LETTING DATE
Dec 15, 2026

PCC Pavement - Grade and Replace
NHSX-059-3(056)--3H-78

POTTAWATTAMIE COUNTY

IOWA DOT

REVISIONS

TOTAL 814
PROJECT IDENTIFICATION NUMBER
24-78-059-010
PROJECT NUMBER
NHSX-059-3(056)--3H-78
R.O.W. PROJECT NUMBER

PLANS OF PROPOSED IMPROVEMENT ON THE

PRIMARY ROAD SYSTEM

POTTAWATTAMIE COUNTY

PCC Pavement - Grade and Replace

In Avoca, Pershing St to S of Co Rd F66

SCALES: As Noted

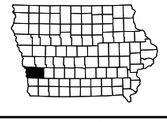
Refer to the Proposal Form for list of applicable specifications.

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.

Scan the QR code or click the link below to leave plan quality feedback and help us improve future projects.

Design QR Feedback Link



DESIGN DATA RURAL			
2016	AADT	4830	V.P.D.
2050	AADT	5082	V.P.D.
2050	DHV	609	V.P.H.
TRUCKS		10	%
Total Design ESALs		–	

INDEX OF SEALS

SHEET NO.	NAME	TYPE	BID QUANTITY SHEETS
A.1	Colton A. Schinstock	Primary Signature Block	C.1-C.3
CS.1	Mark A. Dell	Geotechnical Signature Block	CS.1 - CS.3
N.1	Jason J. Hermann	Traffic Signing Design Block	N.2 - N.4
RC.1	Rachel A. Harris	Landscape Design	RC.1 - RC.5

ROADWAY DESIGN

LICENSED PROFESSIONAL ENGINEER
Colton A. Schinstock
28681
IOWA

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

Signature — 10-06-2026 Date

Colton A. Schinstock
Printed or Typed Name

My license renewal date is December 31, 2027

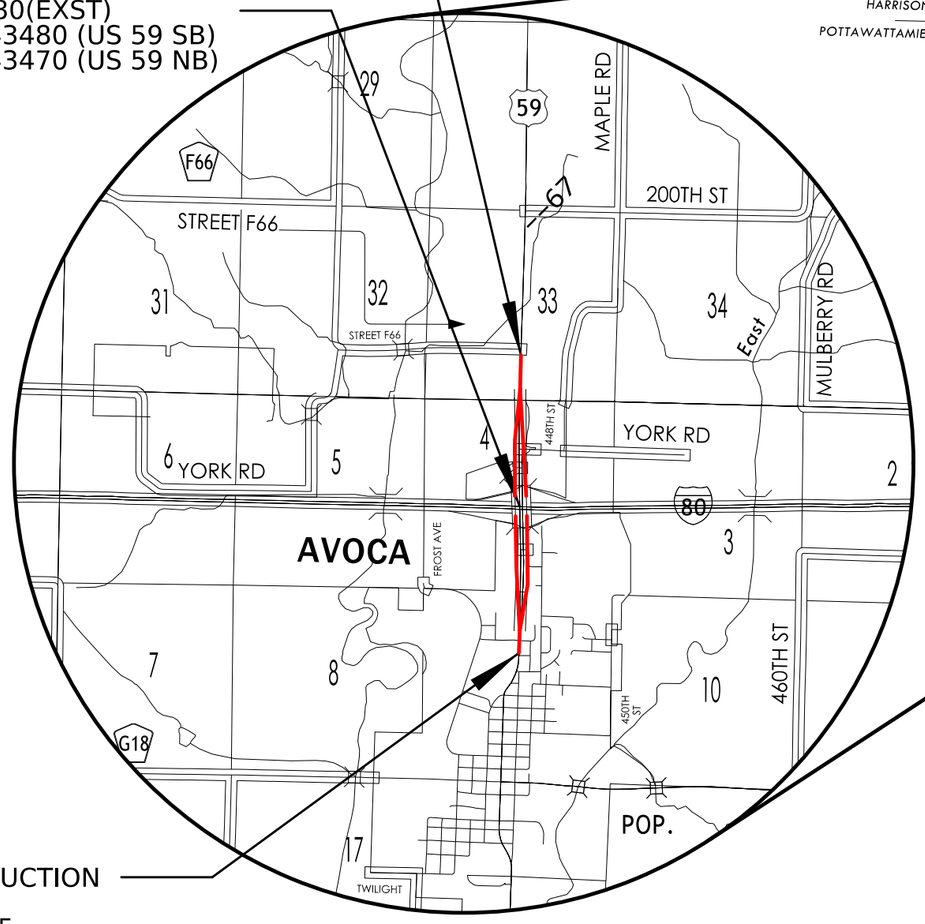
Pages or sheets covered by this seal: A.1-A.3, B.1-B.11, C.1-C.23, CD.1-CD.2, D.1-D.13, E.1-E.6 F.1-F.31, G.1-G.9, J.1-J.59, JU.1-JU.6, K.1-K.4, L.1-L.34, T.1-T.39, U.1, VW.1-VW.2, VX.1, VY.1, W.1, W.1000-W.1076, W.2000-W.2141, W.3000-W.3141, X.100-X.101, X.200-X.201, X.300-X.305, X.400-X.401, X.500, X.600-X.603, Y.100-Y.109, Y.200-Y.208, Y.300-Y.307, Y.400-Y.407, Z.100-Z.134, Z.200-Z.224, Z.300-Z.308, Z.400-Z.421

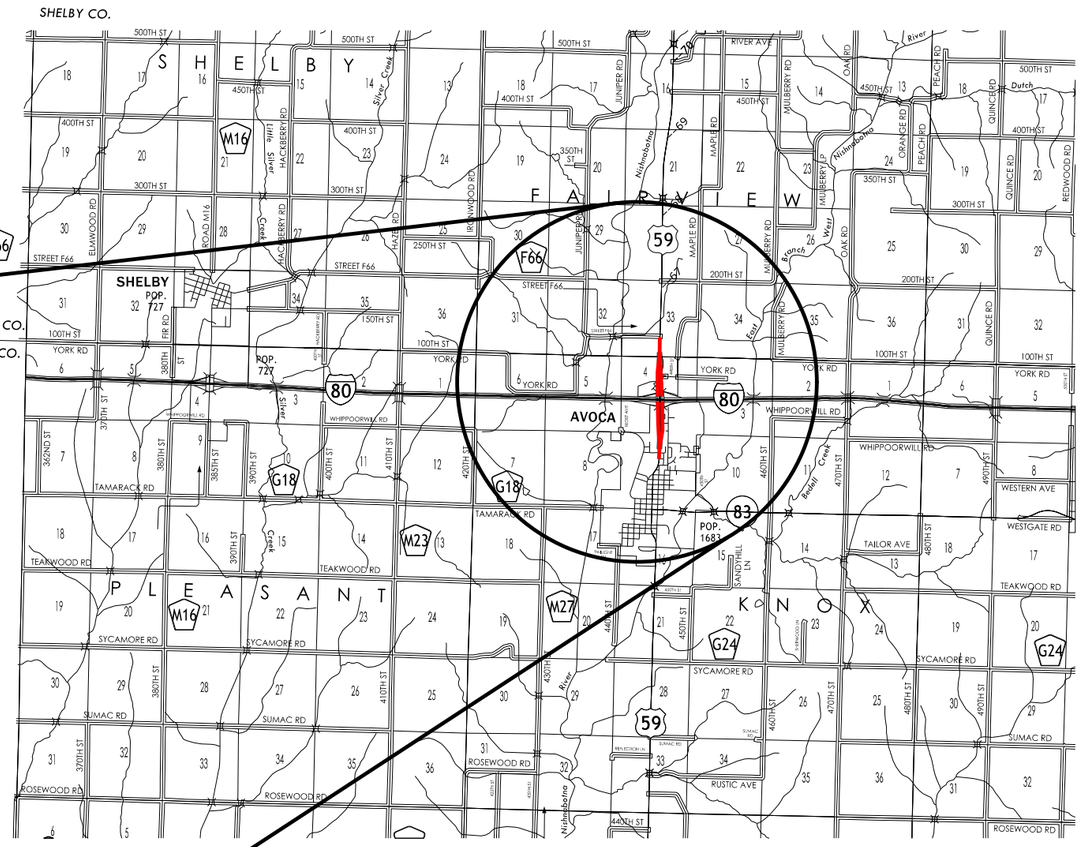
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER A.1

3:55:38 PM 10/5/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\A01_78059056Z06.dgn

END CONSTRUCTION
Ref 66.2 MP
STA. 551+53.00

BRIDGE OVER I-80(EXST)
FHWA/ASSET #43480 (US 59 SB)
FHWA/ASSET #43470 (US 59 NB)





BEGIN CONSTRUCTION
Ref: 64.7 MP
STA. 471+35.75

LOCATION MAP SCALE
0 1 2 3
Miles

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER A.2	

3:37:15 PM 9/16/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\A01_78059056Z06.dgn

INDEX OF SHEETS

No.	DESCRIPTION
A Sheets	**Title Sheets**
A.1	Title Sheet
A.2	Location Map Sheet
A.3	Index of Sheets
B Sheets	**Typical Cross Sections and Details**
B.1 - 8	Typical Cross Sections and Details
B.9 - 11	As-Builts (For Information Only)
C Sheets	**Quantities and General Information**
C.1 - 3	Estimated Project Quantities & Reference Information
C.4	Standard Road Plans
C.4	Index of Tabulations
C.4 - 23	Tabulations
CD Sheets	**Drainage Tabulations**
CD.1 - 2	Drainage Tabulations
CS Sheets	**Soils Tabulations**
CS.1 - 3	Soils Tabulations
D Sheets	**Mainline Plan and Profile Sheets**
D.1	Plan & Profile Legend & Symbol Information Sheet
D.2 - 13	US 59
E Sheets	**Side Road Plan and Profile Sheets**
E.1	Pershing St.
E.2	Wood St. West
E.3	Wood St. East
E.4	N Lavista Heights Rd.
E.5	Marty Dr.
E.6	York Rd.
F Sheets	**Detour or Temporary Pavement Sheets**
F.1 - 10	Stage 1: Detour Plan Sheets US 59
F.11	Stage 1: Detour Plan Sheets Wood St. West
F.12	Stage 1: Detour Plan Sheets York Rd.
F.13	Stage 1: Detour Plan Sheets US 59 / I-80 Ramp B
F.14	Stage 1: Detour Plan Sheets US 59 / I-80 Ramp C
F.15	Stage 1: Detour Plan Sheets US 59 / I-80 Ramp D
F.16	Stage 1: Detour Plan Sheets US 59 / I-80 Ramp E
F.17 - 25	Stage 2A: Detour Plan Sheets US 59
F.26	Stage 2A: Detour Plan Sheets Wood St. West
F.27 - 30	Stage 2B: Detour Plan Sheets US 59
F.31	Stage 4A: Detour Plan Sheets York Rd.
G Sheets	**Survey Sheets**
G.1 - 3	Reference Ties and Bench Marks
G.4 - 8	Horizontal Alignments
G.9	Superelevation Tab.
G.9	Painted Island Tab.
J Sheets	**Traffic Control and Staging Sheets**
J.1	Traffic Control Plan
J.2	Staging Notes
J.3	Traffic Control & Staging Legend & Symbol Info. Sheet
J.4 - 10	Traffic Control & Staging Typicals Cross Sections
J.11 - 17	Stage 1 US 59 Plan Sheets
J.18 - 24	Stage 2A US 59 Plan Sheets
J.25 - 31	Stage 2B US 59 Plan Sheets
J.32 - 38	Stage 3 US 59 Plan Sheets
J.39 - 45	Stage 4A US 59 Plan Sheets
J.46 - 52	Stage 4B US 59 Plan Sheets
J.53 - 59	Stage 5 US 59 Plan Sheets
JU.1	Modified Standard TC-217A
JU.2	Modified Standard TC-217B
JU.3	Modified Standard TC-416
JU.4	Modified Standard TC-63
JU.5	Modified Standard TC-217C
JU.6	Temporary Signal Timimng at Wood St. Intersection
K Sheets	**Interchange Sheets**
K.1	I-80 Ramp B Plan and Profile Sheets
K.2	I-80 Ramp C Plan and Profile Sheets
K.3	I-80 Ramp D Plan and Profile Sheets
K.4	I-80 Ramp E Plan and Profile Sheets
L Sheets	**Geometric, Staking and Jointing Sheets**
L.1	Jointing & Geometrics Legend & Symbol Info. Sheet
L.2 - 14	Geometric & Staking US 59
L.15 - 27	Jointing US 59
L.28 - 34	Edge Return Profiles US 59

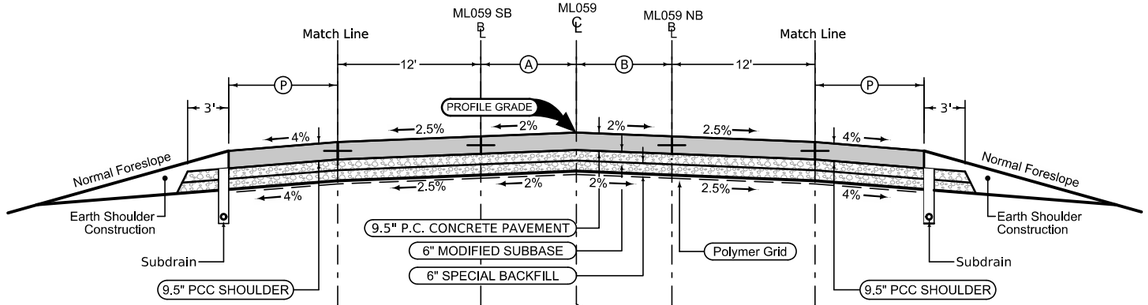
INDEX OF SHEETS

No.	DESCRIPTION
N Sheets	**Traffic Signal Sheets**
N.1 - 29	Traffic Sign Sheets US 59
R Sheets	**Erosion Control Sheets**
RC.1 - 17	Est. Quantities, PPP, General Notes and Tabulations
RR.1	Erosion Control Legend and Symbol Information Sheet
RR.2 - 8	Basin Sheets
RR.9 - 15	Erosion Control Practices Site Sheets
T Sheets	**Earthwork Quantity Sheets**
T.1 - 2	Earthwork Legend
T.3 - 39	Earthwork Quantity Sheets
U Sheets	**500 Series, Mod.Stds. and Detail Sheets**
U.1	Painted Island
V Sheets	**Bridge and Culvert Situation Plans**
VW.1 - 2	US 59 Pipe Cross Sections
VX.1	Side Road Pipe Cross Sections
VY.1	Bridge and Culvert Situation Plans
W Sheets	**Mainline Cross Sections**
W.1	Cross Sections Legend & Symbol Information Sheet
W.1000 - 1076	US 59 Stage 1 Cross Sections
W.2000 - 2141	US 59 Stage 2 Cross Sections
W.3000 - 3141	US 59 Stage 4 Cross Sections
X Sheets	**Side Road Cross Sections**
X.100 - 101	Pershing St. Cross Sections
X.200 - 201	Wood St. East Cross Sections
X.300 - 305	Wood St. West Cross Sections
X.400 - 401	N Lavista Heights Rd. Cross Sections
X.500	Marty Dr. Cross Sections
X.600 - 603	York Rd. Cross Sections
Y Sheets	**Ramp Cross Sections**
Y.100 - 109	Ramp B Cross Sections
Y.200 - 208	Ramp C Cross Sections
Y.300 - 307	Ramp D Cross Sections
Y.400 - 407	Ramp E Cross Sections
Z Sheets	**Detour Cross Sections**
Z.100 - 134	Stage 1 DETML059NB_1
Z.200 - 224	Stage 1 DETML059NB_2
Z.300 - 308	Stage 2A DETML059SB_1
Z.400 - 421	Stage 2A DETML059SB_2

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
SB	471+35.75	471+49.74	10
SB	472+93.72	475+04.84	10
SB	480+20.12	493+23.72	10
SB	493+75.98	501+41.13	10
SB	501+93.13	507+19.69	10
SB	519+28.02	522+32.24	10
SB	525+77.60	551+53.00	10



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
NB	471.35.75	471+71.21	10
NB	472+49.29	475+64.48	10
NB	476+82.46	501+17.94	10
NB	502+15.94	507+21.15	10
NB	519+22.11	523+66.84	10
NB	525+47.51	528+18.56	10
NB	531+15.52	551+53.00	10

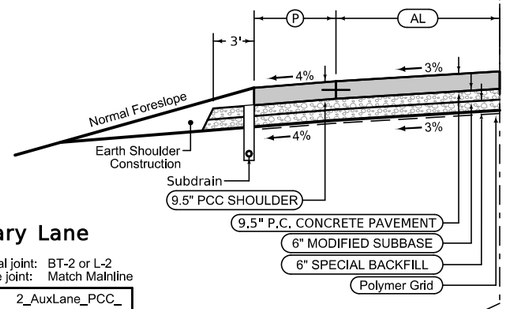
Auxiliary Lane
Full Depth Shoulder

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

Auxiliary Lane

Longitudinal joint: BT-2 or L-2
Transverse joint: Match Mainline

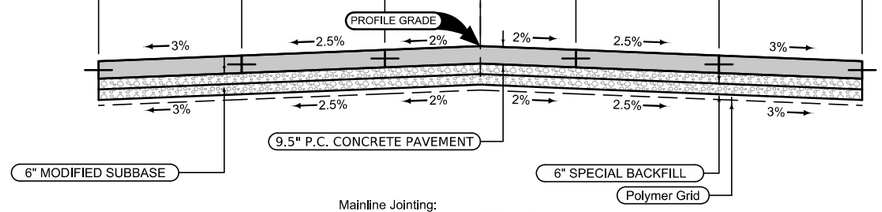
2_AL_Shldr_FullPCC_ 04-15-25		2_AuxLane_PCC_ 04-15-25		
Direction of Travel	(P) Feet	STATION TO STATION		(AL) Feet
SB	6	477+15.84	479+00.00	12
SB	6-10	479+00.00	480+20.12	12-0



Section shown in the direction of stationing.

