

06-12-2026 LETTING ITEM 098

INDEX OF SHEETS

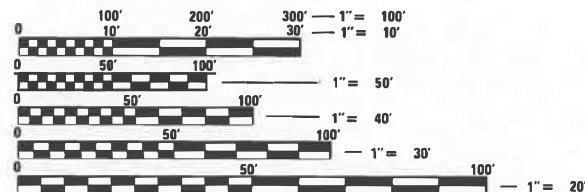
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- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
- 482011-03 HMA SHOULDER STRIPS WITH RESURFACING OR WIDENING & RESURFACING PROJECTS
- 630001-13 STEEL PLATE BEAM GUARDRAIL
- 630301-09 SHOULDER WIDENING FOR TYPE 1 GUARDRAIL TERMINALS
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- 701011-04 OFF-RD MOVING OPERATIONS, 2L 2W, DAY ONLY
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- 701311-03 LANE CLOSURE, 2L 2W, MOVING OPERATIONS DAY ONLY
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- 725001-01 OBJECT AND TERMINAL MARKERS
- 780001-05 TYPICAL PAVEMENT MARKINGS
- 781001-04 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
- 782006-01 GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

TRAFFIC DATA

US 24: OTHER PRINCIPAL ARTERIAL
 ADT: 2150 (2023)
 SU: 110 (5.1%)
 MU: 140 (6.5%)



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 EXCAVATORS
 1-800-892-0123
 OR 811

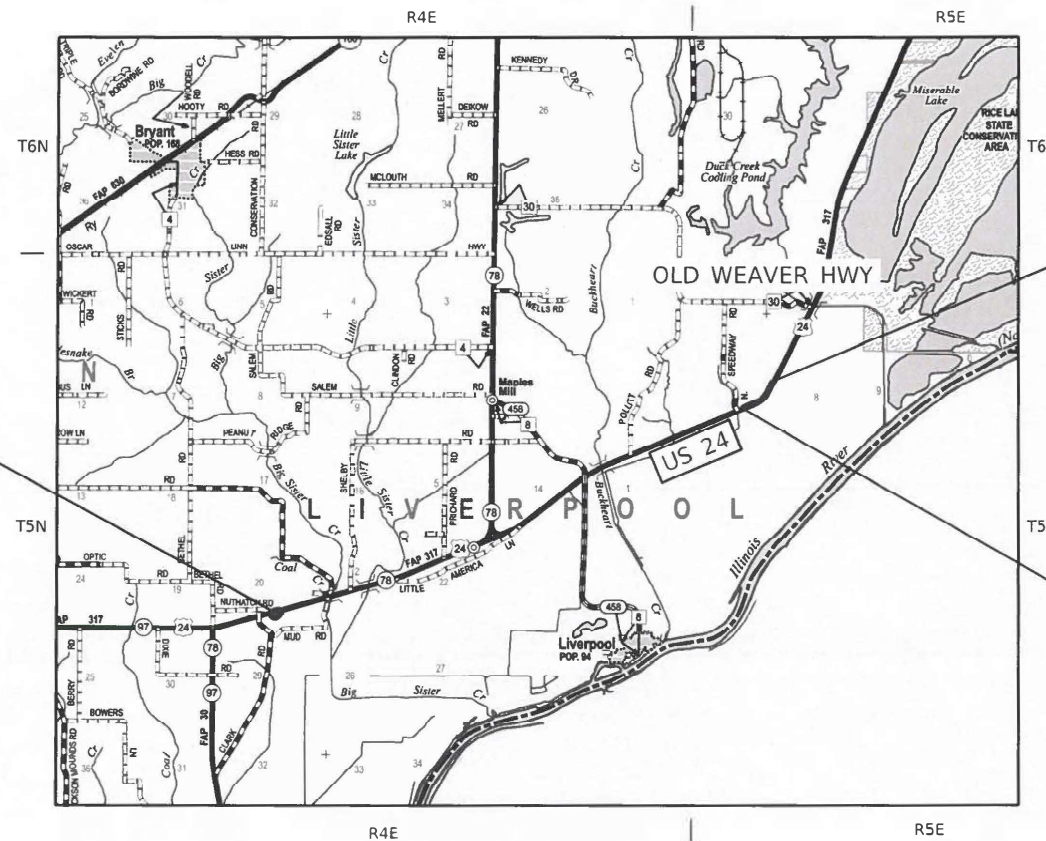
PROJECT ENGINEER: BEN TELLEFSON
PROJECT MANAGER: WILL MOSER
CONTRACT NO. 68K90
CATALOG NO. 036731-00D

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

**PROPOSED
 HIGHWAY PLANS**

FAP ROUTE 317/317A (US 24/IL 78)
 SECTION 137PP-1, RA;102PP-1
**US 24 SUPERELEVATION CORRECTION AND
 REST AREA WEST OF LITTLE AMERICA LN RESURFACING**
 FULTON COUNTY

C-94-006-26



LOCATION MAP
 1" = 2.0 MILES

US 24 SUPERELEVATION CORRECTION
 GROSS LENGTH = 1150.0 FT. = 0.218 MILE
 NET LENGTH = 1150.0 FT. = 0.218 MILE
US 24 REST AREA RESURFACING
 GROSS LENGTH = 971.0 FT. = 0.184 MILE
 NET LENGTH = 971.0 FT. = 0.184 MILE
TOTAL
 GROSS LENGTH = 2121.0 FT. = 0.402 MILE
 NET LENGTH = 2121.0 FT. = 0.402 MILE



Matthew B. Foster 3/20/2026
MATTHEW B. FOSTER, P.E. EXPIRATION DATE
 LICENSE NO. 062-058311 11-30-2027

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	137PP-1, RA;102PP-1	FULTON	32	1
		ILLINOIS	CONTRACT NO. 68K90	

D-94-005-26



PLANS PREPARED BY:

 4940 Old Collinsville Road
 Swansea, Illinois 62226
 Tel: 618.624.4488
 www.twm-inc.com
 Illinois Professional Design Firm
 No. 184-001220
 License Expires: 4/30/2027
ILLINOIS - MISSOURI - TENNESSEE

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 SUBMITTED *March 24 20 26*
Kensil A. Darnell
 REGIONAL ENGINEER
 May 8 20 26
Scott A. [Signature]
 ENGINEER OF DESIGN AND ENVIRONMENT
 May 8 20 26
[Signature]
 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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 OF THE STATE OF ILLINOIS**

COMMITMENTS

COMMITMENTS ARE NOT TO BE ALTERED WITHOUT THE WRITTEN APPROVAL OF ALL PARTIES TO WHICH THE COMMITMENT WAS MADE.

NO COMMITMENTS HAVE BEEN MADE ON THIS PROJECT.

EARTH EXCAVATION - INCIDENTAL TO BASE COURSE ITEMS

EARTH EXCAVATION AND BACKFILL FOR PROPOSED AGGREGATE AND HMA BASE COURSES SHALL BE INCLUDED IN THE UNIT COST OF THE VARIOUS BASE COURSE ITEMS.

ENVIRONMENTAL REVIEWS

PRIOR TO THE USE OF ANY PROPOSED BORROW AREAS, USE AREAS (TEMPORARY ACCESS ROADS, DETOURS, RUN-AROUNDS, 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.

THE REQUIRED ENVIRONMENTAL RESOURCE DOCUMENTATION SHALL INCLUDE THE FOLLOWING:

- BDE FORM 2289 (BORROW SITE REVIEW)
- BDE FORM 2290 (WASTE/USE AREA REVIEW)
- A LOCATION MAP SHOWING THE SIZE LIMITS AND LOCATION OF THE USE AREA
- COLOR PHOTOGRAPHS DEPICTING THE USE AREA
- BORROW AREA ENTRY AGREEMENT FORM - D4 PI0101

PRIOR TO ANY WASTE MATERIALS BEING REMOVED FROM THE CONSTRUCTION SITE THE REQUIRED ENVIRONMENTAL RESOURCE SURVEYS SHALL BE OBTAINED AND FILED BY THE CONTRACTOR. EXCESS WASTE PRODUCTS REMOVED FROM THE CONSTRUCTION SITE SHALL BE DISPOSED OF AS REQUIRED IN SECTION 202.03 OF THE STANDARD SPECIFICATIONS.

ANY PROTRUDING METAL BARS SHALL BE REMOVED PRIOR TO THE DISPOSAL OF BROKEN CONCRETE AT APPROVED DISPOSAL SITES.

PLEASE NOTE THAT A MINIMUM OF FOUR WEEKS SHALL BE ALLOWED FOR THE DISTRICT TO OBTAIN THE REQUIRED WASTE SITE ENVIRONMENTAL CLEARANCES AND SIX WEEKS FOR THE REQUIRED BORROW SITE ENVIRONMENTAL CLEARANCES.

PROJECT SPECIFIC NOTES

NO OVERNIGHT CLOSURES WILL BE ALLOWED.

RECYCLED ASPHALT PAVEMENT (RAP) WILL NOT BE ALLOWED FOR THE AGGREGATE WEDGE SHOULDER.

STATION NUMBERS

A TEMPORARY CENTERLINE HAS BEEN ESTABLISHED FOR THIS PROJECT. THE PAVEMENT STATION NUMBERS REQUIRED BY RECURRING SPECIAL PROVISION CHECK SHEET #32 SHALL BE THE ORIGINAL STATIONING. THE ORIGINAL STATION MARKS SHALL BE REFERENCED BY THE CONTRACTOR PRIOR TO MILLING OPERATIONS FOR IMPRINTING AFTER THE FINAL SURFACE IS COMPLETE.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

LOCATION(S):	MAINLINE (US 24 & REST AREA)	MAINLINE (US 24 & REST AREA)	SHOULDER (US 24)	SHOULDER (US 24)	WIDENING
MIXTURE USE(S):	POLYMER SURFACE (1.5" - 2.25")	POLYMER BINDER (1.5" - 2.25")	POLYMER SURFACE (1.5" - 2.25")	POLYMER BINDER (1.5" - 2.25")	HMA WIDENING (SURFACE LIFT BINDER LIFT @ 1.5" EA)
AC/PG:	SBS OR SBR 70-28	SBS OR SBR 70-28	SBS OR SBR 70-28	SBS OR SBR 70-28	SBS OR SBR 70-28
DESIGN AIR VOIDS:	4.0% @ N=50	4.0% @ N=50	4.0% @ N=50	4.0% @ N=50	4.0% @ N=50
MIXTURE COMPOSITION (GRADATION MIXTURE):	IL 9.5	IL 9.5	IL 9.5	IL 9.5	IL 9.5
FRICITION AGGREGATE:	MIX D	N/A	MIX D	N/A	MIX D
QUALITY MANAGEMENT PROGRAM:	QCQA	QCQA	QCQA	QCQA	QCQA
MATERIAL TRANSFER DEVICE:	YES	YES	YES	YES	NO

NOTES:

1. INDIVIDUAL LIFT THICKNESS OF EACH MIX TYPE WILL BE NO LESS THAN THREE (3) TIMES NOMINAL MAXIMUM AGGREGATE SIZE AND NO MORE THAN SIX (6) TIMES NOMINAL AGGREGATE MAXIMUM SIZE, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
2. FOR DESIGN PURPOSES, MIXTURE WEIGHT FOR ALL MIXES IS DETERMINED TO BE 112.0 LB./SQ. YARD/IN., UNLESS OTHERWISE NOTED.
3. SUBLOT SIZES FOR PFP AND QCP MIXES WILL BE 1,000 TONS, UNLESS OTHERWISE AGREED TO BY THE ENGINEERING AND THE PAVING CONTRACTOR.

POLYMERIZED BITUMINOUS MATERIALS (TACK COAT) RATES

SURFACE TYPE	RESIDUAL RATE
MILLED (HMA OR PCC)	0.08 LB/SF
EXISTING PAVEMENT	0.08 LB/SF
FOG COAT (BETWEEN LIFTS)	0.08 LB/SF

PAVING SURFACE COURSE

CONTINUOUS PAVING OPERATIONS ON THE MAIN ROADWAY SHALL BE MAINTAINED AT ALL TIMES DURING THE CONSTRUCTION OF THE HOT MIX ASPHALT SURFACE. NO INTERRUPTIONS FOR SIDE ROADS, ENTRANCES, TURN LANES, ETC. WILL BE ALLOWED.

NO PASSING ZONE VERIFICATION

THE RESIDENT SHALL CONTACT OPERATIONS TO VERIFY THE LOCATION OF NO PASSING ZONES PRIOR TO PLACEMENT OF CENTERLINE STRIPING.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES & COMMITMENTS

SCALE: N/A SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	137PP-1,RA;102PP-1	FULTON	32	2
			CONTRACT NO. 68K90	
			ILLINOIS FED. AID PROJECT	

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PLOT SCALE = 10,0000 * / in.	CHECKED - MBF	REVISED -
PLOT DATE = 3/20/2026	DATE - MARCH 2026	REVISED -

				CONSTRUCTION CODE	
				FULTON COUNTY	
CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	100% STATE	
				0006	
				RURAL	
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	357	357	
40600295	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	POUND	10360	10360	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	554	554	
40600990	TEMPORARY RAMP	SQ YD	60	60	
40603205	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50	TON	619	619	
40604160	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	570	570	
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	127	127	
48203100	HOT-MIX ASPHALT SHOULDERS	TON	70	70	
* 63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	175	175	
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2	2	
67100100	MOBILIZATION	L SUM	1	1	
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	21	21	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	766	766	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	255	255	
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	2301	2301	
70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	2301	2301	
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	2	2	

				CONSTRUCTION CODE	
				FULTON COUNTY	
CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	100% STATE	
				0006	
				RURAL	
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	2301	2301	
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	2301	2301	
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	4	4	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	15	15	
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	1917	1917	
Z0001002	GUARDRAIL AGGREGATE EROSION CONTROL	TON	130	130	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	6510	6510	
X6330900	VERTICAL ADJUSTMENT OF GUARDRAIL	FOOT	150	150	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
X3510101	AGGREGATE BASE COURSE, TYPE A (SPECIAL)	TON	37	37	
X3550208	HOT-MIX ASPHALT BASE COURSE, 8" (SPECIAL)	SQ YD	131	131	

* = SPECIALTY ITEM

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DEPARTMENT OF TRANSPORTATION**

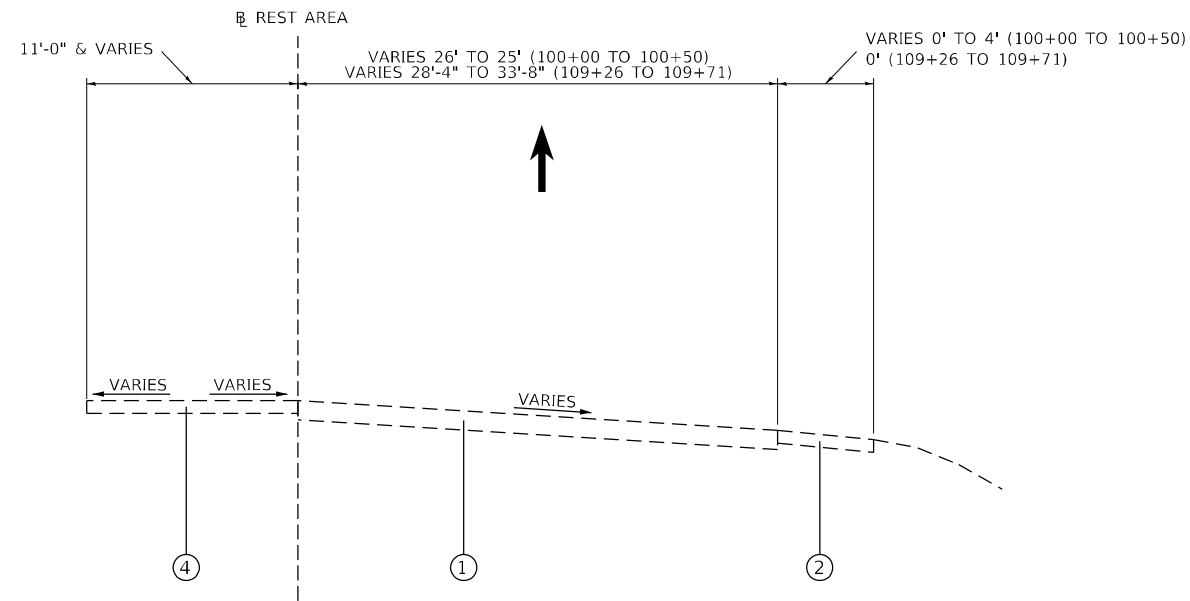
SUMMARY OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	137PP-1,RA;102PP-1	FULTON	32	3
CONTRACT NO. 68K90				
ILLINOIS FED. AID PROJECT				

