LETTING DATE 11/21/2028

Bridge Unspecified

IMX-080-2(277)72--02-15

CASS COUNTY

INDEX OF SHEETS	
No.	DESCRIPTION
A Sheets	**Title Sheets**
A.1	Title Sheet
A.2	Location Map Sheet
B Sheets	**Typical Cross Sections and Details**
* B.1 - 5	Typical Cross Sections and Details
D Sheets	**Mainline Plan and Profile Sheets**
* D.1	Plan & Profile Legend & Symbol Information Sheet
* D.2	I-80
E Sheets	**Side Road Plan and Profile Sheets**
* E.1	770th St
F Sheets	**Detour or Temporary Pavement Sheets**
* F.1	Detour Plan and Profile Sheets
G Sheets	**Survey Sheets**
G.1 - 3	Reference Ties and Bench Marks
G.4	Horizontal Control Tab. & Super for all Alignments
J Sheets	**Traffic Control and Staging Sheets**
* J.1	Traffic Control Plan
* J.2 - 4	Staging Cross Sections
* J.5	Traffic Control & Staging Legend & Symbol Info. Sheet
* J.4 - 19	Staging and Traffic Control Sheets
M Sheets	**Storm Sewer Sheets**
* M.1	Storm Sewer Legend & Symbol Information Sheet
* M.2 - 5	Storm Sewer Plan and Profile Sheets I-80
U Sheets	**500 Series, Mod.Stds. and Detail Sheets**
U.1	500 Series, Modified Standards and Detail Sheets
V Sheets	**Bridge and Culvert Situation Plans**
VW.1 - 2	Culvert Cross Sections
W Sheets	**Mainline Cross Sections**
* W.1	Cross Sections Legend & Symbol Information Sheet
* W.2 - 37	I-80
* W.38 - 61	I-80 STG 1 Median
X Sheets	**Side Road Cross Sections**
* X.1 - 3	770th St
	* Color Plan Sheets

IOWA DOT

PLANS OF PROPOSED IMPROVEMENT ON THE

INTERSTATE ROAD SYSTEM

CASS COUNTY

Bridge Unspecified

770th St 1.7 mi E of IA 148 (EB/WB)

SCALES: As Noted

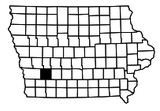
Refer to the Proposal Form for list of applicable specifications.

Value Engineering Saves. Refer to Article 1105.13 of the Specifications.

IOWA ONE CALL
1-800-292-8989
www.iowaonecall.com
811 Know what's below. Call before you dig.

REVISIONS

	TOTAL
	..
PROJECT IDENTIFICATION NUMBER	
23-15-080-020	
PROJECT NUMBER	
IMX-080-2(277)72--02-15	
R.O.W. PROJECT NUMBER	
IMN-080-2(280)72--0E-15	
--	
--	



770th St - AADT 15

DESIGN DATA RURAL			
2028	AADT	25,600	V.P.D.
2048	AADT	33,800	V.P.D.
2048	DHV	3,490	V.P.H.
TRUCKS		41	%
Total Design ESALs		-	

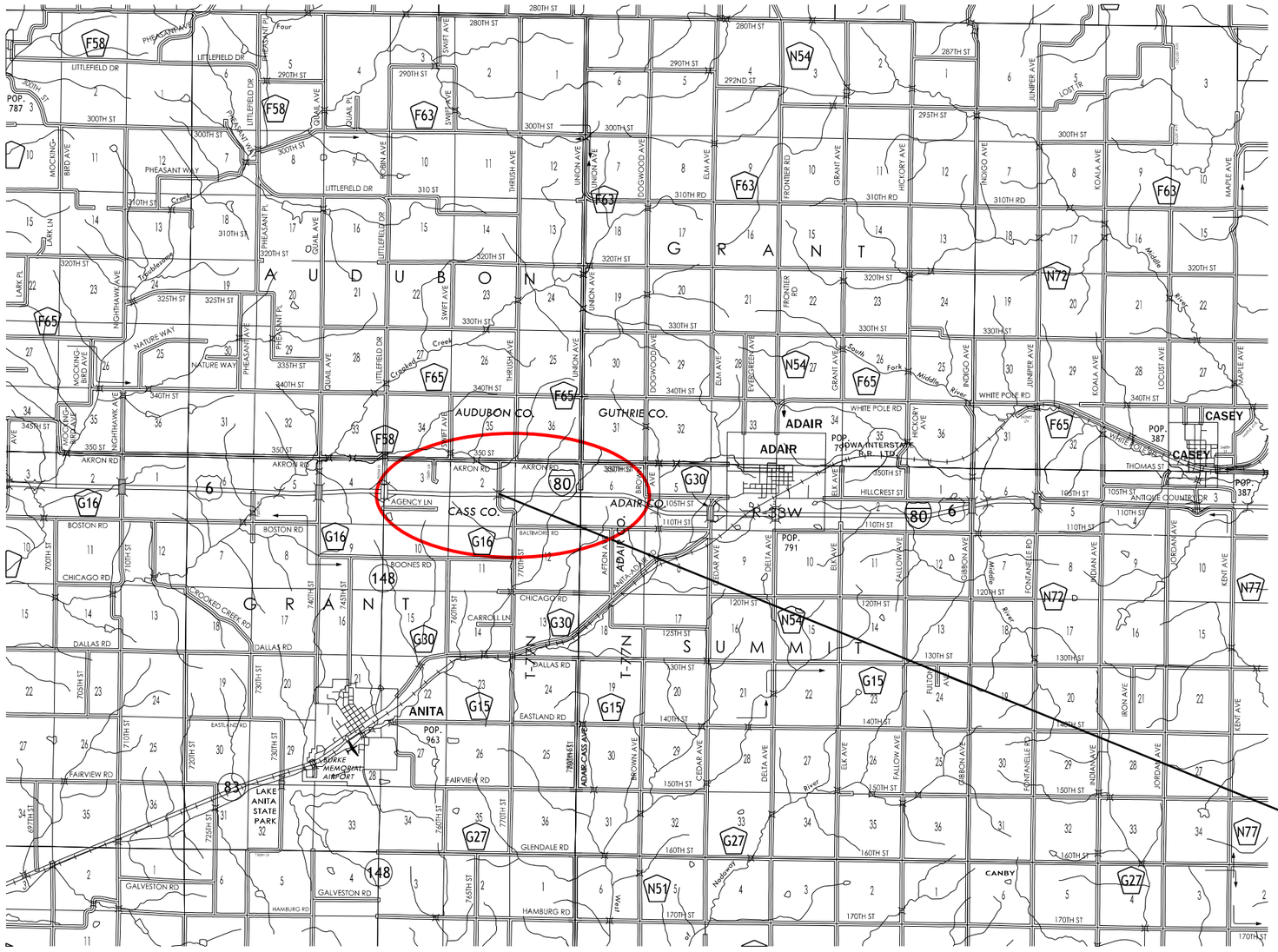
PRELIMINARY PLANS

Subject to change by final design.

D5 PLAN - Date: 10-15-2026

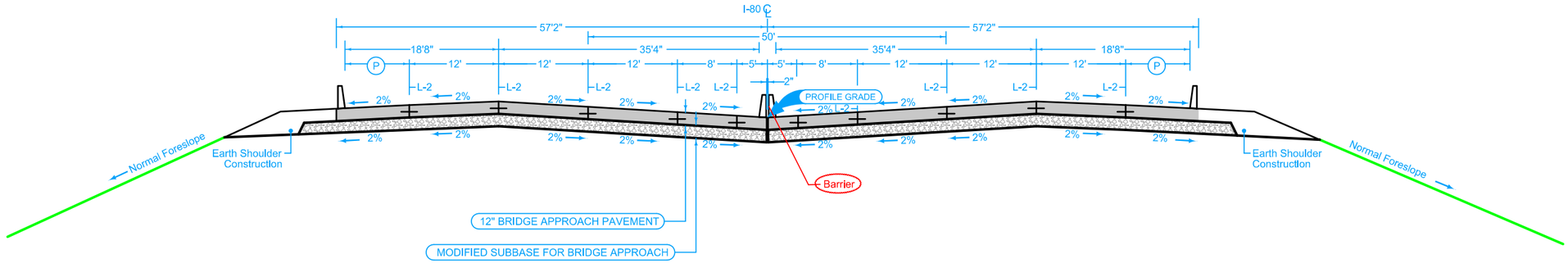
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER A.1

12:41:57 PM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_A01.dgn



FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER A.2

3:14:21 PM 1/27/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_A01.dgn



Full Depth PCC Shoulder

Shoulder Jointing:
Longitudinal joint: BT-2, or L-2
Transverse joints: C at 17' spacing

			4_P_FullPCC_ 04-15-25
Direction of Travel	BEGIN STATION	END STATION	(P) Feet
WB	1231+40.24	1232+12.01	6' 8"
WB	1234+04.01	1234+75.79	6' 8"

Mainline Jointing:
Transverse joints: CD at 17' spacing
Longitudinal joints: L-2 or BT-2

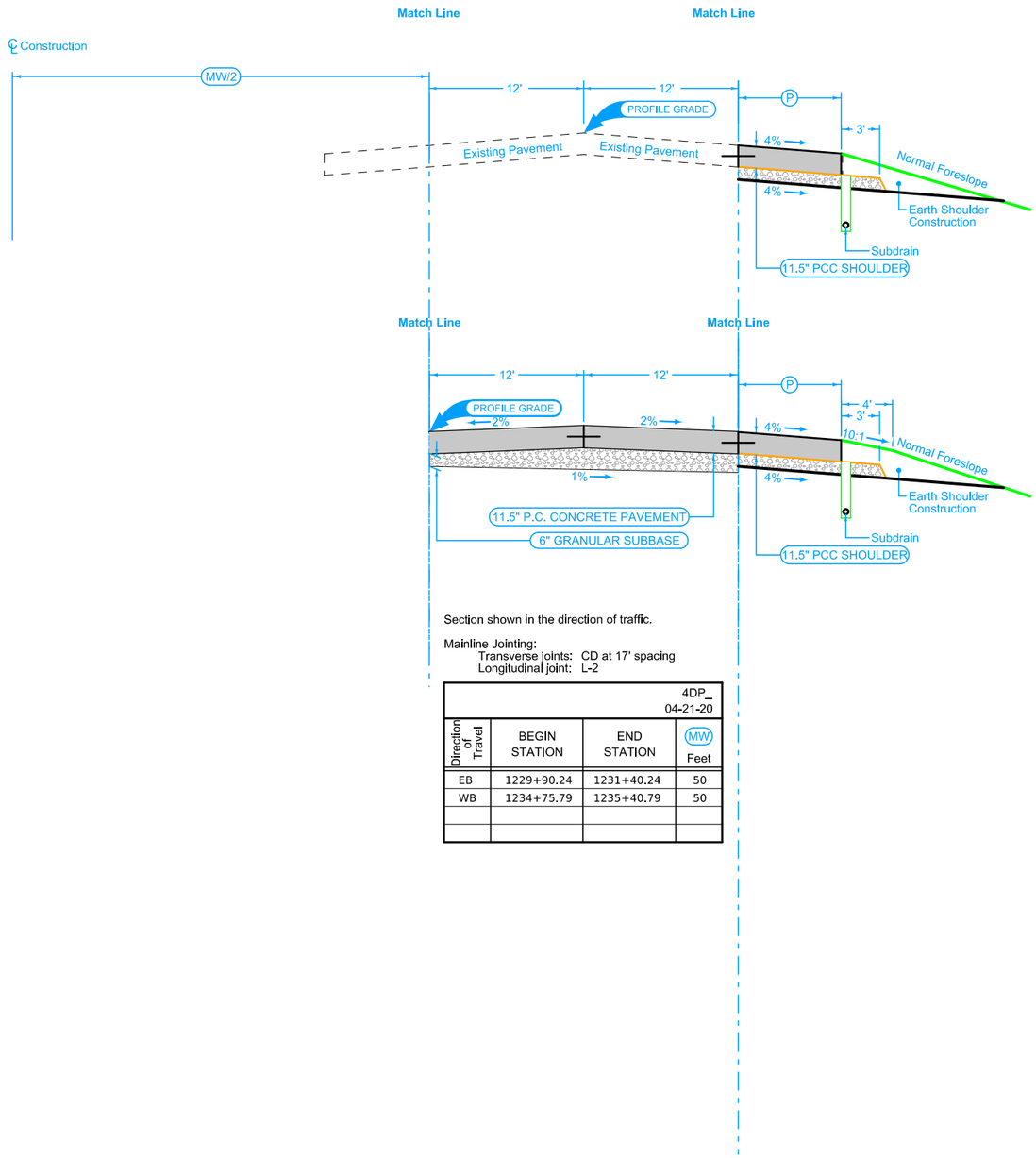
	6DP_Closed_ Modified
BEGIN STATION	END STATION
1231+40.24	1232+12.01
1234+04.01	1234+75.79

Full Depth PCC Shoulder

Shoulder Jointing:
Longitudinal joint: BT-2, or L-2
Transverse joints: C at 17' spacing

			4_P_FullPCC_ 04-15-25
Direction of Travel	BEGIN STATION	END STATION	(P) Feet
EB	1231+40.24	1232+12.01	6' 8"
EB	1234+04.01	1234+75.79	6' 8"

BRIDGE APPROACH PAVING
I-80



Section shown in the direction of traffic.

Mainline Jointing:
Transverse joints: CD at 17' spacing
Longitudinal joint: L-2

4DP_
04-21-20

Direction of Travel	BEGIN STATION	END STATION	(MW) Feet
EB	1229+90.24	1231+40.24	50
WB	1234+75.79	1235+40.79	50	

Full Depth PCC Shoulder

Shoulder Jointing:
Longitudinal joint: BT-2, or L-2
Transverse joints: C at 17' spacing

4_P_FullPCC_
04-15-25

Direction of Travel	BEGIN STATION	END STATION	(P) Feet
EB	1225+55.00	1227+55.01	10
EB	1234+75.79	1235+00.65	8.3-10
EB	1235+00.65	1240+15.00	10
WB	1225+55.00	1231+15.38	10
WB	1231+15.38	1231+40.24	8.3-10
WB	1237+36.04	1240+15.00	10

Full Depth PCC Shoulder at Guardrail

PCC Shoulder Jointing:
Longitudinal joint: BT-1 or BT-5
Transverse joints: C at mainline spacing
HMA Shoulder Jointing:
Longitudinal joint: B

4_P_FullPCC_
04-15-25

Direction of Travel	BEGIN STATION	END STATION	(P) Feet
EB	1227+55.00	1231+40.24	Vari.
WB	1234+75.79	1237+36.04	Vari.

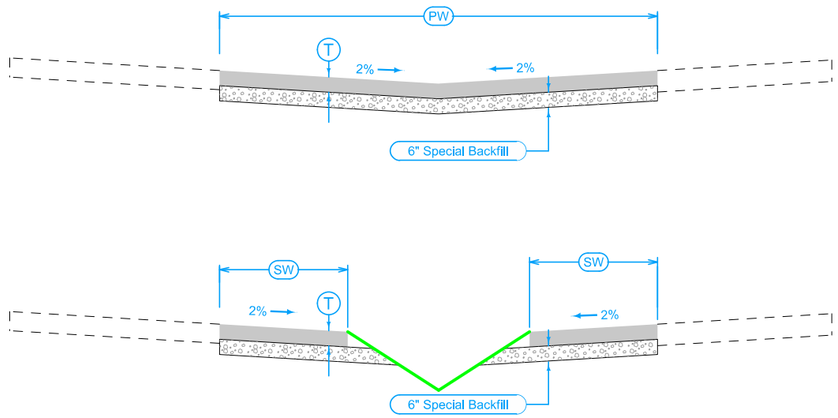
See Tab 100-24 or 100-25 for pavement quantities.
See Tab 112-9 for shoulder quantities.

LOCATION			DIMENSIONS						6" Special Backfill	Earth Shoulder Construction
ROAD IDENTIFICATION	STATION TO STATION		HMA			PCC				
			(PW) Feet	(SW) Feet	(T) Inches	(PW) Feet	(SW) Feet	(T) Inches	Tons/Station	Station
I-80	1222+20.00	1231+40.00			NA			11.5		
I-80	1236+76.00	1243+00.00			NA			11.5		

Quantity calculations based on vertical pavement edges.

Normal section shown may be modified appropriately in areas of superelevated curves or other locations specifically designated by the Engineer.

(1) Possible HMA 1:1 slope



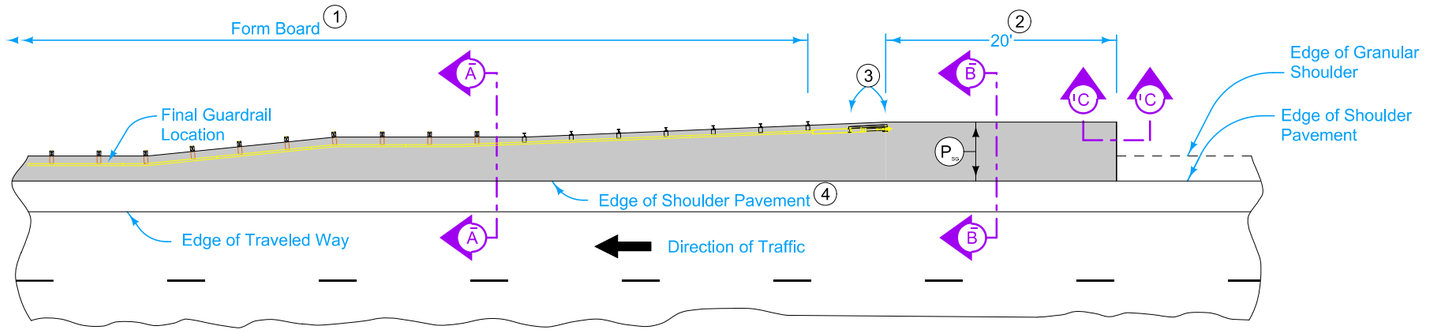
D_Detour
Modified

DETOUR PAVING

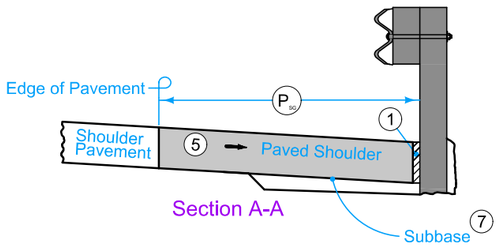
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER B.3	

10:17:57 AM 4/3/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_B01.dgn

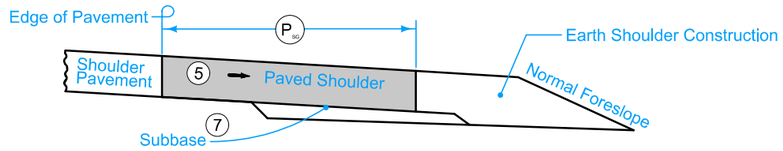
7157
Modified



PLAN VIEW

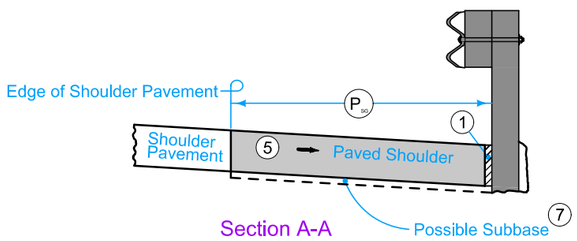


Section A-A

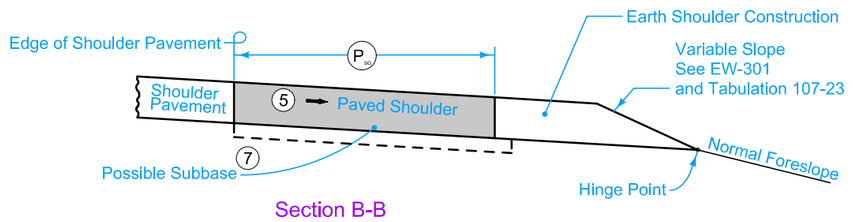


Section B-B

NEW CONSTRUCTION 6



Section A-A



Section B-B

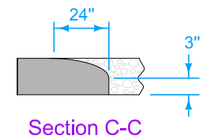
EXISTING SHOULDER

Full depth Paved Shoulder at guardrail.

Match mainline pavement joint spacing. When mainline pavement is 8" or greater in thickness, place additional transverse 'C' joints in shoulder at mid-panel of the mainline pavement. Place longitudinal 'C' joint at P/2 from edge of mainline pavement when P is greater than 10' wide. Terminate longitudinal joint at transverse joint less than 10' in length.

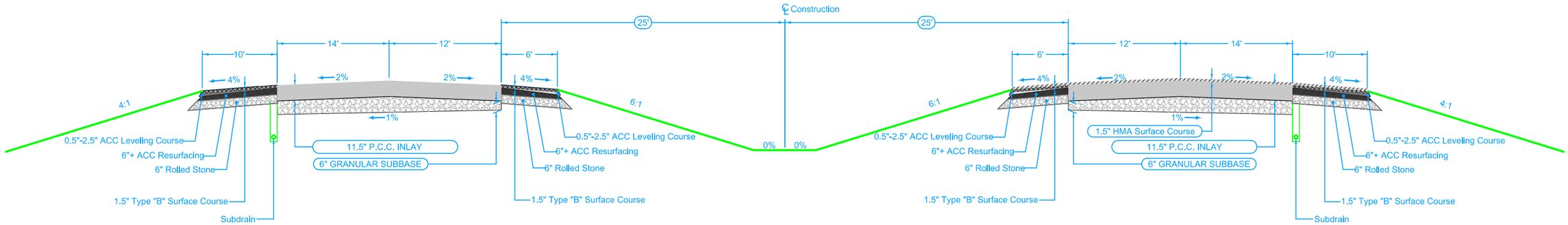
Refer to Tabulation 112-9 for shoulder quantities.

1. PCC option only: When guardrail posts are installed prior to construction of PCC paved shoulder, fasten form board to the face of guardrail posts for the length shown.
2. Continue paved shoulder 20 feet beyond the center of the first post.
3. Shoulder may be notched for first 2 posts or post sleeves may be installed through pavement. Do not drive posts through pavement.
4. 'BT' (per PV-101) joint for PCC shoulder.
5. Match shoulder slope.
6. The Contractor has the option to pave the paved shoulder at guardrail and the partial width paved shoulder as one operation.
7. Refer to other details in the plan.



Section C-C
Roll down at granular shoulder or earth.

PAVED SHOULDER AT GUARDRAIL
(ADJACENT TO PARTIAL WIDTH PAVED SHOULDER)



Existing I-80
For Information Only

FILE NO. **32687**	ENGLISH	DESIGN TEAM **Strum/Janus**	**CASS** COUNTY	PROJECT NUMBER **IMX-080-2(277)72--02-15**	SHEET NUMBER **B.5**	

10:17:59 AM 4/3/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_B01.dgn

SURVEY SYMBOLS

- Interstate Highway Symbol
- U.S. Highway Symbol
- Iowa Highway Symbol
- County Road Highway Symbol
- Evergreen Tree
- Deciduous Tree
- Fruit Tree
- Shrub (Bushes)
- Timber
- Hedge
- Stump
- Swamp
- Rock Outcrop
- Broken Concrete
- Revetment (Rip Rap)
- Cemetery
- Grave
- Cave
- Sink Hole
- Board Fence
- Chain Link or Security Fence
- Wire Fence
- Terrace
- Earth Dam or Dike (Existing)
- Tile Outlet
- Edge of Water
- Existing Drainage
- Right of Way Rail or Lot Corner
- Concrete Monument
- Well
- Windmill
- Beehive Intake
- Existing Intake
- Existing Utility Access (Manhole)
- Fire Hydrant
- WH Water Hydrant (Rural)
- ST Septic Tank
- C Cistern
- LP L.P. Gas Tank (No Footing)
- UST Underground Storage Tank
- Latrine
- Satellite TV Dish
- WHU Water Hook Up
- RT Radio Tower
- TA Tower Anchor
- Guardrail (Beam or Cable)
- GP Guard Post (one or two)
- Guard Post (over two)
- FP Filler Pipe
- GV Gas Valve
- WV Water Valve
- SL Speed Limit Sign
- MM Mile Marker Post
- SIGN Sign
- TCB Traffic Signal Control Box
- RRB Rail Road Signal Control Box
- TSB Telephone Switch Box
- EB Electric Box

UTILITY LEGEND

- E3(C) EL3C, Guthrie County Rural Electric - Quality C
- FO(C) FO1C, Iowa Communications Network - Quality C
- FO2(C) FO2C, West Iowa Telephone - Quality C
- FO FO1D, Iowa Communications Network - Quality D
- FO2 FO2D, West Iowa Telephone - Quality D

PLAN VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS

LINEWORK	Design Color No.		
Green	(2)	Existing Topographic Features and Labels	
Blue	(1)	Proposed Alignment, Stationing, Tic Marks, and Alignment Annotation	
Magenta	(5)	Existing Utilities	
SHADING	**Design Color No.**		**Transparency**
Pink, Dark	(13)	Temporary Pavement Shading	50%
Yellow	(4)	Proposed Pavement Shading	50%
Orange	(6)	Proposed Granular Shading	50%
Orange	(70)	Proposed Shoulder Granular Shading	50%
Yellow	(68)	Proposed Shoulder Paved Full Depth Shading	50%
Yellow	(132)	Proposed Shoulder Paved Partial Depth Shading	50%
Brown, Light	(236)	Grading Shading	50%
Orange, Light	(134)	Proposed Granular Entrance Shading	50%
Yellow	(220)	Proposed Paved Entrance Shading	50%
Tan	(8)	Proposed Sidewalk Shading	50%
Blue, Light	(230)	Proposed Sidewalk Landing Shading	50%
Pink	(11)	Proposed Sidewalk Ramp Shading	50%
Red	(3)	Proposed Structure Shading	50%
Red	(3)	Delineates Restricted Areas	0%

PROFILE VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS

LINEWORK	Design Color No.	
Green	(10)	Existing Ground Line Profile
Blue	(1)	Proposed Profile and Annotation
Magenta	(5)	Existing Utilities
Blue, Light	(230)	Proposed Ditch Grades, Left
Black	(0)	Proposed Ditch Grades, Median
Rust	(14)	Proposed Ditch Grades, Right

- Reference Point / Station — Survey Line
- Section Corner
- Ground Line Intercept
- Saw Cut
- Guardrail
- Trench Drain
- HighTension Cable Guardrail
- Sheet Pile
- Pavement Removal
- Clearing & Grubbing Area

RIGHT-OF-WAY LEGEND

- Proposed Right-of-Way Symbol
- Proposed Right-of-Way Line
- Existing Right of Way
- Existing and Proposed Right-of-Way
- Easement and Existing Right-of-Way
- Easement (Temporary) Symbol
- Easement (Temporary) Line
- Easement
- C/A Access Control
- Property Line Symbol
- Property Line

PLAN AND PROFILE LEGEND AND SYMBOL INFORMATION SHEET

(COVERS SHEET SERIES D, E, F, & K)

FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER D.1

8:45:16 AM 1/28/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_LGD.dgn

STA 1225+25
Install 24" x 58' RCP (Trenchless)
F.L. = Lt. 1415.40
Rt. 1415.19
Other. 1415.80

STA 1225+55.00 (ML080)
BEGIN CONSTRUCTION

Sta. 1231+50.91
18"X62' RCP w/ 19.5'-30"
CPP EXTENSION
Remove

770th St

STA. 1233+05.51
189' x 54' Pretensioned
Prestressed Conc. Beam Bridge

STA. 1233+09.09
189' x 54' Pretensioned
Prestressed Conc. Beam Bridge

Sta. 1244+99.18
24"X77' RCP
U.A.C.

STA 1240+61.00 (ML080)
END CONSTRUCTION

1220+00 1225+00 1230+00 1235+00 1240+00 1245+00

STA 1229+90.24 (ML080)
RUNOUT

STA 1235+40.79 (ML080)
RUNOUT

Sta. 1232+78.32
Skew 3° LT
30"X184' RCP
Remove

Install 30" x 172' RCP
F.L. = Lt. 1383.63
Rt. 1376.77

Sta. 1233+34.65
Skew 3° LT
30"X192' RCP
Remove

Install 30" x 180' RCP
F.L. = Lt. 1384.00
Rt. 1377.80

0 100 FEET

TIE IN I-80 WB
STA 1231+40.24
EL 1412.58

TIE IN I-80 EB
STA 1234+75.79
EL 1408.84

I-80 WB
EL 1408.73

I-80 EB
EL 1412.32

3"
1.3"
1.11%

-2.04% MED Ditch Grade
+0.44% MED Ditch Grade

MED +25
1418.44

MED +25
1416.40

MED +05
1417.20

-2.73% LT Ditch Grade
-0.98% LT Ditch Grade

LT +00
1402.15

LT +62
1397.72

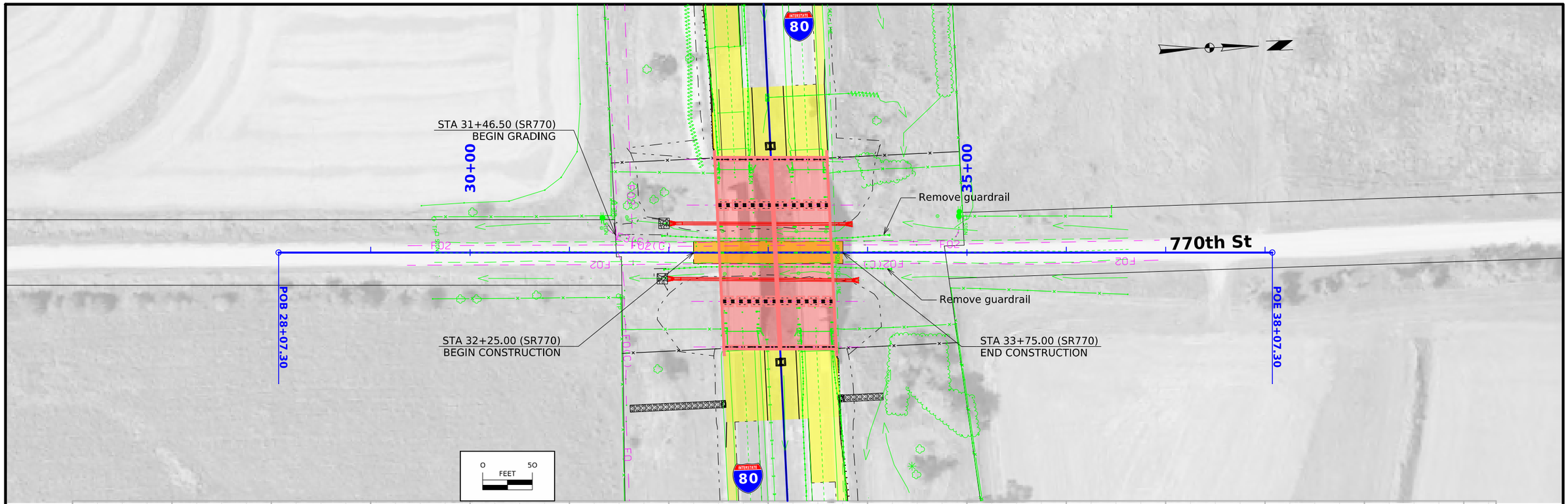
LT +00
1393.41

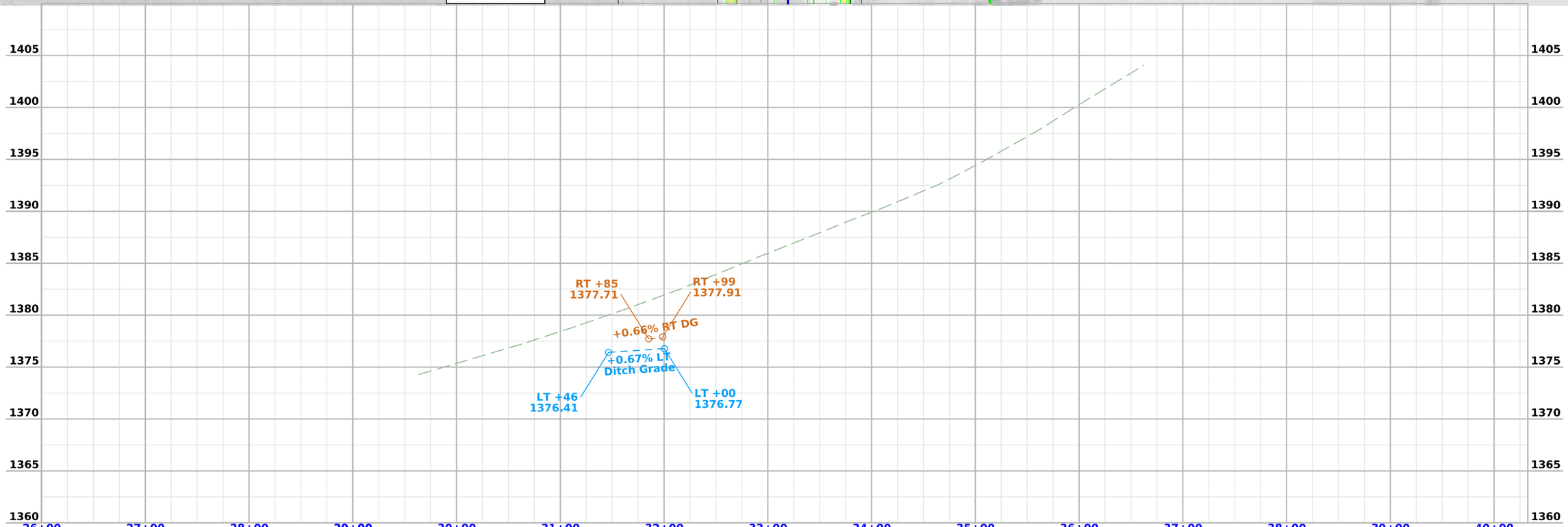
1450 1440 1430 1420 1410 1400 1390 1380 1370 1360

1412.58 1412.47 1412.19 1411.91 1411.63 1411.35 1411.08 1410.80 1410.52 1410.24 1409.96 1409.68 1409.40 1409.13 1408.85

FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER D.2

8:20:15 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_D02.dgn





FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER E.1	

8:33:51 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_E01.dgn

Sta. 1231+50.91
18"X62' RCP w/ 19.5'-30" CPP EXTENSION (Fair Condition)
Remove

770th St

STA 1223+20.00 (ML080)
BEGIN CONSTRUCTION

STA 1231+40 (ML080)
STOP DETOUR

1220+00

1225+00

1230+00

INTERSTATE 80

STA: 1226+84.16

F02

F0

F0(C)

Sta. 1232+78.32
Skew 3° LT
30"X184' RCP (Poor Condition)
Remove

0 50
FEET

I-80 DETOUR

FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER F.1	

8:40:03 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_F01.dgn

770th St

STA 1234+76 (ML080)
RESUME DETOUR

STA 1243+00.00 (ML080)
END CONSTRUCTION

1235+00

1240+00

1245+00

INTERSTATE 80

Sta. 1233+34.65
Skew 3° LT
30"X192' RCP (Fair Condition)
Remove

0 50
FEET

I-80 DETOUR

FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER F.2	

8:40:06 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_F01.dgn

SURVEY INDEX

Cass County
PIN 23-15-080-020
Project Number: IMX-080-2(277)72--02-15
Location: I-80, 770th St 1.7 mi E of IA 148 (EB/WB)
Type of Work: Preliminary Engineering Survey
Project Directory: 1508002023

Survey Personnel

Carson Lay, PLS – Survey Crew Chief	Primary Control, Secondary Control, Alignment Survey, Topographic Survey, Utility Survey
James Degenhardt, PLS - Survey Crew	Primary Control, Secondary Control, Alignment Survey, Topographic Survey, Utility Survey
Evan McCarthy - Survey Crew	Topographic Survey
Phillip Marshall – Survey Crew	Topographic Survey
Kevin Flood, IA PLS – Project Manager	Project Management

Date(s) of Survey

Field Survey	August 19, 2025 – September 17, 2025

General Information

Survey to support planning and design efforts of Iowa DOT Project IMX-080-2(277)72--02-15 located in Cass County, Iowa. General project limits are along Interstate 80 approximately 1,300 feet East and West of the I-80 bridge over 770th Street and along 770th Street approximately 330 feet North and South of Interstate 80. Survey services included establishing primary and secondary control, establishing existing roadway alignments, a utility survey, and a full DTM topographic survey.

Utility Information

For logging data and other utility details see the utility report, Iowa One Call ticket information, and Iowa One Call member correspondence and provided information in the prelim survey project directory.

Project Control

The Iowa RTN system was utilized to establish horizontal coordinates on primary control points. Three five-minute observations were taken with a minimum two-hour time span between each observation and used in a weighted average to obtain final horizontal coordinate values. Vertical coordinates were established by running closed circuits with a digital level. The level circuit was then least-squares adjusted to establish final vertical coordinates.

PROJECT DATUM: NAD83(2011) EPOCH 2010 (IaRTN 2019 ADJUSTMENT)
COORDINATE SYSTEM: IOWA REGIONAL COORDINATE SYSTEM ZONE 7 (U.S. SURVEY FOOT)
VERTICAL DATUM: NAVD88
GEOID: GEOID18

Alignment Information

The horizontal alignment for this survey is a retracement of I-80 (As-built plan no. 80-2(8)70).

The I-80 alignment computed by Iowa DOT and shown in file DIS_15080280Z07.dgn was confirmed with found existing field monumentation.

770th Street South stationing was equated to plan P.O.T. Sta. 1233+07.3 (80-2(8)70) = Sta. 1233+07.31 (this survey) equals 30+00.00. Recovered 5/8" pin, 0.08' South of I-80 alignment. Tangent was extended Southerly parallel to the computed 770th Street right of way in Iowa DOT file DIS_15080280Z07.dgn to Station 25+00.00.

770th Street North stationing was equated to Sta. 1233+06.30 (this survey) equals 10+00.00. Tangent was extended Northerly parallel to the computed 770th Street right of way in Iowa DOT file DIS_15080280Z07.dgn to Station 15+00.00.

CONTROL POINT VICINITY MAP

This map is a guide to the vicinity of the primary project control points. Primary control is for use with RTK base stations and for RTN validation. Future surveys will use primary project control to establish temporary control as needed for construction or other surveying applications.



HORIZ. DATUM: NAD83(2011) for EPOCH 2010 (IaRTN 2019 Adjustment) - Iowa RCS Zone 7 (U.S. Survey Foot)

VERT. DATUM: NAVD88 - GEOID18

Coordinate listing from next sheet will be used with IaRTN for monument recovery. No other reference ties are given.