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

			2P_TWLTL_ Modified	
Direction of Travel	BEGIN STATION	END STATION	(A) Feet	(B) Feet
BOTH	471+35.75	479+35.19	0-12	0-12
BOTH	543+56.83	550+52.45	12-0	12-0
BOTH	550+52.45	551+53.00	0	0



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

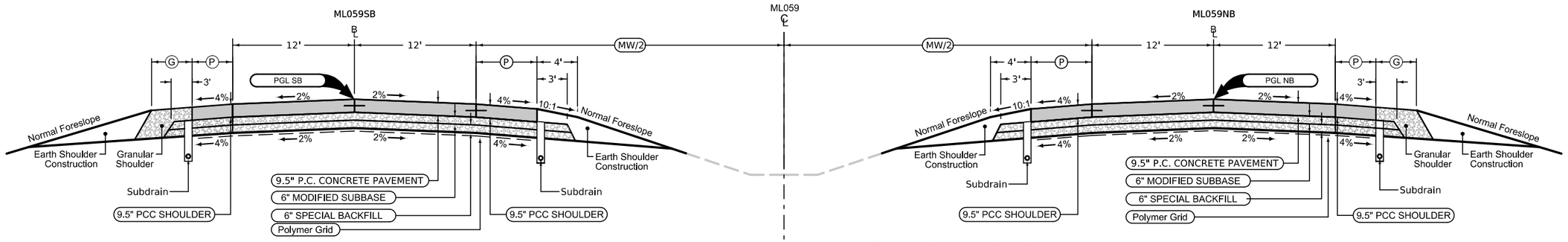
Section shown in the direction of stationing.

			4P_TWLTL_ Modified	
Direction of Travel	BEGIN STATION	END STATION	(A) Feet	(B) Feet
BOTH	479+35.19	500+38.64	0-25	0-24.6
BOTH	500+38.64	500+59.15	25	24.6-25
BOTH	500+59.15	510+60.00	25	25
BOTH	516+60.00	533+21.20	25	25
BOTH	533+21.20	543+56.83	25	25-0

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

US 59

(Sheet 1 of 2)



Full Depth PCC Combination Shoulder

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

2_C_FullPCC_
04-15-25

Direction of Travel	STATION TO STATION		(P) Feet	(G) Feet
SB	510+60.00	511+54.38	4	6
Bridge and Approach				
SB	515+24.62	516+60.00	4	6
SB	551+53.00	556+35.00	4	6

Section shown in the direction of stationing.

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
SB	510+60.00	511+54.38	50
Bridge and Approach			
SB	515+24.62	516+60.00	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
SB	510+60.00	511+54.38	4
Bridge and Approach			
SB	515+24.62	516+60.00	4

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
NB	510+60.00	511+57.16	4
Bridge and Approach			
NB	515+16.85	516+60.00	4

Section shown in the direction of stationing.

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
NB	510+60.00	511+57.16	50
Bridge and Approach			
NB	515+16.85	516+60.00	50

Full Depth PCC Combination Shoulder

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

2_C_FullPCC_
04-15-25

Direction of Travel	STATION TO STATION		(P) Feet	(G) Feet
NB	510+60.00	511+57.16	4	6
Bridge and Approach				
NB	515+16.85	516+60.00	4	6
NB	551+53.00	555+40.00	4	6

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

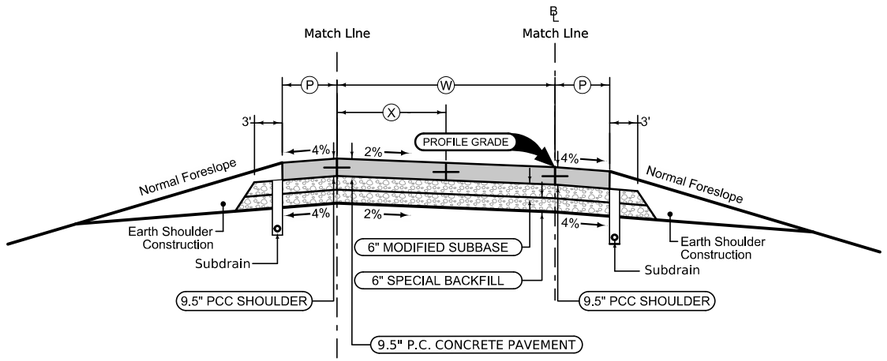
US 59

(Sheet 2 of 2)

Full Depth PCC Shoulder

PCC Shoulder Jointing:
Longitudinal joint: BT-1 or BT-5
Transverse joints: C at 15' spacing

			4_P_FullPCC_ 04-15-25
ROAD IDENTIFICATION	BEGIN STATION	END STATION	(P) Feet
Ramp B	2652+70.00	2653+67.72	4
Ramp D	4653+74.26	4655+40.00	4



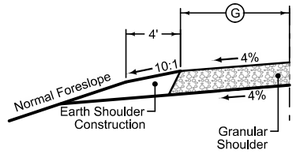
Full Depth PCC Shoulder

PCC Shoulder Jointing:
Longitudinal joint: BT-1 or BT-5
Transverse joints: C at 15' spacing

			4_P_FullPCC_ 04-15-25
ROAD IDENTIFICATION	BEGIN STATION	END STATION	(P) Feet
Ramp B	2652+70.00	2653+67.72	10
Ramp D	4653+74.26	4655+40.00	4

Granular Shoulder

			1R_G_ 10-19-10
ROAD IDENTIFICATION	BEGIN STATION	END STATION	(G) Feet
Ramp B	2649+20.00	2652+70.00	4
Ramp D	4655+40.00	4657+60.00	4



Section shown in the direction of traffic.

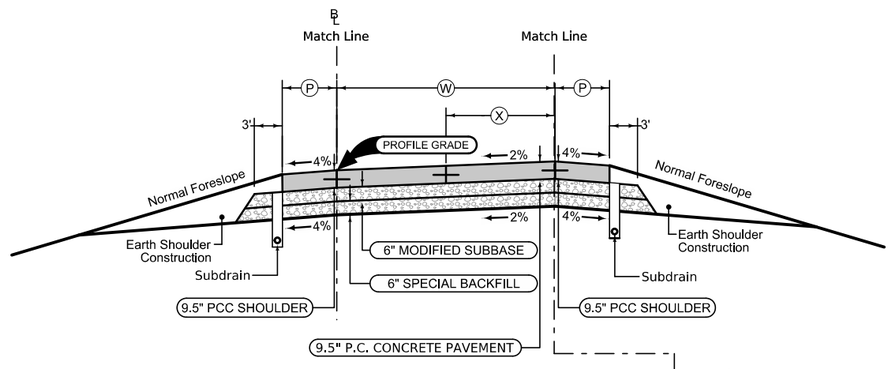
Ramp Jointing:
Transverse joints: CD at 15' spacing.
Longitudinal joints: L-2

			1RP_ 04-20-21	
ROAD IDENTIFICATION	BEGIN STATION	END STATION	(W) Feet	(X) Feet
Ramp B	2652+70.00	2653+67.72	18	8
Ramp D	4653+74.26	4655+40.00	24	16

Full Depth PCC Shoulder

PCC Shoulder Jointing:
Longitudinal joint: BT-1 or BT-5
Transverse joints: C at 15' spacing

			4_P_FullPCC_ 04-15-25
ROAD IDENTIFICATION	BEGIN STATION	END STATION	(P) Feet
Ramp C	3653+43.81	3651+30.00	4
Ramp E	5655+00.00	5653+45.23	10



Section shown in the direction of traffic.

Ramp Jointing:
Transverse joints: CD at 15' spacing.
Longitudinal joints: L-2

			1RP_ 04-20-21	
ROAD IDENTIFICATION	BEGIN STATION	END STATION	(W) Feet	(X) Feet
Ramp C	3653+43.81	3651+30.00	24	12
Ramp E	5655+00.00	5653+45.23	18	8

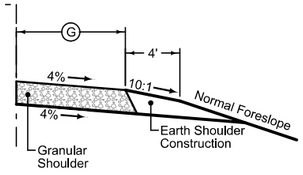
Full Depth PCC Shoulder

PCC Shoulder Jointing:
Longitudinal joint: BT-1 or BT-5
Transverse joints: C at 15' spacing

			4_P_FullPCC_ 04-15-25
ROAD IDENTIFICATION	BEGIN STATION	END STATION	(P) Feet
Ramp C	3653+43.81	3651+30.00	4
Ramp E	5655+00.00	5653+45.23	4

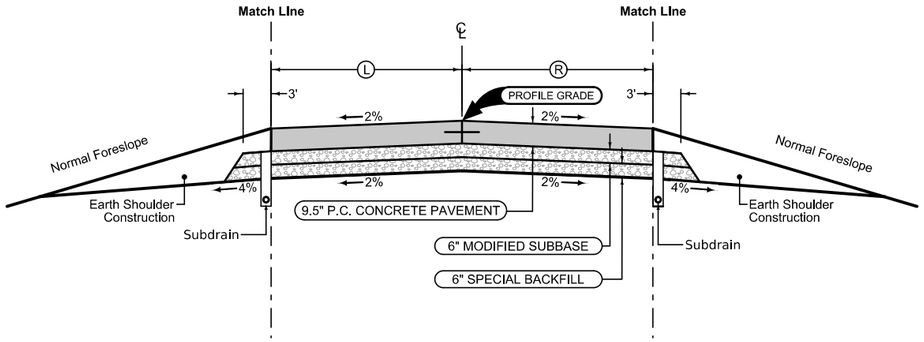
Granular Shoulder

			1R_G_ 10-19-10
ROAD IDENTIFICATION	BEGIN STATION	END STATION	(G) Feet
Ramp C	3648+90.00	3651+30.00	4
Ramp E	5655+00.00	5658+40.00	4



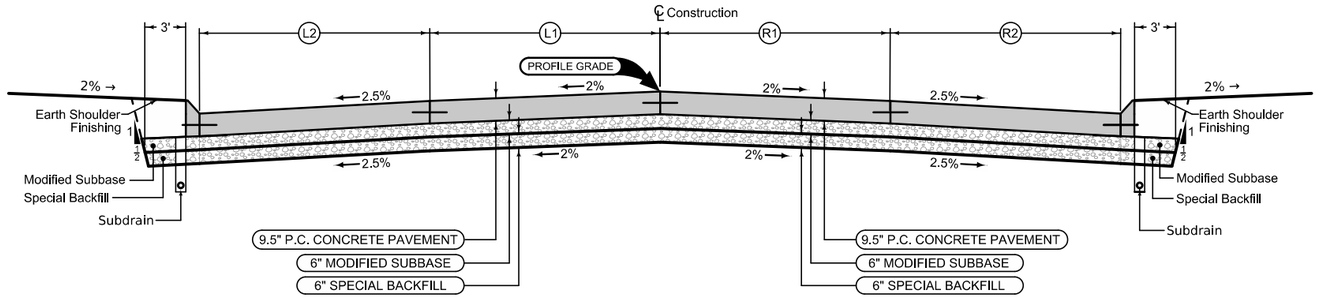
See Tab 100-24M for pavement quantities.
See Tab 112-9 for shoulder quantities.

US 59 Ramps



Section shown in the direction of stationing.
Mainline Jointing:
Transverse joints: CD at 17' spacing
Longitudinal joint: L-2

				2P_ MODIFIED
ROAD IDENTIFICATION	STATION TO STATION		(L) Feet	(R) Feet
Pershing St.	1472+23.63	1472+55.00	9	9
W Wood St.	2474+90.00	2476+15.34	12	12
E Wood St.	2476+42.27	2477+95.00	9	9



Mainline Jointing:
Longitudinal joint: L-2 or BT-2 at 12' spacing
Transverse joints: CD at 17' spacing

							MODIFIED 04-21-20	2_Curb_ 04-21-20
ROAD IDENTIFICATION	STATION TO STATION		(L1) Feet	(L2) Feet	(R1) Feet	(R2) Feet		Curb Type See PV-102
N Lavista	3502+15.91	3502+42.00	12	12	12	12		
Marty Dr.	4424+13.41	4423+73.39	12	12	12	12		6" Standard
York Rd.	5530+17.40	5531+45.00	13	13	13	13		

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

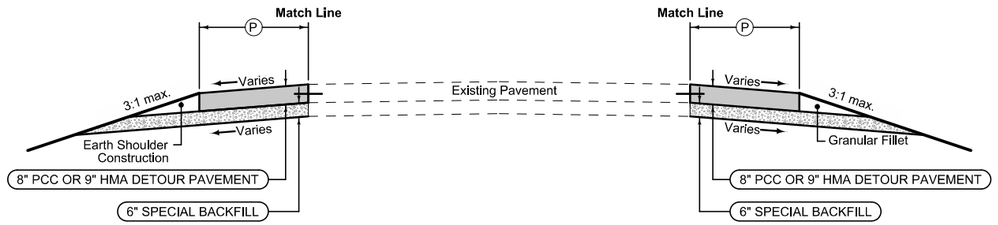
Side Roads

Detour Pavement

PCC Shoulder Jointing:
Longitudinal joint: BT-1 or BT-5
Transverse joints: C at 17' spacing
HMA Shoulder Jointing:
Longitudinal joint: B

				2_P_ALT_ 04-21-20
Direction of Travel	ROAD IDENTIFICATION	STATION TO STATION		Ⓟ Feet
Stage 1				
WB	Wood St	2474+20.00	2474+96.46	4
WB	Wood St	2474+96.46	2475+20.60	2
Stage 2A				
SB	US 59	467+34.79	471+35.52	4-12
SB	US 59	544+14.38	544+88.39	2
SB	US 59	544+88.39	551+53.02	2-11
SB	US 59	551+53.02	555+52.17	20-4
SB	US 59	555+52.17	556+32.54	4
Stage 4A				
WB	York Rd	5530+97.80	5531+50.12	0-7.1
WB	York Rd	5531+50.12	5531+62.17	7.1-0

* See F Sheets

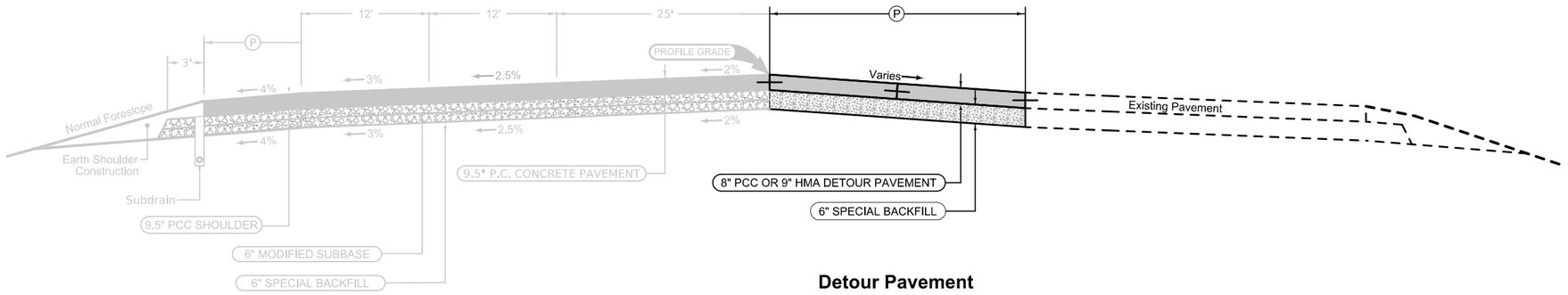


Detour Pavement

PCC Shoulder Jointing:
Longitudinal joint: BT-1 or BT-5
Transverse joints: C at 17' spacing
HMA Shoulder Jointing:
Longitudinal joint: B

