

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
**PLANS FOR PROPOSED  
AT-GRADE RAILROAD CROSSING  
GRADE CROSSING PROTECTION FUND**

**INDEX OF SHEETS**

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**STANDARDS (IN PROPOSAL)**

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
542401-04	METAL FLARED END SECTION FOR PIPE CULVERTS
635001-02	DELINEATORS
701901-09	TRAFFIC CONTROL DEVICES
720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

**WHITES CROSSING AVENUE (TR 21) OVER I.M.R.R.  
SECTION 19-05117-00-RR  
MENARD COUNTY**



LOCATION OF SECTION INDICATED THUS: — ■ —

**FUNCTIONAL CLASSIFICATION = LOCAL ROAD**  
ADT = 25  
DESIGN SPEED = 30 MPH  
3R GUIDELINES

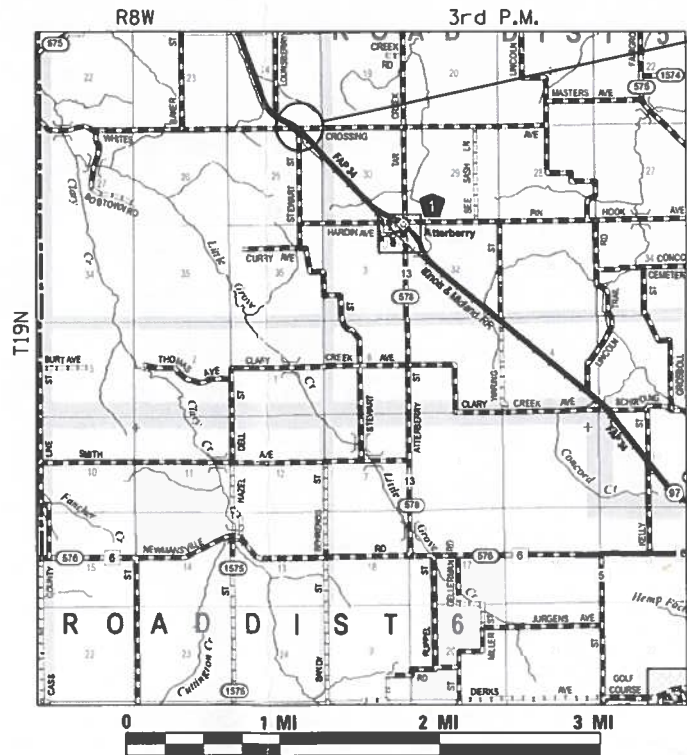
APPROVED September 3 20 24  
*[Signature]*  
COUNTY ENGINEER

APPROVED September 3 20 24  
*[Signature]*  
ROAD COMMISSIONER

PASSED September 10 20 24  
*[Signature]*  
DISTRICT SIX ENGINEER OF  
LOCAL ROADS AND STREETS

Released For Bid Based on Limited Review  
September 10 20 24  
*[Signature]*  
REGION FOUR ENGINEER

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



PROPOSED  
SECTION 19-05117-00-RR  
BEGINS STA. 503 + 50.00  
ENDS STA. 508 + 15.00 (BL A)  
BEGINS STA. 600 + 08.00  
ENDS STA. 601 + 35.04 (BL B)  
BEGINS STA. 947 + 78.31  
ENDS STA. 949 + 69.45 (IL 97)

**UTILITY COMPANIES:**

AMEREN ILLINOIS - (NORTH)  
#6 EXECUTIVE DRIVE  
COLLINSVILLE, IL 62234  
PHONE: (618)-301-5327  
CONTACT: NATHAN HILL

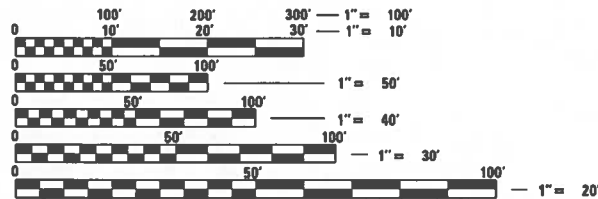
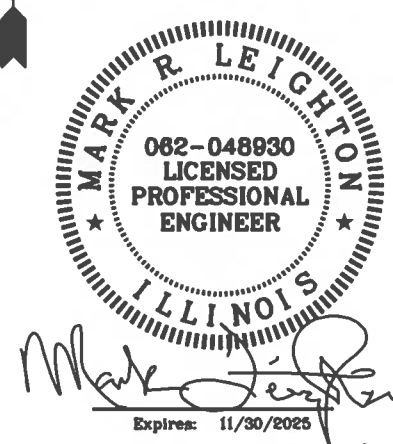
ATT/DISTRIBUTION  
1000 COMMERCE DRIVE  
OAK BROOK, ILLINOIS 60523  
CONTACT: G11629@ATT.COM

MENARD ELECTRIC COOP  
14300 STATE HWY 97  
PETERSBURG, IL 62675  
PHONE: (217)-632-7746  
CONTACT: BRADY SMITH

**LOCATION MAP**

NET LENGTH OF BL A =	465.00	FEET	(0.088 MI)
NET LENGTH OF BL B =	127.04	FEET	(0.024 MI)
NET LENGTH =	592.04	FEET	(0.112 MI)

THIS WORK CONSISTS OF CONSTRUCTING A RELOCATED AT-GRADE RAILROAD CROSSING PERPENDICULAR TO ILLINOIS MIDLAND RAILROAD AND IL 97 THAT INCLUDES ROADWAY GEOMETRICS AND DRAINAGE IMPROVEMENTS ALONG WITH INCIDENTAL WORK.



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 811

**PROJECT MANAGER: MARK R. LEIGHTON, P.E., P.L.S.**



**GENERAL NOTES**

- EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.
- ALL ELEVATIONS ARE BASED ON NAVD 88-DATUM.
- WHERE PERMANENT SURVEY MARKERS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE DISTURBED. THE CONTRACTOR SHALL PROTECT AND PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER AND AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THE LOCATION.
- ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF CONTRACT ITEMS INVOLVED.
- THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED. UNLESS ELEVATIONS ARE SHOWN. ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.
- THE FOLLOWING APPLICATION RATES HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:  
 AGGREGATE BASE COURSE: 2.05 TONS/CU YD  
 BITUMINOUS MATERIALS (PRIME COAT): 0.25 LB/SQ FT  
 BITUMINOUS MATERIALS (TACK COAT): 0.025 LB/SQ FT  
 HOT-MIX ASPHALT: 112 LBS/SQ YD/IN  
 TEMPORARY EROSION CONTROL SEEDING: 100 LB/ACRE  
 RIPRAP: 1.50 TONS/CU YD
- THE CONTRACTOR'S OPERATIONS AND TEMPORARY STORAGE ACTIVITIES SHALL BE LIMITED TO THE WORK AREA AND/OR CONSTRUCTION LIMITS. ANY ADDITIONAL STAGING AREAS ADJACENT TO THE PROJECT AREA ARE SUBJECT TO PRIOR APPROVAL BY THE ENGINEER AND MUST NOT CONFLICT WITH EXISTING SIDE ROADS, INTERSECTIONS, DRIVEWAYS, OR DRAINAGE. ALL OPERATIONS SHALL BE SUBJECT TO REGULATORY REQUIREMENTS PERMITTED FOR THIS PROJECT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR FOR COMPLIANCE WITH THE ABOVE REQUIREMENTS.
- DISTURBED AREAS SHALL RECEIVE PERMANENT STABILIZATION WITHIN 7 DAYS OF COMPLETION OF CONSTRUCTION ACTIVITIES. TEMPORARY STABILIZATION OF WORK AREAS IS REQUIRED FOR ALL AREAS REMAINING UNDISTURBED FOR 14 DAYS, UNLESS WORK RESUMES PRIOR TO 21 DAYS. TEMPORARY STABILIZATION MUST BE APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL USE CARE IN ALL REMOVAL ACTIVITIES NEAR ALL EXISTING ITEMS WHICH WILL REMAIN. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.
- THE CONTRACTOR SHALL RELOCATE OR REMOVE AND REPLACE ALL SIGNS THAT INTERFERE WITH THE CONSTRUCTION OPERATIONS AND TEMPORARILY RESET ALL SUCH SIGNS DURING ALL STAGES OF CONSTRUCTION AS DIRECTED BY THE ENGINEER. THE ENGINEER WILL DETERMINE THE PERMANENT LOCATION FOR EXISTING SIGNS TO BE RE-ERECTED.
- CONTRACTOR SHALL FOLLOW CONSTRUCTION REQUIREMENTS OF SECTION 611 WHEN EXISTING FIELD TILE IS ENCOUNTERED. ALL FIELD TILES ENCOUNTERED SHALL BE CAREFULLY PRESERVED, REPAIRED AND CONNECTED TO THE PROPOSED DRAINAGE STRUCTURES, SEWERS OR DITCHES AS DIRECTED BY THE ENGINEER. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE VARIOUS DRAINAGE ITEMS OR AS DIRECTED BY THE ENGINEER.
- EMBANKMENTS ON HILLSIDES OR SLOPES SHALL BE CONSTRUCTED ACCORDING TO ARTICLE 205.03.
- CONTRACTOR SHALL INSTALL ALL EROSION CONTROL MEASURES PRIOR TO STARTING ANY OTHER CONSTRUCTION WORK AT SITE.

**GENERAL NOTES (CONT'D)**

- THE CONTRACTOR SHALL VERIFY THE LENGTH OF REQUIRED PIPE CULVERTS PRIOR TO ORDERING.
- BITUMINOUS ROADWAY SURFACE TO BE REMOVED WILL BE INCLUDED IN EARTH EXCAVATION QUANTITY.

**IMRR/G&W RAILROAD GENERAL NOTES**

- CONTRACTOR TO NOTIFY G&W PUBLIC PROJECTS DEPARTMENT 30 DAYS PRIOR TO STARTING CONSTRUCTION.
- G&W FLAGGING SERVICES WILL BE REQUIRED FOR ALL WORK WITHIN G&W RIGHT-OF-WAY OR ANY WORK THAT HAS A "POTENTIAL TO FOUL".
- THE CONTRACTOR MUST NOT USE THE RAILROAD RIGHT OF WAY FOR STORAGE OF MATERIALS OR EQUIPMENT DURING CONSTRUCTION. THE RAILROAD RIGHT OF WAY MUST REMAIN CLEAR AT ALL TIMES. THE CONTRACTOR MUST PLAN AND PERFORM THE WORK IN A MANNER SUCH THAT THE RAILROAD TRACKS AT THE PROJECT LOCATION REMAIN FULLY CAPABLE OF OPERATING RAIL TRAFFIC THROUGHOUT THE WORK PERIOD AND RAIL TRAFFIC IS NOT DELAYED OR OTHERWISE IMPACTED DUE TO THE WORK BEING PERFORMED.
- ALL WORK PERFORMED ON, ABOVE OR ADJACENT TO RAILROAD PROPERTY SHALL BE IN ACCORDANCE WITH TO THE PUBLIC PROJECT MANUAL, CURRENT EDITION. WORK PLANS SHALL BE SUBMITTED FOR REVIEW TO THE RAILROAD FOR ACCESS, SOIL AND WATER MANAGEMENT, BALLAST PROTECTION, EXCAVATION, HOISTING, DEMOLITION, AND ALL OTHER WORK THAT PRESENTS THE POTENTIAL TO AFFECT RAILROAD PROPERTY OR OPERATIONS. ALL WORK PLANS SHALL BE PREPARED AND SUBMITTED TO THE RAILROAD IN ADHERENCE WITH THE PUBLIC PROJECT MANUAL, SECTION 1.11 CONSTRUCTION SUBMISSION CRITERIA.
- THE CONTRACTOR WILL BE REQUIRED TO REACH OUT TO G&W REAL ESTATE FOR A ROE APPLICATION AND AGREEMENT FOR WORK TO TAKE PLACE ON THE G&W ROW.  
 HERE IS THE WEBSITE FOR ROE INFORMATION: [HTTPS://WWW.GWRR.COM/REAL\\_ESTATE/ACCESSING\\_PROPERTY](https://www.gwrr.com/real_estate/accessing_property)
- THE CONTRACTOR AND THE AGENCY MUST PROVIDE INSURANCE TO THE RAILROAD AS WILL BE DETERMINED AT THIS LOCATION BASED ON THE SCOPE OF IMPACT PER SECTION 1.06 OF THE RAILROAD PUBLIC PROJECT MANUAL (PPM).
- PIPELINE CONSTRUCTION UNDER RAILROAD SHALL BE DONE IN ACCORDANCE TO RAILROAD PUBLIC PROJECT MANUAL (PPM), LAST REVISED APRIL 2019.
- TEMPORARY CONSTRUCTION CLEARANCE - ENSURE ALL FALSEWORK, BRACING OR FORMS HAVE A MINIMUM HORIZONTAL CLEARANCE OF 12 FEET MEASURED PERPENDICULAR TO THE CENTERLINE OF THE NEAREST TRACK.
- MEANS AND METHODS - THE CONTRACTOR SHALL DEVELOP A DETAILED SUBMISSION INDICATING THE PROGRESSION OF WORK WITH SPECIFIC TIMES WHEN TASKS WILL BE PERFORMED FOR WORK ACTIVITIES THAT ARE ON OR IN THE VICINITY OF THE RAILROAD PROPERTY. THIS SUBMISSION MAY REQUIRE A WALKTHROUGH AT WHICH TIME RAILROAD AND/OR THE REPRESENTATIVE WILL BE PRESENT. WORK WILL NOT BE PERMITTED TO COMMENCE UNTIL THE CONTRACTOR HAS PROVIDED RAILROAD WITH A SATISFACTORY PLAN THAT THE PROJECT WILL BE UNDERTAKEN WITHOUT SCHEDULING, PERFORMANCE OR SAFETY RELATED ISSUES. PROVIDE A LISTING OF THE ANTICIPATED EQUIPMENT TO BE USED, THE LOCATION OF ALL EQUIPMENT TO BE USED AND ENSURE A CONTINGENCY PLAN OF ACTION IS IN PLACE SHOULD A PRIMARY PIECE OF EQUIPMENT MALFUNCTION. ALL WORK IN THE VICINITY OF RAILROAD PROPERTY THAT HAS THE POTENTIAL OF AFFECTING RAILROAD TRAIN OPERATIONS MUST BE SUBMITTED AND APPROVED BY RAILROAD PRIOR TO WORK BEING PERFORMED. THIS SUBMISSION WILL ALSO INCLUDE A DETAILED NARRATIVE DISCUSSING THE COORDINATION OF PROJECT SAFETY ISSUES BETWEEN CONTRACTOR, RAILROAD AND THE REPRESENTATIVE. THE NARRATIVE SHALL ADDRESS PROJECT LEVEL COORDINATION AND DAY TO DAY, SPECIFIC WORK OPERATIONS INCLUDING CRANE AND EQUIPMENT OPERATIONS, ERECTION PLANS AND TEMPORARY WORKS.
- ERECTION PROCEDURES, EXCAVATION AND SHORING PROCEDURES ARE REQUIRED TO BE SUBMITTED TO RAILROAD, OR THE REPRESENTATIVE, IN ACCORDANCE WITH THE RAILROAD PUBLIC PROJECT MANUAL

**IMRR/G&W RAILROAD GENERAL NOTES (CONT'D)**

- PREPARATION OF SUBMISSIONS, AS IT CONTAINS SPECIFIC REQUIREMENTS THAT COULD IMPACT THE CONTRACTOR'S MATERIAL SELECTION AND METHODS OR OPERATIONS FOR WORK NEAR THE RAILROAD. REVISIONS TO CONTRACTOR SUBMISSIONS MAY NOT BE FIELD APPROVED. ANY DEVIATION(S) FROM A PREVIOUSLY ACCEPTED PLAN INCLUDING EQUIPMENT SUBSTITUTIONS WILL REQUIRE A FORMAL RESUBMISSION OF THE PROCEDURE FOR REVIEW AND ACCEPTANCE PRIOR TO PERFORMING ANY WORK. A PROFESSIONAL ENGINEER IN THE STATE IN WHICH THE WORK IS PERFORMED MUST SIGN AND SEAL THE PLANS.
- CONSTRUCTION SCHEDULE - SUBMIT A DETAILED CONSTRUCTION SCHEDULE FOR THE DURATION OF THE PROJECT CLEARLY INDICATING THE TIME PERIODS WHILE WORKING ON AND AROUND RAILROAD RIGHT-OF-WAY. AS THE WORK PROGRESSES, THIS SCHEDULE SHALL BE UPDATED AND RESUBMITTED AS NECESSARY TO REFLECT CHANGES IN WORK SEQUENCE, DURATION AND METHOD, ETC.
  - EMERGENCY ACTION PLAN - SUBMIT AN EMERGENCY ACTION PLAN INDICATING THE LOCATION OF THE SITE, CONTACT NUMBERS, ACCESS TO THE SITE, INSTRUCTIONS FOR EMERGENCY RESPONSE AND LOCATION OF THE NEAREST HOSPITALS. THIS PLAN SHOULD COVER ALL ITEMS REQUIRED IN THE EVENT OF AN EMERGENCY AT THE SITE INCLUDING FIRE SUPPRESSION. COORDINATE THE EMERGENCY ACTION PLAN WITH THE SAFETY RELATED DISCUSSION OF THE MEANS AND METHODS SUBMISSION DISCUSSED ABOVE. THE PLAN SHOULD ALSO INCLUDE A METHOD TO PROVIDE THIS INFORMATION TO EACH PROJECT WORKER FOR EACH DAY ON SITE.
  - THE CONTRACTOR MUST ENSURE THAT PROPER EROSION CONTROL IS IMPLEMENTED ON AND ADJACENT TO RAILROAD RIGHT-OF-WAY DURING CONSTRUCTION. THE CONTRACTOR MUST PREVENT SILT AND DEBRIS ACCUMULATION IN THE RAILROAD ROADBED, DITCHES AND OTHER RAILROAD FACILITIES. THE CONTRACTOR MAY BE REQUIRED TO SUBMIT A DETAILED EROSION CONTROL PLAN FOR REVIEW AND ACCEPTANCE BY RAILROAD OR THEIR REPRESENTATIVE PRIOR TO PERFORMING ANY WORK.
  - CONTRACTOR ACCESS WILL BE LIMITED TO THE IMMEDIATE PROJECT AREA ONLY. THE RAILROAD RIGHT-OF-WAY OUTSIDE THE PROJECT AREA MAY NOT BE USED FOR CONTRACTOR ACCESS TO THE PROJECT SITE AND NO TEMPORARY AT-GRADE CROSSINGS WILL BE ALLOWED WITHOUT WRITTEN APPROVAL FROM RAILROAD.
  - THE CONTRACTOR MAY NOT USE RAILROAD RIGHT-OF-WAY FOR STORAGE OF MATERIALS OR EQUIPMENT DURING CONSTRUCTION WITHOUT PRIOR RAILROAD APPROVAL. THE RAILROAD RIGHT-OF-WAY MUST REMAIN CLEAR FOR RAILROAD USE AT ALL TIMES. EQUIPMENT MAY NOT BE POSITIONED TO BLOCK THE RAILROAD ACCESS ROAD, TRACK AREA OR ANY PART OF THE RAILROAD RIGHT-OF-WAY WITHOUT PRIOR RAILROAD APPROVAL.

**COMMITMENTS**

- THIS PROJECT HAS NO COMMITMENTS.

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design firm  
no. 184001036  
**whks**  
engineers + planners + land surveyors

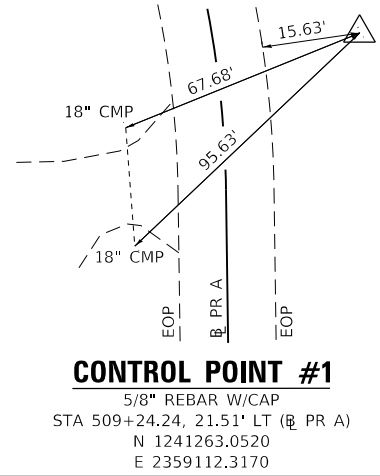
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	DRAWN - GSJ	REVISED -
PLOT SCALE = 1200,0000 ' / ft.	CHECKED - MRL	REVISED -
PLOT DATE = 8/28/2024	DATE - 8/28/2024	REVISED -

**MENARD COUNTY HIGHWAY DEPARTMENT**

**GENERAL NOTES AND COMMITMENTS**  
**WHITES CROSSING AVENUE**

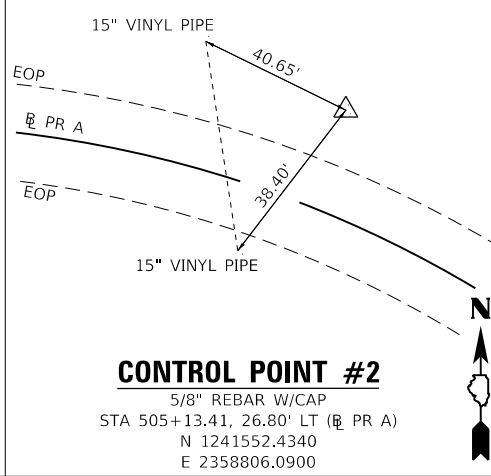
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T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21	19-051117-00-RR	MENARD	43	2
CONTRACT NO.				
		ILLINOIS	FED. AID PROJECT	



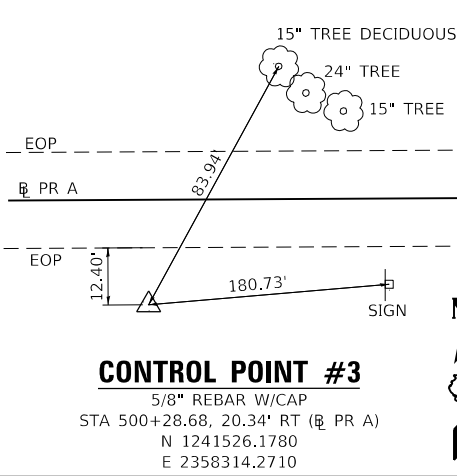
**CONTROL POINT #1**

5/8" REBAR W/CAP  
 STA 509+24.24, 21.51' LT (B PR A)  
 N 1241263.0520  
 E 2359112.3170



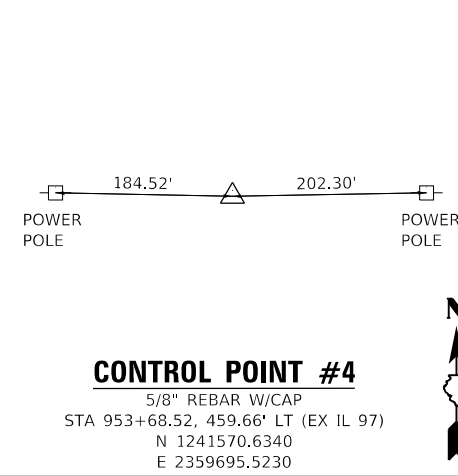
**CONTROL POINT #2**

5/8" REBAR W/CAP  
 STA 505+13.41, 26.80' LT (B PR A)  
 N 1241526.4340  
 E 2358806.0900



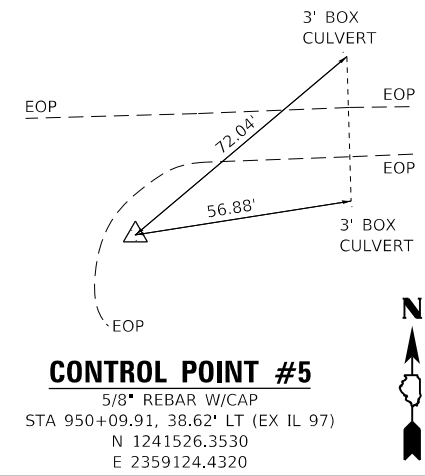
**CONTROL POINT #3**

5/8" REBAR W/CAP  
 STA 500+28.68, 20.34' RT (B PR A)  
 N 1241526.1780  
 E 2358314.2710



**CONTROL POINT #4**

5/8" REBAR W/CAP  
 STA 953+68.52, 459.66' LT (EX IL 97)  
 N 1241570.6340  
 E 2359695.5230



**CONTROL POINT #5**

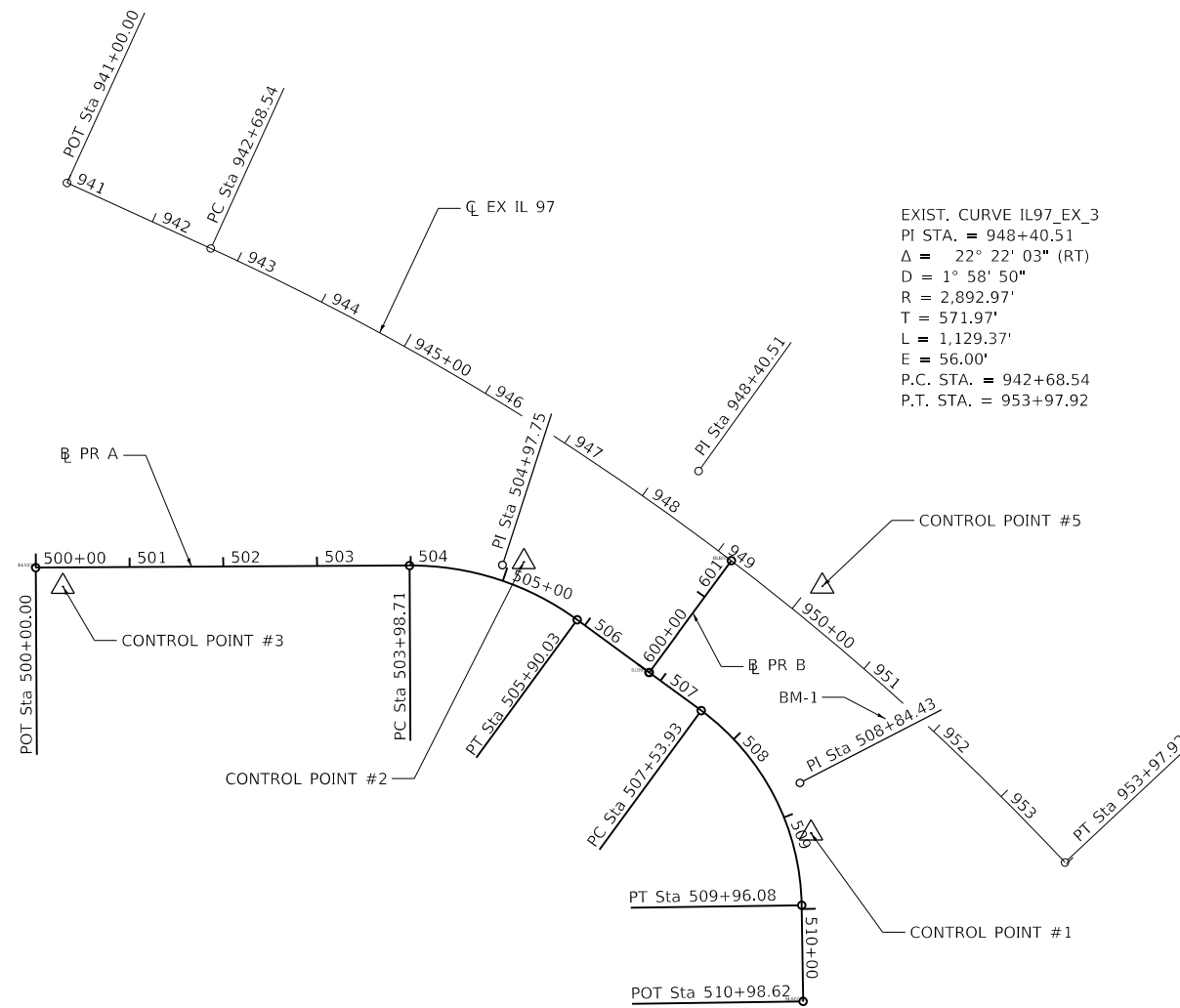
5/8" REBAR W/CAP  
 STA 950+09.91, 38.62' LT (EX IL 97)  
 N 1241526.3530  
 E 2359124.4320

BM -1  
 STA. 951+52.69, 24.81' RT (EX IL 97) HEADWALL OF BOX  
 CULVERT ON WEST SIDE OF ST. HWY 97 CHISELED SQUARE AT  
 CENTER OF HEADWALL FIRST BOX CULVERT S. OF INTERSECTION  
 ELEV. = 587.777

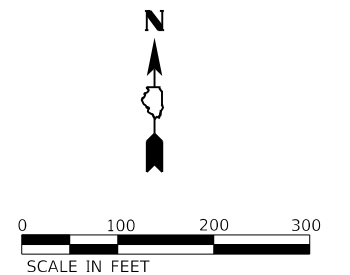
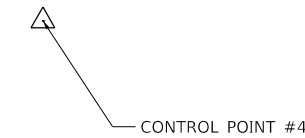
BL PR A - REFERS TO CL WHITES CROSSING AVE. (STA. 500+00.00 TO STA. 503+98.71)  
 AND CL STEWART STREET (STA. 503+98.71 TO STA. 510+98.62).  
 BL PR B - REFERS TO CL WHITES CROSSING AVE. (STA. 600+08.00 TO STA. 601+35.04).

