

11/07/2025 LETTING ITEM 132

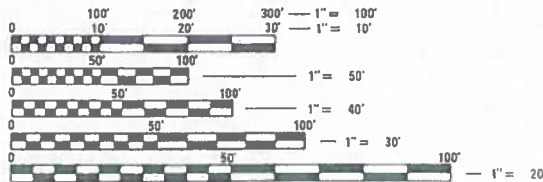
**INDEX OF SHEETS**

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**STANDARDS**

- STANDARD 280001-07
- STANDARD 542301-03
- STANDARD 542401-04
- STANDARD 666001-01
- STANDARD 701311-03
- STANDARD 701901-10
- STANDARD 780001-05
- STANDARD BLR 21-9
- STANDARD BLR 24-2

LAND SECTIONS - 27, 28 & 29  
 LAND QUARTER SECTION - VARIES  
 FUNCTIONAL CLASSIFICATION: MAJOR COLLECTOR (NON-URBAN)  
 A.D.T. - 1800 (2018)  
 A.D.T. - 2344 (2038)  
 55 M.P.H. DESIGN SPEED

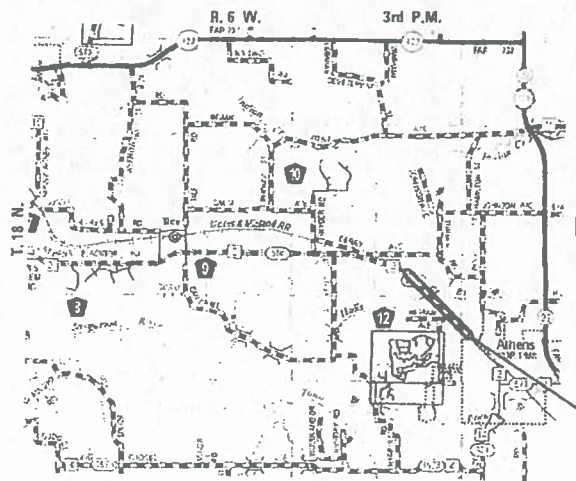


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
**PLANS FOR PROPOSED  
 HIGHWAY SAFETY IMPROVEMENT  
 & SURFACE TRANSPORTATION  
 RURAL PROGRAMS**

HIGH RISK RURAL ROADS PROGRAM  
 F.A.S. ROUTE 574 - C.H. 2 (ATHENS BLACKTOP)  
 PROJECT NO. 8LLM(141)  
 SECTION 21-00056-09-PV  
 MENARD COUNTY  
 JOB NO. C-96-015-26



**LOCATION PLAN**  
 CONSTRUCTION AREA LENGTH OF SECTION - 4240.00 FEET = 0.803 MILES



LOCATION OF SECTION INDICATED THUS: - [black rectangle]

PROJECT DESCRIPTION: PROJECT CONSISTS OF WIDENING THE EXISTING ROAD AND THE RESURFACING OF THE ENTIRE PROJECT, CULVERT REMOVAL AND REPLACEMENT, PAVEMENT REMOVAL AND REPLACEMENT, AND OTHER ROADWAY ITEMS OF WORK TO BE BUILT UNDER ROAD CLOSURE.

APPROVED	 JULY 24, 2025 COUNTY ENGINEER
PASSED	 JULY 30, 2025 DISTRICT SIX ENGINEER OF LOCAL ROADS & STREETS
Releasing For Bid Based on Limited Review	 JULY 30, 2025 REGION FOUR ENGINEER
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	



*Christopher P. Kahlus*  
 EXPIRATION: 11/30/2025  
 7/24/25

**PRINTED BY THE AUTHORITY  
 OF THE STATE OF ILLINOIS**

 Veenstra & Kimm, Inc. Springfield, IL Phone: (217)544-8033 IL Design Firm No. 104-001829	USER NAME *	DESIGNED - MAH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TITLE SHEET	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE *	CHECKED - KES	REVISED -			574	21-00056-09-PV	MENARD	54	1
PLOT DATE *	DRAWN - JRP	REVISED -		SCALE:	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	CONTRACT NO. 93843 ILLINOIS FED. AID PROJECT		
	CHECKED - MAH	REVISED -								

**PROPERTY OWNER ACCESS REQUIREMENT**

ACCESS MUST BE MAINTAINED TO ALL EXISTING PROPERTIES DURING CONSTRUCTION PER ARTICLE 107.09 UNLESS ARRANGEMENTS ARE MADE IN WRITING BY THE CONTRACTOR WITH THE PROPERTY OWNERS WITH A COPY TO THE ENGINEER FOR SHORT-TERM CLOSURES.

**GENERAL NOTES**

- 1.) THE THICKNESS OF HOT-MIX ASPHALT MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
- 2.) EXCEPT AS NOTED IN THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.
- 3.) WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER OR AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR RE-ESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY HIS OPERATIONS.
- 4.) SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET OR IN AN UNTILLABLE CONDITION. AREAS TO BE SEEDED SHALL BE DETERMINED BY THE ENGINEER AND SEEDED AS SOON AS POSSIBLE.
- 5.) ALL SAW CUTS, NECESSARY TO COMPLETE THE WORK DETAILED IN THESE PLANS, SHALL BE INCLUDED IN THE COST FOR THE VARIOUS PAY ITEMS INVOLVED. THE MINIMUM SAW CUT DEPTH IN THE PAVEMENT SHALL BE 1½" UNLESS UNLESS OTHERWISE SPECIFIED IN A DETAIL SHOWN IN THE PLANS.
- 6.) UNLESS DIRECTED BY THE ENGINEER, PAVEMENT MARKING LINES SHALL NOT BE LAID DIRECTLY OVER A LONGITUDINAL CRACK OR JOINT NOR OVER A TAR OR ASPHALT PAINTED LINE. THE EDGE OF A CENTERLINE OR LANE LINE SHALL BE OFFSET A MINIMUM DISTANCE OF 2" FROM A LONGITUDINAL CRACK OR JOINT. EDGE LINES SHALL BE APPROXIMATELY 2" FROM THE EDGE LINE OF PAVEMENT. SEE SECTION 780 OF THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS.
- 7.) ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OUTSIDE THE LIMITS OF 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 SEPERATELY BUT SHALL BE INCLUDED IN THE COST PER CUBIC YARD FOR EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 8.) ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER LISTED IN THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.
- 9.) IN ADDITION TO THE FIELD SURVEYS, PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING FACILITIES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD. SUCH VARIATIONS SHALL NOT BE A CAUSE FOR ADDITIONAL COMPENSATION DUE TO CHANGE IN THE SCOPE OF WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
- 10.) THE EXISTING ROAD SIGNS THAT INTERFERE WITH CONSTRUCTION WILL BE REMOVED OR RELOCATED AS DIRECTED BY THE ENGINEER. AFTER THE CONSTRUCTION IS COMPLETED, THE CONTRACTOR WILL REPLACE THE SIGNS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT, AND NO COMPENSATION WILL BE ALLOWED.
- 11.) THE LOCATION OF ALL UTILITIES ARE BASED ON INFORMATION PROVIDED BY OTHERS AND IS INTENDED TO BE APPROXIMATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE HIS CONSTRUCTION ACTIVITIES WITH THE VARIOUS UTILITY OWNERS. ALL POTENTIAL CONFLICTS SHALL BE INVESTIGATED AND REMEDIAL ACTION TAKEN PRIOR TO INTERRUPTION OF THE CONTRACTOR'S PROGRESS.
- 12.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.39 OF THE STANDARD SPECIFICATIONS. THE J.U.L.I.E. NUMBER IS 800-892-0123. A MINIMUM OF FORTY-EIGHT HOURS ADVANCE NOTICE IS REQUIRED.
- 13.) ALL ELEVATIONS SHOWN ON THE PLANS ARE BASED ON U.S.G.S. MEAN SEA LEVEL DATUM. ALL STATION AND OFFSET REFERENCES ARE TO THE ROADWAY CENTERLINE UNLESS OTHERWISE NOTED. THE STATE PLANE COORDINATE SYSTEM HAS BEEN USED FOR THE HORIZONTAL CONTROL.
- 14.) THE MENARD COUNTY ENGINEER SHALL BE NOTIFIED AT LEAST 21 DAYS PRIOR TO CLOSING THE ROAD TO TRAFFIC (PH: 217-632-2722).
- 15.) PRIOR TO THE USE OF ANY BORROW AREAS, USE AREAS, (TEMPORARY ACCESS ROADS, DETOURS, RUNAROUNDS, ETC.) AND OR WASTE AREAS, THE CONTRACTOR SHALL FILE THE REQUIRED ENVIRONMENTAL RESOURCE REQUEST SURVEYS ACCORDING TO SECTION 107.22 OF THE STANDARD SPECIFICATIONS. THESE SURVEYS ARE REQUIRED IN ORDER FOR THE DEPARTMENT TO CONDUCT CULTURAL AND BIOLOGICAL RESOURCE SURVEYS FOR THE PROPOSED SITE.
- 16.) TREES THREE (3) INCHES OR GREATER IN DIAMETER AT BREAST HEIGHT WILL NOT BE CLEARED FROM APRIL 1 THROUGH SEPTEMBER 30.

**UTILITIES**

MENARD RURAL WATER COOPERATIVE  
 MS. KATHY RUPPEL MANAGER  
 P.O. BOX 86  
 PETERSBURG, ILLINOIS 62675  
 217-632-7751

MENARD ELECTRIC COOPERATIVE  
 MR. TIM SCHAFER  
 P.O. BOX 200  
 PETERSBURG, ILLINOIS 62675  
 217-632-7746

CASS CABLE TV, INC.  
 MR. LANCE ALLEN  
 100 REDBUD ROAD  
 P.O. BOX 200  
 VIRGINIA, ILLINOIS 62691  
 217-452-7800

AMEREN ILLINOIS  
 MR. DOUGLAS PALMER  
 1900 W LAFAYETTE  
 JACKSONVILLE, ILLINOIS 62650  
 217-479-5203 (O)  
 217-714-7258 (C)  
 DPALMER@AMEREN.COM

AT&T  
 MS. BRENDA BENDER  
 529 SOUTH 7TH STREET  
 FLOOR 3B  
 SPRINGFIELD, ILLINOIS 62721  
 217-341-0952

PRAIRIE POWER INC.  
 MR. JEREMY JOHNSON  
 3130 PLEASANT RUN  
 SPRINGFIELD, ILLINOIS 62711  
 217-331-5631

AMEREN ELECTRIC  
 MR. DOUGLAS PALMER  
 1900 W LAFAYETTE  
 JACKSONVILLE, ILLINOIS 62650  
 217-479-5203 (O)  
 217-714-7258 (C)  
 DPALMER@AMEREN.COM

**MIXTURE REQUIREMENTS**

MIXTURE USE(S)	HOT MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	HOT MIX ASPHALT BINDER COURSE	HOT MIX ASPHALT BASE COURSE WIDENING
AC/PG	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0% @ N DESIGN = 50	4.0% @ N DESIGN = 50	4.0% @ N DESIGN = 50
MIXTURE COMPOSITION	IL 9.5	IL 19.0	IL 19.0
FRICTION AGGREGATE	MIX C	N/A	N/A

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED TO CALCULATE THE PLAN QUANTITIES:

BITUMINOUS MATERIALS (TACK COAT)	0.05 LBS/SQ. FT. (ON PAVEMENT)
BITUMINOUS MATERIALS (PRIME COAT)	0.25 LBS/SQ.FT. (ON AGG)
HOT MIX ASPHALT SURFACE / BINDER	0.056 TON/SQ. YD. PER 1"
AGGREGATE MATERIAL	1.8 TON/CU. YD.
RIPRAP	1.5 TON/CU. YD.
NITROGEN FERTILIZER NUTRIENT	90 LBS./ACRE
PHOSPHOROUS FERTILIZER NUTRIENT	90 LBS./ACRE
POTASSIUM FERTILIZER NUTRIENT	90 LBS./ACRE
AGRICULTURAL GROUND LIMESTONE	2.0 TON/ACRE



**VEENSTRA & KIMM INC.**  
 Springfield, IL. Phone: (217)544-8033  
 IL. Design Firm No. 184-001939

**GENERAL NOTES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	21-00056-09-PV	MENARD	54	2
			CONTRACT NO. 93843	
		ILLINOIS	FED. AID PROJECT	

MODEL: Default  
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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				ROADWAY	
				0004	NONE
* 20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	66	66	
* 20100500	TREE REMOVAL, ACRES	ACRE	5.5	5.5	
20200100	EARTH EXCAVATION	CU YD	19059	19059	
20400800	FURNISHED EXCAVATION	CU YD	4089	4089	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	950	950	
28000305	TEMPORARY DITCH CHECKS	FOOT	298	298	
28000400	PERIMETER EROSION BARRIER	FOOT	1467	1467	
28000500	INLET AND PIPE PROTECTION	EACH	6	6	
28100207	STONE RIPRAP, CLASS A4	TON	1775	1775	
35600700	HOT-MIX ASPHALT BASE COURSE WIDENING, 6"	SQ YD	2635	2635	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	7512	7512	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	4825	4825	
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	2791	2791	
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	957	957	

\* SPECIALTY ITEM

USER NAME = ckohlrus	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/22/2025	DATE -	REVISED -



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 IL. Design Firm No. 184-001939

**SUMMARY OF QUANTITIES**

SCALE: NONE SHEET NO. 1 OF 3 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	21-00056-09-PV	MENARD	54	3
			CONTRACT NO. 93843	
			ILLINOIS FED. AID PROJECT	

MICHELLE BUEHLER  
 FILE NAME: Z:\2009 Jobs\LOCAL\menard09-023A.CH.2 (Athens Blacktop) Phase 4\Segment 1\CADD\_Sheets\09023A-rl-rl-500.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				ROADWAY 0004 NONE
44000100	PAVEMENT REMOVAL	SQ YD	338	338
48100100	AGGREGATE SHOULDERS, TYPE A	TON	2385	2385
50105220	PIPE CULVERT REMOVAL	FOOT	378	378
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	2	2
54010909	PRECAST CONCRETE BOX CULVERTS 9' X 9'	FOOT	100	100
542A0229	PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	138	138
542A1069	PIPE CULVERTS, CLASS A, TYPE 2 24"	FOOT	112	112
542D0229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	128	128
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	6	6
54262724	METAL FLARED END SECTIONS 24"	EACH	4	4
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	85	85
63200310	GUARDRAIL REMOVAL	FOOT	1269	1269
66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	31	31
67100100	MOBILIZATION	L SUM	1	1

\* SPECIALTY ITEM

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	DRAWN - _____	REVISED - _____
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PLOT DATE = 7/24/2025	DATE - _____	REVISED - _____



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**SUMMARY OF QUANTITIES**

SCALE: NONE SHEET NO. 2 OF 3 SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	21-00056-09-PV	MENARD	54	4
CONTRACT NO. 93843			ILLINOIS FED. AID PROJECT	



CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				ROADWAY	
				0004	NONE
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	600	600	
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	15405	15405	
* X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	9.5	9.5	
X5020108	GRANULAR CULVERT BACKFILL	CU YD	544	544	
X6640104	FENCE REMOVAL	FOOT	1208	1208	
# Z0076600	TRAINEES	HOUR	1000		
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
# Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1000		
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	

\* SPECIALTY ITEM

# 0042

Model: 1816131  
File Name: 21-0009 - IbsLLOCAL\menard\09-023A\_C.H. 2 (Athens Blacktop) Phase 4\Segment 1\CADD\_Sheets\09023A-rlt-500.dgn

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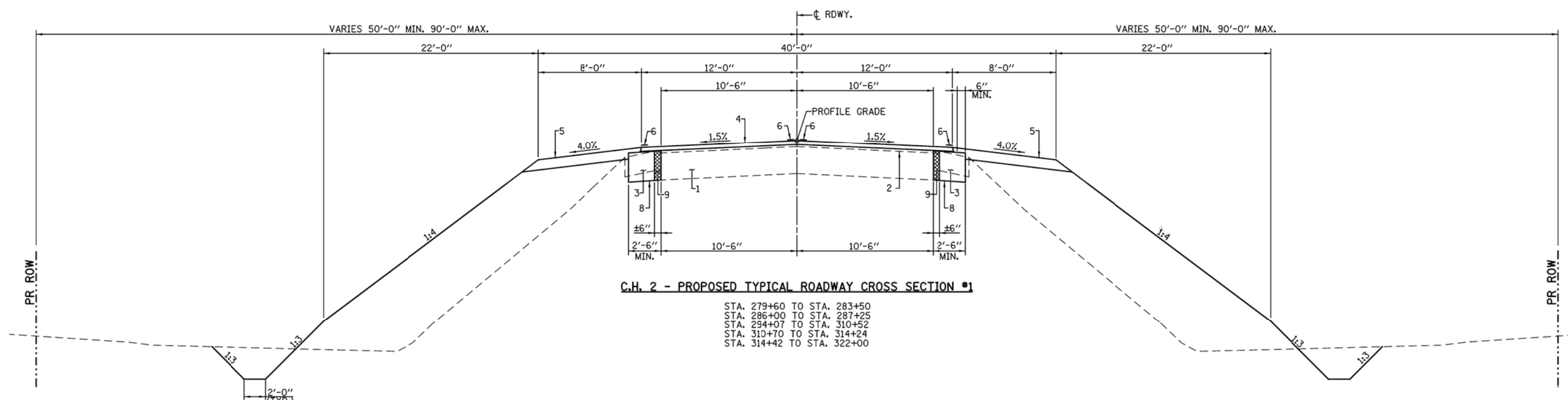


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IL. Design Firm No. 184-001939

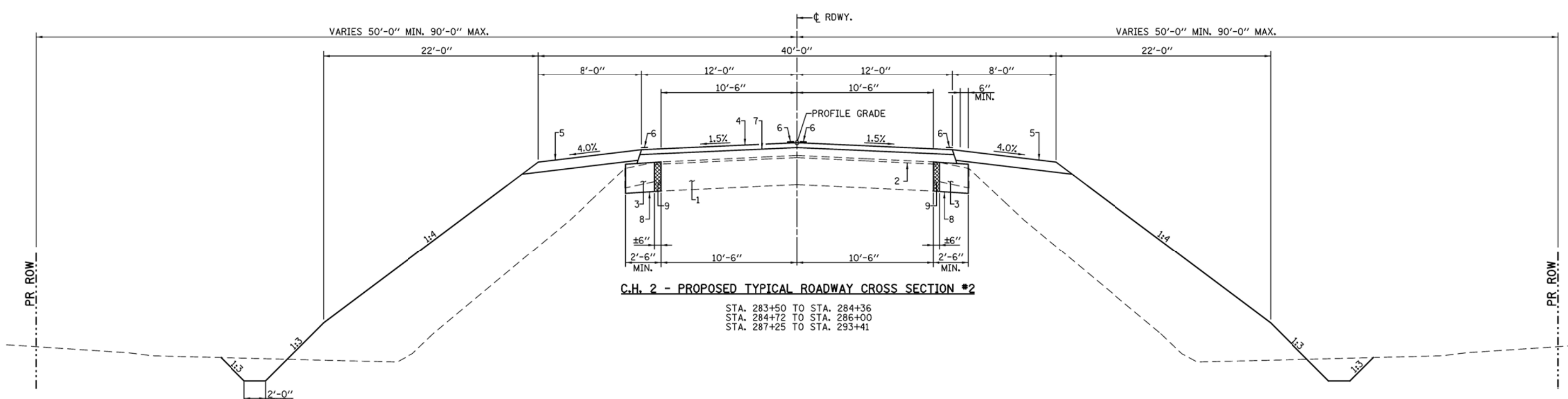
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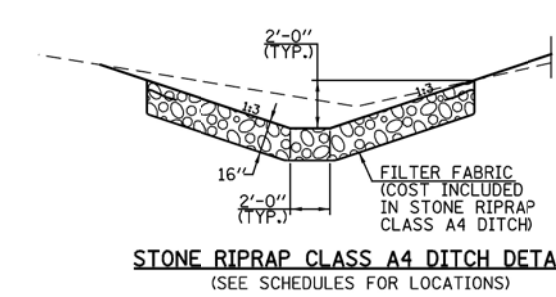
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574	21-00056-09-PV	MENARD	54	5
			CONTRACT NO. 93843	
			ILLINOIS FED. AID PROJECT	



**C.H. 2 - PROPOSED TYPICAL ROADWAY CROSS SECTION #1**  
 STA. 279+60 TO STA. 283+50  
 STA. 286+00 TO STA. 287+25  
 STA. 294+07 TO STA. 310+52  
 STA. 310+70 TO STA. 314+24  
 STA. 314+42 TO STA. 322+00



**C.H. 2 - PROPOSED TYPICAL ROADWAY CROSS SECTION #2**  
 STA. 283+50 TO STA. 284+36  
 STA. 284+72 TO STA. 286+00  
 STA. 287+25 TO STA. 293+41



**STONE RIPRAP CLASS A4 DITCH DETAIL**  
 (SEE SCHEDULES FOR LOCATIONS)

- PAVEMENT LEGEND**
- EX AGGREGATE BASE COURSE (VARIABLE DEPTH)
  - EX BITUMINOUS OVERLAYS
  - EX AGGREGATE SHOULDER
  - PR HOT-MIX ASPHALT SURFACE COURSE, MIX. C N50 (1 1/2")
  - PR AGGREGATE SHOULDERS TYPE A (6")
  - PR PAINT PAVEMENT MARKING LINE 4"
  - PR HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (2 1/4" MIN.)
  - PR HOT-MIX ASPHALT BASE COURSE WIDENING, 6"
  - PR PAVEMENT REMOVAL
  - PR HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (12")

▨ - INDICATES HMA PAVEMENT REMOVAL

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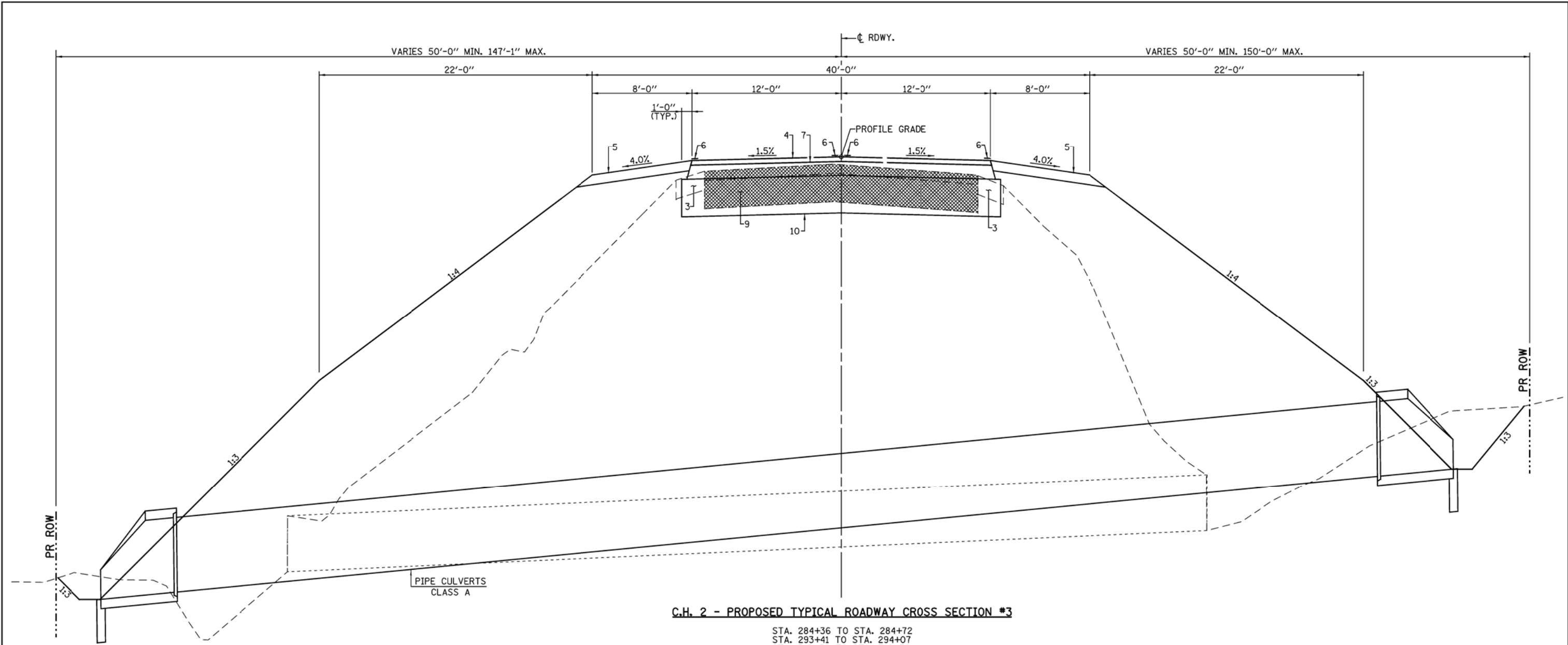
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PLOT DATE = 7/24/2025	CHECKED -	REVISED -
	DATE -	REVISED -



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 IL. Design Firm No. 184-001939

<b>TYPICAL SECTIONS</b>		F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		574	21-00056-09-PV	MENARD	54	6
SCALE:		SHEET NO. 1 OF 2 SHEETS		STA. TO STA.		CONTRACT NO. 93843

ILLINOIS FED. AID PROJECT	
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**C.H. 2 - PROPOSED TYPICAL ROADWAY CROSS SECTION #3**

STA. 284+36 TO STA. 284+72  
 STA. 293+41 TO STA. 294+07  
 STA. 310+52 TO STA. 310+70  
 STA. 314+24 TO STA. 314+42

**PAVEMENT LEGEND**

1. EX AGGREGATE BASE COURSE (VARIABLE DEPTH)
2. EX BITUMINOUS OVERLAYS
3. EX AGGREGATE SHOULDER
4. PR HOT-MIX ASPHALT SURFACE COURSE, MIX. C N50 (1 1/2")
5. PR AGGREGATE SHOULDERS TYPE A (6")
6. PR PAINT PAVEMENT MARKING LINE 4"
7. PR HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (2 1/4" MIN.)
8. PR HOT-MIX ASPHALT BASE COURSE WIDENING, 6"
9. PR PAVEMENT REMOVAL
10. PR HOT MIX ASPHALT BINDER COURSE, IL-19.0, N50 (12")

▨ - INDICATES HMA PAVEMENT REMOVAL

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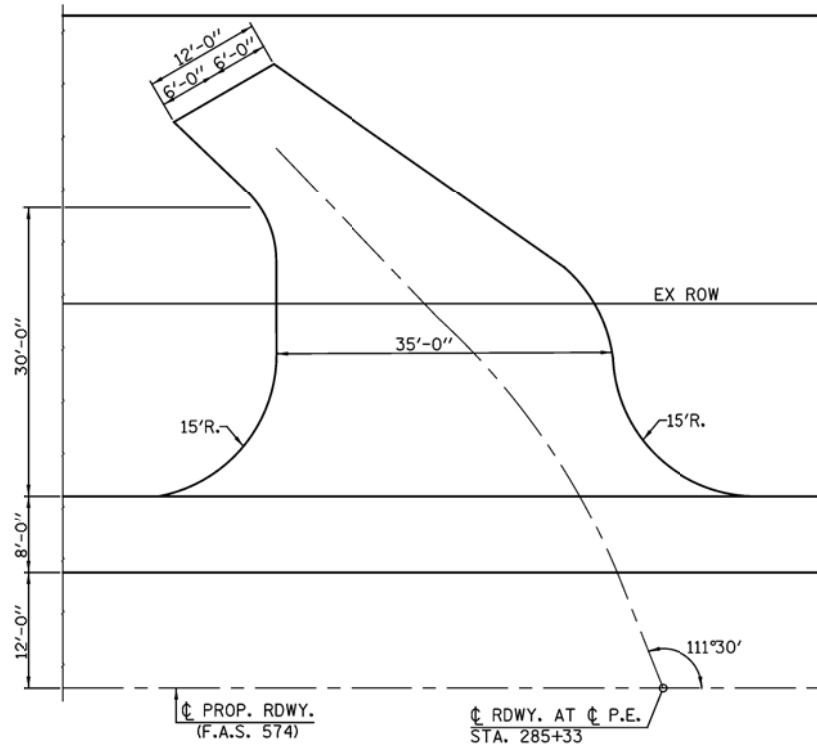
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PLOT DATE = 7/24/2025	CHECKED -	REVISED -
	DATE -	REVISED -



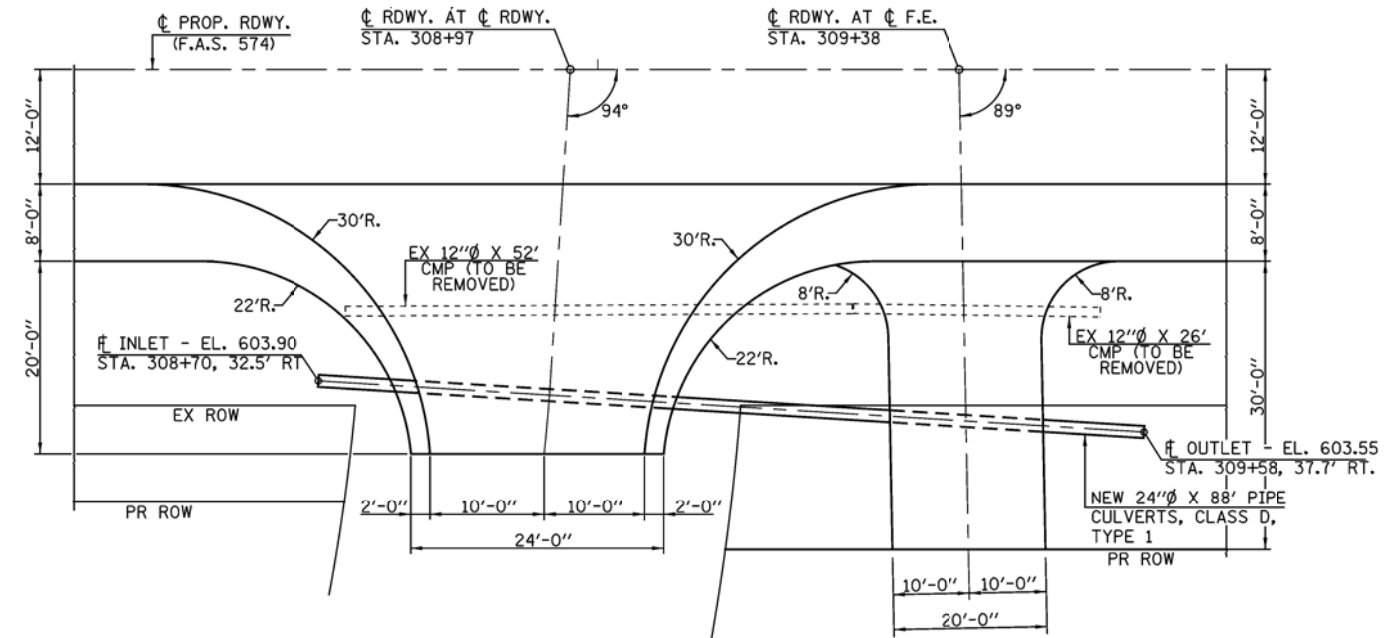
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 IL. Design Firm No. 184-001939

<b>TYPICAL SECTIONS</b>	
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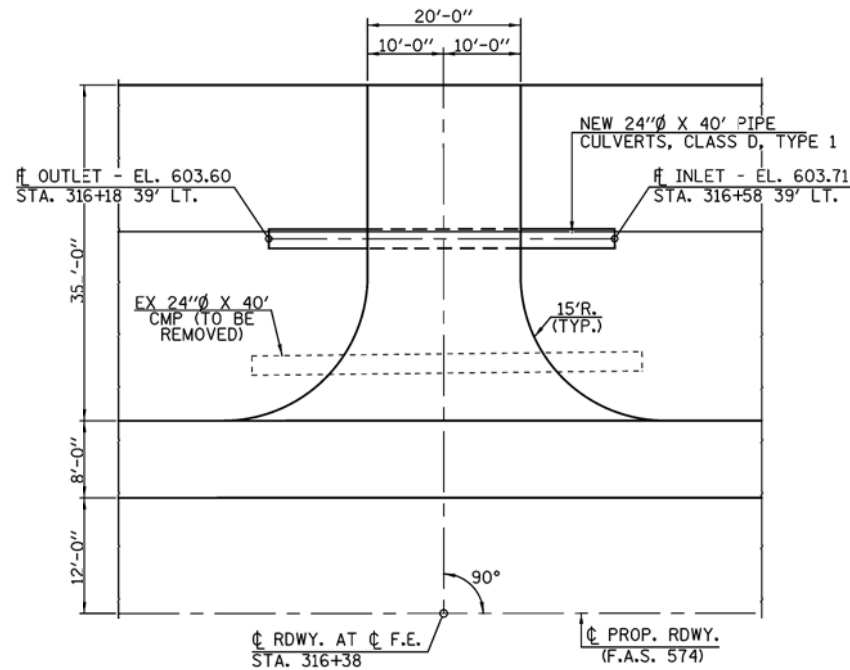
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574	21-00056-09-PV	MENARD	54	7
CONTRACT NO. 93843				
ILLINOIS FED. AID PROJECT				