				2_P_ALT_ 04-21-20
Direction of Travel	ROAD IDENTIFICATION	STATION TO STATION		Ⓟ Feet
Stage 1				
NB	US 59	466+50.00	471+35.75	3-21.9
NB	US 59	471+35.75	472+74.88	21.9-19.9
NB	US 59	472+74.88	475+25.16	18-26.2
NB	US 59	475+25.16	484+65.26	26.2-2
NB	US 59	542+10.78	542+48.21	2
NB	US 59	542+48.21	544+22.58	2-8.8
NB	US 59	544+22.58	545+79.81	8.8-12.4
NB	US 59	545+79.81	546+84.80	12.4
NB	US 59	546+84.80	549+98.18	11.7-19.8
NB	US 59	549+98.18	555+37.65	19.8-3.3
EB	York Rd	5530+89.84	5531+73.16	0-10.3
EB	York Rd	5531+73.16	5532+56.49	10.3-0
EB	York Rd	5533+26.12	5533+60.86	0-11.8
EB	York Rd	5533+60.86	5533+95.59	11.8-0
Stage 2A				
EB	Wood St	2474+25.00	2475+41.53	6
EB	Wood St	2475+41.53	2475+67.69	4-0

* See F Sheets



Detour Pavement

PCC Shoulder Jointing:
Longitudinal joint: BT-1 or BT-5
Transverse joints: C at 17' spacing
HMA Shoulder Jointing:
Longitudinal joint: B

			2_P_ALT_ 04-21-20
ROAD IDENTIFICATION	STATION TO STATION		Ⓟ Feet
Stage 2A			
US 59	501+35.00	502+00.00	25
US 59	506+70.00	507+00.00	6
US 59	507+00.00	508+27.00	25
US 59	518+56.00	519+47.00	25
US 59	519+47.00	519+77.00	6
US 59	523+75.37	524+62.63	25
US 59	530+12.62	530+32.36	25
Stage 2B			
US 59	508+78.23	509+62.51	25
US 59	517+56.51	518+35.74	25
US 59	524+62.35	525+50.12	25
US 59	528+61.64	529+68.09	25

* See F Sheets

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

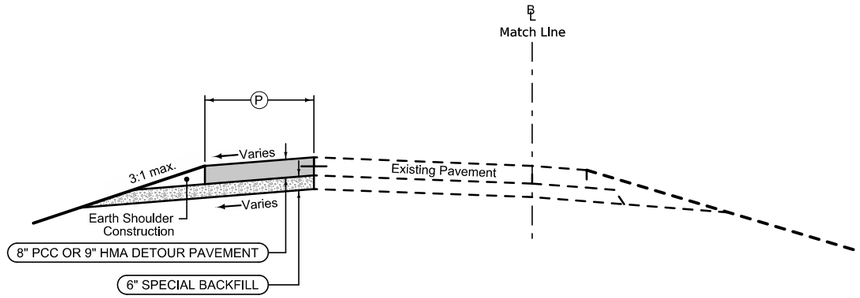
US 59
Detour Pavement

Detour Pavement

PCC Shoulder Jointing:
Longitudinal joint: BT-1 or BT-5
Transverse joints: C at 17' spacing
HMA Shoulder Jointing:
Longitudinal joint: B

			1R_P_ALT_ 10-16-18
ROAD IDENTIFICATION	BEGIN STATION	END STATION	(P) Feet
Ramp B	2650+95.00	2653+62.99	4-14.1
Ramp D	4653+86.47	4657+47.97	45.2-5

* See F Sheets

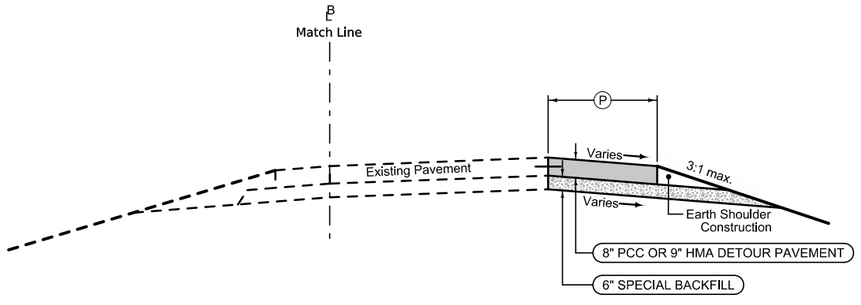


Detour Pavement

PCC Shoulder Jointing:
Longitudinal joint: BT-1 or BT-5
Transverse joints: C at 17' spacing
HMA Shoulder Jointing:
Longitudinal joint: B

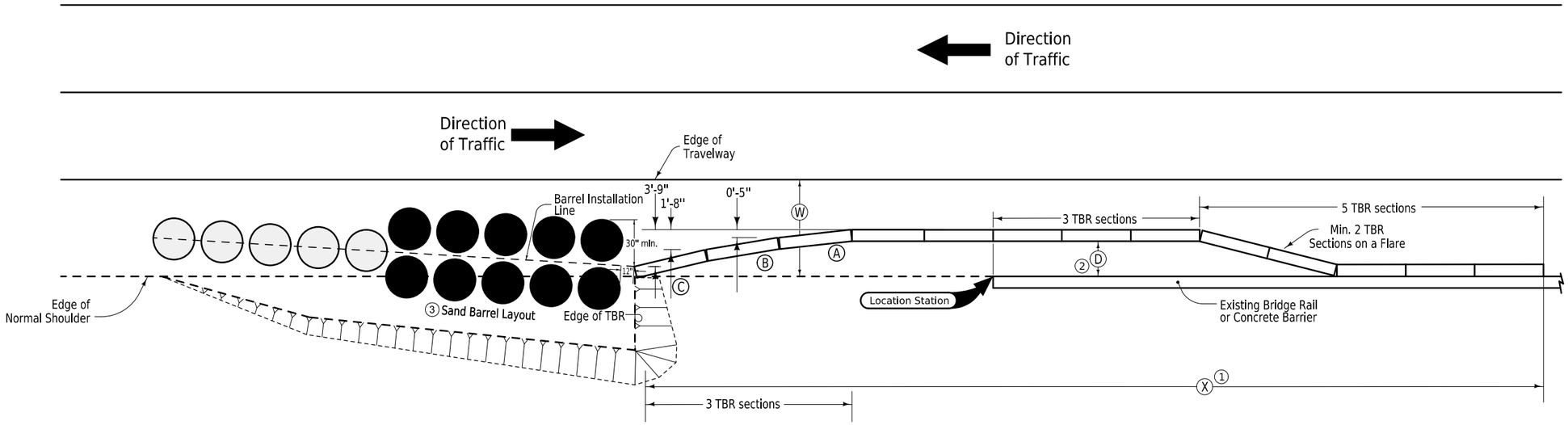
			1R_P_ALT_ 10-16-18
ROAD IDENTIFICATION	BEGIN STATION	END STATION	(P) Feet
Ramp C	3649+64.99	3653+34.85	4-13.7
Ramp E	5653+53.87	5657+94.18	37.6-4.8

* See F Sheets



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

US 59 Ramps
Detour Pavement



1. Distance = number of section needed times 12.5'
   See BA-401 for Temporary Barrier Details.
   See Tab. 108-33M for quantities.

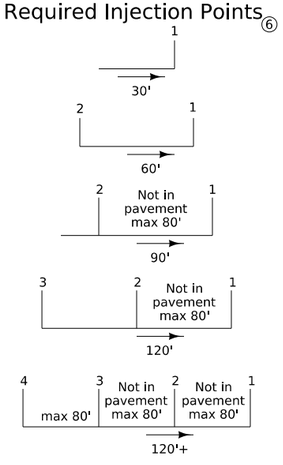
2. D < 24" then Anchor Temporary Barrier Rail.
   D ≥ 24" then Unachored Temporary Barrier Rail.

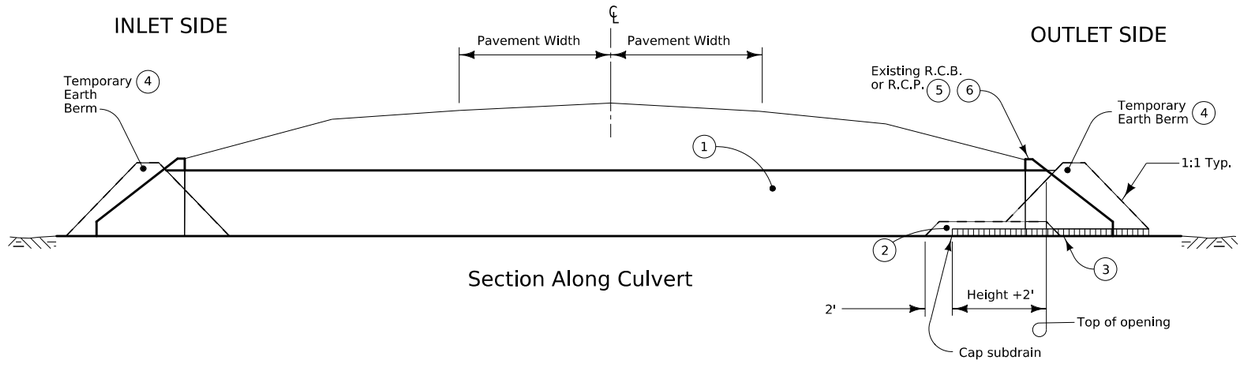
3. See BA-500 for Temporary Crash Cushion details.
   See Tab. 108-30 for quantites.

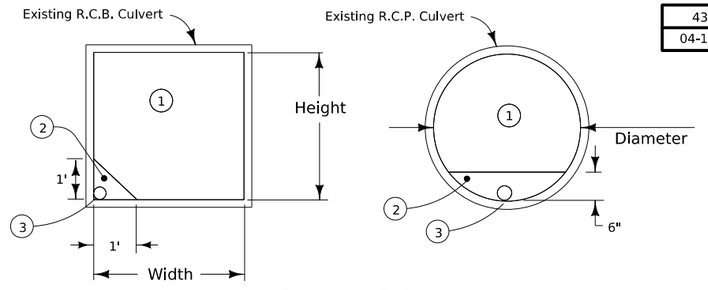
Location Station	Bridge Over	Corner	Traffic Direction	D Inches	W Feet	X Feet
514+60.45	I-80	NW	SB	6	3	162.5
512+22.95	I-80	SE	NB	6	3	162.5
TOTAL						325

TBR OVERLAP FOR
EXPOSED BRIDGE RAIL

Required Injection Points ⑥







4315
04-15-08

① Flowable Mortar.

② Granular Backfill.

③ 4" subdrain at flowline elevation of culvert shall be extended into the culvert a distance of 2' plus the height of the culvert. Granular Backfill covers subdrain and extends an additional 2'. Subdrain and granular backfill are incidental to flowable mortar.

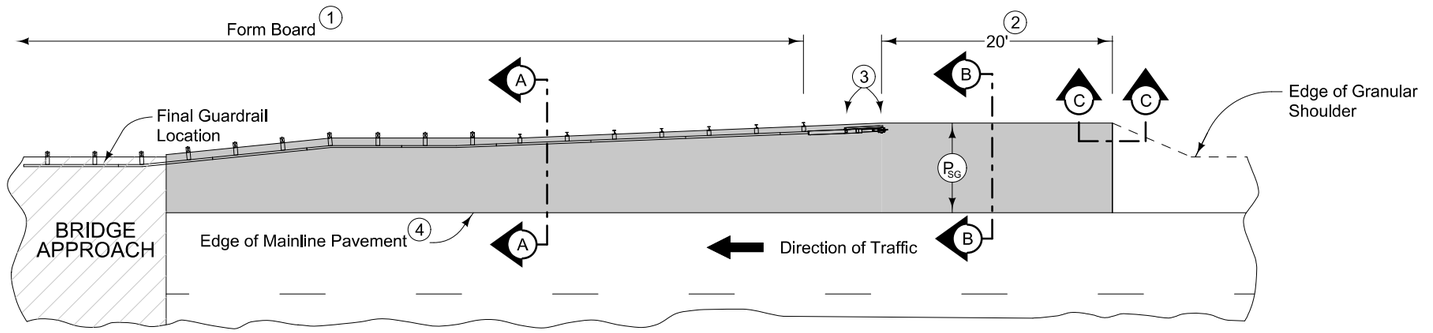
④ Ends of culvert shall be plugged sufficiently to retain flowable mortar. Temporary earth berms are incidental to flowable mortar.

⑤ Removal of headwalls may be required.

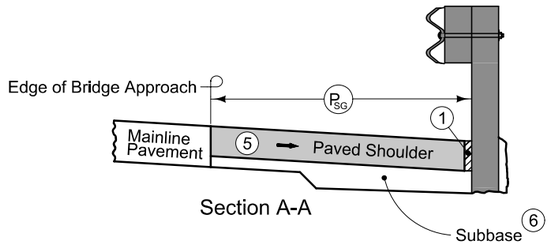
⑥ Outlet shall be filled first. See injection point detail for additional information.

DETAILS OF CULVERT ABANDONMENT WITH FLOWABLE MORTAR
(Rectangular structures less than 8' in either height or width.
Circular structures less than 10' Dia.)

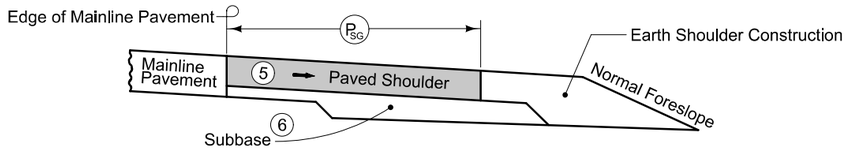
7156B
MODIFIED



PLAN VIEW



Section A-A



Section B-B

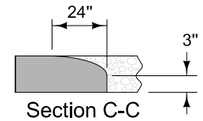
NEW CONSTRUCTION

9.5" PCC Paved Shoulder at guardrail with the following jointing layout:

Match mainline pavement joint spacing. When mainline pavement is 9.5" 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.

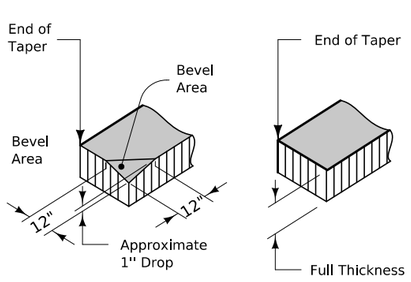
1. When guardrail posts are installed prior to construction of PCC paved shoulder, fasten form board to the face of guardrail posts for the length shown.
2. Continue paved shoulder 20 feet beyond the center of the first post.
3. Shoulder may be notched for first 2 posts or post sleeves may be installed through pavement. Do not drive posts through pavement.
4. 'BT' joint (per PV-101) for PCC shoulder.
5. Design shoulder slope.
6. Refer to other details in the plan.



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

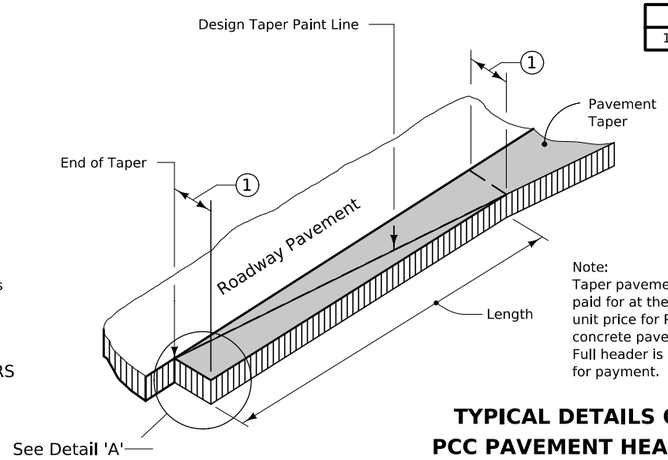
PAVED SHOULDER AT GUARDRAIL (GRANULAR SHOULDER ADJACENT TO MAINLINE)

7101
10-19-10



DETAIL 'A'
FOR
GRANULAR SHOULDERS

DETAIL 'A'
FOR
PAVED SHOULDERS

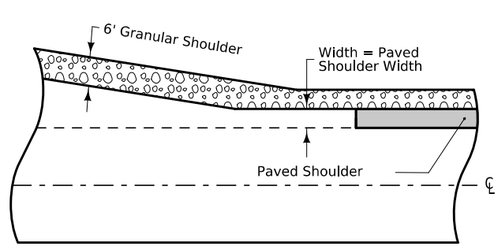


Note:
Taper pavement to be paid for at the contract unit price for P.C. concrete pavement. Full header is included for payment.

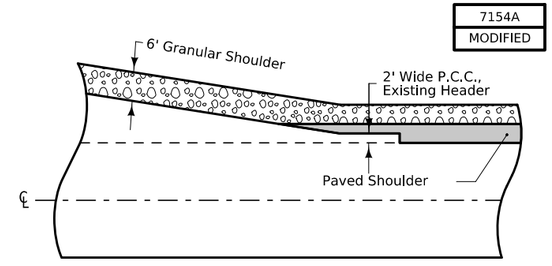
1. Normal width is 2'-0". Construct 4'-0" width when butting into 4' wide HMA shoulders (See Typical 7154A).