PROP. CURVE BL\_A1  
 PI STA. = 504+97.75  
 $\Delta = 36^\circ 32' 17''$  (RT)  
 D =  $19^\circ 05' 55''$   
 R = 300.00'  
 T = 99.04'  
 L = 191.31'  
 E = 15.92'  
 P.C. STA. = 503+98.71  
 P.T. STA. = 505+90.03

PROP. CURVE BL\_A2  
 PI STA. = 508+84.43  
 $\Delta = 52^\circ 57' 04''$  (RT)  
 D =  $21^\circ 52' 00''$   
 R = 262.02'  
 T = 130.50'  
 L = 242.15'  
 E = 30.70'  
 P.C. STA. = 507+53.93  
 P.T. STA. = 509+96.08



EXIST. CURVE IL97\_EX\_3  
 PI STA. = 948+40.51  
 $\Delta = 22^\circ 22' 03''$  (RT)  
 D =  $1^\circ 58' 50''$   
 R = 2,892.97'  
 T = 571.97'  
 L = 1,129.37'  
 E = 56.00'  
 P.C. STA. = 942+68.54  
 P.T. STA. = 953+97.92



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design firm  
 no. 184001036  
**whks**  
 engineers + planners + land surveyors

USER NAME = bjohnson	DESIGNED - BJJ	REVISED -
DRAWN - GSJ	REVISED -	
PLOT SCALE = 2400.0000' / ft.	CHECKED - MRL	REVISED -
PLOT DATE = 8/28/2024	DATE - 8/28/2024	REVISED -

MENARD COUNTY HIGHWAY DEPARTMENT

ALIGNMENT, TIES, & BENCHMARKS DETAILS  
 WHITES CROSSING AVENUE

SCALE: 1" = 100' SHEET 1 OF 2 SHEETS STA. TO STA.

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21	19-051117-00-RR	MENARD	43	3
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

Beginning chain BL\_A description

Point BLA001 N 1,241,546.3636 E 2,358,285.4805 Sta 500+00.00  
 Course from BLA001 to PC BL\_A1 N 89° 41' 02.92" E Dist 398.7144

Curve Data  
 \*-----\*  
 Curve BL\_A1  
 P.I. Station = 504+97.75 N 1,241,549.1075 E 2,358,783.2227  
 Delta = 36° 32' 16.60" (RT)  
 Degree = 19° 05' 54.94"  
 Tangent = 99.0353  
 Length = 191.3122  
 Radius = 300.0000  
 External = 15.9240  
 Long Chord = 188.0870  
 Mid. Ord. = 15.1214  
 P.C. Station = 503+98.71 N 1,241,548.5616 E 2,358,684.1889  
 P.T. Station = 505+90.03 N 1,241,490.5859 E 2,358,863.1177  
 C.C. = N 1,241,248.5661 E 2,358,685.8427  
 Back = N 89° 41' 02.92" E  
 Ahead = S 53° 46' 40.48" E  
 Chord Bear = S 72° 02' 48.78" E

Course from PT BL\_A1 to BLA002 S 53° 46' 40.48" E Dist 95.0294  
 Point BLA002 N 1,241,434.4314 E 2,358,939.7810 Sta 506+85.06

Course from BLA002 to PC BL\_A2 S 53° 46' 40.48" E Dist 68.8710

Curve Data  
 \*-----\*  
 Curve BL\_A2  
 P.I. Station = 508+84.43 N 1,241,316.6198 E 2,359,100.6201  
 Delta = 52° 57' 03.87" (RT)  
 Degree = 21° 52' 00.23"  
 Tangent = 130.5000  
 Length = 242.1536  
 Radius = 262.0226  
 External = 30.6993  
 Long Chord = 233.6276  
 Mid. Ord. = 27.4797  
 P.C. Station = 507+53.93 N 1,241,393.7344 E 2,358,995.3415  
 P.T. Station = 509+96.08 N 1,241,186.1334 E 2,359,102.5033  
 C.C. = N 1,241,182.3523 E 2,358,840.5079  
 Back = S 53° 46' 40.48" E  
 Ahead = S 0° 49' 36.61" E  
 Chord Bear = S 27° 18' 08.55" E

Course from PT BL\_A2 to BLA003 S 0° 49' 36.61" E Dist 102.5430  
 Point BLA003 N 1,241,083.6010 E 2,359,103.9830 Sta 510+98.62

Ending chain BL\_A description

Beginning chain BL\_B description

Point BLB001 N 1,241,434.4314 E 2,358,939.7810 Sta 600+00.00  
 Course from BLB001 to BLB002 N 36° 19' 35.51" E Dist 48.2842

Point BLB002 N 1,241,473.3318 E 2,358,968.3839 Sta 600+48.28

Course from BLB002 to BLB003 N 36° 19' 35.51" E Dist 4.9914

Point BLB003 N 1,241,477.3531 E 2,358,971.3408 Sta 600+53.28

Course from BLB003 to BLB004 N 36° 19' 35.51" E Dist 94.7676

Point BLB004 N 1,241,553.7031 E 2,359,027.4798 Sta 601+48.04

Ending chain BL\_B description

Beginning chain IL97\_EX

Point 17 N 1,241,956.7174 E 2,358,318.7732 Sta 941+00.00  
 Course from 17 to PC IL97\_EX\_3 S 65° 28' 30.55" E Dist 168.5426

Curve Data  
 \*-----\*  
 Curve IL97\_EX\_3  
 P.I. Station = 948+40.51 N 1,241,649.3396 E 2,358,992.4778  
 Delta = 22° 22' 03.00" (RT)  
 Degree = 1° 58' 49.87"  
 Tangent = 571.9700  
 Length = 1,129.3748  
 Radius = 2,892.9656  
 External = 56.0003  
 Long Chord = 1,122.2168  
 Mid. Ord. = 54.9368  
 P.C. Station = 942+68.54 N 1,241,886.7574 E 2,358,472.1101  
 P.T. Station = 953+97.92 N 1,241,231.7608 E 2,359,383.3456  
 C.C. = N 1,239,254.7913 E 2,357,271.2753  
 Back = S 65° 28' 30.55" E  
 Ahead = S 43° 06' 27.55" E  
 Chord Bear = S 54° 17' 29.05" E

Ending chain IL97\_EX description

MODEL: D:\p1\1117\1117-00-RR\Projects\Meard County\0974\_Whites Crossing\CADD\CAD\_Sheets\0974-Sub-A-1B.dwg

design firm  
no. 184001036  
**whks**  
engineers + planners + land surveyors

USER NAME = bjohanson	DESIGNED - BJJ	REVISED -
PLOT SCALE = 2400,0000 ' / ft.	DRAWN - GSJ	REVISED -
PLOT DATE = 8/28/2024	CHECKED - MRL	REVISED -
	DATE - 8/28/2024	REVISED -

**MENARD COUNTY HIGHWAY DEPARTMENT**

**ALIGNMENT, TIES, & BENCHMARKS DETAILS  
WHITES CROSSING AVENUE**

SCALE: 1" = 100' SHEET 2 OF 2 SHEETS STA. TO STA.

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21	19-051117-00-RR	MENARD	43	4
CONTRACT NO.				
ILLINOIS			FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				NONE
				0001
				S.N.
20200100	EARTH EXCAVATION	CU YD	460	460
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	260	260
28000305	TEMPORARY DITCH CHECKS	FOOT	209	209
28000400	PERIMETER EROSION BARRIER	FOOT	685	685
28000500	INLET AND PIPE PROTECTION	EACH	2	2
28100107	STONE RIPRAP, CLASS A4	SQ YD	51	51
28200200	FILTER FABRIC	SQ YD	51	51
35101400	AGGREGATE BASE COURSE, TYPE B	TON	586	586
48101200	AGGREGATE SHOULDERS, TYPE B	TON	25	25
50105220	PIPE CULVERT REMOVAL	FOOT	128	128
542D0229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	4	4
54261724	STEEL FLARED END SECTIONS 24"	EACH	128	128
63500105	DELINEATORS	EACH	4	4
72900100	METAL POST - TYPE A	FOOT	28	28

MODEL: Default  
 FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\Menard County\0974 Whites Crossing\CADD\CAD\_Sheets\1974-sh-500.dgn

design firm  
 no. 184001036  
  
 engineers + planners + land surveyors

USER NAME = bjohnson	DESIGNED - BJJ	REVISED -
PLOT SCALE = 1200:0.0000 " = 1" / ft.	DRAWN - GSJ	REVISED -
PLOT DATE = 8/28/2024	CHECKED - MRL	REVISED -
	DATE - 8/28/2024	REVISED -

**MENARD COUNTY HIGHWAY DEPARTMENT**

**SUMMARY OF QUANTITIES  
WHITES CROSSING AVENUE**

SCALE: 1" = 50' SHEET 1 OF 2 SHEETS STA. TO STA.

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21	19-051117-00-RR	MENARD	43	5
CONTRACT NO.				
ILLINOIS			FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				NONE
				0001
				S.N.
X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	1	1
X7011800	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1	1
X7240600	REMOVE AND RE-ERECT EXISTING SIGN	EACH	5	5
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1
LR403600	SEAL COAT AGGREGATE	TON	16	16
XX009171	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	309	309
	STABILIZED SHOULDER (SPECIAL)	SQ YD	52	52

MODEL: D:\p\h\1 design firm no. 184001036  
 FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\Menard County\0974 Whites Crossing\CADD\CAD\_Sheets\1974-sh-500.dgn

  
 engineers • planners • land surveyors

USER NAME = bjohanson	DESIGNED - BJJ	REVISED -
PLOT SCALE = 1200:0.0000 " = 1" / ft.	DRAWN - GSJ	REVISED -
PLOT DATE = 8/28/2024	CHECKED - MRL	REVISED -
	DATE - 8/28/2024	REVISED -

**MENARD COUNTY HIGHWAY DEPARTMENT**

**SUMMARY OF QUANTITIES**  
**WHITES CROSSING AVENUE**  
 SCALE: 1" = 50'    SHEET 2 OF 2 SHEETS    STA.    TO STA.

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21	19-051117-00-RR	MENARD	43	6
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

LOCATION	20200100	FOR INFORMATION ONLY		
	*EARTH EXCAVATION	EXCAVATION TO BE USED IN EMBANKMENT (ADJUSTED FOR SHRINKAGE) (EXC. x 0.75)	EMBANKMENT (FILL)	EARTHWORK BALANCE WASTE (+) AND SHORTAGE (-)
	CU. YD.	CU. YD.	CU. YD.	CU. YD.
STA. 503+50.00 TO STA. 508+15.00 (BASELINE A)	375	280	145	135
STA. 600+08.00 TO STA. 601+35.04 (BASELINE B)	45	35	120	-85
STA. 947+78.31 TO STA. 949+69.43 (BASELINE IL 97)	40	30	80	-50
<b>TOTAL</b>	<b>460</b>	<b>345</b>	<b>345</b>	<b>0</b>

EARTH EXCAVATION SHRINKAGE FACTOR = 25%

\*BITUMINOUS ROADWAY SURFACE TO BE REMOVED WILL BE INCLUDED IN EARTH EXCAVATION QUANTITY.

**28000250 TEMPORARY EROSION CONTROL SEEDING**

IL 97 AT WHITES CROSSING	POUND
LT 503+50.00 TO LT 506+85.00	80
RT 503+50.00 TO RT 506+85.00	45
LT 506+85.00 TO LT 508+15.00	30
RT 506+85.00 TO RT 508+15.00	20
LT 600+55.00 TO LT 601+35.00	65
RT 600+55.00 TO RT 601+35.00	20
<b>TOTAL</b>	<b>260</b>

NOTE: ASSUMES 3 APPLICATIONS

**28000400 PERIMETER EROSION BARRIER**

IL 97 AT WHITES CROSSING	FOOT
LT 503+50.00 TO LT 504+50.00	130
RT 503+50.00 TO RT 506+00.00	235
LT 507+00.00 TO LT 508+15.00	130
LT 600+50.00 TO LT 601+35.00	95
RT 600+50.00 TO RT 601+35.00	95
<b>TOTAL</b>	<b>685</b>

**28000305 TEMPORARY DITCH CHECKS**

IL 97 AT WHITES CROSSING	FOOT
LT 507+51.00	11
LT 507+84.00	11
LT 505+90.00	11
LT 504+40.00	11
LT 504+10.00	11
LT 503+80.00	11
RT 503+80.00	11
RT 504+10.00	11
RT 504+40.00	11
RT 504+70.00	11
RT 505+30.00	11
LT 600+75.00	11
LT 601+00.00	11
RT 948+75.00	11
RT 948+50.00	11
RT 948+25.00	11
RT 600+75.00	11
RT 601+00.00	11
RT 949+50.00	11
<b>TOTAL</b>	<b>209</b>

**28000500 INLET AND PIPE PROTECTION**

IL 97 AT WHITES CROSSING	EACH
RT 505+00.00	1
RT 600+36.00	1
<b>TOTAL</b>	<b>2</b>

**28100107 STONE RIPRAP, CLASS A4**

IL 97 AT WHITES CROSSING	SQ YD
LT 504+75.00 TO LT 505+10.00	51
<b>TOTAL</b>	<b>51</b>

**28200200 FILTER FABRIC**

IL 97 AT WHITES CROSSING	SQ YD
LT 504+75.00 TO LT 505+10.00	51
<b>TOTAL</b>	<b>51</b>

**35101400 AGGREGATE BASE COURSE, TYPE B**

IL 97 AT WHITES CROSSING	TON
CL 503+50.00 TO CL 504+00.00	43
CL 504+00.00 TO CL 507+65.00	308
CL 507+65.00 TO CL 508+15.00	39
CL 600+08.00 TO CL 600+38.28	74
CL 600+47.28 TO CL 600+90.00	37
CL 600+90.00 TO CL 601+25.00	76
<b>TOTAL</b>	<b>577</b>

**48101200 AGGREGATE SHOULDERS, TYPE B**

IL 97 AT WHITES CROSSING	TON
LT 947+78.31 TO LT 949+69.45	25
<b>TOTAL</b>	<b>25</b>

**STABILIZED SHOULDER (SPECIAL)**

IL 97 AT WHITES CROSSING	SQ YD
LT 947+78.31 TO LT 949+69.45	52
<b>TOTAL</b>	<b>52</b>

**50105220 PIPE CULVERT REMOVAL**

IL 97 AT WHITES CROSSING	FOOT
LT/RT 97+48.00	43
LT/RT 98+00.00	85
<b>TOTAL</b>	<b>128</b>

**542D0229 PIPE CULVERTS, CLASS D, TYPE 1 24"**

IL 97 AT WHITES CROSSING	FOOT
LT/RT 505+00.00	54
LT/RT 600+36.00	80
<b>TOTAL</b>	<b>134</b>

**54261724 STEEL FLARED END SECTIONS 24"**

IL 97 AT WHITES CROSSING	EACH
LT/RT 505+00.00	2
LT/RT 600+36.00	2
<b>TOTAL</b>	<b>4</b>

MODEL: D:\p\h\1\design firm no. 184001036 FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\Menard County\0974 Whites Crossing\CADD\CAD\_Sheets\1974-Sub-Structure.dgn



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PLOT SCALE = 1200:0.0000 " = 1" / ft.	DRAWN - GSJ	REVISED -
PLOT DATE = 8/28/2024	CHECKED - MRL	REVISED -
	DATE - 8/28/2024	REVISED -

**MENARD COUNTY HIGHWAY DEPARTMENT**

**SCHEDULE OF QUANTITIES  
WHITES CROSSING AVENUE**

SCALE: 1" = 50' SHEET 1 OF 2 SHEETS STA. TO STA.

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21	19-051117-00-RR	MENARD	43	7
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

63500105 DELINEATORS

IL 97 AT WHITES CROSSING	EACH
LT/RT 505+00.00	2
LT/RT 600+36.00	2
USE TWO-SIDED REFLECTORS AT ALL LOCATIONS	TOTAL 4

72900100 METAL POST - TYPE A

IL 97 AT WHITES CROSSING	FOOT
LT 505+00.00	7
RT 505+00.00	7
LT 600+36.00	7
RT 600+36.00	7
	TOTAL 28

X2501000 SEEDING, CLASS 2 (SPECIAL)

IL 97 AT WHITES CROSSING	ACRE
LT 503+50.00 TO LT 506+85.00	0.27
RT 503+50.00 TO RT 506+85.00	0.15
LT 506+85.00 TO LT 508+15.00	0.09
RT 506+85.00 TO RT 508+15.00	0.06
LT 600+55.00 TO LT 601+35.00	0.22
RT 600+55.00 TO RT 601+35.00	0.06
TOTAL SEEDING AREA ROUNDED FOR PROPER D.O.A.	TOTAL 1.00

X7011800 TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21

IL 97 AT WHITES CROSSING	L SUM
	TOTAL 1

X7240600 REMOVE AND RE-ERECT EXISTING SIGN

IL 97 AT WHITES CROSSING	EACH
LT 98+40.00	1
LT 98+50.00	1
RT 98+50.00	1
RT 99+71.00	1
RT 99+76.00	1
	TOTAL 5

Z0013798 CONSTRUCTION LAYOUT

IL 97 AT WHITES CROSSING	L SUM
	TOTAL 1

Z0048665 RAILROAD PROTECTIVE LIABILITY INSURANCE

IL 97 AT WHITES CROSSING	L SUM
	TOTAL 1

LR403600 SEAL COAT AGGREGATE

IL 97 AT WHITES CROSSING	TON
CL 503+50.00 TO CL 504+00.00	2
CL 504+00.00 TO CL 507+65.00	8
CL 507+65.00 TO CL 508+15.00	1
CL 600+08.00 TO CL 600+38.28	2
CL 600+47.28 TO CL 600+90.00	1
CL 600+90.00 TO CL 601+25.00	2
	TOTAL 16

XX009171 BITUMINOUS MATERIALS (PRIME COAT)

IL 97 AT WHITES CROSSING	GALLON
CL 503+50.00 TO CL 504+00.00	23
CL 504+00.00 TO CL 507+65.00	163
CL 507+65.00 TO CL 508+15.00	21
CL 600+08.00 TO CL 600+38.28	41
CL 600+47.28 TO CL 600+90.00	19
CL 600+90.00 TO CL 601+25.00	42
	TOTAL 309

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design firm  
no. 184001036  
**whks**  
engineers + planners + land surveyors

USER NAME = bjohanson	DESIGNED - BJJ	REVISED -
PLOT SCALE = 1200:0.0000 "x" / ft.	DRAWN - GSJ	REVISED -
PLOT DATE = 8/28/2024	CHECKED - MRL	REVISED -
	DATE - 8/28/2024	REVISED -

**MENARD COUNTY HIGHWAY DEPARTMENT**

**SCHEDULE OF QUANTITIES**  
**WHITES CROSSING AVENUE**

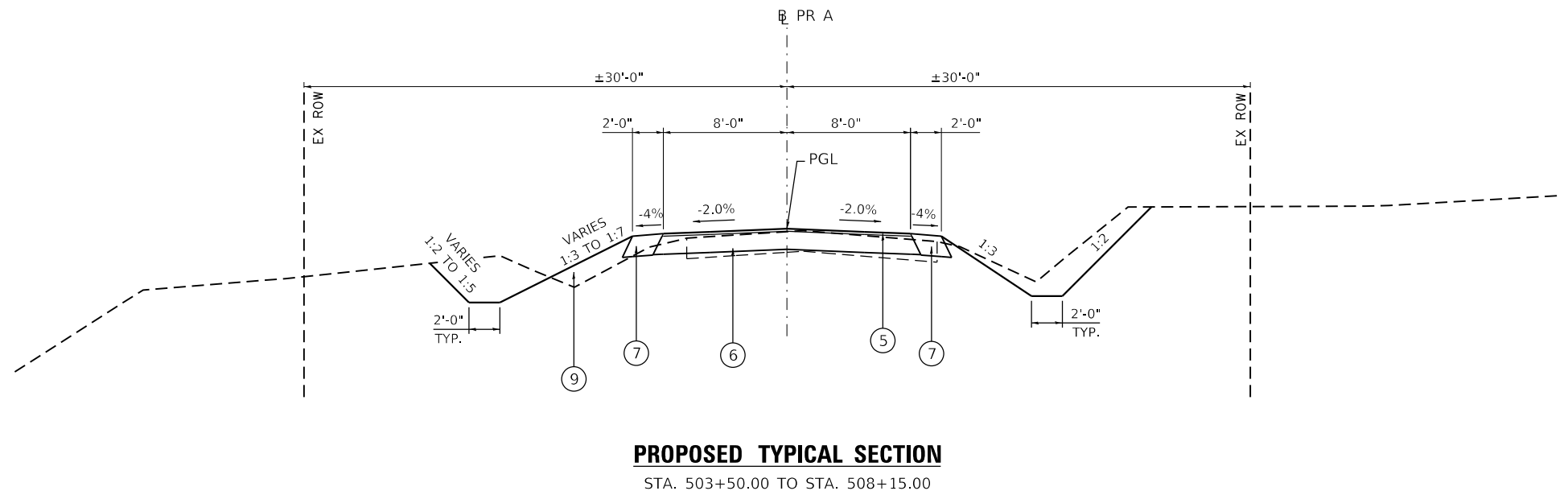
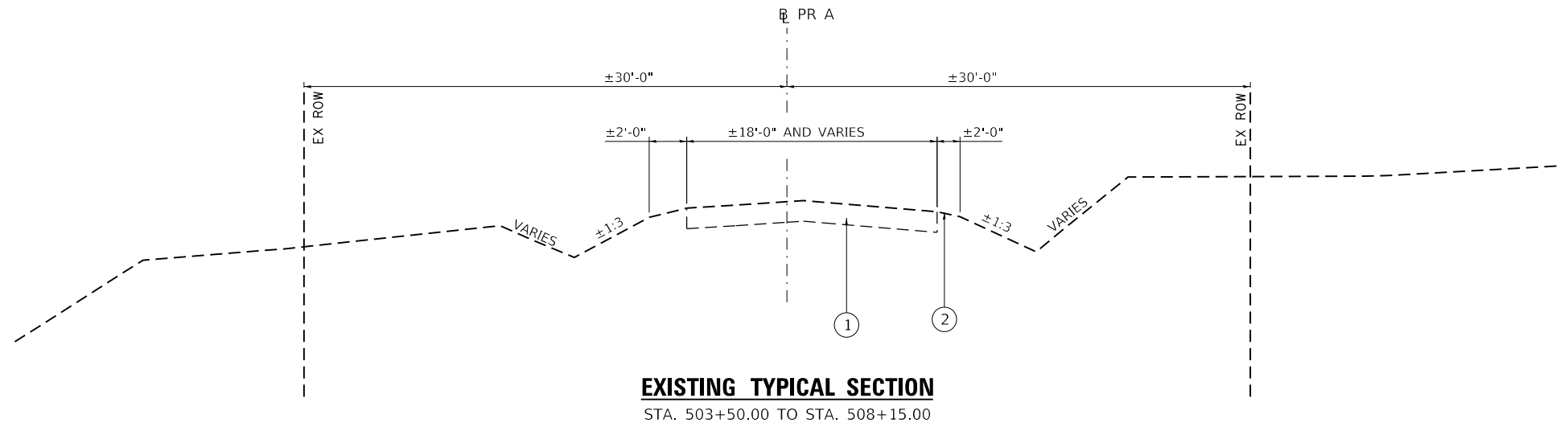
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T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21	19-051117-00-RR	MENARD	43	8
CONTRACT NO.				
ILLINOIS			FED. AID PROJECT	



**LEGEND**

- ① EX PAVEMENT
- ② EARTH SURFACE
- ③ EX AGGREGATE SHOULDERS
- ④ EX HMA SHOULDER
- ⑤ OIL AND CHIP (A-1 SURFACE)
- ⑥ 8" AGGREGATE BASE
- ⑦ AGGREGATE SHOULDERS, TYPE B, 8"
- ⑧ PR STABILIZED SHOULDER (SPECIAL), 8"
- ⑨ FURNISHED EXCAVATION



MODEL: Default; FILE NAME: C:\SP\WHKS & CO\Jobs-Spring - Projects\Menard County\0974\_Whites Crossing\CADD\CAD\_Sheets\19974-shc-typical.dgn

design firm  
no. 184001036  
**whks**  
engineers + planners + land surveyors

USER NAME = bjohanson	DESIGNED - BJJ	REVISED -
DRAWN - GSJ	REVISIONS -	
PLOT SCALE = 1/20,000 ' / ft.	CHECKED - MRL	REVISED -
PLOT DATE = 8/28/2024	DATE - 8/28/2024	REVISED -

**MENARD COUNTY HIGHWAY DEPARTMENT**

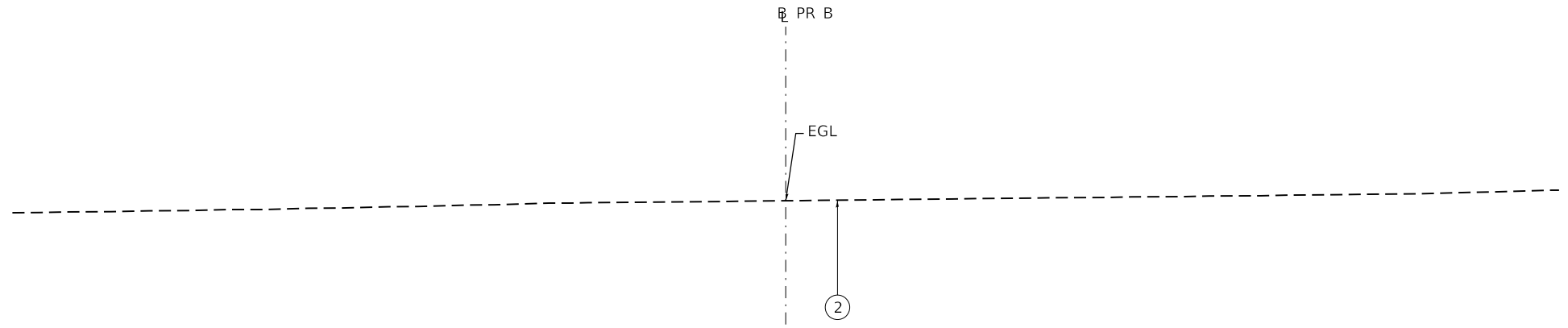
**TYPICAL SECTIONS  
WHITES CROSSING AVENUE**

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

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21	19-051117-00-RR	MENARD	43	9
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

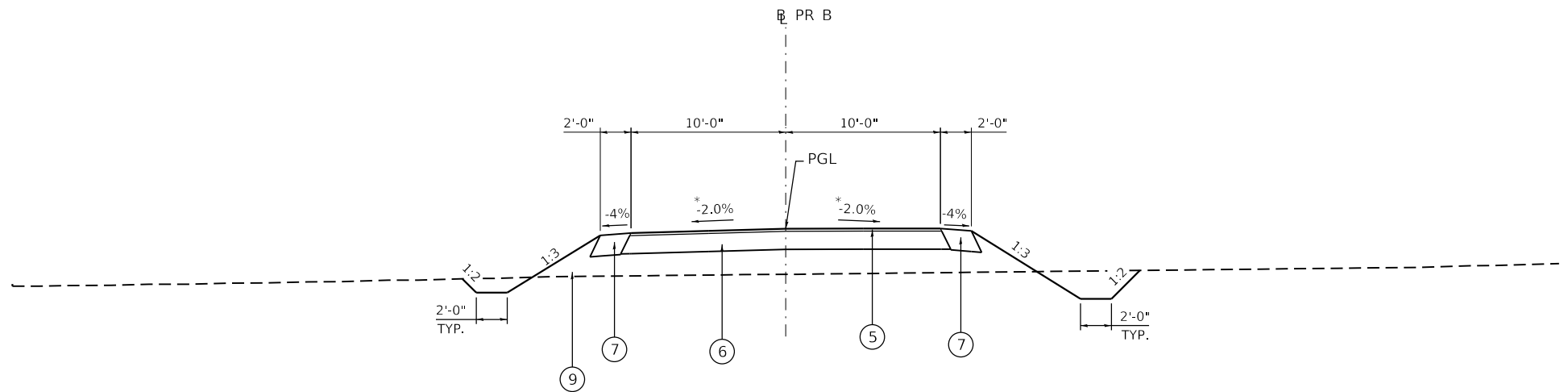
**LEGEND**

- ① EX PAVEMENT
- ② EARTH SURFACE
- ③ EX AGGREGATE SHOULDERS
- ④ EX HMA SHOULDER
- ⑤ OIL AND CHIP (A-1 SURFACE)
- ⑥ 8" AGGREGATE BASE
- ⑦ AGGREGATE SHOULDERS, TYPE B, 8"
- ⑧ PR STABILIZED SHOULDER (SPECIAL), 8"
- ⑨ FURNISHED EXCAVATION



**EXISTING TYPICAL SECTION**

STA. 600+08.00 TO STA. 601+35.04  
(LOOKING NORTHEAST)



**PROPOSED TYPICAL SECTION**

STA. 600+08.00 TO STA. 601+35.04  
(LOOKING NORTHEAST)

\*NOTE: ENSURE ROADWAY CROWN TRANSITIONS TO ZERO CROWN WITH 12' OF THE TRACK CENTERLINE.