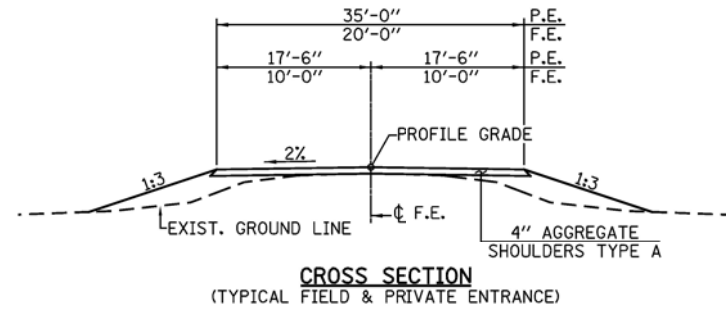
**PLAN**  
(PE. LT. STA. 285+33)



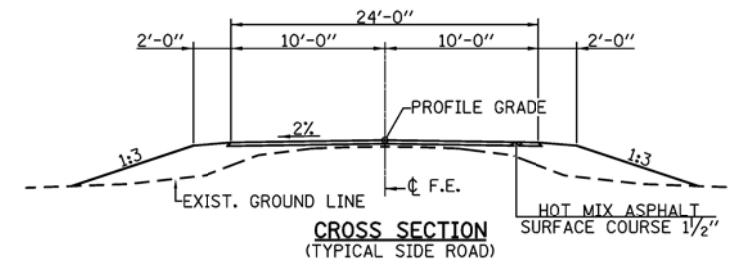
**PLAN** (INGRAM AVE RT. STA. 308+97) **PLAN** (F.E. RT. STA. 309+38)



**PLAN**  
(FE. LT. STA. 316+38)



**CROSS SECTION**  
(TYPICAL FIELD & PRIVATE ENTRANCE)



**CROSS SECTION**  
(TYPICAL SIDE ROAD)

MODEL: Default  
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	DATE -	REVISED -

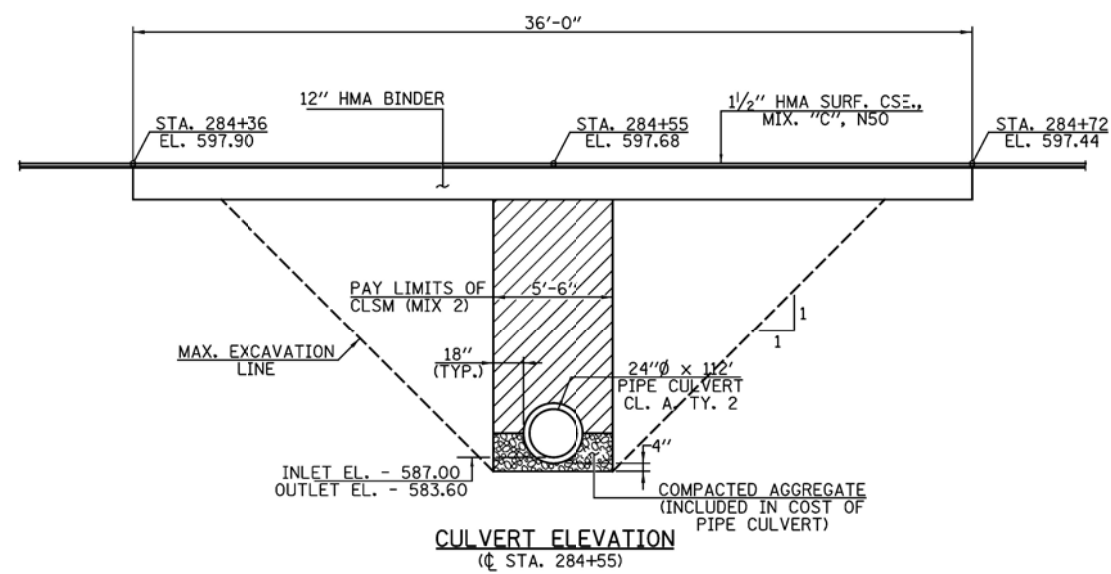
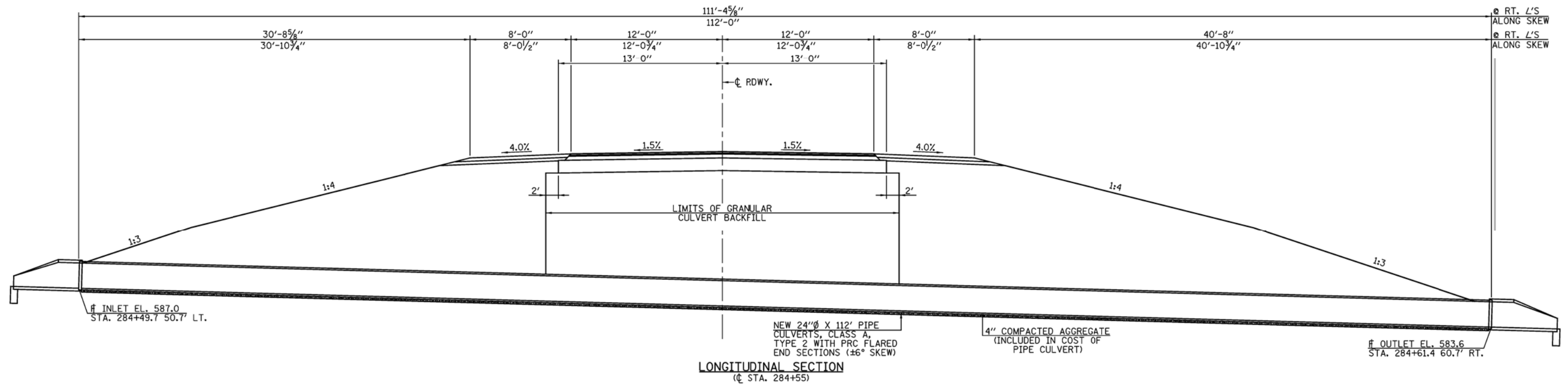


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**ENTRANCE AND INTERSECTION  
 DETAILS**

SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	21-00056-09-PV	MENARD	54	8
CONTRACT NO. 93843			ILLINOIS FED. AID PROJECT	



MODEL: Default  
FILE: Model: 21-0009 - Job: LOCAL\menard\09-023A\_C.H. 2 (Athens Blocktop) Phase: 4\Segment FICADD\_Sheets\09023A-hht-F-culvert\_details.dgn

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	DATE -	REVISED -

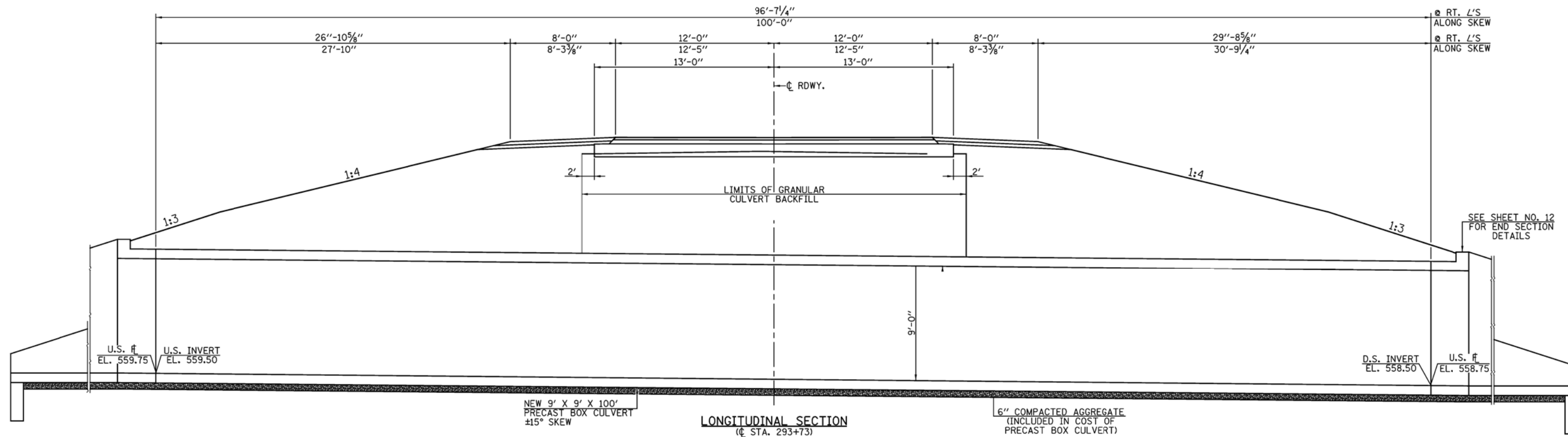


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IL. Design Firm No. 184-001939

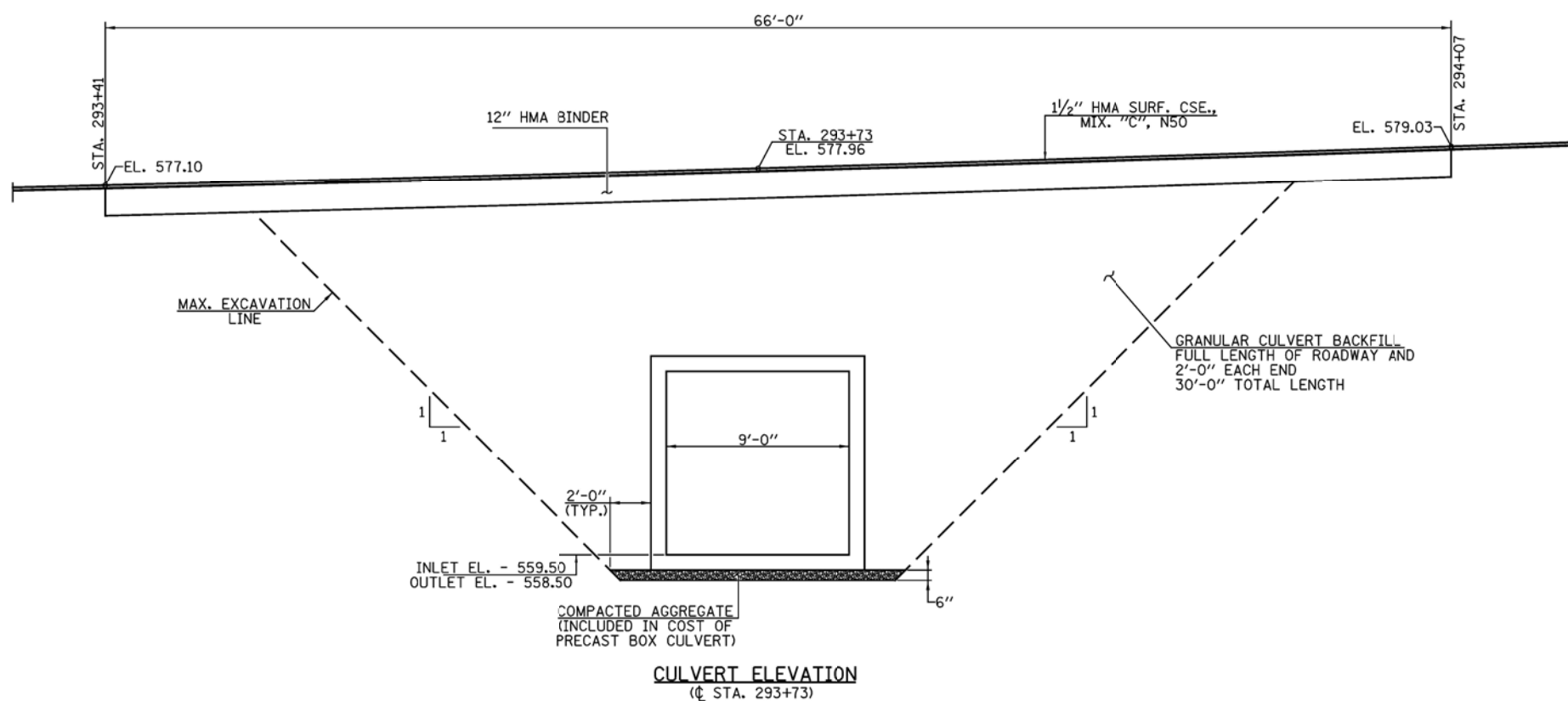
<b>CROSS ROAD CULVERT DETAILS</b>		SCALE:	SHEET NO. 1 OF 5 SHEETS	STA.	TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	21-00056-09-PV	MENARD	54	9
CONTRACT NO. 93843				
ILLINOIS FED. AID PROJECT				





SEE SHEET NO. 12 FOR END SECTION DETAILS



**SCHEDULE GRANULAR CULVERT BACKFILL**

LOCATION	QUANTITY (CU. YD.)
CL STA. 293+73	544
<b>TOTAL</b>	<b>544</b>

**SCHEDULE PRECAST CONCRETE BOX CULVERTS 9' X 9'**

LOCATION	QUANTITY (FOOT)
CL STA. 293+73	100
<b>TOTAL</b>	<b>100</b>

**SCHEDULE BOX CULVERT END SECTIONS, CULVERT NO. 1 \***

LOCATION	QUANTITY (EACH)
CL STA. 293+73	2
<b>TOTAL</b>	<b>2</b>

\* SEE SHEETS 12 & 13 FOR END SECTION DETAILS

MODEL: Default  
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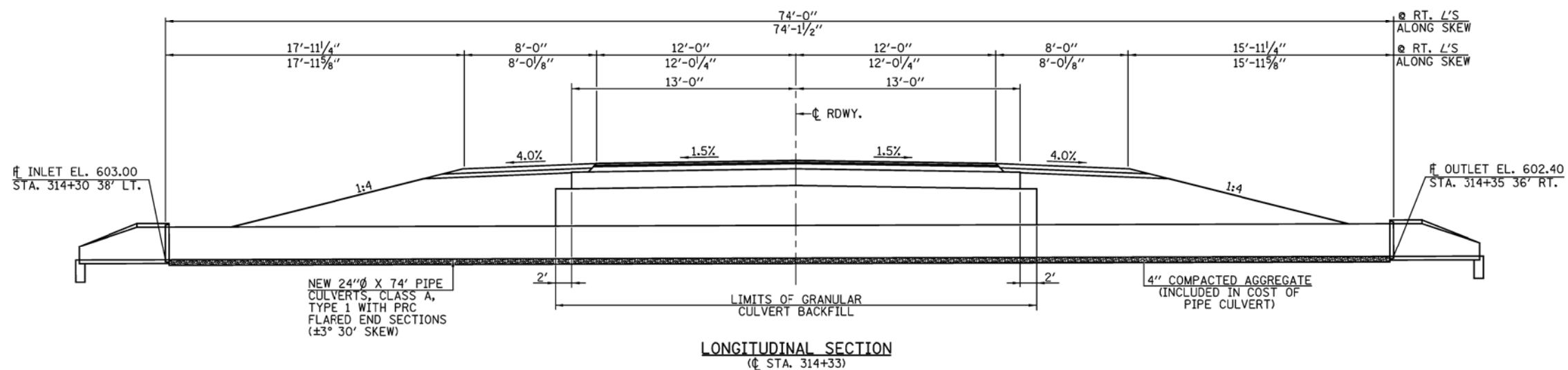
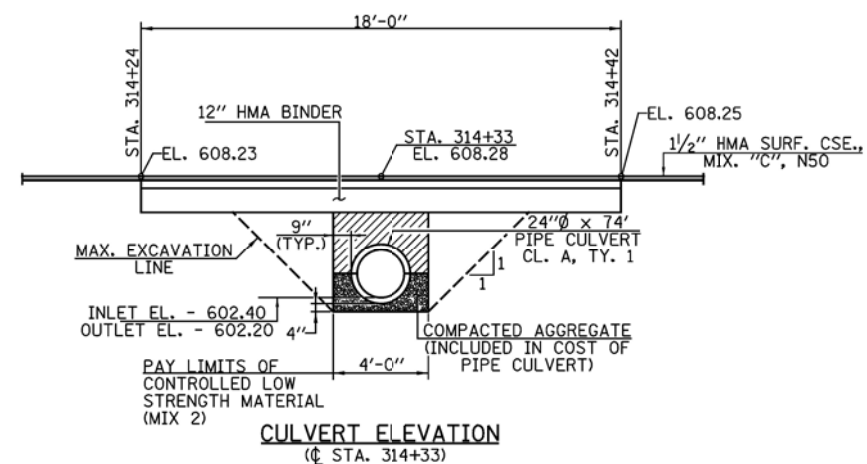
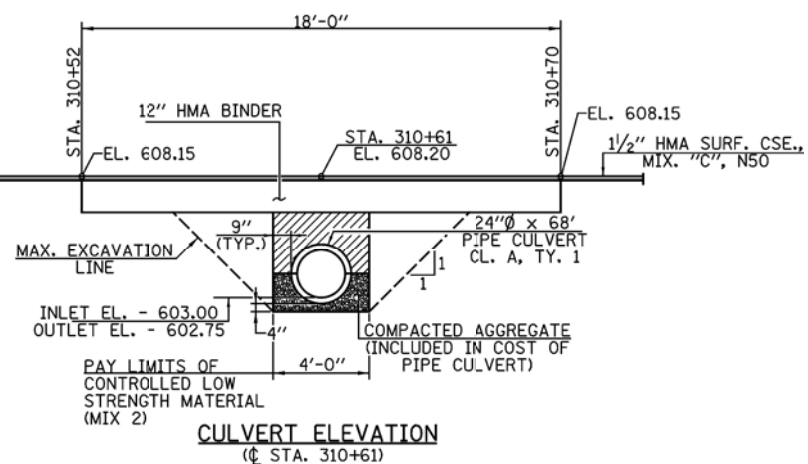
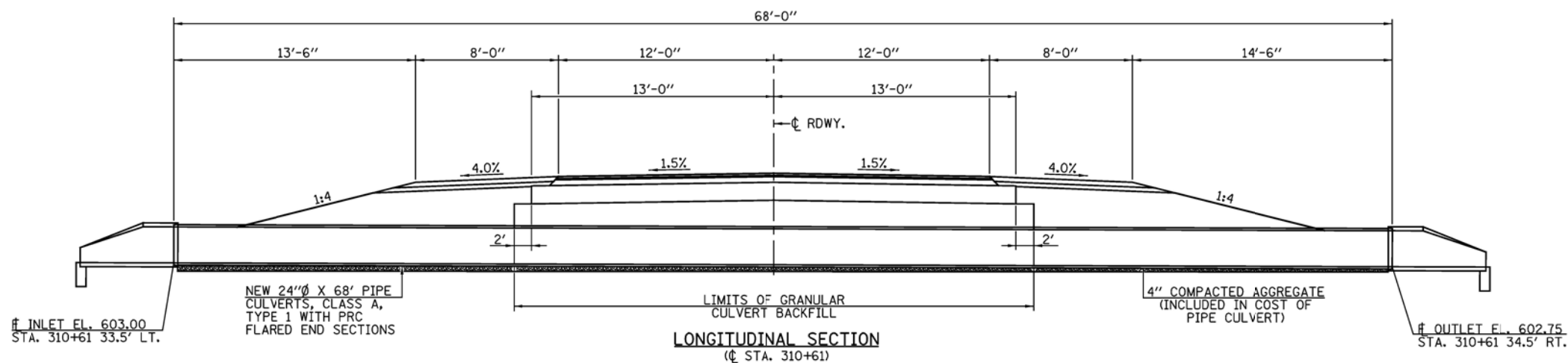
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	DATE -	REVISED -



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<b>CROSS ROAD CULVERT DETAILS</b>		F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		574	21-00056-09-PV	MENARD	54	10
SCALE:		SHEET NO. 2 OF 5 SHEETS		STA.	TO STA.	

ILLINOIS FED. AID PROJECT	
CONTRACT NO. 93843	



MODEL: Default  
 FILE: Model: 21-0009 - Job: LOCAL\Meenard\09-023A\_C.H. 2 (Athens Blocktop) Phase: 4\Segment FICADD\_Sheets\09023A-hht-F-culvert\_details.dgn

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PLOT SCALE = SCALES	DRAWN -	REVISED -
PLOT DATE = 7/24/2025	CHECKED -	REVISED -
	DATE -	REVISED -



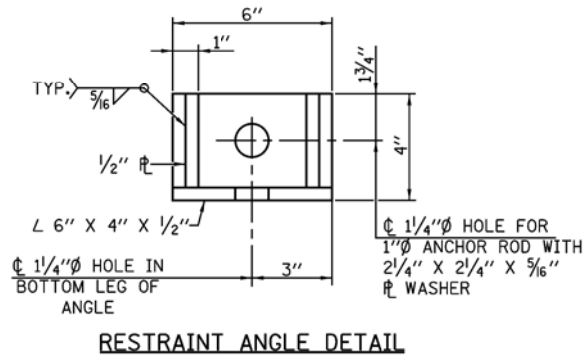
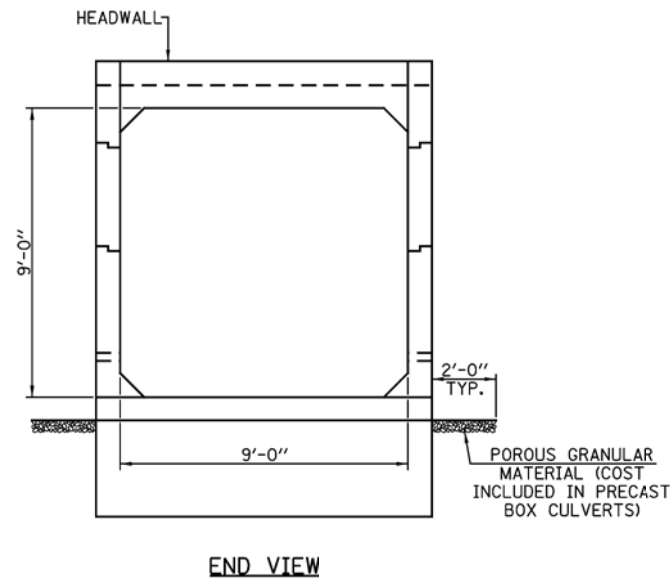
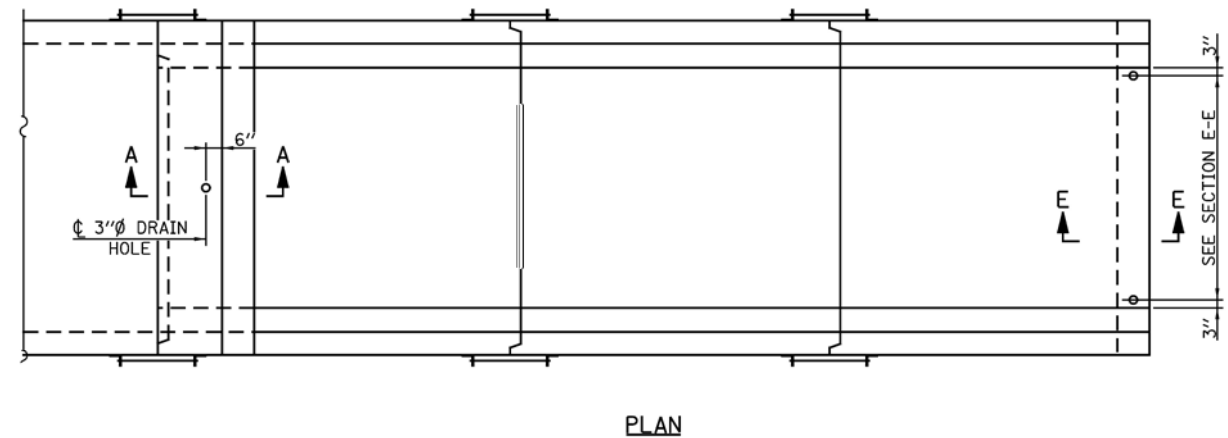
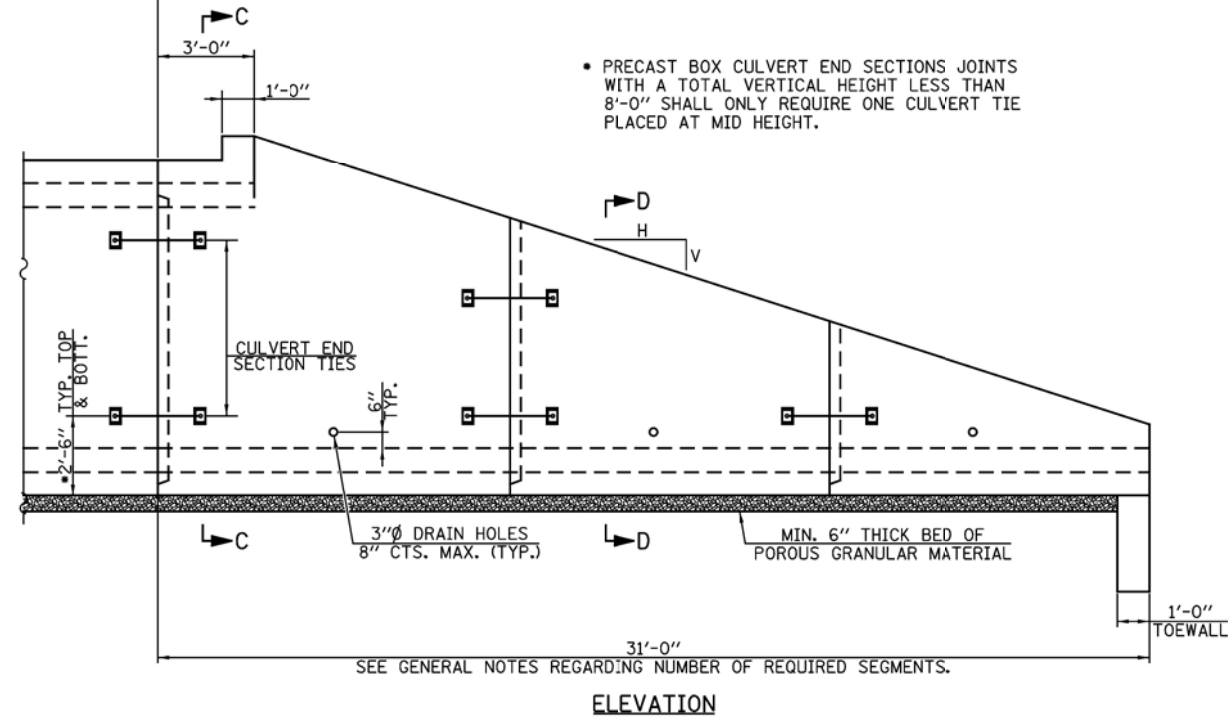
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**CROSS ROAD CULVERT DETAILS**

SCALE: SHEET NO. 3 OF 5 SHEETS STA. TO STA.

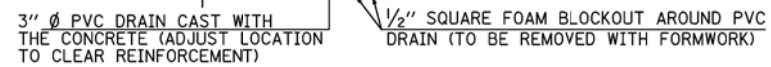
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	21-00056-09-PV	MENARD	54	11
CONTRACT NO. 93843			ILLINOIS FED. AID PROJECT	

PAY LIMITS FOR PRECAST CONCRETE BOX CULVERTS  
 PAY LIMITS FOR BOX CULVERT END SECTIONS



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 NON-WOVEN GEOTEXTILE FABRIC.

PROVIDE A DOUBLE LAYER OF 12" X 12" NON-WOVEN GEOTEXTILE FABRIC CENTERED OVER THE DRAIN HOLE. FABRIC SHALL BE SEALED TO THE CONCRETE WITH MASTIC.



(ALL COSTS ASSOCIATED WITH FURNISHING AND CONSTRUCTING THE ABOVE DRAIN DETAILS WILL NOT BE MEASURED FOR PAYMENT BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE ASSOCIATED WORK.)

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 SIDE 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).

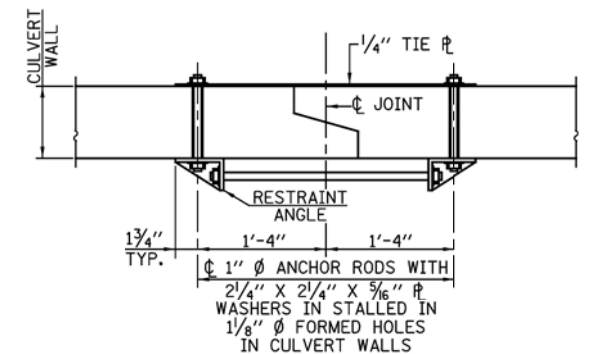
1" Ø ANCHOR RODS FOR THE CULVERT TIES SHALL CONFORM TO THE REQUIREMENTS OF ASTM F1554, GRADE 105. STRUCTURAL STEEL FOR TIE PLATE AND RESTRAINT ANGLE SHALL CONFORM TO THE REQUIREMENTS OF ARTICLE 1006.04 OF THE STANDARD SPECIFICATIONS. ALL COMPONENTS OF THE CULVERT TIE DETAIL SHALL BE GALVANIZED ACCORDING 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 COST 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.

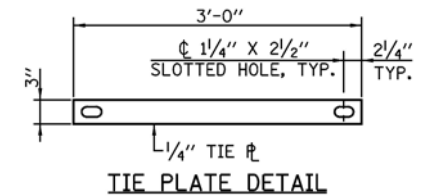
DRAIN HOLES SHALL CONFORM TO THE REQUIREMENTS OF ARTICLE 503.11 OF THE STANDARD SPECIFICATIONS UNLESS NOTED OTHERWISE.

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.



SECTION B-B (SHOWING END SECTION TIE DETAILS)



MODEL: Default  
 FILE: 401012\_210309\_001009\_001009-023A\_C.H. 2 (Atrios Blocktop) Phase 41Segment FICADD\_Sheets09023a-hht-f-culvert\_details.dgn

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PLOT DATE = 7/24/2025	CHECKED -	REVISED -
	DATE -	REVISED -

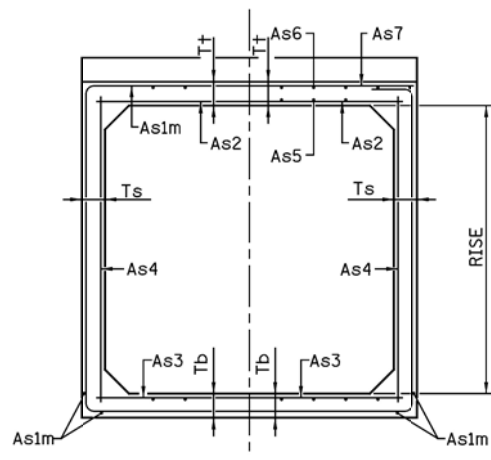


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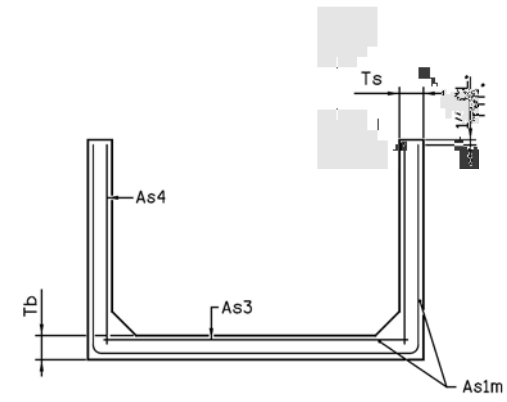
CROSS ROAD CULVERT DETAILS

SCALE: SHEET NO. 4 OF 5 SHEETS STA. TO STA.

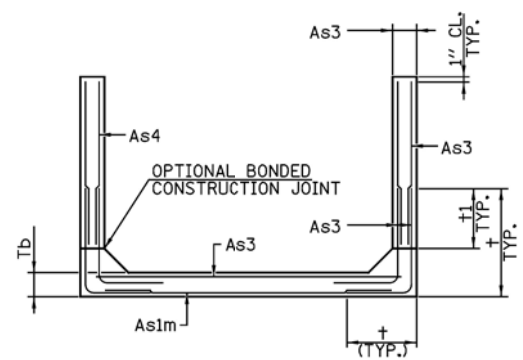
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	21-00056-09-PV	MENARD	54	12
CONTRACT NO. 93843			ILLINOIS FED. AID PROJECT	



SECTION C-C



SECTION D-D



ALTERNATE SECTION D-D

Rise (ft.) Ts(in.)	REINFORCING STEEL $As_{1m}$ (in <sup>2</sup> /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	0.46	0.37	0.50	0.65	
12	0.55	0.49	0.58	0.54	0.50	0.48	0.46	0.41	0.46	0.61	0.75

( $As_{1m}$  REINFORCEMENT BASED UPON WELDED WIRE FABRIC CONFORMING TO AASHTO M 55 OR M 221)

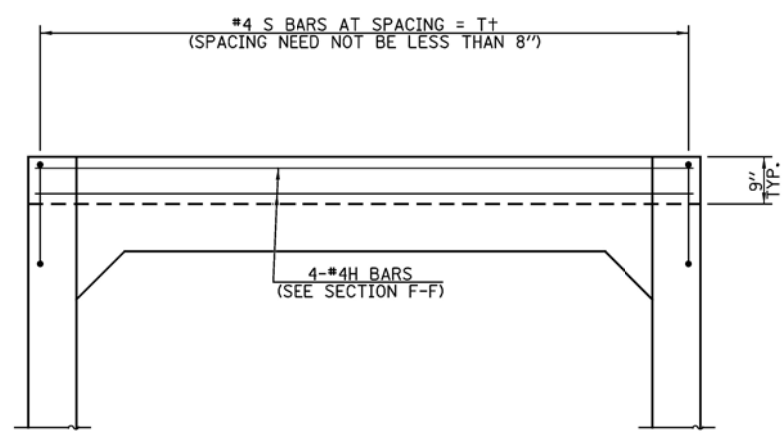
NOTES:  
ALTERNATE SECTION D-D IS PROVIDED TO ALLOW THE CONTRACTOR THE OPTION OF CASTING THE BOTTOM SLAB OF THE END SECTION FIRST FOLLOWED BY CONSTRUCTION OF THE SIDEWALLS USING CONVENTIONAL FORMING METHODS. SHOP DRAWINGS THAT DETAIL SLAB THICKNESS AND REINFORCEMENT LAYOUT SHALL BE SUBMITTED TO THE ENGINEER 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<sup>2</sup>/FT.) EQUAL TO  $1.10 \cdot (As_{1m})$ . 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.