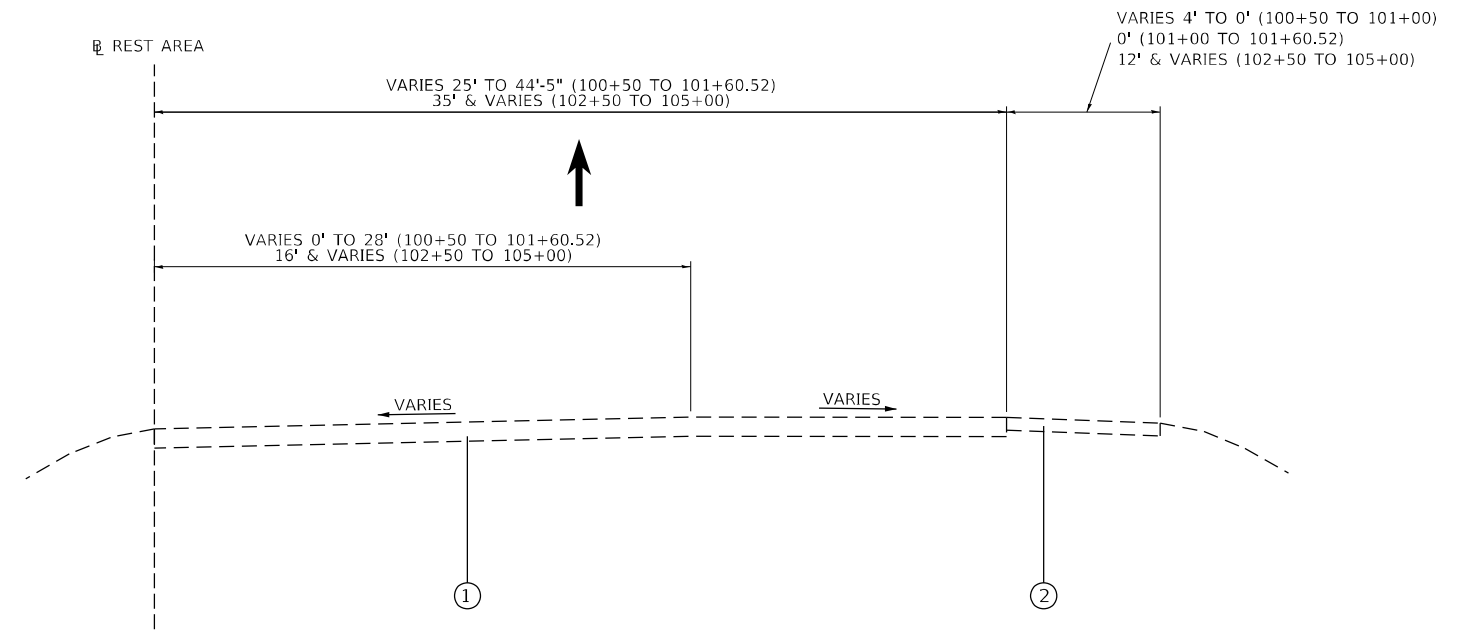
LEGEND

- ① EX. HMA PAVEMENT
- ② EX. ROCK SHOULDER
- ③ EX. PCC SIDEWALK
- ④ EX. HMA SHOULDER



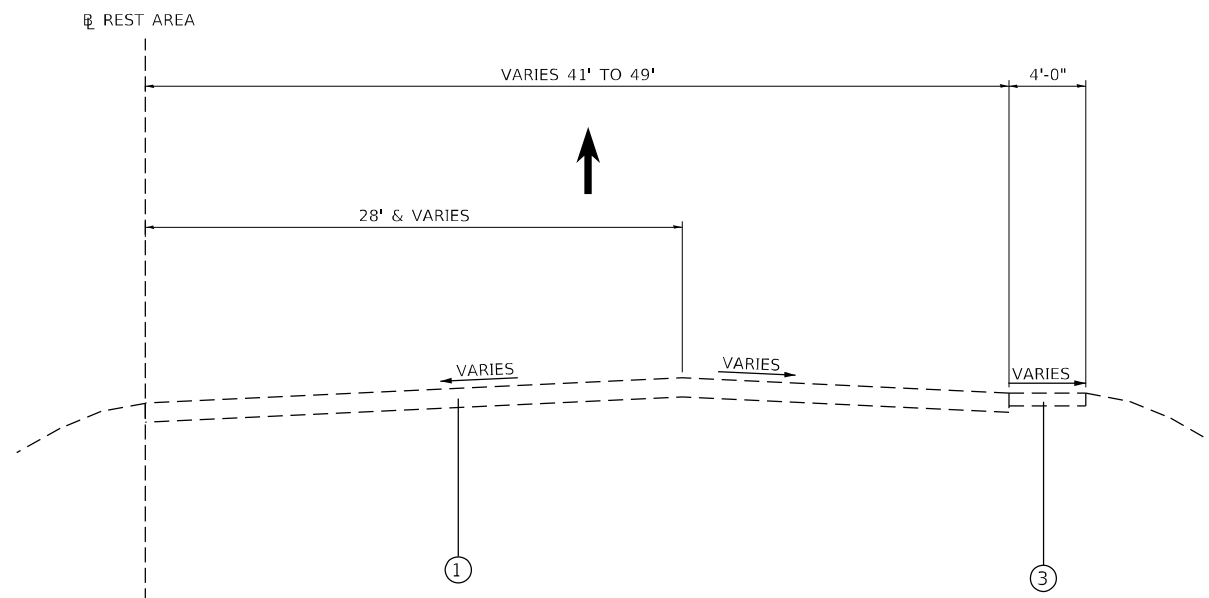
US 24 REST AREA EXISTING TYPICAL SECTION

STA. 100 + 00.00 TO STA. 100 + 50.00
 STA. 109 + 21.00 TO STA. 109 + 71.00



US 24 REST AREA EXISTING TYPICAL SECTION

STA. 100 + 50.00 TO STA. 101 + 60.52
 STA. 102 + 50.00 TO STA. 105 + 00.00



US 24 REST AREA EXISTING TYPICAL SECTION

STA. 101 + 60.52 TO STA. 102 + 50

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 DEPARTMENT OF TRANSPORTATION**

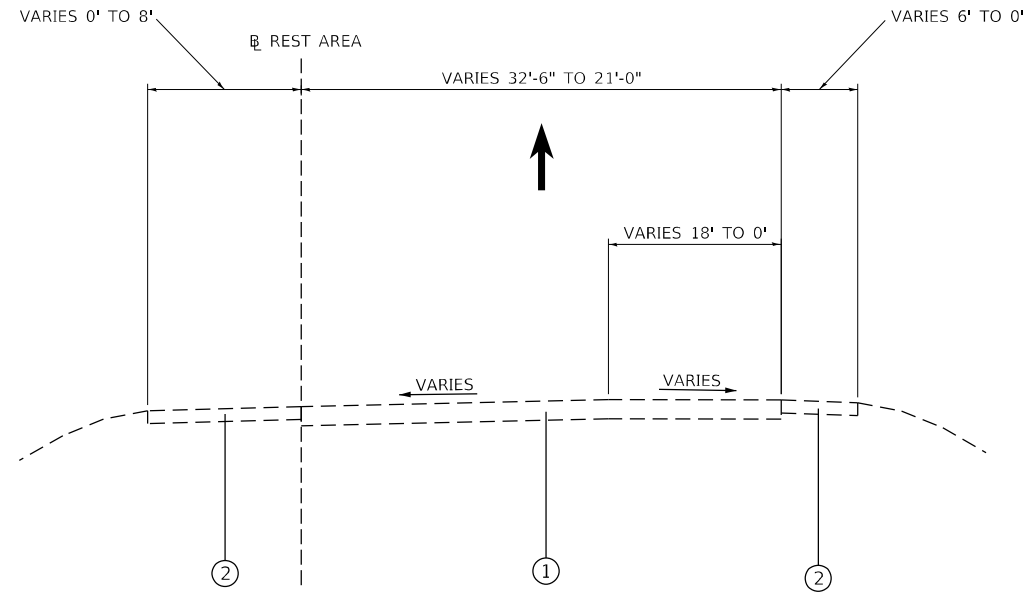
EXISTING TYPICAL SECTIONS - US 24 REST AREA

SCALE: NTS SHEET 1 OF 4 SHEETS STA. TO STA.

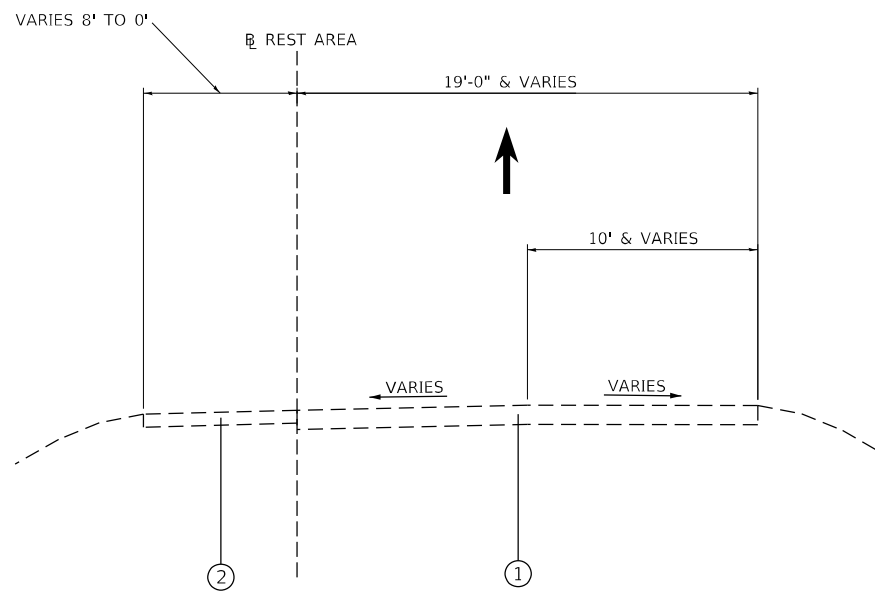
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317	137PP-1,RA;102PP-1	FULTON	32	4
CONTRACT NO. 68K90				
ILLINOIS FED. AID PROJECT				

LEGEND

- ① EX. HMA PAVEMENT
- ② EX. ROCK SHOULDER
- ③ EX. PCC SIDEWALK
- ④ EX. HMA SHOULDER



REST AREA EXISTING TYPICAL SECTION
STA. 105 + 00.00 TO STA. 106 + 50.00



REST AREA EXISTING TYPICAL SECTION
STA. 106 + 50.00 TO STA. 109 + 21.00

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 PLOT DATE = 3/20/2026

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 DATE - MARCH 2026
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

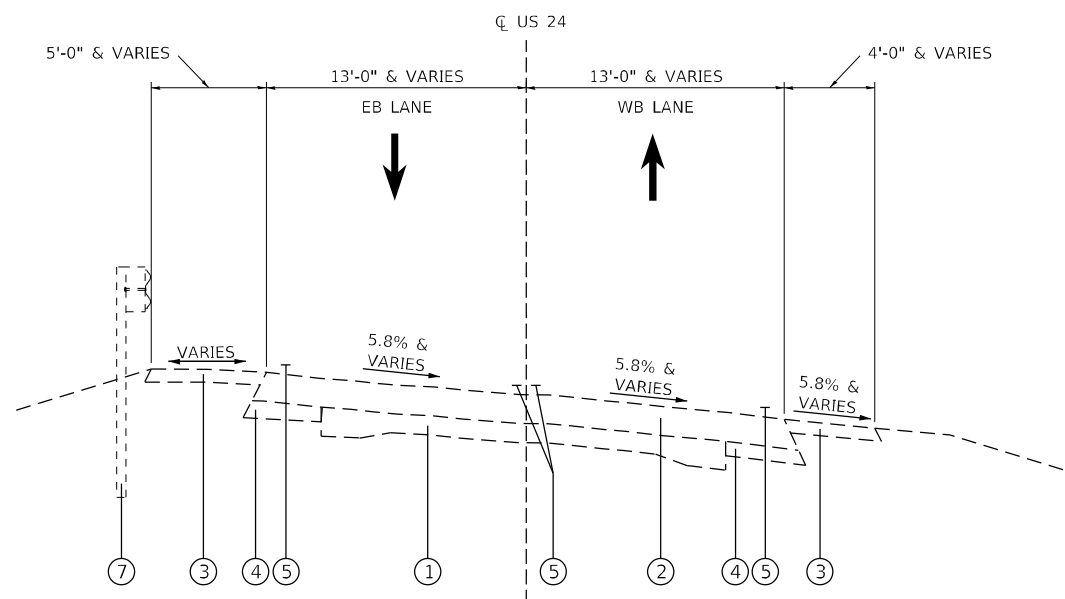
EXISTING TYPICAL SECTIONS - US 24 REST AREA

SCALE: NTS SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	137PP-1,RA;102PP-1	FULTON	32	5
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68K90	

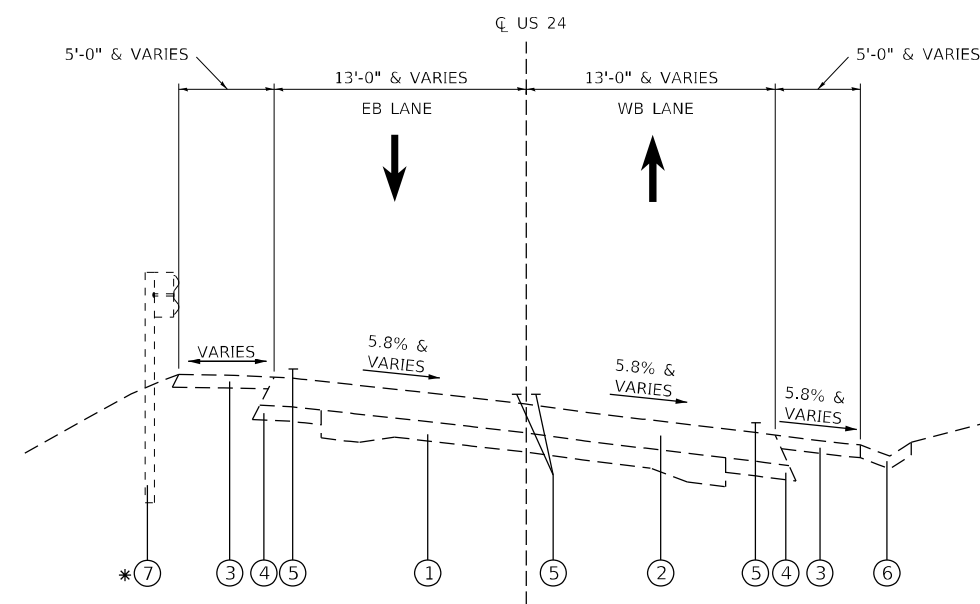
LEGEND

- ① EX. PAVEMENT (9,6,9)
- ② EX. HMA OVERLAY
- ③ EX. HMA SHOULDERS
- ④ EX. BASE COURSE WIDENING
- ⑤ EX. PAVEMENT MARKINGS
- ⑥ EX. CONCRETE GUTTER
- ⑦ EX. GUARDRAIL



US 24 EXISTING TYPICAL SECTION

STA. 1377 + 50.00 TO STA. 1380 + 87.67



* EX. GUARDRAIL ENDS @ STA. 1383+19.03

US 24 EXISTING TYPICAL SECTION

STA. 1380 + 87.67 TO STA. 1383 + 61.29

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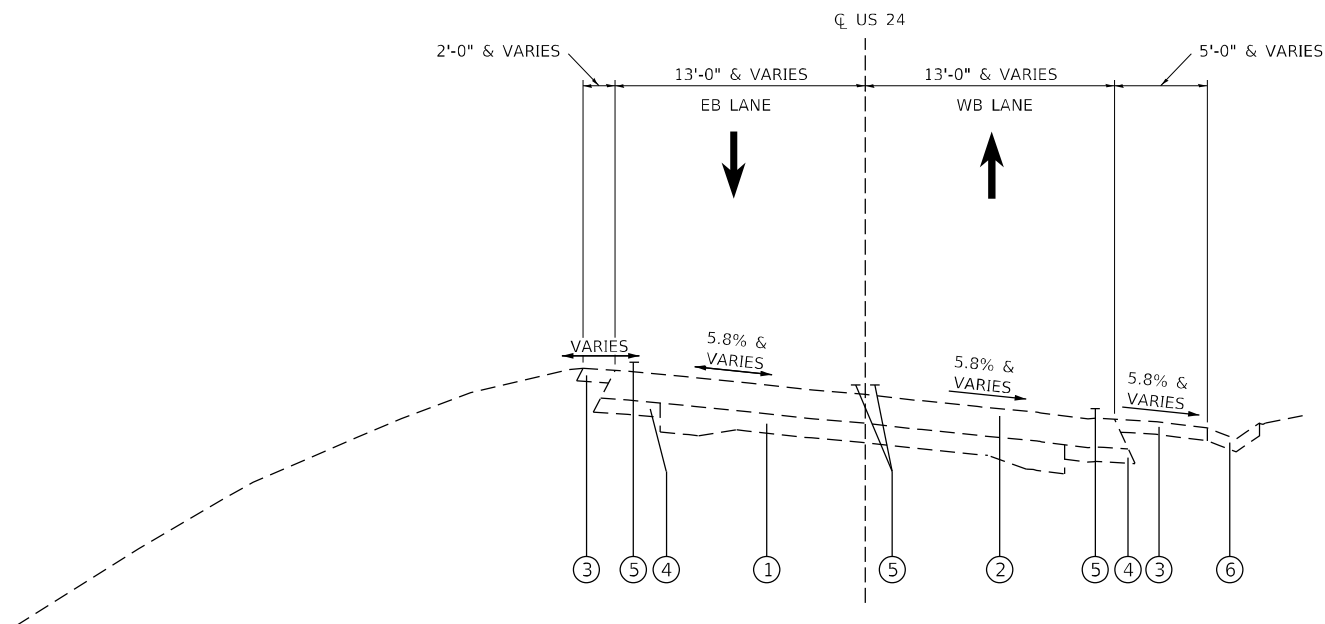
EXISTING TYPICAL SECTIONS - US 24

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CONTRACT NO. 68K90				
ILLINOIS FED. AID PROJECT				

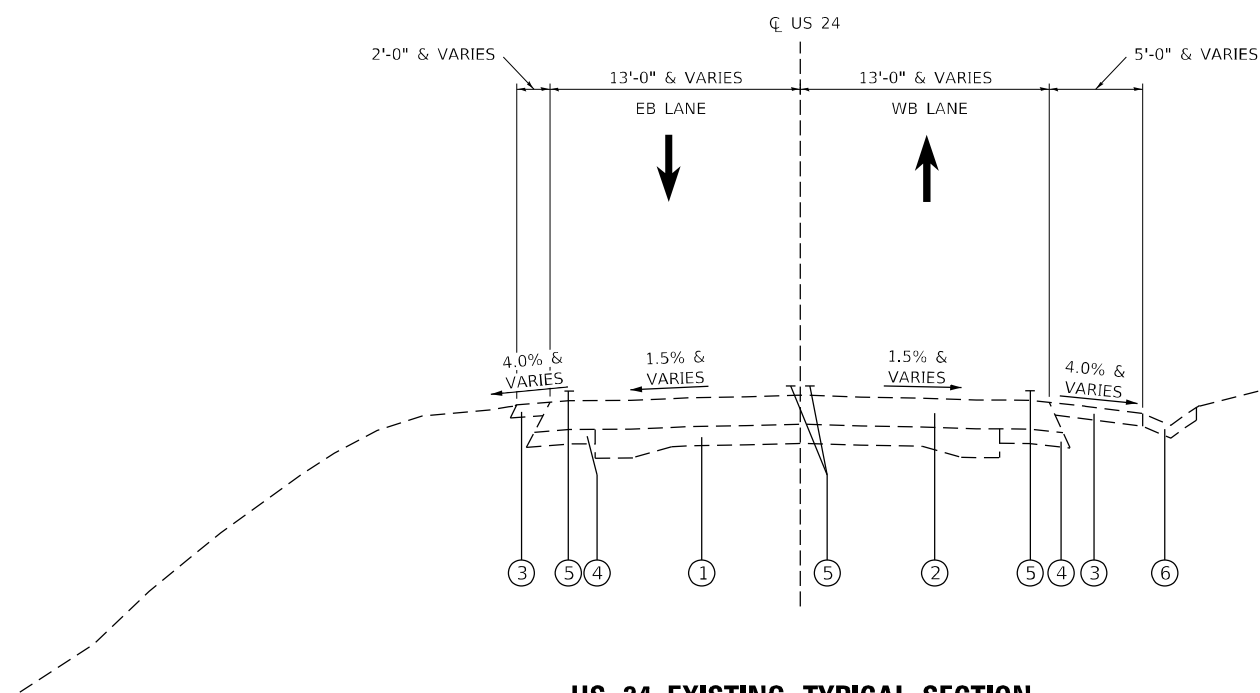
LEGEND

- ① EX. PAVEMENT (9,6,9)
- ② EX. HMA OVERLAY
- ③ EX. HMA SHOULDERS
- ④ EX. BASE COURSE WIDENING
- ⑤ EX. PAVEMENT MARKINGS
- ⑥ EX. CONCRETE GUTTER
- ⑦ EX. GUARDRAIL