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USER NAME = bjohnson	DESIGNED - BJJ	REVISED -
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PLOT SCALE = 1/20,000' / ft.	DATE - 8/28/2024	REVISED -
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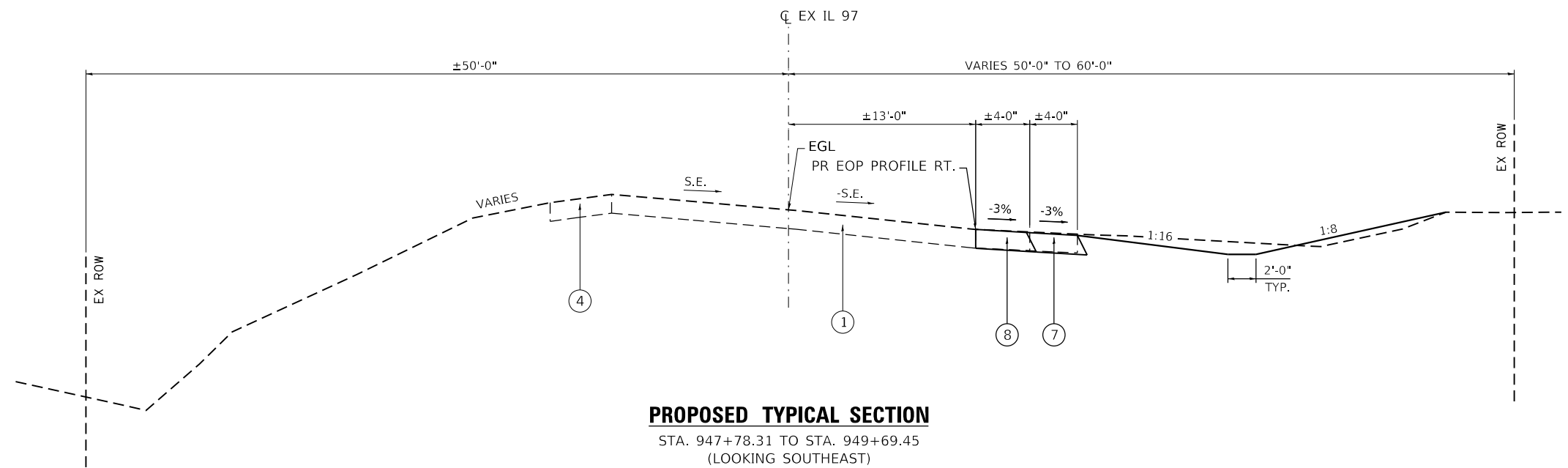
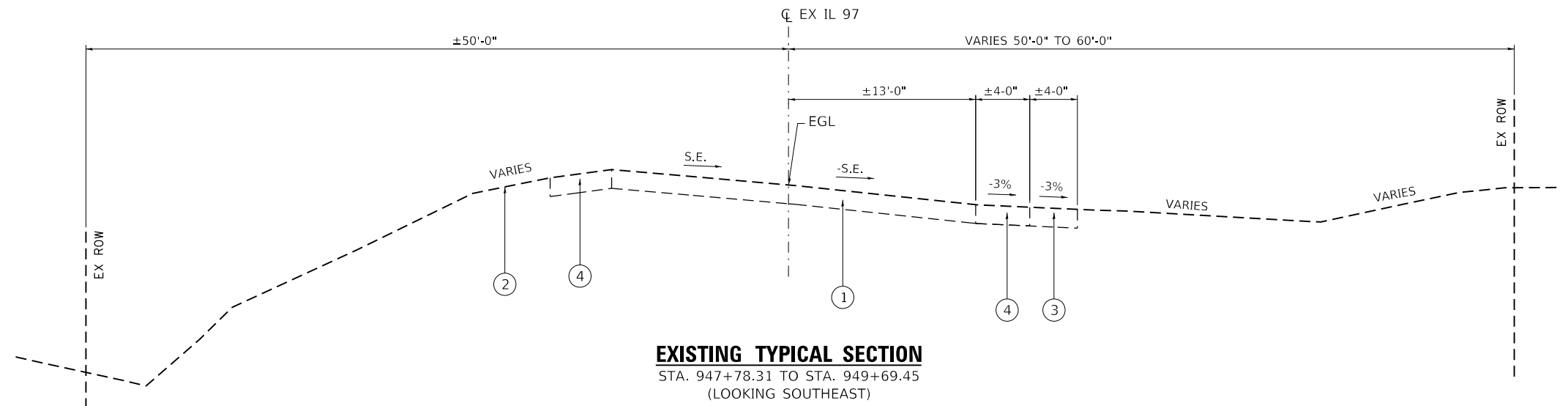
**MENARD COUNTY HIGHWAY DEPARTMENT**

TYPICAL SECTIONS			
WHITES CROSSING AVENUE			
SCALE: 1" = 10'	SHEET 2	OF 3 SHEETS	STA. TO STA.

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21	19-051117-00-RR	MENARD	43	10
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

**LEGEND**

- ① EX PAVEMENT
- ② EARTH SURFACE
- ③ EX AGGREGATE SHOULDERS
- ④ EX HMA SHOULDER
- ⑤ OIL AND CHIP (A-1 SURFACE)
- ⑥ 8" AGGREGATE BASE
- ⑦ AGGREGATE SHOULDERS, TYPE B, 8"
- ⑧ PR STABILIZED SHOULDER (SPECIAL), 8"
- ⑨ FURNISHED EXCAVATION



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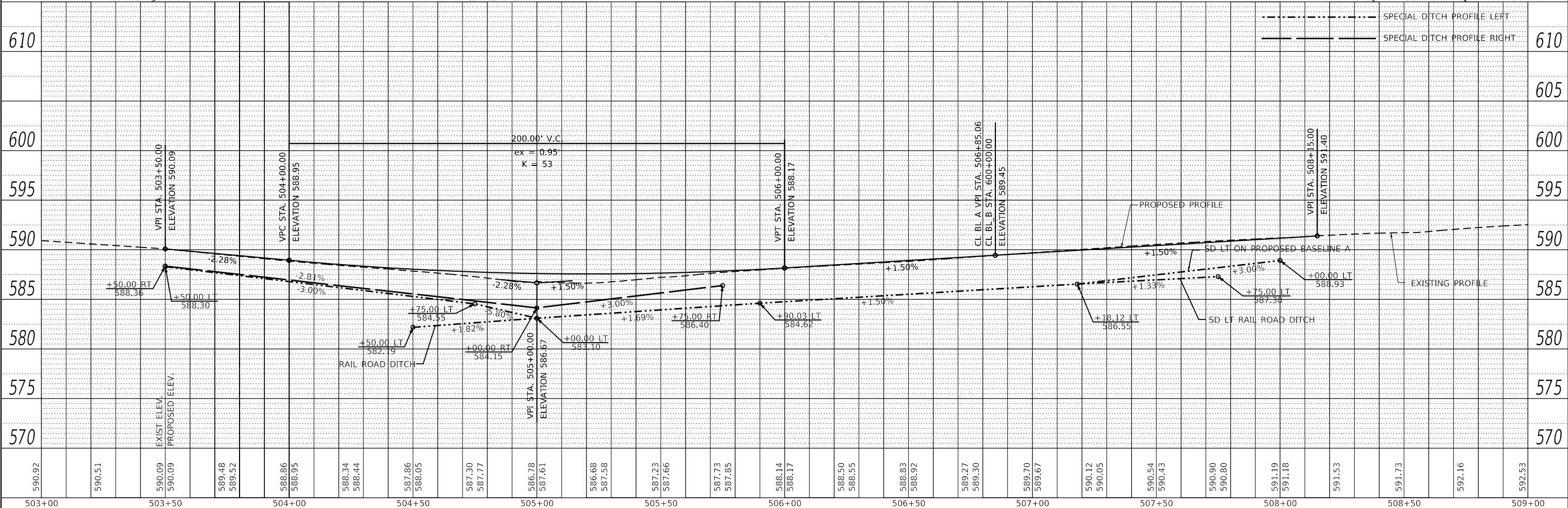
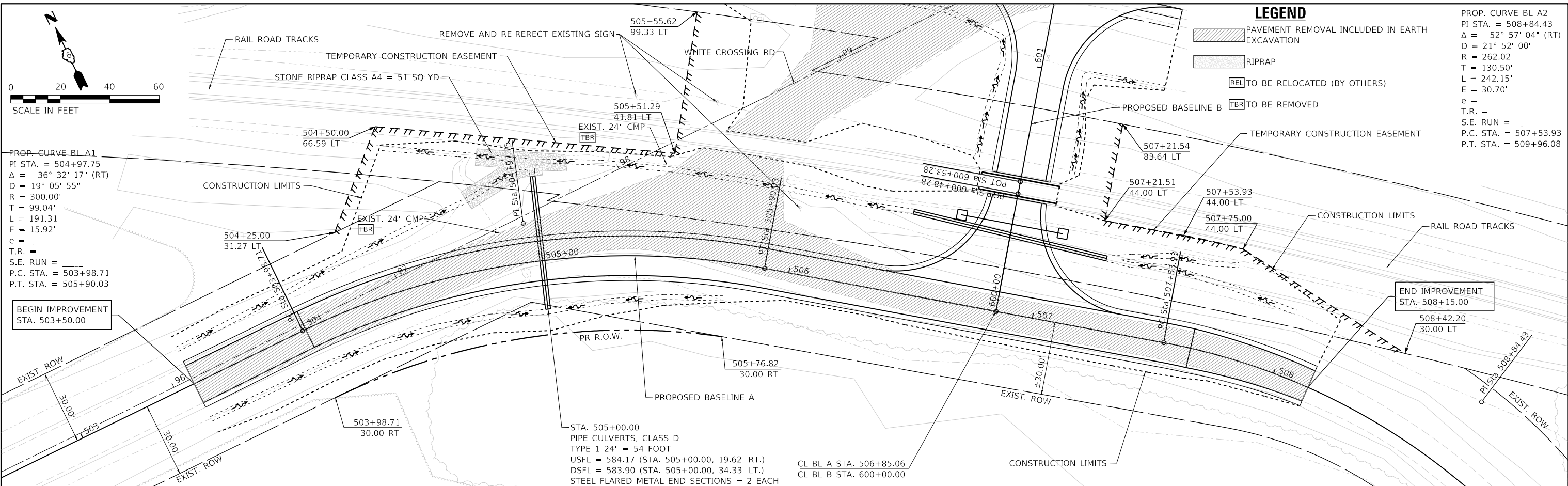
design firm  
no. 184001036  
**whks**  
engineers • planners • land surveyors

USER NAME = bjohnson	DESIGNED - BJJ	REVISED -
DRAWN - GSJ	REVISIONS -	
PLOT SCALE = 1/20,000' / ft.	CHECKED - MRL	REVISED -
PLOT DATE = 8/28/2024	DATE - 8/28/2024	REVISED -

**MENARD COUNTY HIGHWAY DEPARTMENT**

TYPICAL SECTIONS			
WHITES CROSSING AVENUE			
SCALE: 1" = 10'	SHEET 3	OF 3 SHEETS	STA. TO STA.

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21	19-051117-00-RR	MENARD	43	10
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



DATE	
BY	
PLAN	SURVEYED
	PLOTTED
	ALIGNED
	CHECKED
	STRUCTURE
	NOTATION
	REVISED
	NO.

DATE	
BY	
PROFILE	SURVEYED
	PLOTTED
	GRADES
	CHECKED
	STRUCTURE
	NOTATION
	REVISED
	NO.

design firm no. 184001036	USER NAME = bjohnson	DESIGNED - BJJ	REVISED -	<b>MENARD COUNTY HIGHWAY DEPARTMENT</b> PLAN AND PROFILE - BL A WHITES CROSSING AVENUE SCALE: 1" = 20' SHEET 1 OF 3 SHEETS STA. TO STA.	T.R. RTE. 21	SECTION 19-051117-00-RR	COUNTY MENARD	TOTAL SHEETS 43	SHEET NO. 12
whks engineers + planners + land surveyors	PLOT SCALE = 480,0000' / ft.	DRAWN - GSJ	REVISED -		CONTRACT NO.				
	CHECKED - MRL	DATE - 8/28/2024	REVISED -		ILLINOIS FED. AID PROJECT				
	PLOT DATE = 8/28/2024	DATE - 8/28/2024	REVISED -						

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	BY	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	BY	

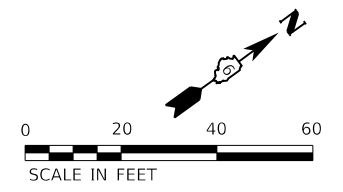
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STA. 600+36.00  
 PIPE CULVERTS, CLASS D  
 TYPE 1 24" = 80 FOOT  
 USFL = 586.55 (STA. 600+36.00, 33.12' RT.)  
 DSFL = 585.45 (STA. 600+36.00, 39.88' LT.)  
 STEEL FLARED METAL END SECTIONS = 2 EACH  
 NEEDS UPDATED

CL BL A STA. 506+85.06  
 CL BL B STA. 600+00.00

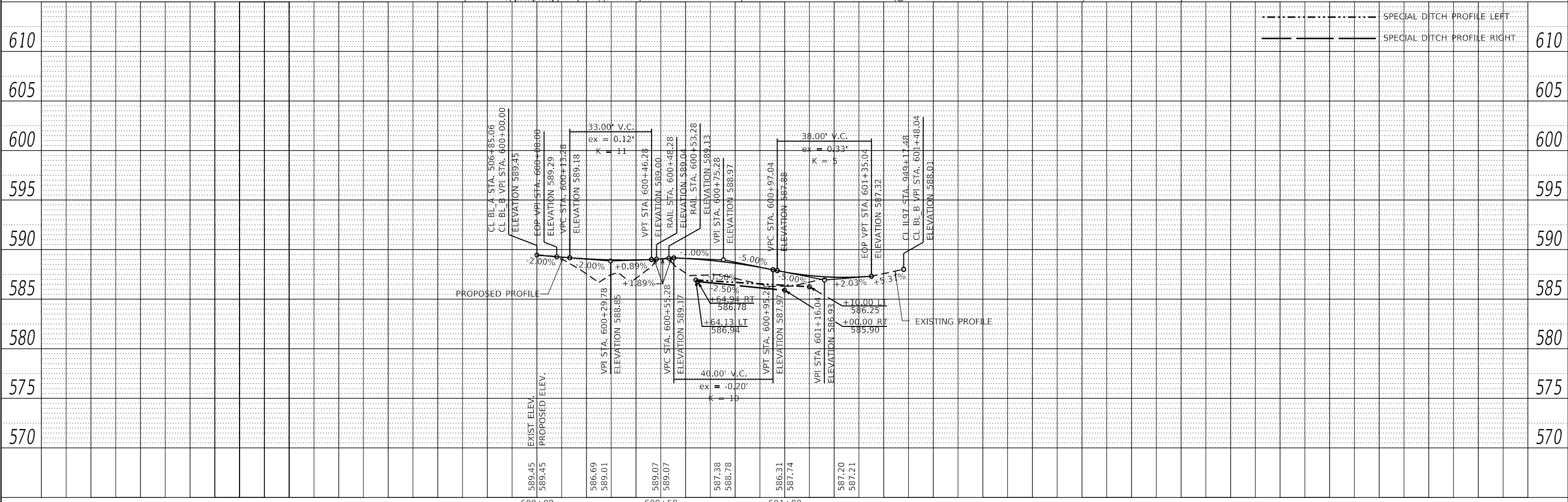
BEGIN IMPROVEMENT  
 STA. 600+08.00

END IMPROVEMENT  
 STA. 601+35.04



**LEGEND**

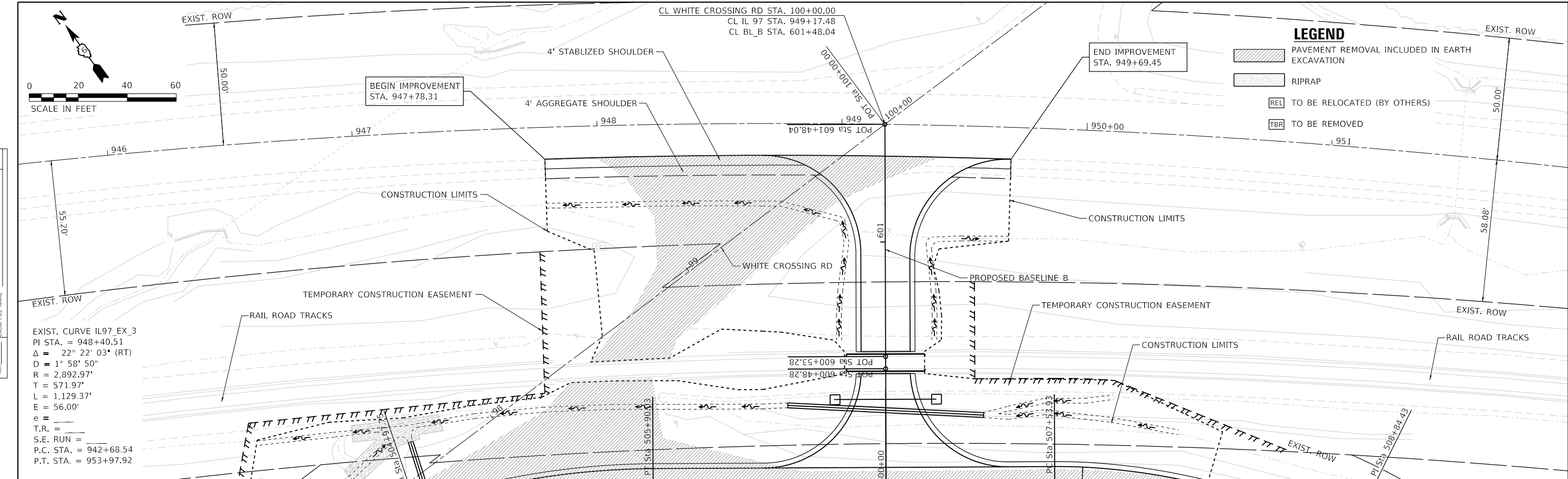
	PAVEMENT REMOVAL INCLUDED IN EARTH EXCAVATION
	RIPRAP
	TO BE RELOCATED (BY OTHERS)
	TO BE REMOVED



design firm no. 184001036	USER NAME = bjohanson	DESIGNED - BJJ	REVISED -	<b>MENARD COUNTY HIGHWAY DEPARTMENT</b>	<b>PLAN AND PROFILE - BL B WHITES CROSSING AVENUE</b>	T.R. RTE. 21	SECTION 19-051117-00-RR	COUNTY MENARD	TOTAL SHEETS 43	SHEET NO. 13	
	PLOT SCALE = 480,0000' / ft.	CHECKED - MRL	REVISED -			SCALE: 1" = 20'		SHEET 2 OF 3 SHEETS		CONTRACT NO.	
engineers + planners + land surveyors	PLOT DATE = 8/28/2024	DATE - 8/28/2024	REVISED -			STA. TO STA.		ILLINOIS		FED. AID PROJECT	
						TO STA.					

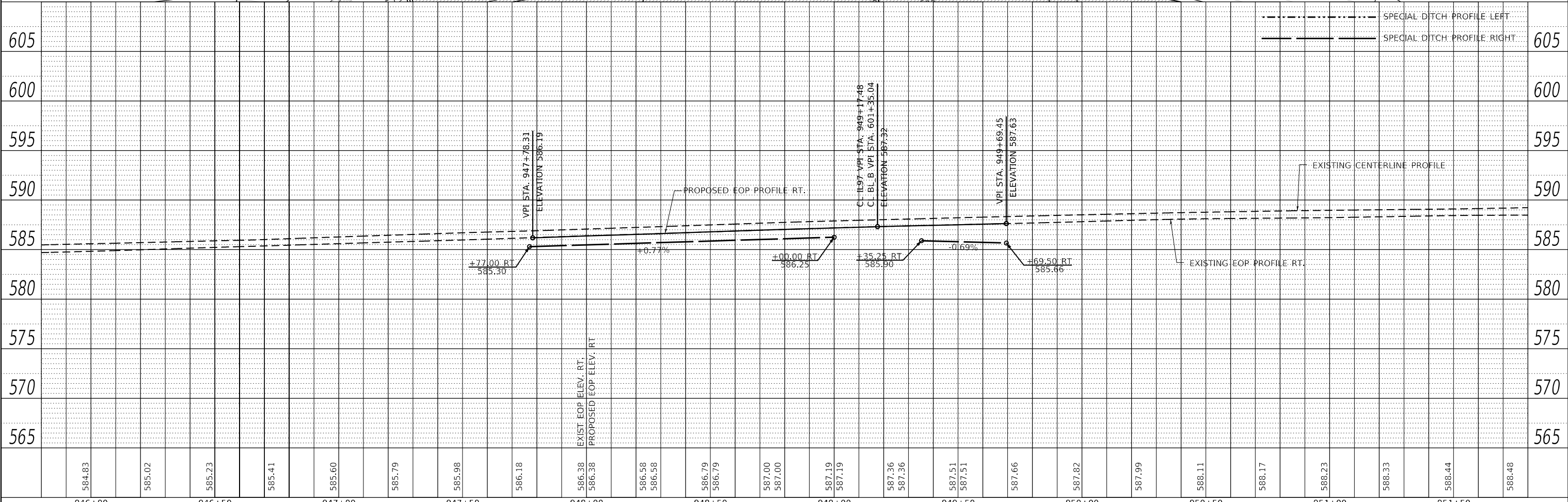
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	CHECKED		
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PROFILE	SURVISED	BY	DATE
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	GRADES		
	CHECKED		
	STRUCTURE		
	NOTATION		
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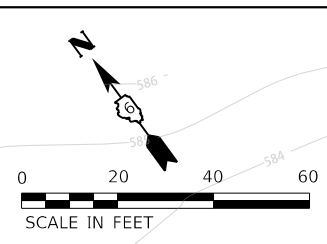


**LEGEND**

- [Hatched Box] PAVEMENT REMOVAL INCLUDED IN EARTH EXCAVATION
- [Stippled Box] RIPRAP
- [Box with 'REL'] TO BE RELOCATED (BY OTHERS)
- [Box with 'TBR'] TO BE REMOVED