HORIZONTAL AND VERTICAL PROJECT CONTROL COORDINATE LISTING
HORIZ. DATUM: NAD83(2011) for EPOCH 2010 (IaRTN 2019 Adjustment)
Ia. Regional Coordinate System Zone 7 (U.S. Survey Foot)
VERT. DATUM: NAVD88
GEOID18

Point Name	Northing	Easting	Elevation	Feature Code - Description
1	7254144.68	17473656.36	1434.37	FENO Set 6in Deep South of EBL I-80 near mm71.8
2	7254178.21	17474485.46	1413.01	FENO Set 4in Deep South of EBL I-80 near mm72.0
3	7254719.74	17475040.09	1407.55	FENO Set 4in Deep North of WBL I-80 on East Side 770th Street
4	7254468.62	17476705.96	1406.29	FENO Set 4in Deep North of WBL I-80 near mm72.4

ALIGNMENT COORDINATES

Name	Location	Point on Tangent			Begin Spiral			Begin Curve			Simple Curve PI or Master PI of SCS			End Curve			End Spiral		
		Station	Coordinates		Station	Coordinates		Station	Coordinates		Station	Coordinates		Station	Coordinates		Station	Coordinates	
			Y (Northing)	X (Easting)		Y (Northing)	X (Easting)		Y (Northing)	X (Easting)		Y (Northing)	X (Easting)		Y (Northing)	X (Easting)		Y (Northing)	X (Easting)
1	ML080	1077+65.70	7254140.88	17459476.94															
2	ML080							1117+86.48	7254383.59	17463490.39	1123+03.49	7254414.80	17464006.46	1128+19.81	7254399.45	17464523.25			
4	ML080							1184+81.90	7254231.36	17470182.84	1187+81.89	7254222.46	17470482.70	1190+81.77	7254226.74	17470782.65			
6	ML080							1268+20.72	7254337.10	17478520.81	1271+20.77	7254341.37	17478820.83	1274+20.80	7254340.79	17479120.87			
7	ML080	1313+79.71	7254333.05	17483079.78															

SPIRAL OR CIRCULAR CURVE DATA

Name	Chain	ΔSCS	Horizontal Alignment Data												Remarks
			Spiral Data								Curve Data				
			θS	Ls	Ts	Es	Xc	Yc	L.T.	S.T.	ΔC	T	L	R	E	
C1	ML080										05°09'42.41"	517.012	1033.324	11470	11.646	
C2	ML080										02°31'05.56"	299.986	599.875	13649	3.296	
C3	ML080										00°55'44.51"	300.045	600.078	37008	1.216	

STAGING NOTES

STG 1 Traffic

I-80 EB and I-80 WB - close inside lanes of traffic. Shift traffic to oustide lanes
770th St traffic on existing lanes

STG 1 Construction

Remove existing shoulders and construct Detour Pavement.

STG 2 Traffic

I-80 EB and I-80 WB traffic on existing lanes
770th St closed

STG 2 Construction

Construct median portion of new bridge and remaining Detour Pavement.

STG 3 Traffic

I-80 EB shift traffic to detour pavement
I-80 WB - traffic on existing lanes
770th St closed

STG 3 Construction

Construct EB portion of new bridge and bridge approaches. Install EB guardrail.

STG 4 Traffic

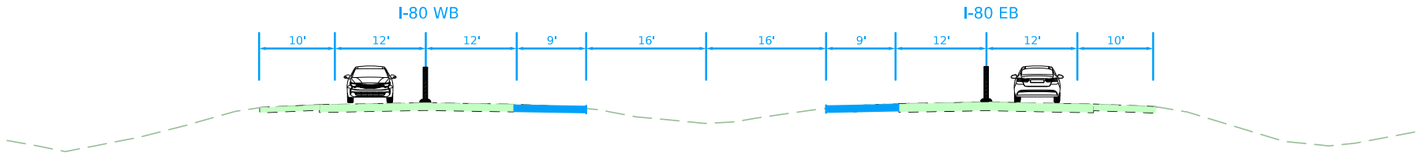
I-80 EB traffic on existing lanes and new EB bridge
I-80 WB shift traffic to detour pavement
770th St closed

STG 4 Construction

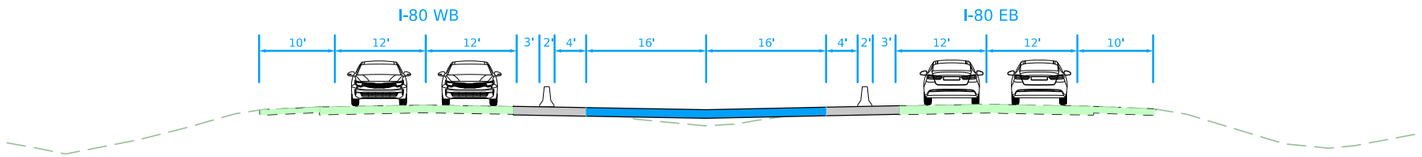
Construct WB portion of new bridge and bridge approaches. Install WB guardrail.
Add granular surfacing on 770th St.

STG 5 Traffic

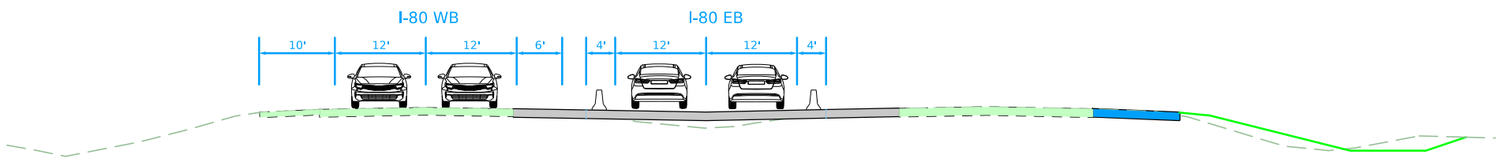
I-80 EB and WB traffic on existing lanes.
770th St traffic on existing lanes.



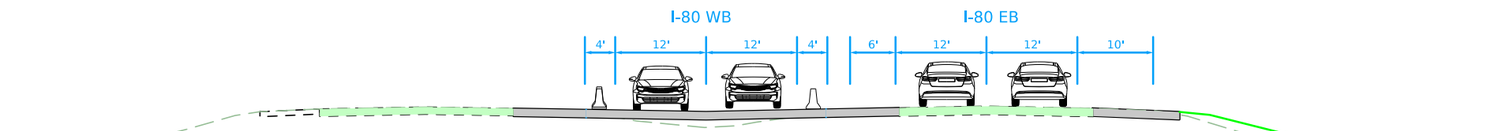
I-80 STG 1
STA 1228+50



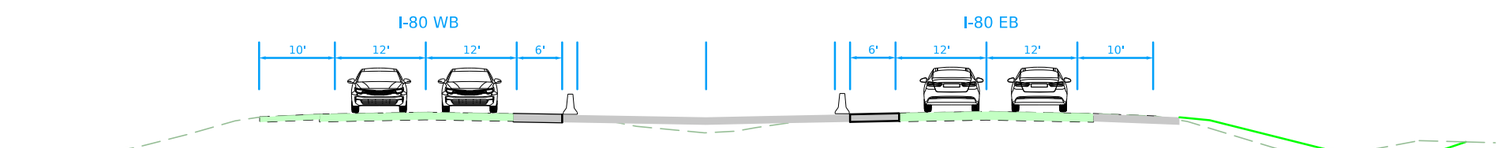
I-80 STG 2
STA 1228+50



I-80 STG 3
STA 1228+50



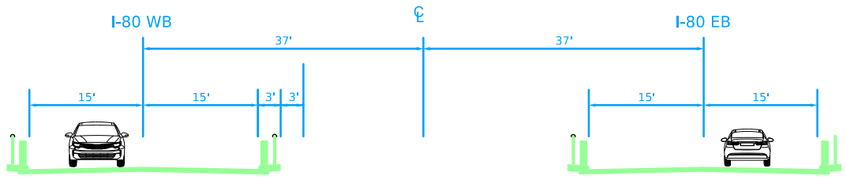
I-80 STG 4
STA 1228+50



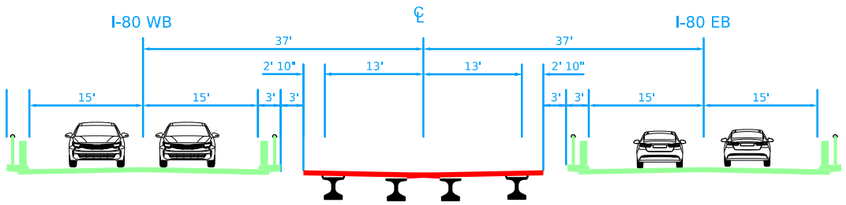
I-80 STG 5
STA 1228+50

FILE NO. **32687**	ENGLISH	DESIGN TEAM **Strum/Janus**	**CASS** COUNTY	PROJECT NUMBER **IMX-080-2(277)72--02-15**	SHEET NUMBER **J.2**	

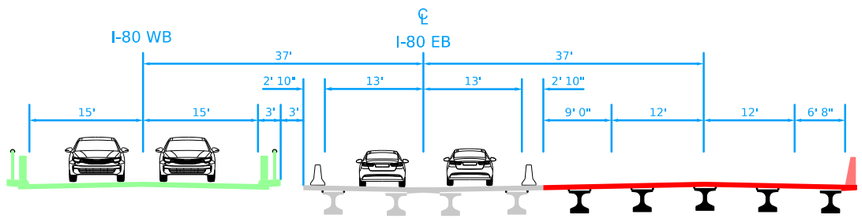
8:51:51 AM 2/18/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_J02.dgn



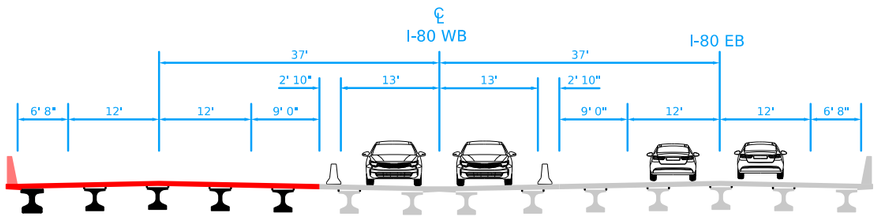
I-80 STG 1
STA 1233+00



I-80 STG 2
STA 1233+00



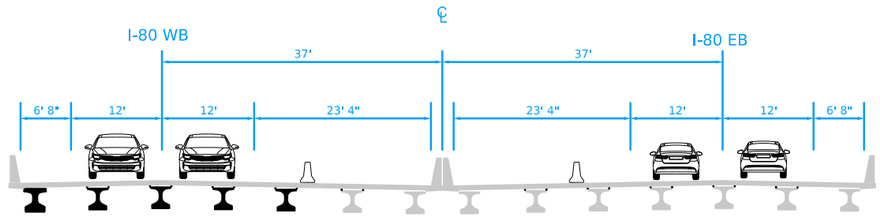
I-80 STG 3
STA 1233+00



I-80 STG 4
STA 1233+00

FILE NO. **32687**	ENGLISH	DESIGN TEAM **Strum/Janus**	**CASS** COUNTY	PROJECT NUMBER **IMX-080-2(277)72--02-15**	SHEET NUMBER **J.3**

8:51:52 AM 2/18/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_J02.dgn



I-80 STG 5
STA 1233+00

FILE NO. **32687**	ENGLISH	DESIGN TEAM **Strum/Janus**	**CASS** COUNTY	PROJECT NUMBER **IMX-080-2(277)72--02-15**	SHEET NUMBER **J.4**

8:51:52 AM 2/18/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_J02.dgn

CROSS SECTION VIEW COLOR LEGEND OF TRAFFIC CONTROL AND STAGING SHEETS

SHADING	Design Color No.	
Green, Light	(225)	Existing Pavement Shading
Gray, Light	(48)	Previously Constructed Pavement Shading
Gray, Med	(80)	Previously Constructed Granular Surface Shading
Blue, Light	(230)	Proposed Pavement Shading
Lavender	(9)	Temporary Pavement Shading
Brown, Med	(237)	Future Proposed Pavement Shading

CROSS SECTION VIEW PATTERN AND SYMBOL LEGEND OF TRAFFIC CONTROL AND STAGING SHEETS

	Pavement Removal		Proposed Granular Shoulder
	Proposed Granular Subbase		Temporary Shoulder
	Proposed Special Backfill		Existing Shoulder Strengthening
	Temporary Barrier Rail		Permanent Barrier Rail
			Channelizing Device

PLAN VIEW COLOR LEGEND OF TRAFFIC CONTROL AND STAGING SHEETS

LINEWORK	Design Color No.	
Green	(2)	Existing Topographic Features and Labels
Magenta	(5)	Pavement Marking Call Outs
Blue	(1)	Proposed Alignment, Stationing, Tic Marks, and Alignment Annotation
Yellow	(4)	Pavement Markings, Yellow
Off White	(254)	Pavement Markings, White
Violet	(15)	Temporary barrier rail, Unpinned
Flush Orange	(228)	Temporary barrier rail, Pinned

SHADING	Design Color No.	
Green, Light	(225)	Existing Pavement Shading
Gray, Light	(48)	Previously Constructed Pavement Shading
Gray, Med	(80)	Proposed Granular Surface Shading
Gray, Med	(80)	Previously Constructed Granular Surface Shading
Blue, Light	(230)	Proposed Pavement Shading
Lavender	(9)	Temporary Pavement Shading
Brown, Light	(236)	Proposed Grading Limits Shading
Pink, Dark	(13)	Proposed MSE or CIP Wall Shading
Red	(3)	Proposed Bridge Shading and Sign Trusses
Black w/Gray, Light Fill	(0,48)	Previously Constructed Structure

PLAN VIEW PATTERN AND SYMBOL LEGEND OF TRAFFIC CONTROL AND STAGING SHEETS

●	Channelizing Device		Crash Cushion (Temp or Perm)
✕	Drum		Traffic Signal
◘	Temporary Lane Separator		Flagger
◆	Tubular Marker		Temporary Floodlighting
♦	Channelizer Marker		Traffic Sign
△	Concrete Barrier Marker		Type III Barricade
⊰	Delineator		Type A Warning Light
	Temporary Barrier Rail		Direction of Traffic
	Pavement Removal		Safety Closure
	Sand Barrel Layout	1	Lane Identification

NOTE: Device spacing according to Standard Road Plans unless specifically dimensioned.

TRAFFIC CONTROL AND STAGING LEGEND AND SYMBOL INFORMATION SHEET

(COVERS SHEET SERIES J)

1160+00

1165+00

1170+00

1175+00

1180+00

1185+00

1190+00

INTERSTATE
80

1000'

1000'

1000

ROAD WORK AHEAD
W20-1
48" x 48"

SPEED LIMIT 55
R2-1
48" x 60"

LEFT LANE CLOSED AHEAD
W20-5
48" x 48"

0 100
FEET

N

STAGE 1

FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER J.6	

9:55:24 AM 4/3/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_J04.dgn

1190+00
1195+00
1200+00
1205+00
1210+00
1215+00
1220+00

1195+00

END ROAD WORK
G20-2A
48" x 24"

200'

12'
12'

12'
12'

1000'
1000'
910'
700'

W4-2
48" x 48"

MERGE
W4-2M
48" x 48"

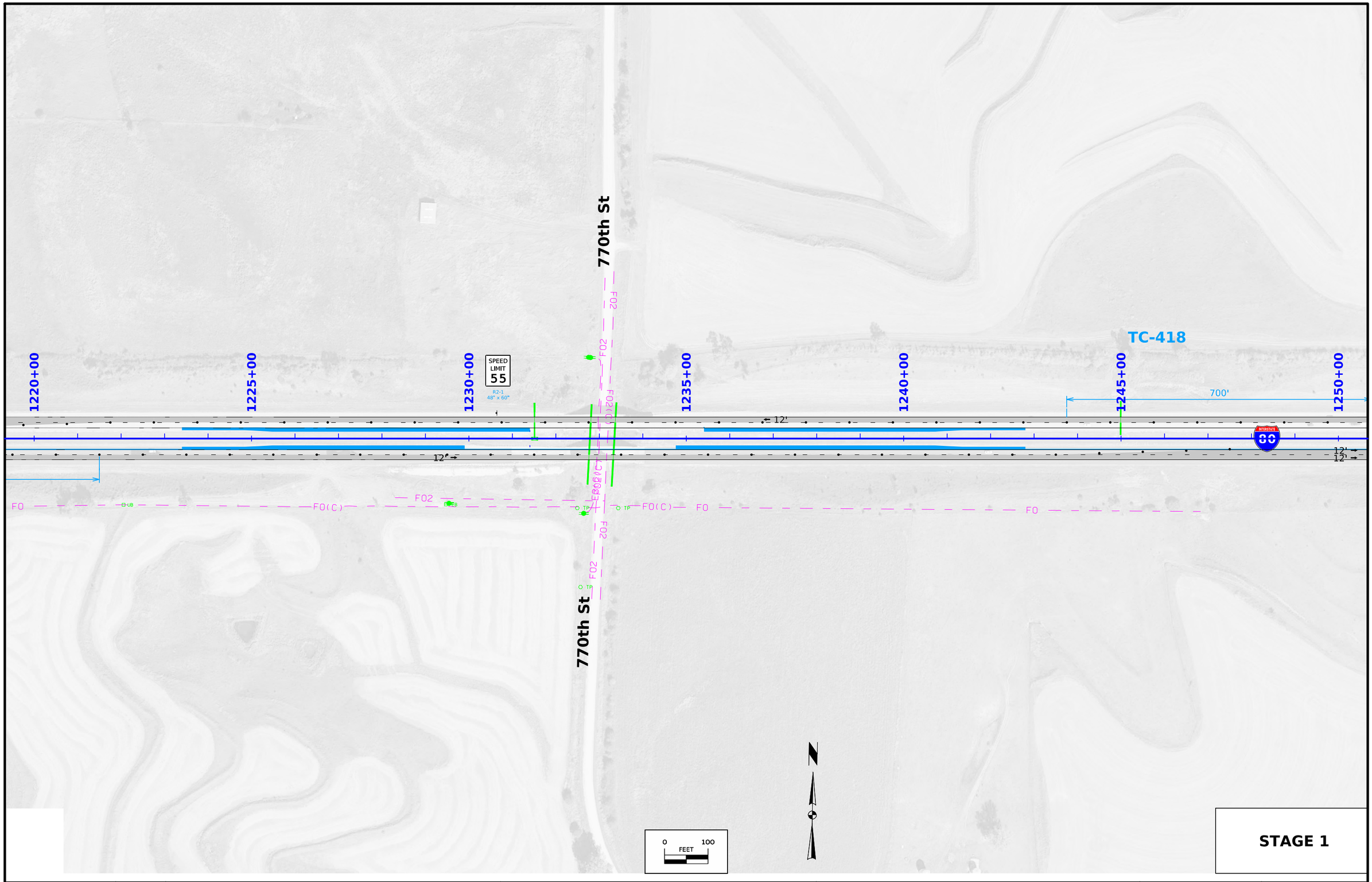
FO

0 100
FEET

STAGE 1

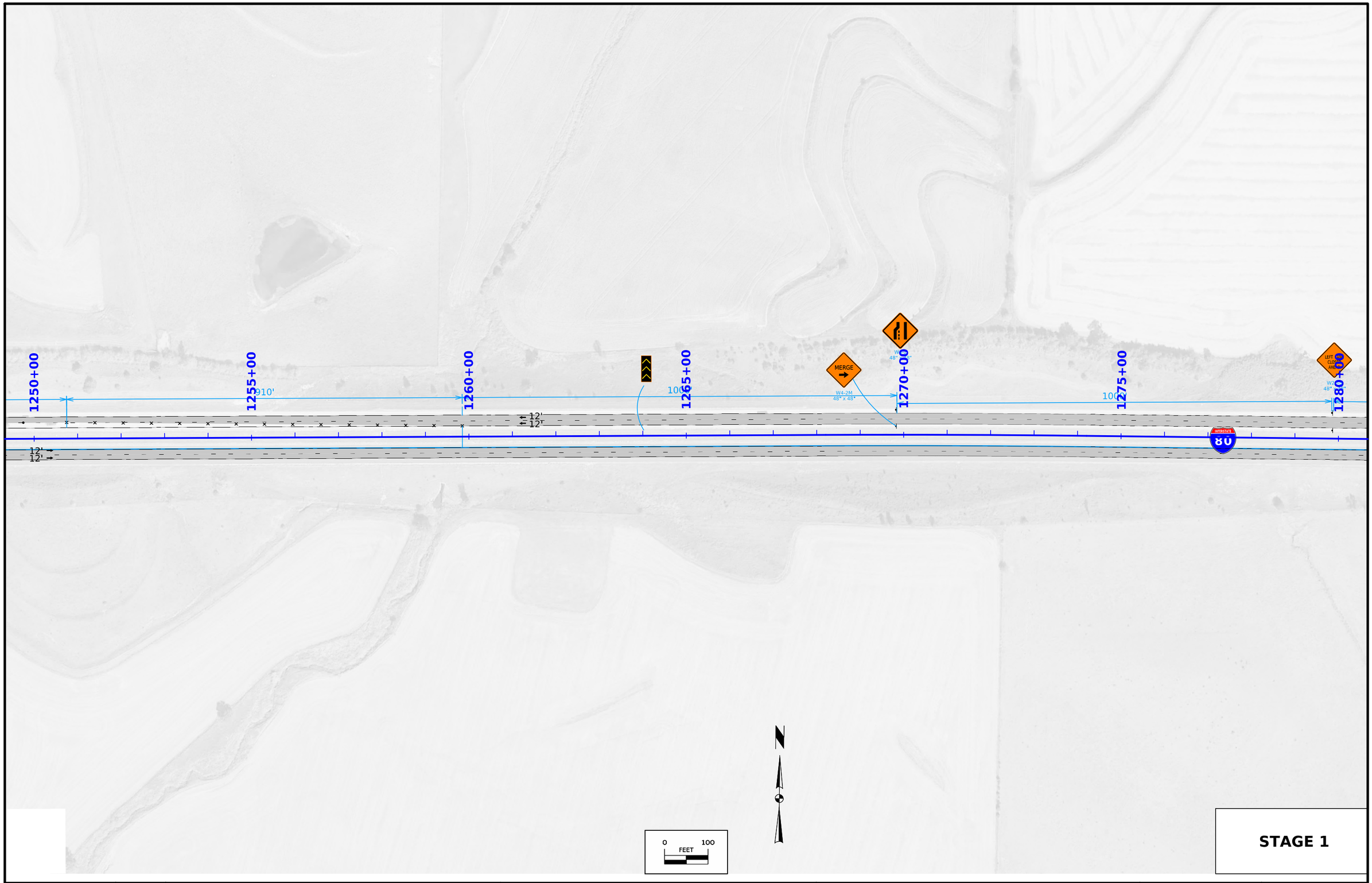
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER J.7	

9:56:01 AM 4/3/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_J04.dgn



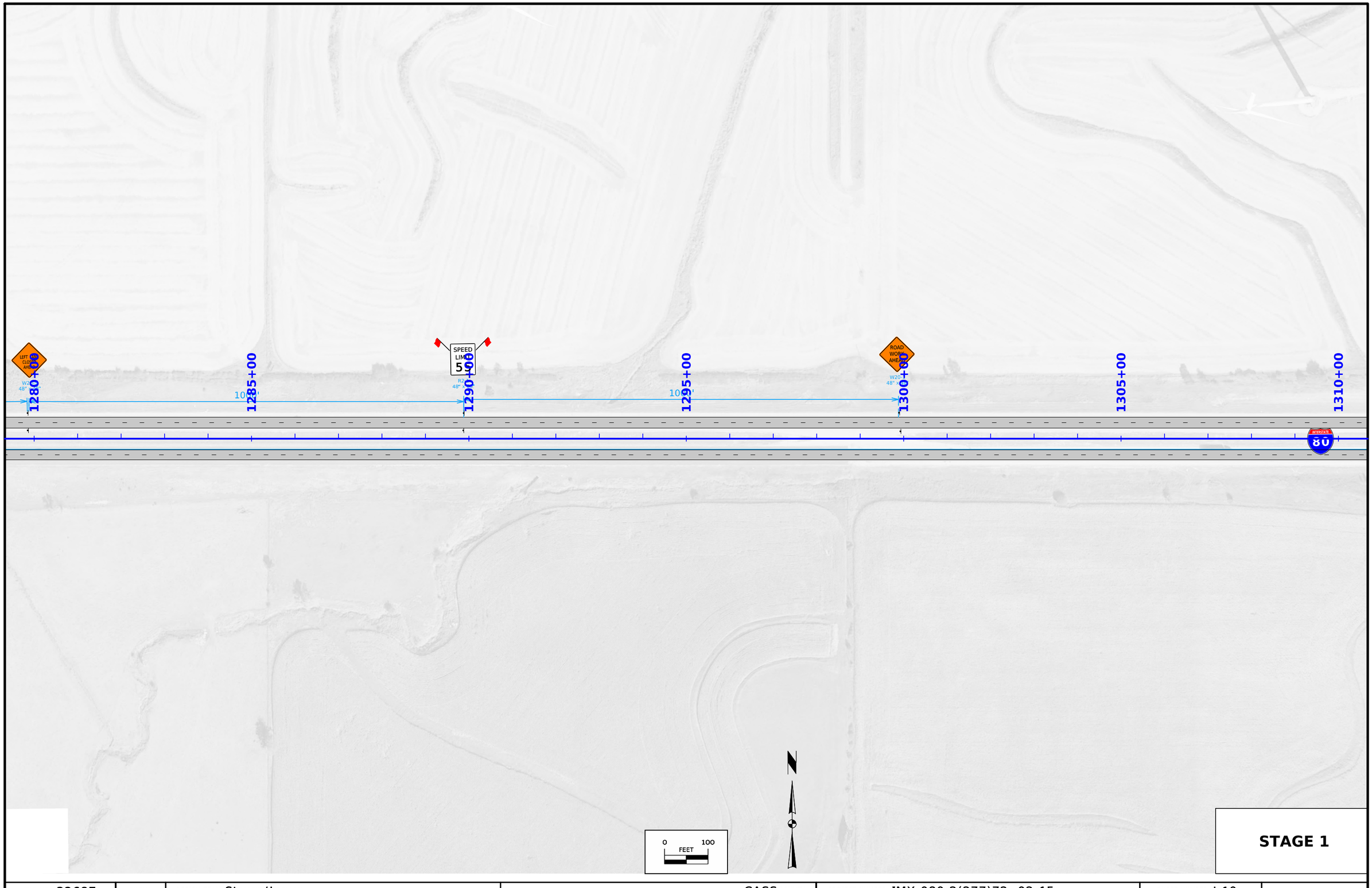
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER J.8

9:56:21 AM 4/3/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_J04.dgn



FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER J.9	

9:56:54 AM 4/3/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_J04.dgn



STAGE 1

FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER J.10

9:57:30 AM 4/3/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_J04.dgn

1190+00

1195+00

1200+00

1205+00

1210+00

1215+00

1220+00

1195+00

INTERSTATE
80

END ROAD WORK
G20-2A
48" x 24"

500

1500'

ROAD WORK AHEAD
W20-1
48" x 48"

FO

N

0 FEET 100

STAGE 2

FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER J.11	

9:57:55 AM 4/3/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_J05.dgn

770th St

1220+00 1225+00 1230+00 1235+00 1240+00 1245+00 1250+00

500' 500'

12' 12' 12' 12'

88

FO2 FO2(C) FO2 FO2

FO FO(C) FO FO

TP TP TP

END ROAD WORK
G20-2A
48" x 24"

770th St

0 100
FEET

STAGE 2

FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER J.12

9:58:09 AM 4/3/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_J05.dgn

1250+00

1500'

1255+00

ROAD WORK AHEAD

W20-1
48" x 48"

1260+00

1265+00

1270+00

1275+00

INTERSTATE
80

1280+00

0 100
FEET

N

STAGE 2

FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER J.13	

9:58:23 AM 4/3/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_J05.dgn

1190+00
1195+00
1200+00
1205+00
1210+00
1215+00
1220+00

1195+00

END
ROAD WORK
G20-2A
48" x 24"

500'

12'
12'

1500'

ROAD
WORK
AHEAD
W20-1
48" x 48"

W1-4L
48" x 48"

FO

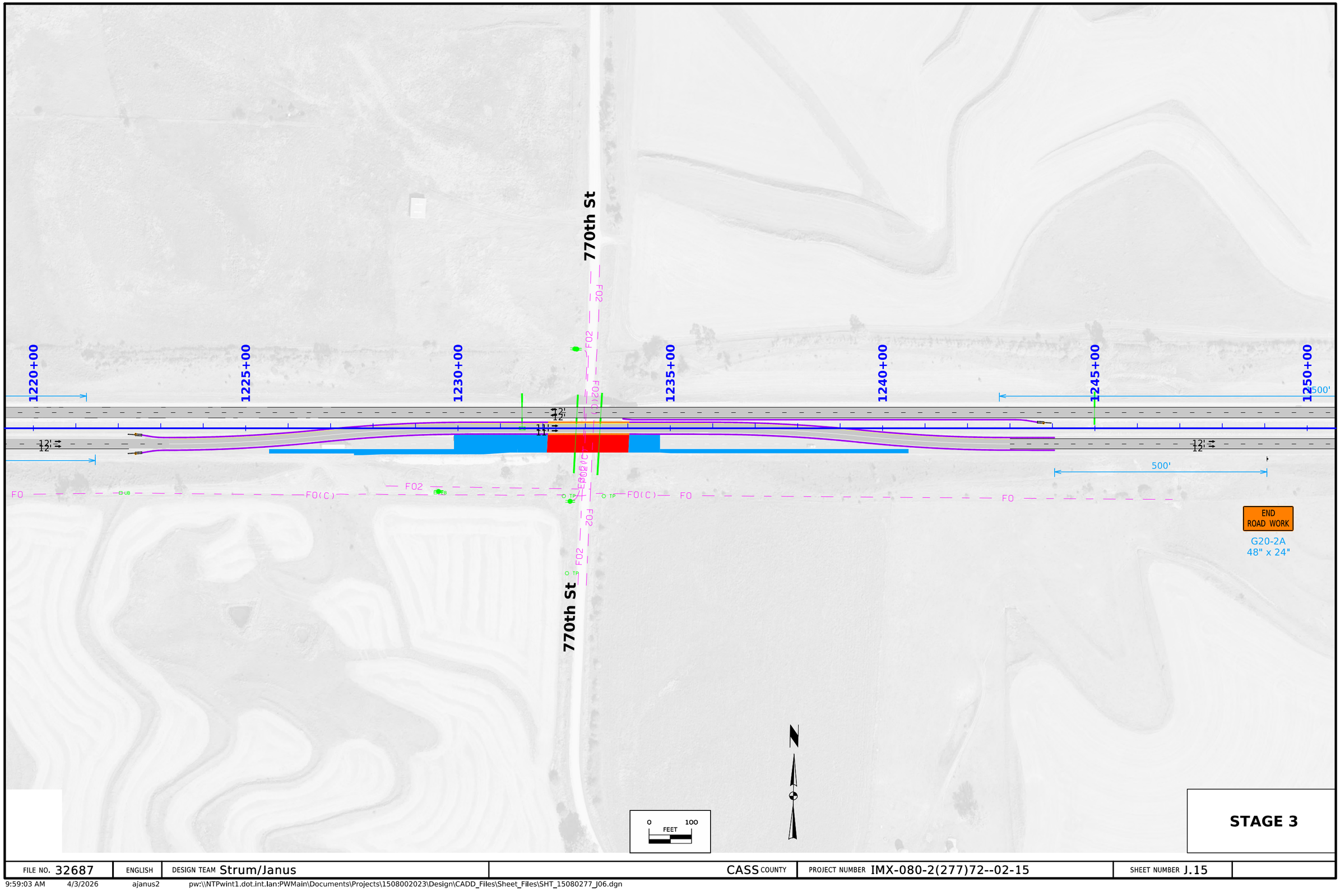
N

0 FEET 100

STAGE 3

FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER J.14	

9:58:49 AM 4/3/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_J06.dgn



FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER J.15	

9:59:03 AM 4/3/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_J06.dgn

1250+00
1255+00
1260+00
1265+00
1270+00
1275+00
1280+00
500'
ROAD WORK AHEAD
W20-1
48" x 48"
0 100
FEET
STAGE 3

FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER J.16	

9:59:16 AM 4/3/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_J06.dgn

1190+00
1195+00
1200+00
1205+00
1210+00
1215+00
1220+00
1195+00
END ROAD WORK
G20-2A
48" x 24"
500'
12'
12'
12'
12'
1500'
ROAD WORK AHEAD
W20-1
48" x 48"
FO
0 100
FEET
STAGE 4

FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER J.17	

9:59:44 AM 4/3/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_J07.dgn

770th St

1220+00 1225+00 1230+00 1235+00 1240+00 1245+00 1250+00

500' 500'

12' 12' 12' 12'

W1-4L
48" x 48"

END
ROAD WORK
G20-2A
48" x 24"

770th St

0 100
FEET

STAGE 4

FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER J.18

9:59:58 AM 4/3/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_J07.dgn

1250+00
1255+00
ROAD WORK AHEAD
W20-1
48" x 48"
1260+00
1265+00
1270+00
1275+00
1280+00
1500'
12'
12'
RK
A
4"
0 100
FEET
STAGE 4

FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER J.19	

10:00:12 AM 4/3/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_J07.dgn

SURVEY SYMBOLS

- Interstate Highway Symbol
- U.S. Highway Symbol
- Iowa Highway Symbol
- County Road Highway Symbol
- Evergreen Tree
- Deciduous Tree
- Fruit Tree
- Shrub (Bushes)
- Timber
- Hedge
- Stump
- Swamp
- Rock Outcrop
- Broken Concrete
- Revetment (Rip Rap)
- Cemetery
- Grave
- Cave
- Sink Hole
- Board Fence
- Chain Link or Security Fence
- Wire Fence
- Terrace
- Earth Dam or Dike (Existing)
- Tile Outlet
- Edge of Water
- Existing Drainage
- Right of Way Rail or Lot Corner
- Concrete Monument
- Well
- Windmill
- Beehive Intake
- Existing Intake
- Existing Utility Access (Manhole)
- Fire Hydrant
- WH Water Hydrant (Rural)
- Septic Tank
- C Cistern
- LP L.P. Gas Tank (No Footing)
- UST Underground Storage Tank
- Latrine
- Satellite TV Dish
- WHU Water Hook Up
- RT Radio Tower
- TA Tower Anchor
- Guardrail (Beam or Cable)
- GP Guard Post (one or two)
- Guard Post (over two)
- FP Filler Pipe
- GV Gas Valve
- WV Water Valve
- SL Speed Limit Sign
- MM Mile Marker Post
- SIGN Sign
- TCB Traffic Signal Control Box
- RRB Rail Road Signal Control Box
- TSB Telephone Switch Box
- EB Electric Box

UTILITY LEGEND

- E3(C) — EL3C, Guthrie County Rural Electric - Quality C
- FO(C) — FO1C, Iowa Communications Network - Quality C
- FO2(C) — FO2C, West Iowa Telephone - Quality C
- FO — FO1D, Iowa Communications Network - Quality D
- FO2 — FO2D, West Iowa Telephone - Quality D

PLAN VIEW COLOR LEGEND OF STORM SEWER SHEETS

LINEWORK	Design Color No.	
Gray, Dark	(112)	Existing Topographic Features, Utilities, and Labels
Black	(17)	Proposed Storm Sewer Details, Alignment, Stationing, Tic Marks, and Alignment Annotation
SHADING	**Design Color No.**	
Gray, Light	(48)	Proposed Pavement Shading

PROFILE VIEW COLOR LEGEND OF STORM SEWER SHEETS

LINEWORK	Design Color No.	
Gray, Dark	(112)	Existing Ground Line Profile and Existing Utilities Information
Black	(17)	Proposed Pipes and Intakes

PLAN VIEW LINE STYLE LEGEND OF STORM SEWER SHEETS

- Plug and Abandon Existing Pipe or Structure
- Removal of Existing Pipe or Structure
- Previously Constructed Pipe or Structure
- Proposed Pipe or Structure

PROFILE VIEW LINE STYLE LEGEND OF STORM SEWER SHEETS

- Existing Ground
- Proposed Ground
- Previously Constructed Pipe or Structure
- Proposed Pipe or Structure
- Temporary Slotted Drain

- Reference Point / Station — Survey Line
- Section Corner
- Ground Line Intercept
- Saw Cut
- Guardrail
- Clearing & Grubbing Area
- Pavement Removal

RIGHT-OF-WAY LEGEND

- Proposed Right-of-Way
- Existing and Proposed Right-of-Way
- Easement and Existing Right-of-Way
- Borrow
- Easement (Temporary)
- Easement
- Excess
- A/C Access Control

STORM SEWER LEGEND AND SYMBOL INFORMATION SHEET

(COVERS SHEET SERIES M)

FILE NO. **32687**	ENGLISH	DESIGN TEAM **HNTB**	**CASS** COUNTY	PROJECT NUMBER **IMX-080-2(277)72--02-15**	SHEET NUMBER **M.1**

4:35:31 PM 8/31/2026 alamoreux pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_M_HNTB_15080277Z07.dgn

GRANT TWP.
T-77N R-34W
SEC. 2

R.O.W.

Remove Existing Culvert

1225+00 1226+00 1227+00 1228+00 1229+00 1230+00 1231+00 1232+00 1233+00

P-1 P-2 P-3

1 2 3 4

INTERSTATE 80

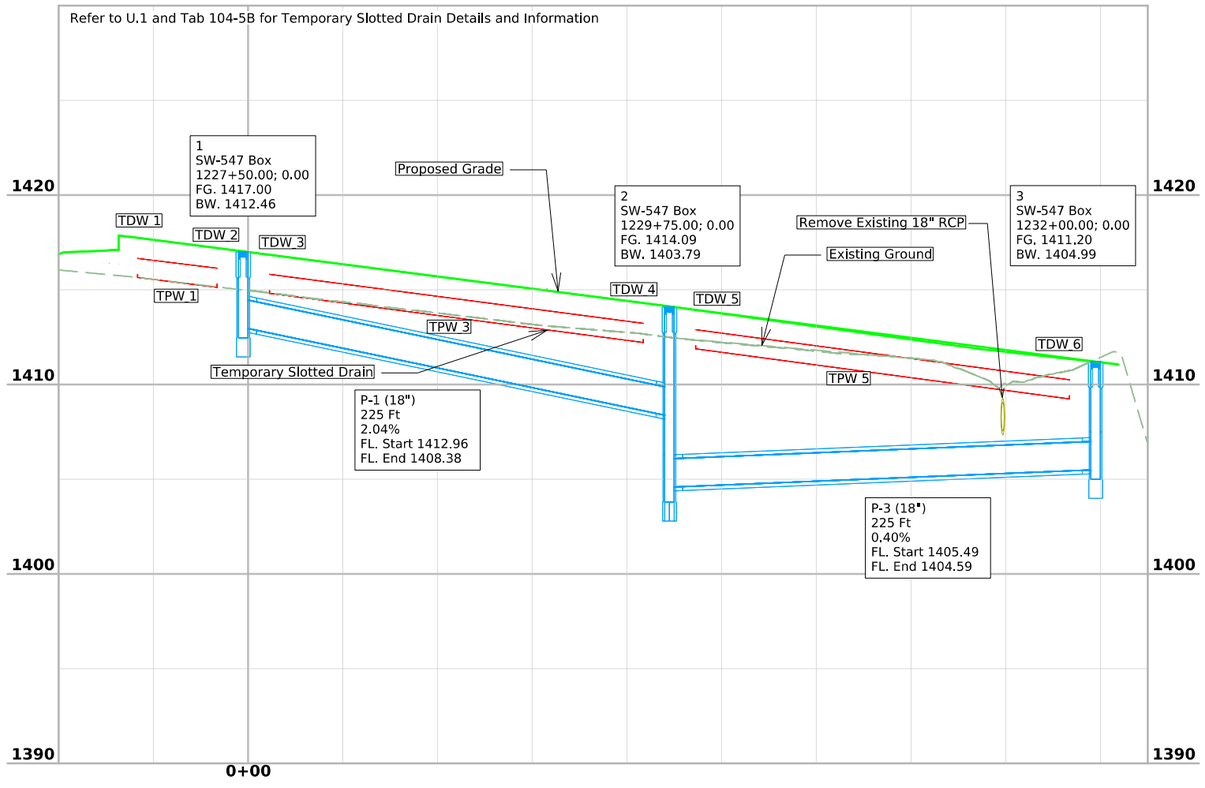
1435 1430 1425 1420 1415 1410 1405 1400 1395 1390 1385 1380 1375

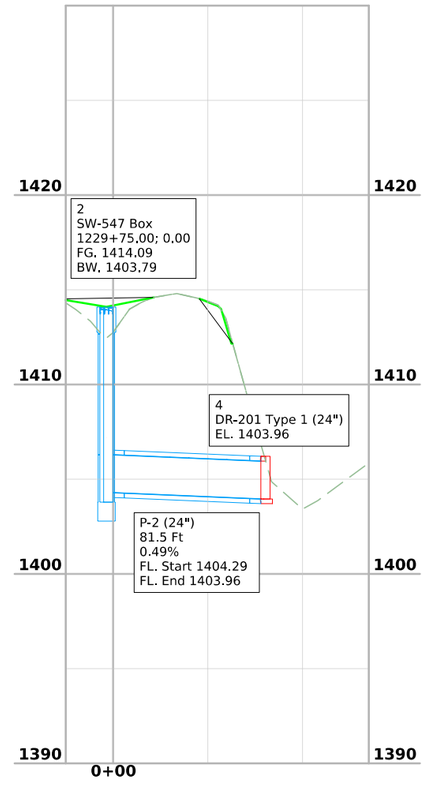
FO FO(C) FO2 FO2(C)

O 40
FEET

FILE NO. 32687	ENGLISH	DESIGN TEAM HNTB	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER M.2

4:35:44 PM 8/31/2026 alamoreux pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_M_HNTB_15080277Z07.dgn


Refer to U.1 and Tab 104-5B for Temporary Slotted Drain Details and Information
1
SW-547 Box
1227+50.00; 0.00
FG. 1417.00
BW. 1412.46
Proposed Grade
2
SW-547 Box
1229+75.00; 0.00
FG. 1414.09
BW. 1403.79
Remove Existing 18" RCP
3
SW-547 Box
1232+00.00; 0.00
FG. 1411.20
BW. 1404.99
Existing Ground
TDW 1
TDW 2
TDW 3
TDW 4
TDW 5
TDW 6
TPW 1
TPW 3
TPW 5
Temporary Slotted Drain
P-1 (18")
225 Ft
2.04%
FL. Start 1412.96
FL. End 1408.38
P-3 (18")
225 Ft
0.40%
FL. Start 1405.49
FL. End 1404.59
1420
1410
1400
1390
0+00


2
SW-547 Box
1229+75.00; 0.00
FG. 1414.09
BW. 1403.79
4
DR-201 Type 1 (24")
EL. 1403.96
P-2 (24")
81.5 Ft
0.49%
FL. Start 1404.29
FL. End 1403.96
1420
1410
1400
1390
0+00

GRANT TWP.
T-77N R-34W
SEC. 2

R.O.W.

