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TWM, INC.
 www.twm-inc.com
 IL DESIGN FIRM
 LICENSE NO: 184-001220

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PLOT SCALE = 40.0000 ' / in.
PLOT DATE = 6/24/2025

DESIGNED - EKF	REVISED -
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CHECKED - JWS	REVISED -
DATE - 06/2025	REVISED -



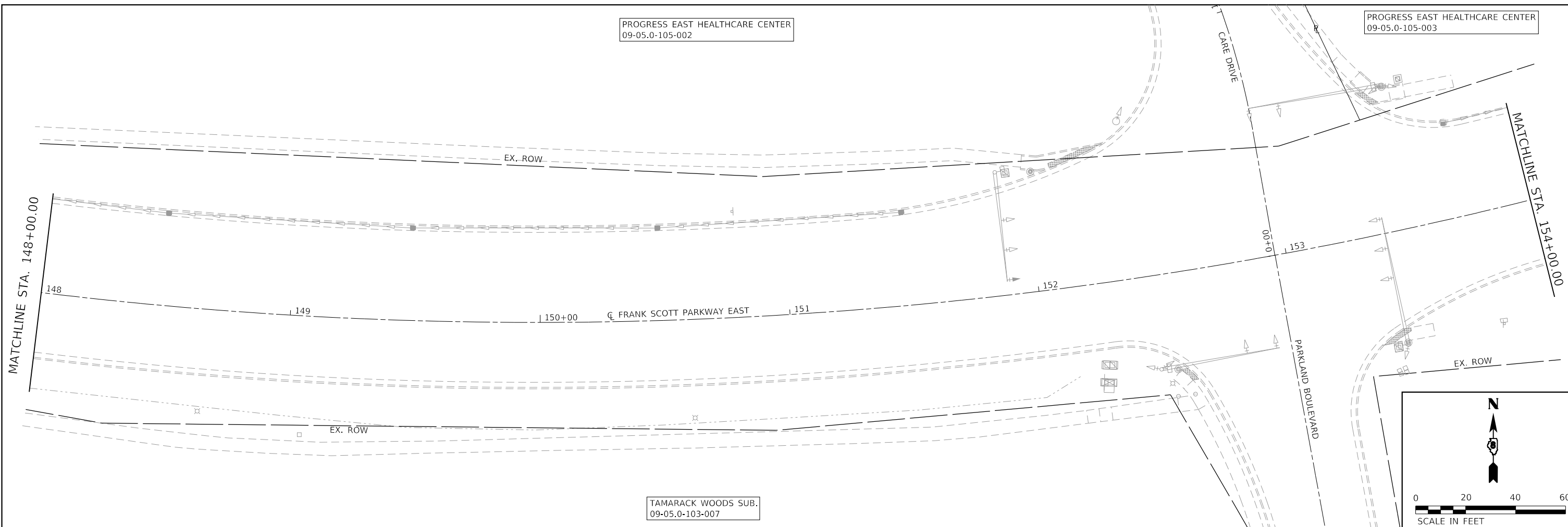
**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

ROW PLAN			
SCALE: 1"=20'	SHEET 5	OF 7 SHEETS	STA. 136+00.00 TO STA. 148+00.00

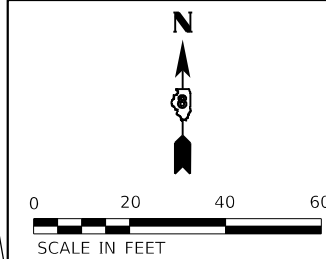
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	101
CONTRACT NO. 97872				
ILLINOIS FED. AID PROJECT				

PROGRESS EAST HEALTHCARE CENTER
09-05.0-105-002

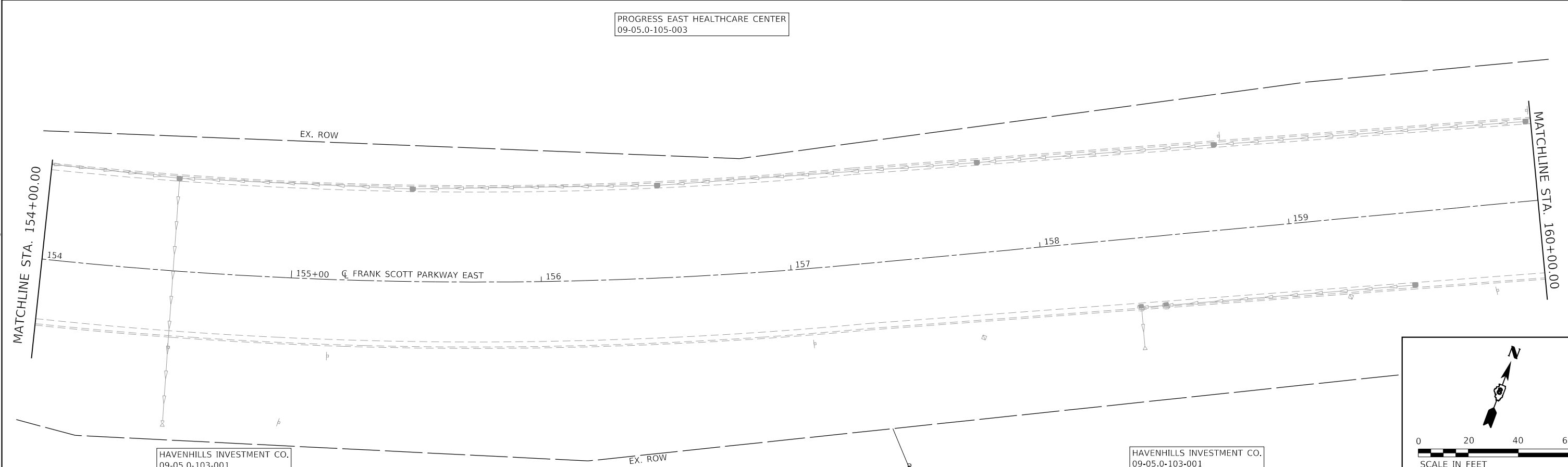
PROGRESS EAST HEALTHCARE CENTER
09-05.0-105-003



TAMARACK WOODS SUB.
09-05.0-103-007

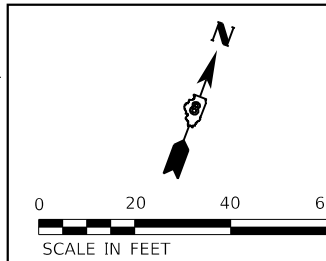


PROGRESS EAST HEALTHCARE CENTER
09-05.0-105-003



HAVENHILLS INVESTMENT CO.
09-05.0-103-001

HAVENHILLS INVESTMENT CO.
09-05.0-103-001



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TWM
ENGINEERING
GEOSPATIAL SERVICES

TWM, INC.
www.twm-inc.com
IL DESIGN FIRM
LICENSE NO:
184-001220

USER NAME = efisher	DESIGNED - EKF	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN - EKF/KDD	REVISED -
PLOT DATE = 6/24/2025	CHECKED - JWS	REVISED -
	DATE - 06/2025	REVISED -



**ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES**

ROW PLAN

SCALE: 1"=20' SHEET 6 OF 7 SHEETS STA. 148+00.00 TO STA. 160+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	102
CONTRACT NO. 97872				
ILLINOIS FED. AID PROJECT				

PROGRESS EAST HEALTHCARE CENTER
09-05.0-105-003

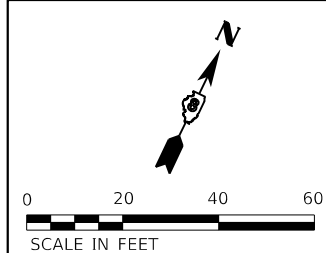
METRO EAST SERVICES INC
09-05.0-208-009

HAVENHILLS INVESTMENT CO.
09-05.0-103-001

TRDS LLC
09-05.0-104-003

MATCHLINE STA. 160+00.00

160+00 | 161 | 162 | 163 | 164 | 165+00 | 166



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	DRAWN - EKF/KDD	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - JWS	REVISED -
PLOT DATE = 6/24/2025	DATE - 06/2025	REVISED -



**ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES**

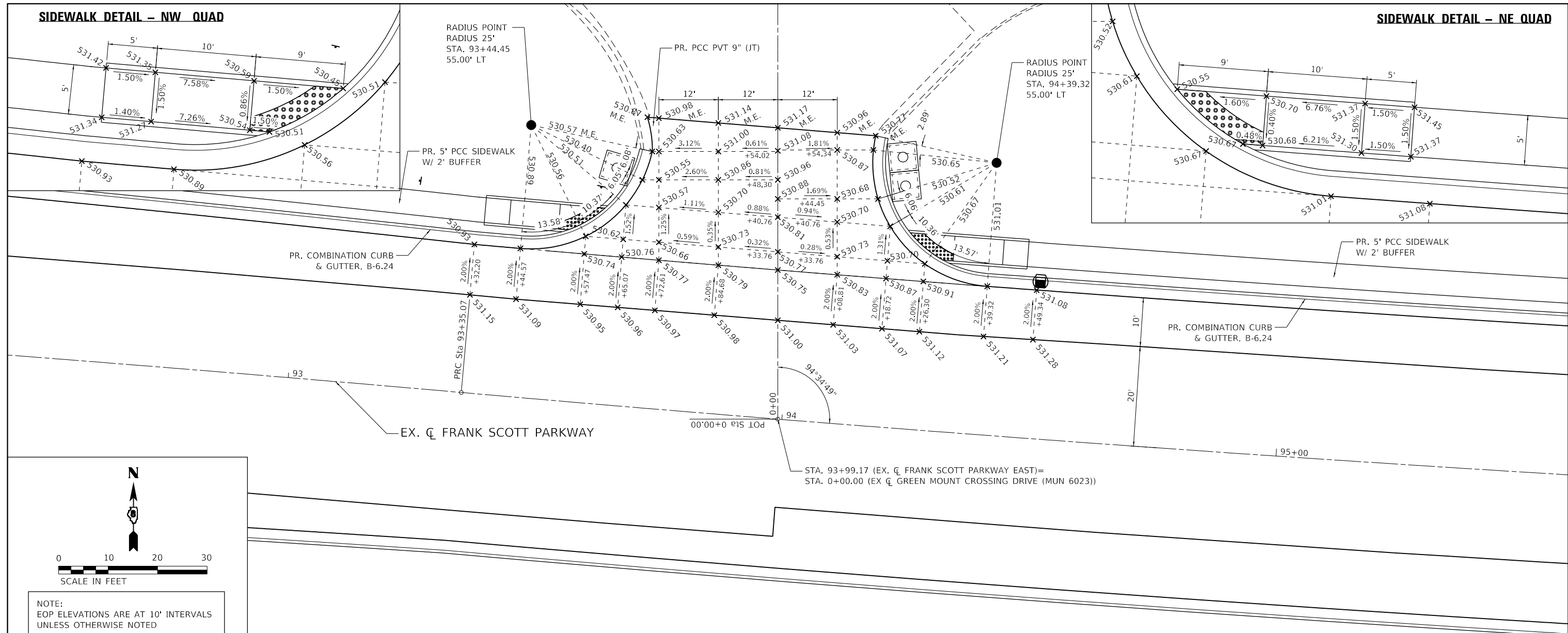
ROW PLAN

SCALE: 1"=20' SHEET 7 OF 7 SHEETS STA. 160+00.00 TO STA. 161+94.28

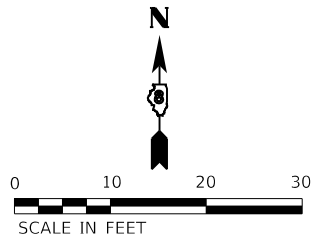
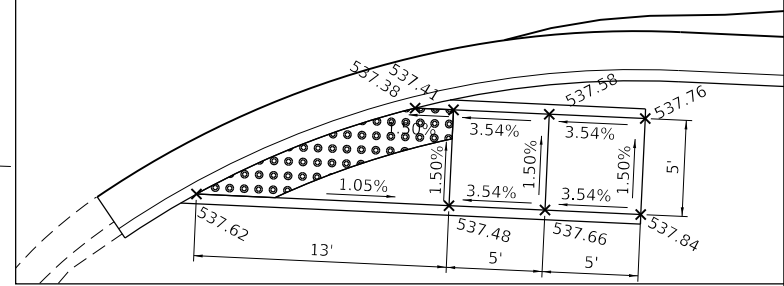
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	103
CONTRACT NO. 97872				
ILLINOIS FED. AID PROJECT				

SIDEWALK DETAIL – NW QUAD

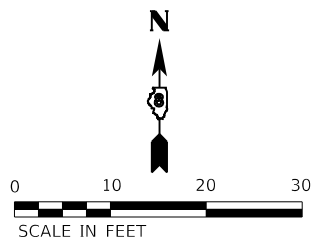
SIDEWALK DETAIL – NE QUAD



SIDEWALK DETAIL – NE QUAD



NOTE:
EOP ELEVATIONS ARE AT 10' INTERVALS
UNLESS OTHERWISE NOTED



NOTE:
EOP ELEVATIONS ARE AT 10' INTERVALS
UNLESS OTHERWISE NOTED

BLUE SPRING PLAZA

**ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES**

**INTERSECTION DETAILS
GREEN MOUNT CROSSING DRIVE**

SCALE: 1"=10' SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	104
CONTRACT NO. 97872				

ILLINOIS FED. AID PROJECT

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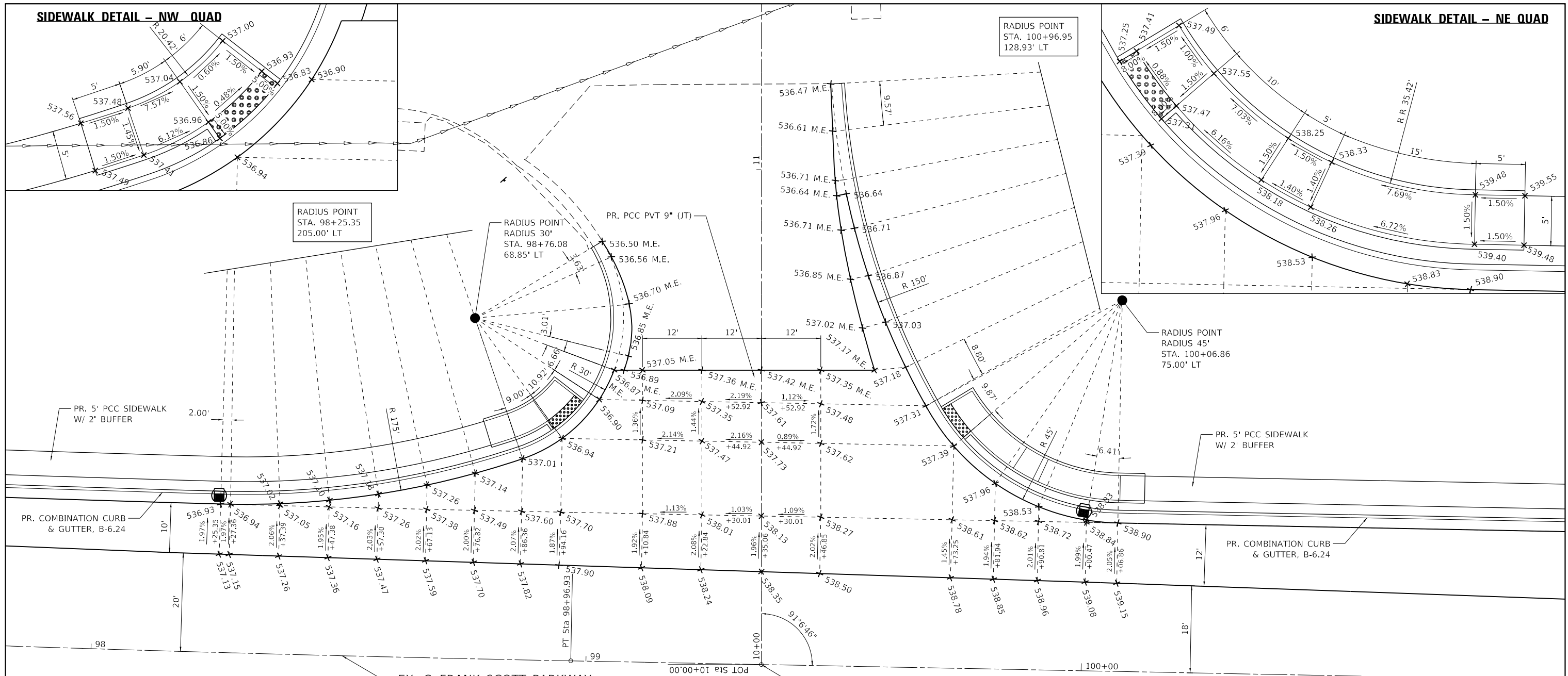
TWM, INC.
www.twm-inc.com
IL DESIGN FIRM
LICENSE NO:
184-001220

USER NAME = efisher	DESIGNED - EKF	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - EKF/KDD	REVISED -
PLOT DATE = 6/17/2025	CHECKED - JWS	REVISED -
	DATE - 06/2025	REVISED -



SIDEWALK DETAIL - NW QUAD

SIDEWALK DETAIL - NE QUAD



NOTE:
EOP ELEVATIONS ARE AT 10' INTERVALS
UNLESS OTHERWISE NOTED

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TWM, INC.
www.twm-inc.com
ILLINOIS DESIGN FIRM
LICENSE NO: 184-001220

USER NAME = efisher	DESIGNED - EKF	REVISED -
DRAWN - EKF/KDD	REVISED -	
PLOT SCALE = 20.0000' / in.	CHECKED - JWS	REVISED -
PLOT DATE = 6/17/2025	DATE - 06/2025	REVISED -



**ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES**

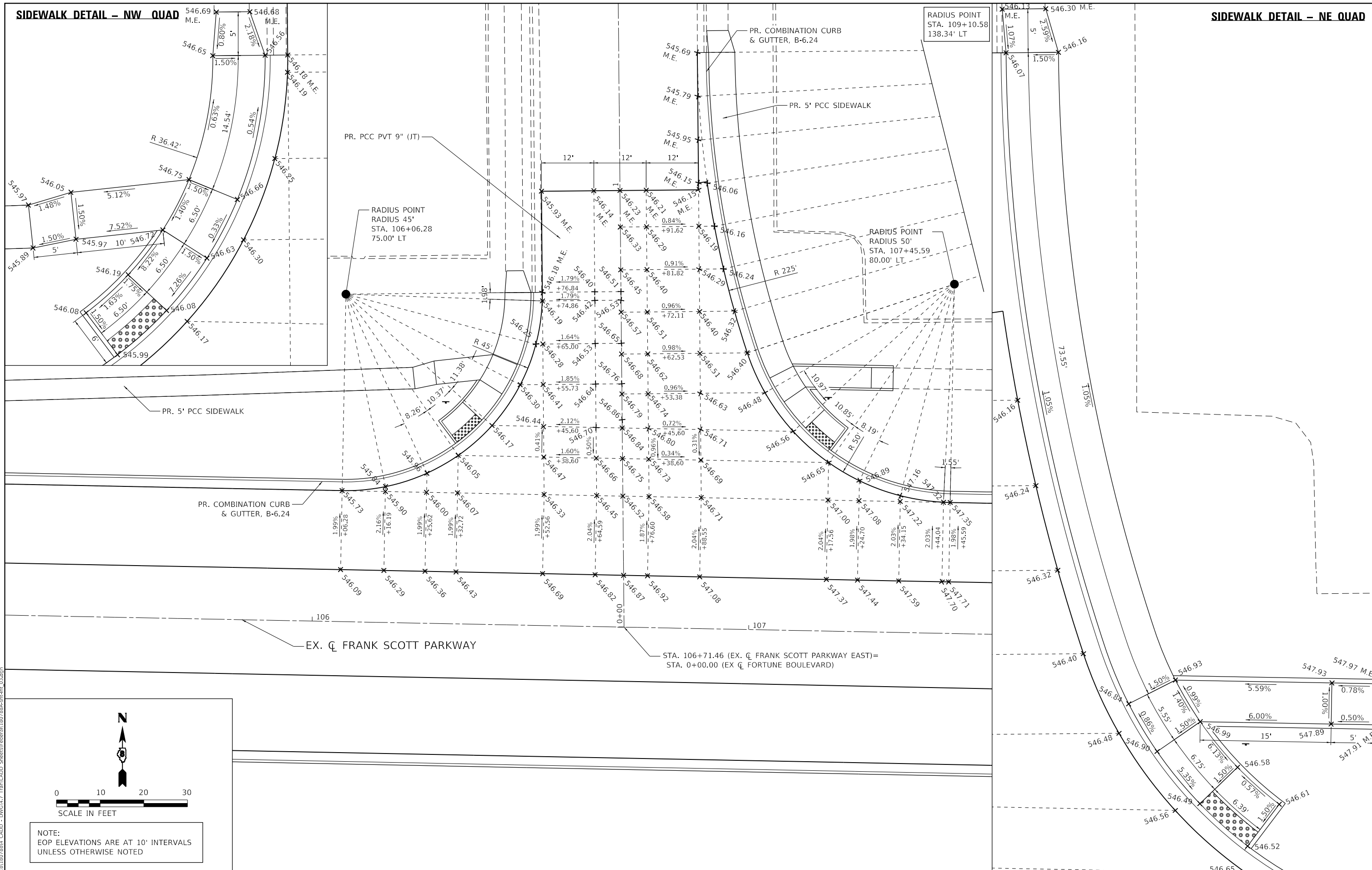
**INTERSECTION DETAILS
GREEN MOUNT CROSSING DRIVE**

SCALE: 1"=10' SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	105
CONTRACT NO. 97872				
ILLINOIS FED. AID PROJECT				

SIDEWALK DETAIL – NW QUAD

SIDEWALK DETAIL – NE QUAD



NOTE:
EOP ELEVATIONS ARE AT 10' INTERVALS
UNLESS OTHERWISE NOTED

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TWM, INC.
 www.twm-inc.com
 ILL. DESIGN FIRM
 LICENSE NO.:
 184-001220

USER NAME = efisher
 DESIGNED - EKF
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 CHECKED - JWS
 DATE - 06/2025

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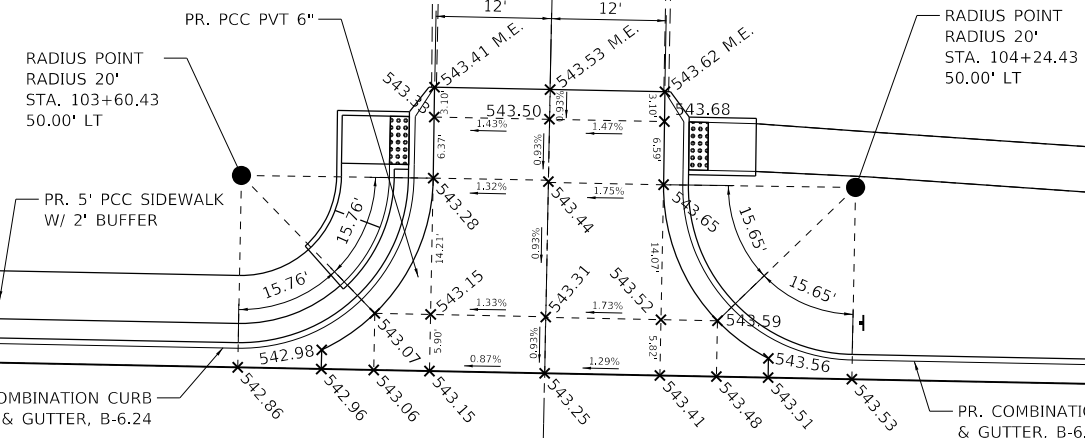
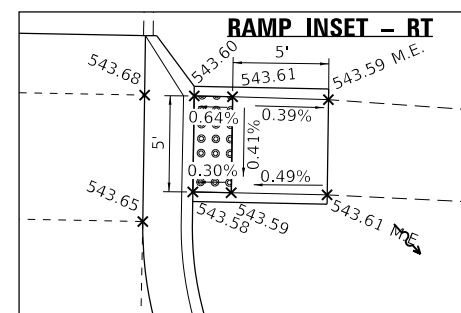
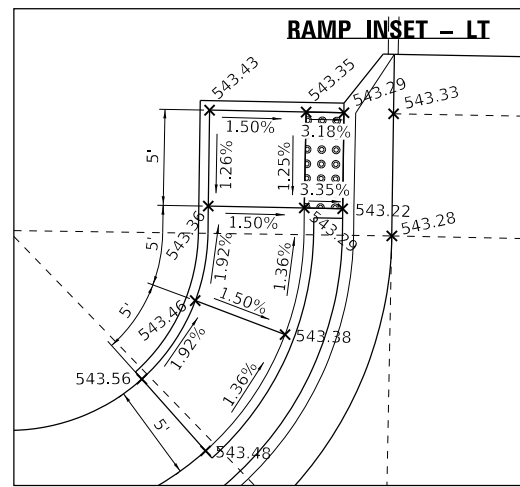


**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

**INTERSECTION DETAILS
 FORTUNE BOULEVARD**

SCALE: 1"=10' SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	106
ILLINOIS FED. AID PROJECT			CONTRACT NO. 97872	



103

104

105+00

EX. CL FRANK SCOTT PARKWAY

18'
12'
13'
17'



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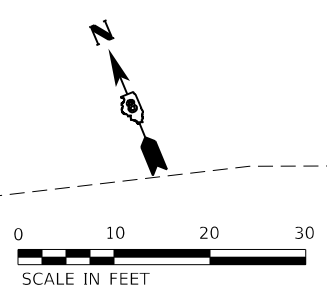
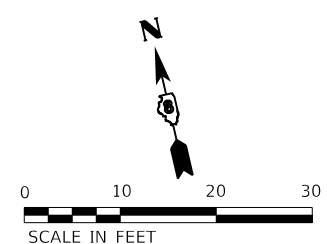
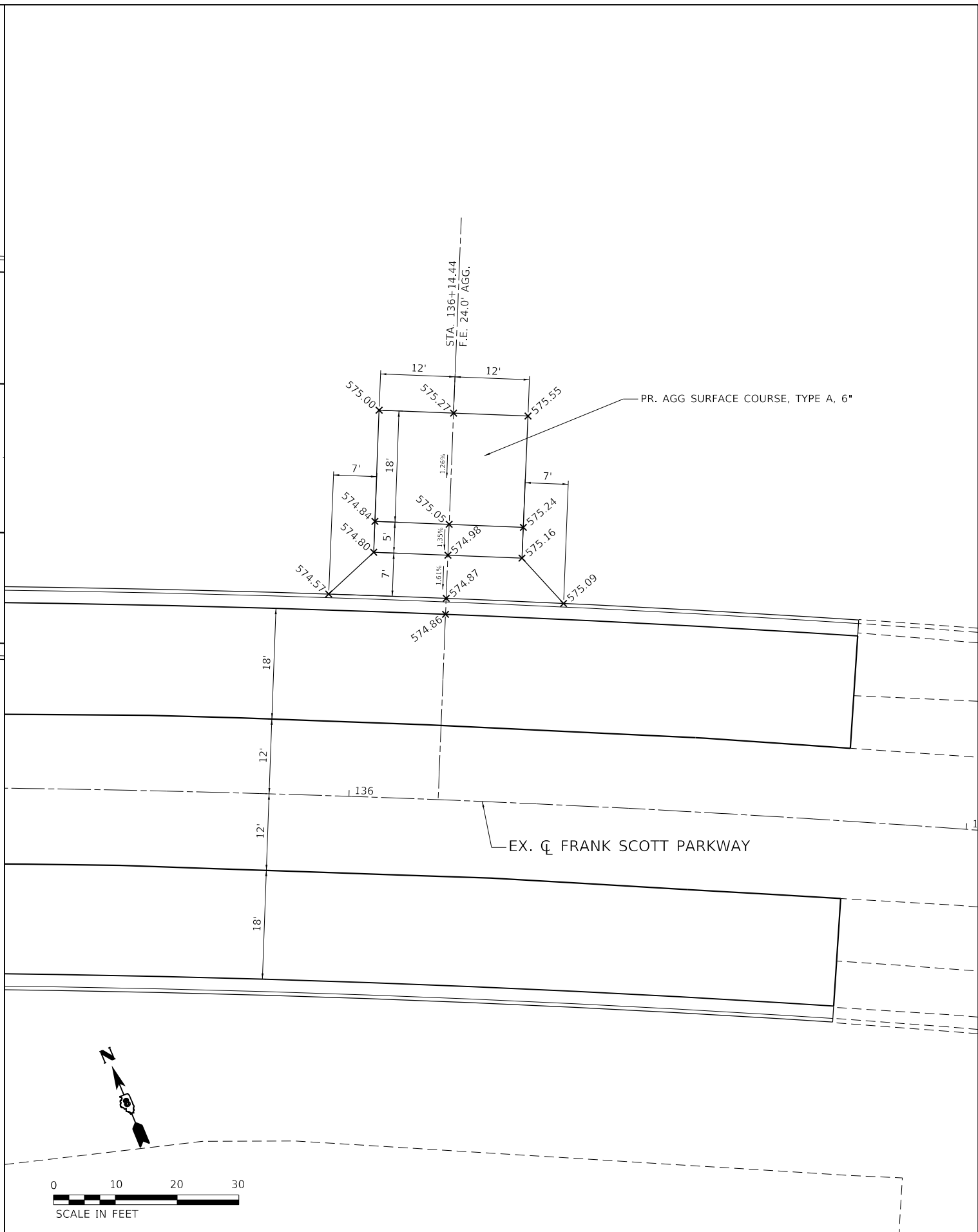
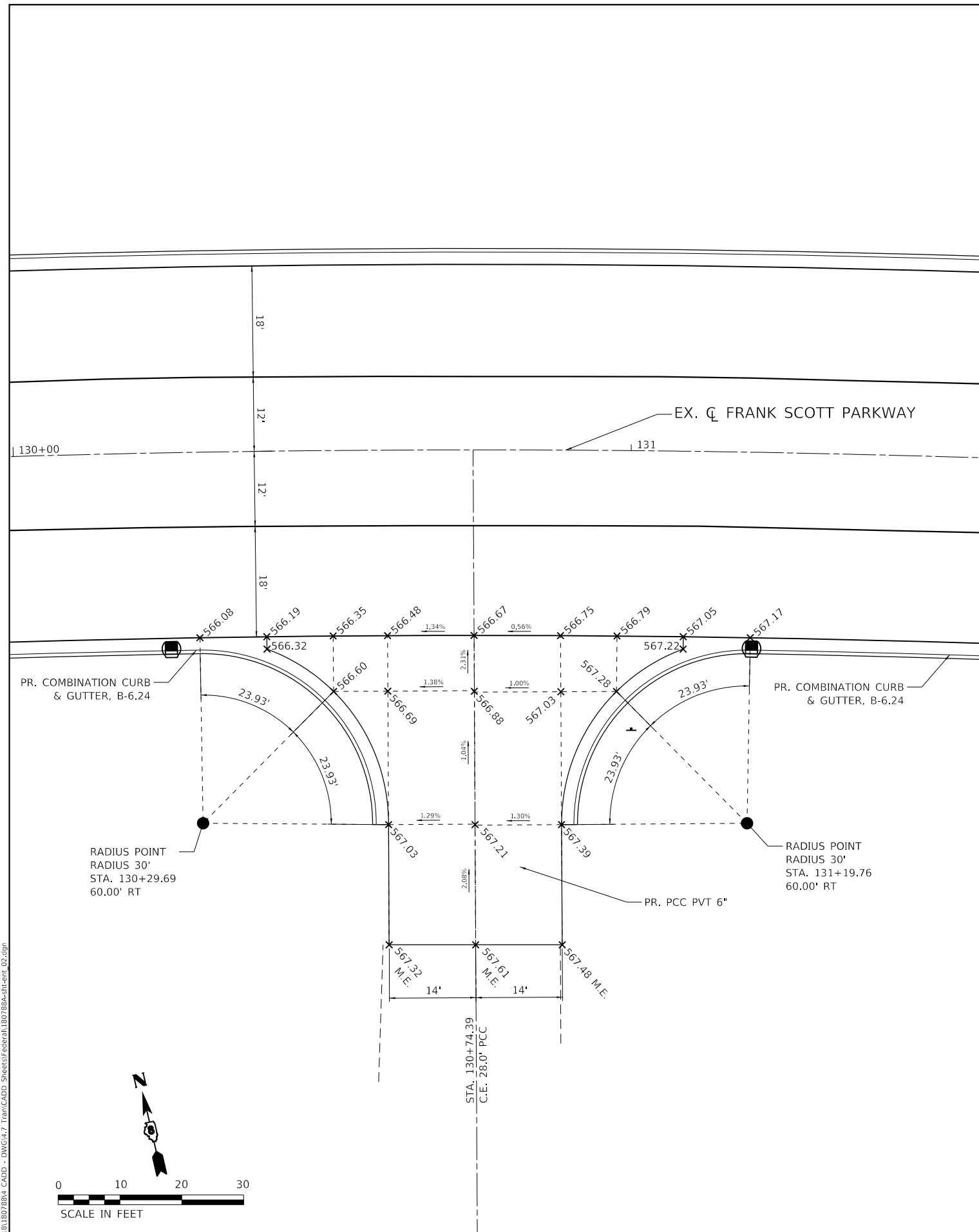


ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

ENTRANCE DETAILS

SCALE: 1"=10' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	107
CONTRACT NO. 97872				
ILLINOIS FED. AID PROJECT				



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 DATE - 06/2025

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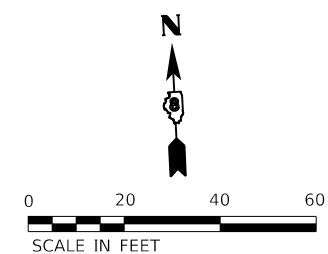
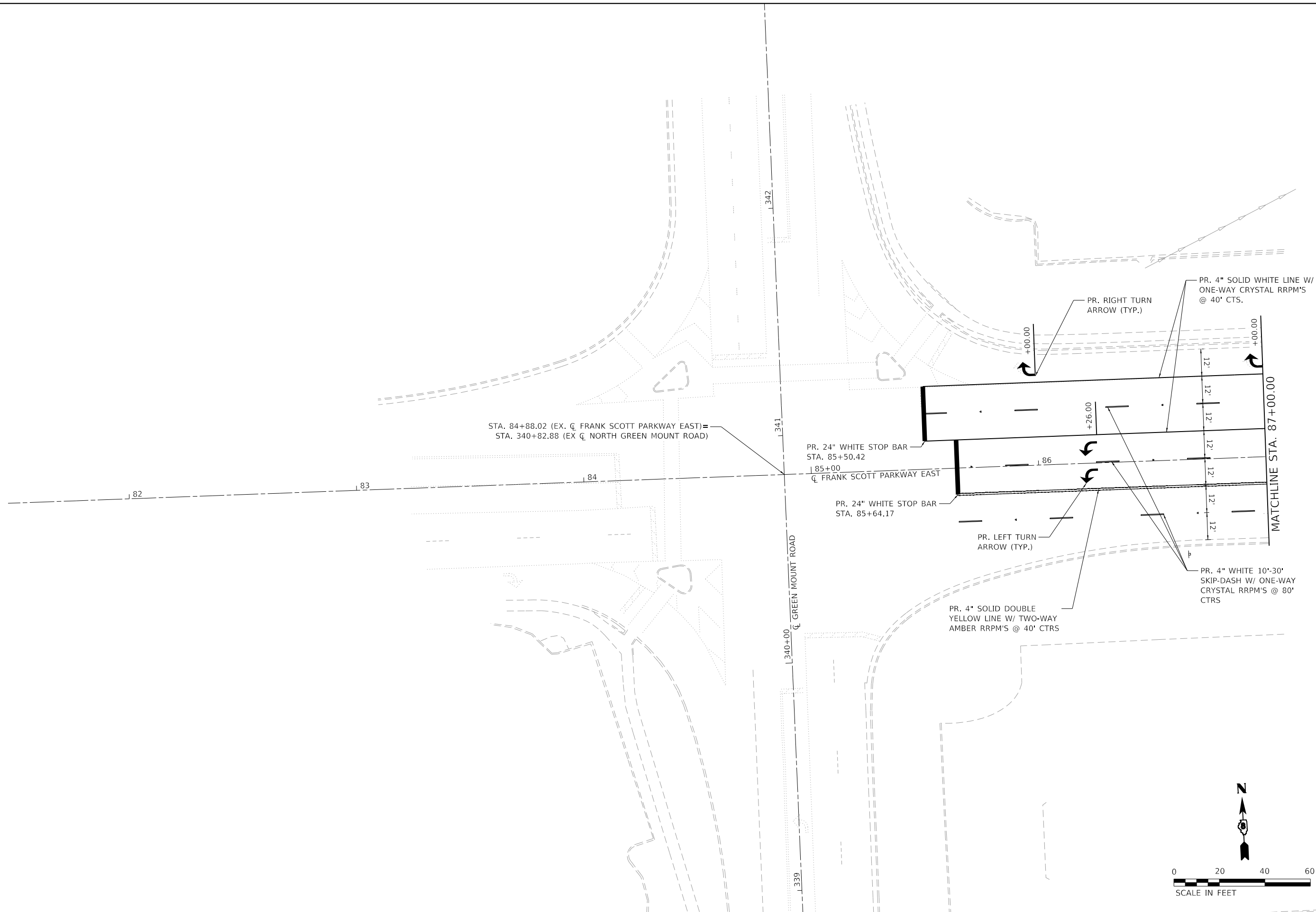


**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

ENTRANCE DETAILS
 SCALE: 1"=10' SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	108
CONTRACT NO. 97872				
ILLINOIS FED. AID PROJECT				

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TWM, INC.
 www.twm-inc.com
 IL DESIGN FIRM
 LICENSE NO:
 184-001220

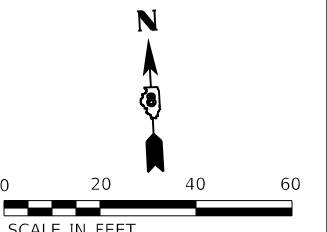
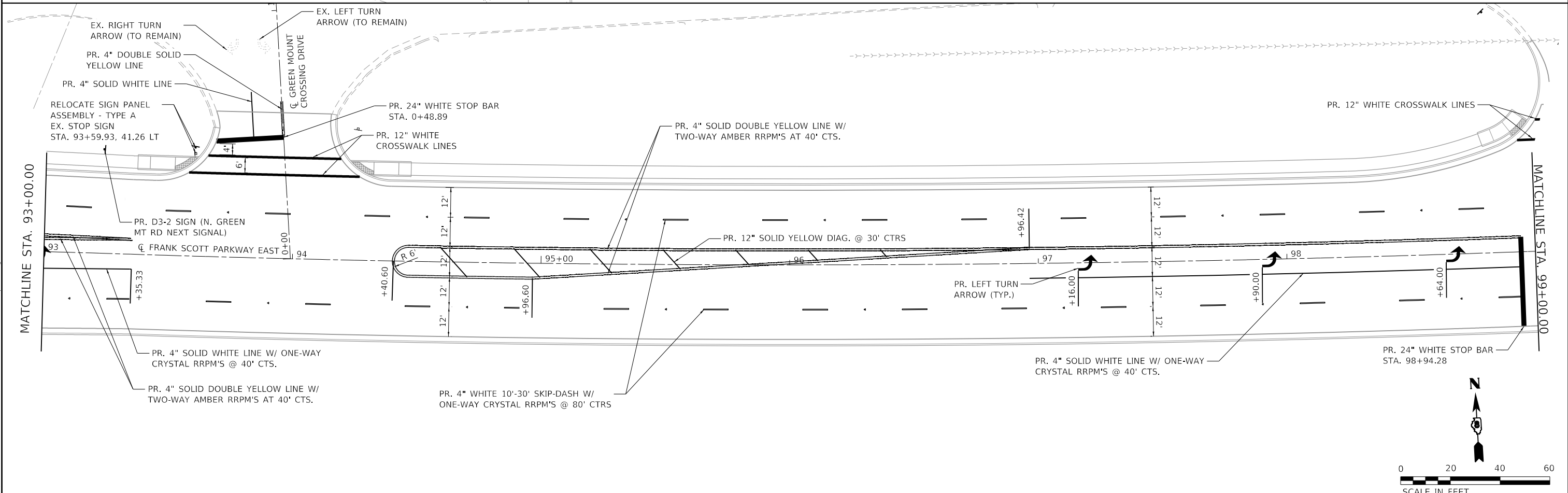
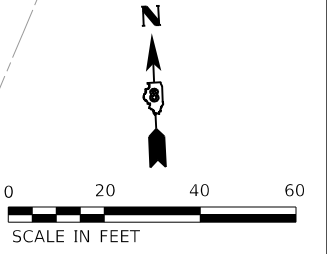
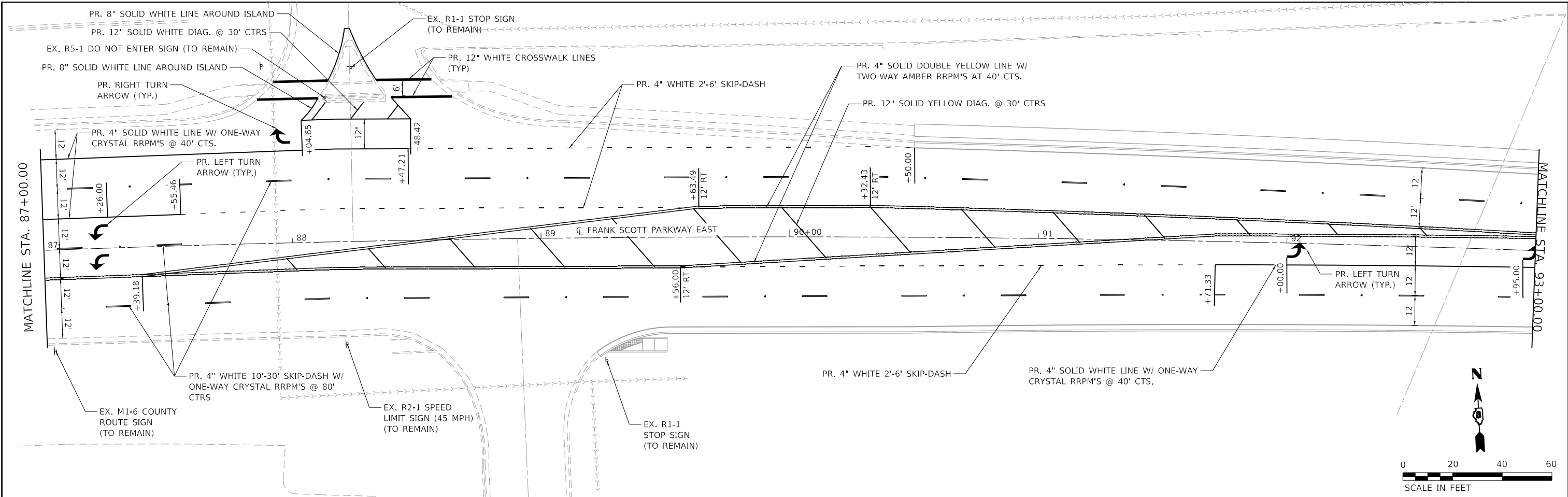
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PLOT DATE = 6/17/2025	DATE - 06/2025	REVISOR -



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

PAVEMENT MARKING SHEET
 SCALE: 1"=20' SHEET 1 OF 9 SHEETS STA. 85+00.00 TO STA. 87+00.00

F.A.U. RTE. 9330	SECTION 24-00301-26-PW	COUNTY ST. CLAIR	TOTAL SHEETS 191	SHEET NO. 109
CONTRACT NO. 97872			ILLINOIS FED. AID PROJECT	



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DATE -	06/2025

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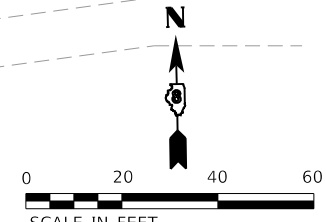
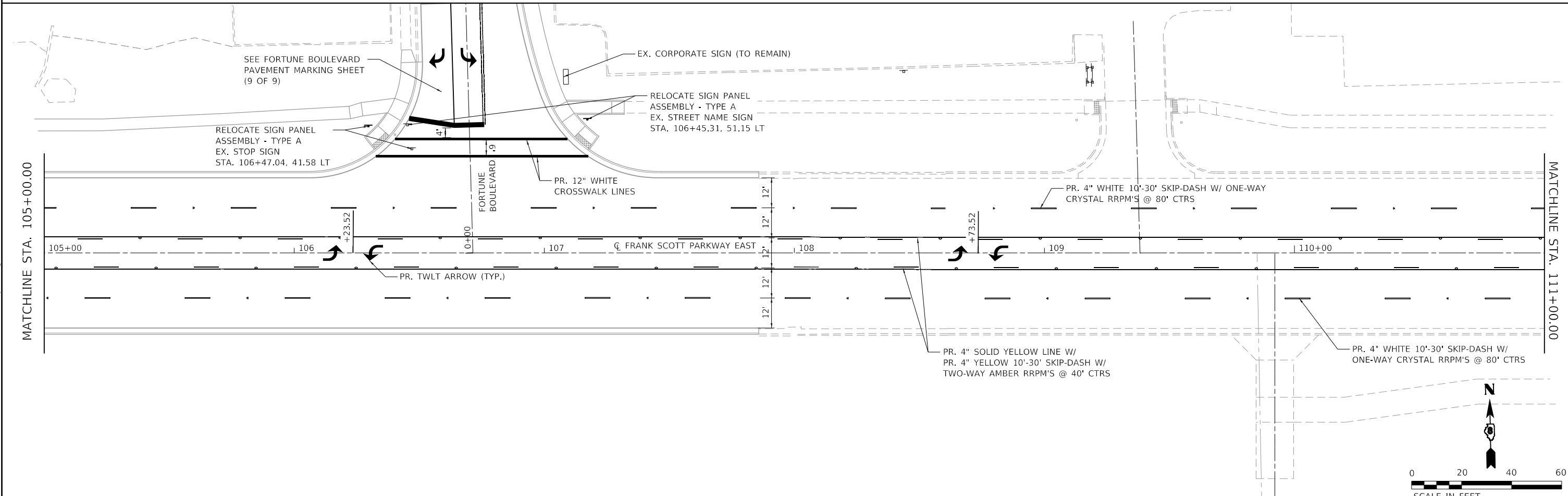
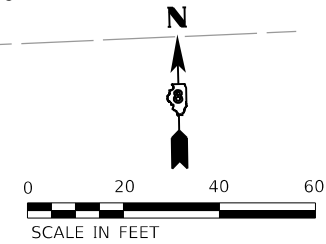
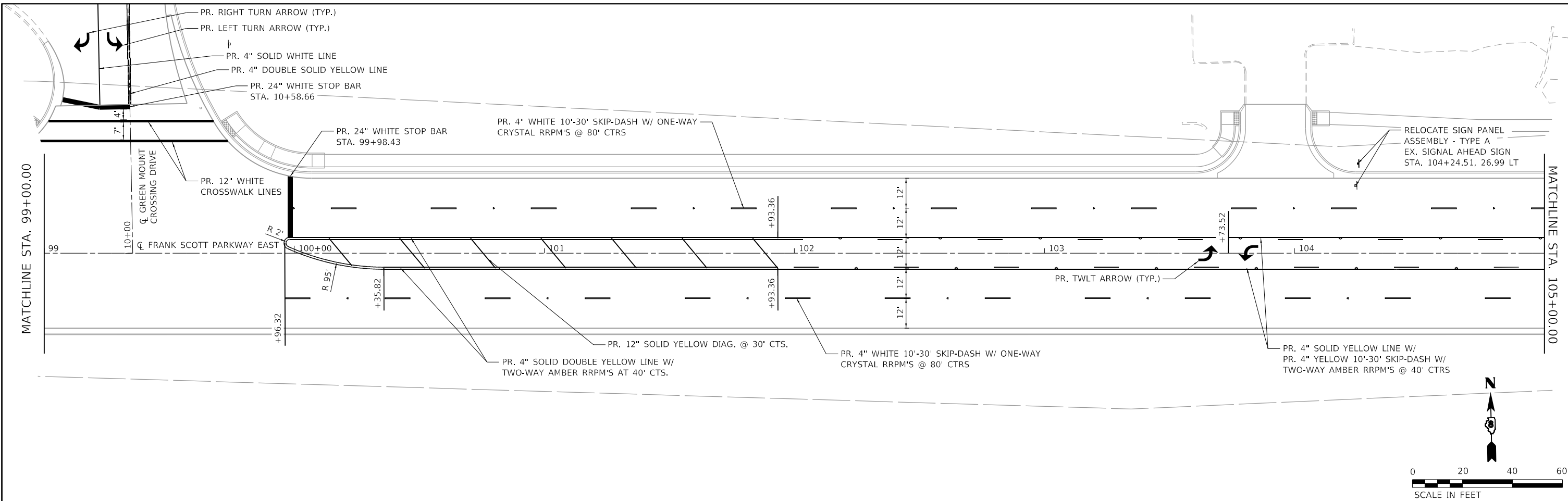


ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

PAVEMENT MARKING SHEET

SCALE: 1"=20' SHEET 2 OF 9 SHEETS STA. 87+00.00 TO STA. 99+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	110
CONTRACT NO. 97872				
ILLINOIS FED. AID PROJECT				



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TWM, INC.
 www.twm-inc.com
 ILLINOIS DESIGN FIRM
 LICENSE NO: 184-001220

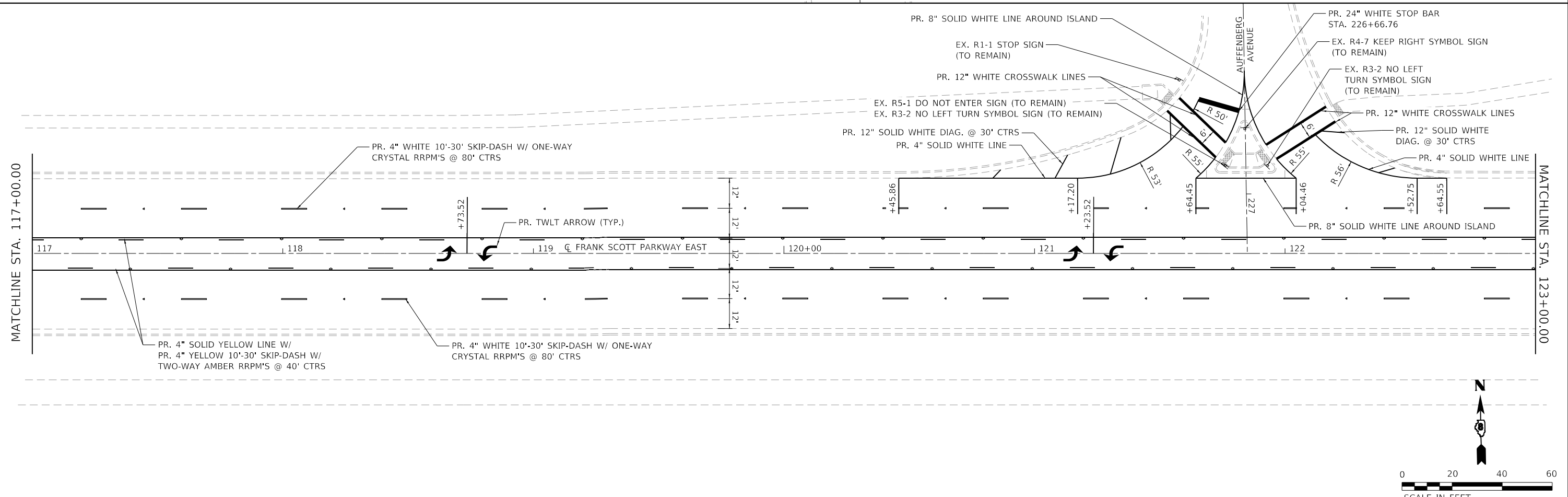
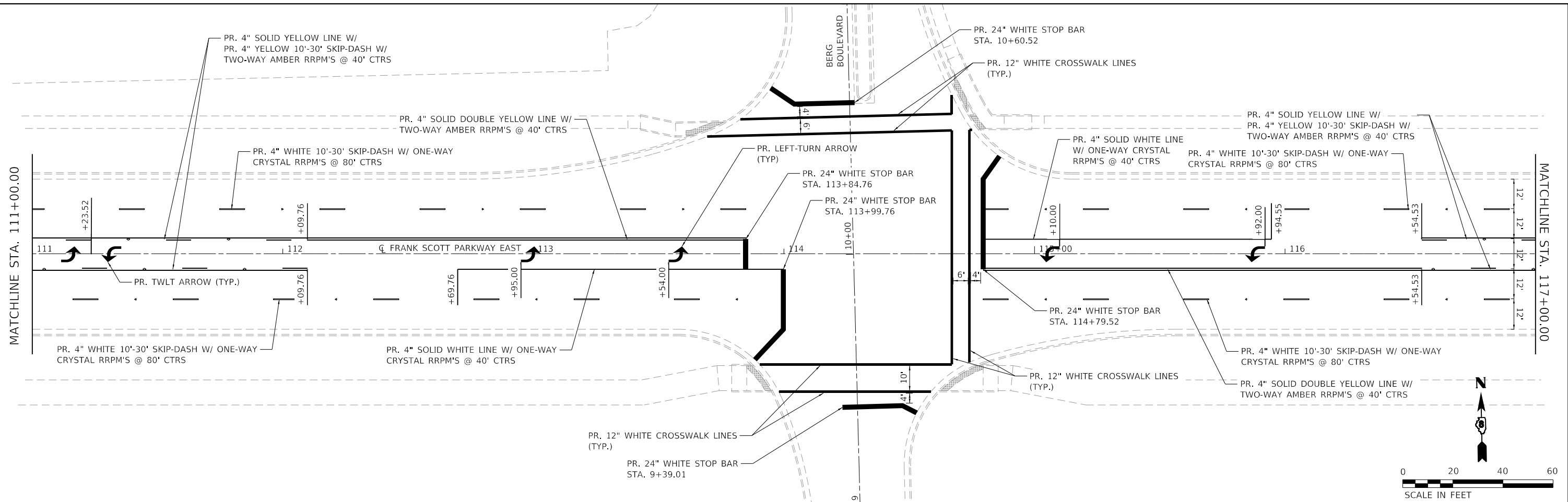
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PLOT DATE = 6/17/2025	CHECKED - JWS	REVISED -
	DATE - 06/2025	REVISED -



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

PAVEMENT MARKING SHEET
 SCALE: 1"=20' SHEET 3 OF 9 SHEETS STA. 99+00.00 TO STA. 111+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	111
CONTRACT NO. 97872			ILLINOIS FED. AID PROJECT	



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TWM, INC.
 www.twm-inc.com
 ILLINOIS DESIGN FIRM LICENSE NO: 184-001220
 USER NAME = efisher
 PLOT SCALE = 40.0000 ' / in.
 PLOT DATE = 6/17/2025

DESIGNED - EKF
 DRAWN - EKF/KDD
 CHECKED - JWS
 DATE - 06/2025

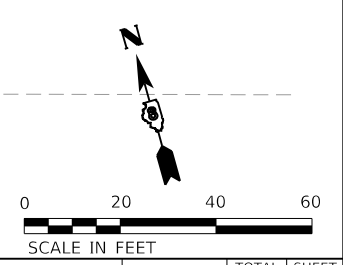
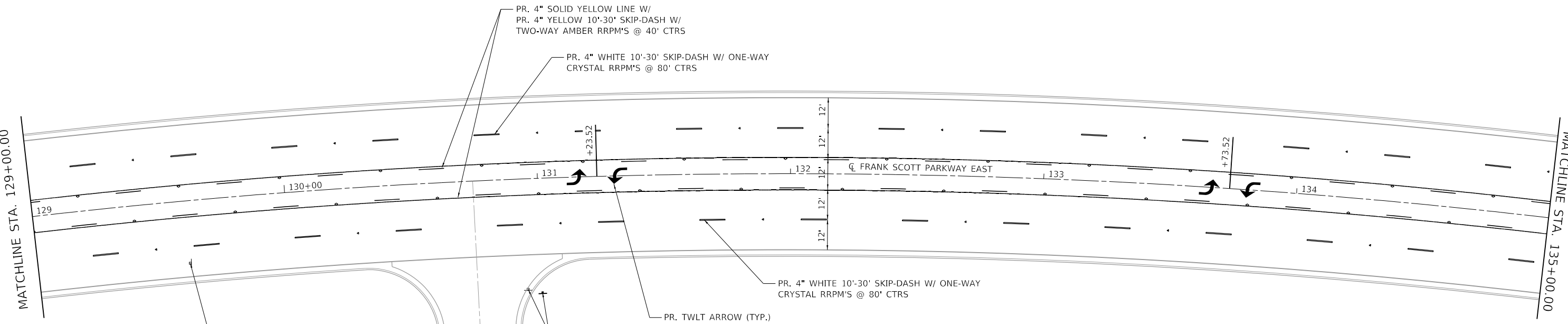
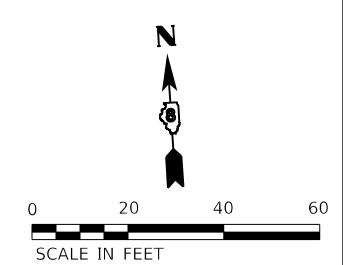
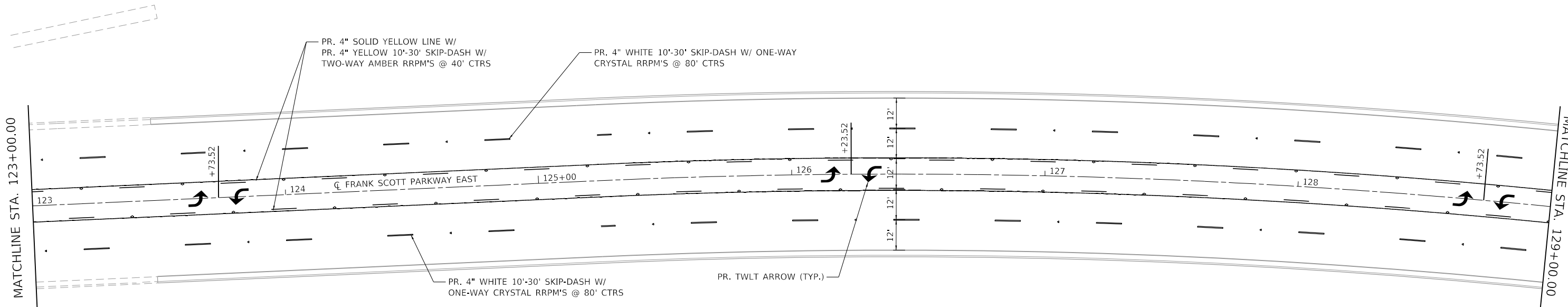
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 REVISED -