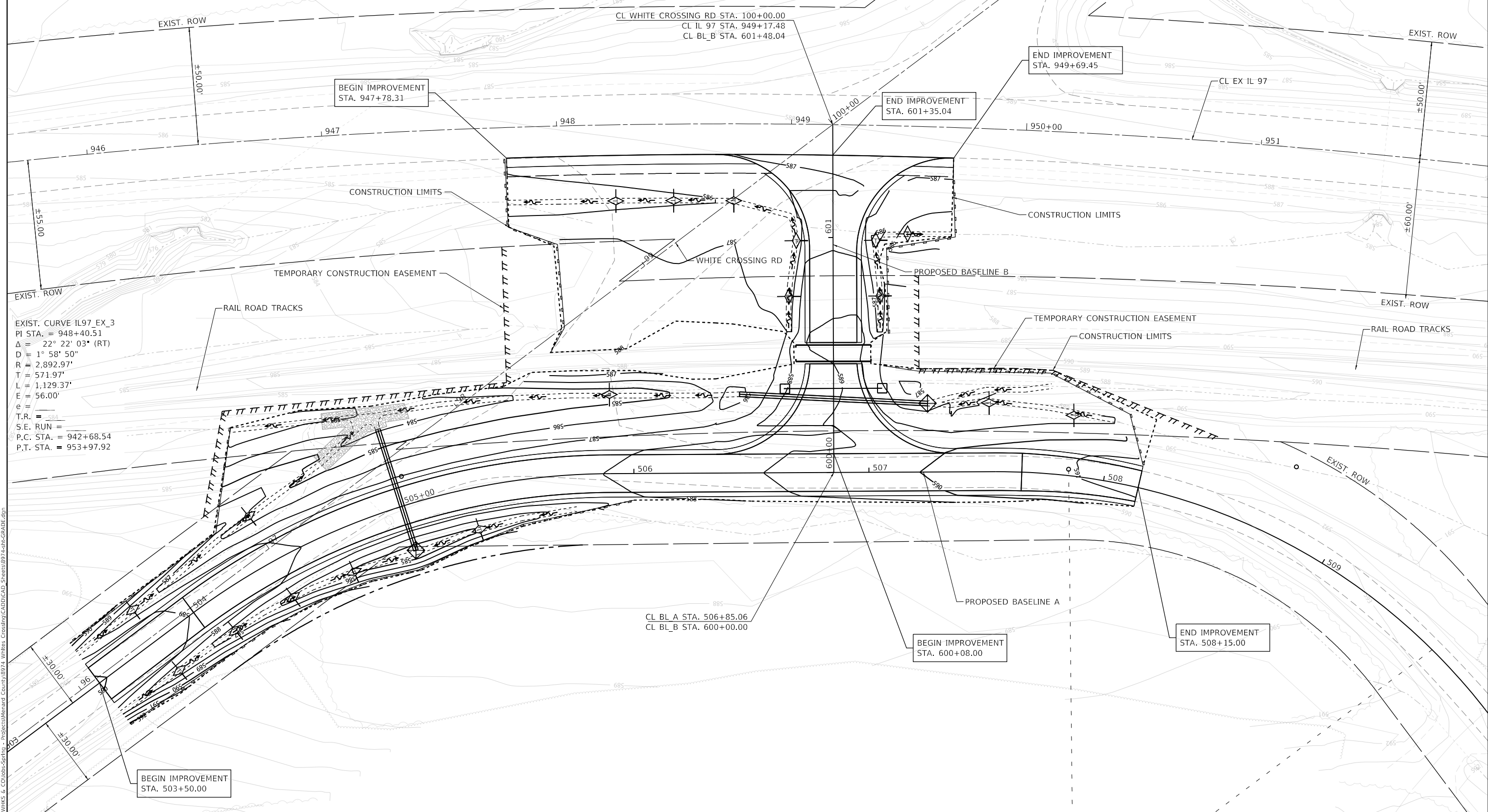


design firm no. 184001036 <b>whks</b> engineers + planners + land surveyors	USER NAME = bjohanson	DESIGNED - BJJ	REVISED -	<b>MENARD COUNTY HIGHWAY DEPARTMENT</b>	<b>PLAN AND PROFILE - CL IL 97</b> <b>WHITES CROSSING AVENUE</b>		T.R. 21	SECTION 19-051117-00-RR	COUNTY MENARD	TOTAL SHEETS 43	SHEET NO. 14
	PLOT SCALE = 480,0000' / ft.	CHECKED - MRL	REVISED -		SCALE: 1" = 20'	SHEET 3	OF 3 SHEETS	STA.	TO STA.	CONTRACT NO.	
	PLOT DATE = 8/28/2024	DATE - 8/28/2024	REVISED -								



**LEGEND**

- RIPRAP
- PERIMETER EROSION BARRIER
- TEMPORARY DITCH CHECKS
- INLET AND PIPE PROTECTION



EXIST. CURVE IL97\_EX\_3  
 PI STA. = 948+40.51  
 $\Delta = 22^\circ 22' 03''$  (RT)  
 $D = 1^\circ 58' 50''$   
 $R = 2,892.97'$   
 $T = 571.97'$   
 $L = 1,129.37'$   
 $E = 56.00'$   
 $e =$   
 $T.R. =$   
 $S.E. RUN =$   
 $P.C. STA. = 942+68.54$   
 $P.T. STA. = 953+97.92$

MODEL: Default  
 FILE NAME: C:\SP\WHKS & CO\Jobs\Spring - Projects\Menard County\9774 Whites Crossing\CAD\CAD\_Sheets\1974-Sub-GRABDE.dgn



USER NAME = bjohanson	DESIGNED - BJJ	REVISED -
PLOT SCALE = 480,0000' / ft.	DRAWN - GSJ	REVISED -
PLOT DATE = 8/28/2024	CHECKED - MRL	REVISED -
	DATE - 8/28/2024	REVISED -

**MENARD COUNTY HIGHWAY DEPARTMENT**

<b>EROSION CONTROL AND GRADING PLAN</b>			
<b>WHITES CROSSING AVENUE</b>			
SCALE: 1" = 20'	SHEET 1	OF 1 SHEETS	STA. TO STA.

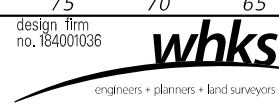
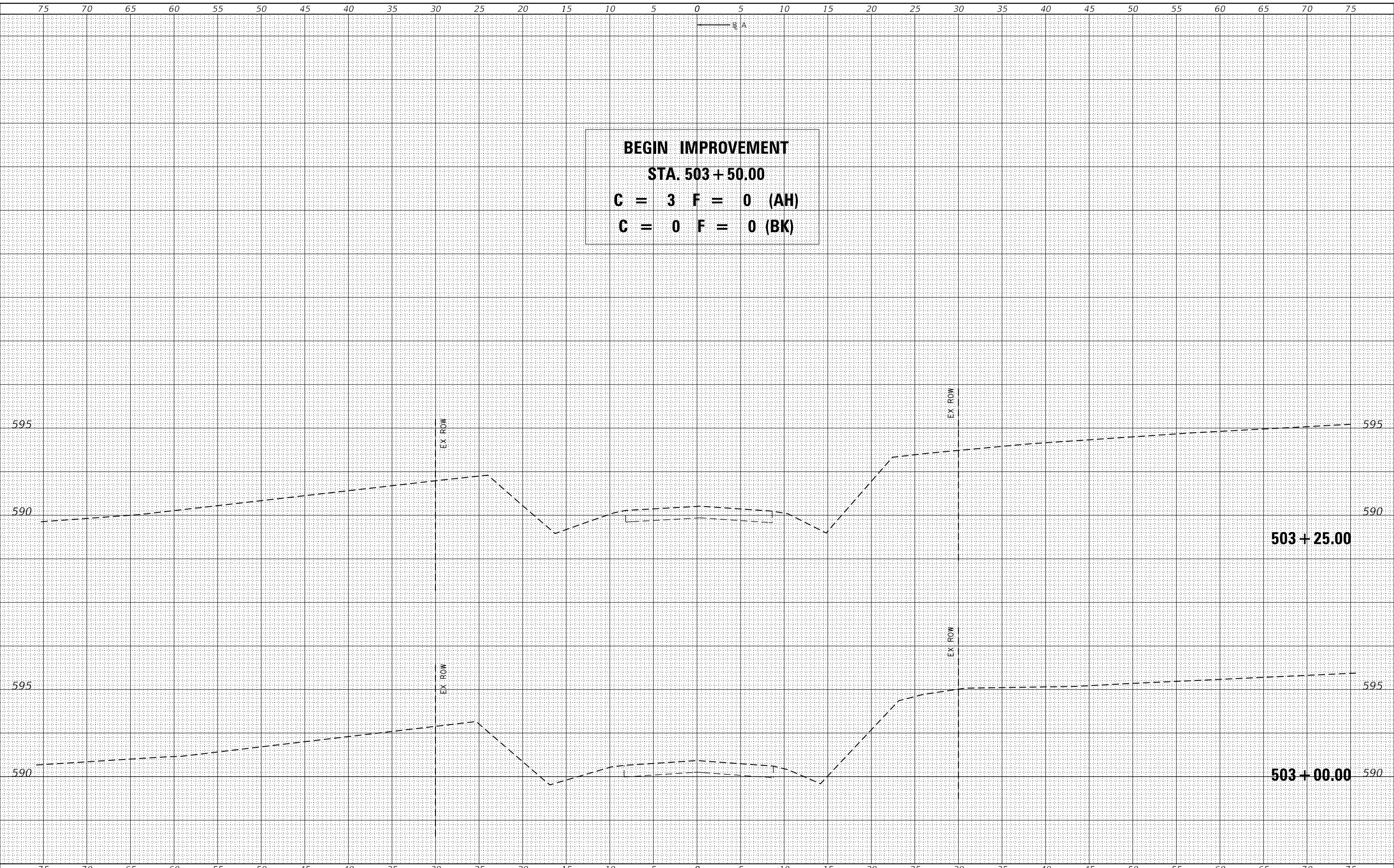
T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21	19-051117-00-RR	MENARD	43	15
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Definit  
 FILE NAME: C:\pwworks\c\colabs\sp\proj\menard\cadd\cad Streets\974 Whites Crossing\CAD\CAD Streets\974 Whites Crossing.dgn

**BEGIN IMPROVEMENT**  
**STA. 503+50.00**  
**C = 3 F = 0 (AH)**  
**C = 0 F = 0 (BK)**



USER NAME =	bjohnson	DESIGNED -	BJJ	REVISED -	
		DRAWN -	GSJ	REVISED -	
		CHECKED -	MRL	REVISED -	
		DATE -	8/28/2024	REVISED -	

PLOT SCALE =	120,000' / ft.
PLOT DATE =	8/28/2024

**MENARD COUNTY HIGHWAY DEPARTMENT**

**CROSS SECTIONS BASELINE A  
 WHITES CROSSING AVENUE**

SCALE: 1" = 5'    SHEET 1 OF 12 SHEETS    STA. 503+00.00 TO STA. 503+25.00

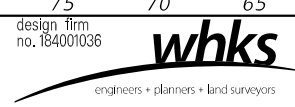
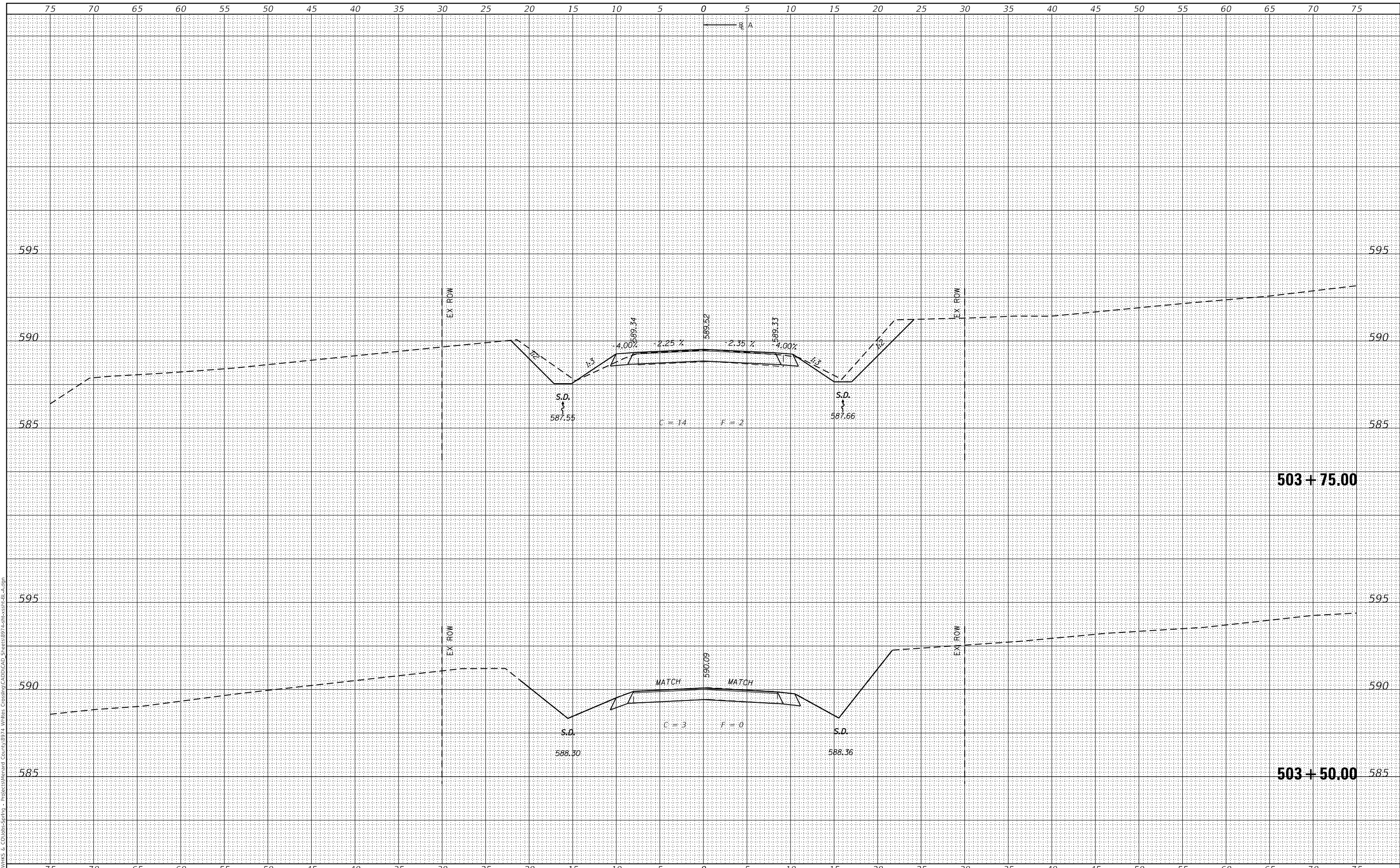
T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21	19-051117-00-RR	MENARD	43	16
CONTRACT NO.				
ILLINOIS		FED. AID PROJECT		



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

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

MODEL: Definit  
 FILE NAME: C:\pawmks & CO\jobs-Springs - Projects\Menard County\974 Whites Crossing\CADD\CAD\_Sheets\974-whc-vstn-bl-a.dgn



USER NAME = bjohnson	DESIGNED - BJJ	REVISED -
	DRAWN - GSJ	REVISED -
PLOT SCALE = 1/20,000" = 1' / ft.	CHECKED - MRL	REVISED -
PLOT DATE = 8/28/2024	DATE - 8/28/2024	REVISED -

**MENARD COUNTY HIGHWAY DEPARTMENT**

**CROSS SECTIONS BASELINE A  
WHITES CROSSING AVENUE**

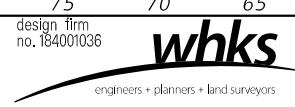
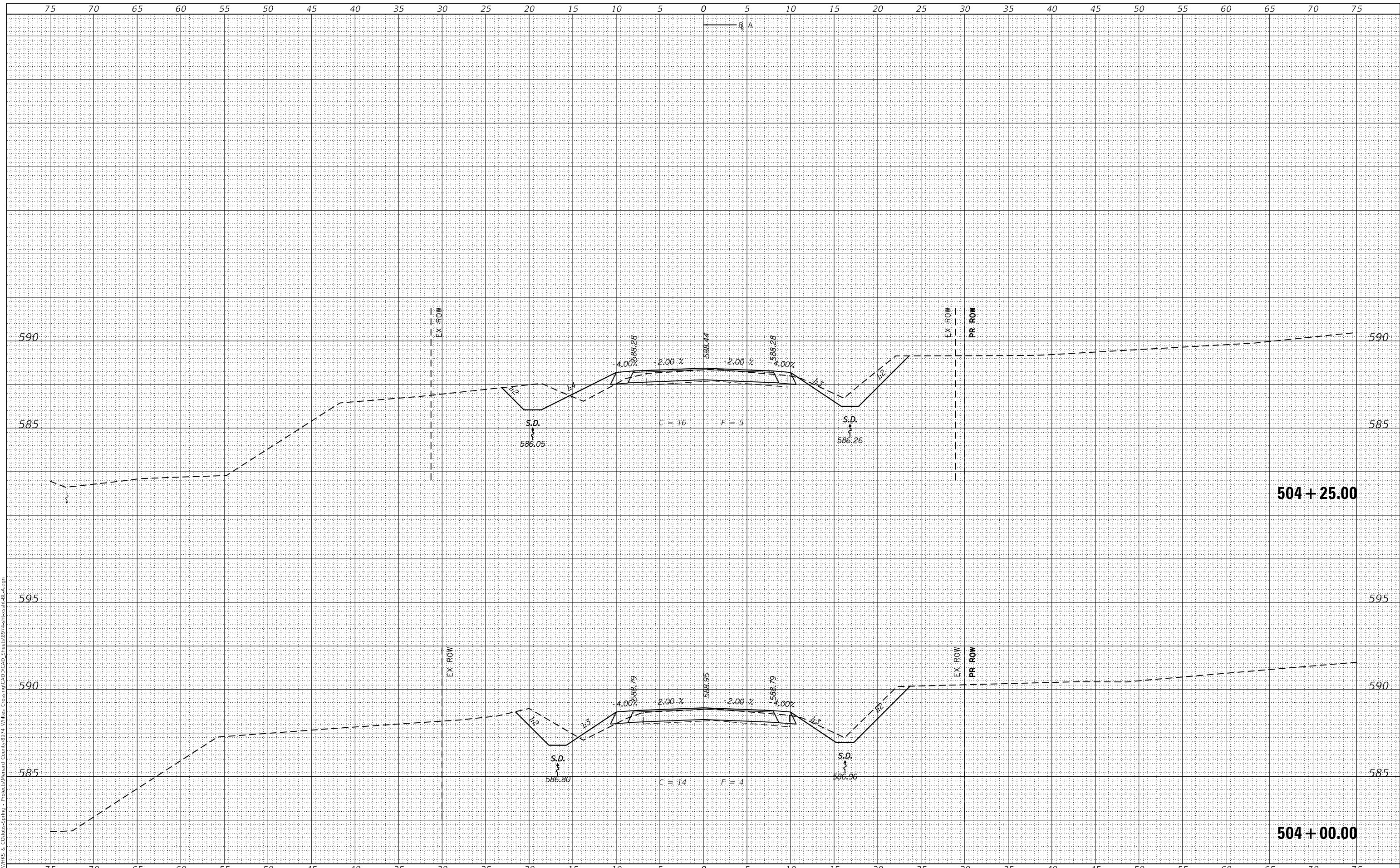
SCALE: 1" = 5' SHEET 2 OF 12 SHEETS STA. 503+50.00 TO STA. 503+75.00

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21	19-051117-00-RR	MENARD	43	17
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Definit  
 FILE NAME: C:\pwwork\G. Collob-Springs - Project\Menard County\9174 Whites Crossing\CAD\CAD\_Sheets\9174-shc-xxsh-bl.dgn



USER NAME =	bjohnson
DESIGNED -	BJJ
DRAWN -	GSJ
CHECKED -	MRL
DATE -	8/28/2024

REVISED -	
REVISED -	
REVISED -	
REVISED -	

**MENARD COUNTY HIGHWAY DEPARTMENT**

**CROSS SECTIONS BASELINE A  
WHITES CROSSING AVENUE**

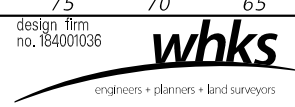
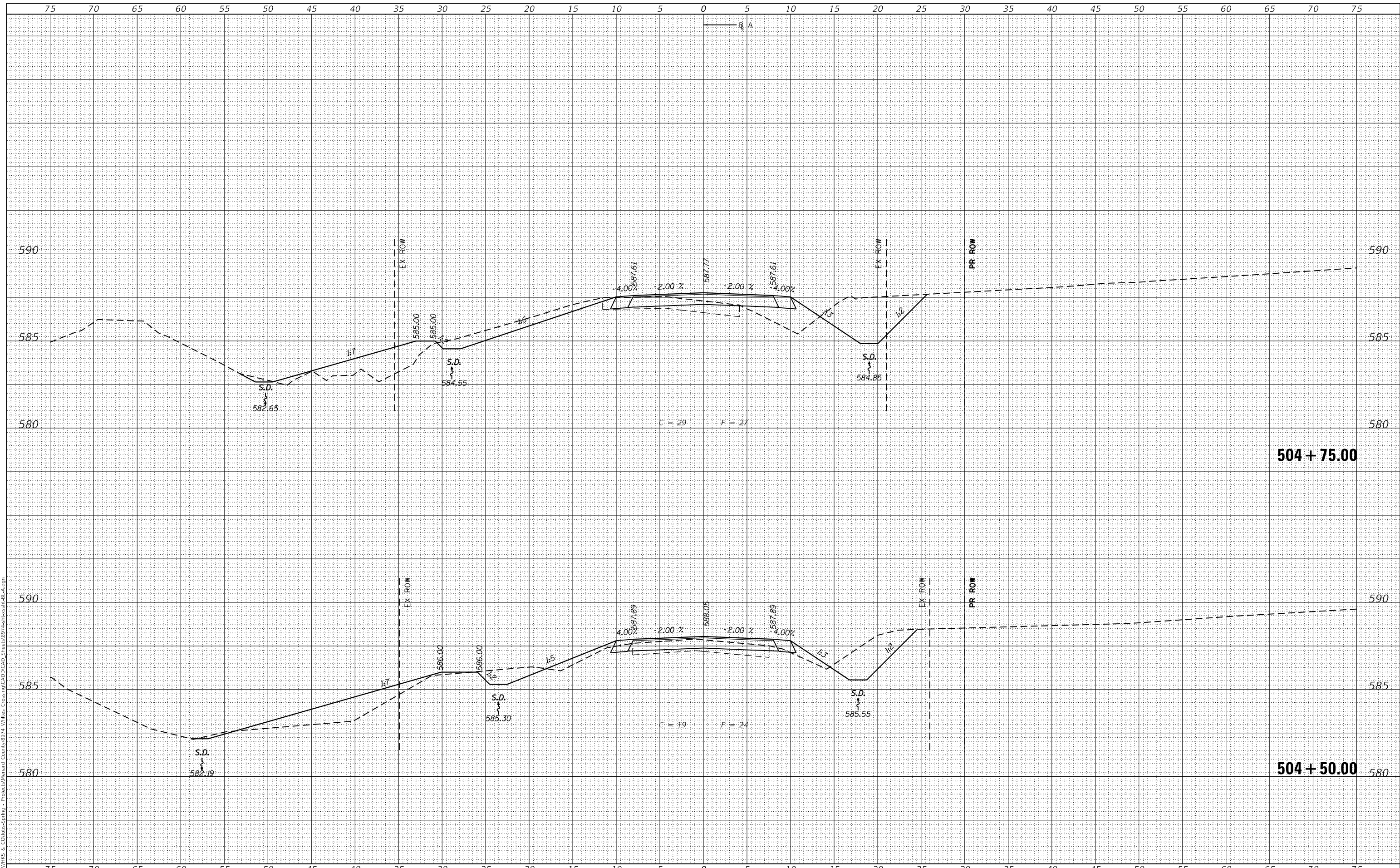
SCALE: 1" = 5'    SHEET 3 OF 12 SHEETS    STA. 504+00.00 TO STA. 504+25.00

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21	19-051117-00-RR	MENARD	43	18
CONTRACT NO.				
ILLINOIS			FED. AID PROJECT	

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

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

MODEL: Definit  
 FILE NAME: CSP\HWKS & COL\Jobs-Springs - Projects\Menard County\974 Whites Crossing\CAD\CAD\_Sheets\974-Whites-Crossing-Bl-C.dgn



USER NAME =	bjohnson
DESIGNED -	BJJ
DRAWN -	GSJ
CHECKED -	MRL
DATE -	8/28/2024
PLOT SCALE =	1/20,000" / ft.
PLOT DATE =	8/28/2024

REVISED -	
REVISED -	
REVISED -	
REVISED -	

**MENARD COUNTY HIGHWAY DEPARTMENT**

**CROSS SECTIONS BASELINE A  
WHITES CROSSING AVENUE**

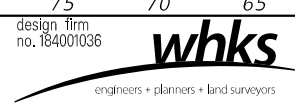
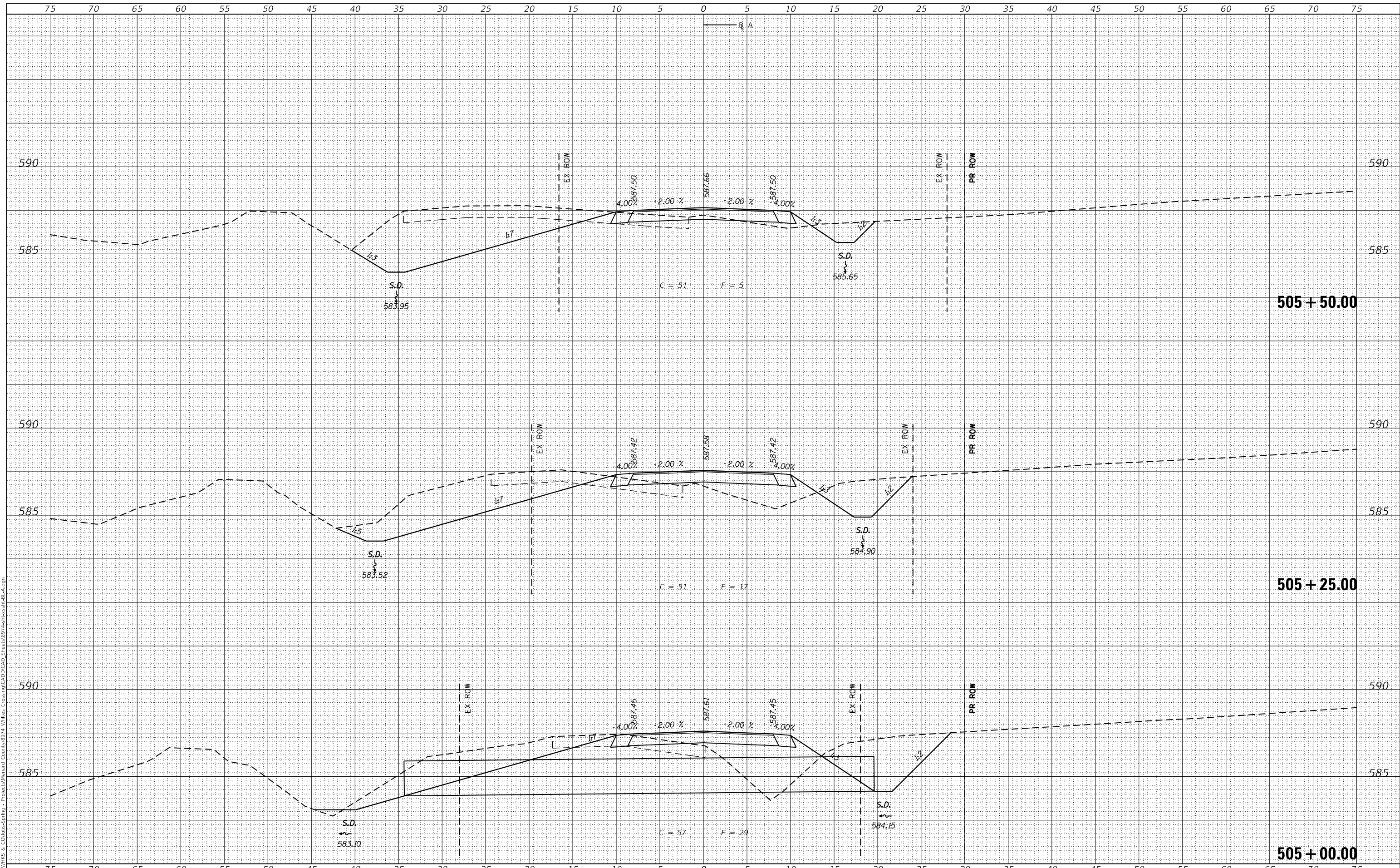
SCALE: 1" = 5'    SHEET 4 OF 12 SHEETS    STA. 504+50.00 TO STA. 504+75.00

