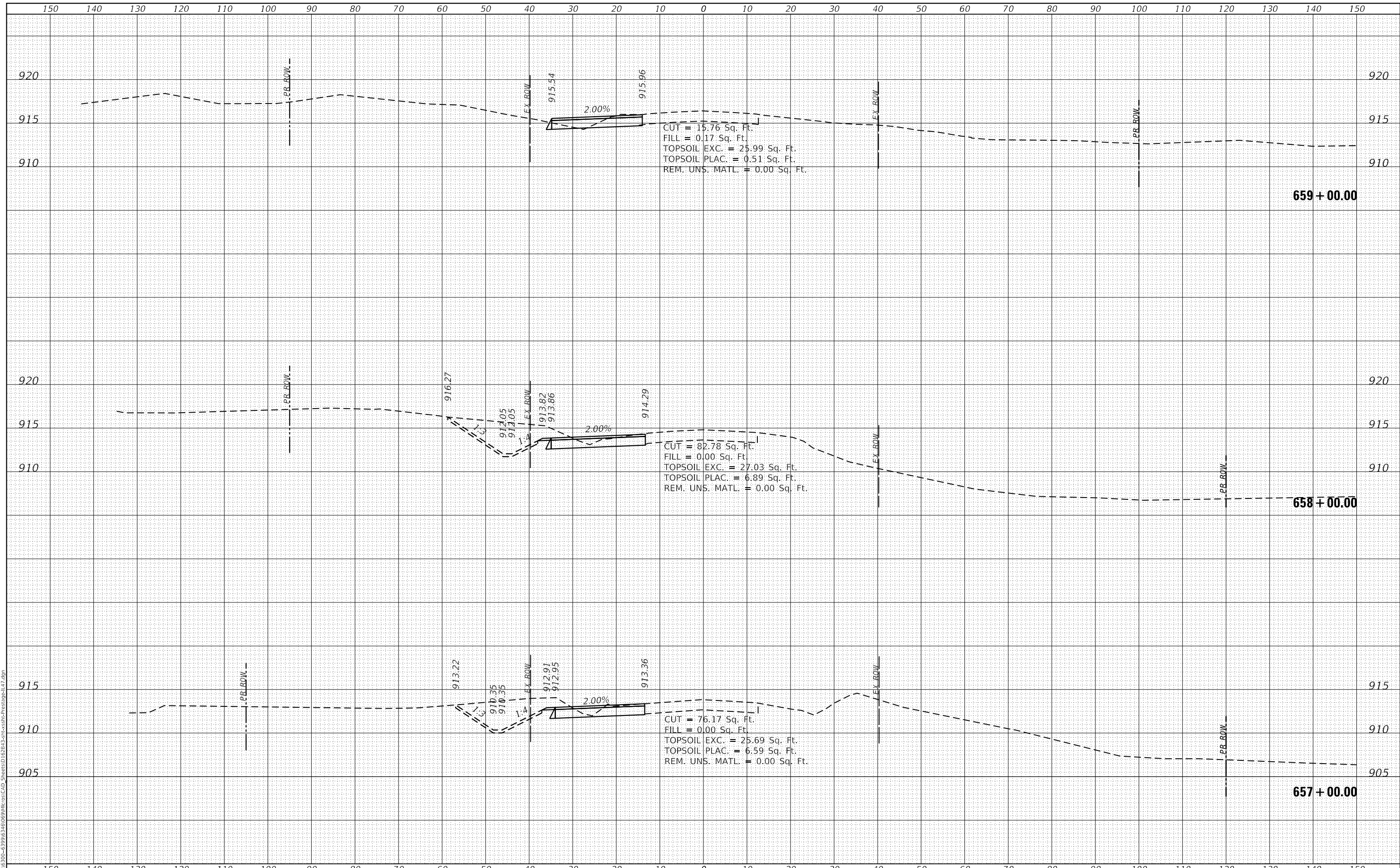
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	662
			CONTRACT NO. 62B43	

ILLINOIS FED. AID PROJECT

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

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

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STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - DJW	REVISED -
PLOT DATE = 12/18/2023	CHECKED - DWG	REVISED -
	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

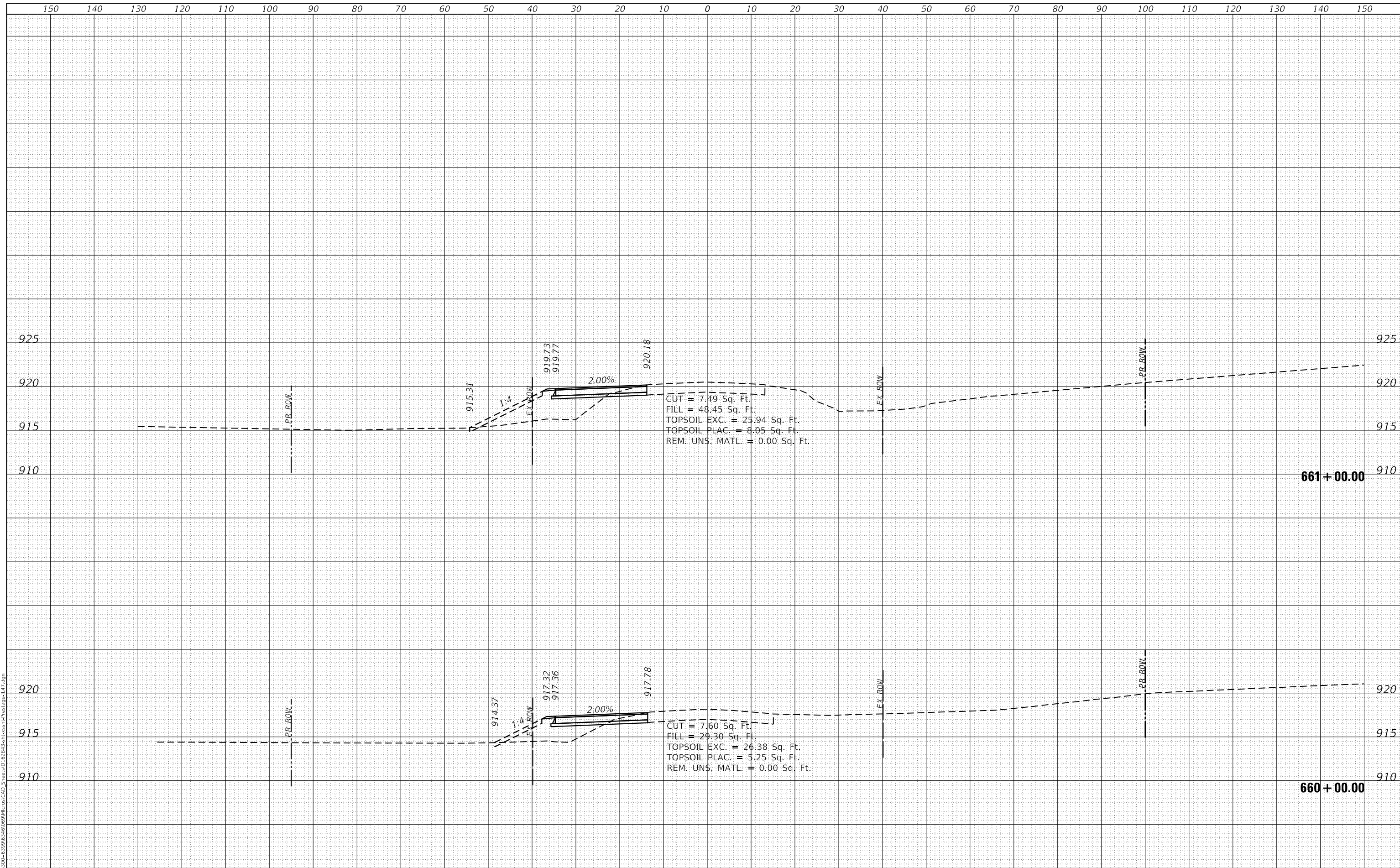
**IL ROUTE 47
 PRESTAGE CROSS SECTIONS**

SCALE: 10H 5V SHEET 34 OF 39 SHEETS STA. 657+00.00 TO STA. 659+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	663
			CONTRACT NO. 62B43	
		ILLINOIS FED. AID PROJECT		

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

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



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 STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISD -
	DRAWN - DJW	REVISD -
PLOT SCALE = 20.0000' / in.	CHECKED - DWG	REVISD -
PLOT DATE = 12/18/2023	DATE - 12/15/2023	REVISD -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47
 PRESTAGE CROSS SECTIONS**

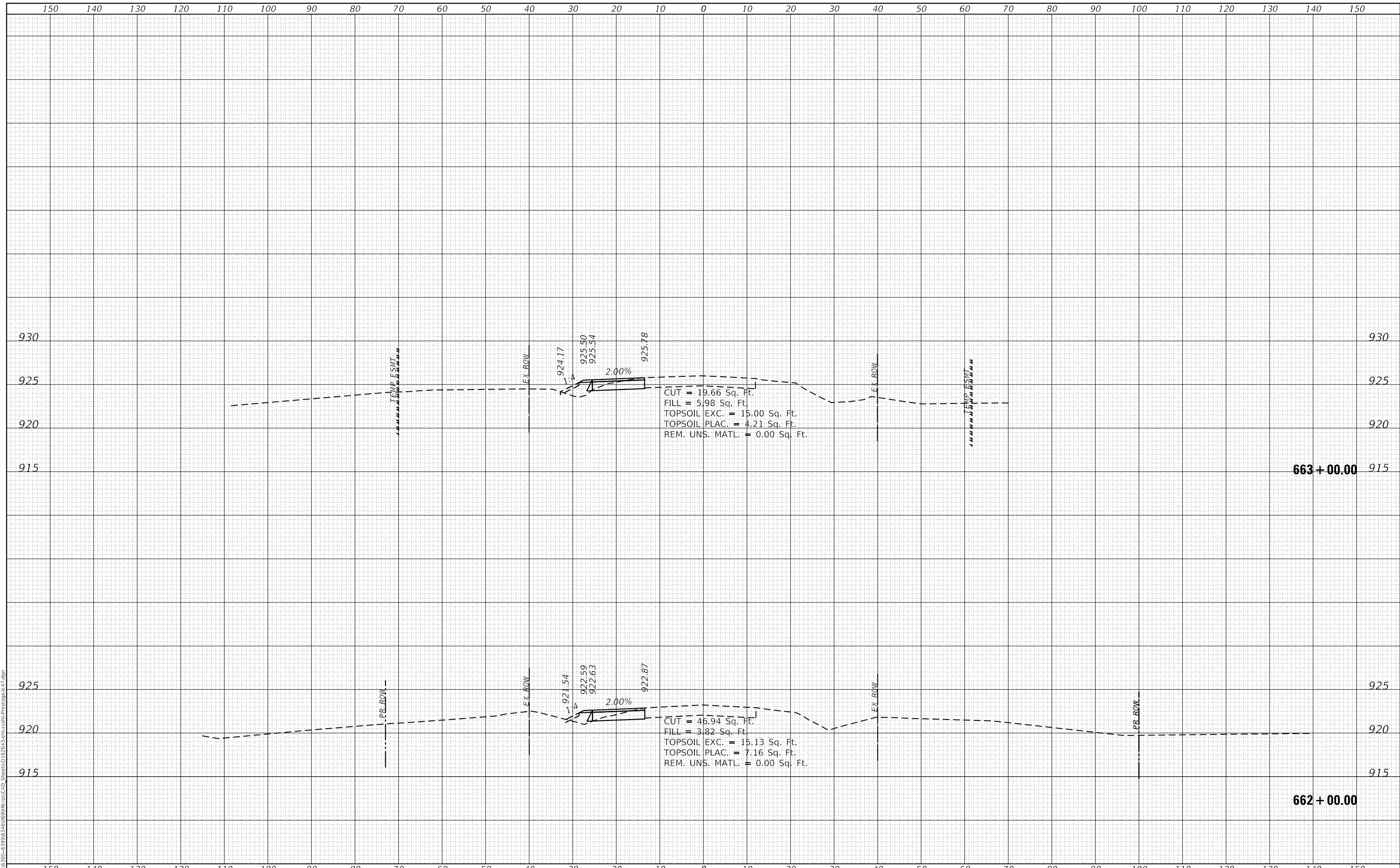
SCALE: 10H 5V SHEET 35 OF 39 SHEETS STA. 660+00.00 TO STA. 661+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	664
			CONTRACT NO. 62B43	
		ILLINOIS FED. AID PROJECT		

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

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

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STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 20.0000" / in.	CHECKED - DWG	REVISED -
PLOT DATE = 12/18/2023	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47
 PRESTAGE CROSS SECTIONS**

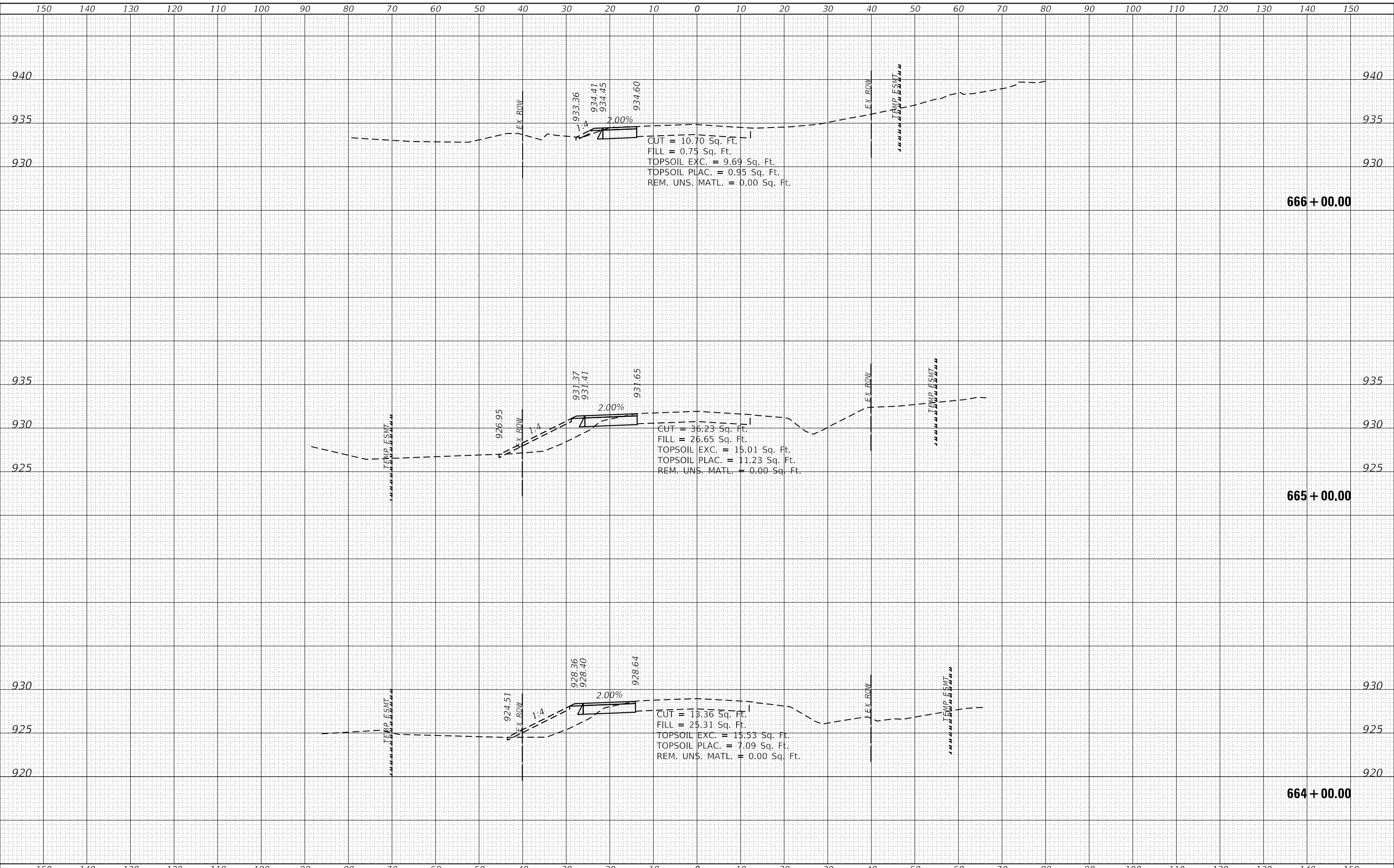
SCALE: 10H 5V SHEET 36 OF 39 SHEETS STA. 662+00.00 TO STA. 663+00.00

F.A.P. RTE. 326	SECTION 105-N-2(15)	COUNTY MCHENRY	TOTAL SHEETS 803	SHEET NO. 665
			CONTRACT NO. 62B43	
ILLINOIS			FED. AID PROJECT	

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

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

MODEL: Defaulr
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1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
STRAND ASSOCIATES*

USER NAME = StevenB	DESIGNED - MAG	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - DJW	REVISED -
PLOT DATE = 12/18/2023	CHECKED - DWG	REVISED -
	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47
 PRESTAGE CROSS SECTIONS**

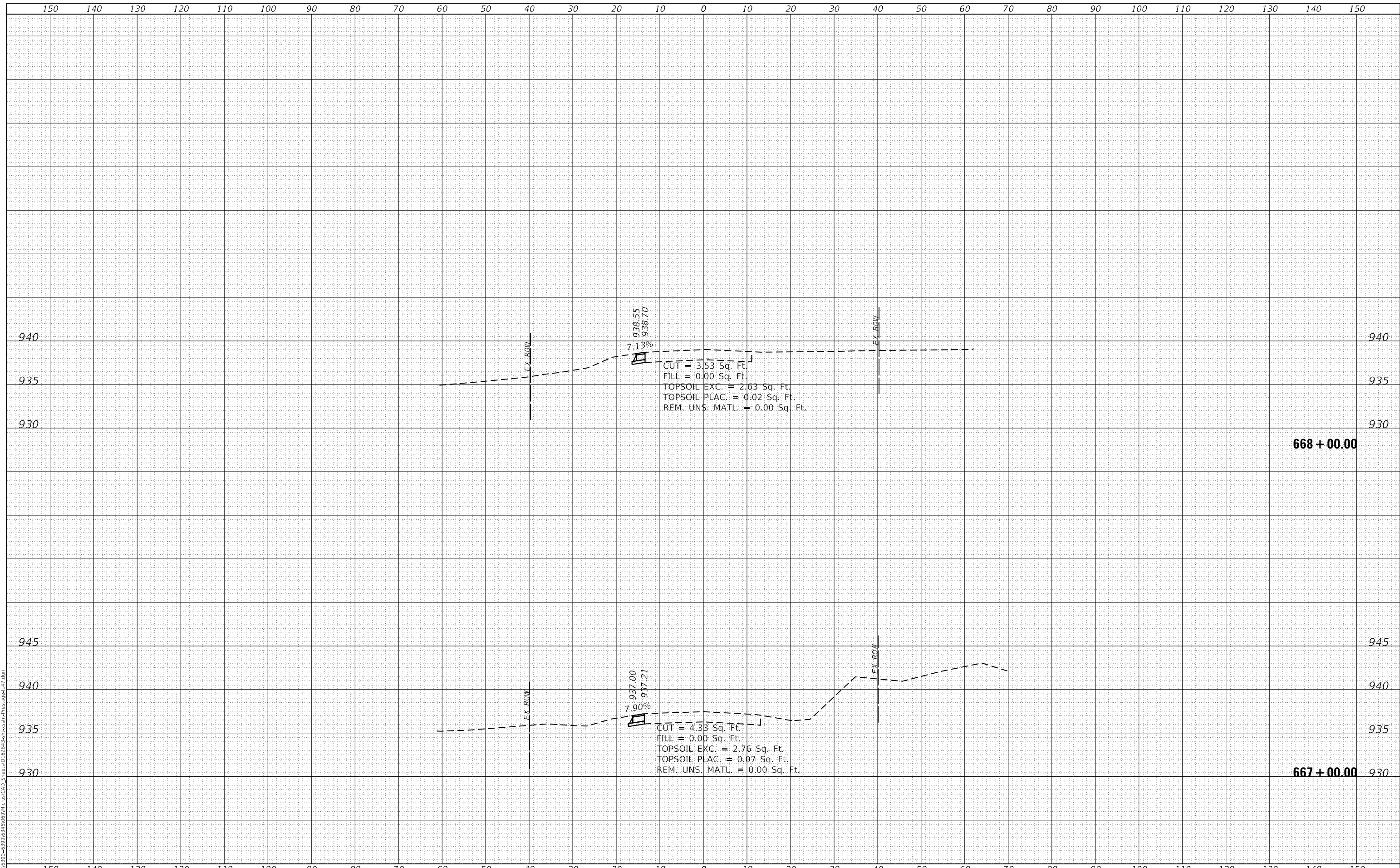
SCALE: 10H 5V SHEET 37 OF 39 SHEETS STA. 664+00.00 TO STA. 666+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	666
			CONTRACT NO. 62B43	
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Defaulr
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1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
STRAND ASSOCIATES*