1234+00 1235+00 1236+00 1237+00 1238+00 1239+00 1240+00 1241+00 1242+00

P-5 P-6 P-7

5 6 7 8

INTERSTATE 80

F02(C)

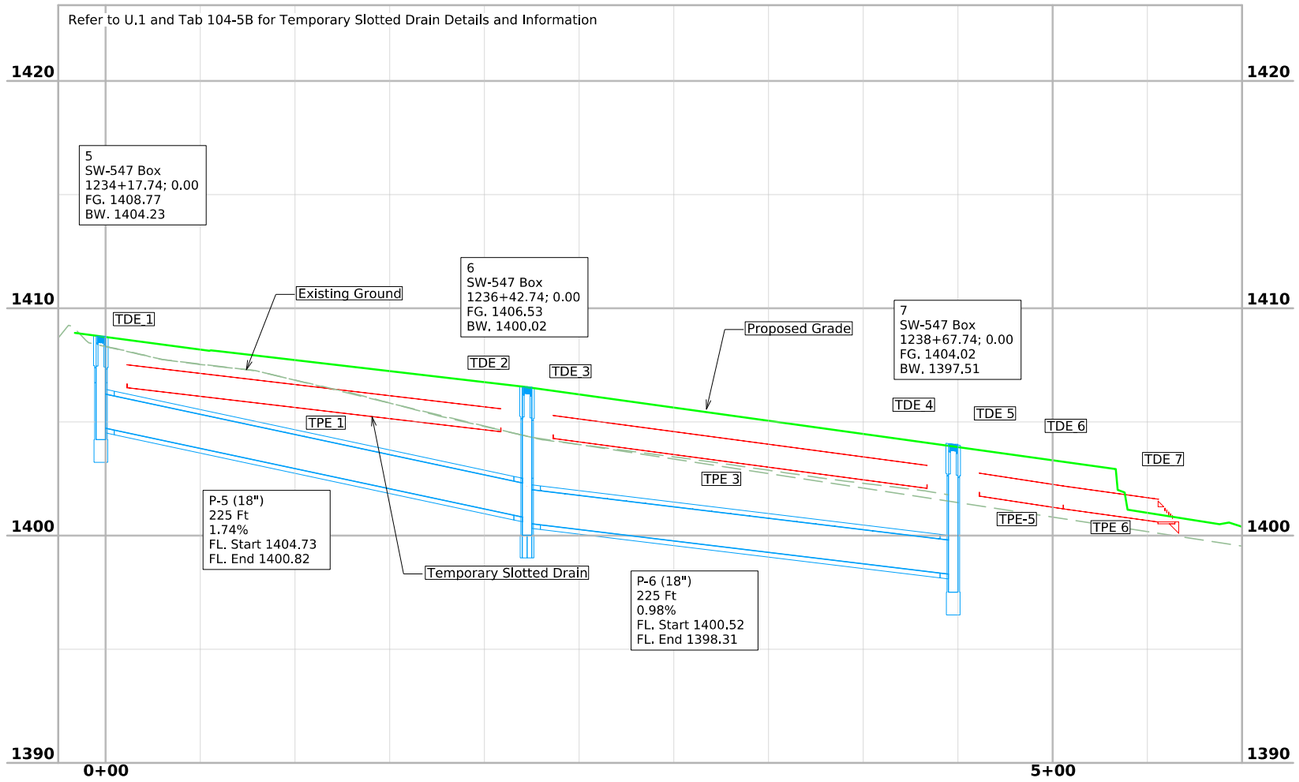
F0

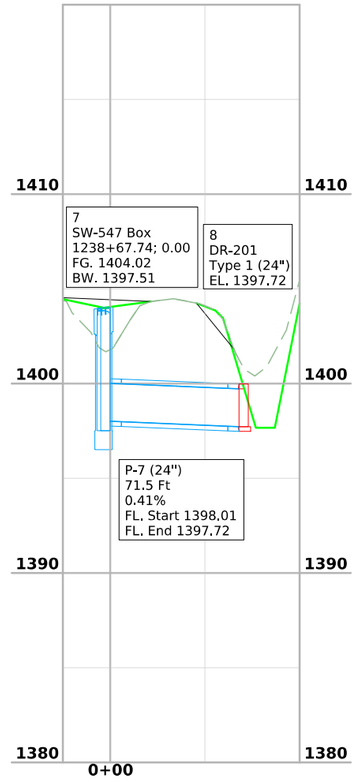
R.O.W.

O 40
FEET

FILE NO. 32687	ENGLISH	DESIGN TEAM HNTB	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER M.4

4:35:57 PM 8/31/2026 alamoreux pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_M_HNTB_15080277Z07.dgn


Refer to U.1 and Tab 104-5B for Temporary Slotted Drain Details and Information
1420
1410
1400
1390
0+00
5+00
5
SW-547 Box
1234+17.74; 0.00
FG. 1408.77
BW. 1404.23
6
SW-547 Box
1236+42.74; 0.00
FG. 1406.53
BW. 1400.02
7
SW-547 Box
1238+67.74; 0.00
FG. 1404.02
BW. 1397,51
Existing Ground
Proposed Grade
TDE 1
TDE 2
TDE 3
TDE 4
TDE 5
TDE 6
TDE 7
TPE 1
TPE 3
TPE-5
TPE 6
P-5 (18")
225 Ft
1.74%
FL. Start 1404.73
FL. End 1400.82
Temporary Slotted Drain
P-6 (18")
225 Ft
0.98%
FL. Start 1400.52
FL. End 1398.31


1410
1400
1390
1380
0+00
7
SW-547 Box
1238+67.74; 0.00
FG. 1404.02
BW. 1397.51
8
DR-201
Type 1 (24")
EL. 1397.72
P-7 (24")
71.5 Ft
0.41%
FL. Start 1398.01
FL. End 1397.72

NOTES:

① USE EPOXY COATED REBAR ACCORDING TO THE IOWA DOT ARTICLE 4151.03 PLACE EPOXY COATED REBAR ONLY IN AREAS OF PERMANENT PCC PAVEMENT. REINFORCING STEEL BARS ARE INCIDENTAL TO ITEM "DRAIN, CORRUGATED METAL SLOTTED PIPE, 15 IN., W/12 IN. GRATE"

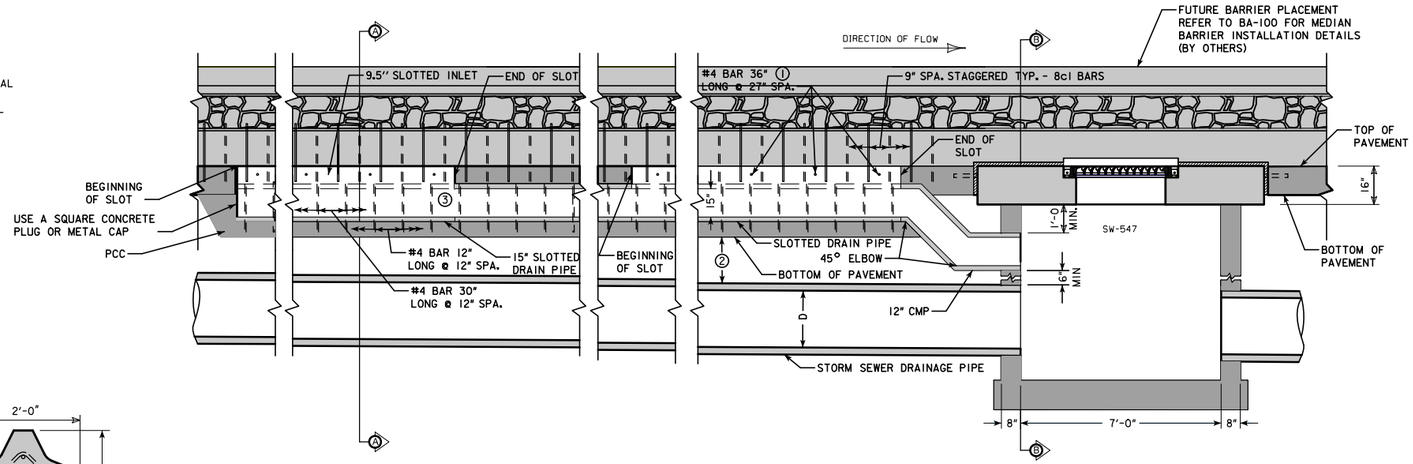
② DURING A FUTURE CONSTRUCTION STAGE, THE SLOTTED DRAIN INLET AND THE SLOTTED DRAIN PIPE WILL BE FILLED WITH FLOWABLE MORTAR AND THE MEDIAN BARRIER WILL BE INSTALLED WITH TWO TYPE 8c1 BARS STAGGERED AT 9" SPACING AS SHOWN IN PROFILE VIEW AND SECTION A-A

③ REFER TO STANDARD ROAD PLAN SW-102 FOR MORE DETAILS. SPECIAL BACKFILL MATERIAL AND INSTALLATION IS CONSIDERED INCIDENTAL TO STORM SEWER PIPE INSTALLATION.

④ PIPE OPENING INVERT SHALL BE 2'1" BELOW THE TOP OF THE INTAKE WELL UNLESS OTHERWISE SPECIFIED

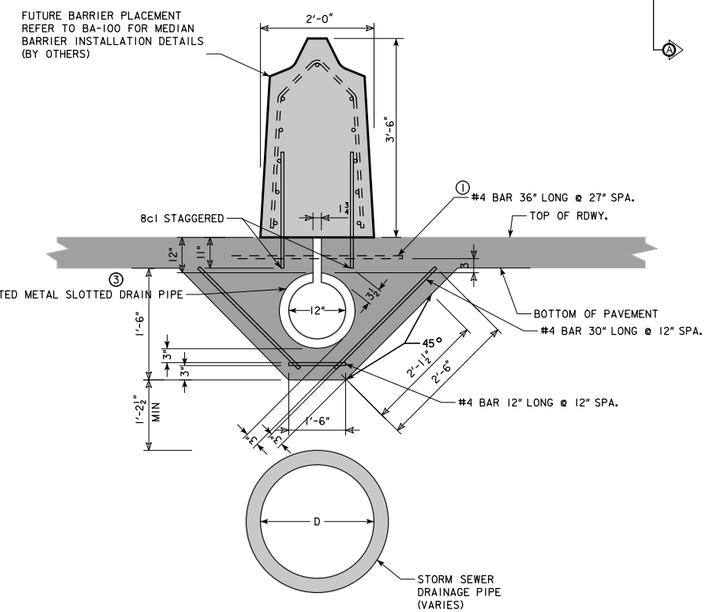
⑤ TEMPORARILY SEAL SLOTTED DRAIN GRATE DURING PAVING OPERATIONS

⑥ END SLOTTED DRAIN 10 FEET UPSTREAM OF THE BEGINNING OF THE CONNECTION STRUCTURE. IF THE INTAKE IS WITHIN BRIDGE APPROACH, END SLOTTED DRAIN AT THE BEGINNING OF BRIDGE APPROACH



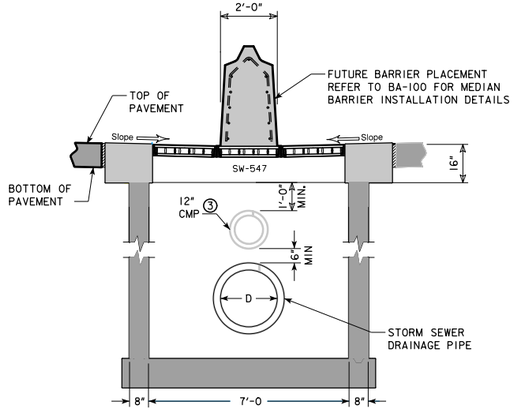
SLOTTED DRAIN INSTALLATION AND CONNECTIONS

PROFILE VIEW



CROSS SECTION VIEW

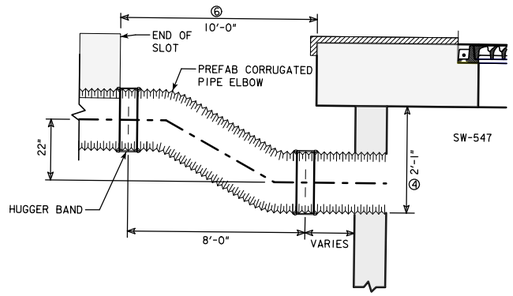
SECTION A-A



CONNECTION TO MEDIAN INTAKE

CROSS SECTION VIEW

SECTION B-B



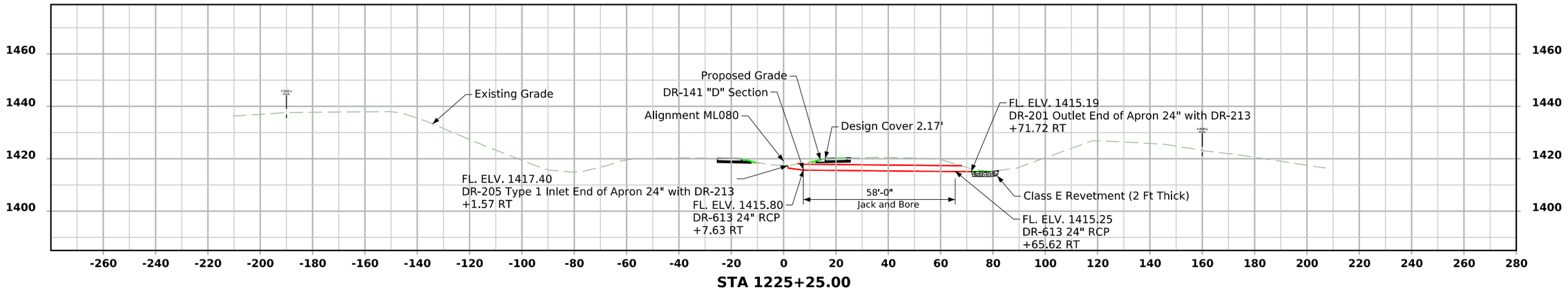
CMP PIPE ELBOW DETAIL

SLOTTED DRAIN DETAIL

FILE NO. 32687	ENGLISH	DESIGN TEAM HNTB	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER U.1	

3:42:40 PM 8/31/2026 alamoreux pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_U_HNTB_15080277

Interstate 80

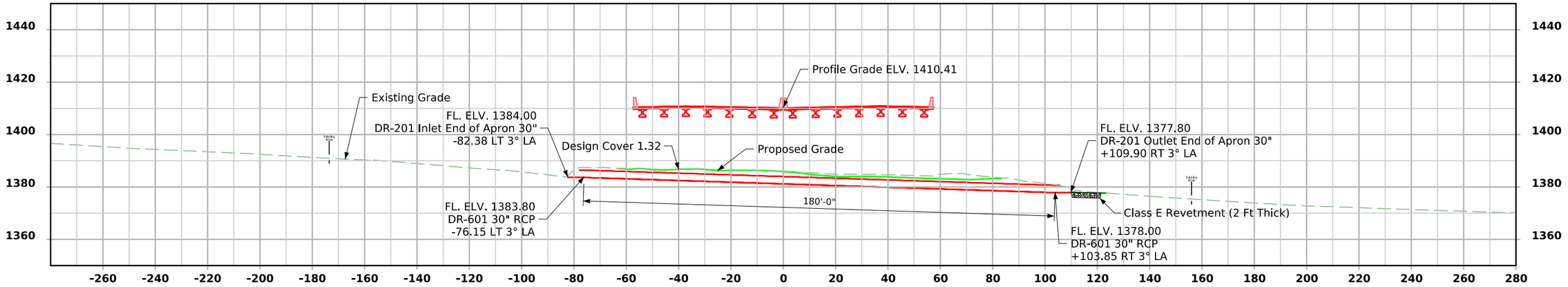


STA 1225+25.00

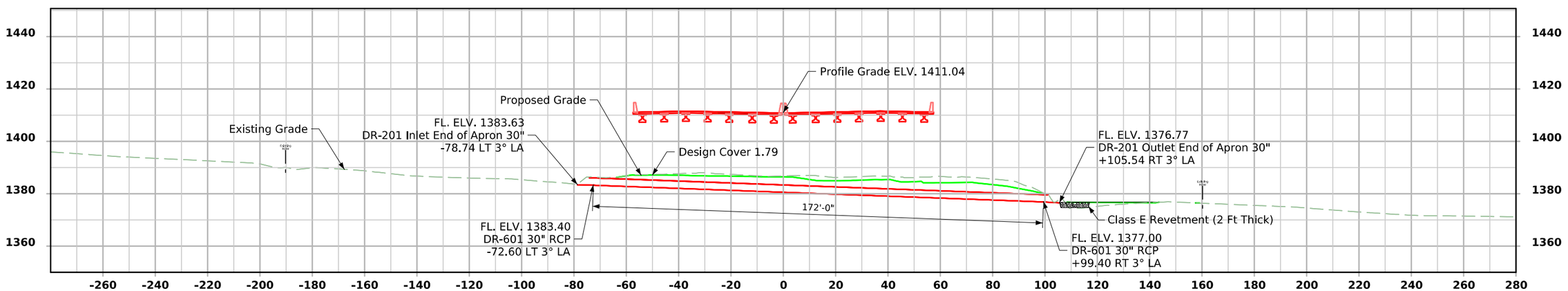
FILE NO. 32687	ENGLISH	DESIGN TEAM HNTB	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER VW.01

3:02:36 PM 8/4/2026 jszynskie pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\1508002023\Bridge\(277)_Preliminary Engineering\SHT_15080278_HNTB_PIPE_CULVERTS_Z07.dgn

Interstate 80



STA 1233+34.65 3° LA



STA 1232+78.32 3° LA

FILE NO. 32687	ENGLISH	DESIGN TEAM HNTB	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER VW.02

3:01:48 PM 8/4/2026 jszynskie pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\1508002023\Bridge\(277)_Preliminary Engineering\SHT_15080278_HNTB_PIPE_CULVERTS_Z07.dgn

CROSS SECTION VIEW COLOR LEGEND

Design Color No.	Feature
Aggregate	
(64)	Choke Stone
(42)	Engineering Fabric
(8)	Flooded Backfill
(92)	Macadam Stone
(20)	Modified
(12)	Plowing Shaping
(14)	Porous Backfill
(8)	Revetment Class A
(6)	Revetment Class B
(62)	Revetment Class C
(188)	Revetment Class D
(28)	Revetment Class E
(12)	Shoulder Special Backfill
(12)	Special Backfill
(20)	Subbase
(20)	Subbase Lower
(20)	Subbase Upper
(118)	Subgrade Treatment
Asphalt	
(207)	HMA Base Course
(207)	HMA Interim Course
(207)	HMA Surface Course
Bridge	
(0)	Bridge
Concrete	
(0)	Barrier Concrete
(0)	Barrier Concrete Footing
(0)	Curb Gutter
(48)	Flowable Mortar
(0)	Median Concrete
(0)	PCC Pavement
(0)	Sidewalk
Existing	
(0)	Existing Pavement
Shoulder	
(209)	Shoulder HMA
(0)	Shoulder PCC
(6)	Shoulder Granular
Structural	
(112)	Noise Wall
(112)	Noise Wall Footing
(112)	Retaining Wall Back
(112)	Retaining Wall Back Excavate
(112)	Retaining Wall Face
(112)	Retaining Wall Front Excavate
(112)	Retaining Wall Front Footing
(112)	Retaining Wall MSE Gutter
(112)	Retaining Wall Reinforced Earth

Design Color No.	Feature
Grading	
(8)	Behind Curb Cut
(6)	Granular
(13)	Granular Back Fill
(48)	Rock Undercut
(8)	Shoulder Earth Fill
(2)	Side Slopes
(226)	Side Slopes Dressing
Substrata	
(128)	Boulder
(209)	Boulder Removed
(48)	Broken Weathered
(210)	Broken Weathered Removed
(3)	Core Out
(115)	Core Out Remove Only
(195)	Core Out Remove and Replace
(203)	Existing Pavement
(184)	Existing Pavement Remove Only
(200)	Existing Pavement Remove and Replace
(6)	Loam
(211)	Loam Removed
(80)	Rock
(212)	Rock Removed
(4)	Select Sand
(214)	Select Sand Removed
(3)	Shale
(215)	Shale Removed
(10)	Topsoil
(2)	Topsoil Remove Only
(4)	Topsoil Remove and Replace
Unsuitable / Waste	
(3)	Unsuitable Type A
(216)	Unsuitable Type A Removed
(13)	Unsuitable Type B
(217)	Unsuitable Type B Removed
(11)	Unsuitable Type C
(218)	Unsuitable Type C Removed
(3)	Waste
(219)	Waste Removed

NOTES:

Text

NOTES:

Text

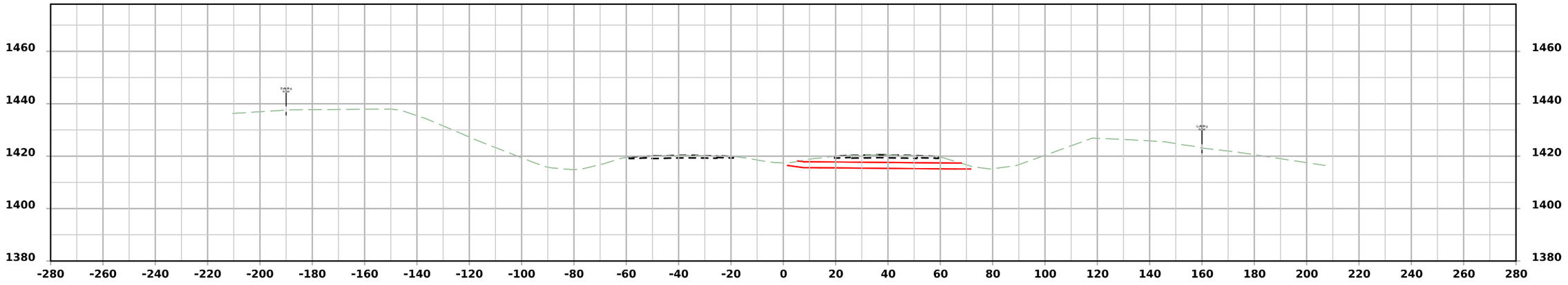
CROSS SECTIONS
LEGEND AND INFORMATION SHEET

(COVERS SHEET SERIES W, X, Y, & Z)

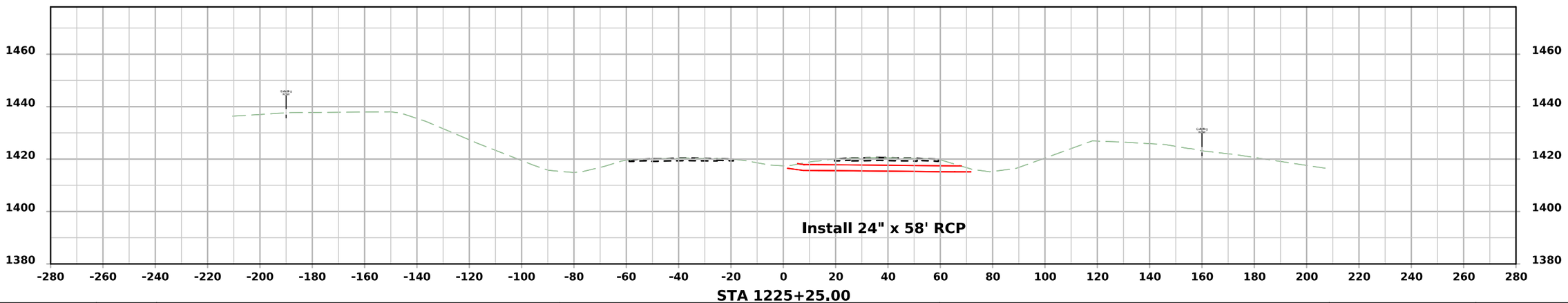
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.1

10:58:14 AM 1/28/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_LGD.dgn

I-80



STA 1225+25.00

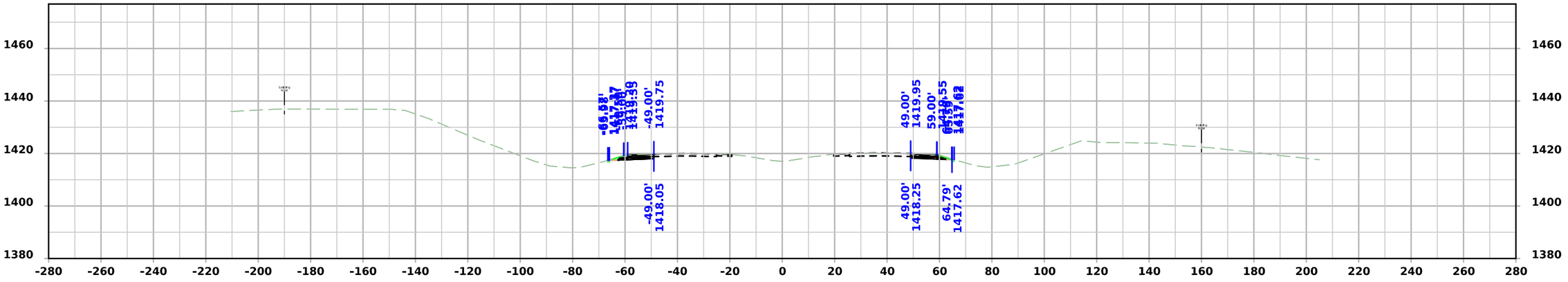


STA 1225+25.00

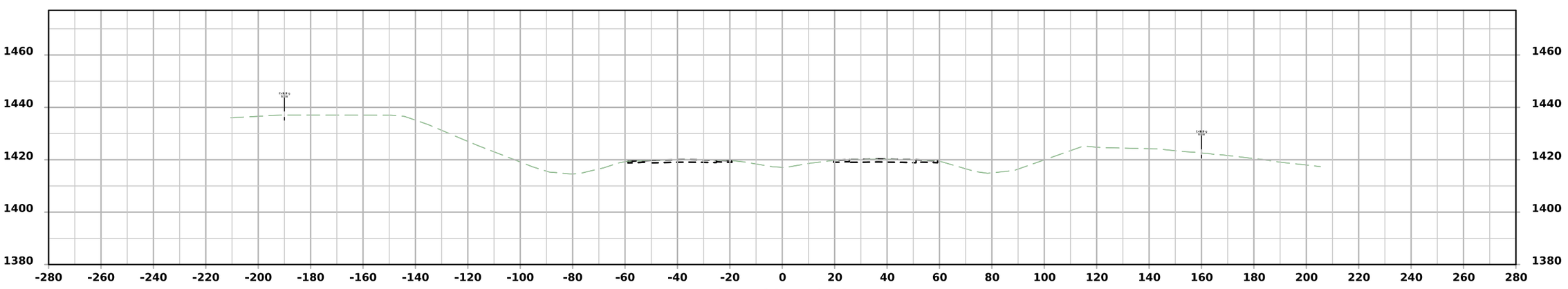
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.2

11:24:42 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W02.dgn

I-80



STA 1225+55.00

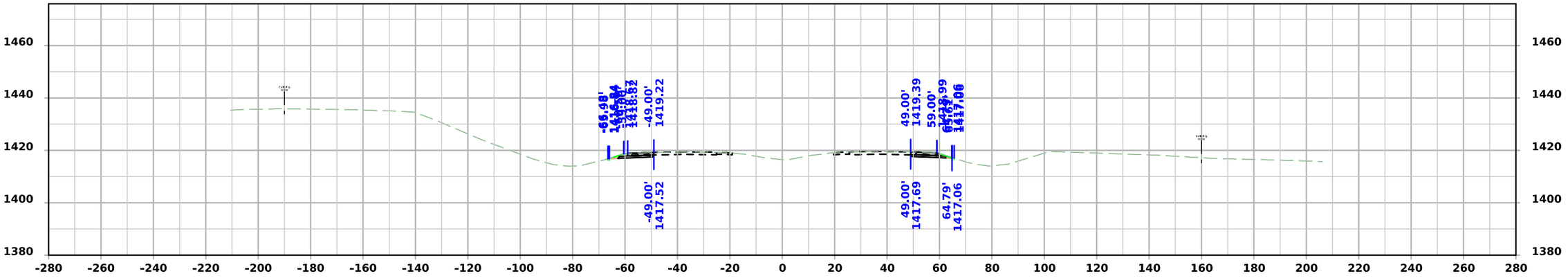


STA 1225+50.00

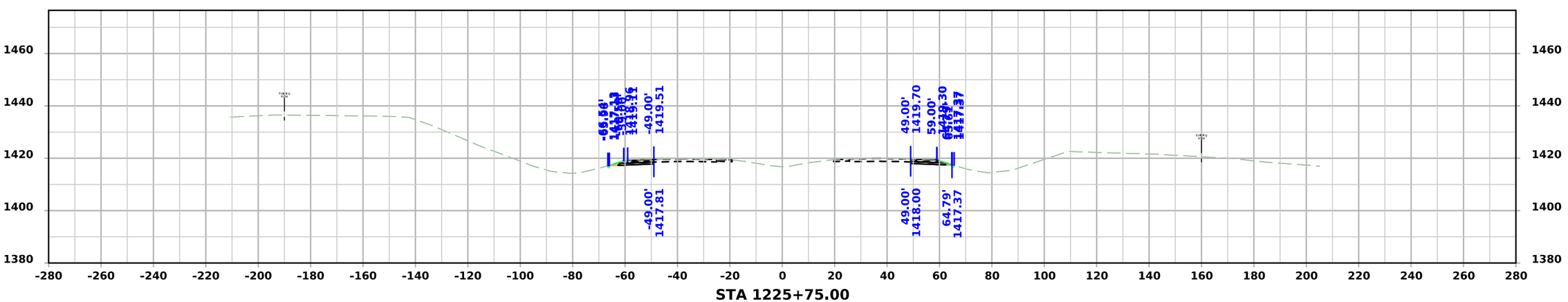
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.3	

11:24:43 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W02.dgn

I-80



STA 1226+00.00

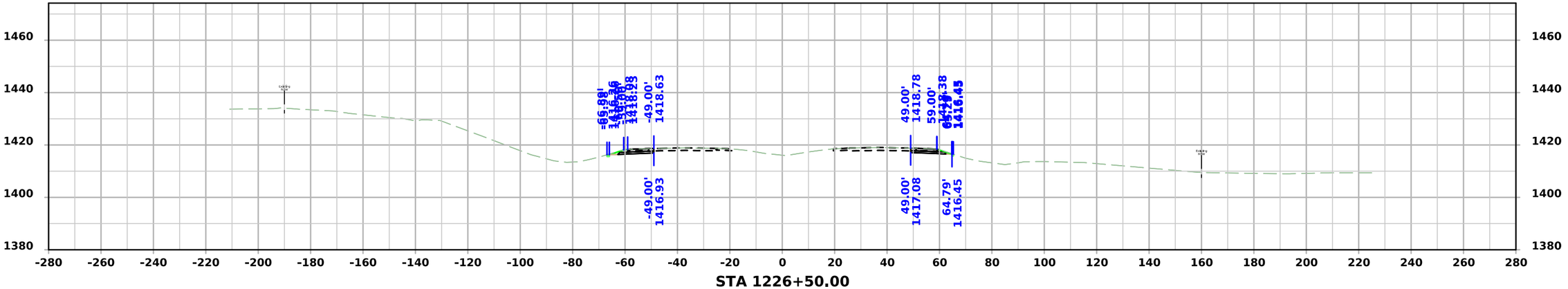


STA 1225+75.00

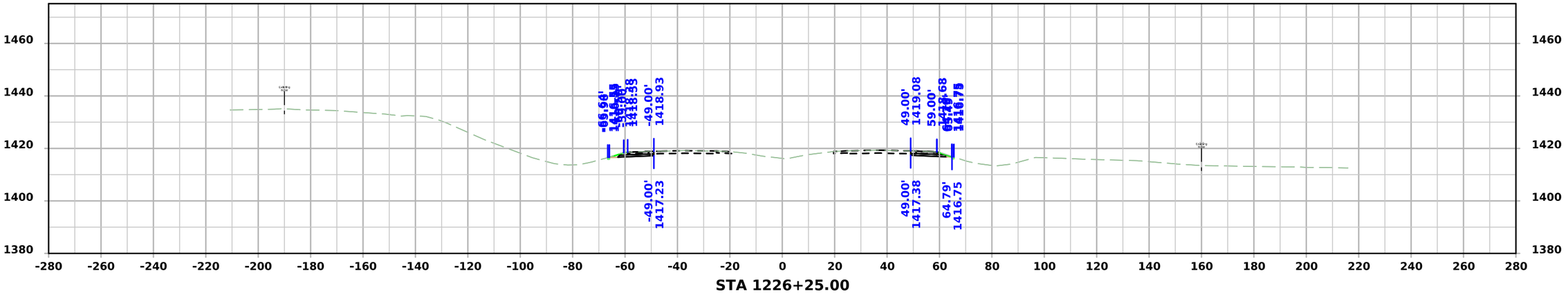
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.4

11:24:43 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W02.dgn

I-80



STA 1226+50.00

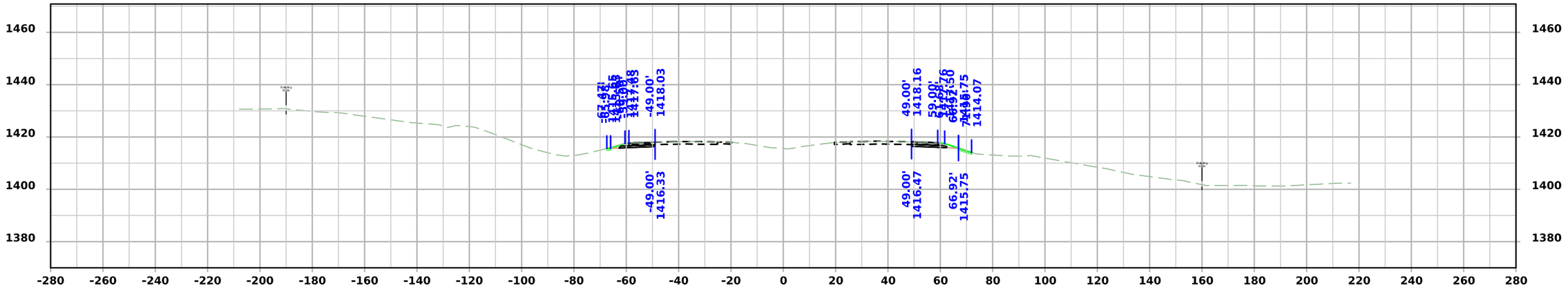


STA 1226+25.00

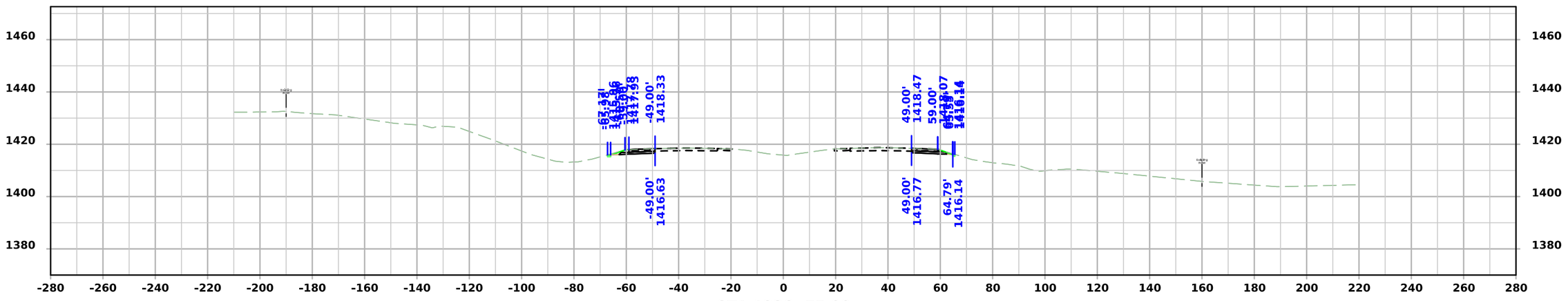
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.5