TYPICAL DETAILS OF PCC PAVEMENT HEADER

7154A
MODIFIED



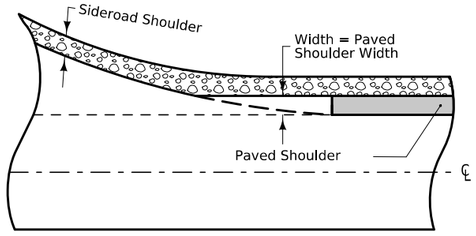
With Newly Constructed Turn Lanes



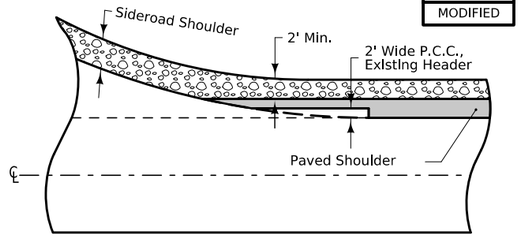
At UAC Turn Lanes

PAVED SHOULDER DETAIL AT TURN LANES

7154B
MODIFIED



With Newly Constructed Returns



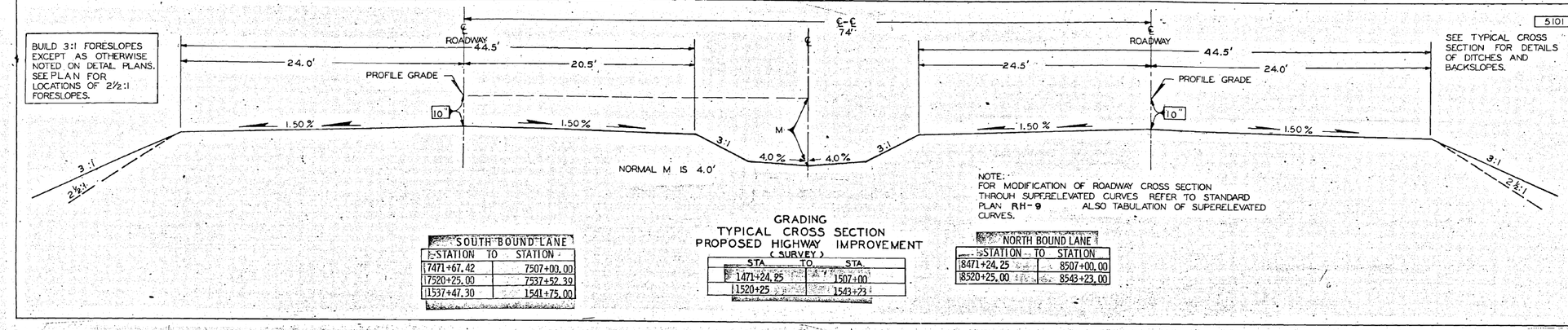
At UAC Returns

PAVED SHOULDER DETAIL AT RETURNS

FED. ROAD DIST. NO.	STATE	F.N. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IOWA	554		2A	54

BUILD 3:1 FORESLOPES EXCEPT AS OTHERWISE NOTED ON DETAIL PLANS. SEE PLAN FOR LOCATIONS OF 2½:1 FORESLOPES.

5101



NOTE:
FOR MODIFICATION OF ROADWAY CROSS SECTION THROUH SUPERELEVATED CURVES REFER TO STANDARD PLAN RH-9 ALSO TABULATION OF SUPERELEVATED CURVES.

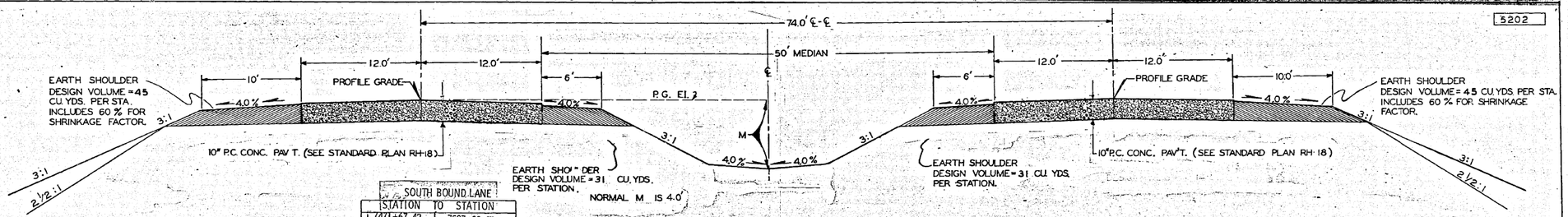
GRADING
TYPICAL CROSS SECTION
PROPOSED HIGHWAY IMPROVEMENT
(SURVEY)

STA.	TO	STA.
1471+24.25		1507+00
1520+25		1543+23

SOUTH BOUND LANE		
STATION	TO	STATION
7471+67.42		7507+00.00
7520+25.00		7537+52.39
7537+47.30		7541+75.00

NORTH BOUND LANE		
STATION	TO	STATION
8471+24.25		8507+00.00
8520+25.00		8543+23.00

5202



NOTE:
FOR MODIFCATION OF ROADWAY CROSS SECTION THROUGH SUPERELEVATED CURVES, REFER TO STANDARD PLAN RH-9 ALSO SEE TABULATION OF SUPERELEVATED CURVES.

TYPICAL CROSS SECTION
PROPOSED HIGHWAY IMPROVEMENT
(SURVEY)

STA.	TO	STA.
1471+24.25		1507+00.00
1520+25.00		1543+23.00

SOUTH BOUND LANE		
STATION	TO	STATION
7471+67.42		7507+00.00
7520+25.00		7537+52.39
7537+47.30		1541+75.00

NORTH BOUND LANE		
STATION	TO	STATION
8471+24.25		8507+00.00
8520+25.00		8543+23.00

For Information Only

D-17

Pottawattamie COUNTY FN PROJECT NO. 554 SHEET NO. 2A

STANDARD BLUE PRINT CO. (1803—HTWY W 5

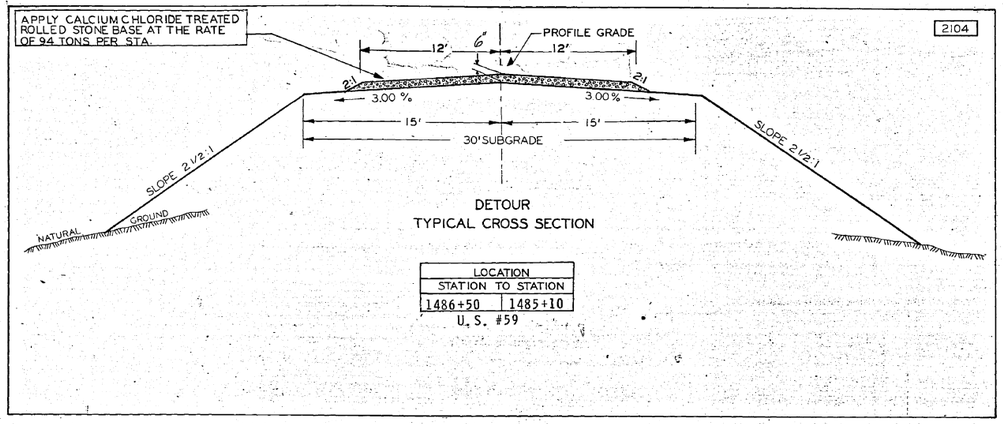
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER B.9

10:37:07 AM 10/2/2026 emcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\B01_78059056Z06.dgn

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IOWA	554		28	54

2104

APPLY CALCIUM CHLORIDE TREATED ROLLED STONE BASE AT THE RATE OF 94 TONS PER STA.

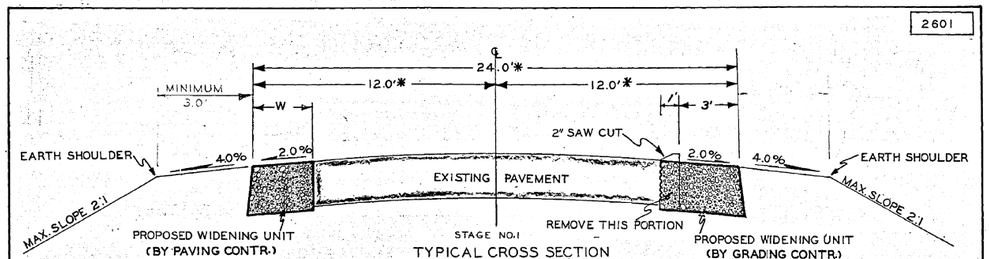


DETOUR
TYPICAL CROSS SECTION

LOCATION	
STATION	TO STATION
1486+50	1485+10

U. S. #59

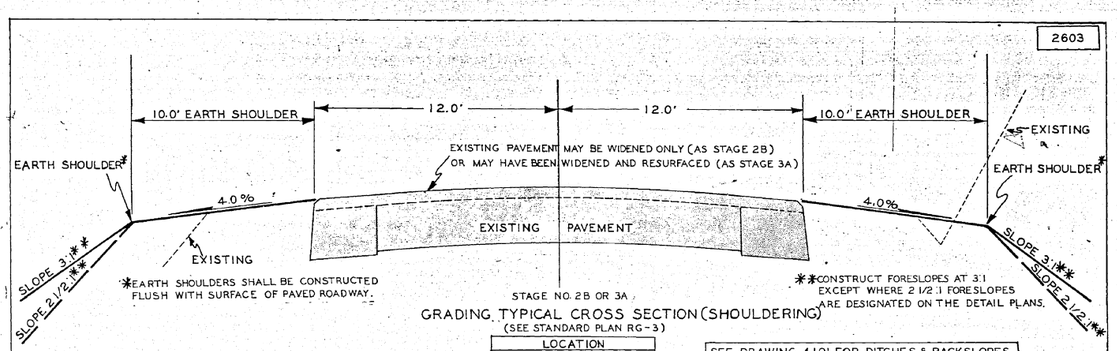
2601



TYPICAL CROSS SECTION
(SEE STANDARD PLAN RG-3)
PORTLAND CEMENT CONCRETE PAVEMENT WIDENING
* EXCEPT AS MODIFIED THROUGH AREAS OF SUPERELEVATED CURVES

LOCATION	
STATION	TO STATION
1541+75	1543+23

2603

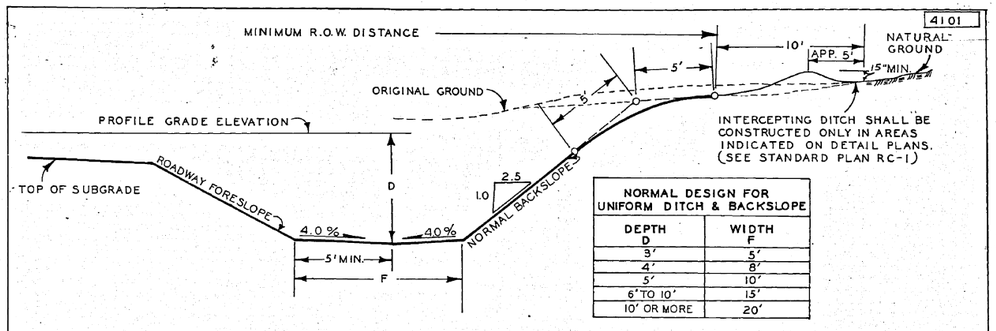


GRADING, TYPICAL CROSS SECTION (SHOULDERING)
(SEE STANDARD PLAN RG-3)

LOCATION	
STATION	TO STATION
1541+75	1543+23

SEE DRAWING 4101 FOR DITCHES & BACKSLOPES

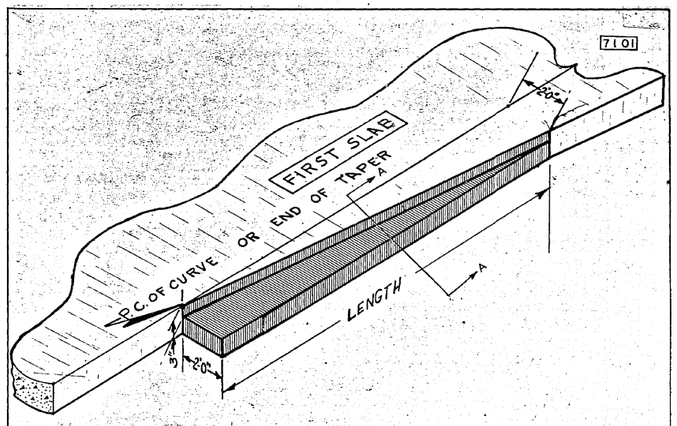
4101



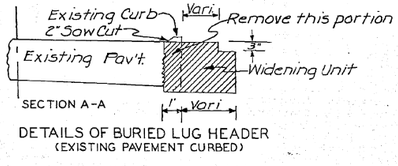
NORMAL DESIGN FOR UNIFORM DITCH & BACKSLOPE	
DEPTH D	WIDTH F
3'	5'
4'	8'
5'	10'
6' TO 10'	15'
10' OR MORE	20'

TYPICAL CROSS SECTION
OF DITCHES & BACKSLOPES

7101



(PERSPECTIVE VIEW)
TYPICAL DETAIL OF P.C. CONCRETE BURIED LUG HEADER
(SEE JOINT BH ON STANDARD PLAN RH-2)



DETAILS OF BURIED LUG HEADER
(EXISTING PAVEMENT CURBED)

For Information Only

D-17

Pottawattamie COUNTY FN PROJECT NO. 554 SHEET NO. 28

Standard Blue Print Co. (303)--HTWT. IA.

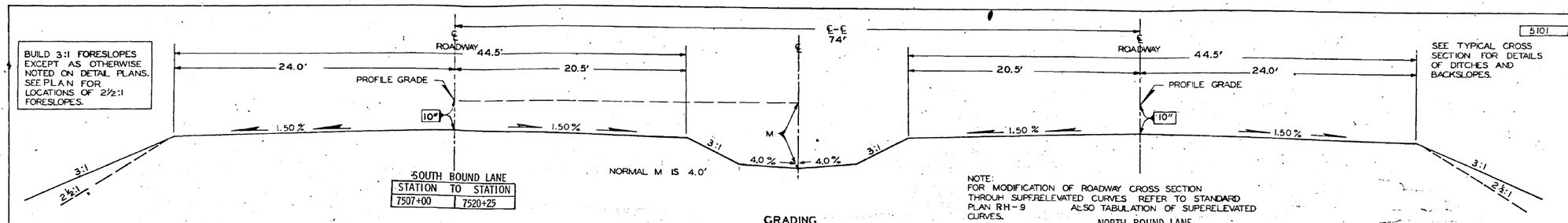
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER B.10

10:37:15 AM 10/2/2026 emcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\B01_78059056Z06.dgn

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.
5	IOWA	80-I(21)40		2B

BUILD 3:1 FORESLOPES EXCEPT AS OTHERWISE NOTED ON DETAIL PLANS. SEE PLAN FOR LOCATIONS OF 2½:1 FORESLOPES.

5101



SEE TYPICAL CROSS SECTION FOR DETAILS OF DITCHES AND BACKSLOPES.

SOUTH BOUND LANE

STATION	TO	STATION
7507+00		7520+25

NOTE:
FOR MODIFICATION OF ROADWAY CROSS SECTION THROUGH SUPERELEVATED CURVES REFER TO STANDARD PLAN RH-9 ALSO TABULATION OF SUPERELEVATED CURVES.