US 24 EXISTING TYPICAL SECTION

STA. 1383 + 61.29 TO STA. 1387 + 60.08



US 24 EXISTING TYPICAL SECTION

STA. 1387 + 60.08 TO STA. 1389 + 00.00

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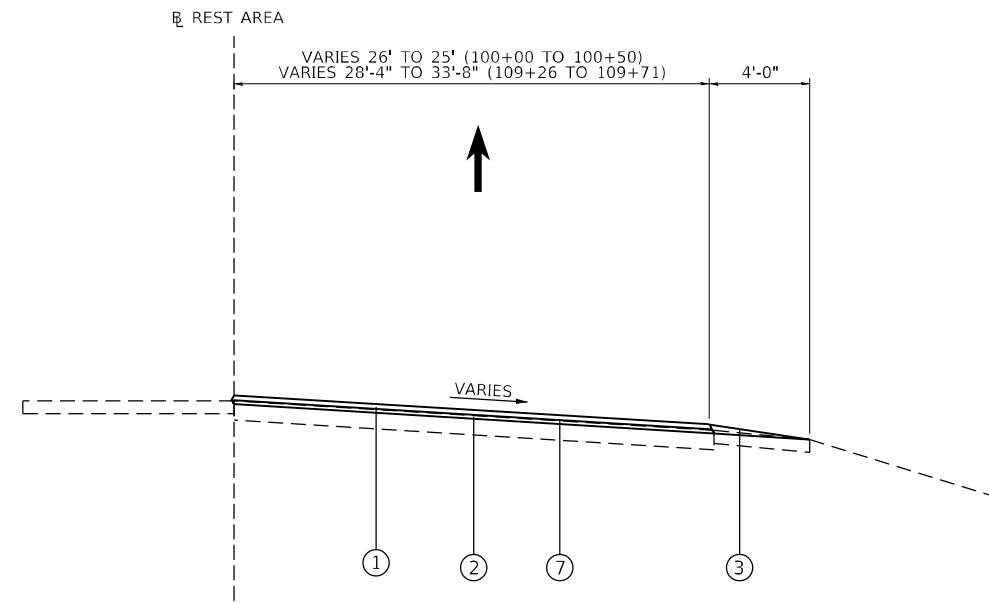
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EXISTING TYPICAL SECTIONS - US 24

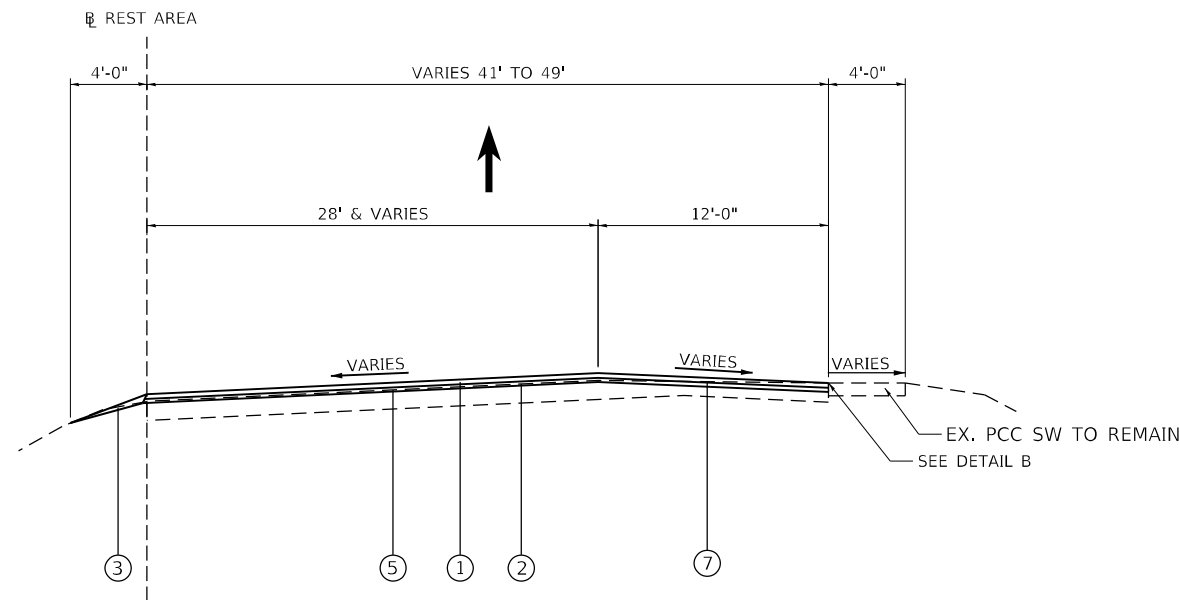
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CONTRACT NO. 68K90				
ILLINOIS FED. AID PROJECT				



REST AREA PROPOSED TYPICAL SECTION

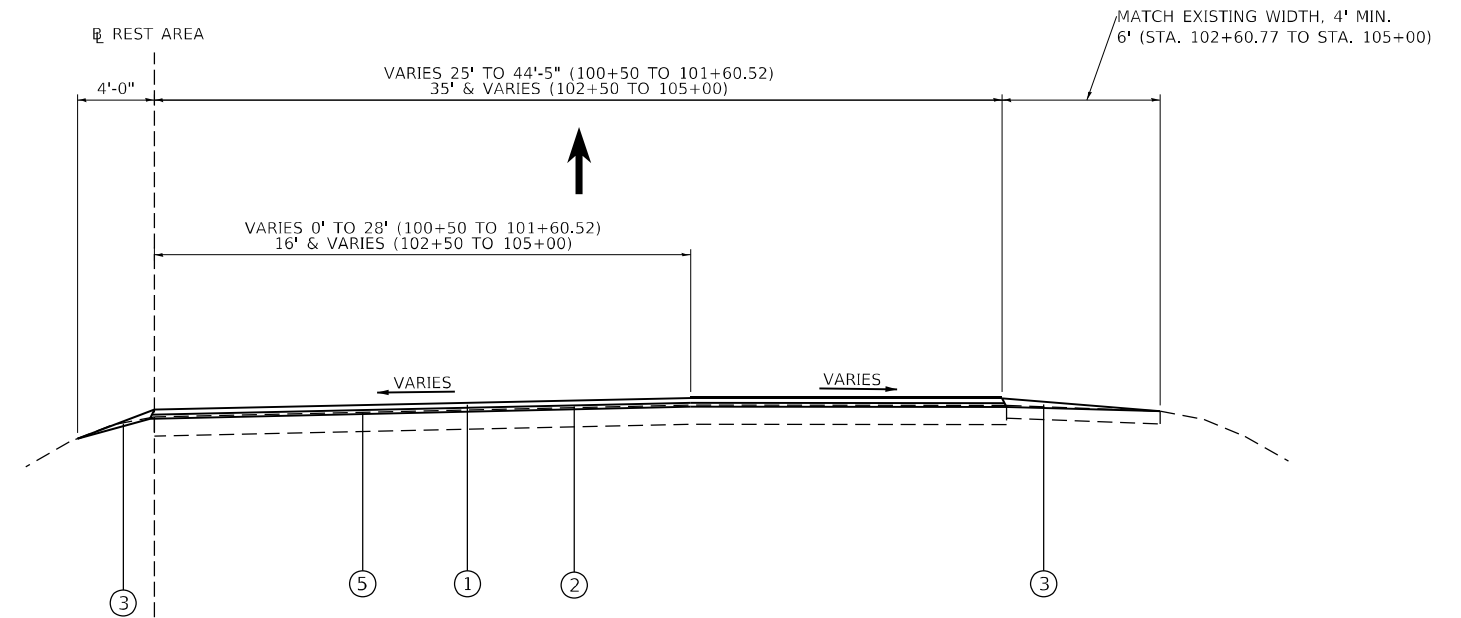
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 STA. 109 + 21.00 TO STA. 109 + 71.00



REST AREA PROPOSED TYPICAL SECTION

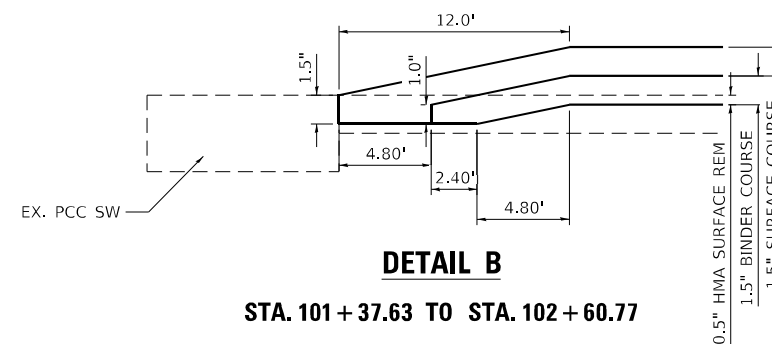
STA. 101 + 60.52 TO STA. 102 + 50.00

- LEGEND**
- ① PR. POLYMERIZED HMA SURFACE COURSE 1.5"
 - ② PR. POLYMERIZED HMA BINDER COURSE, 1.5"
 - ③ PR. AGGREGATE WEDGE SHOULDER, TY B
 - ④ PR. HMA BASE COURSE 8" (SPECIAL)
 - ⑤ PR. HMA SURFACE REMOVAL, VARIABLE DEPTH, 1/2" MIN.
 - ⑥ PR. AGGREGATE BASE COURSE, TY A, 4" (SPECIAL)
 - ⑦ PR. HMA SURFACE REMOVAL, BUTT JOINT



US 24 REST AREA PROPOSED TYPICAL SECTION

STA. 100 + 50.00 TO STA. 101 + 60.52
 STA. 102 + 50.00 TO STA. 104 + 99.70



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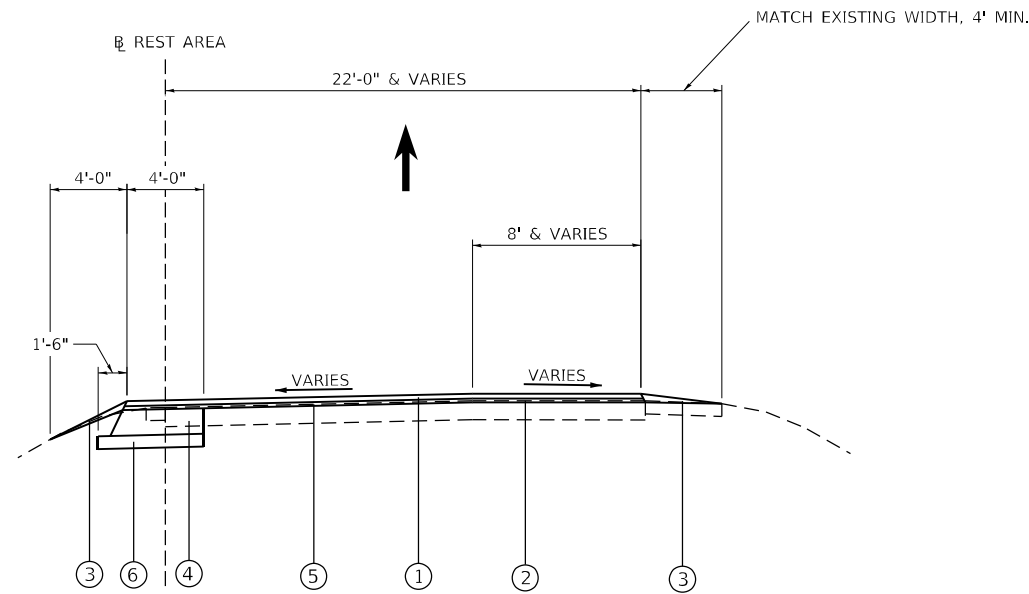
PROPOSED TYPICAL SECTIONS - US 24 REST AREA

SCALE: NTS SHEET 1 OF 4 SHEETS STA. TO STA.

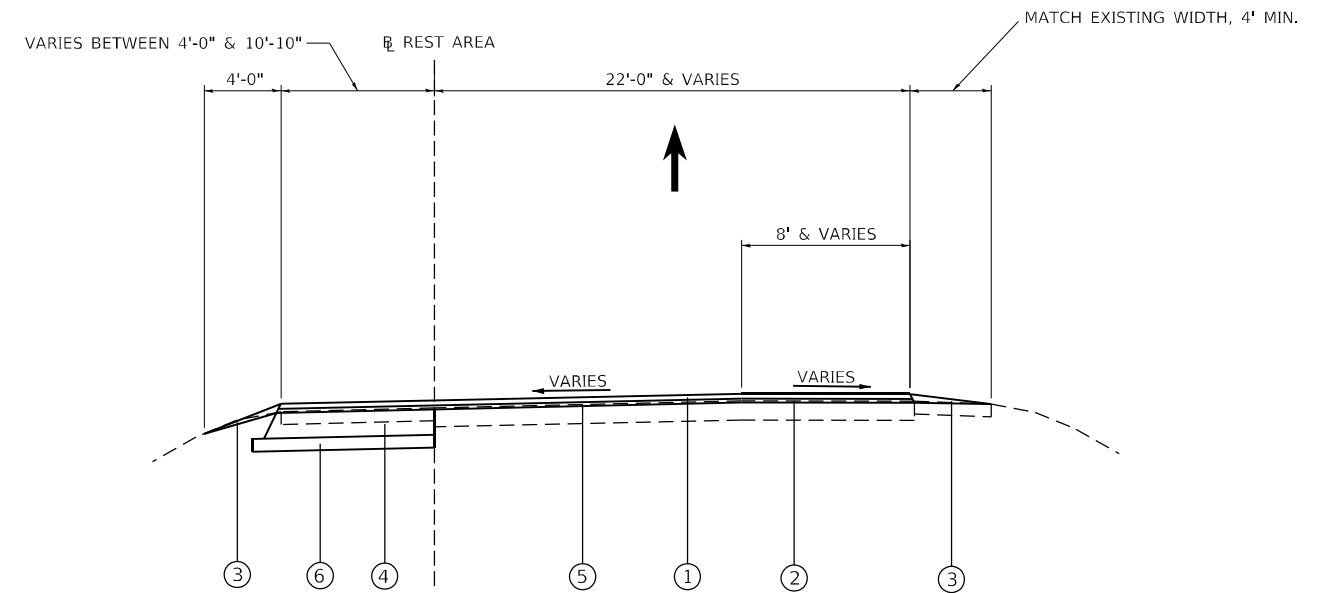
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317	137PP-1,RA;102PP-1	FULTON	32	8
CONTRACT NO. 68K90				
ILLINOIS FED. AID PROJECT				

LEGEND

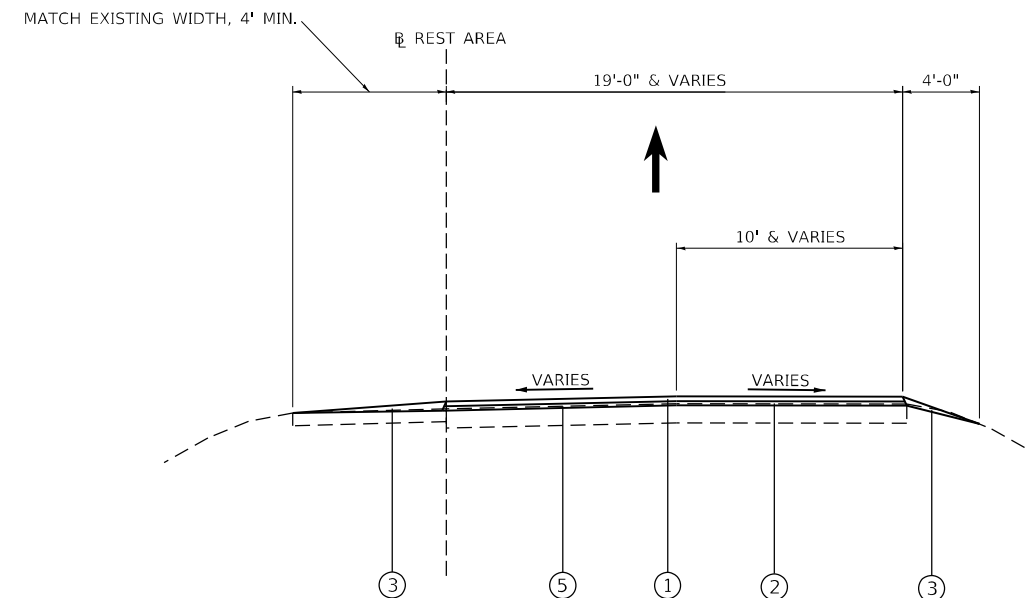
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- ② PR. POLYMERIZED HMA BINDER COURSE 1.5"
- ③ PR. AGGREGATE WEDGE SHOULDER, TY B
- ④ PR. HMA BASE COURSE 8" (SPECIAL)
- ⑤ PR. HMA SURFACE REMOVAL, VARIABLE DEPTH, 1/2" MIN.
- ⑥ PR. AGGREGATE BASE COURSE, TY A, 4" (SPECIAL)
- ⑦ PR. HMA SURFACE REMOVAL, BUTT JOINT



REST AREA PROPOSED TYPICAL SECTION
 STA. 104 + 99.70 TO STA. 105 + 40.17
 STA. 106 + 58.97 TO STA. 106 + 86.10



REST AREA PROPOSED TYPICAL SECTION
 STA. 105 + 40.17 TO STA. 106 + 58.97



REST AREA PROPOSED TYPICAL SECTION
 STA. 106 + 86.10 TO STA. 109 + 21.00

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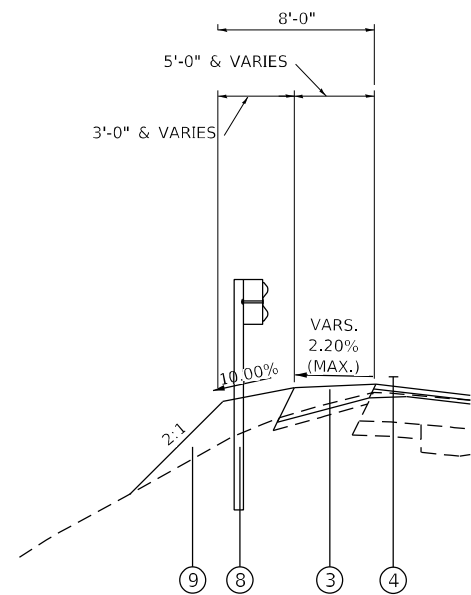
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PROPOSED TYPICAL SECTIONS - US 24 REST AREA