11:24:44 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W02.dgn

I-80



STA 1227+00.00

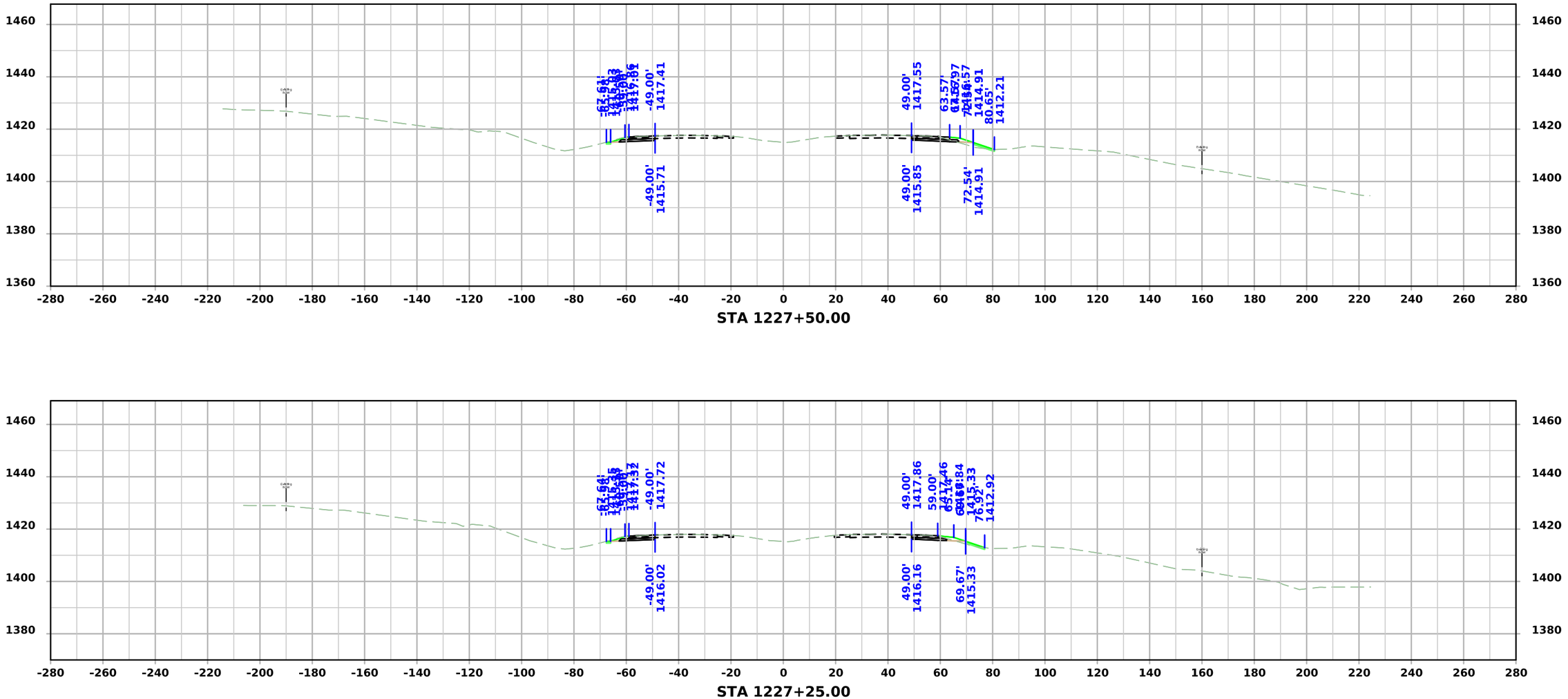


STA 1226+75.00

FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.6

11:24:44 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W02.dgn

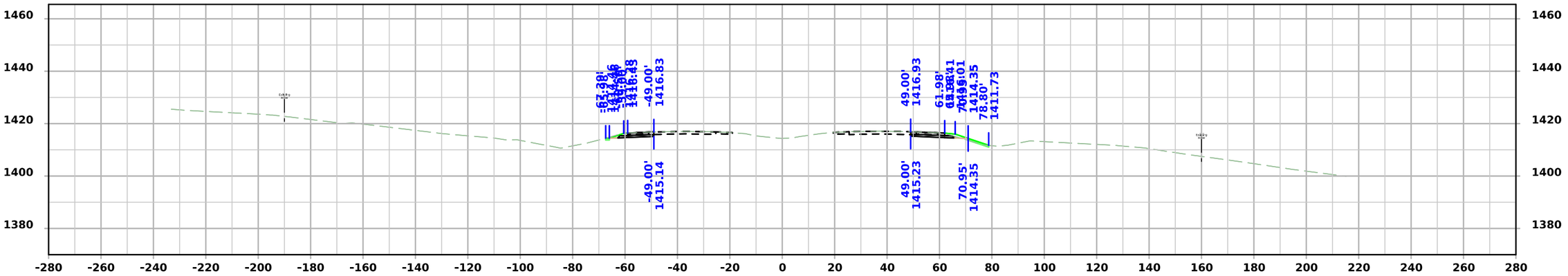
I-80



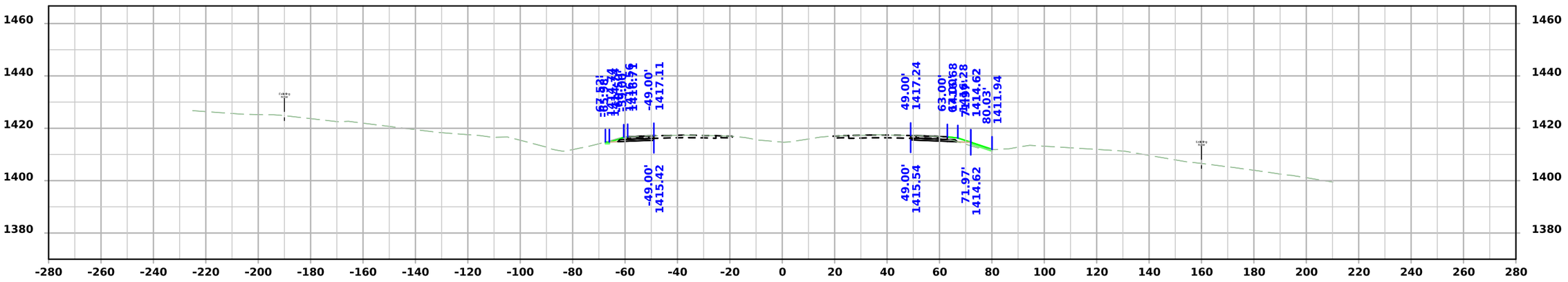
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.7

11:24:45 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W02.dgn

I-80



STA 1228+00.00

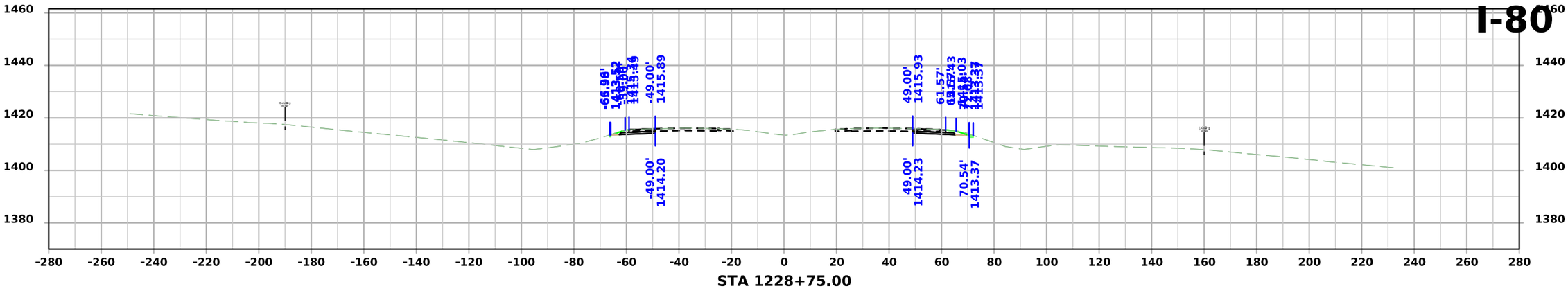


STA 1227+75.00

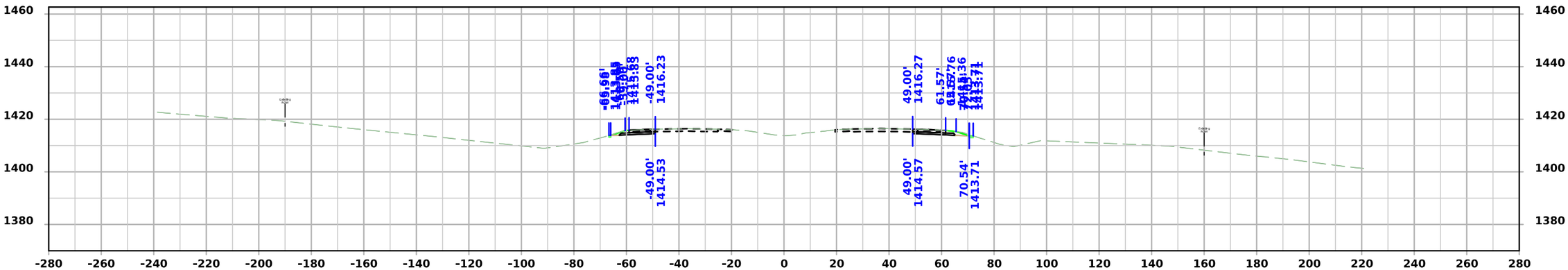
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.8

11:24:45 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W02.dgn

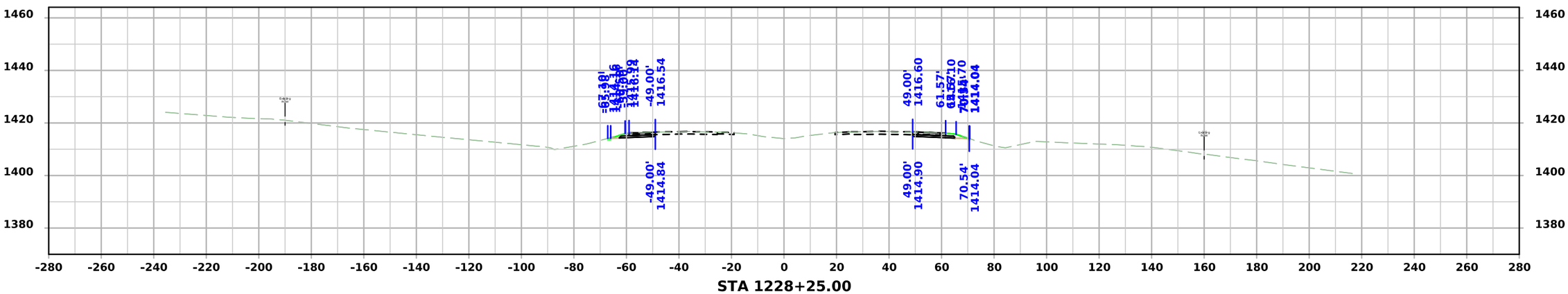
I-80



STA 1228+75.00



STA 1228+50.00

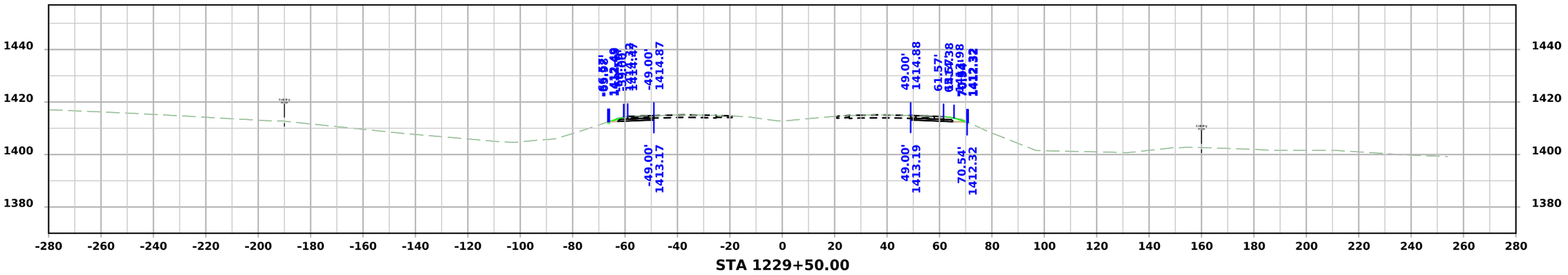


STA 1228+25.00

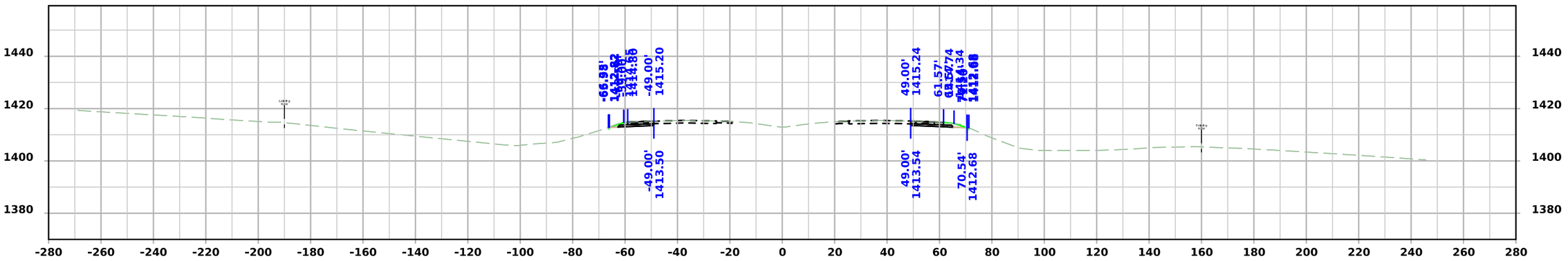
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.9

11:24:46 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W02.dgn

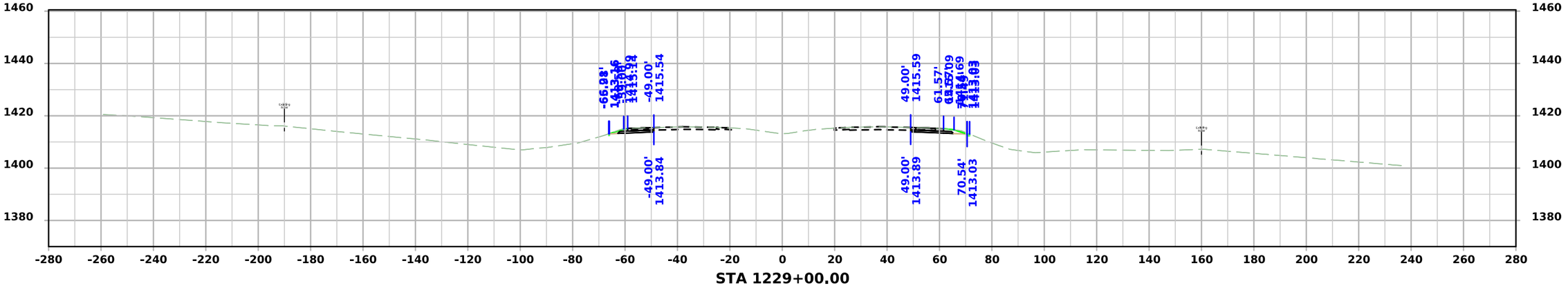
I-80



STA 1229+50.00



STA 1229+25.00

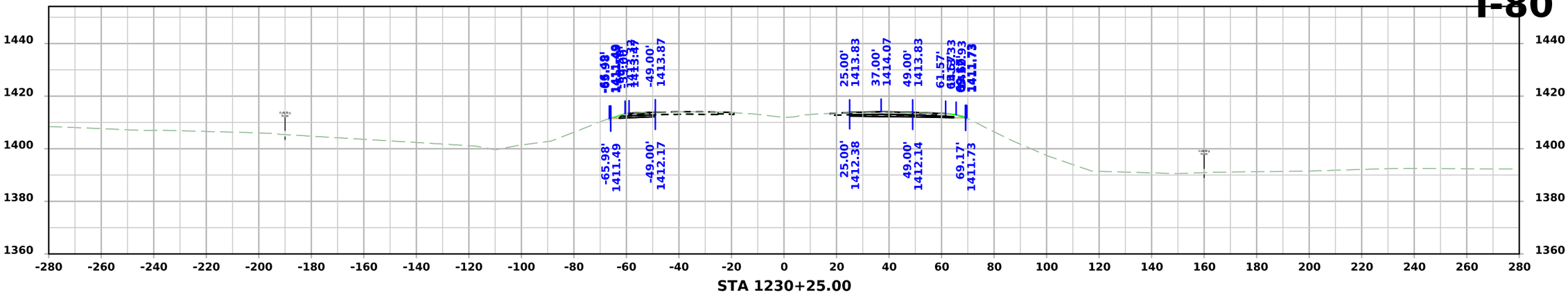


STA 1229+00.00

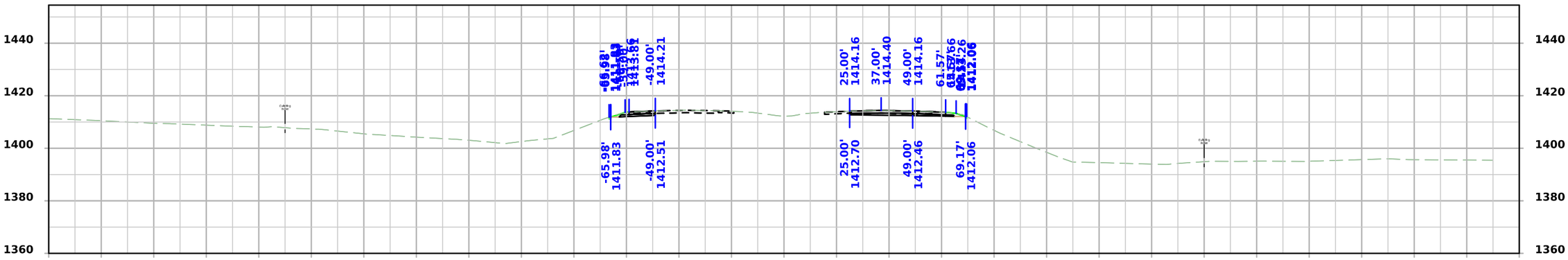
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.10

11:24:46 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W02.dgn

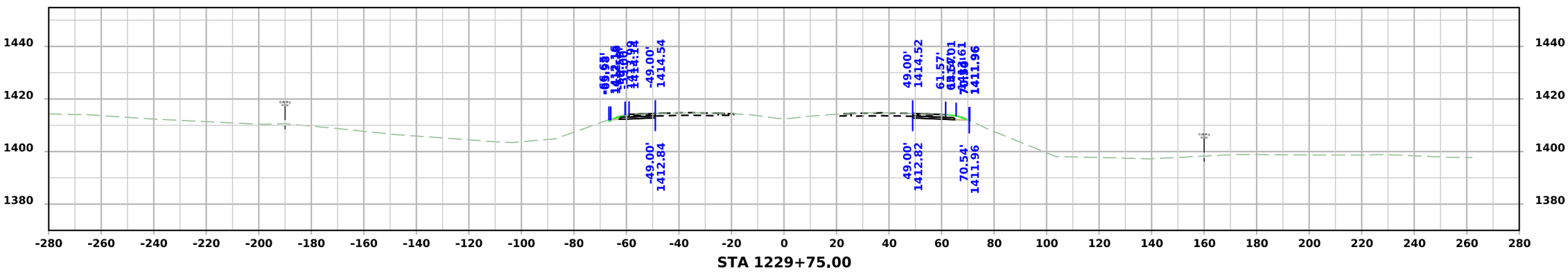
I-80



STA 1230+25.00



STA 1230+00.00

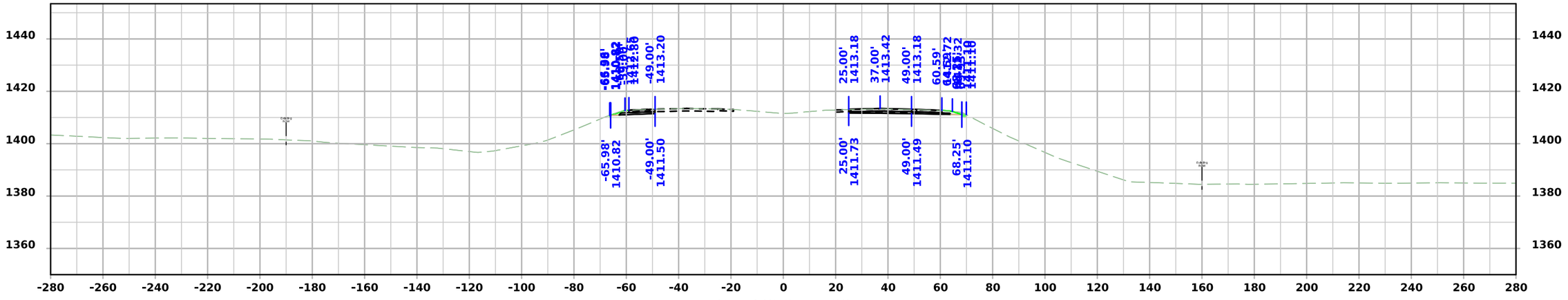


STA 1229+75.00

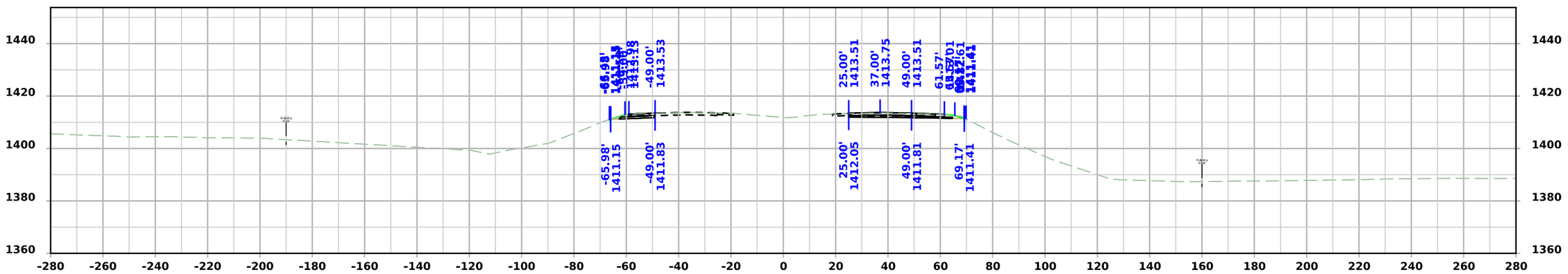
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.11

11:24:47 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W02.dgn

I-80



STA 1230+75.00

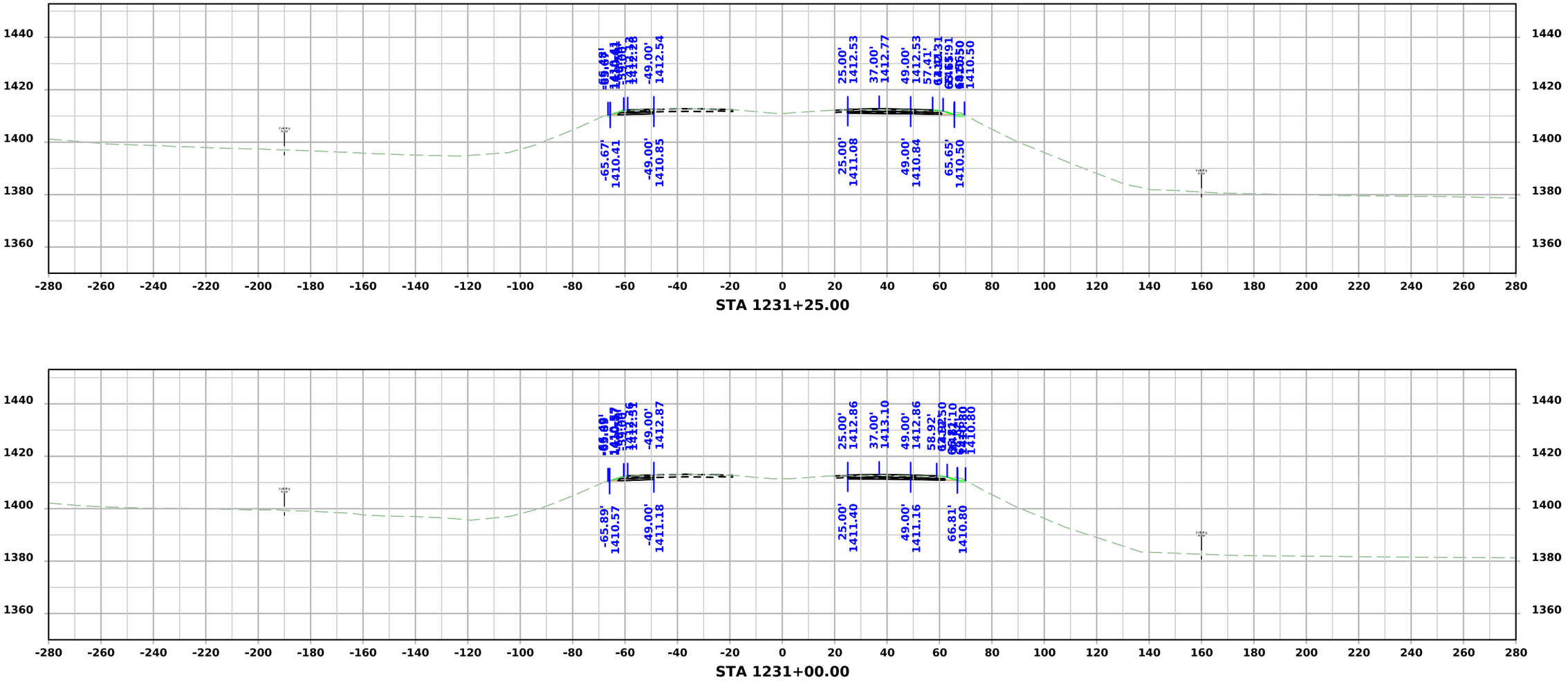


STA 1230+50.00

FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.12

11:24:47 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W02.dgn

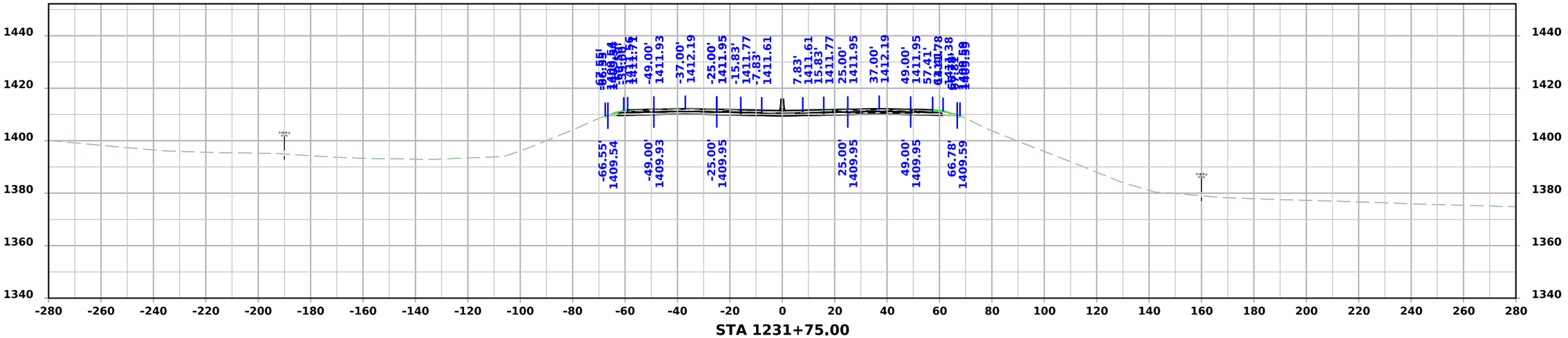
I-80



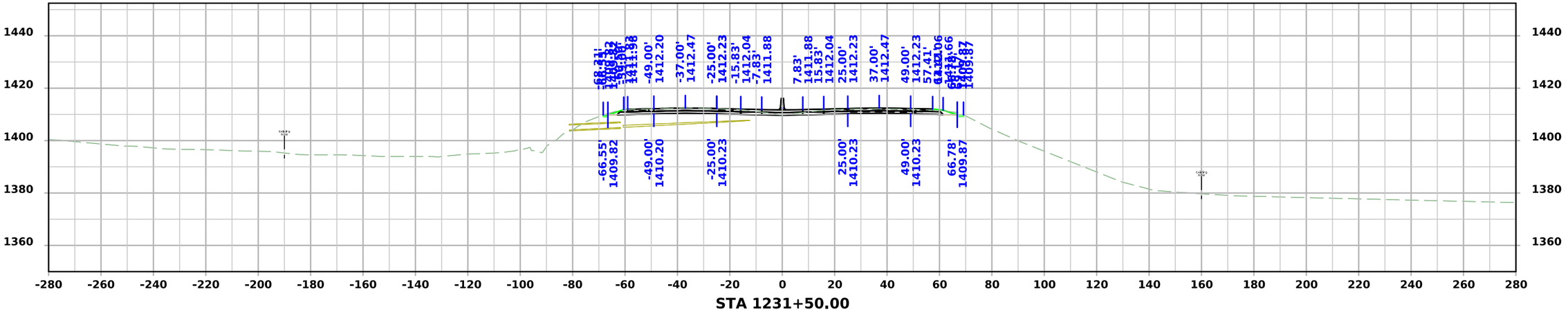
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.13

11:24:48 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W02.dgn

I-80



STA 1231+75.00

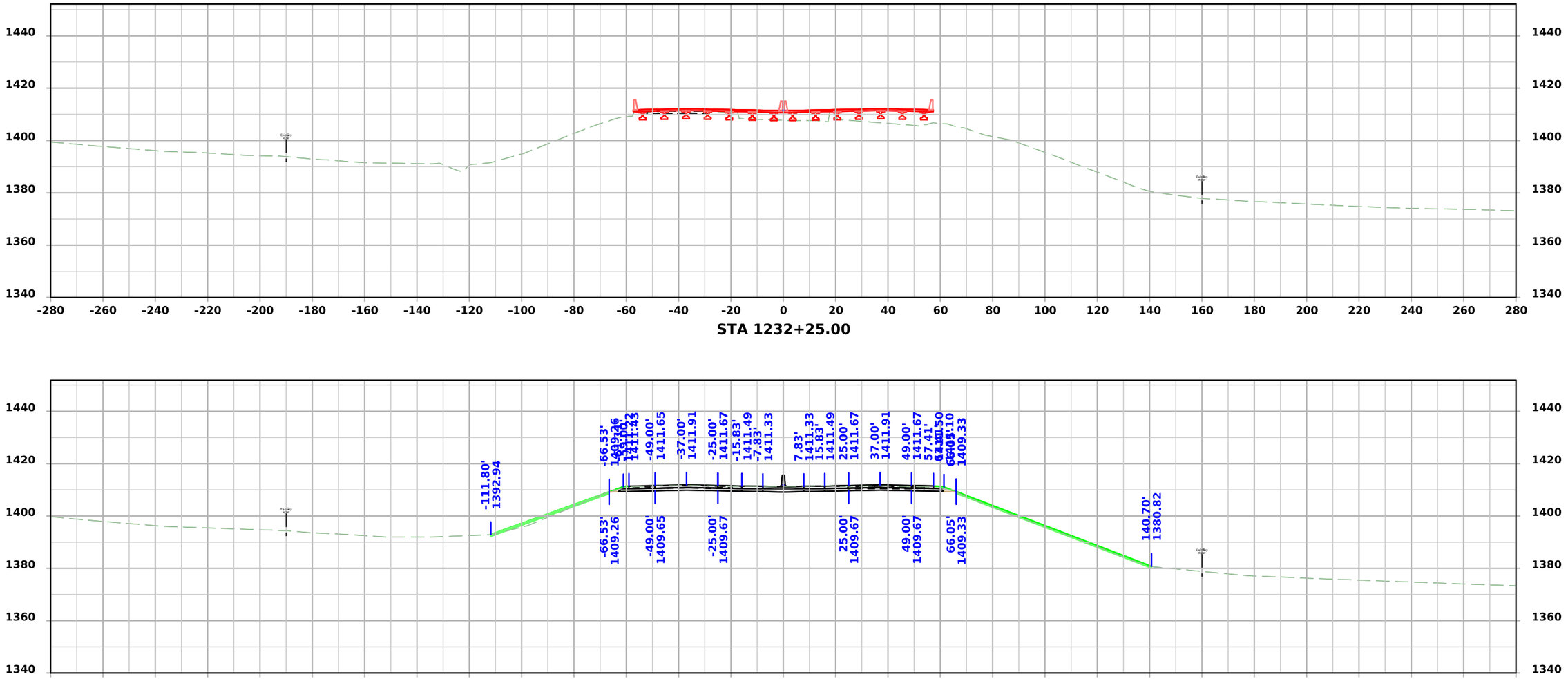


STA 1231+50.00

FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.14

11:24:49 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W02.dgn

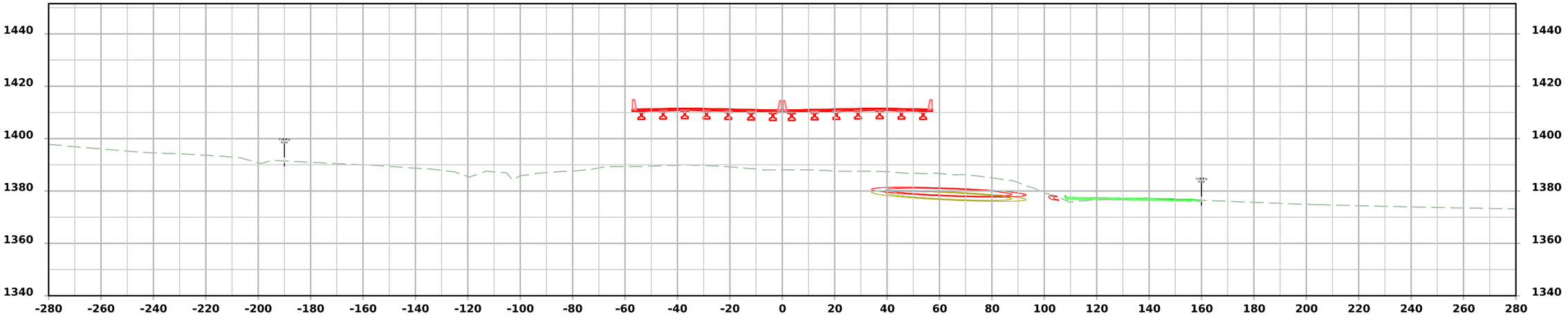
I-80



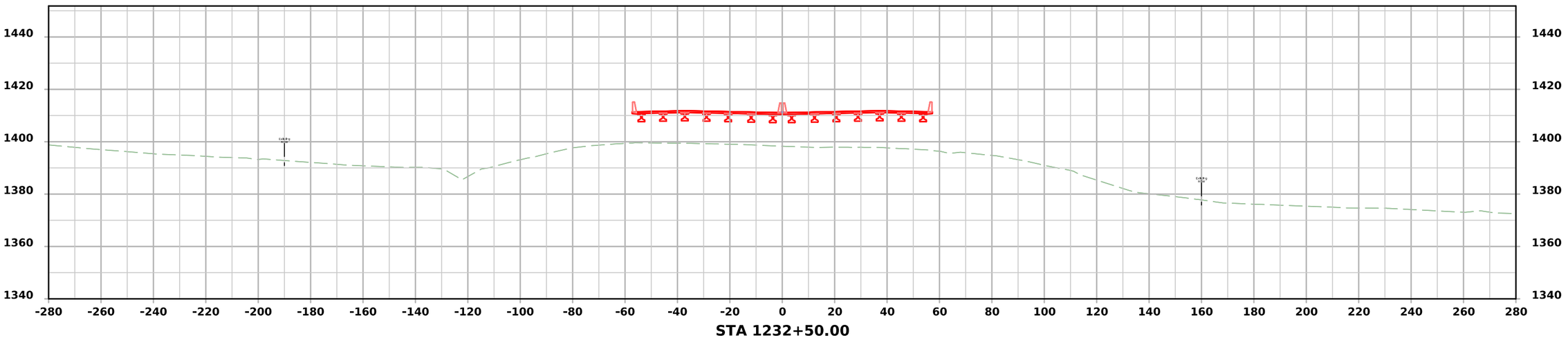
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.15

11:24:49 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W02.dgn

I-80



STA 1232+75.00

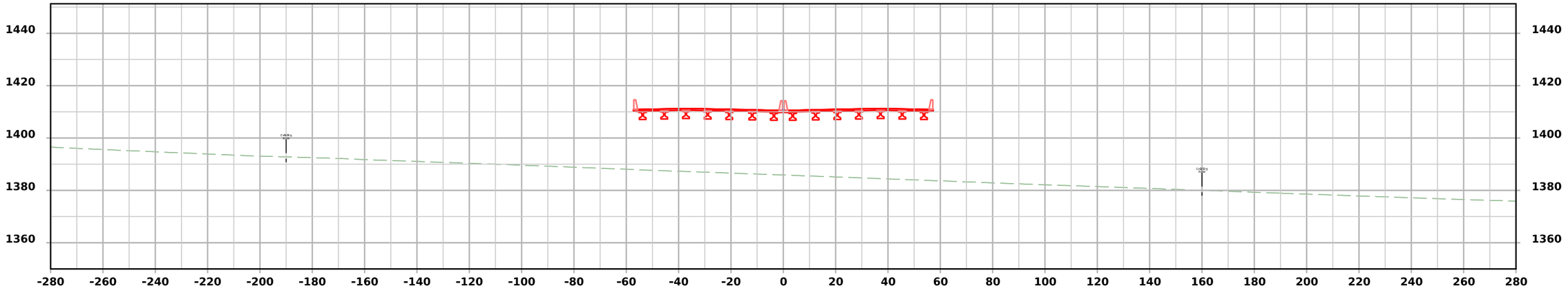


STA 1232+50.00

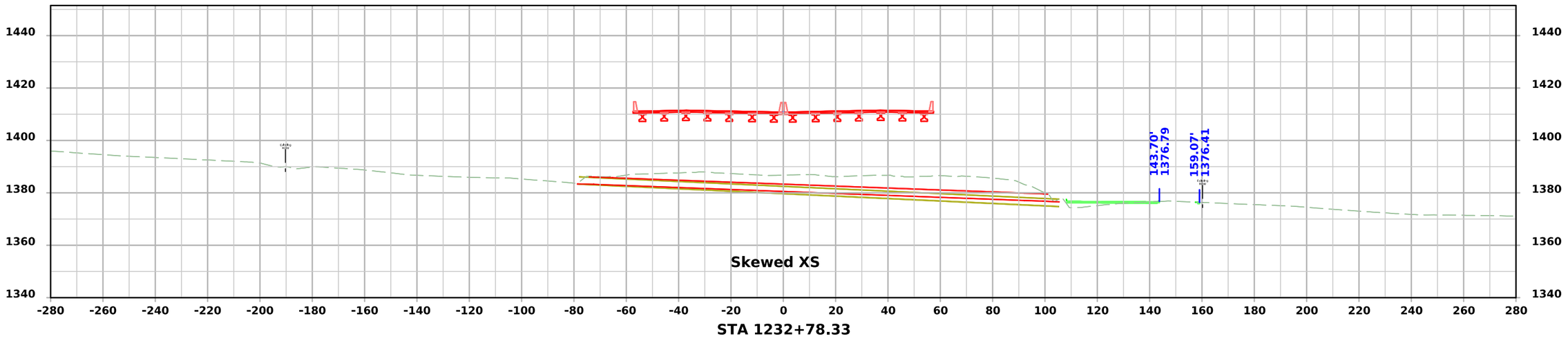
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.16	