NORTH BOUND LANE

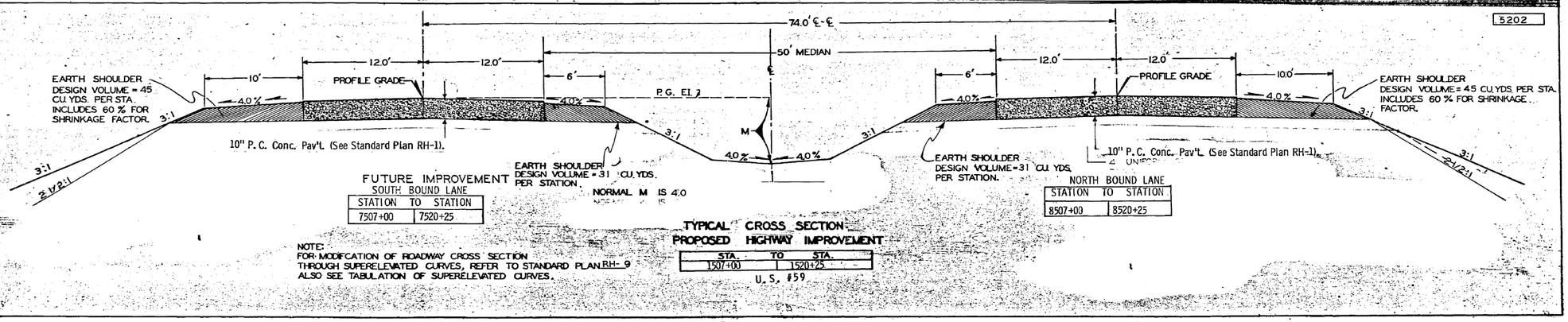
STATION	TO	STATION
8507+00		8520+25

GRADING
TYPICAL CROSS SECTION
PROPOSED HIGHWAY IMPROVEMENT

STA.	TO	STA.
1507+00		1520+25

U.S. #59

5202



FUTURE IMPROVEMENT

SOUTH BOUND LANE

STATION	TO	STATION
7507+00		7520+25

NORTH BOUND LANE

STATION	TO	STATION
8507+00		8520+25

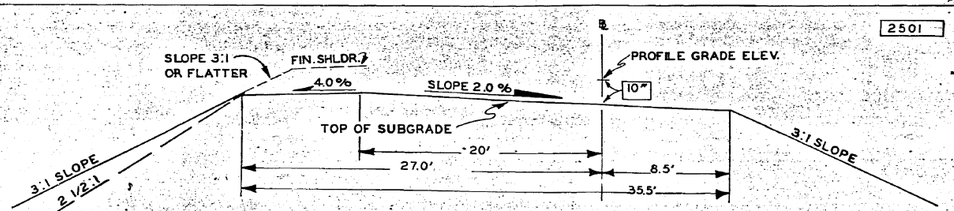
NOTE:
FOR MODIFICATION OF ROADWAY CROSS SECTION THROUGH SUPERELEVATED CURVES, REFER TO STANDARD PLAN RH-9
ALSO SEE TABULATION OF SUPERELEVATED CURVES.

TYPICAL CROSS SECTION
PROPOSED HIGHWAY IMPROVEMENT

STA.	TO	STA.
1507+00		1520+25

U.S. #59

2501

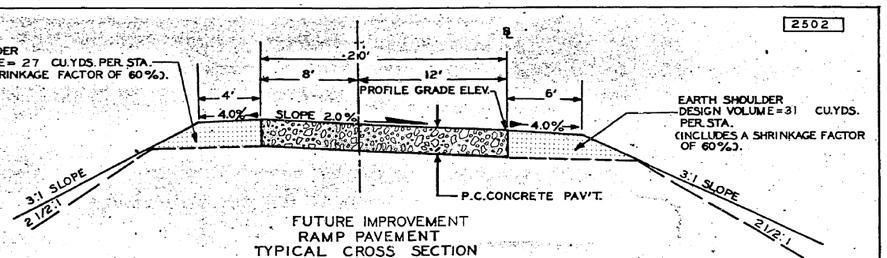


BUILD 3:1 FORESLOPES EXCEPT AS OTHERWISE NOTED ON PLANS.

GRADING
TYPICAL CROSS SECTION

LOCATION
STATION TO STATION
ALL RAMPS

2502



FUTURE IMPROVEMENT
RAMP PAVEMENT
TYPICAL CROSS SECTION
PROPOSED HIGHWAY IMPROVEMENT

STA.	TO	STA.
ALL RAMPS		

For Information Only

D-11

Pottattamie COUNTY I PROJECT NO. 80-I(21)40 SHEET NO. 2B

STANDARD BLUE PRINT CO. IOWA—HWY. W.S.

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER B.11

10:37:22 AM 10/2/2026 emcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\B01_78059056Z06.dgn

ESTIMATED PROJECT QUANTITIES AND REFERENCE NOTES

Roadway Items : Roadway Items

Item no.	Item Code	Item	Unit	Quantities	Estimate Reference Notes
				Estimated	
				Roadway Items	
1	2101-0850001	CLEARING AND GRUBBING	ACRE	7.5	Quantity includes all disturbed area.
2	2102-0425071	SPECIAL BACKFILL	CY	17,687.8	See Tab. 100-24M and Tab. 112-9M in the C Sheets for locations and details. Existing HMA and PCC from Pavement removal may be used on the project as special backfill.
3	2102-2625001	EMBANKMENT-IN-PLACE, CONTRACTOR FURNISHED	CY	13,430	See Tab. 107-28 in the T Sheets for locations and details.
4	2102-2710070	EXCAVATION, CLASS 10, ROADWAY AND BORROW	CY	26,385	See Tab. 107-28 in the T Sheets for locations and details.
5	2102-2710090	EXCAVATION, CLASS 10, WASTE	CY	423	See Tab. 107-28 in the T Sheets for locations and details.
6	2102-2712015	EXCAVATION, CLASS 12, BOULDERS OR ROCK FRAGMENTS	CY	5	See Tab. 103-7 in the CS Sheets for details.
7	2105-8425015	TOPSOIL, STRIP, SALVAGE AND SPREAD	CY	12,387	See Tab. 103-10 in the CS Sheets and Tab. 107-28 in the T Sheets for locations and details.
8	2107-0875100	COMPACTION WITH MOISTURE CONTROL	CY	33,367	See Tab. 103-6 in the CS Sheets and Tab. 107-28 in the T Sheets for locations and details.
9	2113-0001100	SUBGRADE STABILIZATION MATERIAL, POLYMER GRID	SY	78,978.2	See Tab. 100-24M and Tab. 112-9M in the C Sheets for locations and details. During different stages, the grid shall be overlapped a minimum of 2 feet.
10	2115-0100000	MODIFIED SUBBASE	CY	15,488.3	See Tab. 100-24M and Tab. 112-9M in the C Sheets for locations and details. Use of RAP is not allowed.
11	2121-7425010	GRANULAR SHOULDERS, TYPE A	TON	806.4	See Tab. 112-9M in the C Sheets for locations and details.
12	2122-5190095	PAVED SHOULDER, P.C. CONCRETE, 9.5 IN.	SY	15,432.7	See Tab. 112-9M in the C Sheets for locations and details.
13	2123-7450000	SHOULDER CONSTRUCTION, EARTH	STA	253.5	See Tab. 112-9M in the C Sheets for locations and details. Approximately 4,559 CY of topsoil is available on this project for Earth Shoulder Fill.
14	2123-7450020	SHOULDER FINISHING, EARTH	STA	1.1	See Tab. 112-9M in the C Sheets for locations and details.
15	2301-1003095	STANDARD OR SLIP-FORM PORTLAND CEMENT CONCRETE PAVEMENT, QM-C, CLASS 3 DURABILITY, 9.5 IN.	SY	71,557.7	See Tab. 100-24M in the C Sheets for locations and details.
16	2301-7000110	PAYMENT ADJUSTMENT INCENTIVE/DISINCENTIVE FOR PCC PAVEMENT THICKNESS (BY SCHEDULE)	EACH	83,722.5	
17	2304-0100000	DETOUR PAVEMENT	SY	12,387.4	See Tab. 100-24M in the C Sheets, the B Sheets and the F Sheets for locations and details.

Item no.	Item Code	Item	Unit	Quantities	Estimate Reference Notes
				Estimated	
				Roadway Items	
18	2315-8275025	SURFACING, DRIVEWAY, CLASS A CRUSHED STONE	TON	58.1	See Tab. 102-3 in the C Sheets for locations and details.
19	2317-7000110	PAYMENT ADJUSTMENT INCENTIVE/DISINCENTIVE FOR PCC PAVEMENT SMOOTHNESS (BY SCHEDULE)	EACH	53,668.3	
20	2416-0101036	REMOVE AND REINSTALL CONCRETE PIPE APRONS LESS THAN OR EQUAL TO 36 IN.	EACH	2	See Tab. 104-3 in the CD sheets for locations and details
21	2417-0225024	APRONS, METAL, 24 IN. DIA.	EACH	1	See Tab. 104-3 in the CD Sheets for locations and details.
22	2417-0341036	REMOVE AND REINSTALL METAL APRONS LESS THAN OR EQUAL TO 36 IN.	EACH	3	See Tab. 104-3 in the CD sheets for locations and details.
23	2417-1060024	CULVERT, CORRUGATED METAL ROADWAY PIPE, 24 IN. DIA.	LF	3	See Tab. 104-3 in the CD Sheets for locations and details.
24	2417-1461036	REMOVE AND REINSTALL CORRUGATED PIPE CULVERT LESS THAN OR EQUAL TO 36 IN.	LF	7	See Tab. 104-3 in the CD Sheets for locations and details.
25	2422-1723018	CULVERT, UNCLASSIFIED ROADWAY PIPE, 18 IN. DIA.	LF	170	See Tab. 104-3 in the CD Sheets for locations and details.
26	2422-1723024	CULVERT, UNCLASSIFIED ROADWAY PIPE, 24 IN. DIA.	LF	83	
27	2422-1723030	CULVERT, UNCLASSIFIED ROADWAY PIPE, 30 IN. DIA.	LF	11	See Tab. 104-3 in the CD Sheets for locations and details.
28	2502-6745952	REMOVAL OF SUBDRAIN	LF	8,398.9	See Tab. 110-19 in the CS Sheets for locations and details.
29	2502-8212034	SUBDRAIN, LONGITUDINAL, (SHOULDER) 4 IN. DIA.	LF	16,349.1	See Tab. 104-09A in the CS Sheets for locations and details.
30	2502-8221306	SUBDRAIN OUTLET, DR-306	EACH	68	
31	2505-4008120	REMOVAL OF STEEL BEAM GUARDRAIL	LF	325	See Tab. 110-7A in the C Sheets for locations and details.
32	2505-4008300	STEEL BEAM GUARDRAIL	LF	325	See Tab. 108-8A in the C Sheets for locations and details.
33	2505-4008410	STEEL BEAM GUARDRAIL BARRIER TRANSITION SECTION, BA-201	EACH	4	
34	2505-4021720	STEEL BEAM GUARDRAIL TANGENT END TERMINAL, BA-205	EACH	4	
35	2506-4984000	FLOWABLE MORTAR	CY	43.1	See Tab. 110-9 in the CD Sheets and Typical 4315 in the U Sheets for locations and details.
36	2510-6745850	REMOVAL OF PAVEMENT	SY	63,458.2	See Tab. 110-1 and Tab. 102-5 in the C Sheets for locations and details.
37	2515-2475095	DRIVEWAY, P.C. CONCRETE, 9.5 IN.	SY	1,235.2	See Tab. 102-3 in the C Sheets for locations and details.
38	2520-3350015	FIELD OFFICE	EACH	1	
39	2526-8285040	CONSTRUCTION SURVEY, LOCATION SURVEY	LS	1	

Item no.	Item Code	Item	Unit	Quantities	Estimate Reference Notes
				Estimated	
				Roadway Items	
40	2527-9263155	PRE-CUT SYMBOLS AND LEGENDS, PREFORMED THERMOPLASTIC MARKING MATERIAL	EACH	20	See Tab. 108-29 in the C Sheets for locations and details.
41	2527-9263181	PAVEMENT MARKINGS REMOVED	STA	997	See Tab. 108-22T and Tab. 108-22P in the C Sheets for locations and details.
42	2527-9263209	PAINTED PAVEMENT MARKINGS, WATERBORNE OR SOLVENT-BASED	STA	1,503.6	
43	2527-9263225	PERMANENT TAPE MARKINGS, PREFORMED THERMOPLASTIC MARKING MATERIAL	STA	165.1	See Tab. 108-22P in the C Sheets for locations and details.
44	2527-9263231	REMOVABLE TAPE MARKINGS, WET RETROREFLECTIVE	STA	282.4	See Tab. 108-22T and Tab. 108-22P in the C Sheets for locations and details.
45	2527-9270112	GROOVES CUT FOR PAVEMENT MARKINGS	STA	699	See Tab. 108-22P in the C Sheets for locations and details.
46	2527-9270120	GROOVES CUT FOR SYMBOLS AND LEGENDS	EACH	20	See Tab. 108-29 in the C Sheets for locations and details.
47	2528-2518000	SAFETY CLOSURE	EACH	27	See Tab. 108-13A in the C Sheets and the J Sheets for locations and details.
48	2528-8400048	TEMPORARY BARRIER RAIL, CONCRETE	LF	325	See Tab. 108-33M in the C Sheets and Detail TBR-1 in the B Sheets for locations and details.
49	2528-8400256	TEMPORARY TRAFFIC SIGNALS	EACH	1	See Tab. 108-28 in the C Sheets and the J Sheets for locations and details.
50	2528-8445110	TRAFFIC CONTROL	LS	1	
51	2528-8445113	FLAGGERS	EACH	1	
52	2528-8445115	PILOT CARS	EACH	1	
53	2533-4980005	MOBILIZATION	LS	1	
54	2548-0000250	DIAMOND GROUND SHOULDER RUMBLE STRIPS, PCC SURFACE	STA	40.5	See Tab. 112-10M in the C Sheets for locations and details.
55	2551-0000110	TEMP CRASH CUSHION	EACH	2	See Tab. 108-30 in the C Sheets for locations and details.

STANDARD ROAD PLANS

The following Standard Road Plans apply to construction work on this project.

Number	Date	Title
BA-200	04-15-25	Steel Beam Guardrail Components
BA-201	10-18-22	Steel Beam Guardrail Barrier Transition Section (MASH TI-3, 34" Mounting Height)
BA-202	10-20-26	Steel Beam Guardrail Bolted End Anchor
BA-205	10-27-23	Steel Beam Guardrail Tangent End Terminal (MASH TL-3)
BA-250	10-20-26	Steel Beam Guardrail Installation at Concrete Barrier or Bridge Rail End Section (MASH TL-3)
DR-121	04-18-23	Connected Pipe Joints
DR-122	10-18-16	Construction of "Type C" Concrete Adaptors for Pipe Culvert Connections
DR-141	04-18-17	Pipe Bends
DR-201	10-17-23	Concrete Aprons
DR-203	04-21-20	Metal Pipe Aprons and Beveled Ends
DR-621	04-18-17	Pipe Extension
DR-622	10-17-17	Pipe Extension Horizontal Bend One or Both Ends
EW-101	10-17-17	Embankment and Rebuilding Embankments
EW-102	10-20-25	Allowable Placement of Unsuitable Soil in Embankments
EW-301	10-20-26	Guardrail Grading
EW-501	10-17-23	Rural Entrances
MI-210	10-21-25	PCC Driveways and Alleys
PM-110	10-15-24	Line Types
PM-111	04-21-20	Symbols and Legends
PM-115	10-20-26	Grooving for Line Types
PM-116	04-16-24	Grooving for Symbols and Legends
PM-210	10-15-24	Separation in Two-Lane Roadway
PM-211	10-15-25	Separation in Four-Lane Roadway
PM-310	04-15-25	Entrance and Exit Ramps (Waterborne Pavement Markings)
PV-12	10-20-26	Shoulder Rumble Strips
PV-101	10-20-26	Joints
PV-102	10-21-25	PCC Curb Details
PV-121	10-21-25	Jointing PCC Pavement Widening
SI-211	10-18-22	Object Marker and Delineator Placement with Guardrail
SI-881	10-20-26	Special Signs for Workzones
TC-1	10-15-19	Work Not Affecting Traffic (Two-Lane or Multi-Lane)
TC-202	04-18-23	Work Within 15 ft of Traveled Way
TC-214	04-18-23	Lane Closure with Flaggers for Use with Pilot Car
TC-216	04-18-23	Lane Closure with Signals
TC-402	04-18-23	Work Within 15 ft of Traveled Way
TC-416	10-15-19	Partial Lane Closure on Ramps

INDEX OF TABULATIONS

Tabulation	Tabulation Title	Sheet No.
C Sheets		
100-24M	PCC PAVEMENT	C.7 - C.10
100-27	PROPOSED POSTED SPEED LIMIT	C.10
102-3	ACCESS POINTS AND SAFETY RAMPS	C.14
102-5	EXISTING PAVEMENT	C.5
105-4	STANDARD ROAD PLANS	C.4
108-8A	STEEL BEAM GUARDRAIL AT CONCRETE BARRIER OR BRIDGE RAIL END SECTION	C.16
108-13A	SAFETY CLOSURES	C.14
108-22T	TEMPORARY PAVEMENT MARKING LINE TYPES	C.17 - C.19
108-22P	PERMANENT PAVEMENT MARKING LINE TYPES	C.20 - C.22
108-28	TEMPORARY TRAFFIC SIGNALS	C.14
108-29	PAVEMENT MARKING SYMBOLS AND LEGENDS	C.23
110-1	REMOVAL OF PAVEMENT	C.6
110-7A	REMOVAL OF STEEL BEAM GUARDRAIL	C.6
111-25	INDEX OF TABULATIONS	C.4
112-9M	SHOULDERS	C.11 - C.13
112-10M	MILLED RUMBLE STRIPS	C.15