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21	19-051117-00-RR	MENARD	43	19
CONTRACT NO.				
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 Definit  
 design firm no. 184001036  
 FILE NAME: C:\pwworking\whks\Projects\Menard County\1974 Whites Crossing\CAD\CAD\_Sheets\974-Whites-Crossing-Bl-1.dgn



USER NAME =	bjohnson
DESIGNED -	BJJ
DRAWN -	GSJ
CHECKED -	MRL
DATE -	8/28/2024

REVISED -	
REVISED -	
REVISED -	
REVISED -	

**MENARD COUNTY HIGHWAY DEPARTMENT**

**CROSS SECTIONS BASELINE A  
WHITES CROSSING AVENUE**

SCALE: 1" = 5'    SHEET 5 OF 12 SHEETS    STA. 505+00.00 TO STA. 505+50.00

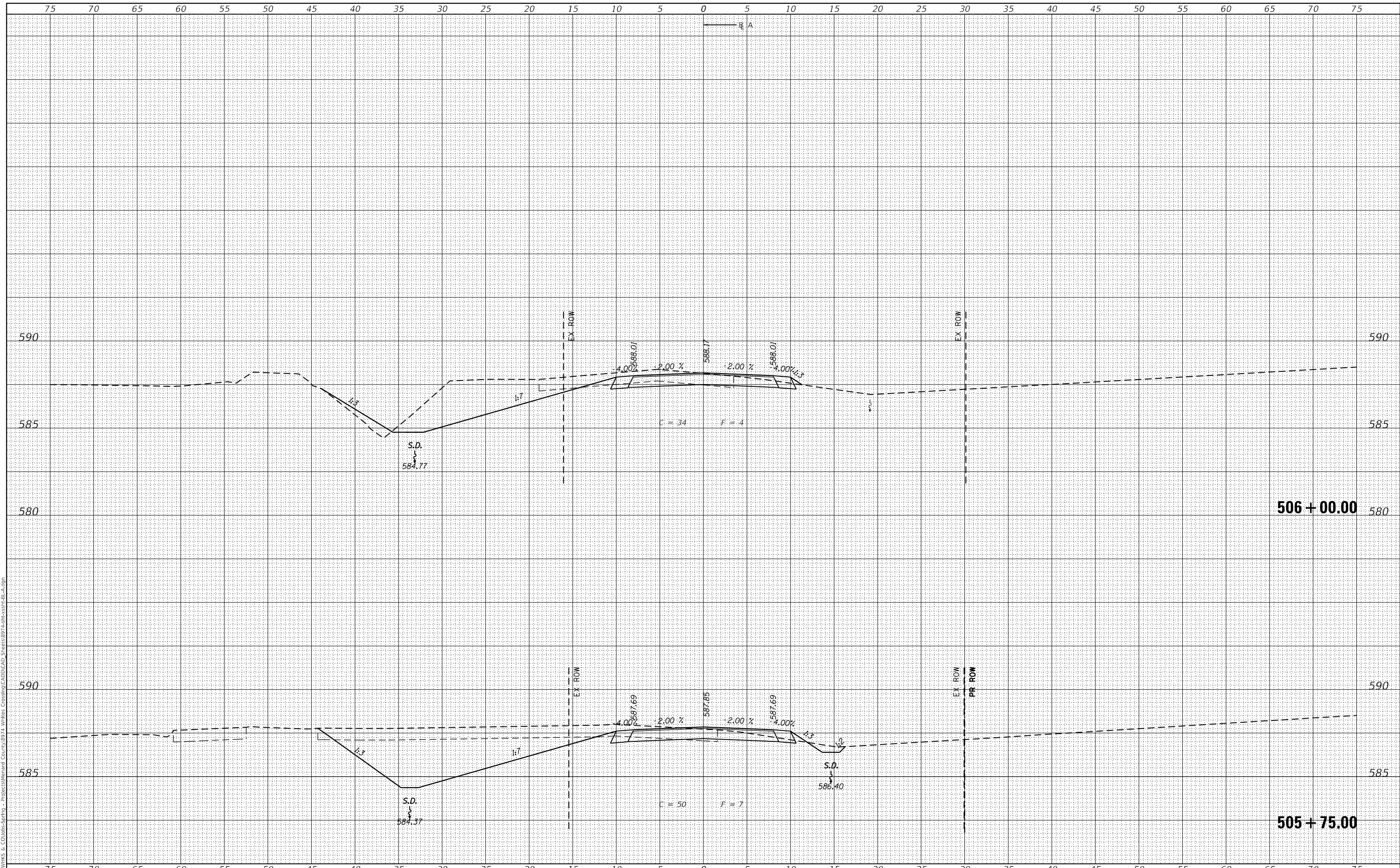
T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21	19-051117-00-RR	MENARD	43	20
CONTRACT NO.				

ILLINOIS FED. AID PROJECT

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

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

MODEL: Definit  
 FILE NAME: C:\pwwork\whks\COJobs\Springs - Projects\Menard County\9174 Whites Crossing\CADD\CAD\_Sheets\9174-whc-vxsh-bl-a.dgn



design firm  
no. 184001036  
**whks**  
engineers • planners • land surveyors

USER NAME =	bjohnson	DESIGNED -	BJJ	REVISED -	
		DRAWN -	GSJ	REVISED -	
		CHECKED -	MRL	REVISED -	
		DATE -	8/28/2024	REVISED -	

PLOT SCALE =	1/20,000" = 1' / ft.
PLOT DATE =	8/28/2024

**MENARD COUNTY HIGHWAY DEPARTMENT**

**CROSS SECTIONS BASELINE A  
WHITES CROSSING AVENUE**

SCALE: 1" = 5'    SHEET 6 OF 12 SHEETS    STA. 505+75.00 TO STA. 506+00.00

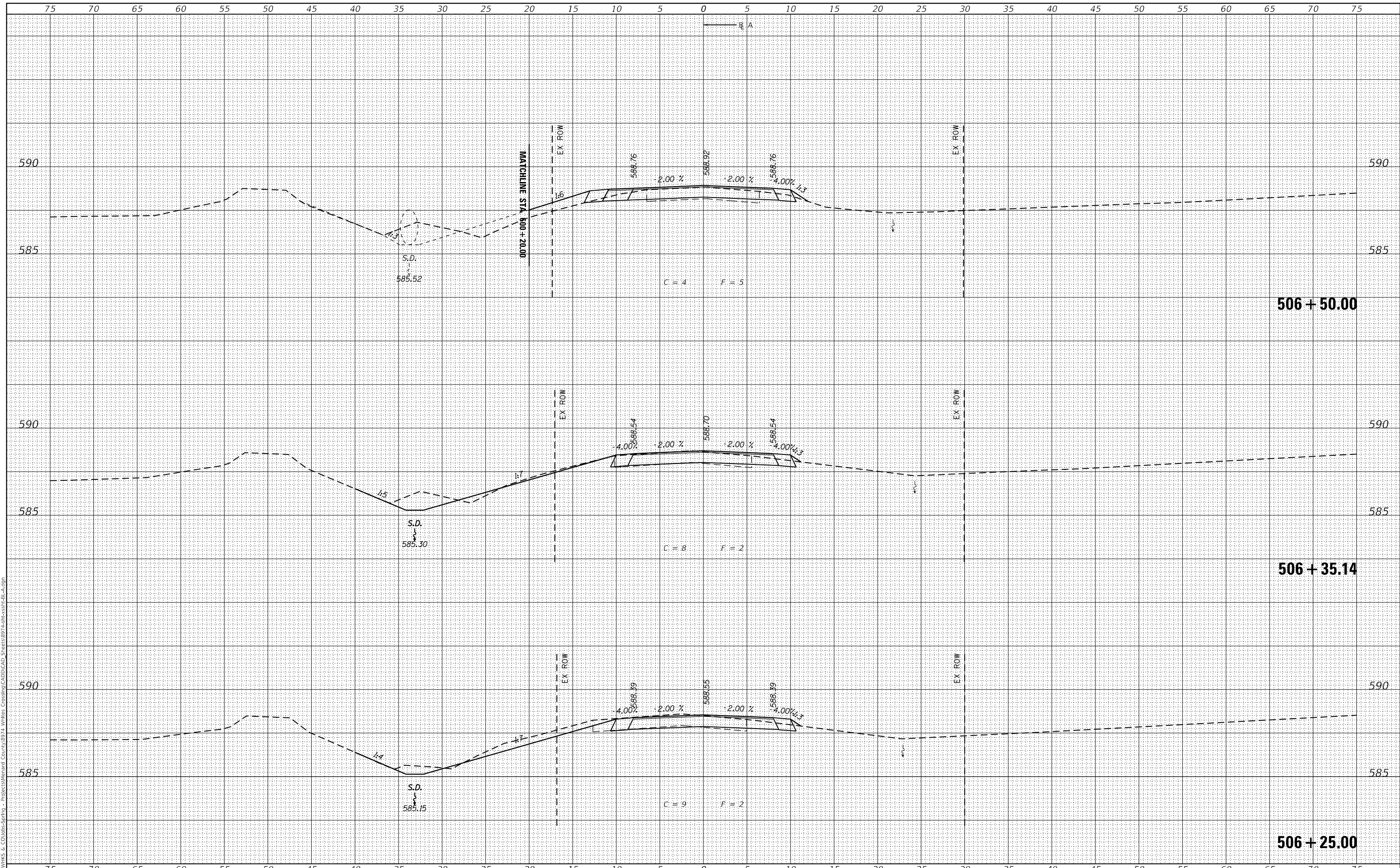
T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21	19-051117-00-RR	MENARD	43	21
CONTRACT NO.				
ILLINOIS		FED. AID PROJECT		



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: Definit  
 FILE NAME: CSPAWIKS & COLLETS-SPRING - Projects\Menard County\9774 Whites Crossing\CADD\CAD\_Sheets\9774-shc-vcsh-bl-a.dgn



design firm  
 no. 184001036  
**whks**  
 engineers + planners + land surveyors

USER NAME =	bjohnson	DESIGNED -	BJJ	REVISED -	
		DRAWN -	GSJ	REVISED -	
PLOT SCALE =	120,000' / ft.	CHECKED -	MRL	REVISED -	
PLOT DATE =	8/28/2024	DATE -	8/28/2024	REVISED -	

**MENARD COUNTY HIGHWAY DEPARTMENT**

**CROSS SECTIONS BASELINE A  
 WHITES CROSSING AVENUE**

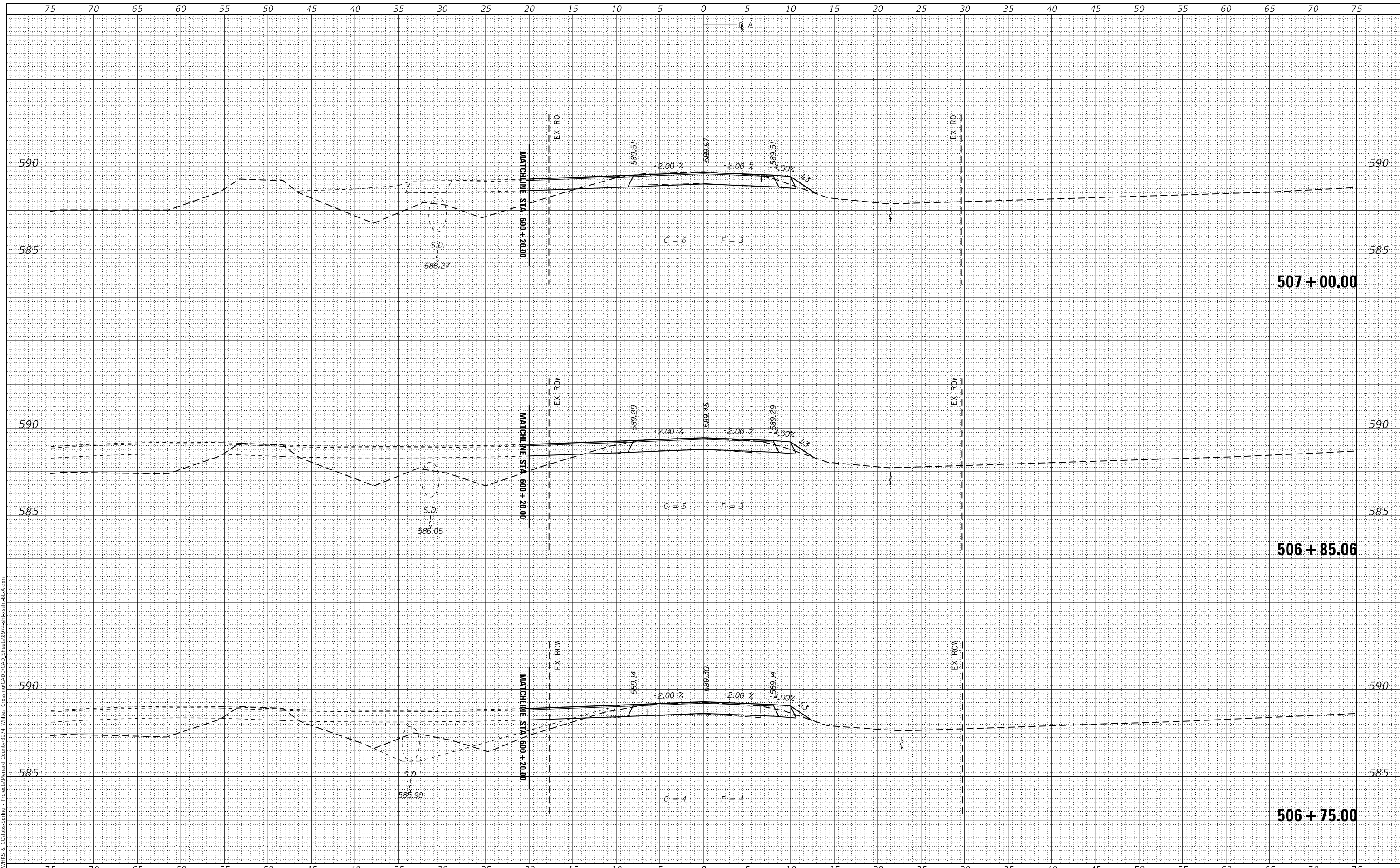
SCALE: 1" = 5'    SHEET 7 OF 12 SHEETS    STA. 506+25.00 TO STA. 506+50.00

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21	19-051117-00-RR	MENARD	43	22
CONTRACT NO.				
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: Definit  
 FILE NAME: CSP\HWKS & COL\bb-Springs - Projects\Menard County\974 Whites Crossing\CAD\CAD\_Sheets\974-Whit-cross-BL.dgn



design firm  
 no. 184001036  
**whks**  
 engineers + planners + land surveyors

USER NAME =	bjohnson
DESIGNED -	BJJ
DRAWN -	GSJ
CHECKED -	MRL
DATE -	8/28/2024

REVISED -	
REVISED -	
REVISED -	
REVISED -	

**MENARD COUNTY HIGHWAY DEPARTMENT**

**CROSS SECTIONS BASELINE A  
 WHITES CROSSING AVENUE**

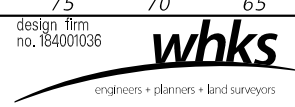
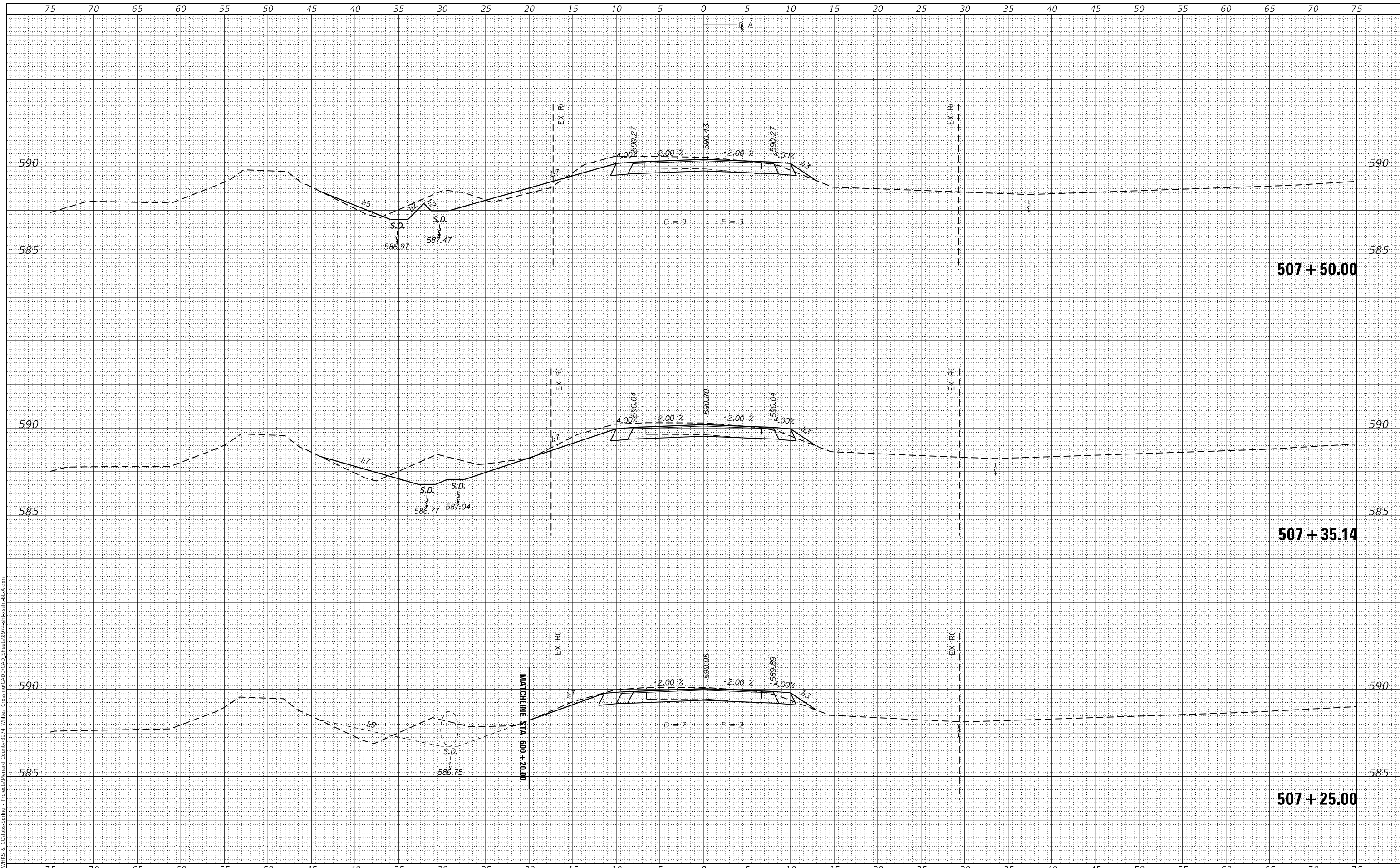
SCALE: 1" = 5'    SHEET 8 OF 12 SHEETS    STA. 506+75.00 TO STA. 507+00.00

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21	19-051117-00-RR	MENARD	43	23
CONTRACT NO.				
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: Definit  
 FILE NAME: CSP\HWKS & COL\bb-Springs - Projects\Menard County\974 Whites Crossing\CADD\CAD\_Sheets\974-Sub-vcsh-BL.dgn



USER NAME =	bjohnson
DESIGNED -	BJJ
DRAWN -	GSJ
CHECKED -	MRL
DATE -	8/28/2024
REVISIONS	
REVISED -	
REVISED -	
REVISED -	
REVISED -	

**MENARD COUNTY HIGHWAY DEPARTMENT**

**CROSS SECTIONS BASELINE A  
WHITES CROSSING AVENUE**

SCALE: 1" = 5' SHEET 9 OF 12 SHEETS STA. 507+25.00 TO STA. 507+50.00

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21	19-051117-00-RR	MENARD	43	24
CONTRACT NO.				

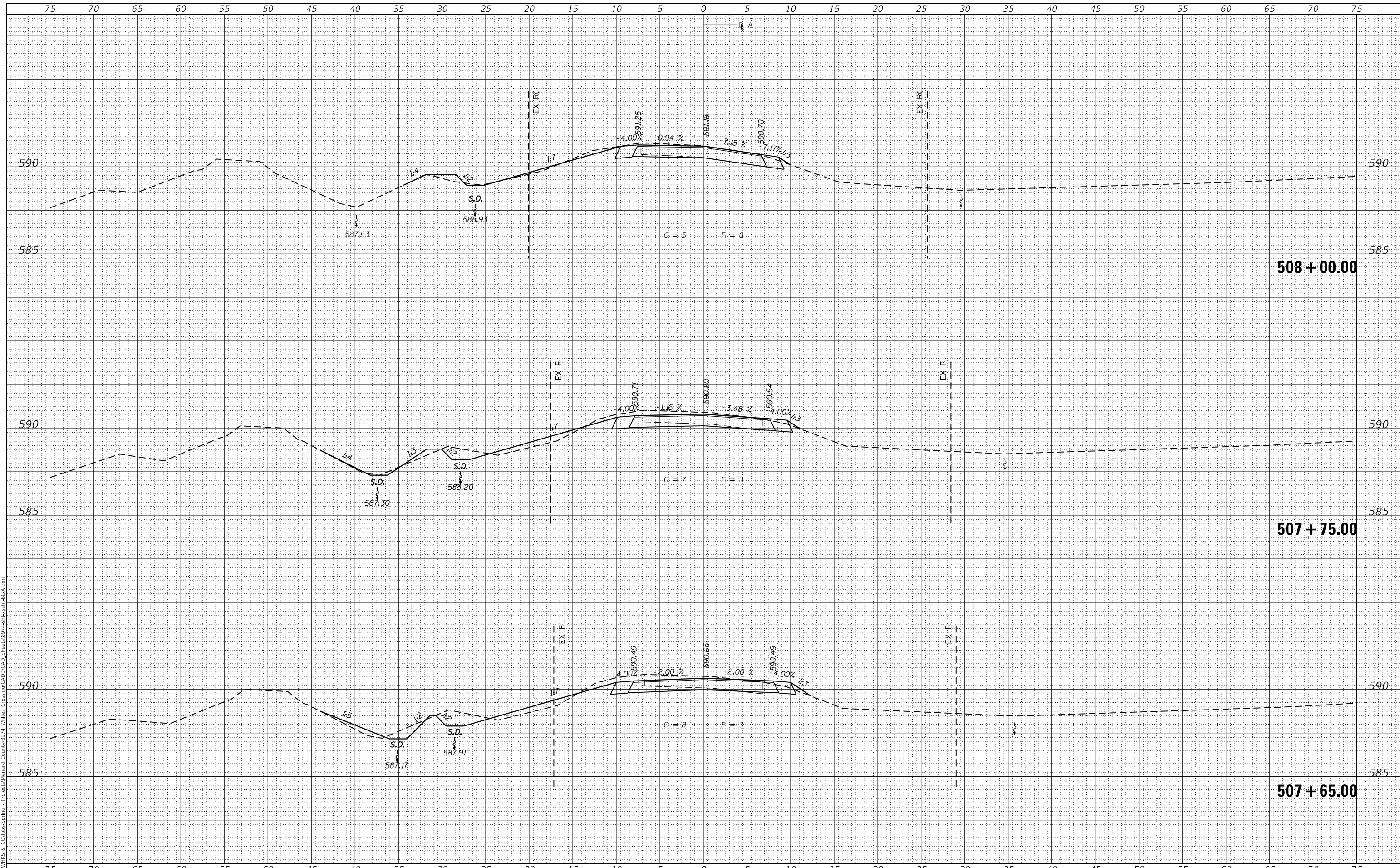
ILLINOIS FED. AID PROJECT



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: Definit  
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USER NAME =	bjohnson
DESIGNED -	BJJ
DRAWN -	GSJ
CHECKED -	MRL
DATE -	8/28/2024
REVISIONS	
REVISED -	
REVISED -	
REVISED -	
REVISED -	

**MENARD COUNTY HIGHWAY DEPARTMENT**

**CROSS SECTIONS BASELINE A  
WHITES CROSSING AVENUE**

SCALE: 1" = 5' SHEET 10 OF 12 SHEETS STA. 507+65.00 TO STA. 508+00.00

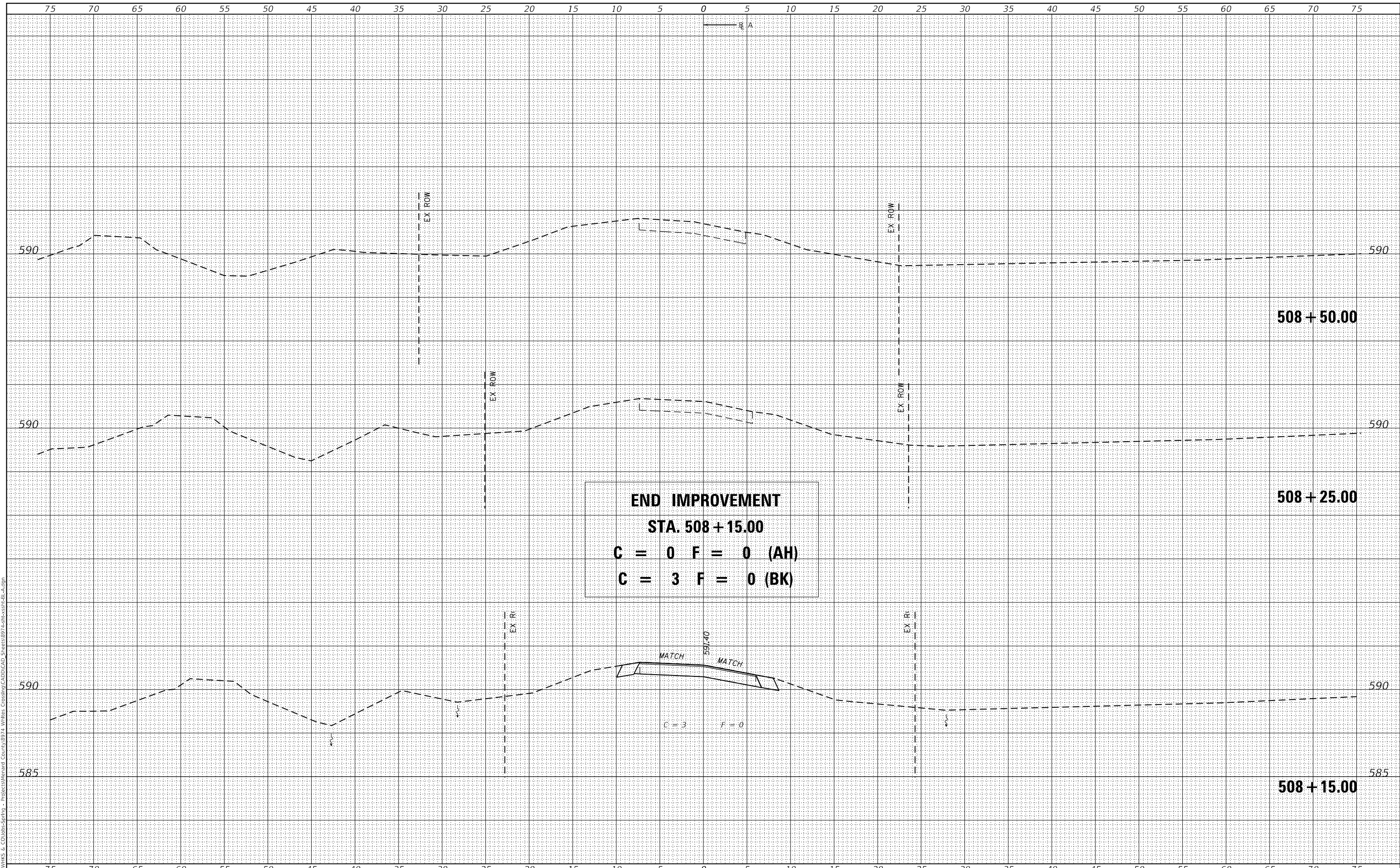
T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21	19-051117-00-RR	MENARD	43	25
CONTRACT NO.				