**DIMENSION**

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



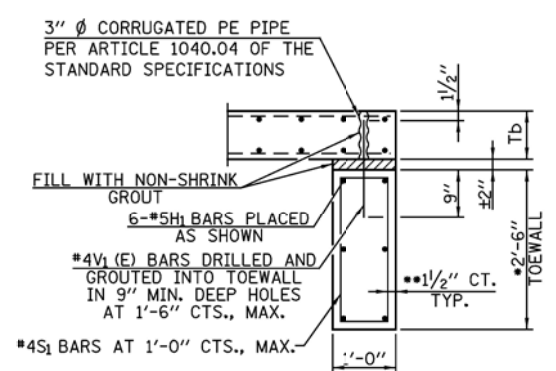
HEADWALL ELEVATION  
(ALLOW SIDEWALL REINFORCEMENT TO EXTEND INTO END OF HEADWALL)

**TOEWALL CONSTRUCTION SEQUENCE**

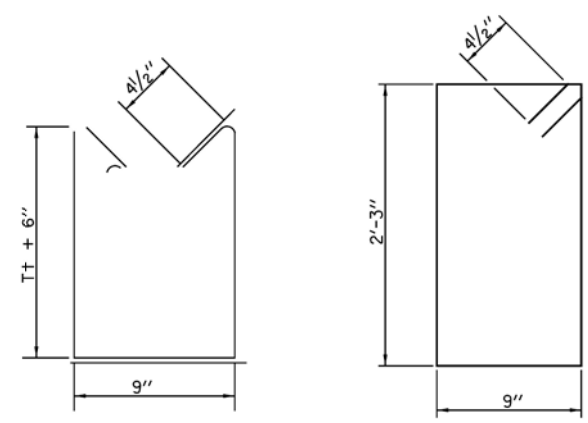
1. PERFORM EXCAVATION AND CONSTRUCTION TOEWALL.
2. BACKFILL ACCORDING TO THE APPLICABLE PARAGRAPHS OF ARTICLE 502.10 OF THE STANDARD SPECIFICATIONS AND PLACE BEDDING FOR PRECAST BOX CULVERT END SECTIONS.
3. SET PRECAST BOX CULVERT END SECTION.
4. DRILL AND GROUT REINFORCEMENT IN TOEWALL USING APPROVED CHEMICAL ADHESIVE 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.

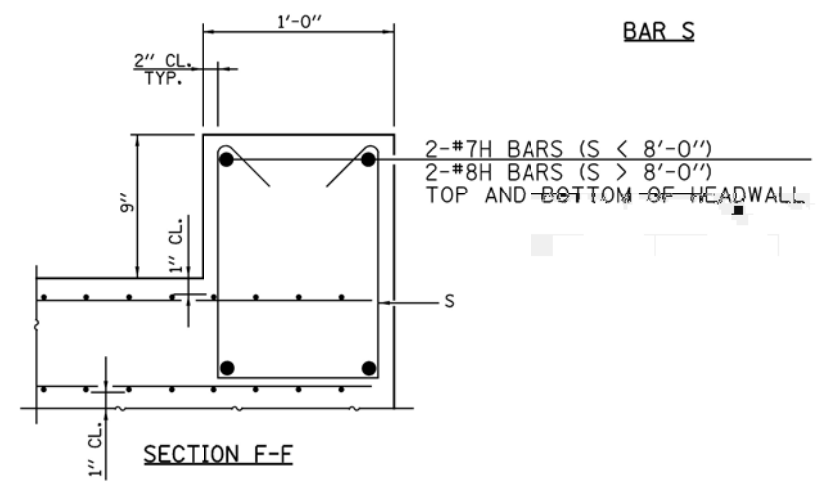


SECTION E-E



BAR S

BAR S1



SECTION F-F

MODEL: Default  
FILE: Model: 210009: Job: LOCAL\11\menard\09-023A\_C.H. 2 (A:rhous: Blacktop) Phase: 415segment: F:\CADD: Sheets\09023a-hbt-culvert\_details.dgn

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DATE -	REVISED -



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**CROSS ROAD CULVERT DETAILS**  
SCALE: SHEET NO. 5 OF 5 SHEETS STA. TO STA.

F.A.S. RTE. 574	SECTION 21-00056-09-PV	COUNTY MENARD	TOTAL SHEETS 54	SHEET NO. 13
ILLINOIS FED. AID PROJECT			CONTRACT NO. 93843	

EARTHWORK				
LOCATION	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	CU. YD.	CU. YD.	CU. YD.	CU. YD.
STA. 279+60 TO STA. 291+00	6721	5041	7523	-2482
STA. 291+00 TO STA. 305+00	11032	8274	8052	222
STA. 305+00 TO STA. 319+00	1145	859	2408	-1549
STA. 319+00 TO STA. 322+00	161	121	401	-280
<b>TOTAL</b>	<b>19059</b>	<b>14295</b>	<b>18384</b>	<b>-4089</b>

TREE REMOVAL		
LOCATION	20100210 TREE REMOVAL (OVER 15 UNITS DIA)	20100500 TREE REMOVAL (ACRES)
	UNIT	ACRE
STA. 299+73 36' RT.	27	
STA. 298+10 44' RT.	18	
STA. 298+85 44' RT.	21	
STA. 282+00 TO STA. 291+00 35' RT. TO 100' RT.		1.00
STA. 282+70 TO STA. 291+00 41' LT. TO 86' LT.		1.69
STA. 291+00 TO STA. 295+37 46' LT. TO 112' LT.		1.48
STA. 291+00 TO STA. 297+60 43' RT. TO 100' RT.		1.26
<b>TOTAL</b>	<b>66</b>	<b>5.43</b>

USE 5.5 ACRE

TEMPORARY EROSION CONTROL ITEMS			
LOCATION	28000250 TEMPORARY EROSION CONTROL SEEDING	28000400 PERIMETER EROSION BARRIER	28000500 INLET AND PIPE PROTECTION
	POUND	FOOT	EACH
STA. 283+50 TO STA. 286+00 LT.	125		
STA. 284+00 TO STA. 286+00 RT.	199		
STA. 290+00 TO STA. 295+00 LT.	211		
STA. 290+00 TO STA. 295+00 RT.	181		
STA. 283+50 TO STA. 286+00 LT.	88		
STA. 284+00 TO STA. 286+00 RT.	90		
STA. 290+00 TO STA. 295+00 LT.	21		
STA. 290+00 TO STA. 295+00 RT.	21		
STA. 283+50 TO STA. 286+00 LT.		250	
STA. 284+00 TO STA. 286+00 RT.		202	
STA. 290+00 TO STA. 295+00 LT.		502	
STA. 290+00 TO STA. 295+00 RT.		513	
STA. 284+55 56' LT.			1
STA. 293+60 50' RT.			1
STA. 308+70 32.5' RT.			1
STA. 310+50 40' RT.			1
STA. 314+33 42' RT.			1
STA. 316+58 39' LT.			1
<b>TOTAL</b>	<b>936</b>	<b>1467</b>	<b>6</b>

USE 950 POUND

28000305 TEMPORARY DITCH CHECKS	
LOCATION	TEMPORARY DITCH CHECKS
	FOOT
STA. 282+50 29' LT. & 29 RT.	18
STA. 283+50 52' LT. & 44' RT.	16
STA. 284+50 56' LT. & 67' RT.	16
STA. 286+50 33' LT. & 85' RT.	17
STA. 287+50 32' LT. & 87' RT.	17
STA. 288+50 42' LT. & 86' RT.	17
STA. 289+50 55' LT. & 100' RT.	17
STA. 290+50 59' LT. & 85' RT.	16
STA. 293+00 72' LT. & 82' RT.	16
STA. 294+50 72' LT. & 72' RT.	16
STA. 295+50 56' LT. & 56' RT.	16
STA. 296+50 39' LT. & 39' RT.	18
STA. 297+50 35' LT. & 35' RT.	18
STA. 298+50 34' RT.	9
STA. 300+00 45' LT. & 34' RT.	17
STA. 301+50 43' LT. & 34' RT.	18
STA. 303+00 38' LT. & 31' RT.	18
STA. 304+50 33' LT. & 33' RT.	18
<b>TOTAL</b>	<b>298</b>

HMA RESURFACING SCHEDULE				
LOCATION	40600982 HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	40600290 BITUMINOUS MATERIALS (TACK COAT)	40603080 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	40604050 HOT-MIX ASPHALT SURFACE COURSE IL-9.5FG, MIX "C", N50
	SQ. YD.	POUND	TON	TON
STA. 279+60 TO STA. 283+07	848			
STA. 286+30 TO STA. 287+10	196			
STA. 294+90 TO STA. 297+00	514			
STA. 299+35 TO STA. 303+00	893			
STA. 305+40 TO STA. 308+25	697			
STA. 314+75 TO STA. 320+70	1455			
STA. 321+53 TO STA. 322+00	115			
INGRAM AVE.	107			
STA. 279+60 TO STA. 322+00		5088		
STA. 288+00 TO STA. 294+50 (3 APPLICATIONS)		2340		
STA. 284+36 TO STA. 284+72		22		
STA. 293+41 TO STA. 294+07		40		
STA. 310+52 TO STA. 310+70		11		
STA. 314+24 TO STA. 314+42		11		
STA. 279+60 TO STA. 322+00			2791	948
INGRAM AVE.				9
<b>TOTAL</b>	<b>4825</b>	<b>7512</b>	<b>2791</b>	<b>957</b>

28100207 STONE RIPRAP, CLASS A4	
LOCATION	STONE RIPRAP CLASS A4
	TON
STA. 282+50 TO STA. 284+50 LT.	158
STA. 282+50 TO STA. 289+00 RT.	513
STA. 286+50 TO STA. 289+00 LT.	261
STA. 293+00 TO STA. 296+00 LT.	336
STA. 293+00 TO STA. 298+50 RT.	465
STA. 297+00 TO STA. 298+00 LT.	42
<b>TOTAL</b>	<b>1775</b>

MODEL: Default  
FILE: M:\MFE\_21\2009\_IblblLOCAL\Menard\09-023A\_C.H. 2 (Athens Blnkstop) Phase 4\Segment 1\CADD\_Sheets\09023a-eh-schedules.dgn

USER NAME = SUSERS	DESIGNED -	REVISED -
PLOT SCALE = SCALES	DRAWN -	REVISED -
PLOT DATE = 7/24/2025	CHECKED -	REVISED -
	DATE -	REVISED -



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IL. Design Firm No. 184-001939

SCHEDULES	
SCALE: _____	SHEET NO. 1 OF 3 SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	21-00056-09-PV	MENARD	54	14
ILLINOIS FED. AID PROJECT				CONTRACT NO. 93843



**35600700 HOT-MIX ASPHALT BASE COURSE WIDENING**

LOCATION	HOT-MIX ASPHALT BASE COURSE WIDENING, 6"
	SQ. YD.
STA. 279+60 TO STA. 283+50 LT. & RT.	217
STA. 283+50 TO STA. 284+38 LT. & RT.	54
STA. 284+72 TO STA. 285+50 LT. & RT.	48
STA. 285+50 TO STA. 287+50 LT. & RT.	112
STA. 287+50 TO STA. 290+00 LT. & RT.	209
STA. 290+00 TO STA. 292+50 LT. & RT.	278
STA. 292+50 TO STA. 293+40 LT. & RT.	90
STA. 293+40 TO STA. 294+06 LT. & RT.	59
STA. 294+06 TO STA. 295+00 LT. & RT.	68
STA. 295+00 TO STA. 322+00 LT. & RT.	1500
<b>TOTAL</b>	<b>2635</b>

**54213669 PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"**

LOCATION	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"
	EACH
STA. 284+49.7 50.7' LT.	1
STA. 284+61.4 60.7' RT.	1
STA. 310+61 33.5' LT. & 34.5 RT.	2
STA. 314+30.9 33.9' LT.	1
STA. 314+35.2 35.9' RT.	1
<b>TOTAL</b>	<b>6</b>

**44000100 PAVEMENT REMOVAL**

LOCATION	PAVEMENT REMOVAL
	SQ. YD.
STA. 284+36 TO STA. 284+72	88
STA. 293+41 TO STA. 294+07	162
STA. 310+52 TO STA. 310+70	44
STA. 314+24 TO STA. 314+42	44
<b>TOTAL</b>	<b>338</b>

**542A0229 PIPE CULVERTS, CLASS A, TYPE 1 24"**

LOCATION	PIPE CULVERTS, CLASS A, TYPE 1 24"
	FOOT
STA. 310+61 33.5' LT. TO STA. 310+61 34.5' RT.	68
STA. 314+31 33.9' LT. TO STA. 314+35 35.9' RT.	70
<b>TOTAL</b>	<b>138</b>

**63200310 GUARDRAIL REMOVAL**

LOCATION	GUARDRAIL REMOVAL
	FOOT
STA. 288+56 TO STA. 295+84 RT.	728
STA. 290+68 TO STA. 296+09 LT.	541
<b>TOTAL</b>	<b>1269</b>

**542A1069 PIPE CULVERTS, CLASS A, TYPE 2 24"**

LOCATION	PIPE CULVERTS, CLASS A, TYPE 2 24"
	FOOT
STA. 284+61.4 60.7' RT. TO STA. 284+49.7 50.7' LT.	112
<b>TOTAL</b>	<b>112</b>

**66600105 FURNISHING AND ERECTING RIGHT OF WAY MARKERS**

LOCATION	FURNISHING AND ERECTING RIGHT OF WAY MARKERS
	EACH
STA. 282+00 60' RT.	1
STA. 283+50 70' LT.	1
STA. 285+00 115' RT.	1
STA. 289+00 70' LT.	1
STA. 291+50 115' RT.	1
STA. 293+00 150' RT.	1
STA. 293+50 147.08' RT.	1
STA. 294+50 150' RT.	1
STA. 294+72.09 147.04' RT.	1
STA. 296+50 50' RT.	1
STA. 297+00 50' RT.	1
STA. 297+50 44.79' RT.	1
STA. 297+50 60' LT.	1
STA. 300+02.19 44.78' RT.	1
STA. 300+98.31 45' RT.	1
STA. 303+00 60' LT.	1
STA. 304+00 40.15' LT.	1
STA. 308+00 40.06' LT.	1
STA. 308+63.68 45' RT.	1
STA. 308+63.72 34.95' RT.	1
STA. 309+23.54 50' RT.	1
STA. 309+23.62 34.97' RT.	1
STA. 310+50 50' LT.	1
STA. 315+50 50' LT.	1
STA. 316+00 55' LT.	1
STA. 317+00 55' LT.	1
STA. 317+50 50' LT.	1
STA. 321+00 50' LT.	1
STA. 321+00 50' RT.	1
STA. 321+50 35.56' RT.	1
STA. 322+00 39.44' LT.	1
<b>TOTAL</b>	<b>31</b>

**48100100 AGGREGATE SHOULDERS**

LOCATION	AGGREGATE SHOULDERS, TYPE A
	TON
STA. 279+60 TO STA. 322+00	2286
P.E. STA. 285+33 LT.	47
F.E. STA. 309+38 RT.	23
F.E. STA. 316+38 LT.	29
<b>TOTAL</b>	<b>2385</b>

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

LOCATION	PIPE CULVERTS CLASS D, TYPE 1 24"
	FOOT
STA. 308+70 32.5' RT. TO STA. 309+58 37.7' RT.	88
STA. 316+18 39' LT. TO STA. 316+58 39' LT.	40
<b>TOTAL</b>	<b>128</b>

**50105220 PIPE CULVERT REMOVAL**

LOCATION	PIPE CULVERT REMOVAL
	FOOT
C.L. STA. 284+55 - 15"	70
C.L. STA. 293+73 - 10' X 17' CMPA	90
STA. 308+71 TO STA. 309+23 - 12"	52
STA. 309+25 TO STA. 309+51 - 12"	26
C.L. STA. 310+61 - 21"	48
C.L. STA. 314+33 - 18"	52
STA. 316+19 TO STA. 316+59 - 24"	40
<b>TOTAL</b>	<b>378</b>

**54262724 METAL FLARED END SECTIONS 24"**

LOCATION	METAL FLARED END SECTIONS 24"
	EACH
STA. 308+70 32.5' RT.	1
STA. 309+58 37.7' RT.	1
STA. 316+18 39' LT.	1
STA. 316+58 39' LT.	1
<b>TOTAL</b>	<b>4</b>

**54010909 PRECAST BOX CULVERTS 9' X 9'**

LOCATION	PRECAST BOX CULVERTS 9' X 9'
	FOOT
STA. 293+60 50' RT. TO STA. 293+85 47' LT.	100
<b>TOTAL</b>	<b>100</b>

**59300100 CONTROLLED LOW-STRENGTH MATERIAL**

LOCATION	CONTROLLED LOW- STRENGTH MATERIAL
	CU. YD.
C.L. STA. 284+55	60
C.L. STA. 310+61	12
C.L. STA. 314+33	13
<b>TOTAL</b>	<b>85</b>

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PLOT SCALE = 5SCALES	DRAWN - _____	REVISED - _____
PLOT DATE = 7/24/2025	CHECKED - _____	REVISED - _____
	DATE - _____	REVISED - _____



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 IL. Design Firm No. 184-001939

<b>SCHEDULES</b>	
SCALE: _____	SHEET NO. 2 OF 3 SHEETS STA. _____ TO STA. _____

F.A.P. RTE. 574	SECTION 21-00056-09-PV	COUNTY MENARD	TOTAL SHEETS 54	SHEET NO. 15
ILLINOIS FED. AID PROJECT			CONTRACT NO. 93843	

70107025 CHANGEABLE MESSAGE SIGN	
LOCATION	CHANGEABLE MESSAGE SIGN
	CAL DAY
MESSAGE BOARD 1	150
MESSAGE BOARD 2	150
MESSAGE BOARD 3	150
MESSAGE BOARD 4	150
TOTAL	600

78001110 PAINT PAVEMENT MARKING - LINE 4"			
LOCATION	SKIP DASH YELLOW	SOLID YELLOW	EDGE LINE WHITE
	FOOT	FOOT	FOOT
STA. 279+60 TO STA. 322+00 LT. EDGE			4240
STA. 279+60 TO STA. 322+00 RT. EDGE			4240
STA. 279+60 TO STA. 301+25 CENTERLINE		4330	
STA. 301+25 TO STA. 322+00 CENTERLINE LT.		2075	
STA. 301+25 TO STA. 322+00 CENTERLINE RT.	520		
SUB-TOTAL	520	6405	8480
TOTAL		15405	

X2501000 SEEDING, CLASS 2 (SPECIAL)	
LOCATION	SEEDING CLASS 2 (SPECIAL)
	ACRE
STA. 279+60 TO STA. 291+00 LT.	1.25
STA. 279+60 TO STA. 291+00 RT.	1.99
STA. 291+00 TO STA. 305+00 LT.	2.11
STA. 291+00 TO STA. 305+00 RT.	1.81
STA. 305+00 TO STA. 319+00 LT.	0.88
STA. 305+00 TO STA. 319+00 RT.	0.90
STA. 319+00 TO STA. 322+00 LT.	0.21
STA. 319+00 TO STA. 322+00 RT.	0.21
TOTAL	9.36

USE 9.50 ACRE

X5020108 GRANULAR CULVERT BACKFILL	
LOCATION	GRANULAR CULVERT BACKFILL
	CU. YD.
STA. 293+73 CENTERLINE	544
TOTAL	544

X6640104 FENCE REMOVAL	
	FENCE REMOVAL
	FOOT
STA. 282+00 42' RT. TO STA. 284+35 48' RT.	235
STA. 284+79 56' RT. TO STA. 291+91 69' RT.	785
STA. 293+00 83' RT. TO STA. 294+88 86' RT.	188
TOTAL	1208

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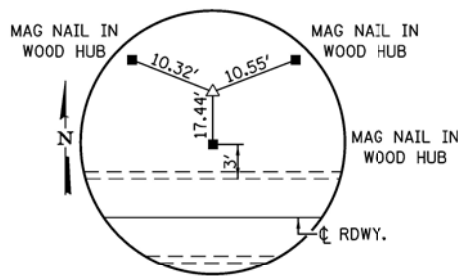


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 IL. Design Firm No. 184-001939

**SCHEDULE OF QUANTITIES**

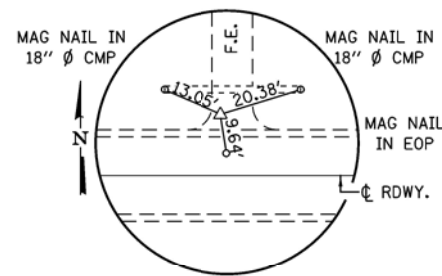
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	21-00056-09-PV	MENARD	54	16
			CONTRACT NO. 93843	
		ILLINOIS	FED. AID PROJECT	



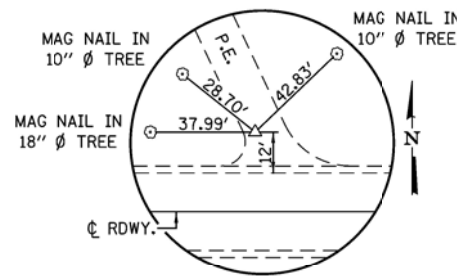
**CONTROL POINT EE**

1/2" Ø IRON PIN  
 STA. 267+29.33' LT.  
 N. 1206773.83  
 E. 2414617.06  
 EL. 609.97



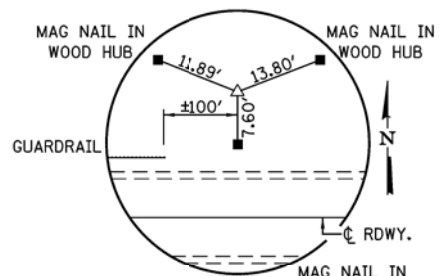
**CONTROL POINT EF**

1/2" Ø IRON PIN  
 STA. 279+20.21' LT.  
 N. 1205955.57  
 E. 2415488.69  
 EL. 598.85



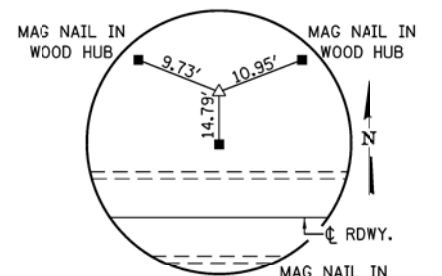
**CONTROL POINT EG**

1/2" Ø IRON PIN  
 STA. 285+10.22' LT.  
 N. 1205544.56  
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 EL. 594.64



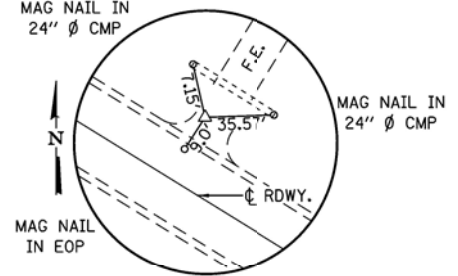
**CONTROL POINT EH**

1/2" Ø IRON PIN  
 STA. 297+57.23' LT.  
 N. 1204675.30  
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 EL. 591.12



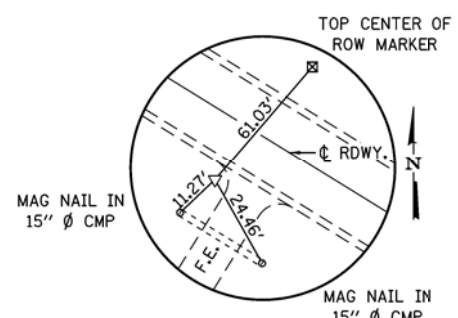
**CONTROL POINT EI**

1/2" Ø IRON PIN  
 STA. 304+02.33' LT.  
 N. 1204231.82  
 E. 2417275.12  
 EL. 605.52



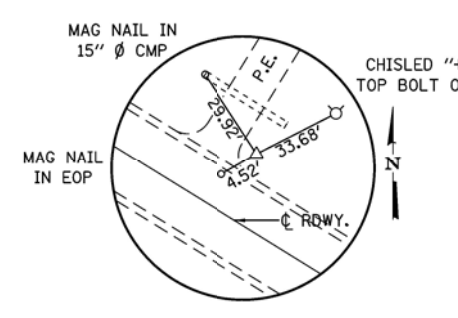
**CONTROL POINT FA**

1/2" Ø IRON PIN  
 STA. 316+38.20' LT.  
 N. 1203370.38  
 E. 2418141.08  
 EL. 608.08



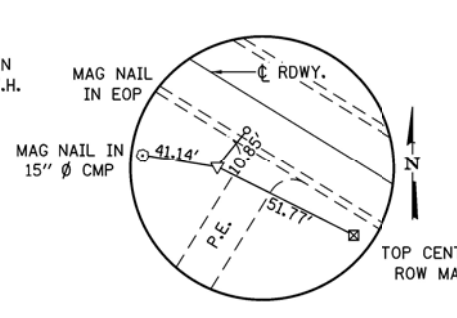
**CONTROL POINT FB**

1/2" Ø IRON PIN  
 STA. 329+10.16' RT.  
 N. 1202456.90  
 E. 2419027.13  
 EL. 610.53



**CONTROL POINT FC**

1/2" Ø IRON PIN  
 STA. 341+05.18' LT.  
 N. 1201646.59  
 E. 2419906.81  
 EL. 611.43



**CONTROL POINT FD**

1/2" Ø IRON PIN  
 STA. 350+21.23' LT.  
 N. 1201026.67  
 E. 2420580.03  
 EL. 610.60

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PLOT SCALE = SCALES	DRAWN -	REVISED -
PLOT DATE = 7/24/2025	CHECKED -	REVISED -
	DATE -	REVISED -



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 IL. Design Firm No. 184-001939

<b>CONTROL POINTS, CROSS TIES</b>			
SCALE:	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

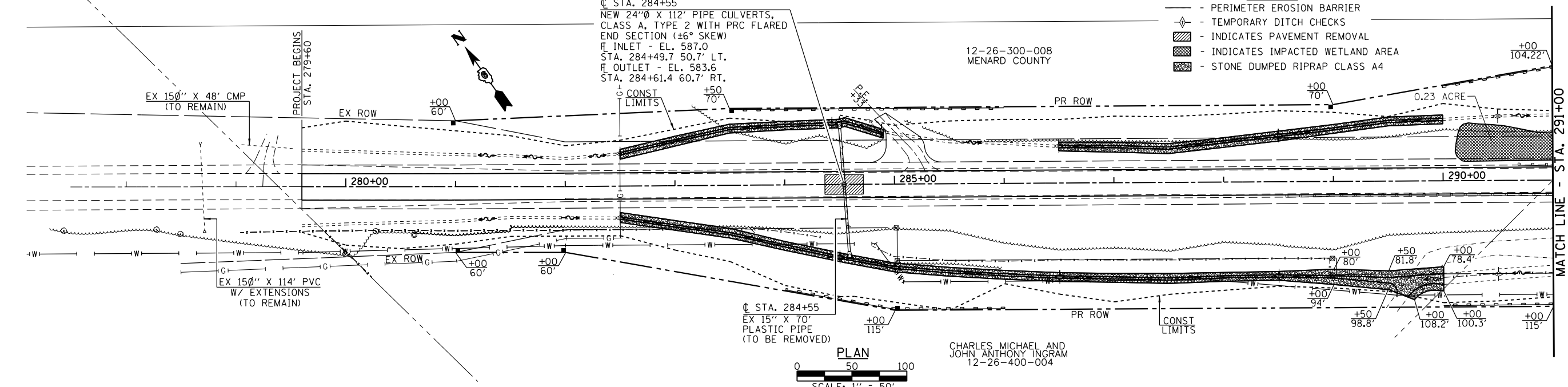
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	21-00056-09-PV	MENARD	54	17
CONTRACT NO. 93843				
ILLINOIS FED. AID PROJECT				

SECTION 26, T. 18 N., R. 6 W., 3rd P.M.

CL STA. 284+55  
 NEW 24" X 112' PIPE CULVERTS,  
 CLASS A, TYPE 2 WITH PRC FLARED  
 END SECTION (+6° SKEW)  
 H INLET - EL. 587.0  
 STA. 284+49.7 50.7' LT.  
 H OUTLET - EL. 583.6  
 STA. 284+61.4 60.7' RT.

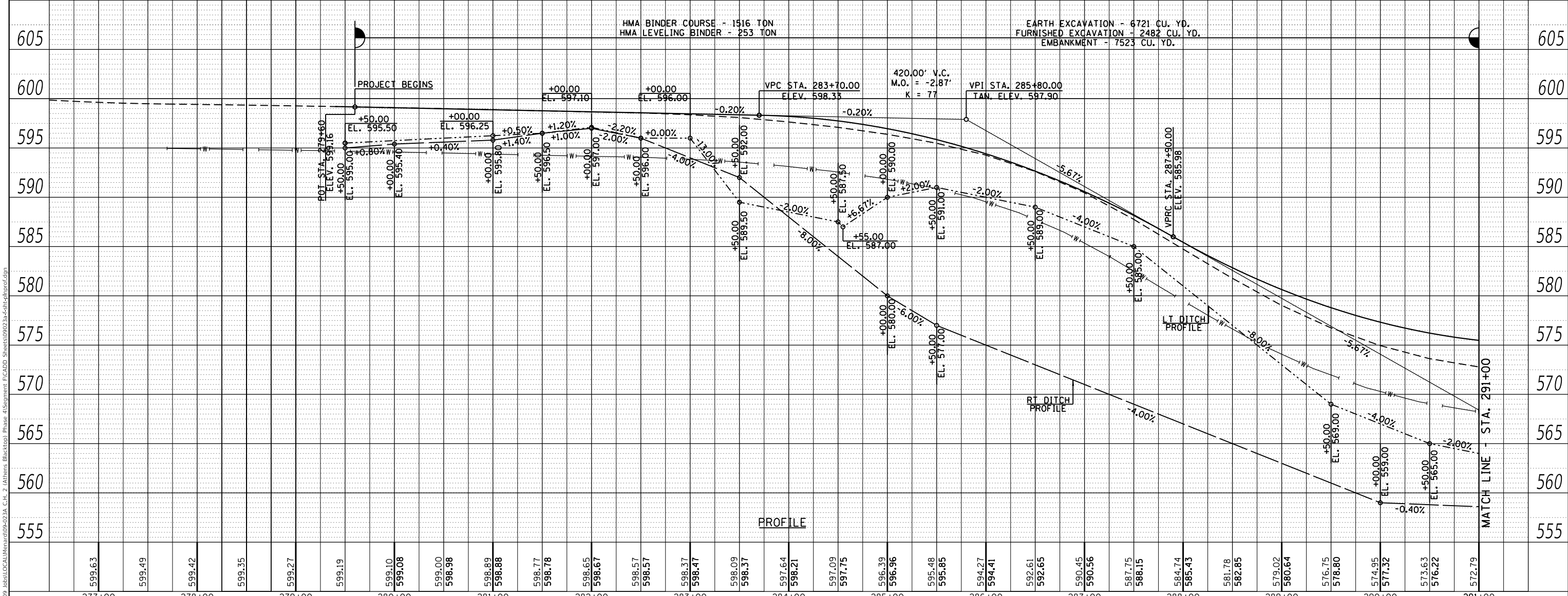
LEGEND

- PERIMETER EROSION BARRIER
- TEMPORARY DITCH CHECKS
- INDICATES PAVEMENT REMOVAL
- INDICATES IMPACTED WETLAND AREA
- STONE DUMPED RIPRAP CLASS A4



PLAN  
 SCALE: 1" = 50'

CHARLES MICHAEL AND  
 JOHN ANTHONY INGRAM  
 12-26-400-004



PROFILE

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	NO. 1	
	NO. 2	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES	
	CHECKED	
	NO. 1	
	NO. 2	