USER NAME = StevenB	DESIGNED - MAG	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - DJW	REVISED -
PLOT DATE = 12/18/2023	CHECKED - DWG	REVISED -
	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

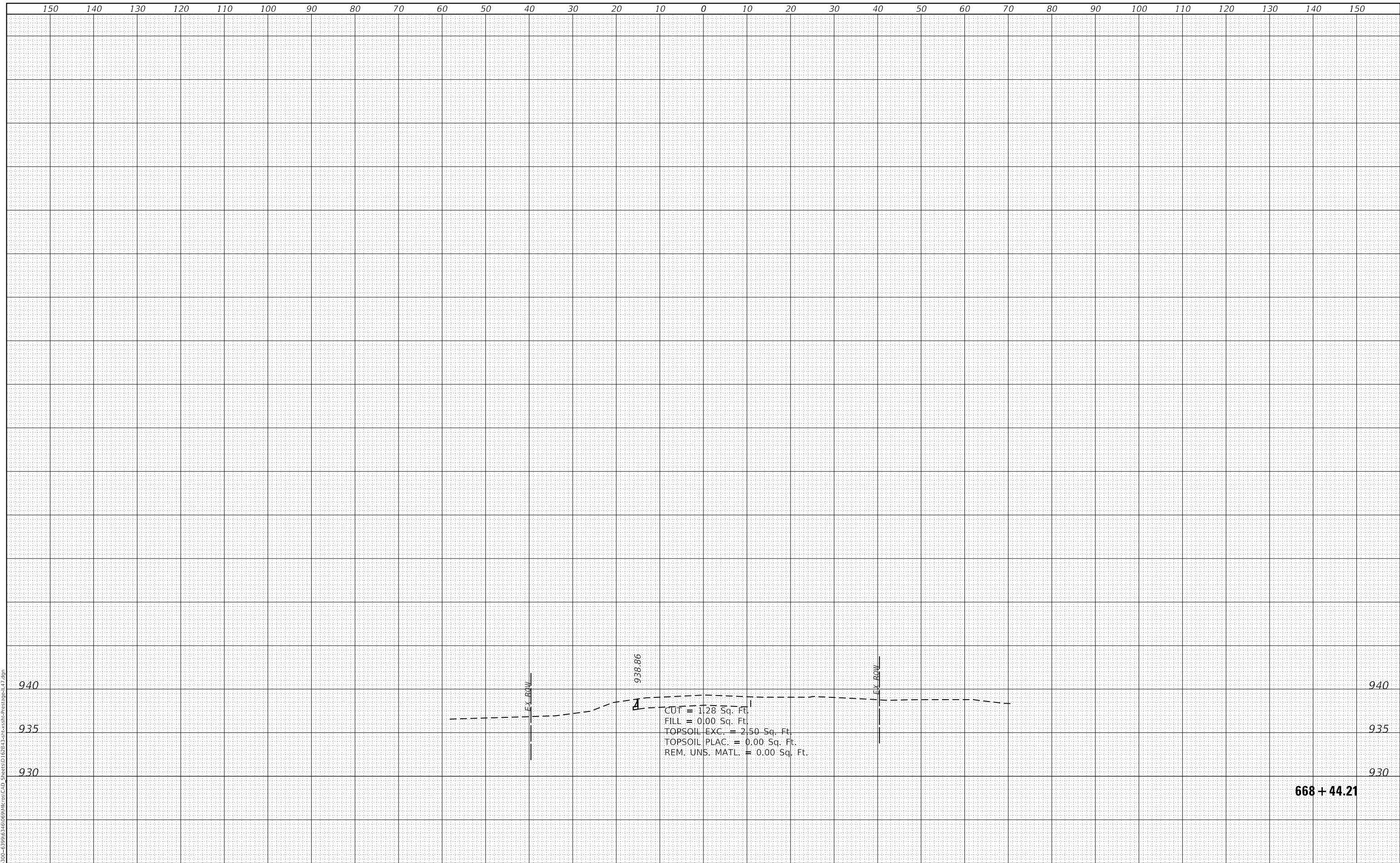
**IL ROUTE 47
 PRESTAGE CROSS SECTIONS**
 SCALE: 10H 5V SHEET 38 OF 39 SHEETS STA. 667+00.00 TO STA. 668+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	667
			CONTRACT NO. 62B43	
			ILLINOIS FED. AID PROJECT	

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

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

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1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
STRAND ASSOCIATES*
 (815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISD -
	DRAWN - DJW	REVISD -
PLOT SCALE = 20.0000 ' / in.	CHECKED - DWG	REVISD -
PLOT DATE = 12/18/2023	DATE - 12/15/2023	REVISD -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47
 PRESTAGE CROSS SECTIONS**

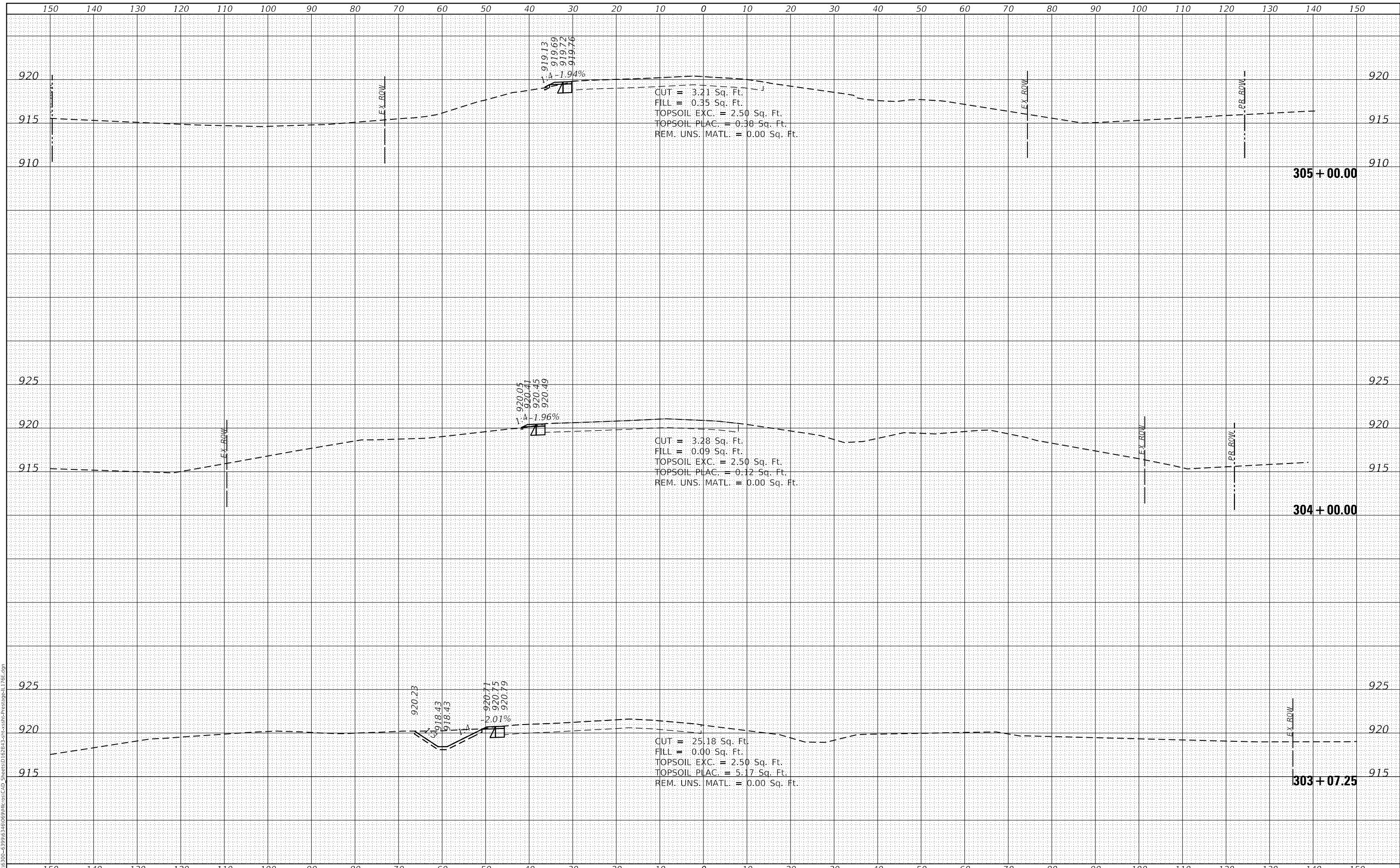
SCALE: 10H 5V SHEET 39 OF 39 SHEETS STA. 668+44.21 TO STA. 668+44.21

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	668
			CONTRACT NO. 62B43	
ILLINOIS			FED. AID PROJECT	

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

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

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STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - DJW	REVISED -
PLOT DATE = 12/18/2023	CHECKED - DWG	REVISED -
	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 176 (EAST)
 PRESTAGE CROSS SECTIONS**

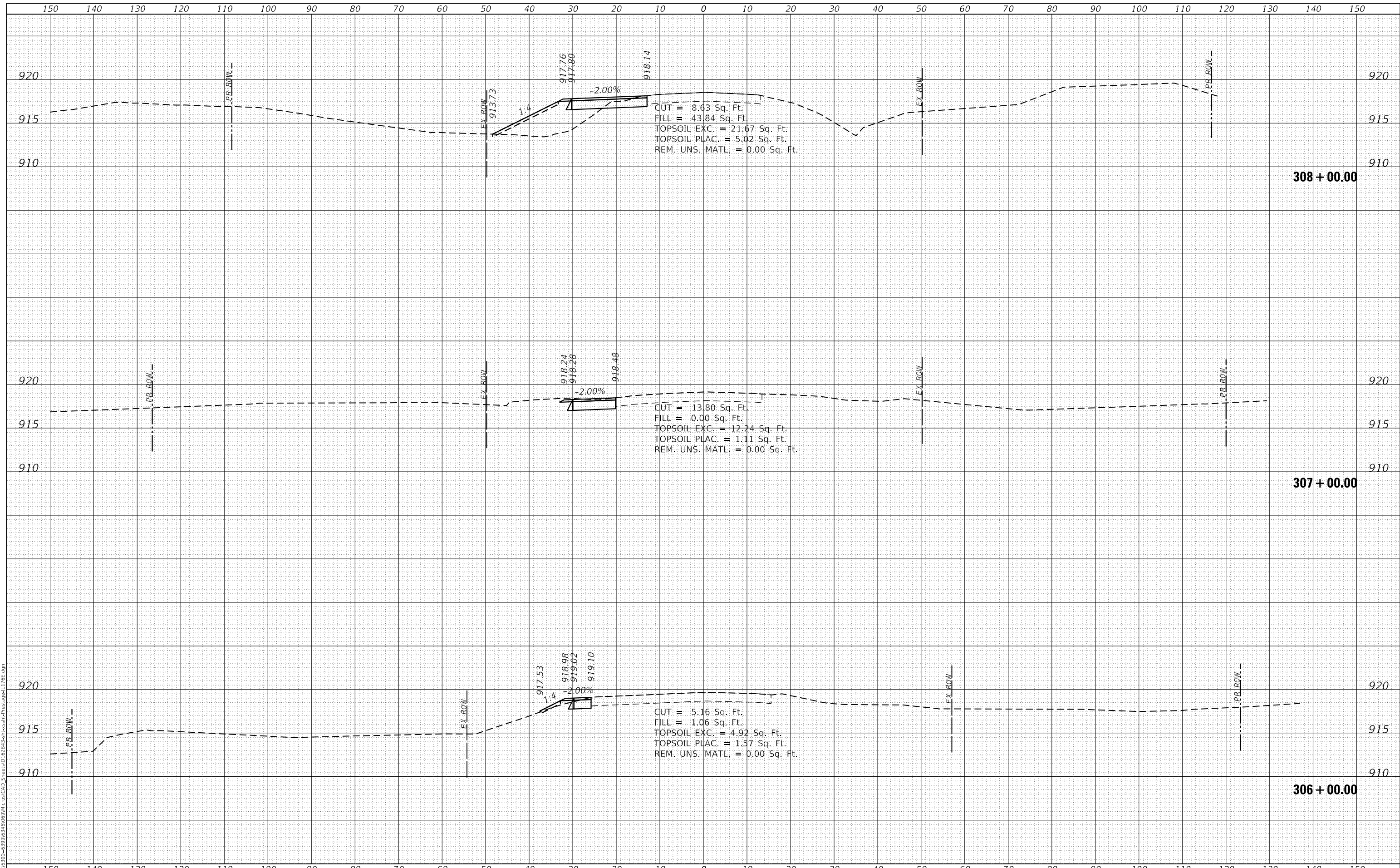
SCALE: 10H 5V SHEET 1 OF 8 SHEETS STA. 303+07.25 TO STA. 305+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	669
			CONTRACT NO. 62B43	
		ILLINOIS	FED. AID PROJECT	

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

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

MODEL: Defnair
 FILE NAME: S:\01\6300-6399\6346\069\1105\CAD_Sheets\162B43-306+00.00\PRESTAGE\1176.dgn



STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISIED -
PLOT SCALE = 20.0000' / in.	DRAWN - DJW	REVISIED -
PLOT DATE = 12/18/2023	CHECKED - DWG	REVISIED -
	DATE - 12/15/2023	REVISIED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 176 (EAST)
 PRESTAGE CROSS SECTIONS**

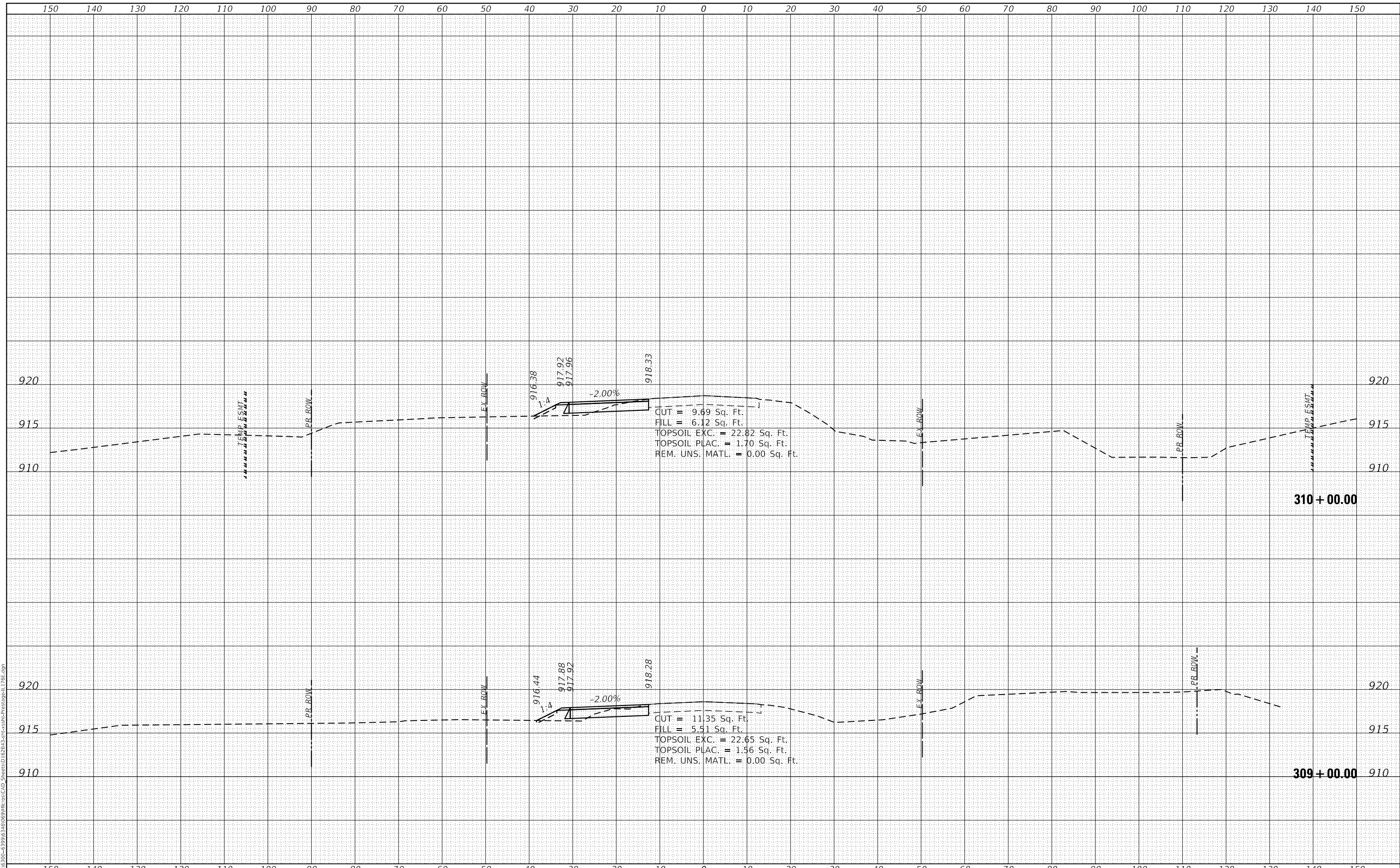
SCALE: 10H 5V SHEET 2 OF 8 SHEETS STA. 306+00.00 TO STA. 308+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	670
			CONTRACT NO. 62B43	
			ILLINOIS FED. AID PROJECT	

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

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

MODEL: Defaulr
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 SHEETID: 162B43-3-10553-16346.dwg



STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISD -
	DRAWN - DJW	REVISD -
PLOT SCALE = 20.0000' / in.	CHECKED - DWG	REVISD -
PLOT DATE = 12/18/2023	DATE - 12/15/2023	REVISD -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 176 (EAST)
 PRESTAGE CROSS SECTIONS**

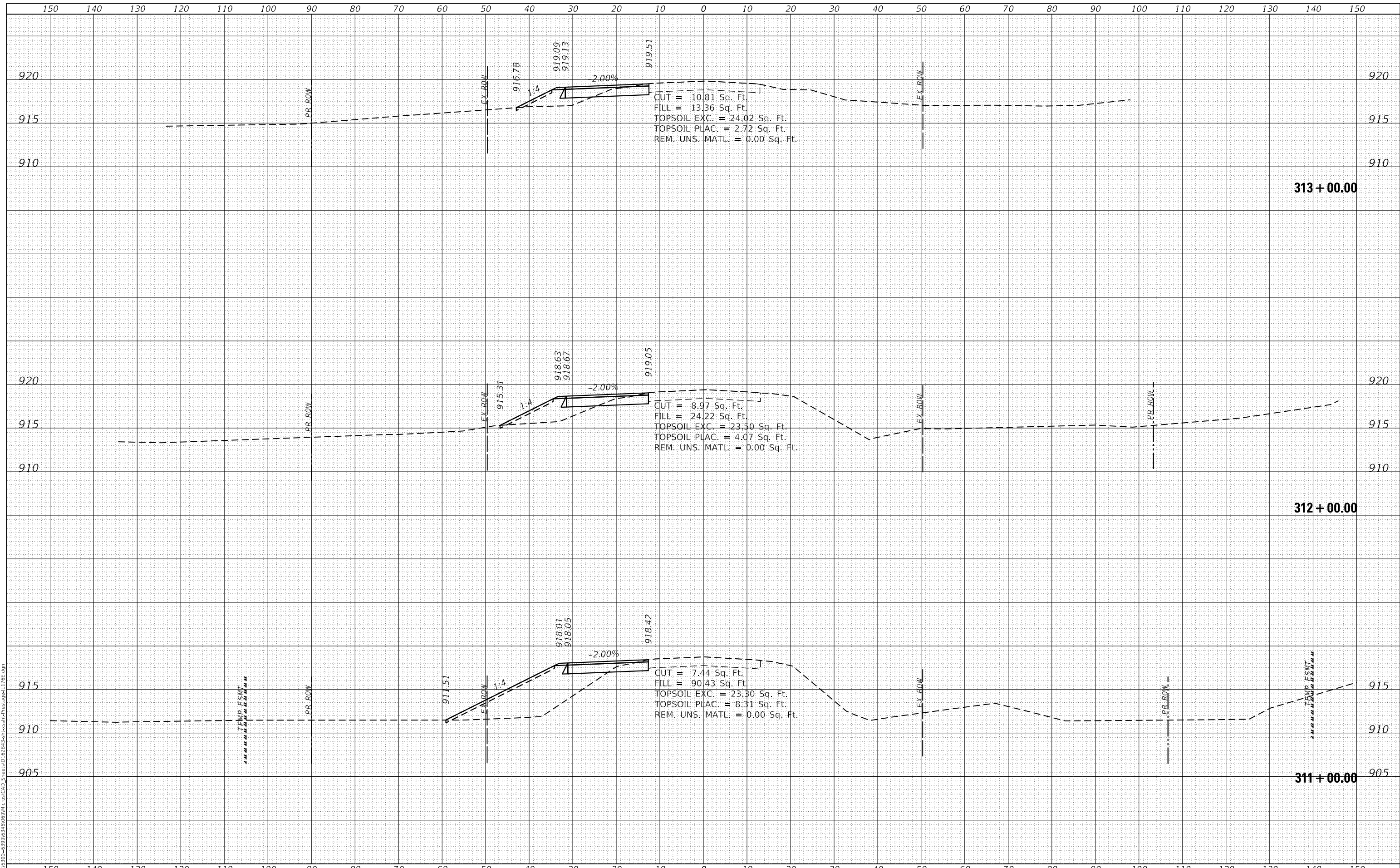
SCALE: 10H 5V SHEET 3 OF 8 SHEETS STA. 309+00.00 TO STA. 310+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	671
			CONTRACT NO. 62B43	
			ILLINOIS FED. AID PROJECT	