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

PAVEMENT MARKING SHEET
 SCALE: 1"=20' SHEET 4 OF 9 SHEETS STA. 111+00.00 TO STA. 123+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	112
CONTRACT NO. 97872				
ILLINOIS FED. AID PROJECT				



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PLOT SCALE = 40.0000 ' / in.	DRAWN - EKF/KDD	REVISED -
PLOT DATE = 6/17/2025	CHECKED - JWS	REVISED -
	DATE - 06/2025	REVISED -

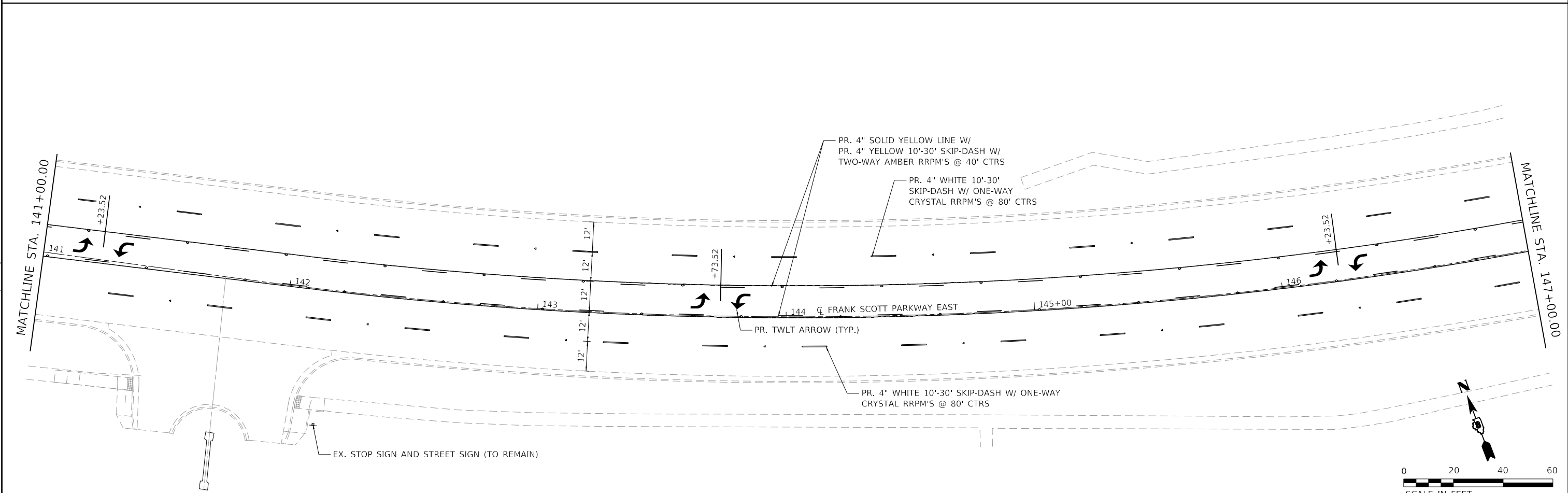
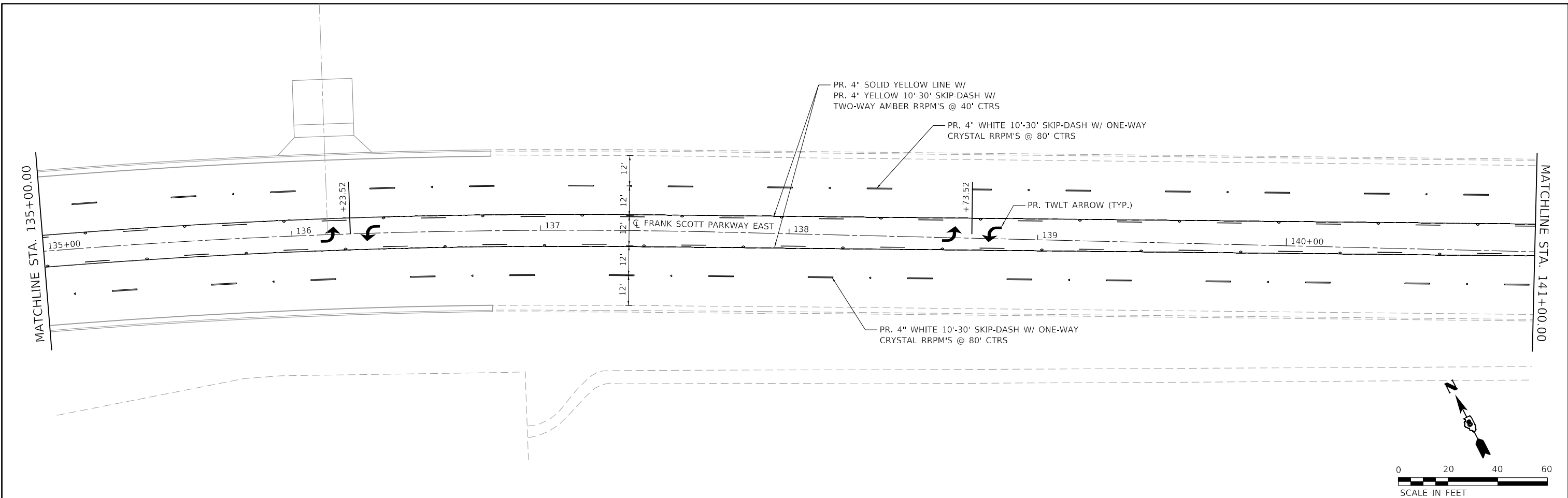


ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

PAVEMENT MARKING SHEET

SCALE: 1"=20' SHEET 5 OF 9 SHEETS STA. 123+00.00 TO STA. 135+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	113
CONTRACT NO. 97872				
ILLINOIS FED. AID PROJECT				



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PLOT SCALE =	40.0000 ' / in.
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DATE -	06/2025

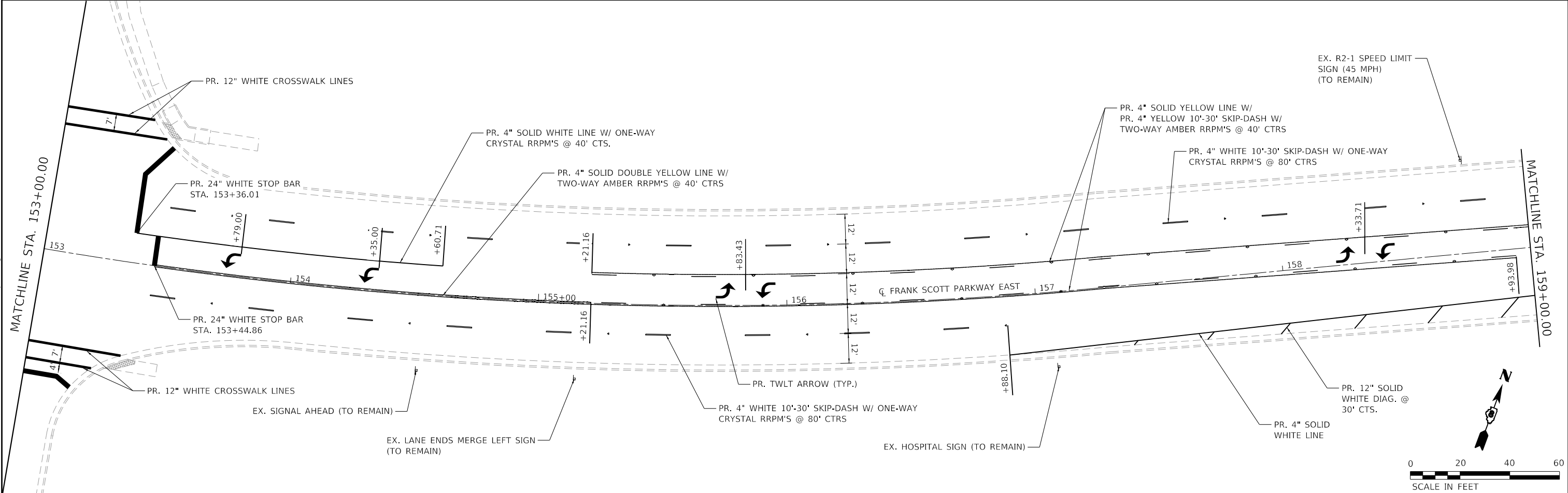
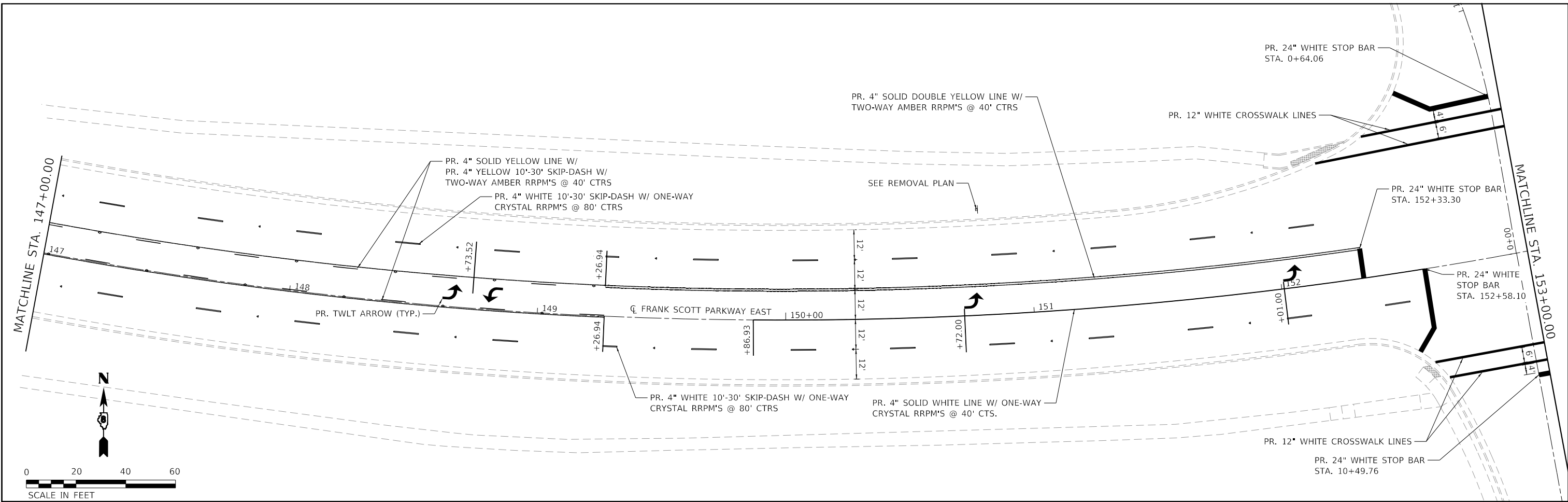
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REVISED -	
REVISED -	
REVISED -	



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

PAVEMENT MARKING SHEET
 SCALE: 1"=20' SHEET 6 OF 9 SHEETS STA. 135+00.00 TO STA. 147+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	114
CONTRACT NO. 97872				
ILLINOIS FED. AID PROJECT				



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 SHEET: 7 OF 9
 DATE: 6/17/2025



TWM, INC.
 WWW.TWM-INC.COM
 ILL. DESIGN FIRM LICENSE NO: 184-001220
 USER NAME = efisher
 PLOT SCALE = 40,0000 ' / in.
 PLOT DATE = 6/17/2025

DESIGNED - EKF
 DRAWN - EKF/KDD
 CHECKED - JWS
 DATE - 06/2025

REVISED -
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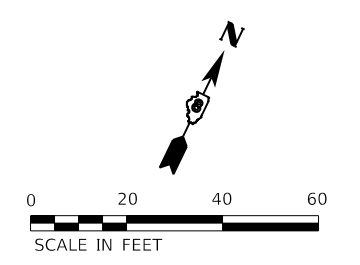
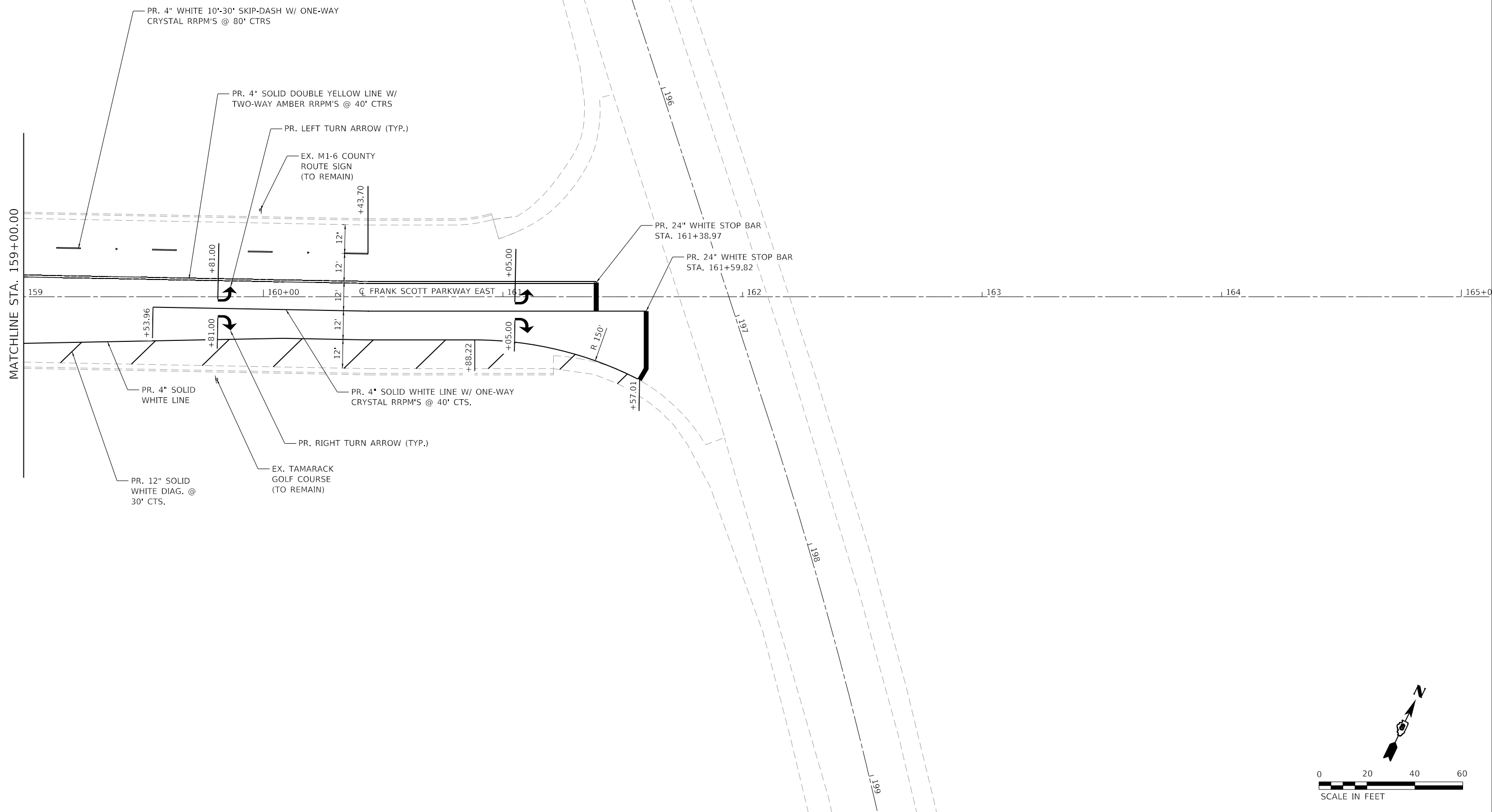


ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

PAVEMENT MARKING SHEET

SCALE: 1"=20' SHEET 7 OF 9 SHEETS STA. 147+00.00 TO STA. 159+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	115
CONTRACT NO. 97872				
ILLINOIS FED. AID PROJECT				



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TWM, INC.
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 IL DESIGN FIRM
 LICENSE NO:
 184-001220

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DRAWN -	EKF/KDD	REVISIONS		REVISED -	
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PLOT DATE =	6/17/2025	DATE -	06/2025	REVISED -	

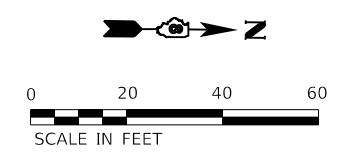
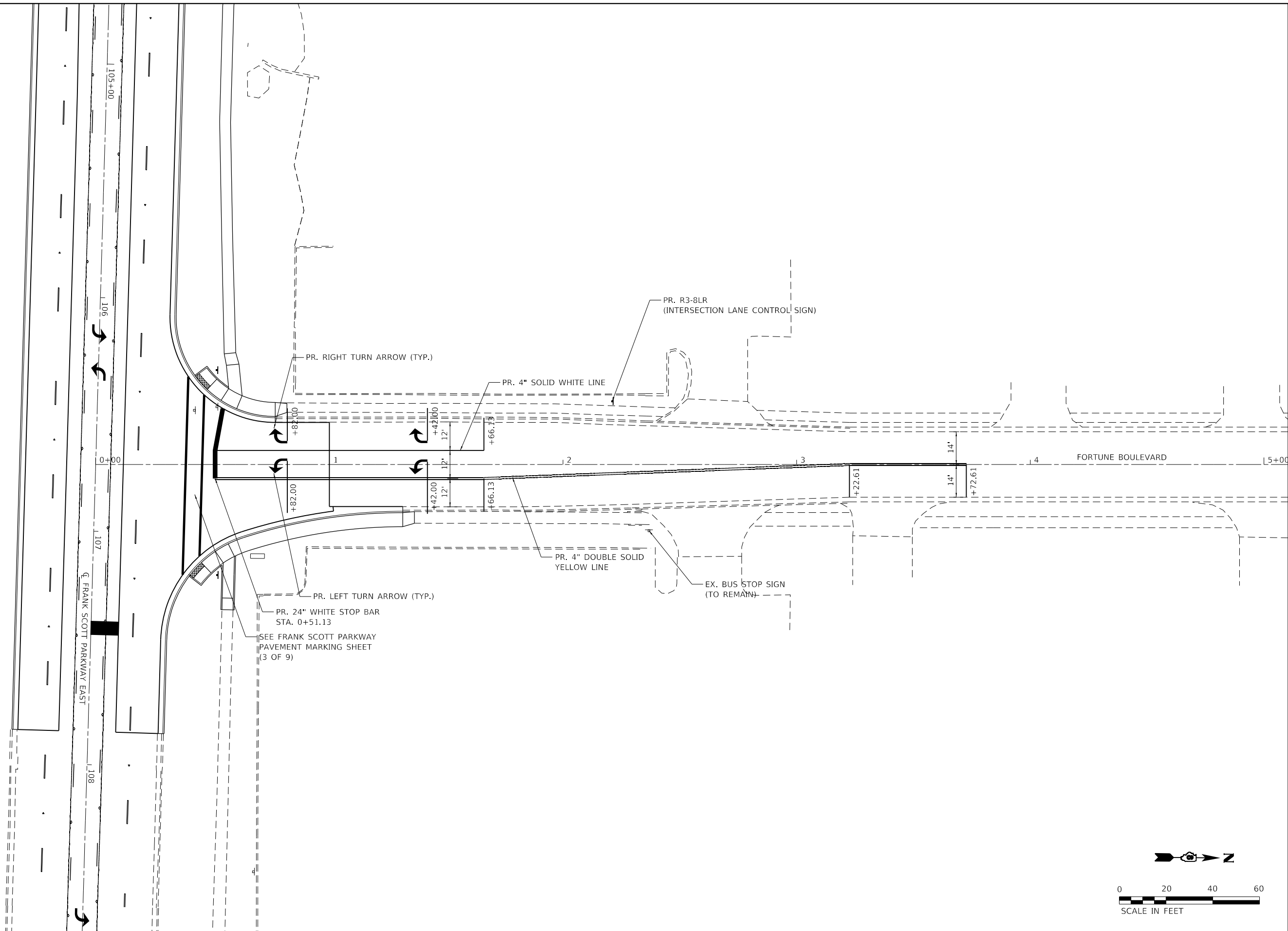


**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

PAVEMENT MARKING SHEET
 SCALE: 1"=20' SHEET 8 OF 9 SHEETS STA. 159+00.00 TO STA. 161+94.28

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	116
CONTRACT NO. 97872				
ILLINOIS FED. AID PROJECT				

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 PLOT DATE = 6/17/2025

DESIGNED - EKF
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 CHECKED - JWS
 DATE - 06/2025

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 REVISED -
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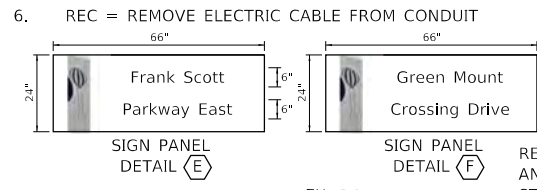
**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

**PAVEMENT MARKING SHEET
 FORTUNE BLVD.**

SCALE: 1"=20' SHEET 9 OF 9 SHEETS STA. 0+00.00 TO STA. 3+72.61

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	117
CONTRACT NO. 97872				
ILLINOIS FED. AID PROJECT				

- NOTE:
- EX. TRAFFIC CONTROLLER. RELOCATE EX. TRAFFIC SIGNAL CONTROLLER AND CABINET, COMPLETE. ALL CABLES SHALL BE REMOVED FROM THE MISCELLANEOUS TRAFFIC SIGNAL EQUIPMENT AND REPLACED WITH NEW CABLE.
 - REMOVE EX. CONC. FOUNDATION AND TRAFFIC SIGNAL EQUIPMENT. EXISTING TRAFFIC SIGNAL EQUIPMENT INCLUDES BUT NOT LIMITED TO THE MAST ARM ASSEMBLY AND POST AND SIGNAL HEADS. REMOVE THE CONDUIT AND CABLE BETWEEN THE EX. MAST ARM TO BE REMOVED AND EX. DOUBLE HANDHOLE TO BE REMOVED, COST INCLUDED IN COST OF REMOVE EX. TRAFFIC SIGNAL EQUIPMENT. RELOCATE EX. E.V.P.S. DETECTOR AND BEACON.
 - REMOVE EX. CONC. FOUNDATION AND TRAFFIC SIGNAL EQUIPMENT. EXISTING TRAFFIC SIGNAL EQUIPMENT INCLUDES BUT NOT LIMITED TO THE MAST ARM ASSEMBLY AND POST AND SIGNAL HEADS. REMOVE THE CONDUIT AND CABLE BETWEEN THE EX. MAST ARM TO BE REMOVED AND EX. HANDHOLE TO BE REMOVED, COST INCLUDED IN COST OF REMOVE EX. TRAFFIC SIGNAL EQUIPMENT.
 - THE EX. DETECTOR LOOP WILL BE REMOVED AS NECESSARY TO NOT INTERFERE WITH THE PR. DET. LOOP, TY I. THIS WILL INCLUDE REMOVING THE EX. CABLE TO THE EX. DOUBLE HANDHOLE, TO BE REMOVED, COST INCLUDED IN COST OF PR. DET. LOOP, TY I.
 - CONDUIT TO BE REMOVED WILL BE INCLUDED IN THE COST OF REMOVING THE OTHER VARIOUS REMOVALS IN THE AREA.



NOTE:
CONTRACTOR TO COORDINATE STREET NAME WITH OWNER AND ST. CLAIR COUNTY 911 PRIOR TO ORDERING THE SIGN.

RELOCATED TRAFFIC SIGNAL CONTROLLER AND CABINET, COMPLETE
STA. 98+81.38, 63.49' LT

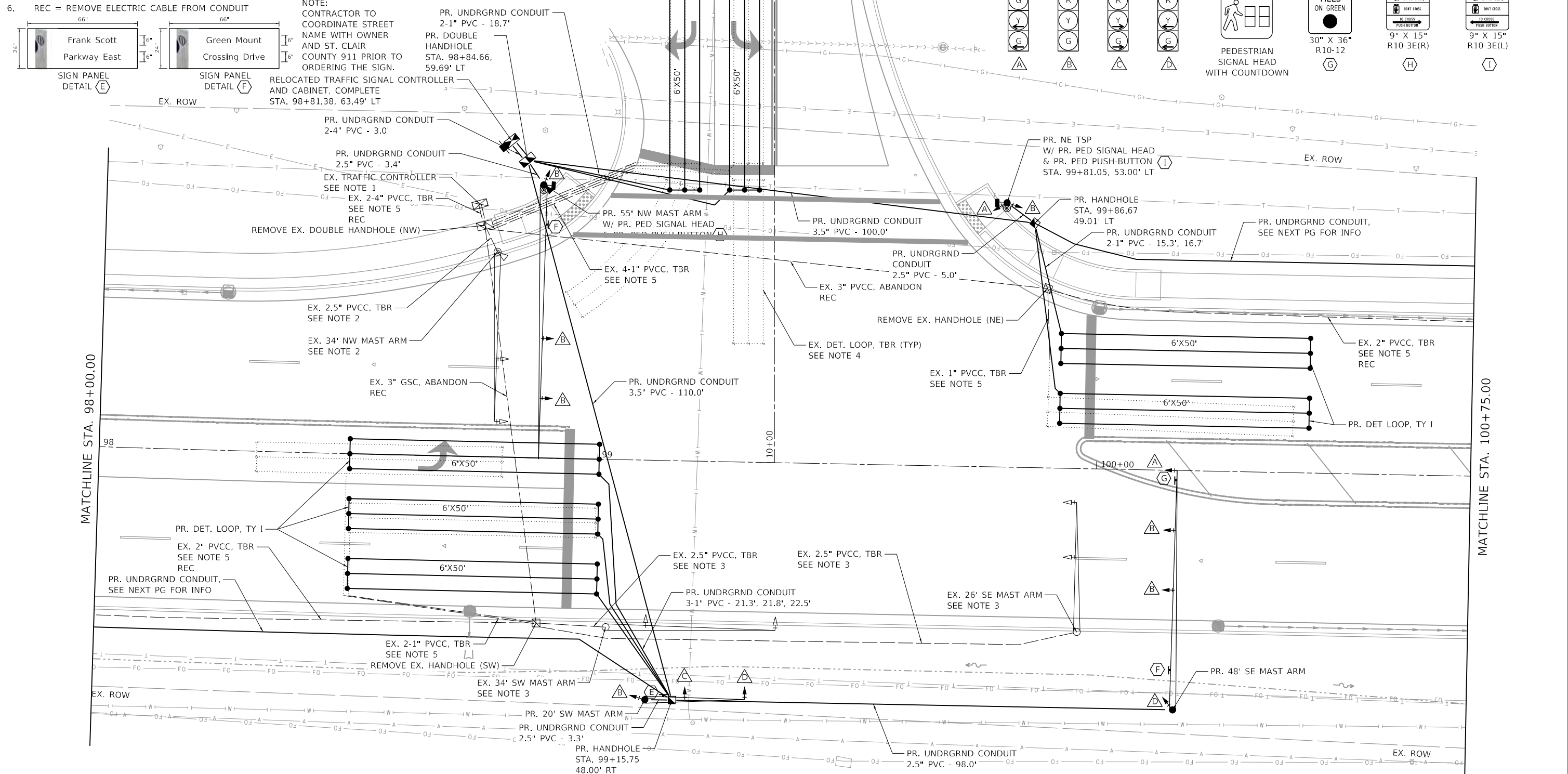
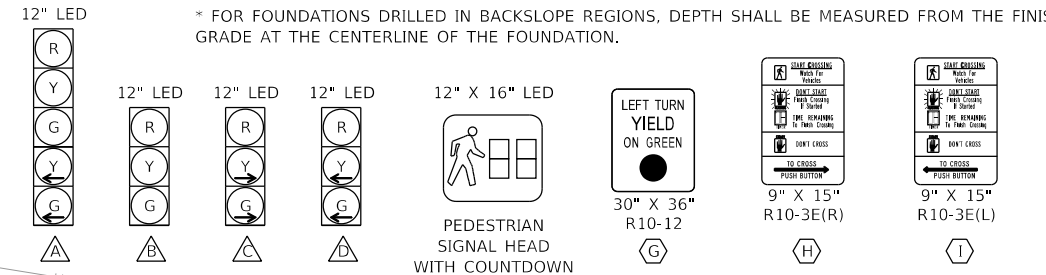
PR. UNDERGRND CONDUIT
2-1" PVC - 18.7'

PR. DOUBLE HANDHOLE
STA. 98+84.66, 59.69' LT

MAST ARM SCHEDULE						
	LOCATION STA. OFFSET	ARM LENGTH	FOUNDATION DIAMETER	* FOUNDATION DEPTH	TOP OF FND ELEV	TOP OF FINISHED GRADE LINE
NW	98+88.05, 54.78' LT	55'	36"	15'-0"	XXX.XX	XXX.XX
SW	99+10.35, 48.00' RT	20'	30"	10'-0"	XXX.XX	XXX.XX
SE	100+16.18, 48.00' RT	48'	36"	13'-0"	XXX.XX	XXX.XX

MAST ARM FOUNDATION DETAILS SHALL BE IN ACCORDANCE WITH STANDARD 878001 EXCEPT FOR LENGTHS AS MODIFIED BY THE MAST ARM SCHEDULE. FOUNDATION DEPTH IS BASED ON ASSUMED MAST ARM ASSEMBLY AND POLE CONFIGURATIONS. MAST ARM ASSEMBLY AND POLE SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR FINAL REVIEW AND APPROVAL OF THE FOUNDATION DEPTHS.

* FOR FOUNDATIONS DRILLED IN BACKSLOPE REGIONS, DEPTH SHALL BE MEASURED FROM THE FINISH GRADE AT THE CENTERLINE OF THE FOUNDATION.



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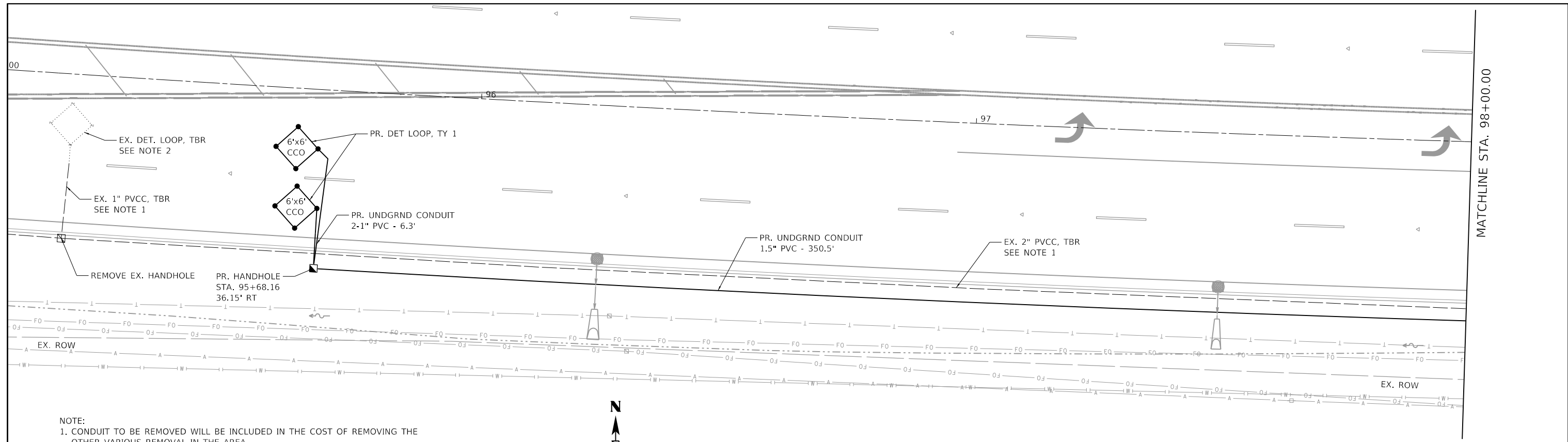
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CHECKED - JWS	REVISED -
DATE - 06/2025	REVISED -



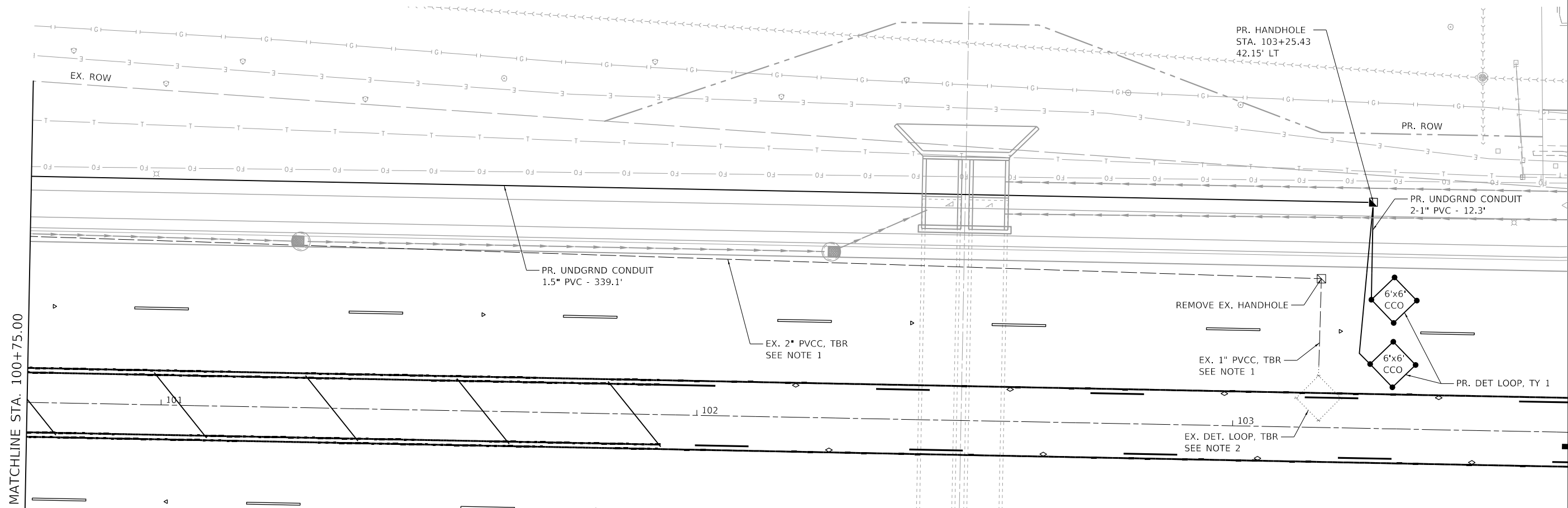
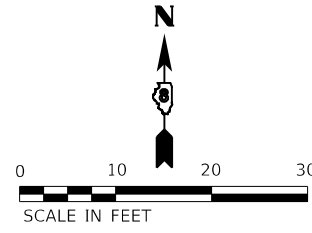
ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

TRAFFIC SIGNAL PLAN
FRANK SCOTT PARKWAY / GREEN MOUNT CROSSING DRIVE
SCALE: 1"=10'

F.A.U. RTE. 9330	SECTION 24-00301-26-PW	COUNTY ST. CLAIR	TOTAL SHEETS 191	SHEET NO. 119
CONTRACT NO. 97872			ILLINOIS FED. AID PROJECT	



- NOTE:
1. CONDUIT TO BE REMOVED WILL BE INCLUDED IN THE COST OF REMOVING THE OTHER VARIOUS REMOVAL IN THE AREA.
 2. THE EX. DET. LOOP WILL BE REMOVED AS NECESSARY TO NOT INTERFERE WITH THE PR. DET. LOOP, TY 1. THIS WILL INCLUDE REMOVING ANY EX. CABLE TO THE EX. HANDHOLE FOR THIS DET. LOOP. COST INCLUDED IN COST OF PR. DET. LOOP, TY 1.



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 ILL. DESIGN FIRM LICENSE NO: 184-001220

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PLOT DATE = 6/17/2025	CHECKED - JWS	REVISED -
	DATE - 06/2025	REVISED -



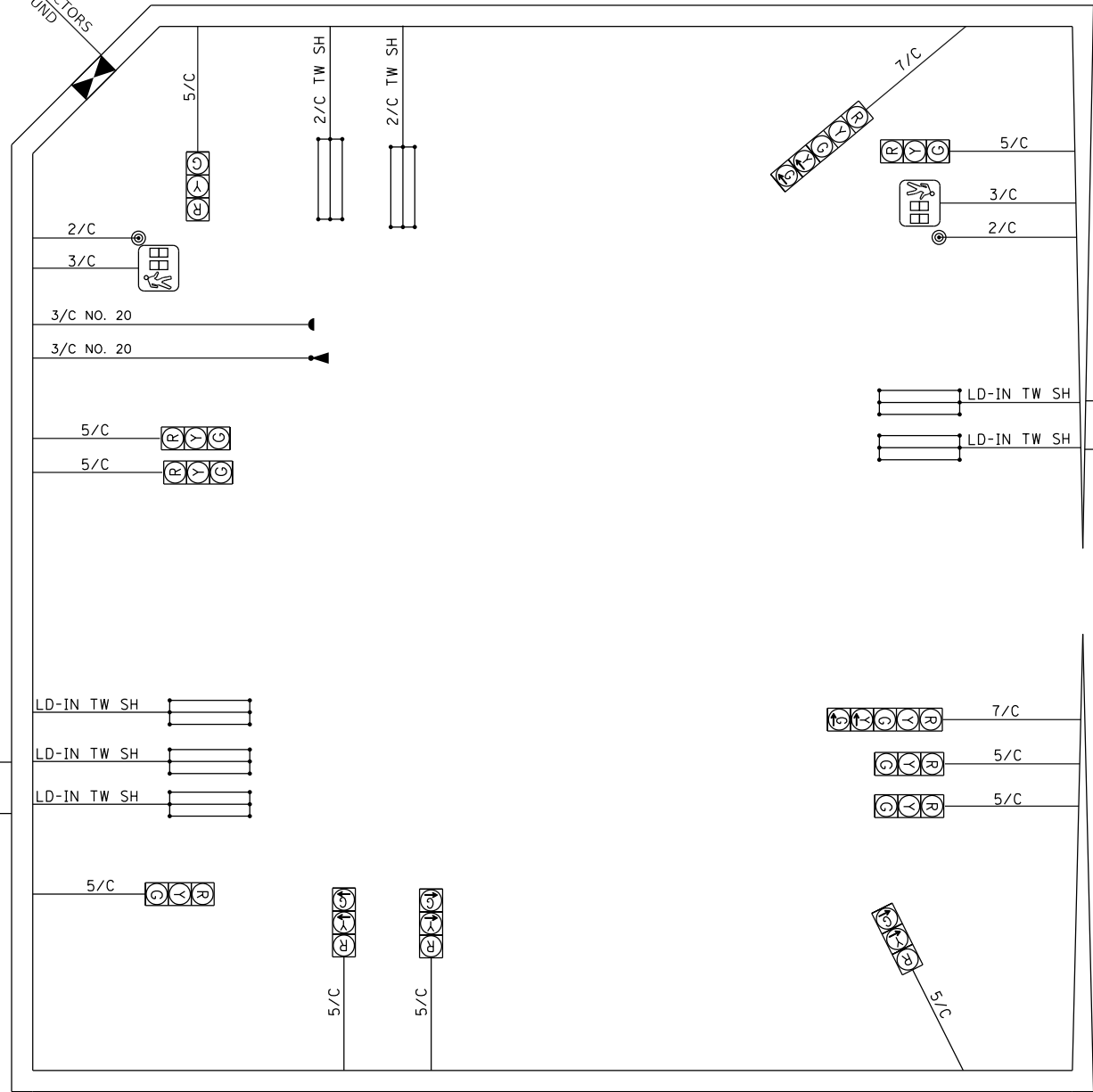
ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

TRAFFIC SIGNAL PLAN
FRANK SCOTT PARKWAY /GREEN MOUNT CROSSING DRIVE
 SCALE: 1"=10' SHEET 3 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	120
CONTRACT NO. 97872				
ILLINOIS FED. AID PROJECT				

TO ELECTRIC UTILITY SERVICE

3/C NO. 6 CONDUCTORS AND NO. 6 GROUND



LEGEND

- PROPOSED CABLE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH INDICATES TWISTED SHIELDED CABLE
- PR. TRAFFIC SIGNAL CONTROLLER CABINET
- G PR. 12" TRAFFIC SIGNAL SECTION. LETTER INDICATES COLOR.
- PROPOSED DETECTOR LOOP, CD INDICATES CALL DELAY
- CCO EXISTING 6' X 6' CALL CARRY OVER DETECTOR LOOP
- PROPOSED PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1 FACE, BRACKET MOUNTED, WITH COUNT DOWN TIMER
- PROPOSED PEDESTRIAN PUSH-BUTTON
- RELOCATED E.V.P.S. DETECTOR
- RELOCATED E.V.P.S. BEACON

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 LICENSE NO:
 184-001220

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	DRAWN - EKF/KDD	REVISED -
PLOT SCALE = 40,0000 ' / in.	CHECKED - JWS	REVISED -
PLOT DATE = 6/17/2025	DATE - 06/2025	REVISED -



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

TRAFFIC SIGNAL CABLE DIAGRAM
FRANK SCOTT PARKWAY /GREEN MOUNT CROSSING DRIVE
 SCALE: NTS SHEET 4 OF 5 SHEETS STA. TO STA.

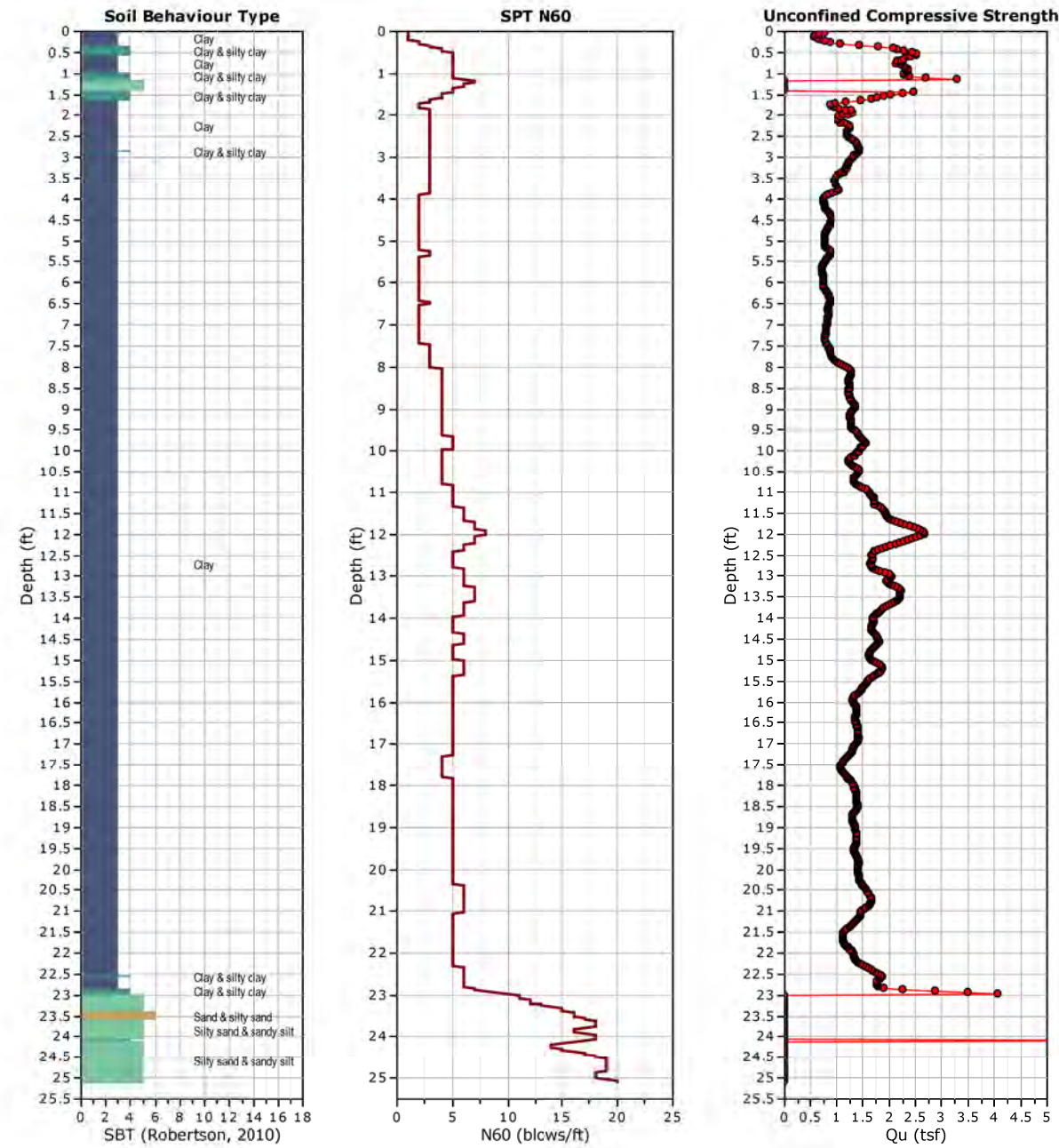
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	121
CONTRACT NO. 97872				
ILLINOIS FED. AID PROJECT				



SCI Engineering Inc.
650 Pierce Blvd, O'Fallon, IL 62269
Geotechnical Engineering
http://www.sciengineering.com

Project: Frank Scott Parkway Widening Green Mount Road to Cross Street: 2019-0632.11
Location: Shiloh, Illinois

CPT: C-1
Total depth: 25.10 ft, Date: 2/6/2025
Surface Elevation: 538.00 ft



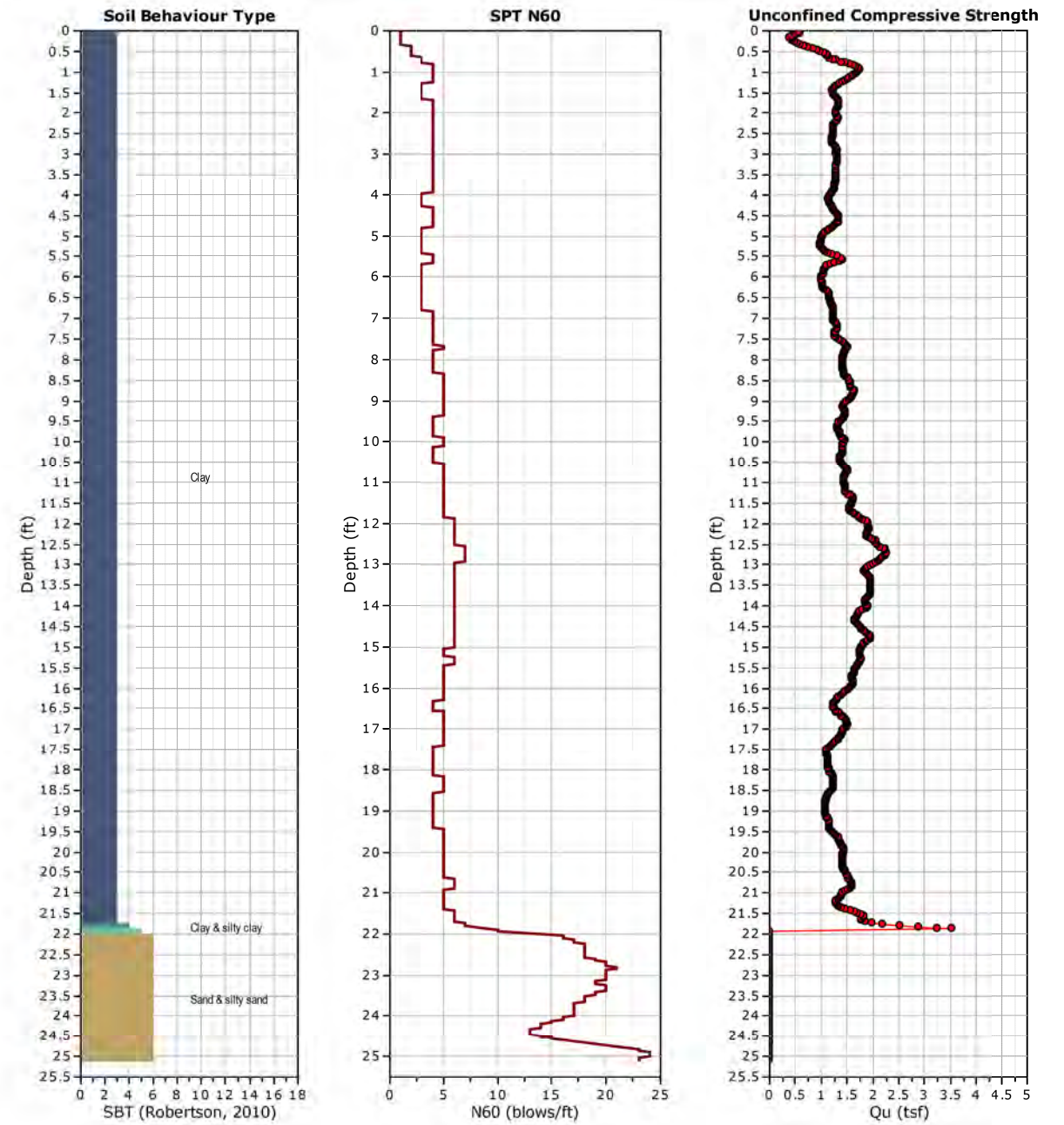
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SCI Engineering Inc.
650 Pierce Blvd, O'Fallon, IL 62269
Geotechnical Engineering
http://www.sciengineering.com

Project: Frank Scott Parkway Widening Green Mount Road to Cross Street: 2019-0632.11
Location: Shiloh, Illinois

CPT: C-2
Total depth: 25.10 ft, Date: 2/6/2025
Surface Elevation: 537.00 ft



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LICENSE NO: 184-001220

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DESIGNED - EKF
DRAWN - EKF/KDD
CHECKED - JWS
DATE - 06/2025

REVISED -
REVISED -
REVISED -
REVISED -



ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES

TRAFFIC SIGNAL SOIL BORINGS
FRANK SCOTT PARKWAY /GREEN MOUNT CROSSING DRIVE

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

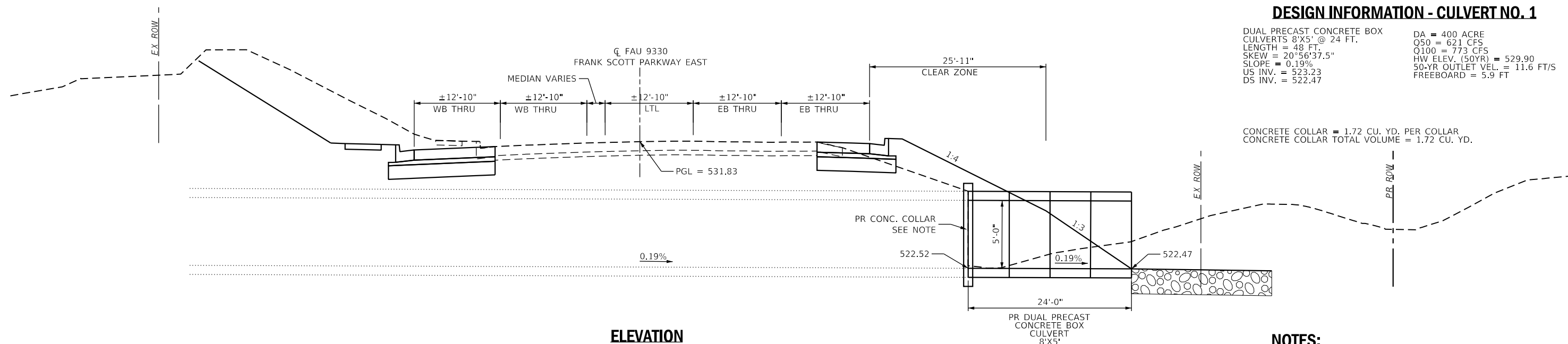
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9330	24-00301-26-PW	ST. CLAIR	191	122
ILLINOIS FED. AID PROJECT			CONTRACT NO. 97872	

DESIGN INFORMATION - CULVERT NO. 1

DUAL PRECAST CONCRETE BOX
 CULVERTS 8'X5' @ 24 FT.
 LENGTH = 48 FT.
 SKEW = 20°56'37.5"
 SLOPE = 0.19%
 US INV. = 523.23
 DS INV. = 522.47

DA = 400 ACRE
 Q50 = 621 CFS
 Q100 = 773 CFS
 HW ELEV. (50YR) = 529.90
 50-YR OUTLET VEL. = 11.6 FT/S
 FREEBOARD = 5.9 FT

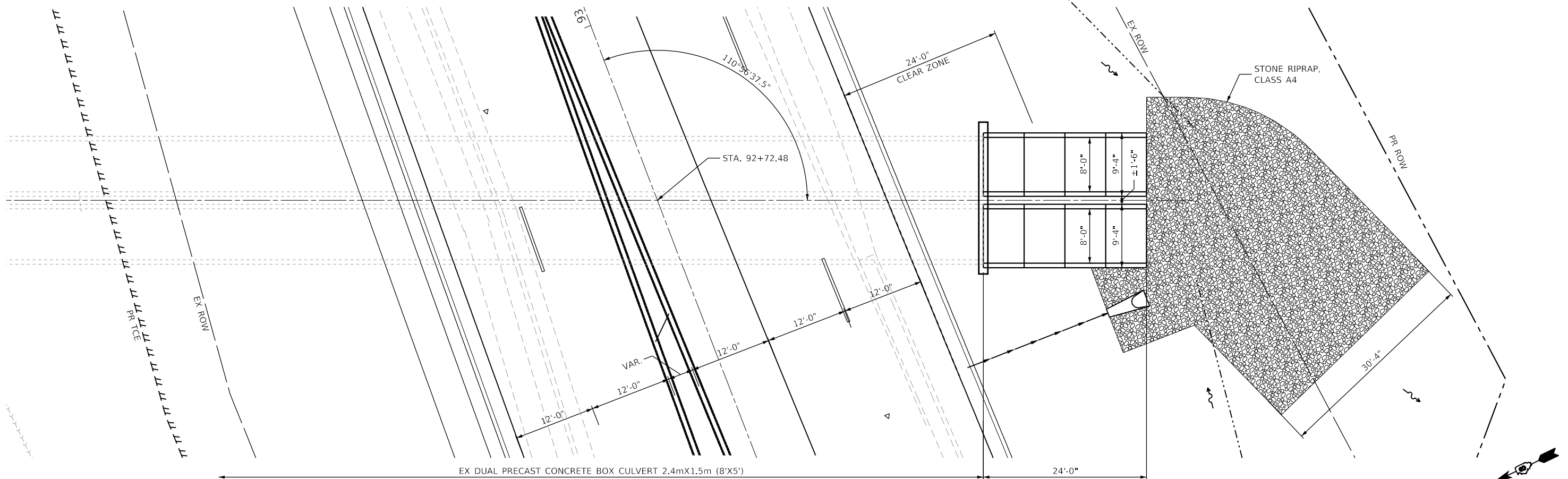
CONCRETE COLLAR = 1.72 CU. YD. PER COLLAR
 CONCRETE COLLAR TOTAL VOLUME = 1.72 CU. YD.



ELEVATION

NOTES:

- SEE MULTI-CELL PRECAST CONCRETE BOX CULVERT APRON END SECTIONS DETAIL SHEET 2 OF 6 FOR "SECTION THRU CONNECTION COLLAR" AT JOINT BETWEEN EXISTING AND PROPOSED PRECAST CULVERT SECTIONS.