11:24:50 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W02.dgn

I-80



STA 1233+00.00

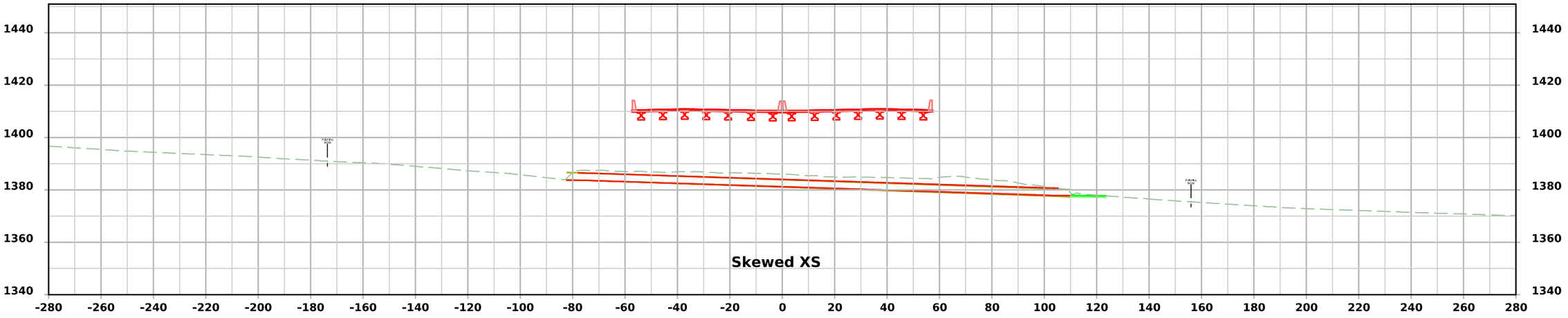


STA 1232+78.33

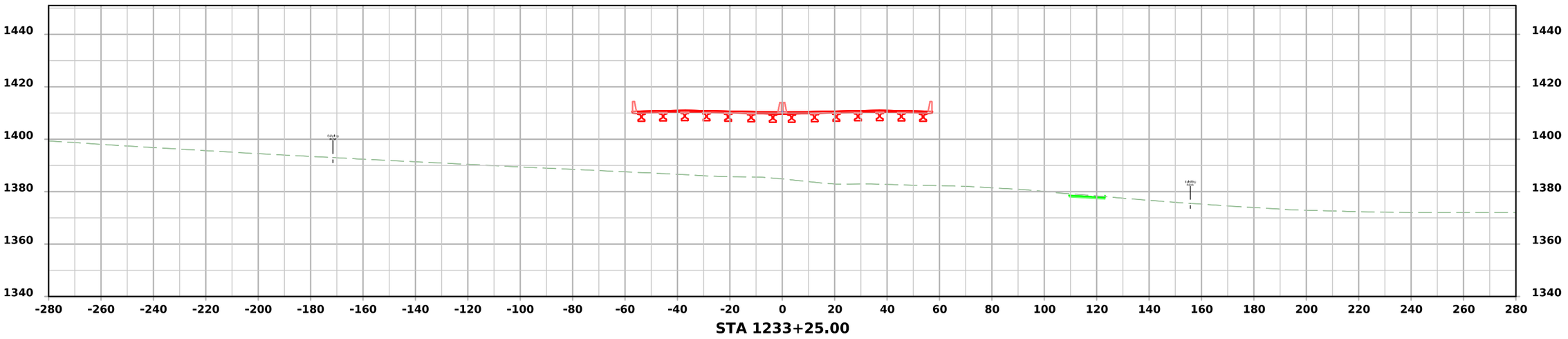
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.17

11:24:51 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W02.dgn

I-80



STA 1233+34.65

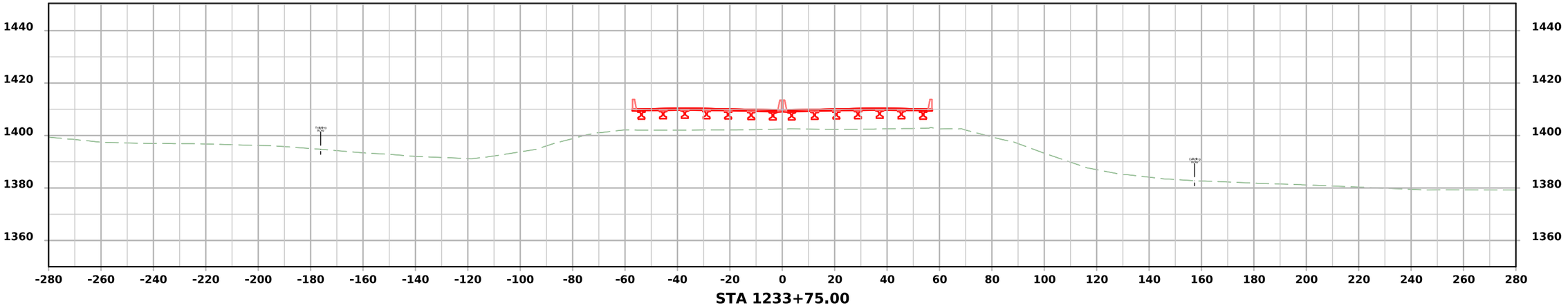


STA 1233+25.00

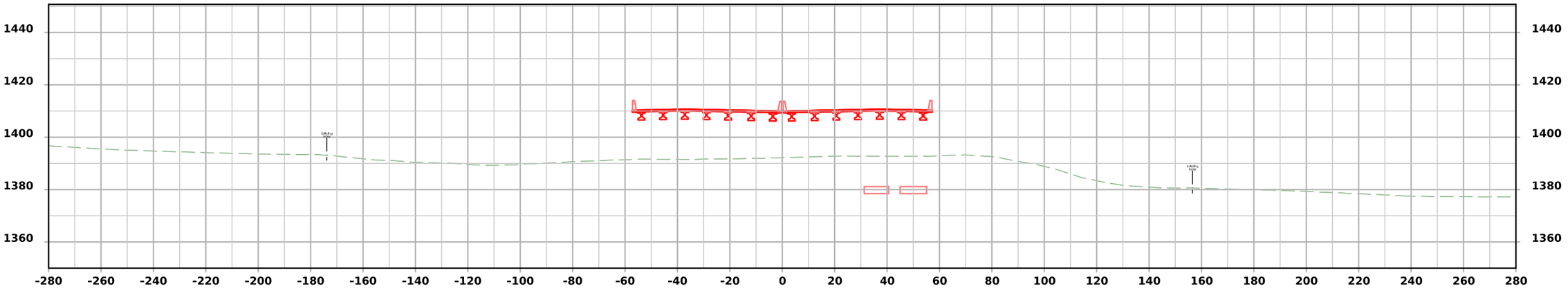
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.18

11:24:52 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W02.dgn

I-80



STA 1233+75.00

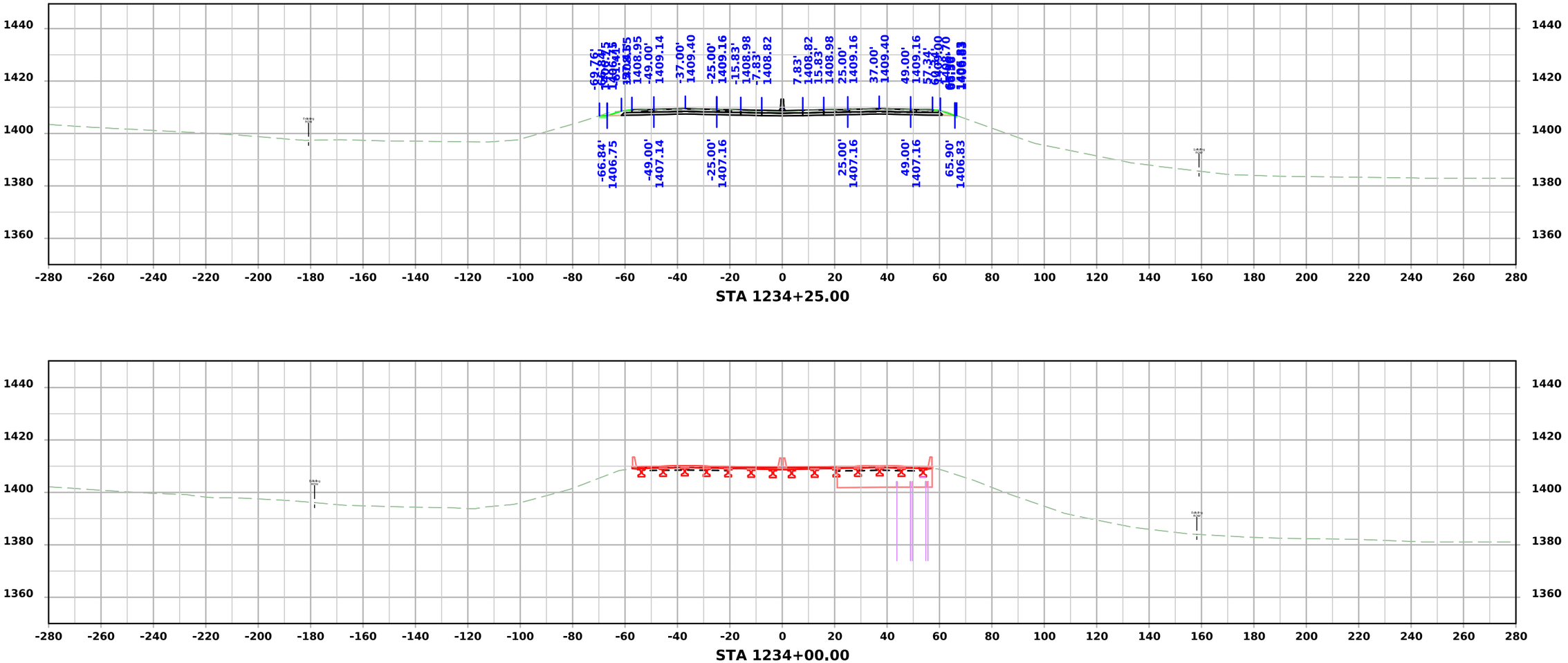


STA 1233+50.00

FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.19

11:24:53 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W02.dgn

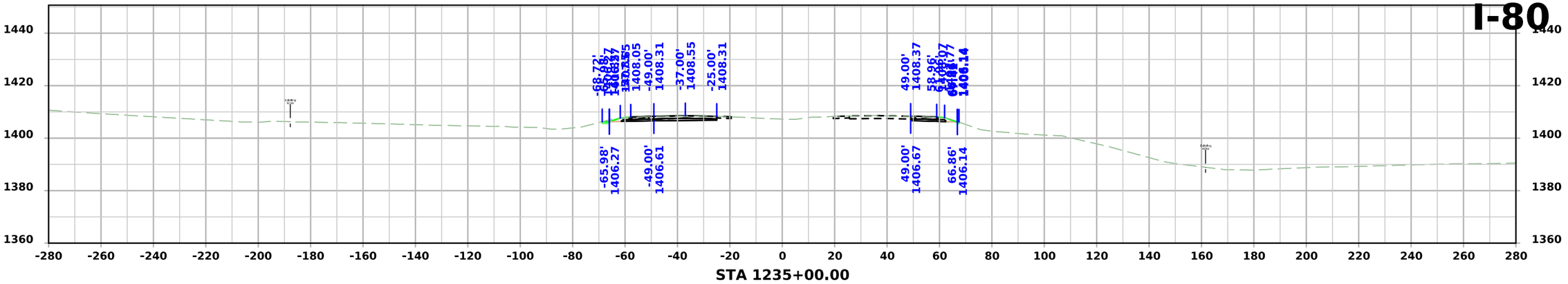
I-80

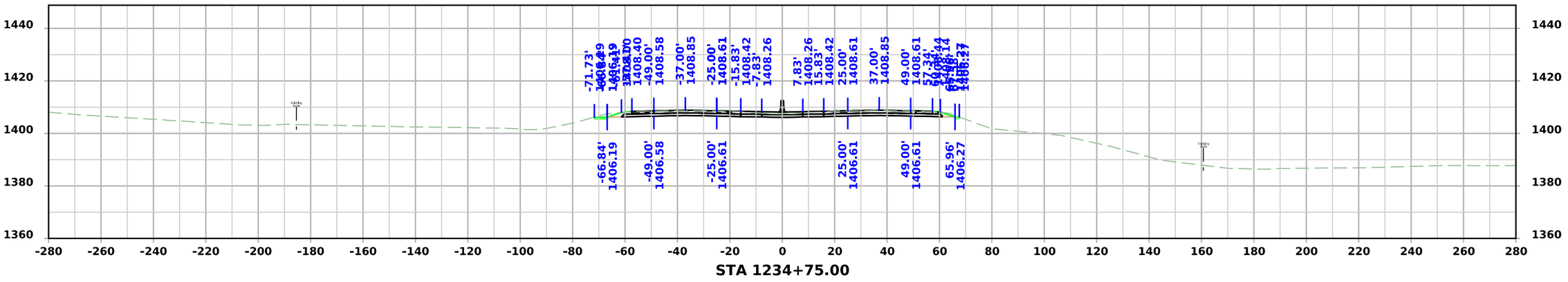


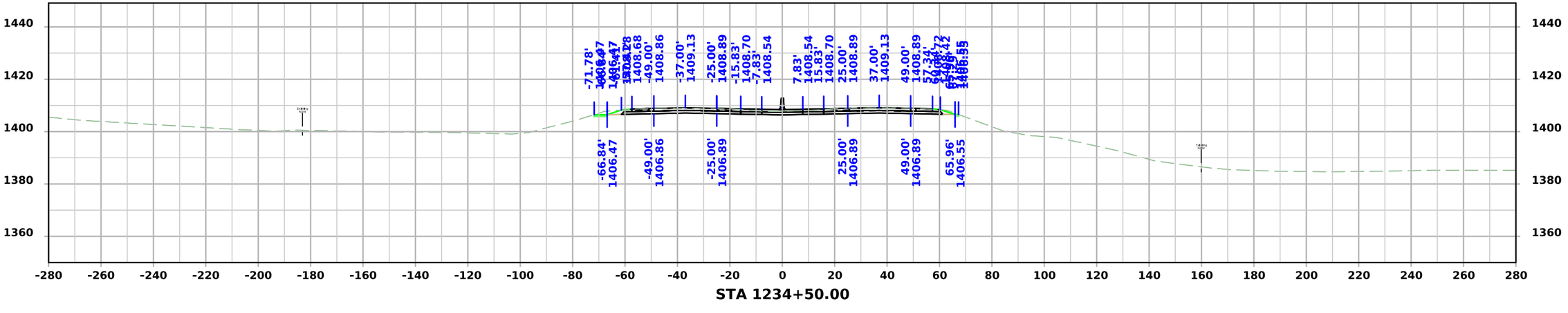
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.20

11:24:54 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W02.dgn

I-80



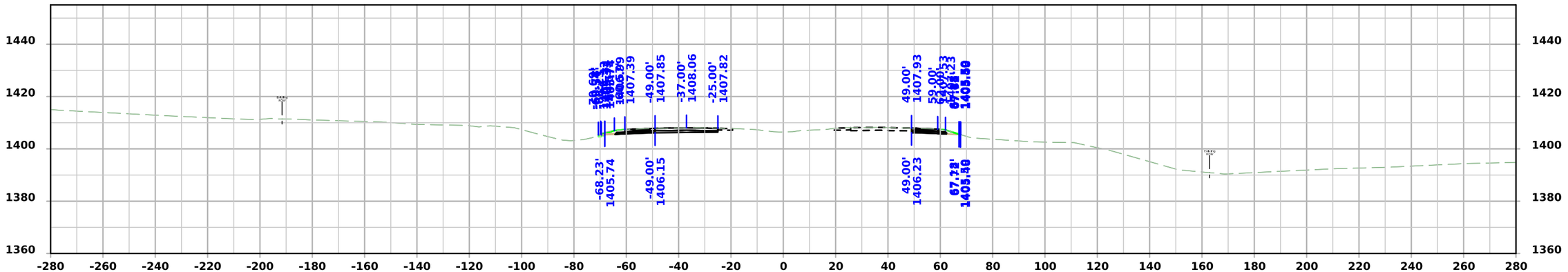




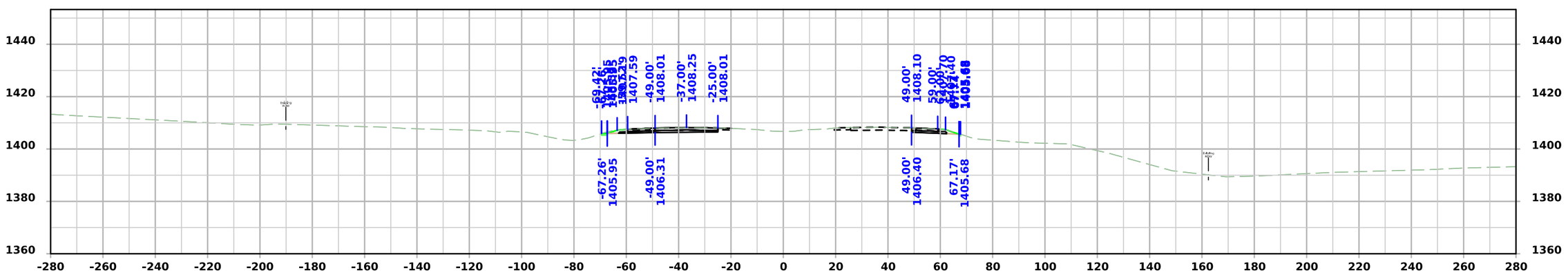
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.21	

11:24:55 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W02.dgn

I-80



STA 1235+40.79

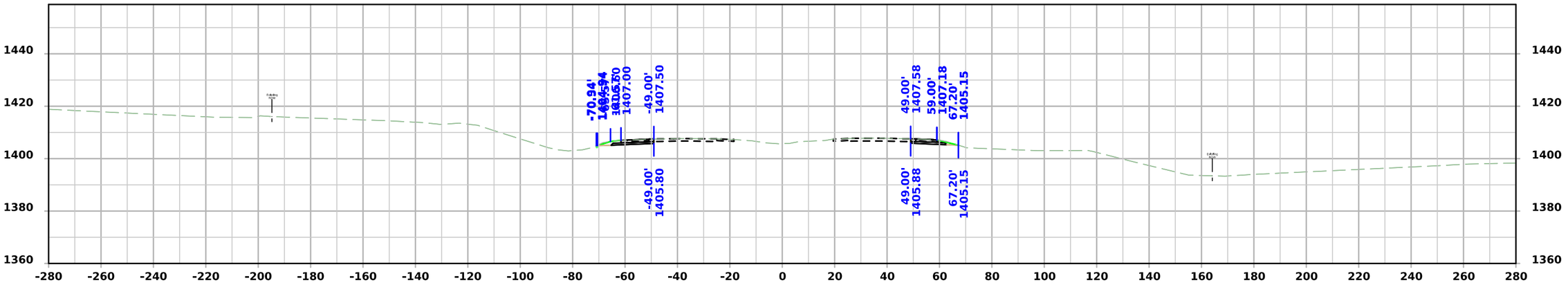


STA 1235+25.00

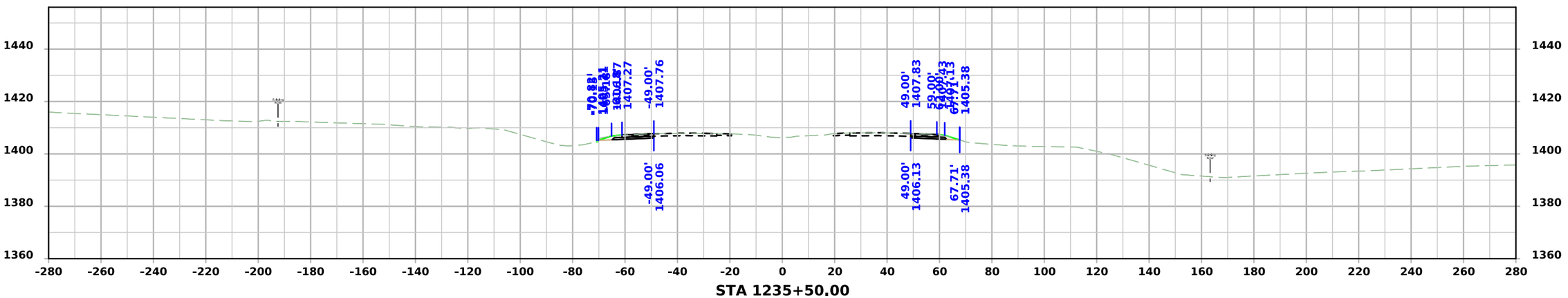
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.22

11:24:55 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W02.dgn

I-80



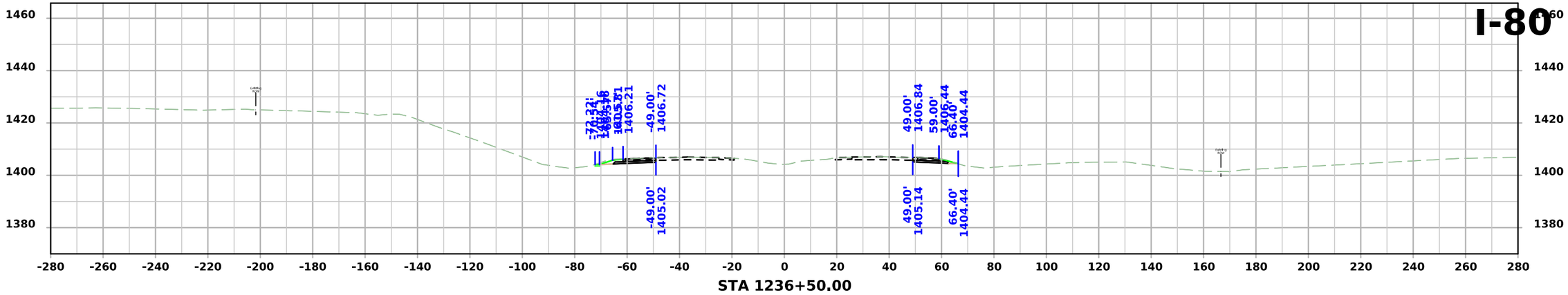
STA 1235+75.00



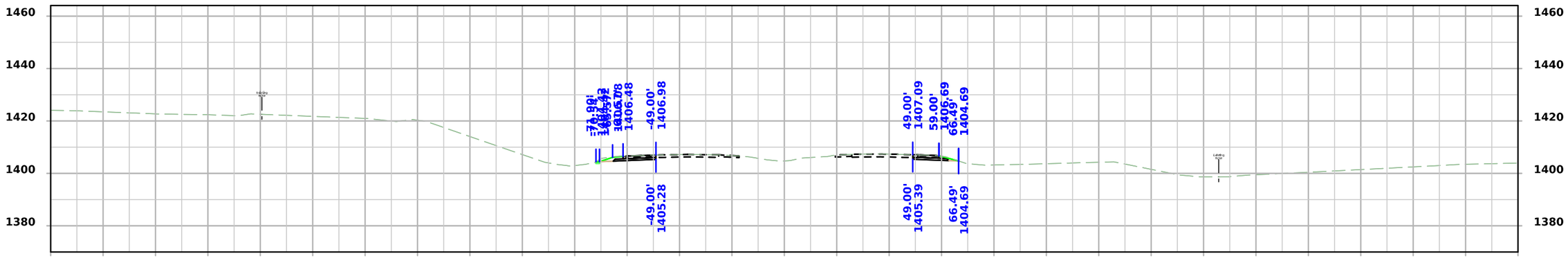
STA 1235+50.00

FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.23

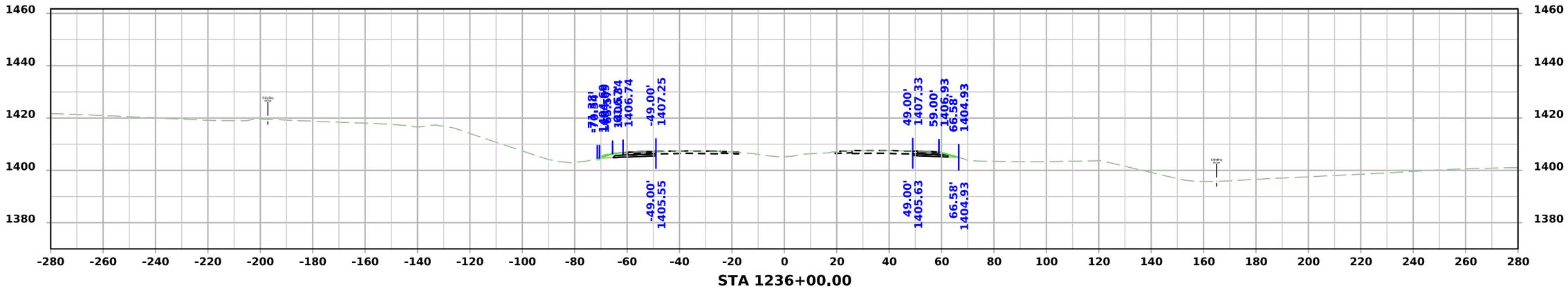
11:24:56 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W02.dgn



STA 1236+50.00



STA 1236+25.00

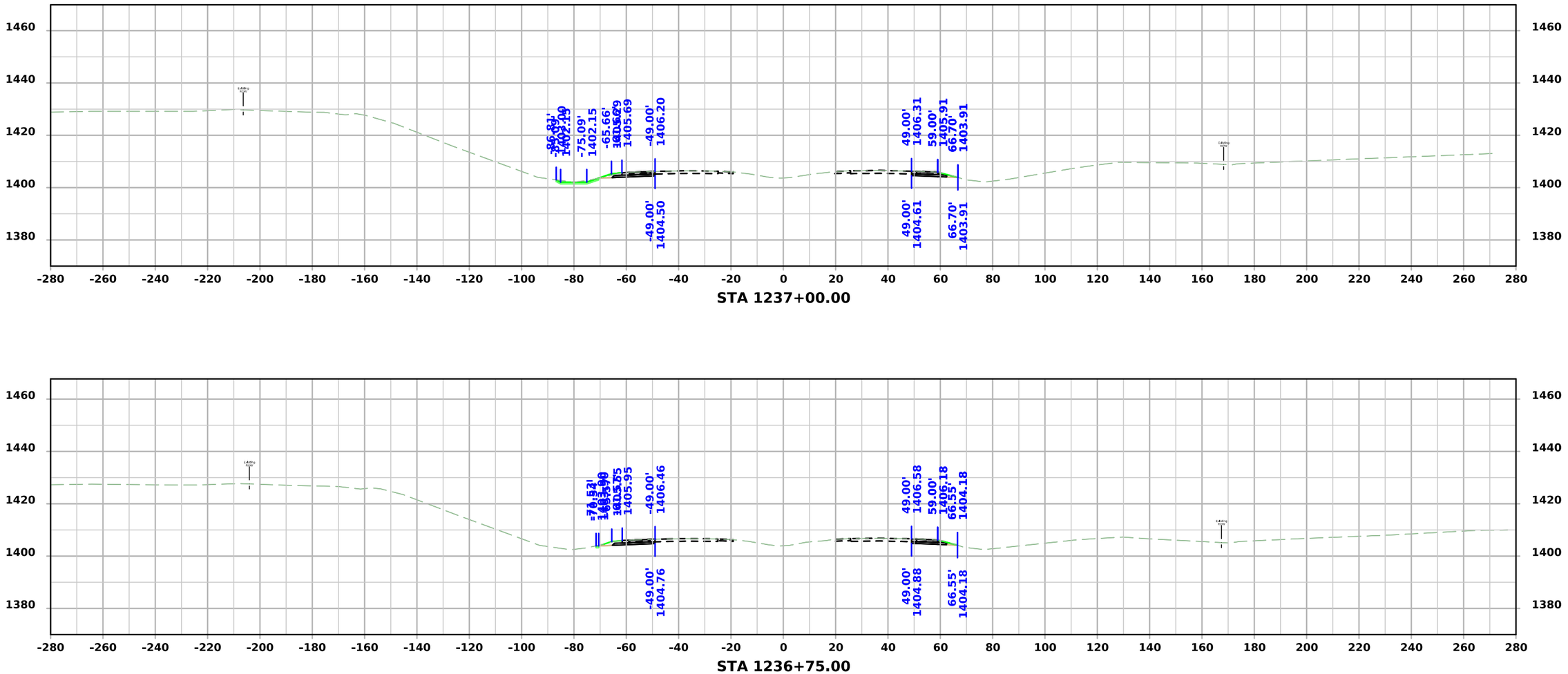


STA 1236+00.00

FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.24

11:24:56 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W02.dgn

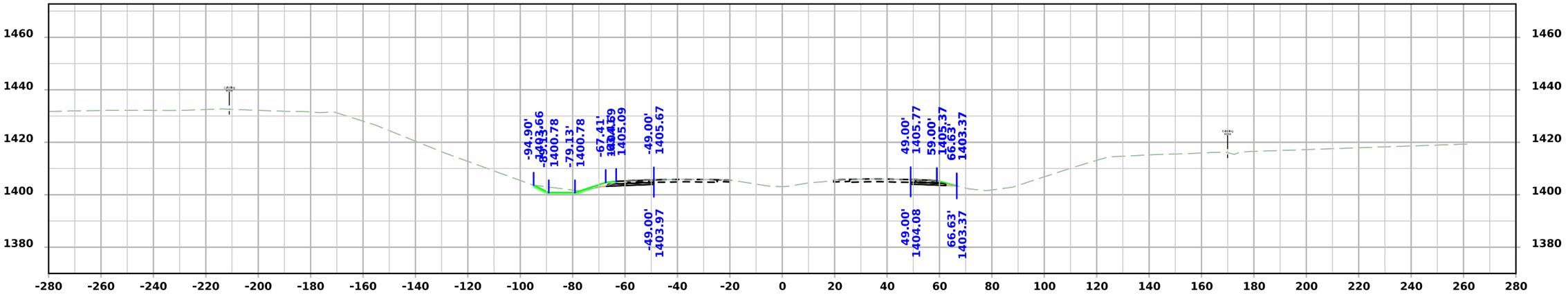
I-80



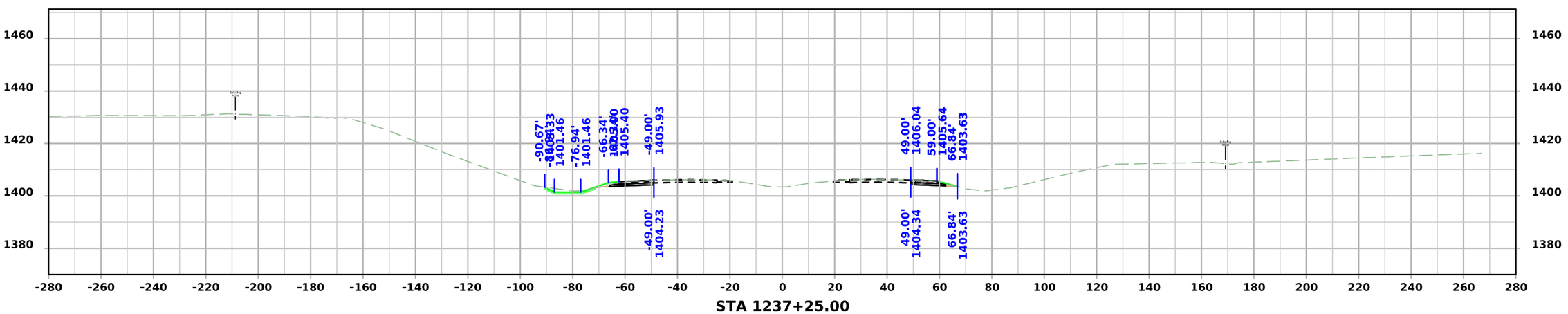
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.25

11:24:57 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W02.dgn

I-80



STA 1237+50.00

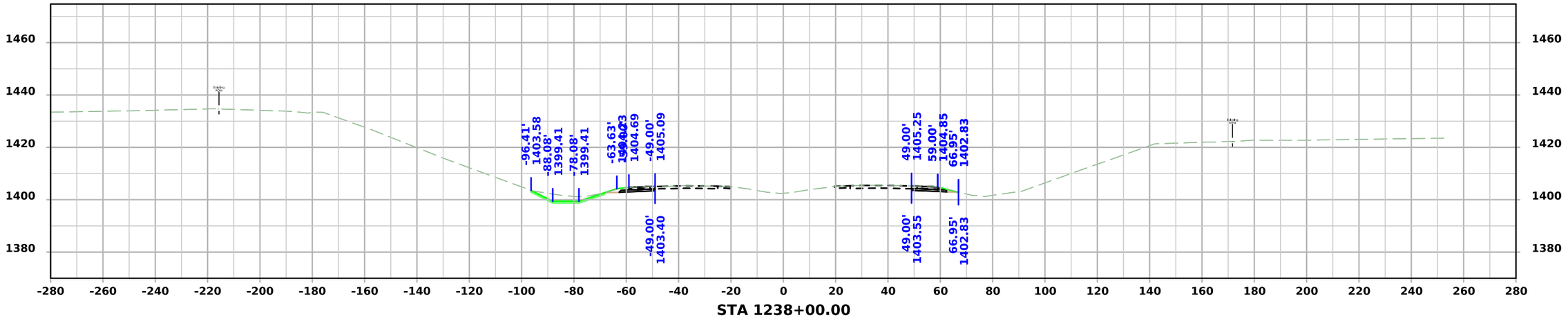


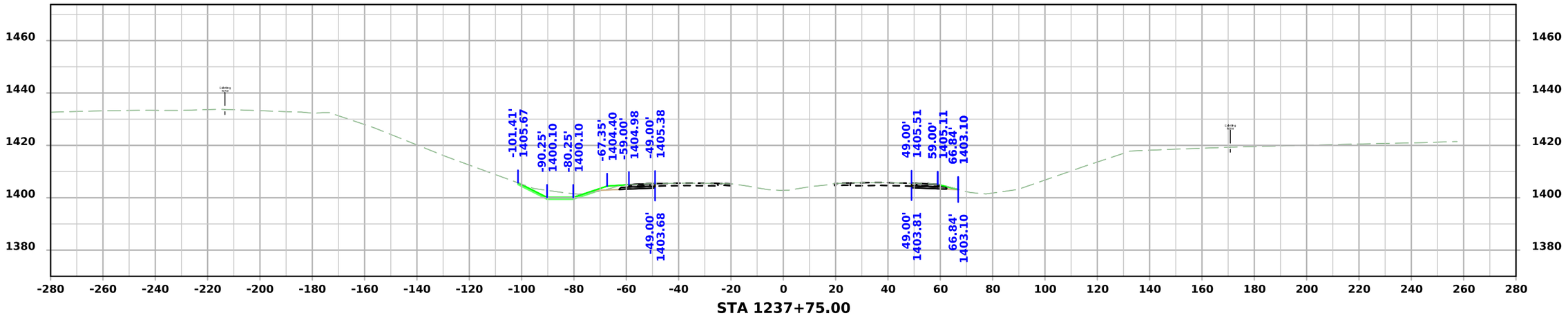
STA 1237+25.00

FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.26

11:24:57 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W02.dgn

I-80

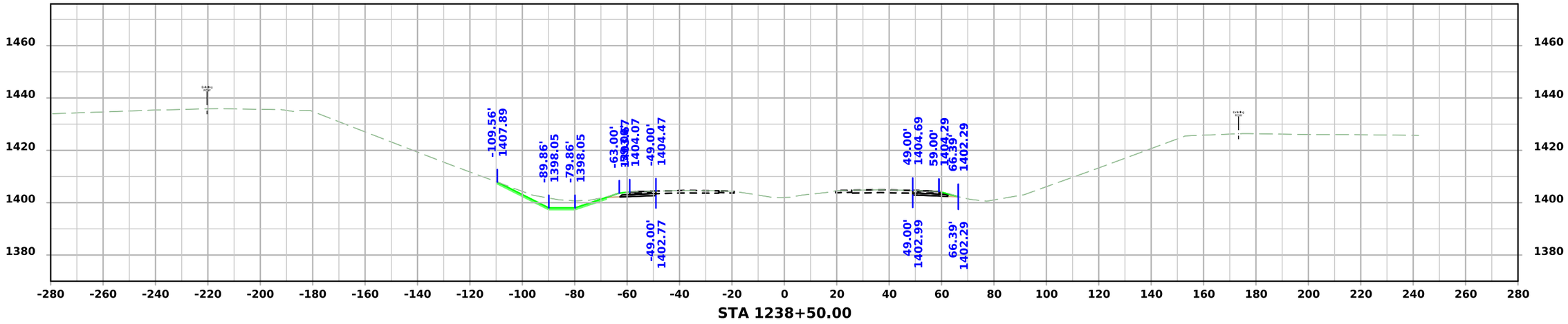




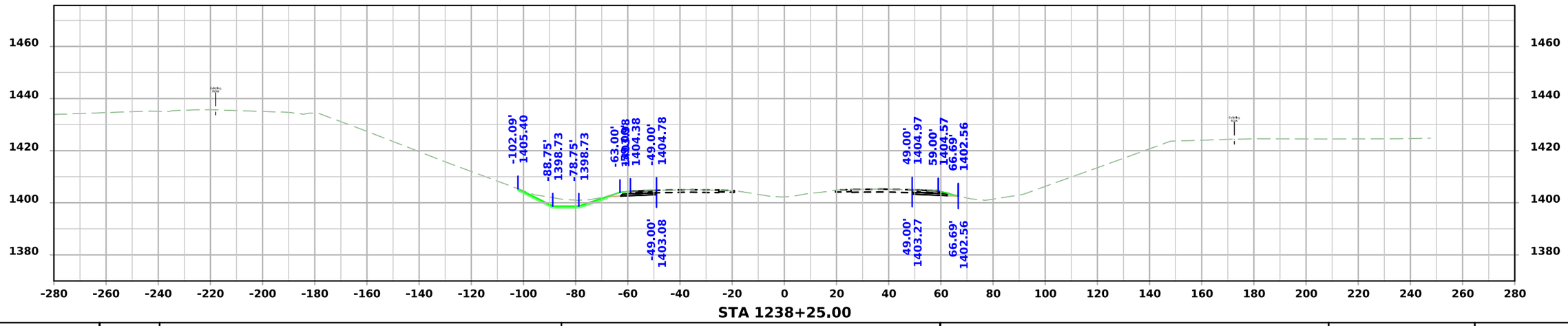
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.27	

11:24:58 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W02.dgn

I-80



STA 1238+50.00

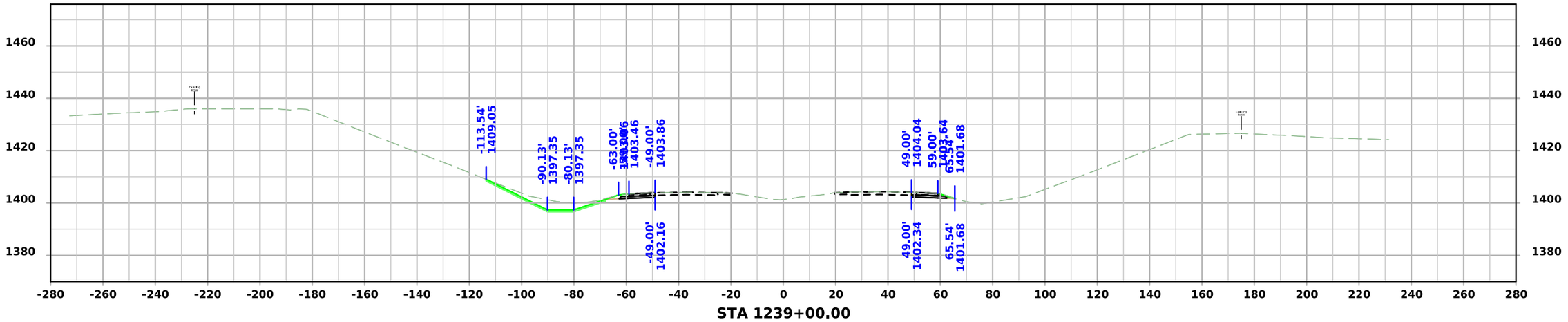


STA 1238+25.00

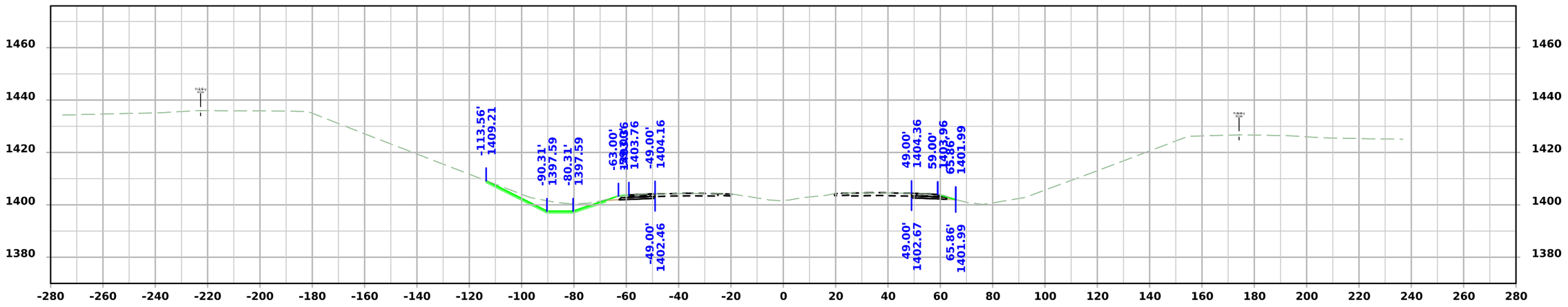
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.28