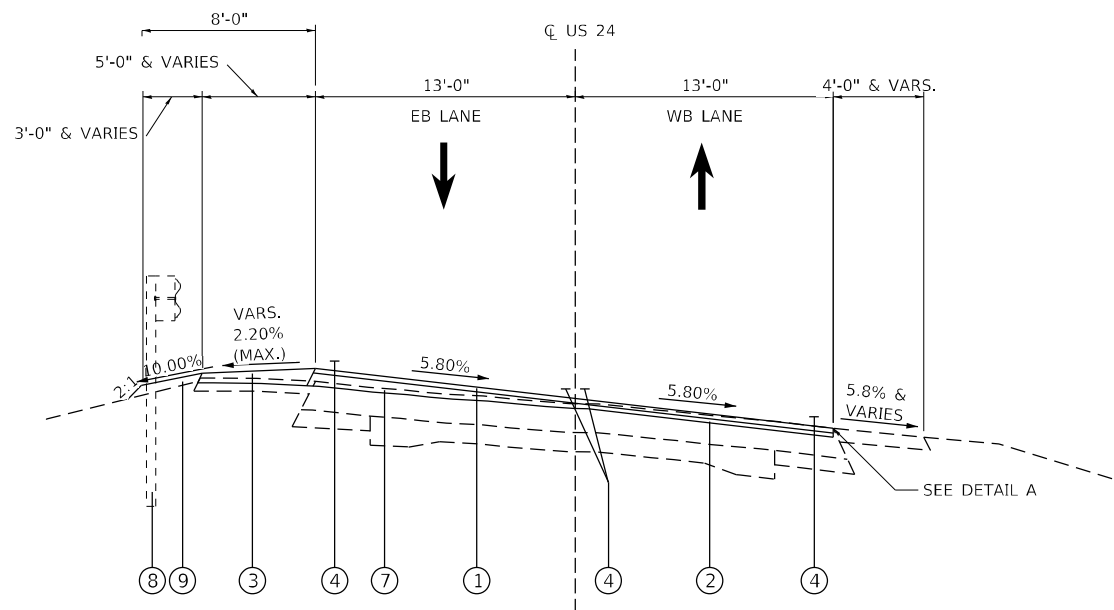
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 68K90				
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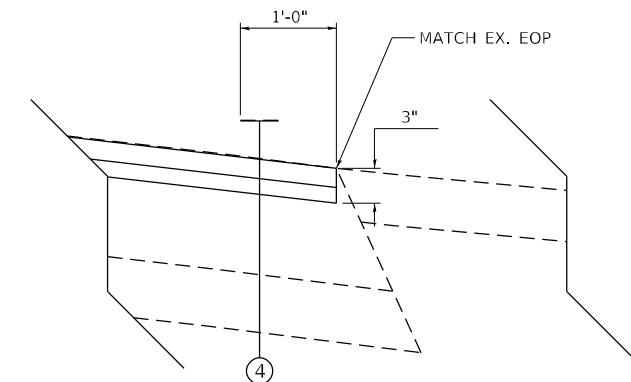
LT. SHOULDER DETAIL 1

LT. STA. 1380 + 00.00 TO STA. 1381 + 50.00



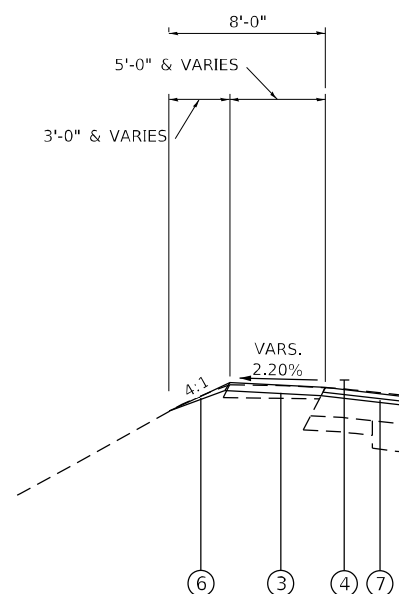
US 24 PROPOSED TYPICAL SECTION

STA. 1377 + 50.00 TO STA. 1380 + 87.67



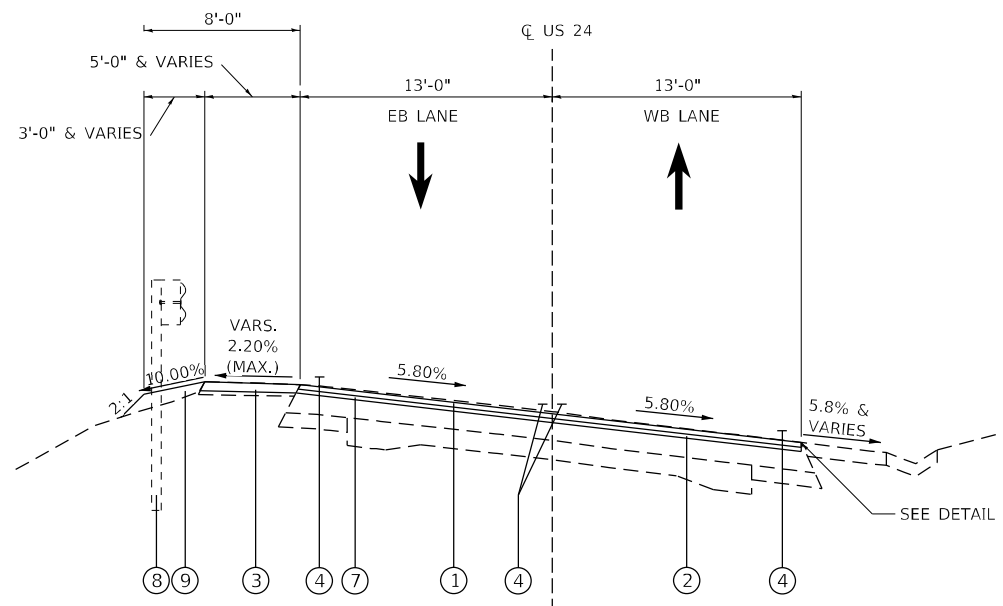
DETAIL A

RT. EOP/SHOULDER DETAIL AT EX. HMA SHOULDER TO REMAIN



LT. SHOULDER DETAIL 2

LT. STA. 1383 + 19.03 TO STA. 1383 + 61.21



US 24 PROPOSED TYPICAL SECTION

STA. 1380 + 87.67 TO STA. 1383 + 61.21

LEGEND

- ① PR. POLYMERIZED HMA SURFACE COURSE, 1.5"
- ② PR. POLYMERIZED HMA BINDER COURSE, VARIABLE DEPTH 1.5" MIN.
- ③ PR. HMA SHOULDERS, VARIABLE DEPTH, 2.75" MIN.
- ④ PR. PAVEMENT MARKINGS
- ⑤ PR. GUARDRAIL
- ⑥ PR. AGGREGATE WEDGE SHOULDER, TY B
- ⑦ PR. HMA SURFACE REMOVAL, VARIABLE DEPTH, 1/2" MIN.
- ⑧ PR. VERTICAL ADJUSTMENT OF GUARDRAIL (STA. 1380+00 TO STA. 1380+50)
- ⑨ PR. GUARDRAIL AGGREGATE EROSION CONTROL

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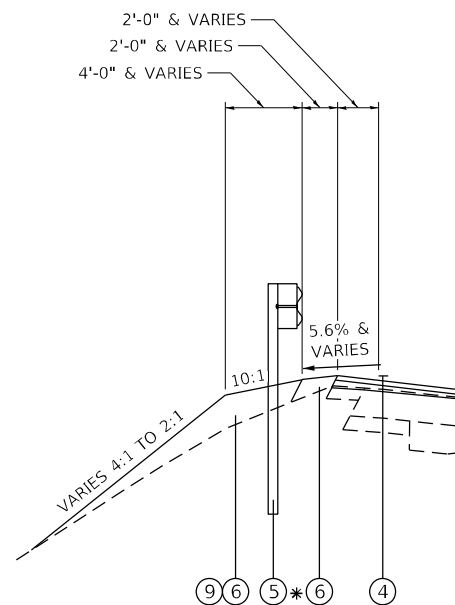
PROPOSED TYPICAL SECTIONS - US 24

SCALE: NTS SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CONTRACT NO. 68K90	
ILLINOIS FED. AID PROJECT				

LEGEND

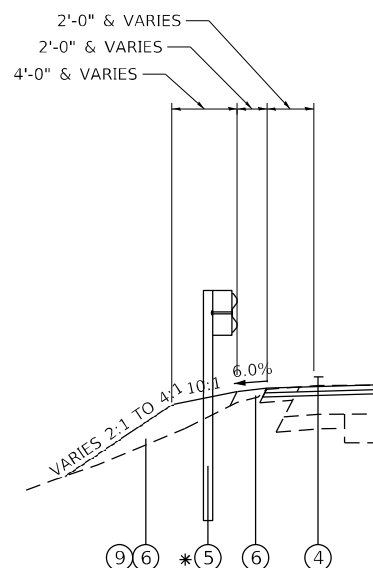
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- ② PR. POLYMERIZED HMA BINDER COURSE, VARIABLE DEPTH 1.5" MIN.
- ③ PR. HMA SHOULDERS, VARIABLE DEPTH, 2.75" MIN.
- ④ PR. PAVEMENT MARKINGS
- ⑤ PR. GUARDRAIL
- ⑥ PR. AGGREGATE WEDGE SHOULDER, TY B
- ⑦ PR. HMA SURFACE REMOVAL, VARIABLE DEPTH, 1/2" MIN.
- ⑧ PR. VERTICAL ADJUSTMENT OF GUARDRAIL (STA. 1380+00 TO STA. 1380+50)
- ⑨ PR. GUARDRAIL AGGREGATE EROSION CONTROL



LT. SHOULDER DETAIL 3

LT. STA. 1385 + 66.00 TO STA. 1387 + 60.08

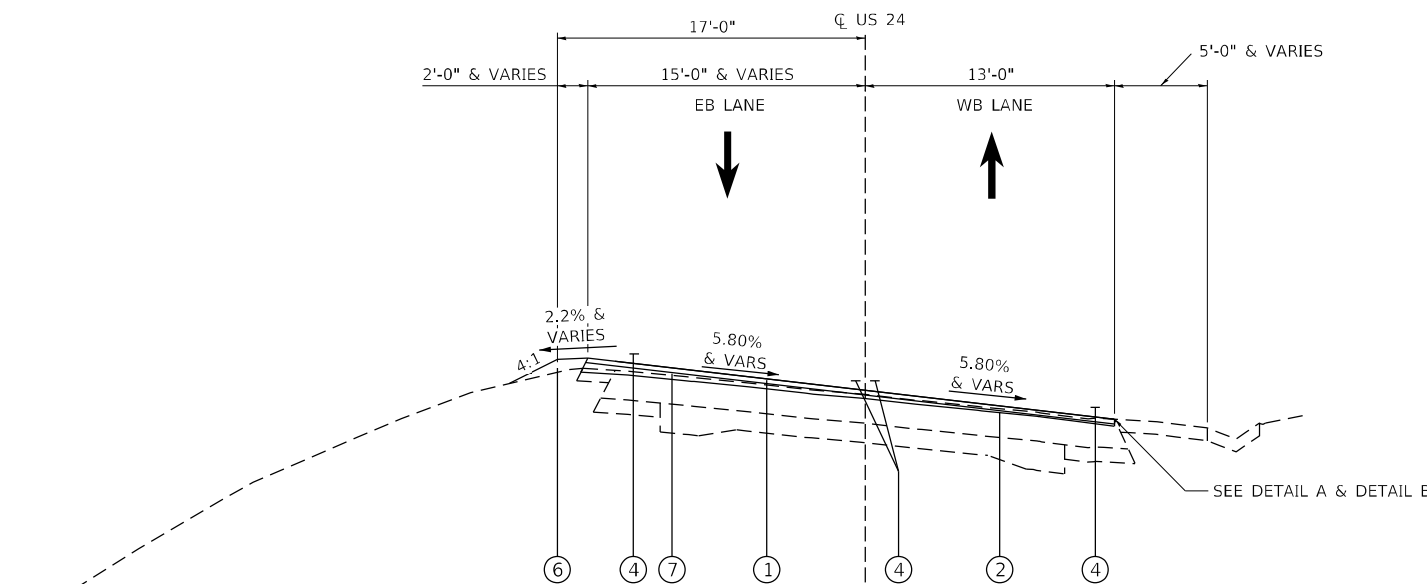
* PR. GUARDRAIL BEGINS @ STA. 1386+00



LT. SHOULDER DETAIL 4

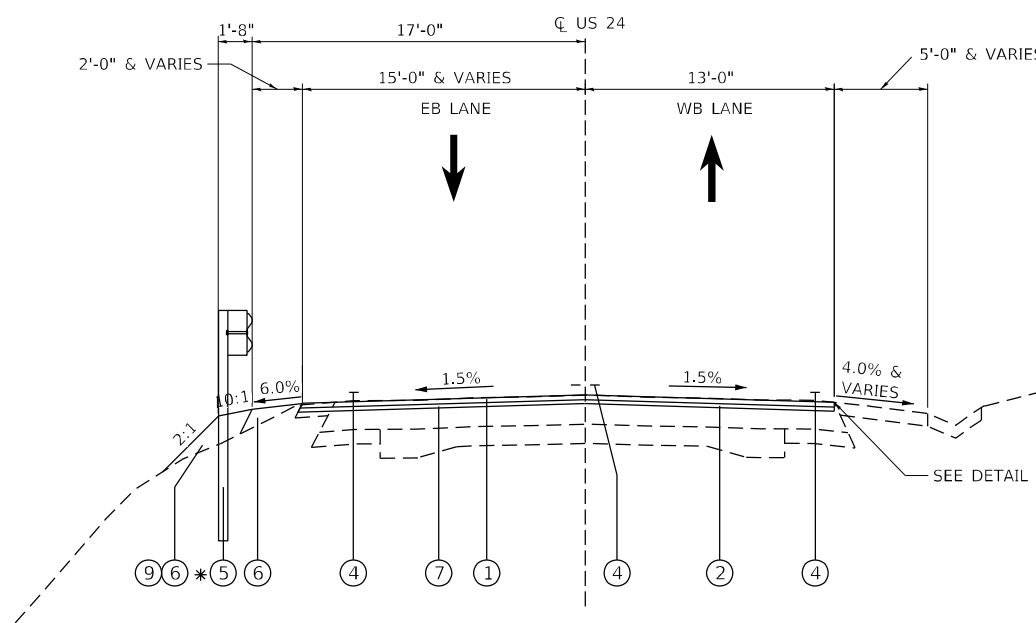
LT. STA. 1388 + 10.00 TO STA. 1389 + 09.00

* PR. GUARDRAIL ENDS @ STA. 1388+39.50



US 24 PROPOSED TYPICAL SECTION

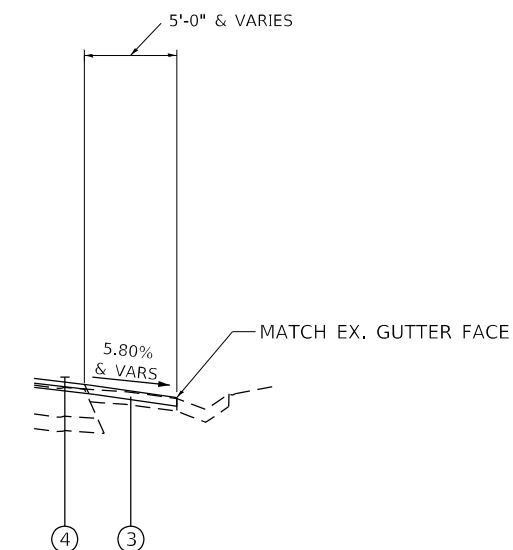
STA. 1383 + 61.21 TO STA. 1387 + 60.08



US 24 PROPOSED TYPICAL SECTION

STA. 1387 + 60.08 TO STA. 1389 + 00.00

* PR. GUARDRAIL ENDS @ STA. 1388+39.50



DETAIL B

RT. STA. 1384 + 75.00 TO STA. 1385 + 75.00

MODEL: Dwg4.dwg FILE NAME: P:\2023\20984\25 - US 24 Parallel Depth Patching & BAY CADD - DWG4.dwg FROM CADD: Sheet: D:\8\8\08\shby\pascign



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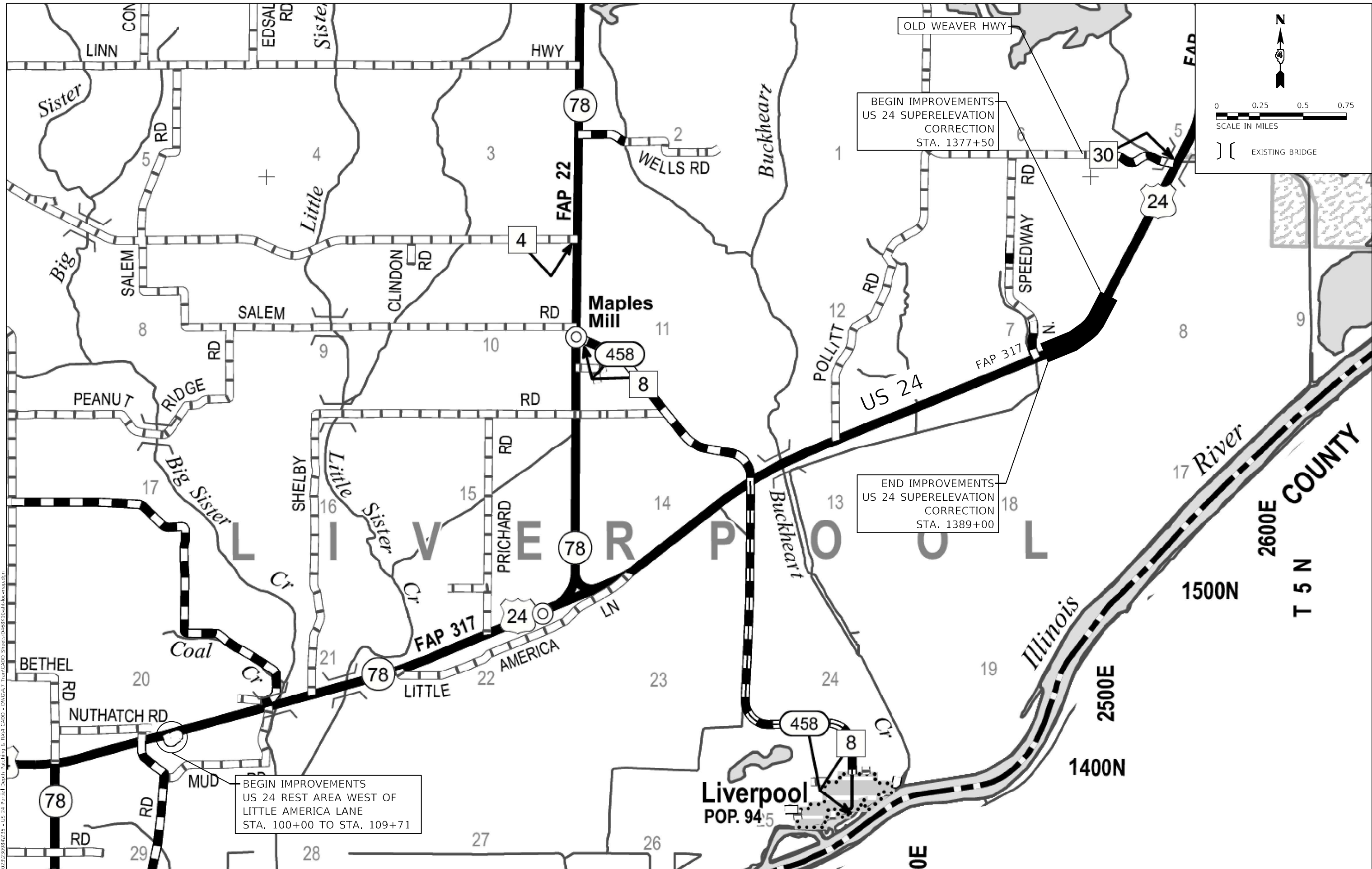
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PLOT DATE = 3/20/2026	DATE - MARCH 2026	REVISED -