PLAN



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PLOT SCALE = 1/16" = 15.0000' / in.	DRAWN - EKF/KDD	REVISED -
PLOT DATE = 6/17/2025	CHECKED - JWS	REVISED -
	DATE - 06/2025	REVISED -



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

**CULVERT NO 1 - STA. 92 + 72.48
 EXTENSION DETAIL**

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

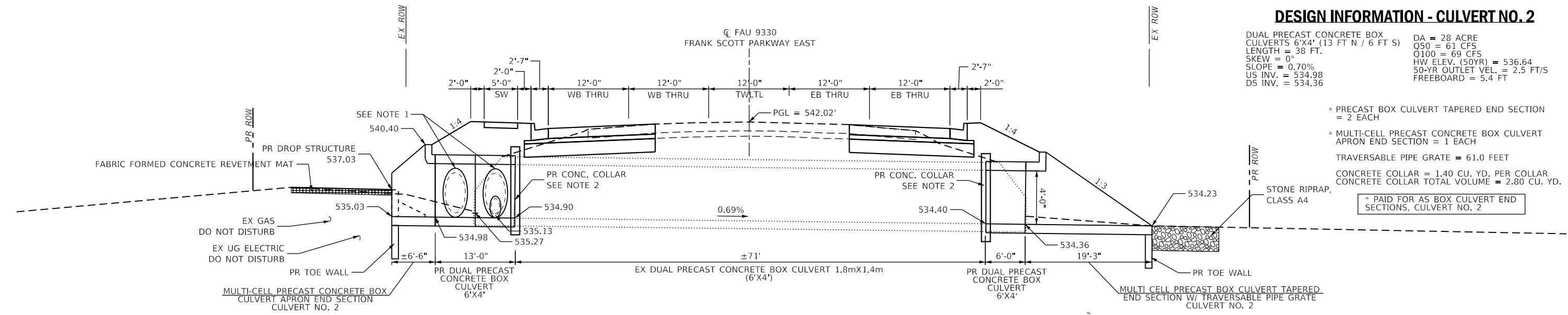
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	123
			CONTRACT NO. 97872	
			ILLINOIS FED. AID PROJECT	

DESIGN INFORMATION - CULVERT NO. 2

DUAL PRECAST CONCRETE BOX
 CULVERTS 6'X4' (13 FT N / 6 FT S)
 LENGTH = 38 FT.
 SKEW = 0°
 SLOPE = 0.70%
 US INV. = 534.98
 DS INV. = 534.36

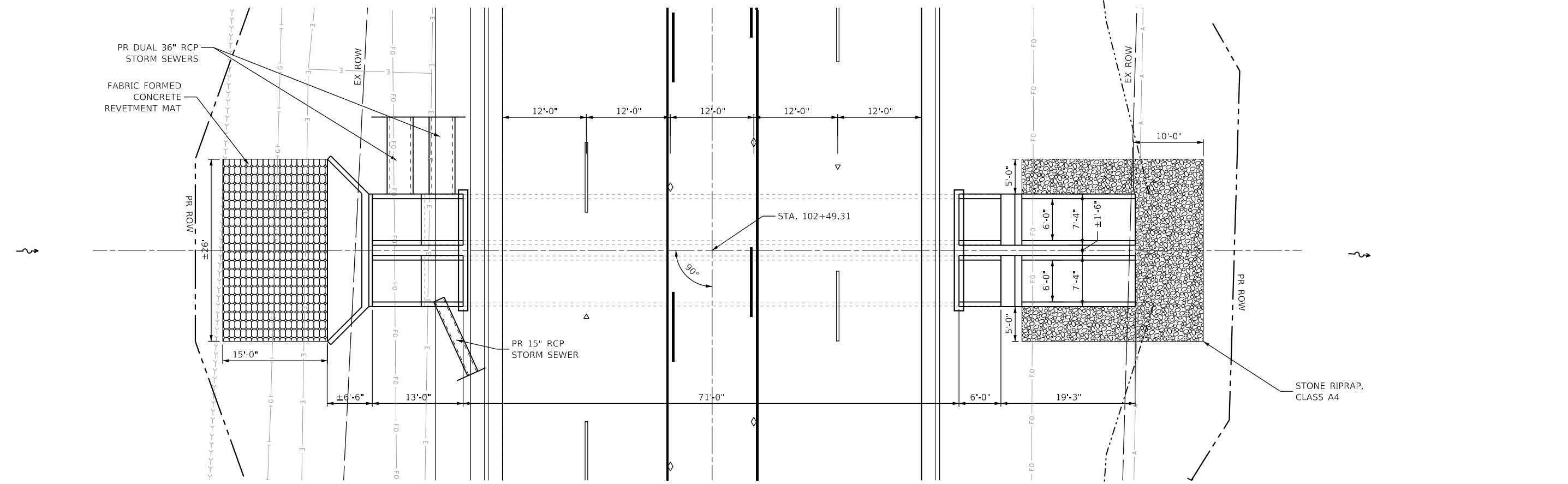
DA = 28 ACRE
 Q50 = 61 CFS
 Q100 = 69 CFS
 HW ELEV. (50YR) = 536.64
 50-YR OUTLET VEL. = 2.5 FT/S
 FREEBOARD = 5.4 FT

- * PRECAST BOX CULVERT TAPERED END SECTION = 2 EACH
- * MULTI-CELL PRECAST CONCRETE BOX CULVERT APRON END SECTION = 1 EACH
- TRAVERSABLE PIPE GRATE = 61.0 FEET
- CONCRETE COLLAR = 1.40 CU. YD. PER COLLAR
 CONCRETE COLLAR TOTAL VOLUME = 2.80 CU. YD.
- * PAID FOR AS BOX CULVERT END SECTIONS, CULVERT NO. 2

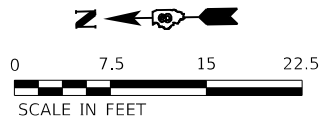


ELEVATION

- NOTES:**
- OPENING SHALL BE CAST IN SIDES OF BOX CULVERT TO ACCEPT THE DUAL 36" RC PIPE FROM THE EAST, AND THE 15" RC PIPE FROM THE WEST.
 - SEE MULTI-CELL PRECAST CONCRETE BOX CULVERT APRON END SECTIONS DETAIL SHEET 2 OF 6 FOR "SECTION THRU CONNECTION COLLAR" AT JOINT BETWEEN EXISTING AND PROPOSED PRECAST CULVERT SECTIONS.



PLAN



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PLOT SCALE = 15.0000" / in.	DRAWN - EKF/KDD	REVISED -
PLOT DATE = 6/17/2025	CHECKED - JWS	REVISED -
	DATE - 06/2025	REVISED -



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

CULVERT NO 2 - STA. 102 + 49.31
EXTENSION DETAIL

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

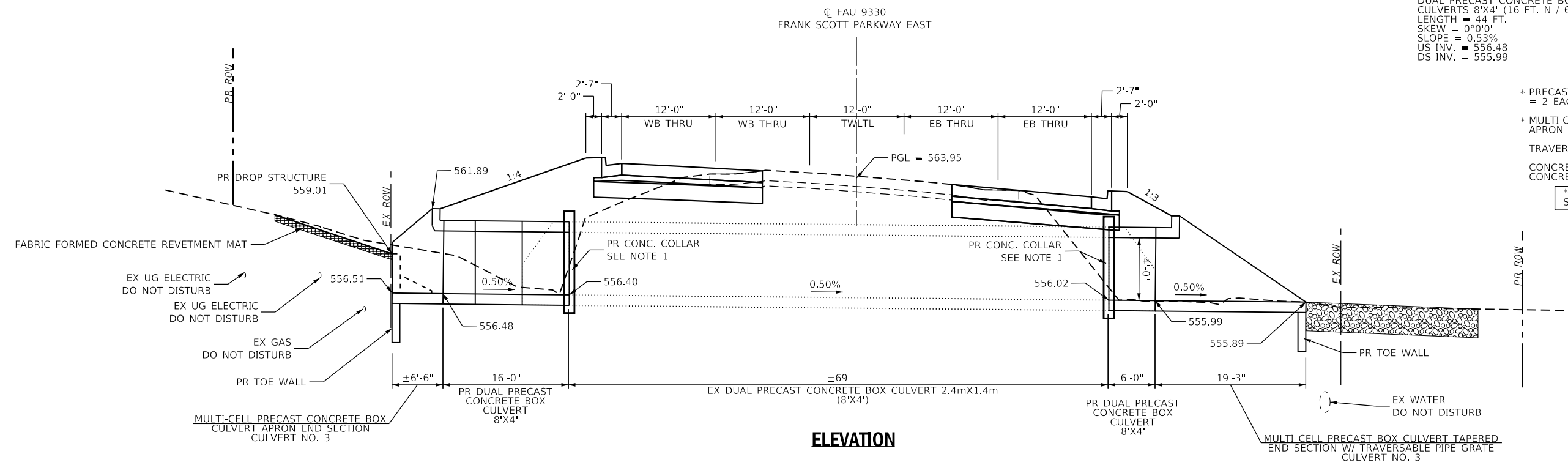
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	124
			CONTRACT NO. 97872	
ILLINOIS FED. AID PROJECT				

DESIGN INFORMATION - CULVERT NO. 3

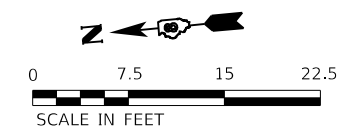
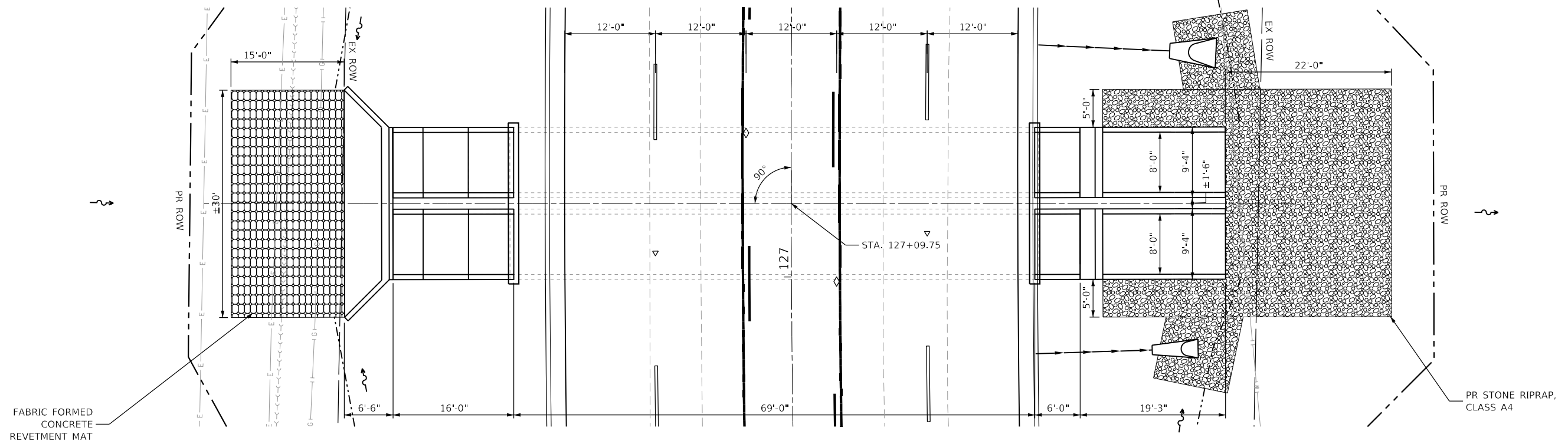
DUAL PRECAST CONCRETE BOX
 CULVERTS 8'X4' (16 FT. N / 6' S)
 LENGTH = 44 FT.
 SKEW = 0°0'0"
 SLOPE = 0.53%
 US INV. = 556.48
 DS INV. = 555.99

DA = 126 ACRE
 Q50 = 227 CFS
 Q100 = 262 CFS
 HW ELEV. (50YR) = 559.99
 50-YR OUTLET VEL. = 7.1 FT/S
 FREEBOARD = 5.0 FT

- * PRECAST BOX CULVERT TAPERED END SECTION = 2 EACH
- * MULTI-CELL PRECAST CONCRETE BOX CULVERT APRON END SECTION = 1 EACH
- TRAVERSABLE PIPE GRATE = 91.5 FEET
- CONCRETE COLLAR = 1.68 CU. YD. PER COLLAR
 CONCRETE COLLAR TOTAL VOLUME = 3.36 CU. YD.
- * PAID FOR AS BOX CULVERT END SECTIONS, CULVERT NO. 3



- NOTES:**
- SEE MULTI-CELL PRECAST CONCRETE BOX CULVERT APRON END SECTIONS DETAIL SHEET 2 OF 6 FOR "SECTION THRU CONNECTION COLLAR" AT JOINT BETWEEN EXISTING AND PROPOSED PRECAST CULVERT SECTIONS.



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PLOT DATE = 6/17/2025	CHECKED - JWS	REVISED -
	DATE - 06/2025	REVISED -



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

**CULVERT NO 3 - STA. 127 + 09.75
 EXTENSION DETAIL**

SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.U. RTE. 9330	SECTION 24-00301-26-PW	COUNTY ST. CLAIR	TOTAL SHEETS 191	SHEET NO. 125
ILLINOIS FED. AID PROJECT			CONTRACT NO. 97872	

GENERAL NOTES

Box Culvert End Sections shall be constructed according to the requirements of Section 540 of the Standard Specifications except as modified herein. End sections will be paid for at the contract unit price per each for Box Culvert End Sections.

Box section dimensions, materials, and reinforcement details for Box Culvert End Sections shall be according to the requirements for ASTM C 1577 as required for the design of the portion of the culvert within the limits of Precast Concrete Box Culverts except as modified herein.

Shop drawings that detail slab thickness and reinforcement layout for the Box Culvert End Sections shall be provided to the Engineer for review and approval. Reinforcement bars not detailed herein shall be detailed with a clear distance at the end of the reinforcement not less than 1/2" nor more than 2". Details for Double Cell Box Culvert shown. Details for Triple Cell Box Culvert similar.

The details contained herein are for constructing the end sections using cast-in-place (CIP) construction. The Contractor may propose to furnish the end sections using precast construction methods and the end sections may consist of multiple precast concrete segments. The Contractor shall be responsible for determining all details associated with the precast option including any strengthening or stiffening provisions necessary for handling the precast segments. Conceptual details followed by shop drawings and design calculations sealed by an Illinois Licensed Structural Engineer shall be submitted to the Engineer for review and approval. Elements of the precast option shall at a minimum result in the same wingwall geometry and not have a thickness less than that detailed herein. The option to construct the end sections using precast construction methods shall be at no additional charge.

The contractor may use reinforcement bars in lieu of welded wire reinforcement (WWR). Reinforcement bars shall be limited to the sizes of #3 through #5 bars, a maximum spacing of the lesser of 8" or the member thickness, and shall result in an area of reinforcement equal to or greater than that provided by the WWR. Minimum lap lengths detailed herein are applicable to WWR and reinforcement bars.

Reinforcement (circumferential and longitudinal) in the precast concrete box culvert segments immediately adjacent to the box culvert end sections that is being lapped with the end section reinforcement shall not be less than that required by ASTM C 1577 for the design fill height or the reinforcement detailed for the end section, whichever is greater.

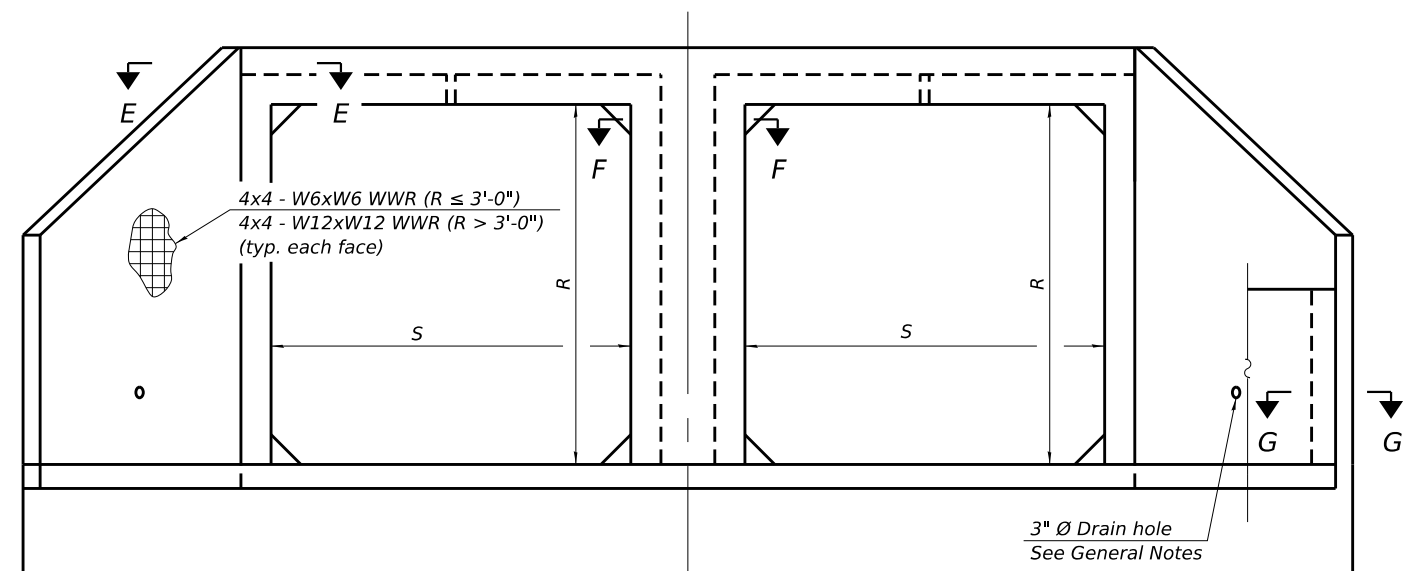
One drain hole shall be provided in each wingwall for end sections of box culverts having an opening with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert and shall conform to the requirements of Article 503.11 of the Standard Specifications.

Plan dimensions and details relative to the existing structure have been taken from existing plans and are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

APRON END SECTION DIMENSIONS

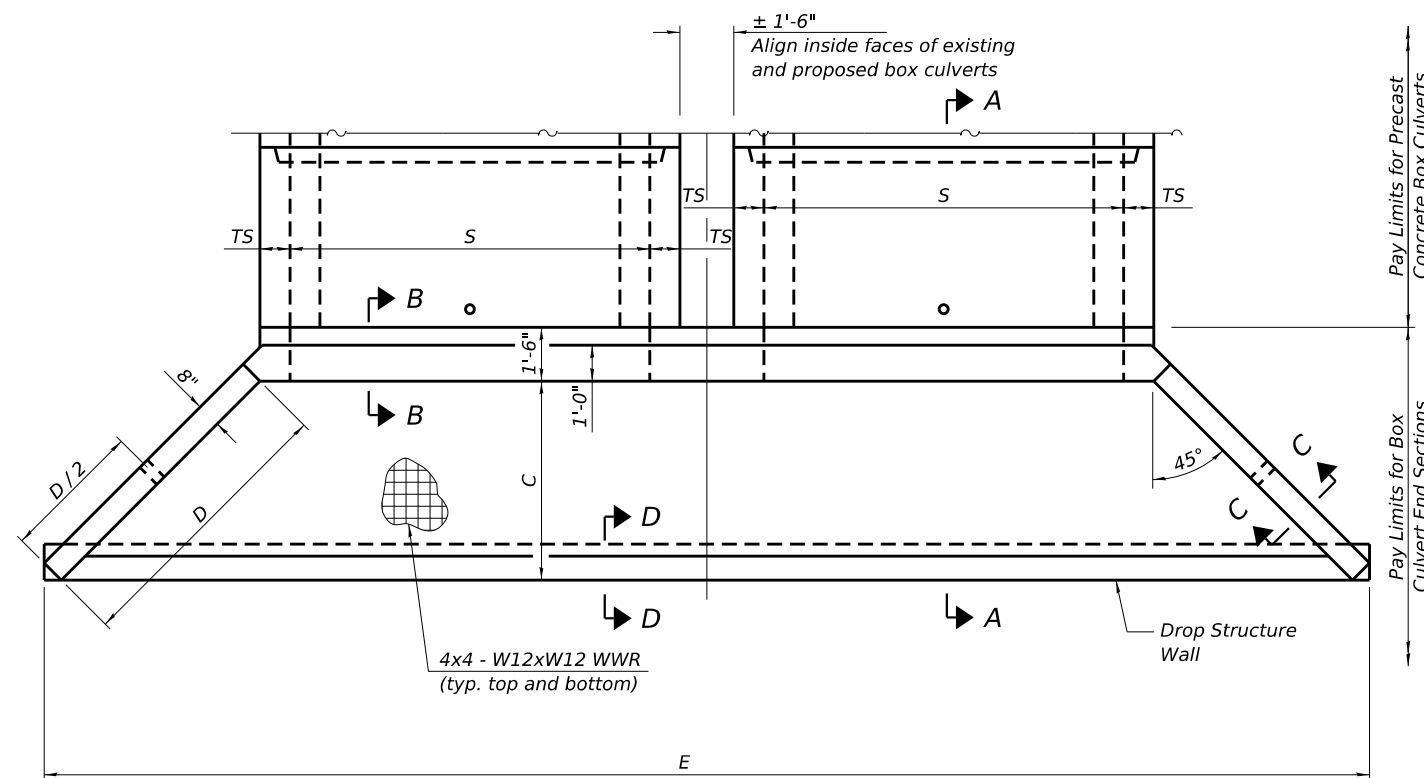
Span (S)	Rise (R)	Tt, Tb, & Ts	Double Cell				E*	Concrete Cu. Yd.*
			A	B	C	D		
6'-0"	4'-0"	8"	5'-5"	3'-3"	4'-11 3/8"	7'-0"	27'-0 1/8"	10.7
8'-0"	4'-0"	8"	5'-5"	3'-3"	4'-11 3/8"	7'-0"	31'-0 1/8"	12.7

* Dimensions and Concrete quantity assume gap between existing box culverts is 1'-6". See General Note about plan dimensions and details relative to the existing structure. Drop structure wall is included in Concrete quantity.

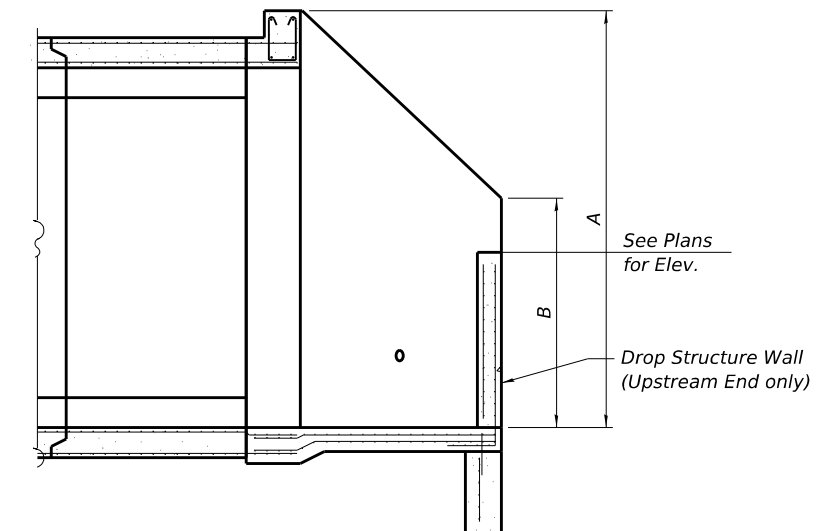


END VIEW

Drop Structure Wall not shown for clarity



PLAN



SECTION A-A

(Sheet 1 of 2)

MODEL: Default FILE NAME: P:\2018\1807884 CADD - DWG\4.4 StructDrawings\001-Multi-Cell Precast Concrete Box Culvert Apron End Section Upstream End Details.dgn

TWM, INC.
ENGINEERING
GEOSPATIAL SERVICES
ILL. DESIGN FIRM LICENSE NO: 184-001220

USER NAME = jmesenbrink	DESIGNED - JMM	REVISED -
PLOT SCALE = 0.167' / in.	CHECKED - MJJ	REVISED -
PLOT DATE = 6/5/2025	DRAWN - JMM	REVISED -
	CHECKED - MJJ	REVISED -



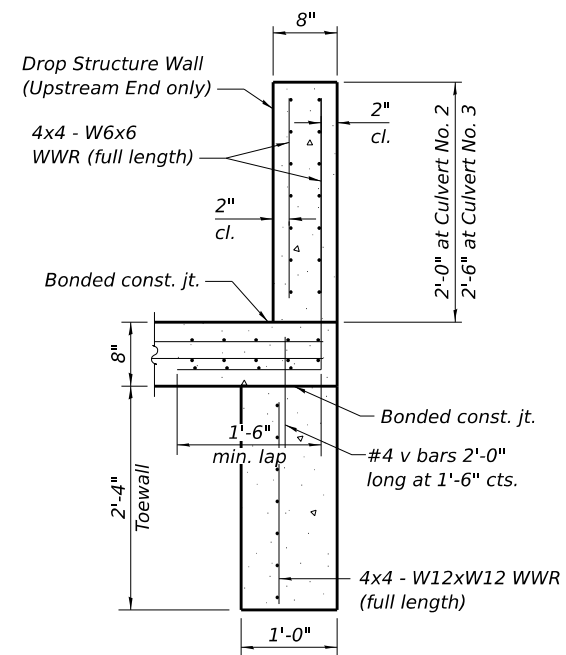
ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

MULTI-CELL PRECAST CONCRETE BOX CULVERT APRON END SECTIONS UPSTREAM END OF CULVERTS NO. 2 & 3

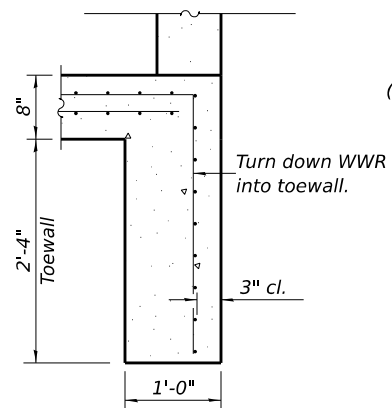
SHEET 1 OF 6 SHEETS

F.A.U. RTE. 9330	SECTION 24-00301-26-PW	COUNTY ST. CLAIR	TOTAL SHEETS 191	SHEET NO. 126
CONTRACT NO. 97872				
ILLINOIS FED. AID PROJECT				

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SECTION D-D



ALT. SECTION D-D

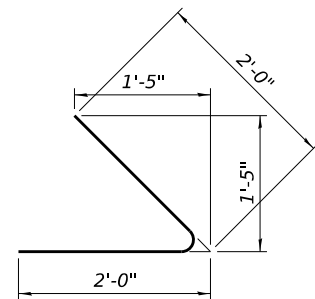
See Section D-D for Details not shown.

TOEWALL CONSTRUCTION SEQUENCE

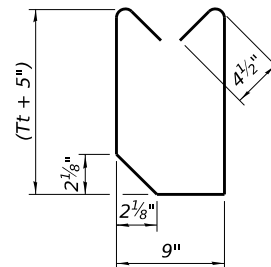
1. Perform excavation and construct toewall.
2. Backfill accordingly and prepare bedding for box culvert end sections.
3. Construct remainder of box culvert end section.

Note:

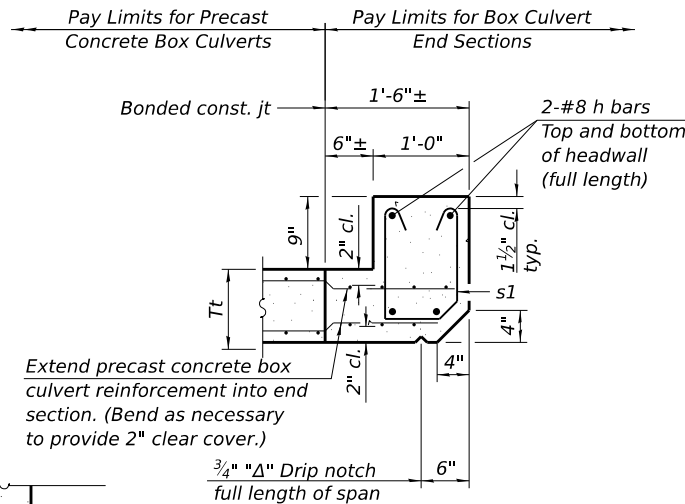
If soil conditions permit, the toewall may be poured monolithically with the bottom slab of the end section using Alt. Section D-D subject to approval from the Engineer.



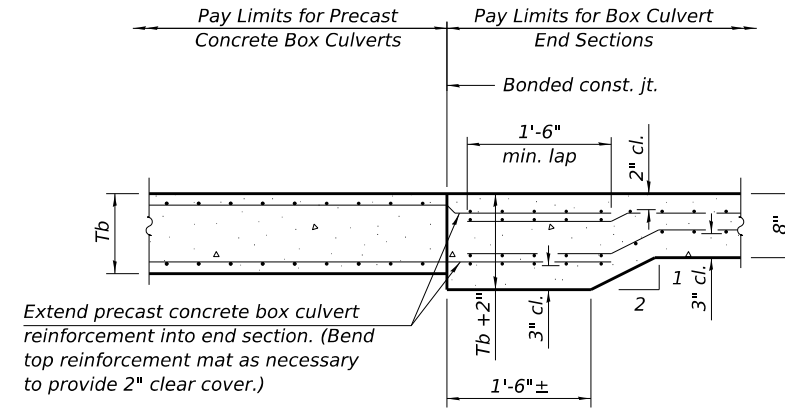
BAR h1



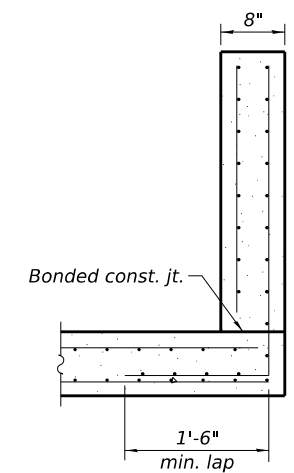
BAR s1



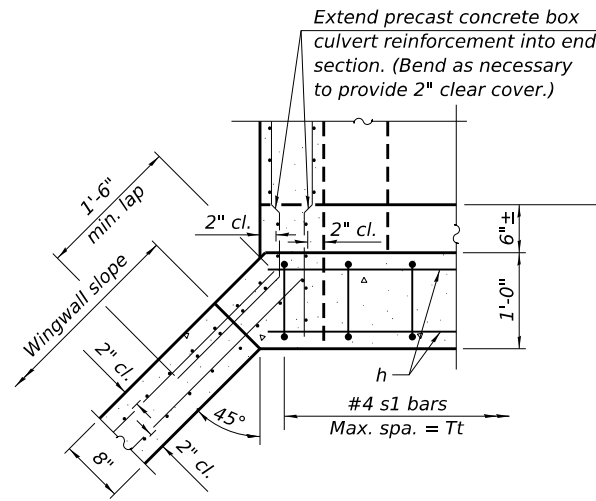
SECTION B-B
(Top slab at upstream end)



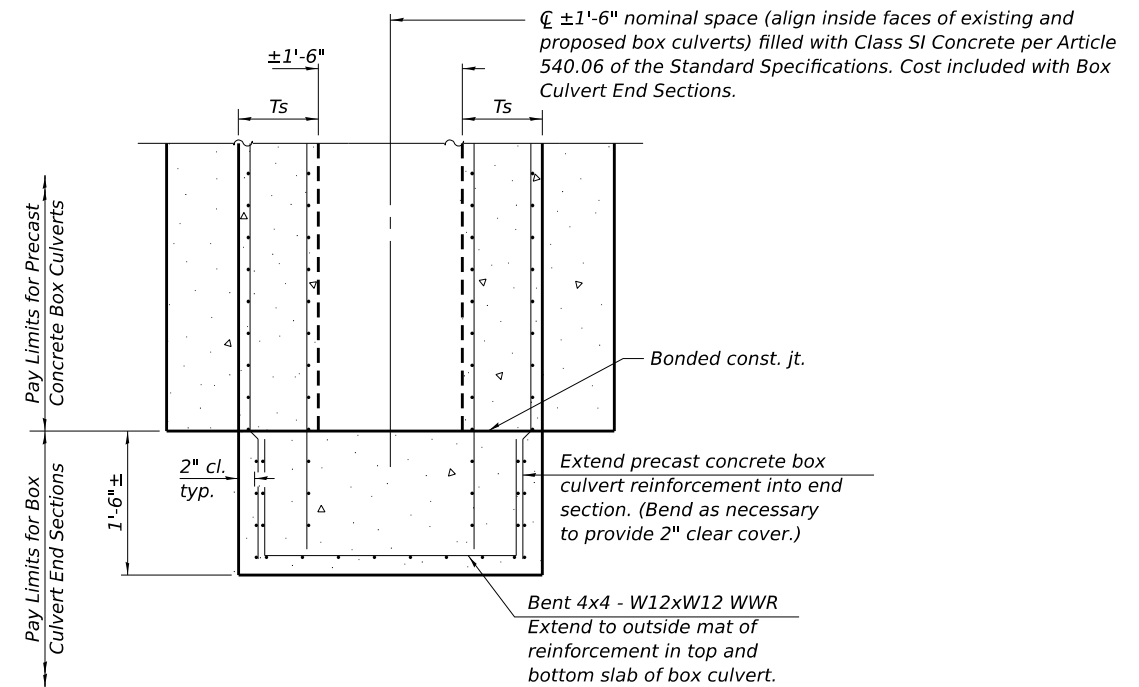
SECTION B-B
(Bottom slab)



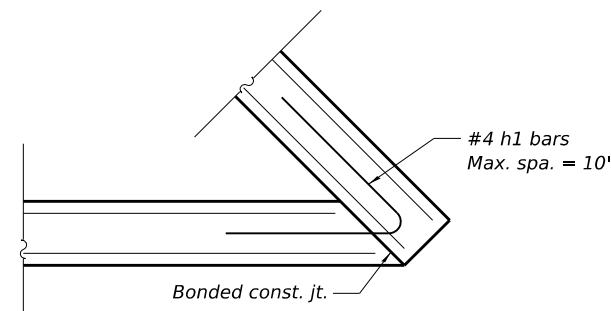
SECTION C-C



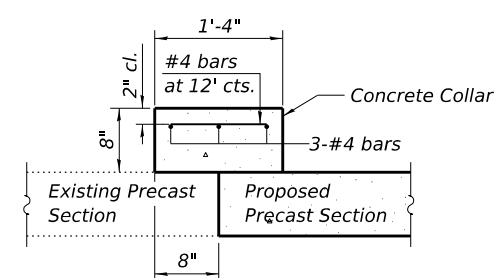
SECTION E-E



SECTION F-F



SECTION G-G



SECTION THRU CONNECTION COLLAR

(Sheet 2 of 2)



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 USER NAME = jmesenbrink
 PLOT SCALE = 0.167' / in.
 PLOT DATE = 6/5/2025

DESIGNED - JMM
 CHECKED - MJJ
 DRAWN - JMM
 CHECKED - MJJ
 REVISED -
 REVISED -
 REVISED -
 REVISED -



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

MULTI-CELL PRECAST CONCRETE BOX CULVERT APRON END SECTIONS UPSTREAM END OF CULVERTS NO. 2 & 3

SHEET 2 OF 6 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	127
CONTRACT NO. 97872				
		ILLINOIS	FED. AID PROJECT	

GENERAL NOTES

Box Culvert End Sections shall be constructed according to the requirements of Section 540 of the Standard Specifications except as modified herein. This work will be measured for payment as each, with each end of each culvert being one each. End sections will be paid for at the contract unit price per each for Box Culvert End Sections of the culvert number specified.

Typical box section dimensions, materials, and reinforcement details for Box Culvert End Sections shall be according to the requirements of ASTM C 1577 as required for the design of the portion of the culvert within the limits of Precast Concrete Box Culverts except as modified herein.

Number of segments shown in Elevation is for example only. Length and number of precast box sections required to construct Box Culvert End Sections shall be determined by the Contractor. See roadway plans for embankment slope (V:H).

1" Ø anchor rods for the culvert ties shall conform to the requirements of ASTM F1554, Grade 105. Structural steel for tie plate and restraint angle shall conform to the requirements of Article 1006.04 of the Standard Specifications. All components of the culvert tie detail shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable. 2 1/4" x 2 1/4" x 5/16" plate washers shall be provided under each nut required for the anchor rods. Anchor rods connecting precast sections shall be brought to a snug tight condition followed by an additional 1/2 turn on one of the nuts for anchor rods installed in the walls. Match marks shall be provided on the bolt and nut to verify relative rotation between the bolt and the nut. Holes in the walls for the culvert tie assembly may be drilled using core bits in lieu of using formed holes.

All costs associated with furnishing and installing or constructing the toewall and culvert ties will not be measured for payment but shall be included in the contract unit price for Box Culvert End Sections of the culvert number specified.

Drain holes shall conform to the requirements of Article 503.11 of the Standard Specifications unless noted otherwise.

Nonwoven geotextile fabric shall conform to the requirements of Article 1080.01. The minimum weight of the fabric shall be 6 oz. / sq. yd..

For end sections with traversable pipe grate systems, see grate detail sheet for required modifications. The ±1'-6" nominal space (align inside faces of existing and proposed box culverts) between adjacent end sections shall be filled with Class SI concrete in accordance with Article 540.06 of the Standard Specifications. Cost included with Box Culvert End Sections.

Details for double cell box culvert shown. Details for other multi-cell box culverts similar.

Plan dimensions relative to the existing structure have been taken from existing plans and are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

See Sheet 2 of 6 for Section Thru Connection Collar at Joint between existing and proposed precast box culvert segments.

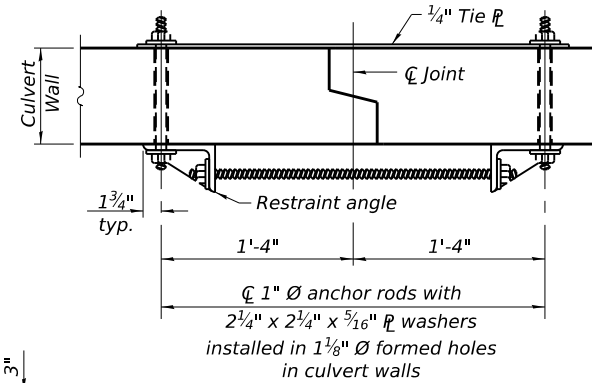
12" x 12" x 6" block of CA5, CA7, or CA11 coarse aggregate placed over drain opening. Block of aggregate shall be completely wrapped in nonwoven geotextile fabric.

Provide a double layer of 12" x 12" nonwoven geotextile fabric centered over the drain hole. Fabric shall be sealed to the concrete with mastic.

3" Ø PVC drain cast with the concrete (Adjust location to clear reinforcement).
1/2" Square foam blockout around PVC drain (to be removed with formwork)

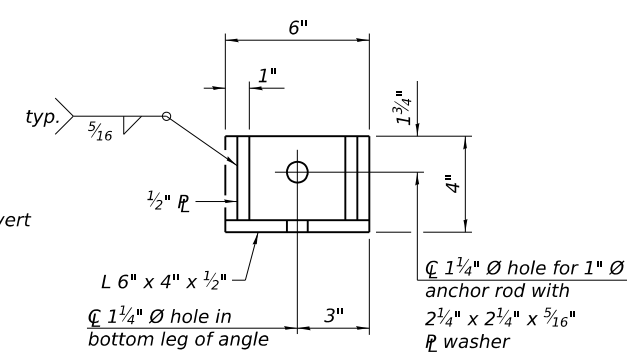
SECTION A-A

(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)

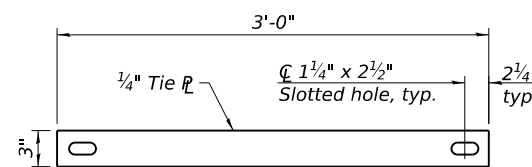


SECTION B-B

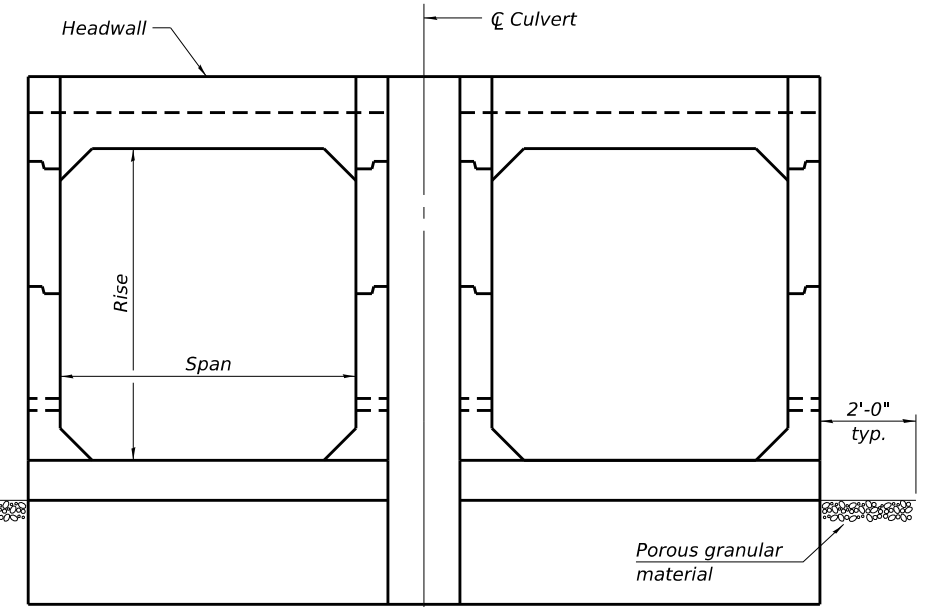
(Showing end section tie details)



RESTRAINT ANGLE DETAIL

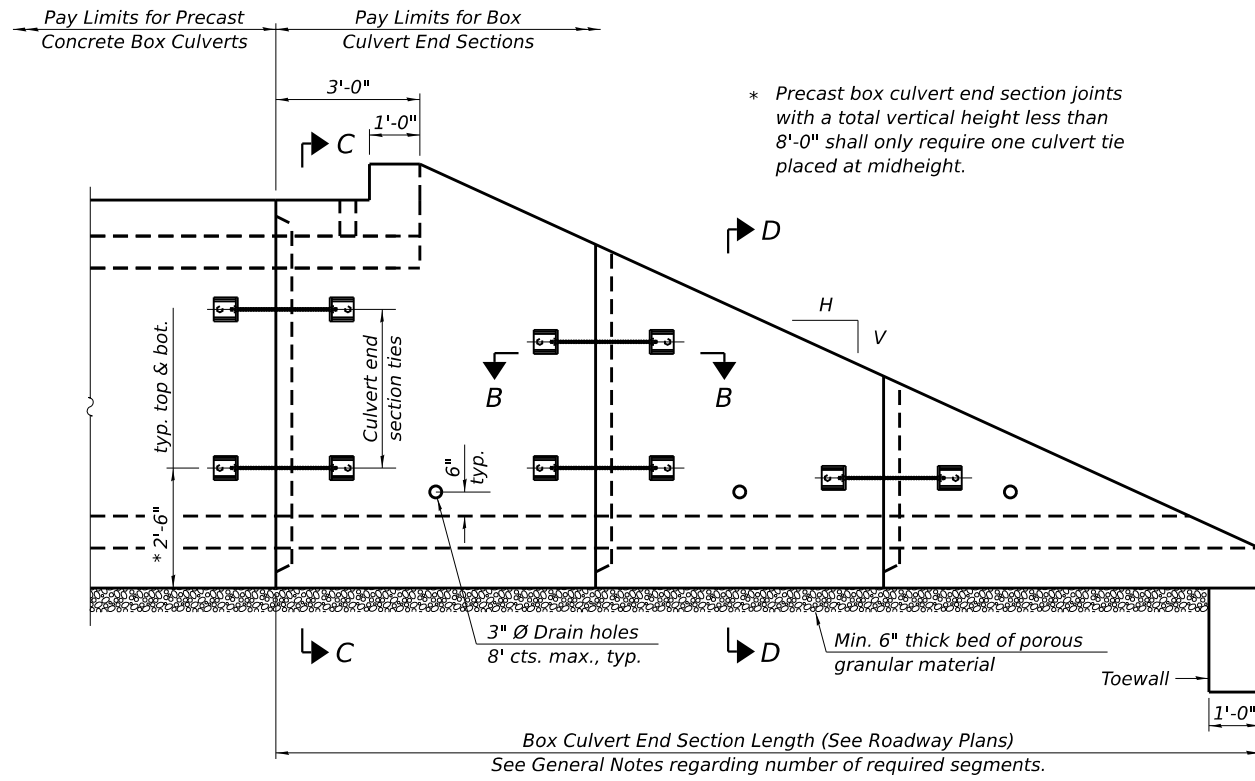


TIE PLATE DETAIL

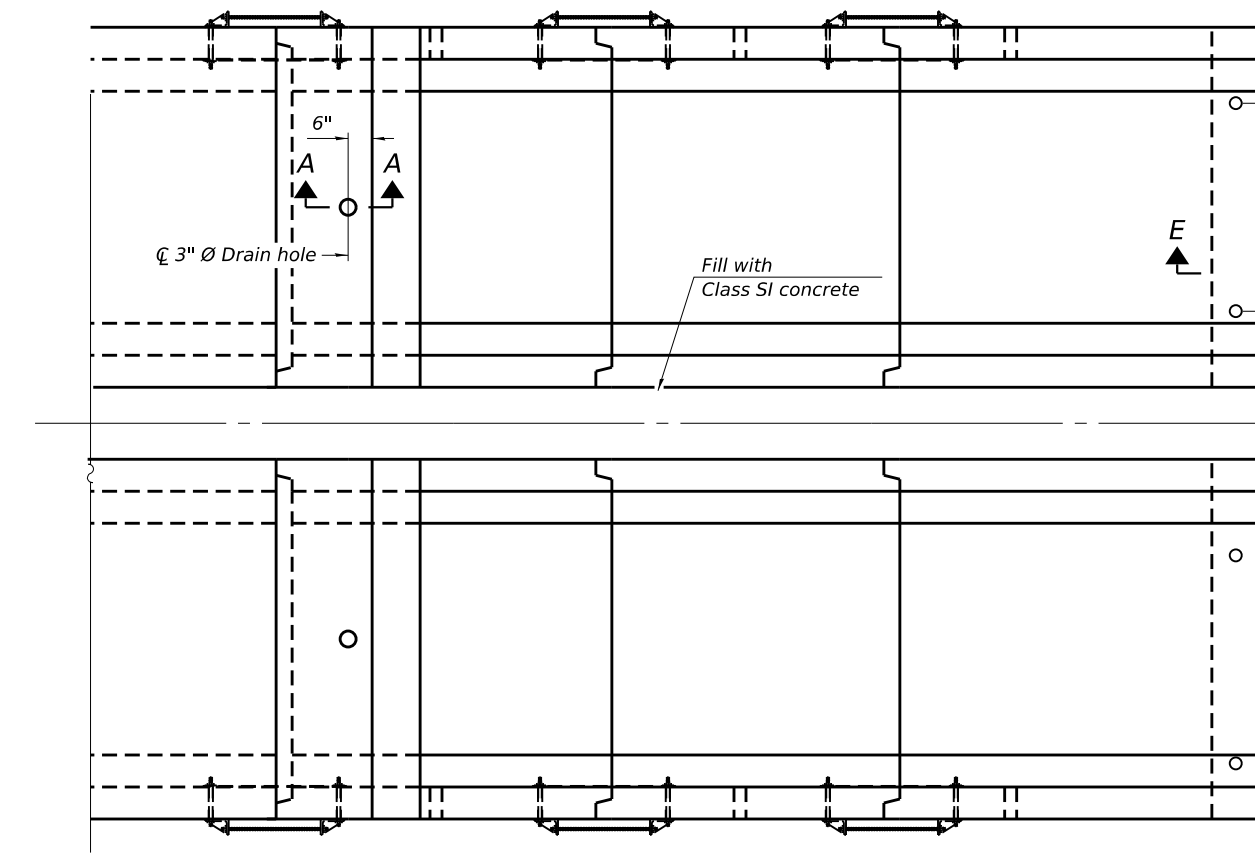


END VIEW

(Sheet 1 of 2)



ELEVATION



PLAN

MODEL: Default FILE NAME: P:\2018\1807884 CADD - DWG\4.4 StructDrawings\003-Multi-Cell Precast Box Culvert Tapered End Sections Downstream End.dgn

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LICENSE NO:
184-001220

USER NAME = jmesenbrink	DESIGNED - JMM	REVISED -
PLOT SCALE = 0.167' / in.	CHECKED - MJJ	REVISED -
PLOT DATE = 3/21/2025	DRAWN - JMM	REVISED -
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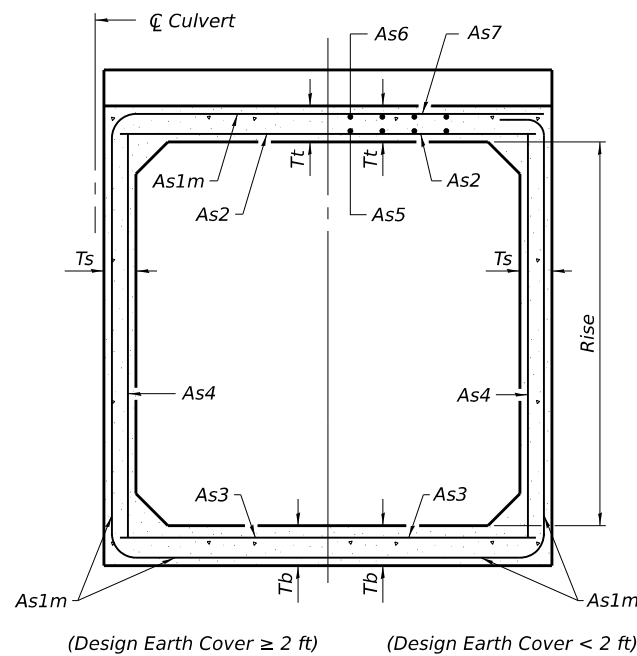


ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

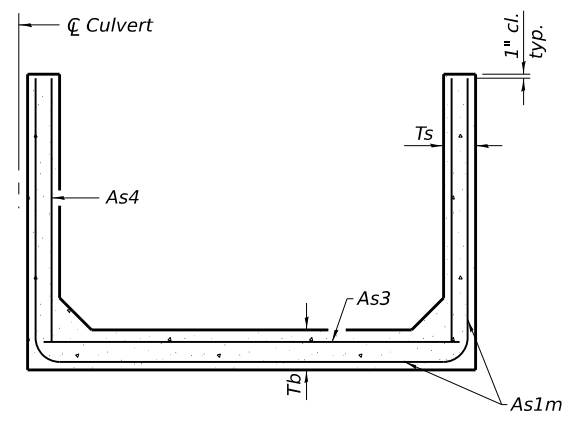
**MULTI-CELL PRECAST BOX CULVERT TAPERED END SECTIONS
DOWNSTREAM END OF CULVERTS NO. 2 & 3**

SHEET 3 OF 6 SHEETS

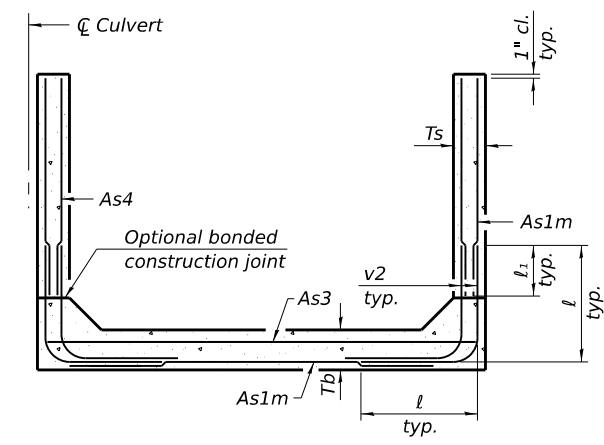
F.A.U. RTE. 9330	SECTION 24-00301-26-PW	COUNTY ST. CLAIR	TOTAL SHEETS 191	SHEET NO. 128
CONTRACT NO. 97872				
ILLINOIS FED. AID PROJECT				



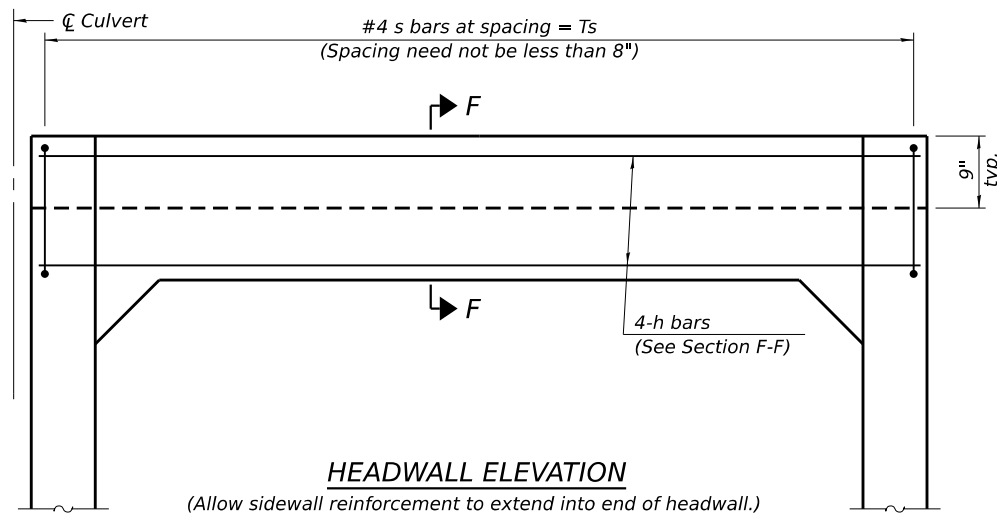
SECTION C-C



SECTION D-D



ALTERNATE SECTION D-D



HEADWALL ELEVATION

As1m REINFORCEMENT											
(in. ² /ft)											
Rise (ft)	2	3	4	5	6	7	8	9	10	11	12
4	0.19	0.17									
5	0.26	0.21	0.18								
6	0.22	0.26	0.23	0.22							
7	0.25	0.33	0.59	0.27	0.28						
8	0.40	0.35	0.43	0.39	0.36	0.34	0.40				
9	0.44	0.39	0.35	0.43	0.40	0.37	0.36	0.48			
10	0.48	0.42	0.38	0.47	0.44	0.41	0.38	0.42	0.56		
11	0.52	0.45	0.54	0.50	0.46	0.44	0.41	0.46	0.50	0.65	
12	0.55	0.49	0.58	0.54	0.50	0.48	0.45	0.46	0.46	0.61	0.75

(As1m reinforcement based upon welded wire reinforcement conforming to AASHTO M 55 or M 221).

l₁ DIMENSION

- #3 bar = 2'-0"
- #4 bar = 2'-8"
- #5 bar = 3'-4"
- #6 bar = 3'-11"

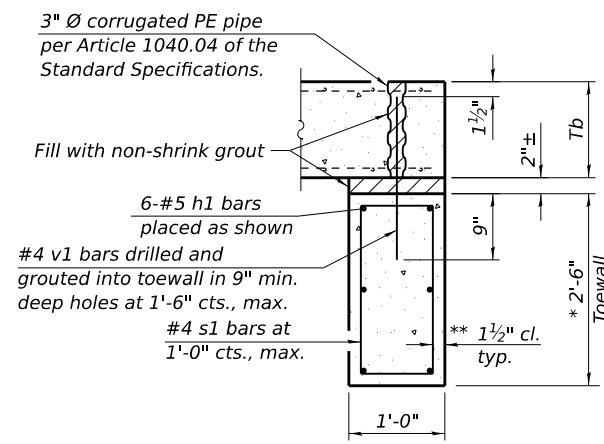
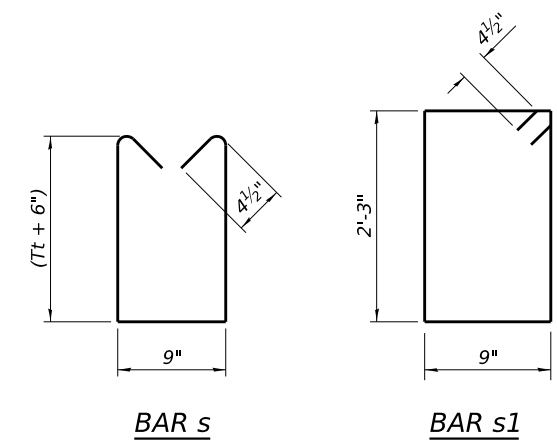
Notes:

Alternate Section D-D is provided to allow the Contractor the option of casting the bottom slab of the end section first followed by construction of the sidewalls using conventional forming methods. Shop drawings that detail slab thickness and reinforcement layout shall be submitted to the Engineer for review and approval when using Alternate Section D-D.

The size and spacing of the v2 bars shall provide a minimum reinforcement area along each face of the walls (in.²/ft.) equal to 1.10*(As1m). v2 bars may consist of #3 thru #6 size reinforcement bars and the longitudinal spacing shall not exceed the lesser of the wall thickness or 8 inches.

Bonded construction joints shall be prepared according to Article 503.09 of the Standard Specifications.

Sections C-C, D-D, and Headwall Elevation are symmetric about the centerline of the culvert through 180° rotation.



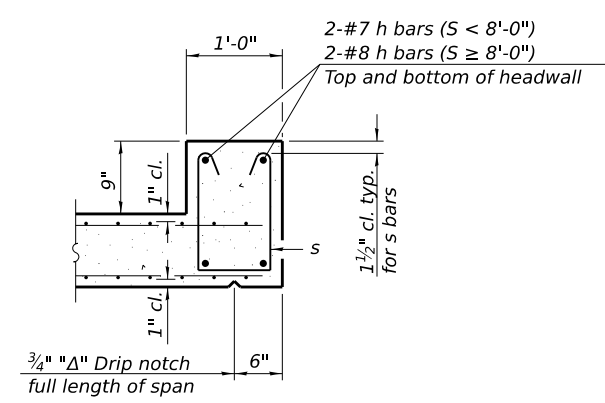
SECTION E-E

TOEWALL CONSTRUCTION SEQUENCE

1. Perform excavation and construct toewall.
2. Backfill according to the applicable paragraphs of Article 502.10 of the Standard Specifications and place bedding for precast box culvert end sections.
3. Set precast box culvert end section.
4. Drill and epoxy grout reinforcement in toewall in accordance with Section 584 of the Standard Specifications.
5. Pressure grout voids using non-shrink grout conforming to Section 1024 of the Standard Specifications.