EXISTING PAVEMENT

No.	Location					Year	Type	Project Number	Surface		Base		Subbase		Removal		Coarse Aggregate			Reinforcement	Remarks
	County	Route	Dir. of Travel	Begin Ref. Loc. Sign	End Ref. Loc. Sign				Type	Depth IN	Type	Depth IN	Type	Depth IN	Type	Depth IN	Source	Type	Durability Class	Type	
	78	US-59	1	64.01	64.81	2021	M	MP-059-4(710)64--76-78													HMA patching
	78	US-59	1	64.01	64.81	2019	M	MP-059-4(709)58--76-78													PCC patching
	78	US-59	1	64.01	64.81	2017	M	MP-059-4(708)58--76-78	PCC	13											PCC Patching
	78	US-59	1	64.01	64.81	1997		STPN-59-3(26)--2J-78	AAC	1.5	AAC	1.5					CRESCENT	C.LST.			VL 50MM MIL/1.6M WIDEN
	78	US-59	1	64.01	64.81	1970		NA	BAC	3.5											
	78	US-59	1	64.01	64.81	1936		NA	PCC	7.5											
	78	US-59	1	64.81	66.07	2021	M	MP-059-4(710)64--76-78													HMA patching
	78	US-59	1	64.81	66.07	2017	M	MP-059-4(708)58--76-78	PCC	13											PCC Patching
	78	US-59	1	64.81	66.07	1997		STPN-59-3(26)--2J-78	AAC	1.5	AAC	1.5					CRESCENT	C.LST.			
	78	US-59	1	64.81	66.07	1983		EACIR-80-1(139)27	AAC	3							CRESCENT	C.LST.			
	78	US-59	1	64.81	66.07	1965		F-554(4)	PCC	10							LOGAN	C.LST.	1		
	78	US-59	2	64.81	66.07	2021	M	MP-059-4(710)64--76-78													HMA patching
	78	US-59	2	64.81	66.07	1997		STPN-59-3(26)--2J-78	AAC	1.5	AAC	1.5					CRESCENT	C.LST.			
	78	US-59	2	64.81	66.07	1965		F-554(4)	PCC	10							LOGAN	C.LST.	1		
	78	US-59	2	66.07	66.19	2021	M	MP-059-4(710)64--76-78													HMA patching
	78	US-59	2	66.07	66.19	1997		STPN-59-3(26)--2J-78	AAC	1.5	AAC	1.5					CRESCENT	C.LST.			
	78	US-59	2	66.07	66.19	1965		F-554(4)	PCC	10							LOGAN	C.LST.	1		
	83	US-59	1	66.07	69.73	2020	S	HSIPX-059-4(35)--3L-83	HMA	1	HMA	2	HMA	1	MIL	1					1" base interlayer
	83	US-59	1	66.07	69.73	2018	S	MP-059-4(709)66--76-83	HMA	0.5					MIL	0.5					
	83	US-59	1	66.07	69.73	1993		STP-59-4(24)--2C-83	AAC	2	BAC	2					CRESCENT	C.LST.			
	83	US-59	1	66.07	69.73	1970		F-59-4(24)--2C-83	AAC	1							LOGAN	C.LST.			
	83	US-59	1	66.07	69.73	1963		FN-207	AAC	2							SCHEMMER	C.LST.			
	83	US-59	1	66.07	69.73	1930		FA-207	PC7	7							MEADOW- NE.	GRAVEL	3		CL. V MIX

1 = non-divided or
divided, NB/EB
2 = divided only, SB/WB

REMOVAL OF PAVEMENT

Refer to Tabulation 102-5

* Not a Bid Item

Begin Station	End Station	Side	Pavement Type	Area SY	Saw Cut* LF	Remarks
STAGE 2A						
US 59						
471+35.75	476+36.00	SB	HMA/PCC	1816.9	663.9	US 59 SB, ENT7472L, EB to SB ln of Wood St W
484+00.00	493+24.05	SB	HMA/PCC	2439.3	48.0	US 59 SB
493+76.05	509+42.59	SB	HMA/PCC	4315.9	60.6	US 59 SB and shoulder, ENT2225L
509+01.85	509+42.59	MED	HMA/PCC	13.5	46.8	US 59 median
517+44.56	518+37.43	MED	HMA/PCC	206.4	33.6	US 59 median
517+44.56	524+62.44	SB	HMA/PCC	2599.7	415.1	US 59 SB, left median pavement
529+74.66	551+53.00	SB	HMA/PCC	6254.5	940.0	US 59 SB, right median pavement
Ramp B						
2652+69.84	2653+67.72	WB	HMA/PCC	568.5	40.0	Ramp B Terminal and shoulder (south side)
Ramp C						
3651+29.92	3653+44.02	EB	HMA/PCC	1258.9	35.8	Ramp C Terminal and shoulder (north side)
Marty						
4423+73.39	4424+13.41	EB	HMA/PCC	510.6	60.5	EB lane Marty and return
STAGE 2B						
US 59						
476+34.84	484+00.00	SB	HMA/PCC	2982.0	735.5	US 59 SB, SB to WB turn ln and Wood St W (WB)
493+23.66	493+75.93	SB	HMA/PCC	203.3	18.2	US 59 SB and median
493+37.66	493+60.89	SB	HMA/PCC	49.8	11.4	ENT2242L
508+27.17	508+78.25	MED	HMA/PCC	24.5	51.1	US 59 NB median shoulder
508+78.25	510+75.69	MED	HMA/PCC	381.7	187.6	US 59 NB median detour, Ramp B and C median crossings
508+86.42	511+54.38	SB	HMA/PCC	892.3	30.7	US 59 SB, median detour, Ramp B and C median crossings
515+24.62	517+44.56	SB	HMA/PCC	884.1	31.6	US 59 SB, median detour, NB to Ramp C median crossing
516+58.62	518+39.16	MED	HMA/PCC	376.4	184.5	US 59 NB median crossover, Ramp C and E median crossings
524+62.44	529+75.59	SB	HMA/PCC	1807.9	132.5	US 59 SB, median detour at Marty
524+76.35	529+76.07	MED	HMA/PCC	353.0	25.3	US 59 SB median detour at Marty, median at York
528+28.88	530+11.00	MED	HMA/PCC	594.0	292.9	US 59 NB median detour at Marty, median at York
Ramp B						
2649+20.00	2653+68.18	WB	HMA/PCC	465.2	249.0	Ramp B Terminal and shoulder (north side)
Ramp C						
3649+65.00	3653+41.46	EB	HMA/PCC	737.1	27.7	Ramp C Terminal and shoulder (south side)
Wood St West						
2474+20.00	2475+20.60	WB	HMA/PCC	57.0	142.8	Wood St West detour pavement
Marty						
4423+73.39	4424+13.41	WB	HMA/PCC	324.8	84.0	WB lane Marty and return
STAGE 4A						
US 59						
466+50.00	467+40.71	NB	HMA/PCC	42.0	93.1	US 59 NB detour pavement, outside shoulder
467+92.25	470+37.31	NB	HMA/PCC	349.9	258.4	US 59 NB detour pavement, outside shoulder
470+71.89	471+98.11	NB	HMA/PCC	259.4	154.6	US 59 NB detour pavement, outside shoulder
471+35.75	508+78.23	NB	HMA/PCC	12134.4	118.8	US 59 NB incl detour pvmt, Pershing, Wood E & Lavista
515+55.88	519+76.49	MED	HMA/PCC	268.3	90.9	US 59 NB median detour pavement
518+29.73	524+50.02	NB	HMA/PCC	1975.7	149.8	US 59 NB, including S half of ENT8524R
523+75.18	524+62.44	MED	HMA/PCC	240.6	123.6	US 59 NB median detour pavement
529+63.40	555+40.00	NB	HMA/PCC	7767.2	2053.5	US 59 NB, including N half of York, and detour pavement
530+12.35	530+32.94	MED	HMA/PCC	55.3	20.0	US 59 NB median detour pavement
Ramp D						
4653+74.26	4655+40.00	EB	HMA/PCC	936.6	180.1	Ramp D Terminal and shoulder (south side)
Ramp E						
5653+45.23	5655+00.00	WB	HMA/PCC	576.6	170.6	Ramp E Terminal and shoulder (north side)
Wood St West						
2474+25.00	2475+67.78	EB	HMA/PCC	89.4		Wood St West detour pavement
STAGE 4B						
US 59						
467+58.68	471+35.00	SB	HMA/PCC	296.2	373.8	US 59 SB detour pavement
508+78.23	509+62.46	MED	HMA/PCC	226.1	48.8	UA 59 NB median detour pavement
508+78.23	511+57.16	NB	HMA/PCC	945.6	110.1	US 59 NB pavement and partial shoulder
515+16.85	518+29.76	NB	HMA/PCC	951.2	30.3	US 59 NB pavement and partial shoulder
517+56.12	518+29.76	MED	HMA/PCC	203.3	97.9	UA 59 NB median detour pavement
524+50.21	529+67.82	NB	HMA/PCC	2702.3	110.1	US 59 NB pvmt, N half of ENT8524R, S half of York
524+62.26	529+08.12	MED	HMA/PCC	304.2	133.9	US 59 NB median detour pavement
544+14.41	566+35.00	SB	HMA/PCC	1289.5	1228.9	US 59 SB detour pavement outside shoulder

110-1
04-16-13

REMOVAL OF PAVEMENT

Refer to Tabulation 102-5

* Not a Bid Item

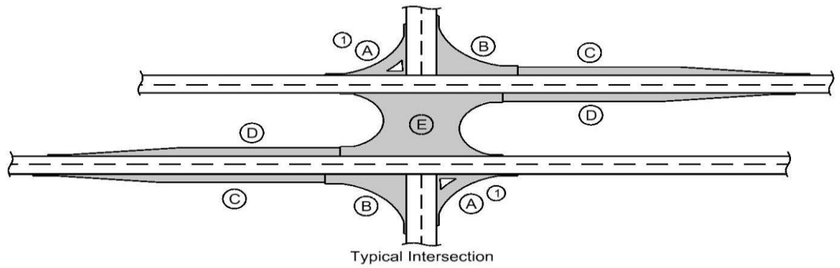
Begin Station	End Station	Side	Pavement Type	Area SY	Saw Cut* LF	Remarks
Ramp D						
4653+80.08	4655+40.00	EB	HMA/PCC	123.9	159.9	Ramp pavement (north side)
4653+86.46	4653+61.49	EB	HMA/PCC	609.0	188.2	Detour pavement
Ramp E						
5653+48.70	5655+00.00	WB	HMA/PCC	117.2	151.3	Ramp pavement (south side)
5653+50.77	5667+94.20	WB	HMA/PCC	630.8	294.2	Detour pavement
York						
5530+92.73	5532+56.49	EB	HMA/PCC	139.4	166.0	Detour pavement
5533+26.12	5533+95.59	EB	HMA/PCC	71.2	84.6	Detour pavement
5530+97.82	5531+62.17	WB	HMA/PCC	35.6	67.2	Detour pavement (remove at the end of Stage 4B)
	TOTALS:			**63458.2**	11207.7	

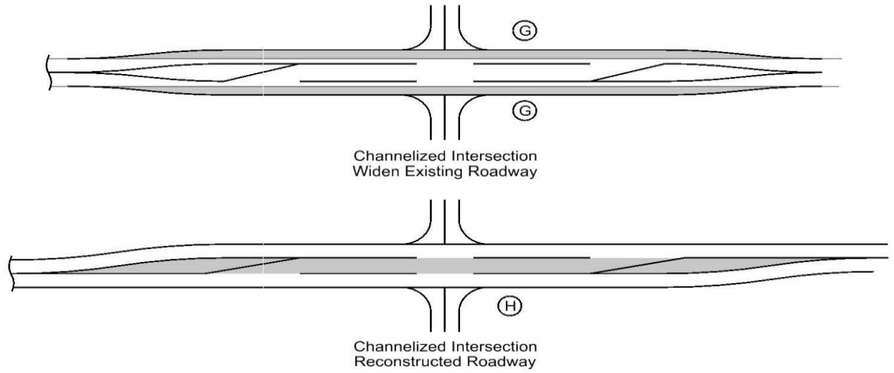
REMOVAL OF STEEL BEAM GUARDRAIL

(1) Lane(s) to which the installation is adjacent.
(2) Includes length of End Terminals and End Anchors.

Location					
No.	(1) Direction of Traffic	Station to Station		Side	Removal of Guardrail (2) LF
STAGE 2A:					
	SB	514+65.39	516+39.05	M	87.5
	SB	514+66.73	516+40.61	O	87.5
STAGE 4B:					
	NB	510+40.61	512+14.49	O	87.5
	NB	510+66.95	512+15.83	M	62.5
	TOTAL:				**325.0**
	Note:	Bolted end anchors to remain in place.			

PCC PAVEMENT





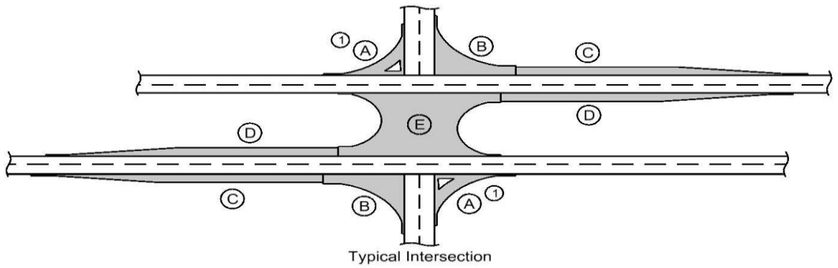
(1) Does not include raised island area or curb. Refer to tabulation 112-4 for quantities.

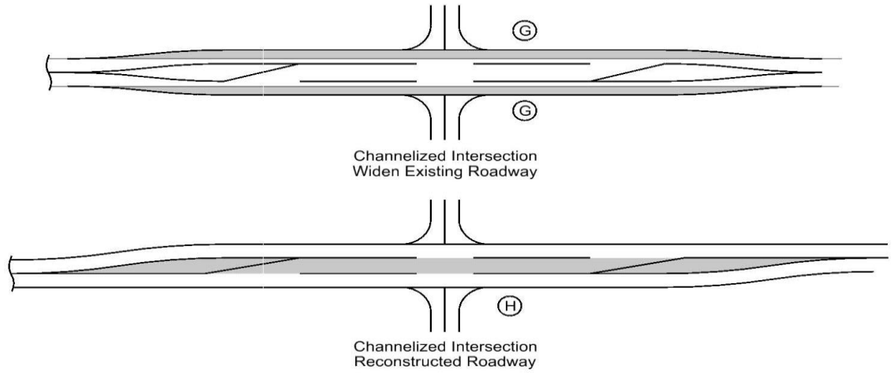
(2) Refer to PV-410, PV-411, PV-412, and PV-414.

(3) Quantity includes Pavement Header.

Location				Mainline			Area (3)								Total Area By Pavement Thickness		Special Backfill	Modified Subbase	Polymer Grid	Granular Subbase	Remarks
Road Identification	Direction of Travel	Station to Station		Width	Length	Area	A (1)	B	C	D	E	F (2)	G	H	SY						
				FT	FT	SY	SY	SY	SY	SY	SY	SY	SY	SY	DETOUR	9½ IN	CY	CY	SY	SY	
STAGE 1																					
Detour Pavement																					
US 59	NB	466+50.00	467+40.71		90.7										42.3		7.1				Outside Shoulder; See F Sheets
US 59	NB	467+90.00	470+37.06		247.1										352.0		58.7				Outside Shoulder; See F Sheets
US 59	NB	470+71.90	471+97.67		125.8										271.9		45.3				Outside Shoulder; See F Sheets
US 59	NB	472+20.64	476+06.95		386.3										942.8		157.1				Outside Shoulder; See F Sheets
US 59	NB	476+34.78	484+66.00		831.2										1418.3		234.7				Outside Shoulder; See F Sheets
US 59	BOTH	508+96.18	509+96.59		100.4										306.4		51.1				(1)
US 59	BOTH	517+02.01	518+09.54		107.5										375.5		62.6				(1)
US 59	BOTH	524+76.12	525+75.00		98.9										351.4		58.6				Temporary Median Crossover; See F Sheets
US 59	NB	542+10.00	555+40.00		1330.0										1949.5		324.9				Outside Shoulder; See F Sheets
Ramp B	EB	2649+20.00	2653+62.43		442.4										465.2		77.5				Inside Shoulder; See F Sheets
Ramp C	WB	3648+90.00	3653+39.07		449.1										433.0		72.2				Inside Shoulder; See F Sheets
Ramp D	EB	4653+82.63	4657+40.00		357.4										609.0		101.5				Inside Shoulder; See F Sheets
Ramp E	WB	5653+50.77	5658+40.00		489.2										630.8		105.1				Inside Shoulder; See F Sheets
Wood St W	WB	2474+20.00	2475+20.00		100.0										56.6		9.4				WB Shoulder; See F Sheets
York	EB	5530+89.87	5532+56.29		166.4										136.2		22.7				Right Shoulder; See F Sheets
York	EB	5533+26.12	5533+95.59		69.5										71.2		11.9				Right Shoulder; See F Sheets
STAGE 2A																					
Detour Pavement																					
US 59	SB	467+34.79	471+35.75		401.0										358.3		59.7				Outside Shoulder; see F Sheets
US 59	SB	475+25.00	476+34.84	1.0	109.8										12.2						(2)
US 59	SB	501+35.00	502+00.00		65.0										180.6		30.1				Median; see F Sheets
US 59	SB	506+70.00	508+27.00		157.0										370.4		61.7				Median; see F Sheets
US 59	SB	518+56.00	519+77.00		121.0										269.6		44.9				Median; see F Sheets
US 59	SB	523+75.00	524+62.44		87.4										242.8		40.5				Median; see F Sheets
US 59	SB	530+12.00	530+32.00		20.0										55.5		9.3				Median; see F Sheets
US 59	SB	544+14.37	556+35.00		1220.6										1287.3		214.5				Outside Shoulder; see F Sheets
Wood St W	EB	2474+25.00	2475+67.69		142.7										89.1		14.9				WB Shoulder; See F Sheets
Continued on Sheet C.8																					