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

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

MODEL: Defaulr
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STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REvised -
PLOT SCALE = 20.0000' / in.	DRAWN - DJW	REvised -
PLOT DATE = 12/18/2023	CHECKED - DWG	REvised -
	DATE - 12/15/2023	REvised -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 176 (EAST)
 PRESTAGE CROSS SECTIONS**

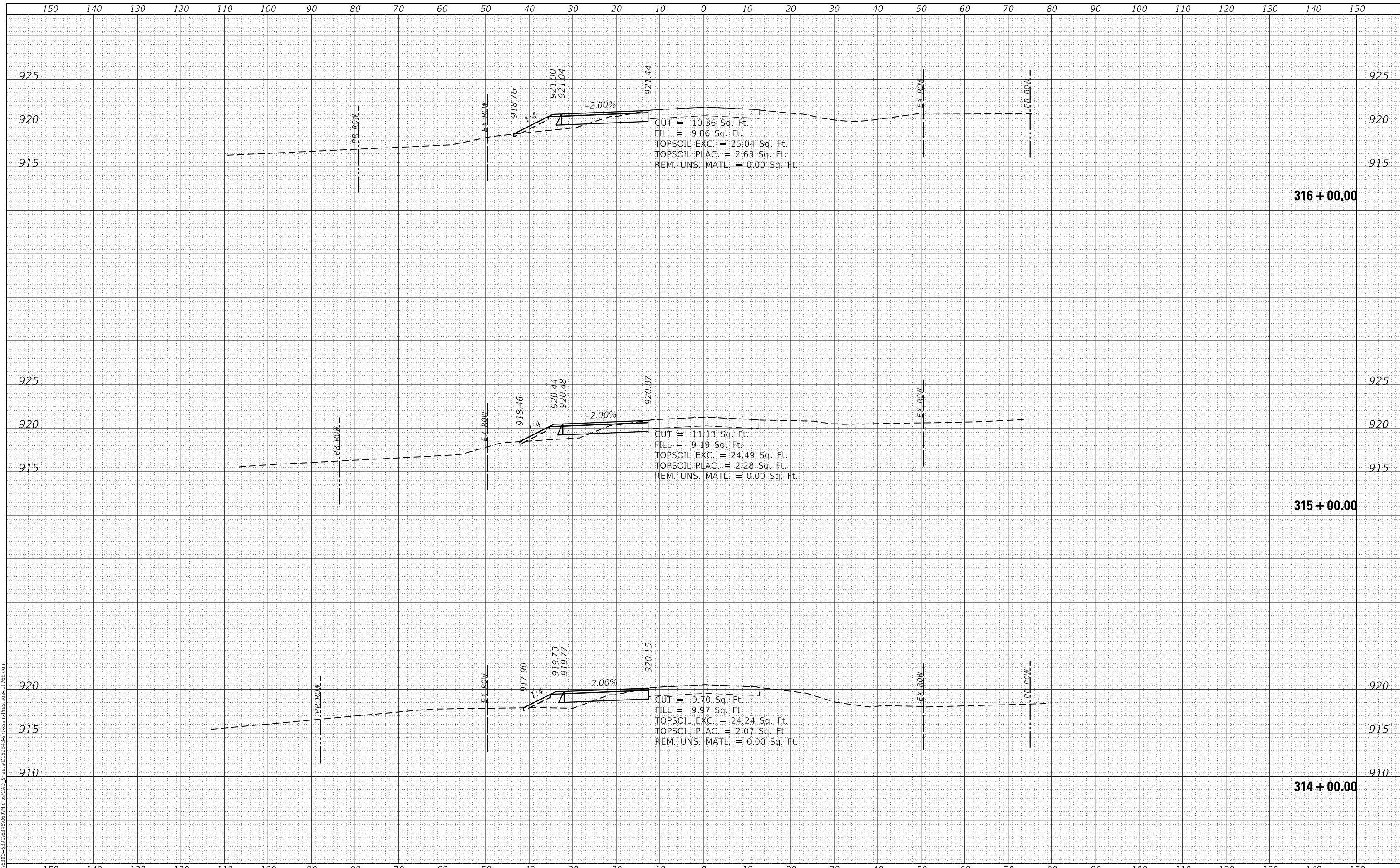
SCALE: 10H 5V SHEET 4 OF 8 SHEETS STA. 311+00.00 TO STA. 313+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	672
			CONTRACT NO. 62B43	
ILLINOIS FED. AID PROJECT				

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

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

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STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISD -
PLOT SCALE = 20.0000' / in.	DRAWN - DJW	REVISD -
PLOT DATE = 12/18/2023	CHECKED - DWG	REVISD -
	DATE - 12/15/2023	REVISD -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 176 (EAST)
 PRESTAGE CROSS SECTIONS**

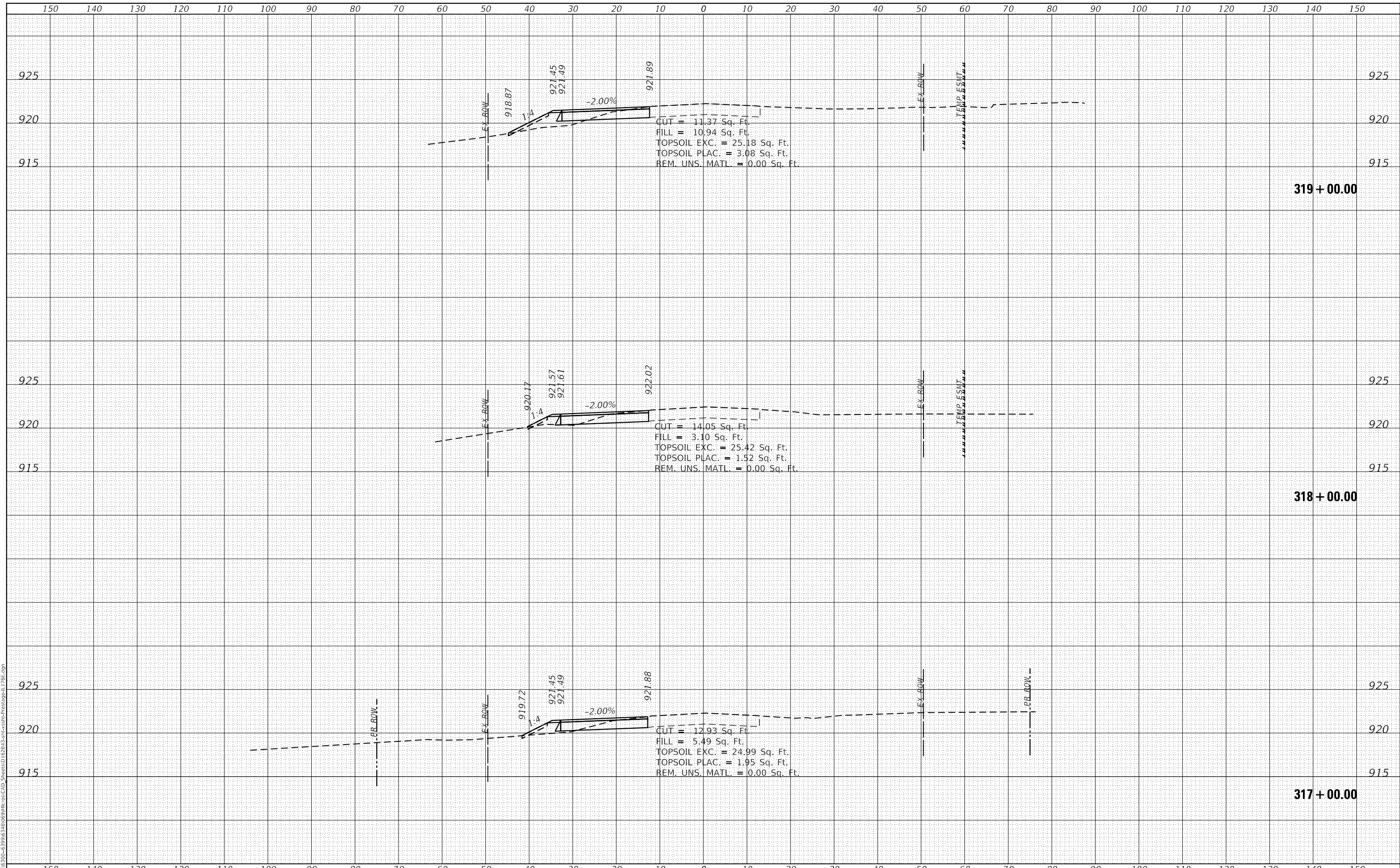
SCALE: 10H 5V SHEET 5 OF 8 SHEETS STA. 314+00.00 TO STA. 316+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	673
			CONTRACT NO. 62B43	
ILLINOIS FED. AID PROJECT				

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

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

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1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
STRAND ASSOCIATES*

USER NAME	= StevenB
DESIGNED	- MAG
DRAWN	- DJW
CHECKED	- DWG
DATE	- 12/15/2023

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 176 (EAST)
 PRESTAGE CROSS SECTIONS**

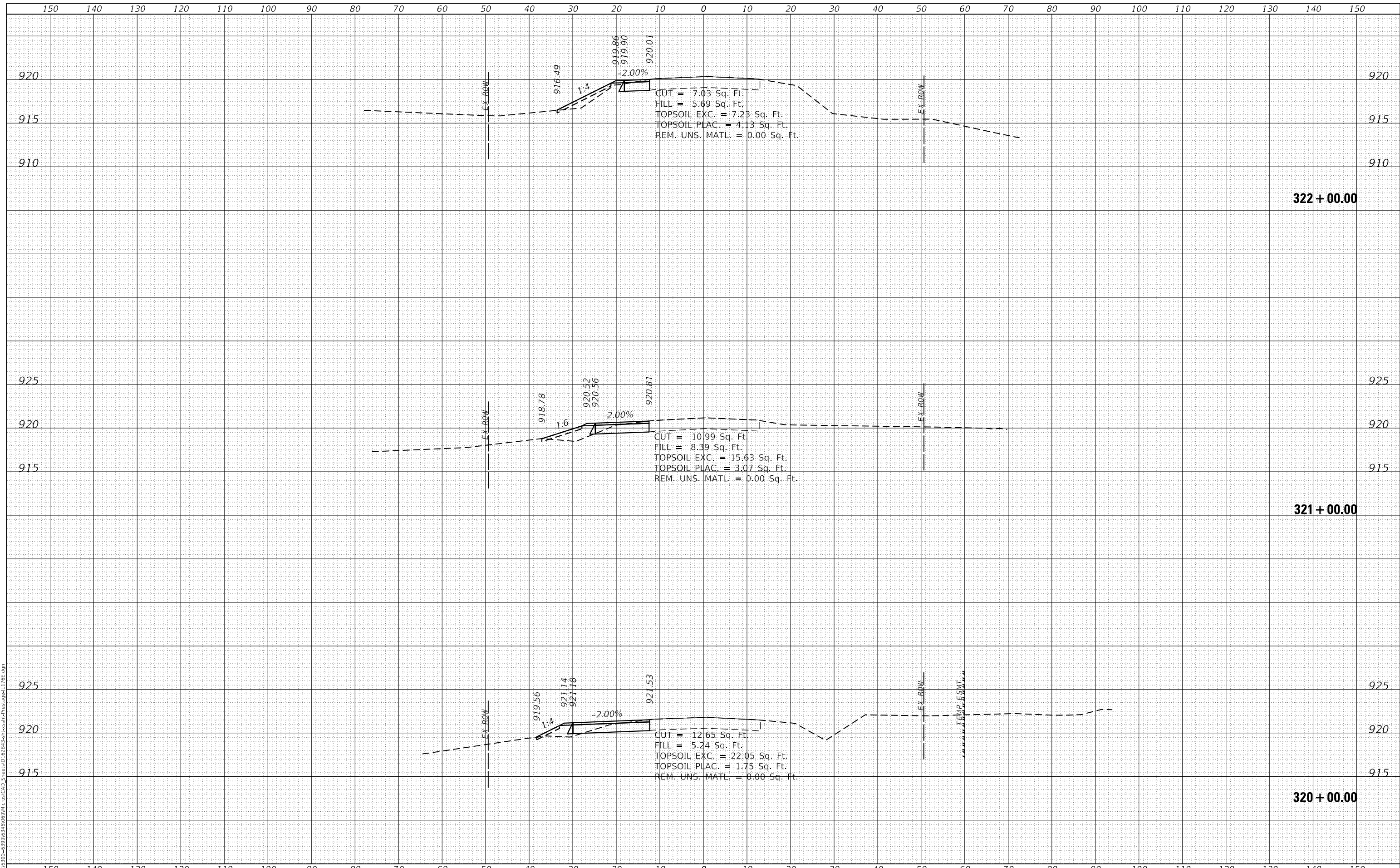
SCALE: 10H 5V SHEET 6 OF 8 SHEETS STA. 317+00.00 TO STA. 319+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	674
			CONTRACT NO. 62B43	
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Defaulr
 FILE NAME: S:\01\16300-6399\16346\069\16346.dgn
 SHEETID: 162B43-3-16346.dwg



STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISD -
PLOT SCALE = 20.0000' / in.	DRAWN - DJW	REVISD -
PLOT DATE = 12/18/2023	CHECKED - DWG	REVISD -
	DATE - 12/15/2023	REVISD -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

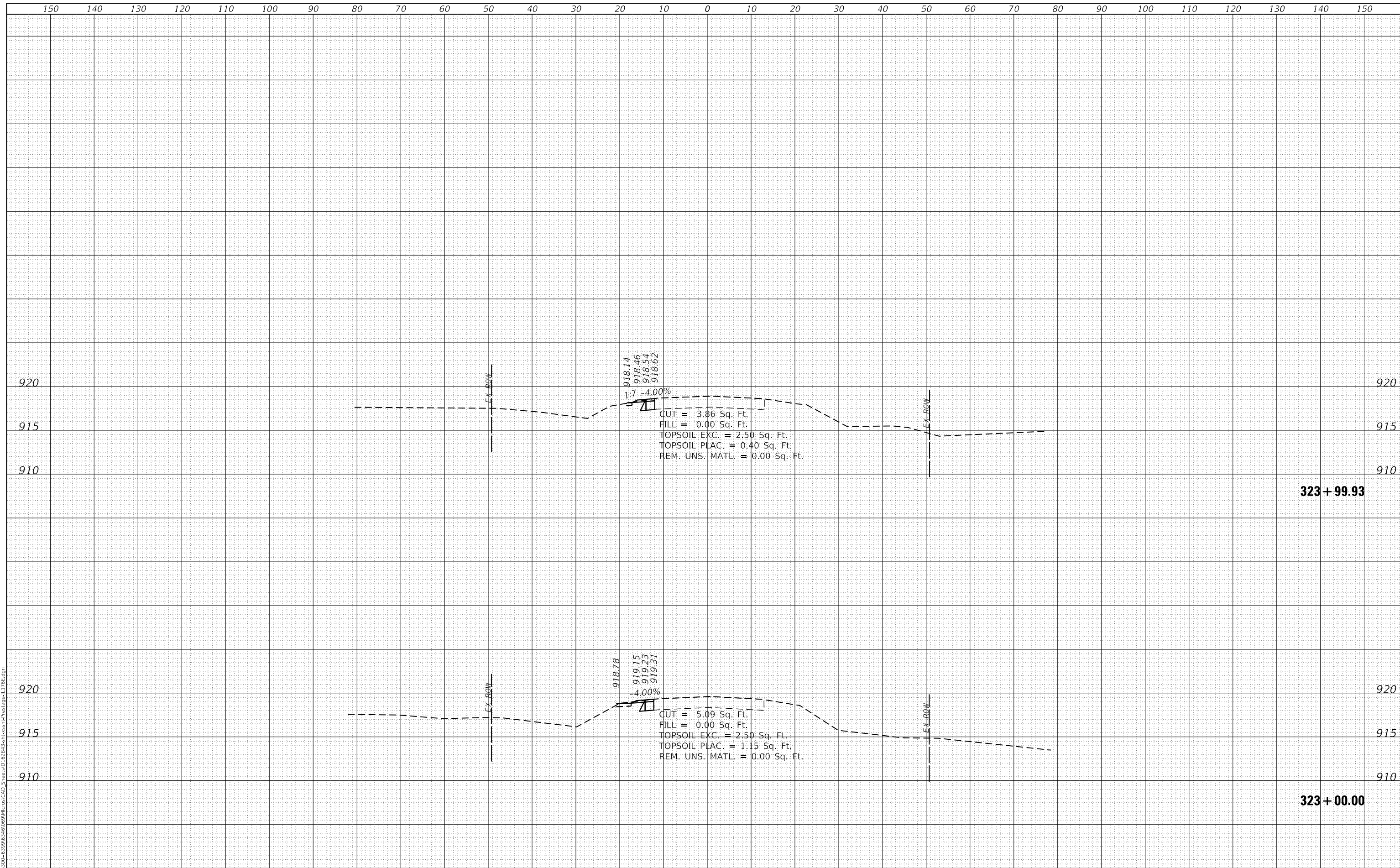
**IL ROUTE 176 (EAST)
 PRESTAGE CROSS SECTIONS**

SCALE: 10H 5V SHEET 7 OF 8 SHEETS STA. 320+00.00 TO STA. 322+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	675
			CONTRACT NO. 62B43	
ILLINOIS			FED. AID PROJECT	

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

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



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STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISD -
	DRAWN - DJW	REVISD -
PLOT SCALE = 20.0000 ' / in.	CHECKED - DWG	REVISD -
PLOT DATE = 12/18/2023	DATE - 12/15/2023	REVISD -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 176 (EAST)
 PRESTAGE CROSS SECTIONS**

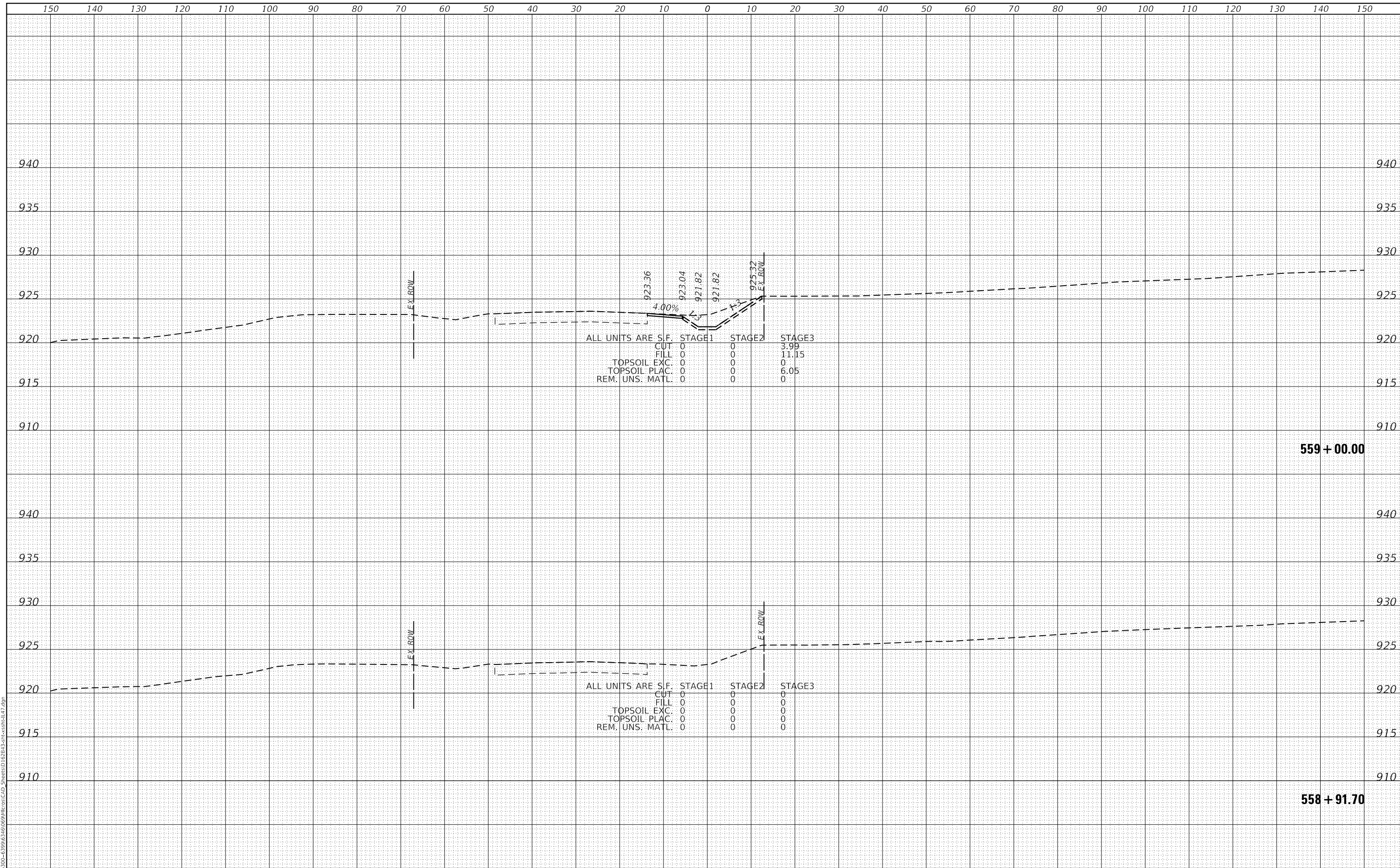
SCALE: 10H 5V SHEET 8 OF 8 SHEETS STA. 323+00.00 TO STA. 323+99.93

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	676
			CONTRACT NO. 62B43	

ILLINOIS FED. AID PROJECT

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



ALL UNITS ARE S.F.