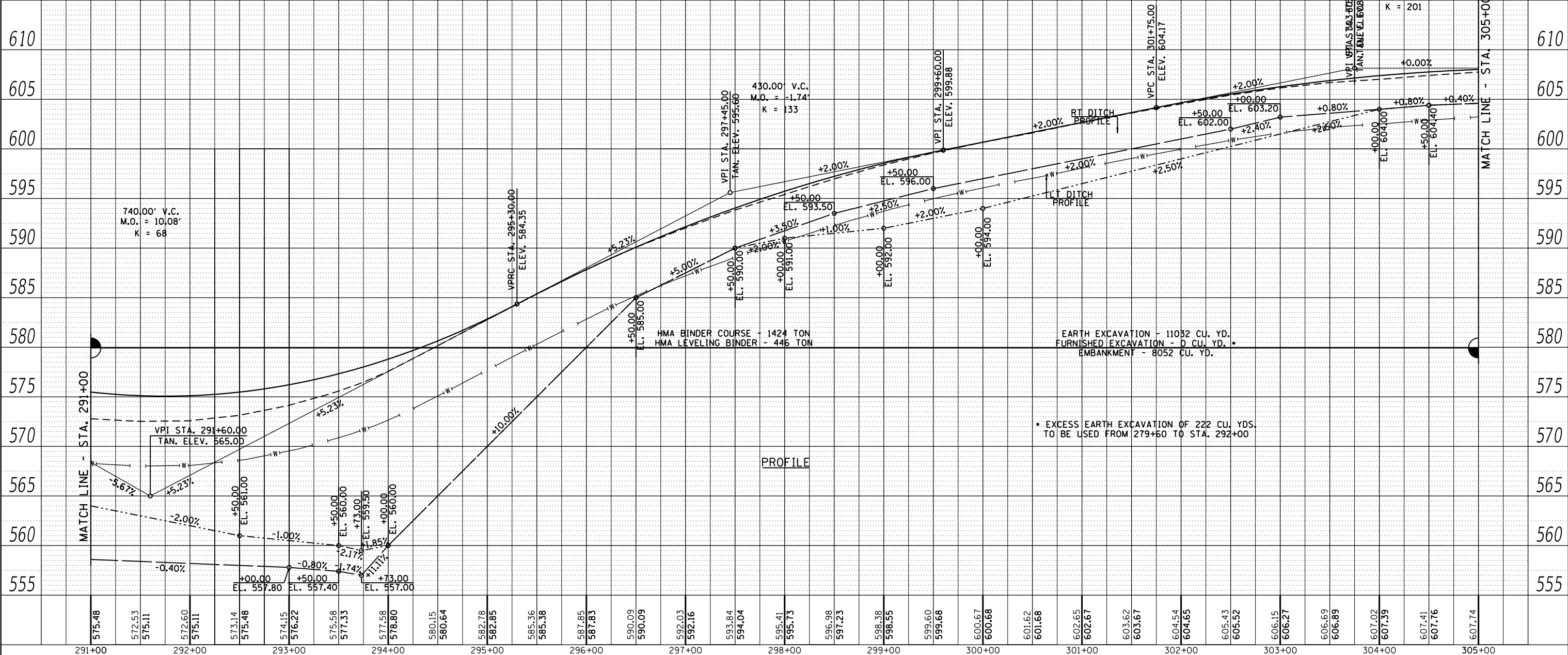
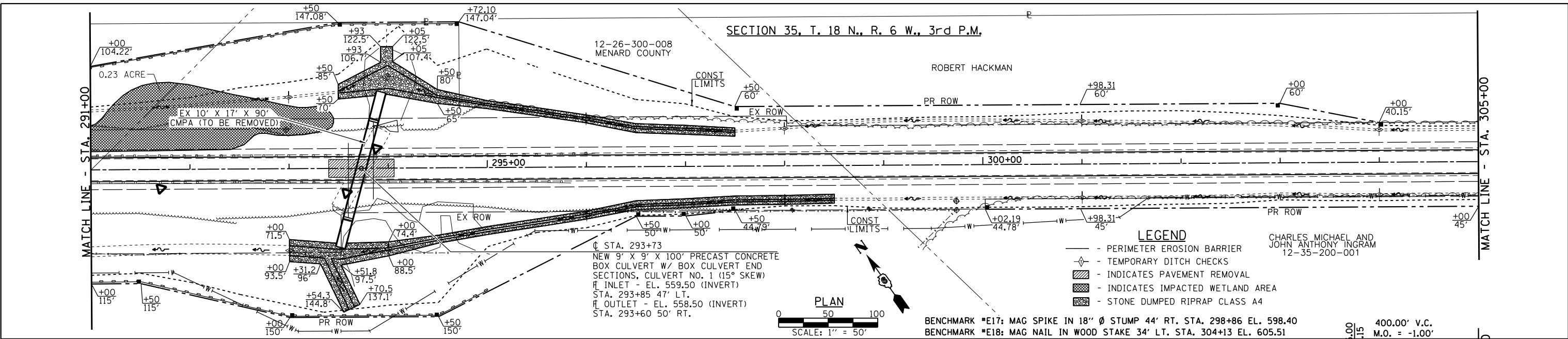
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USER NAME = ckohrus	DESIGNED -	REVISED -	<p><b>VEENSTRA &amp; KIMM INC.</b>          Springfield, IL. Phone: (217)544-8033          IL. Design Firm No. 184-001939</p>	<p><b>PLAN &amp; PROFILE</b></p> <p>SCALE: 1" = 50'    SHEET NO. 1 OF 4    SHEETS    STA. 277+00    TO STA. 291+00</p>	F.A.S. RTE. 574	SECTION 21-00056-09-PV	COUNTY MENARD	TOTAL SHEETS 54	SHEET NO. 18
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 93843	ILLINOIS	FED. AID PROJECT		
PLOT DATE = 7/25/2025	DATE -	REVISED -							

DATE	
BY	
PLAN	
SURVEYED	
PLOTTED	
ALIGNMENT CHECKED	
NOTE BOOK NO.	
STRUCTURE NOTATION	
CADD FILE NAME	

DATE	
BY	
PROFILE	
SURVEYED	
PLOTTED	
GRADES CHECKED	
NOTE BOOK NO.	
STRUCTURE NOTATION	
CADD FILE NAME	

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USER NAME = ckohrus	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0001' / in.	CHECKED -	REVISED -
PLOT DATE = 7/25/2025	DATE -	REVISED -

**VK VEENSTRA & KIMM INC.**  
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 IL. Design Firm No. 184-001939

SCALE:		SHEET NO. 2 OF 4 SHEETS		STA. 291+00 TO STA. 305+00	
<b>PLAN &amp; PROFILE</b>					

F.A.S. RTE. 574	SECTION 21-00056-09-PV	COUNTY MENARD	TOTAL SHEETS 54	SHEET NO. 19
CONTRACT NO. 93843			ILLINOIS FED. AID PROJECT	

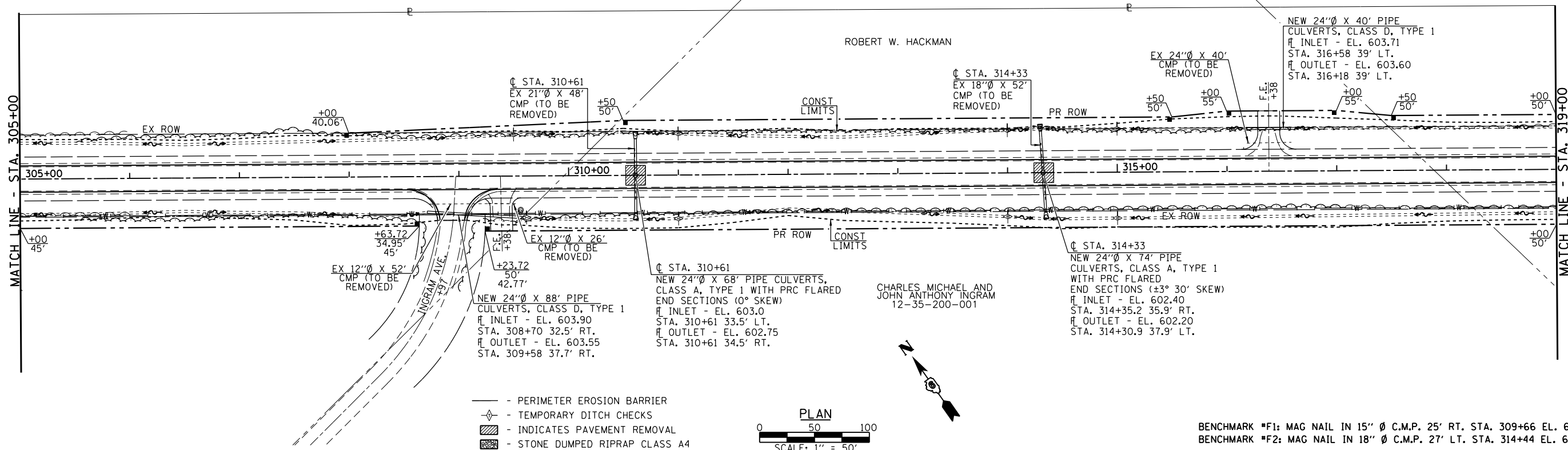


SECTION 35, T. 18 N., R. 6 W., 3rd P.M.

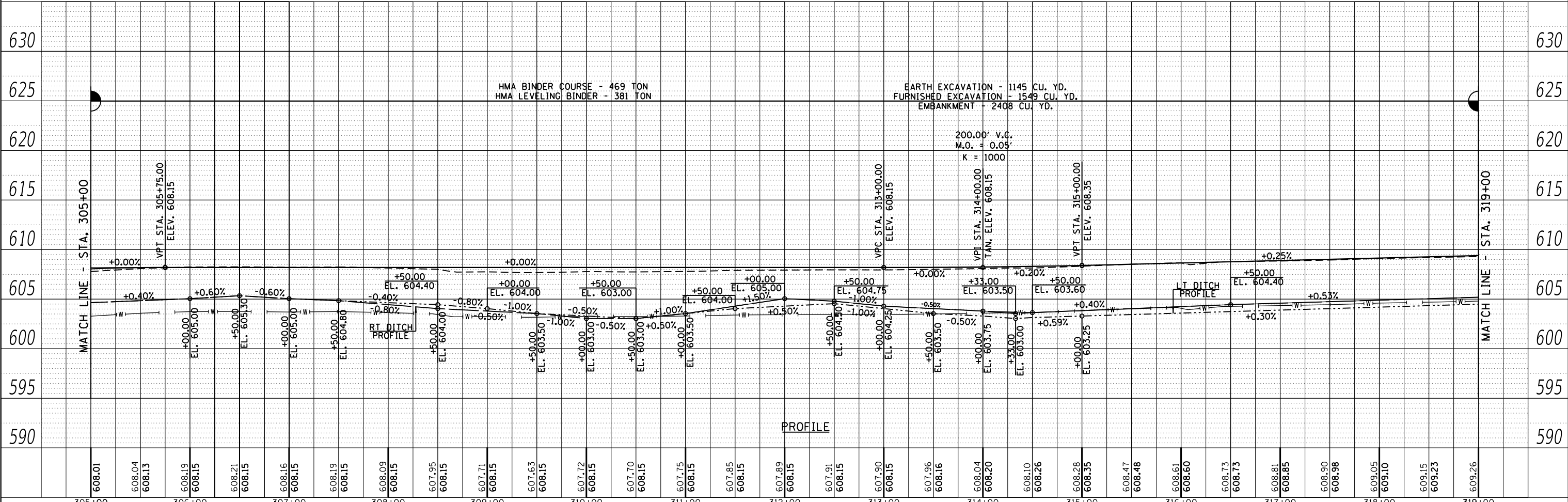
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PROFILE	SURVEYED	DATE
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	GRADES	
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	NOTATION	
	NO.	

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BENCHMARK \*F1: MAG NAIL IN 15" Ø C.M.P. 25' RT. STA. 309+66 EL. 604.81  
BENCHMARK \*F2: MAG NAIL IN 18" Ø C.M.P. 27' LT. STA. 314+44 EL. 603.69



USER NAME = ckohrus	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 7/25/2025	DATE -	REVISED -



**VEENSTRA & KIMM INC.**  
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IL. Design Firm No. 184-001939

<b>PLAN &amp; PROFILE</b>	
SCALE: 1" = 50'	SHEET NO. 3 OF 4 SHEETS
STA. 305+00	TO STA. 319+00

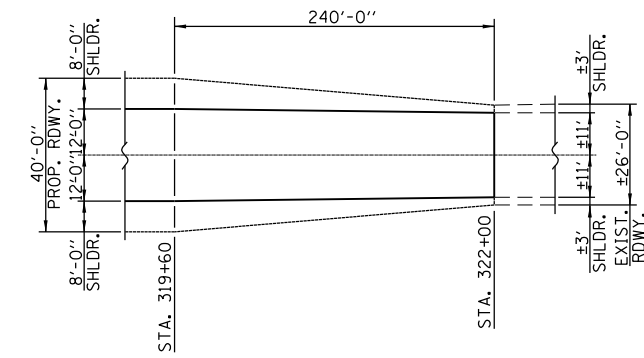
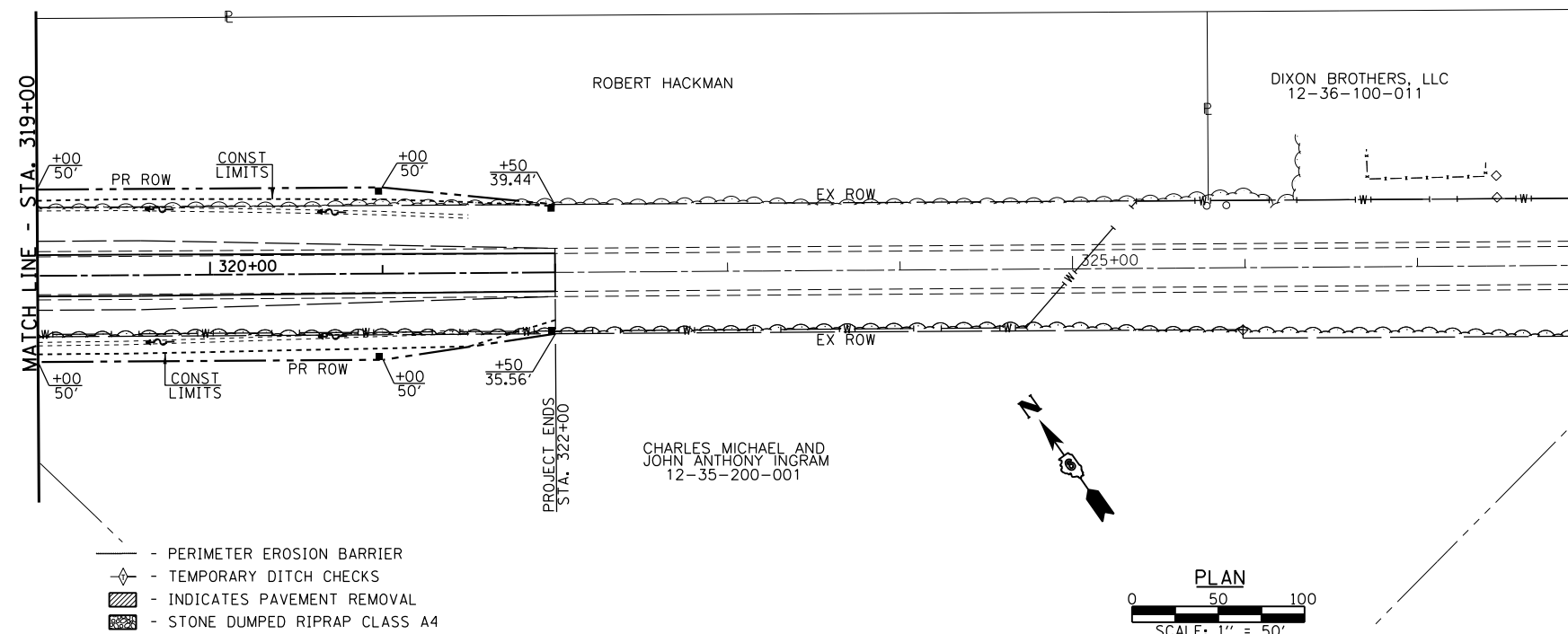
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CONTRACT NO. 93843			ILLINOIS FED. AID PROJECT	

SECTION 35, T. 18 N., R. 6 W., 3rd P.M.

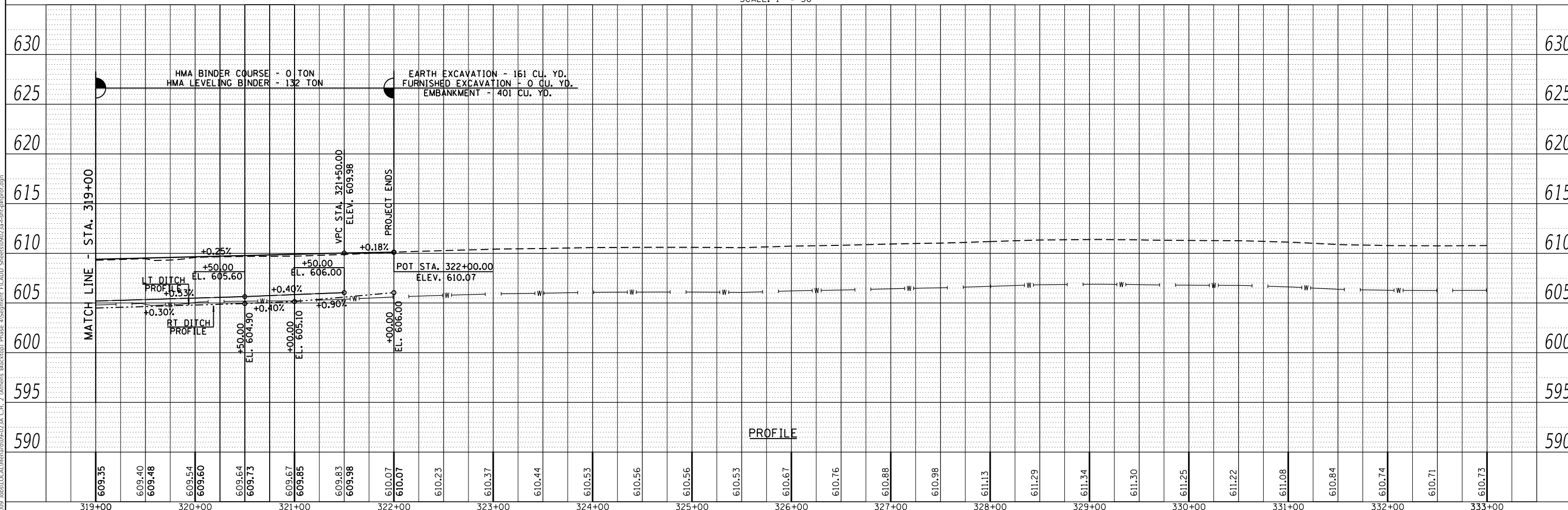
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	PLOTTED	
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	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

MODEL: 004  
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BENCHMARK \*F3: MAG NAIL IN EDGE OF PAVEMENT 11' RT. STA. 319+75 EL. 609.29  
 BENCHMARK \*F4: CHISLED 'G' ON S.W. CORNER CONCRETE PAD 33' LT. STA. 325+93 EL. 609.07  
 BENCHMARK \*F5: TOP POINT OF R.O.W. MARKER 40' LT. STA. 329+35 EL. 610.47



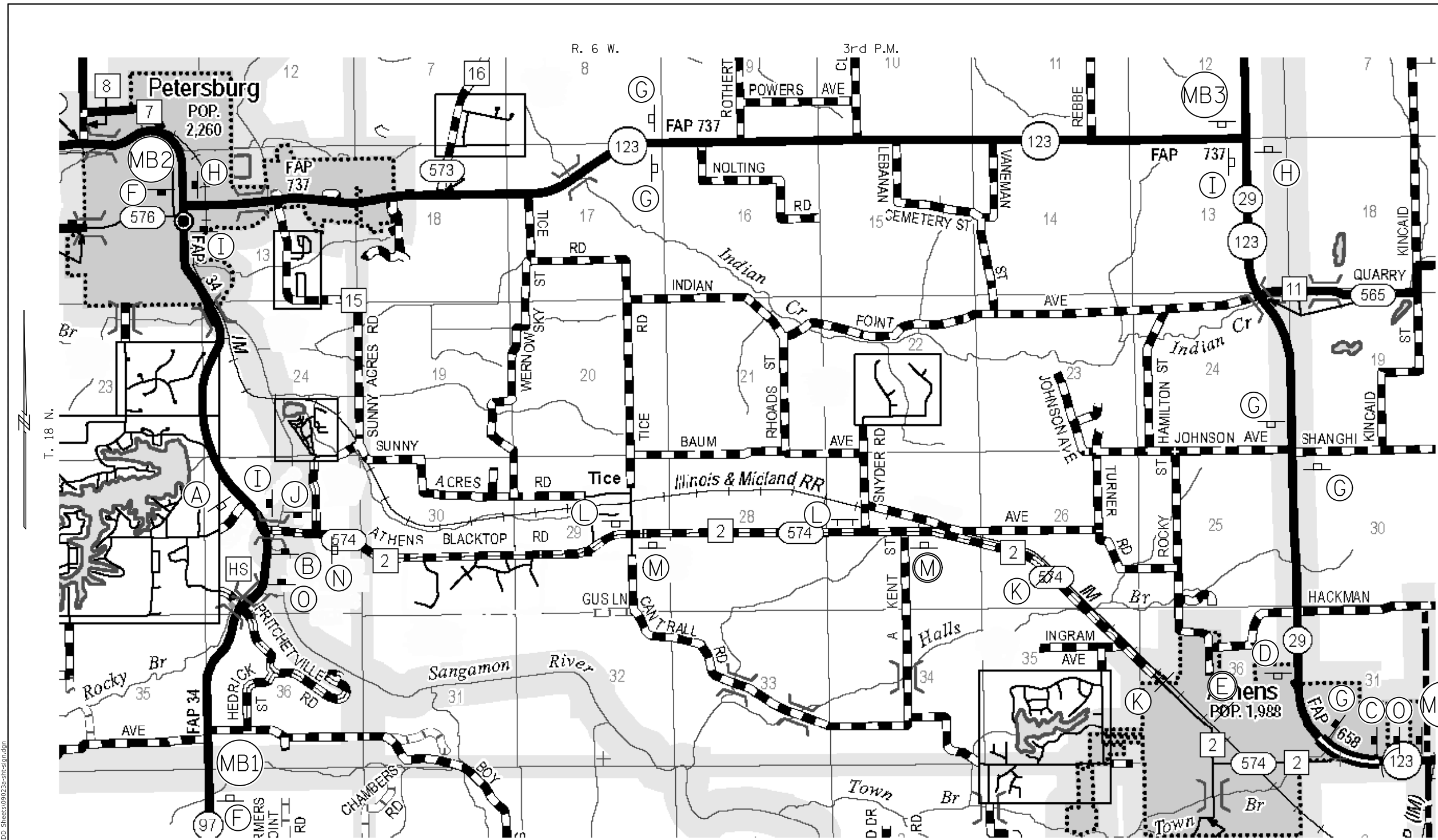
USER NAME = ckohlrus	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 7/25/2025	DATE -	REVISED -



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 IL. Design Firm No. 184-001939

SCALE: 1" = 50'		SHEET NO. 4 OF 4 SHEETS		STA. 319+00 TO STA. 333+00	
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	21-00056-09-PV	MENARD	54	21
CONTRACT NO. 93843				
ILLINOIS FED. AID PROJECT				



SIGN & BARRICADE LOCATION PLAN

- 60X30 ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY  
R11-3A BLACK ON WHITE
- 48X30 ROAD CLOSED  
R11-2 BLACK ON WHITE
- 12X ATHENS BLACKTOP  
BLACK ON FLUORESCENT ORANGE WITH 6" LETTERS
- 30X24 DETOUR  
M4-9L FLUORESCENT ORANGE
- 30X24 DETOUR  
M4-9R FLUORESCENT ORANGE
- 36X36 DETOUR AHEAD  
W20-2 BLACK ON FLUORESCENT ORANGE
- 24X12 DETOUR  
M4-8
- 48X24  
W1-6 FLUORESCENT ORANGE

**LEGEND**

- SIGN A - "ATHENS BLACKTOP CLOSED 5 MILE AHEAD" R11-3A-6030 WITH W1-6L
- SIGN B - "ATHENS BLACKTOP CLOSED 5 MILE AHEAD" R11-3A-6030 WITH W1-6R
- SIGN C - "ATHENS BLACKTOP CLOSED 2 MILES AHEAD" R11-3A-6030 WITH W1-6L
- SIGN D - "ATHENS BLACKTOP CLOSED 2 MILES AHEAD" R11-3A-6030 WITH W1-6R
- SIGN E - "ATHENS BLACKTOP CLOSED 1 MILES AHEAD" R11-3A-6030
- SIGN F - "ATHENS BLACKTOP CLOSED 4.5 MILES AHEAD" (PLACE IN ADVANCE OF IL 123 INTERSECTION & BOY SCOUT TRAIL)
- SIGN G - "ATHENS BLACKTOP WITH M4-8"
- SIGN H - "ATHENS BLACKTOP" WITH DETOUR M4-9L
- SIGN I - "ATHENS BLACKTOP" WITH DETOUR M4-9R
- SIGN J - "ROAD CLOSED 2.5 MILES AHEAD" R11-3A-6030 WITH W1-6L AND M4-9R 3024

- SIGN K - BLR STANDARD 21 WITH R11-2
- SIGN L - "ROAD CLOSED" R11-2-4830 WITH W1-6L
- SIGN M - "ROAD CLOSED" R11-2-4830 WITH W1-6R
- SIGN N - "ATHENS BLACKTOP CLOSED 4 MILES AHEAD" R11-3A-6030
- SIGN O - "DETOUR AHEAD" W20-2 WITH "ATHENS BLACKTOP"
- MB1 - MB4 - MESSAGE BOARDS

- MB1**  
ATHENS BLACKTOP  
CLOSED 6 MILES AHEAD  
USE 123 TO PETERSBURG
- MB2**  
ATHENS BLACKTOP  
CLOSED 6.5 MILES AHEAD  
2 MILE WEST OF ATHENS
- MB3**  
ATHENS BLACKTOP  
CLOSED 6 MILES AHEAD  
USE 123 TO PETERSBURG
- MB4**  
ATHENS BLACKTOP  
CLOSED 3 MILES AHEAD  
USE 123 TO PETERSBURG

MODEL: D:\default  
 FILE NAME: 202308 Jobs\LOCAL\Menard\09-023A\_C4\_2\_Athens (Blacktop) Phase 4\Segment 1\FICADD\_Sheets\09023A-rh-10gn.dgn  
 DATE: 7/25/2025

USER NAME = SUSERS	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 55CALES	CHECKED -	REVISED -
PLOT DATE = 7/25/2025	DATE -	REVISED -



**VEENSTRA & KIMM INC.**  
 Springfield, IL. Phone: (217)544-8033  
 IL. Design Firm No. 184-001939

**SIGN & BARRICADE LOCATION PLAN**

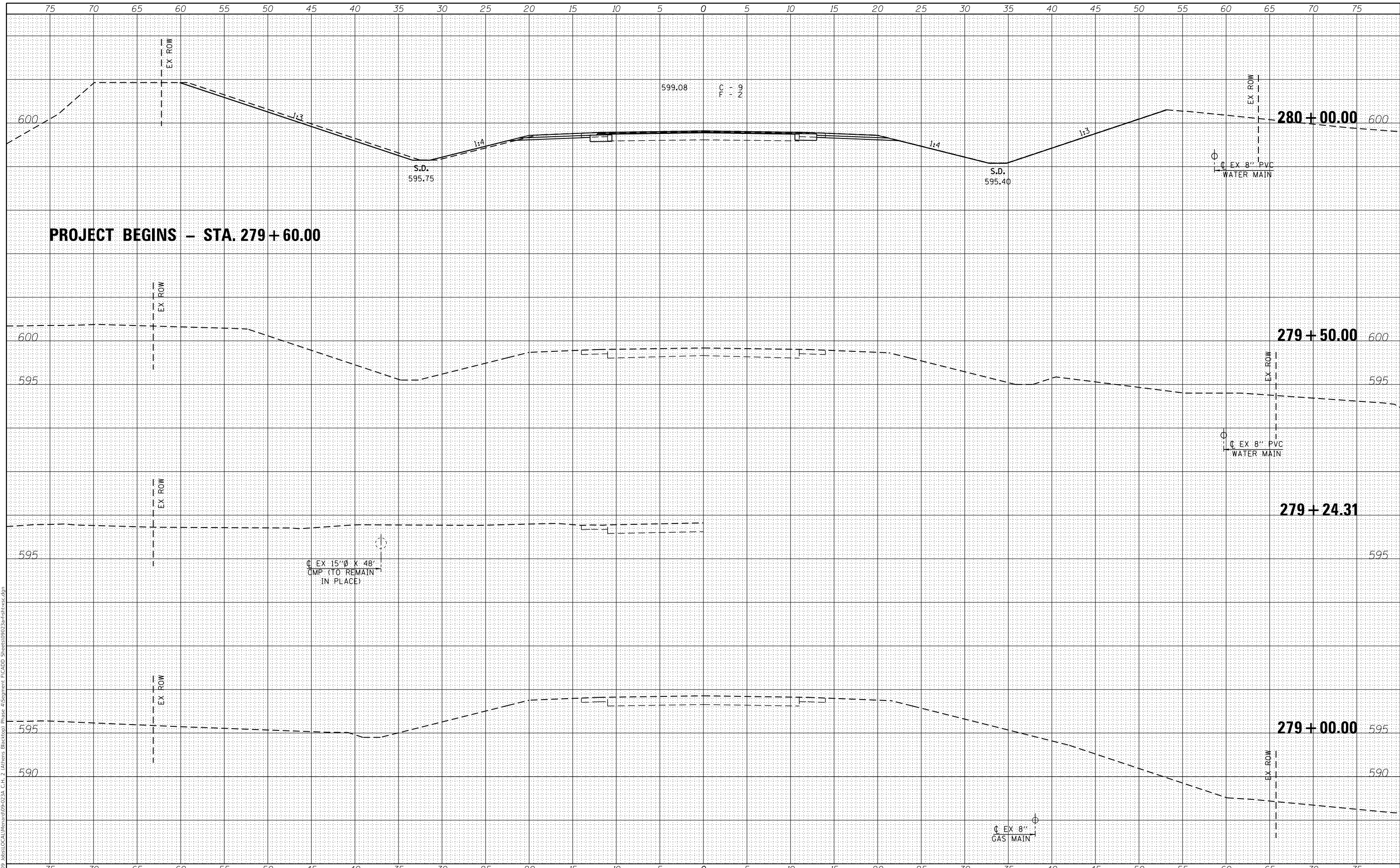
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	21-00056-09-PV	MENARD	54	22
CONTRACT NO. 93843				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINISHED SURVEY	
PLOTTED TEMPLATE	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
AREAS CHECKED	
NO.	