* The Contractor may furnish a precast or cast-in-place toewall. The Contractor shall be responsible for the strength and stability of the precast toewall during handling. Additional lifting points may be required depending upon the length of the toewall or the Contractor may need to modify the design of the toewall for the proposed handling method.

** If soil conditions permit, the sides of the toewall may be poured directly against the soil. The clear cover on the sides of the toewall shall be increased to 3" by increasing the thickness of the toewall.



SECTION F-F

(Sheet 2 of 2)

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MCB-TES

5-15-2023



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DESIGNED - JMM
CHECKED - MJJ
PLOT SCALE = 0.167' / in.
DRAWN - JMM
PLOT DATE = 3/21/2025
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REVISED -



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

MULTI-CELL PRECAST BOX CULVERT TAPERED END SECTIONS DOWNSTREAM END OF CULVERTS NO. 2 & 3

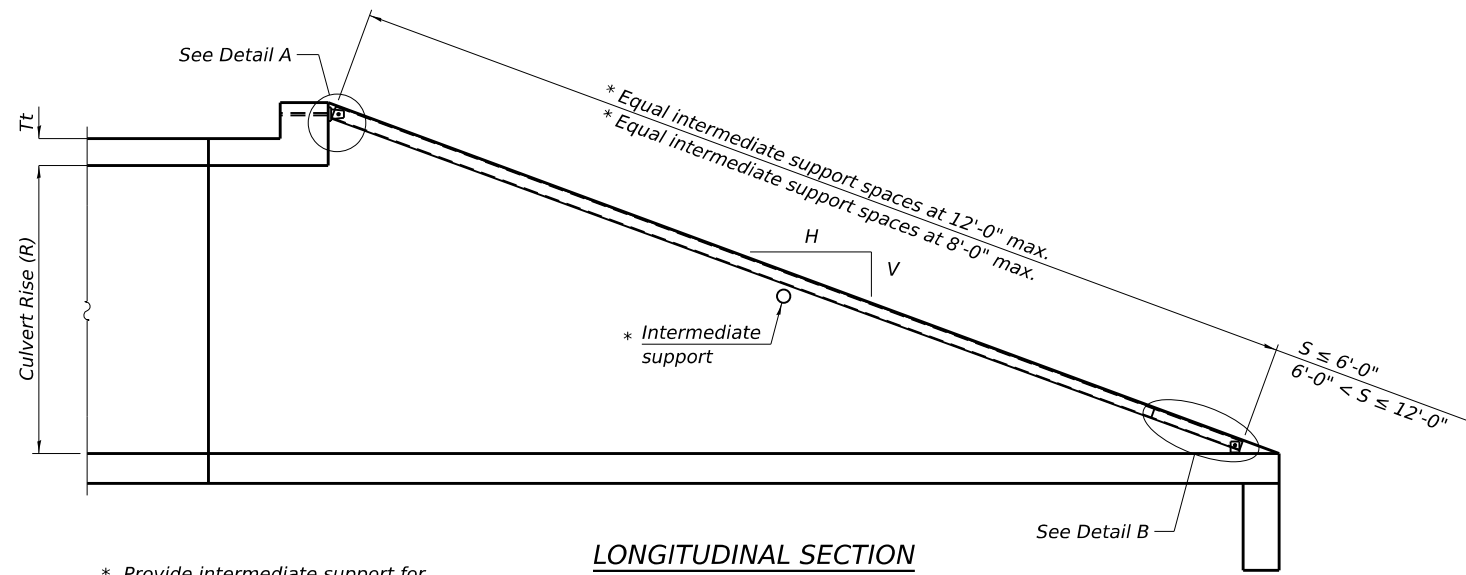
SHEET 4 OF 6 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 97872				
ILLINOIS FED. AID PROJECT				

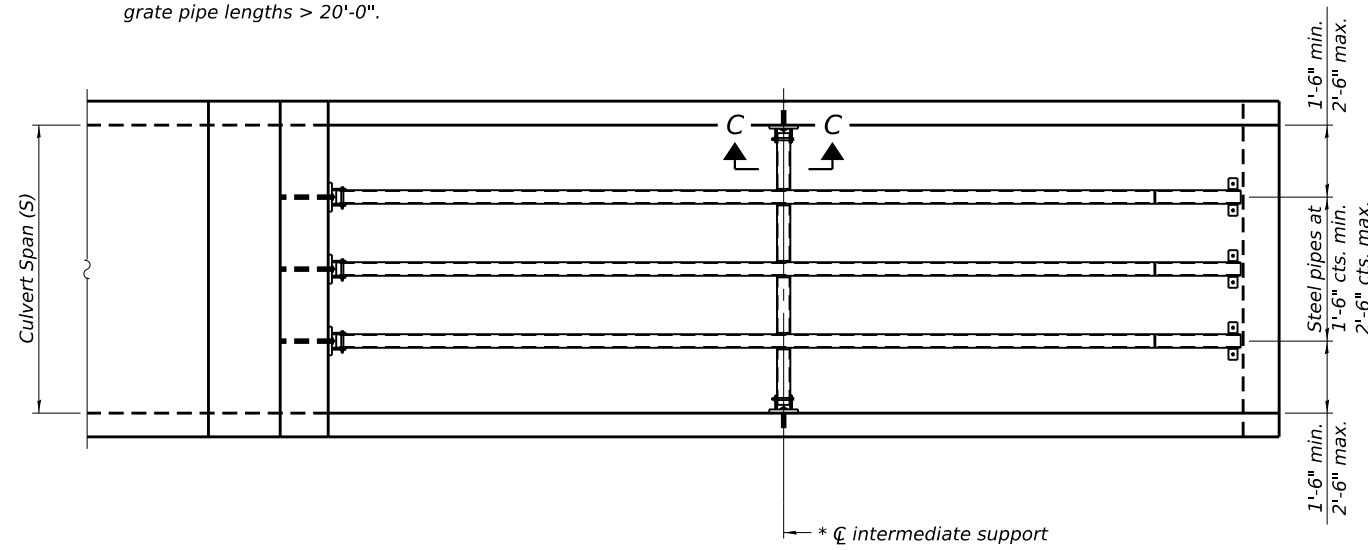
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GENERAL NOTES

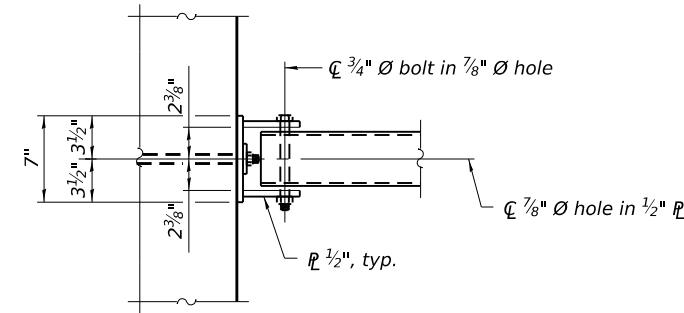
The minimum edge distance from the center of a hole to the free edge of a structural shape or plate shall be 1½" unless noted otherwise.
 This standard shall only be used on concrete end sections not skewed more than ±15 degrees with roadway.
 The Contractor may install the thru bolts using drilling and grouting in lieu of providing a formed hole using steel pipe. Installation shall be in accordance with Article 509.06 using a method that results in the annulus surrounding the bolt being completely filled with adhesive. The method of drilling shall not result in spalled concrete at the exit face. Epoxy grouted thru bolts shall be snug tightened followed by an additional ½ turn on the interior nut at final installation. Cost included with Traversable Pipe Grate.



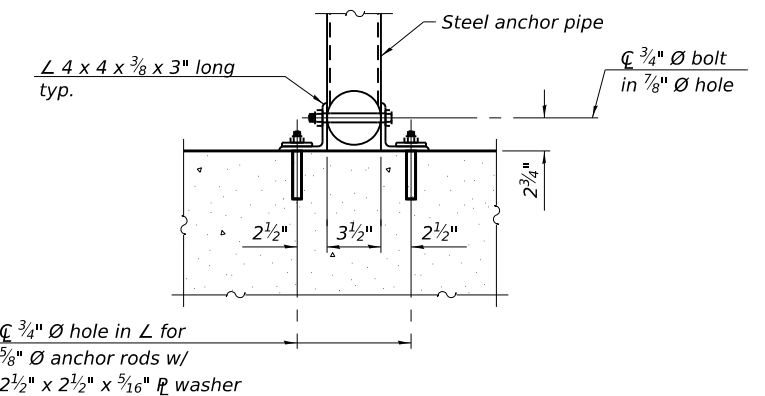
LONGITUDINAL SECTION



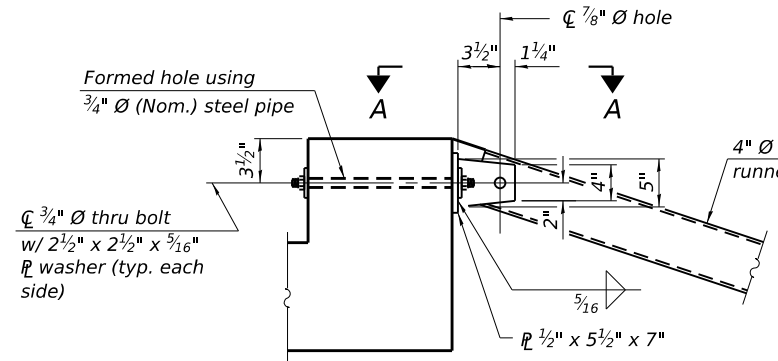
PLAN VIEW



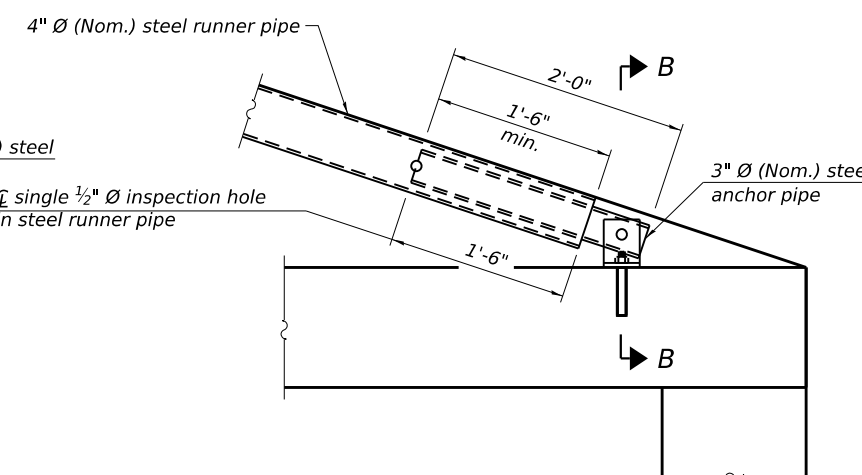
VIEW A-A



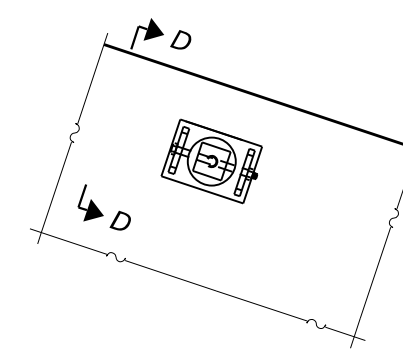
SECTION B-B



DETAIL A

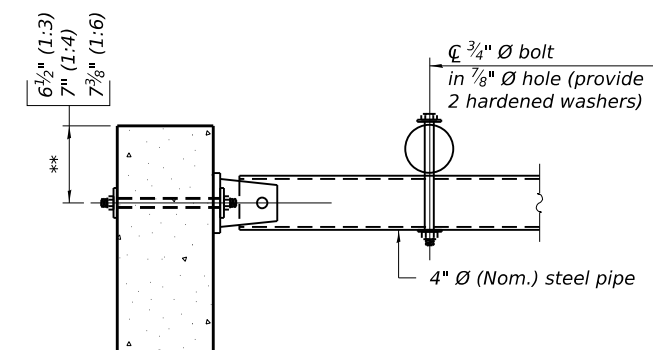


DETAIL B



VIEW C-C

(See Detail A for dimensions and details not shown.)



SECTION D-D

** Measured perpendicular to top of culvert wall. In addition, formed hole shall be located a minimum of 6" measured horizontally from any vertical joints necessary for construction of the culvert end section.

(Sheet 1 of 2)

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TPGBC-ZS

5-15-2023



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PLOT DATE =	3/21/2025	CHECKED -	MJJ	REVISED -	



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

TRAVERSABLE PIPE GRATE FOR BOX CULVERTS DOWNSTREAM END OF CULVERTS NO. 2 & 3

SHEET 5 OF 6 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	130
CONTRACT NO. 97872				
ILLINOIS FED. AID PROJECT				

PIPE-GRATE SCHEDULE FOR BOX CULVERT END SECTIONS

Table with columns for Precast Box Culvert Dimensions (S, R, Tt) and Slope of End Section (1:3, 1:4, 1:6) with sub-columns for Main Pipe, Int. Support, and Total Length. Includes various pipe configurations and lengths.

(Sheet 2 of 2)

TPGBC-ZS

5-15-2023



USER NAME = jmesenbrink
DESIGNED - JMM
CHECKED - MJJ
PLOT SCALE = 0.167' / in.
DRAWN - JMM
PLOT DATE = 3/21/2025
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REVISD -
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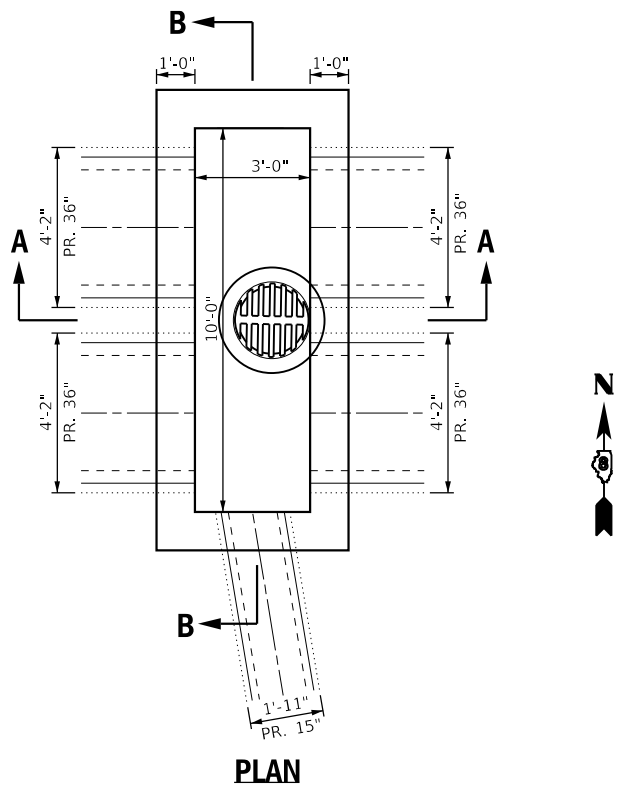


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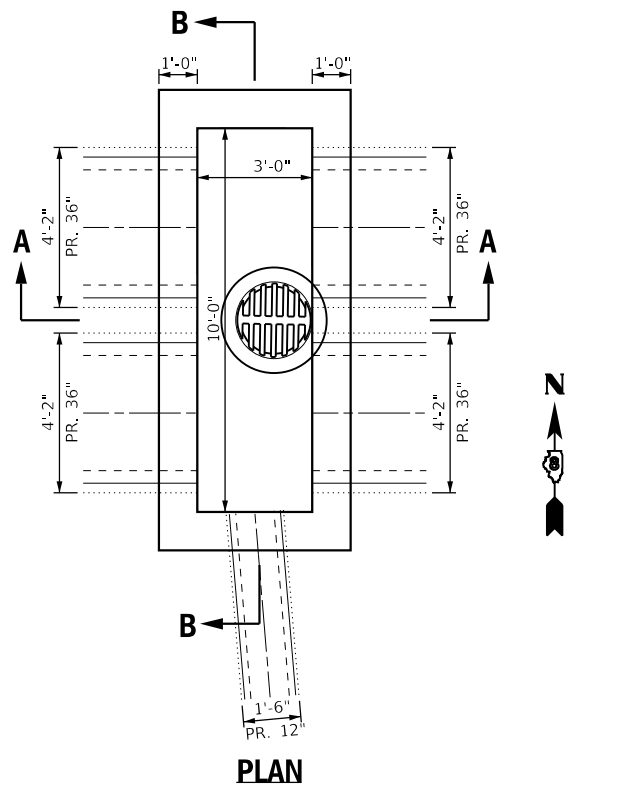
TRAVERSABLE PIPE GRATE FOR BOX CULVERTS SECTION DETAILS - DOWNSTREAM END OF CULVERTS NO. 2 & 3

Table with columns for F.A.U. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO., and CONTRACT NO. 97872

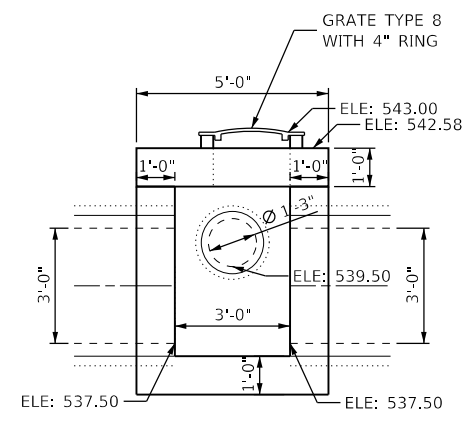
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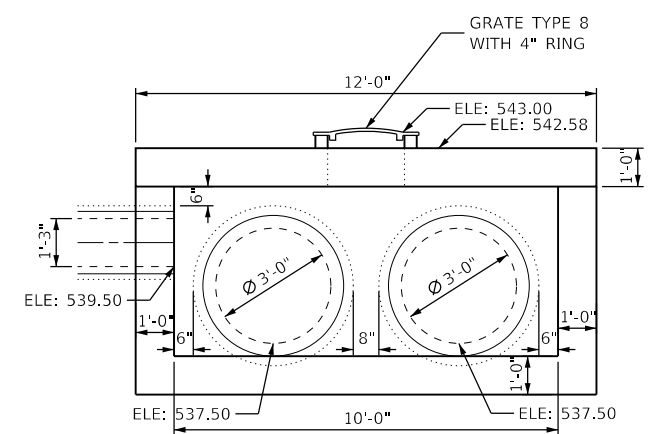
PLAN



PLAN

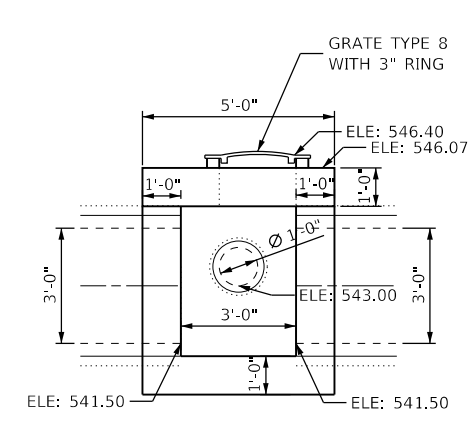


SECTION A-A

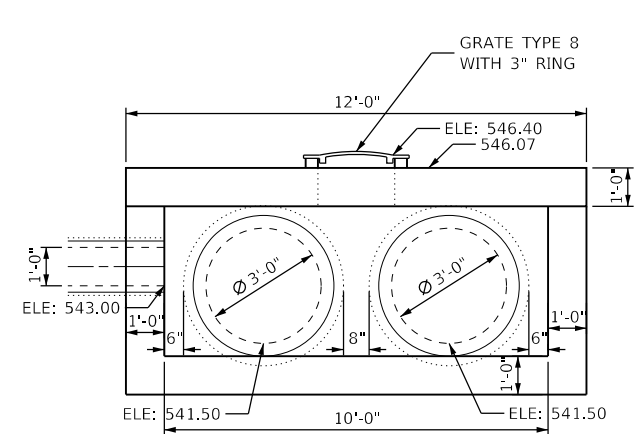


SECTION B-B

INLETS, SPECIAL NO. 1



SECTION A-A



SECTION B-B

INLETS, SPECIAL NO. 2

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TWM, INC.
 www.twm-inc.com
 IL DESIGN FIRM
 LICENSE NO: 184-001220
 USER NAME = efisher
 PLOT SCALE = 5,0000' / in.
 PLOT DATE = 6/17/2025

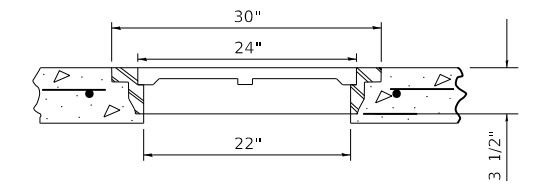
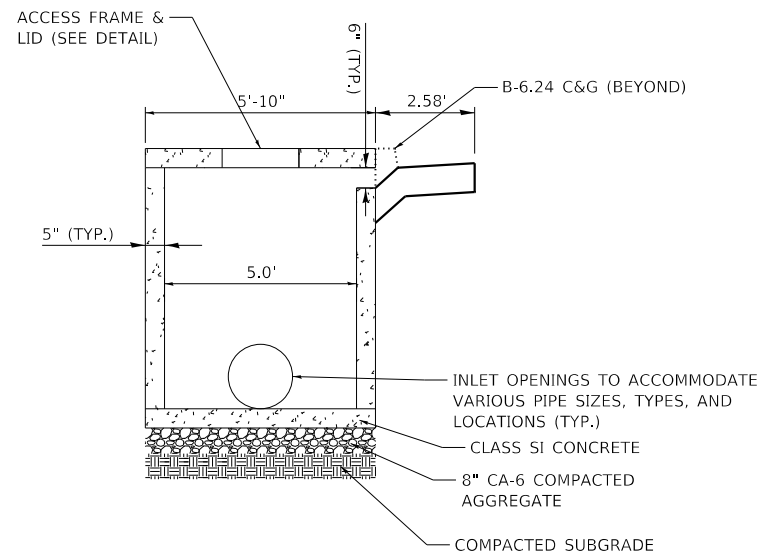
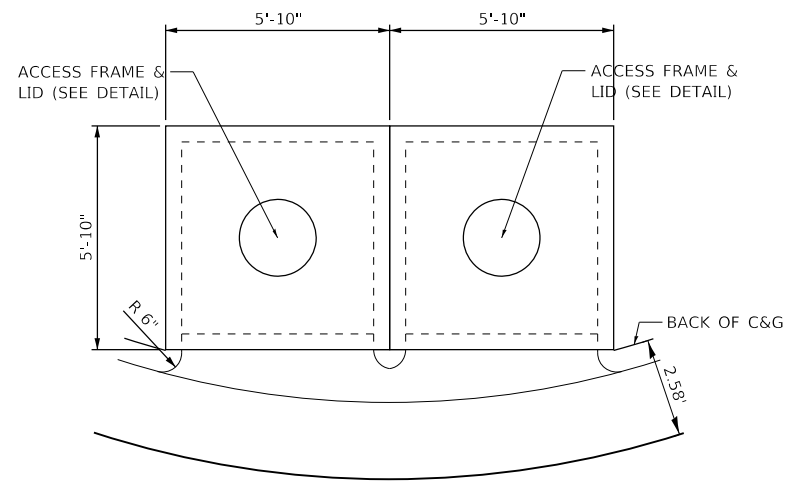
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DRAWN -	EKF/KDD	REVISED -	
CHECKED -	JWS	REVISED -	
DATE -	06/2025	REVISED -	



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

MISCELLANEOUS DETAILS
 SCALE: N.T.S. SHEET 1 OF 3 SHEETS STA. TO STA.

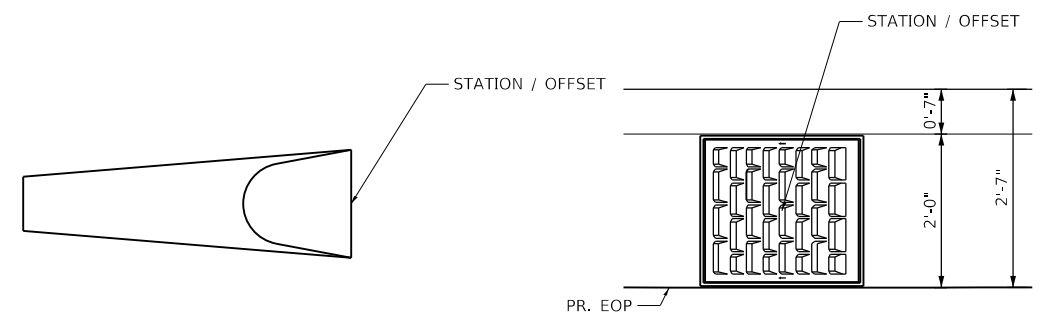
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	132
CONTRACT NO. 97872				
ILLINOIS FED. AID PROJECT				



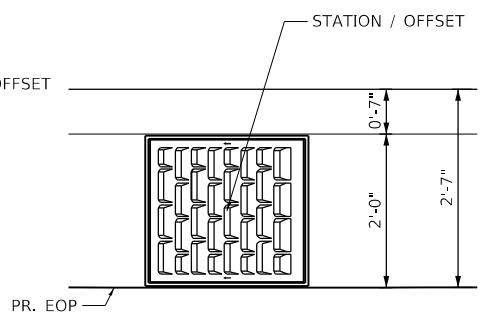
ACCESS FRAME AND LID

INLETS, SPECIAL, NO. 3

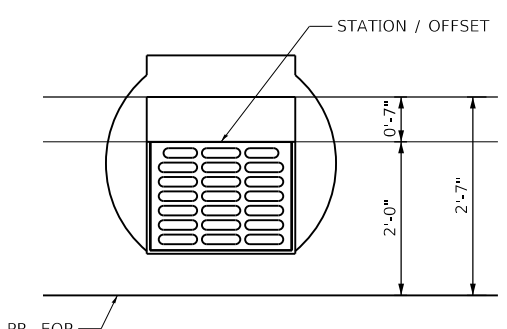
DOUBLE OPEN THROAT INLET WITH 1 OPENING



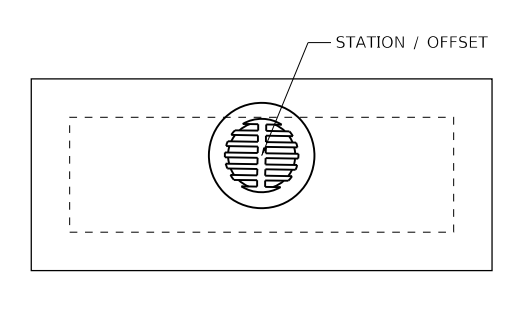
**PRECAST REINFORCED CONCRETE
FLARED END SECTION**



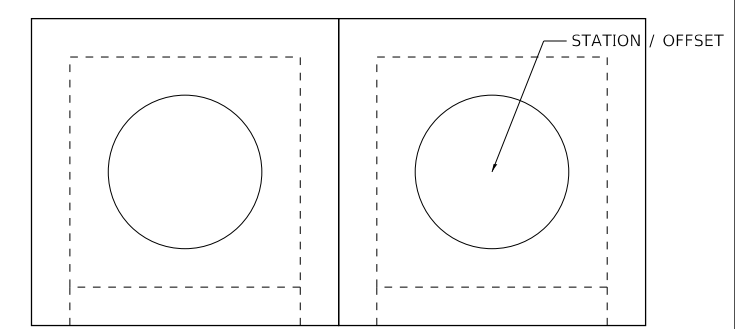
TYPE 24 FRAME AND GRATE
TOS = AT GUTTER FLOW LINE



TYPE 3 FRAME AND GRATE
TOS = AT GUTTER FLOW LINE



INLETS, SPECIAL, NO. 1 AND NO. 2
TOS = AT GRATE FLOW LINE



INLETS, SPECIAL, NO. 3
TOS = AT CENTER OF LID

DRAINAGE CALLOUTS

MODEL: Dwg.dwg
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LICENSE NO:
184-001220

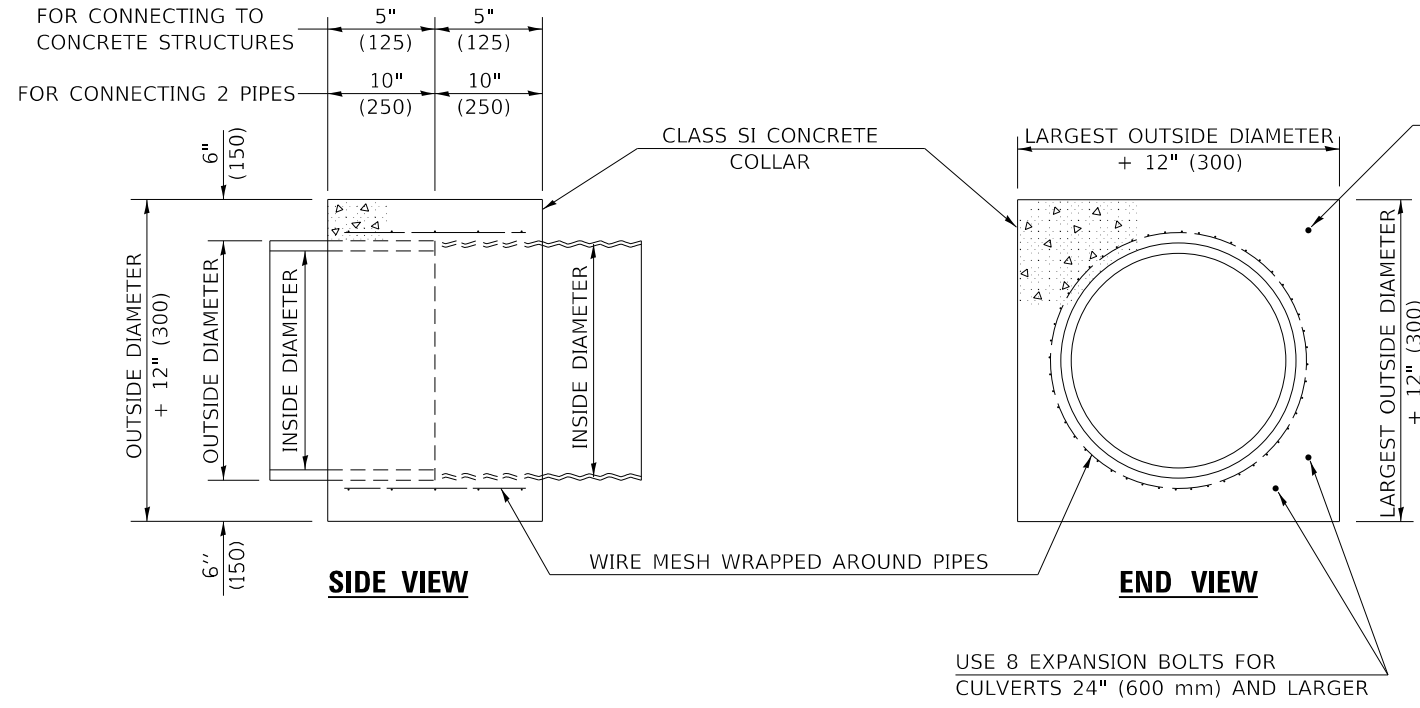
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	DRAWN - EKF/KDD	REVISED -
PLOT SCALE = 5,000' / in.	CHECKED - JWS	REVISED -
PLOT DATE = 6/17/2025	DATE - 06/2025	REVISED -



**ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES**

MISCELLANEOUS DETAILS
SCALE: N.T.S. SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	133
CONTRACT NO. 97872				
ILLINOIS FED. AID PROJECT				



USE 4 EXPANSION BOLTS FOR CULVERTS SMALLER THAN 24" (600 mm)

USE 8 EXPANSION BOLTS FOR CULVERTS 24" (600 mm) AND LARGER

QUANTITIES FOR:	CONCRETE PIPES	METAL PIPES
INSIDE DIAMETER OF PIPE	ESTIMATED CLASS SI CONCRETE REQUIRED	ESTIMATED CLASS SI CONCRETE REQUIRED
INCH (mm)	CU.YD. (m ³)	CU.YD. (m ³)
4" (100)	0.14 (0.11)	0.14 (0.11)
6" (150)	0.16 (0.12)	0.16 (0.12)
8" (200)	0.19 (0.14)	0.19 (0.14)
10" (250)	0.22 (0.17)	0.22 (0.17)
12" (300)	0.25 (0.19)	0.25 (0.19)
15" (375)	0.30 (0.23)	0.30 (0.23)
18" (450)	0.35 (0.27)	0.35 (0.27)
24" (600)	0.45 (0.35)	0.45 (0.35)
30" (750)	0.57 (0.43)	0.57 (0.43)
36" (900)	0.69 (0.53)	0.69 (0.53)
42" (1050)	0.83 (0.63)	0.83 (0.63)
48" (1200)	0.97 (0.74)	0.97 (0.74)
54" (1350)	1.12 (0.86)	1.12 (0.86)
60" (1500)	1.28 (0.98)	1.28 (0.98)

GENERAL NOTES

1. CLASS SI CONCRETE SHALL BE USED THROUGHOUT.
2. WHEN CONCRETE COLLARS ARE USED TO CONNECT PIPES OF DIFFERENT OUTSIDE DIAMETERS, THE CONCRETE COLLAR SHALL BE FORMED USING THE LARGEST OUTSIDE DIAMETER (SEE END VIEW).
3. THE WIRE MESH SHALL WEIGH NOT LESS THAN 54#/100 SQ. FT. (2.63 kg/m²).
4. WHEN CONCRETE COLLARS ARE CONSTRUCTED ADJACENT TO AN EXISTING CONCRETE STRUCTURE (HEADWALLS, ETC.) EXPANSION BOLTS, SHALL BE USED AND WILL BE PAID FOR AT THE CONTRACT UNIT PRICE, EACH, FOR EXPANSION BOLTS OF THE SIZE SPECIFIED IN THE PLANS.
5. CONCRETE COLLARS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE, PER CUBIC YARD (CUBIC METER), FOR CONCRETE COLLARS INCLUDING ALL MATERIAL, REINFORCEMENT BARS AND LABOR SPECIFIED TO COMPLETE THE WORK IN PLACE.

PIPE CULVERT EXTENSION COLLAR

MODEL: D:\p4\it...
 FILE NAME: P:\2018\1807884_CADD...DWG\4.7_Tran\CADD_Sheets\Federal\1807884-shr\shrculvert-collar.dgn



TWM, INC.
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 IL DESIGN FIRM
 LICENSE NO: 184-001220

USER NAME = efisher	DESIGNED - EKF	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN - EKF/KDD	REVISED -
PLOT DATE = 6/17/2025	CHECKED - JWS	REVISED -
	DATE - 06/2025	REVISED -



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

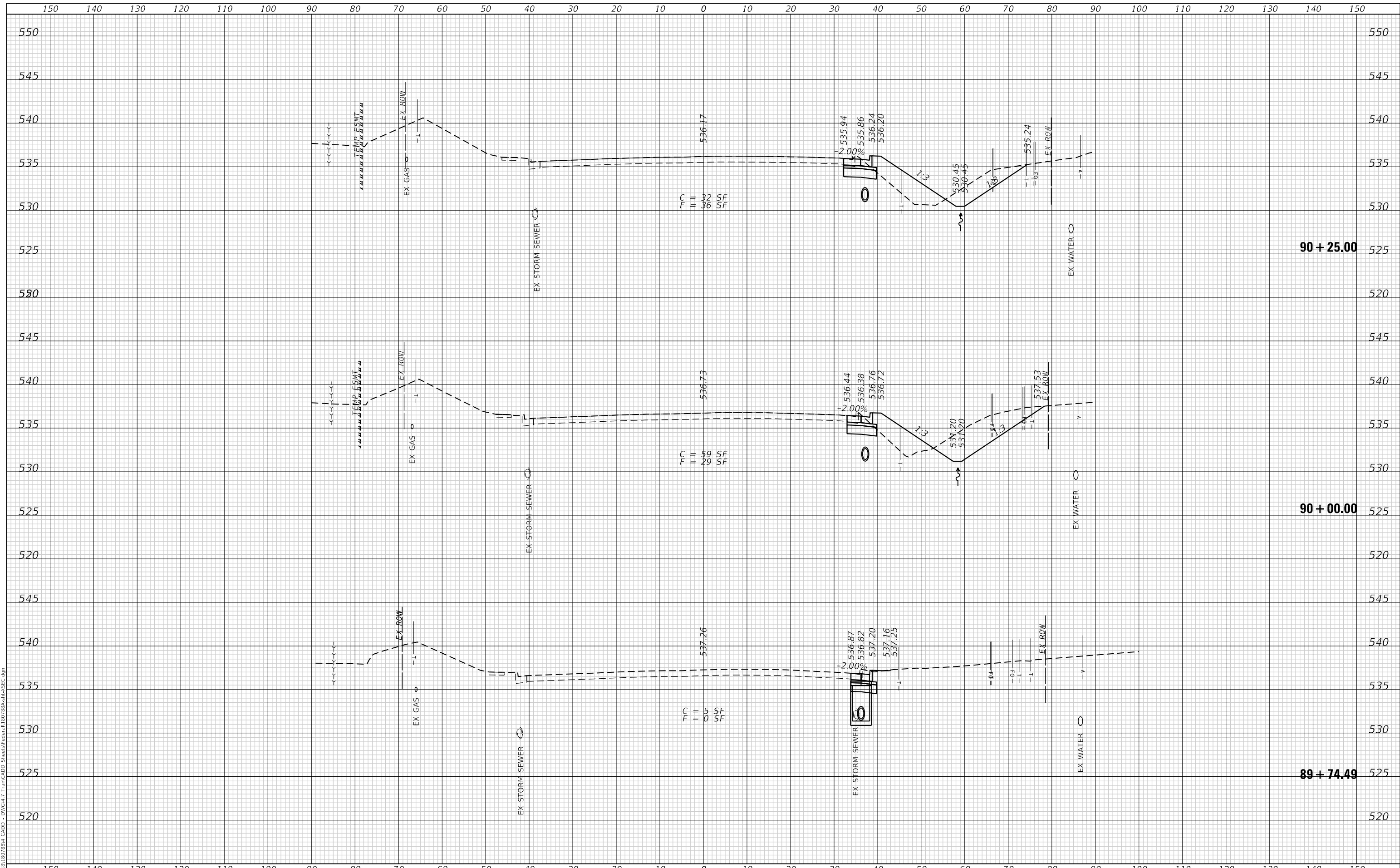
MISCELLANEOUS DETAILS
 SCALE: N.T.S. SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	134
			CONTRACT NO. 97872	
			ILLINOIS FED. AID PROJECT	

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

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

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 ILLINOIS DESIGN FIRM LICENSE NO: 184-001220

USER NAME = efisher	DESIGNED - EKF	REVISED -
	DRAWN - EKF/KDD	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JWS	REVISED -
PLOT DATE = 6/17/2025	DATE - 06/2025	REVISED -



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

CROSS SECTIONS

SCALE: 1"=10' SHEET 1 OF 57 SHEETS STA. 89+74.49 TO STA. 90+25.00

F.A.U. RTE. 9330	SECTION 24-00301-26-PW	COUNTY ST. CLAIR	TOTAL SHEETS 191	SHEET NO. 135
			CONTRACT NO. 97872	
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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USER NAME = efisher	DESIGNED - EKF	REVISED -
	DRAWN - EKF/KDD	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JWS	REVISED -
PLOT DATE = 6/17/2025	DATE - 06/2025	REVISED -



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

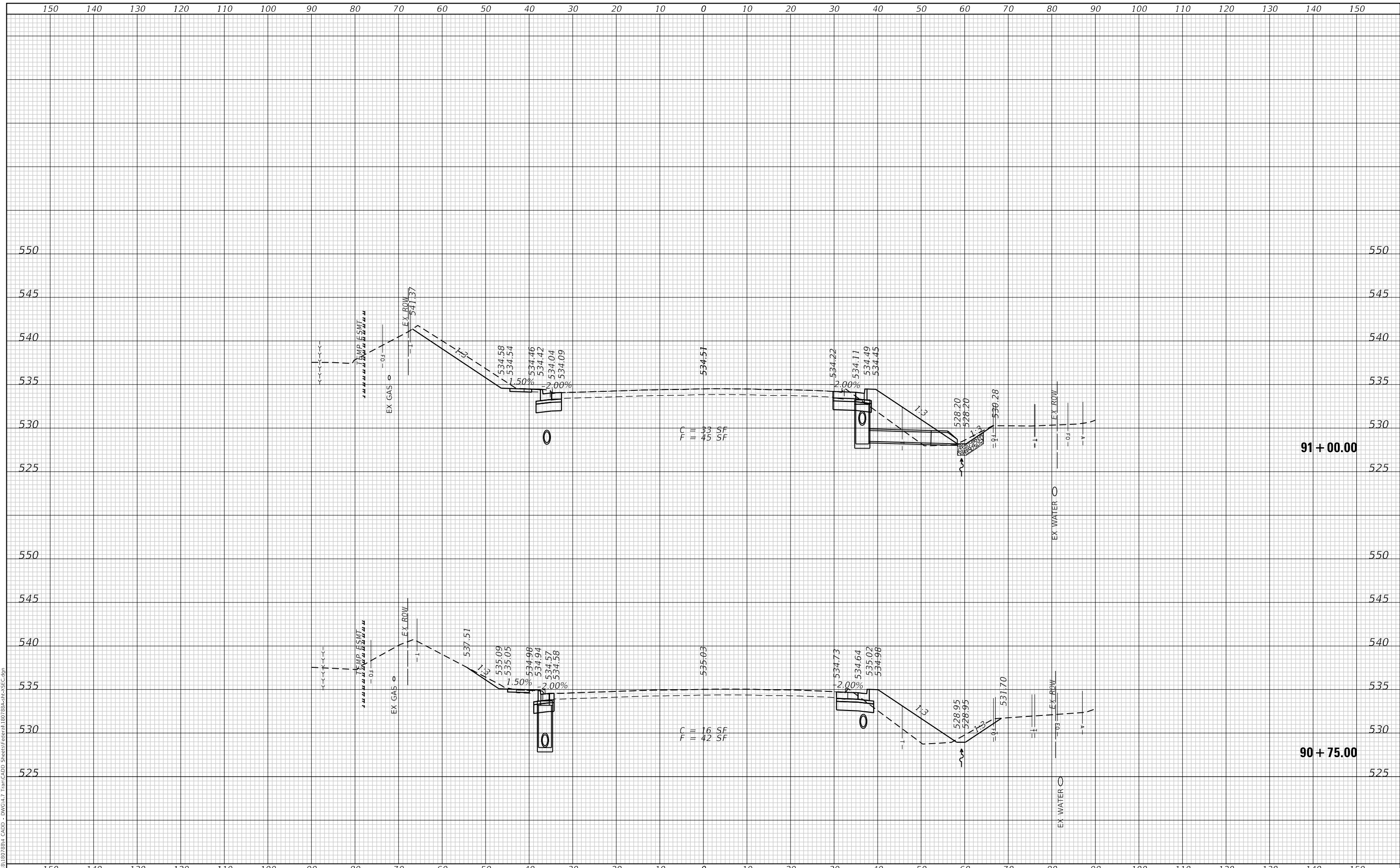
CROSS SECTIONS			
SCALE: 1"=10'	SHEET 2	OF 57 SHEETS	STA. 90+50.00 TO STA. 90+53.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	136
				CONTRACT NO. 97872
				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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USER NAME = efisher	DESIGNED - EKF	REVISED -
	DRAWN - EKF/KDD	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JWS	REVISED -
PLOT DATE = 6/17/2025	DATE - 06/2025	REVISED -



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

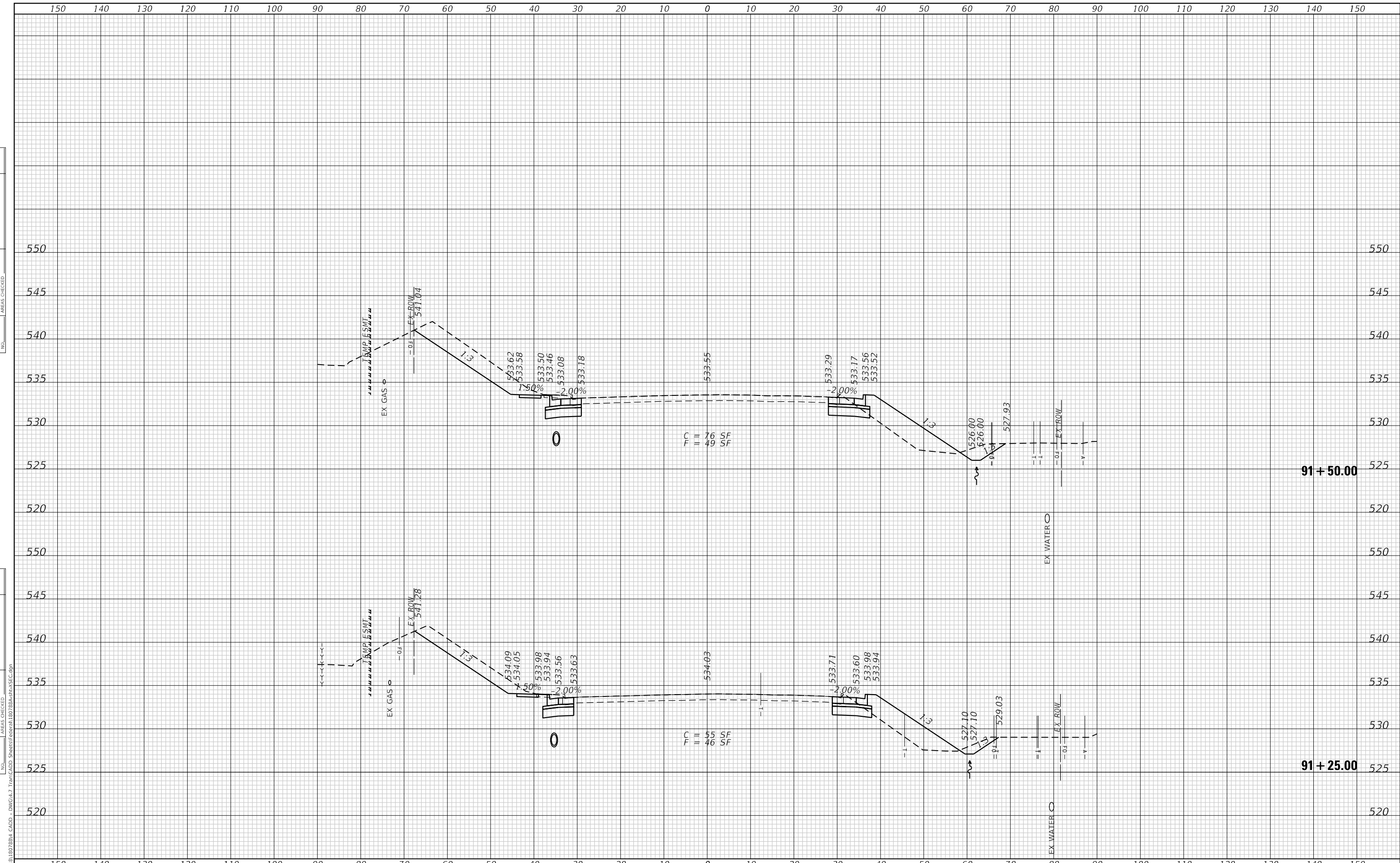
CROSS SECTIONS

SCALE: 1"=10' SHEET 3 OF 57 SHEETS STA. 90+75.00 TO STA. 91+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	137
				CONTRACT NO. 97872
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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LICENSE NO: 184-001220

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	DRAWN - EKF/KDD	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - JWS	REVISED -
PLOT DATE = 6/17/2025	DATE - 06/2025	REVISED -



**ST. CLAIR COUNTY DEPARTMENT
OF ROADS AND BRIDGES**

CROSS SECTIONS

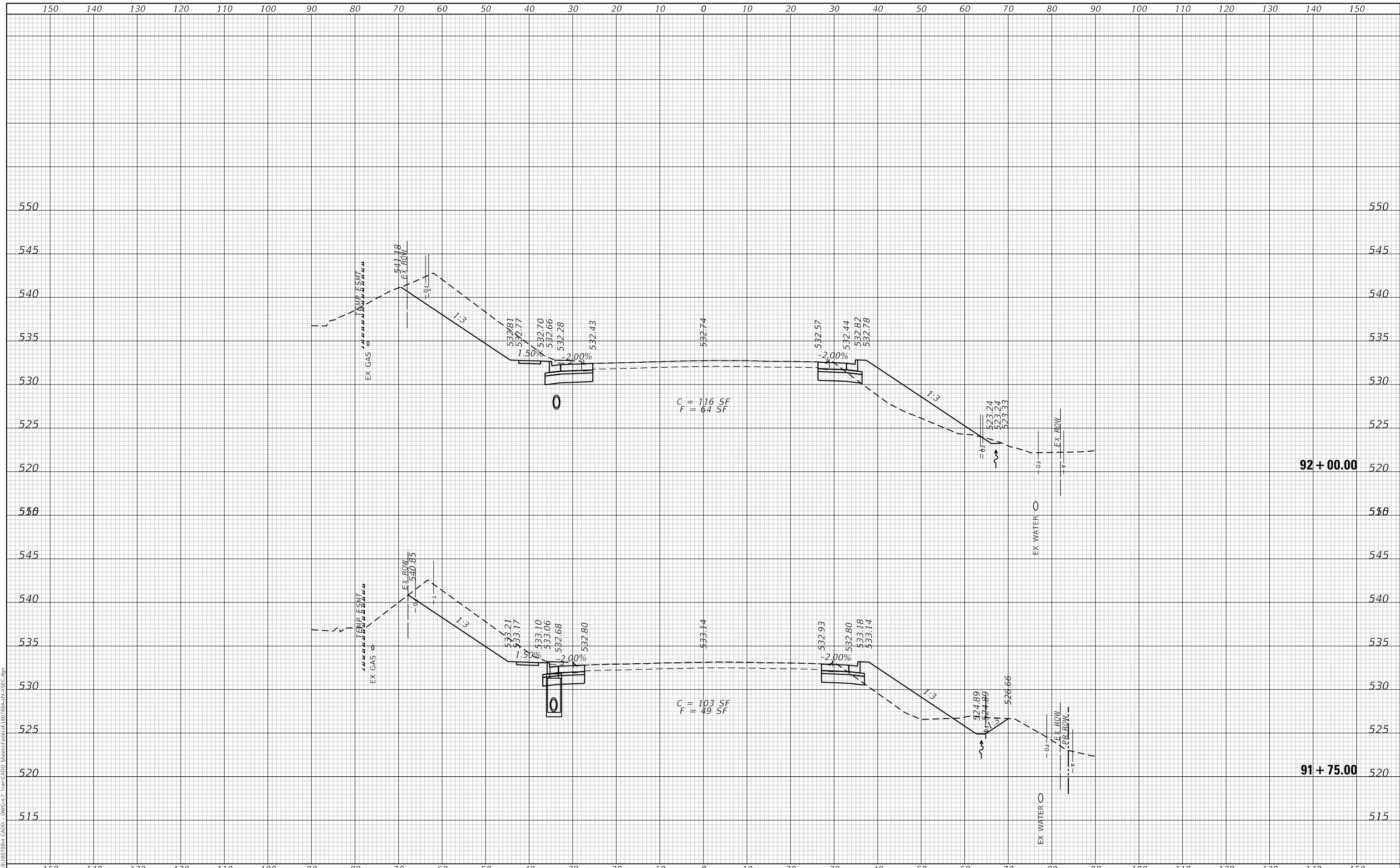
SCALE: 1"=10' SHEET 4 OF 57 SHEETS STA. 91+25.00 TO STA. 91+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	138
CONTRACT NO. 97872				
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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USER NAME = efisher	DESIGNED - EKF	REVISED -
	DRAWN - EKF/KDD	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - JWS	REVISED -
PLOT DATE = 6/17/2025	DATE - 06/2025	REVISED -



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

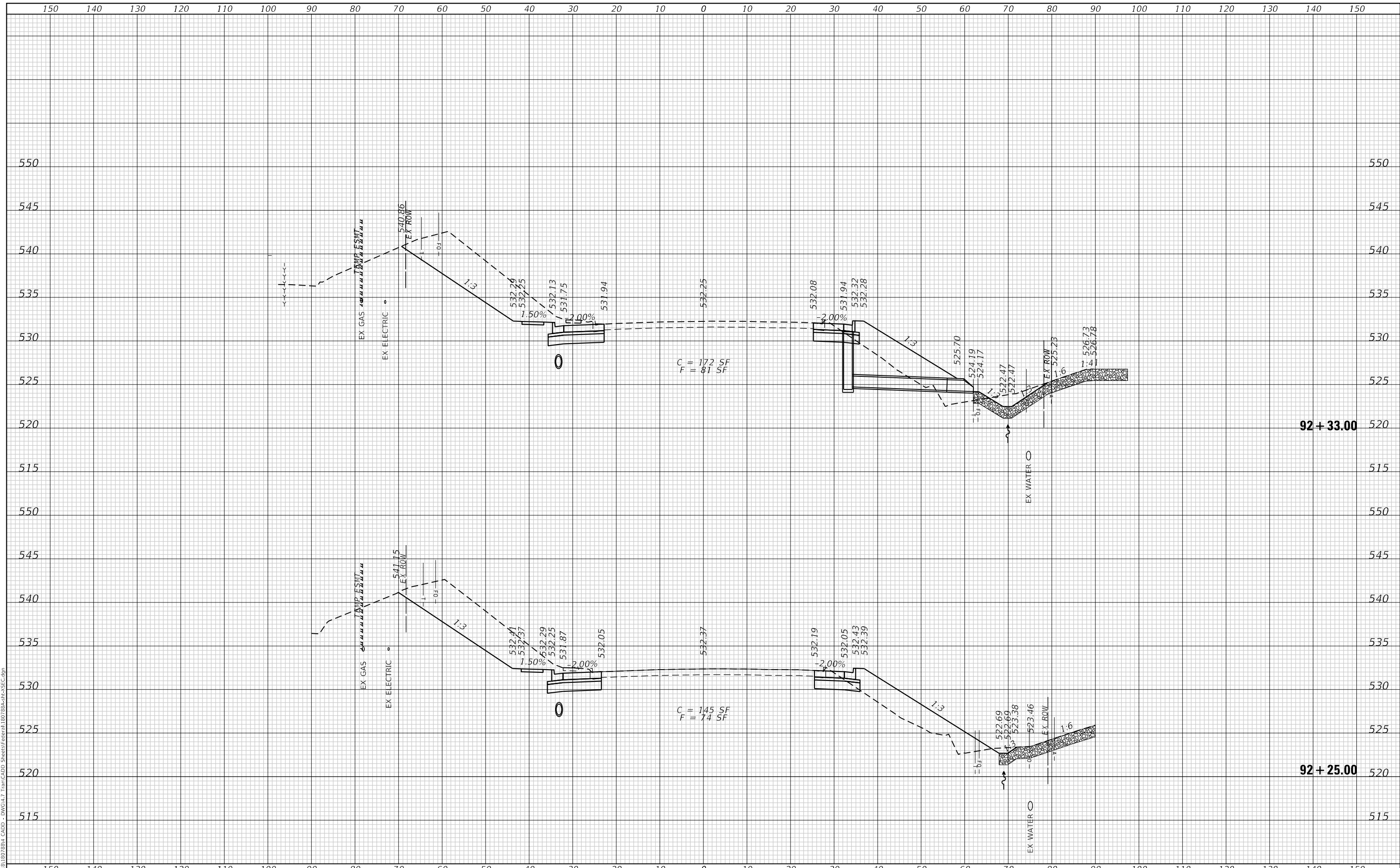
CROSS SECTIONS
 SCALE: 1"=10' SHEET 5 OF 57 SHEETS STA. 91+75.00 TO STA. 92+00.00

F.A.U. RTE. 9330	SECTION 24-00301-26-PW	COUNTY ST. CLAIR	TOTAL SHEETS 191	SHEET NO. 139
			CONTRACT NO. 97872	
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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 CADD - Streets Federal 180788.dwg



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 LICENSE NO: 184-001220

USER NAME = efisher	DESIGNED - EKF	REVISED -
	DRAWN - EKF/KDD	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JWS	REVISED -
PLOT DATE = 6/17/2025	DATE - 06/2025	REVISED -