PCC PAVEMENT

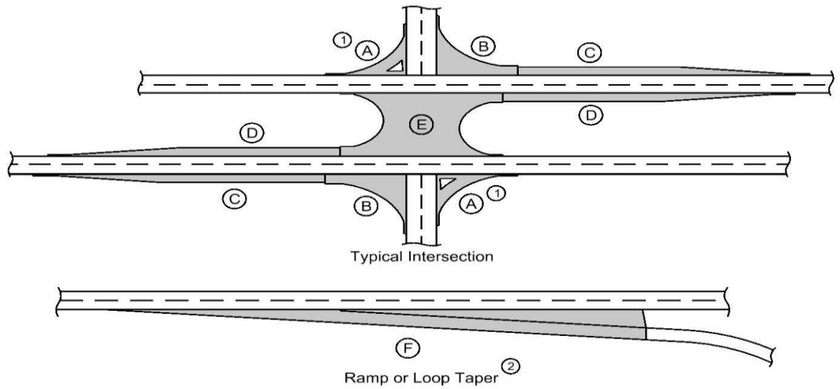


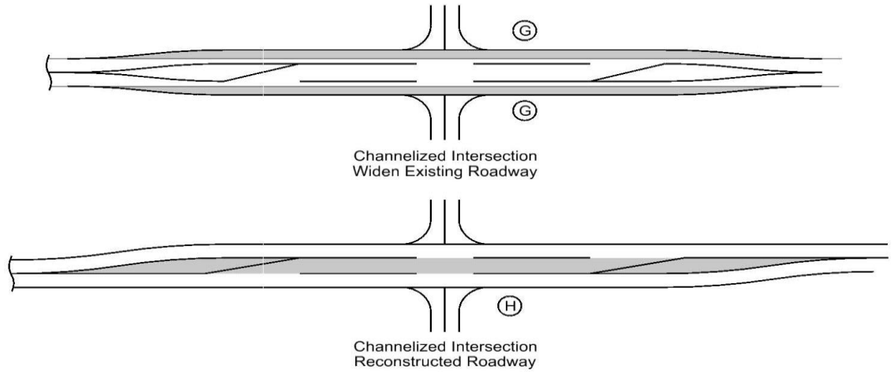


1. Does not include raised island area or curb. Refer to tabulation 112-4 for quantities.
2. Refer to PV-410, PV-411, PV-412, and PV-414.
3. Quantity includes Pavement Header.

Location				Mainline			Area (3)								Total Area By Pavement Thickness		Special Backfill	Modified Subbase	Polymer Grid	Granular Subbase	Remarks
Road Identification	Direction of Travel	Station to Station		Width	Length	Area	A (1)	B	C	D	E	F (2)	G	H	SY						
				FT	FT	SY	SY	SY	SY	SY	SY	SY	SY	SY	DETOUR	9½ IN	CY	CY	SY	SY	
Continued from Sheet C.7																					
Proposed Pavement																					
US 59	SB	471+35.75	476+34.84	12.0	499.1	665.5								207.6		873.1	145.5	145.5	873.1		
US 59	SB	484+00.00	493+23.77	24.0	923.8	2463.4								1424.6		3888.0	648.0	648.0	3888.0		
US 59	SB	493+76.04	508+50.00	24.0	1474.0	3930.6								3982.6		7913.2	1318.9	1318.9	7913.2		
US 59	SB	508+50.00	509+39.68	24.0	89.7	239.1										239.1	39.9	39.9	239.1		
US 59	SB	517+46.49	518+40.00	24.0	93.5	249.4										249.4	41.6	41.6	249.4		
US 59	SB	518+40.00	524+62.44	24.0	622.4	1659.8								1729.9		3389.8	565.0	565.0	3389.8		
US 59	SB	529+76.51	543+56.83	24.0	1380.3	3680.9								2743.7		6424.6	1070.8	1070.8	6424.6		
US 59	SB	543+56.83	550+52.45	12.0	695.6	927.5								645.2		1572.7	262.1	262.1	1572.7		
US 59	SB	550+52.45	551+53.00	12.0	100.6	134.1										134.1	22.3	22.3	134.1		
Ramp B	EB	2652+70.00	2653+67.72	8.0	97.7	86.9	271.8									358.6	59.6	59.6			Outside lane and return
Ramp C	WB	3651+30.00	3653+43.81	12.0	213.8	285.1		804.4								1089.4	181.3	181.3			Outside lane and return
Wood St W	EB	2474+90.00	2476+15.34	12.0	125.3	167.1	238.2									405.3	78.7	78.7			
Marty Dr	EB	4423+73.44	4424+13.41	24.0	40.0	106.6	403.8									510.4	95.2	95.2			Includes 76.0 LF of 6" standard curb; See L Sheets
STAGE 2B																					
Detour Pavement																					
US 59	NB	476+34.84	477+00.00	1.0	65.2										7.2						HMA fillet to fill saw cut gap for Stage 3 traffic
US 59	NB	508+78.23	509+58.23	25.0	80.0										242.1		40.4				Median; See F Sheets
US 59	NB	517+57.41	518+36.41	25.0	79.0										219.4		36.6				Median; See F Sheets
US 59	NB	524+62.44	525+50.36	25.0	87.9										244.2		40.7				Median; See F Sheets
US 59	NB	528+61.62	529+68.38	25.0	106.8										296.6		49.4				Median; See F Sheets
US 59	SB	545+75.00	551+53.00	1.0	578.0										64.2						HMA fillet to fill saw cut gap for Stage 3 traffic
Proposed Pavement																					
US 59	SB	476+34.84	477+15.84	12.0	81.0	108.0								73.0		181.0	30.2	30.2	181.0		
US 59	SB	477+15.84	479+35.19	12.0	219.4	292.5								252.4		544.8	90.8	90.8	544.8		
US 59	SB	477+15.84	480+20.18						334.6							334.6	72.7	72.7	334.6		
US 59	SB	479+35.19	484+00.00	24.0	464.8	1239.5								180.2		1419.7	236.6	236.6	1419.7		
US 59	SB	493+23.77	493+76.04	24.0	52.3	139.4								120.5		259.9	43.3	43.3	259.9		
US 59	SB	508+50.00	509+39.68		89.7									249.1		249.1	41.5	41.5	249.1		"H" Section only
US 59	SB	509+39.68	510+60.00	24.0	120.3	320.9								334.2		655.1	109.2	109.2	655.1		
US 59	SB	510+60.00	511+54.38	24.0	94.4	251.7										251.7	41.9	41.9	251.7		
		Bridge and Approaches																			
Continue on Sheet C.9																					

PCC PAVEMENT





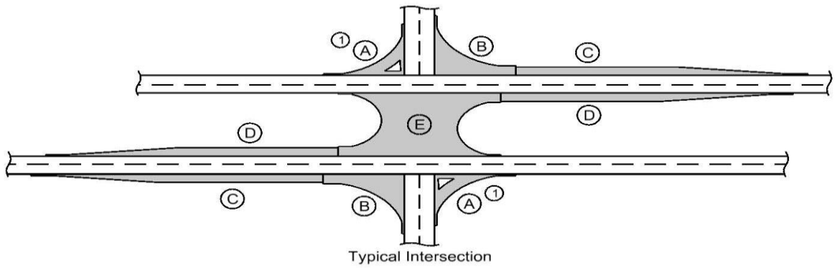
(1) Does not include raised island area or curb. Refer to tabulation 112-4 for quantities.

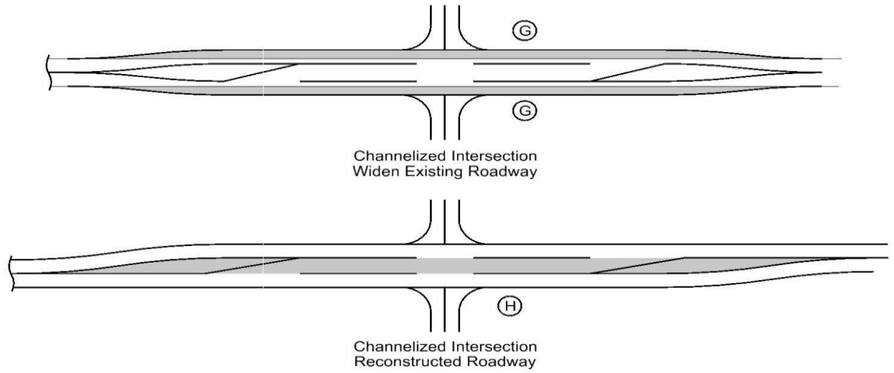
(2) Refer to PV-410, PV-411, PV-412, and PV-414.

(3) Quantity includes Pavement Header.

Location				Mainline			Area (3)								Total Area By Pavement Thickness		Special Backfill	Modified Subbase	Polymer Grid	Granular Subbase	Remarks
Road Identification	Direction of Travel	Station to Station		Width	Length	Area	A (1)	B	C	D	E	F (2)	G	H	SY						
				FT	FT	SY	SY	SY	SY	SY	SY	SY	SY	SY	DETOUR	9½ IN	CY	CY	SY	SY	
Continued from Sheet C.8																					
US 59	SB	515+24.62	516+60.00	24.0	135.4	361.0										361.0	60.2	60.2	361.0		
US 59	SB	516+60.00	517+46.49	24.0	86.5	230.6								240.3		470.9	78.5	78.5	470.9		
US 59	SB	517+46.49	518+40.00		93.5									259.7		259.7	43.3	43.3	259.7		"H" Section only
US 59	SB	524+62.44	529+76.51	24.0	514.1	1370.9								1428.1		2798.9	466.5	466.5	2798.9		
Ramp B	EB	2652+70.00	2653+67.72	10.0	97.7	108.6		42.2								150.8	26.5	26.5			Inside lane and return
Ramp C	WB	3651+30.00	3653+41.46	12.0	211.5	281.9	43.0									325.0	55.8	55.8			Inside lane and return
Wood St W	WB	2474+90.00	2476+15.34	12.0	125.3	167.1		278.0								445.1	82.8	82.8			
Marty Dr	WB	4423+73.44	4424+13.41	24.0	40.0	106.6		218.0								324.6	58.7	58.7			Includes 34.0 LF of 6" standard curb; See L Sheets
STAGE 4A																					
Detour Pavement																					
York	WB	5530+97.82	5531+62.17		64.4										35.6		5.9				Outside shoulder; see F Sheets
Proposed Pavement																					
US 59	NB	471+35.75	479+35.19	12.0	799.4	1065.9								533.0		1598.9	266.5	266.5	1598.9		
US 59	NB	479+35.19	508+78.23	24.0	2943.0	7848.1								5789.1		13637.2	2272.9	2272.9	13637.2		
US 59	NB	518+29.73	524+48.20	24.0	618.5	1649.3								1718.0		3367.2	561.2	561.2	3367.2		
US 59	NB	529+68.38	543+56.83	24.0	1388.5	3702.5								2830.9		6533.4	1088.9	1088.9	6533.4		
US 59	NB	543+56.83	550+52.45	12.0	695.6	927.5								293.5		1221.0	203.5	203.5	1221.0		
US 59	NB	550+52.45	551+53.00	12.0	100.6	134.1										134.1	22.3	22.3	134.1		
Ramp D	EB	4653+74.26	4655+40.00	16.0	165.7	397.2		413.2								810.3	117.1	117.1			Outside lane and return
Ramp E	WB	5653+45.23	5655+00.00	10.0	154.8	136.7	143.1									279.8	52.3	52.3			Outside lane and return
Pershing St	BOTH	1472+23.63	1472+55.00	18.0	31.4	62.7	37.9	39.5								140.1	28.1	28.1			
Wood St E	BOTH	2476+42.27	2476+95.00	18.0	52.7	105.5	84.1	80.6								270.1	53.5	53.5			
N Lavista	BOTH	3502+15.91	3502+42.00	48.0	26.1	139.1	30.4	30.4								200.0	37.2	37.2			
York	WB	5530+17.39	5531+45.00	26.0	127.6	368.7	390.1									758.8	137.5	137.5			
Continue on Sheet C.10																					

PCC PAVEMENT





(1) Does not include raised island area or curb. Refer to tabulation 112-4 for quantities.

(2) Refer to PV-410, PV-411, PV-412, and PV-414.

(3) Quantity includes Pavement Header.

Location			Mainline			Area (3)								Total Area By Pavement Thickness		Special Backfill	Modified Subbase	Polymer Grid	Granular Subbase	Remarks
Road Identification	Direction of Travel	Station to Station	Width	Length	Area	A (1)	B	C	D	E	F (2)	G	H	SY						
			FT	FT	SY	SY	SY	SY	SY	SY	SY	SY	SY	DETOUR	9½ IN	CY	CY	SY	SY	
Continued from Sheet C.9																				
STAGE 4B																				
Proposed Pavement																				
US 59	NB	508+78.23	510+60.00	24.0	181.8	484.7							504.9		989.6	164.9	164.9	989.6		
US 59	NB	510+60.00	511+57.16	24.0	97.2	259.1									259.1	43.2	43.2	259.1		
US 59	NB	515+16.85	516+60.00	24.0	143.2	381.7									381.7	63.6	63.6	381.7		
US 59	NB	516+60.00	518+29.73	24.0	169.7	452.6							471.4		924.0	154.0	154.0	924.0		
US 59	NB	524+48.20	529+68.38	24.0	520.2	1387.1							1438.1		2825.2	470.9	470.9	2825.2		
Ramp D	EB	4653+80.08	4655+40.00	8.0	159.9	142.2	53.6								195.8	34.5	34.5			Inside lane and return
Ramp E	WB	5653+48.74	5655+00.00	8.0	151.3	134.5		50.9							185.4	30.6	30.6			Inside lane and return
York	EB	5530+17.39	5531+45.00	26.0	127.6	368.7		397.5							766.2	138.2	138.2			
TOTALS:														**12387.4**	**71557.7**	**14057.1**	**12008.2**	**64341.9**		

NOTES:
(1) Temporary Median Crossover; See F Sheets. Use M-Mix Calcium Flouride
(2) HMA fillet to fill saw cut gap for Stage 2B and Stage 3 traffic

PROPOSED POSTED SPEED LIMIT

Road Identification	Begin Station	End Station	Proposed Posted Speed Limit			Remarks
			35 or less	40 - 45	over 45	
US 59	471+35.75	474+82.50	X			Approximate Stations from Google Earth
US 59	474+82.50	495+43.50		X		Approximate Stations from Google Earth
US 59	495+43.50	551+53.02			X	Approximate Stations from Google Earth

SHOULDERS

(1) Lane(s) to which the shoulder is adjacent.
(2) See Typ. 7156, 7157, or 7158.
(3) Bid Item.
(4) Applies only for Paved Shoulders constructed on project with existing granular shoulders.
(5) Bid Item. Typ. 7156, 7157, or 7158.
(6) Does not include shrink.

Calculations assume a HMA unit weight (lbs/cf) of 0, a Special Backfill unit weight (lbs/cf) of 140, and a Granular Shoulder unit weight (lbs/cf) of 140.