MODEL: Definit  
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USER NAME = ckohlrus	DESIGNED -	REVISD -
	DRAWN -	REVISD -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISD -
PLOT DATE = 7/25/2025	DATE -	REVISD -



**VEENSTRA & KIMM INC.**  
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 IL. Design Firm No. 184-001939

**CROSS SECTIONS**

SCALE: 1" = 5'    SHEET NO. 1 OF 32 SHEETS    STA. 279+00.00 TO STA. 280+00.00

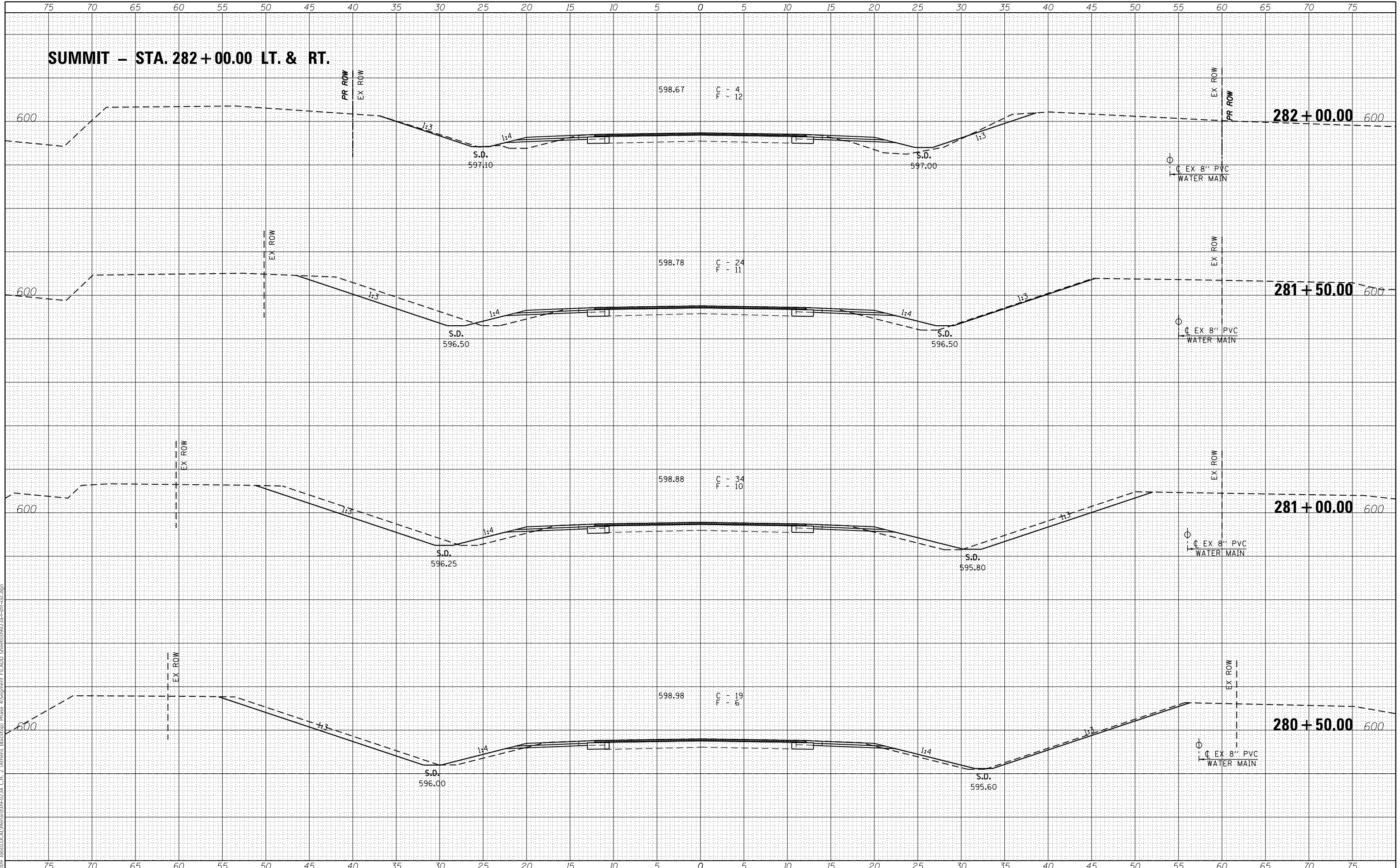
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	21-00056-09-PV	MENARD	54	23
			CONTRACT NO. 93843	
		ILLINOIS FED. AID PROJECT		

# SUMMIT - STA. 282+00.00 LT. & RT.

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

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

MODEL: Definit  
 FILE NAME: Z:\2008 Jobs\LOCAL\Main\109-023A - C.H. 2 Lattens Blacktop Phase 4\Segment F\CADD Sheets\09023A-4-Sub-Cross.dgn



USER NAME = ckohlrus	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 7/25/2025	DATE -	REVISED -



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 IL. Design Firm No. 184-001939

### CROSS SECTIONS

SCALE: 1" = 5'    SHEET NO. 2 OF 32 SHEETS    STA. 280+50.00 TO STA. 282+00.00

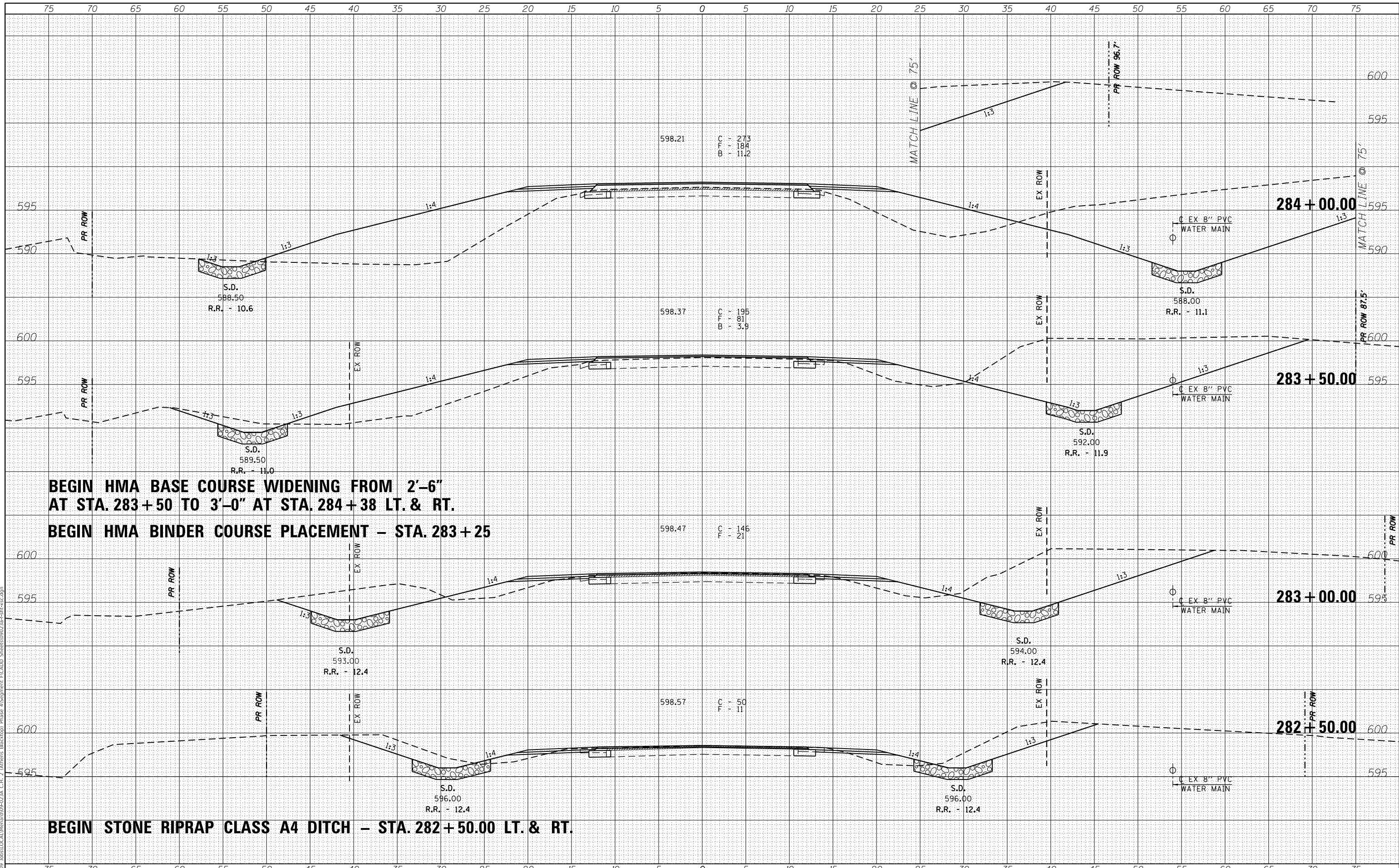
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	21-00056-09-PV	MENARD	54	24
CONTRACT NO. 93843				
ILLINOIS FED. AID PROJECT				



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

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

MODEL: Defi.dwg  
FILE NAME: Z:\2008 jobs\LOCAL\Menard\09-023A - C.H. 2\Atkins\Blacktop\Phase 4\Assignment\PCADD Sheets\09023A-04-sh-cs.dwg



BEGIN HMA BASE COURSE WIDENING FROM 2'-6" AT STA. 283+50 TO 3'-0" AT STA. 284+38 LT. & RT.

BEGIN HMA BINDER COURSE PLACEMENT - STA. 283+25

BEGIN STONE RIPRAP CLASS A4 DITCH - STA. 282+50.00 LT. & RT.

USER NAME = ckhnlus	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
	DATE -	REVISED -



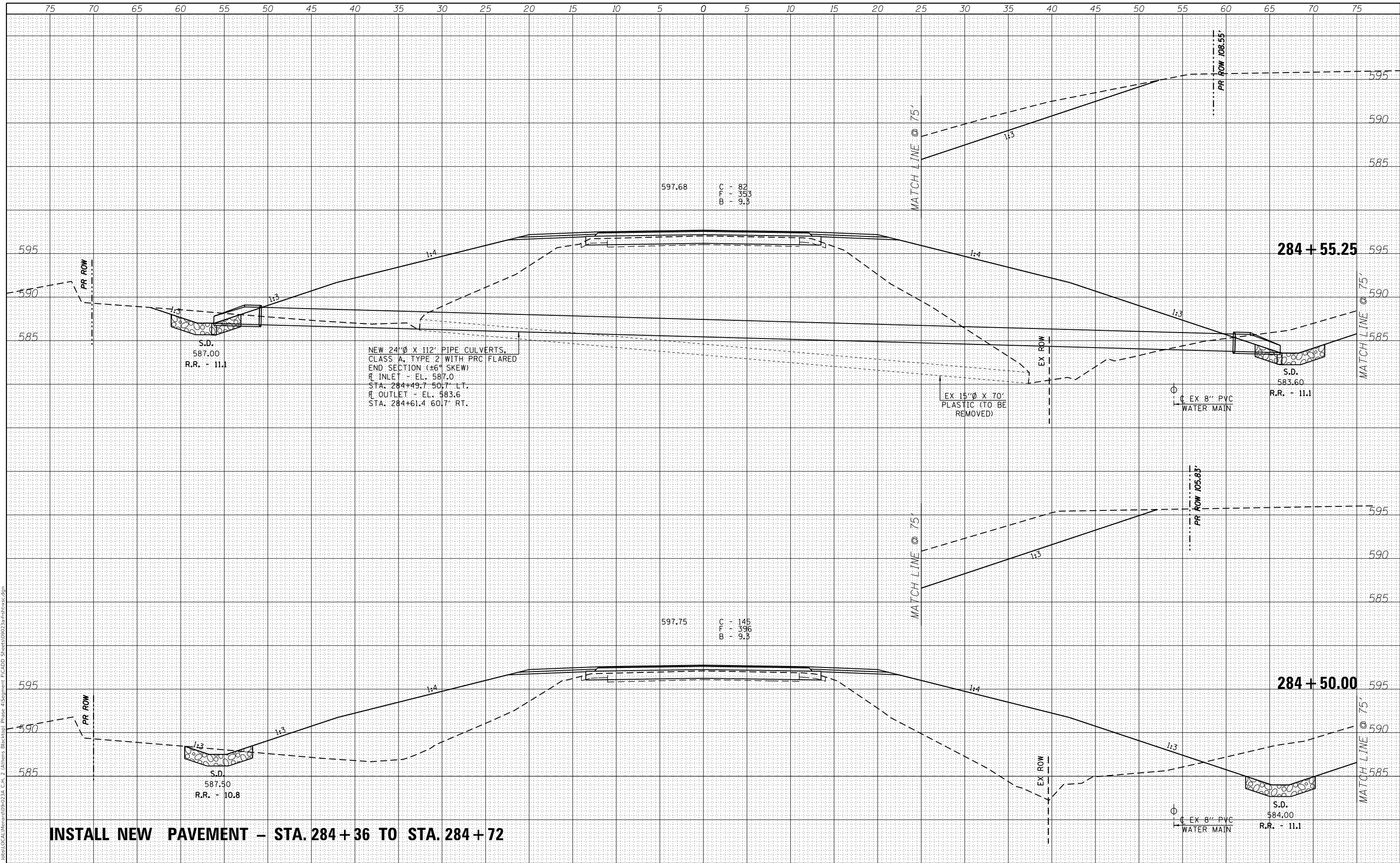
**VEENSTRA & KIMM INC.**  
Springfield, IL. Phone: (217)544-8033  
IL. Design Firm No. 184-001939

SCALE: 1" = 5'		SHEET NO. 3 OF 32 SHEETS		STA. 282+50.00 TO STA. 284+00.00		F.A.S. RTE. 574		SECTION 21-00056-09-PV		COUNTY MENARD		TOTAL SHEETS 54	SHEET NO. 25
ILLINOIS FED. AID PROJECT												CONTRACT NO. 93843	

DATE	
BY	
FINISHED SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

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FILE NAME: 2/2/2008



USER NAME = ckhrlus	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 7/25/2025	DATE -	REVISED -



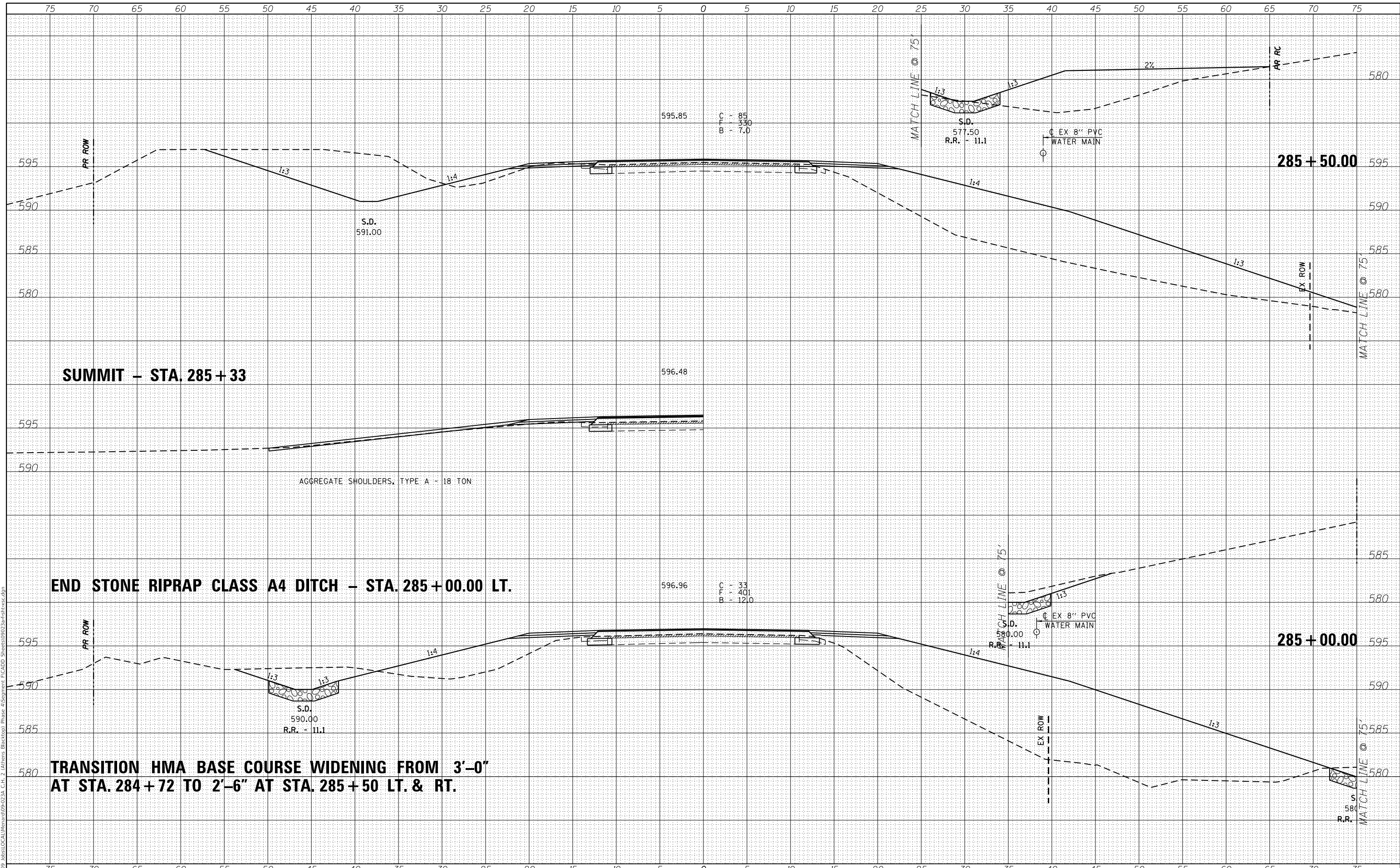
**VEENSTRA & KIMM INC.**  
 Springfield, IL. Phone: (217)544-8033  
 IL. Design Firm No. 184-001939

<b>CROSS SECTIONS</b>		F.A.S. RTE. 574	SECTION 21-00056-09-PV	COUNTY MENARD	TOTAL SHEETS 54	SHEET NO. 26
SCALE: 1" = 5'	SHEET NO. 4 OF 32 SHEETS	STA. 284+50.00 TO STA. 284+55.25		CONTRACT NO. 93843		
		ILLINOIS		FED. AID PROJECT		

DATE	
BY	
FINISHED SURVEY	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

MODEL: Definit  
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USER NAME = ckohlrus	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 7/25/2025	DATE -	REVISED -



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 IL. Design Firm No. 184-001939

**CROSS SECTIONS**

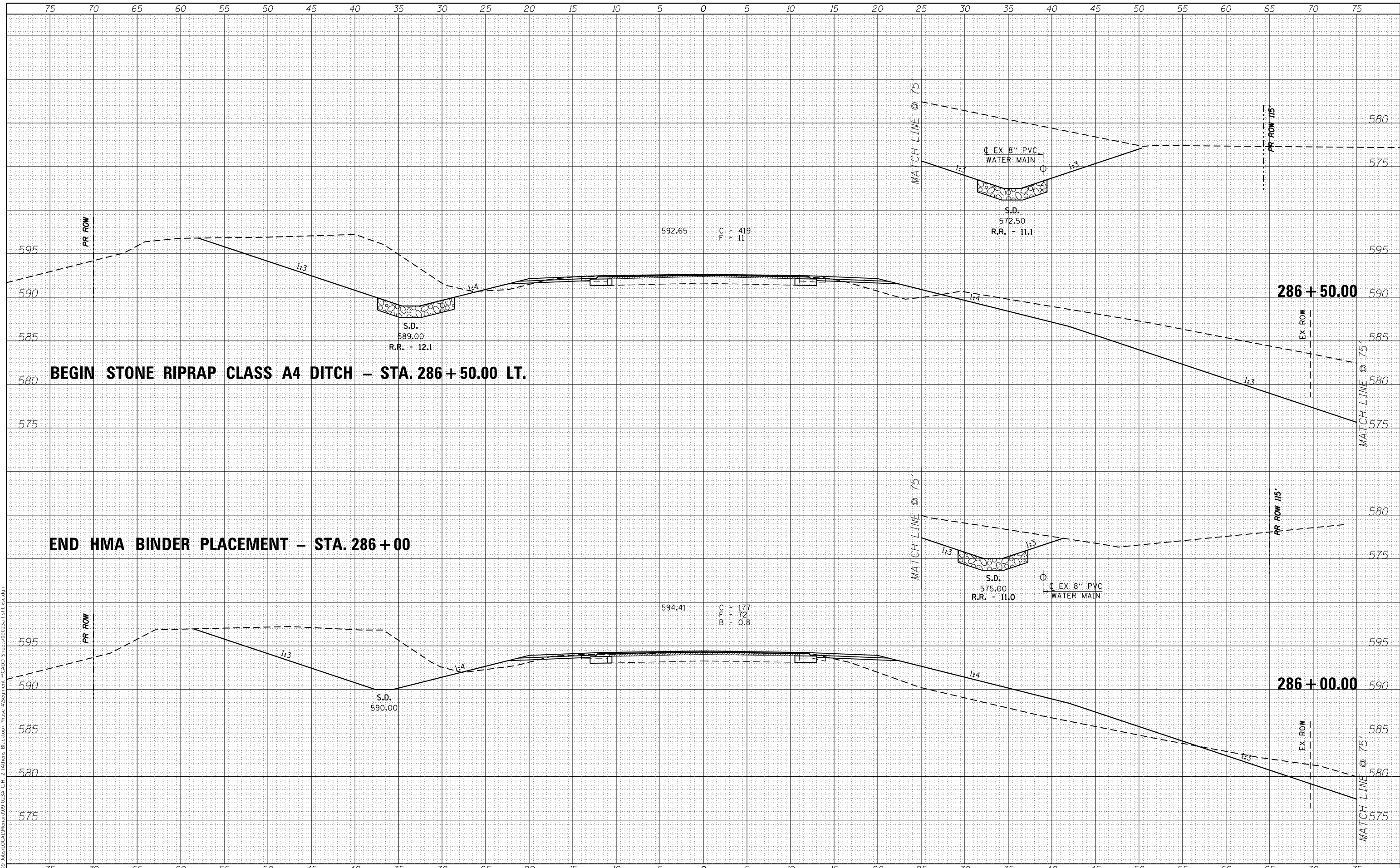
SCALE: 1" = 5'    SHEET NO. 5 OF 32 SHEETS    STA. 285+00.00 TO STA. 285+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	21-00056-09-PV	MENARD	54	27
CONTRACT NO. 93843			ILLINOIS FED. AID PROJECT	

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

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

MODEL: Definit  
 FILE NAME: Z:\2025\Jobs\LOCAL\Main\19-023A - C.H. 2 Lanes Blacktop Phase 4\Segment F\CADD Sheets\09023A-4-sh-cs.dgn



USER NAME = ckohlrus	DESIGNED -	REVISED -
PLLOT SCALE = 10.0000' / in.	DRAWN -	REVISED -
PLLOT DATE = 7/25/2025	CHECKED -	REVISED -
	DATE -	REVISED -



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 IL. Design Firm No. 184-001939

**CROSS SECTIONS**

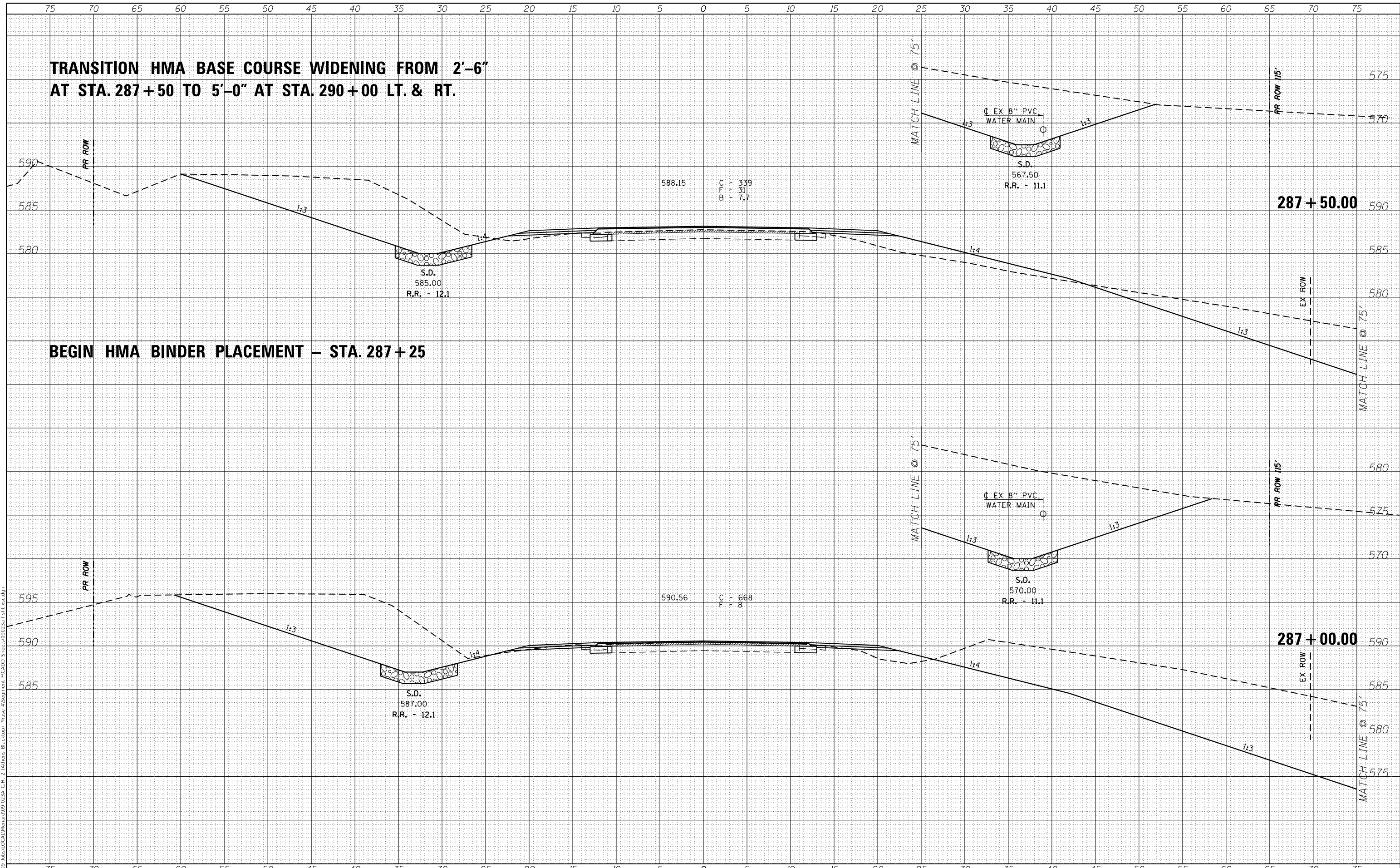
SCALE: 1" = 5'      SHEET NO. 6 OF 32 SHEETS      STA. 286+00.00 TO STA. 286+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	21-00056-09-PV	MENARD	54	28
CONTRACT NO. 93843			ILLINOIS FED. AID PROJECT	



**TRANSITION HMA BASE COURSE WIDENING FROM 2'-6" AT STA. 287+50 TO 5'-0" AT STA. 290+00 LT. & RT.**

**BEGIN HMA BINDER PLACEMENT - STA. 287+25**



DATE	
BY	
FINISHED SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

MODEL: Definit  
 FILE NAME: Z:\2008 Jobs\LOCAL\Main\09-0234 - C.H. 2 Lanes Blacktop Phase 4\Segment F\CADD Sheets\090234-4-sh-cs2.dgn

USER NAME = ckohlrus	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 7/25/2025	DATE -	REVISED -



**VEENSTRA & KIMM INC.**  
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 IL. Design Firm No. 184-001939

SCALE: 1" = 5'		SHEET NO. 7 OF 32 SHEETS		STA. 287+00.00 TO STA. 287+50.00	
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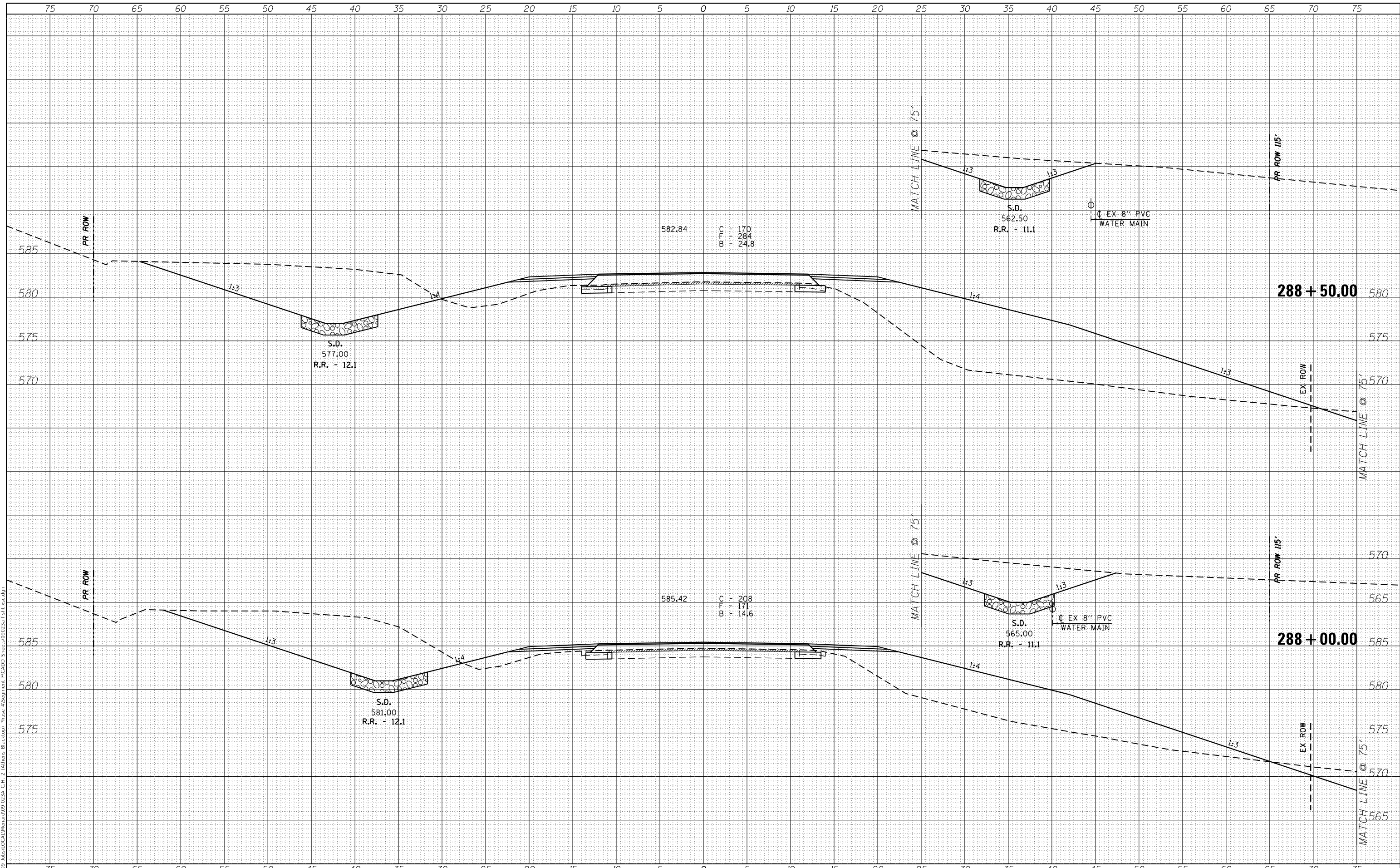
**CROSS SECTIONS**

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	21-00056-09-PV	MENARD	54	29
CONTRACT NO. 93843				
ILLINOIS		FED. AID PROJECT		

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

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

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USER NAME = ckohlrus	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 7/25/2025	DATE -	REVISED -



**VEENSTRA & KIMM INC.**  
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 IL. Design Firm No. 184-001939

**CROSS SECTIONS**

SCALE: 1" = 5'      SHEET NO. 8 OF 32 SHEETS      STA. 288+00.00 TO STA. 288+50.00

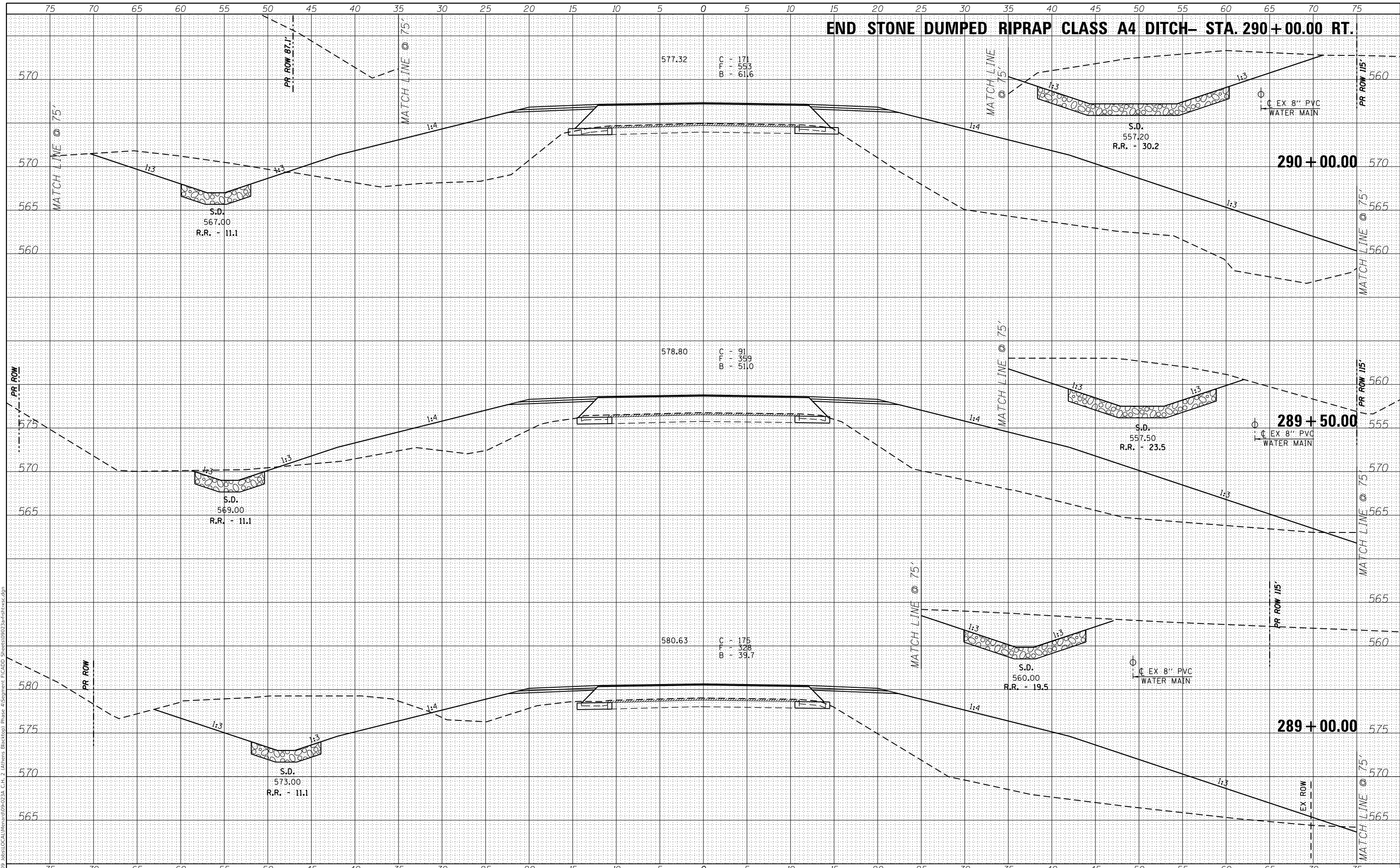
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	21-00056-09-PV	MENARD	54	30
CONTRACT NO. 93843			ILLINOIS FED. AID PROJECT	

**END STONE DUMPED RIPRAP CLASS A4 DITCH- STA. 290+00.00 RT.**

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: Definit  
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USER NAME = ckohlrus	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 7/25/2025	DATE -	REVISED -



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 Springfield, IL. Phone: (217)544-8033  
 IL. Design Firm No. 184-001939