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

CROSS SECTIONS

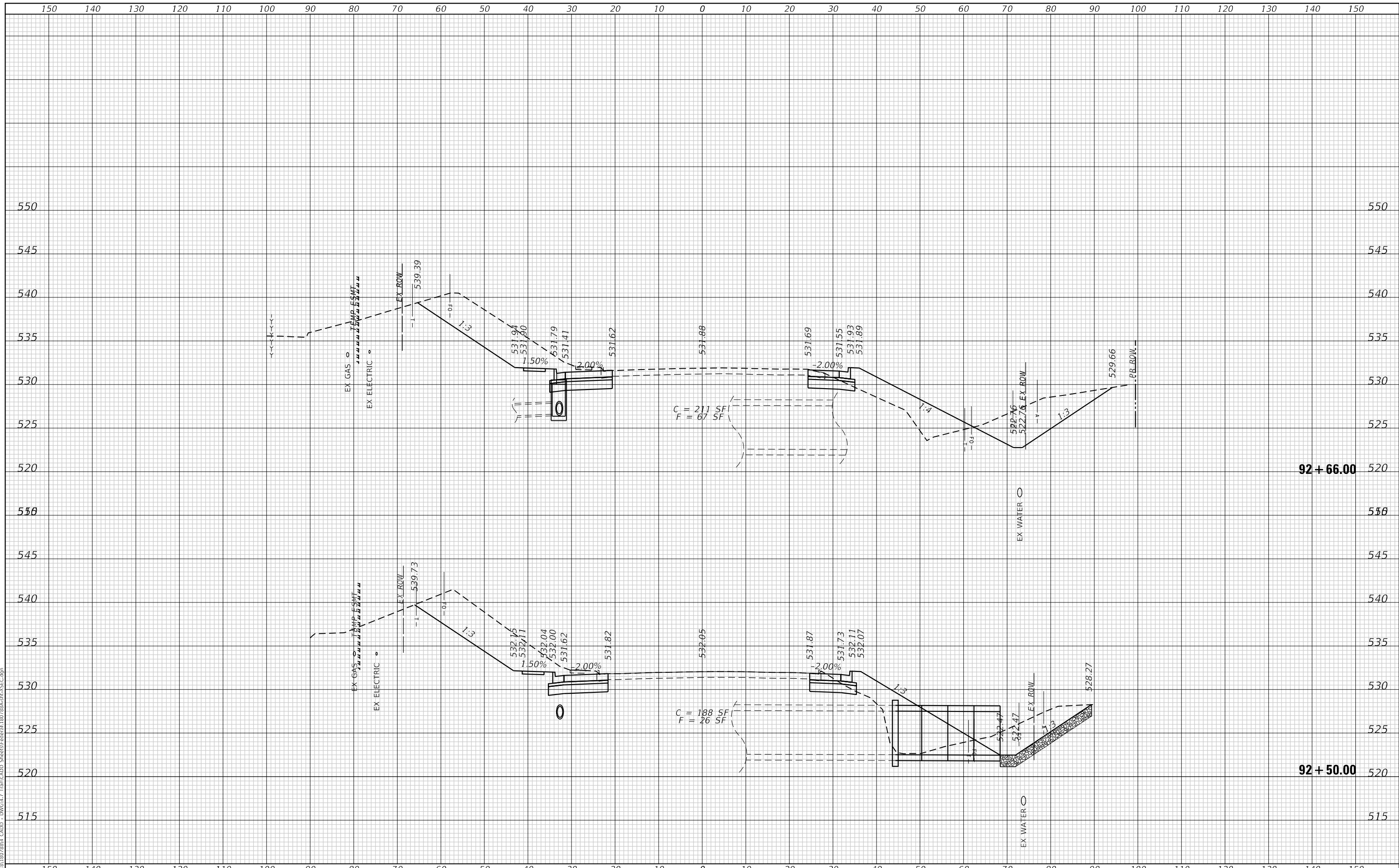
SCALE: 1"=10' SHEET 6 OF 57 SHEETS STA. 92+25.00 TO STA. 92+33.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	140
			CONTRACT NO. 97872	
			ILLINOIS FED. AID PROJECT	

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

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 LICENSE NO: 184-001220

USER NAME =	efisher	DESIGNED -	EKF	REVISED -	
		DRAWN -	EKF/KDD	REVISED -	
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PLOT DATE =	6/17/2025	DATE -	06/2025	REVISED -	



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

CROSS SECTIONS

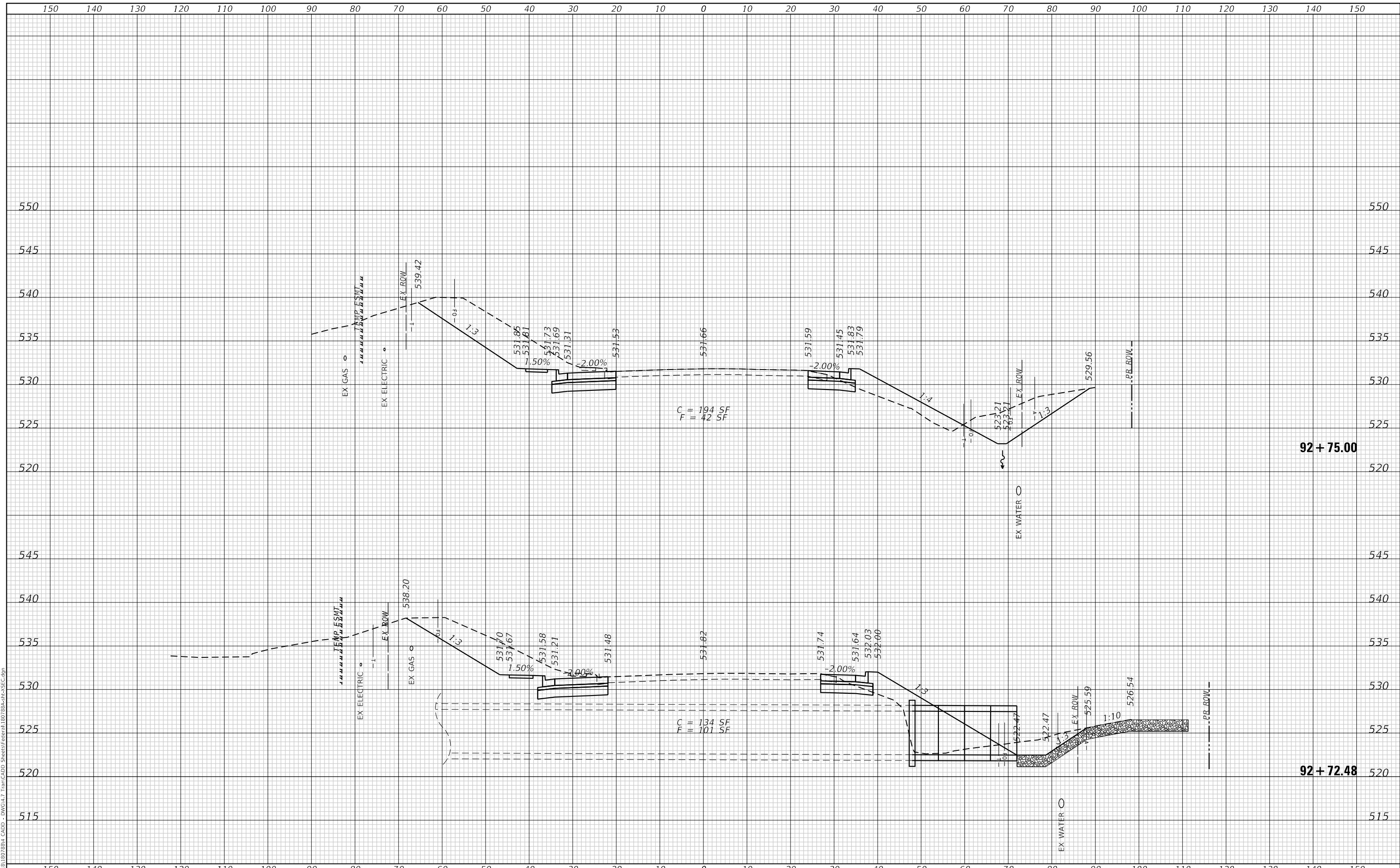
SCALE: 1"=10' SHEET 7 OF 57 SHEETS STA. 92+50.00 TO STA. 92+66.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	141
			CONTRACT NO. 97872	
			ILLINOIS FED. AID PROJECT	

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

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

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TWM, INC.
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 IL DESIGN FIRM
 LICENSE NO: 184-001220

USER NAME = efisher	DESIGNED - EKF	REVISED -
	DRAWN - EKF/KDD	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - JWS	REVISED -
PLOT DATE = 6/17/2025	DATE - 06/2025	REVISED -



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

CROSS SECTIONS

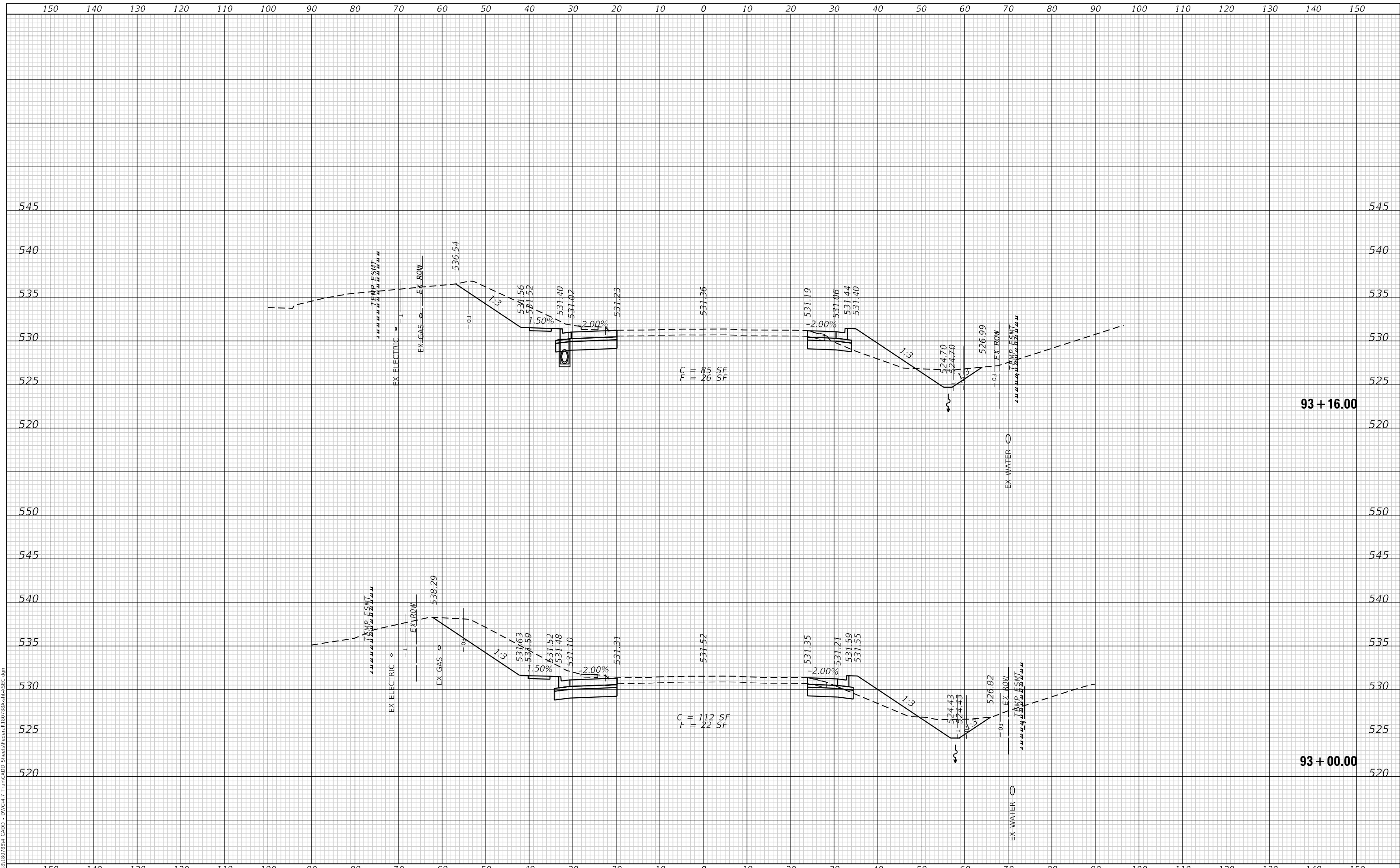
SCALE: 1"=10' SHEET 8 OF 57 SHEETS STA. 92+72.48 TO STA. 92+75.00

F.A.U. RTE. 9330	SECTION 24-00301-26-PW	COUNTY ST. CLAIR	TOTAL SHEETS 191	SHEET NO. 142
CONTRACT NO. 97872			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	

MODEL: Defnair
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 LICENSE NO: 184-001220

USER NAME = efisher	DESIGNED - EKF	REVISED -
	DRAWN - EKF/KDD	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - JWS	REVISED -
PLOT DATE = 6/17/2025	DATE - 06/2025	REVISED -



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

CROSS SECTIONS

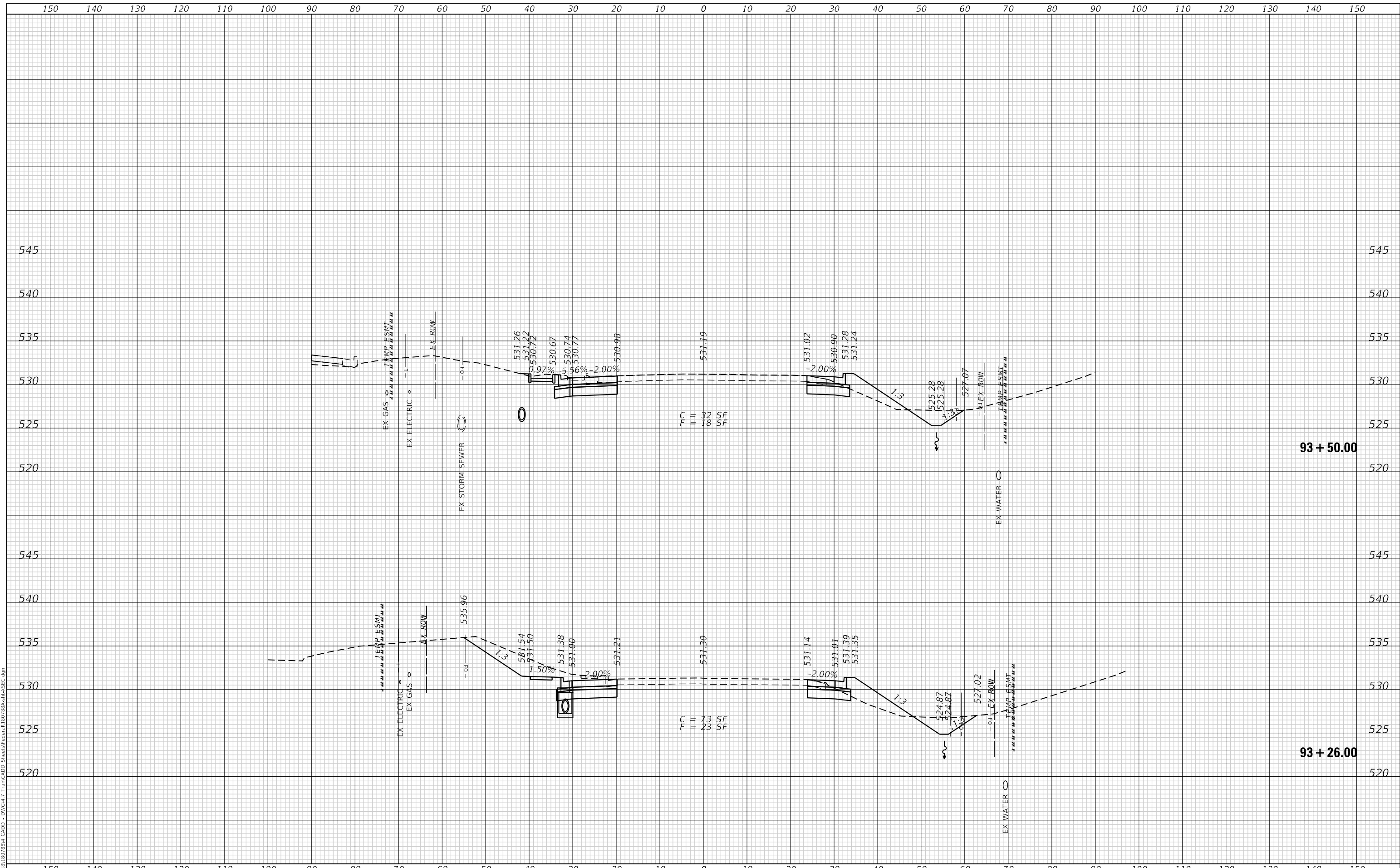
SCALE: 1"=10' SHEET 9 OF 57 SHEETS STA. 93+00.00 TO STA. 93+16.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	143
				CONTRACT NO. 97872
				ILLINOIS FED. AID PROJECT

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

MODEL: Defnair
 FILE NAME: P:\2025\184\184788u_CADD - DWG-H-7 Tran-CADD StreetsFederal184788u-SEC.dgn



TWM, INC.
 ENGINEERING GEOSPATIAL SERVICES
 IL DESIGN FIRM LICENSE NO: 184-001220
 WWW.TWM-INC.COM

USER NAME = efisher	DESIGNED - EKF	REVISED -
	DRAWN - EKF/KDD	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JWS	REVISED -
PLOT DATE = 6/17/2025	DATE - 06/2025	REVISED -



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

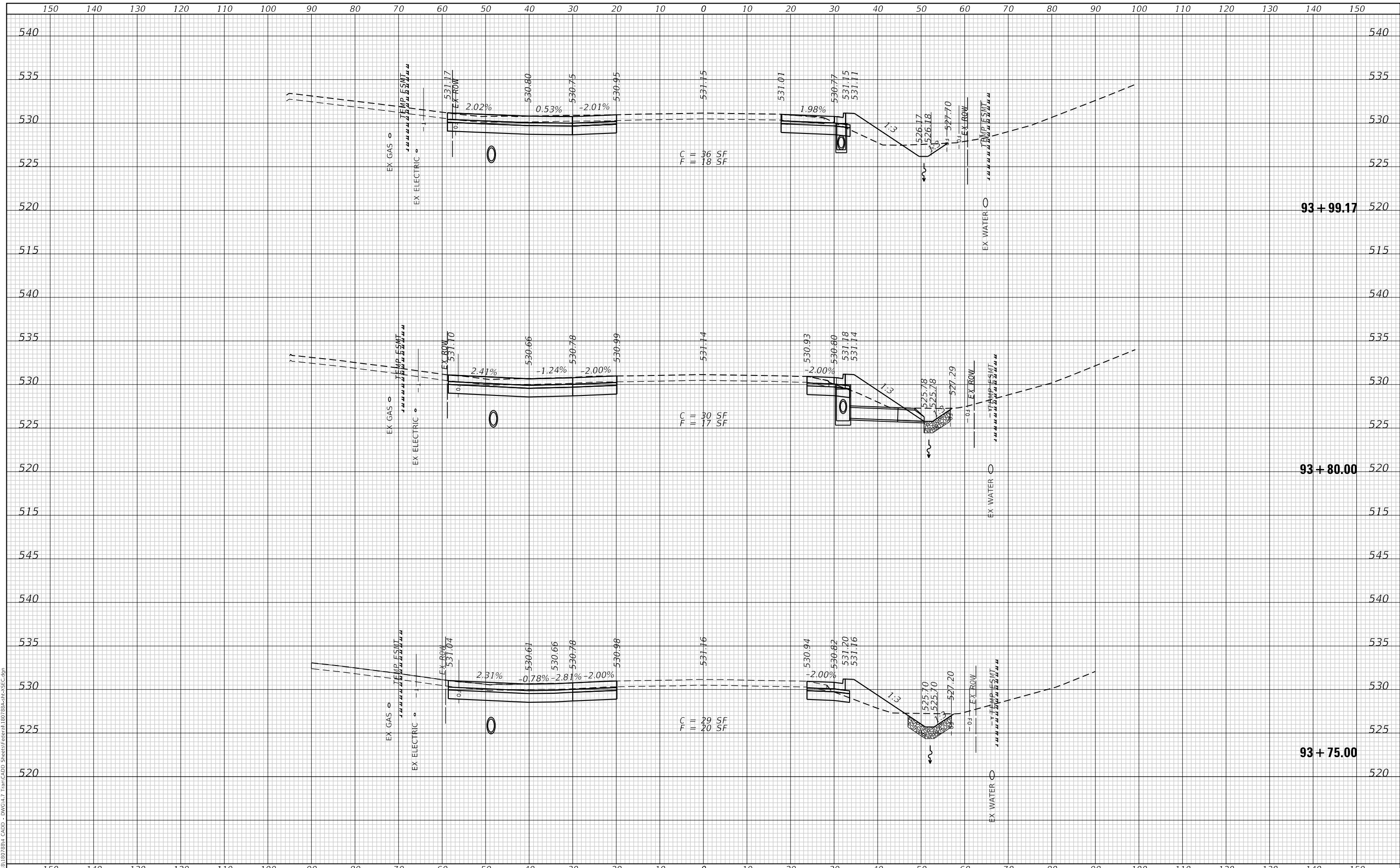
CROSS SECTIONS
 SCALE: 1"=10' SHEET 10 OF 57 SHEETS STA. 93+26.00 TO STA. 93+50.00

F.A.U. RTE. 9330	SECTION 24-00301-26-PW	COUNTY ST. CLAIR	TOTAL SHEETS 191	SHEET NO. 144
			CONTRACT NO. 97872	
ILLINOIS FED. AID PROJECT				

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

DATE	
BY	
SURVEYED	
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NOTE BOOK NO.	
AREAS CHECKED	

MODEL: Defnair
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TWM
 ENGINEERING
 GEOSPATIAL SERVICES

TWM, INC.
 www.twm-inc.com
 IL DESIGN FIRM
 LICENSE NO: 184-001220

USER NAME =	efisher
DESIGNED -	EKF
DRAWN -	EKF/KDD
CHECKED -	JWS
DATE -	06/2025
REVISIONS	
REVISED -	
REVISED -	
REVISED -	
REVISED -	



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

CROSS SECTIONS

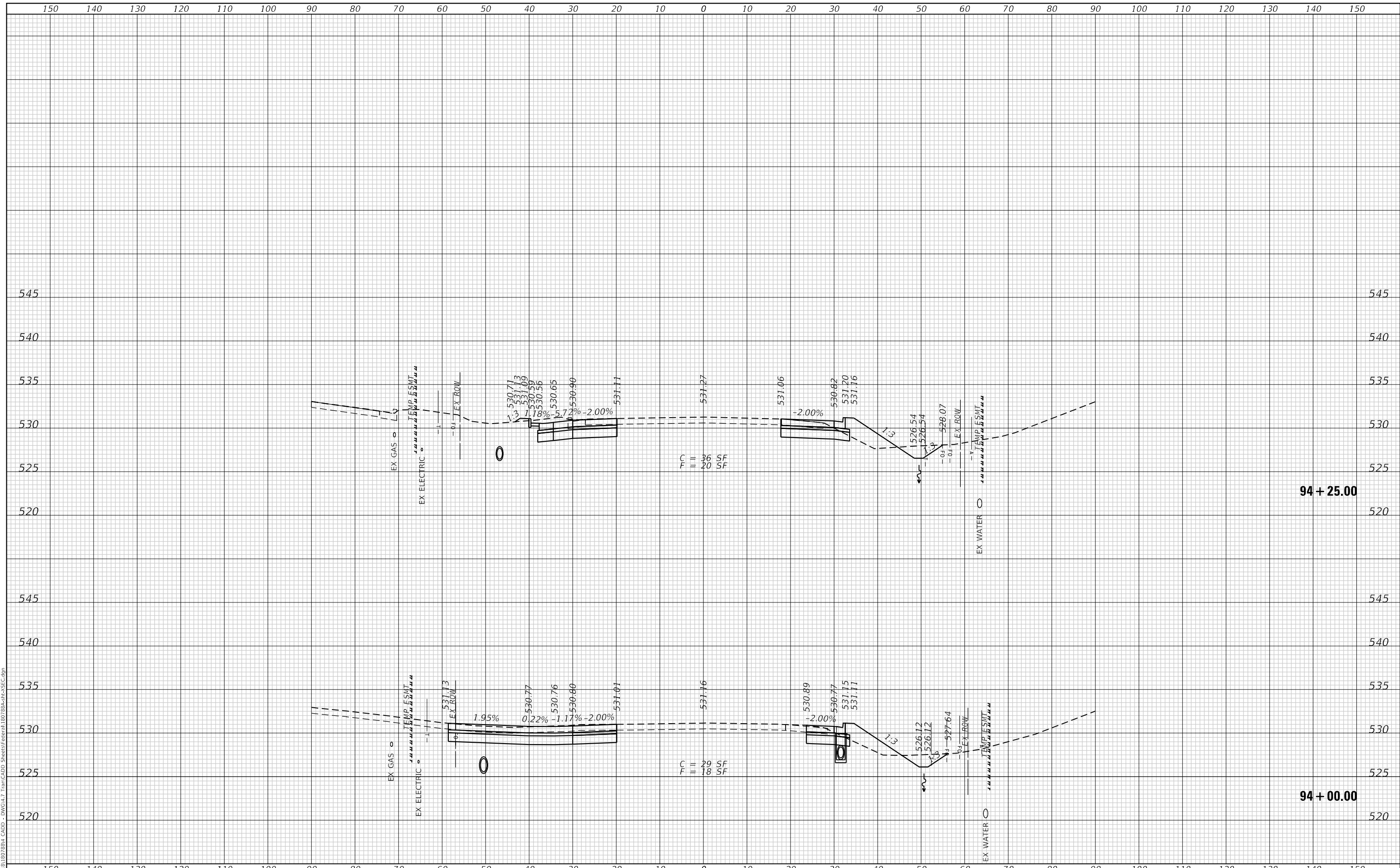
SCALE: 1"=10' SHEET 11 OF 57 SHEETS STA. 93+75.00 TO STA. 93+99.17

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	145
			CONTRACT NO. 97872	
			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

MODEL: Defnair
 FILE NAME: P:\2025\18180788u_CADD - DWG-H-7 Tran-CADD Streets\Federal\801804-PR-CSEC.dgn



TWM, INC.
 ENGINEERING GEOSPATIAL SERVICES
 WWW.TWM-INC.COM
 IL DESIGN FIRM LICENSE NO: 184-001220

USER NAME = efisher	DESIGNED - EKF	REVISED -
	DRAWN - EKF/KDD	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JWS	REVISED -
PLOT DATE = 6/17/2025	DATE - 06/2025	REVISED -



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

SCALE: 1"=10' SHEET 12 OF 57 SHEETS STA. 94+00.00 TO STA. 94+25.00

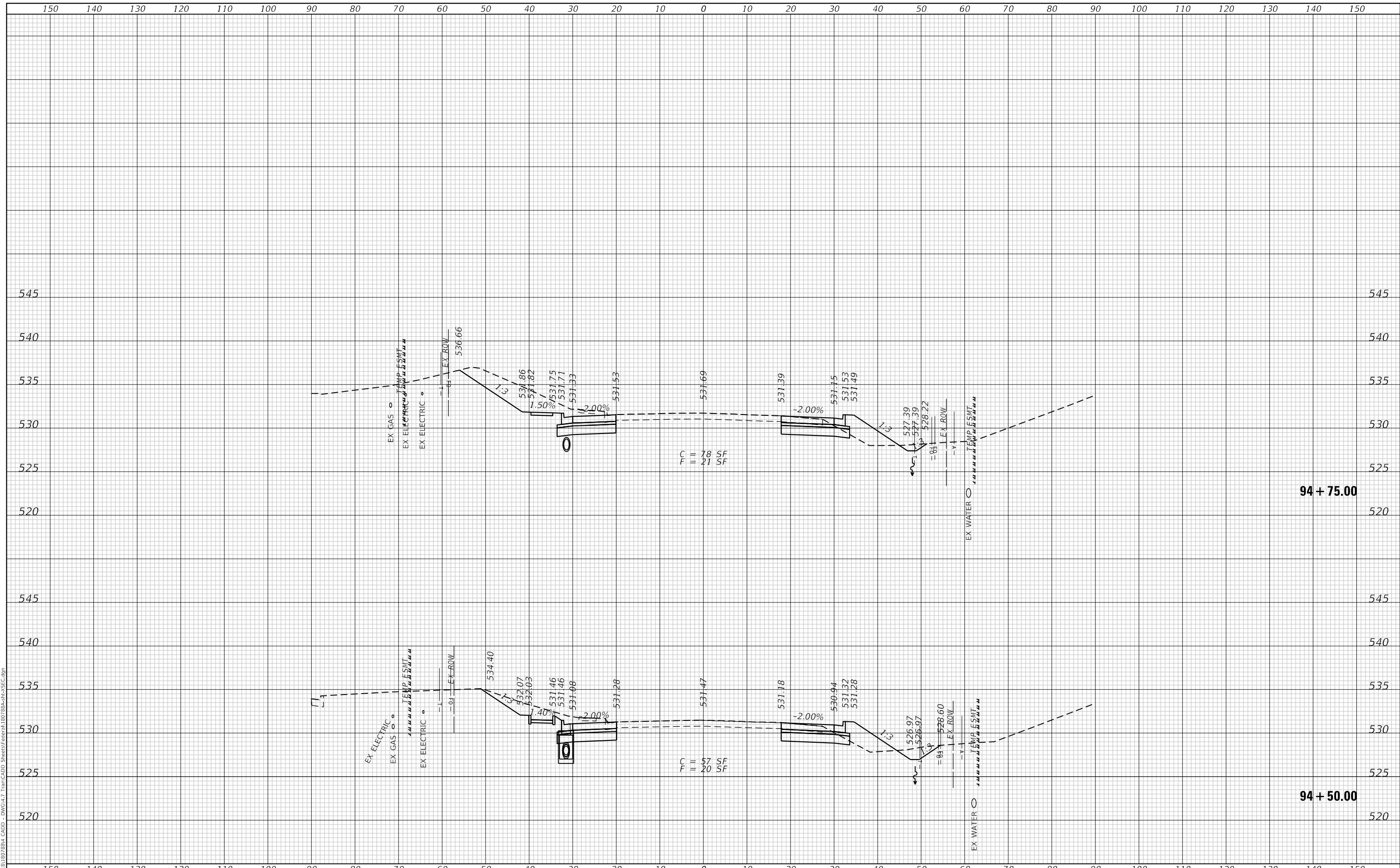
CROSS SECTIONS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	146
			CONTRACT NO. 97872	
			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

MODEL: Defnair
 FILE NAME: P:\2025\18180788u_CADD - DWG-H-7 Tran-CADD Streets\Federal\80788u-HR-CSEC.dgn



TWM
 ENGINEERING
 GEOSPATIAL SERVICES

TWM, INC.
 www.twm-inc.com
 IL DESIGN FIRM
 LICENSE NO: 184-001220

USER NAME =	efisher	DESIGNED -	EKF	REVISED -	
		DRAWN -	EKF/KDD	REVISED -	
PLOT SCALE =	20.0000 ' / in.	CHECKED -	JWS	REVISED -	
PLOT DATE =	6/17/2025	DATE -	06/2025	REVISED -	



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

SCALE: 1"=10' SHEET 13 OF 57 SHEETS STA. 94+50.00 TO STA. 94+75.00

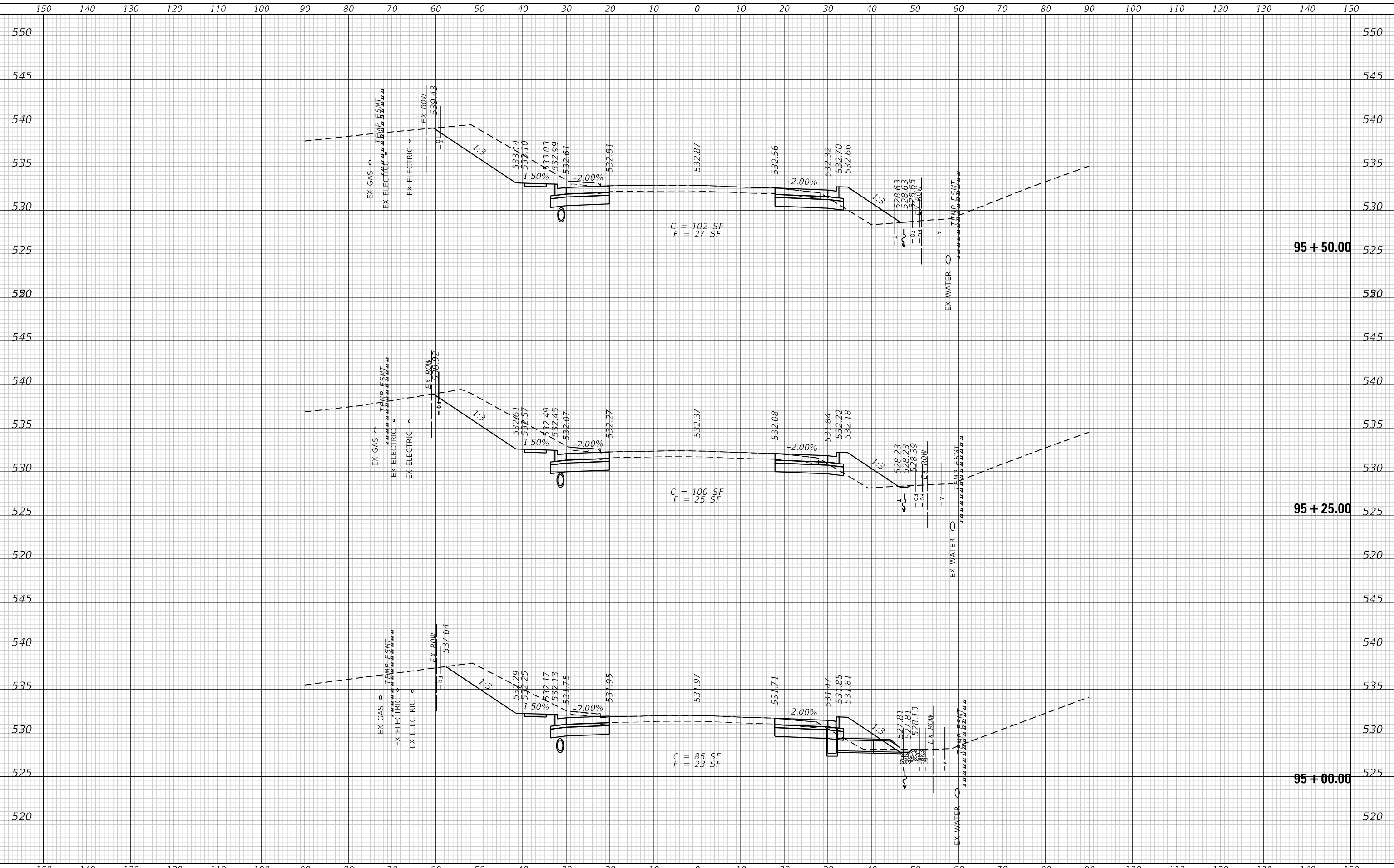
CROSS SECTIONS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	147
			CONTRACT NO. 97872	
			ILLINOIS FED. AID PROJECT	

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

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

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 FILE NAME: P:\2025\184\9330\CADD - DWG-H-7 Tran\CADD_Sheet\Federal\BDT884-RH-CSEC.dgn



TWM
 ENGINEERING
 GEOSPATIAL SERVICES

TWM, INC.
 www.twm-inc.com
 ILLINOIS DESIGN FIRM
 LICENSE NO: 184-001220

USER NAME	= efisher
DESIGNED	- EKF
DRAWN	- EKF/KDD
CHECKED	- JWS
DATE	- 06/2025
PLOT SCALE	= 20.0000 ' / in.
PLOT DATE	= 6/17/2025

REVISED	-
REVISED	-
REVISED	-
REVISED	-



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

CROSS SECTIONS

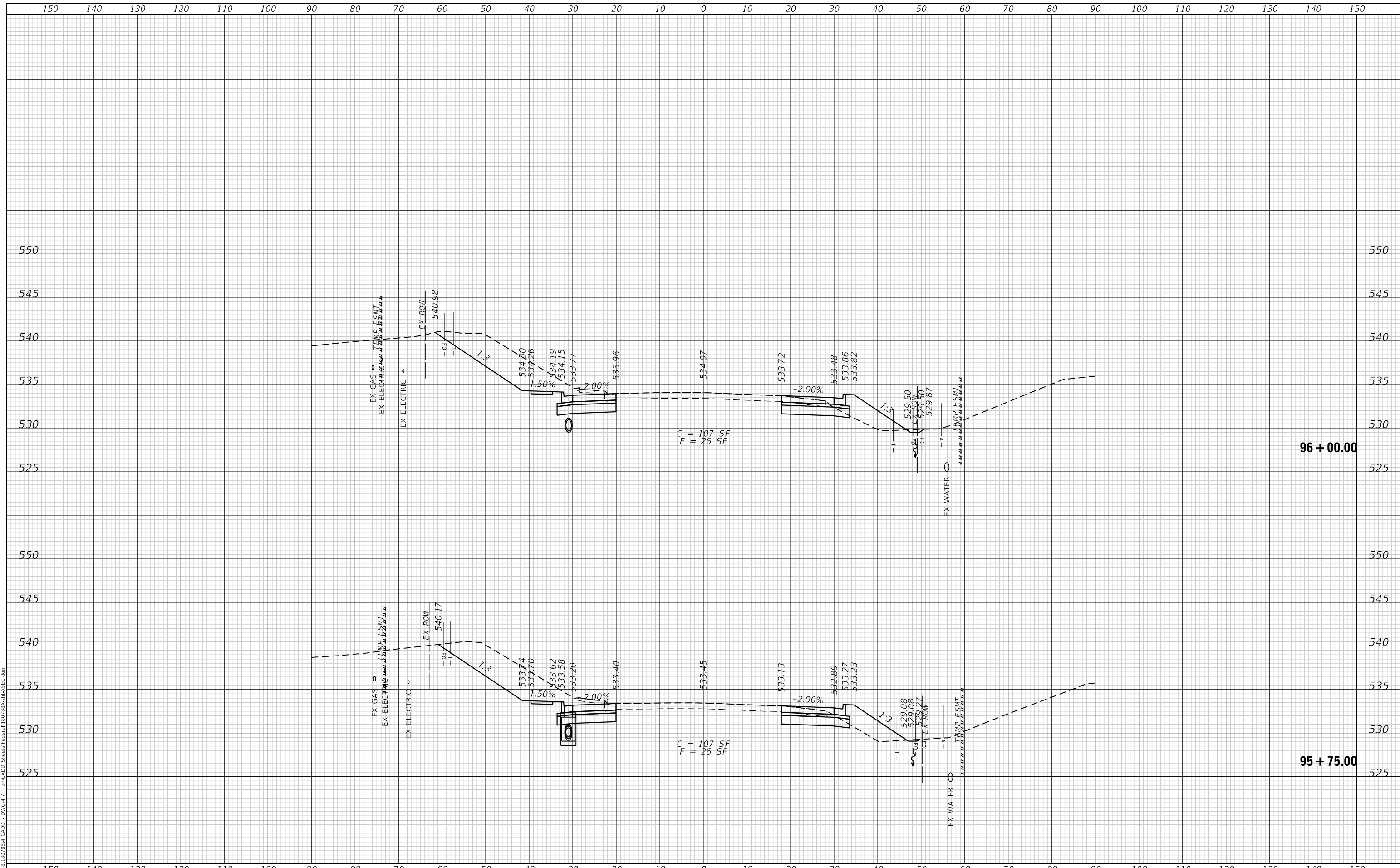
SCALE: 1"=10' SHEET 14 OF 57 SHEETS STA. 95+00.00 TO STA. 95+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	148
			CONTRACT NO. 97872	
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Defnair
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TWM
 ENGINEERING
 GEOSPATIAL SERVICES

TWM, INC.
 www.twm-inc.com
 IL DESIGN FIRM
 LICENSE NO:
 184-001220

USER NAME = efisher	DESIGNED - EKF	REVISED -
	DRAWN - EKF/KDD	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - JWS	REVISED -
PLOT DATE = 6/17/2025	DATE - 06/2025	REVISED -



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

CROSS SECTIONS

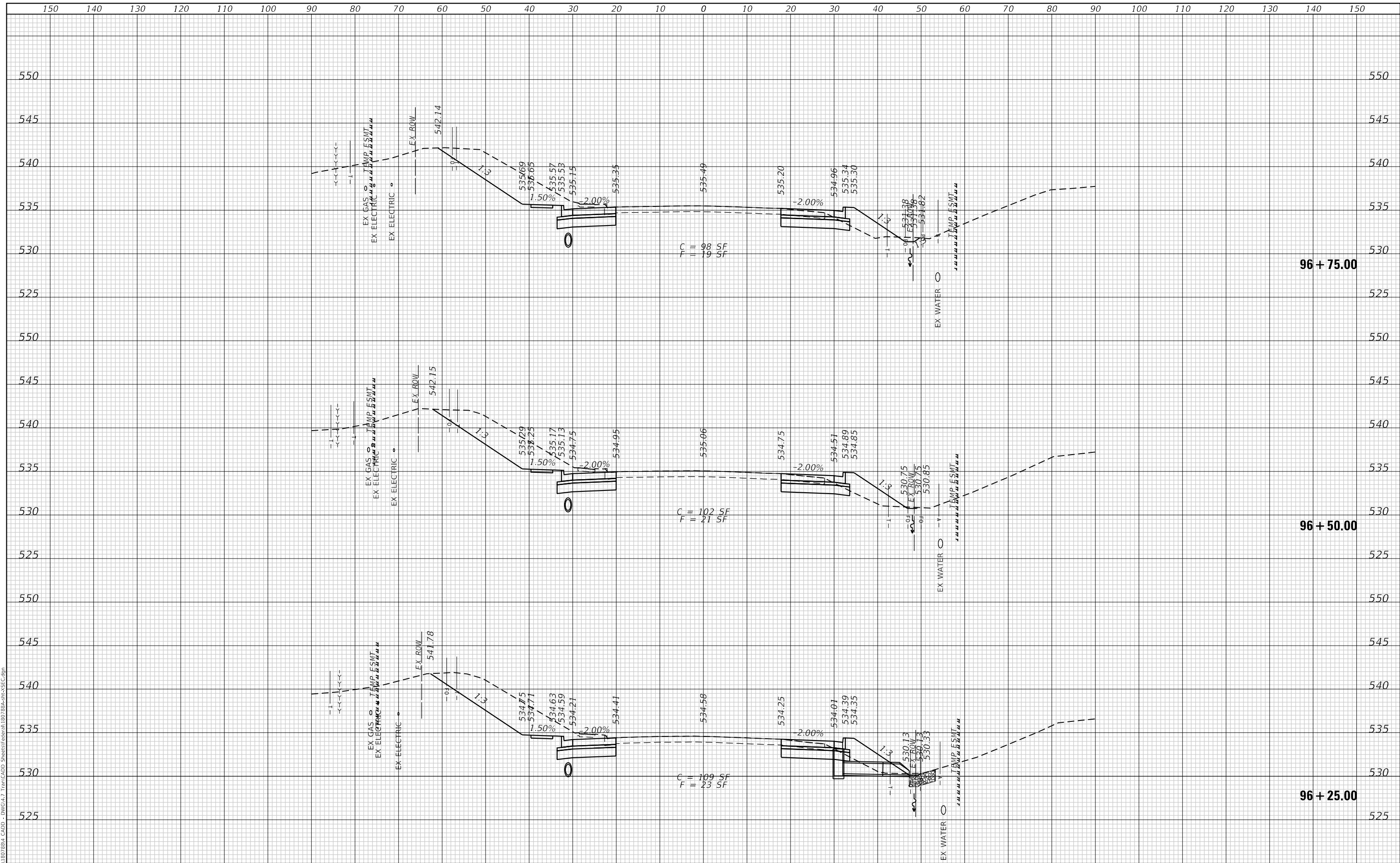
SCALE: 1"=10' SHEET 15 OF 57 SHEETS STA. 95+75.00 TO STA. 96+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	149
				CONTRACT NO. 97872
		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: Defnair
 FILE NAME: P:\2025\184\184788u CAD - DWG-1.7 Tran-CADD Streets\Federal\184788u-SEC.dgn



TWM ENGINEERING GEOSPATIAL SERVICES
 TWM, INC. www.twm-inc.com
 ILL. DESIGN FIRM LICENSE NO: 184-001220

USER NAME	= efisher
DESIGNED	- EKF
DRAWN	- EKF/KDD
CHECKED	- JWS
DATE	- 06/2025
REVISIONS	
REVISED	-
REVISED	-
REVISED	-
REVISED	-



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

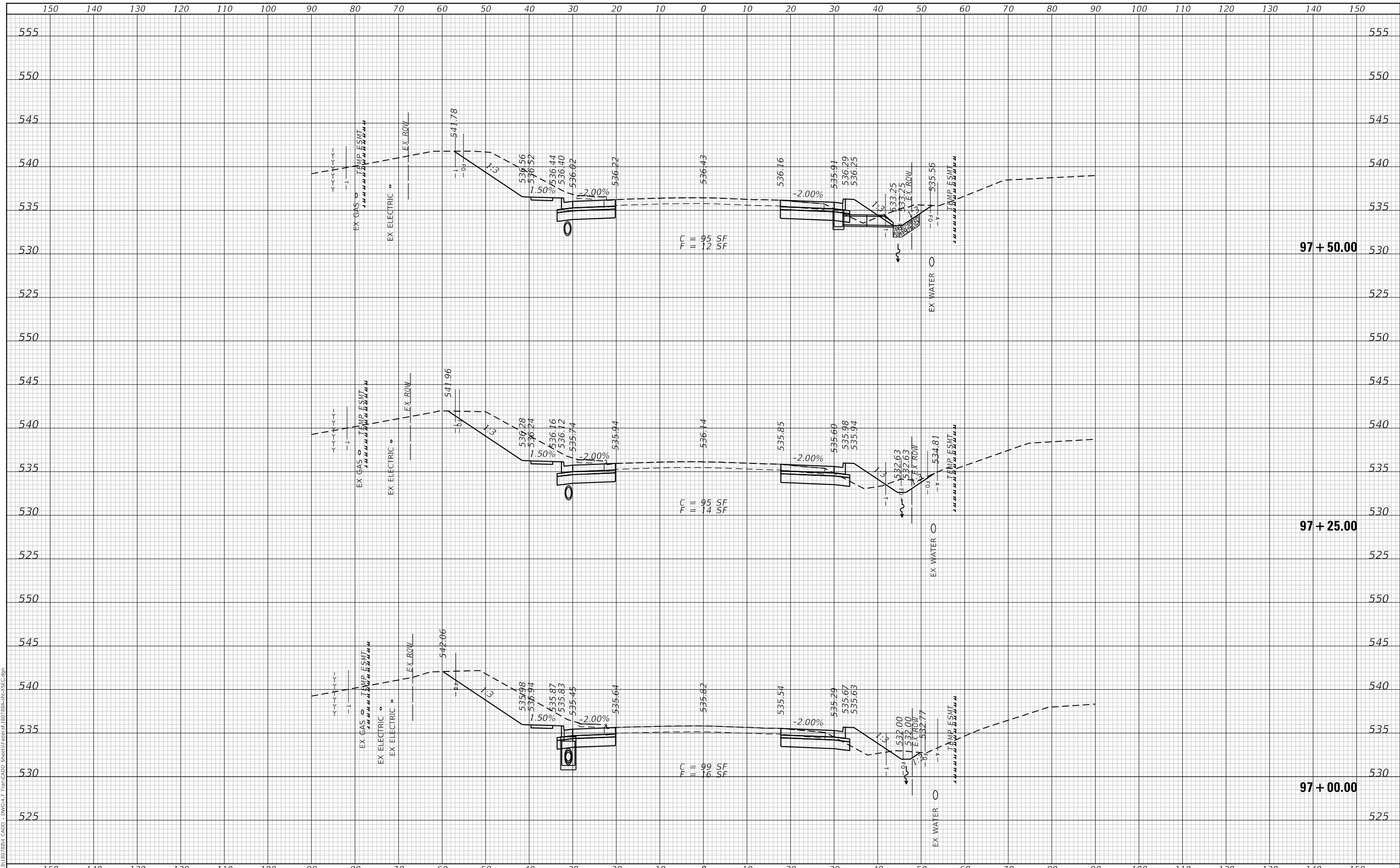
CROSS SECTIONS
 SCALE: 1"=10'
 SHEET 16 OF 57 SHEETS
 STA. 96+25.00 TO STA. 96+75.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	150
			CONTRACT NO. 97872	
		ILLINOIS	FED. AID PROJECT	

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

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

MODEL: Defnair
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TWM
 ENGINEERING
 GEOSPATIAL SERVICES

TWM, INC.
 WWW.TWM-INC.COM
 IL DESIGN FIRM
 LICENSE NO: 184-001220

USER NAME = efisher	DESIGNED - EKF	REVISED -
	DRAWN - EKF/KDD	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JWS	REVISED -
PLOT DATE = 6/17/2025	DATE - 06/2025	REVISED -



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

CROSS SECTIONS

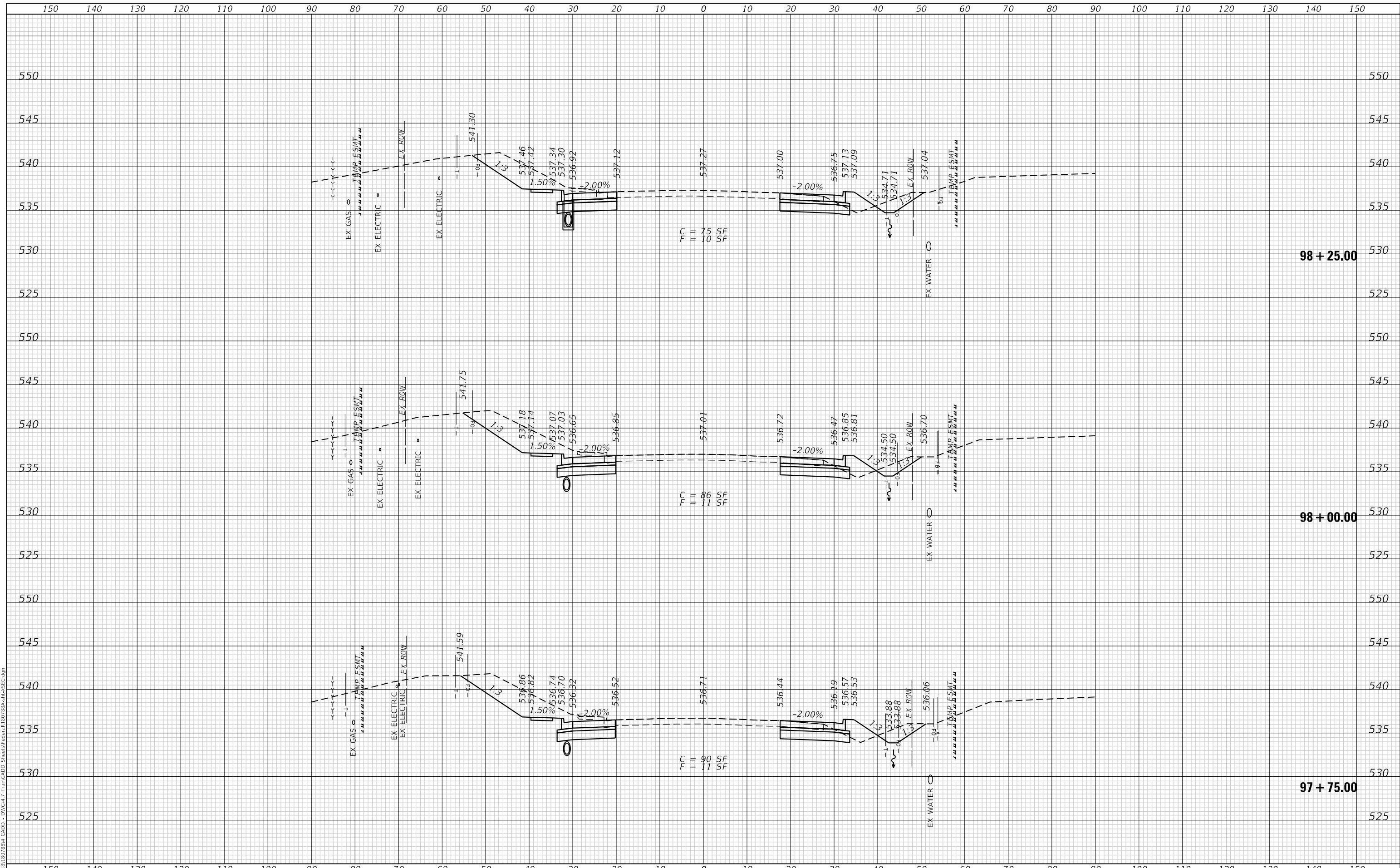
SCALE: 1"=10' SHEET 17 OF 57 SHEETS STA. 97+00.00 TO STA. 97+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	151
			CONTRACT NO. 97872	
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Defnair
 FILE NAME: P:\2025\18180788u_CADD - DWG-H-7 Tran-CADD Streets\Federal\80788u-HR-CSEC.dgn



TWM
 ENGINEERING
 GEOSPATIAL SERVICES

TWM, INC.
 WWW.TWM-INC.COM
 IL DESIGN FIRM
 LICENSE NO: 184-001220

USER NAME	= efisher	DESIGNED	- EKF	REVISED	-
		DRAWN	- EKF/KDD	REVISED	-
PLOT SCALE	= 20.0000 ' / in.	CHECKED	- JWS	REVISED	-
PLOT DATE	= 6/17/2025	DATE	- 06/2025	REVISED	-



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

CROSS SECTIONS

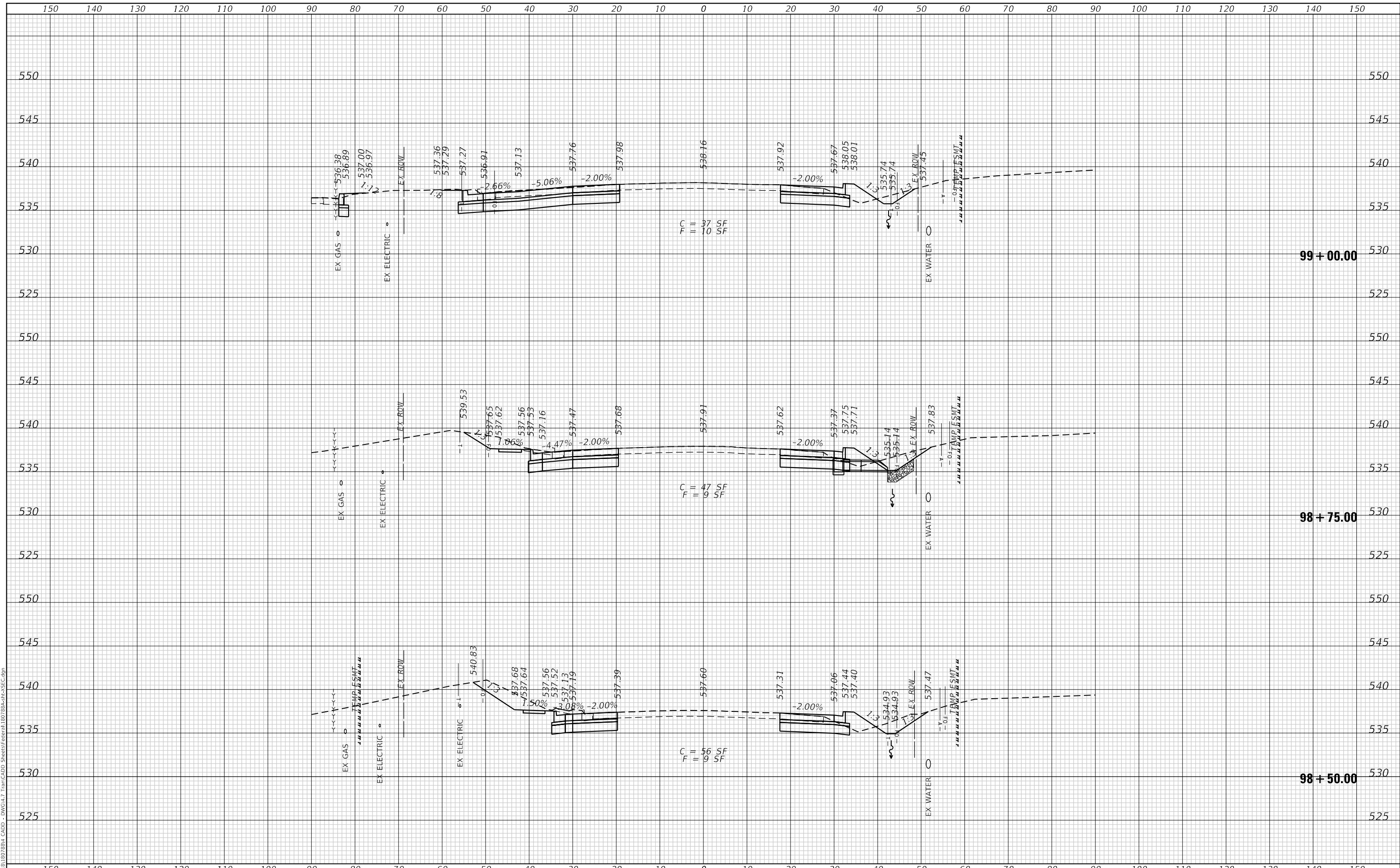
SCALE: 1"=10' SHEET 18 OF 57 SHEETS STA. 97+75.00 TO STA. 98+25.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	152
			CONTRACT NO. 97872	
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Defnair
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TWM, INC.
 ENGINEERING GEOSPATIAL SERVICES
 IL DESIGN FIRM LICENSE NO: 184-001220

USER NAME	= efisher	DESIGNED	- EKF	REVISED	-
		DRAWN	- EKF/KDD	REVISED	-
PLOT SCALE	= 20.0000 ' / in.	CHECKED	- JWS	REVISED	-
PLOT DATE	= 6/17/2025	DATE	- 06/2025	REVISED	-