ILLINOIS FED. AID PROJECT

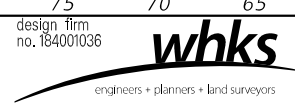
DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

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

MODEL: Definit  
 FILE NAME: C:\pawmks & CO\whs-sprng - Projects\Menard County\974 Whites Crossing\CADD\CAD Sheets\974-whs-vxsh-bl-a.dgn



**END IMPROVEMENT**  
**STA. 508+15.00**  
**C = 0 F = 0 (AH)**  
**C = 3 F = 0 (BK)**



USER NAME =	bjohnson	DESIGNED -	BJJ	REVISED -	
		DRAWN -	GSJ	REVISED -	
PLOT SCALE =	120,000' / ft.	CHECKED -	MRL	REVISED -	
PLOT DATE =	8/28/2024	DATE -	8/28/2024	REVISED -	

**MENARD COUNTY HIGHWAY DEPARTMENT**

**CROSS SECTIONS BASELINE A**  
**WHITES CROSSING AVENUE**

SCALE: 1" = 5'    SHEET 11 OF 12 SHEETS    STA. 508+15.00 TO STA. 508+50.00

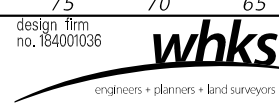
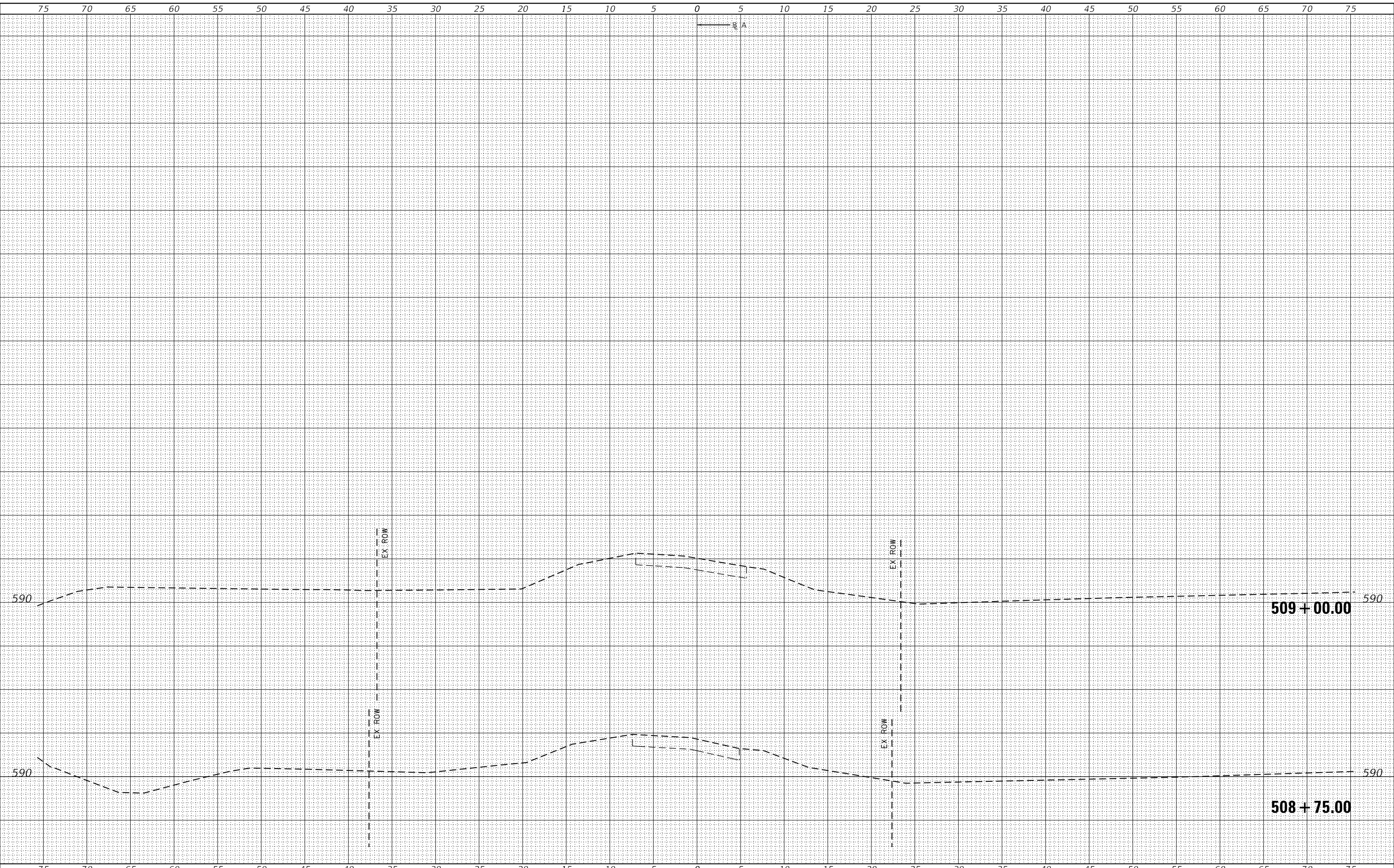
T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21	19-051117-00-RR	MENARD	43	26
CONTRACT NO.				

ILLINOIS FED. AID PROJECT

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

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

MODEL: Definit  
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USER NAME =	bjohnson	DESIGNED -	BJJ	REVISED -	
		DRAWN -	GSJ	REVISED -	
PLOT SCALE =	1/20,000" = 1' / ft.	CHECKED -	MRL	REVISED -	
PLOT DATE =	8/28/2024	DATE -	8/28/2024	REVISED -	

**MENARD COUNTY HIGHWAY DEPARTMENT**

**CROSS SECTIONS BASELINE A  
WHITES CROSSING AVENUE**

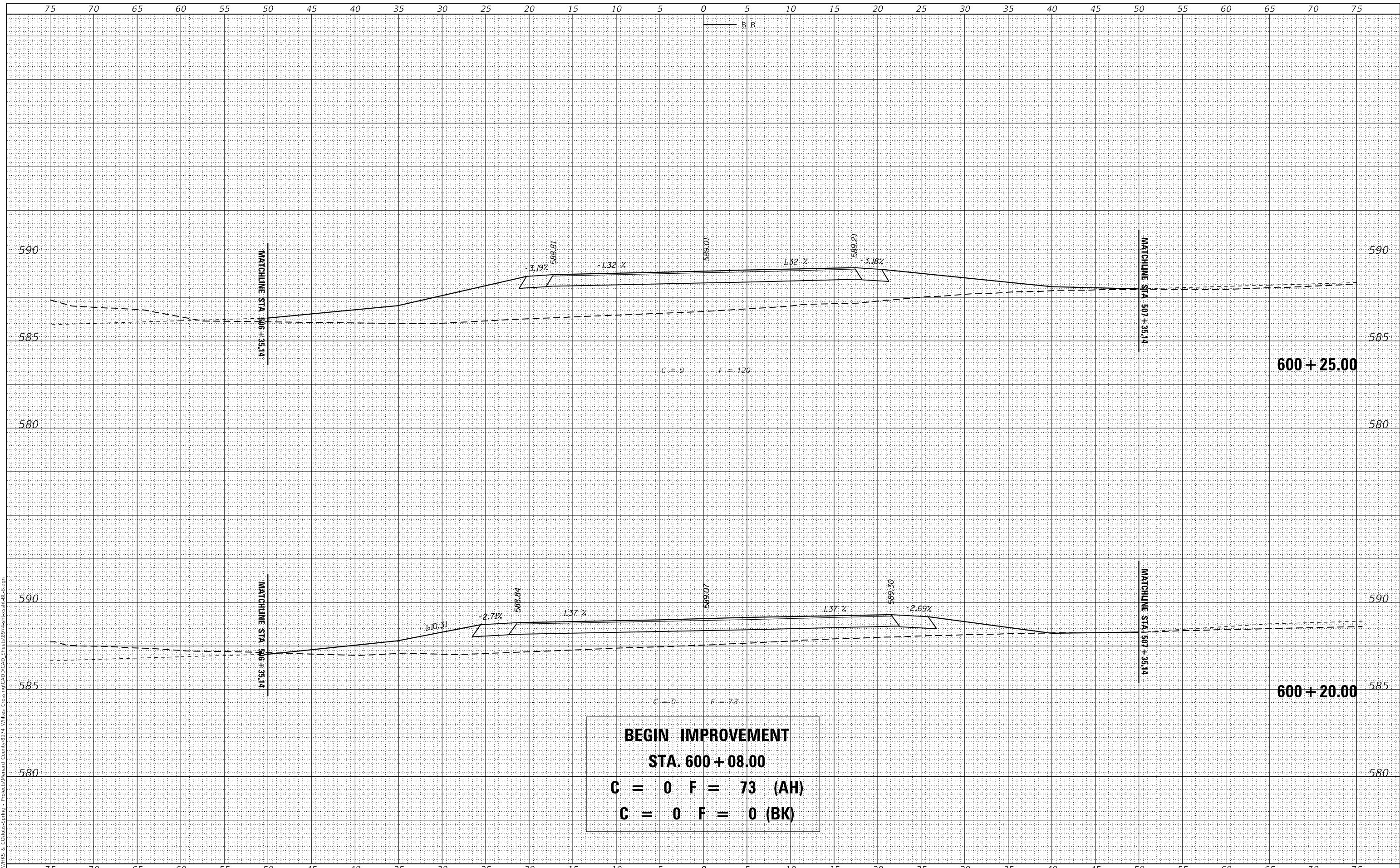
SCALE: 1" = 5'    SHEET 12 OF 12 SHEETS    STA. 508+75.00 TO STA. 509+00.00

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21	19-051117-00-RR	MENARD	43	27
CONTRACT NO.				
ILLINOIS			FED. AID PROJECT	

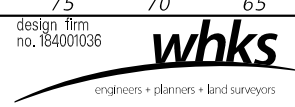
FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
AREAS CHECKED	TEMPLATE	
	AREAS CHECKED	

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

MODEL: Definit  
 FILE NAME: C:\pwworks\c\colabs\spring - projects\menard county\974 Whites Crossing\CADD\CAD Sheets\974-Whites Crossing-RL-2.dgn



**BEGIN IMPROVEMENT**  
**STA. 600 + 08.00**  
**C = 0 F = 73 (AH)**  
**C = 0 F = 0 (BK)**



USER NAME = bjohnson	DESIGNED - BJJ	REVISED -
	DRAWN - GSJ	REVISED -
PLOT SCALE = 1/20,000" = 1' / ft.	CHECKED - MRL	REVISED -
PLOT DATE = 8/28/2024	DATE - 8/28/2024	REVISED -

**MENARD COUNTY HIGHWAY DEPARTMENT**

**CROSS SECTIONS BASELINE B  
 WHITES CROSSING AVENUE**

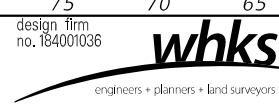
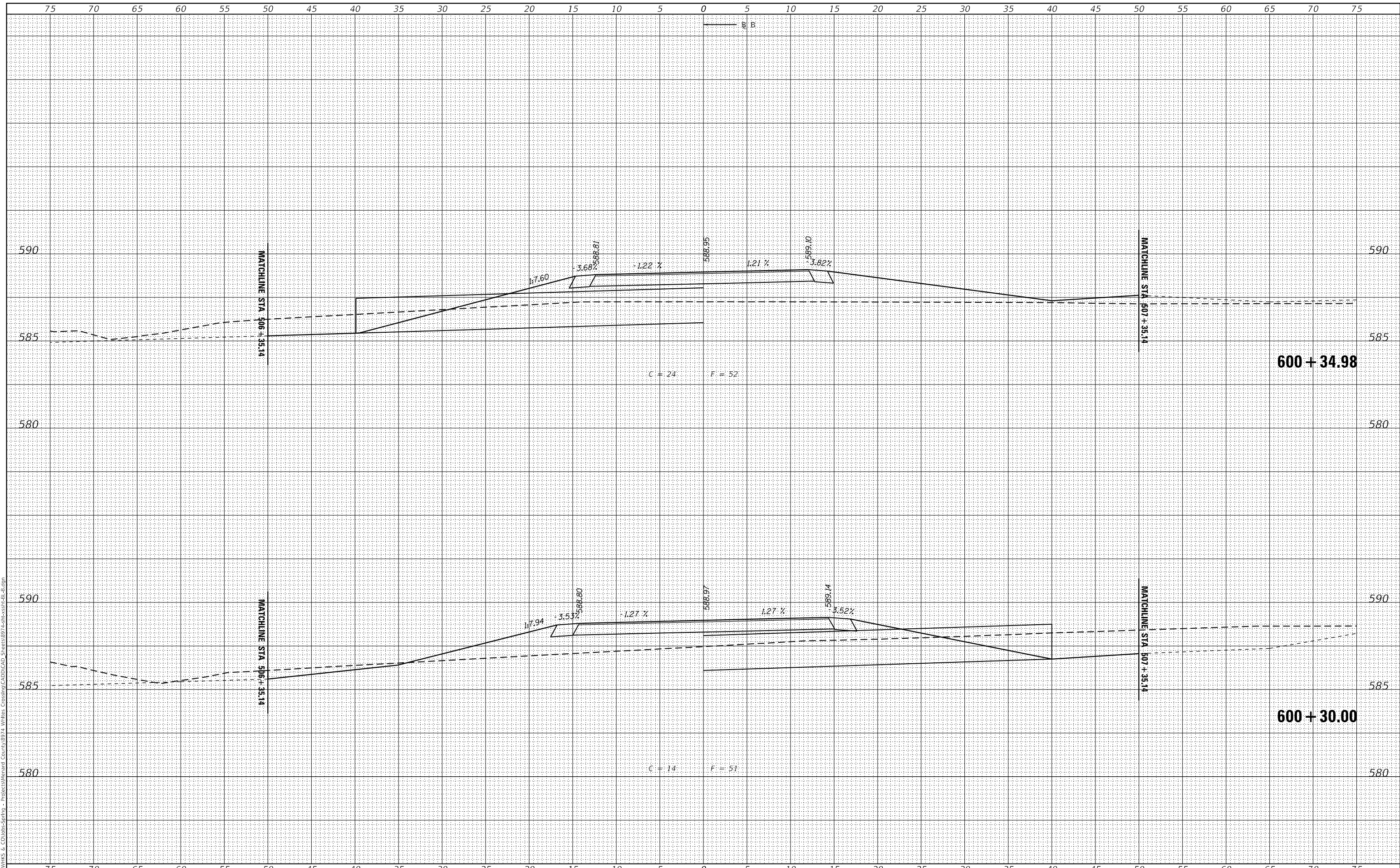
SCALE: 1" = 5' SHEET 1 OF 8 SHEETS STA. 600+20.00 TO STA. 600+25.00

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21	19-051117-00-RR	MENARD	43	28
CONTRACT NO.				
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	

MODEL: Definit  
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 PROJECT: Menard County 0974 Whites Crossing



USER NAME =	bjohnson
DESIGNED -	BJJ
DRAWN -	GSJ
CHECKED -	MRL
DATE -	8/28/2024
DESIGNED -	REVISD -
DRAWN -	REVISD -
CHECKED -	REVISD -
DATE -	REVISD -

DESIGNED -	REVISD -
DRAWN -	REVISD -
CHECKED -	REVISD -
DATE -	REVISD -

**MENARD COUNTY HIGHWAY DEPARTMENT**

<b>CROSS SECTIONS BASELINE B</b>			
<b>WHITES CROSSING AVENUE</b>			
SCALE: 1" = 5'	SHEET 2	OF 8 SHEETS	STA. 600+30.00 TO STA. 600+34.98

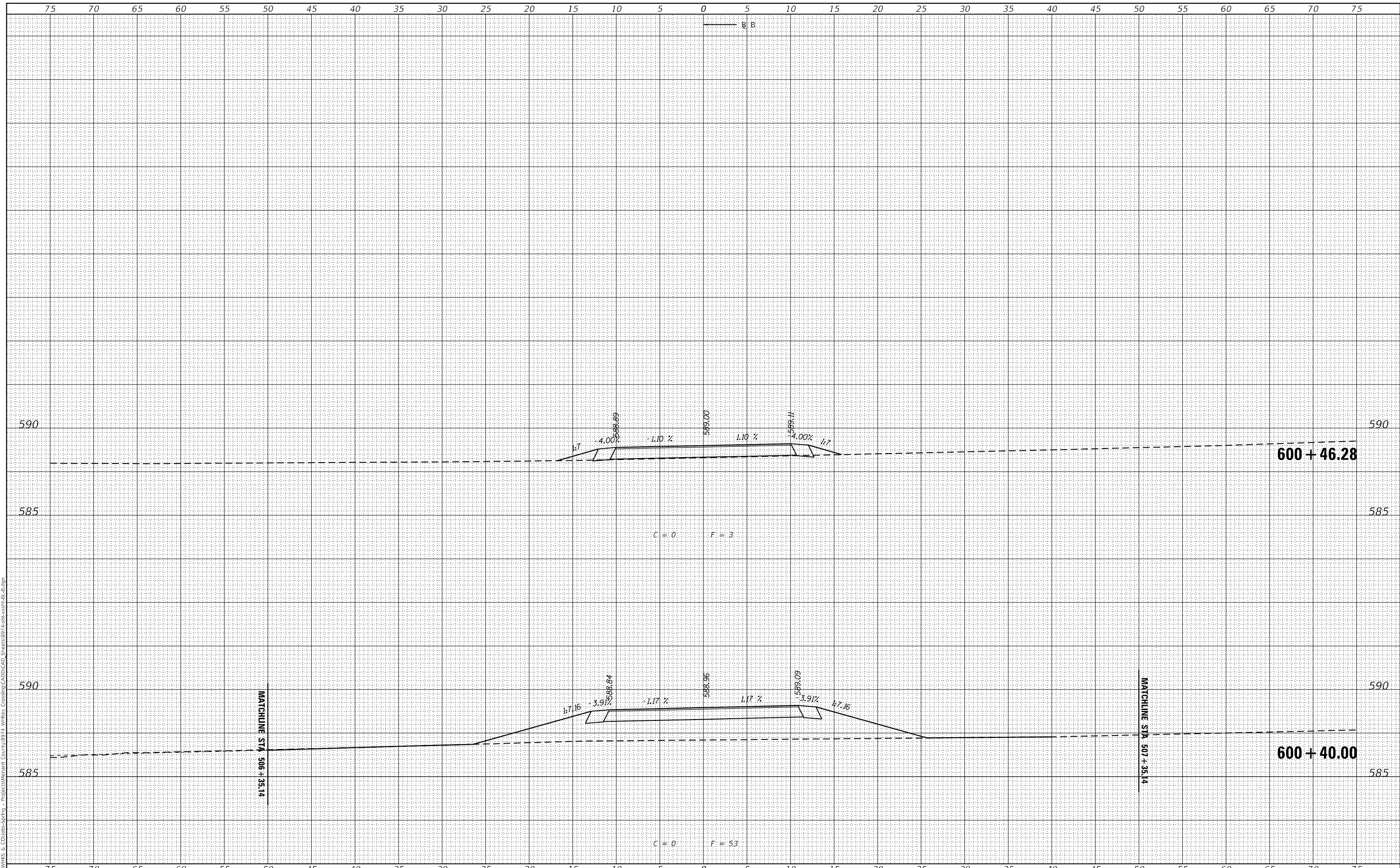
T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21	19-051117-00-RR	MENARD	43	29
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



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

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

MODEL: Definit  
 FILE NAME: C:\pwworks\c\collob-springs - Project\Menard County\974 Whites Crossing\CADD\CAD Sheets\974-whc-vstn-bl-2.dgn



design firm  
no. 184001036  
**whks**  
engineers + planners + land surveyors

USER NAME = bjohnson	DESIGNED - BJJ	REVISED -
	DRAWN - GSJ	REVISED -
PLOT SCALE = 1/20,000" / ft.	CHECKED - MRL	REVISED -
PLOT DATE = 8/28/2024	DATE - 8/28/2024	REVISED -

**MENARD COUNTY HIGHWAY DEPARTMENT**

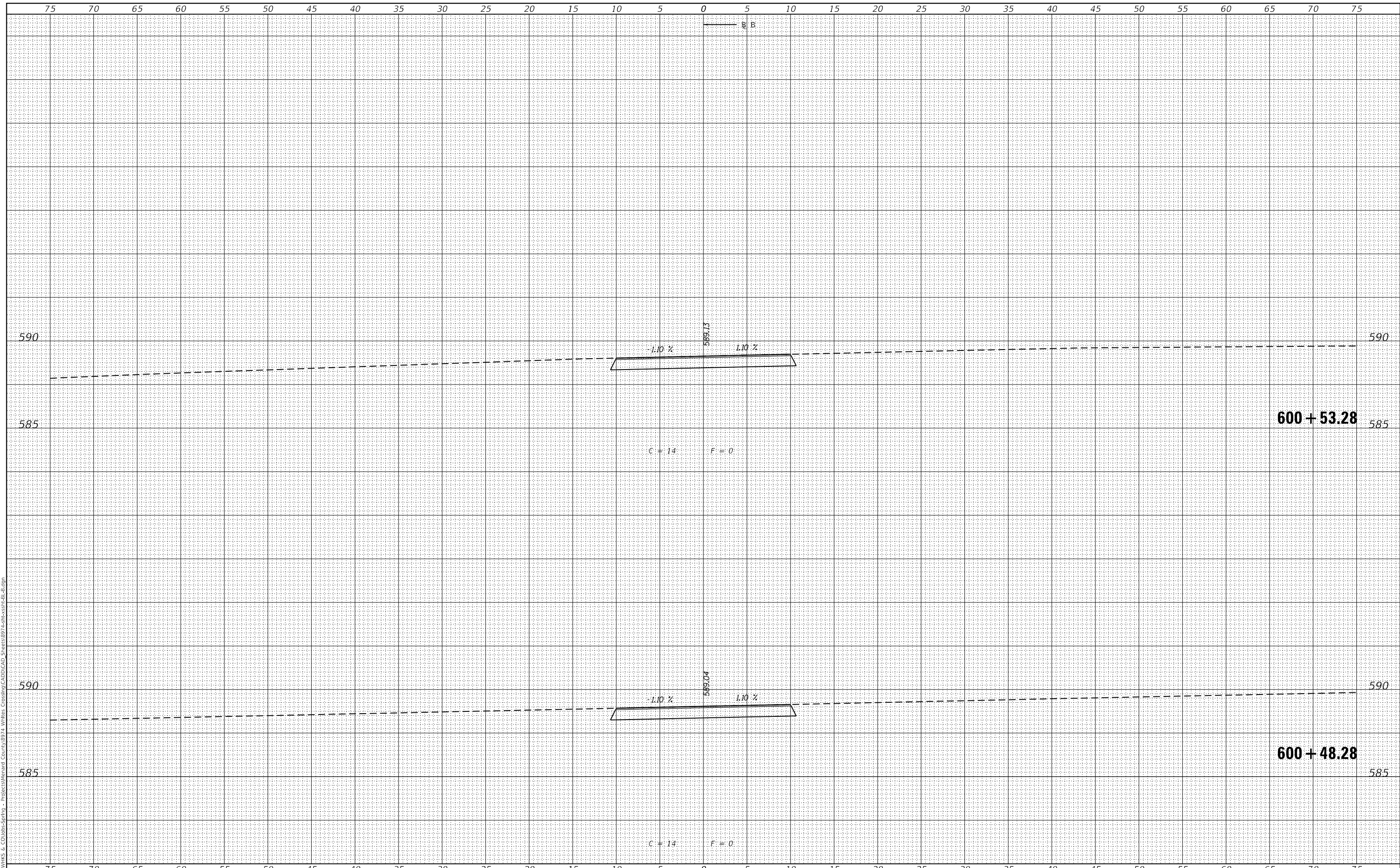
<b>CROSS SECTIONS BASELINE B</b>			
<b>WHITES CROSSING AVENUE</b>			
SCALE: 1" = 5'	SHEET 3	OF 8 SHEETS	STA. 600+40.00 TO STA. 600+46.28

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21	19-051117-00-RR	MENARD	43	30
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

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

ORIGINAL SURVEY NO.	SURVEYED	DATE
	PLOTTED	BY
	TEMPLATE	
	AREAS CHECKED	

MODEL: Definit  
 FILE NAME: C:\pwworks\csp\whks\CO\Jobs-Springs - Projects\Menard County\974 Whites Crossing\CADD\CAD\_Sheets\974-whc-vxsh-bl-2.dgn



design firm  
 no. 184001036  
**whks**  
 engineers • planners • land surveyors

USER NAME = bjohnson	DESIGNED - BJJ	REVISED -
	DRAWN - GSJ	REVISED -
PLOT SCALE = 1/20,000" = 1' / ft.	CHECKED - MRL	REVISED -
PLOT DATE = 8/28/2024	DATE - 8/28/2024	REVISED -