**CROSS SECTIONS**

SCALE: 1" = 5'      SHEET NO. 9 OF 32 SHEETS      STA. 289+00.00 TO STA. 290+00.00

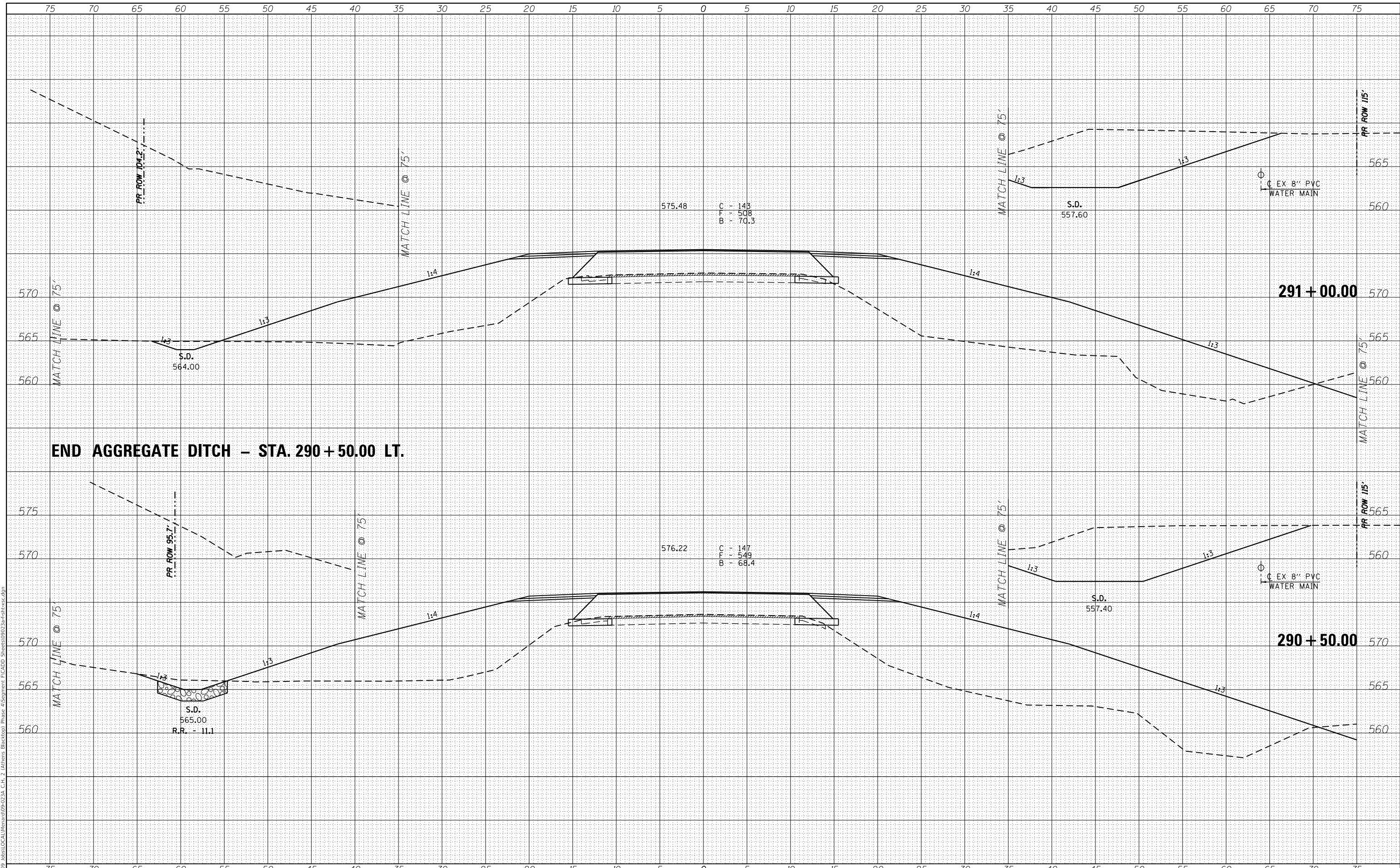
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	21-00056-09-PV	MENARD	54	31
CONTRACT NO. 93843			ILLINOIS FED. AID PROJECT	



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

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

MODEL: Definit  
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**END AGGREGATE DITCH - STA. 290+50.00 LT.**

USER NAME = ckohlrus	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 7/25/2025	DATE -	REVISED -



**VEENSTRA & KIMM INC.**  
 Springfield, IL. Phone: (217)544-8033  
 IL. Design Firm No. 184-001939

**CROSS SECTIONS**

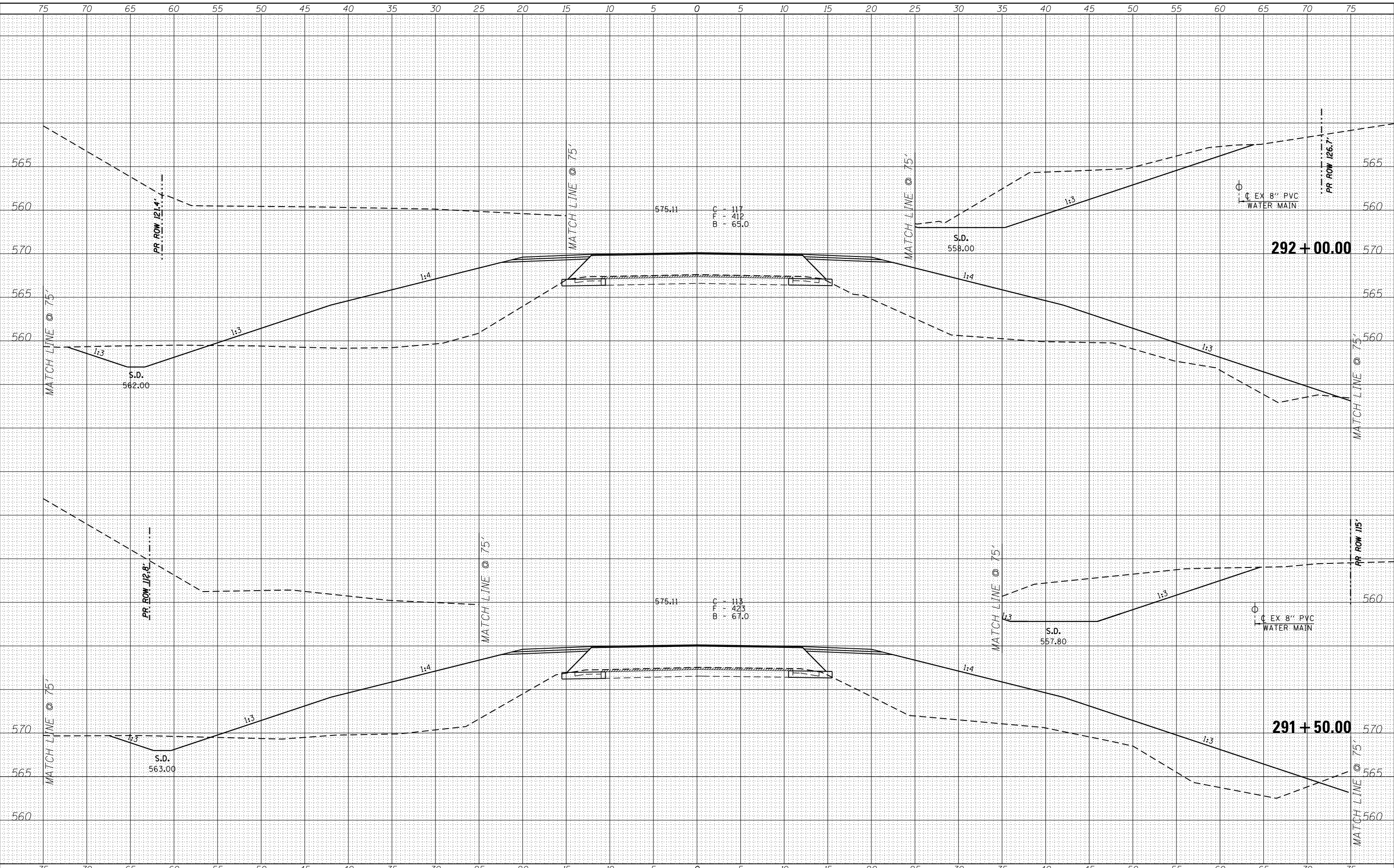
SCALE: 1" = 5'      SHEET NO. 10 OF 32 SHEETS      STA. 290+50.00 TO STA. 291+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	21-00056-09-PV	MENARD	54	32
			CONTRACT NO. 93843	
		ILLINOIS	FED. AID PROJECT	

DATE	BY

DATE	BY

MODEL: D:\proj\...  
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 USER: ckohlrus



USER NAME = ckohlrus	DESIGNED -	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 7/25/2025	CHECKED -	REVISED -
	DATE -	REVISED -



**VEENSTRA & KIMM INC.**  
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 IL. Design Firm No. 184-001939

**CROSS SECTIONS**

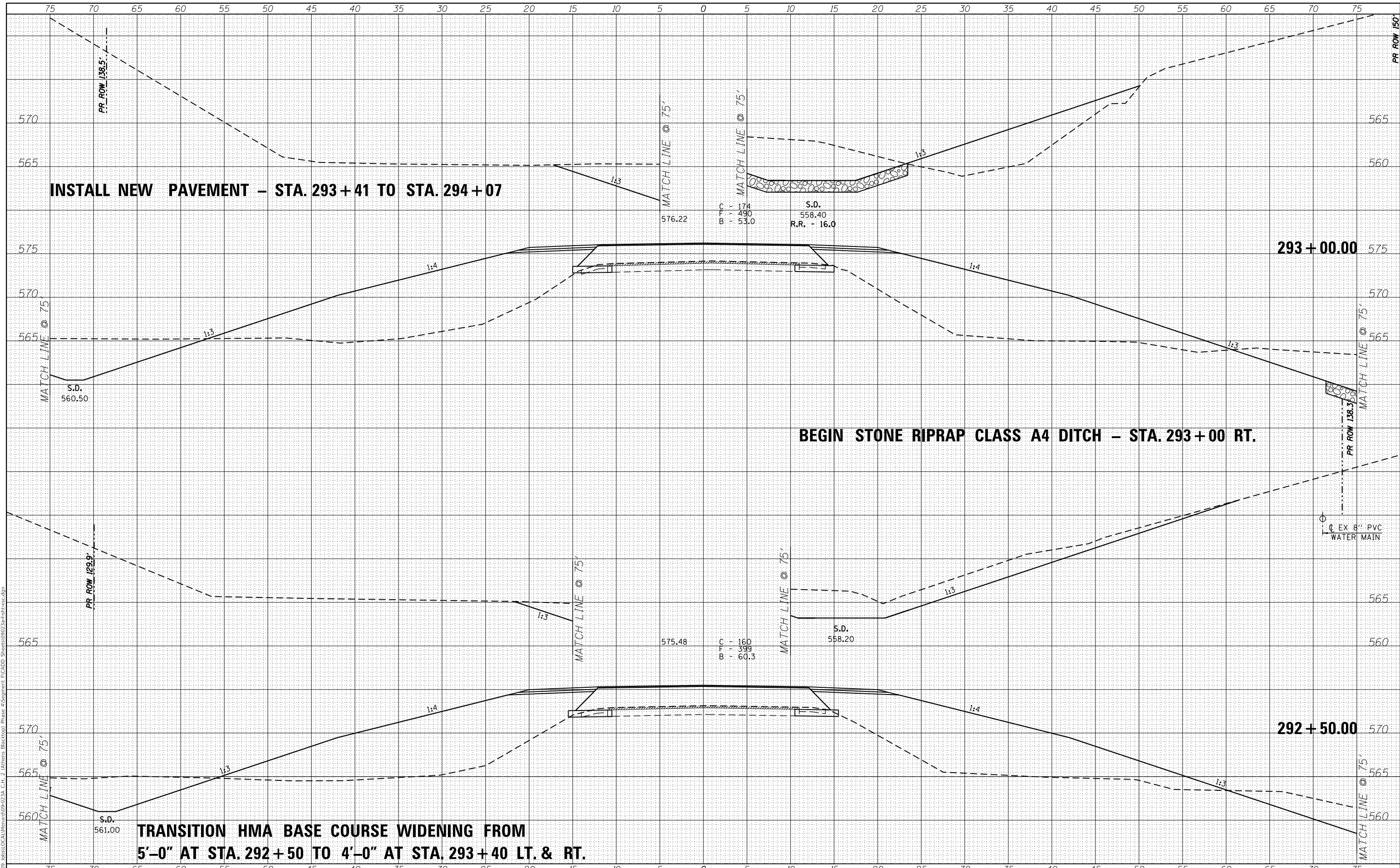
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	21-00056-09-PV	MENARD	54	33
ILLINOIS			FED. AID PROJECT	

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  
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USER NAME = ckohlrus	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 7/25/2025	DATE -	REVISED -



**VEENSTRA & KIMM INC.**  
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 IL. Design Firm No. 184-001939

**CROSS SECTIONS**

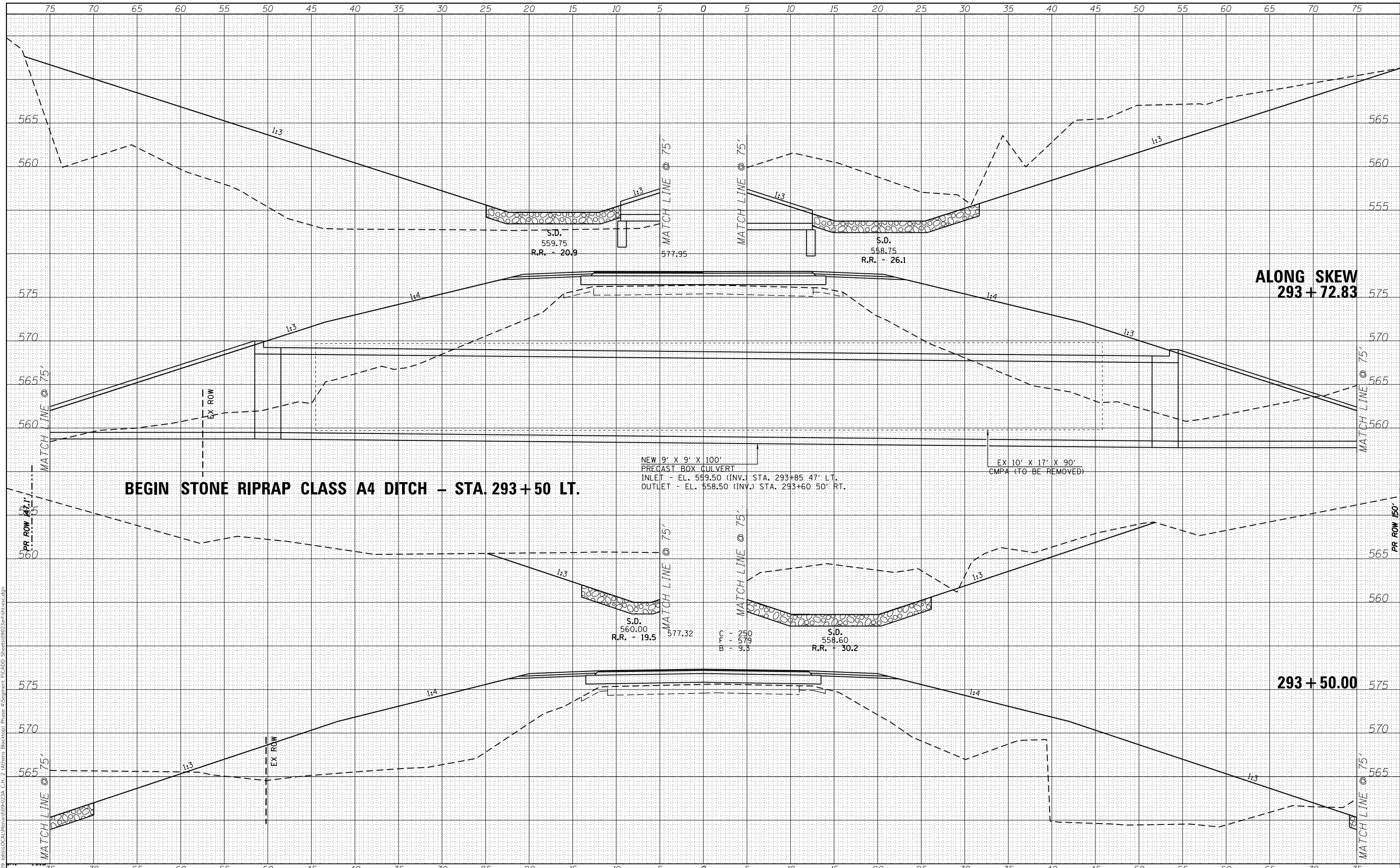
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	21-00056-09-PV	MENARD	54	34
CONTRACT NO. 93843			ILLINOIS FED. AID PROJECT	

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

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

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**BEGIN STONE RIPRAP CLASS A4 DITCH - STA. 293+50 LT.**

**ALONG SKEW  
293+72.83**

**293+50.00**

USER NAME = ckohrus	DESIGNED -	REVISD -
	DRAWN -	REVISD -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISD -
PLOT DATE = 7/25/2025	DATE -	REVISD -



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 IL. Design Firm No. 184-001939

**CROSS SECTIONS**

SCALE: 1" = 5'    SHEET NO. 13 OF 32 SHEETS    STA.    TO STA.

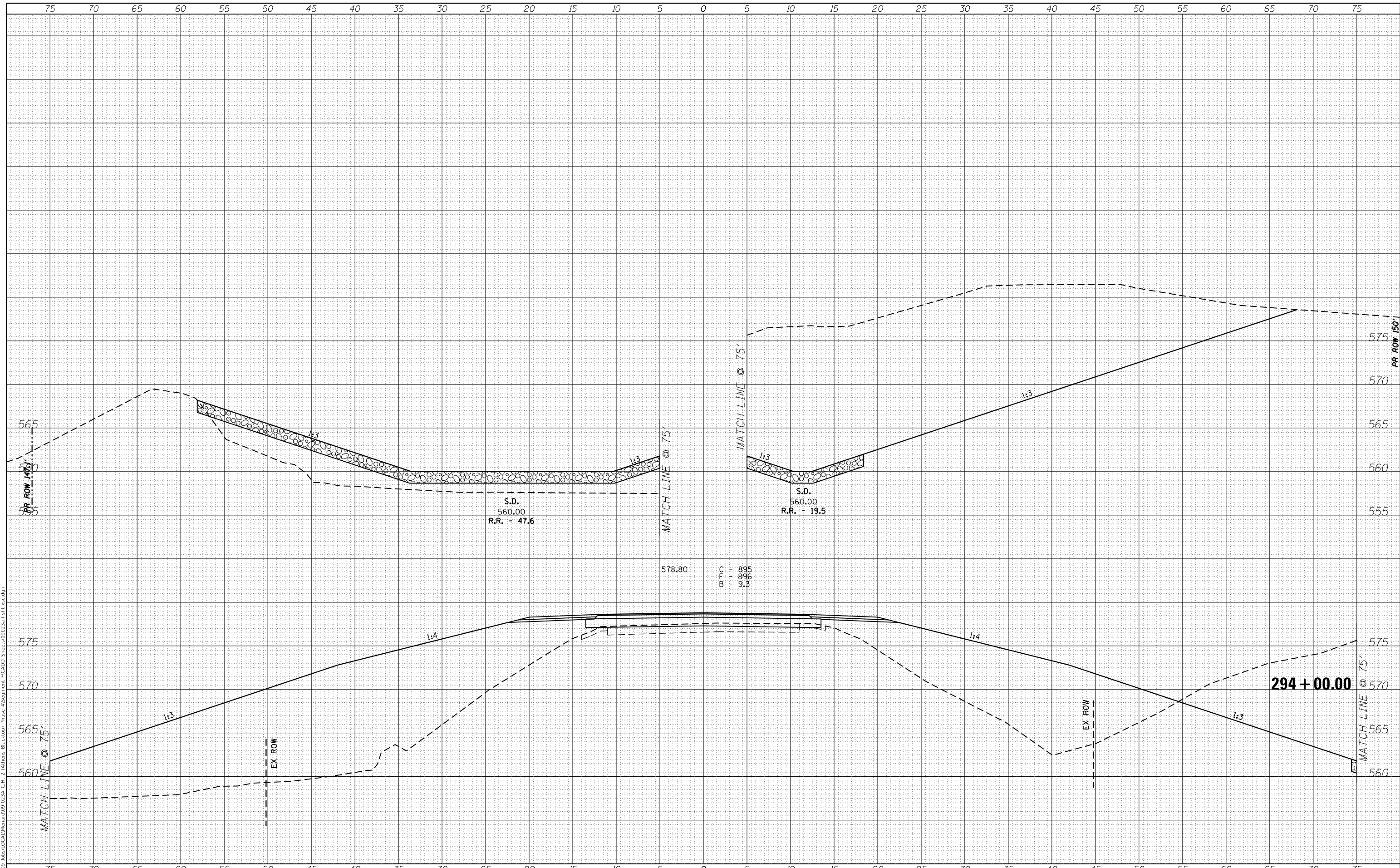
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	21-00056-09-PV	MENARD	54	35
CONTRACT NO. 93843				
ILLINOIS		FED. AID PROJECT		



DATE	
BY	
FINISHED SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

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USER NAME = ckohlrus	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 7/25/2025	DATE -	REVISED -



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 IL. Design Firm No. 184-001939

**CROSS SECTIONS**

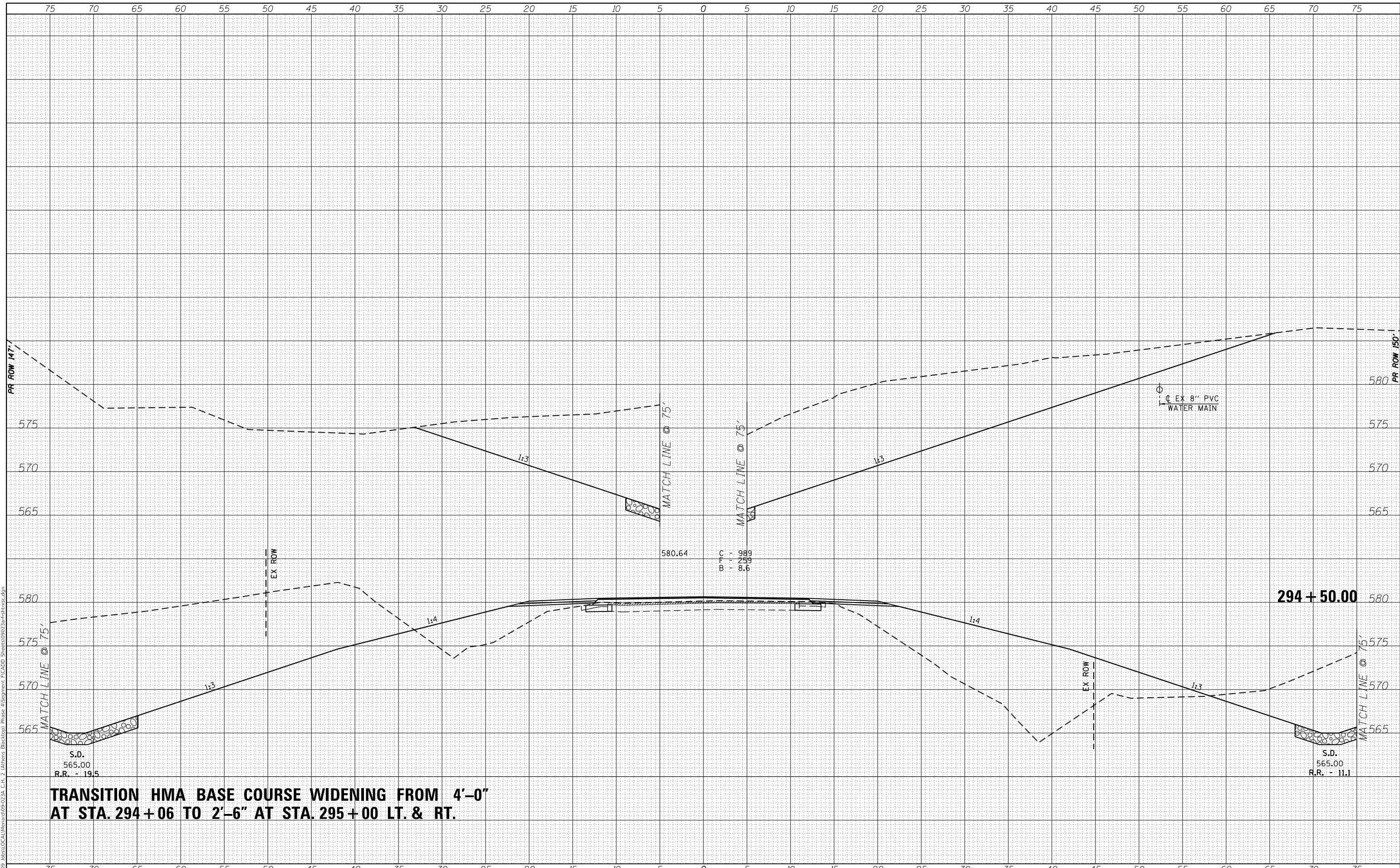
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	21-00056-09-PV	MENARD	54	36
CONTRACT NO. 93843				
ILLINOIS		FED. AID PROJECT		

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

MODEL: Definit  
 FILE NAME: Z:\2008\Jobs\LOCAL\Main\109-023A\_C-1-2\109-023A\Drawings\Blacktop\Phase 4\Assignment\FICADD\_Sheets\09023A-4-1b-xx.dgn



**TRANSITION HMA BASE COURSE WIDENING FROM 4'-0" AT STA. 294+06 TO 2'-6" AT STA. 295+00 LT. & RT.**

USER NAME = ckohlrus	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 7/25/2025	DATE -	REVISED -



**VEENSTRA & KIMM INC.**  
 Springfield, IL. Phone: (217)544-8033  
 IL. Design Firm No. 184-001939

**CROSS SECTIONS**

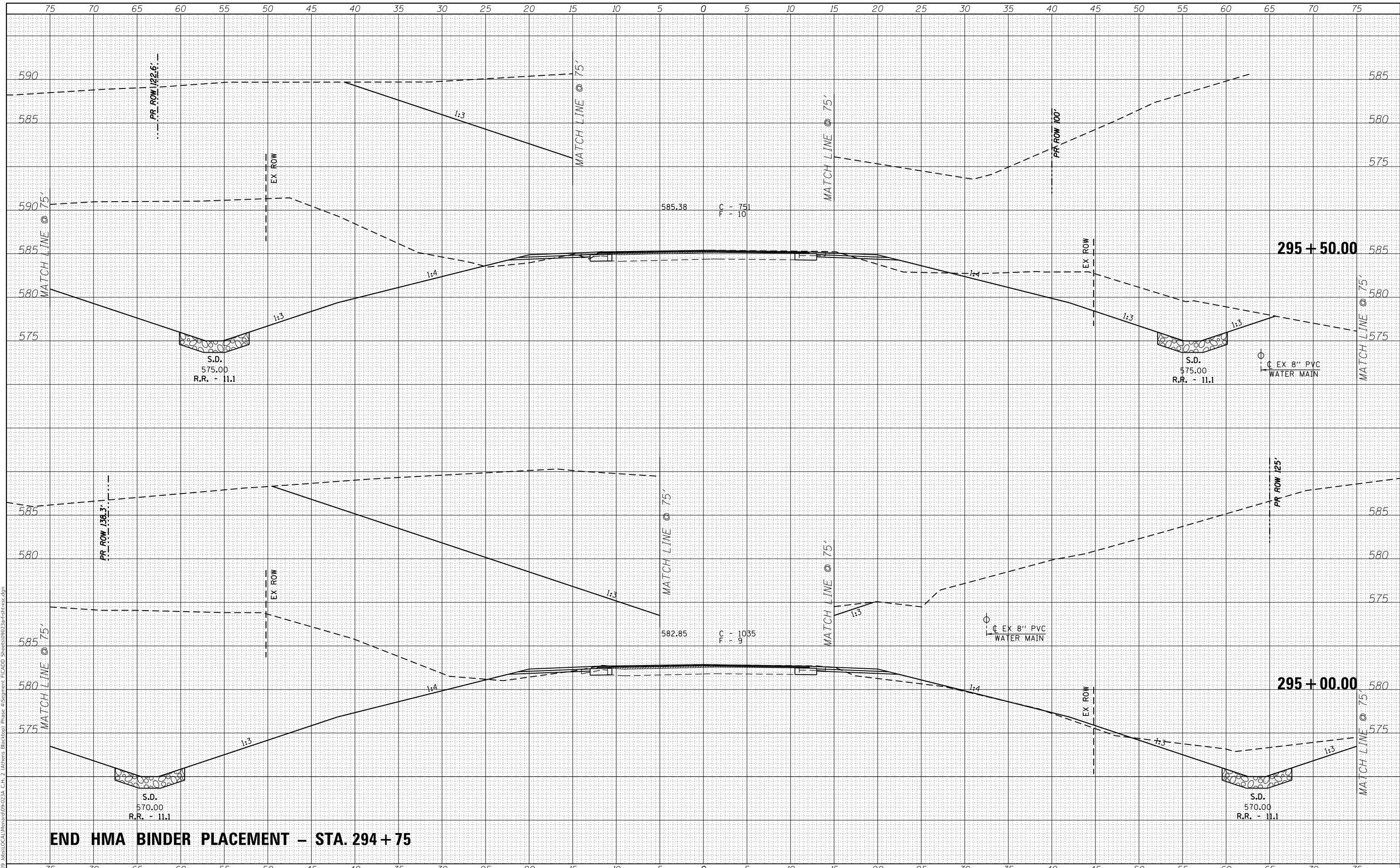
SCALE: 1" = 5' SHEET NO. 15 OF 32 SHEETS STA. 294+50.00 TO STA. 294+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	21-00056-09-PV	MENARD	54	37
CONTRACT NO. 93843				
ILLINOIS		FED. AID PROJECT		

DATE	
BY	
FINISHED SURVEY	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
AREAS CHECKED	
NO.	

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**END HMA BINDER PLACEMENT – STA. 294 + 75**

USER NAME = ckhrlus	DESIGNED -	REVISD -
	DRAWN -	REVISD -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISD -
PLOT DATE = 7/25/2025	DATE -	REVISD -



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 IL. Design Firm No. 184-001939

**CROSS SECTIONS**

SCALE: 1" = 5'    SHEET NO. 16 OF 32 SHEETS    STA.    TO STA.