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

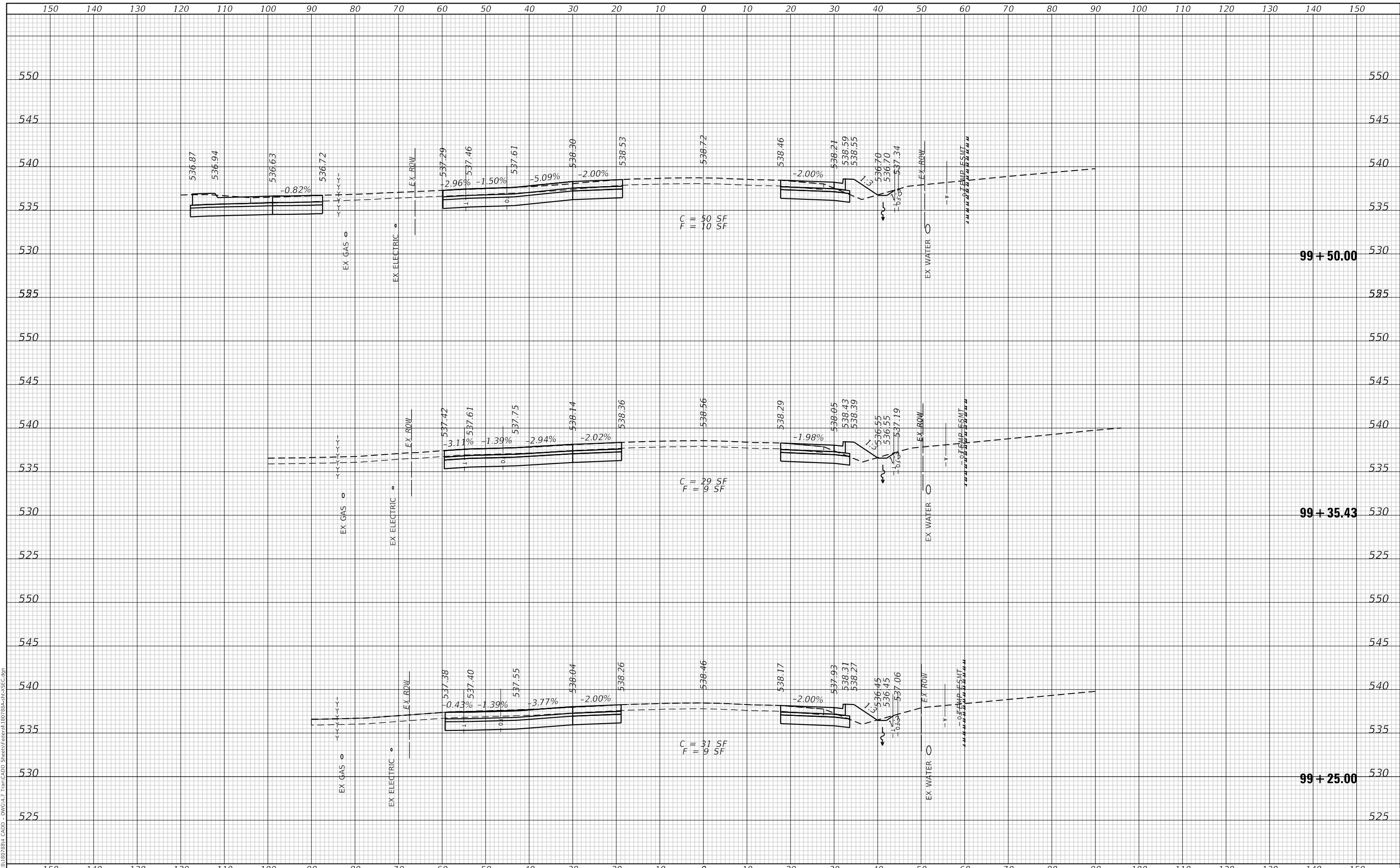
CROSS SECTIONS
 SCALE: 1"=10' SHEET 19 OF 57 SHEETS STA. 98+50.00 TO STA. 99+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	153
CONTRACT NO. 97872				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Defnair
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TWM
 ENGINEERING
 GEOSPATIAL SERVICES

TWM, INC.
 www.twm-inc.com
 IL DESIGN FIRM
 LICENSE NO: 184-001220

USER NAME =	efisher
DESIGNED -	EKF
DRAWN -	EKF/KDD
CHECKED -	JWS
DATE -	06/2025
PLOT SCALE =	20.0000' / in.
PLOT DATE =	6/17/2025

REVISED -	
REVISED -	
REVISED -	
REVISED -	



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

CROSS SECTIONS

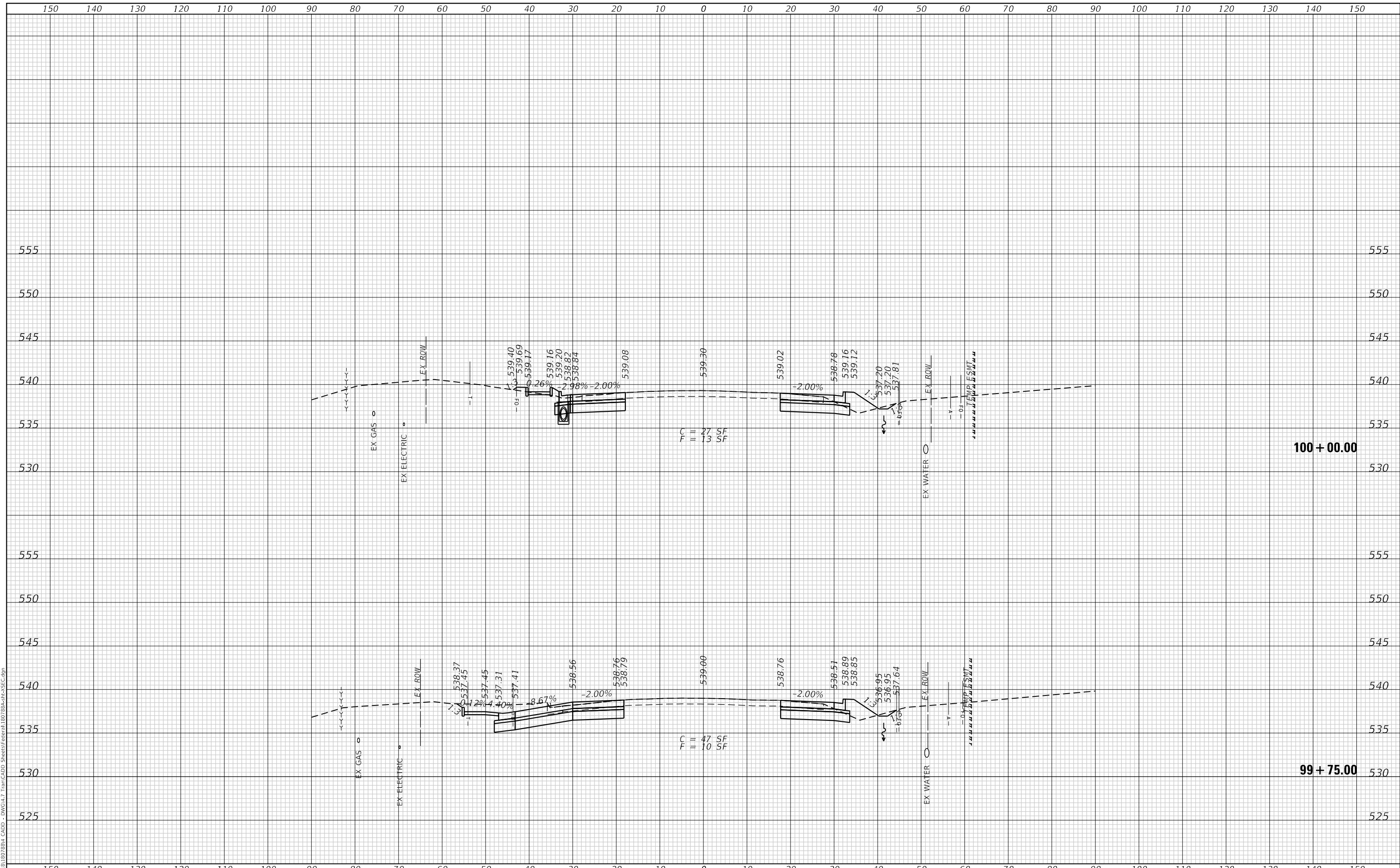
SCALE: 1"=10' SHEET 20 OF 57 SHEETS STA. 99+25.00 TO STA. 99+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	154
			CONTRACT NO. 97872	
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Defnair
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TWM, INC.
 www.twm-inc.com
 IL DESIGN FIRM
 LICENSE NO: 184-001220
 ENGINEERING
 GEOSPATIAL SERVICES

USER NAME = efisher	DESIGNED - EKF	REVISED -
	DRAWN - EKF/KDD	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JWS	REVISED -
PLOT DATE = 6/17/2025	DATE - 06/2025	REVISED -



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

CROSS SECTIONS

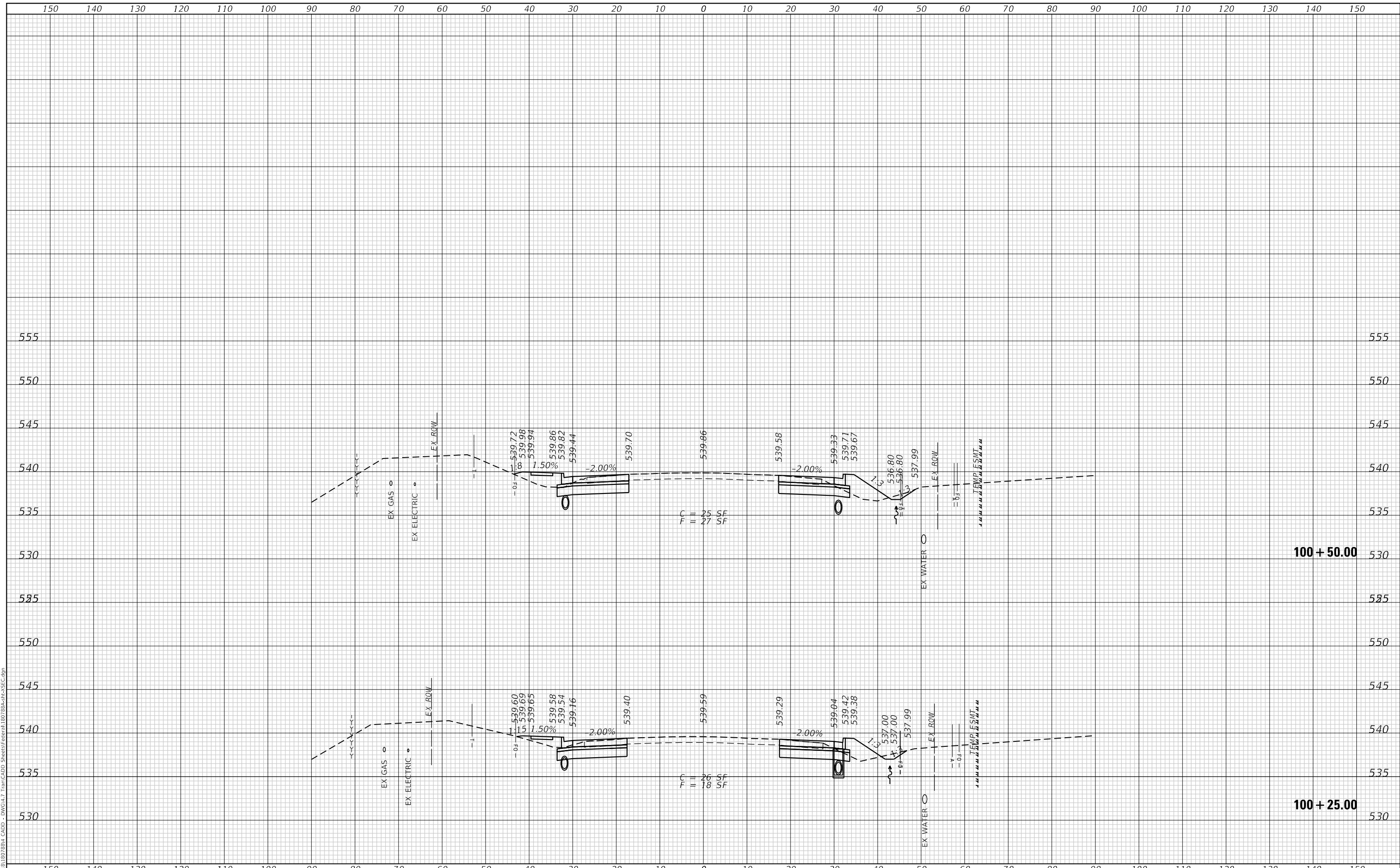
SCALE: 1"=10' SHEET 21 OF 57 SHEETS STA. 99+75.00 TO STA. 100+00.00

F.A.U. RTE. 9330	SECTION 24-00301-26-PW	COUNTY ST. CLAIR	TOTAL SHEETS 191	SHEET NO. 155
CONTRACT NO. 97872			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	

MODEL: Defnair
 FILE NAME: P:\2025\180788\ CADD - DWG-1.7 Tran-CADD Streets\Federal\80788\PC-SEC.dgn



TWM
 ENGINEERING
 GEOSPATIAL SERVICES

TWM, INC.
 www.twm-inc.com
 IL DESIGN FIRM
 LICENSE NO: 184-001220

USER NAME = efisher	DESIGNED - EKF	REVISED -
	DRAWN - EKF/KDD	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JWS	REVISED -
PLOT DATE = 6/17/2025	DATE - 06/2025	REVISED -



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

CROSS SECTIONS

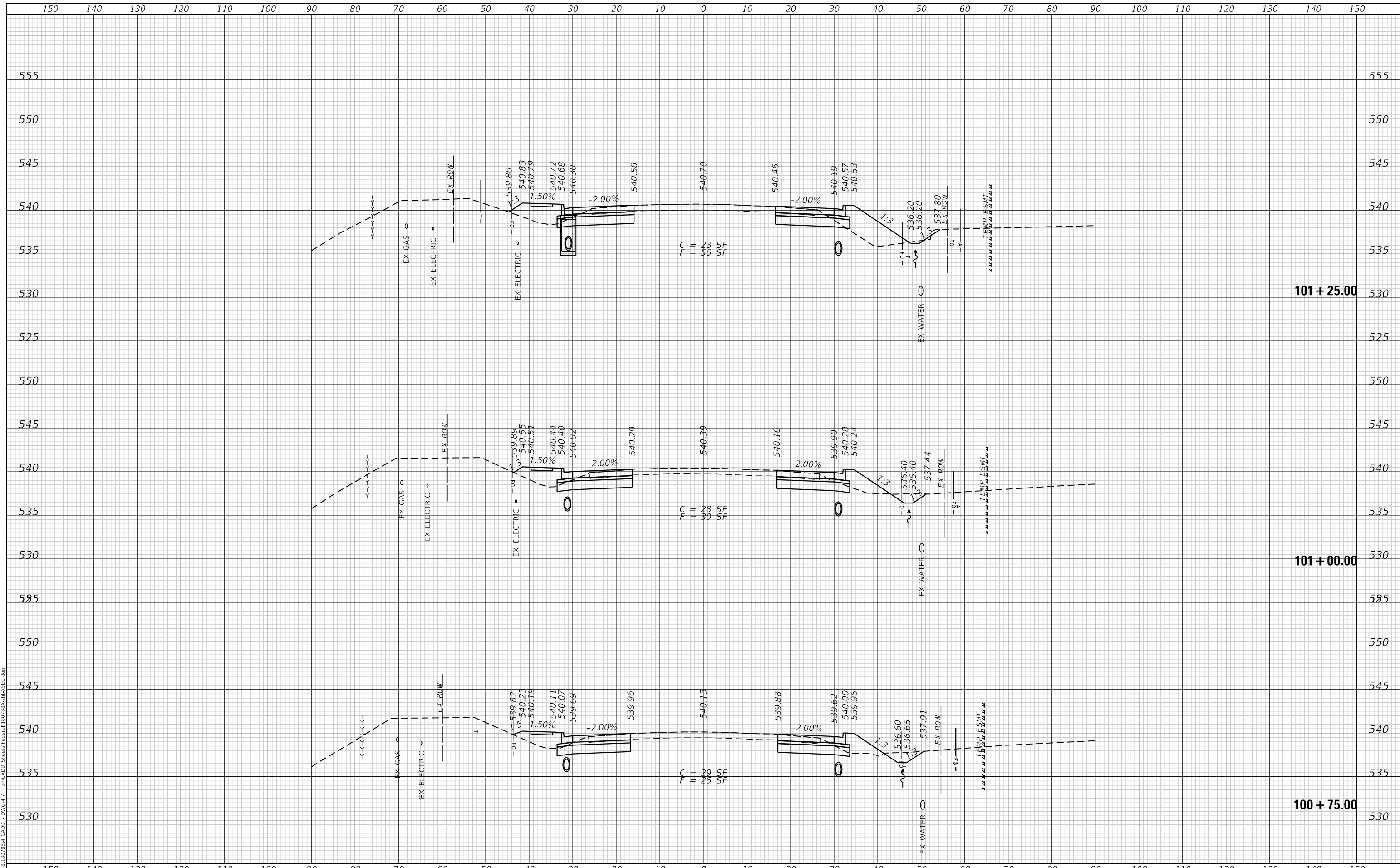
SCALE: 1"=10' SHEET 22 OF 57 SHEETS STA. 100+25.00 TO STA. 100+50.00

F.A.U. RTE. 9330	SECTION 24-00301-26-PW	COUNTY ST. CLAIR	TOTAL SHEETS 191	SHEET NO. 156
			CONTRACT NO. 97872	
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: Defnair
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TWM, INC.
 ENGINEERING GEOSPATIAL SERVICES
 WWW.TWM-INC.COM
 IL DESIGN FIRM LICENSE NO: 184-001220

USER NAME	= efisher
DESIGNED	- EKF
DRAWN	- EKF/KDD
CHECKED	- JWS
DATE	- 06/2025
REVISIONS	
REVISED	-
REVISED	-
REVISED	-
REVISED	-



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

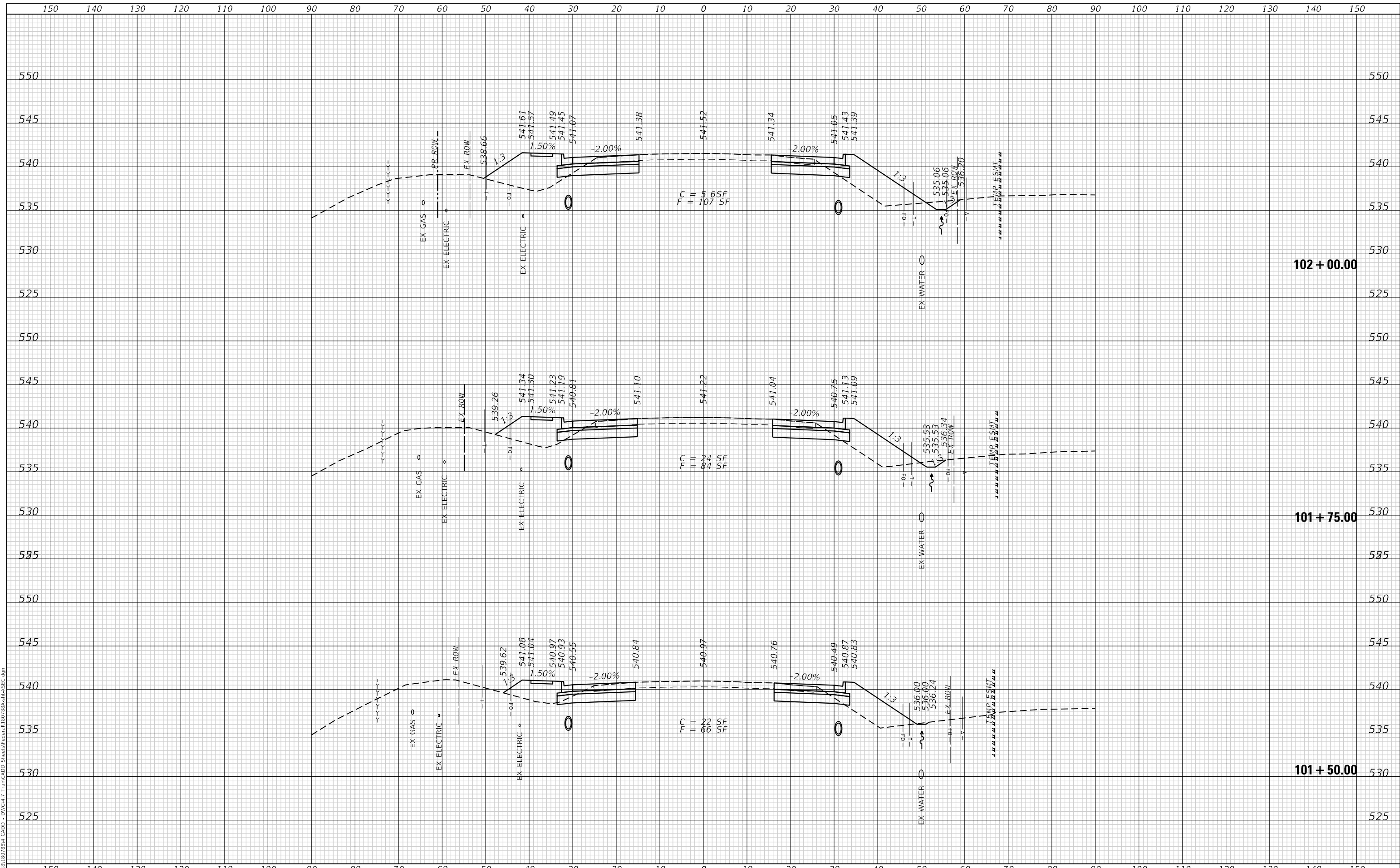
CROSS SECTIONS
 SCALE: 1"=10'
 SHEET 23 OF 57 SHEETS
 STA. 100+75.00 TO STA. 101+25.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	157
			CONTRACT NO. 97872	
			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINAL SURVEY NO.	
SURVEY PLOTTED TEMPLATE AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY NO.	
SURVEY PLOTTED TEMPLATE AREAS CHECKED	
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MODEL: Defnair
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TWM
 ENGINEERING
 GEOSPATIAL SERVICES

TWM, INC.
 www.twm-inc.com
 IL DESIGN FIRM
 LICENSE NO: 184-001220

USER NAME =	efisher
DESIGNED -	EKF
DRAWN -	EKF/KDD
CHECKED -	JWS
DATE -	06/2025
PLOT SCALE =	20.0000' / in.
PLOT DATE =	6/17/2025

REVISED -	
REVISED -	
REVISED -	
REVISED -	



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

CROSS SECTIONS

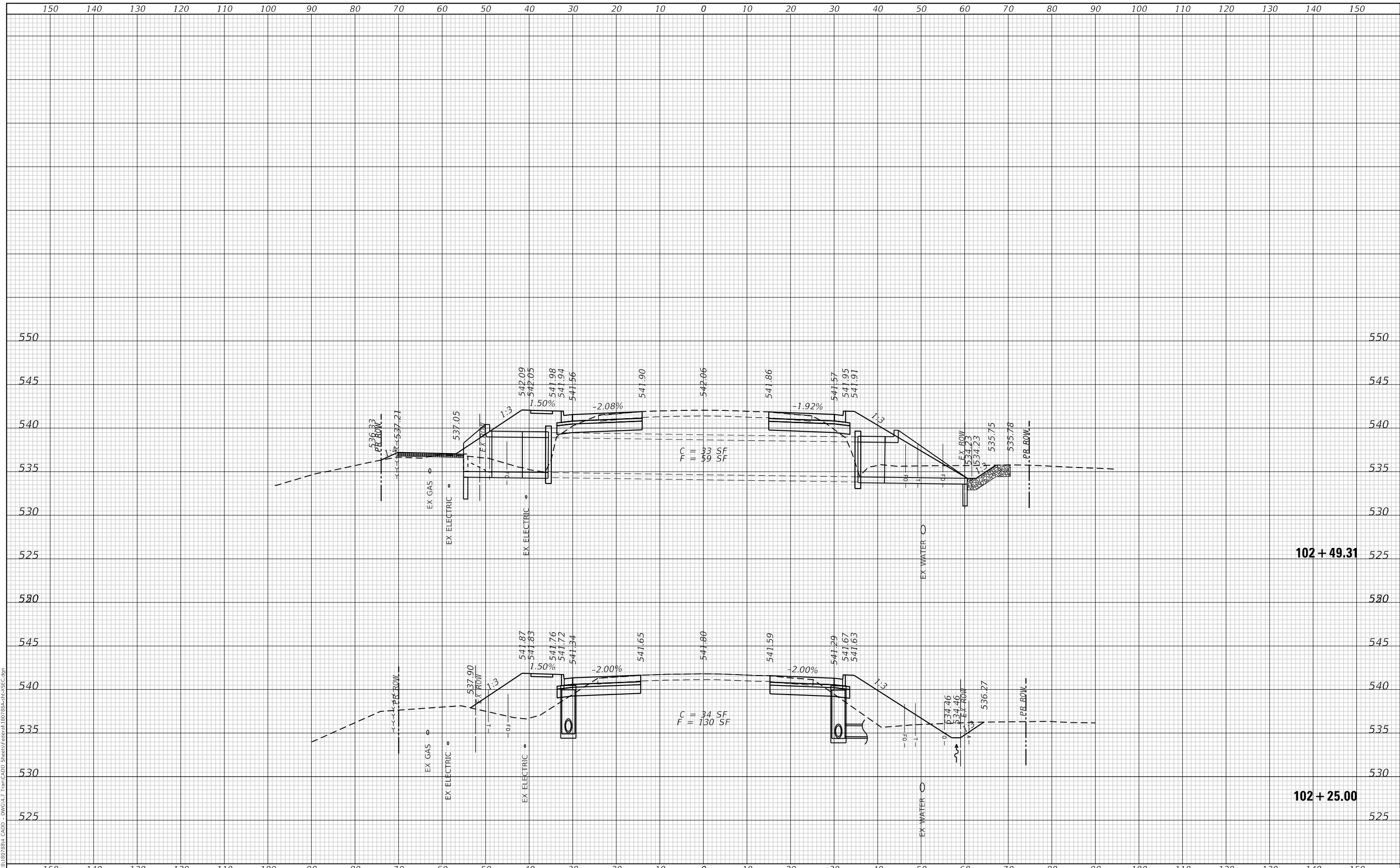
SCALE: 1"=10' SHEET 24 OF 57 SHEETS STA. 101+50.00 TO STA. 102+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	158
CONTRACT NO. 97872				
ILLINOIS		FED. AID PROJECT		

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

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

MODEL: Defnair
 FILE NAME: P:\2025\101807884 CADD - DWG-H-7 Tran-CADD Streets\Federal\807884-PC-R-CSEC.dgn



TWM
 ENGINEERING
 GEOSPATIAL SERVICES

TWM, INC.
 www.twm-inc.com
 IL DESIGN FIRM
 LICENSE NO: 184-001220

USER NAME =	efisher	DESIGNED -	EKF	REVISED -	
		DRAWN -	EKF/KDD	REVISED -	
PLOT SCALE =	20.0000 ' / in.	CHECKED -	JWS	REVISED -	
PLOT DATE =	6/17/2025	DATE -	06/2025	REVISED -	



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

CROSS SECTIONS

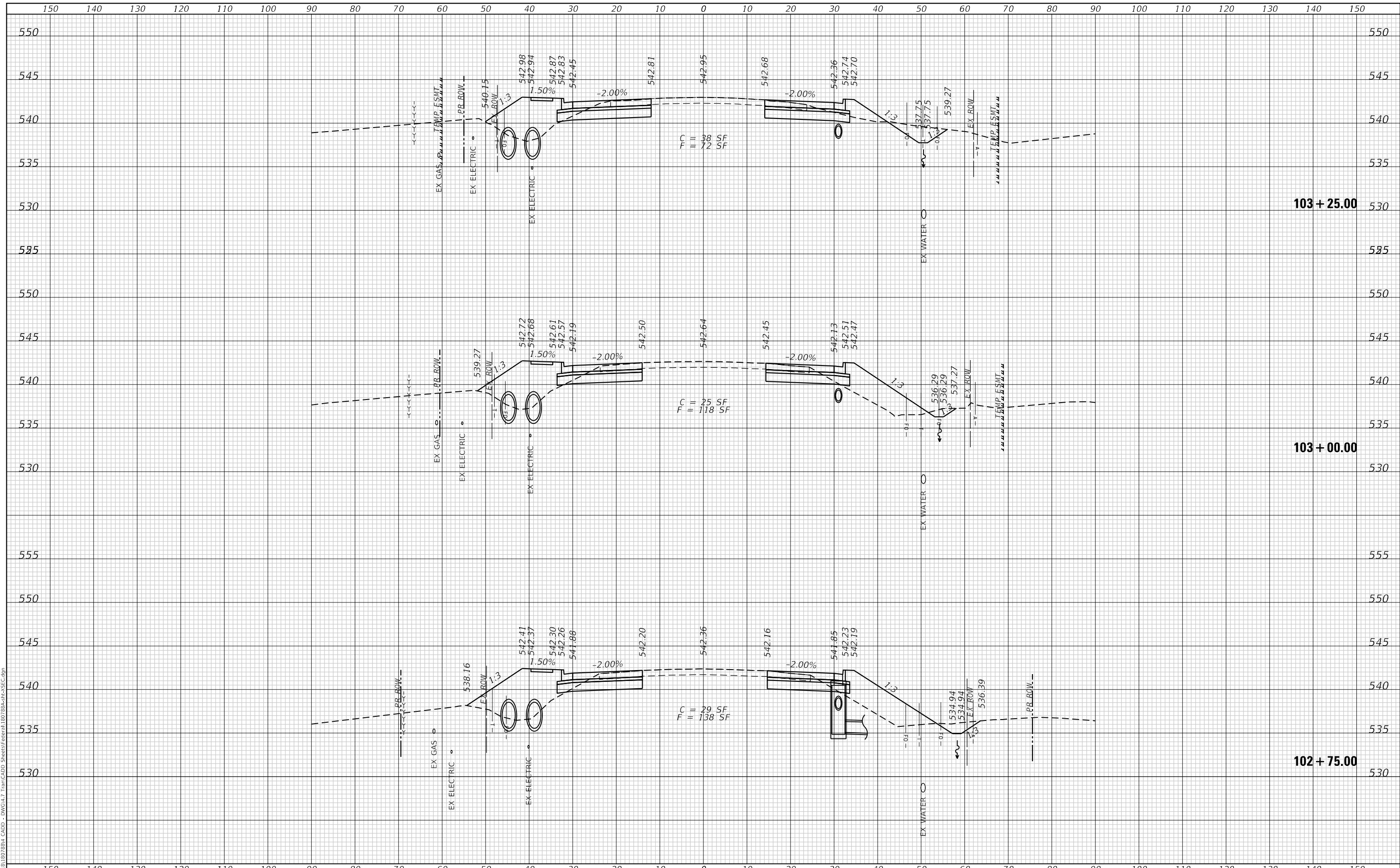
SCALE: 1"=10' SHEET 25 OF 57 SHEETS STA. 102+25.00 TO STA. 102+49.31

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	159
			CONTRACT NO. 97872	
			ILLINOIS FED. AID PROJECT	

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

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

MODEL: Defnair
 FILE NAME: P:\2025\107884 CADD - DWG-H-7 Tran-CADD StreetsFederal\107884-H-7-SEC.dgn



TWM
 ENGINEERING
 GEOSPATIAL SERVICES

TWM, INC.
 www.twm-inc.com
 IL DESIGN FIRM
 LICENSE NO: 184-001220

USER NAME = efisher	DESIGNED - EKF	REVISED -
	DRAWN - EKF/KDD	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JWS	REVISED -
PLOT DATE = 6/17/2025	DATE - 06/2025	REVISED -



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

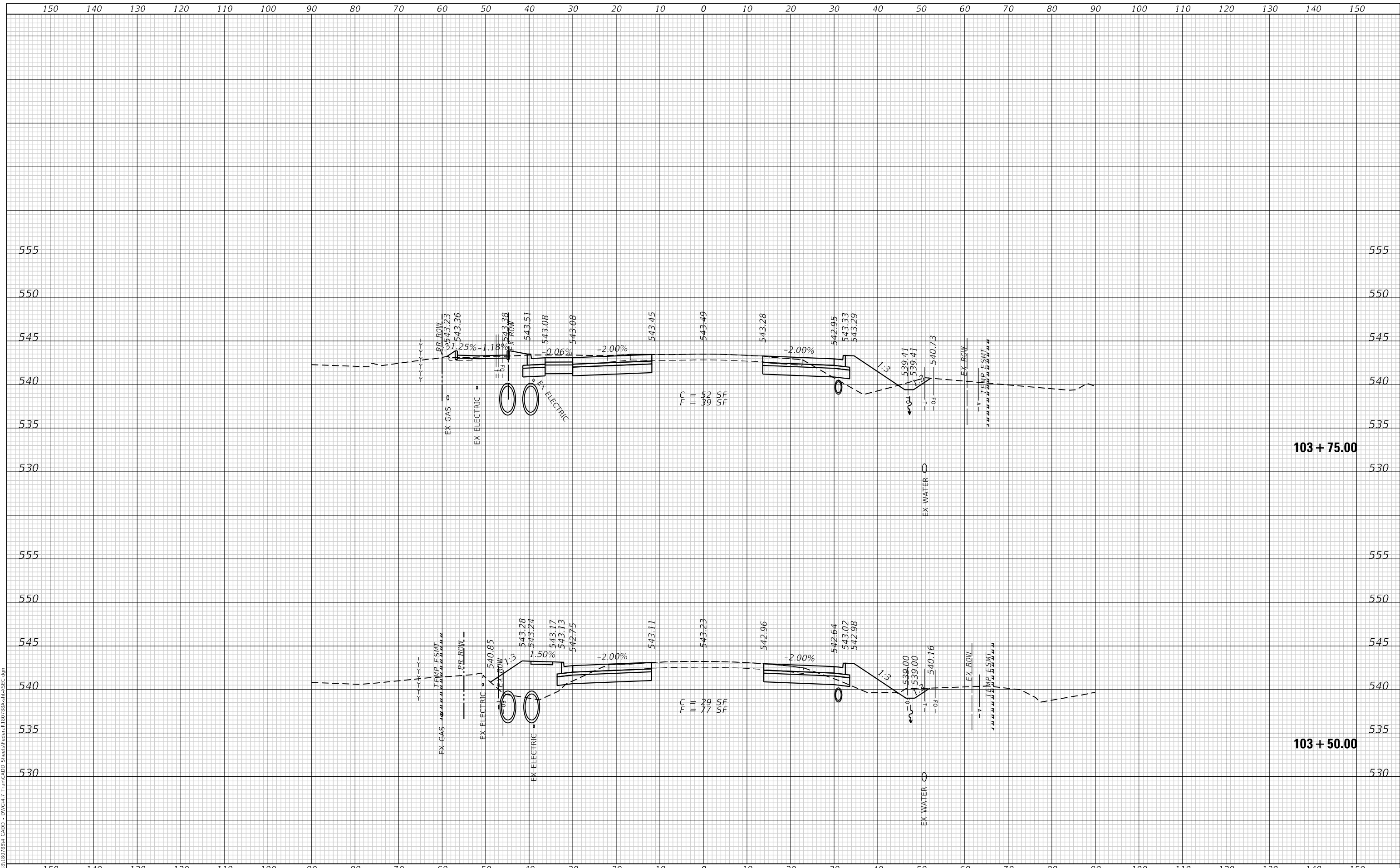
CROSS SECTIONS
 SCALE: 1"=10' SHEET 26 OF 57 SHEETS STA. 102+75.00 TO STA. 103+25.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	160
			CONTRACT NO. 97872	
			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

MODEL: Defnair
 FILE NAME: P:\2025\184\184788.dwg CADD - DWG-H-7 Tran-CADD_Sheet\Federal\184788.dwg



TWM
 ENGINEERING
 GEOSPATIAL SERVICES

TWM, INC.
 www.twm-inc.com
 IL DESIGN FIRM
 LICENSE NO: 184-001220

USER NAME = efisher	DESIGNED - EKF	REVISED -
	DRAWN - EKF/KDD	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - JWS	REVISED -
PLOT DATE = 6/17/2025	DATE - 06/2025	REVISED -



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

CROSS SECTIONS

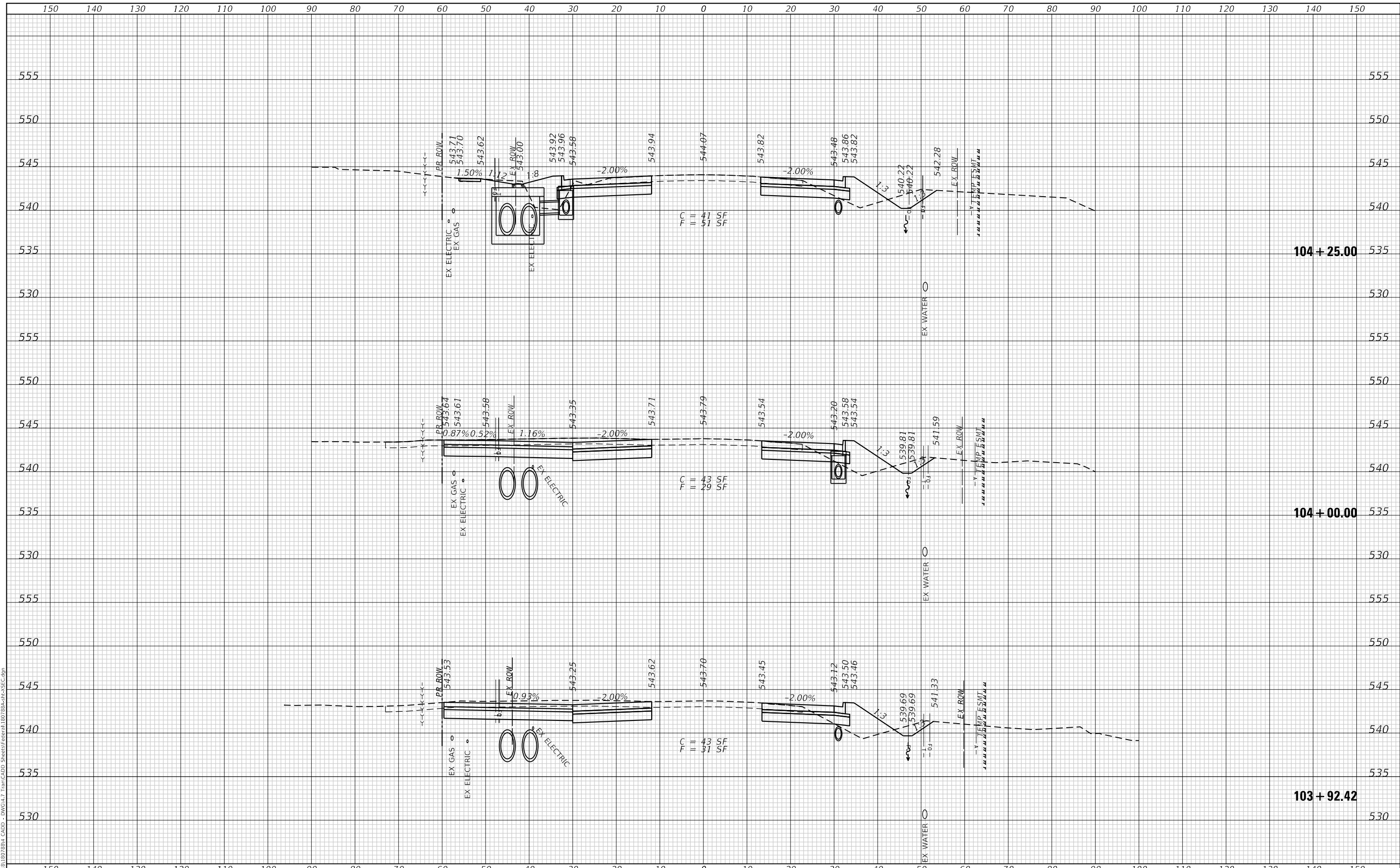
SCALE: 1"=10' SHEET 27 OF 57 SHEETS STA. 103+50.00 TO STA. 103+75.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	161
CONTRACT NO. 97872				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Defnair
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TWM
 ENGINEERING
 GEOSPATIAL SERVICES

TWM, INC.
 WWW.TWM-INC.COM
 IL DESIGN FIRM
 LICENSE NO: 184-001220

USER NAME =	efisher	DESIGNED -	EKF	REVISED -	
		DRAWN -	EKF/KDD	REVISED -	
PLOT SCALE =	20.0000' / in.	CHECKED -	JWS	REVISED -	
PLOT DATE =	6/17/2025	DATE -	06/2025	REVISED -	



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

CROSS SECTIONS

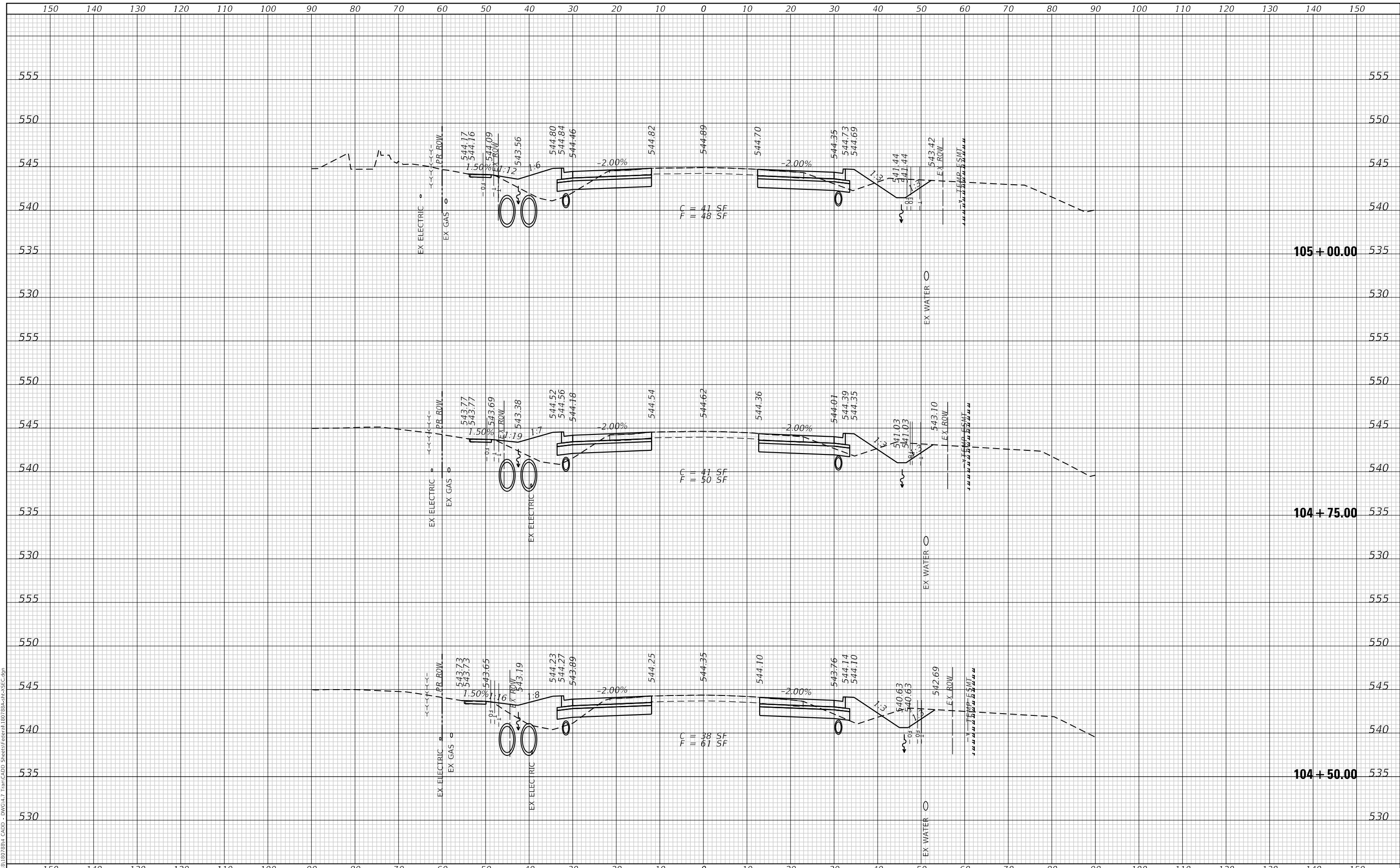
SCALE: 1"=10' SHEET 28 OF 57 SHEETS STA. 103+92.42 TO STA. 104+25.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	162
			CONTRACT NO. 97872	
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Defnair
 FILE NAME: P:\2025\101807884 CADD - DWG-H-7 Tran-CADD Streets\Federal\101807884-H-7SEC.dgn



TWM
 ENGINEERING
 GEOSPATIAL SERVICES

TWM, INC.
 WWW.TWM-INC.COM
 IL DESIGN FIRM
 LICENSE NO: 184-001220

USER NAME	= efisher	DESIGNED	- EKF	REVISED	-
		DRAWN	- EKF/KDD	REVISED	-
PLOT SCALE	= 20.0000' / in.	CHECKED	- JWS	REVISED	-
PLOT DATE	= 6/17/2025	DATE	- 06/2025	REVISED	-



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

CROSS SECTIONS

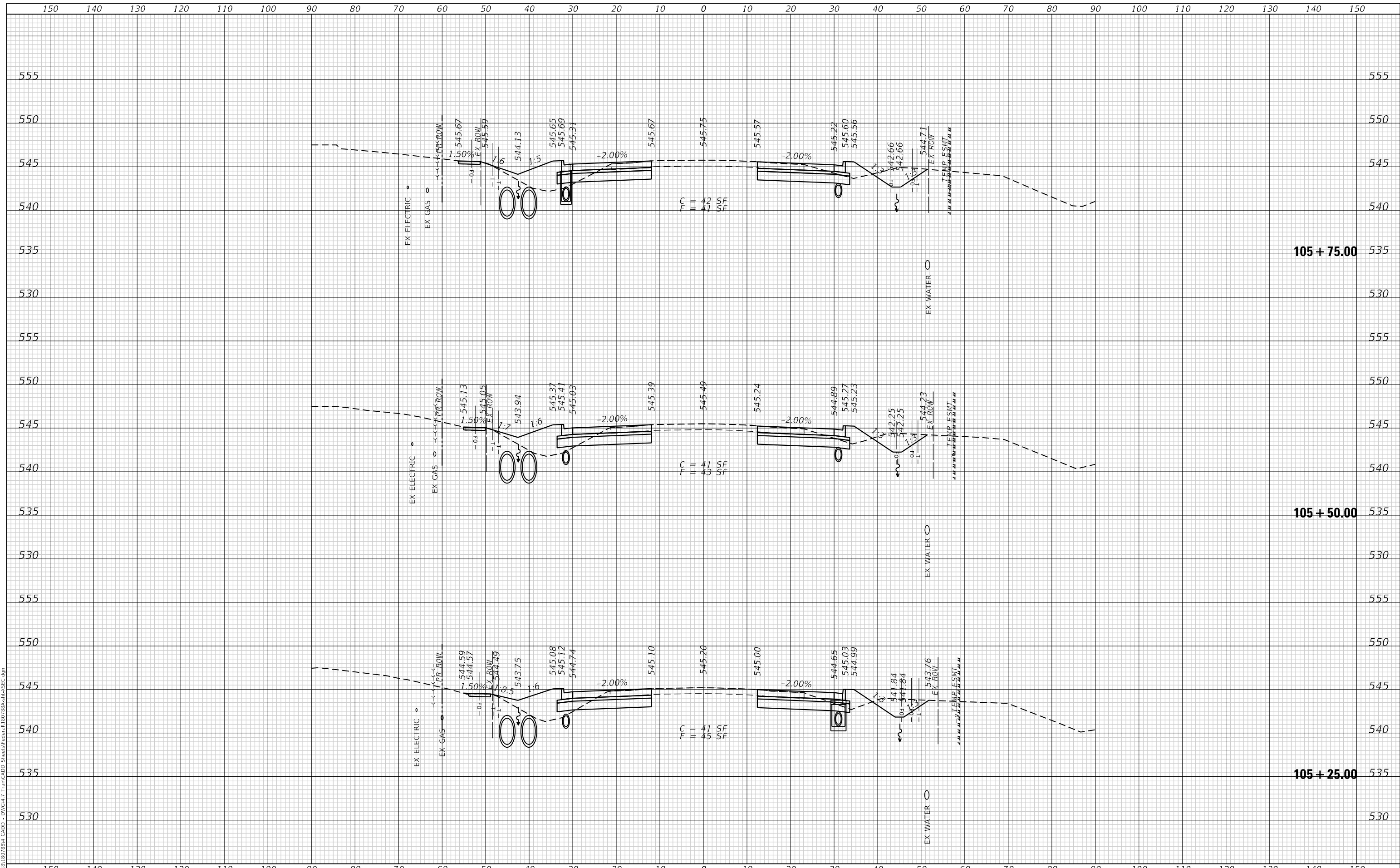
SCALE: 1"=10' SHEET 29 OF 57 SHEETS STA. 104+50.00 TO STA. 105+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	163
			CONTRACT NO. 97872	
			ILLINOIS FED. AID PROJECT	

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

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

MODEL: Defnair
 FILE NAME: P:\2025\184\184788\4 CADD - DWG-1.7 Tran-CADD StreetsFederal184788-4-1-SEC.dgn



TWM
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 GEOSPATIAL SERVICES

TWM, INC.
 www.twm-inc.com
 IL DESIGN FIRM
 LICENSE NO: 184-001220

USER NAME	= efisher
DESIGNED	- EKF
DRAWN	- EKF/KDD
CHECKED	- JWS
DATE	- 06/2025
PLOT SCALE	= 20.0000' / in.
PLOT DATE	= 6/17/2025

REVISED	-
REVISED	-
REVISED	-
REVISED	-



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

CROSS SECTIONS

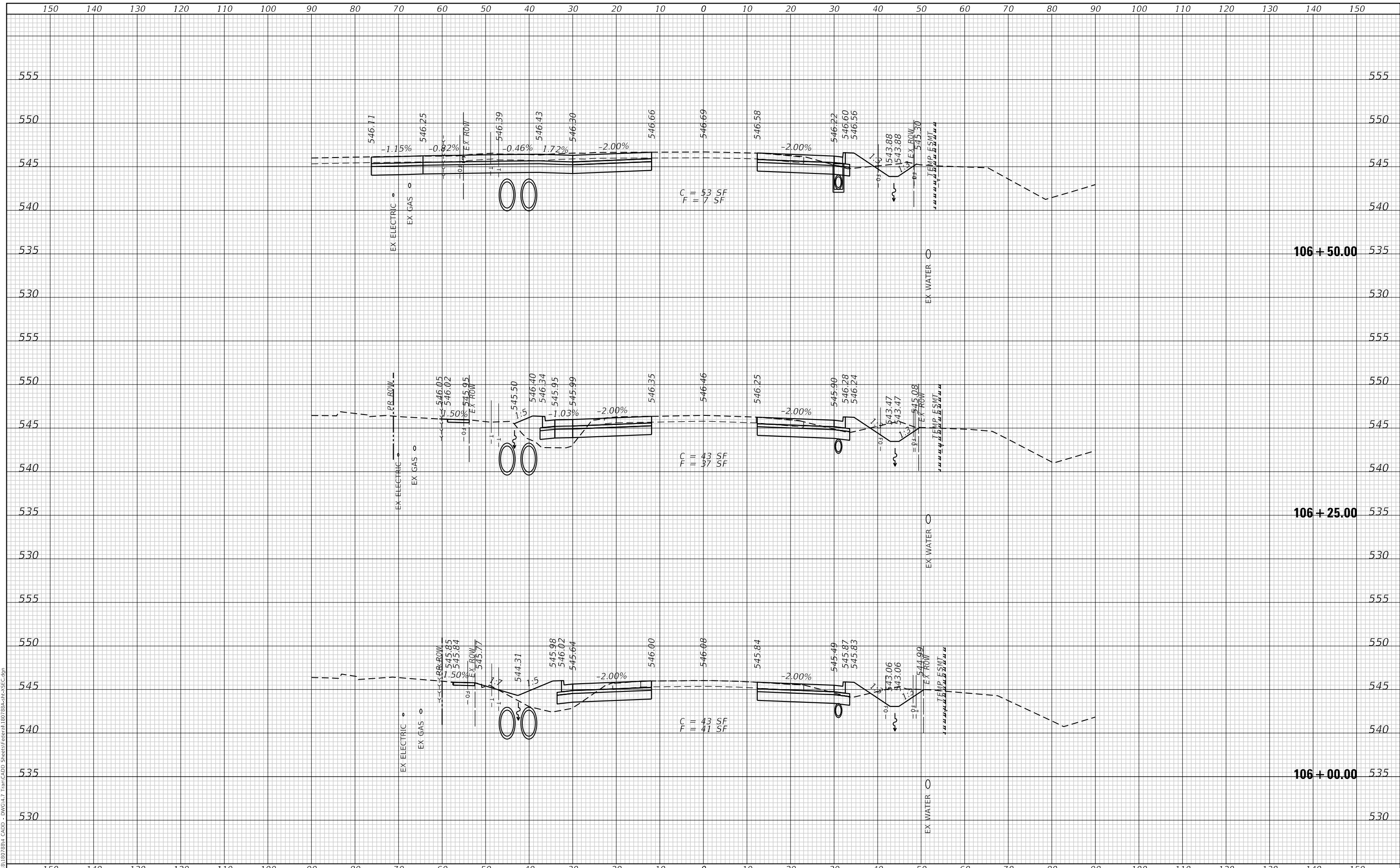
SCALE: 1"=10' SHEET 30 OF 57 SHEETS STA. 105+25.00 TO STA. 105+75.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	164
				CONTRACT NO. 97872
				ILLINOIS FED. AID PROJECT

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

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

MODEL: Defnair
 FILE NAME: P:\2025\184\184788u CAD - DWG-H-7 Tran-CADD Streets\Federal\184788u-H-7SEC.dgn



TWM
 ENGINEERING
 GEOSPATIAL SERVICES

TWM, INC.
 www.twm-inc.com
 IL DESIGN FIRM
 LICENSE NO: 184-001220

USER NAME	= efisher
DESIGNED	- EKF
DRAWN	- EKF/KDD
CHECKED	- JWS
DATE	- 06/2025
PLOT SCALE	= 20.0000' / in.
PLOT DATE	= 6/17/2025

REVISED	-
REVISED	-
REVISED	-
REVISED	-



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

CROSS SECTIONS

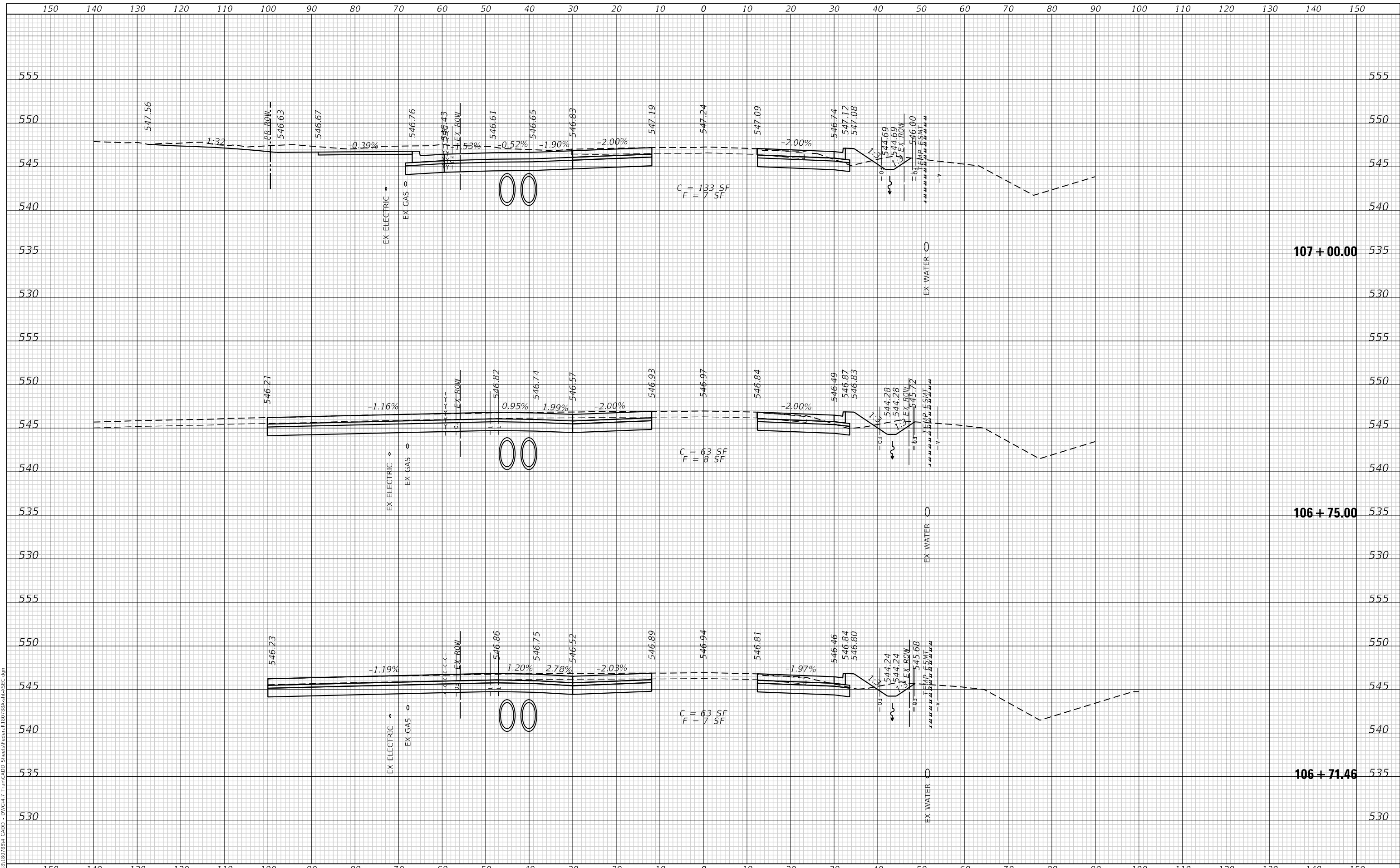
SCALE: 1"=10' SHEET 31 OF 57 SHEETS STA. 106+00.00 TO STA. 106+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	165
				CONTRACT NO. 97872
				ILLINOIS FED. AID PROJECT