**MENARD COUNTY HIGHWAY DEPARTMENT**

**CROSS SECTIONS BASELINE B  
 WHITES CROSSING AVENUE**

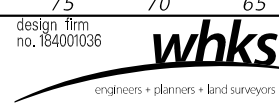
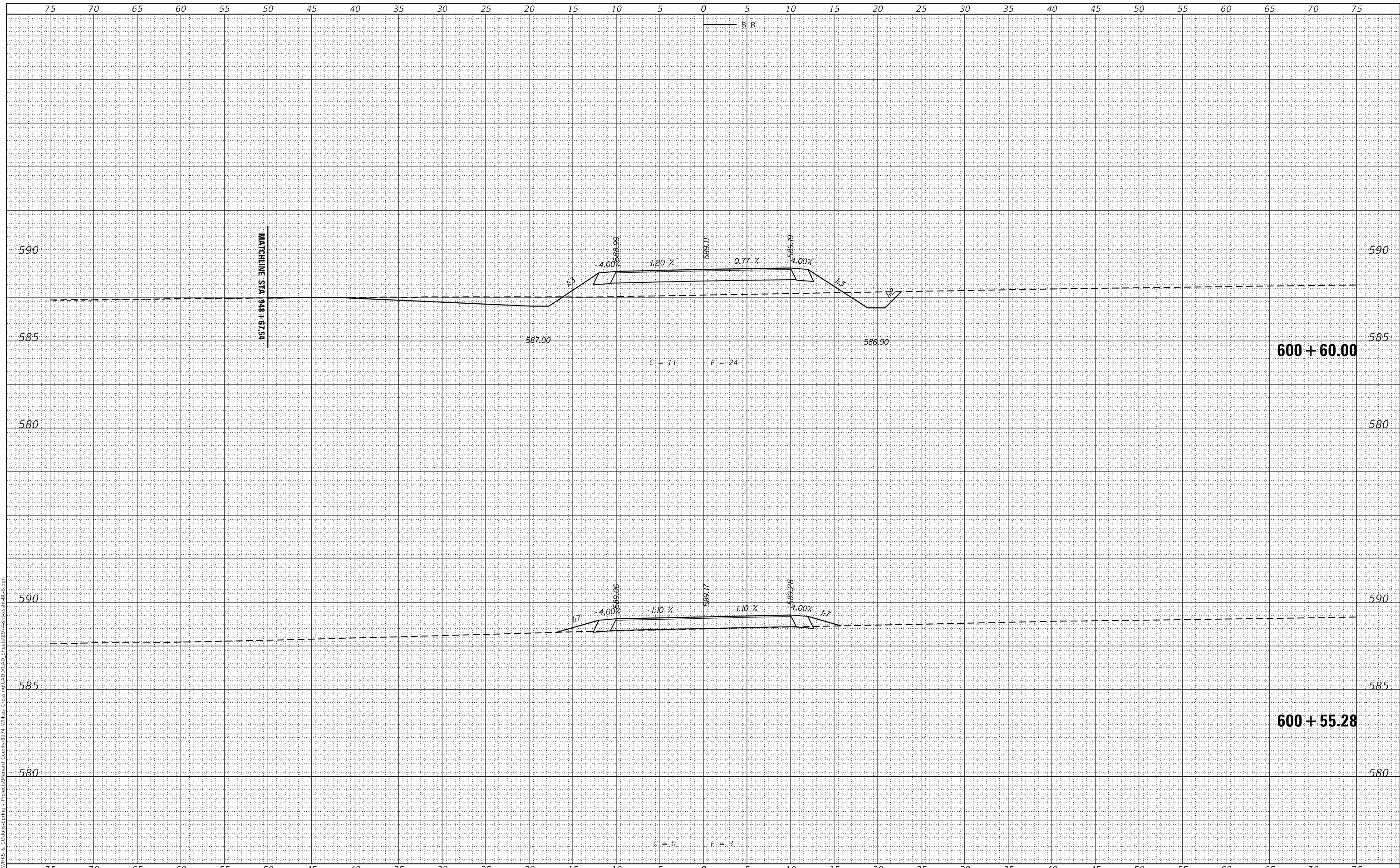
SCALE: 1" = 5'    SHEET 4 OF 8 SHEETS    STA. 600+48.28 TO STA. 600+53.28

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21	19-051117-00-RR	MENARD	43	31
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Definit  
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USER NAME =	bjohnson
DESIGNED -	BJJ
DRAWN -	GSJ
CHECKED -	MRL
DATE -	8/28/2024
PLOT SCALE =	120,000' / ft.
PLOT DATE =	8/28/2024

REVISIED -	
REVISIED -	
REVISIED -	
REVISIED -	

MENARD COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS BASELINE B  
 WHITES CROSSING AVENUE

SCALE: 1" = 5' SHEET 5 OF 8 SHEETS STA. 600+55.28 TO STA. 600+60.00

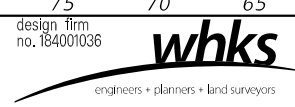
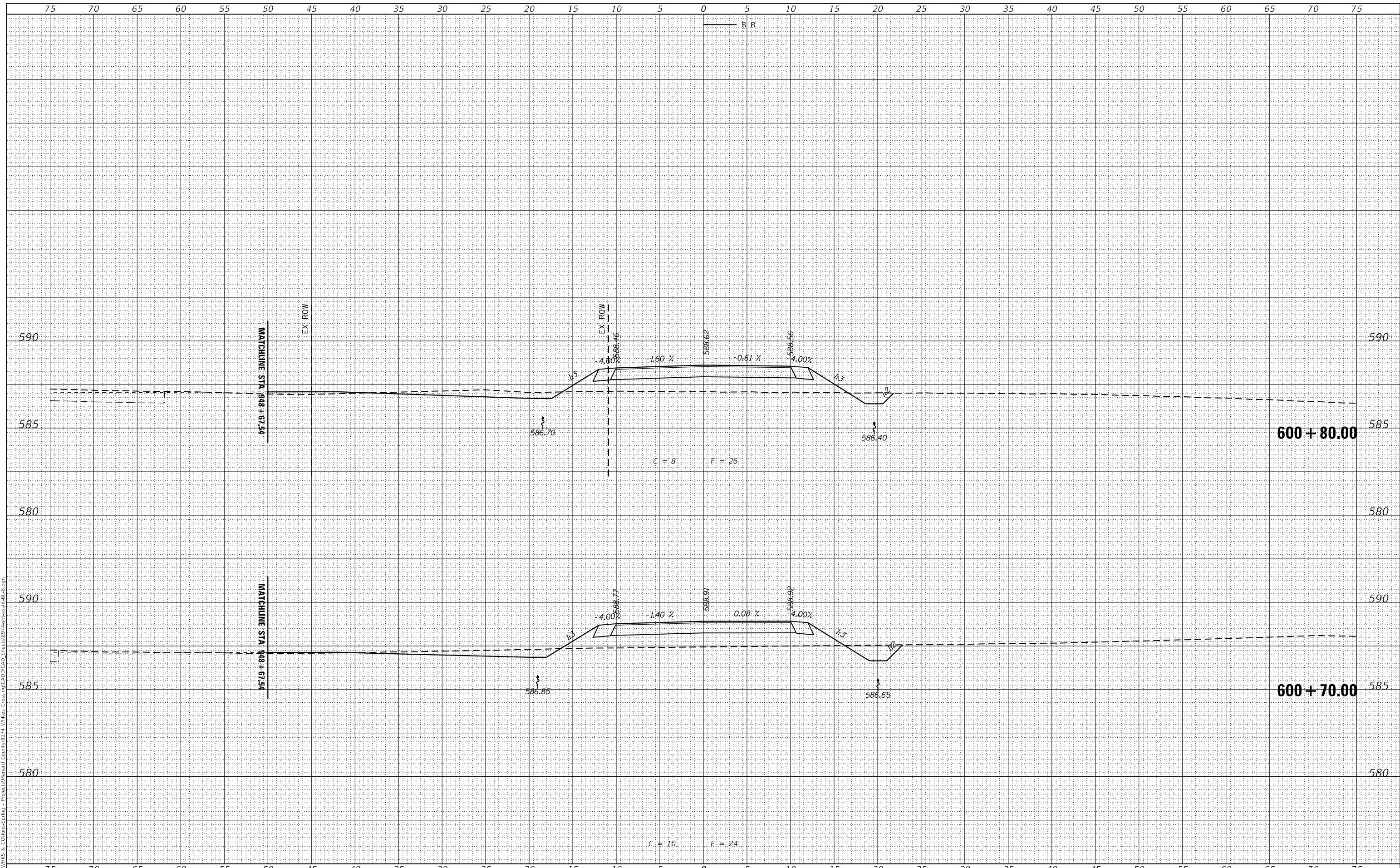
T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21	19-051117-00-RR	MENARD	43	32
CONTRACT NO.				
ILLINOIS			FED. AID PROJECT	



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

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

MODEL: Definit  
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USER NAME =	bjohnson
DESIGNED -	BJJ
DRAWN -	GSJ
CHECKED -	MRL
DATE -	8/28/2024

REVISED -	
REVISED -	
REVISED -	
REVISED -	

**MENARD COUNTY HIGHWAY DEPARTMENT**

**CROSS SECTIONS BASELINE B  
WHITES CROSSING AVENUE**

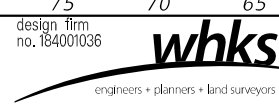
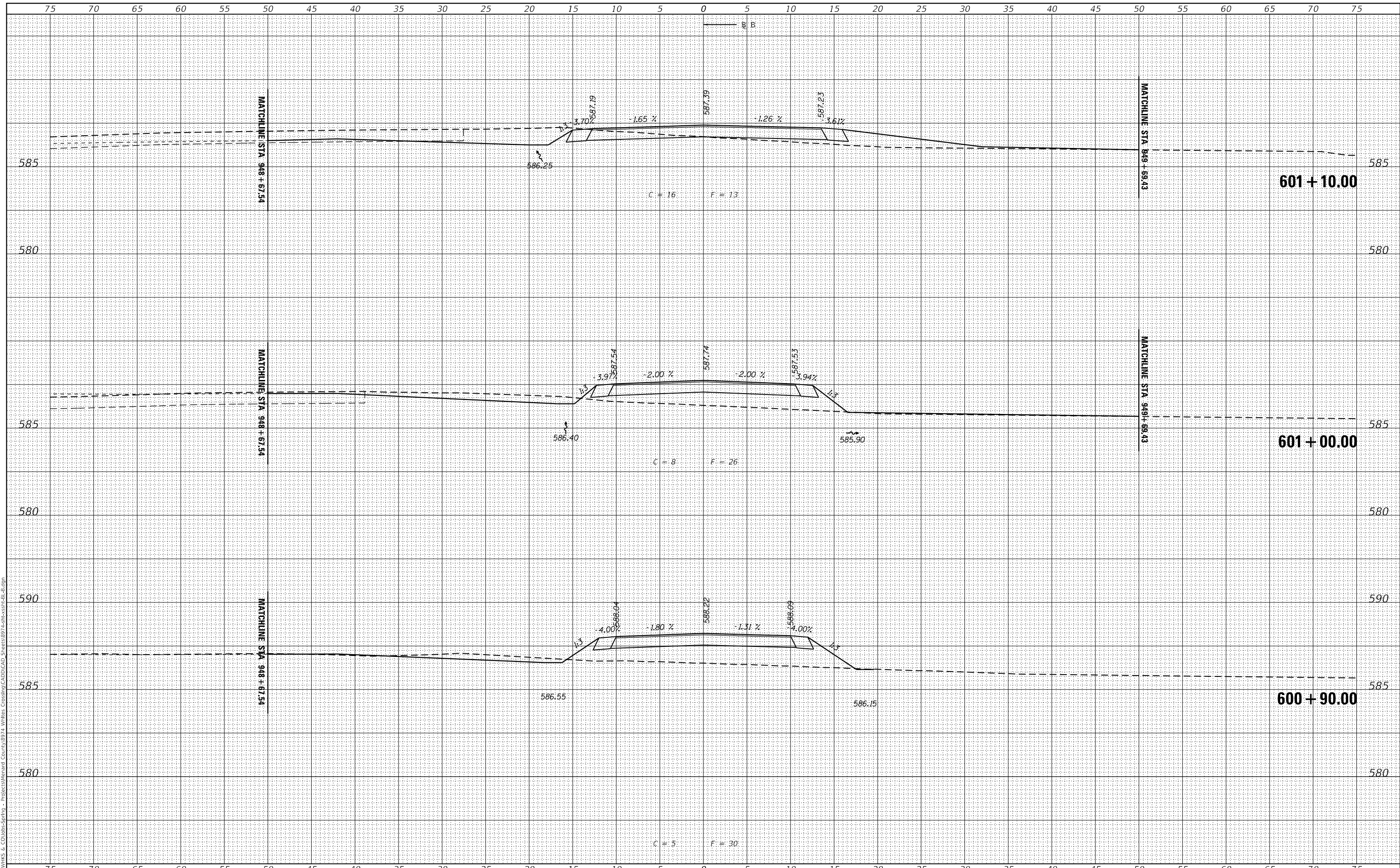
SCALE: 1" = 5' SHEET 6 OF 8 SHEETS STA. 600+70.00 TO STA. 600+80.00

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21	19-051117-00-RR	MENARD	43	33
CONTRACT NO.				
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: Definit  
 FILE NAME: CSP\HWKS & COL\obss-springs - Projects\Menard County\974 Whites Crossing\CADD\CAD Sheets\974-ssh-vssh-bl-2.dgn



USER NAME =	bjohnson
DESIGNED -	BJJ
DRAWN -	GSJ
CHECKED -	MRL
DATE -	8/28/2024
REVISIONS	
REVISED -	
REVISED -	
REVISED -	
REVISED -	

MENARD COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS BASELINE B  
 WHITES CROSSING AVENUE

SCALE: 1" = 5' SHEET 7 OF 8 SHEETS STA. 600+90.00 TO STA. 601+10.00

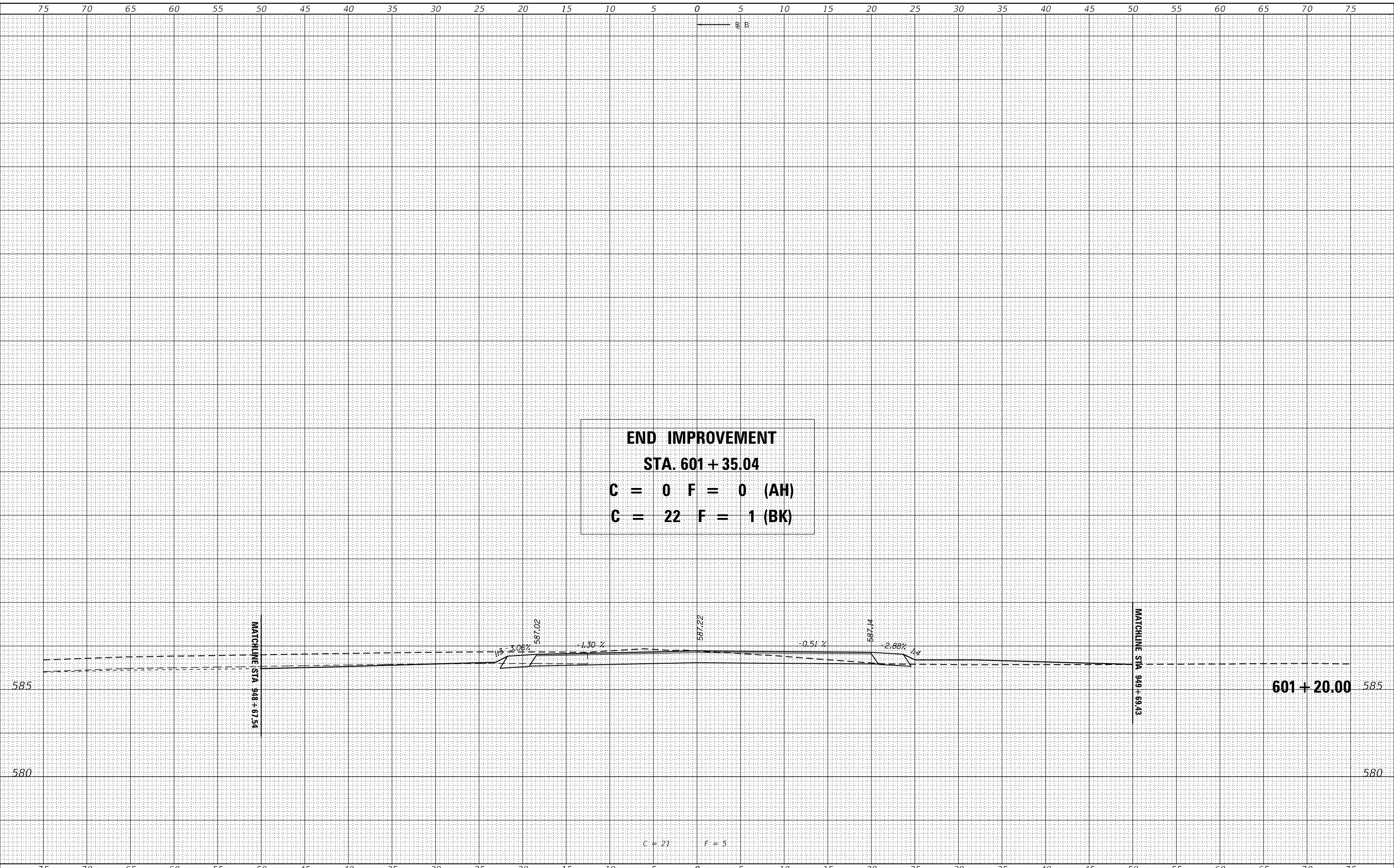
T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21	19-051117-00-RR	MENARD	43	34
CONTRACT NO.				

ILLINOIS FED. AID PROJECT

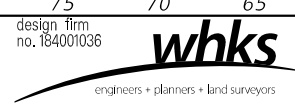
FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
AREAS CHECKED	TEMPLATE	
	AREAS CHECKED	

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

MODEL: Definit  
 FILE NAME: C:\pawmks & CO\jobs-springs - Projects\Menard County\974 Whites Crossing\CADD\CAD Sheets\974-Whit-cross-bl-2.dgn



**END IMPROVEMENT**  
**STA. 601+35.04**  
**C = 0 F = 0 (AH)**  
**C = 22 F = 1 (BK)**



USER NAME = bjohnson	DESIGNED - BJJ	REVISED -
PLOT SCALE = 1/20,000" = 1" / ft.	DRAWN - GSJ	REVISED -
PLOT DATE = 8/28/2024	CHECKED - MRL	REVISED -
	DATE - 8/28/2024	REVISED -

**MENARD COUNTY HIGHWAY DEPARTMENT**

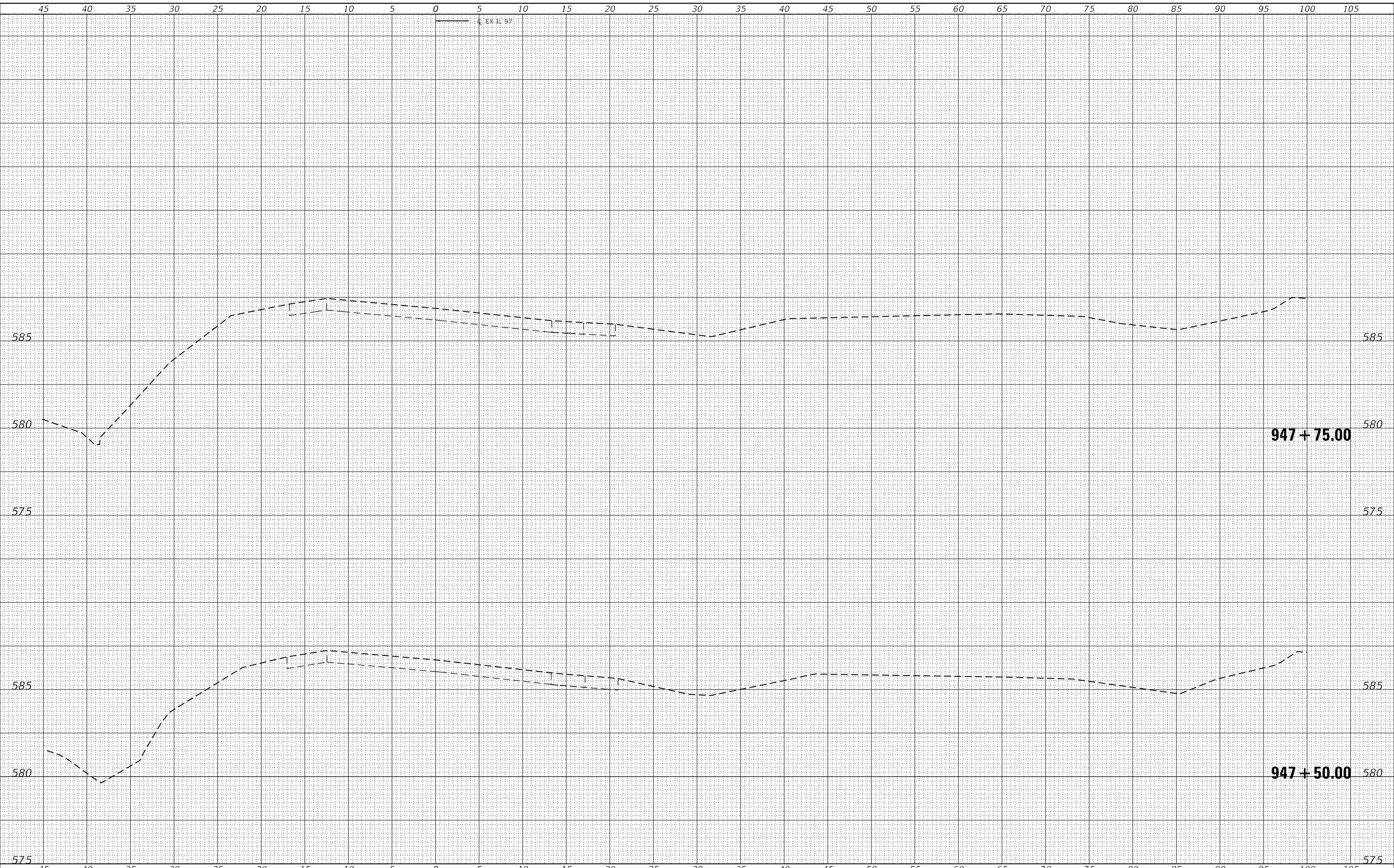
<b>CROSS SECTIONS BASELINE B</b>			
<b>WHITES CROSSING AVENUE</b>			
SCALE: 1" = 5'	SHEET 8	OF 8 SHEETS	STA. 601+20.00 TO STA. 601+20.00

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21	19-051117-00-RR	MENARD	43	35
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Default  
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design firm  
no. 184001036  
**whks**  
engineers + planners + land surveyors

USER NAME = bjohnson	DESIGNED - BJJ	REVISED -
	DRAWN - GSJ	REVISED -
PLOT SCALE = 1/20,000" = 1" / ft.	CHECKED - MRL	REVISED -
PLOT DATE = 8/28/2024	DATE - 8/28/2024	REVISED -

**MENARD COUNTY HIGHWAY DEPARTMENT**

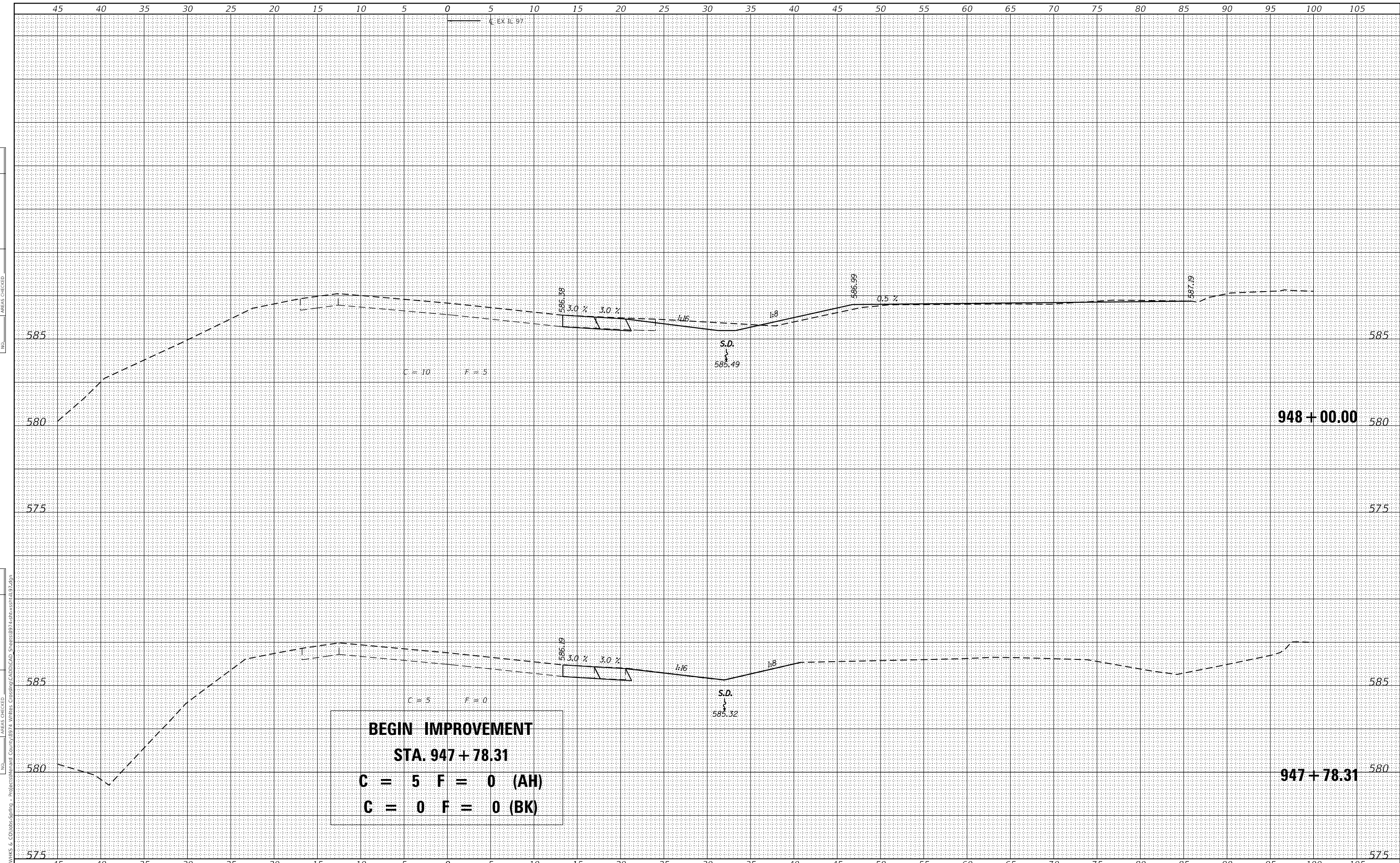
SCALE: 1" = 5'    SHEET 1 OF 8 SHEETS    STA. 947+50.00 TO STA. 947+75.00

**CROSS SECTIONS IL 97  
WHITES CROSSING AVENUE**

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21	19-051117-00-RR	MENARD	43	36
CONTRACT NO.				
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	



**BEGIN IMPROVEMENT**  
**STA. 947 + 78.31**  
**C = 5 F = 0 (AH)**  
**C = 0 F = 0 (BK)**

design firm  
no. 184001036  
**whks**  
engineers • planners • land surveyors

USER NAME = bjohnson	DESIGNED - BJJ	REVISED -
	DRAWN - GSJ	REVISED -
PLOT SCALE = 1/2" = 1' / ft.	CHECKED - MRL	REVISED -
PLOT DATE = 8/28/2024	DATE - 8/28/2024	REVISED -

**MENARD COUNTY HIGHWAY DEPARTMENT**

**CROSS SECTIONS IL 97**  
**WHITES CROSSING AVENUE**  
 SCALE: 1" = 5' SHEET 2 OF 8 SHEETS STA. 947+78.31 TO STA. 948+00.00