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PROPOSED TYPICAL SECTIONS - US 24

SCALE: NTS SHEET 4 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	137PP-1,RA;102PP-1	FULTON	32	11
CONTRACT NO. 68K90				
ILLINOIS FED. AID PROJECT				



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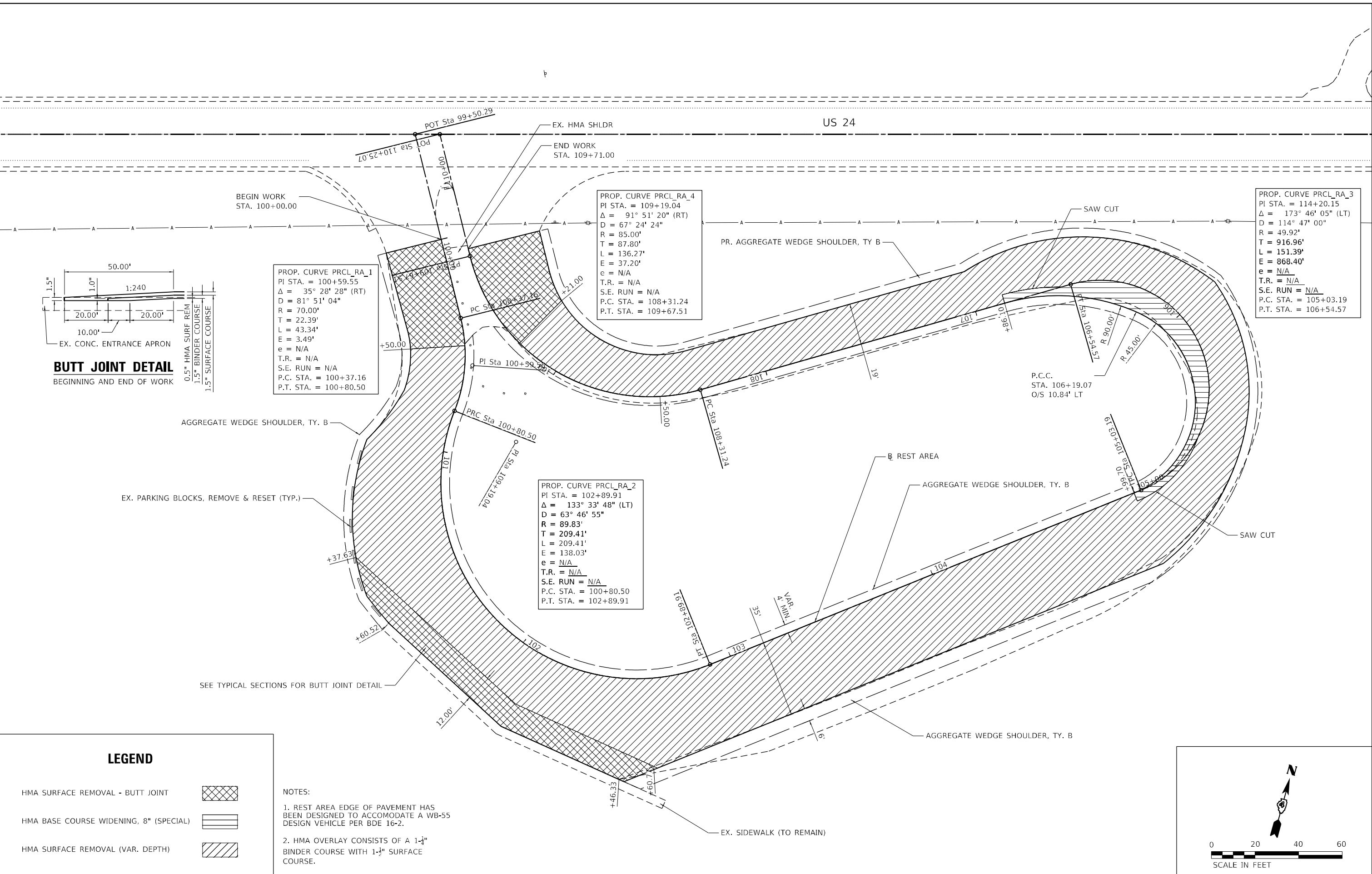
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DRAWN - BCS	REVISED -	
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PLOT DATE = 3/20/2026	DATE - MARCH 2026	REVISED -

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DEPARTMENT OF TRANSPORTATION

LOCATION MAP
 SCALE: 1" = 2640'
 SHEET 1 OF 1 SHEETS
 STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	1377PP-1,RA;102PP-1	FULTON	32	13
CONTRACT NO. 68K90			ILLINOIS FED. AID PROJECT	

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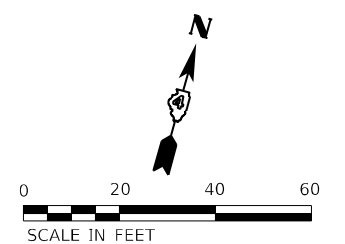


LEGEND

- HMA SURFACE REMOVAL - BUTT JOINT
- HMA BASE COURSE WIDENING, 8" (SPECIAL)
- HMA SURFACE REMOVAL (VAR. DEPTH)

NOTES:

- REST AREA EDGE OF PAVEMENT HAS BEEN DESIGNED TO ACCOMMODATE A WB-55 DESIGN VEHICLE PER BDE 16-2.
- HMA OVERLAY CONSISTS OF A 1- $\frac{1}{4}$ " BINDER COURSE WITH 1- $\frac{1}{4}$ " SURFACE COURSE.



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PLOT DATE = 3/20/2026	DATE - MARCH 2026	REVISED -

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 DEPARTMENT OF TRANSPORTATION**

PLAN US 24 - REST AREA

SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. 1477+00.00 TO STA. 1483+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	137PP-1,RA;102PP-1	FULTON	32	14
CONTRACT NO. 68K90				

ILLINOIS FED. AID PROJECT



PROP. CURVE PRCL_US24_3
 PI STA. = 1377+03.11
 $\Delta = 20^\circ 30' 33''$ (RT)
 $D = 3^\circ 25' 00''$
 $R = 1,676.95'$
 $T = 303.38'$
 $L = 600.27'$
 $E = 27.22'$
 $e = 5.8\%$
 $T.R. = N/A$
 $S.E. RUN = N/A$
 $P.C. STA. = 1373+99.73$
 $P.T. STA. = 1380+00.00$

PROP. CURVE PRCL_US24_4
 PI STA. = 1383+05.48
 $\Delta = 19^\circ 27' 16''$ (RT)
 $D = 3^\circ 12' 55''$
 $R = 1,782.04'$
 $T = 305.48'$
 $L = 605.08'$
 $E = 25.99'$
 $e = 5.8\%$
 $T.R. = 43'$
 $S.E. RUN = 167'$
 $P.C. STA. = 1380+00.00$
 $P.T. STA. = 1386+05.08$

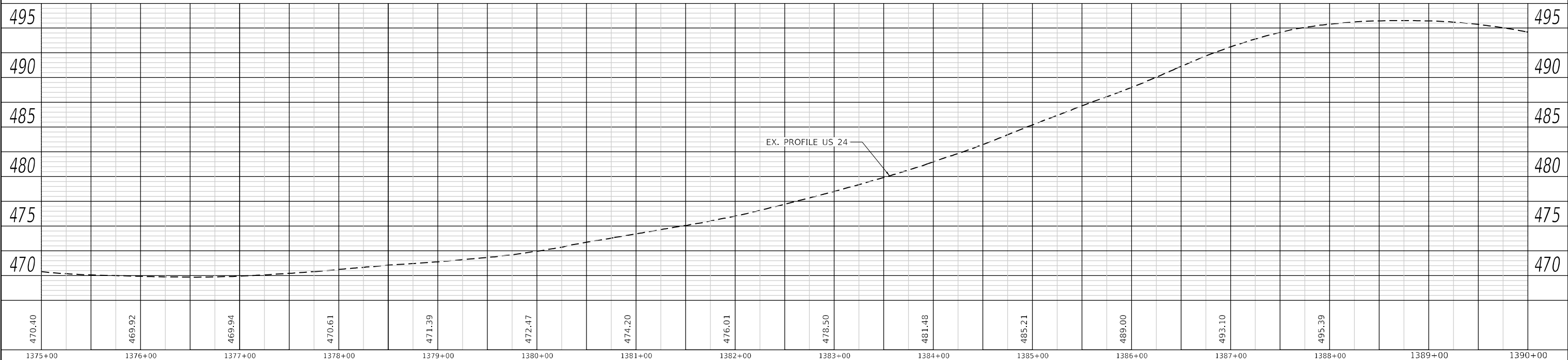
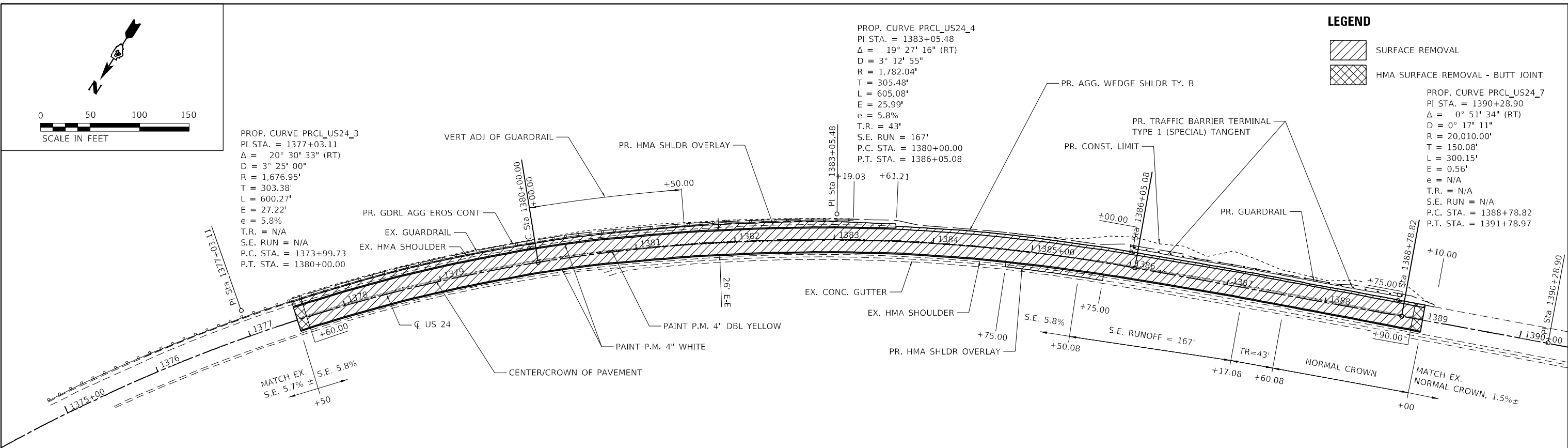
LEGEND

- SURFACE REMOVAL
- HMA SURFACE REMOVAL - BUTT JOINT

PROP. CURVE PRCL_US24_7
 PI STA. = 1390+28.90
 $\Delta = 0^\circ 51' 34''$ (RT)
 $D = 0^\circ 17' 11''$
 $R = 20,010.00'$
 $T = 150.08'$
 $L = 300.15'$
 $E = 0.56'$
 $e = N/A$
 $T.R. = N/A$
 $S.E. RUN = N/A$
 $P.C. STA. = 1388+78.82$
 $P.T. STA. = 1391+78.97$

DATE	
BY	
PLAN	
SURVEYED	
PLOTTED	
CHECKED	
DATE	
NO.	
FILE NAME	

DATE	
BY	
PROFILE	
SURVEYED	
PLOTTED	
CHECKED	
DATE	
NO.	
FILE NAME	



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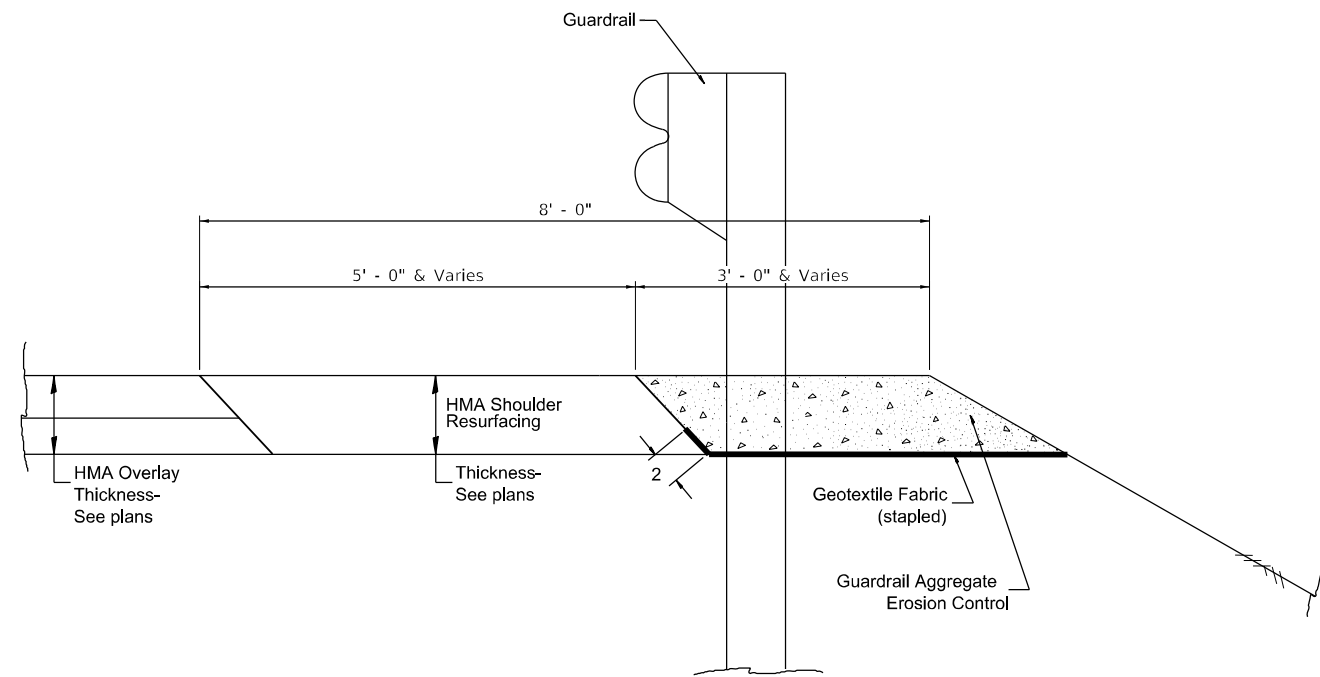
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	DATE - FEB 2026	REVISED -

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PLAN US 24 SUPERELEVATION CORRECTION

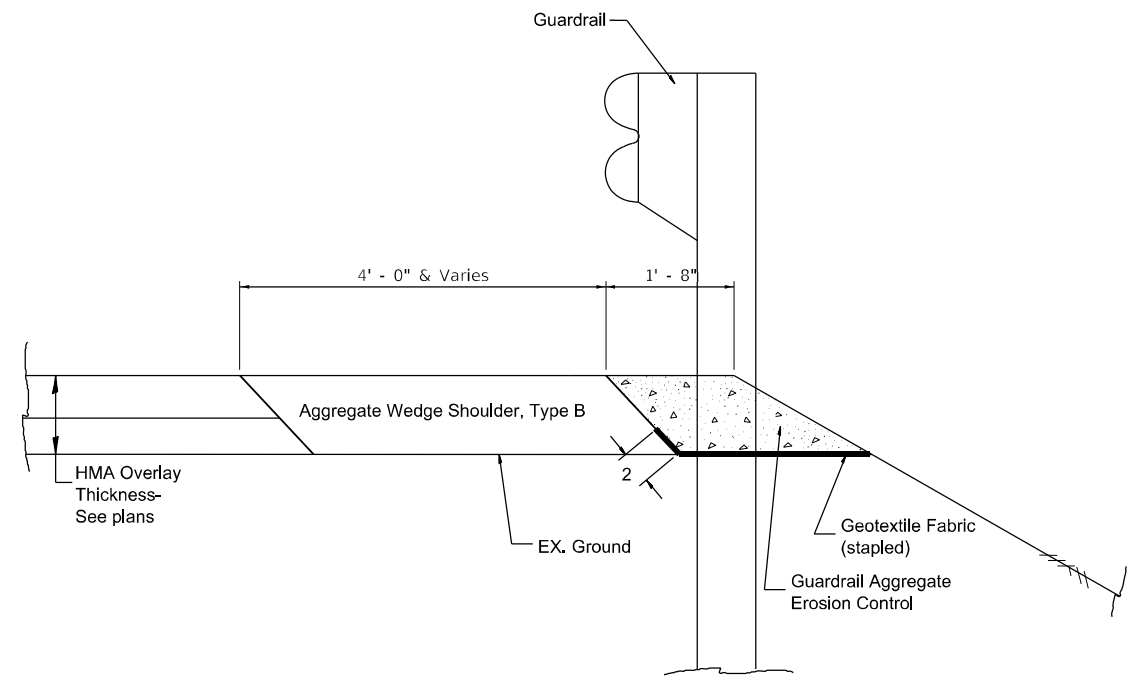
SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. 1375+00.00 TO STA. 1390+00.00

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	1377PP-1,RA;102PP-1	FULTON	32	15
CONTRACT NO. 68K90				
ILLINOIS FED. AID PROJECT				



TYPICAL SECTION WITH HMA SHOULDER

NTS



TYPICAL SECTION WITH AGGREGATE SHOULDER

NTS

GENERAL NOTES: GUARDRAIL AGGREGATE EROSION CONTROL

1. This work shall consist of grading as needed, furnishing and installing geotextile fabric and staples, and furnishing, placing and shaping crushed aggregate around and behind Steel Plate Beam Guardrail posts in accordance with Plan Details.
2. Before placing the aggregate and the Geotextile Fabric, weeds and grass shall be removed from the area to be covered.
3. After the area has been prepared, and in a dry condition, the Geotextile fabric shall be placed with a 12 minimum overlap. A knife cut for guardrail post installation is necessary.
4. The aggregate shall be deposited, compacted and shaped by either mechanical or hand methods, in a manner reasonably true to line and grade.
5. The Contractor shall have the option of placing the guardrail before or after the Geotextile Fabric and Aggregate are in place. If the guardrail is placed after the Geotextile Fabric and Aggregate, then any voids must be filled and the aggregate returned to line and grade.
6. Materials shall meet the following requirements:
 - A. The crushed aggregate shall be CA1 gradation in accordance with Article 1004.01(c) of the Standard Specifications.
 - B. The Geotextile Fabric shall be nonwoven fabric in accordance with Article 1080.02 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