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

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

MODEL: Defnair
 FILE NAME: P:\2024\101807884 CADD - DWG-H-7 Tran-CADD Streets\Federal\107884-PC-35C.dgn



TWM
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 GEOSPATIAL SERVICES

TWM, INC.
 www.twm-inc.com
 IL DESIGN FIRM
 LICENSE NO: 184-001220

USER NAME = efisher	DESIGNED - EKF	REVISED -
	DRAWN - EKF/KDD	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JWS	REVISED -
PLOT DATE = 6/17/2025	DATE - 06/2025	REVISED -



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

CROSS SECTIONS

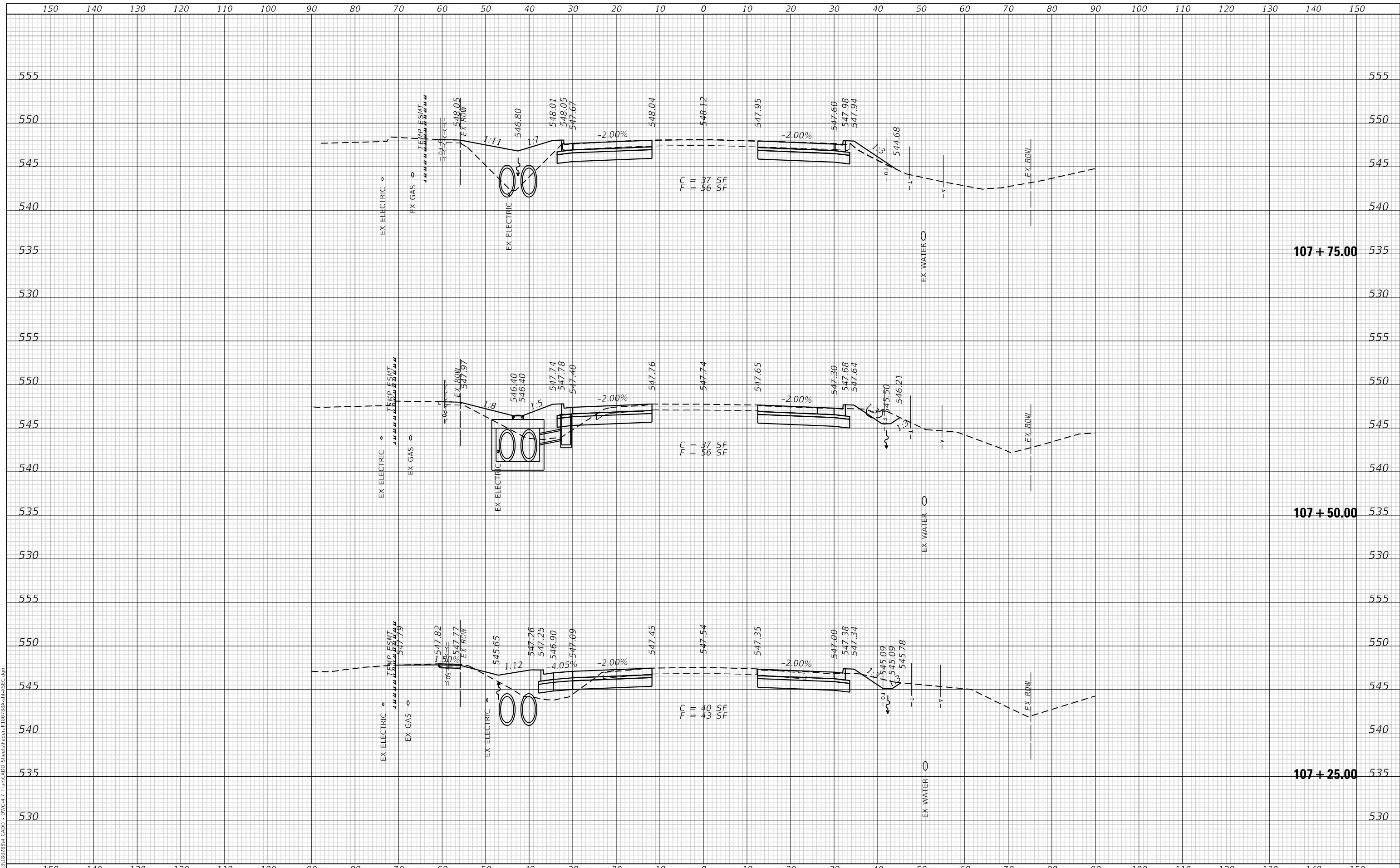
SCALE: 1"=10' SHEET 32 OF 57 SHEETS STA. 106+71.46 TO STA. 107+00.00

F.A.U. RTE. 9330	SECTION 24-00301-26-PW	COUNTY ST. CLAIR	TOTAL SHEETS 191	SHEET NO. 166
			CONTRACT NO. 97872	
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY NO.	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY NO.	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	

MODEL: Defnair
 FILE NAME: P:\2025\184\184788.dwg
 CADD - DWG-H-7 Tran-CADD StreetsFederal184788.dwg



TWM, INC.
 ENGINEERING GEOSPATIAL SERVICES
 WWW.TWM-INC.COM
 ILL. DESIGN FIRM LICENSE NO: 184-001220

USER NAME = efisher	DESIGNED - EKF	REVISED -
	DRAWN - EKF/KDD	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JWS	REVISED -
PLOT DATE = 6/17/2025	DATE - 06/2025	REVISED -



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

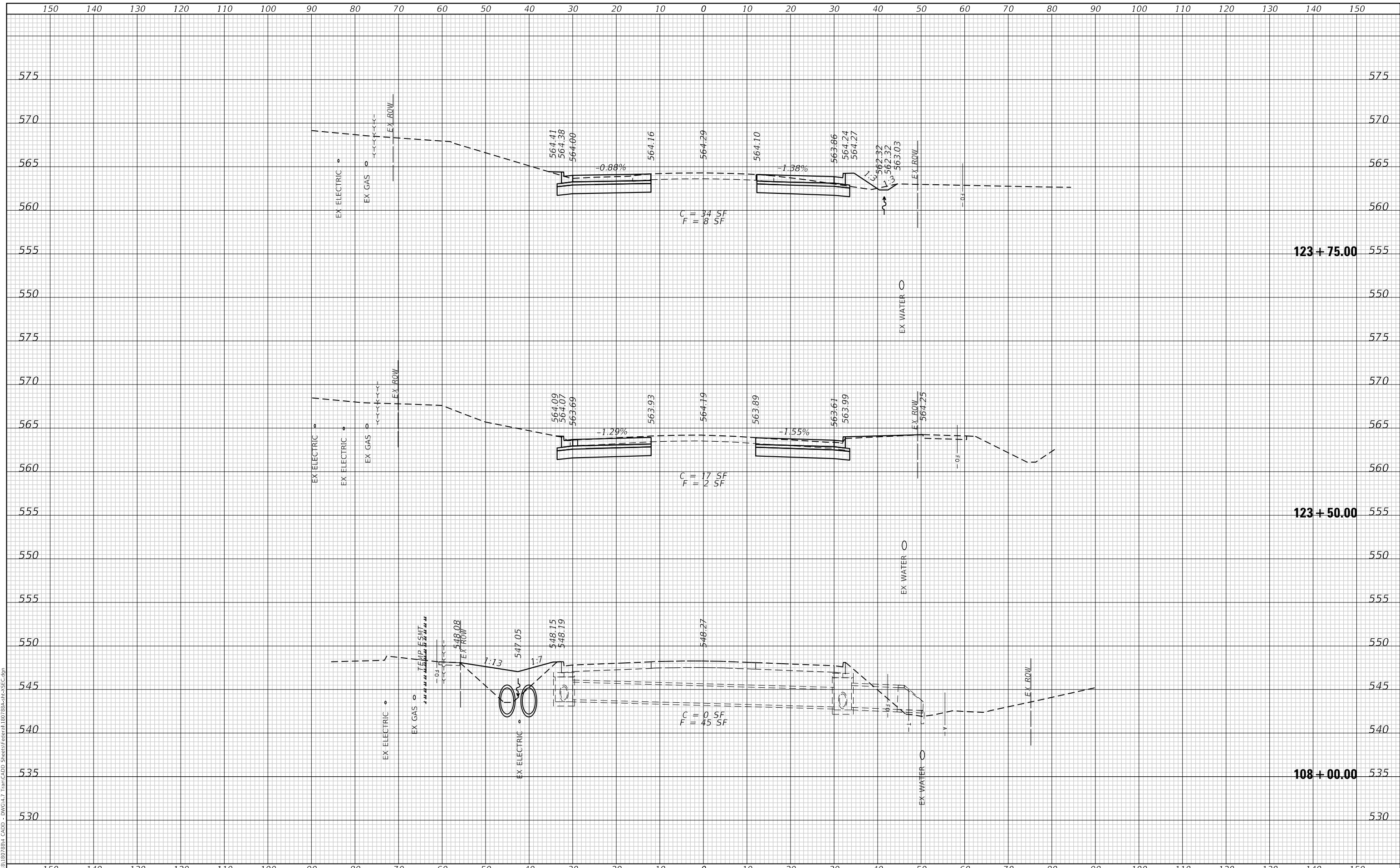
CROSS SECTIONS
 SCALE: 1"=10' SHEET 33 OF 57 SHEETS STA. 107+25.00 TO STA. 107+75.00

F.A.U. RTE. 9330	SECTION 24-00301-26-PW	COUNTY ST. CLAIR	TOTAL SHEETS 191	SHEET NO. 167
			CONTRACT NO. 97872	
			ILLINOIS FED. AID PROJECT	

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

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

MODEL: Defnair
 FILE NAME: P:\2025\184\184788.dwg
 CADD: DWG-H-7 Tran-CADD StreetsFederal184788.dwg



TWM
 ENGINEERING
 GEOSPATIAL SERVICES

TWM, INC.
 WWW.TWM-INC.COM
 IL DESIGN FIRM
 LICENSE NO: 184-001220

USER NAME	= efisher
DESIGNED	- EKF
DRAWN	- EKF/KDD
CHECKED	- JWS
DATE	- 06/2025
REVISIONS	
REVISED	-
REVISED	-
REVISED	-
REVISED	-



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

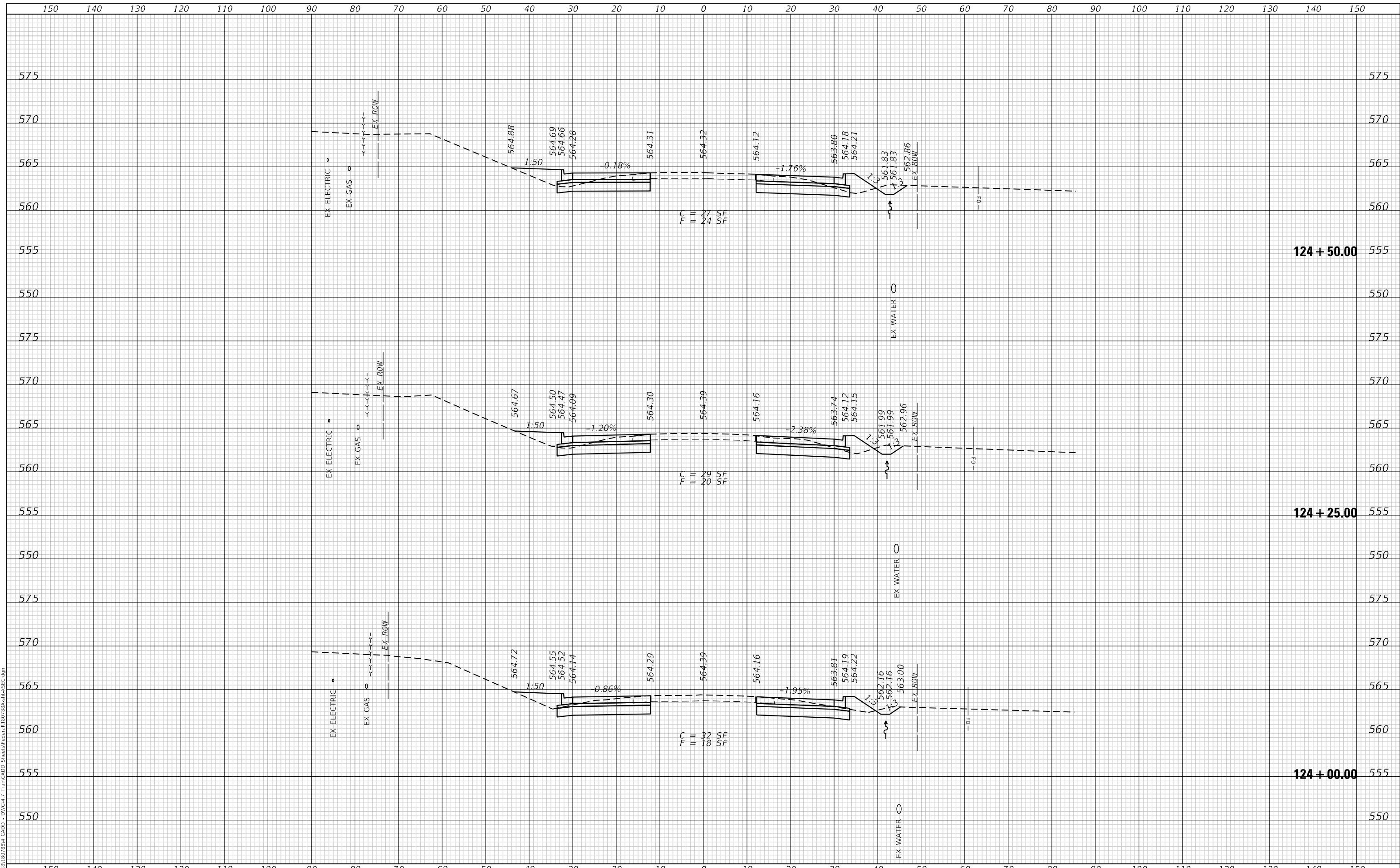
CROSS SECTIONS
 SCALE: 1"=10'
 SHEET 34 OF 57 SHEETS
 STA. 108+00.00 TO STA. 123+75.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	168
CONTRACT NO. 97872				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Defnair
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TWM
 ENGINEERING
 GEOSPATIAL SERVICES

TWM, INC.
 www.twm-inc.com
 IL DESIGN FIRM
 LICENSE NO:
 184-001220

USER NAME = efisher	DESIGNED - EKF	REVISED -
PLOT SCALE = 20.0000 ' / in.	DRAWN - EKF/KDD	REVISED -
PLOT DATE = 6/17/2025	CHECKED - JWS	REVISED -
	DATE - 06/2025	REVISED -



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

CROSS SECTIONS

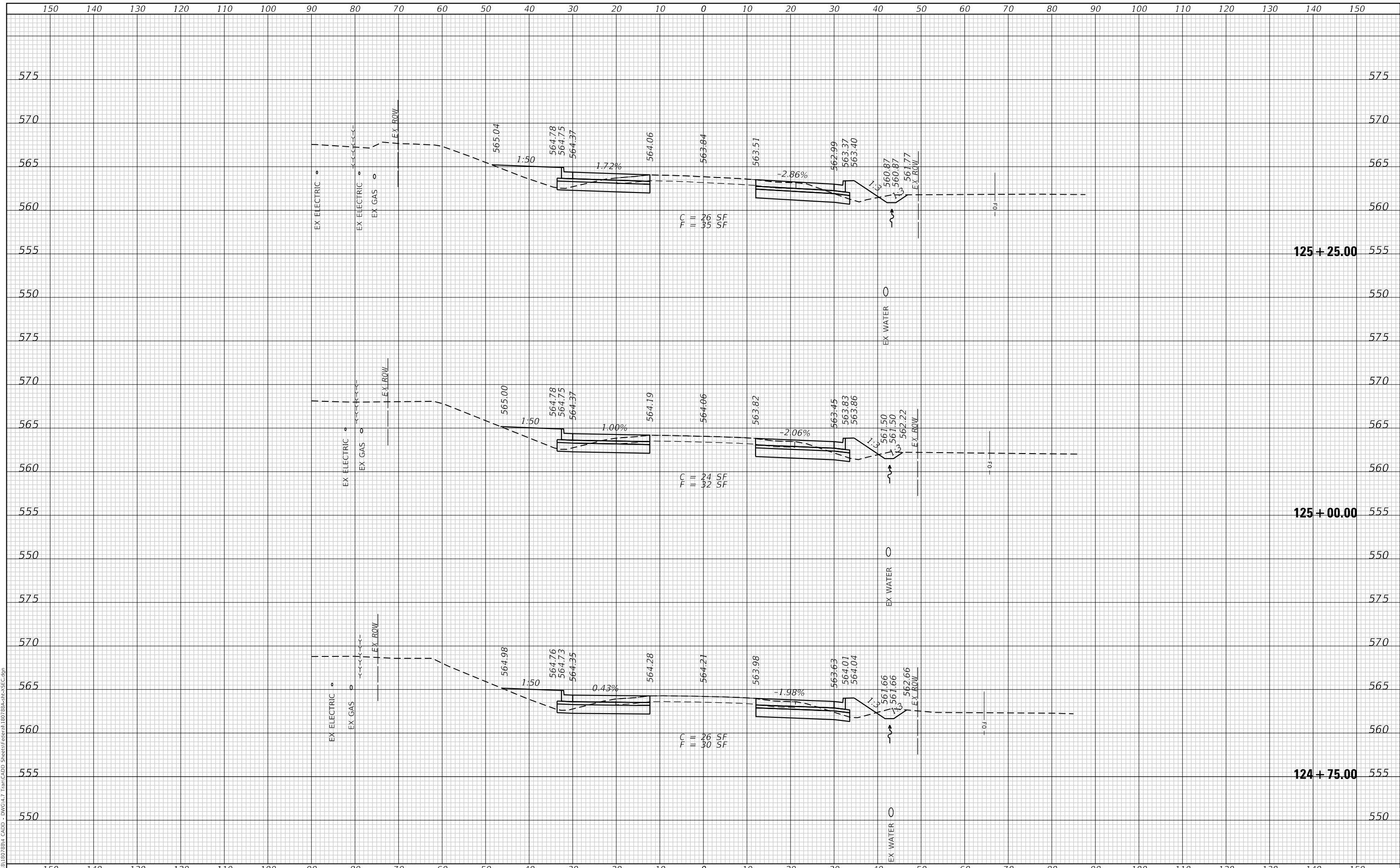
SCALE: 1"=10' SHEET 35 OF 57 SHEETS STA. 124+00.00 TO STA. 124+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	169
			CONTRACT NO. 97872	
ILLINOIS FED. AID PROJECT				

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

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

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 FILE NAME: P:\2025\184\184788.dwg
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TWM
 ENGINEERING
 GEOSPATIAL SERVICES

TWM, INC.
 www.twm-inc.com
 IL DESIGN FIRM
 LICENSE NO: 184-001220

USER NAME	= efisher
DESIGNED	- EKF
DRAWN	- EKF/KDD
CHECKED	- JWS
DATE	- 06/2025
REVISIONS	
REVISED	-
REVISED	-
REVISED	-



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

CROSS SECTIONS

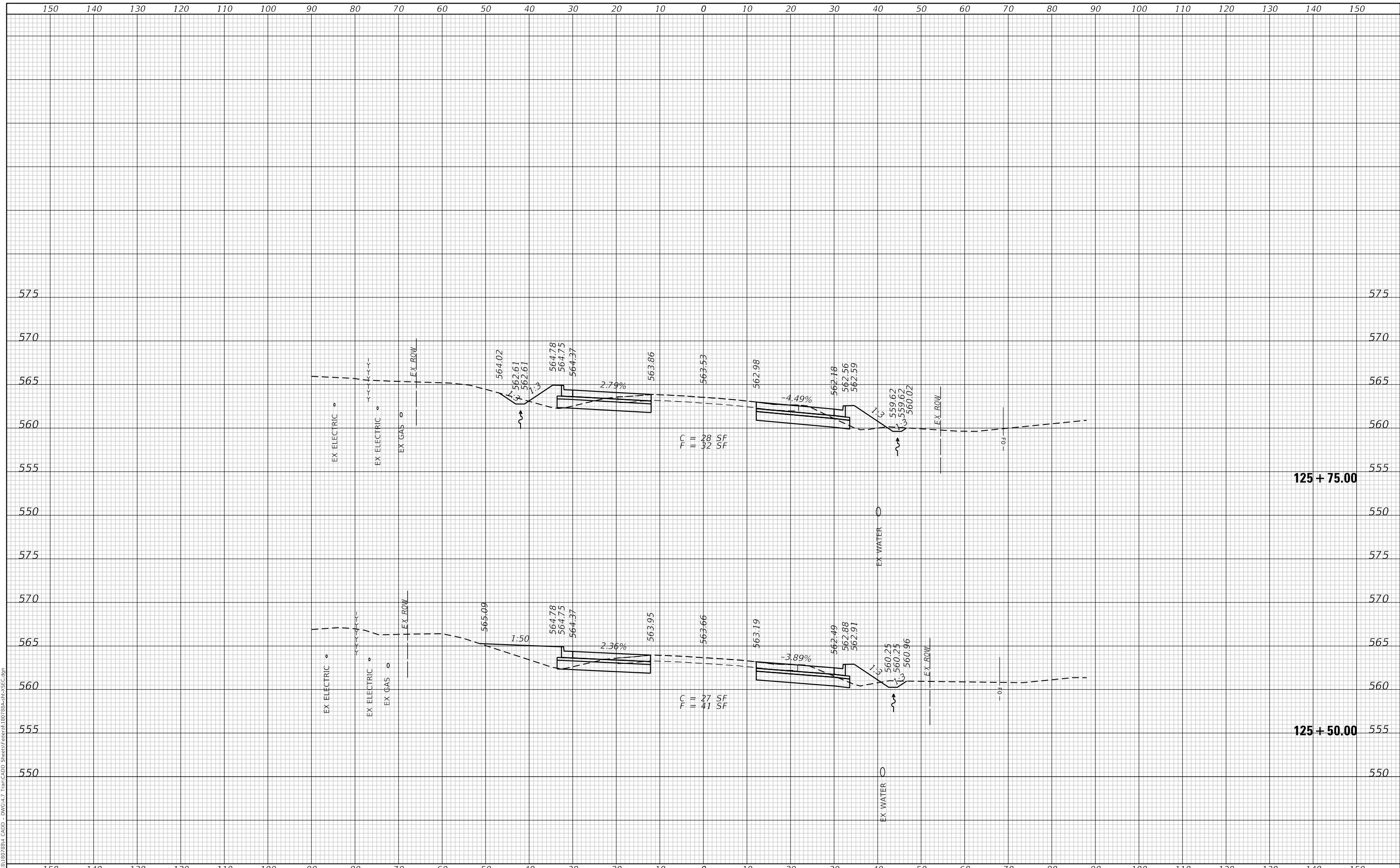
SCALE: 1"=10'
 SHEET 36 OF 57 SHEETS
 STA. 124+75.00 TO STA. 125+25.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	170
CONTRACT NO. 97872				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Defnair
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TWM
 ENGINEERING
 GEOSPATIAL SERVICES

TWM, INC.
 WWW.TWM-INC.COM

IL DESIGN FIRM
 LICENSE NO: 184-001220

USER NAME = efisher	DESIGNED - EKF	REvised -
	DRAWN - EKF/KDD	REvised -
PLOT SCALE = 20.0000' / in.	CHECKED - JWS	REvised -
PLOT DATE = 6/17/2025	DATE - 06/2025	REvised -



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

SCALE: 1"=10' SHEET 37 OF 57 SHEETS STA. 125+50.00 TO STA. 125+75.00

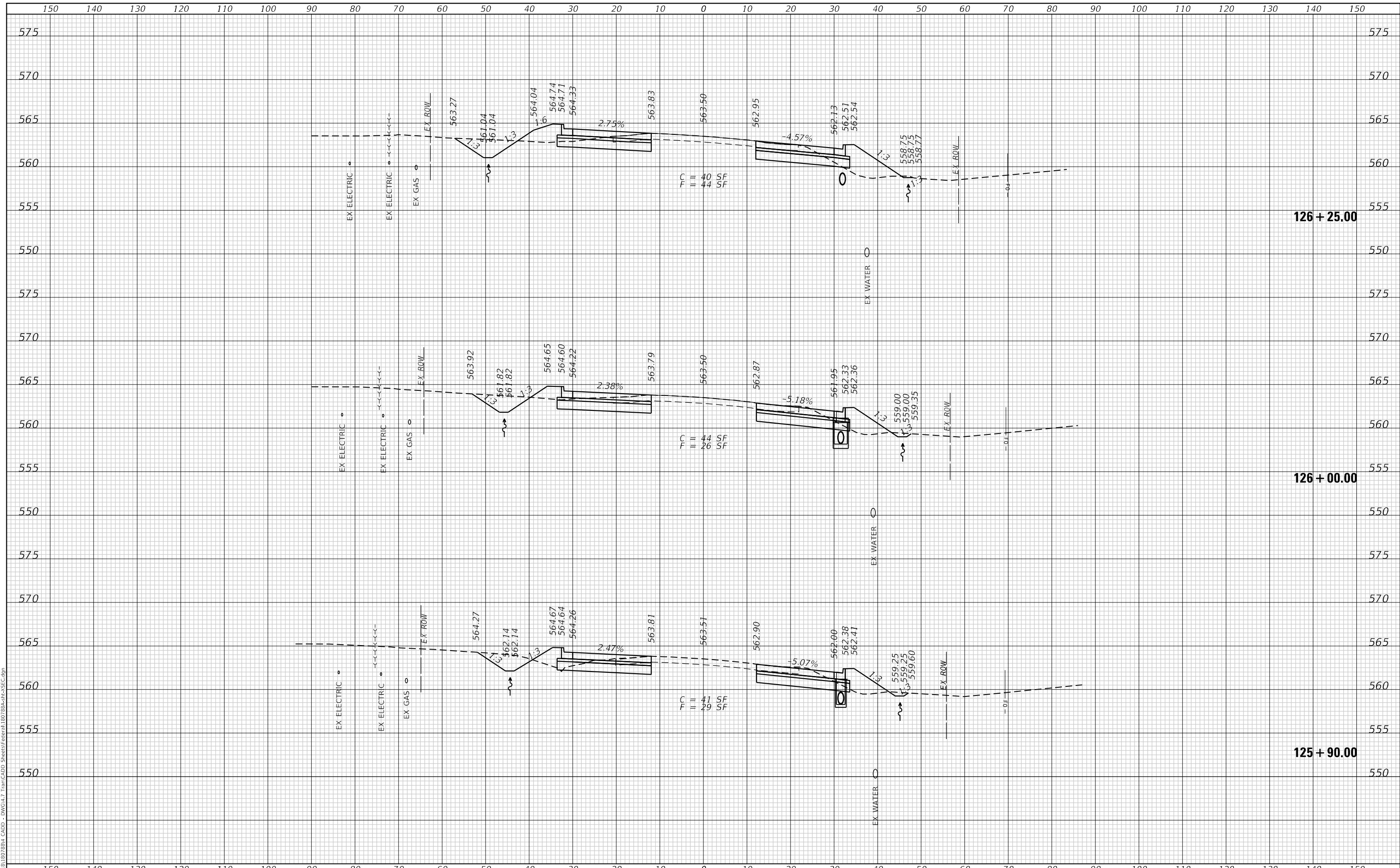
CROSS SECTIONS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	171
			CONTRACT NO. 97872	
			ILLINOIS FED. AID PROJECT	

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

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

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TWM
 ENGINEERING
 GEOSPATIAL SERVICES

TWM, INC.
 WWW.TWM-INC.COM
 IL DESIGN FIRM
 LICENSE NO: 184-001220

USER NAME = efisher	DESIGNED - EKF	REVISED -
	DRAWN - EKF/KDD	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JWS	REVISED -
PLOT DATE = 6/17/2025	DATE - 06/2025	REVISED -



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

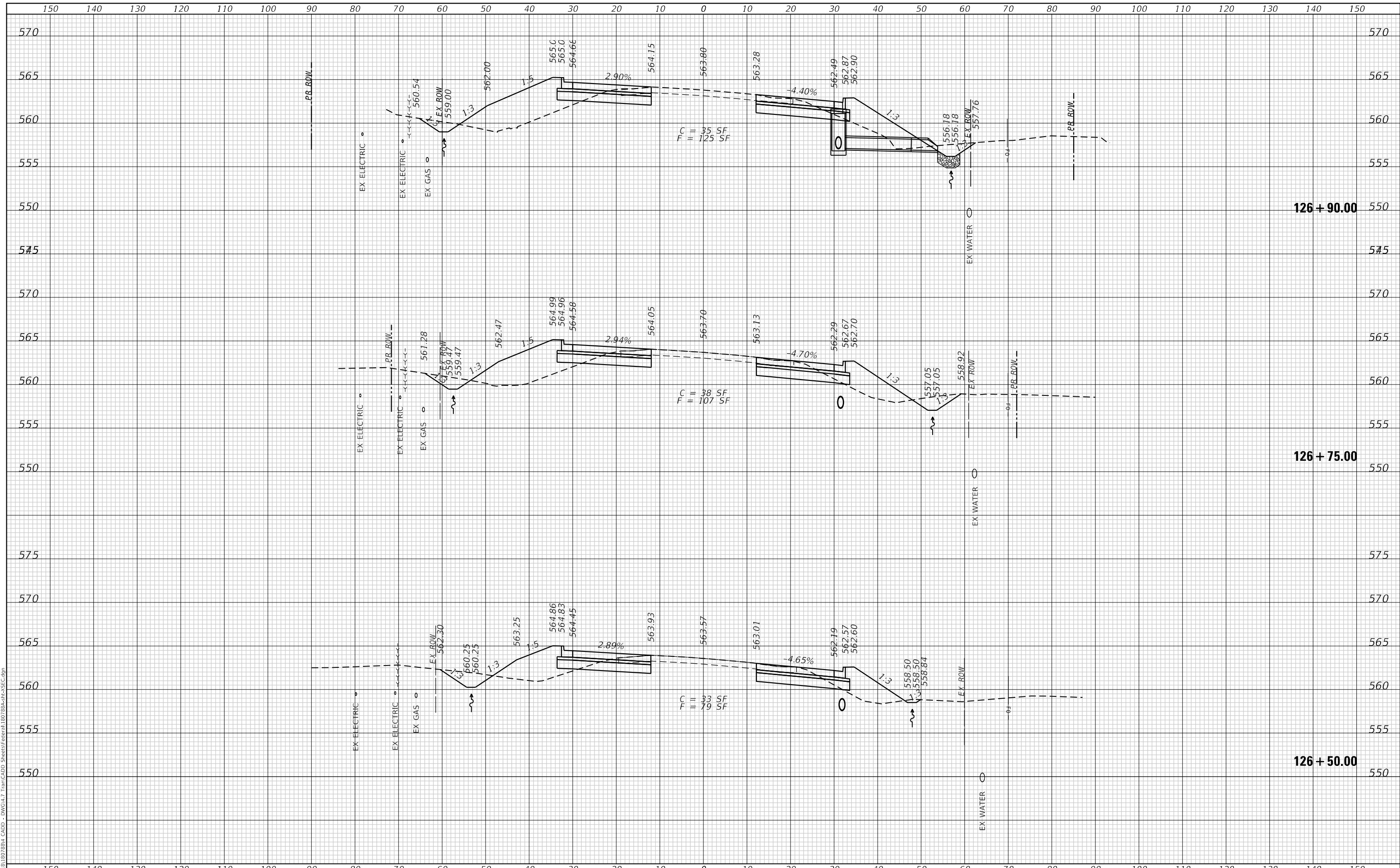
CROSS SECTIONS
 SCALE: 1"=10'
 SHEET 38 OF 57 SHEETS
 STA. 125+90.00 TO STA. 126+25.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	172
			CONTRACT NO. 97872	
			ILLINOIS FED. AID PROJECT	

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

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

MODEL: Defnair
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TWM, INC.
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 IL DESIGN FIRM
 LICENSE NO: 184-001220

USER NAME	= efisher	DESIGNED	- EKF	REVISED	-
		DRAWN	- EKF/KDD	REVISED	-
PLOT SCALE	= 20.0000 ' / in.	CHECKED	- JWS	REVISED	-
PLOT DATE	= 6/17/2025	DATE	- 06/2025	REVISED	-



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

CROSS SECTIONS

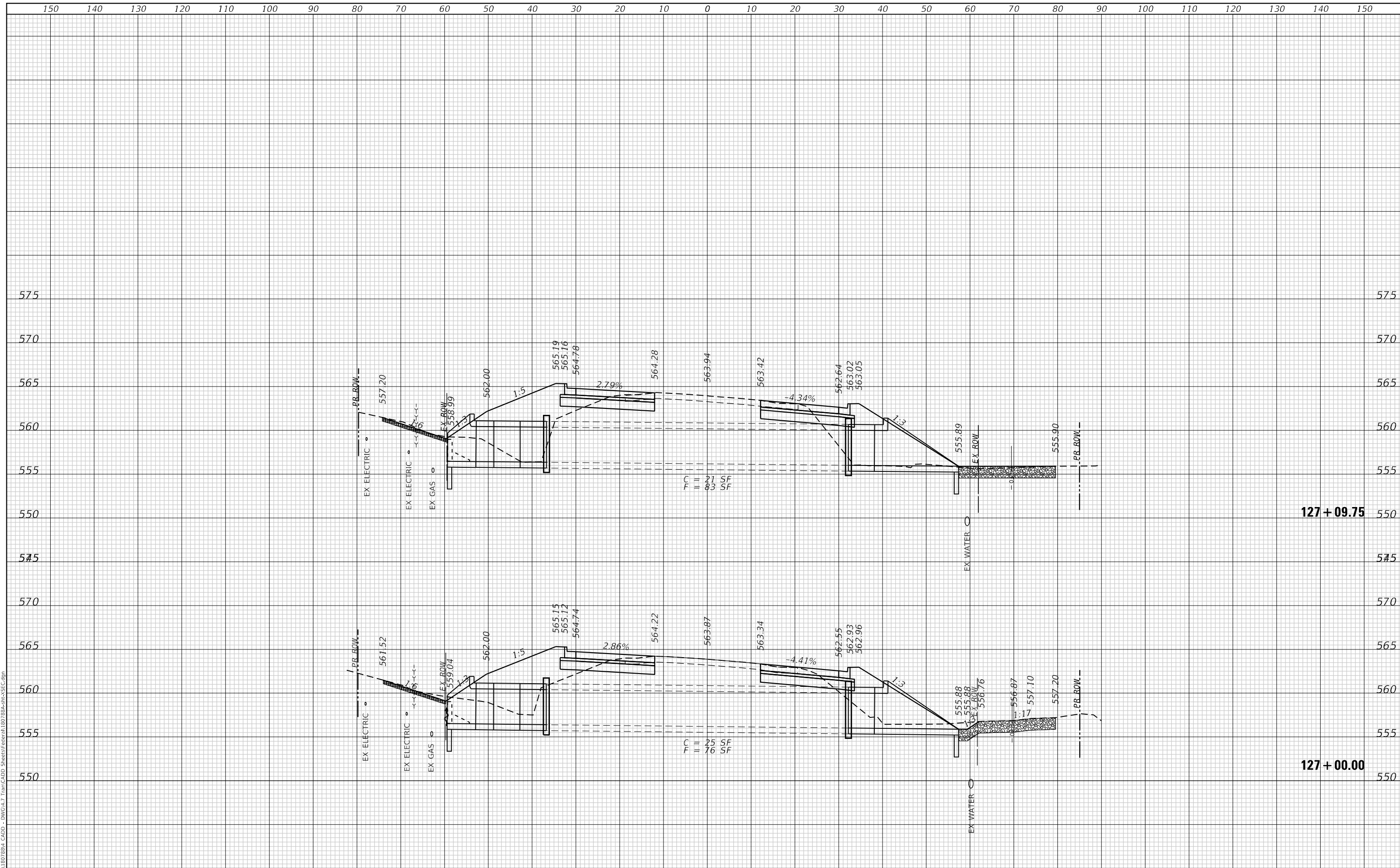
SCALE: 1"=10' SHEET 39 OF 57 SHEETS STA. 126+50.00 TO STA. 126+90.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	173
			CONTRACT NO. 97872	
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	

MODEL: Defnair
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 GEOSPATIAL SERVICES

TWM, INC.
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 IL DESIGN FIRM
 LICENSE NO: 184-001220

USER NAME = efisher	DESIGNED - EKF	REVISED -
	DRAWN - EKF/KDD	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JWS	REVISED -
PLOT DATE = 6/17/2025	DATE - 06/2025	REVISED -



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

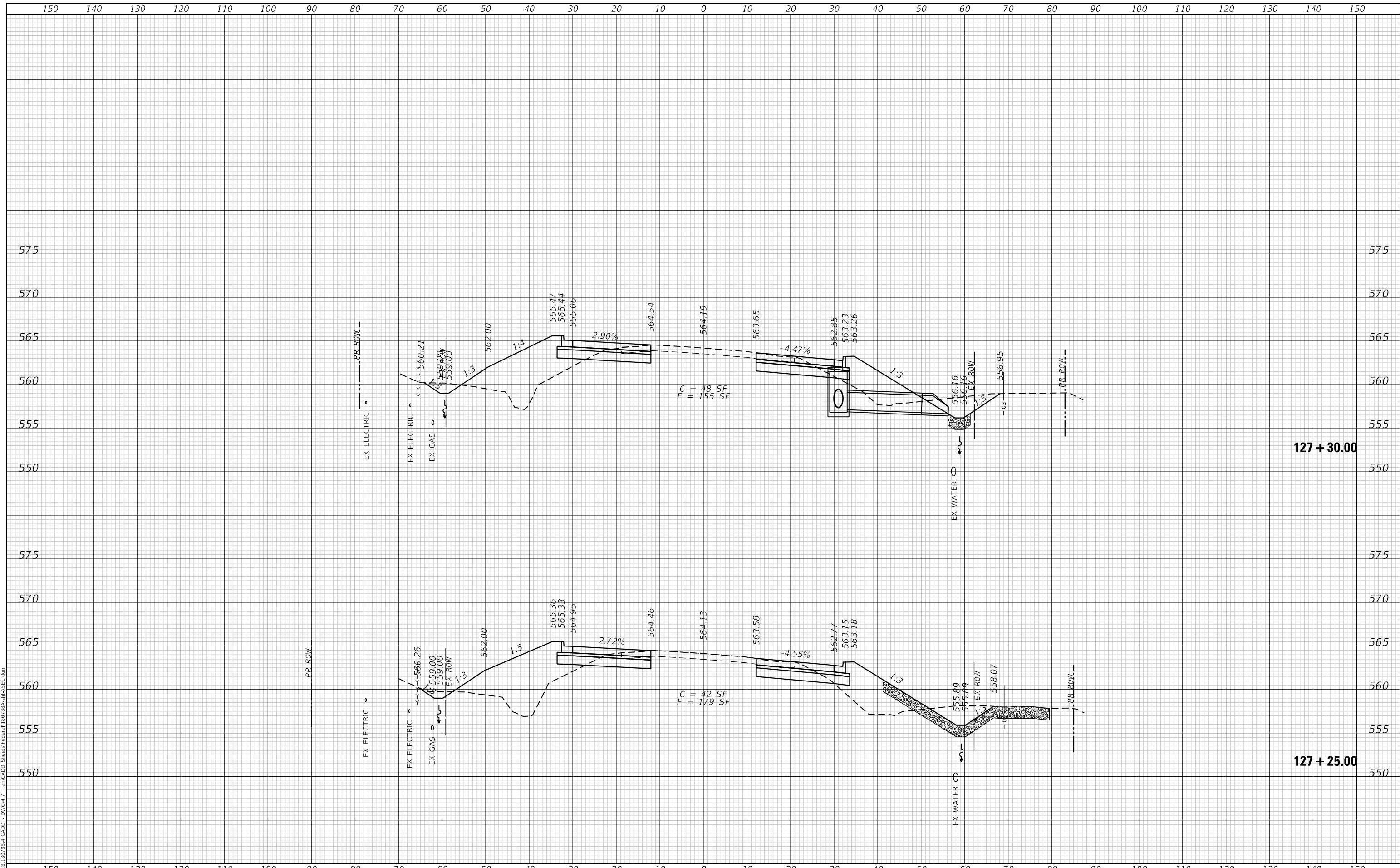
CROSS SECTIONS
 SCALE: 1"=10' SHEET 40 OF 57 SHEETS STA. 127+00.00 TO STA. 127+09.75

F.A.U. RTE. 9330	SECTION 24-00301-26-PW	COUNTY ST. CLAIR	TOTAL SHEETS 191	SHEET NO. 174
			CONTRACT NO. 97872	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	DATE
	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY NO.	SURVEYED	DATE
	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	

MODEL: Defnair
 FILE NAME: P:\2025\184\184788.dwg
 CADD - DWG-H-7 Tran-CADD StreetsFederal184788.dwg



TWM, INC.
 ENGINEERING
 GEOSPATIAL SERVICES
 WWW.TWM-INC.COM
 IL DESIGN FIRM
 LICENSE NO: 184-001220

USER NAME = efisher	DESIGNED - EKF	REVISED -
	DRAWN - EKF/KDD	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JWS	REVISED -
PLOT DATE = 6/17/2025	DATE - 06/2025	REVISED -



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

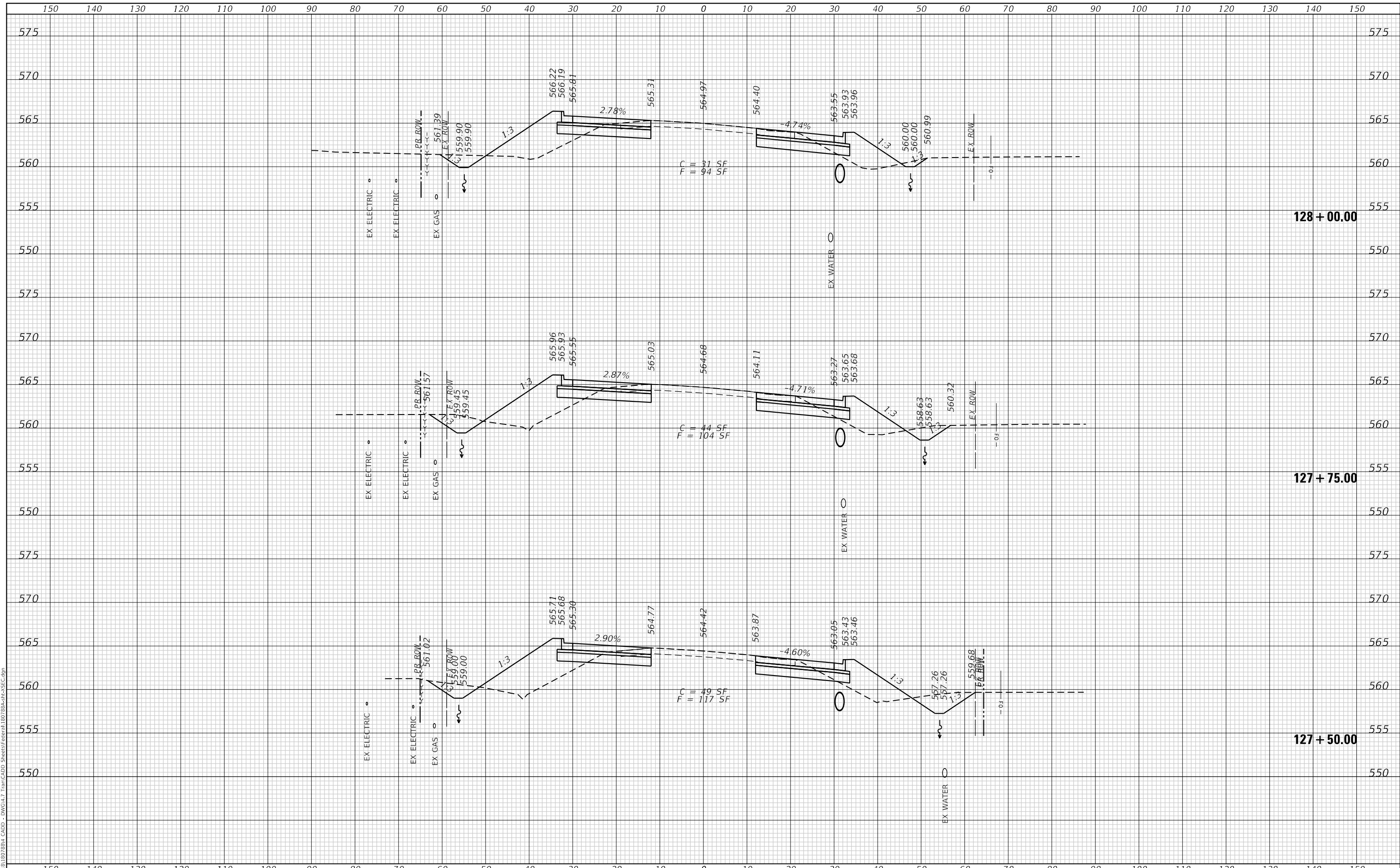
CROSS SECTIONS
 SCALE: 1"=10' SHEET 41 OF 57 SHEETS STA. 127+25.00 TO STA. 127+30.00

F.A.U. RTE. 9330	SECTION 24-00301-26-PW	COUNTY ST. CLAIR	TOTAL SHEETS 191	SHEET NO. 175
			CONTRACT NO. 97872	
ILLINOIS			FED. AID PROJECT	

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

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

MODEL: Defnair
 FILE NAME: P:\2018\18072884_CADD - DWG-H-7 Tran-CADD_Sheet\Federal\BD7884-PR-CSEC.dgn



TWM
 ENGINEERING
 GEOSPATIAL SERVICES

TWM, INC.
 www.twm-inc.com
 IL DESIGN FIRM
 LICENSE NO: 184-001220

USER NAME = efisher	DESIGNED - EKF	REVISED -
	DRAWN - EKF/KDD	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JWS	REVISED -
PLOT DATE = 6/17/2025	DATE - 06/2025	REVISED -



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

CROSS SECTIONS

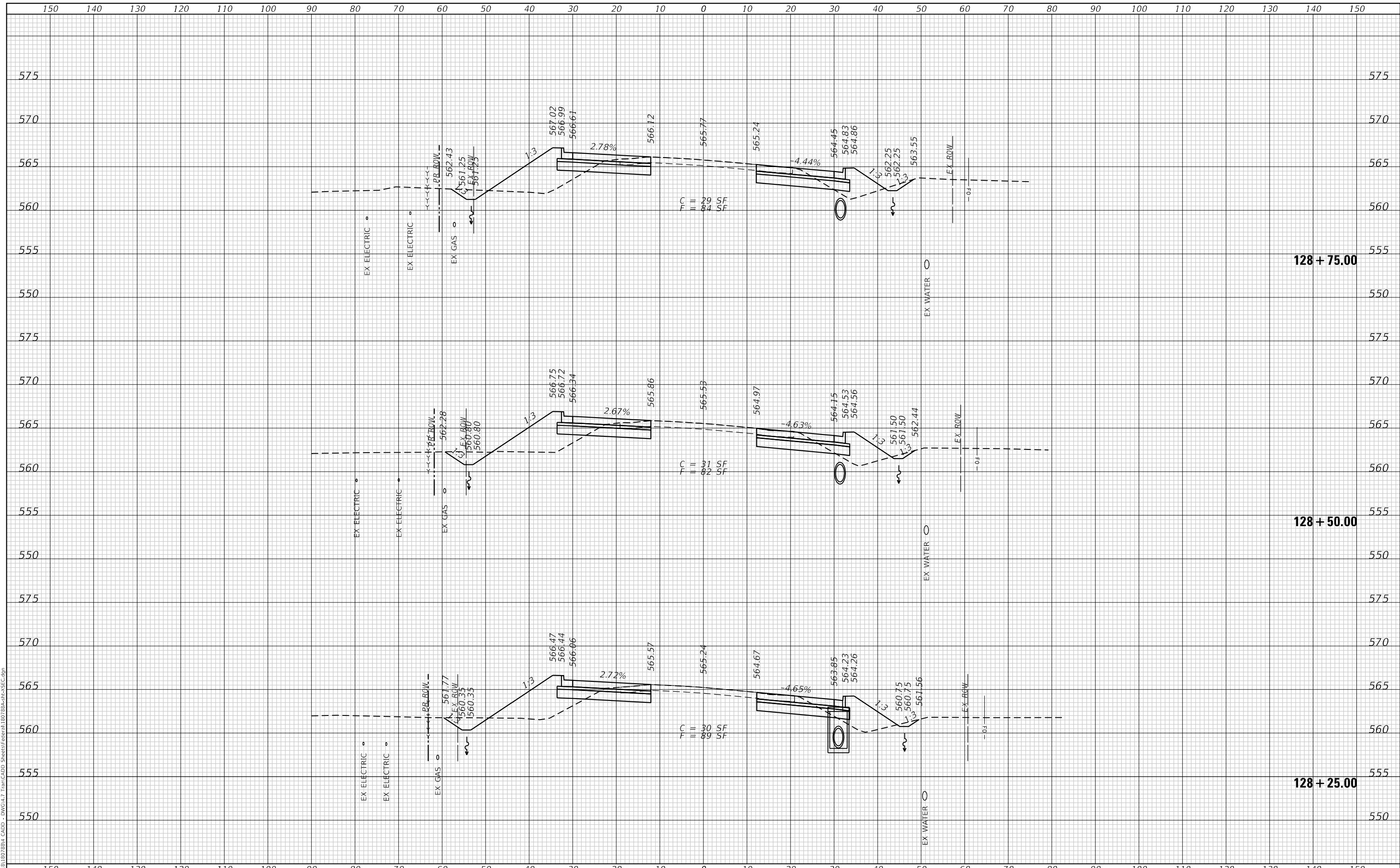
SCALE: 1"=10' SHEET 42 OF 57 SHEETS STA. 127+50.00 TO STA. 128+00.00

F.A.U. RTE. 9330	SECTION 24-00301-26-PW	COUNTY ST. CLAIR	TOTAL SHEETS 191	SHEET NO. 176
ILLINOIS FED. AID PROJECT			CONTRACT NO. 97872	

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

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

MODEL: Defnair
 FILE NAME: P:\2018\18072884_CADD - DWG-H-7 Tran-CADD_Sheet\Federal\807884-PR-CSEC.dgn



TWM
 ENGINEERING
 GEOSPATIAL SERVICES

TWM, INC.
 www.twm-inc.com
 IL DESIGN FIRM
 LICENSE NO: 184-001220

USER NAME =	efisher	DESIGNED -	EKF	REVISED -	
		DRAWN -	EKF/KDD	REVISED -	
PLOT SCALE =	20.0000' / in.	CHECKED -	JWS	REVISED -	
PLOT DATE =	6/17/2025	DATE -	06/2025	REVISED -	



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

CROSS SECTIONS

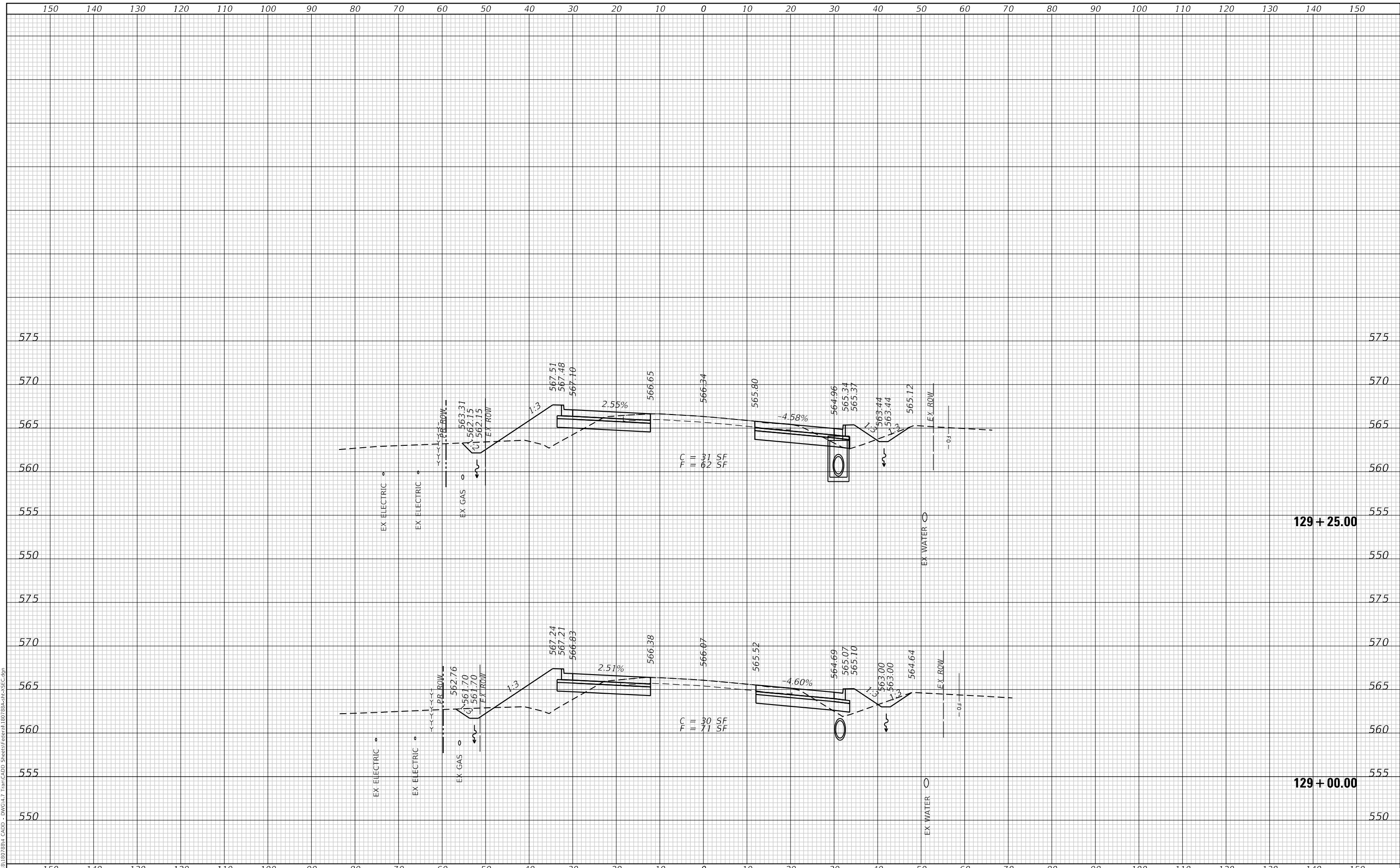
SCALE: 1"=10' SHEET 43 OF 57 SHEETS STA. 128+25.00 TO STA. 128+75.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	177
				CONTRACT NO. 97872
				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: Defnair
 FILE NAME: P:\2024\187884 CADD - DWG-H-7 Tran-CADD StreetsFederal\187884-H-7-SEC.dgn



TWM
 ENGINEERING
 GEOSPATIAL SERVICES

TWM, INC.
 www.twm-inc.com
 IL DESIGN FIRM
 LICENSE NO: 184-001220

USER NAME =	efisher	DESIGNED -	EKF	REVISED -	
		DRAWN -	EKF/KDD	REVISED -	
PLOT SCALE =	20.0000 ' / in.	CHECKED -	JWS	REVISED -	
PLOT DATE =	6/17/2025	DATE -	06/2025	REVISED -	