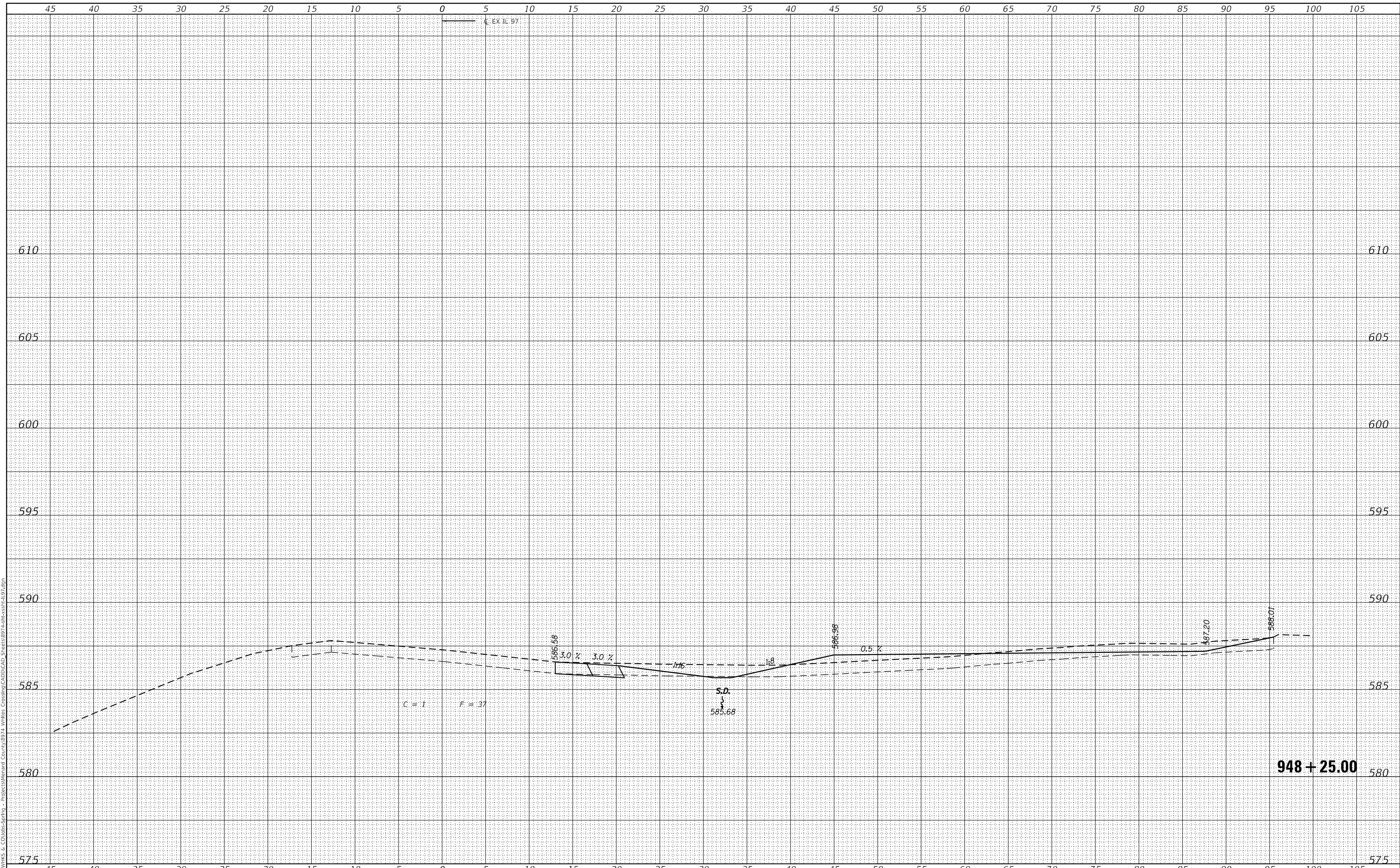
T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21	19-051117-00-RR	MENARD	43	37
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



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: Definit  
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design firm  
no. 184001036  
**whks**  
engineers • planners • land surveyors

USER NAME =	bjohnson	DESIGNED -	BJJ	REVISED -	
		DRAWN -	GSJ	REVISED -	
PLOT SCALE =	120,000' / ft.	CHECKED -	MRL	REVISED -	
PLOT DATE =	8/28/2024	DATE -	8/28/2024	REVISED -	

**MENARD COUNTY HIGHWAY DEPARTMENT**

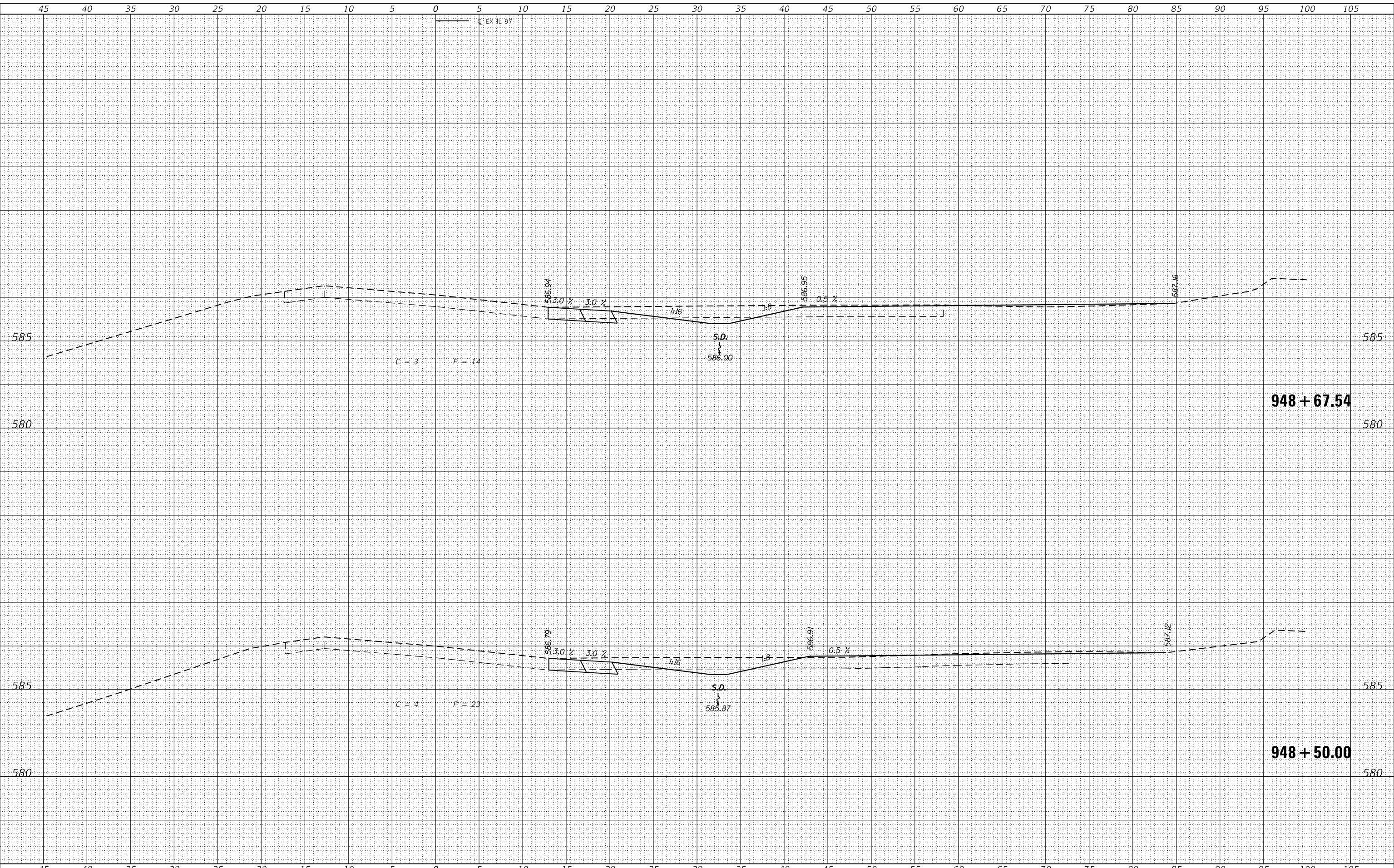
**CROSS SECTIONS IL 97**  
**WHITES CROSSING AVENUE**  
 SCALE: 1" = 5'    SHEET 3 OF 8 SHEETS    STA. 948+25.00 TO STA. 948+25.00

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21	19-051117-00-RR	MENARD	43	38
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Default  
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design firm  
no. 184001036  
**whks**  
engineers + planners + land surveyors

USER NAME = bjohnson	DESIGNED - BJJ	REVISED -
	DRAWN - GSJ	REVISED -
PLOT SCALE = 1/20,000" = 1' / ft.	CHECKED - MRL	REVISED -
PLOT DATE = 8/28/2024	DATE - 8/28/2024	REVISED -

**MENARD COUNTY HIGHWAY DEPARTMENT**

**CROSS SECTIONS IL 97  
WHITES CROSSING AVENUE**

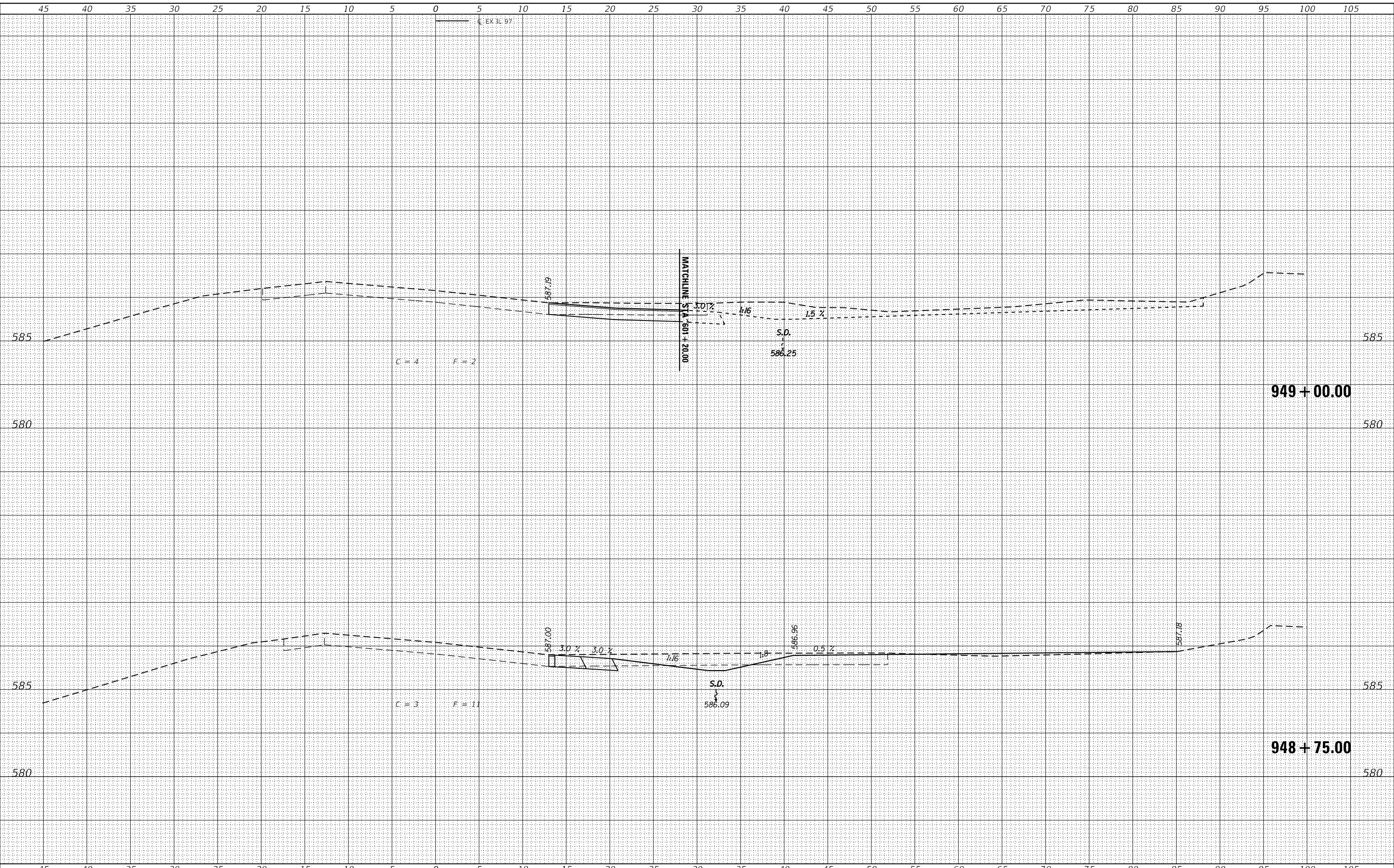
SCALE: 1" = 5'    SHEET 4 OF 8 SHEETS    STA. 948+50.00 TO STA. 948+67.54

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21	19-051117-00-RR	MENARD	43	39
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Definit  
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design firm  
no. 184001036  
**whks**  
engineers • planners • land surveyors

USER NAME = bjohnson	DESIGNED - BJJ	REVISED -
	DRAWN - GSJ	REVISED -
PLOT SCALE = 1/20,000" / ft.	CHECKED - MRL	REVISED -
PLOT DATE = 8/28/2024	DATE - 8/28/2024	REVISED -

**MENARD COUNTY HIGHWAY DEPARTMENT**

<b>CROSS SECTIONS IL 97</b>			
<b>WHITES CROSSING AVENUE</b>			
SCALE: 1" = 5'	SHEET 5	OF 8 SHEETS	STA. 948+75.00 TO STA. 949+00.00

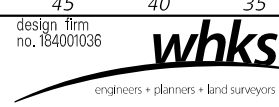
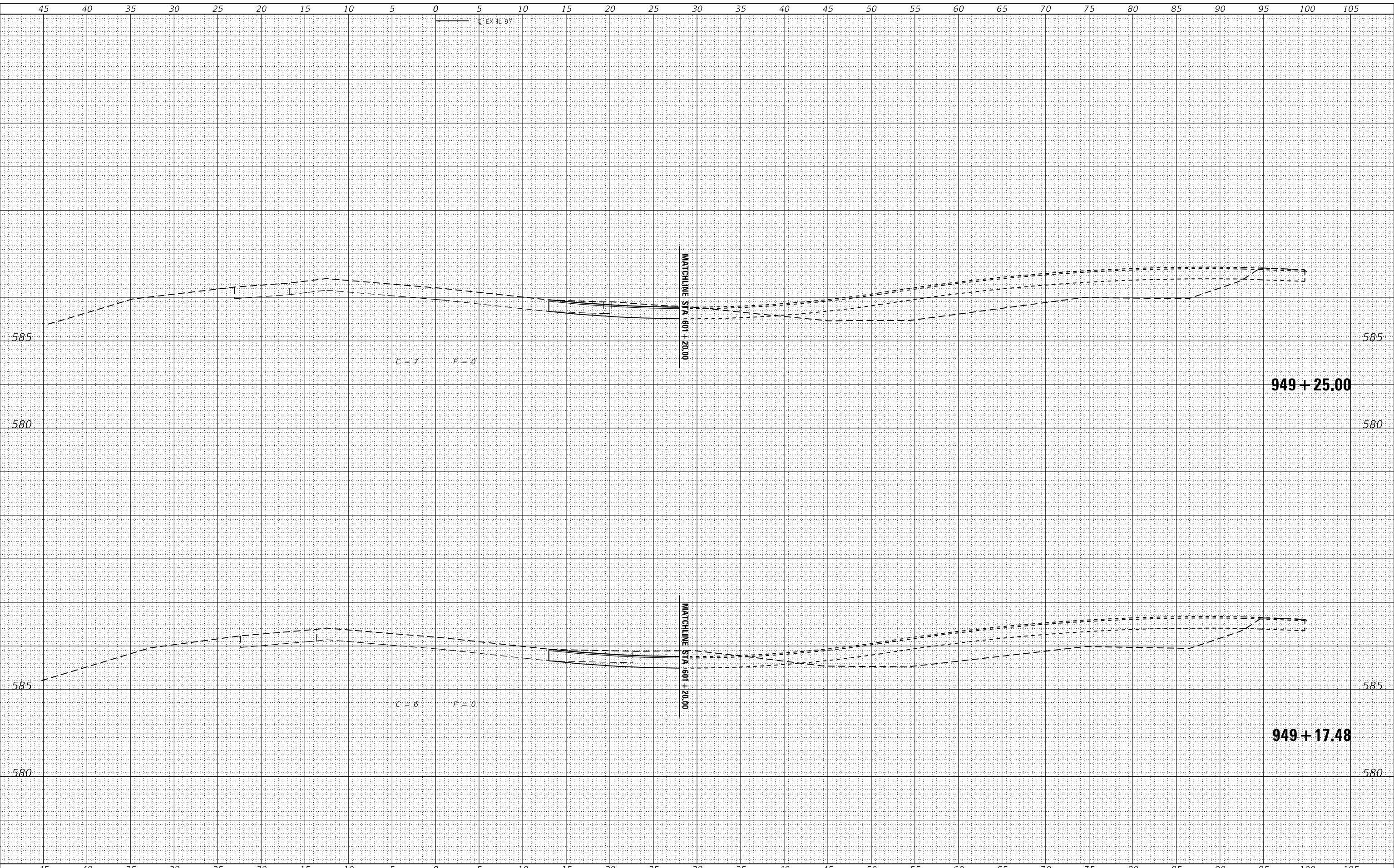
T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21	19-051117-00-RR	MENARD	43	40
CONTRACT NO.				
ILLINOIS		FED. AID PROJECT		



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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USER NAME =	bjohnson
DESIGNED -	BJJ
DRAWN -	GSJ
CHECKED -	MRL
DATE -	8/28/2024

REVISED -	
REVISED -	
REVISED -	
REVISED -	

**MENARD COUNTY HIGHWAY DEPARTMENT**

SCALE: 1" = 5' SHEET 6 OF 8 SHEETS STA. 949+17.48 TO STA. 949+25.00

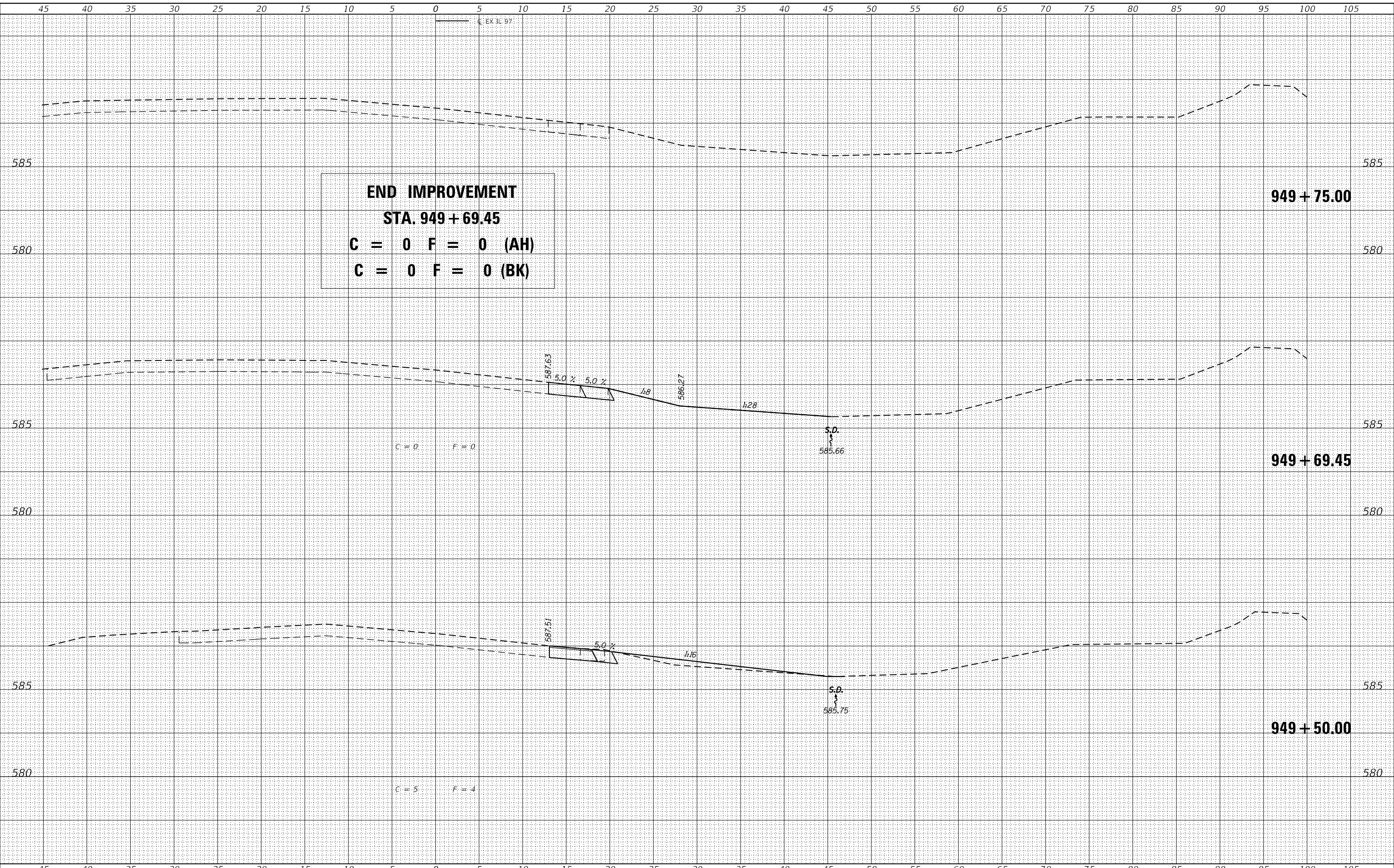
**CROSS SECTIONS IL 97  
 WHITES CROSSING AVENUE**

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21	19-051117-00-RR	MENARD	43	41
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

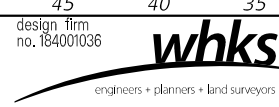
DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

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

MODEL: Definit  
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**END IMPROVEMENT**  
**STA. 949 + 69.45**  
**C = 0 F = 0 (AH)**  
**C = 0 F = 0 (BK)**



USER NAME =	bjohnson	DESIGNED -	BJJ	REVISED -	
		DRAWN -	GSJ	REVISED -	
PLOT SCALE =	120,000' / ft.	CHECKED -	MRL	REVISED -	
PLOT DATE =	8/28/2024	DATE -	8/28/2024	REVISED -	

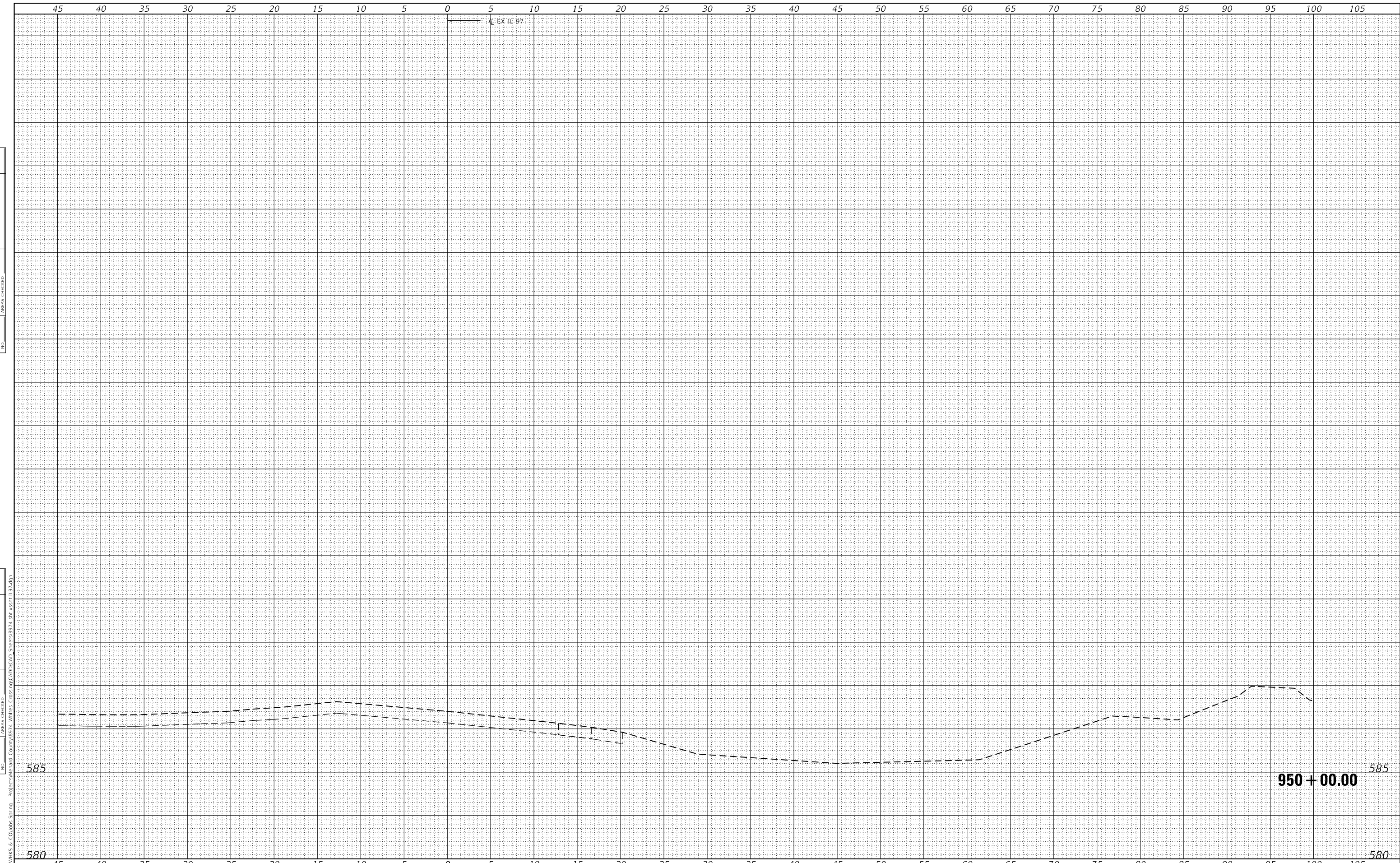
**MENARD COUNTY HIGHWAY DEPARTMENT**

<b>CROSS SECTIONS IL 97</b>			
<b>WHITES CROSSING AVENUE</b>			
SCALE: 1" = 5'	SHEET 7	OF 8 SHEETS	STA. 949+50.00 TO STA. 949+75.00

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21	19-051117-00-RR	MENARD	43	42
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

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

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



MODEL: Default  
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design firm  
 no. 184001036  
**whks**  
 engineers + planners + land surveyors

USER NAME = bjohnson	DESIGNED - BJJ	REVISED -
PLOT SCALE = 1/20,000" = 1" / ft.	DRAWN - GSJ	REVISED -
PLOT DATE = 8/28/2024	CHECKED - MRL	REVISED -
	DATE - 8/28/2024	REVISED -

**MENARD COUNTY HIGHWAY DEPARTMENT**

**CROSS SECTIONS IL 97**  
**WHITES CROSSING AVENUE**

SCALE: 1" = 5'    SHEET 8 OF 8 SHEETS    STA. 950+00.00 TO STA. 950+00.00

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
21	19-051117-00-RR	MENARD	43	43
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				