11:24:58 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W02.dgn

I-80



STA 1239+00.00

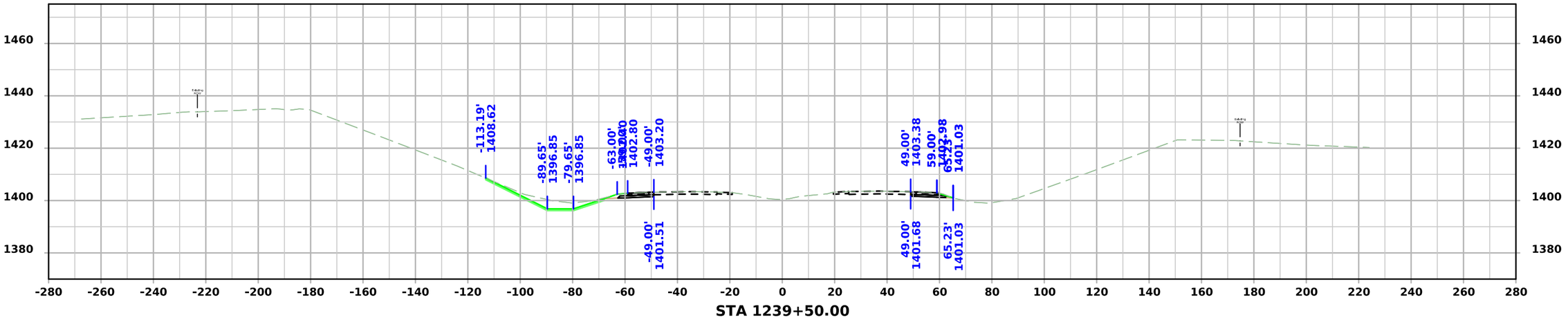


STA 1238+75.00

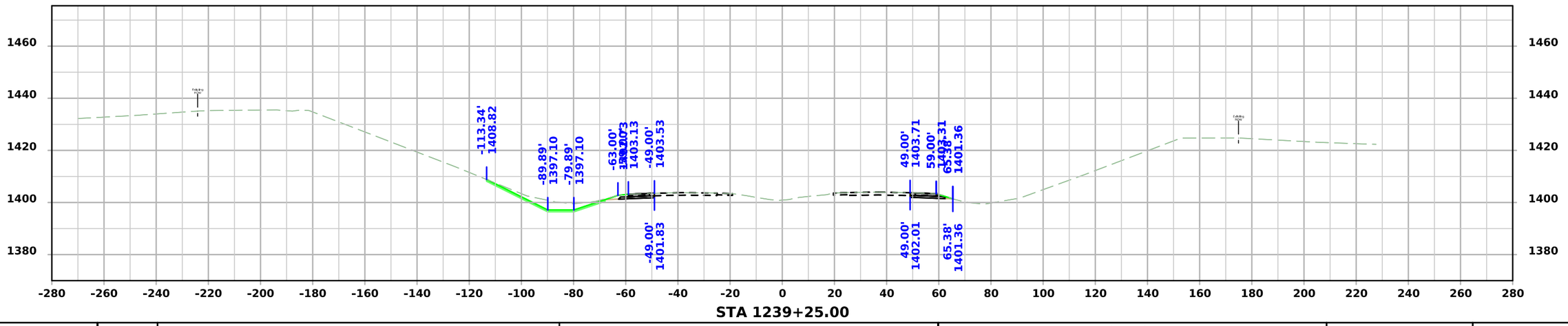
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.29

11:24:59 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W02.dgn

I-80



STA 1239+50.00

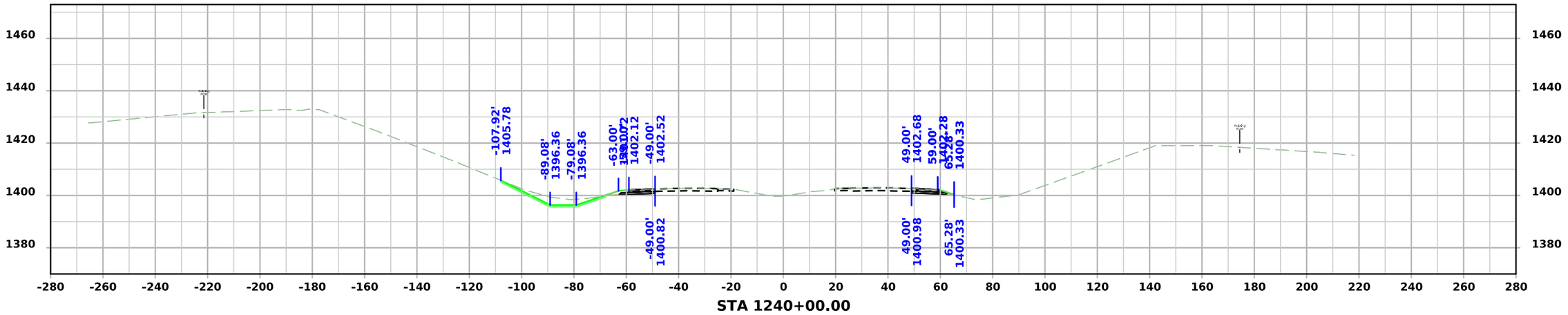


STA 1239+25.00

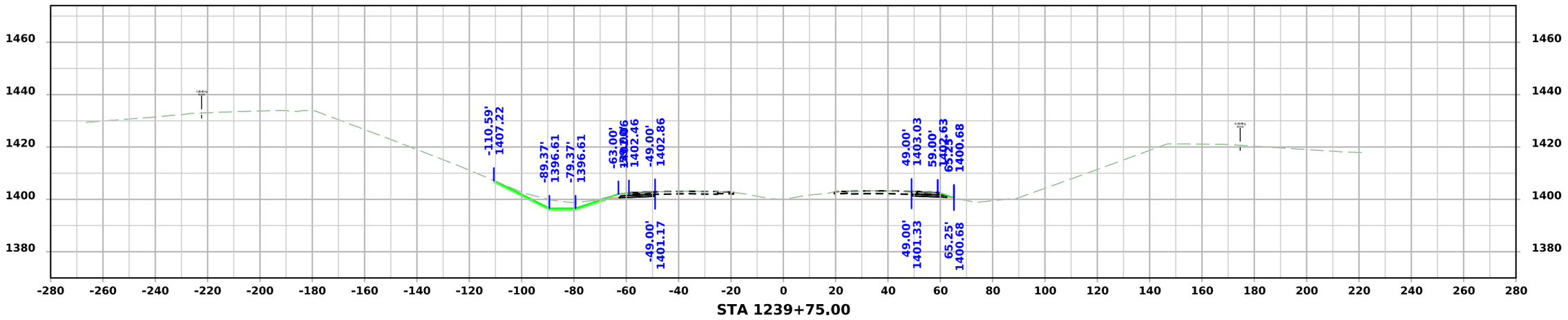
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.30

11:24:59 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W02.dgn

I-80



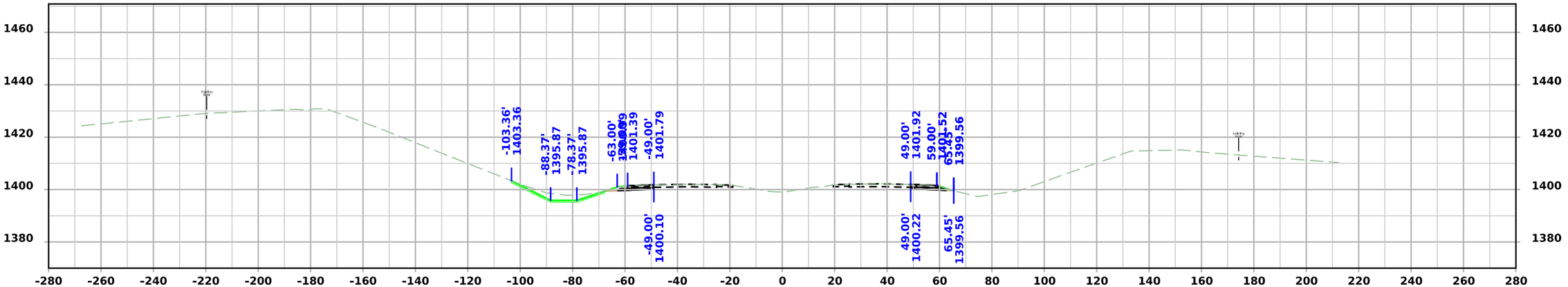
STA 1240+00.00



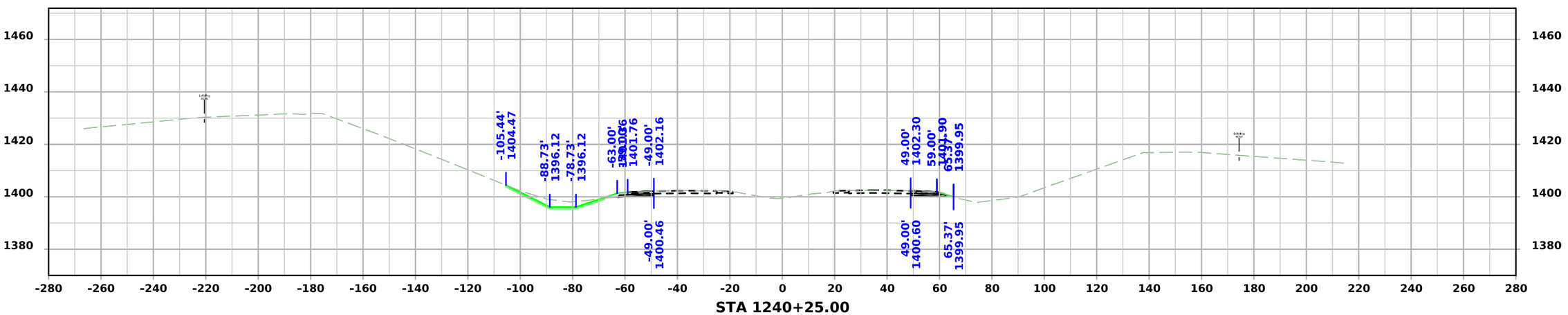
STA 1239+75.00

FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.31	

I-80



STA 1240+50.00

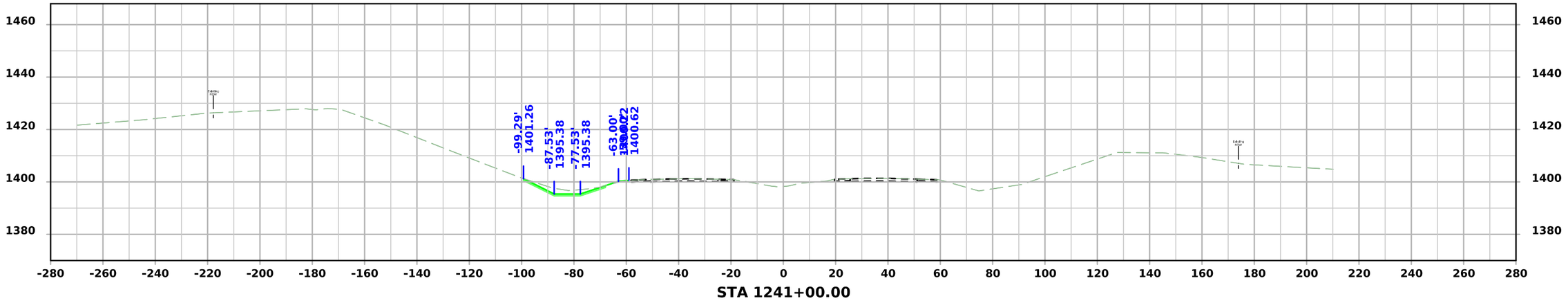


STA 1240+25.00

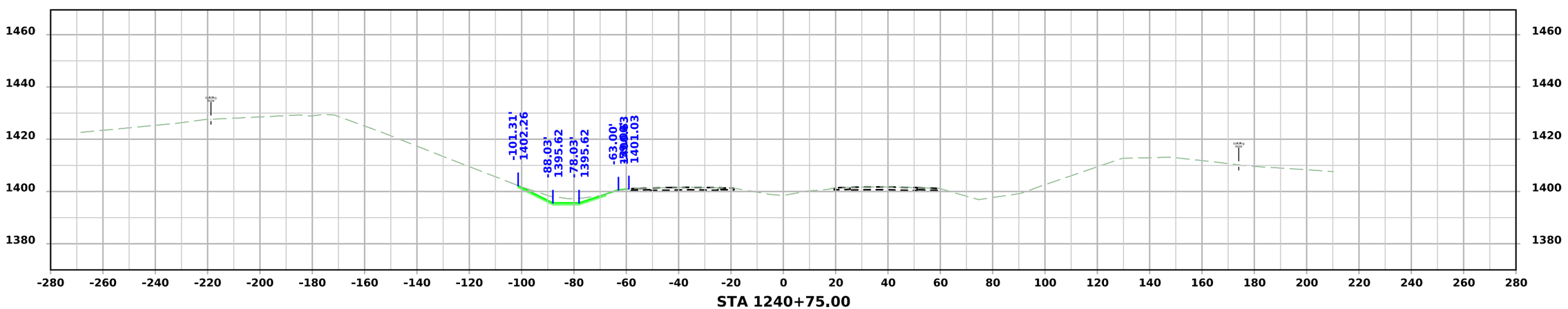
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.32

11:25:00 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W02.dgn

I-80



STA 1241+00.00

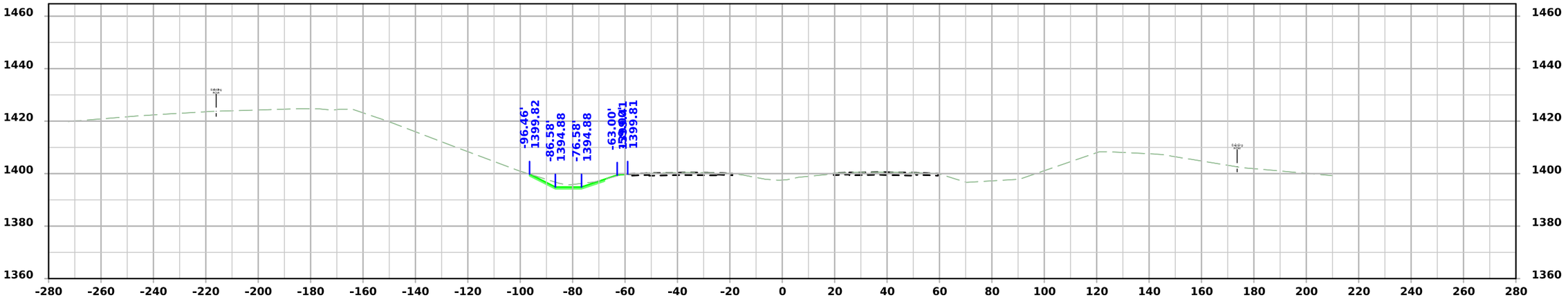


STA 1240+75.00

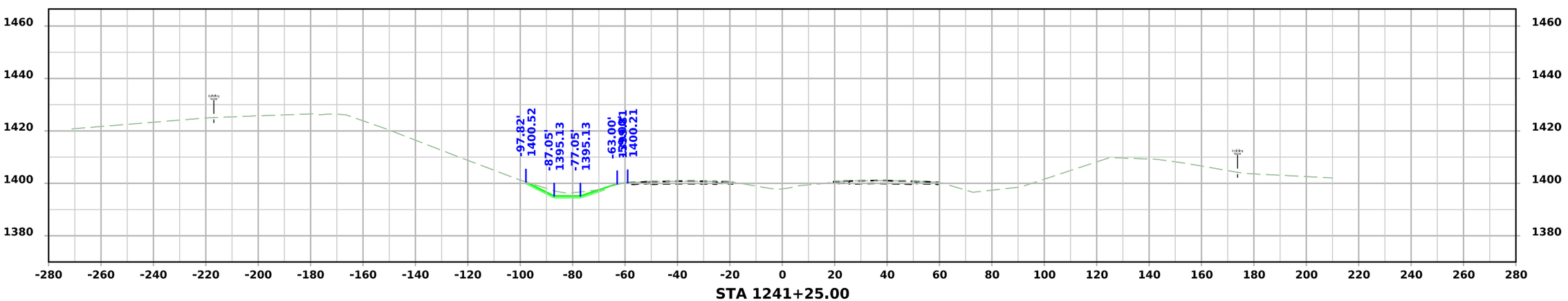
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.33

11:25:01 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W02.dgn

I-80



STA 1241+50.00

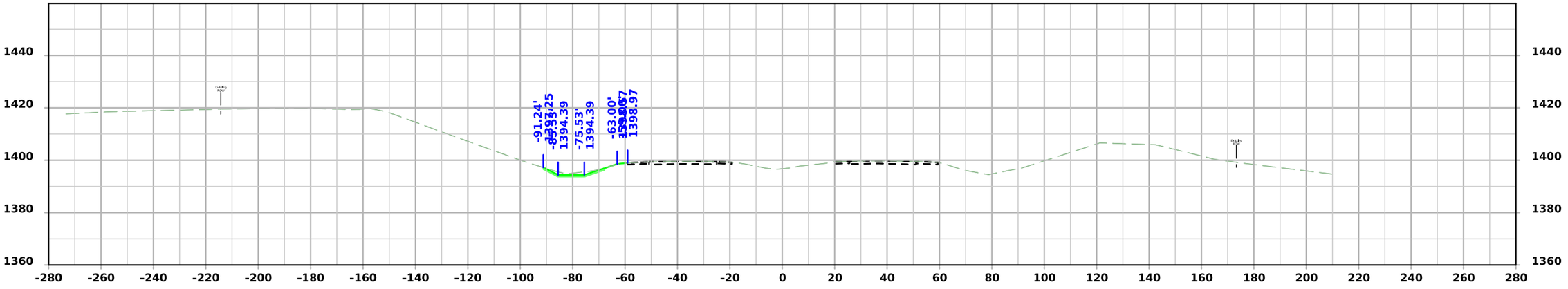


STA 1241+25.00

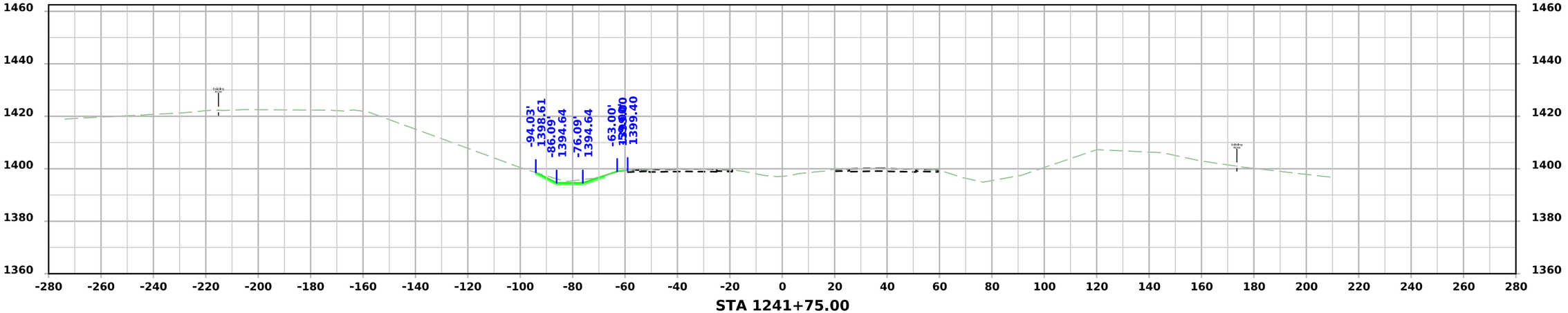
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.34

11:25:01 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W02.dgn

I-80



STA 1242+00.00

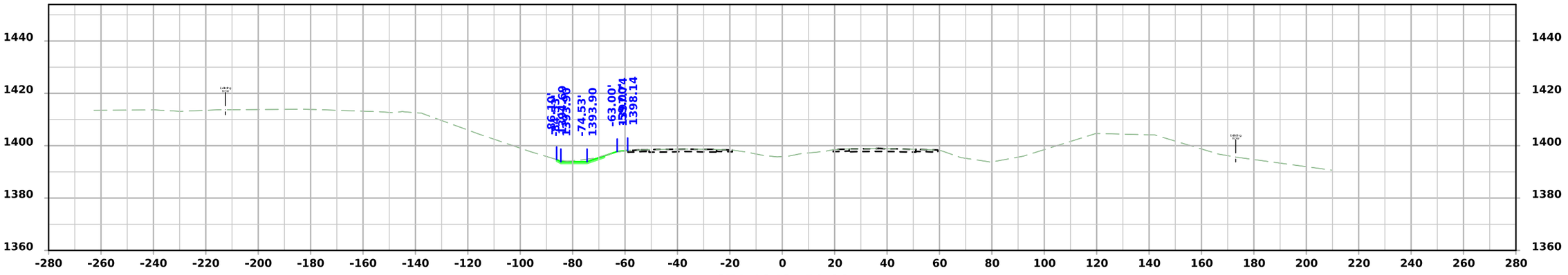


STA 1241+75.00

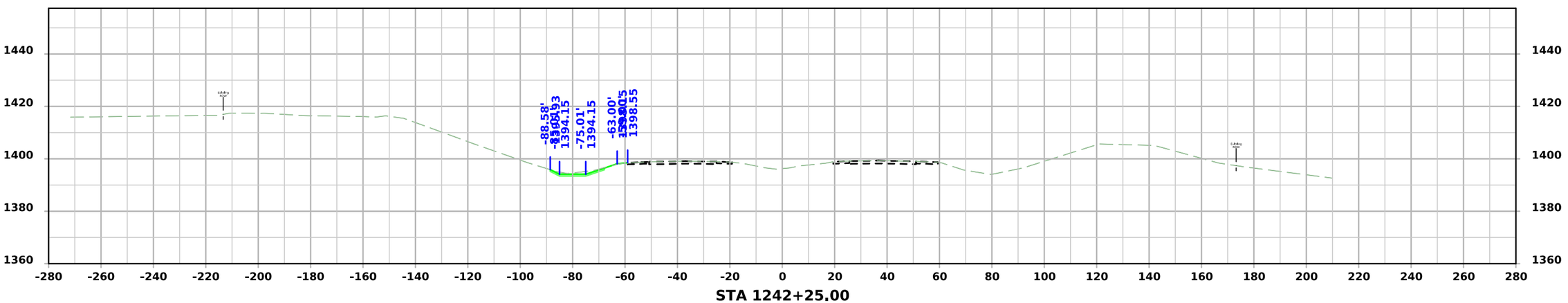
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.35

11:25:01 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W02.dgn

I-80



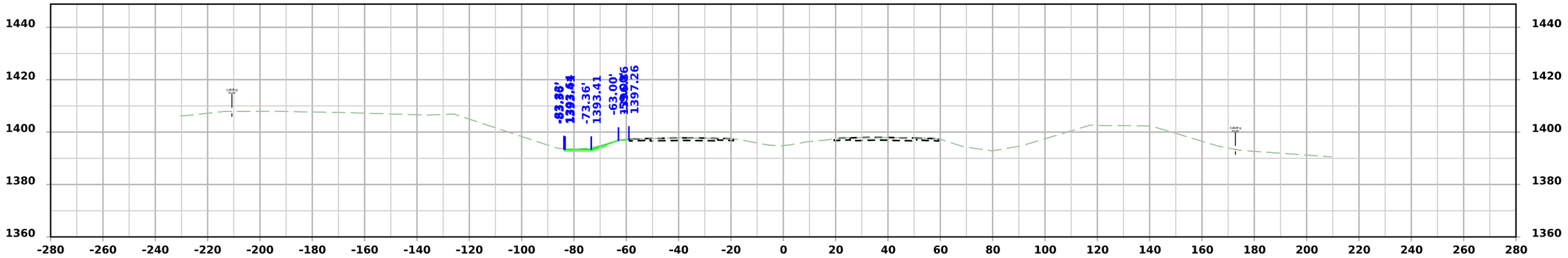
STA 1242+50.00



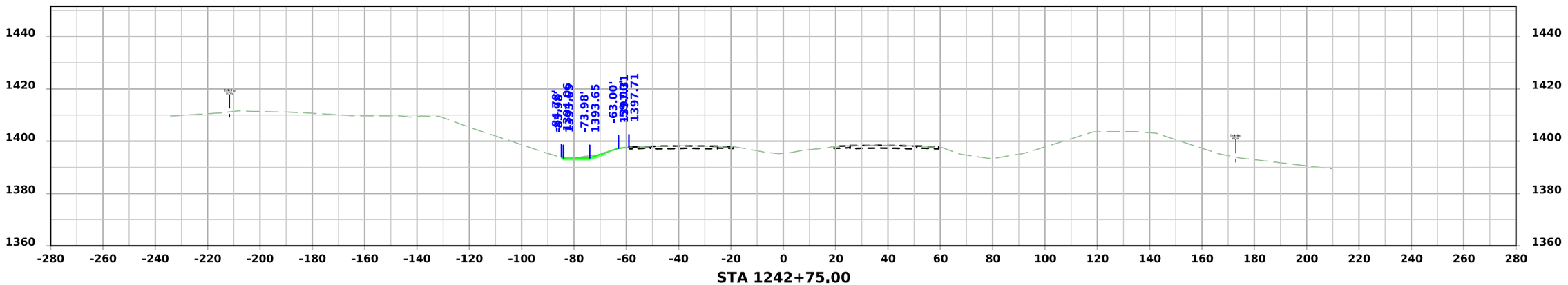
STA 1242+25.00

FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.36

I-80



STA 1243+00.00

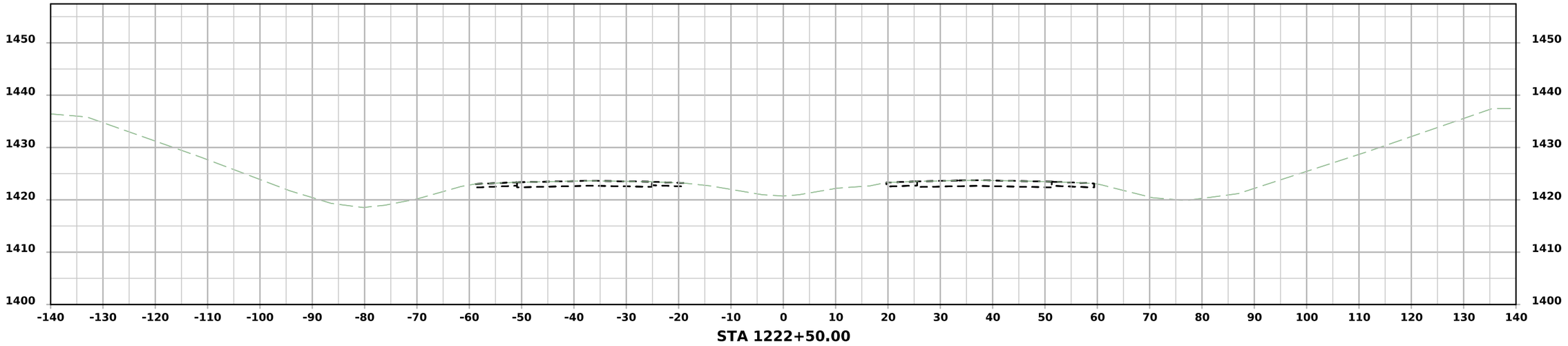


STA 1242+75.00

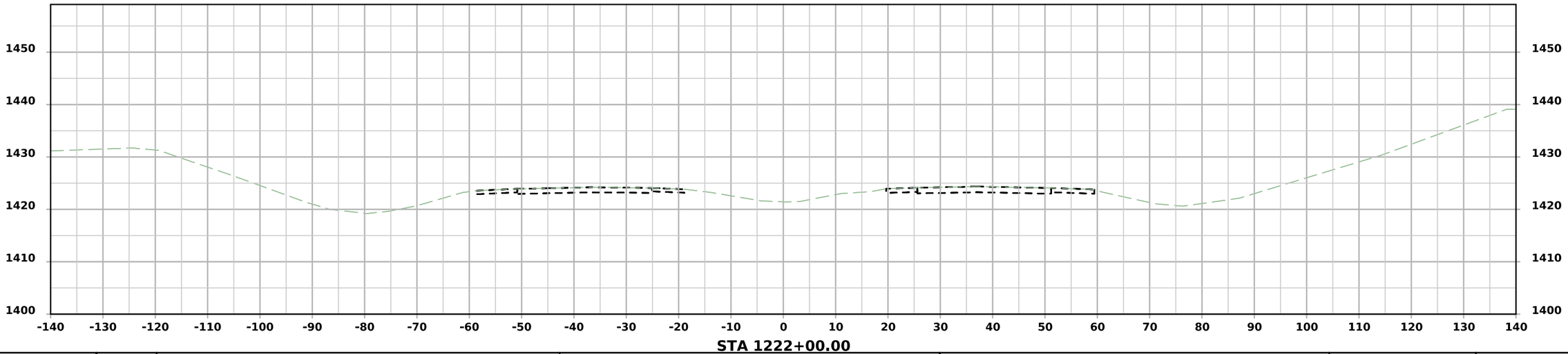
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.37	

11:25:02 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W02.dgn

I-80 DETOUR



STA 1222+50.00

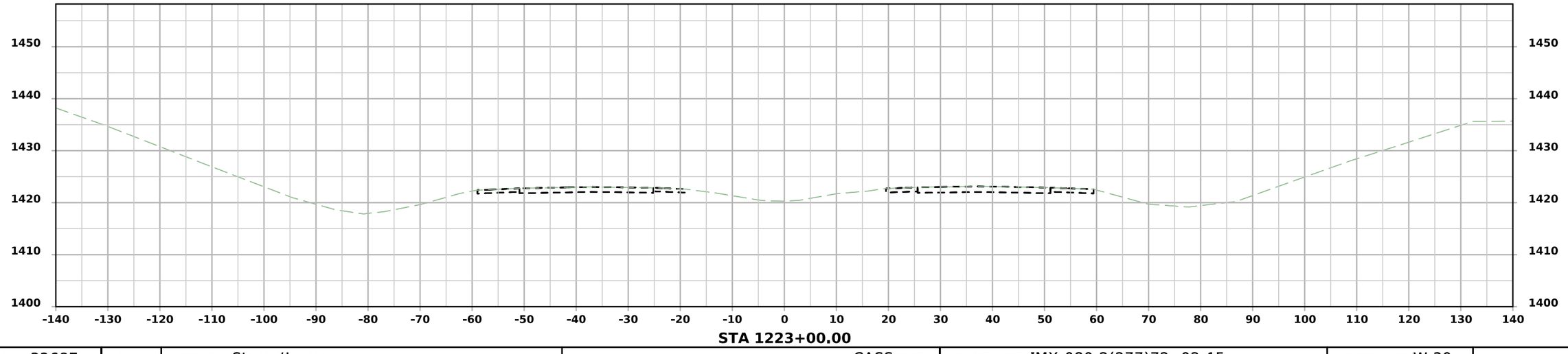


STA 1222+00.00

FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.38

11:30:31 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W03.dgn

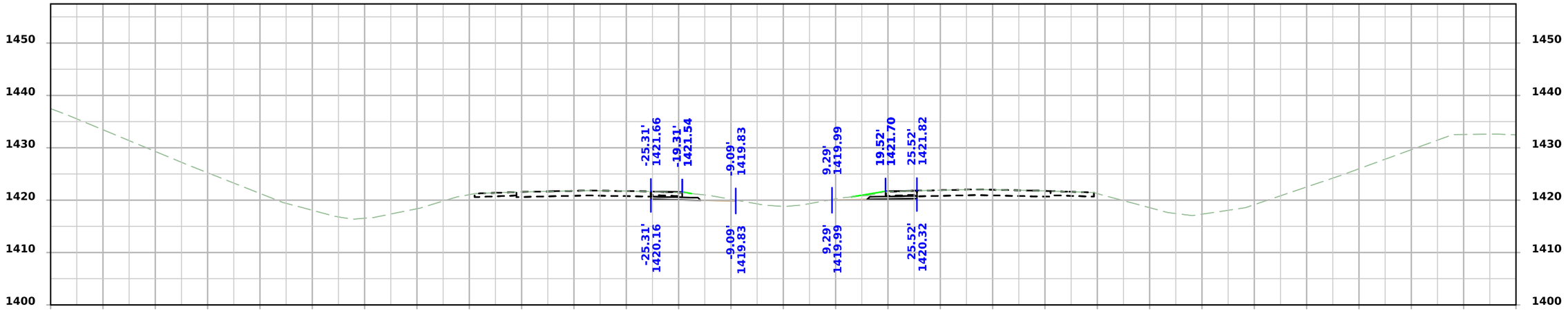
I-80 DETOUR



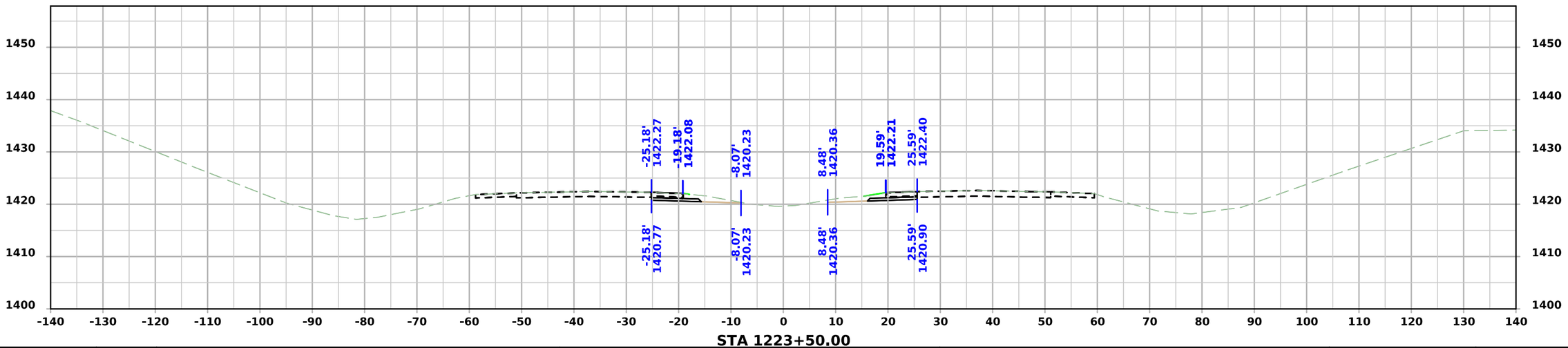
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.39

11:30:32 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W03.dgn

I-80 DETOUR



STA 1224+00.00

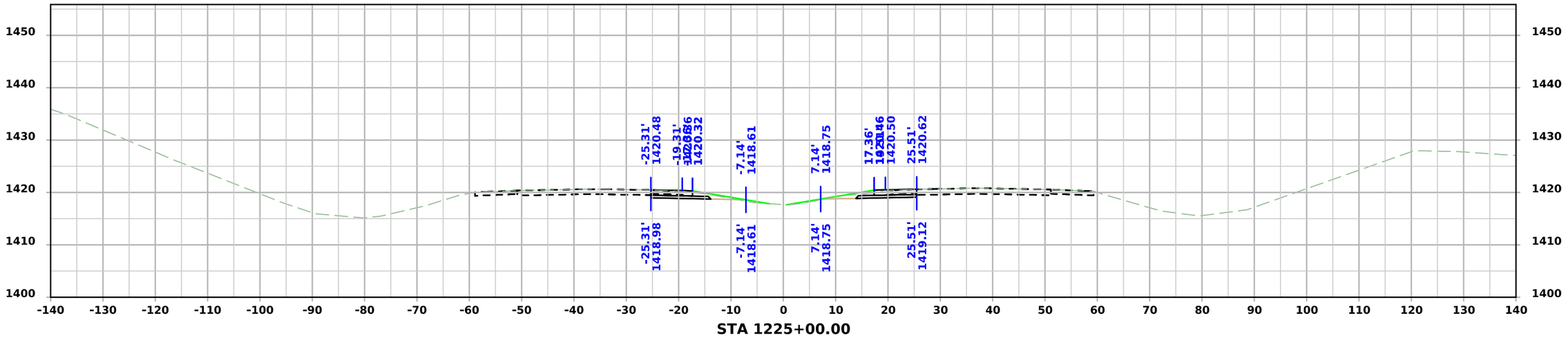


STA 1223+50.00

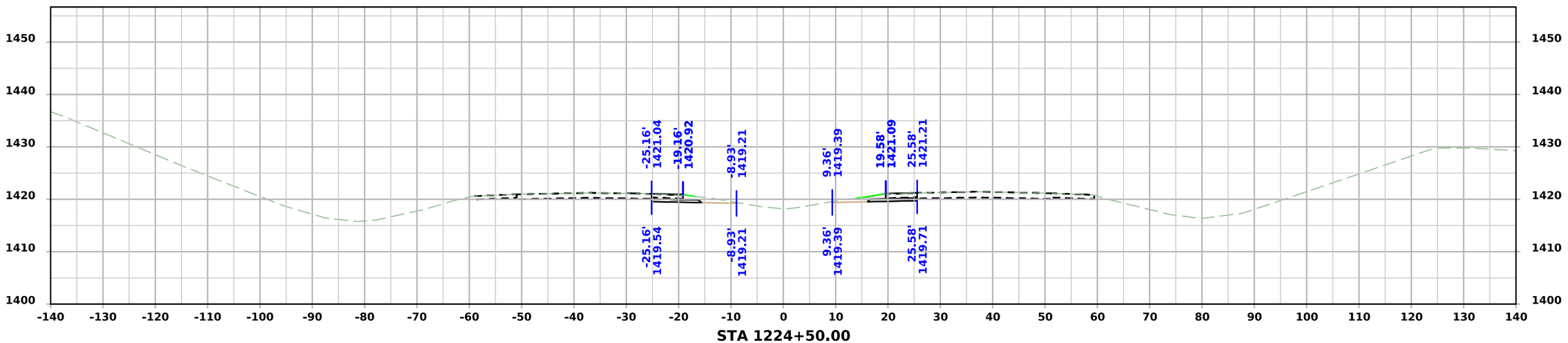
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.40