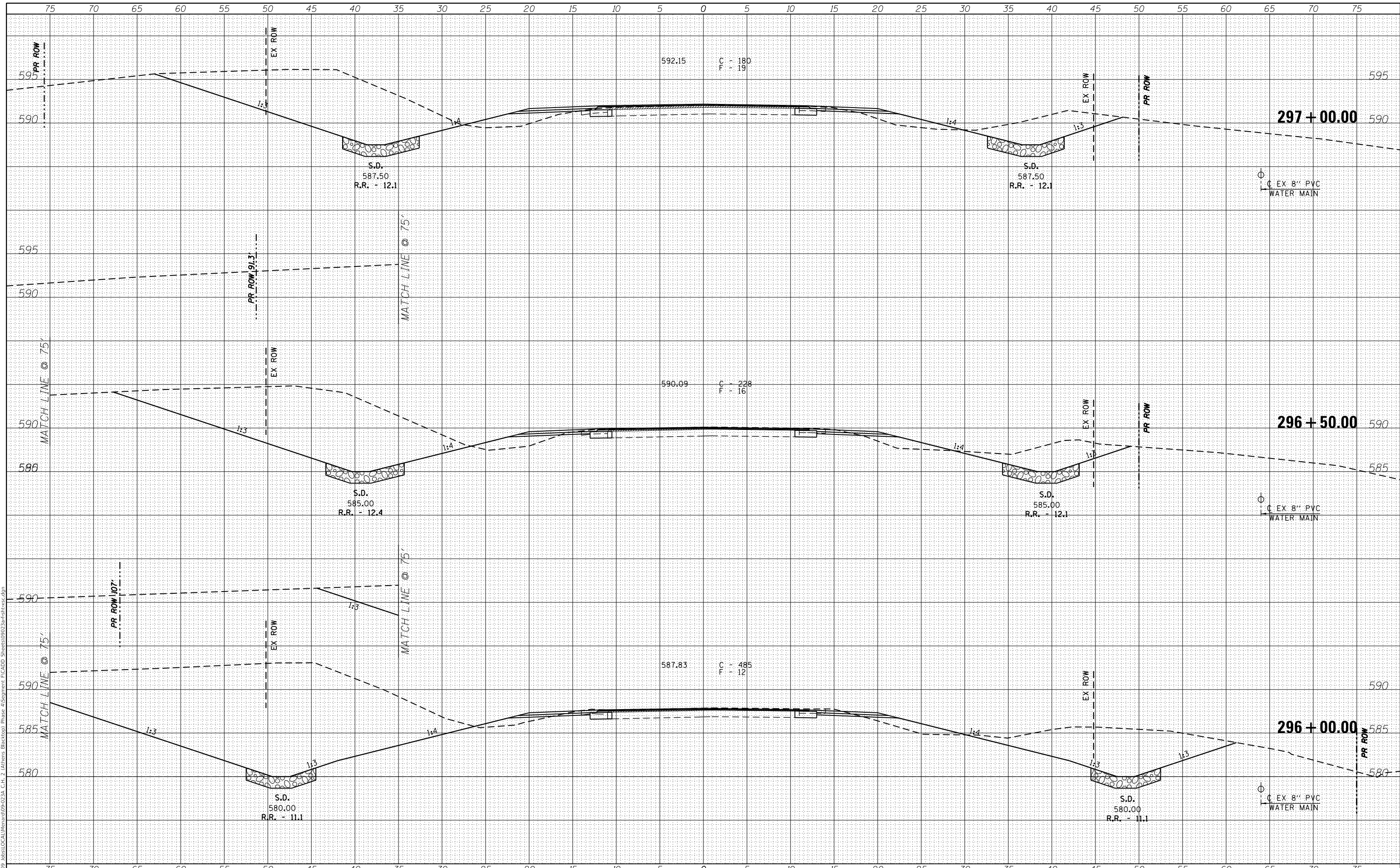
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	21-00056-09-PV	MENARD	54	38
ILLINOIS			FED. AID PROJECT	
			CONTRACT NO. 93843	



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: D:\in\air\ jobs\LOCAL\Main\09-023A - C-1-2\1\Items\Blacktop\Phase 4\Assignment\FICADD\_Sheets\09023A-4-sh-cs.dgn  
 FILE NAME: 2100056-09-023A - C-1-2\1\Items\Blacktop\Phase 4\Assignment\FICADD\_Sheets\09023A-4-sh-cs.dgn



USER NAME = ckhnlrus	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 7/25/2025	DATE -	REVISED -



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 IL. Design Firm No. 184-001939

**CROSS SECTIONS**

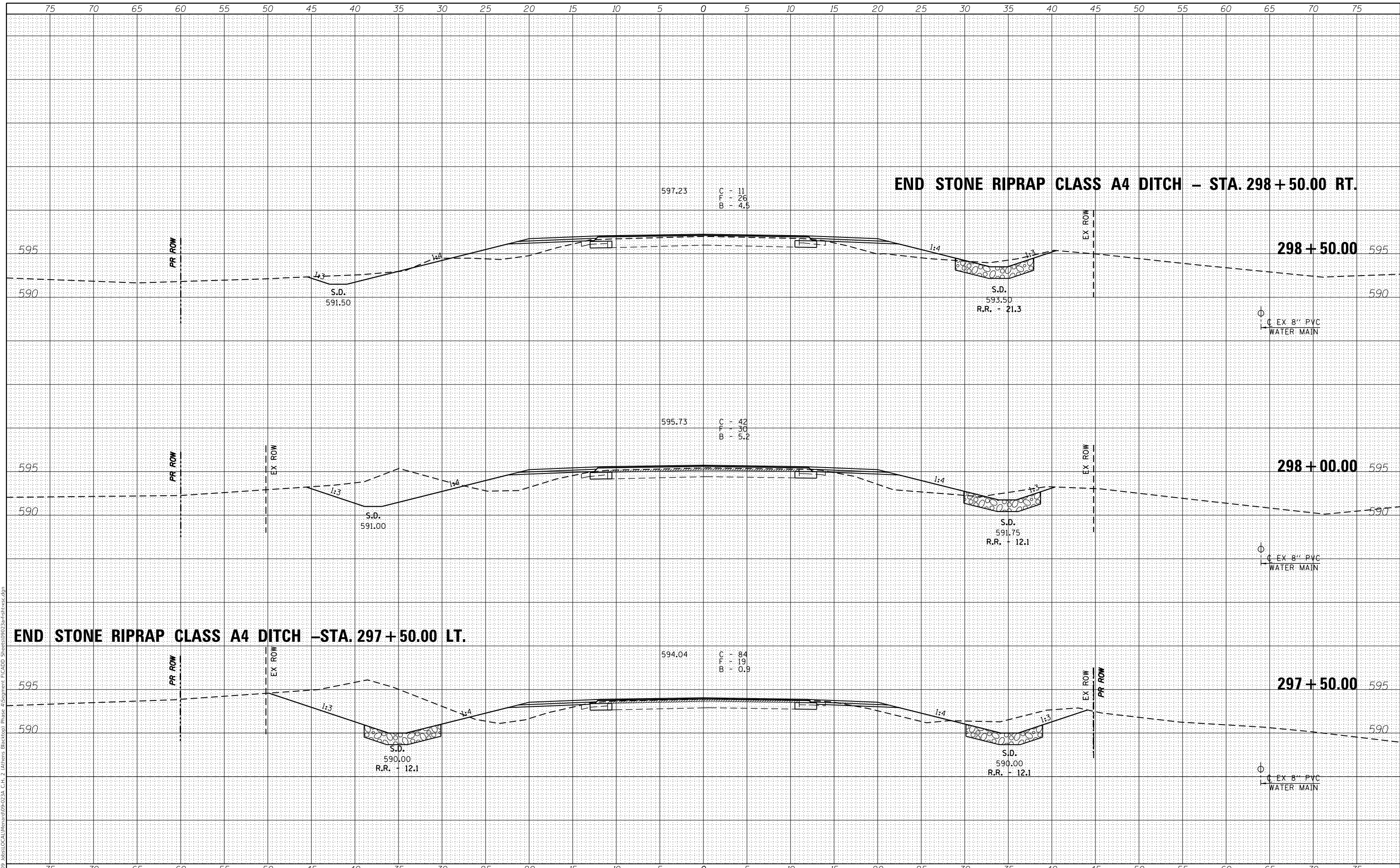
SCALE: 1" = 5'    SHEET NO. 17 OF 32 SHEETS    STA. 296+00.00 TO STA. 297+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	21-00056-09-PV	MENARD	54	39
			CONTRACT NO. 93843	
		ILLINOIS	FED. AID PROJECT	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

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**END STONE RIPRAP CLASS A4 DITCH - STA. 297 + 50.00 LT.**

**END STONE RIPRAP CLASS A4 DITCH - STA. 298 + 50.00 RT.**

USER NAME = ckohlrus	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 7/25/2025	DATE -	REVISED -



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**CROSS SECTIONS**

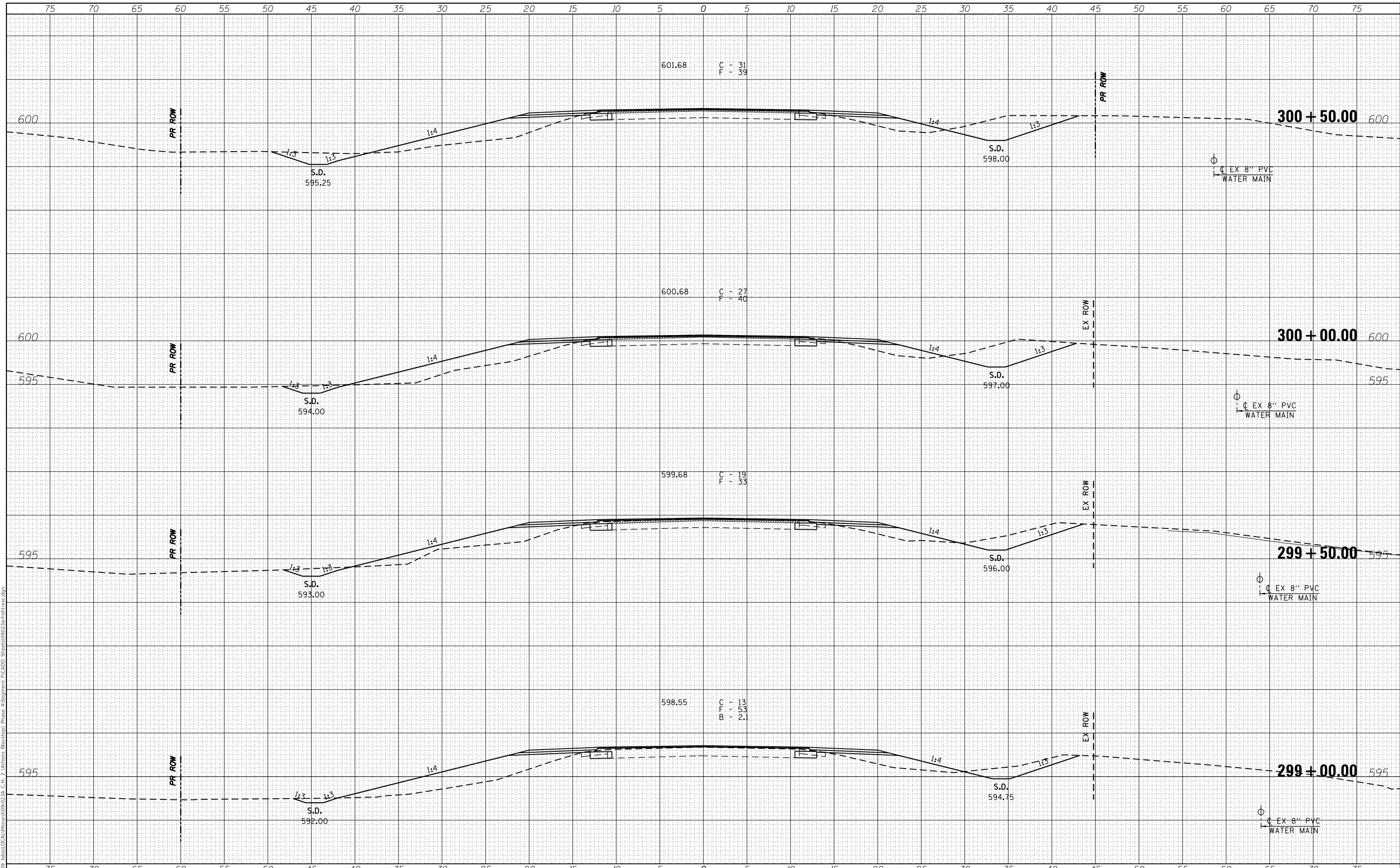
SCALE: 1" = 5'      SHEET NO. 18 OF 32 SHEETS      STA. 297+50.00 TO STA. 298+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	21-00056-09-PV	MENARD	54	40
CONTRACT NO. 93843			ILLINOIS FED. AID PROJECT	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
FINISH	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
ORIGINAL	
NO.	

MODEL: D:\proj\...  
 FILE NAME: Z:\2008...  
 USER: ckohlrus



USER NAME = ckohlrus	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 7/25/2025	DATE -	REVISED -



**VEENSTRA & KIMM INC.**  
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 IL. Design Firm No. 184-001939

**CROSS SECTIONS**

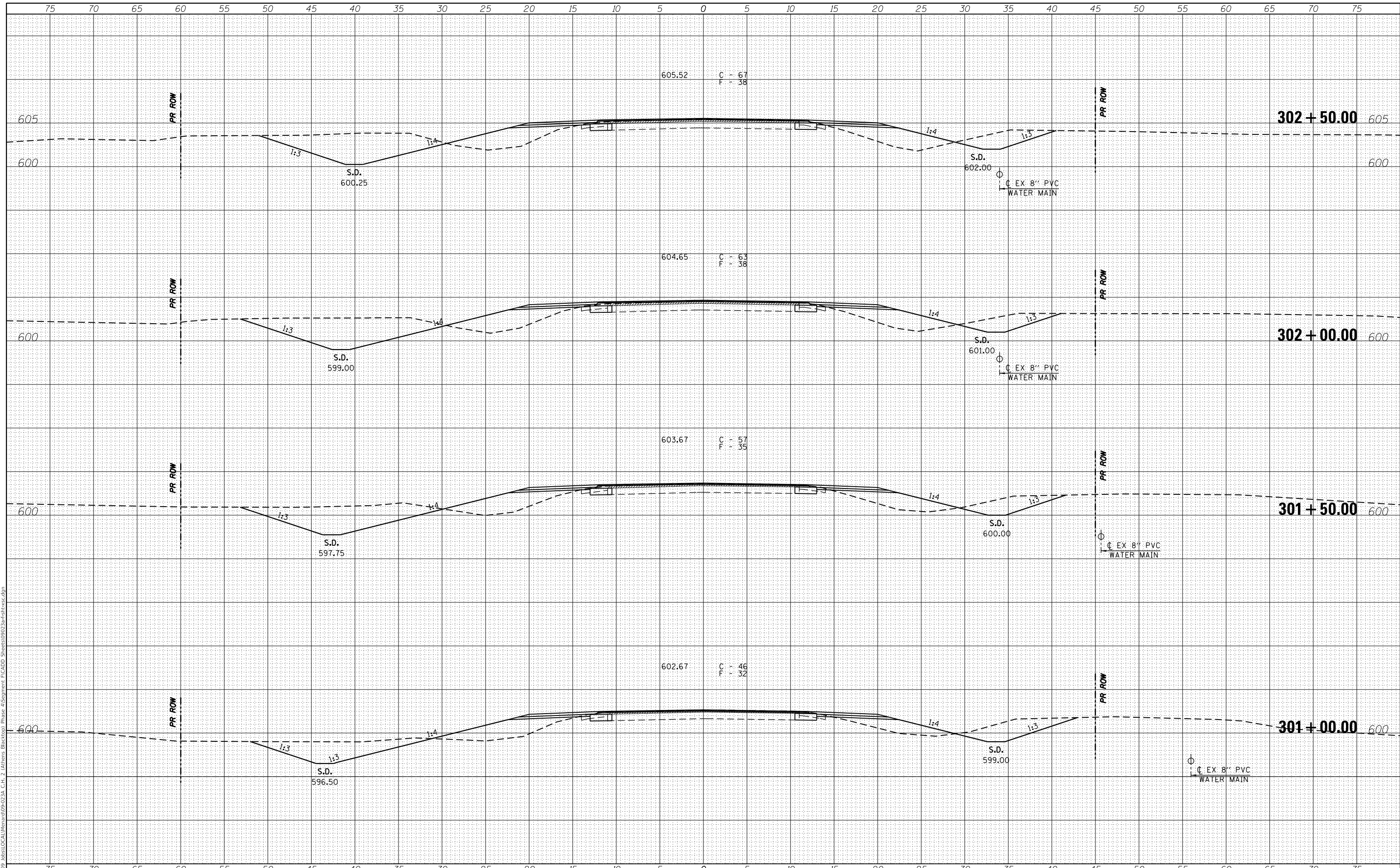
SCALE: 1" = 5'      SHEET NO. 19 OF 32 SHEETS      STA. 299+00.00 TO STA. 300+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	21-00056-09-PV	MENARD	54	41
CONTRACT NO. 93843			ILLINOIS FED. AID PROJECT	

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

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

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USER NAME = ckohlrus	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 7/25/2025	DATE -	REVISED -



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 Springfield, IL. Phone: (217)544-8033  
 IL. Design Firm No. 184-001939

**CROSS SECTIONS**

SCALE: 1" = 5'      SHEET NO. 20 OF 32 SHEETS      STA. 301+00.00 TO STA. 302+50.00

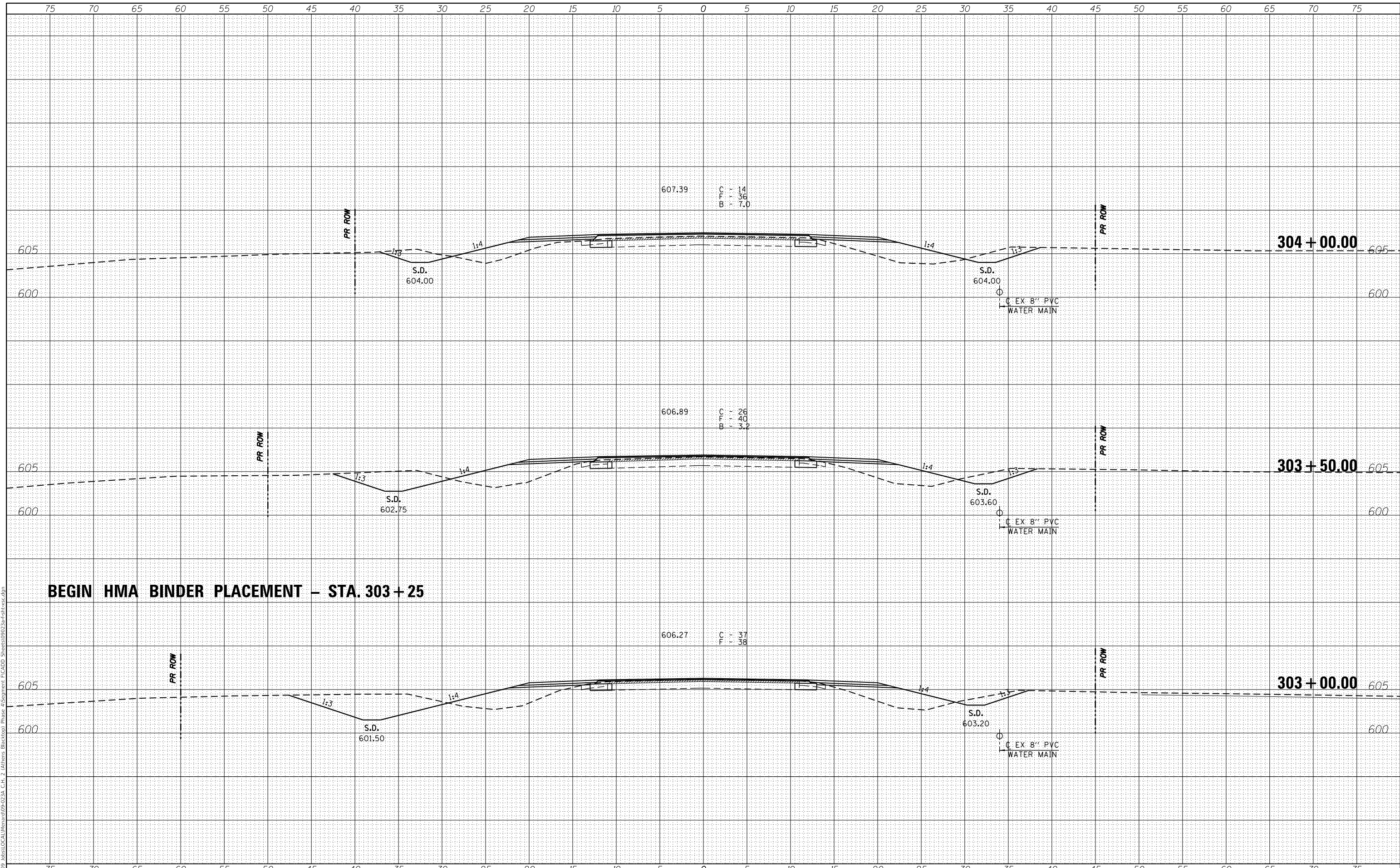
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	21-00056-09-PV	MENARD	54	42
			CONTRACT NO. 93843	
		ILLINOIS	FED. AID PROJECT	



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

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

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USER NAME = ckohlrus	DESIGNED -	REVISD -
	DRAWN -	REVISD -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISD -
PLOT DATE = 7/25/2025	DATE -	REVISD -



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 Springfield, IL. Phone: (217)544-8033  
 IL. Design Firm No. 184-001939

**CROSS SECTIONS**

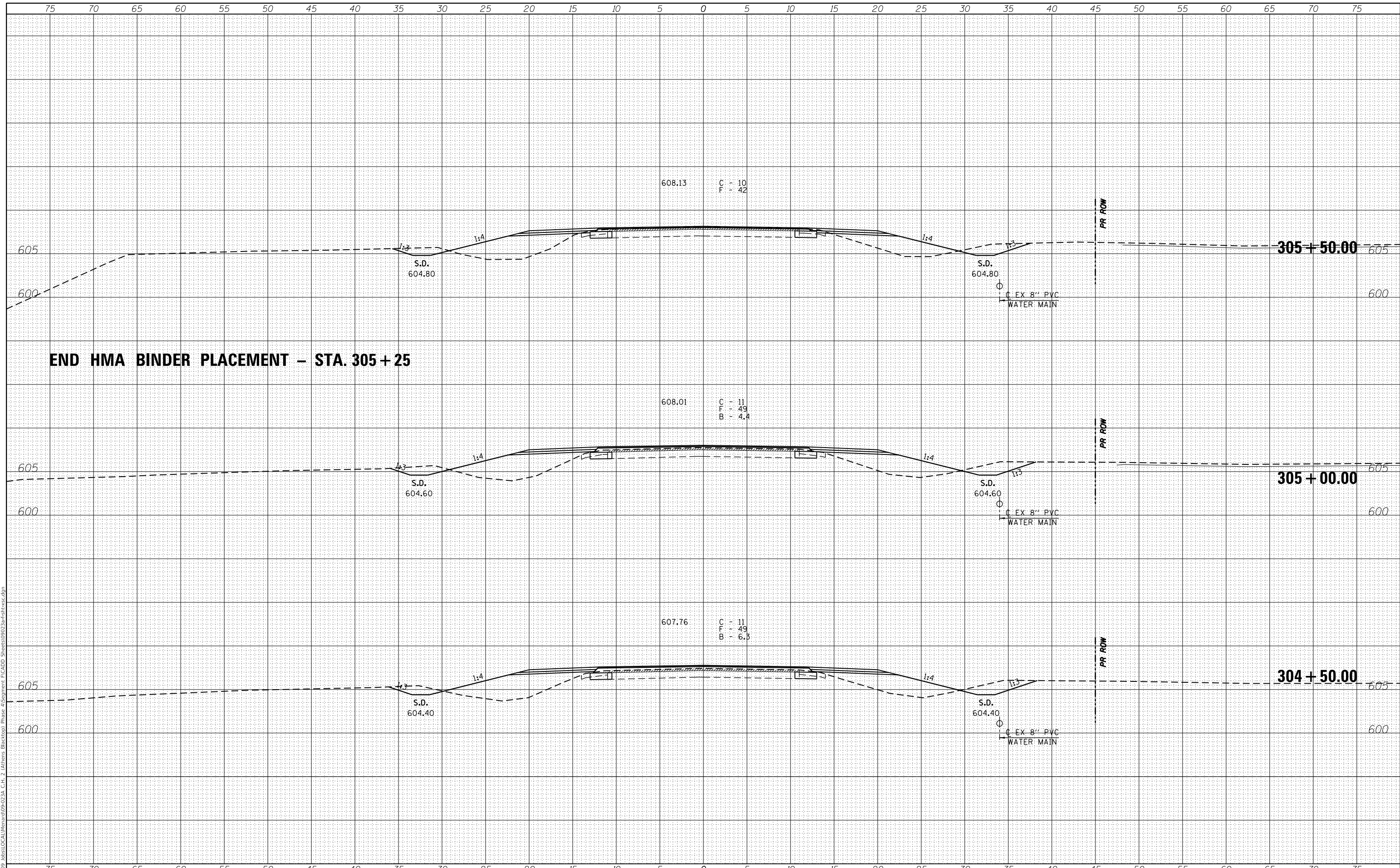
SCALE: 1" = 5'    SHEET NO. 21 OF 32 SHEETS    STA. 303+00.00 TO STA. 304+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	21-00056-09-PV	MENARD	54	43
			CONTRACT NO. 93843	
		ILLINOIS	FED. AID PROJECT	

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

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

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 FILE NAME: Z:\2008 Jobs\LOCAL\Menard\09-023A - C.H. 2 Lanes Blacktop Phase 4\Assignment FICADD Sheets\09023A-4-sh-cs.dgn



**END HMA BINDER PLACEMENT - STA. 305 + 25**

USER NAME = ckohlrus	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 7/25/2025	DATE -	REVISED -



**VEENSTRA & KIMM INC.**  
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 IL. Design Firm No. 184-001939

**CROSS SECTIONS**

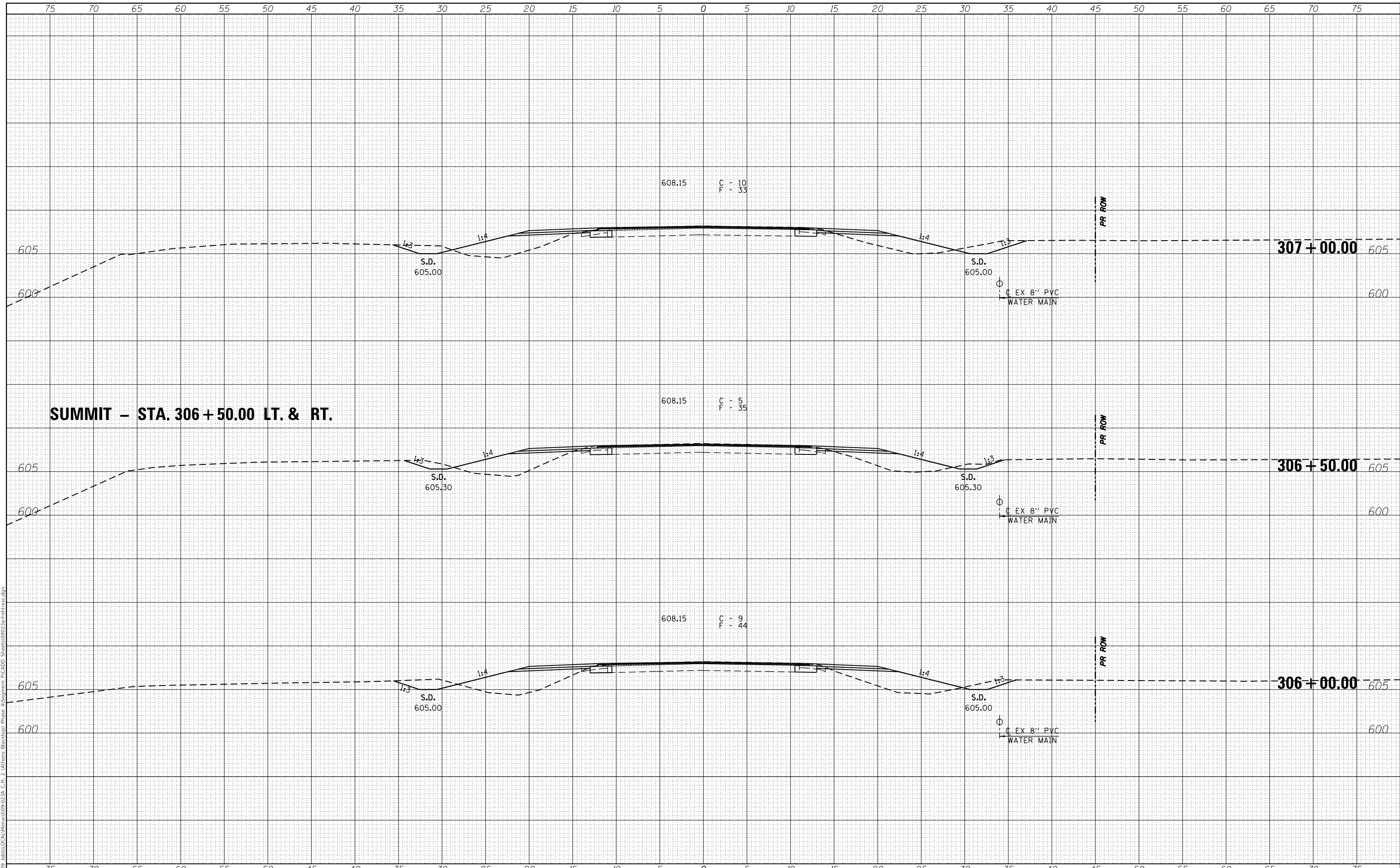
SCALE: 1" = 5'      SHEET NO. 22 OF 32 SHEETS      STA. 304+50.00 TO STA. 305+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	21-00056-09-PV	MENARD	54	44
			CONTRACT NO. 93843	
		ILLINOIS	FED. AID PROJECT	

DATE	
BY	
FINISHED SURVEY	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

MODEL: D:\injur...  
 FILE NAME: Z:\2008...  
 USER: ckhrlus



**SUMMIT - STA. 306 + 50.00 LT. & RT.**

USER NAME = ckhrlus	DESIGNED -	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 7/25/2025	CHECKED -	REVISED -
	DATE -	REVISED -



**VEENSTRA & KIMM INC.**  
 Springfield, IL. Phone: (217)544-8033  
 IL. Design Firm No. 184-001939

**CROSS SECTIONS**

SCALE: 1" = 5'    SHEET NO. 23 OF 32 SHEETS    STA. 306+00.00 TO STA. 307+00.00

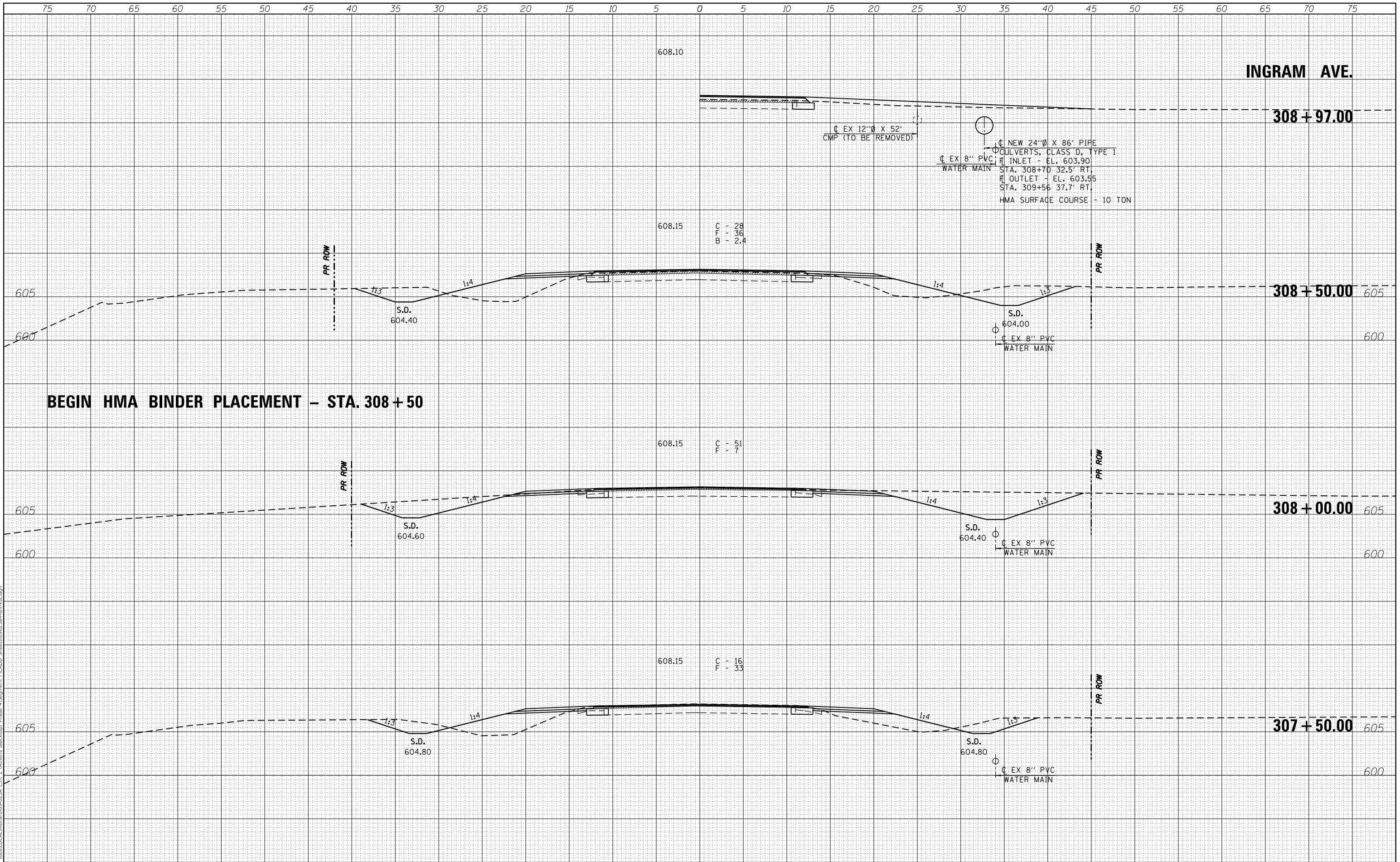
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	21-00056-09-PV	MENARD	54	45
			CONTRACT NO. 93843	
			ILLINOIS FED. AID PROJECT	



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

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

MODEL: Defi.dwg  
 FILE NAME: Z:\2008 Jobs\LOCAL\Main\09-0234 - L 1 - 2\1111111 Blacktop Phase 4\Segment F\CADD Sheets\090234-4-sh-cs.dgn



**BEGIN HMA BINDER PLACEMENT - STA. 308 + 50**

USER NAME = ckohrus	DESIGNED -	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 7/25/2025	CHECKED -	REVISED -
	DATE -	REVISED -



**VEENSTRA & KIMM INC.**  
 Springfield, IL. Phone: (217)544-8033  
 IL. Design Firm No. 184-001939

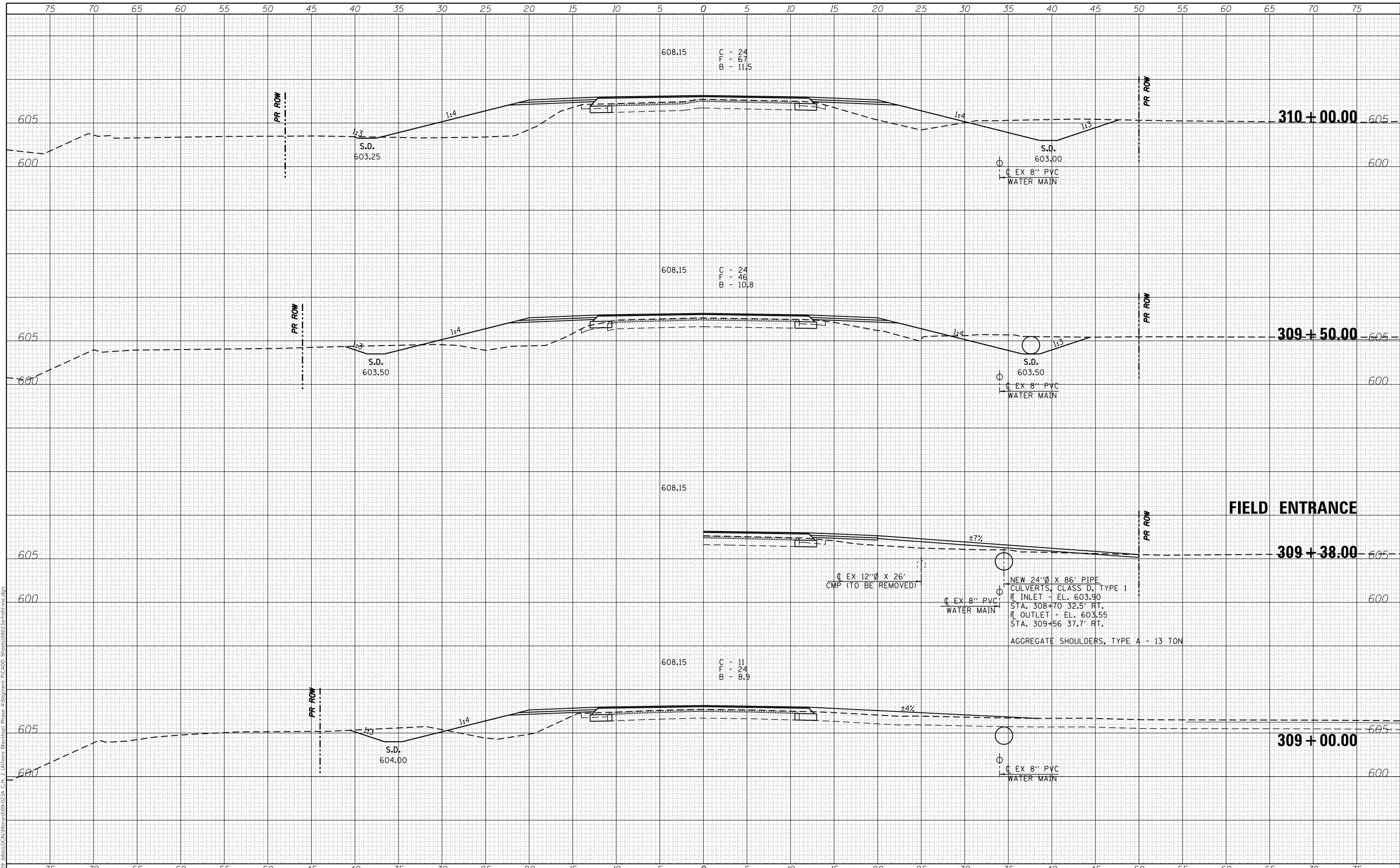
<b>CROSS SECTIONS</b>			
SCALE: 1" = 5'	SHEET NO. 24 OF 32 SHEETS	STA. 307+50.00	TO STA. 308+97.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	21-00056-09-PV	MENARD	54	46
				CONTRACT NO. 93843
		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 = ckohlrus	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 7/25/2025	DATE -	REVISED -