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

CROSS SECTIONS

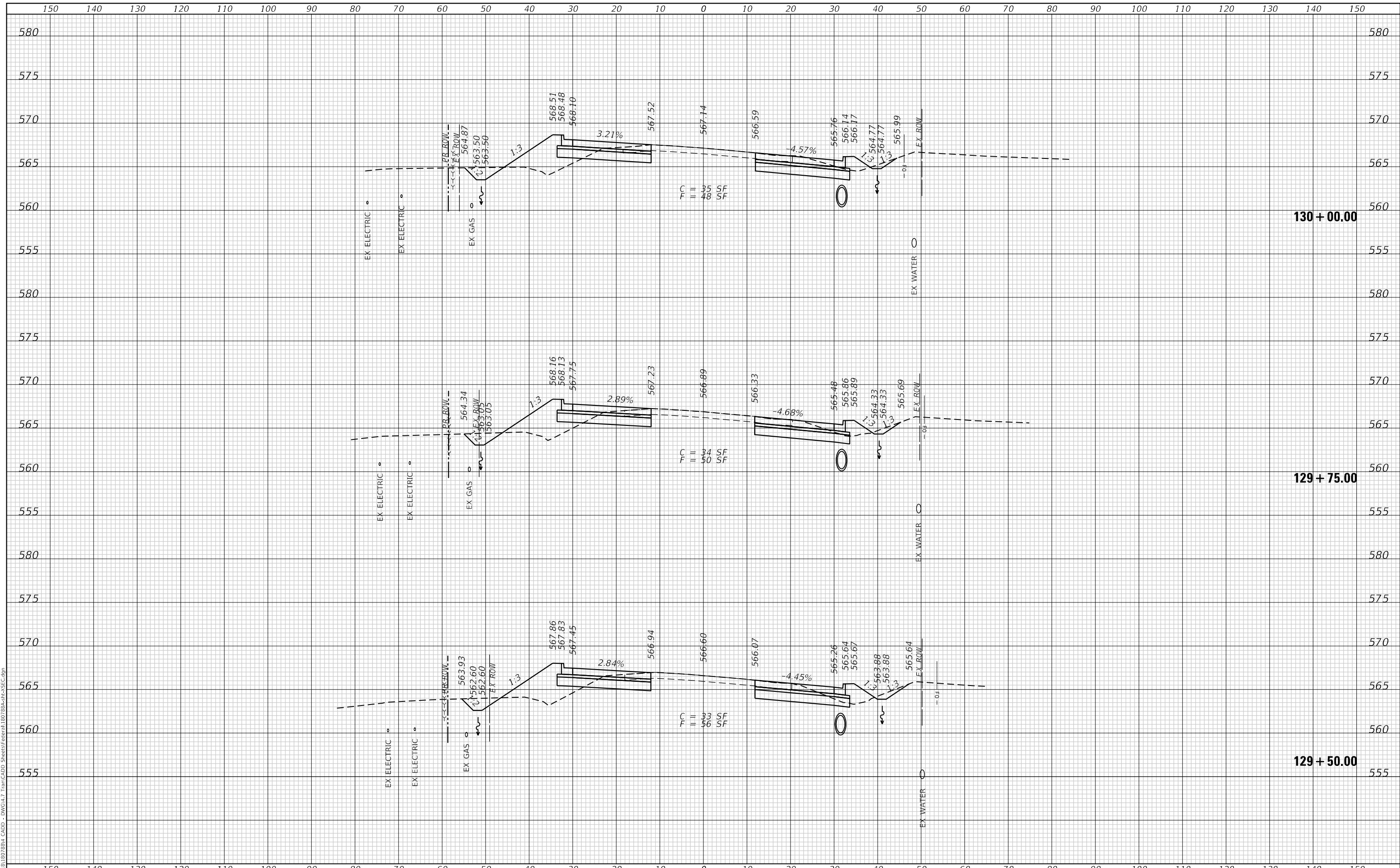
SCALE: 1"=10' SHEET 44 OF 57 SHEETS STA. 129+00.00 TO STA. 129+25.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	178
			CONTRACT NO. 97872	
		ILLINOIS	FED. AID PROJECT	

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

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

MODEL: Defnair
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TWM
 ENGINEERING
 GEOSPATIAL SERVICES

TWM, INC.
 WWW.TWM-INC.COM
 IL DESIGN FIRM
 LICENSE NO: 184-001220

USER NAME	= efisher
DESIGNED	- EKF
DRAWN	- EKF/KDD
CHECKED	- JWS
DATE	- 06/2025
PLOT SCALE	= 20.0000' / in.
PLOT DATE	= 6/17/2025

REVISED	-
REVISED	-
REVISED	-
REVISED	-



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

CROSS SECTIONS

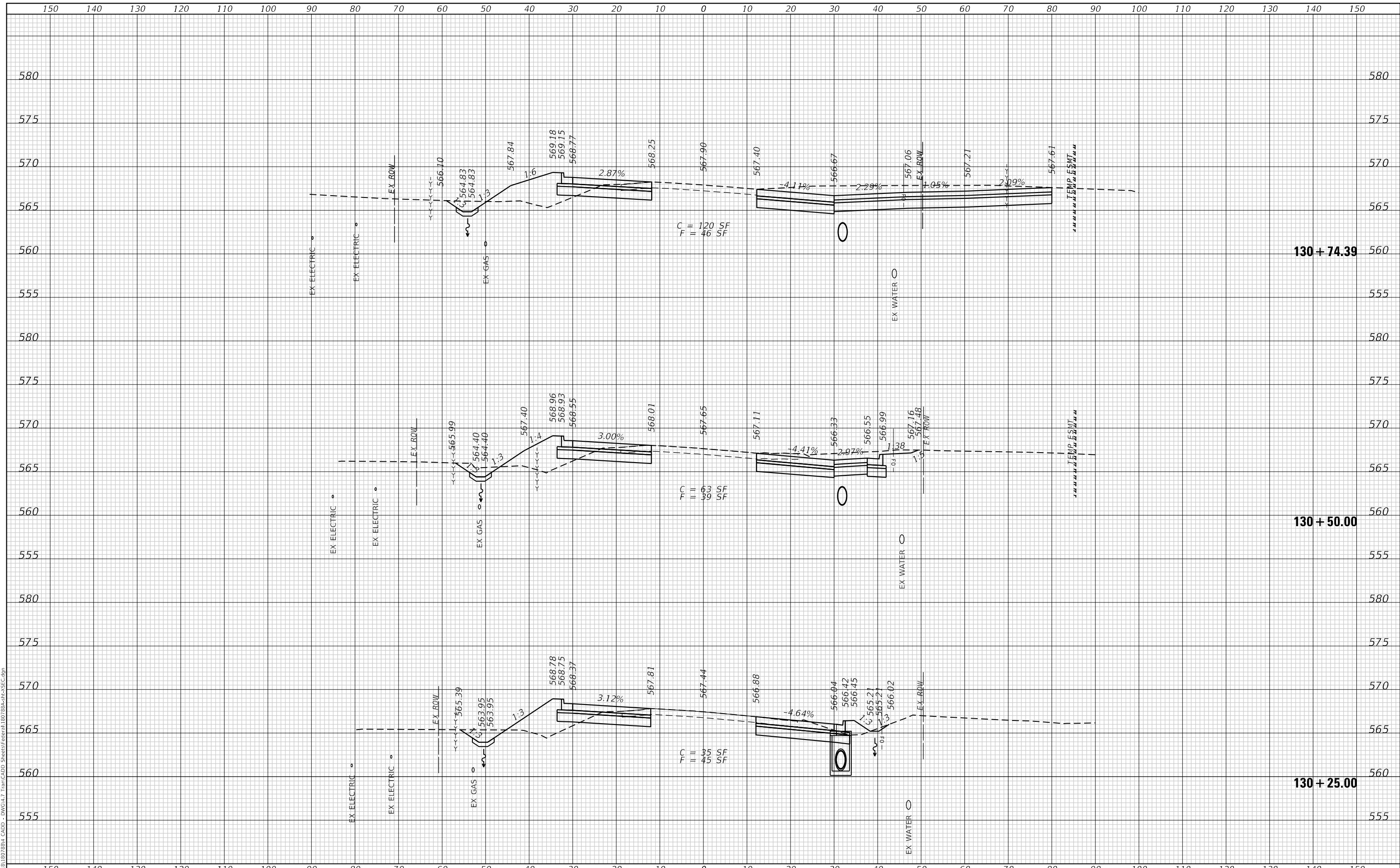
SCALE: 1"=10' SHEET 45 OF 57 SHEETS STA. 129+50.00 TO STA. 130+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	179
				CONTRACT NO. 97872
				ILLINOIS FED. AID PROJECT

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

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

MODEL: Defnair
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TWM
 ENGINEERING
 GEOSPATIAL SERVICES

TWM, INC.
 WWW.TWM-INC.COM
 IL DESIGN FIRM
 LICENSE NO: 184-001220

USER NAME =	efisher
DESIGNED -	EKF
DRAWN -	EKF/KDD
CHECKED -	JWS
DATE -	06/2025
REVISIONS	
REVISED -	
REVISED -	
REVISED -	
REVISED -	



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

CROSS SECTIONS

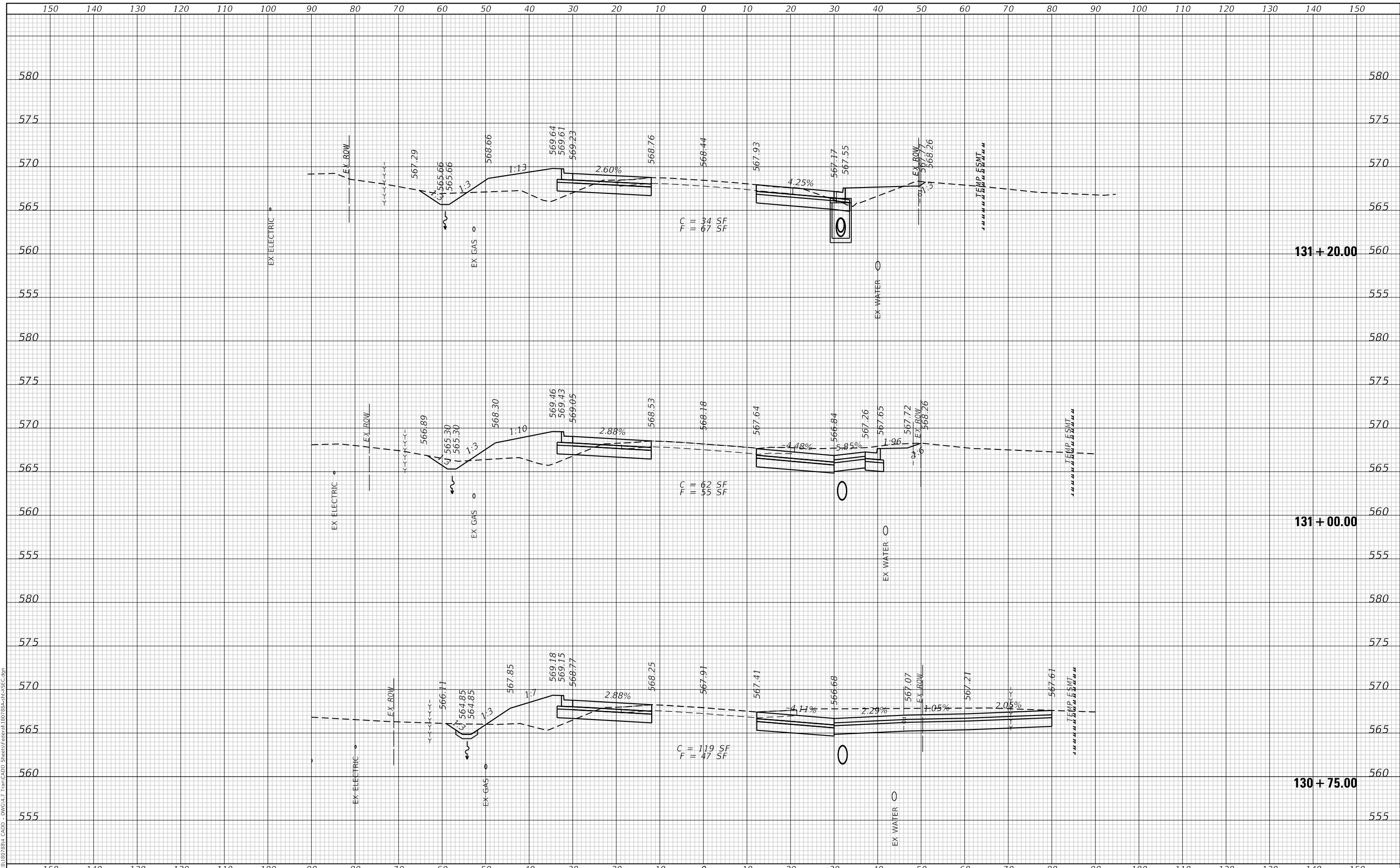
SCALE: 1"=10' SHEET 46 OF 57 SHEETS STA. 130+25.00 TO STA. 130+74.39

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	180
CONTRACT NO. 97872				
ILLINOIS		FED. AID PROJECT		

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

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

MODEL: Defnair
 FILE NAME: P:\2025\181\181788.dwg
 CADD: DWG-4.7
 Tran: CADD_Sheet\Federal\181788.dwg-SEC.dgn



TWM, INC.
 ENGINEERING GEOSPATIAL SERVICES
 WWW.TWM-INC.COM
 IL DESIGN FIRM LICENSE NO: 184-001220

USER NAME = efisher	DESIGNED - EKF	REVISED -
	DRAWN - EKF/KDD	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JWS	REVISED -
PLOT DATE = 6/17/2025	DATE - 06/2025	REVISED -



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

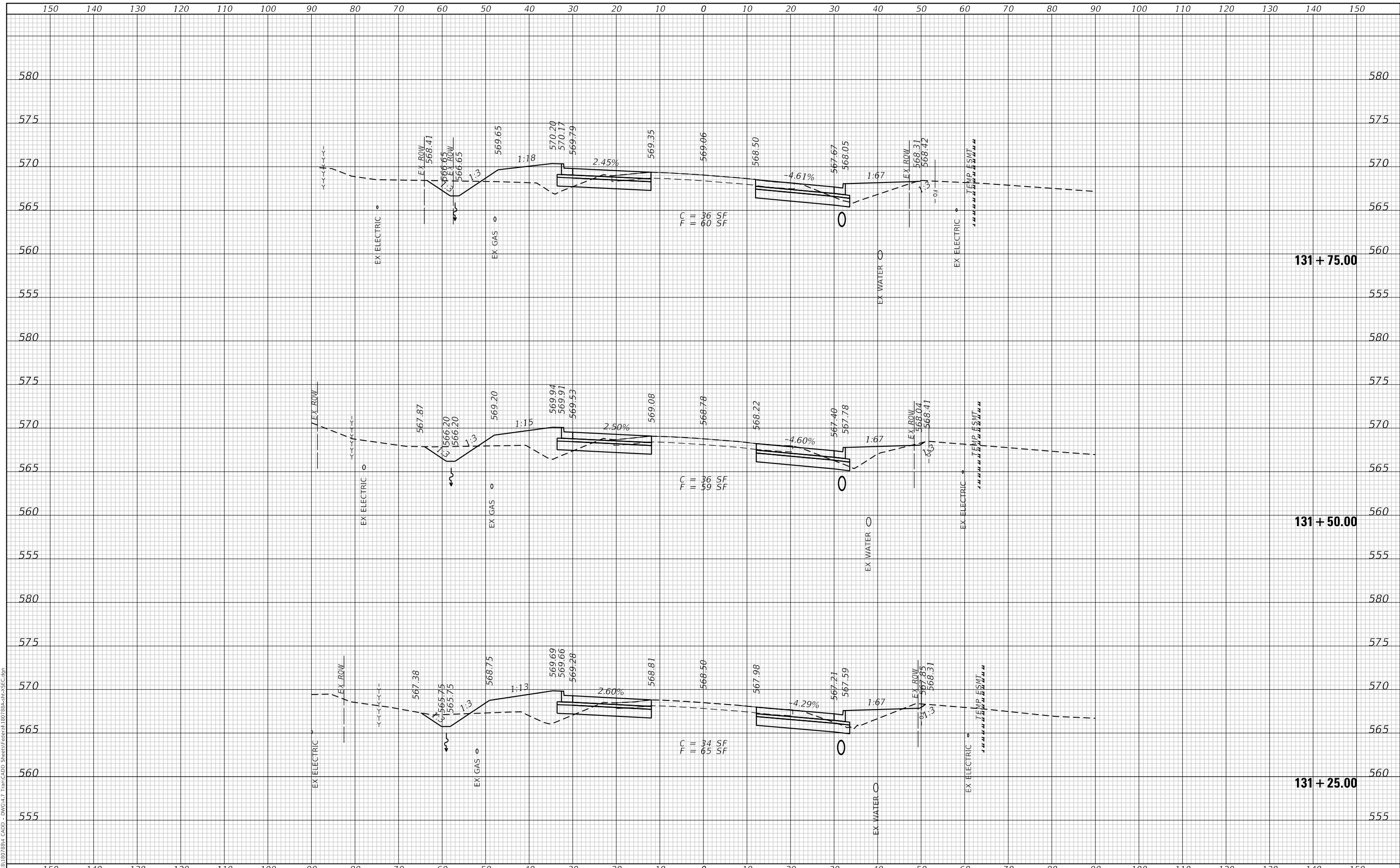
CROSS SECTIONS
 SCALE: 1"=10'
 SHEET 47 OF 57 SHEETS
 STA. 130+75.00 TO STA. 131+20.00

F.A.U. RTE. 9330	SECTION 24-00301-26-PW	COUNTY ST. CLAIR	TOTAL SHEETS 191	SHEET NO. 181
CONTRACT NO. 97872			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: Defnair
 FILE NAME: P:\2025\18180788u_CADD - DWG-H-7 Tran-CADD_Sheet\Federal\180788u-HR-CSEC.dgn



TWM
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 GEOSPATIAL SERVICES

TWM, INC.
 WWW.TWM-INC.COM
 IL DESIGN FIRM
 LICENSE NO: 184-001220

USER NAME	= efisher
DESIGNED	- EKF
DRAWN	- EKF/KDD
CHECKED	- JWS
DATE	- 06/2025
REVISIONS	
REVISED	-
REVISED	-
REVISED	-
REVISED	-



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

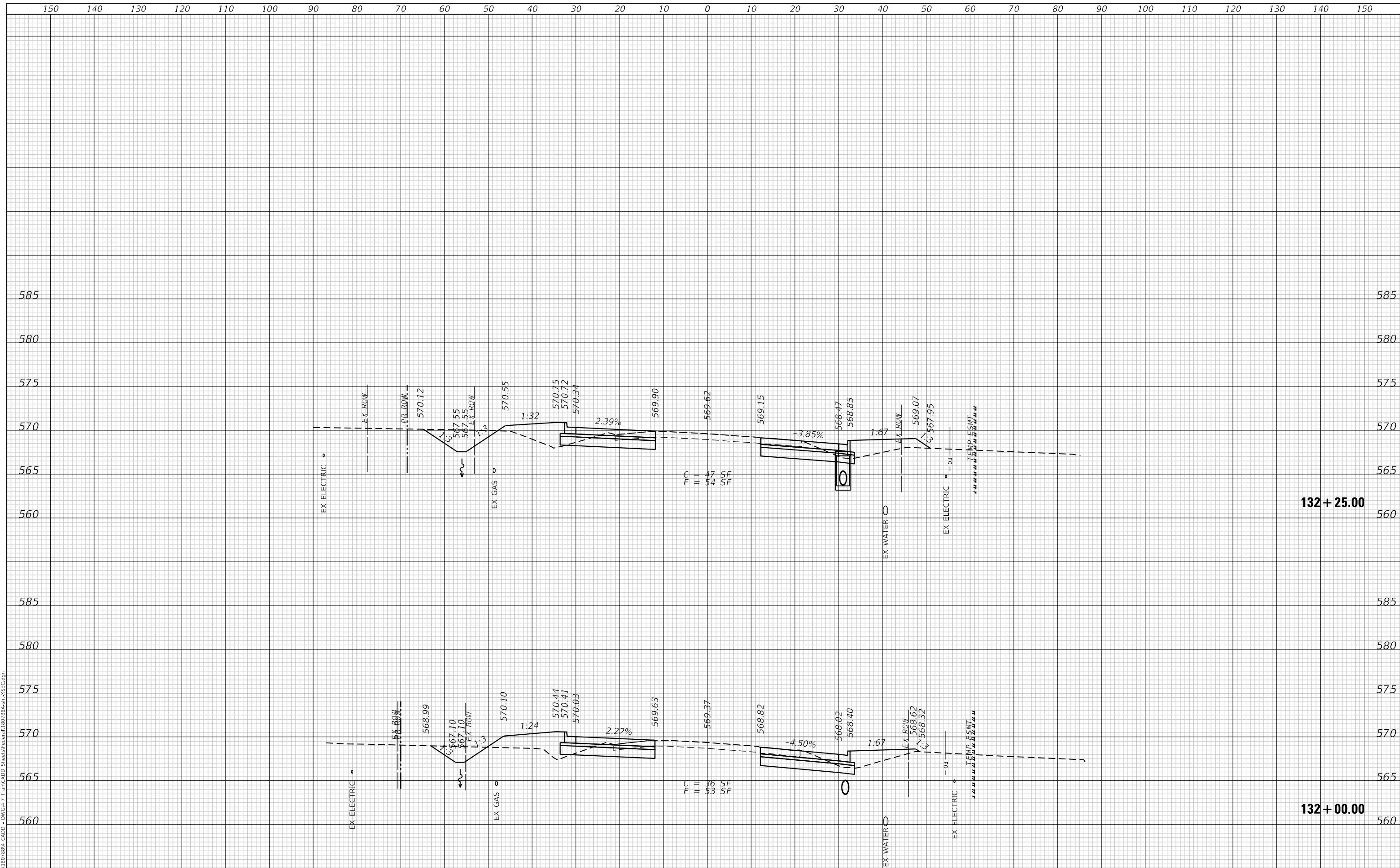
CROSS SECTIONS

SCALE: 1"=10' SHEET 48 OF 57 SHEETS STA. 131+25.00 TO STA. 131+75.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	182
CONTRACT NO. 97872				
ILLINOIS		FED. AID PROJECT		

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

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



MODEL: Defnair
 FILE NAME: P:\2025\184\184788.dwg
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 Tran: CADD: Streets\Federal\184\184-SPR-1-SEC.dgn

TWM
 ENGINEERING
 GEOSPATIAL SERVICES

TWM, INC.
 www.twm-inc.com
 IL DESIGN FIRM
 LICENSE NO: 184-001220

USER NAME	= efisher
DESIGNED	- EKF
DRAWN	- EKF/KDD
CHECKED	- JWS
DATE	- 06/2025
REVISIONS	
REVISED	-
REVISED	-
REVISED	-
REVISED	-



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

CROSS SECTIONS

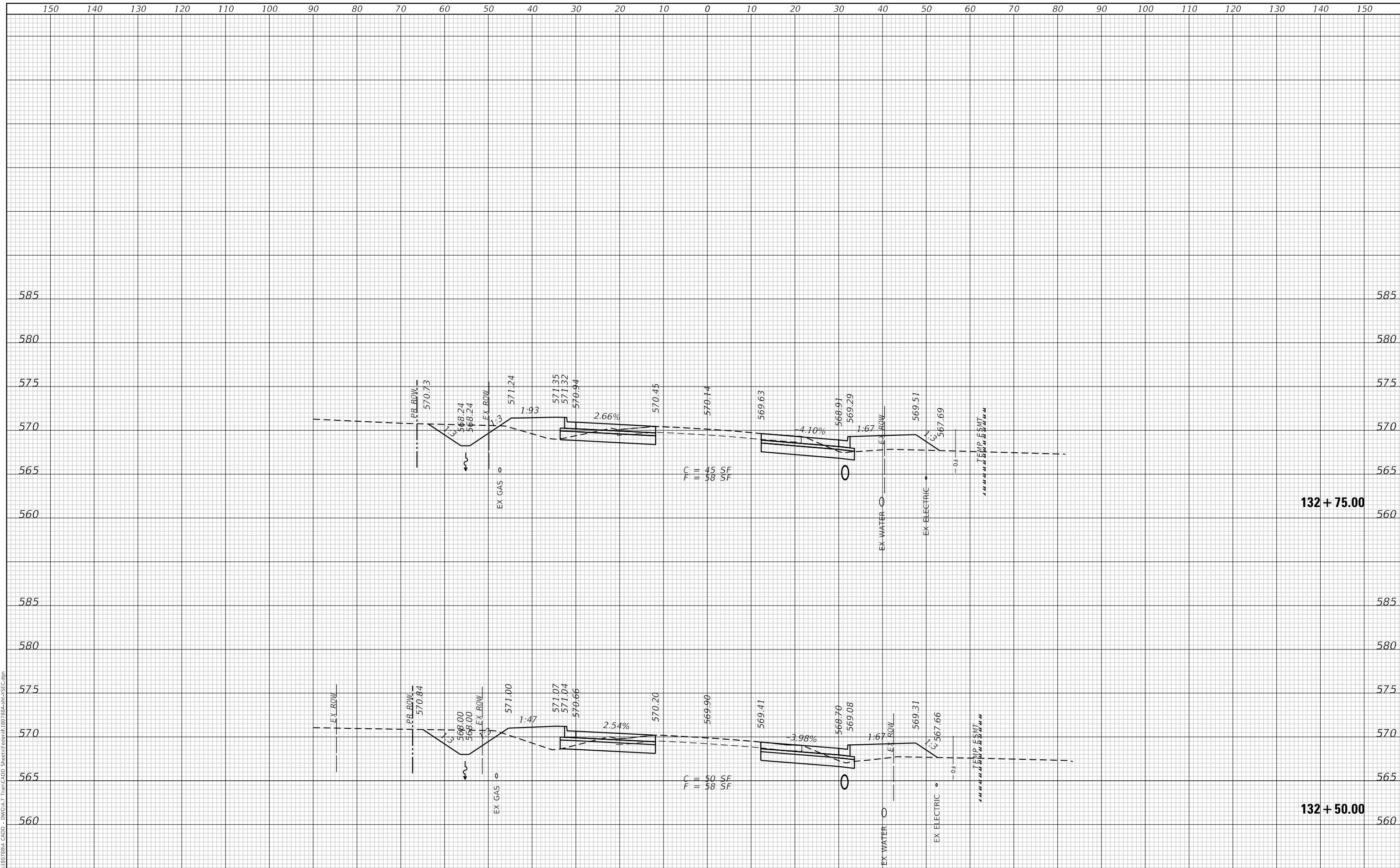
SCALE: 1"=10' SHEET 49 OF 57 SHEETS STA. 132+00.00 TO STA. 132+25.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	183
			CONTRACT NO. 97872	
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Defnair
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TWM
 ENGINEERING
 GEOSPATIAL SERVICES

TWM, INC.
 www.twm-inc.com
 IL DESIGN FIRM
 LICENSE NO: 184-001220

USER NAME	= efisher
DESIGNED	- EKF
DRAWN	- EKF/KDD
CHECKED	- JWS
DATE	- 06/2025
REVISIONS	
REVISED	-
REVISED	-
REVISED	-
REVISED	-



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

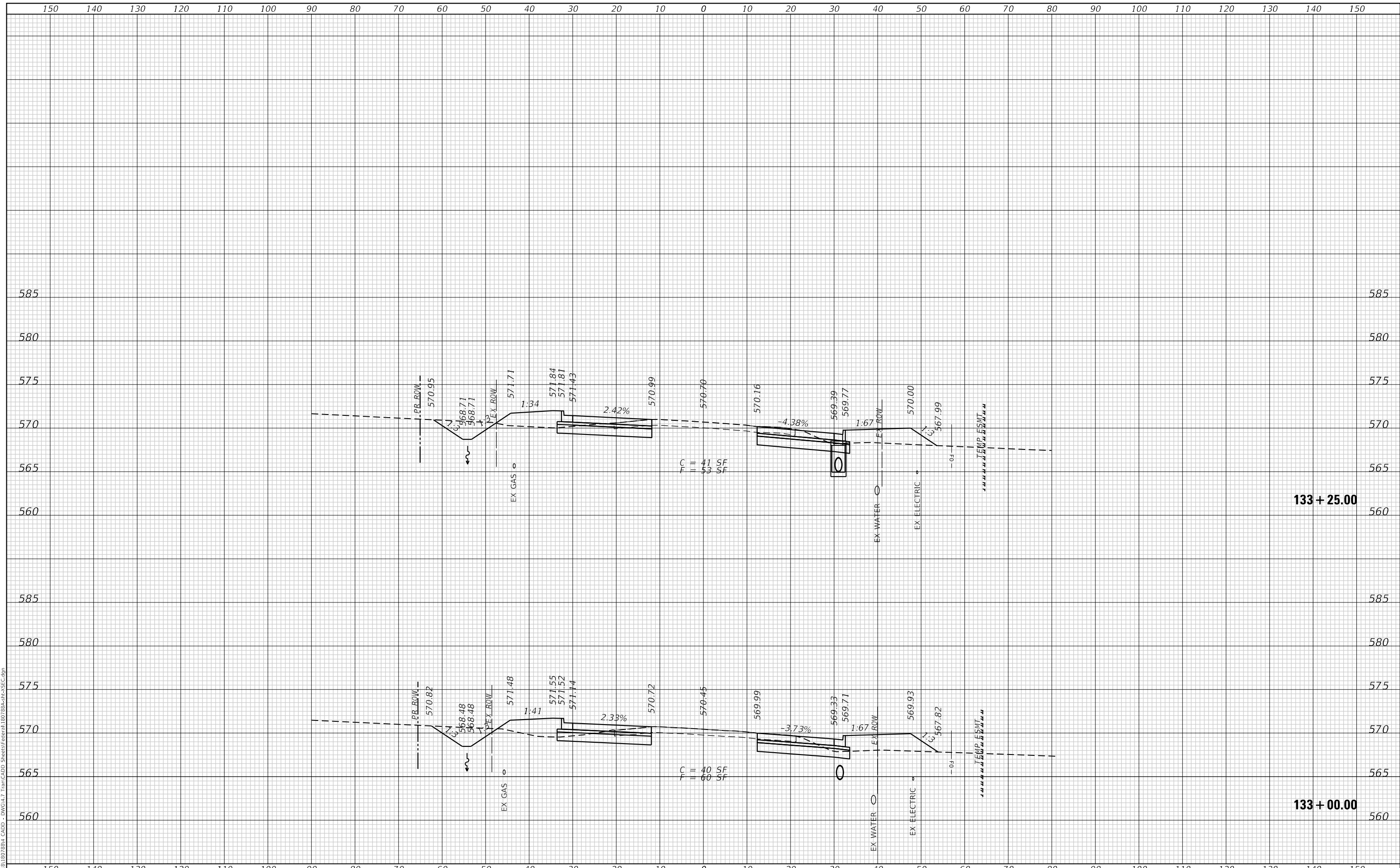
CROSS SECTIONS
 SCALE: 1"=10'
 SHEET 50 OF 57 SHEETS
 STA. 132+50.00 TO STA. 132+75.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	184
CONTRACT NO. 97872				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Defnair
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TWM
 ENGINEERING
 GEOSPATIAL SERVICES

TWM, INC.
 www.twm-inc.com
 IL DESIGN FIRM
 LICENSE NO: 184-001220

USER NAME = efisher	DESIGNED - EKF	REVISED -
	DRAWN - EKF/KDD	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JWS	REVISED -
PLOT DATE = 6/17/2025	DATE - 06/2025	REVISED -



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

CROSS SECTIONS

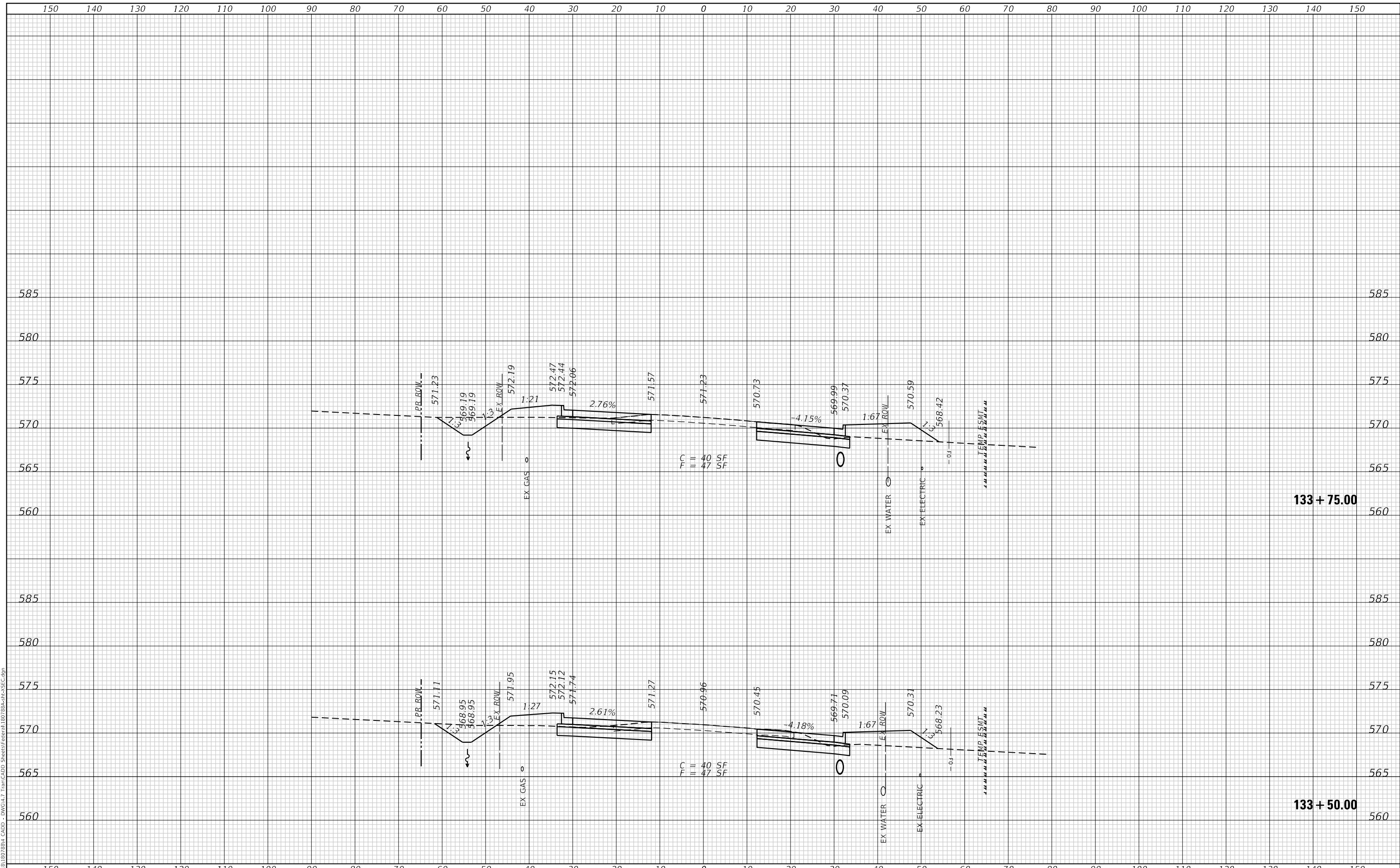
SCALE: 1"=10' SHEET 51 OF 57 SHEETS STA. 133+00.00 TO STA. 133+25.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	185
			CONTRACT NO. 97872	
			ILLINOIS FED. AID PROJECT	

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

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

MODEL: Defnair
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TWM
 ENGINEERING
 GEOSPATIAL SERVICES

TWM, INC.
 www.twm-inc.com
 IL DESIGN FIRM
 LICENSE NO: 184-001220

USER NAME = efisher	DESIGNED - EKF	REVISED -
	DRAWN - EKF/KDD	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - JWS	REVISED -
PLOT DATE = 6/17/2025	DATE - 06/2025	REVISED -



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

CROSS SECTIONS

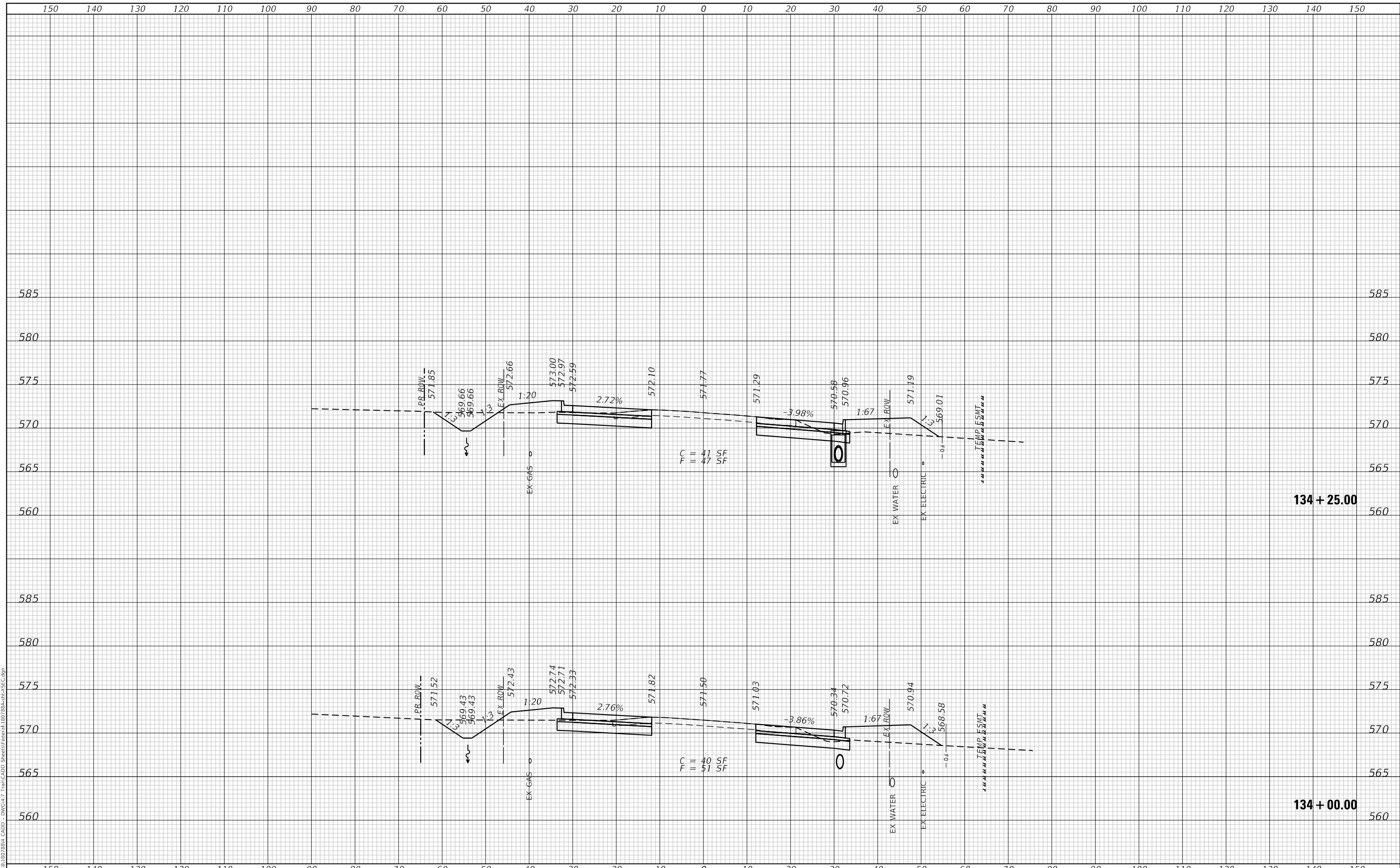
SCALE: 1"=10' SHEET 52 OF 57 SHEETS STA. 133+50.00 TO STA. 133+75.00

F.A.U. RTE. 9330	SECTION 24-00301-26-PW	COUNTY ST. CLAIR	TOTAL SHEETS 191	SHEET NO. 186
			CONTRACT NO. 97872	
			ILLINOIS FED. AID PROJECT	

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

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

MODEL: Defnair
 FILE NAME: P:\2025\18180788u CAD - DWG-H-7 Tran-CADD Streets\Federal\80788u-PC-SEC.dgn



TWM
 ENGINEERING
 GEOSPATIAL SERVICES

TWM, INC.
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 IL DESIGN FIRM
 LICENSE NO: 184-001220

USER NAME = efisher	DESIGNED - EKF	REVISED -
	DRAWN - EKF/KDD	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - JWS	REVISED -
PLOT DATE = 6/17/2025	DATE - 06/2025	REVISED -



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

CROSS SECTIONS

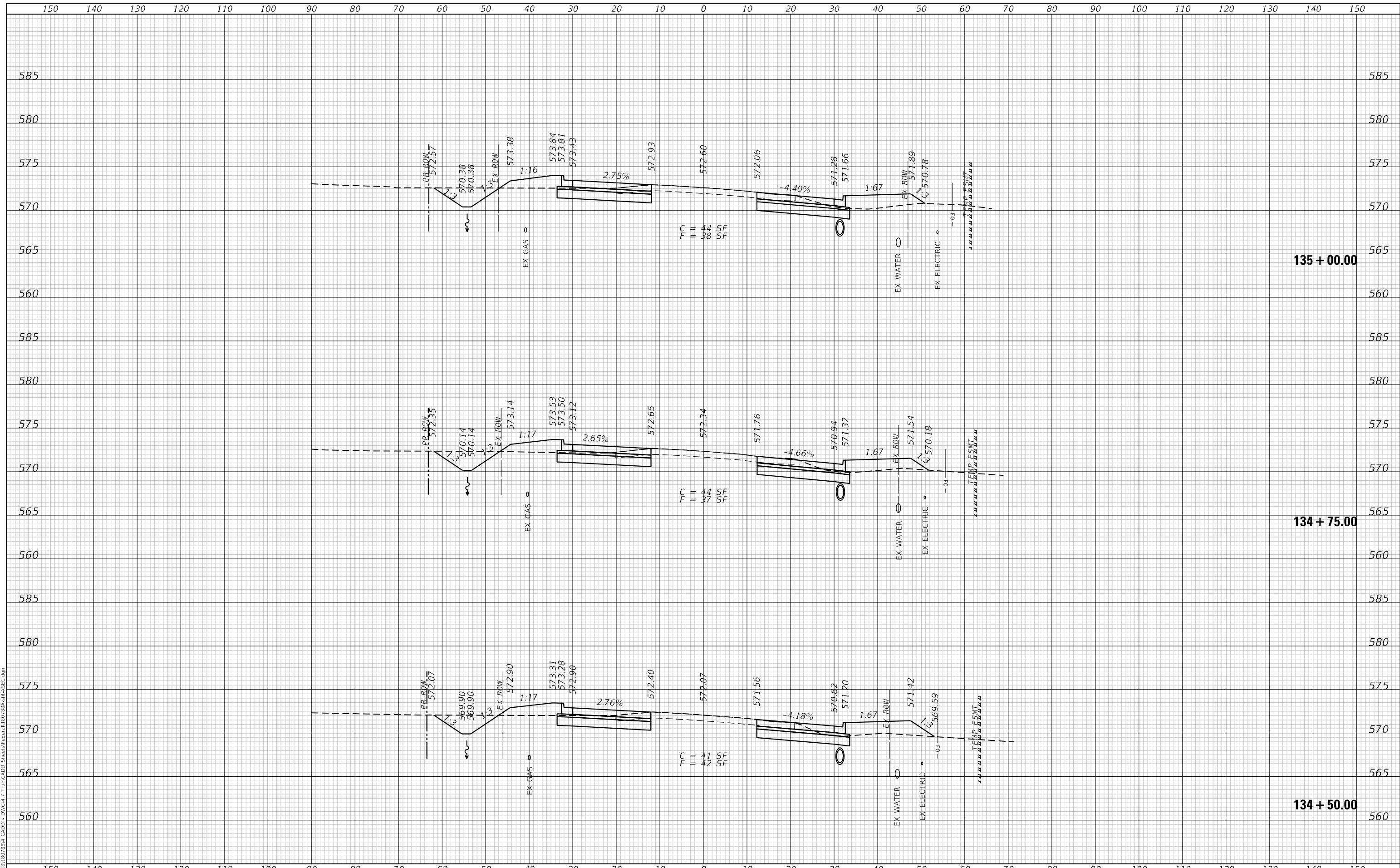
SCALE: 1"=10' SHEET 53 OF 57 SHEETS STA. 134+00.00 TO STA. 134+25.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	187
			CONTRACT NO. 97872	
			ILLINOIS FED. AID PROJECT	

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

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

MODEL: Defnair
 FILE NAME: P:\2025\187884 CADD - DWG-H-7 Tran-CADD Streets\Federal\187884-H-7-SEC.dgn



TWM
 ENGINEERING
 GEOSPATIAL SERVICES

TWM, INC.
 www.twm-inc.com
 IL DESIGN FIRM
 LICENSE NO: 184-001220

USER NAME	= efisher
DESIGNED	- EKF
DRAWN	- EKF/KDD
CHECKED	- JWS
DATE	- 06/2025
PLOT SCALE	= 20.0000' / in.
PLOT DATE	= 6/17/2025

REVISED	-
REVISED	-
REVISED	-
REVISED	-



**ST. CLAIR COUNTY DEPARTMENT
 OF ROADS AND BRIDGES**

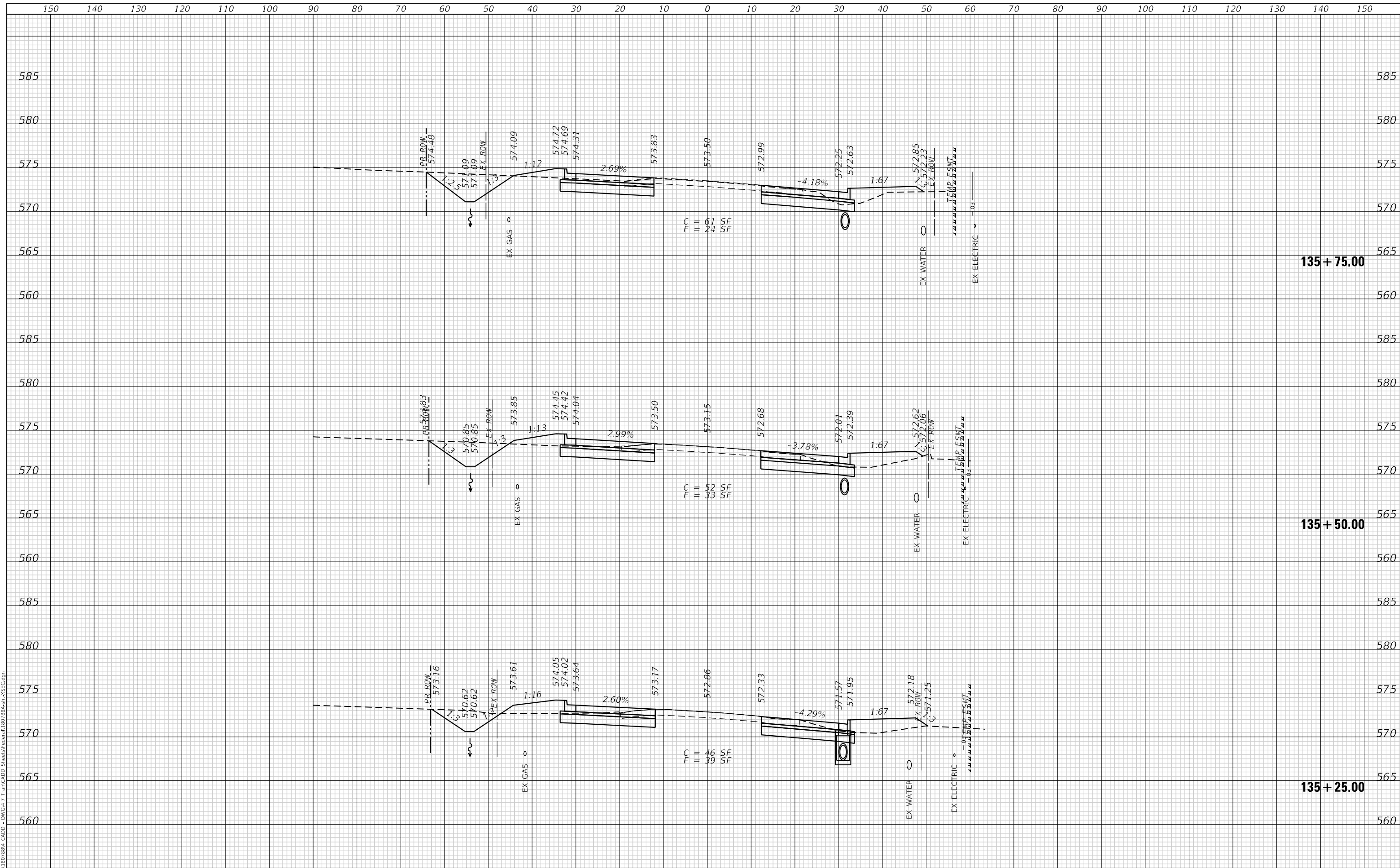
CROSS SECTIONS

SCALE: 1"=10' SHEET 54 OF 57 SHEETS STA. 134+50.00 TO STA. 135+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	188
			CONTRACT NO. 97872	
ILLINOIS FED. AID PROJECT				

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

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



MODEL: Defnair
 FILE NAME: P:\2025\184\184788.dwg
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TWM, INC.
 www.twm-inc.com
 IL DESIGN FIRM
 LICENSE NO: 184-001220

USER NAME = efisher	DESIGNED - EKF	REVISED -
	DRAWN - EKF/KDD	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JWS	REVISED -
PLOT DATE = 6/17/2025	DATE - 06/2025	REVISED -



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

CROSS SECTIONS

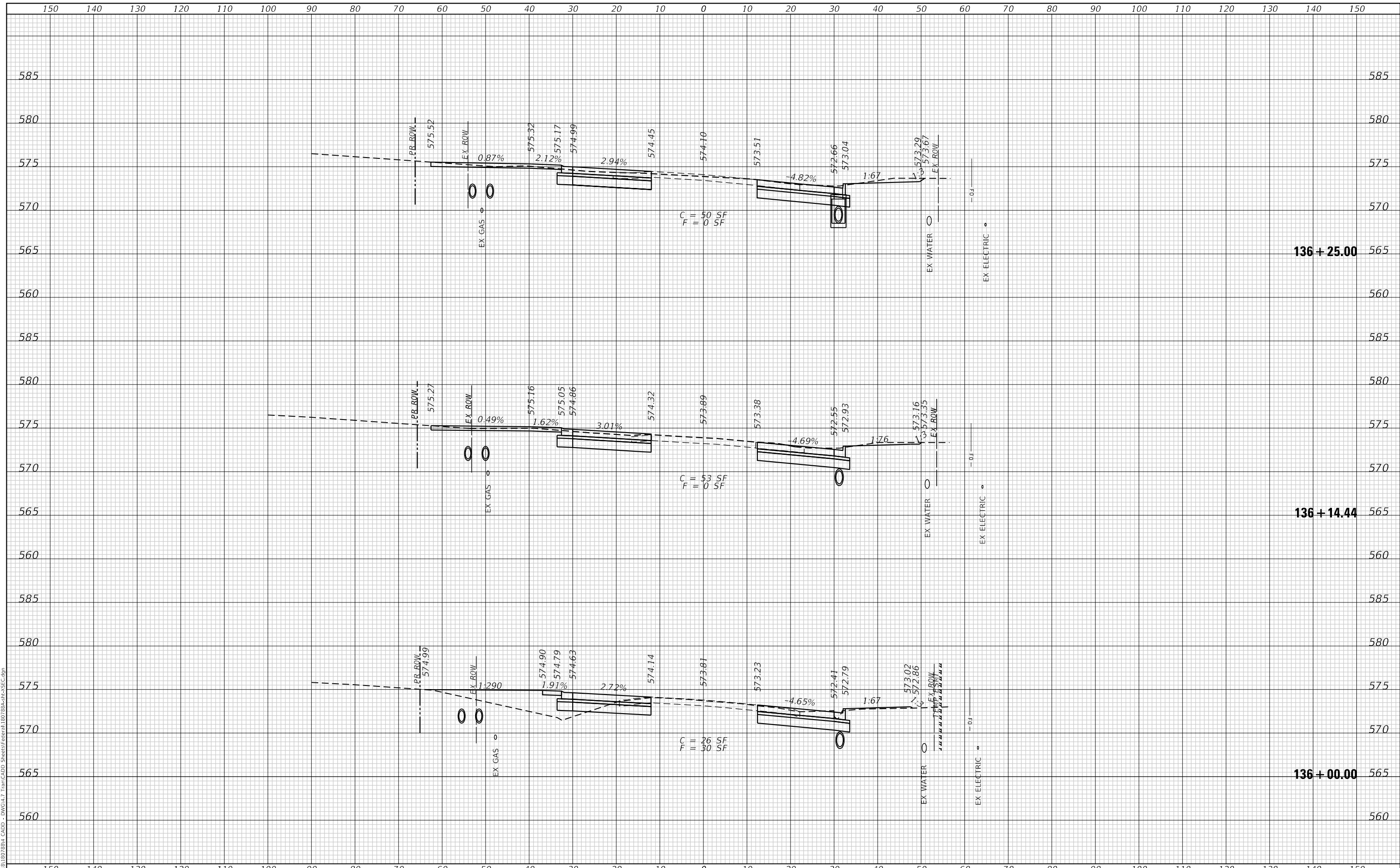
SCALE: 1"=10' SHEET 55 OF 57 SHEETS STA. 135+25.00 TO STA. 135+75.00

F.A.U. RTE. 9330	SECTION 24-00301-26-PW	COUNTY ST. CLAIR	TOTAL SHEETS 191	SHEET NO. 189
			CONTRACT NO. 97872	
		ILLINOIS	FED. AID PROJECT	

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

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

MODEL: Defnair
 FILE NAME: P:\2025\184\184788u CAD - DWG-H-7 Tran-CADD Streets\Federal\184788u-H-CSE.dgn



TWM, INC.
 ENGINEERING GEOSPATIAL SERVICES
 IL DESIGN FIRM LICENSE NO: 184-001220

USER NAME = efisher	DESIGNED - EKF	REVISED -
	DRAWN - EKF/KDD	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JWS	REVISED -
PLOT DATE = 6/17/2025	DATE - 06/2025	REVISED -



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

SCALE: 1"=10' SHEET 56 OF 57 SHEETS STA. 136+00.00 TO STA. 136+25.00

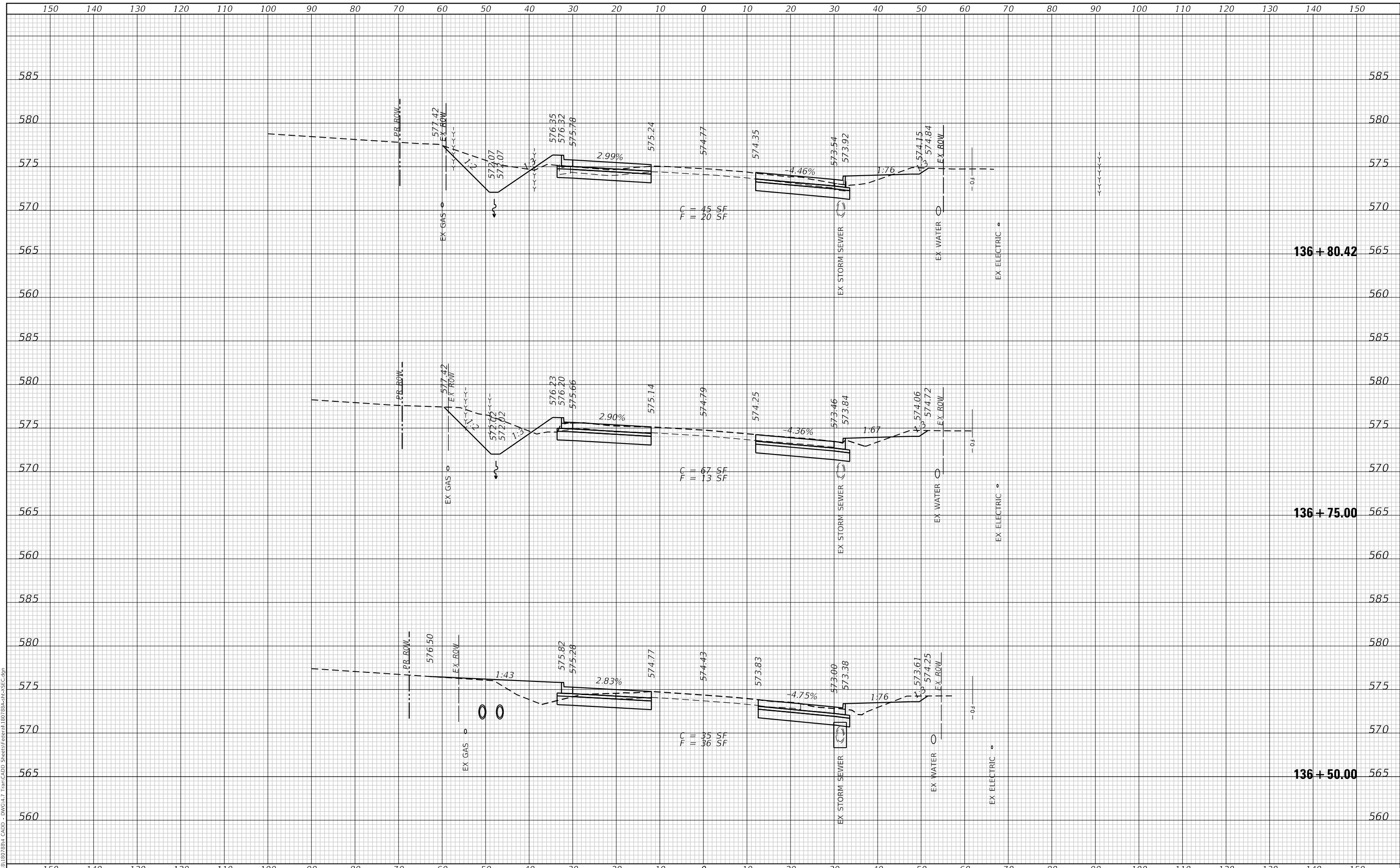
CROSS SECTIONS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	190
				CONTRACT NO. 97872
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Defnair
 FILE NAME: P:\2025\184\184788u CAD - DWG-H-7 Tran-CADD Streets\Federal\184788u-H-7-SEC.dgn



TWM, INC.
 ENGINEERING
 GEOSPATIAL SERVICES
 WWW.TWM-INC.COM
 IL DESIGN FIRM
 LICENSE NO: 184-001220

USER NAME	= efisher
DESIGNED	- EKF
DRAWN	- EKF/KDD
CHECKED	- JWS
DATE	- 06/2025
PLOT SCALE	= 20.0000' / in.
PLOT DATE	= 6/17/2025

REVISED	-
REVISED	-
REVISED	-
REVISED	-



ST. CLAIR COUNTY DEPARTMENT OF ROADS AND BRIDGES

SCALE: 1"=10' SHEET 57 OF 57 SHEETS STA. 136+50.00 TO STA. 136+80.42

CROSS SECTIONS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9330	24-00301-26-PW	ST. CLAIR	191	191
				CONTRACT NO. 97872
				ILLINOIS FED. AID PROJECT