11:30:32 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W03.dgn

I-80 DETOUR



STA 1225+00.00

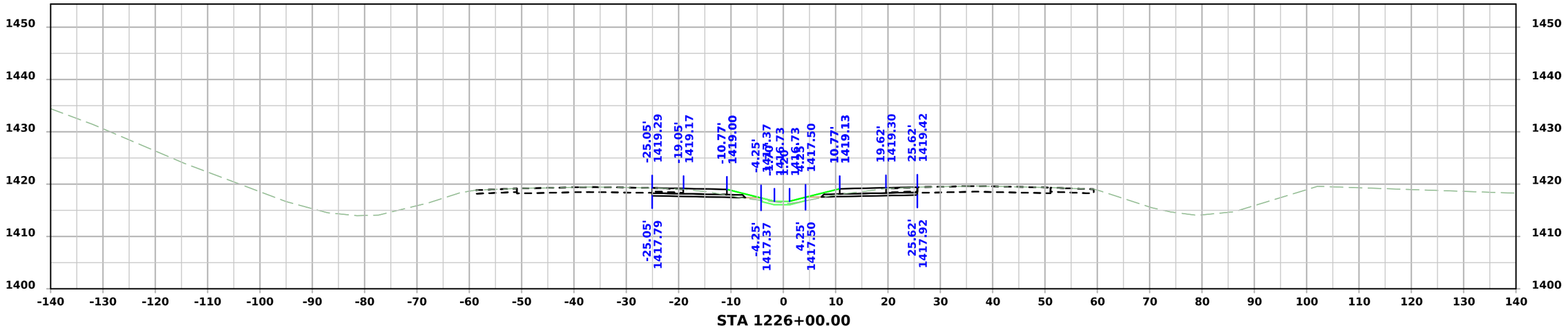


STA 1224+50.00

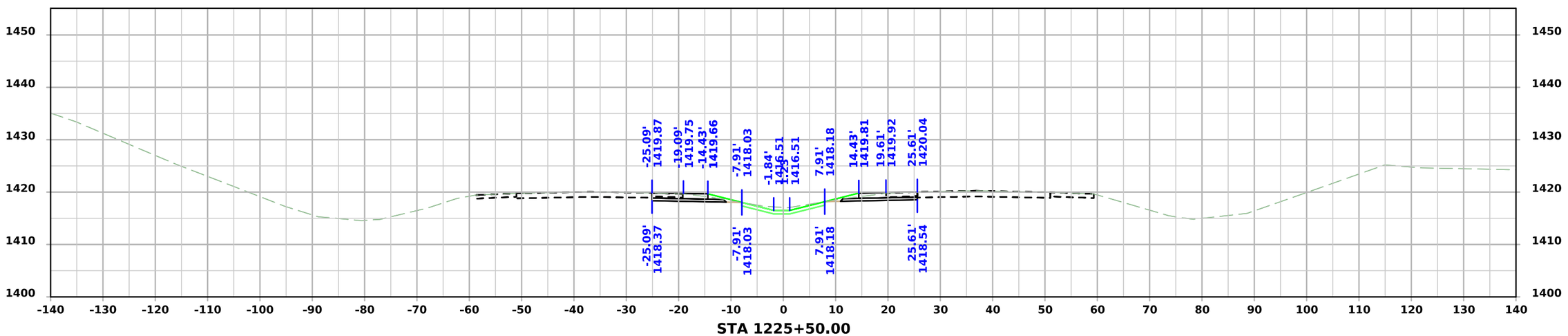
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.41

11:30:33 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W03.dgn

I-80 DETOUR



STA 1226+00.00

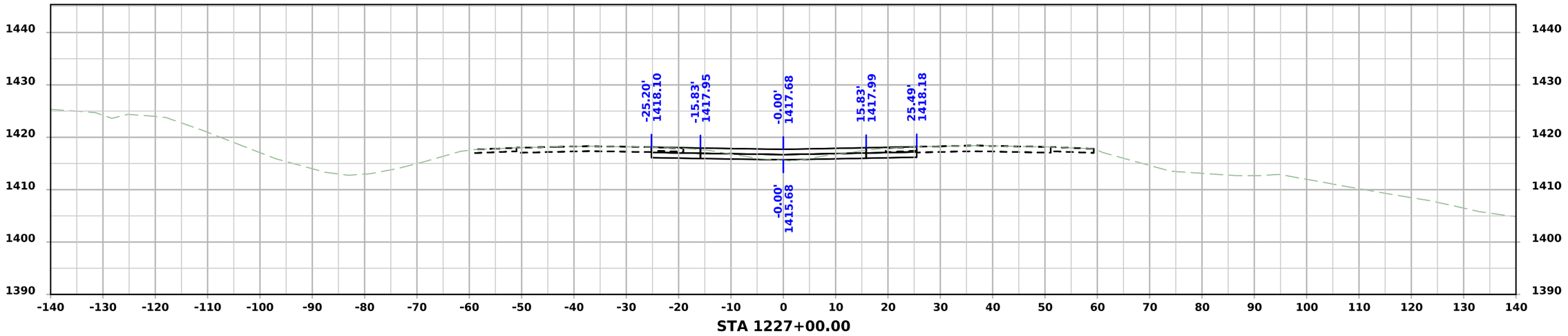


STA 1225+50.00

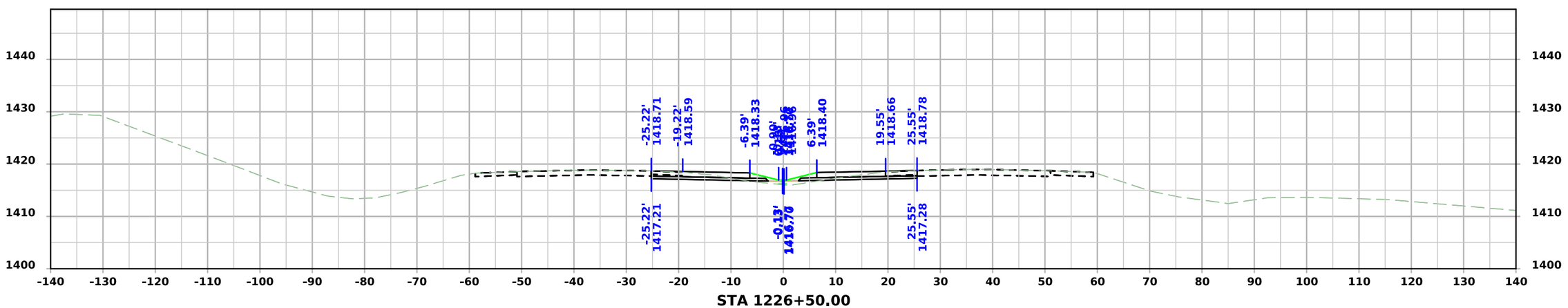
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.42

11:30:33 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W03.dgn

I-80 DETOUR



STA 1227+00.00

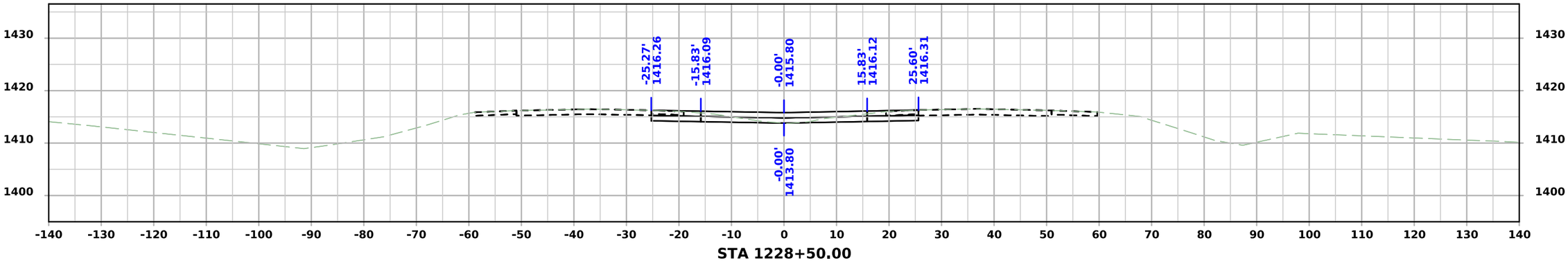


STA 1226+50.00

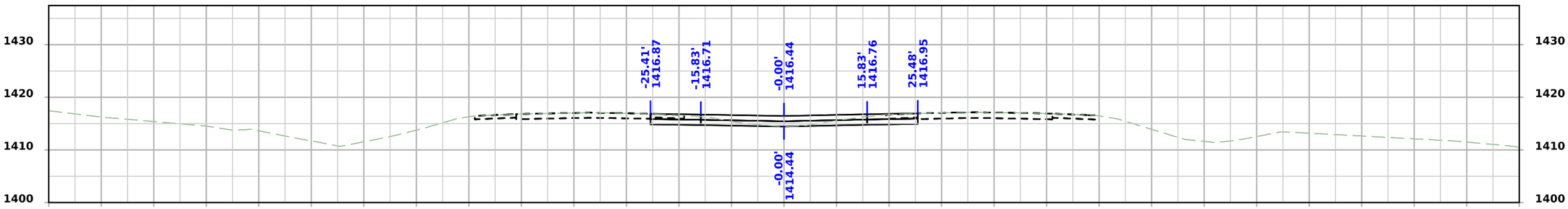
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.43

11:30:34 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W03.dgn

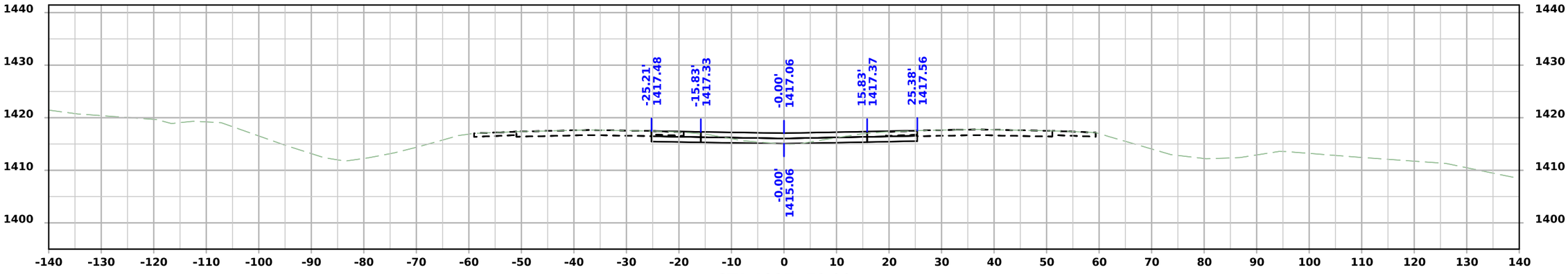
I-80 DETOUR



STA 1228+50.00



STA 1228+00.00

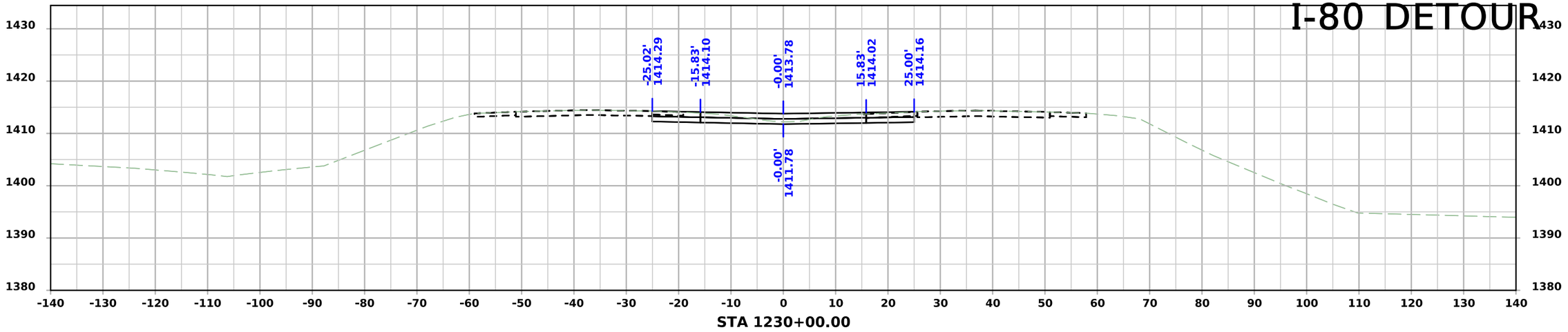


STA 1227+50.00

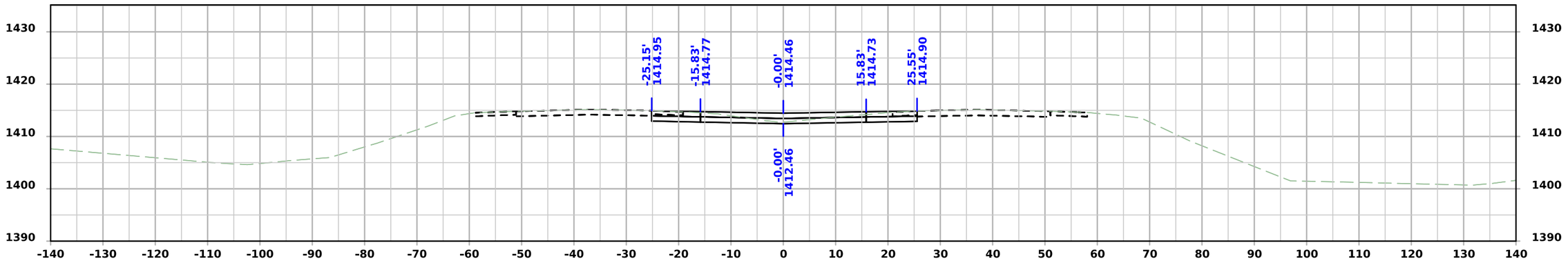
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.44

11:30:34 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W03.dgn

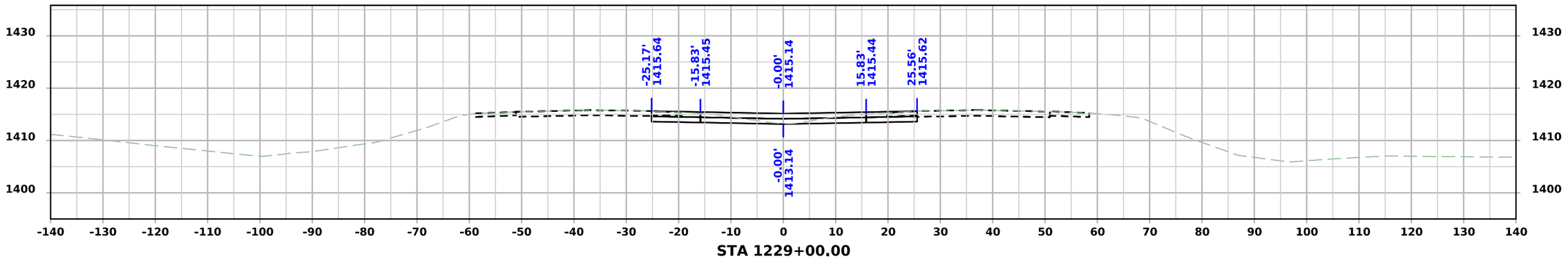
I-80 DETOUR



STA 1230+00.00



STA 1229+50.00

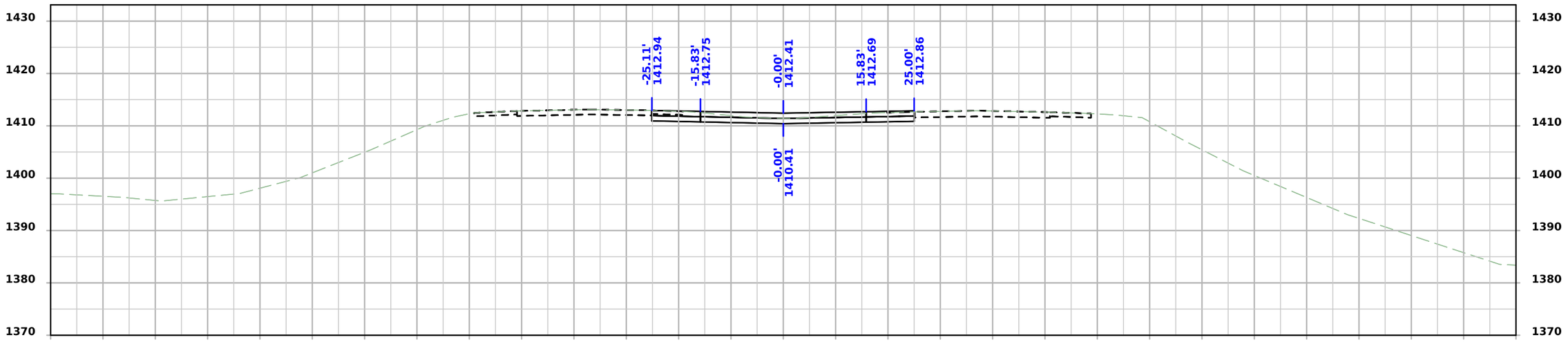


STA 1229+00.00

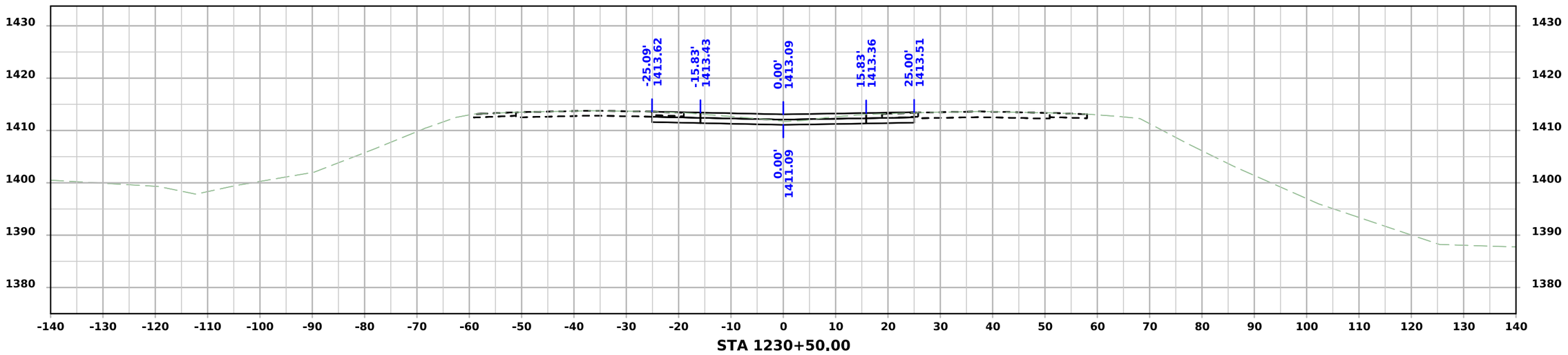
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.45

11:30:35 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W03.dgn

I-80 DETOUR



STA 1231+00.00

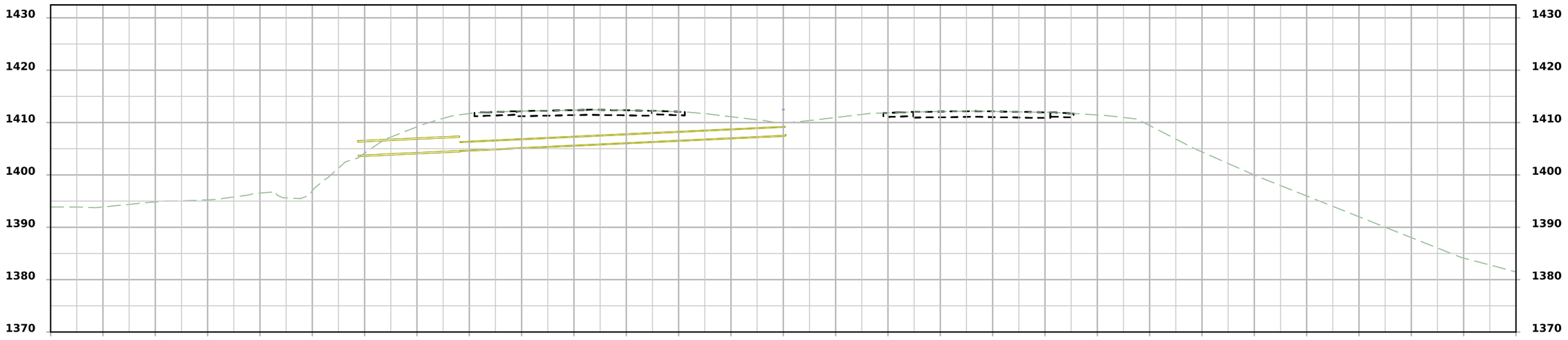


STA 1230+50.00

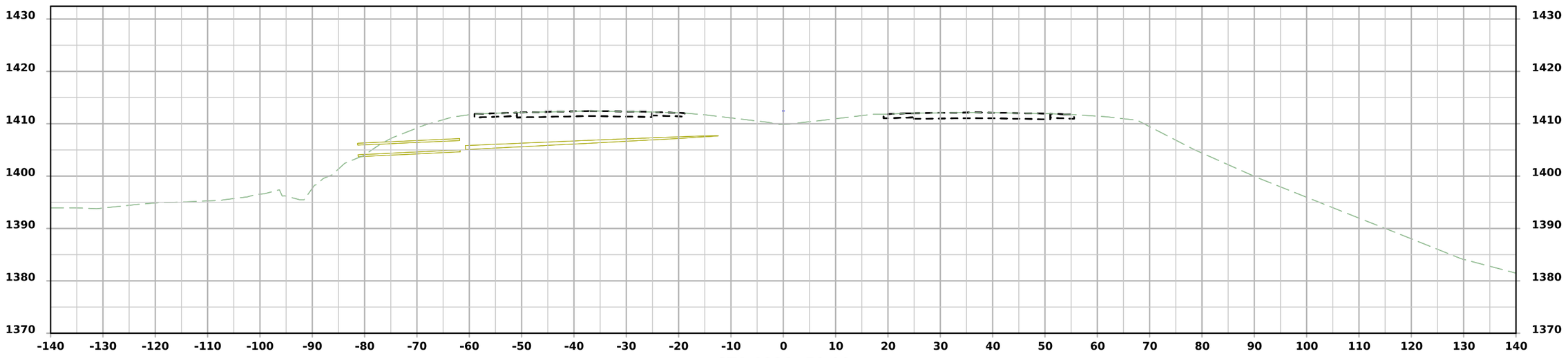
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.46

11:30:36 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W03.dgn

I-80 DETOUR



STA 1231+50.98

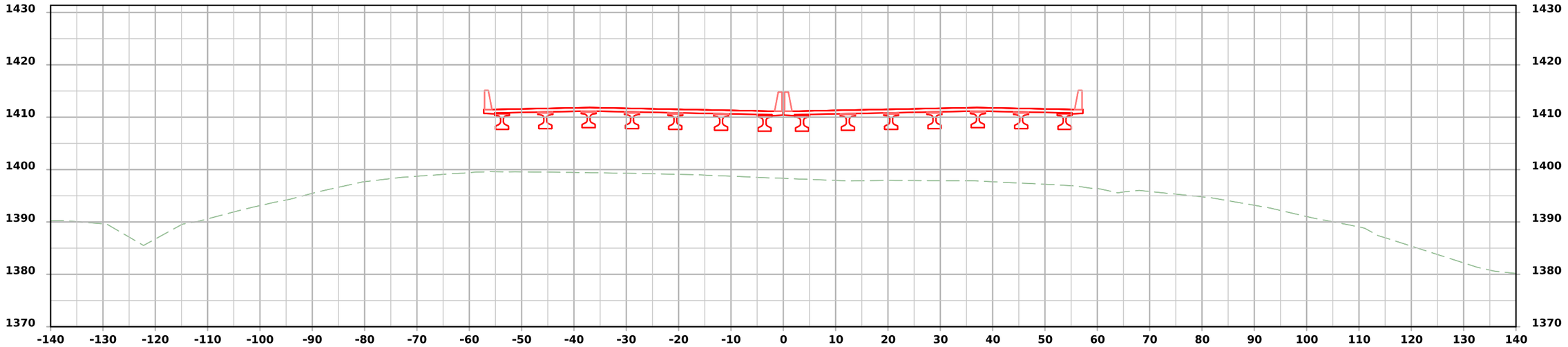


STA 1231+50.00

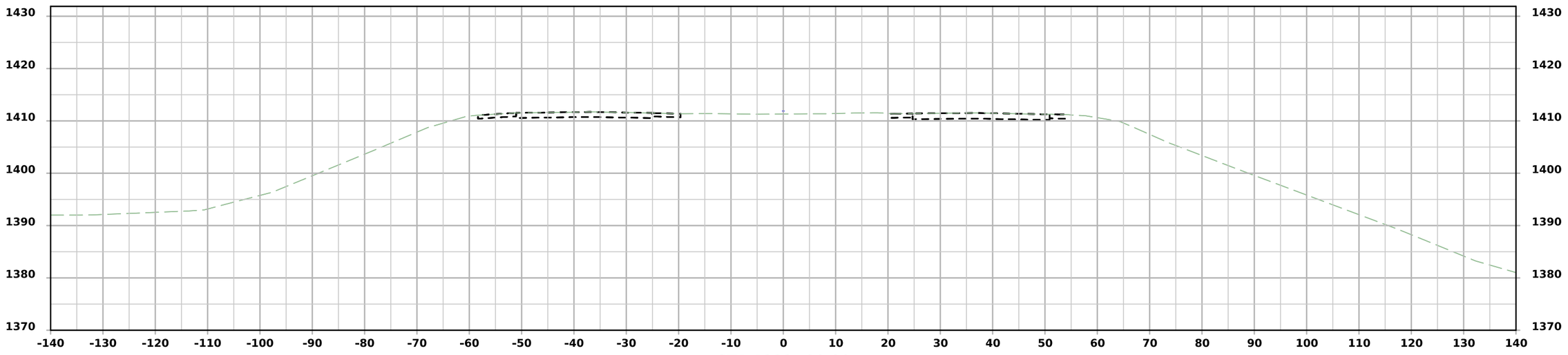
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.47

11:30:36 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W03.dgn

I-80 DETOUR



STA 1232+50.00

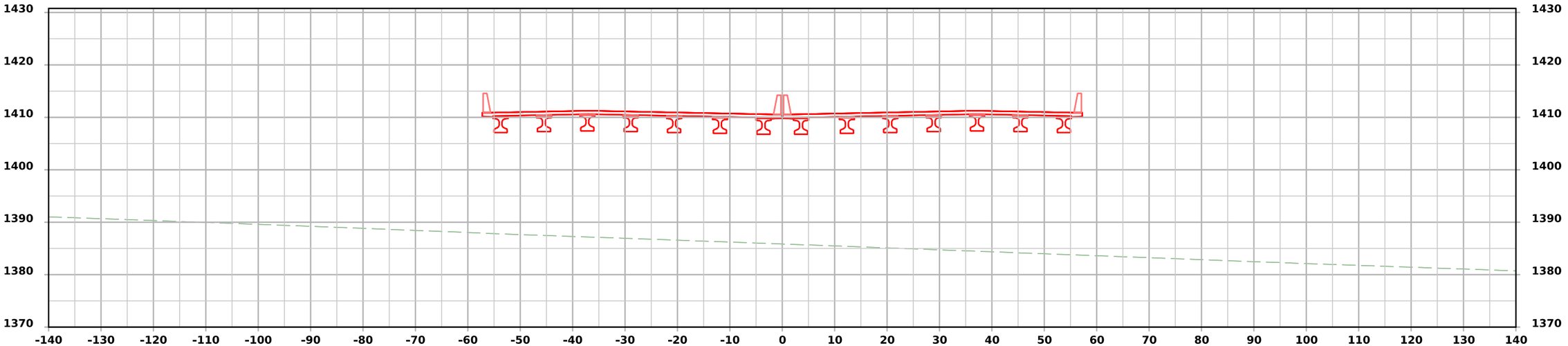


STA 1232+00.00

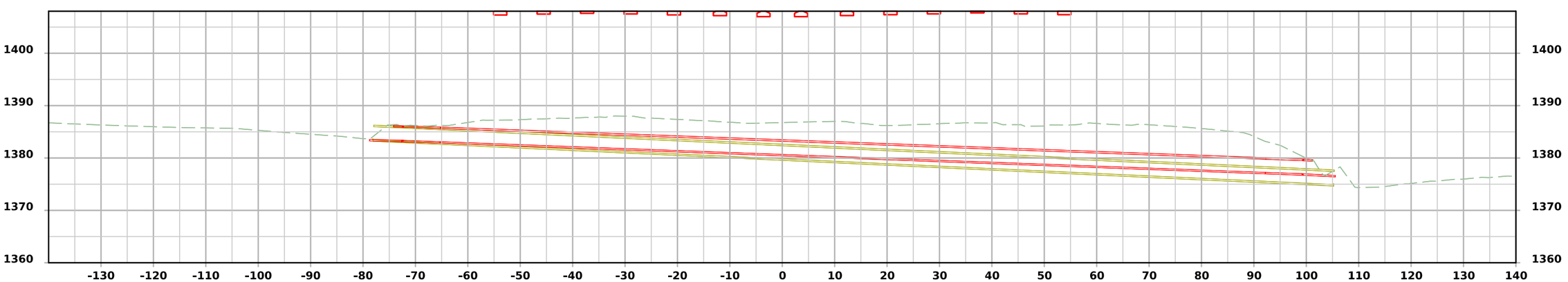
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.48	

11:30:37 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W03.dgn

I-80 DETOUR



STA 1233+00.00

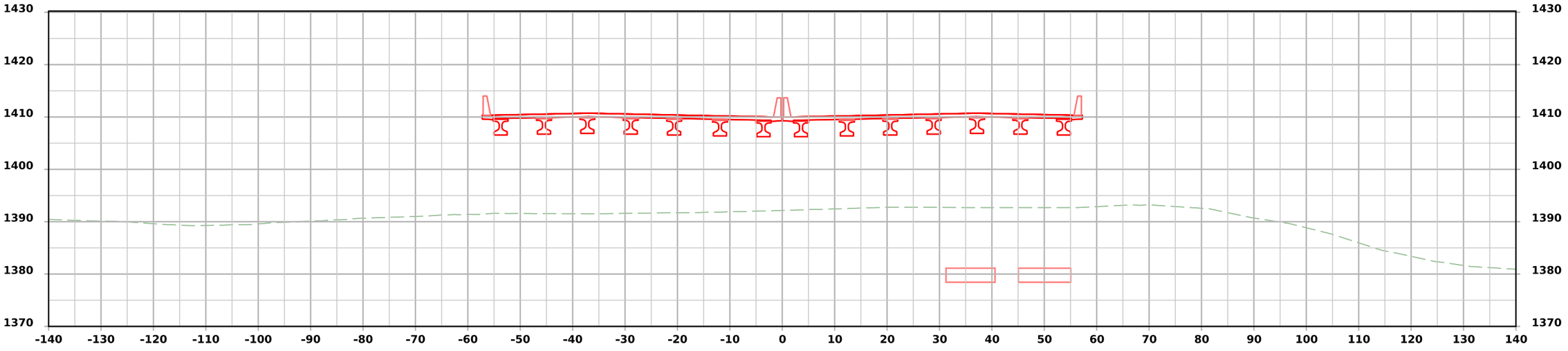


STA 1232+78.32

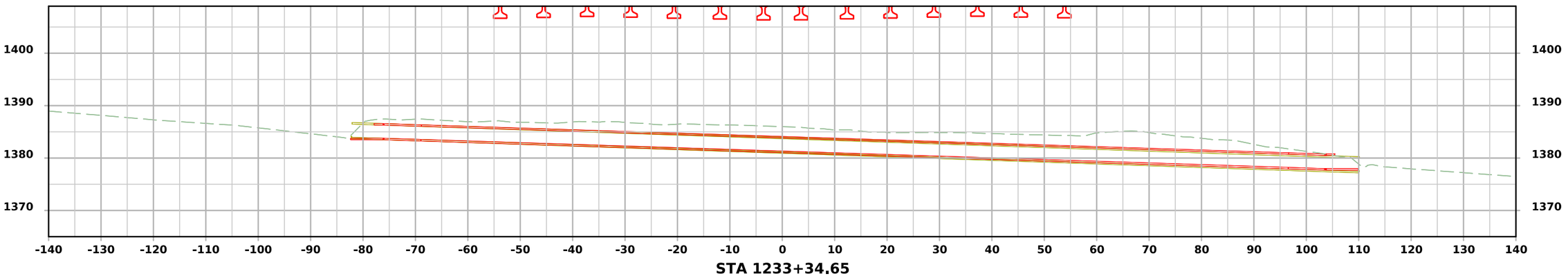
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.49

11:30:38 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W03.dgn

I-80 DETOUR



STA 1233+50.00

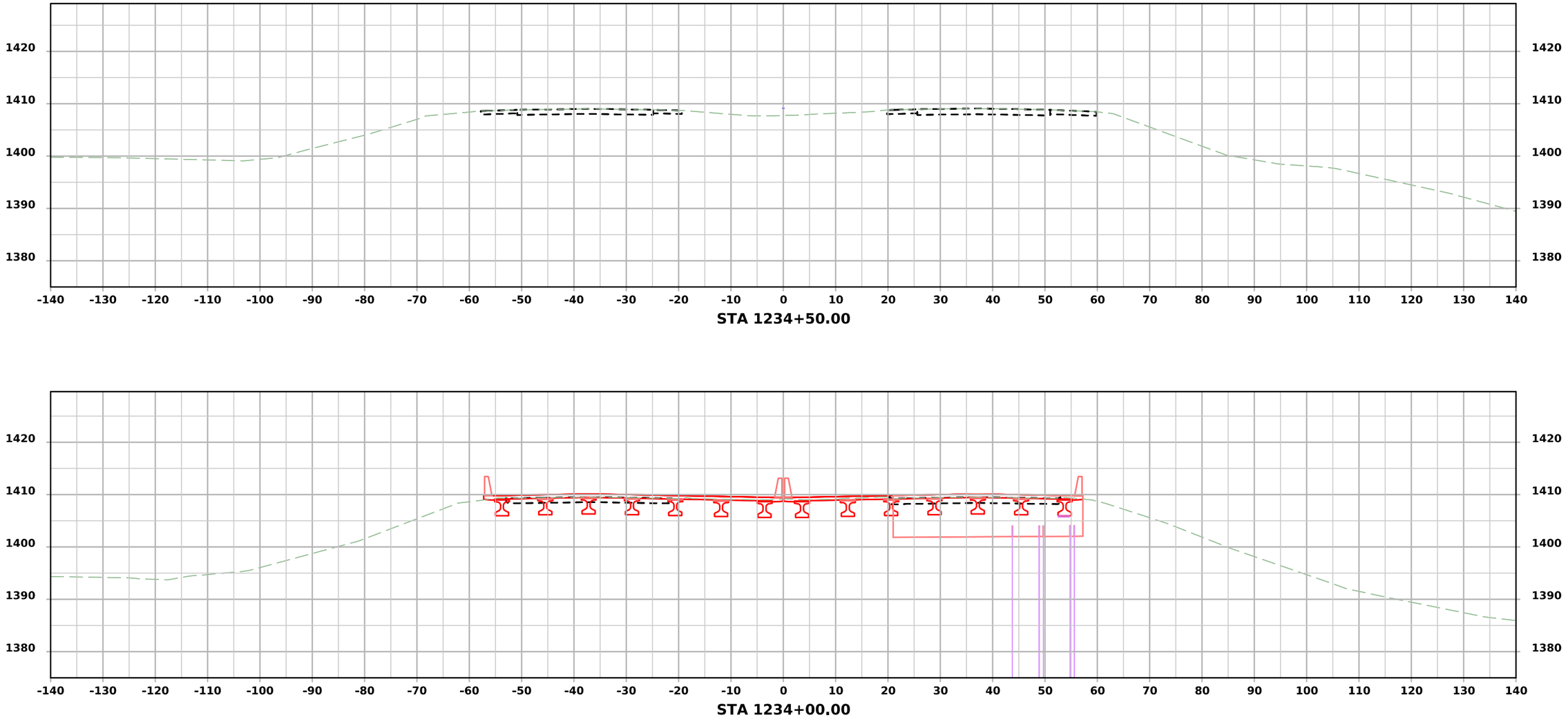


STA 1233+34.65

FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.50

11:30:39 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W03.dgn

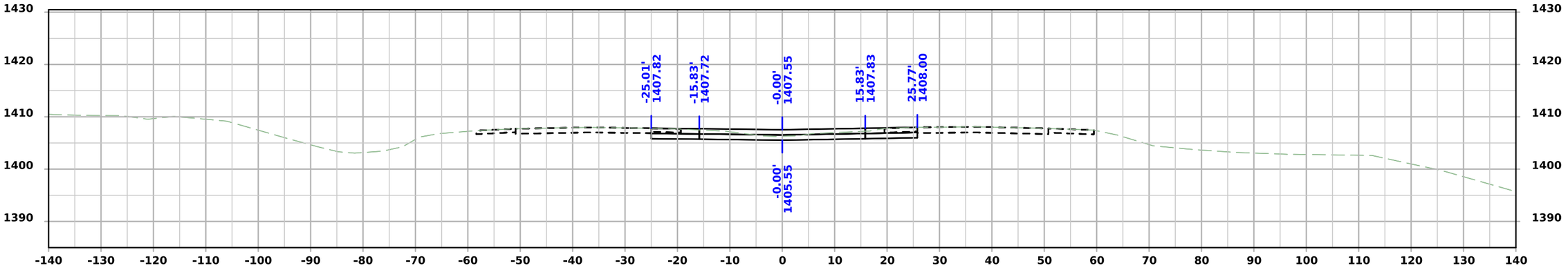
I-80 DETOUR



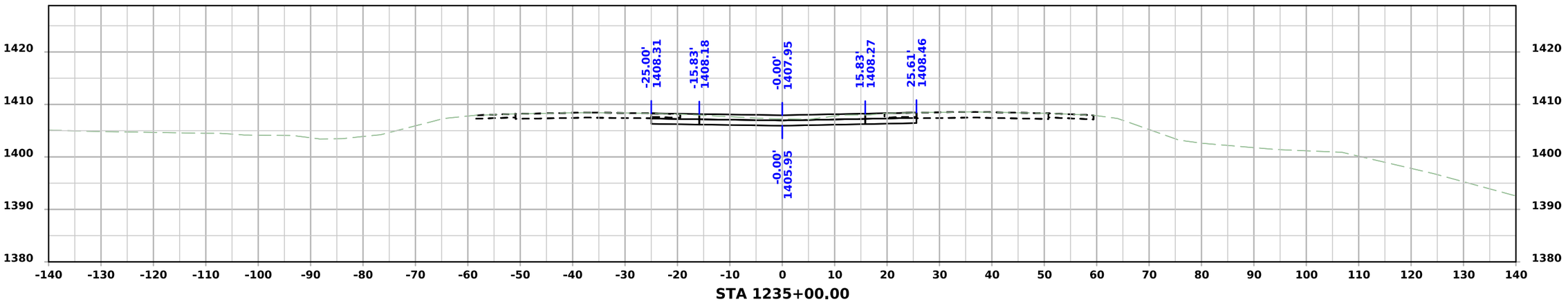
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.51