CUT	0	0	3.99
FILL	0	0	11.15
TOPSOIL EXC.	0	0	0
TOPSOIL PLAC.	0	0	6.05
REM. UNS. MATL.	0	0	0

ALL UNITS ARE S.F.

CUT	0	0	0
FILL	0	0	0
TOPSOIL EXC.	0	0	0
TOPSOIL PLAC.	0	0	0
REM. UNS. MATL.	0	0	0

MODEL: Defaulr
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STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISD -
	DRAWN - DJW	REVISD -
PLOT SCALE = 20.0000 ' / in.	CHECKED - DWG	REVISD -
PLOT DATE = 12/18/2023	DATE - 12/15/2023	REVISD -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47
 CROSS SECTIONS**

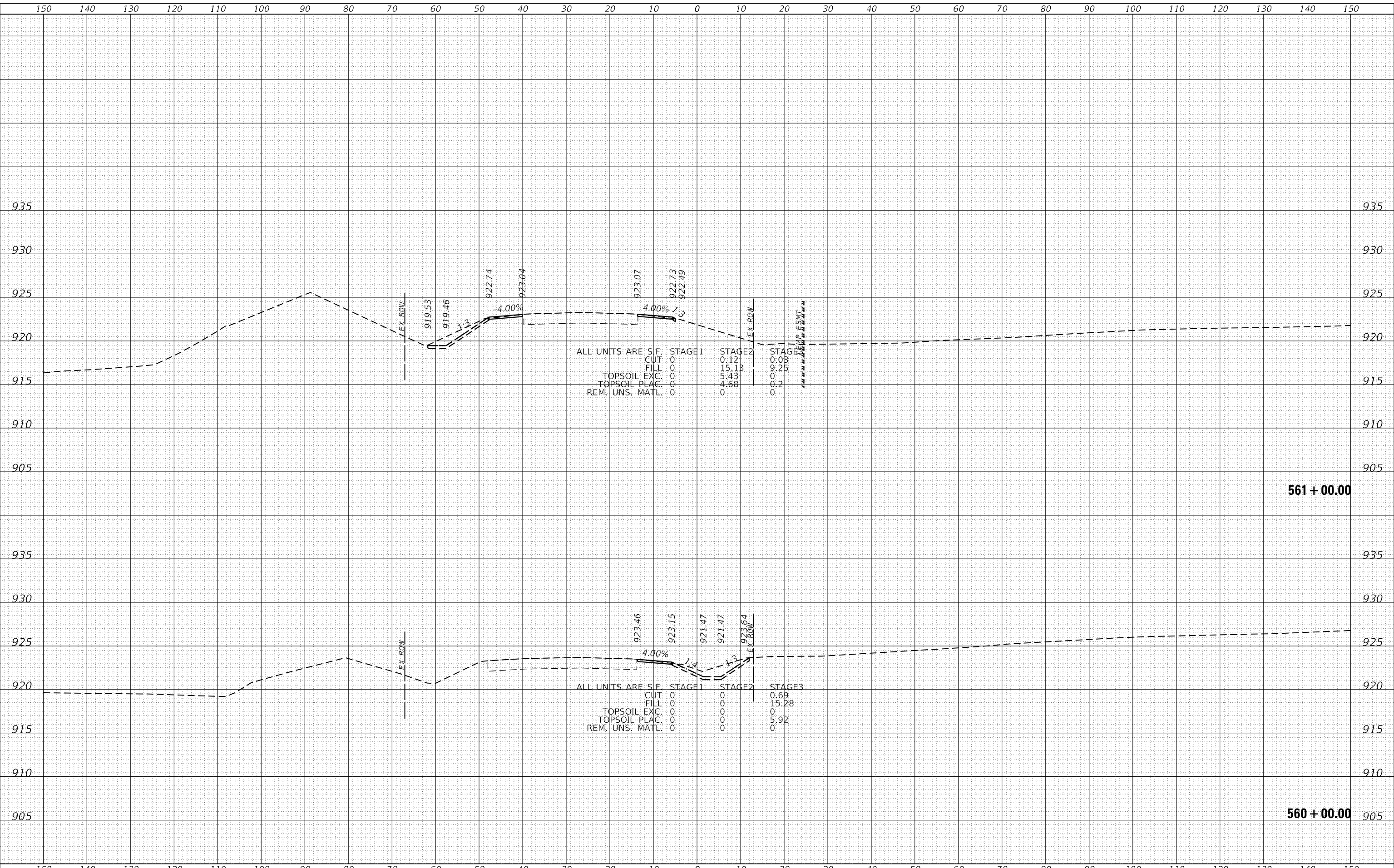
SCALE: 10H 5V SHEET 1 OF 72 SHEETS STA. 558+91.70 TO STA. 559+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	677
			CONTRACT NO. 62B43	
			ILLINOIS FED. AID PROJECT	

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

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

MODEL: Defaulr
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1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
STRAND ASSOCIATES*

USER NAME = StevenB	DESIGNED - MAG	REVISD -
	DRAWN - DJW	REVISD -
PLOT SCALE = 20.0000 ' / in.	CHECKED - DWG	REVISD -
PLOT DATE = 12/18/2023	DATE - 12/15/2023	REVISD -

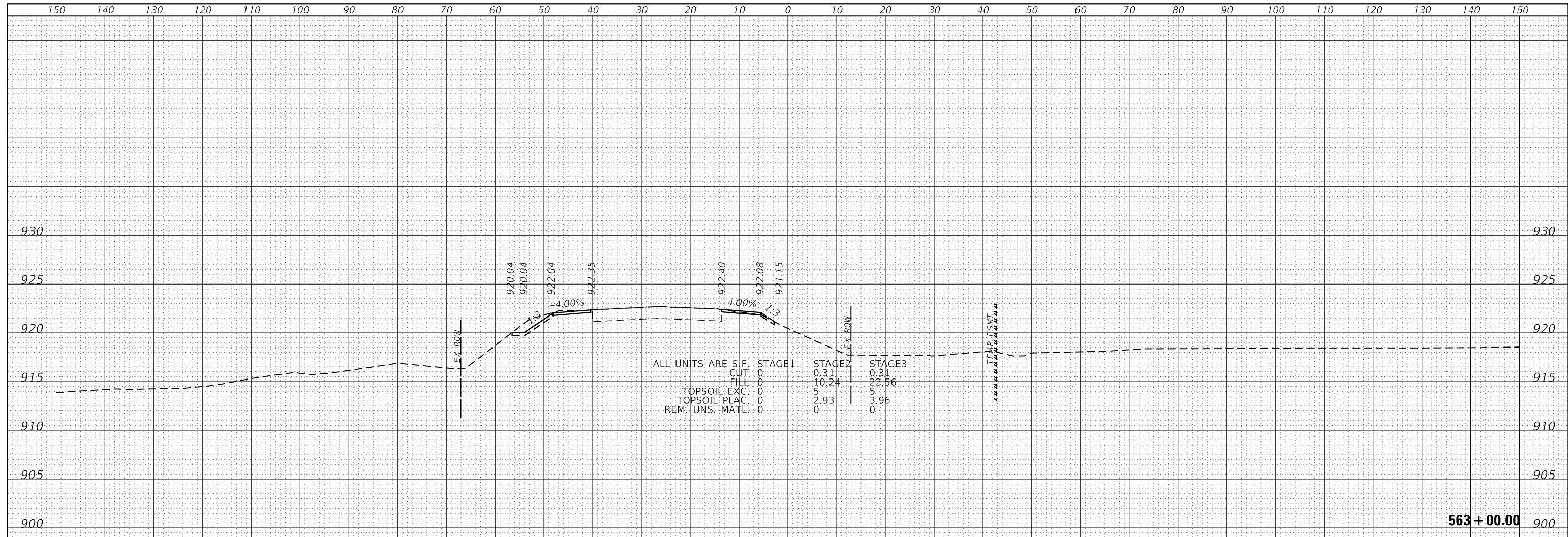
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47
 CROSS SECTIONS**

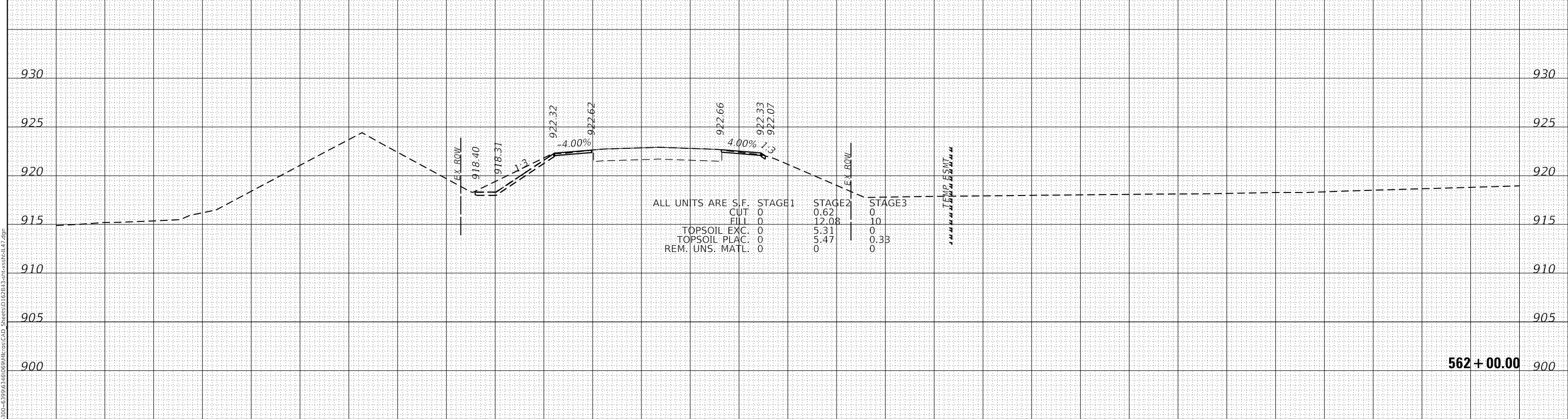
SCALE: 10H 5V SHEET 2 OF 72 SHEETS STA. 560+00.00 TO STA. 561+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	678
			CONTRACT NO. 62B43	
		ILLINOIS FED. AID PROJECT		

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



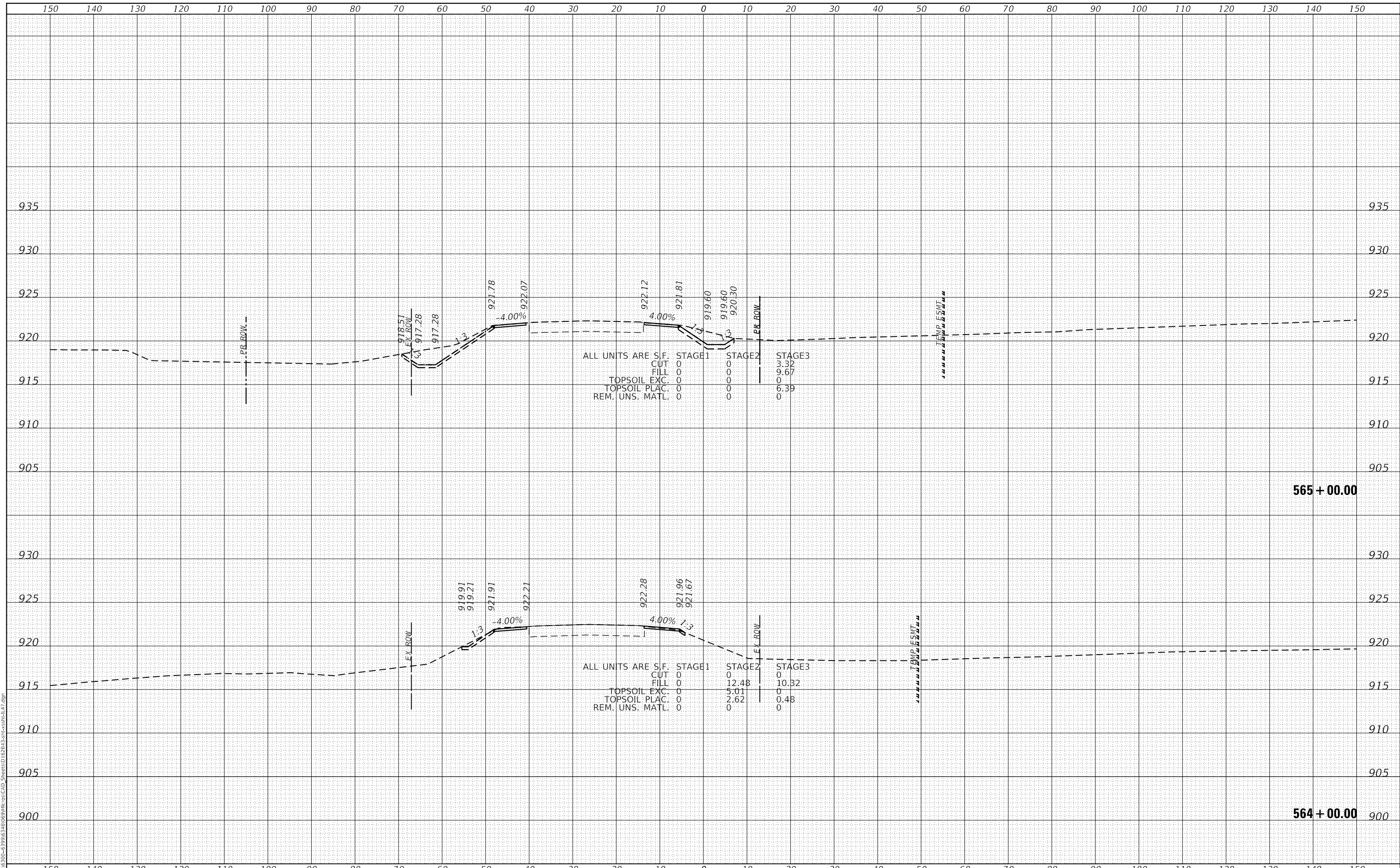
DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED



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

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

MODEL: Defaulr
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ALL UNITS ARE S.F.

CUT	0	STAGE1	0	STAGE2	3.32	STAGE3	0
FILL	0		0		9.67		0
TOPSOIL EXC.	0		0		0		0
TOPSOIL PLAC.	0		0		6.39		0
REM. UNS. MATL.	0		0		0		0

ALL UNITS ARE S.F.

CUT	0	STAGE1	0	STAGE2	0	STAGE3	10.32
FILL	12.48		0		0		0
TOPSOIL EXC.	0		5.01		0		0
TOPSOIL PLAC.	0		2.62		0.48		0
REM. UNS. MATL.	0		0		0		0

STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISD -
	DRAWN - DJW	REVISD -
PLOT SCALE = 20.0000' / in.	CHECKED - DWG	REVISD -
PLOT DATE = 12/18/2023	DATE - 12/15/2023	REVISD -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47
 CROSS SECTIONS**

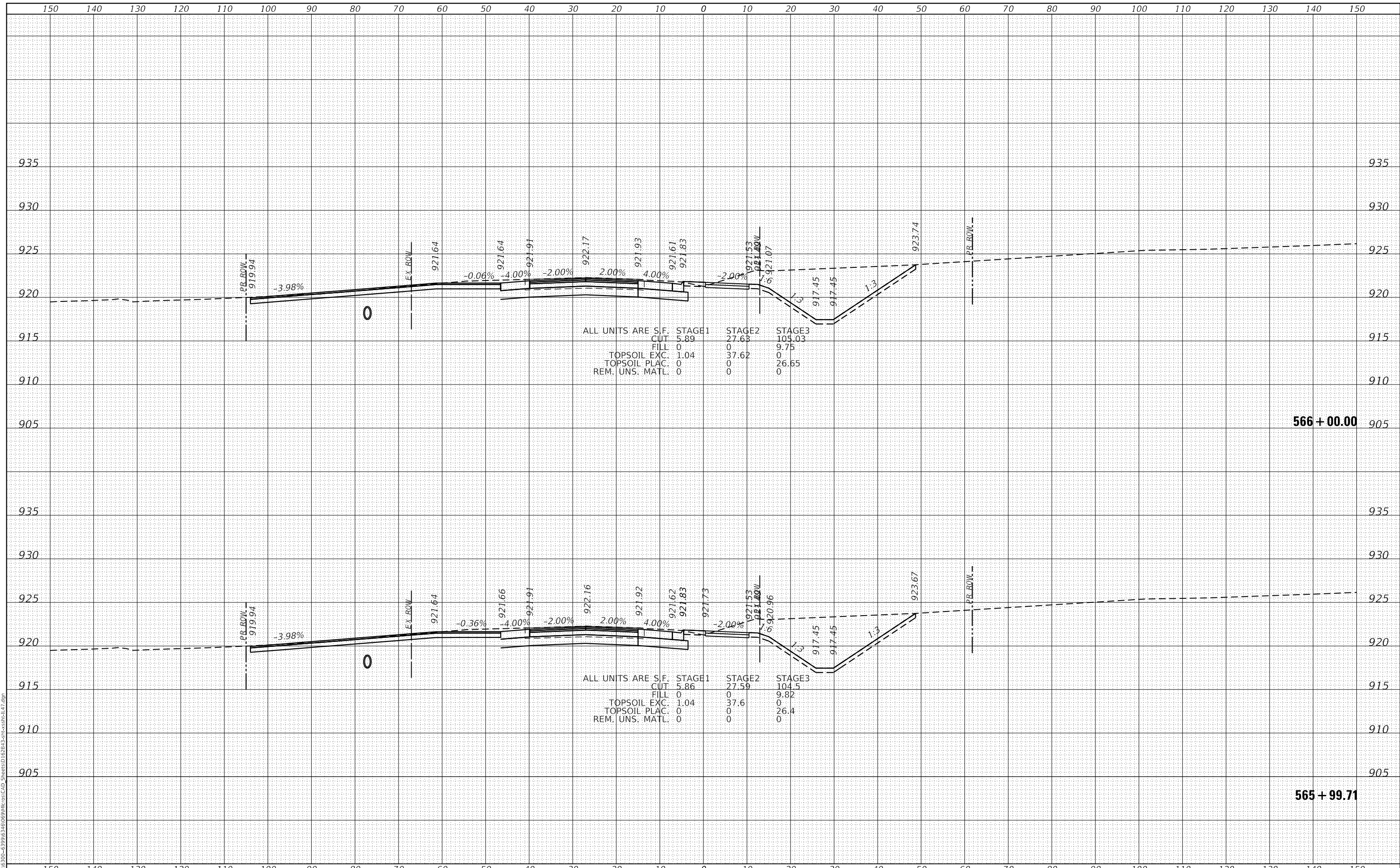
SCALE: 10H 5V SHEET 4 OF 72 SHEETS STA. 564+00.00 TO STA. 565+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	680
			CONTRACT NO. 62B43	
			ILLINOIS FED. AID PROJECT	

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

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

MODEL: Defaulr
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STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 12/18/2023	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