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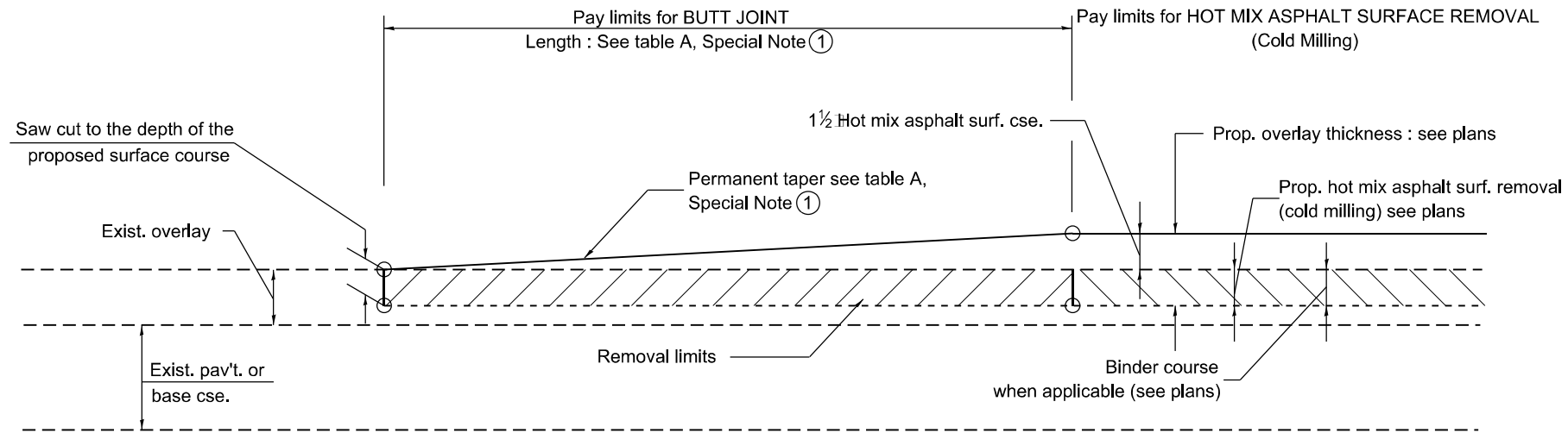
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PLOT DATE = 3/19/2026	DATE - MARCH 2026	REVISED -

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MISCELLANEOUS DETAILS
GUARDRAIL EROSION CONTROL TREATMENTS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	137PP-1,RA;102PP-1	FULTON	32	18
DISTRICT 4 DETAIL NO. 630101			CONTRACT NO. 68K90	
ILLINOIS FED. AID PROJECT				



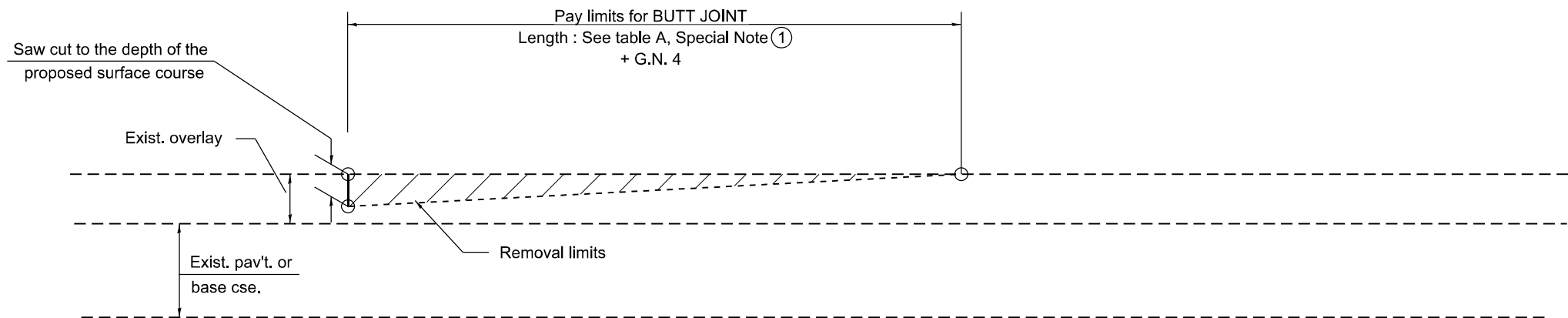
CASE 1 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

**TABLE A
TAPER RATES**

SPECIAL NOTE NUMBER	ELEMENT	MAINLINE INTERSTATES & 4-LANE EXPRESSWAYS	ALL OTHERS
①	BUTT JOINT TAPER RATE	1:480	1:240
②	TEMPORARY RAMP TAPER RATE	1:80	1:40

GENERAL NOTES

1. The work shall be done in accordance with Article 406.08 and the Special Provision for Butt Joints.
2. The pavement surface to be removed may be either bituminous or P.C. concrete. The work shall be performed in accordance with Article 440.04 and the Special Provisions for Butt Joints.
3. The saw cut joints shall be primed just prior to the placing of bituminous material. The work will be in accordance with the applicable portions of Article 406.05.
4. The length of butt joint is based on the taper rate times change in cold milling depth within the butt joint pay limits, unless otherwise indicated.
5. Temporary ramps are paid for separately and not included in the cost of the butt joints.



CASE 2 : NO HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

All dimensions are in inches unless otherwise noted.

MODEL: DA_406.01.01
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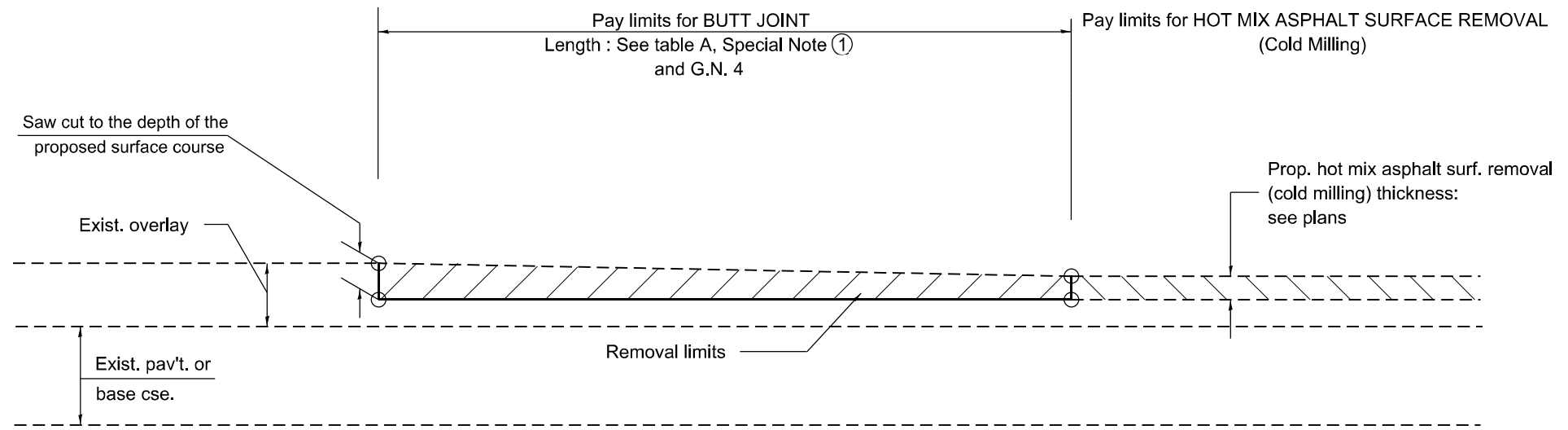
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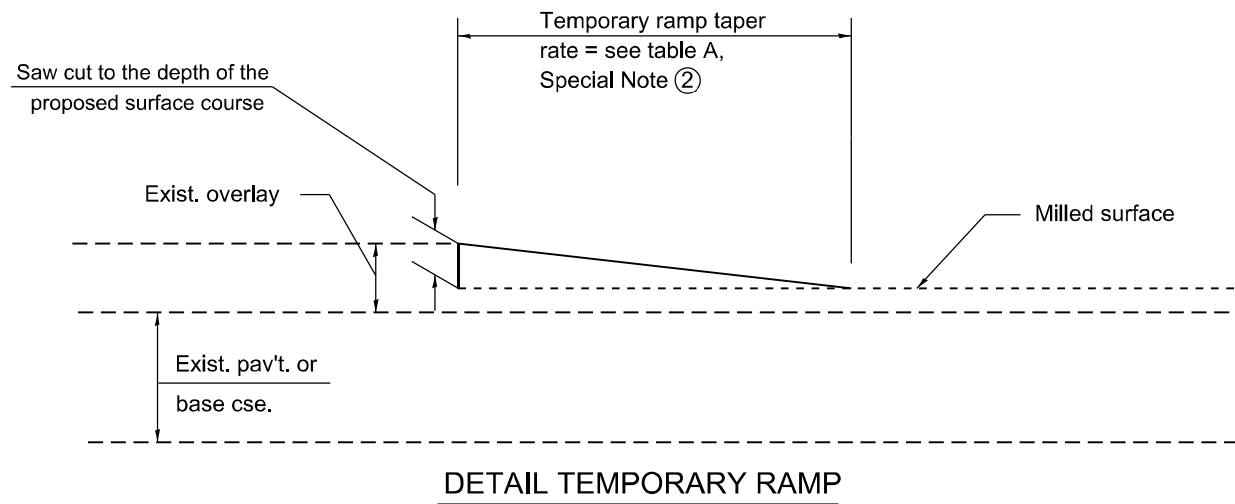
BUTT JOINTS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	137PP-1,RA;102PP-1	FULTON	32	19
DISTRICT 4 STANDARD NO. 406101			CONTRACT NO. 68K90	
ILLINOIS FED. AID PROJECT				



**CASE 3 : HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)
TIE-IN TO EXISTING BITUMINOUS TAPER**



All dimensions are in inches unless otherwise noted.

MODEL: D:\4\06\01\02
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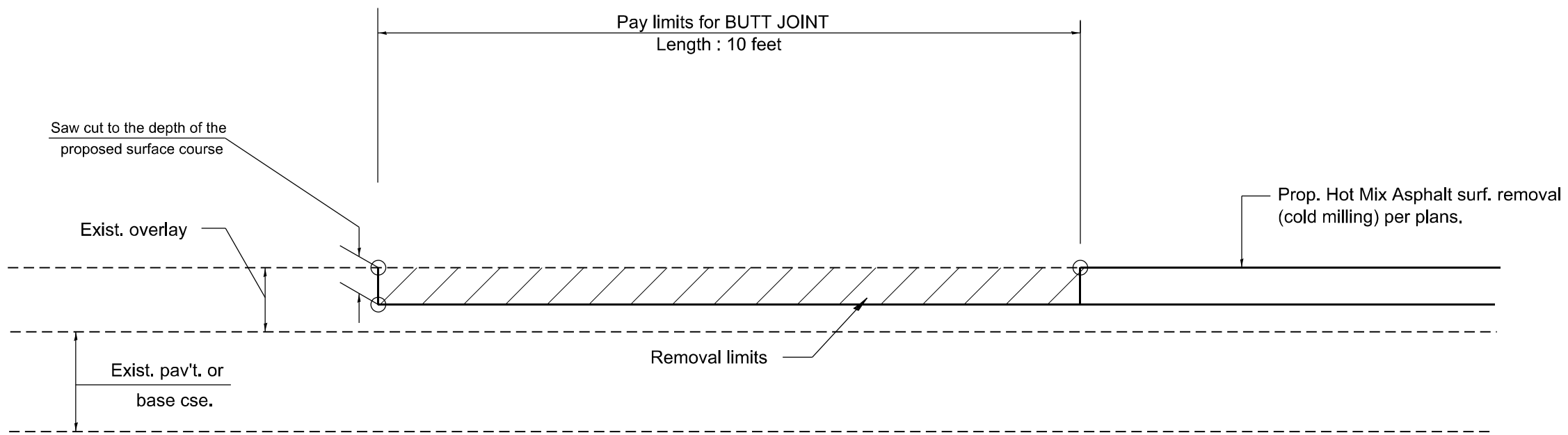


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DRAWN - BCS	REVISED -	
PLOT SCALE = 0.166666' / in.	CHECKED - MBF	REVISED -
PLOT DATE = 3/19/2026	DATE - MARCH 2026	REVISED -

**STATE OF ILLINOIS
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BUTT JOINTS	
SCALE: NTS	SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	137PP-1,RA;102PP-1	FULTON	32	20
DISTRICT 4 STANDARD NO. 406101		CONTRACT NO. 68K90		
ILLINOIS		FED. AID PROJECT		



**CASE 4 : SINGLE LIFT OVERLAY WITH EQUIVALENT DEPTH
HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)
TIE-IN TO EXISTING BITUMINOUS TAPER**

All dimensions are in inches unless otherwise noted.

MODEL: D:\4\06\01\03
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	DRAWN - BCS	REVISED -
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PLOT DATE = 3/19/2026	DATE - MARCH 2026	REVISED -

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BUTT JOINTS			
SCALE: NTS	SHEET 3 OF 3 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	137PP-1,RA;102PP-1	FULTON	32	21
DISTRICT 4 STANDARD NO. 406101		CONTRACT NO. 68K90		
ILLINOIS		FED. AID PROJECT		

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

MODEL: D:\m\p\2022\230924\235 - US 24 - Partial Depth Patching & Daily CADD - DWG\4.7 Tran\CADD Streets\148\80-entb-secs.dgn



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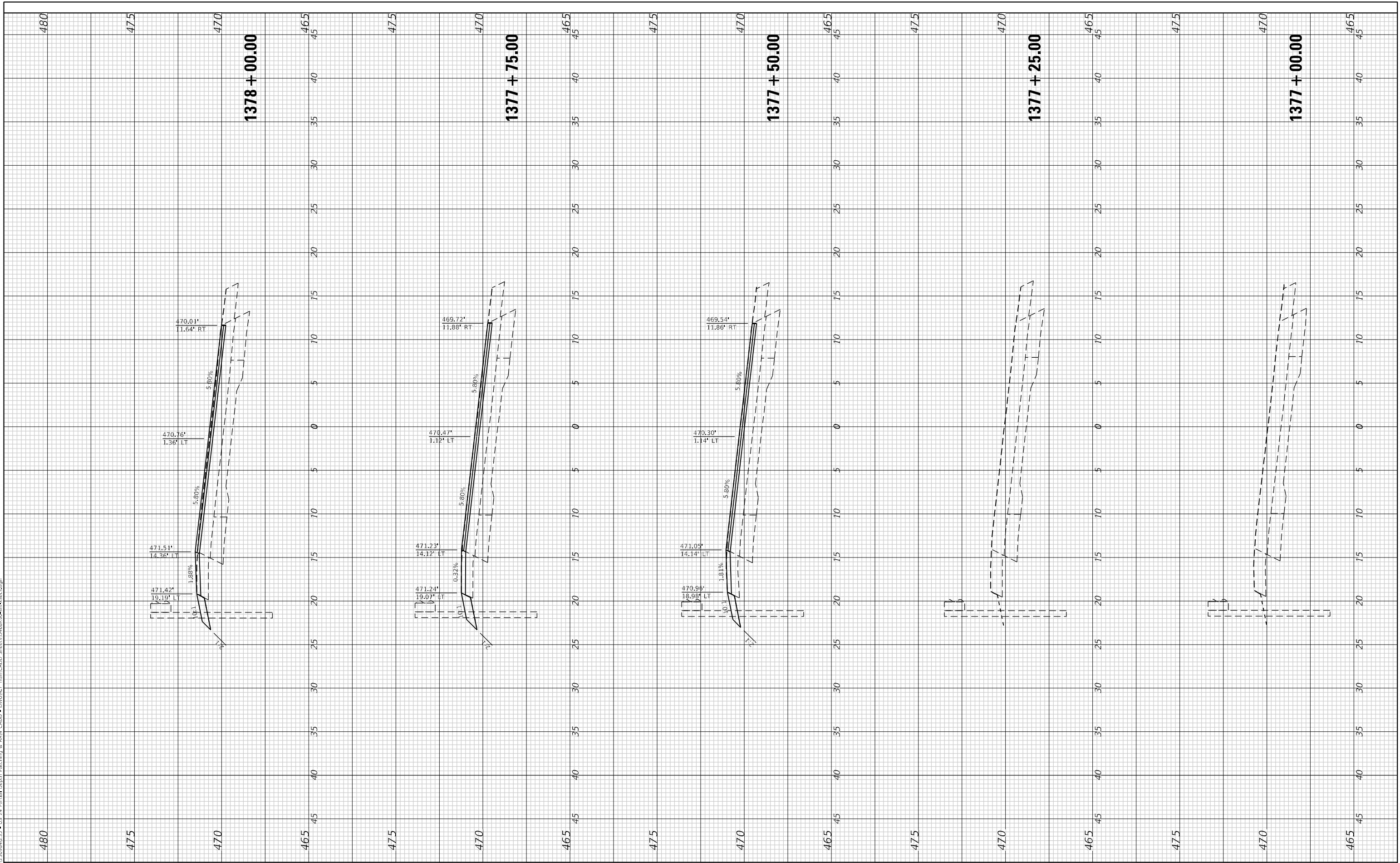
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - US 24

SCALE: 1"=5' SHEET 1 OF 11 SHEETS STA. 1377+00.00 TO STA. 1378+00.00

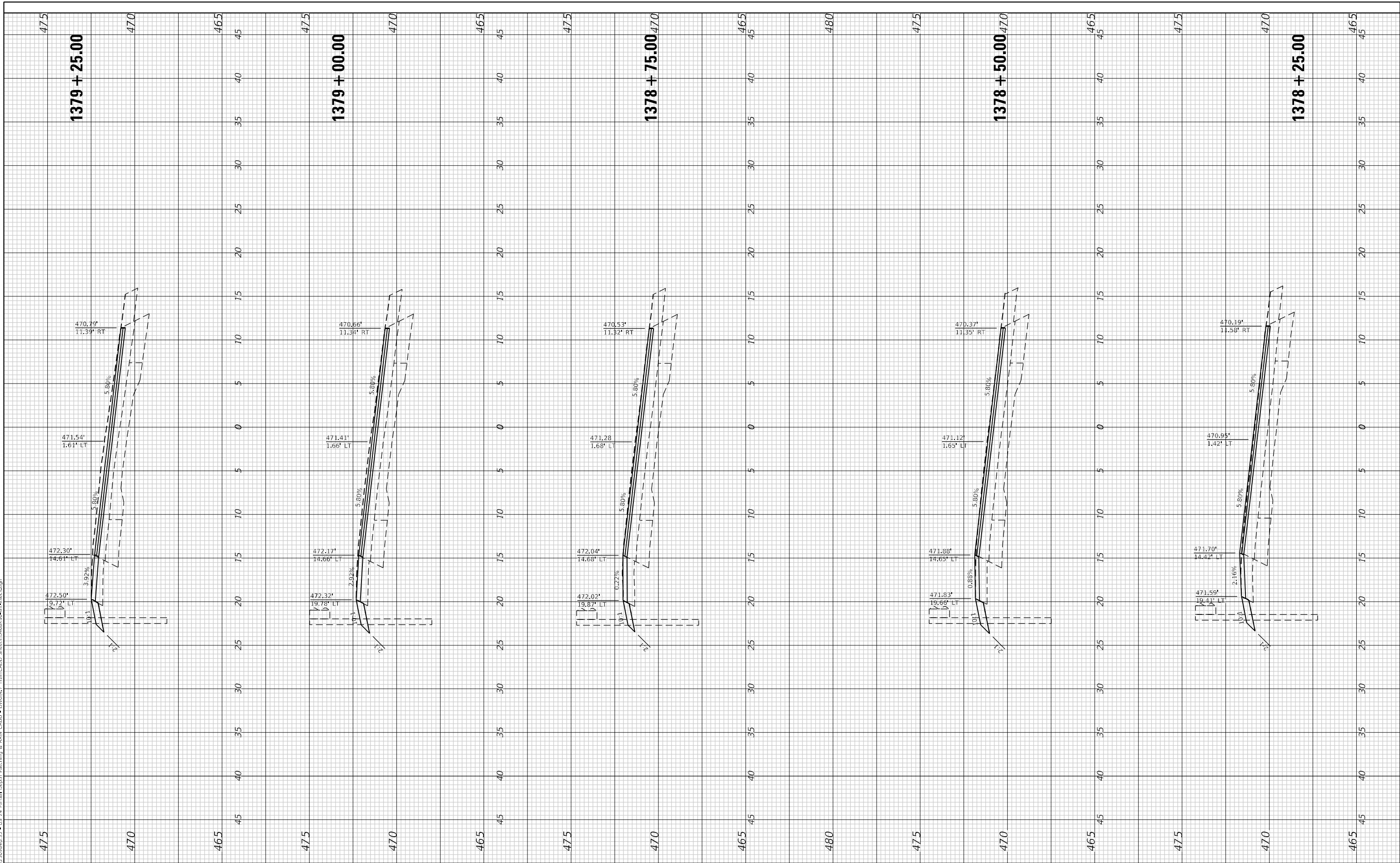
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	137PP-1, RA;102PP-1	FULTON	32	22
CONTRACT NO. 68K90				
ILLINOIS FED. AID PROJECT				



FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

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 IL DESIGN FIRM
 LICENSE NO:
 184-001220

USER NAME = bstambaugh
PLOT SCALE = 10,0000' / in.
PLOT DATE = 3/20/2026

DESIGNED -	REVISD -
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DATE -	REVISD -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

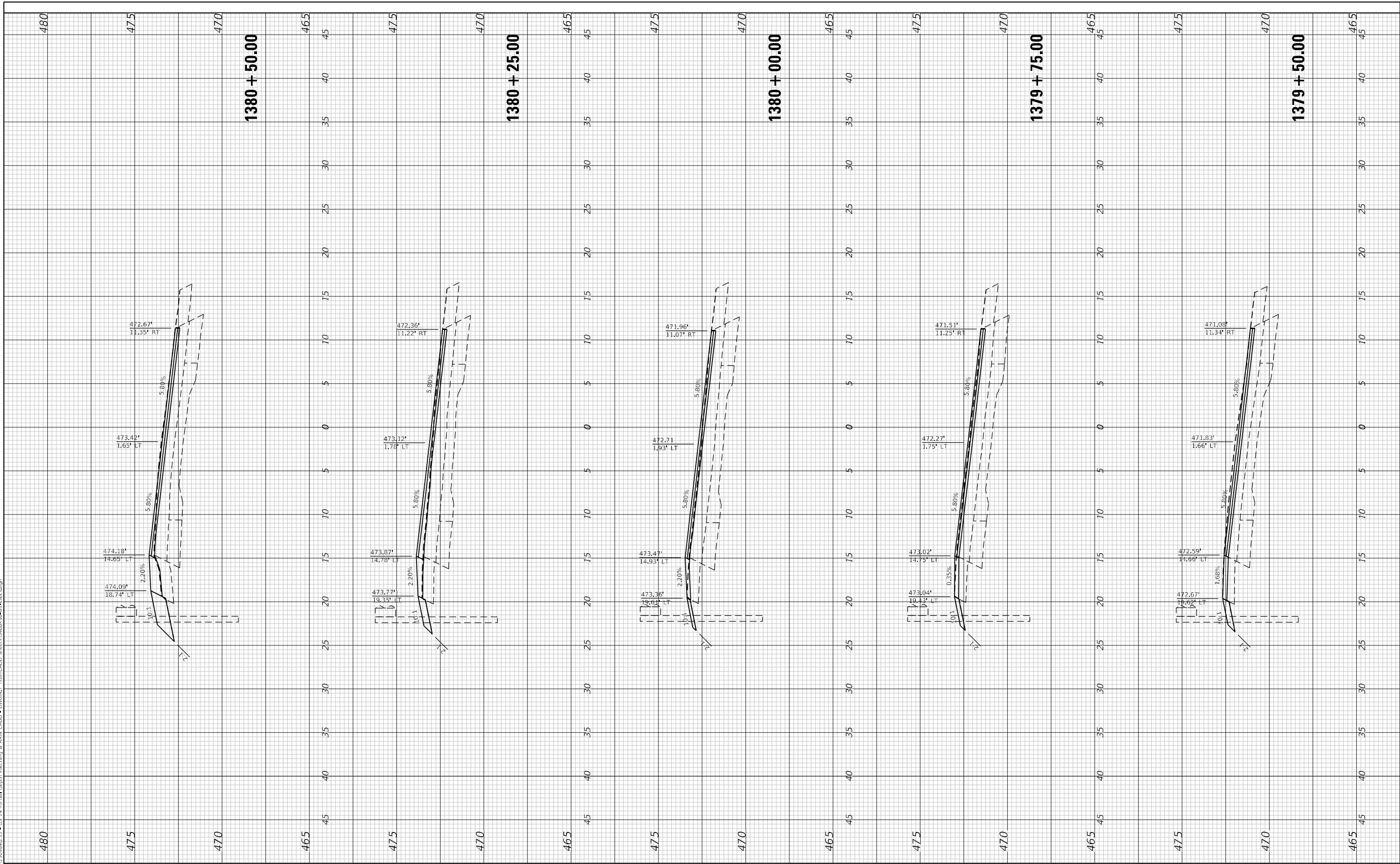
CROSS SECTIONS - US 24	
SCALE: 1"=5'	SHEET 2 OF 11 SHEETS
STA. 1378+25.00 TO STA. 1379+25.00	

F.A.P. RTE. 317	SECTION 137PP-1, RA;102PP-1	COUNTY FULTON	TOTAL SHEETS 32	SHEET NO. 23
CONTRACT NO. 68K90				
ILLINOIS FED. AID PROJECT				

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

ORIGINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
AREAS CHECKED	TEMPLATE	
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MODEL: Defn.rpt
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USER NAME =	bstambaugh
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PLOT SCALE =	10,0000 * / in.
PLOT DATE =	3/20/2026

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DRAWN -	
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DATE -	
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REVISED -	
REVISED -	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - US 24

SCALE: 1"=5' SHEET 3 OF 11 SHEETS STA. 1379+50.00 TO STA. 1380+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	137PP-1, RA;102PP-1	FULTON	32	24
CONTRACT NO. 68K90				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: D:\m\p\2022\23094\235 - US 24 - Partial Depth Patching & Daily CADD - DWG\4.7 Tran\CADD_Sheets\1380+75.00-sec.dgn



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PLOT SCALE =	10,0000' / in.
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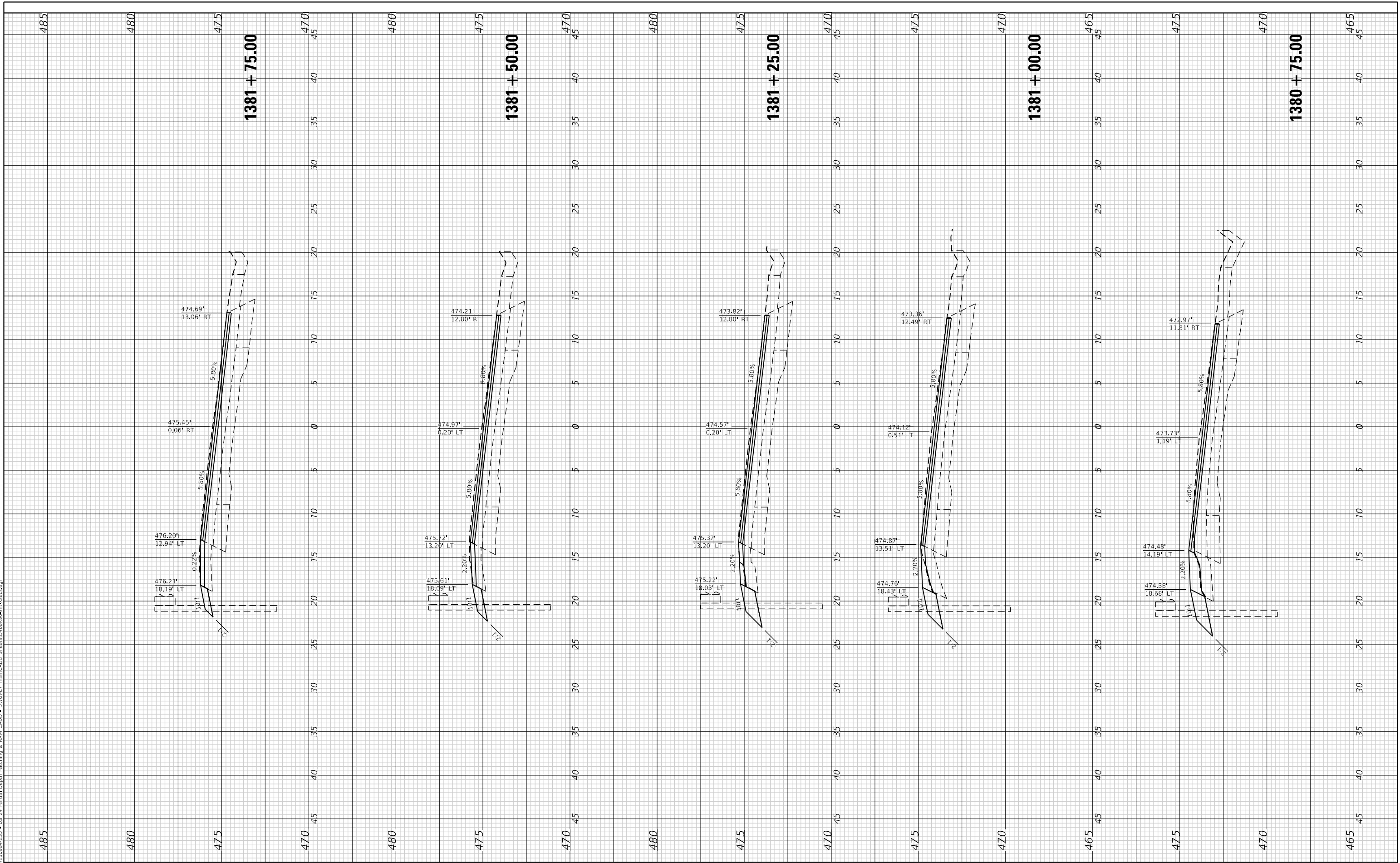
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - US 24

SCALE: 1"=5' SHEET 4 OF 11 SHEETS STA. 1380+75.00 TO STA. 1381+75.00

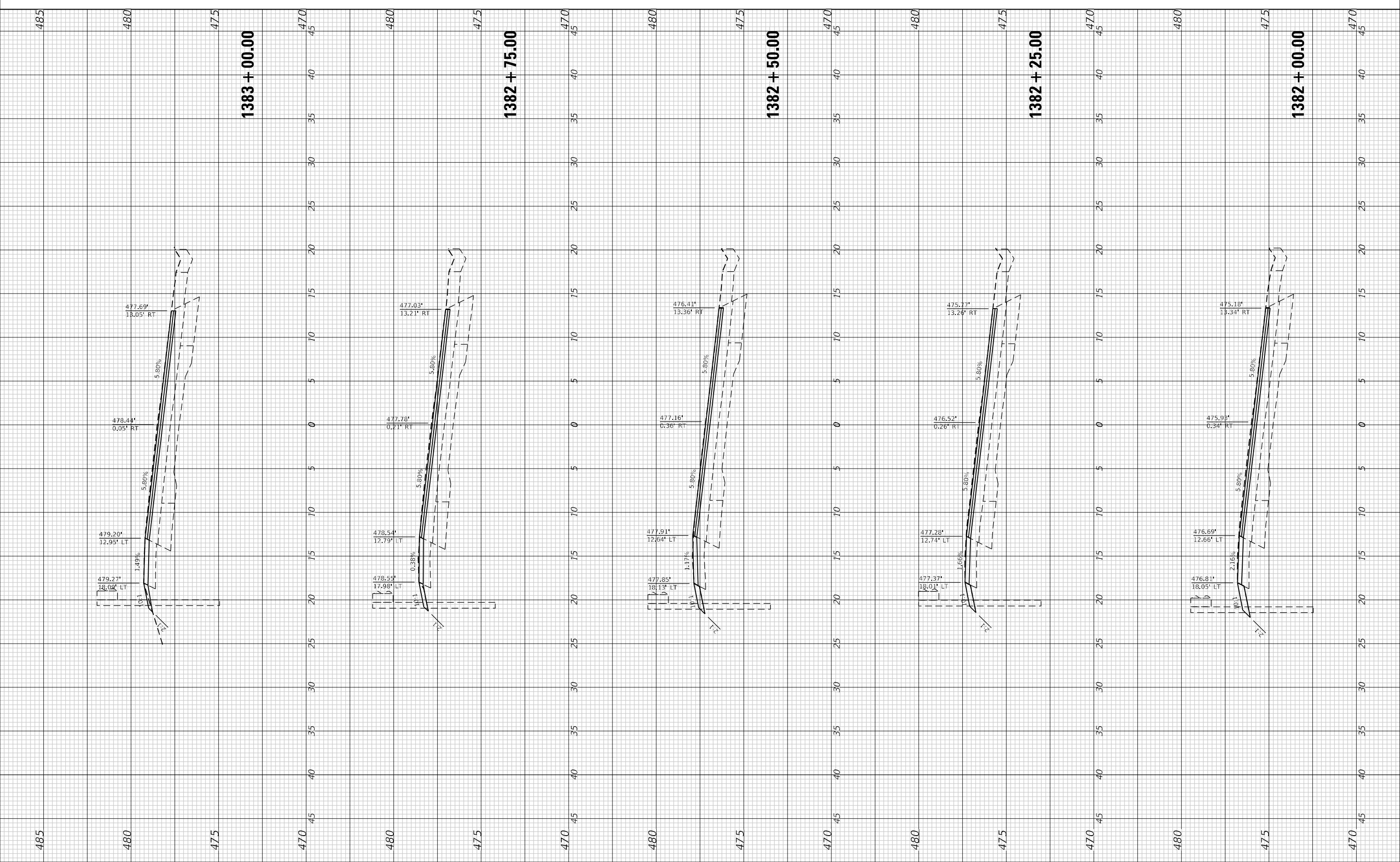
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	137PP-1, RA;102PP-1	FULTON	32	25
CONTRACT NO. 68K90				
ILLINOIS FED. AID PROJECT				



FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

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PLOT SCALE =	10,0000 * / in.
PLOT DATE =	3/20/2026

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCALE: 1"=5'	SHEET 5 OF 11 SHEETS	STA. 1382+00.00 TO STA. 1383+00.00
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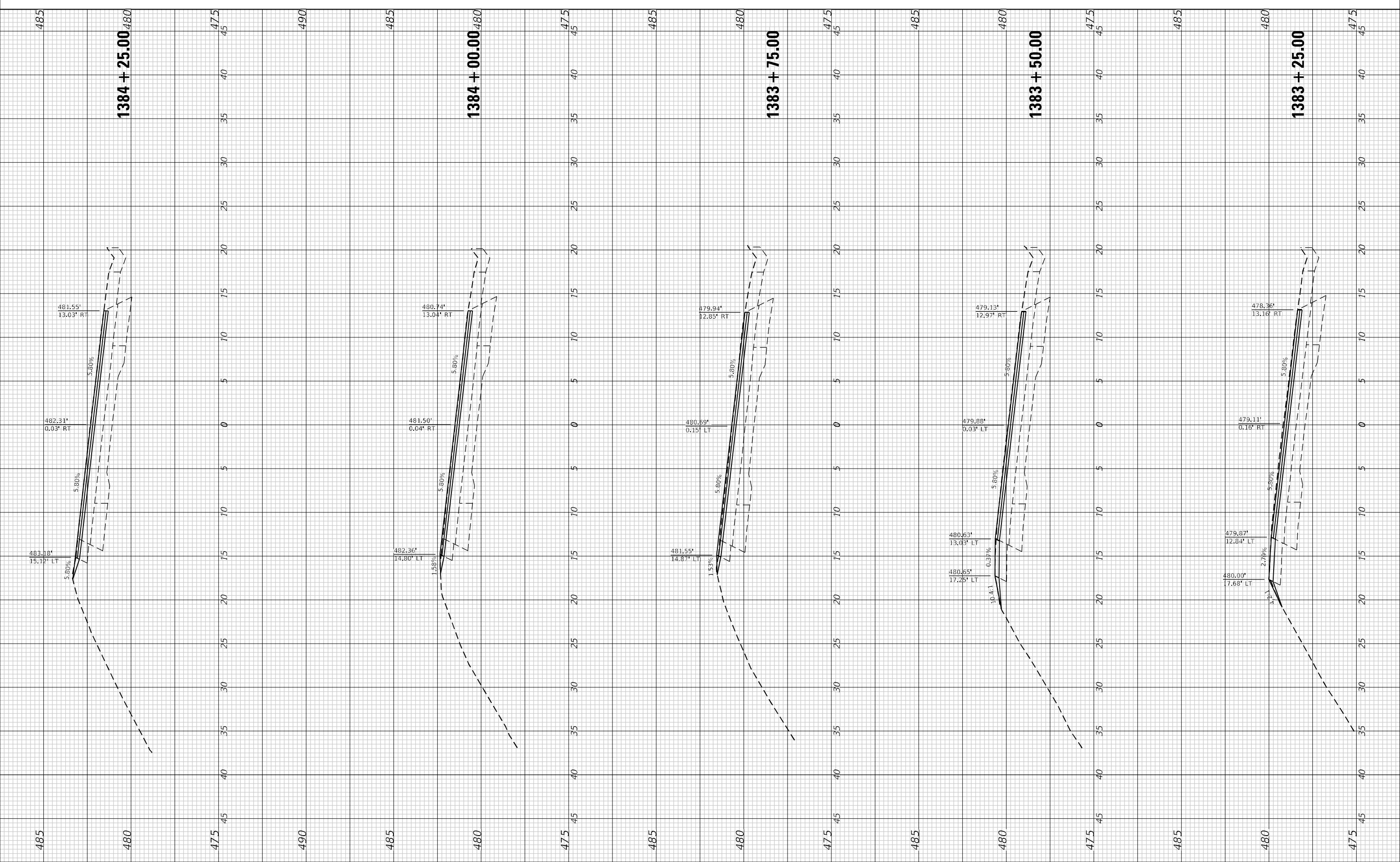
CROSS SECTIONS - US 24

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	137PP-1, RA;102PP-1	FULTON	32	26
CONTRACT NO. 68K90				
ILLINOIS FED. AID PROJECT				