11:30:40 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W03.dgn

I-80 DETOUR



STA 1235+50.00

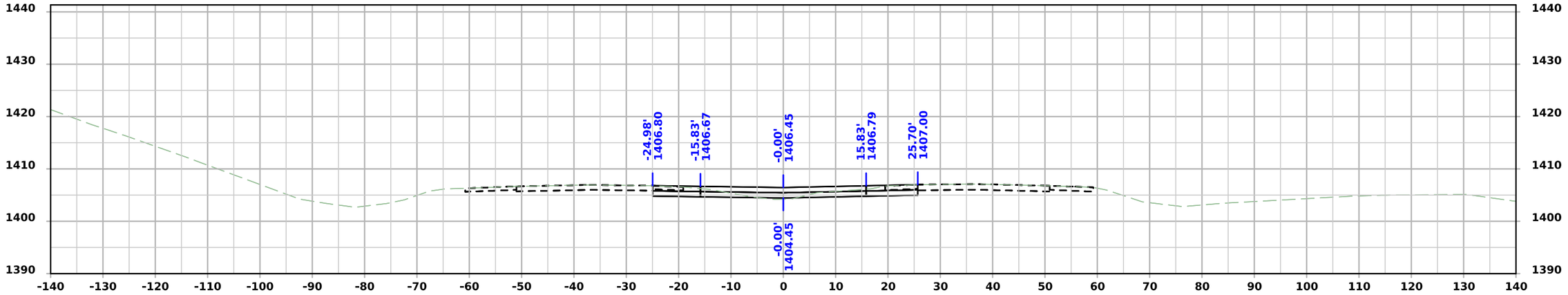


STA 1235+00.00

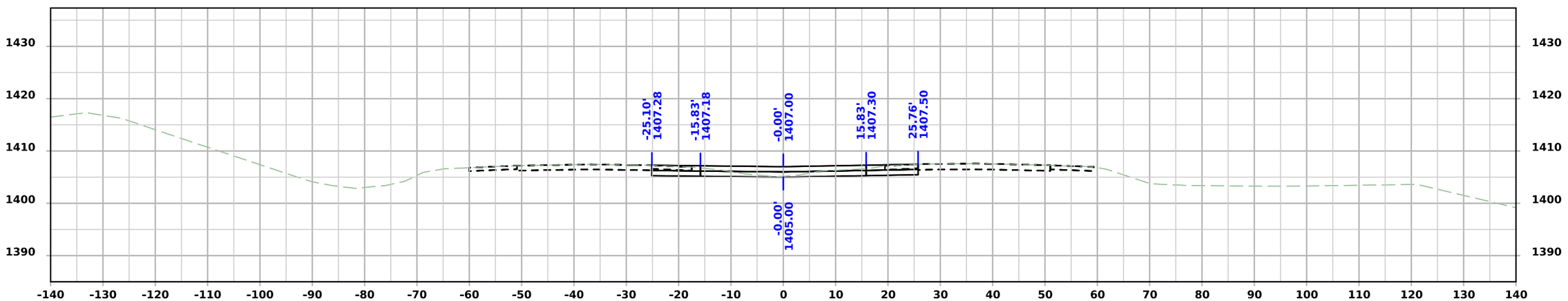
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.52

11:30:41 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W03.dgn

I-80 DETOUR



STA 1236+50.00

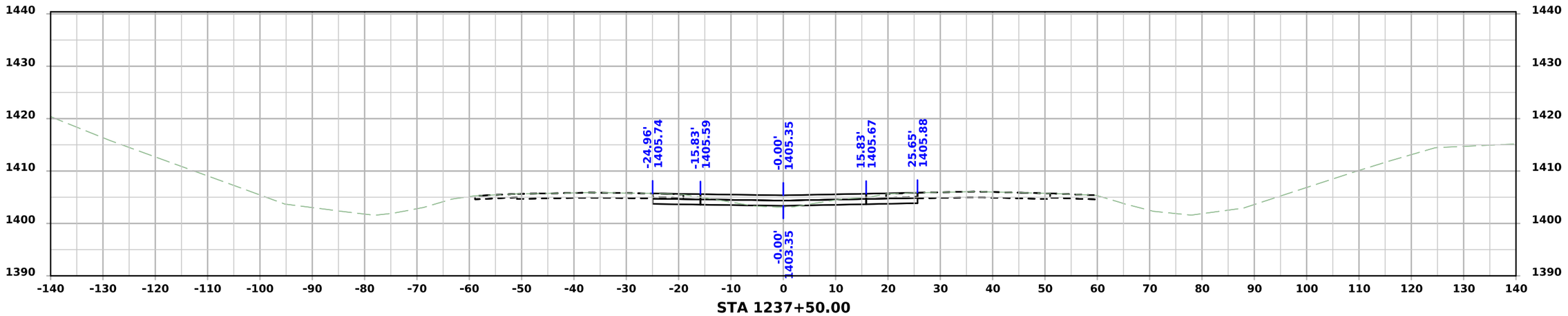


STA 1236+00.00

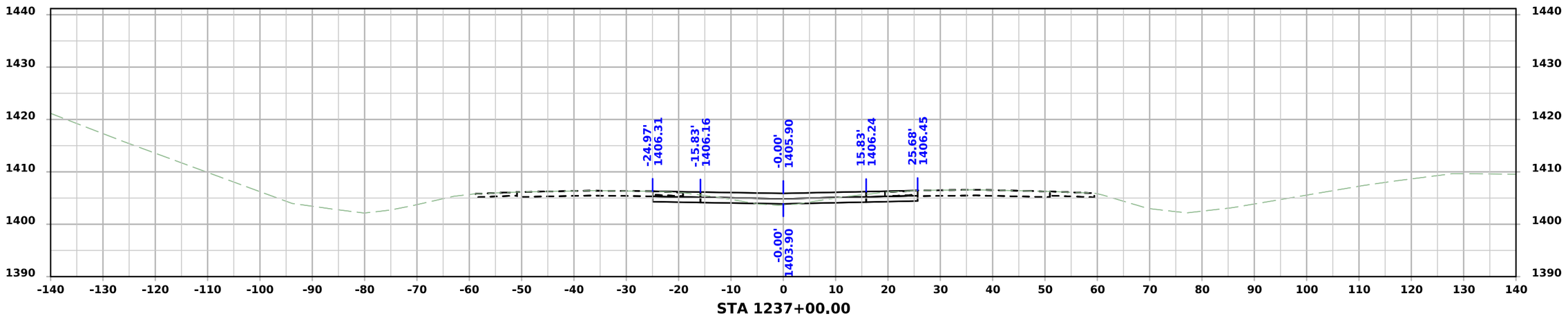
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.53

11:30:41 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W03.dgn

I-80 DETOUR



STA 1237+50.00

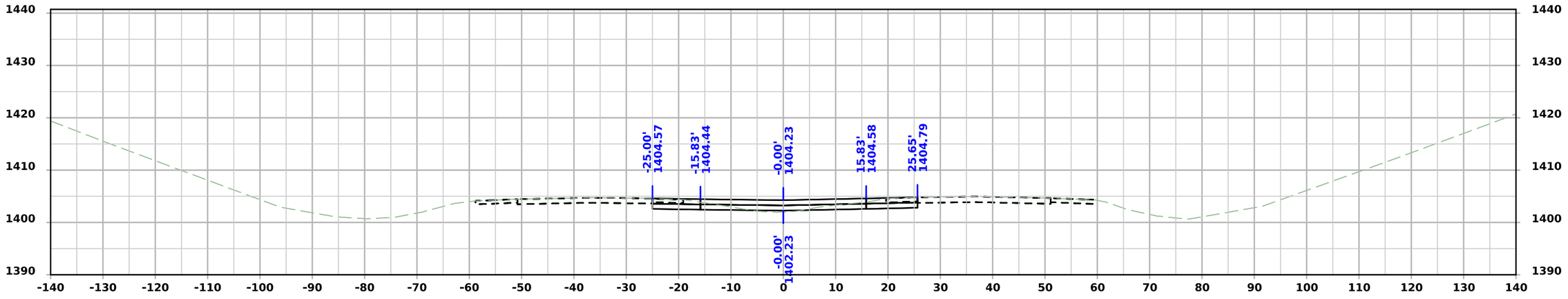


STA 1237+00.00

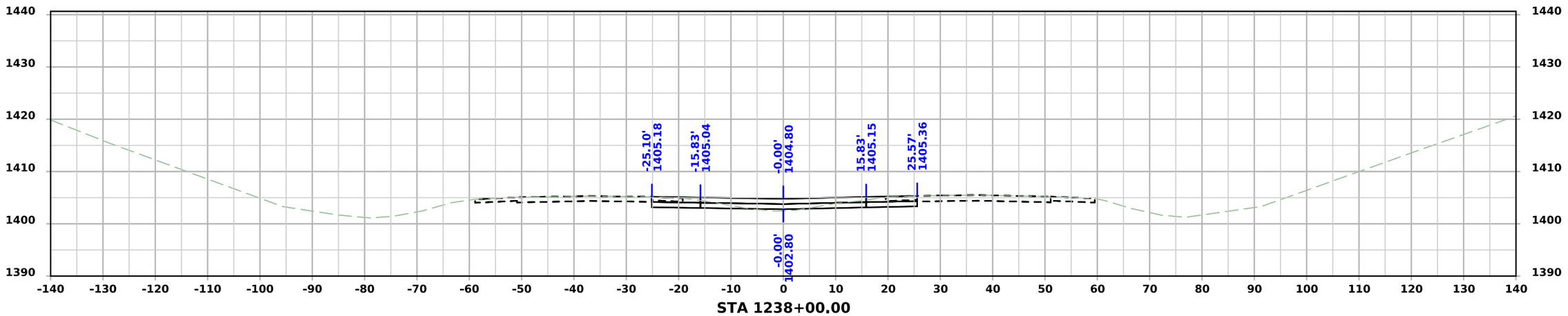
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.54

11:30:42 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W03.dgn

I-80 DETOUR



STA 1238+50.00

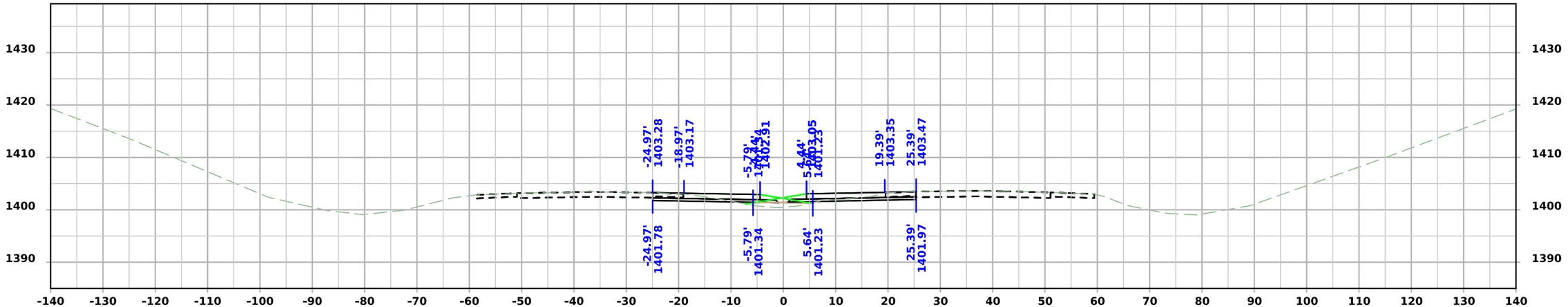


STA 1238+00.00

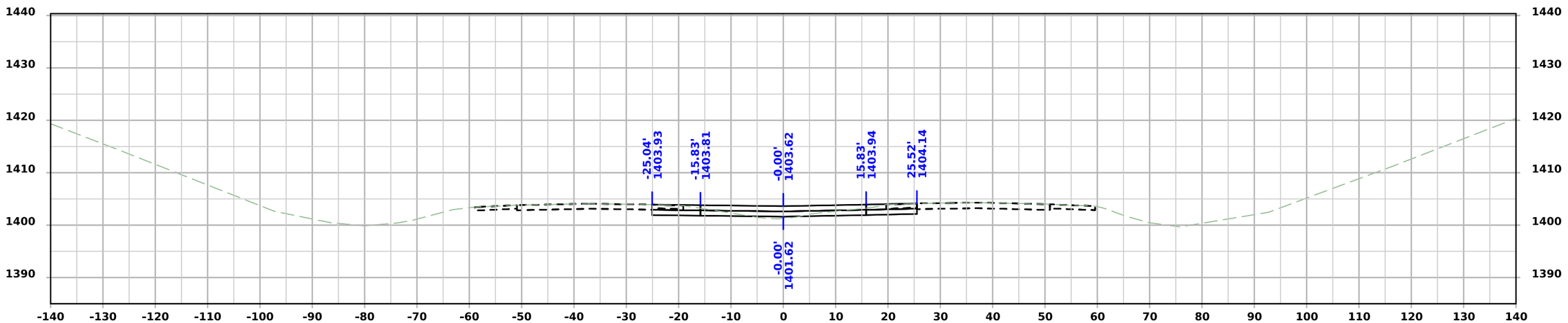
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.55

11:30:42 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W03.dgn

I-80 DETOUR



STA 1239+50.00

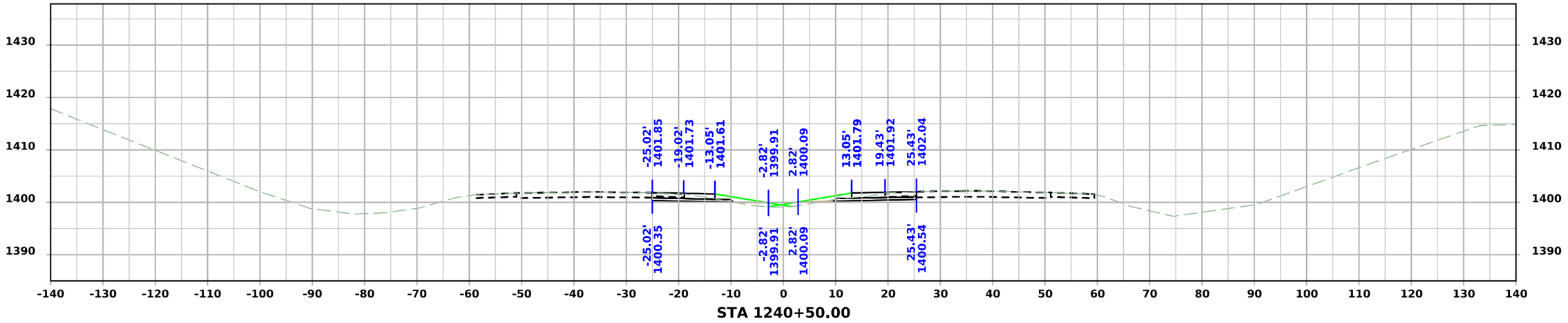


STA 1239+00.00

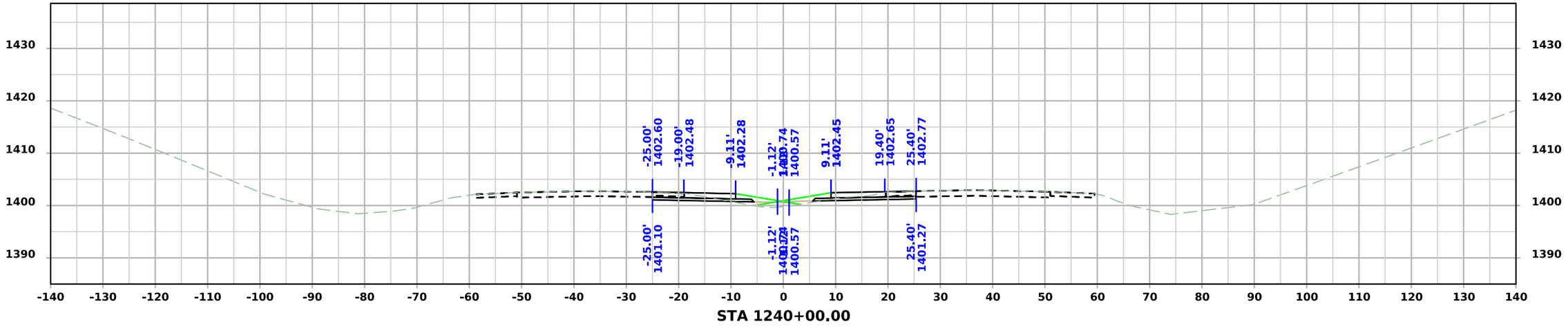
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.56

11:30:43 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W03.dgn

I-80 DETOUR



STA 1240+50.00

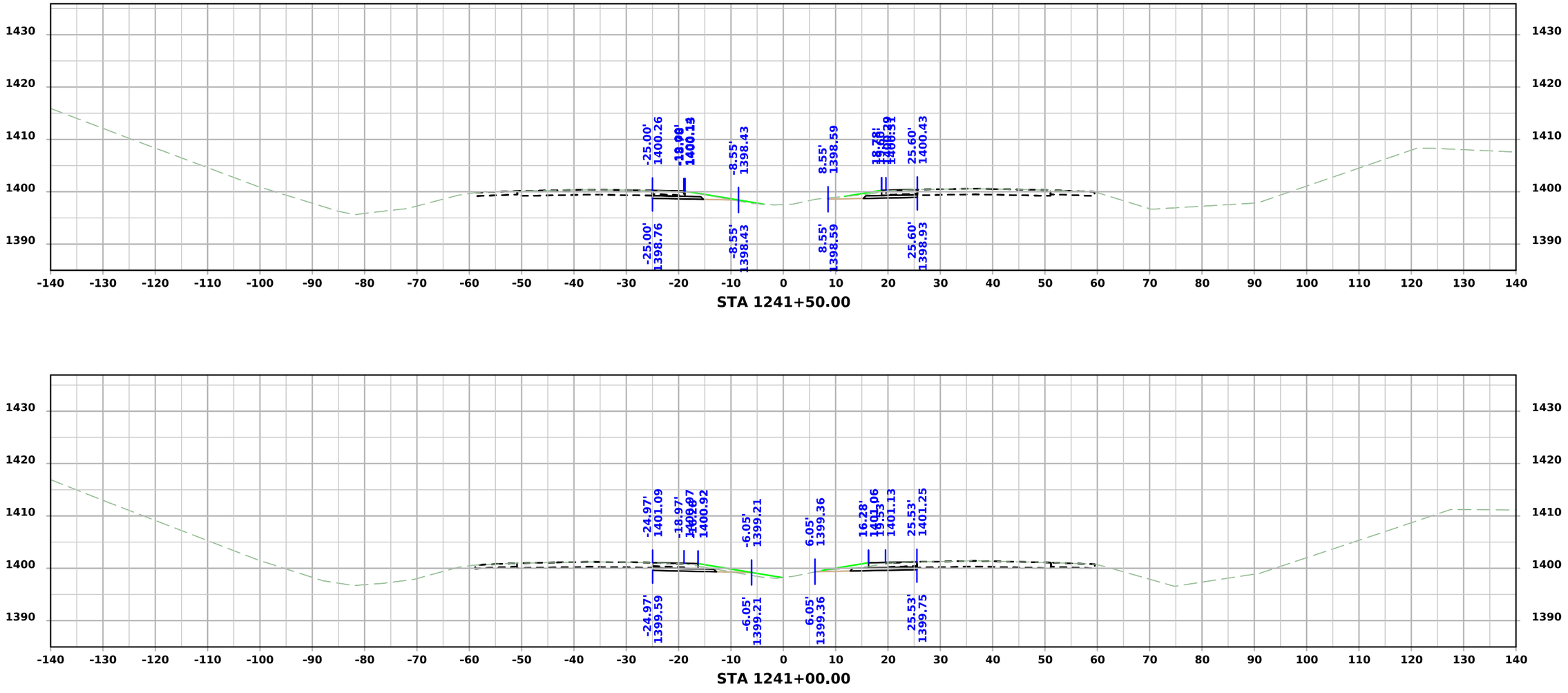


STA 1240+00.00

FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.57

11:30:43 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W03.dgn

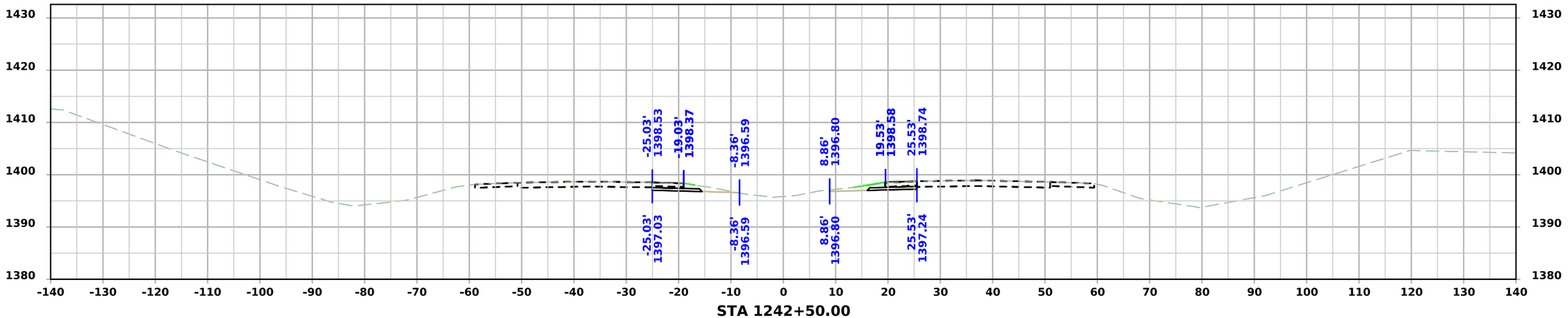
I-80 DETOUR



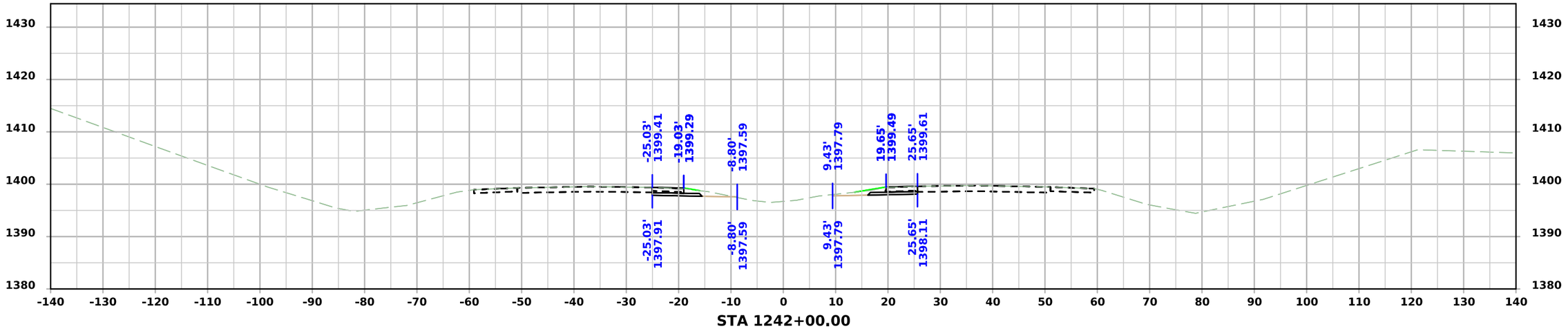
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.58

11:30:44 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W03.dgn

I-80 DETOUR



STA 1242+50.00

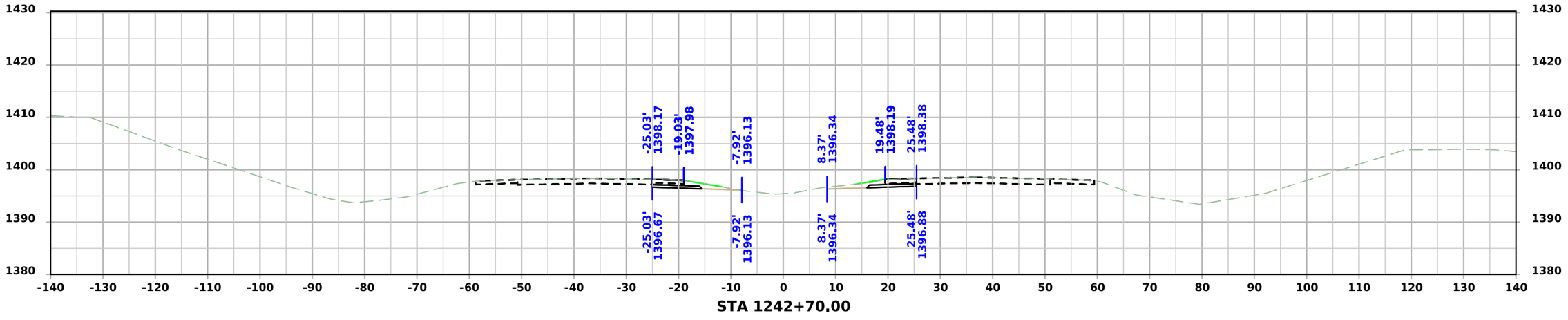


STA 1242+00.00

FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.59

11:30:44 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W03.dgn

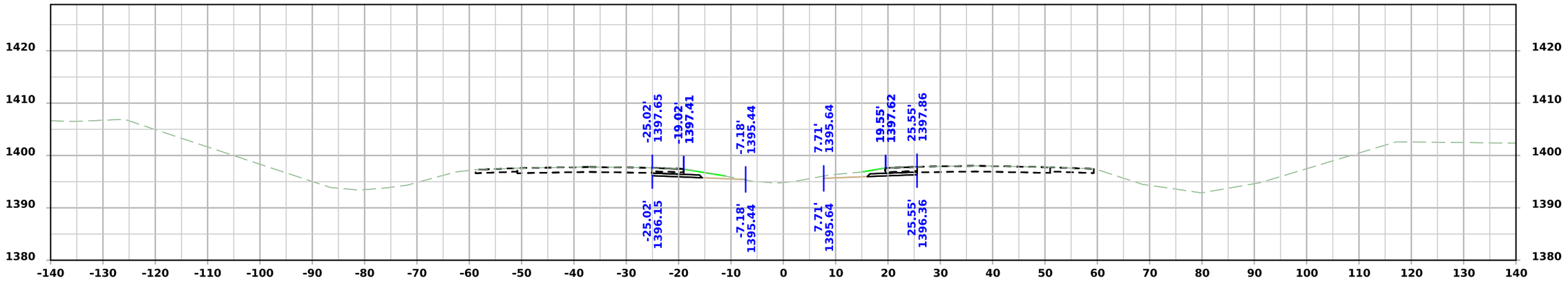
I-80 DETOUR



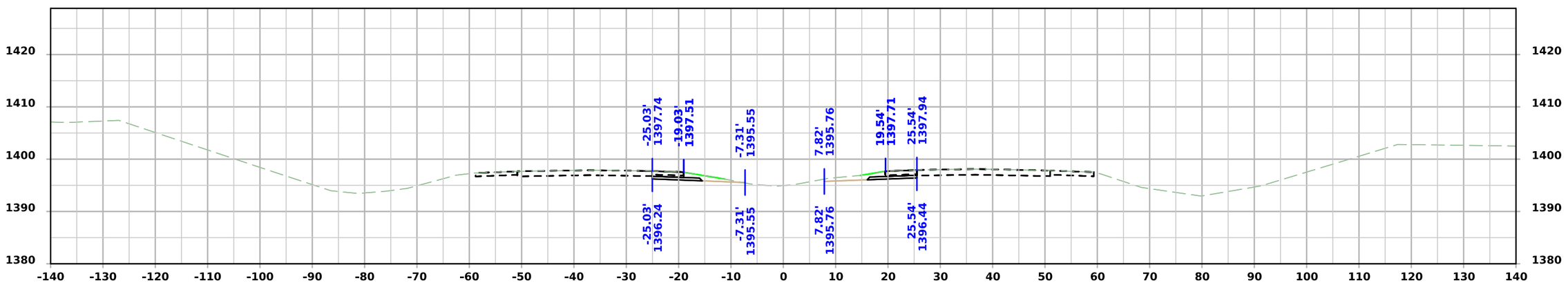
FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.60

11:30:45 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W03.dgn

I-80 DETOUR



STA 1243+00.00

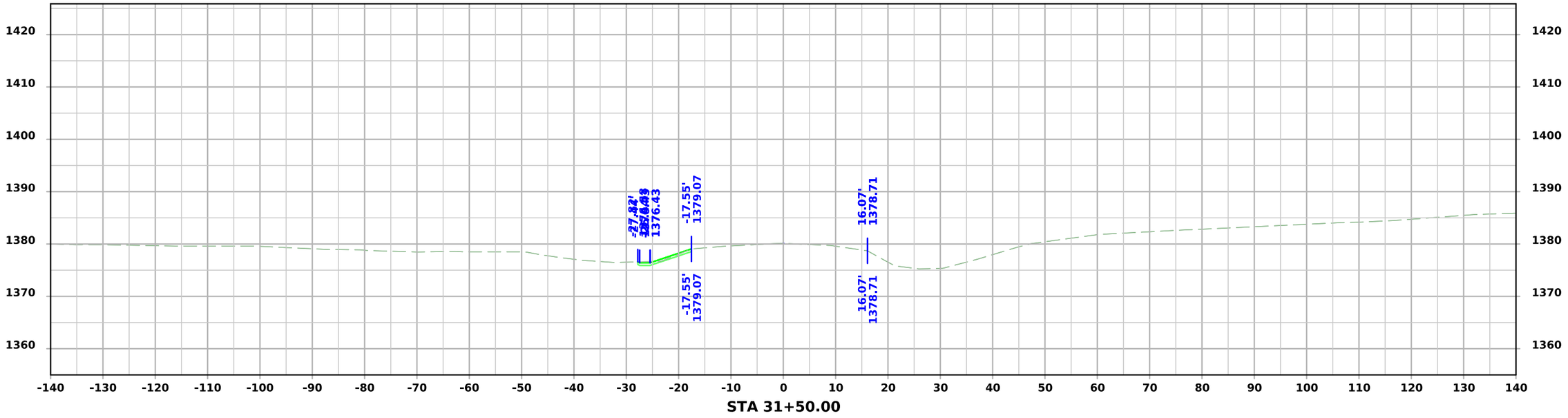


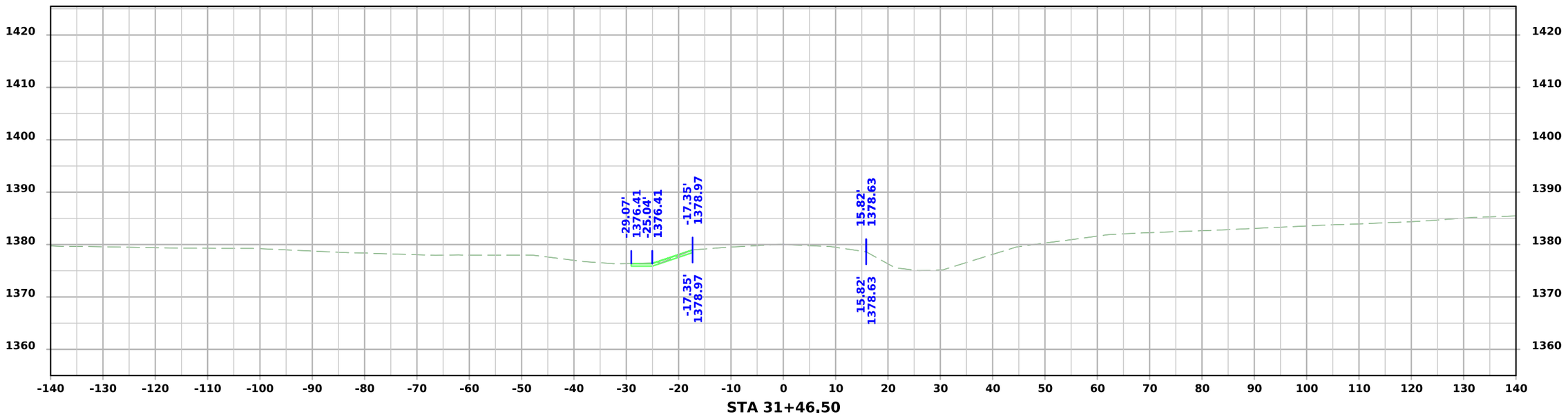
STA 1242+95.00

FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER W.61

11:30:45 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_W03.dgn

770th St

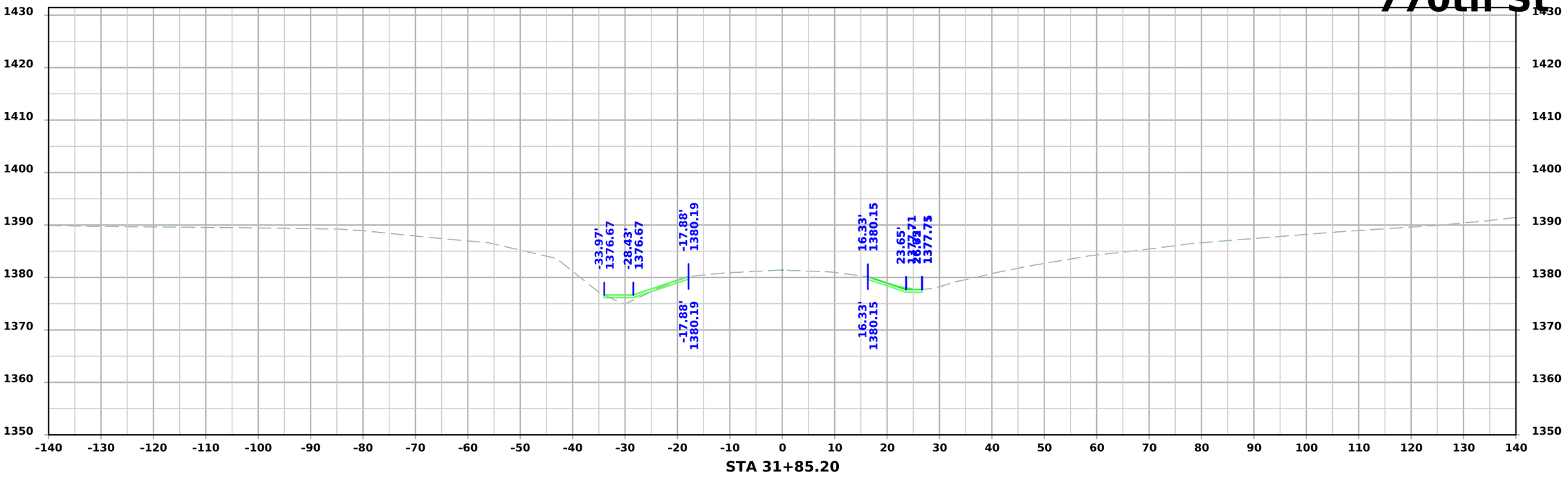


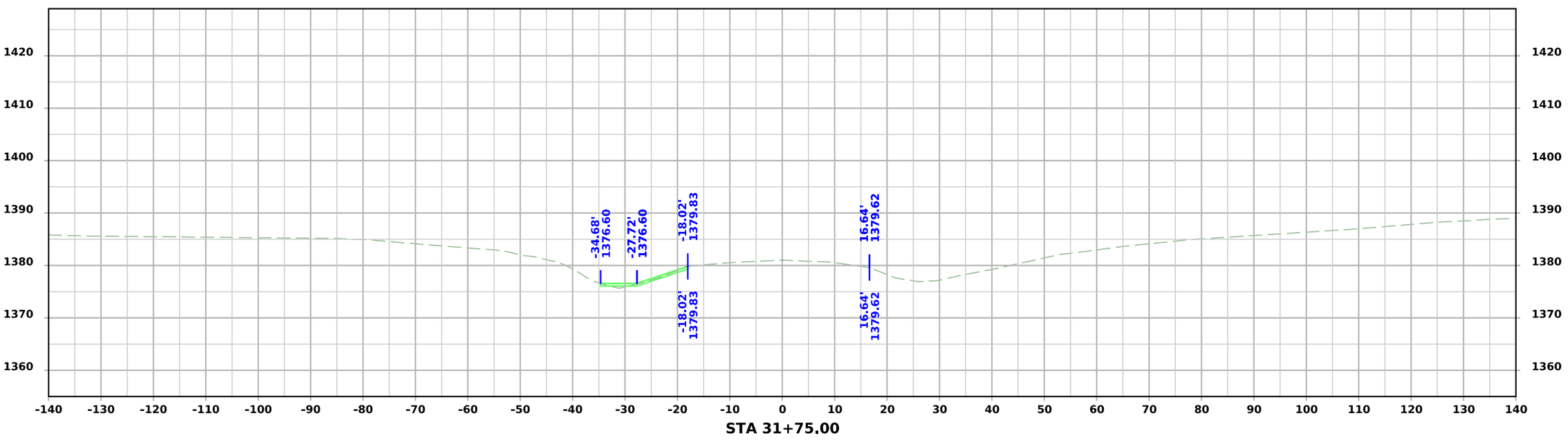


FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER X.1

11:42:53 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_X01.dgn

770th St

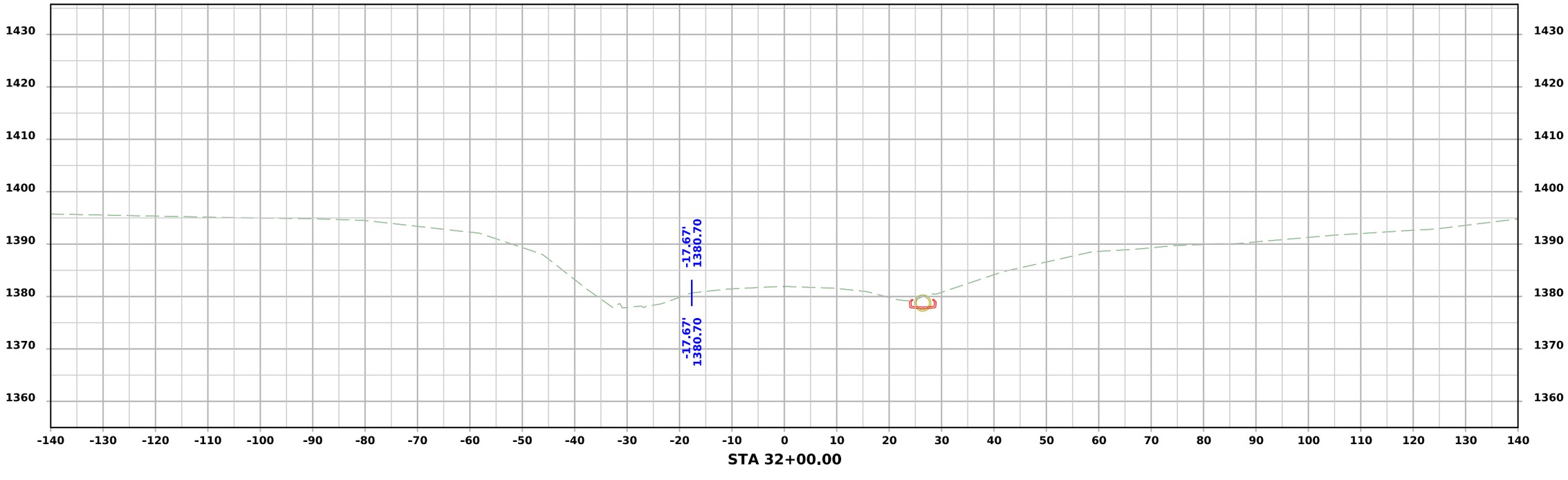




FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER X.2

11:42:53 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_X01.dgn

770th St



FILE NO. 32687	ENGLISH	DESIGN TEAM Strum/Janus	CASS COUNTY	PROJECT NUMBER IMX-080-2(277)72--02-15	SHEET NUMBER X.3	

11:42:54 AM 10/15/2026 ajanus2 pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\1508002023\Design\CADD_Files\Sheet_Files\SHT_15080277_X01.dgn