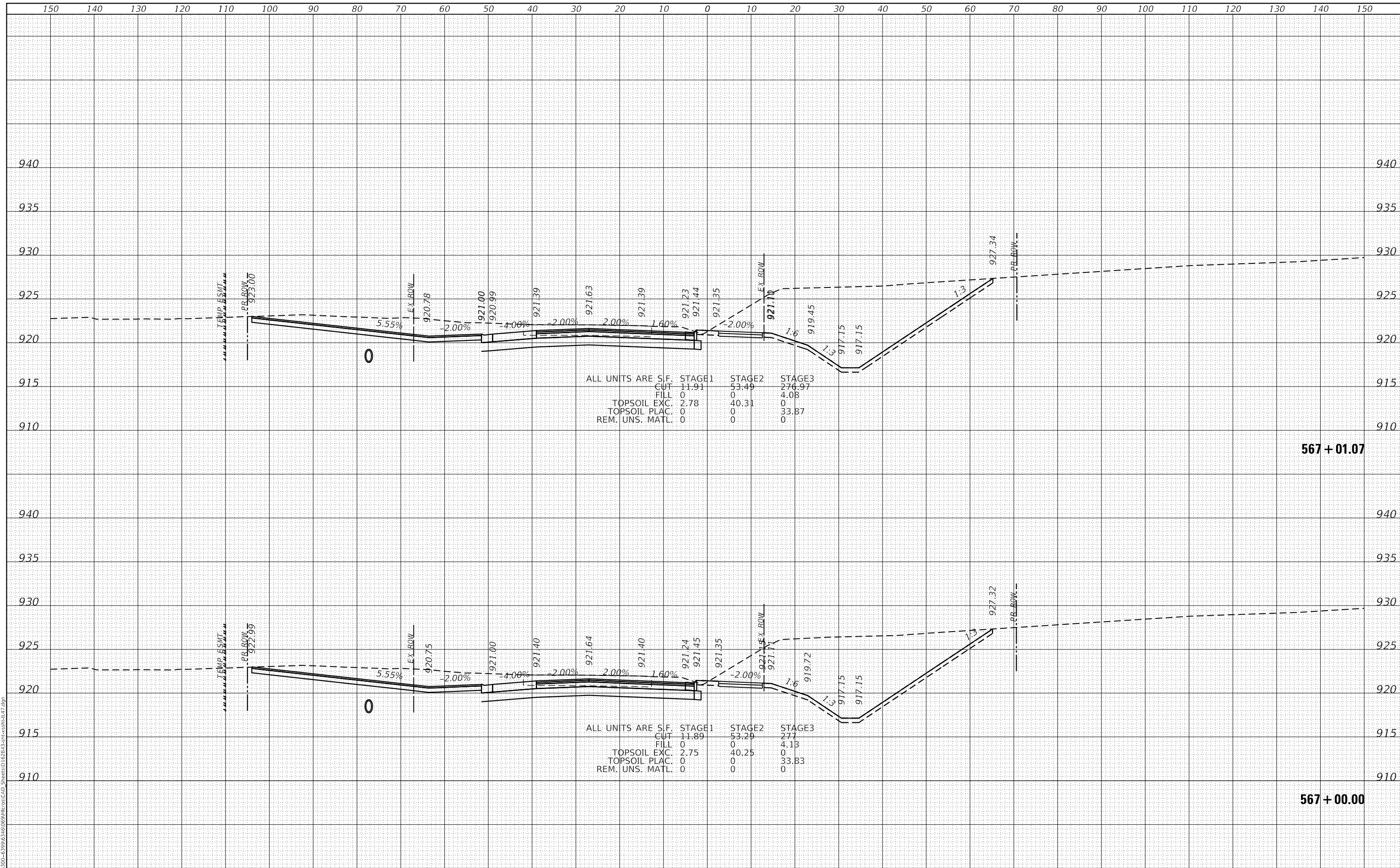
**IL ROUTE 47
 CROSS SECTIONS**

SCALE: 10H 5V SHEET 5 OF 72 SHEETS STA. 565+99.71 TO STA. 566+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	681
			CONTRACT NO. 62B43	
			ILLINOIS FED. AID PROJECT	

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

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



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STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 12/18/2023	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47
 CROSS SECTIONS**

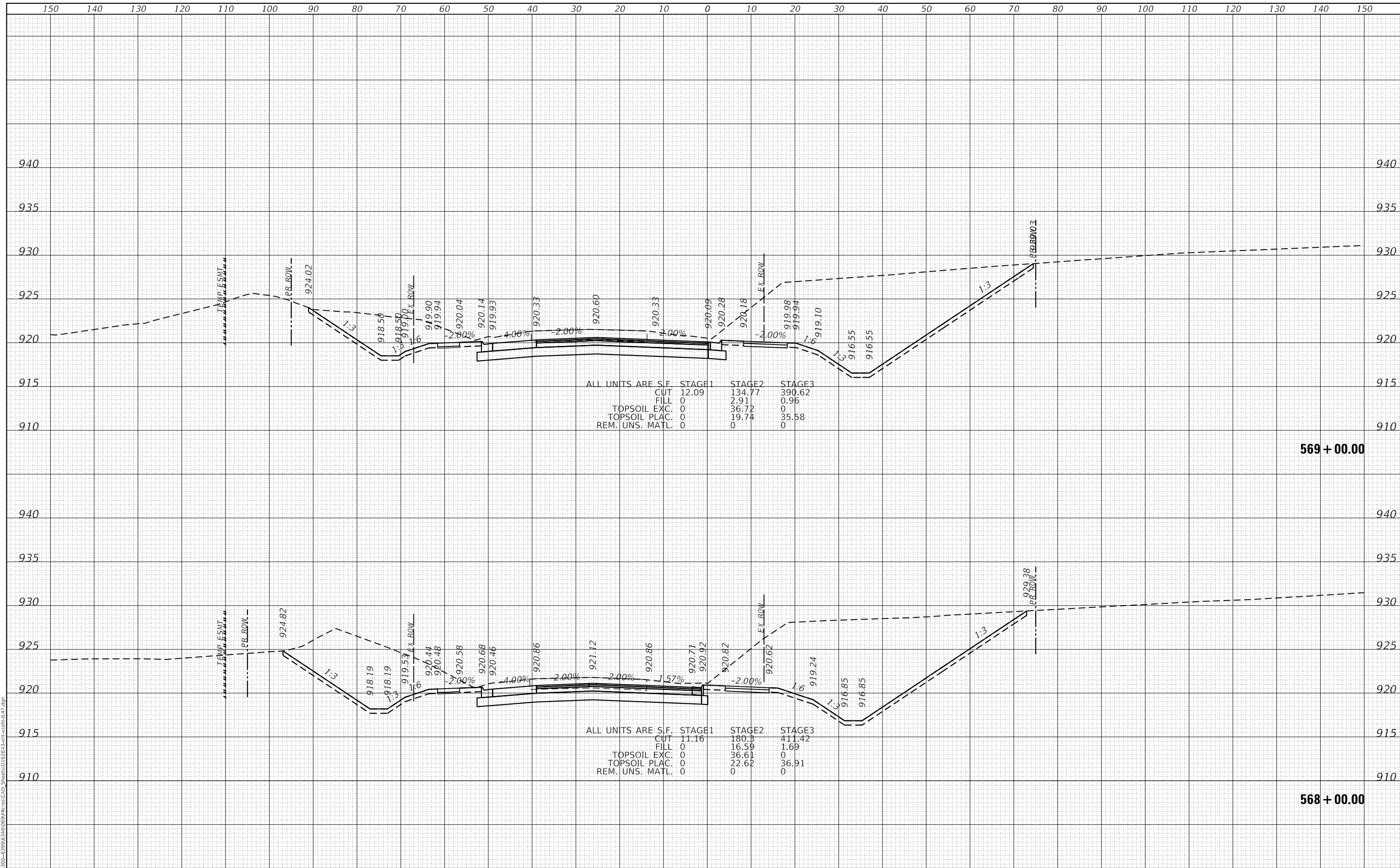
SCALE: 10H 5V SHEET 6 OF 72 SHEETS STA. 567+00.00 TO STA. 567+01.07

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	682
			CONTRACT NO. 62B43	

ILLINOIS FED. AID PROJECT

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

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



MODEL: Defn.dwg
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STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISD -
	DRAWN - DJW	REVISD -
PLOT SCALE = 20.0000' / in.	CHECKED - DWG	REVISD -
PLOT DATE = 12/18/2023	DATE - 12/15/2023	REVISD -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

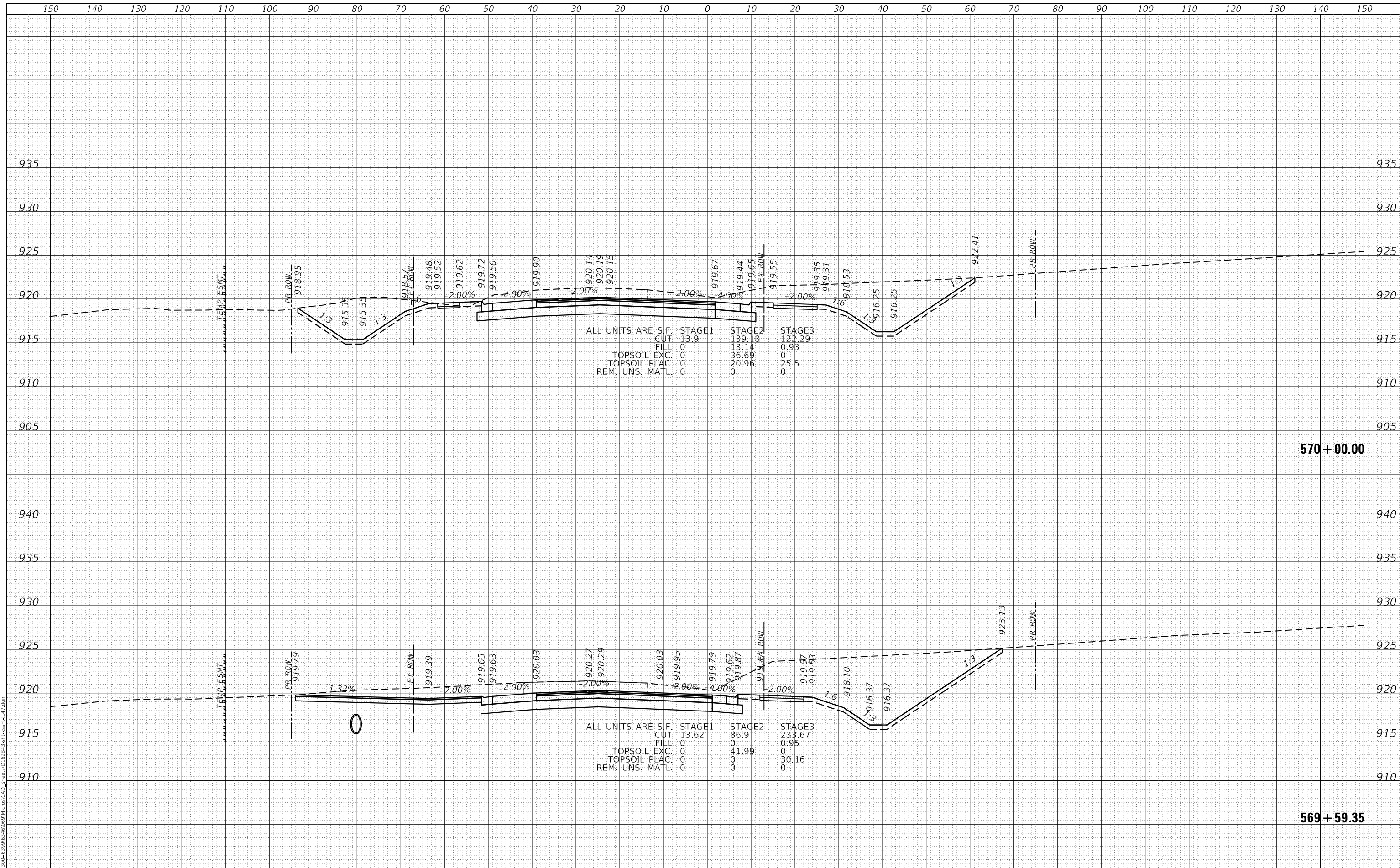
**IL ROUTE 47
 CROSS SECTIONS**

SCALE: 10H 5V SHEET 7 OF 72 SHEETS STA. 568+00.00 TO STA. 569+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	683
			CONTRACT NO. 62B43	
			ILLINOIS FED. AID PROJECT	

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

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



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STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME	= StevenB
DESIGNED	- MAG
DRAWN	- DJW
CHECKED	- DWG
DATE	- 12/15/2023

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47
 CROSS SECTIONS**

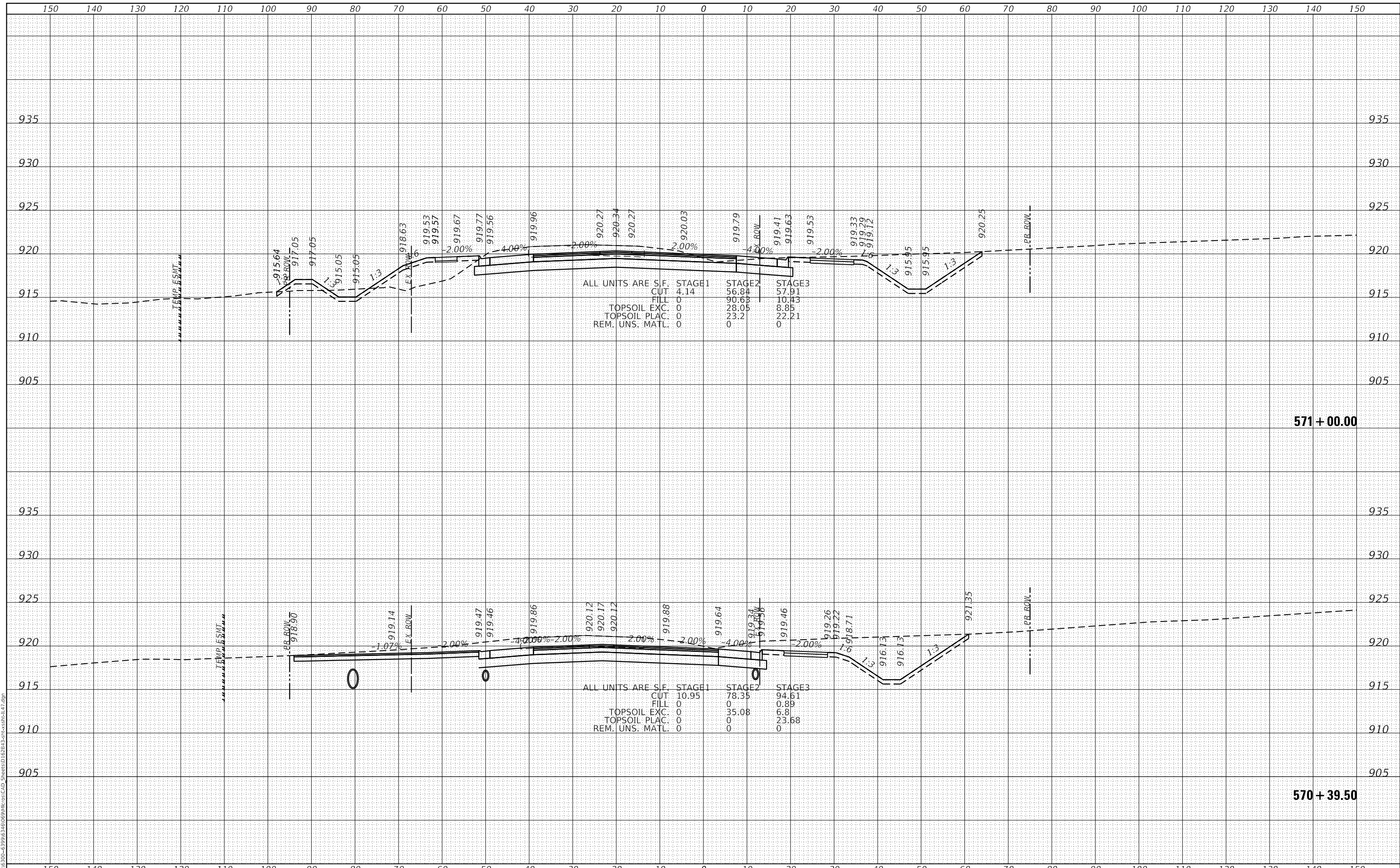
SCALE: 10H 5V SHEET 8 OF 72 SHEETS STA. 569+59.35 TO STA. 570+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	684
			CONTRACT NO. 62B43	
ILLINOIS FED. AID PROJECT				

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

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

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1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
STRAND ASSOCIATES*

USER NAME	= StevenB
DESIGNED	- MAG
DRAWN	- DJW
CHECKED	- DWG
DATE	- 12/15/2023

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

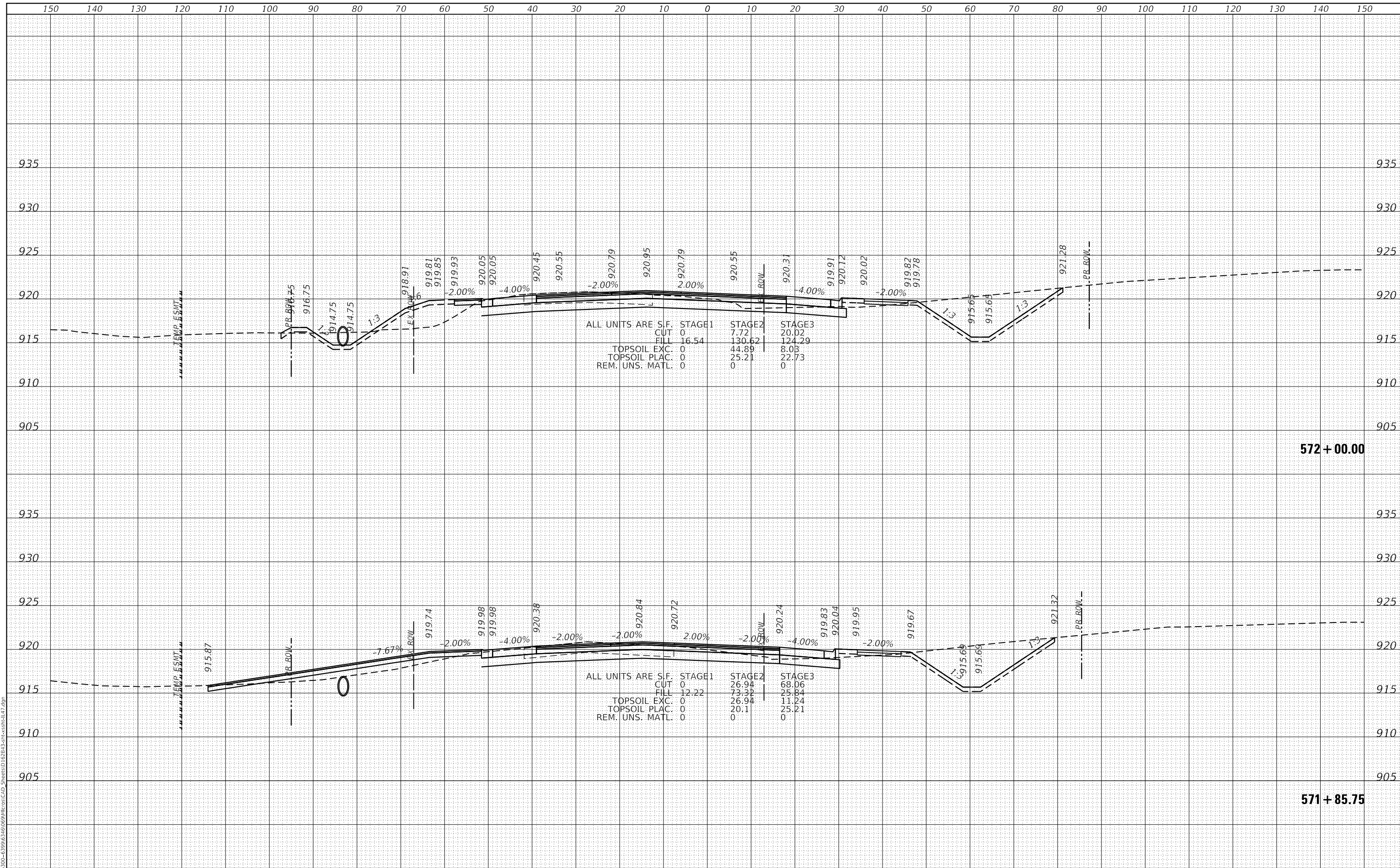
**IL ROUTE 47
 CROSS SECTIONS**

SCALE: 10H 5V SHEET 9 OF 72 SHEETS STA. 570+39.50 TO STA. 571+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	685
			CONTRACT NO. 62B43	
ILLINOIS FED. AID PROJECT				

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

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



MODEL: Defn:ur
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STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME	= StevenB
DESIGNED	- MAG
DRAWN	- DJW
CHECKED	- DWG
DATE	- 12/15/2023