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

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

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 LICENSE NO: 184-001220

USER NAME = bstambaugh	DESIGNED -	REVISED -
PLOT SCALE = 10,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/20/2026	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - US 24

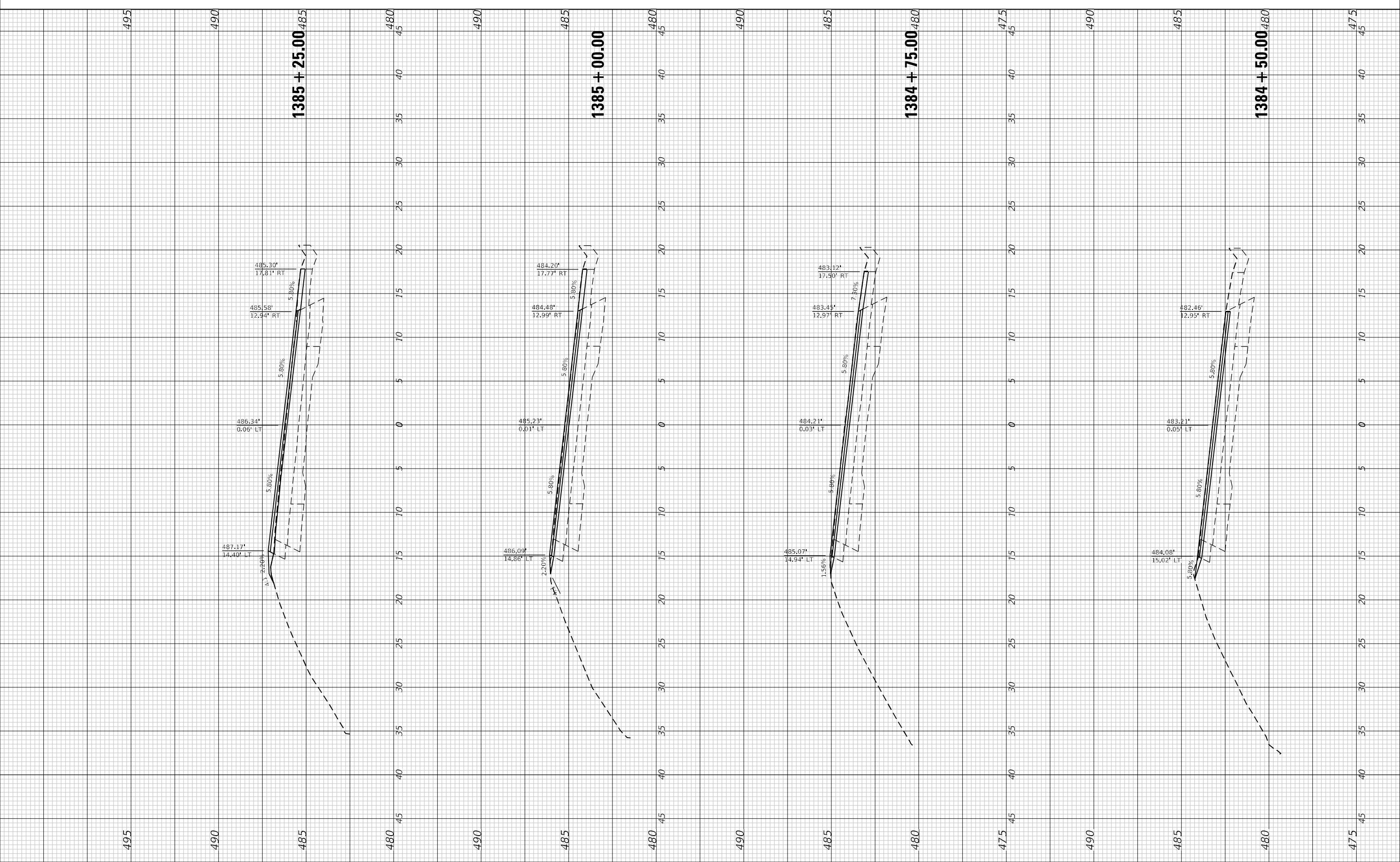
SCALE: 1"=5' SHEET 6 OF 11 SHEETS STA. 1383+25.00 TO STA. 1384+25.00

F.A.P. RTE. 317	SECTION 137PP-1, RA;102PP-1	COUNTY FULTON	TOTAL SHEETS 32	SHEET NO. 27
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68K90	

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

MODEL: D:\m\p\2022\20984\25 - US 24 - Partial Ditch Patching & Drain CADD - DWG\4.7 Tran\CADD_Sheets\1384\90-eths.ccs.dgn



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USER NAME = bstambaugh	DESIGNED -
PLOT SCALE = 10,0000' / in.	DRAWN -
PLOT DATE = 3/20/2026	CHECKED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - US 24

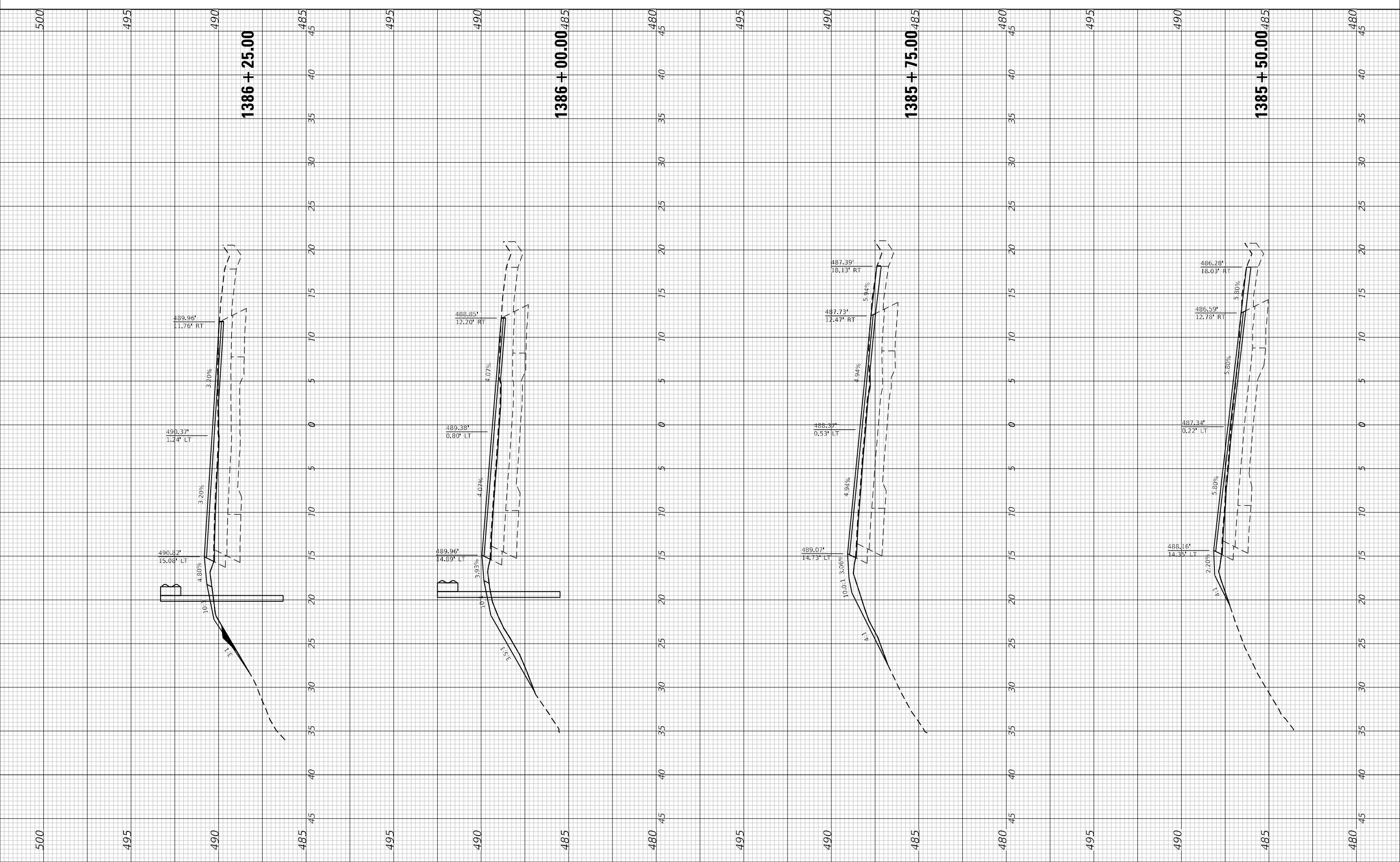
SCALE: 1"=5' SHEET 7 OF 11 SHEETS STA. 1384+50.00 TO STA. 1385+25.00

F.A.P. RTE. 317	SECTION 137PP-1, RA;102PP-1	COUNTY FULTON	TOTAL SHEETS 32	SHEET NO. 28
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68K90	

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

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

MODEL: D:\m\p\2022\20984\25 - US 24 - Partial Depth Patching & Daily CADD - DWG\4.7 Tran\CADD Streets\04836\04836.ctb,cs,csdgn



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LICENSE NO: 184-001220

USER NAME =	bstambaugh
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PLOT SCALE =	10,000.00' / in.
PLOT DATE =	3/20/2026

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - US 24

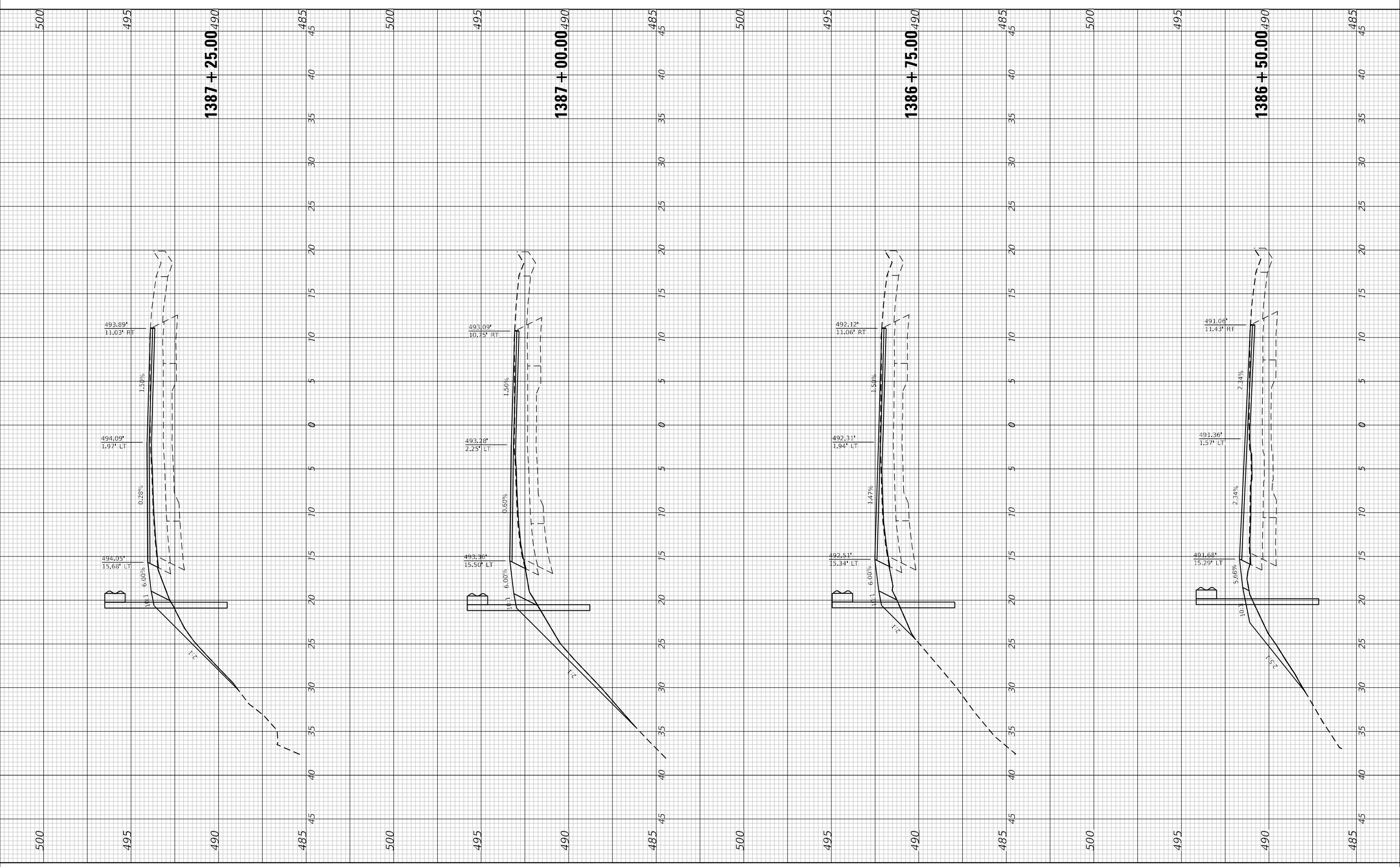
SCALE: 1"=5' SHEET 8 OF 11 SHEETS STA. 1385+50.00 TO STA. 1386+25.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	137PP-1, RA;102PP-1	FULTON	32	29
				CONTRACT NO. 68K90
				ILLINOIS FED. AID PROJECT

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

MODEL: D:\m\p\2022\220984\25 - US 24 - Partial Depth Patching & Daily CADD - DWG\4.7 Tran\CADD Sheets\048\048-entb-sec3.dgn



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 IL DESIGN FIRM LICENSE NO: 184-001220

USER NAME =	bstambaugh
PLOT SCALE =	10,0000 * / in.
PLOT DATE =	3/20/2026

DESIGNED -	
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

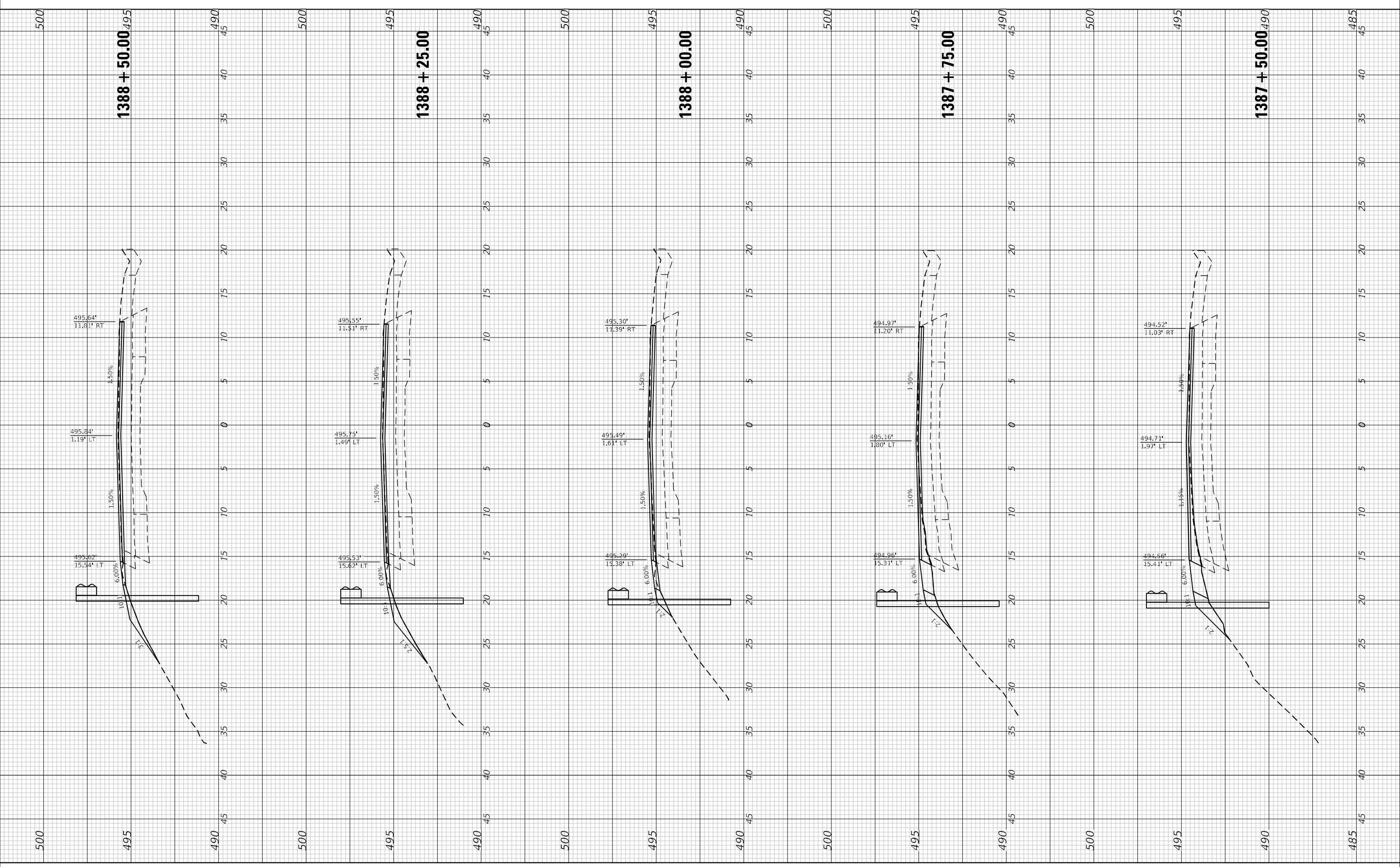
CROSS SECTIONS - US 24	
SCALE: 1"=5'	SHEET 9 OF 11 SHEETS
STA. 1386+50.00	TO STA. 1387+25.00

F.A.P. RTE. 317	SECTION 137PP-1, RA;102PP-1	COUNTY FULTON	TOTAL SHEETS 32	SHEET NO. 30
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68K90	

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

MODEL: D:\m\p\2022\20984\25 - US 24 - Partial Ditch Patching & Drain CADD - DWG\1.7 Tran\CADD Streets\1387+50.00-1388+50.00.dgn



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USER NAME = bstambaugh	DESIGNED -	REVISED -
PLOT SCALE = 10,000" / in.	DRAWN -	REVISED -
PLOT DATE = 3/20/2026	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - US 24

SCALE: 1"=5' SHEET 10 OF 11 SHEETS STA. 1387+50.00 TO STA. 1388+50.00

F.A.P. RTE. 317	SECTION 137PP-1, RA;102PP-1	COUNTY FULTON	TOTAL SHEETS 32	SHEET NO. 31
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68K90	

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

MODEL: D:\m\p\2022\20984\23 - US 24 - Partial Ditch Patching & Drain CADD - DWG\4.7 Tran\CADD_Sheet\1388+75.00-1389+50.00.dgn



USER NAME = bstambaugh	DESIGNED -	REVISD -
PLOT SCALE = 10,0000 * / in.	DRAWN -	REVISD -
PLOT DATE = 3/20/2026	CHECKED -	REVISD -
	DATE -	REVISD -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - US 24

SCALE: 1"=5' SHEET 11 OF 11 SHEETS STA. 1388+75.00 TO STA. 1389+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	137PP-1, RA;102PP-1	FULTON	32	32
CONTRACT NO. 68K90				
ILLINOIS FED. AID PROJECT				