**VEENSTRA & KIMM INC.**  
 Springfield, IL. Phone: (217)544-8033  
 IL. Design Firm No. 184-001939

**CROSS SECTIONS**

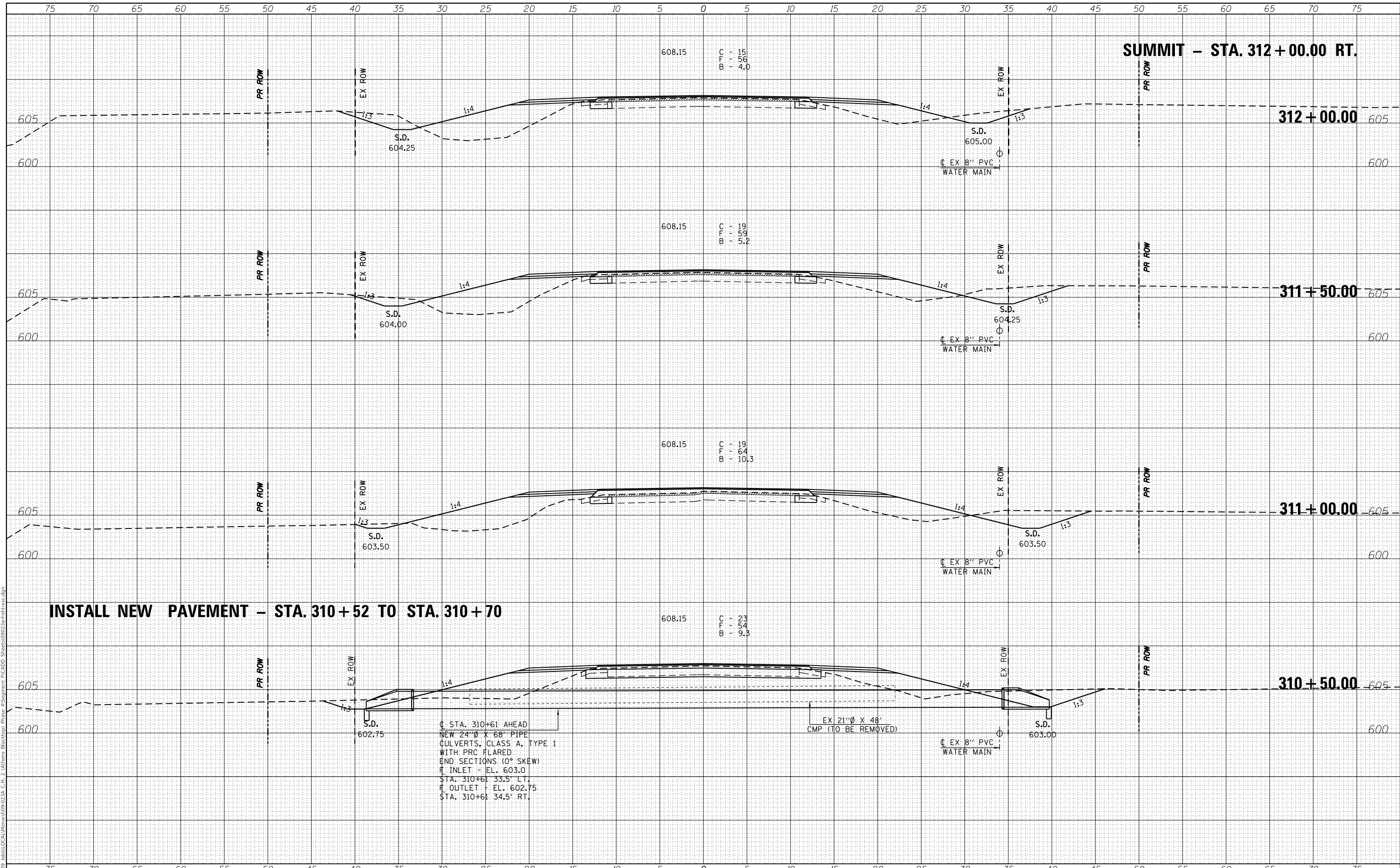
SCALE: 1" = 5'    SHEET NO. 25 OF 32 SHEETS    STA. 309+00.00 TO STA. 310+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	21-00056-09-PV	MENARD	54	47
			CONTRACT NO. 93843	
		ILLINOIS	FED. AID PROJECT	

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

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

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 Assignment: F:\CADD\_Sheets\09-0234-1-2.dwg



**SUMMIT - STA. 312 + 00.00 RT.**

**INSTALL NEW PAVEMENT - STA. 310 + 52 TO STA. 310 + 70**

C STA. 310+61 AHEAD  
 NEW 24"Ø X 68' PIPE  
 CULVERTS, CLASS A, TYPE I  
 WITH PRC FLARED  
 END SECTIONS (0° SKEW)  
 INLET - EL. 603.0  
 STA. 310+61 33.5' LT.  
 OUTLET - EL. 602.75  
 STA. 310+61 34.5' RT.

USER NAME = ckohlrus	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 7/25/2025	DATE -	REVISED -



**VEENSTRA & KIMM INC.**  
 Springfield, IL. Phone: (217)544-8033  
 IL. Design Firm No. 184-001939

**CROSS SECTIONS**

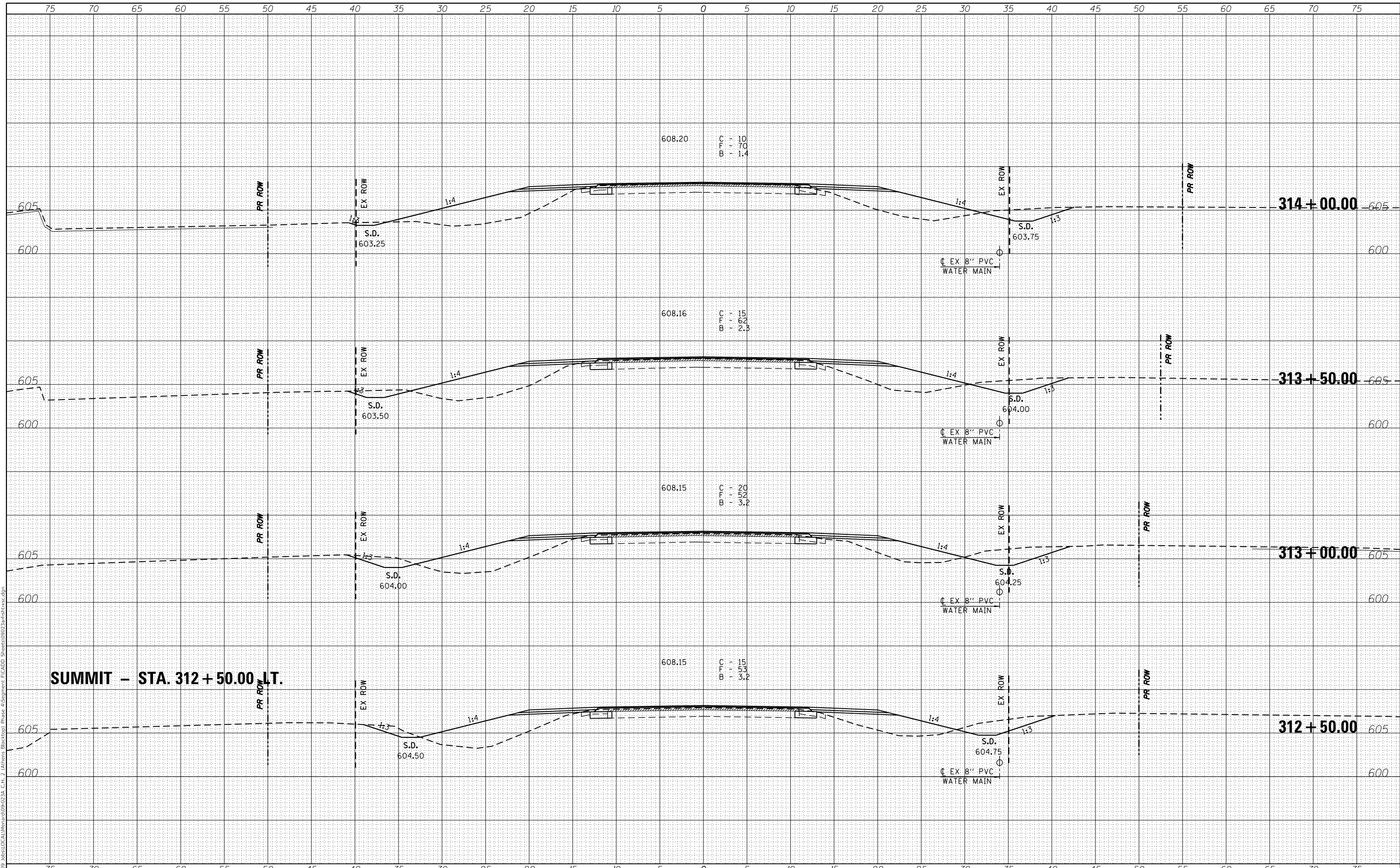
SCALE: 1" = 5'    SHEET NO. 26 OF 32 SHEETS    STA. 310+50.00 TO STA. 312+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	21-00056-09-PV	MENARD	54	48
			CONTRACT NO. 93843	
		ILLINOIS FED. AID PROJECT		

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

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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**SUMMIT - STA. 312 + 50.00 LT.**

USER NAME = ckohlrus	DESIGNED -	REVISD -
	DRAWN -	REVISD -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISD -
PLOT DATE = 7/25/2025	DATE -	REVISD -



**VEENSTRA & KIMM INC.**  
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 IL. Design Firm No. 184-001939

**CROSS SECTIONS**

SCALE: 1" = 5'    SHEET NO. 27 OF 32 SHEETS    STA. 312+50.00 TO STA. 314+00.00

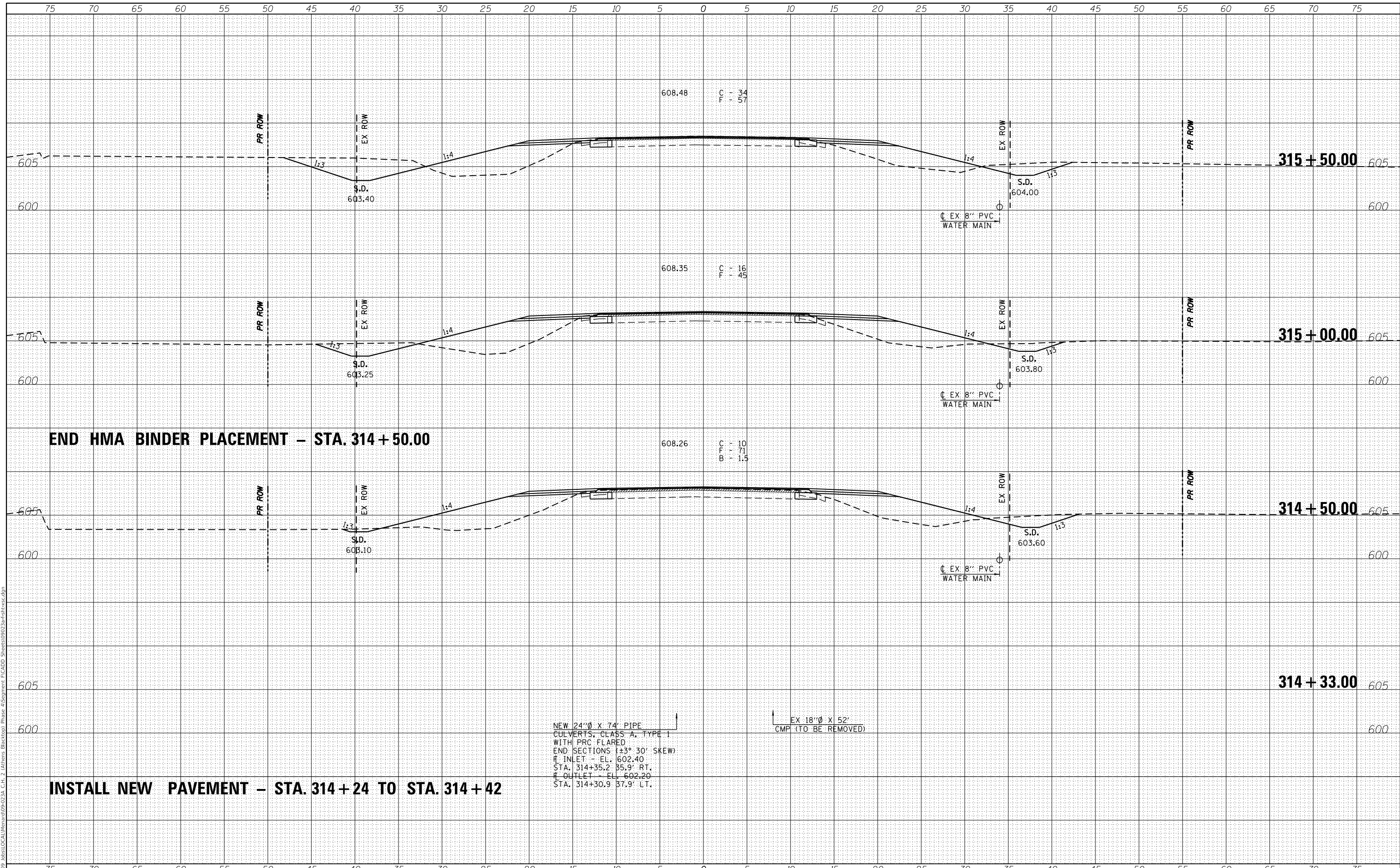
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	21-00056-09-PV	MENARD	54	49
			CONTRACT NO. 93843	
		ILLINOIS	FED. AID PROJECT	



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

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 USER: ckhrlus  
 PROJECT: 21-00056-09-PV  
 SHEET: 28 OF 32  
 DATE: 7/25/2025



**END HMA BINDER PLACEMENT – STA. 314 + 50.00**

**INSTALL NEW PAVEMENT – STA. 314 + 24 TO STA. 314 + 42**

NEW 24'Ø X 74' PIPE  
 CULVERTS, CLASS A, TYPE I  
 WITH PRC FLARED  
 END SECTIONS (±3° 30' SKEW)  
 # INLET - EL. 602.40  
 STA. 314+35.2 35.9' RT.  
 # OUTLET - EL. 602.20  
 STA. 314+30.9 37.9' LT.

EX 18'Ø X 52'  
 CMP (TO BE REMOVED)

USER NAME = ckhrlus	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 7/25/2025	DATE -	REVISED -



**VEENSTRA & KIMM INC.**  
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 IL. Design Firm No. 184-001939

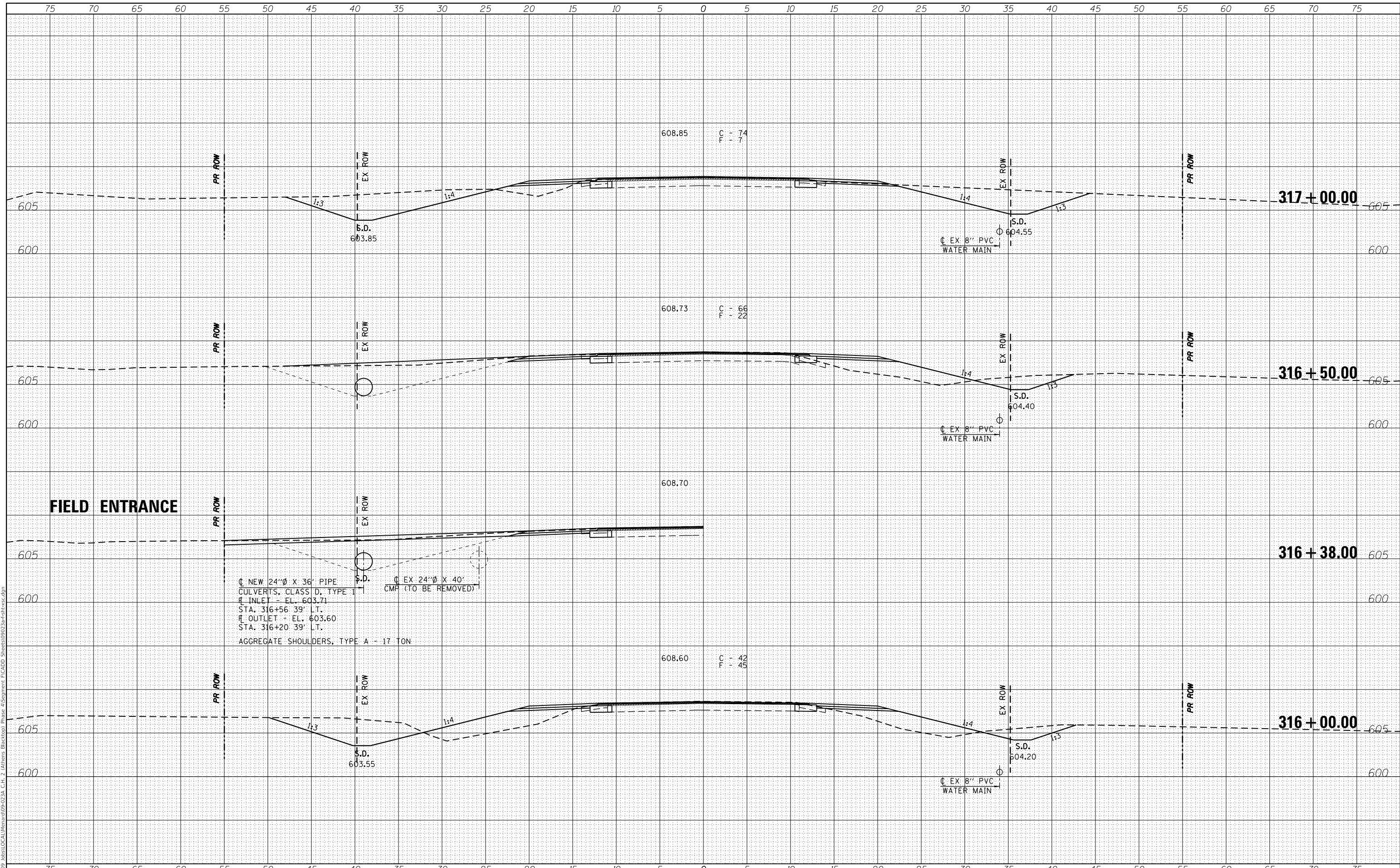
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SCALE: 1" = 5'	SHEET NO. 28 OF 32 SHEETS
STA. 314+33.00	TO STA. 315+50.00

F.A.S. RTE. 574	SECTION 21-00056-09-PV	COUNTY MENARD	TOTAL SHEETS 54	SHEET NO. 50
ILLINOIS			FED. AID PROJECT	
CONTRACT NO. 93843				

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
NOTE BOOK	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
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DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
NOTE BOOK	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
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USER NAME = ckohrus	DESIGNED -	REVISD -
	DRAWN -	REVISD -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISD -
PLOT DATE = 7/25/2025	DATE -	REVISD -



**VEENSTRA & KIMM INC.**  
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 IL. Design Firm No. 184-001939

**CROSS SECTIONS**

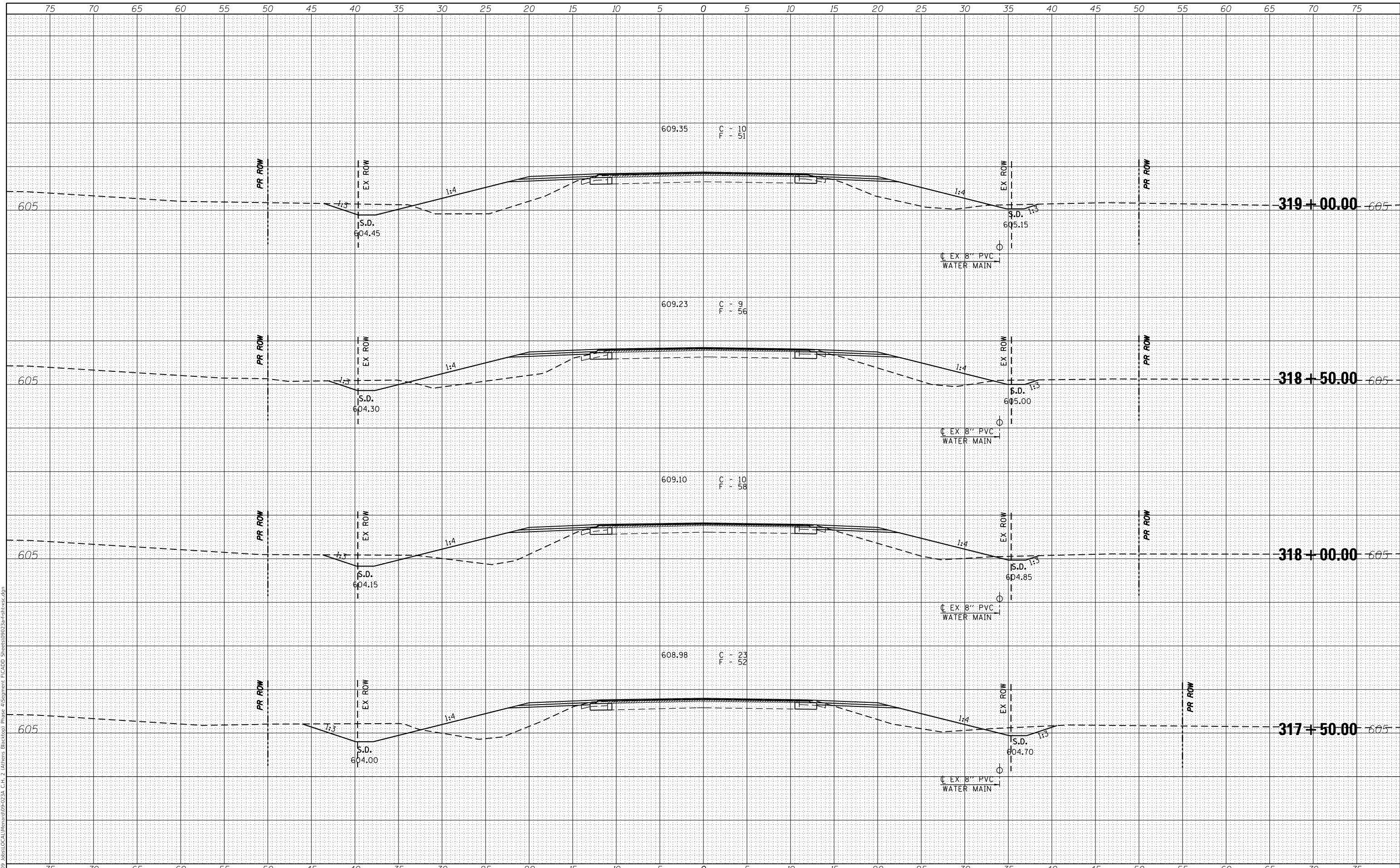
SCALE: 1" = 5'      SHEET NO. 29 OF 32 SHEETS      STA. 316+00.00 TO STA. 317+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	21-00056-09-PV	MENARD	54	51
CONTRACT NO. 93843				
ILLINOIS		FED. AID PROJECT		

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

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
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MODEL: Definit  
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USER NAME = ckohlrus	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 7/25/2025	DATE -	REVISED -



**VEENSTRA & KIMM INC.**  
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 IL. Design Firm No. 184-001939

**CROSS SECTIONS**

SCALE: 1" = 5'    SHEET NO. 30 OF 32 SHEETS    STA. 317+50.00 TO STA. 319+00.00

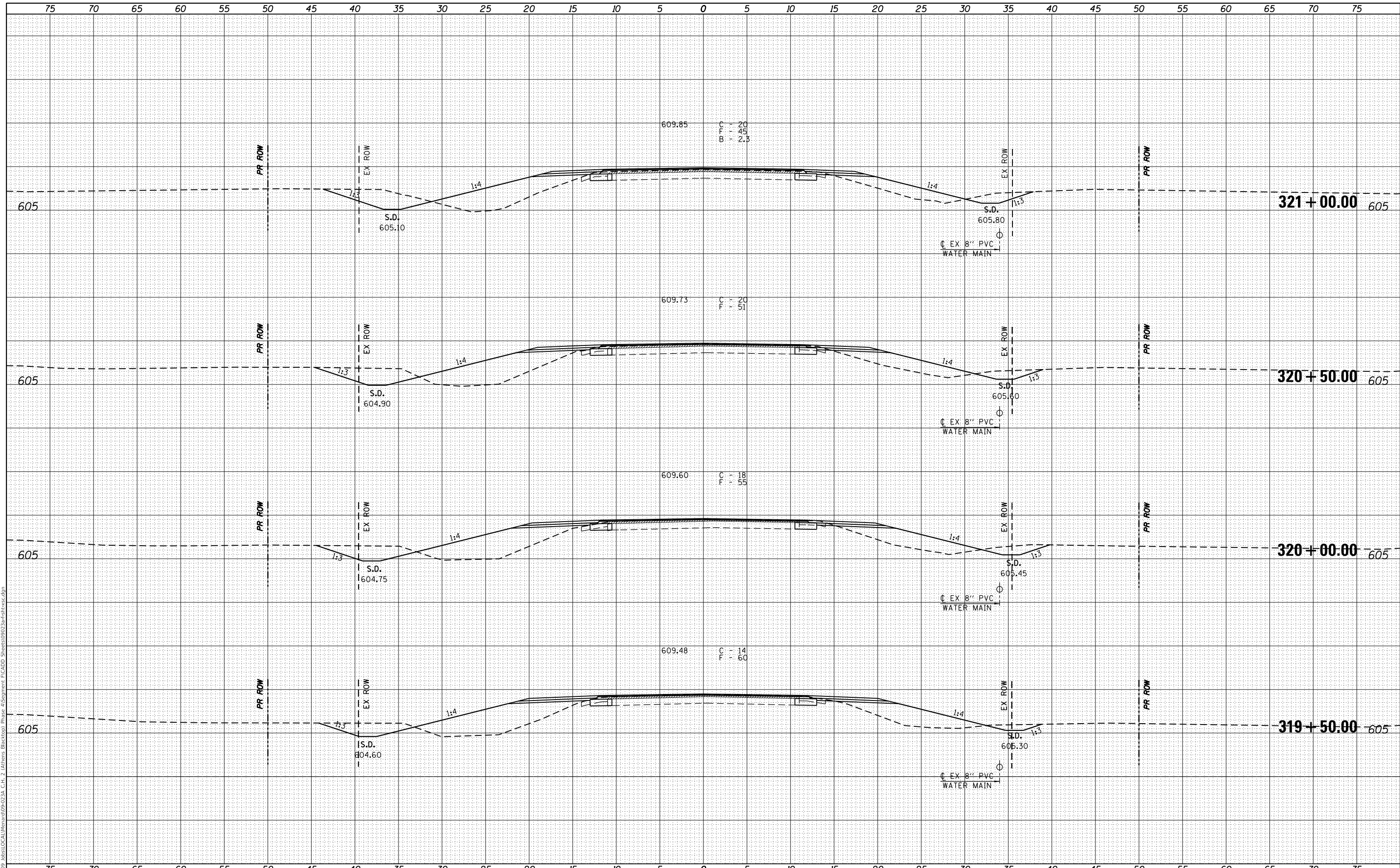
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	21-00056-09-PV	MENARD	54	52
			CONTRACT NO. 93843	
		ILLINOIS	FED. AID PROJECT	



DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

MODEL: D:\proj\...  
 FILE NAME: Z:\2009...  
 USER: ckohlrus



USER NAME = ckohlrus	DESIGNED -	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 7/25/2025	CHECKED -	REVISED -
	DATE -	REVISED -



**VEENSTRA & KIMM INC.**  
 Springfield, IL. Phone: (217)544-8033  
 IL. Design Firm No. 184-001939

**CROSS SECTIONS**

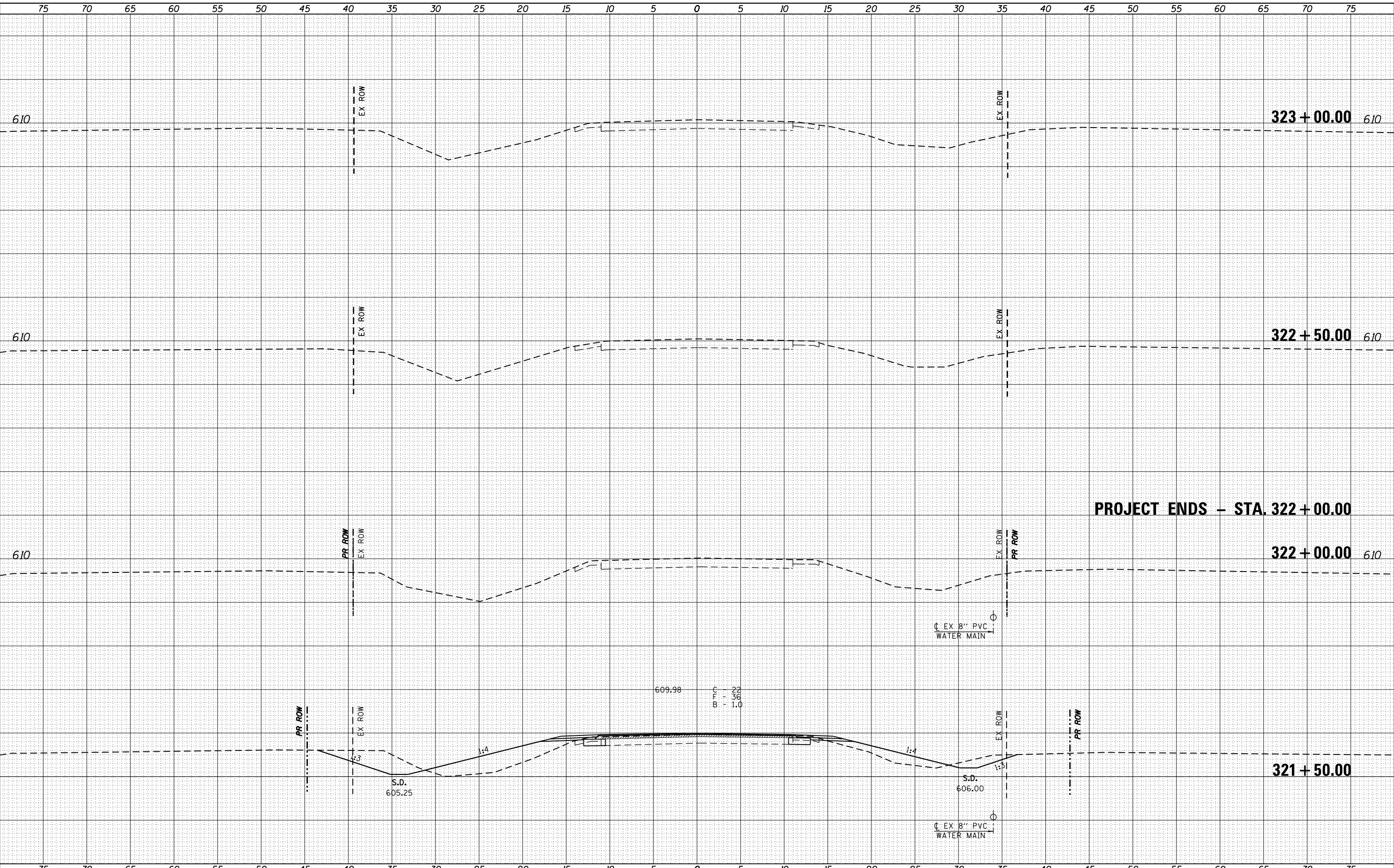
SCALE: 1" = 5'    SHEET NO. 31 OF 32 SHEETS    STA. 319+50.00 TO STA. 321+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	21-00056-09-PV	MENARD	54	53
			CONTRACT NO. 93843	
		ILLINOIS FED. AID PROJECT		

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

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

MODEL: D:\proj\...  
 FILE NAME: Z:\2008...  
 PROJECT: ...



**PROJECT ENDS - STA. 322 + 00.00**

USER NAME = ckohlrus	DESIGNED -	REVISD -
PLOT SCALE = 10.0000' / in.	DRAWN -	REVISD -
PLOT DATE = 7/25/2025	CHECKED -	REVISD -
	DATE -	REVISD -



**VEENSTRA & KIMM INC.**  
 Springfield, IL. Phone: (217)544-8033  
 IL. Design Firm No. 184-001939

<b>CROSS SECTIONS</b>		
SCALE: 1" = 5'	SHEET NO. 32 OF 32 SHEETS	STA. 321+50.00 TO STA. 323+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
574	21-00056-09-PV	MENARD	54	54
			CONTRACT NO. 93843	
		ILLINOIS	FED. AID PROJECT	