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

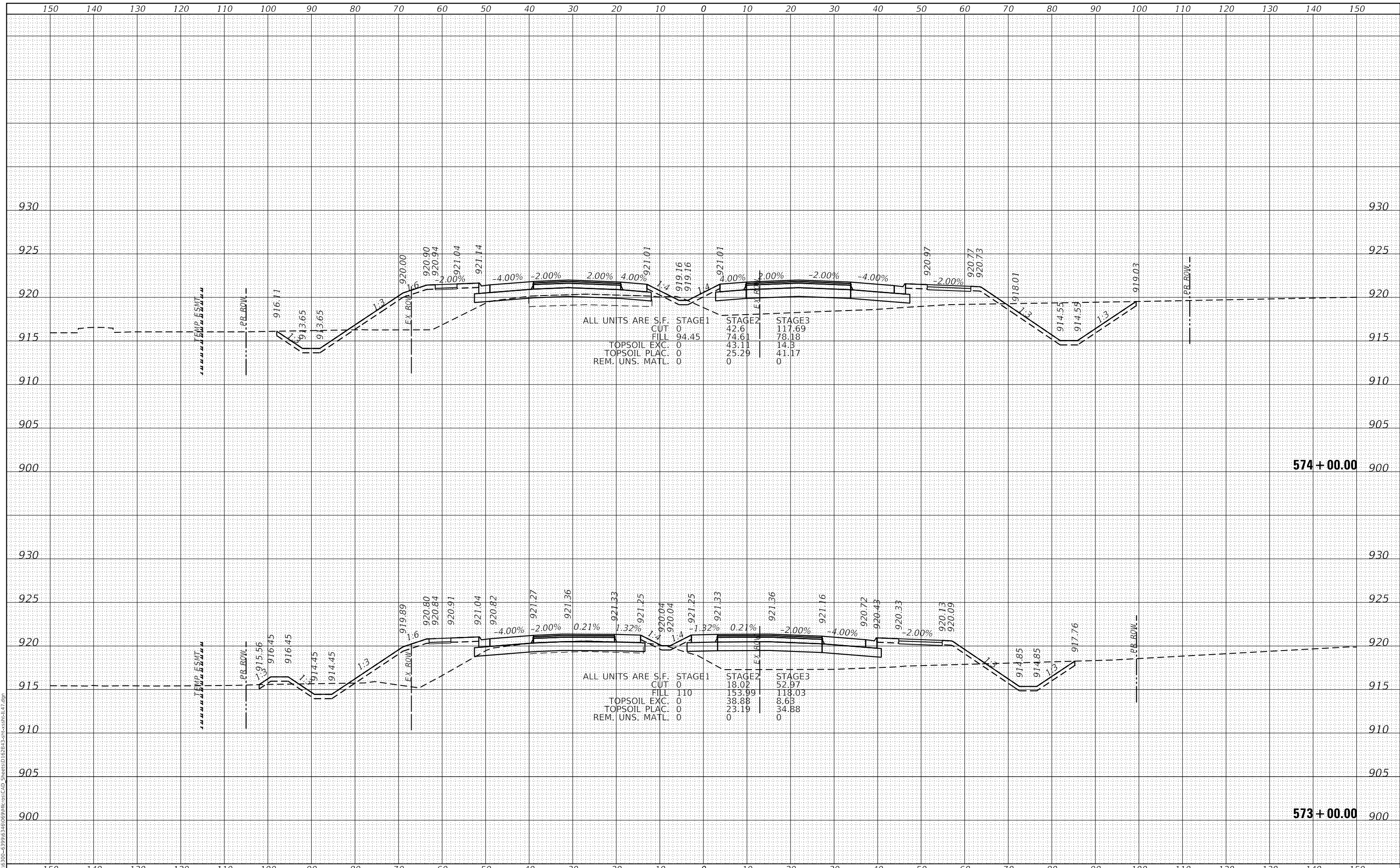
**IL ROUTE 47
 CROSS SECTIONS**
 SCALE: 10H 5V SHEET 10 OF 72 SHEETS STA. 571+85.75 TO STA. 572+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	686
			CONTRACT NO. 62B43	
			ILLINOIS FED. AID PROJECT	

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

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

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1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
STRAND ASSOCIATES*

USER NAME = StevenB	DESIGNED - MAG	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 12/18/2023	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47
 CROSS SECTIONS**

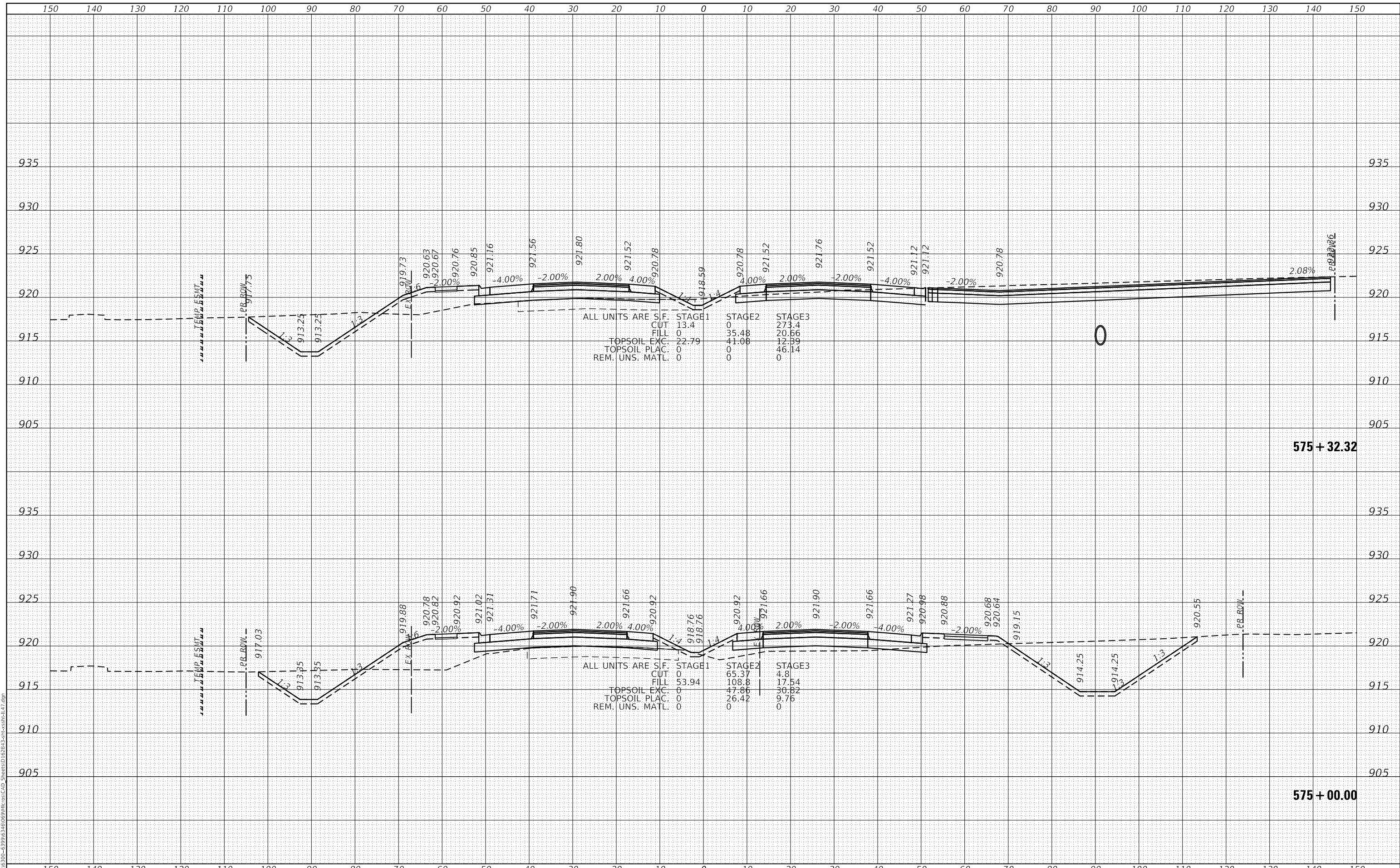
SCALE: 10H 5V SHEET 11 OF 72 SHEETS STA. 573+00.00 TO STA. 574+00.00

F.A.P. RTE. 326	SECTION 105-N-2(15)	COUNTY MCHENRY	TOTAL SHEETS 803	SHEET NO. 687
			CONTRACT NO. 62B43	
ILLINOIS FED. AID PROJECT				

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

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

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STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
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 (815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISIED -
	DRAWN - DJW	REVISIED -
PLOT SCALE = 20.0000' / in.	CHECKED - DWG	REVISIED -
PLOT DATE = 12/18/2023	DATE - 12/15/2023	REVISIED -

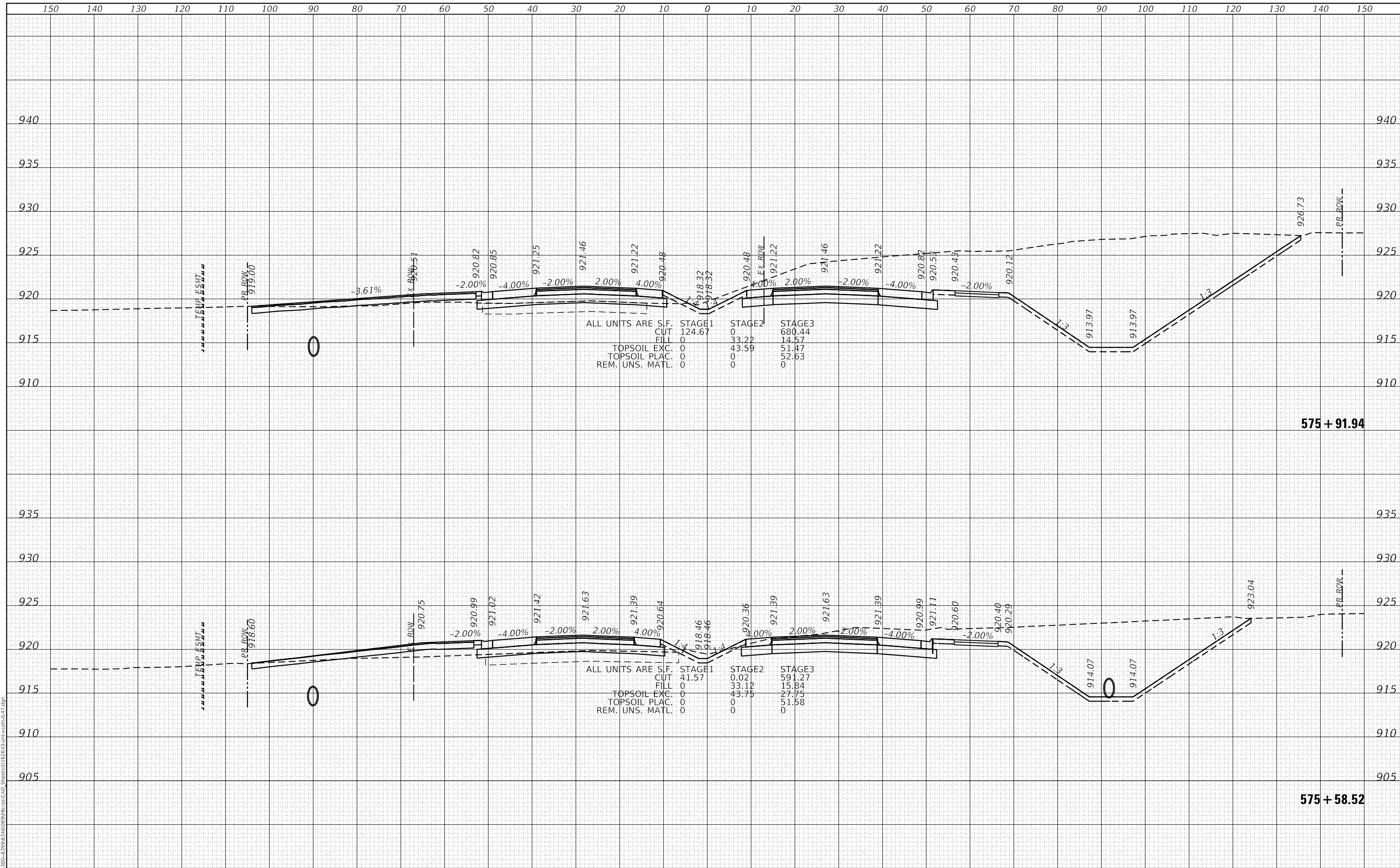
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47
 CROSS SECTIONS**
 SCALE: 10H 5V SHEET 12 OF 72 SHEETS STA. 575+00.00 TO STA. 575+32.32

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	688
			CONTRACT NO. 62B43	
ILLINOIS FED. AID PROJECT				

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

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



MODEL: Defn:ur
 FILE NAME: S:\01\6300-6399\6346\069\m105\CAD_Sheets\162B43-3\crosssec147.dgn
STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 12/18/2023	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47
 CROSS SECTIONS**

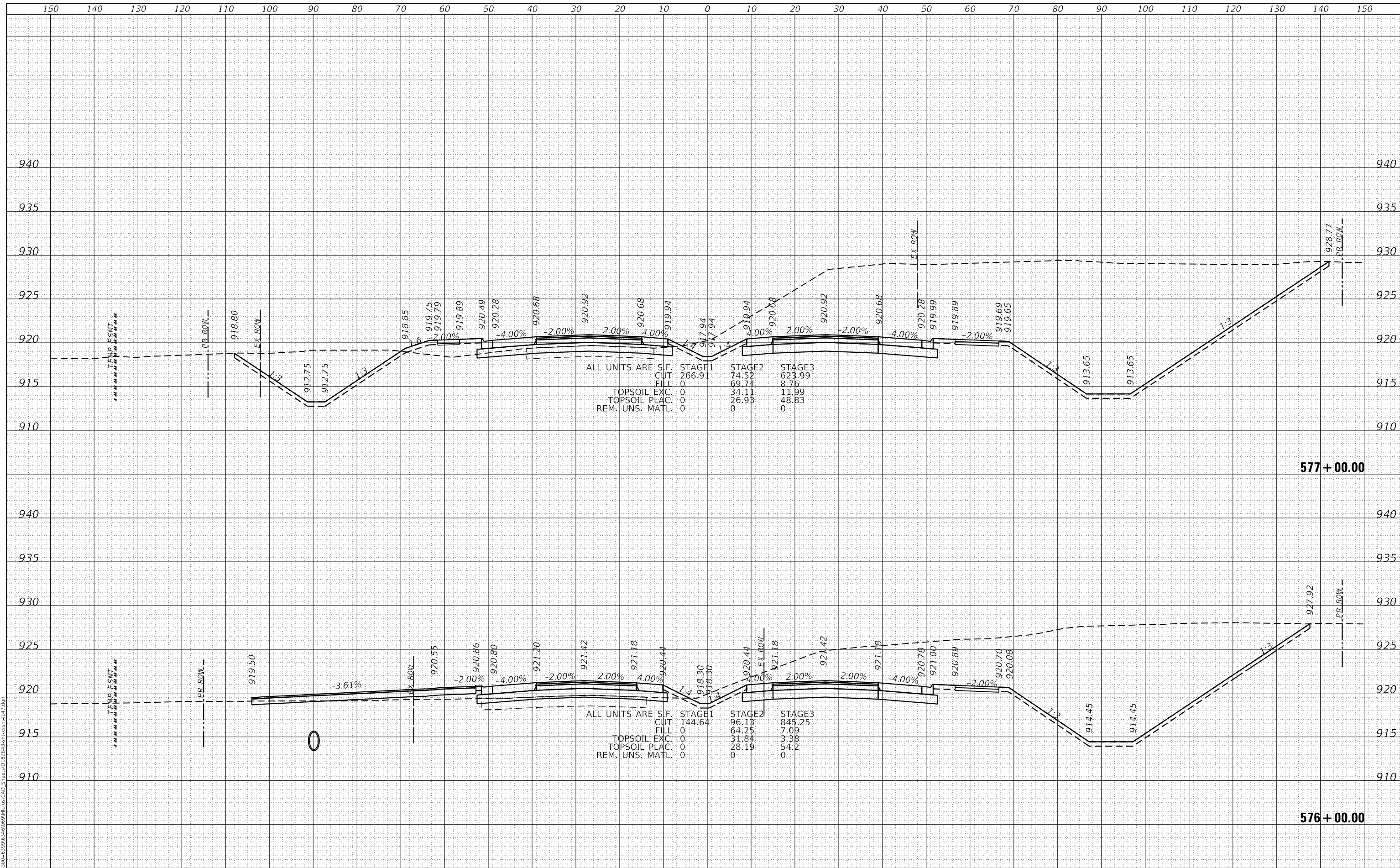
SCALE: 10H 5V SHEET 13 OF 72 SHEETS STA. 575+58.52 TO STA. 575+91.94

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	689
			CONTRACT NO. 62B43	

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	



ALL UNITS ARE S.F.

CUT	266.91
FILL	0
TOPSOIL EXC.	0
TOPSOIL PLAC.	0
REM. UNS. MATL.	0

ALL UNITS ARE S.F.

CUT	144.64
FILL	0
TOPSOIL EXC.	0
TOPSOIL PLAC.	0
REM. UNS. MATL.	0

MODEL: Defn:ur
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STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME	= StevenB
DESIGNED	- MAG
DRAWN	- DJW
PLOT SCALE	= 20.0000' / in.
PLOT DATE	= 12/18/2023

REVISD	-
REVISD	-
REVISD	-
REVISD	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47
 CROSS SECTIONS**

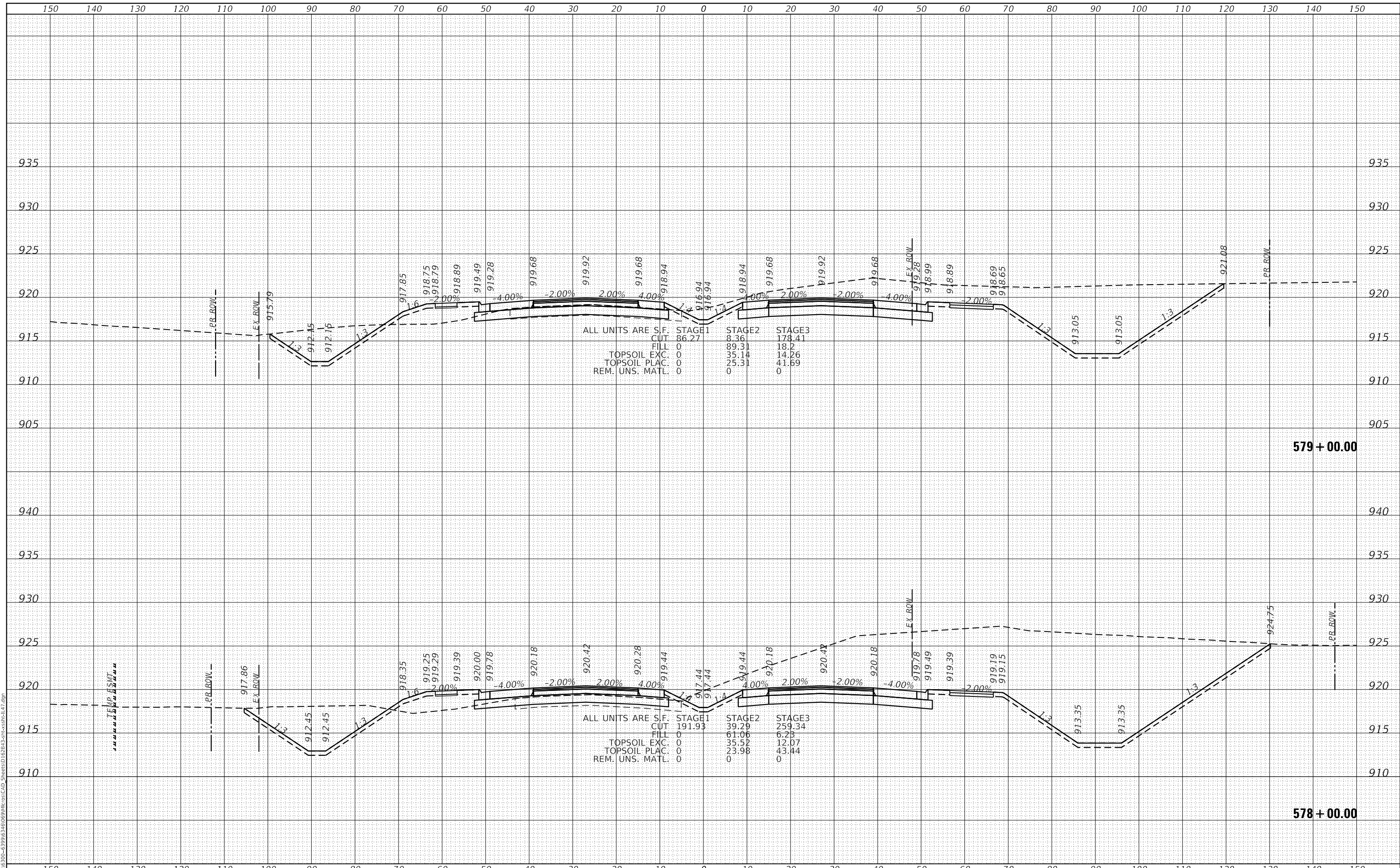
SCALE: 10H 5V SHEET 14 OF 72 SHEETS STA. 576+00.00 TO STA. 577+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	690
			CONTRACT NO. 62B43	
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Defaulr
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ALL UNITS ARE S.F.

CUT	86.27	STAGE1	8.36	STAGE2	178.41
FILL	0		89.31		18.2
TOPSOIL EXC.	0		35.14		14.26
TOPSOIL PLAC.	0		25.31		41.69
REM. UNS. MATL.	0		0		0

ALL UNITS ARE S.F.

CUT	191.93	STAGE1	39.29	STAGE2	259.34
FILL	0		61.06		6.25
TOPSOIL EXC.	0		35.52		12.07
TOPSOIL PLAC.	0		23.98		43.44
REM. UNS. MATL.	0		0		0

STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISD -
	DRAWN - DJW	REVISD -
PLOT SCALE = 20.0000' / in.	CHECKED - DWG	REVISD -
PLOT DATE = 12/18/2023	DATE - 12/15/2023	REVISD -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

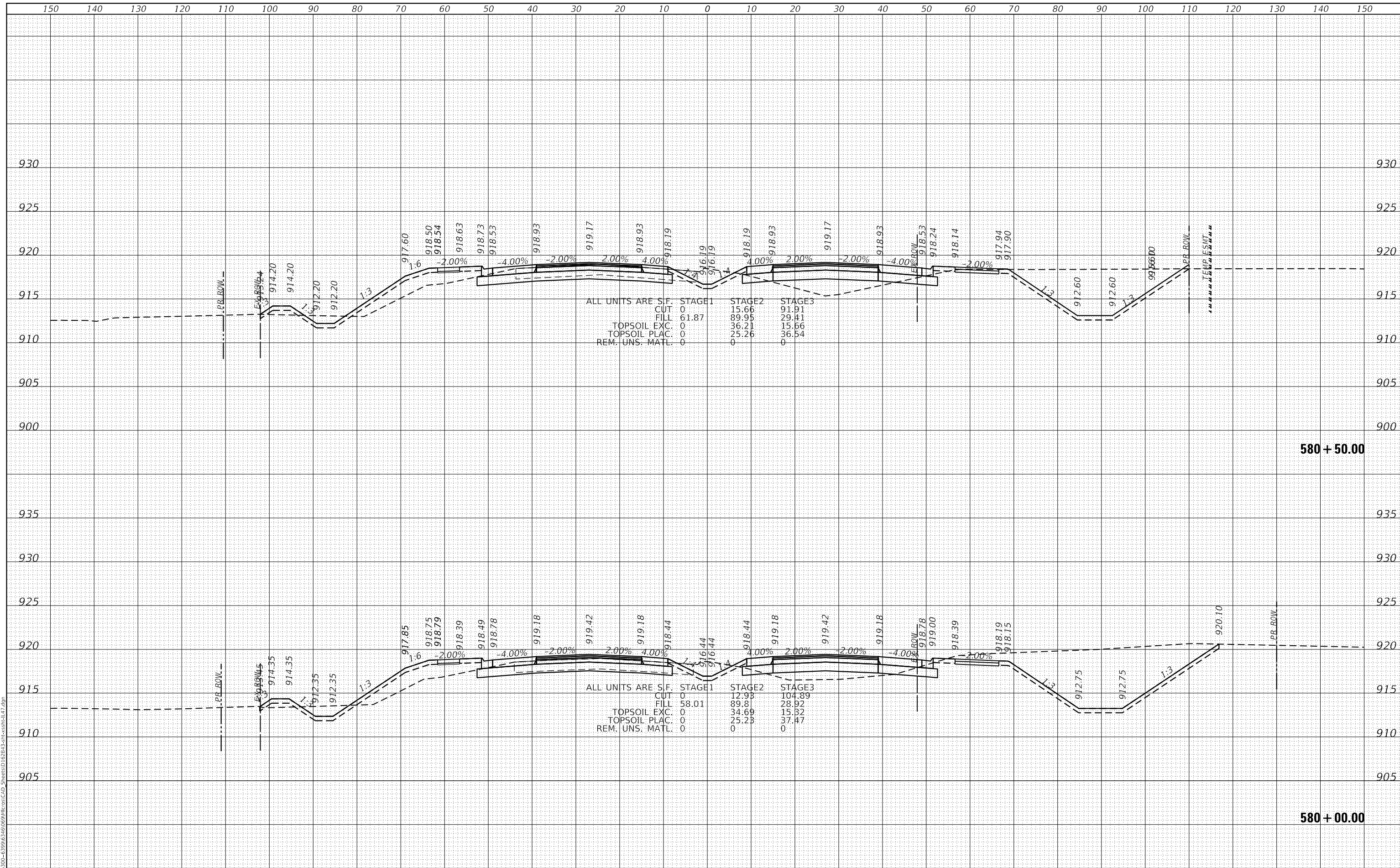
**IL ROUTE 47
 CROSS SECTIONS**

SCALE: 10H 5V SHEET 15 OF 72 SHEETS STA. 578+00.00 TO STA. 579+00.00

F.A.P. RTE. 326	SECTION 105-N-2(15)	COUNTY MCHENRY	TOTAL SHEETS 803	SHEET NO. 691
			CONTRACT NO. 62B43	
ILLINOIS FED. AID PROJECT				

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

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



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STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISD -
	DRAWN - DJW	REVISD -
PLOT SCALE = 20.0000' / in.	CHECKED - DWG	REVISD -
PLOT DATE = 12/18/2023	DATE - 12/15/2023	REVISD -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

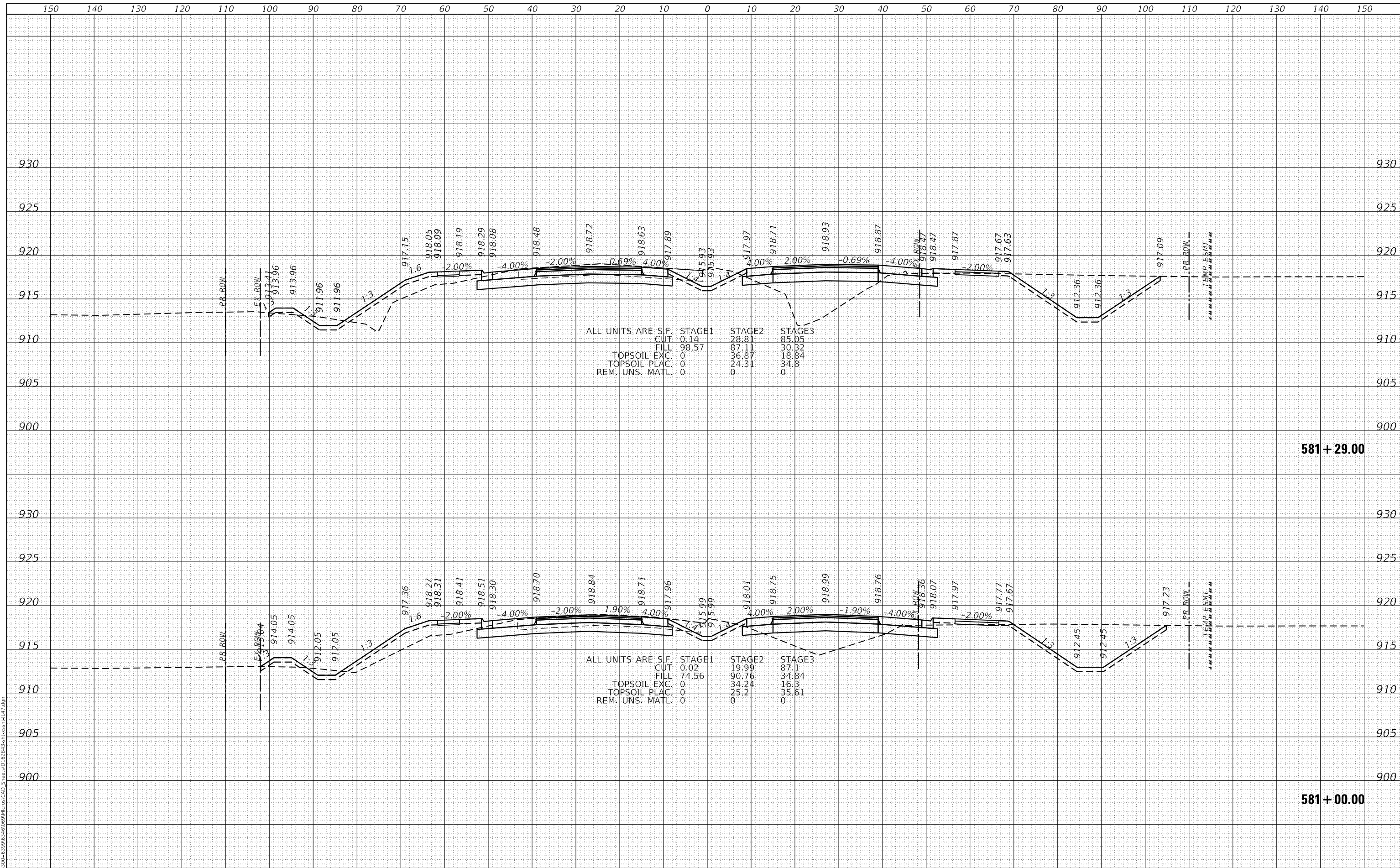
**IL ROUTE 47
 CROSS SECTIONS**

SCALE: 10H 5V SHEET 16 OF 72 SHEETS STA. 580+00.00 TO STA. 580+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	692
			CONTRACT NO. 62B43	
ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



MODEL: Defaul
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STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME	= StevenB
DESIGNED	- MAG
DRAWN	- DJW
CHECKED	- DWG
DATE	- 12/15/2023

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

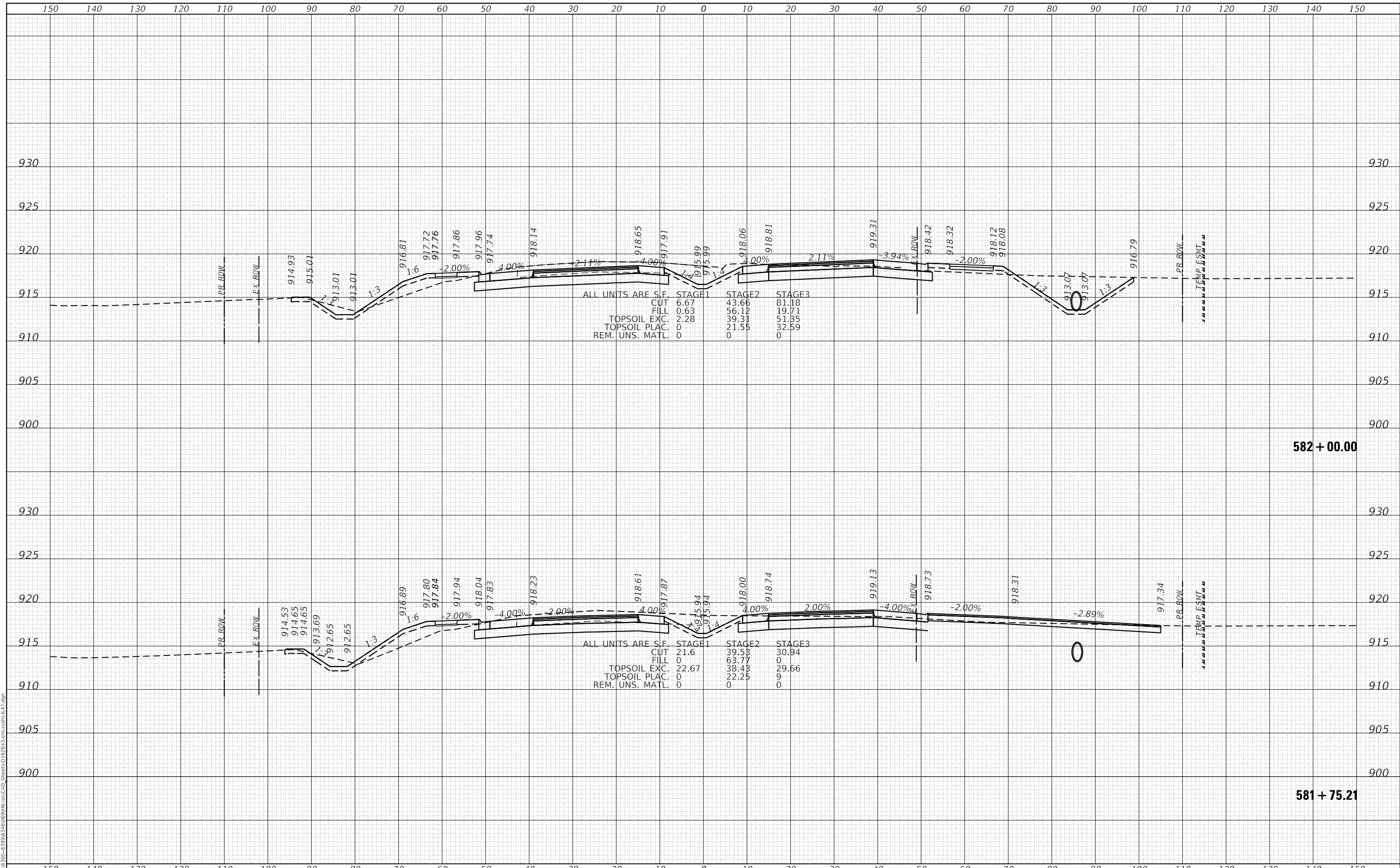
**IL ROUTE 47
 CROSS SECTIONS**
 SCALE: 10H 5V SHEET 17 OF 72 SHEETS STA. 581+00.00 TO STA. 581+29.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	693
			CONTRACT NO. 62B43	
ILLINOIS FED. AID PROJECT				

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

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

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ALL UNITS ARE S.F.

	STAGE1	STAGE2	STAGE3
CUT	6.67	43.66	81.18
FILL	0.63	56.12	19.71
TOPSOIL EXC.	2.28	39.31	51.35
TOPSOIL PLAC.	0	21.55	32.59
REM. UNS. MATL.	0	0	0

ALL UNITS ARE S.F.

	STAGE1	STAGE2	STAGE3
CUT	21.6	39.53	30.94
FILL	0	63.77	0
TOPSOIL EXC.	22.67	38.43	29.66
TOPSOIL PLAC.	0	22.25	9
REM. UNS. MATL.	0	0	0

STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REvised -
	DRAWN - DJW	REvised -
PLOT SCALE = 20.0000' / in.	CHECKED - DWG	REvised -
PLOT DATE = 12/18/2023	DATE - 12/15/2023	REvised -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47
 CROSS SECTIONS**

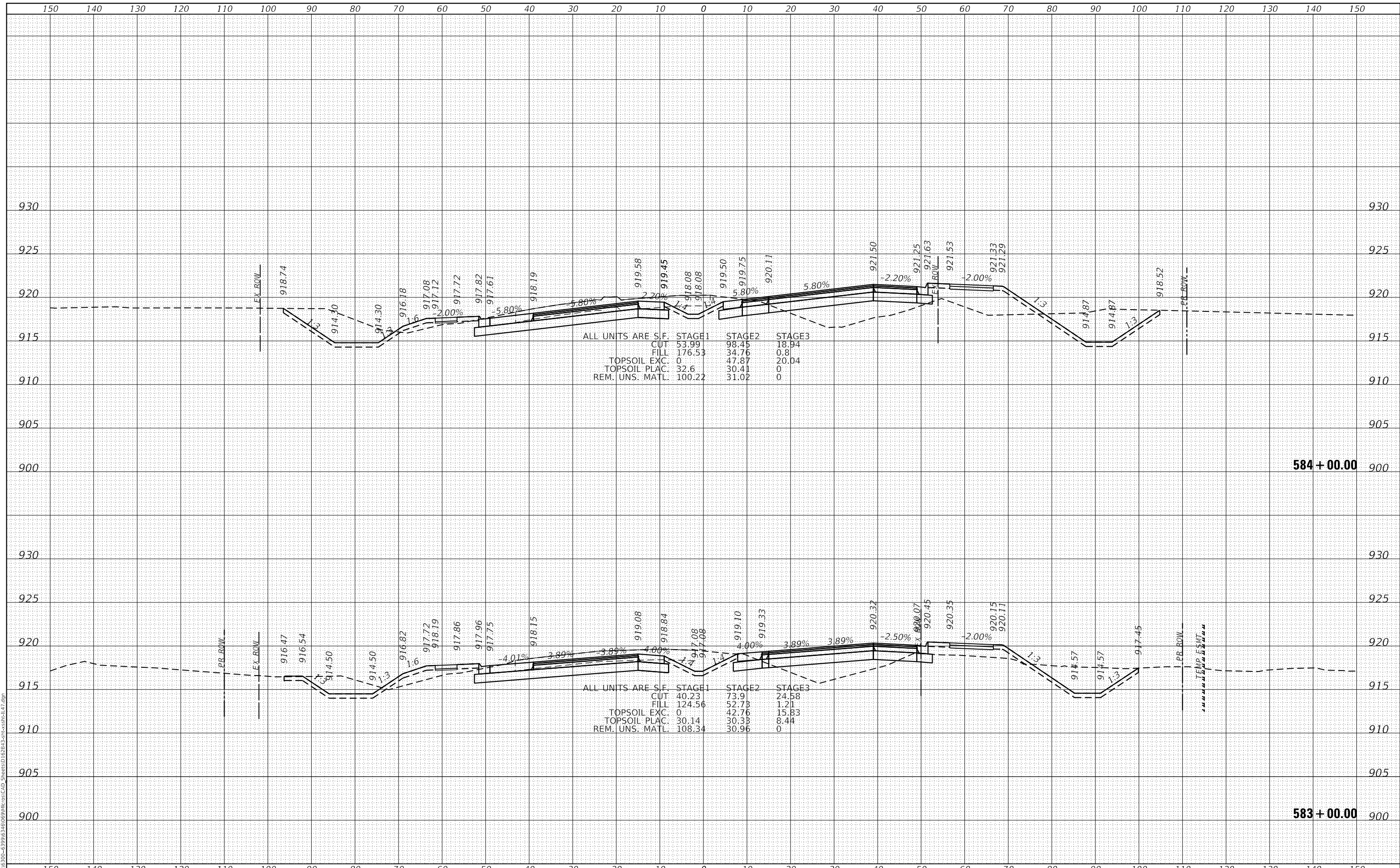
SCALE: 10H 5V SHEET 18 OF 72 SHEETS STA. 581+75.21 TO STA. 582+00.00

F.A.P. RTE. 326	SECTION 105-N-2(15)	COUNTY MCHENRY	TOTAL SHEETS 803	SHEET NO. 694
			CONTRACT NO. 62B43	
ILLINOIS FED. AID PROJECT				

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

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

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STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 12/18/2023	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

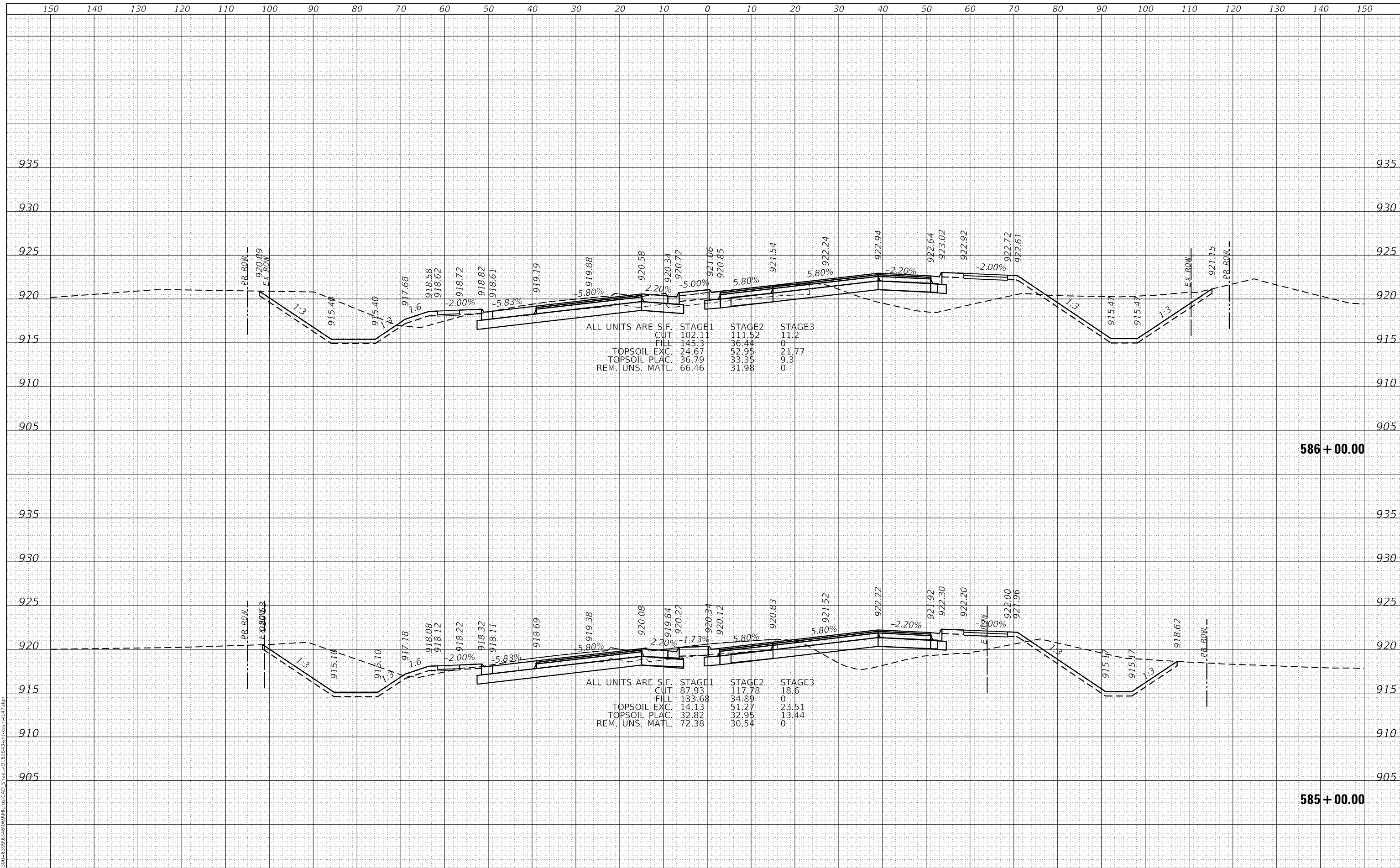
**IL ROUTE 47
 CROSS SECTIONS**

SCALE: 10H 5V SHEET 19 OF 72 SHEETS STA. 583+00.00 TO STA. 584+00.00

F.A.P. RTE. 326	SECTION 105-N-2(15)	COUNTY MCHENRY	TOTAL SHEETS 803	SHEET NO. 695
			CONTRACT NO. 62B43	
ILLINOIS FED. AID PROJECT				

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



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STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISD -
	DRAWN - DJW	REVISD -
PLOT SCALE = 20.0000' / in.	CHECKED - DWG	REVISD -
PLOT DATE = 12/18/2023	DATE - 12/15/2023	REVISD -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47
 CROSS SECTIONS**

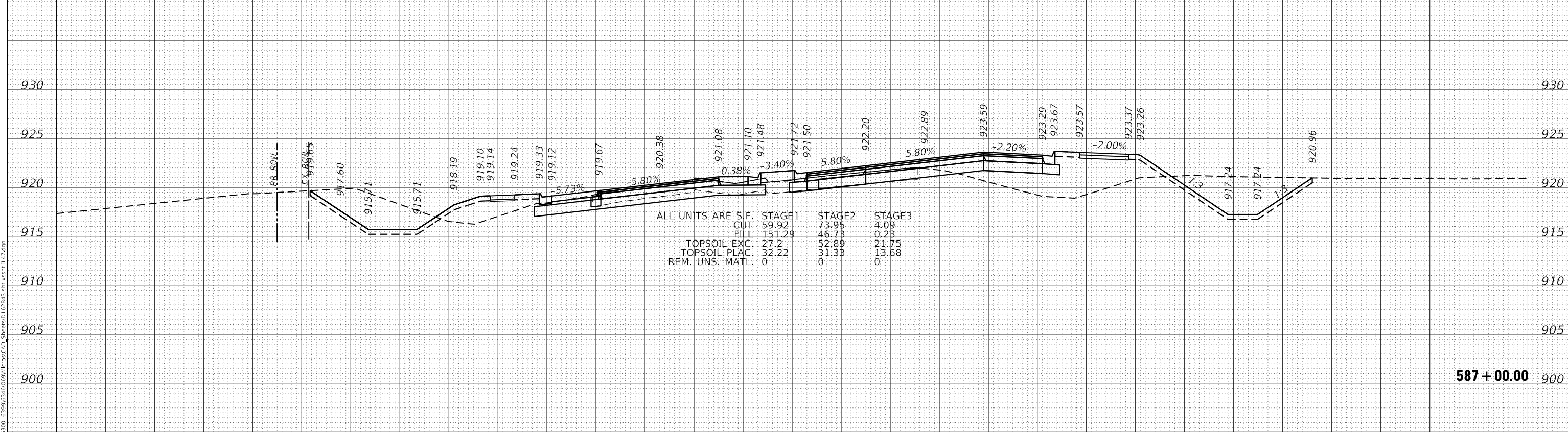
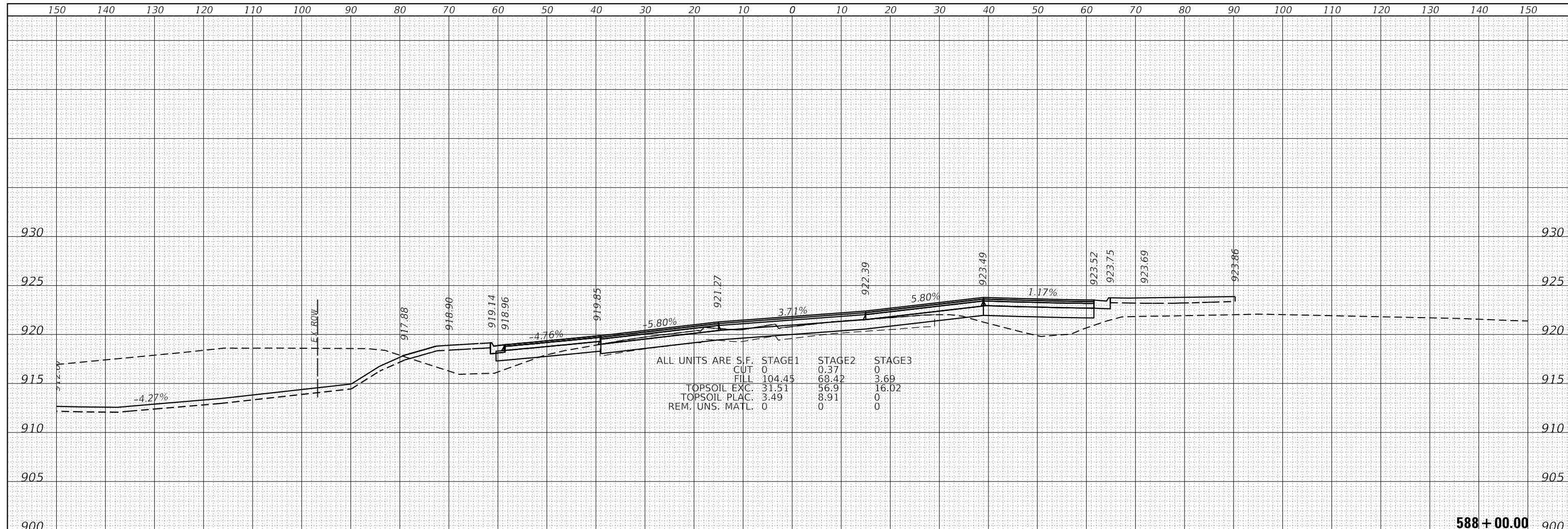
SCALE: 10H 5V SHEET 20 OF 72 SHEETS STA. 585+00.00 TO STA. 586+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	696
			CONTRACT NO. 62B43	
ILLINOIS FED. AID PROJECT				

BY	DATE

BY	DATE

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USER NAME	= StevenB
DESIGNED	- MAG
DRAWN	- DJW
CHECKED	- DWG
DATE	- 12/15/2023

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

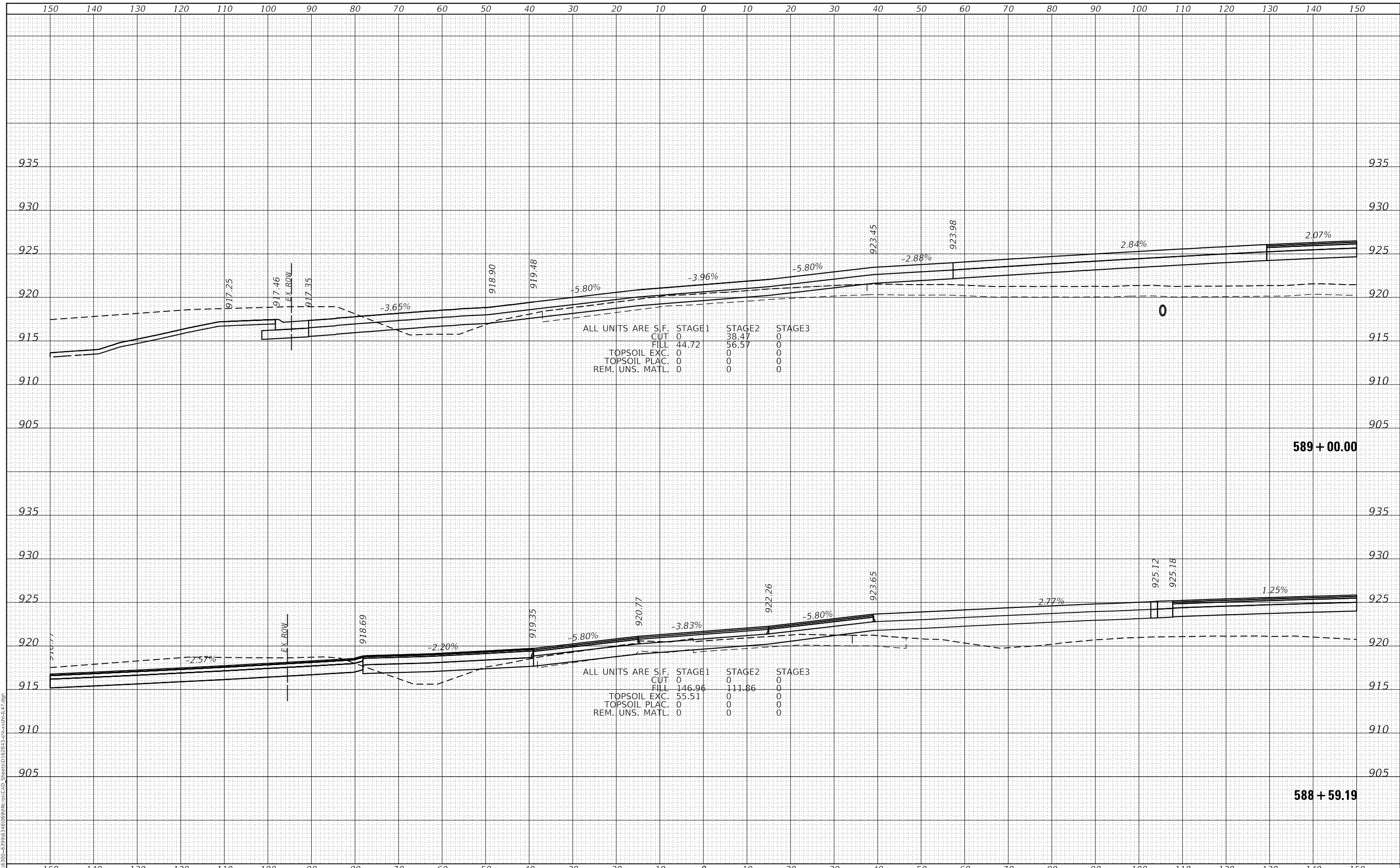
IL ROUTE 47
CROSS SECTIONS

SCALE: 10H 5V SHEET 21 OF 72 SHEETS STA. 587+00.00 TO STA. 588+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	697
		CONTRACT NO. 62B43		
ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



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STRAND ASSOCIATES*
 1170 SOUTH HOUBOLT ROAD
 JULIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISD -
	DRAWN - DJW	REVISD -
PLOT SCALE = 20.0000' / in.	CHECKED - DWG	REVISD -
PLOT DATE = 12/18/2023	DATE - 12/15/2023	REVISD -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47
 CROSS SECTIONS**

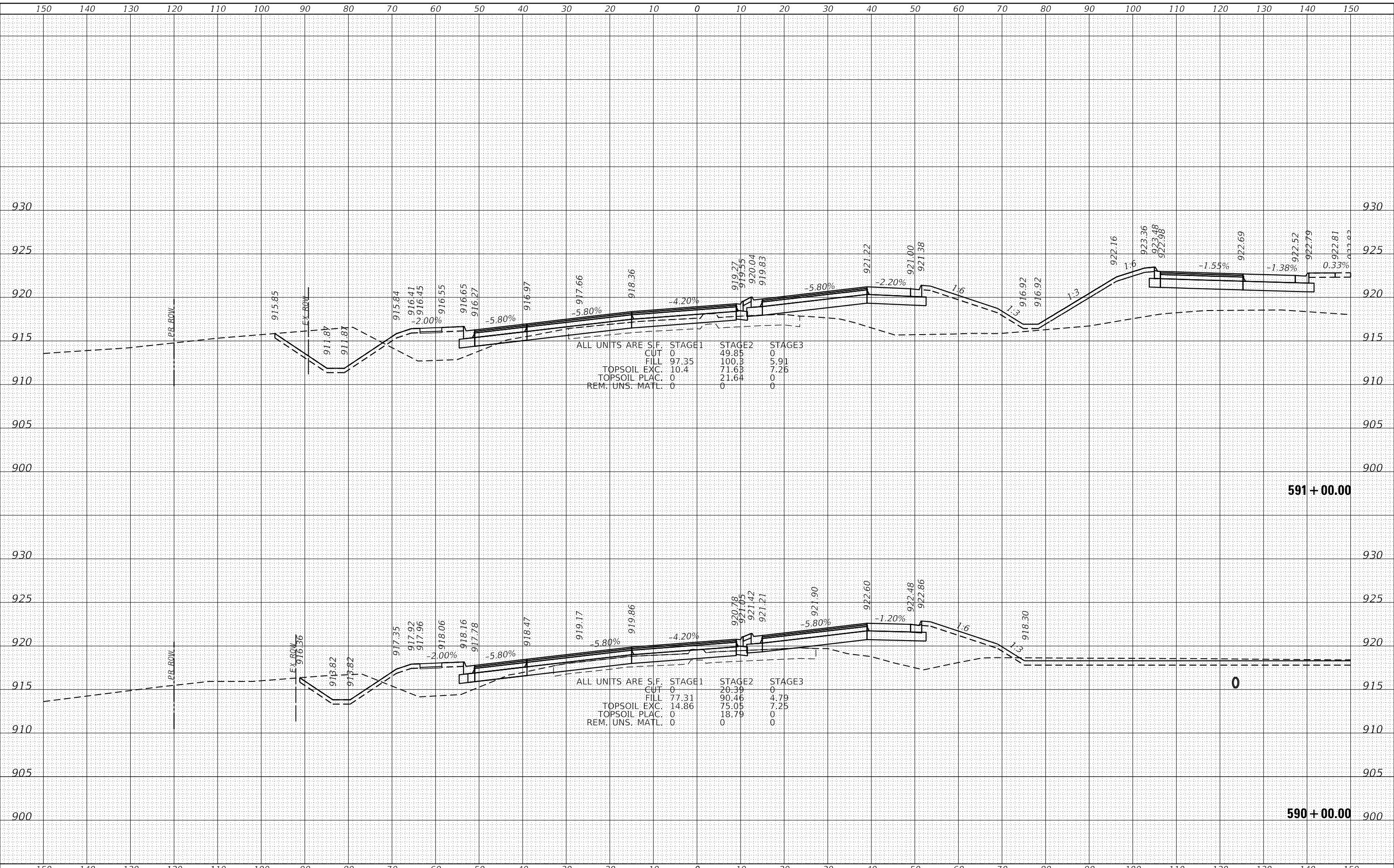
SCALE: 10H 5V SHEET 22 OF 72 SHEETS STA. 588+59.19 TO STA. 589+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	698
			CONTRACT NO. 62B43	
		ILLINOIS FED. AID PROJECT		

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

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

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
STRAND ASSOCIATES* (815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 12/18/2023	DATE - 12/15/2023	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

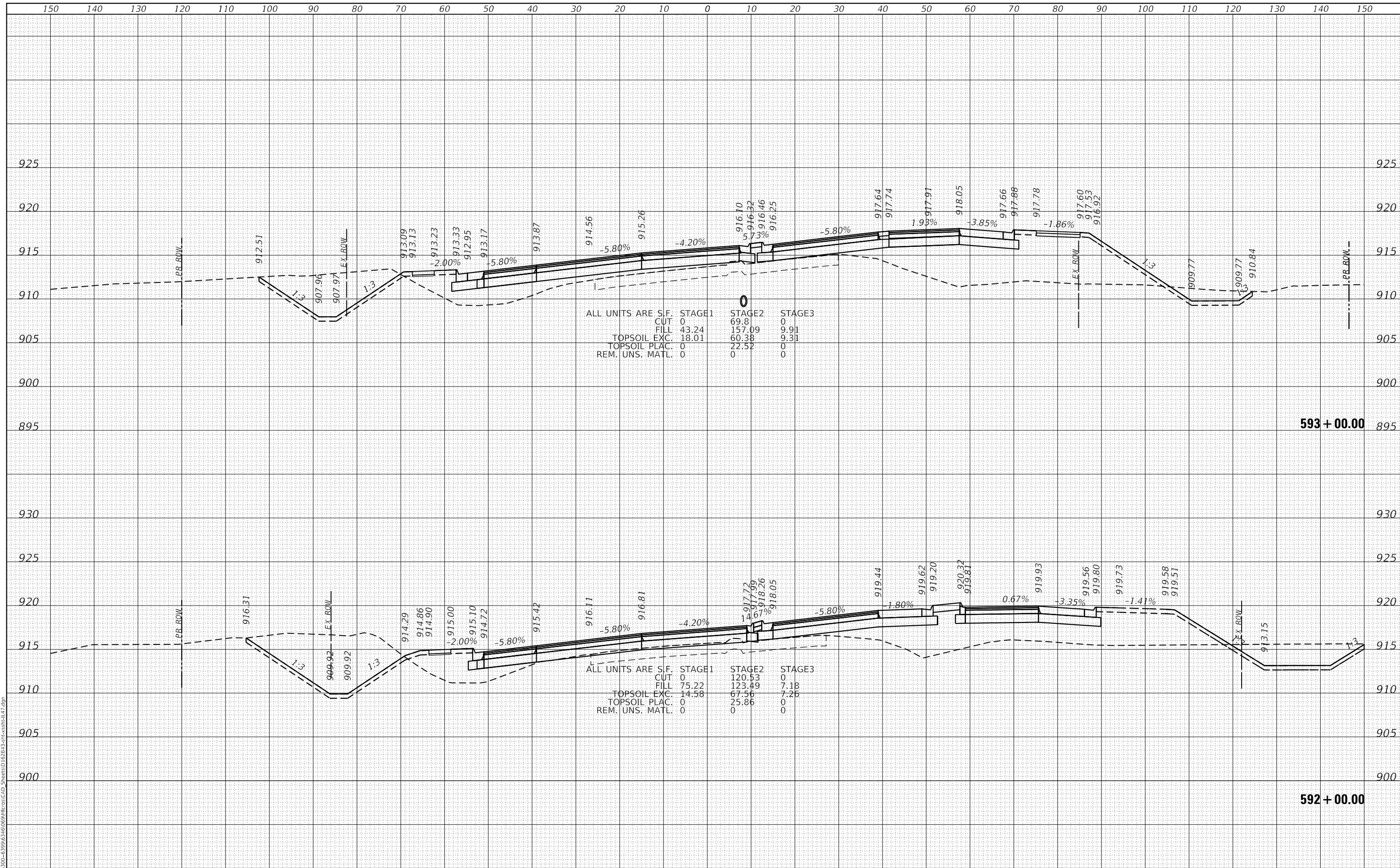
IL ROUTE 47
CROSS SECTIONS

SCALE: 10H 5V SHEET 23 OF 72 SHEETS STA. 590+00.00 TO STA. 591+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	699
			CONTRACT NO. 62B43	
ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



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 FILE NAME: S:\01\6300-6399\6346\069\mhc\cadd\SheetD162B43-3p\crosssec147.dgn
STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = StevenB	DESIGNED - MAG	REVISED -
	DRAWN - DJW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - DWG	REVISED -
PLOT DATE = 12/18/2023	DATE - 12/15/2023	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 47
 CROSS SECTIONS**

SCALE: 10H 5V SHEET 24 OF 72 SHEETS STA. 592+00.00 TO STA. 593+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	105-N-2(15)	MCHENRY	803	700
			CONTRACT NO. 62B43	

ILLINOIS FED. AID PROJECT