Location					Quantities																			
Road Identification	Direction Of Traffic (1)	Station to Station		Side	P Width FT	P_{SG} Width FT (2)	G Width FT	L Length FT	Class 13 Excavation (4) CY (3)	9.5" Paved Shoulder SY (3)	9.5" Paved Shoulder at Guardrail SY (5)	Polymer Grid SY (3)	Special Backfill HMA Alternate CY (3)	Special Backfill HMA Alternate CY/STA	Special Backfill PCC Alternate CY (3)	Special Backfill PCC Alternate CY/STA	Modified Subbase CY (3)	Granular Shoulder TON (3)	Granular Shoulder TON/STA	Earth Shoulder Finishing STA (3)	Earth Shoulder Finishing HMA CY (6)	Earth Shoulder Finishing PCC CY (6)	Earth Shoulder Construction Alternates STA (3)	Earth Shoulder Construction Alternates HMA CY (6)	Earth Shoulder Construction Alternates PCC CY (6)	Remarks
STAGE 1																									
Detour Shoulder																									
US 59	NB	466+50.00	467+40.71	RT				90.7															0.9		7.8	(1)
US 59	NB	467+90.00	470+37.31	RT				247.3															2.5		21.3	(1)
US 59	NB	470+71.89	471+98.11	RT				126.2															1.3		10.8	(1)
US 59	NB	472+20.64	476+06.95	RT				386.3															3.9		33.2	(1)
US 59	NB	476+34.78	484+66.00	RT				831.2															8.3		71.4	(1)
US 59	NB	524+76.09	525+75.00	RT				39.4															0.4		3.4	(1)
US 59	NB	542+10.47	555+37.64	RT				1327.2															13.3		114.0	(1)
Ramp B	EB	2650+95.00	2653+62.99	IN				268.0															2.7		23.0	(1)
Ramp C	WB	3649+64.99	3653+34.85	IN				369.9															3.7		31.8	(1)
Ramp D	EB	4653+86.47	4656+93.07	IN				306.6															3.1		26.3	(1)
Ramp E	WB	5653+53.87	5657+94.18	IN				440.3															4.4		37.8	(1)
Wood St W	WB	2474+20.00	2475+20.60	RT				100.6															1.0		8.6	(1)
York	EB	5530+89.87	5532+56.29	RT				166.4															1.7		14.3	(1)
York	EB	5533+26.12	5533+95.59	RT				69.5															0.7		6.0	(1)
STAGE 2A																									
Detour Shoulder																									
US 59	SB	467+34.79	471+35.75	LT				401.0															4.0		34.5	(1)
US 59	SB	501+35.00	502+00.00	MED				50.0															0.5		4.3	(1)
US 59	SB	506+70.00	508+27.00	MED				80.0															0.8		6.9	(1)
US 59	SB	518+56.00	519+77.00	MED				80.0															0.8		6.9	(1)
US 59	SB	523+75.00	524+62.44	LT				25.0															0.3		2.1	(1)
US 59	SB	530+12.00	530+32.00	LT				25.0															0.3		2.1	(1)
US 59	SB	544+14.37	556+32.54	LT				1218.2															12.2		104.7	(1)
Wood St W	EB	2474+25.00	2475+67.69	RT				142.7															1.4		12.3	(1)
Proposed Shoulder																									
US 59	SB	471+35.75	471+49.82	LT	10.0			14.1		15.6		15.6			3.6		3.5						0.1		1.0	
		Entrance																								
US 59	SB	472+93.80	475+04.92	LT	10.0			211.1		234.6		234.6			53.9		51.8						2.1		15.4	
		Wood St W & Stage 2B Paving																								
US 59	SB	484+00.00	493+23.66	LT	10.0			923.7		1026.3		1026.3			235.7		226.8						9.2		67.4	
		Entrance																								
US 59	SB	493+75.93	501+41.13	LT	10.0			765.2		850.2		850.2			195.3		187.9						7.7		55.8	
		Entrance																								
US 59	SB	501+93.13	507+19.69	LT	10.0			526.6		585.1		585.1			134.4		129.3						5.3		38.4	
US 59	SB	507+19.69	508+19.69	LT	6 to 10			100.0		88.9		88.9			21.8		20.9						1.0		7.3	
US 59	SB	508+19.69	508+72.92	LT	10.0			53.2		59.1		59.1			13.6		13.1						0.5		3.9	
		Ramp B & Stage 2B Paving																								
US 59	SB	518+76.29	519+28.02	LT	4.0			51.7		23.0		23.0			7.5		7.0						0.5		3.8	
US 59	SB	519+28.02	522+32.23	LT	10.0			304.2		338.0		338.0			77.6		74.7						3.0		22.2	
		Marty Dr & Stage 2B Paving																								
US 59	SB	529+76.51	551+53.00	LT	10.0			2176.5		2418.3		2418.3			555.5		534.4						21.8		158.8	
Ramp B	EB	2652+70.00	2652+80.62	OUT	10.0			10.6		11.8					2.7		2.6						0.1		3.6	
Ramp B	EB	2652+80.62	2653+00.52	OUT	8 to 10			19.9		19.9					4.7		4.5						0.2		6.7	
Ramp B	EB	2653+00.52	2653+77.51	OUT	10.0			109.9		122.1					28.0		27.0						1.1		37.2	
Ramp C	WB	3651+30.00	3651+55.82	OUT	4.0			25.8		11.5					3.7		3.5						0.3		1.0	
Ramp C	WB	3651+55.82	3651+86.08	OUT	2 to 4			30.3		10.1					3.8		3.5						0.3		1.2	
Ramp C	WB	3651+86.08	3653+56.06	OUT	4.0			232.7		103.4					33.5		31.3						2.3		9.2	
Wood St W	EB	2474+90.00	2476+15.34	RT				204.9															2.0		65.9	(2)
Marty Dr	EB	4423+73.45	4423+99.45	RT				75.4												0.8		9.1				(3)
Marty Dr	EB	4423+99.45	4424+07.16	RT				184.4															1.8		34.5	(2)

Continued on Sheet C.12

SHOULDERS

(1) Lane(s) to which the shoulder is adjacent.
(2) See Typ. 7156, 7157, or 7158.
(3) Bid Item.
(4) Applies only for Paved Shoulders constructed on project with existing granular shoulders.
(5) Bid Item. Typ. 7156, 7157, or 7158.
(6) Does not include shrink.

Calculations assume a HMA unit weight (lbs/cf) of 0, a Special Backfill unit weight (lbs/cf) of 140, and a Granular Shoulder unit weight (lbs/cf) of 140.

Location				Quantities																			
Road Identification	Direction Of Traffic (1)	Station to Station		Side	P Width	P_{SG} Width	G Width	L Length	Class 13 Excavation (4)	9.5" Paved Shoulder	9.5" Paved Shoulder at Guardrail	Polymer Grid	Special Backfill				Modified Subbase	Granular Shoulder		Earth Shoulder Finishing			Earth Shoulder Construction Alternates			Remarks
													HMA Alternate		PCC Alternate					STA (3)	HMA	PCC	STA (3)	HMA	PCC	
					FT	FT (2)	FT	FT	CY (3)	SY (3)	SY (5)	SY (3)	CY (3)	CY/STA	CY (3)	CY/STA	CY (3)	TON (3)	TON/STA		CY (6)	CY (6)		CY (6)	CY (6)	
Continued from Sheet C.11																										
STAGE 2B																										
Detour Shoulder																										
US 59	NB	508+78.23	509+62.23	MED				50.0															0.5		4.3	(1)
US 59	NB	517+57.41	518+36.41	MED				50.0															0.5		4.3	(1)
US 59	NB	524+62.44	525+50.36	MED				25.0															0.3		2.1	(1)
US 59	NB	528+61.62	529+68.38	MED				50.0															0.5		4.3	(1)
Proposed Shoulder																										
US 59	SB	476+89.60	477+15.84	LT	0 to 6			26.2		8.7		8.7			2.4		2.2						0.3		1.9	
US 59	SB	477+15.84	480+20.18	LT	6.0			304.3		202.9		202.9			55.1		52.2						3.0		22.2	
US 59	SB	480+20.18	484+00.00	LT	10.0			379.8		422.0		422.0			96.9		93.3						3.8		27.7	
		Stage 2A Paving																								
US 59	SB	509+83.15	509+97.85	OUT			0 to 6	14.7										4.6	31.2				0.1		2.1	(4)
US 59	SB	509+97.85	511+54.38	OUT	4.0		6.0	156.5		69.6		69.6			22.6		21.0	97.5	62.3				1.6		11.4	
US 59	SB	510+60.00	511+54.38	IN	4.0			94.4		41.9		41.9			13.6		12.7						0.9		6.9	
		Bridge and Approaches																								
US 59	SB	515+24.62	515+93.09	OUT			5.7	68.5			32.7	32.7			10.2		9.6	40.1	58.5				0.7		9.6	
US 59	SB	515+93.09	516+40.61	OUT			5.7 to 3.8	47.5			27.7	27.7			7.9		7.5	22.2	46.6				0.5		6.7	
US 59	SB	516+40.61	516+60.00	OUT			3.8	19.4			13.4	13.4			3.6		3.1	6.7	34.7				0.2		2.7	
US 59	SB	516+60.00	516+84.95	OUT	6.2		3.8	24.9		17.2		17.2			4.6		4.4	8.7	34.7				0.2		3.5	
US 59	SB	516+84.95	516+94.15	OUT			3.9	9.2										2.0	21.6				0.1		0.7	(4)
US 59	SB	516+94.15	516+99.67	OUT			3.9 to 0	5.5										0.7	13.3				0.1		0.4	(4)
US 59	SB	515+24.62	515+91.24	IN				66.6			31.8	31.8			10.0		9.3						0.7		2.6	
US 59	SB	515+91.49	516+39.27	IN				47.8			27.9	27.9			8.0		7.5						0.5		1.9	
US 59	SB	516+39.27	516+60.00	IN				20.7			14.3	14.3			3.8		3.6						0.2		0.8	
		Stage 2A Paving																								
US 59	SB	525+77.60	529+76.51	LT	10.0			398.9		443.2		443.2			101.8		98.0						4.0		29.1	
Ramp B	EB	2649+20.00	2652+70.00	IN			4.0	350.0										49.0	14.0				3.5		5.5	
Ramp B	EB	2652+70.00	2653+32.98	IN	4.0			63.0		28.0					9.1		8.5						0.6		2.5	
Ramp C	WB	3648+90.00	3651+30.00	IN			4.0	240.0										33.6	14.0				2.4		3.8	
Ramp C	WB	3651+30.00	3653+08.35	IN	4.0			178.3		79.3					25.7		24.0						1.8		7.1	
Wood St W	WB	2474+90.00	2745+98.46	LT				122.1															1.2		13.4	(2)
Marty Dr	WB	4423+73.45	4423+98.97	LT				34.0												0.3		5.8				(3)
Marty Dr	WB	4423+98.97	4424+17.47	LT				52.1															0.5		22.5	(2)
STAGE 4A																										
Detour shoulder																										
York	WB	5530+97.82	5531+62.17	LT				64.4															0.6		5.5	(1)
Proposed Shoulder																										
US 59	NB	471+35.75	471+71.36	RT	10.0			35.6		39.6		39.6			9.1		8.7						0.4		2.6	
		Pershing																								
US 59	NB	472+49.36	475+65.54	RT	10.0			316.2		351.3		351.3			80.7		77.6						3.2		23.1	
		Wood St E																								
US 59	NB	476+82.54	507+21.15	RT	10.0			3038.6		3376.2		3376.2			775.5		746.1						30.4		221.7	
US 59	NB	507+21.15	507+60.95	RT	6.0			39.8		26.5		26.5			7.2		6.8						0.4		2.9	
US 59	NB	507+60.95	507+69.28	RT	6 to 4			8.3		4.6		4.6			1.4		1.3						0.1		0.6	
		Ramp D and Stage 4B Paving																								
US 59	NB	519+00.76	519+22.11	RT	10 to 8			21.3		21.3		21.3			5.1		4.6						0.2		1.6	
US 59	NB	519+22.11	523+66.85	RT	10.0			444.7		494.2		494.2			113.5		109.2						4.4		32.4	
		Entrance and Stage 4B Paving																								
US 59	NB	531+15.52	551+53.00	RT	10.0			2037.5		2263.9		2263.9			520.0		500.3						20.4		148.7	
US 59	NB	551+53.00	555+40.00	RT	4.0		6.0	387.0		172.0		172.0						81.3	21.0				3.9		28.2	
Continued on Sheet C.13																										

SHOULDERS

(1) Lane(s) to which the shoulder is adjacent.
(2) See Typ. 7156, 7157, or 7158.
(3) Bid Item.
(4) Applies only for Paved Shoulders constructed on project with existing granular shoulders.
(5) Bid Item. Typ. 7156, 7157, or 7158.
(6) Does not include shrink.

Calculations assume a HMA unit weight (lbs/cf) of 0, a Special Backfill unit weight (lbs/cf) of 140, and a Granular Shoulder unit weight (lbs/cf) of 140.

Location					Quantities																			
Road Identification	Direction (1) Of Traffic	Station to Station		Side	P Width	P_{SG} Width	G Width	L Length	Class 13 (4) Excavation	9.5" Paved Shoulder	9.5" Paved Shoulder at Guardrail	Polymer Grid	Special Backfill				Modified Subbase	Granular Shoulder		Earth Shoulder Finishing			Earth Shoulder Construction Alternates			Remarks
													HMA Alternate		PCC Alternate					STA (3)	HMA	PCC	STA (3)	HMA	PCC	
					FT	FT (2)	FT	FT	CY (3)	SY (3)	SY (5)	SY (3)	CY (3)	CY/STA	CY (3)	CY/STA	CY (3)	TON (3)	TON/STA		CY (6)	CY (6)		CY (6)	CY (6)	
Continued from Sheet C.12																									
Ramp D	EB	4653+61.49	4654+86.10	OUT	4.0			163.1		72.5					23.5		21.9						1.6		55.3	
Ramp D	EB	4654+86.10	4655+14.32	OUT	4 to 2			28.2		9.4					3.5		3.3						0.3		9.6	
Ramp D	EB	4655+14.32	4655+40.00	OUT	4.0			25.7		11.4					3.7		3.5						0.3		8.7	
Ramp E	WB	5653+32.53	5654+05.69	OUT	10.0			99.3		110.3					25.3		24.4						1.0		15.2	
Ramp E	WB	5654+05.69	5654+27.04	OUT	10 to 8			21.4		21.4					5.1		4.8						0.2		3.3	
Ramp E	WB	5654+27.04	5655+00.00	OUT	10.0			73.0		81.1					18.6		17.9						0.7		11.1	
Wood St E	EB	2476+42.27	2476+95.00	RT				79.2															0.8		10.6	(2)
Wood St E	WB	2476+42.27	2476+95.00	LT				79.0															0.8		23.1	(2)
Lavista	EB	3502+15.91	3502+42.00	RT				37.2															0.4		22.6	(2)
Lavista	WB	3502+15.91	3502+42.00	LT				37.2															0.4		12.3	(2)
York Rd	WB	5530+17.39	5531+45.00	LT				198.2															2.0		90.7	(2)
Stage 4B																										
Proposed Shoulder																										
US 59	NB	509+07.75	509+13.11	OUT			0 to 3.8	5.4															0.1		0.8	(4)
US 59	NB	509+13.11	509+22.45	OUT			3.8	9.3															0.1		1.3	(4)
US 59	NB	509+22.45	510+20.61	OUT	6.2		3.8	98.2		67.6		67.6			18.1		17.2	34.1	34.7				1.0		13.8	
US 59	NB	510+20.61	510+40.61	OUT			3.8	20.0			13.8	13.8			3.7		3.5	6.9	34.7				0.2		2.8	
US 59	NB	510+40.61	510+88.39	OUT			3.8 to 5.7	47.8			27.9	27.9			8.0		7.5	22.3	46.6				0.5		6.7	
US 59	NB	510+88.39	511+57.16	OUT			5.7	68.8			32.9	32.9			10.3		9.6	40.3	58.5				0.7		9.7	
US 59	NB	510+60.00	510+67.00	IN				7.0			4.9	4.9			1.3		1.2						0.1		0.3	
US 59	NB	510+67.00	511+14.91	IN				47.9			28.2	28.2			8.1		7.6						0.5		1.9	
US 59	NB	511+14.91	511+57.16	IN				42.3			20.2	20.2			6.3		5.9						0.4		1.7	
		Bridge and Approaches																								
US 59	NB	515+16.85	517+86.11	OUT	4.0		6.0	269.3		119.7		119.7			38.8		36.2	167.8	62.3				2.7		37.9	
US 59	NB	517+86.11	518+00.81	OUT			6 to 0	14.7							0.0			9.2	62.3				0.1		2.1	(4)
US 59	NB	515+16.85	516+60.00	IN	4.0			143.2		63.6		63.6			20.6		19.2						1.4		5.7	
		Stage 4A Paving																								
US 59	NB	525+47.51	528+18.56	RT	10.0			271.0		301.2		301.2			69.2		66.6						2.7		19.8	
US 59	SB	551+53.00	556+35.00	RT	4.0		6.0	482.0		214.2		214.2			69.5		64.8	101.2	21.0				4.8		35.2	
Ramp D	EB	4654+18.70	4655+40.00	IN	4.0			121.3		53.9					17.5		16.3						1.2		41.1	
Ramp D	EB	4655+40.00	4657+60.00	IN			4.0	220.0										30.8	14.0				2.2		3.5	
Ramp E	WB	5653+86.62	5655+00.00	IN	4.0			113.4		50.4					16.3		15.2						1.1		38.4	
Ramp E	WB	5655+00.00	5658+40.00	IN			4.0	340.0										47.6	14.0				3.4		5.4	
York Rd	EB	5530+17.39	5531+45.00	RT				194.1															1.9		46.9	(2)
TOTALS:										**15157.1**	**275.6**	**14636.3**			**3630.7**		**3480.1**	**806.4**		**1.1**		15.0	**253.5**		2321.7	

NOTES:
(1) Earth Shoulder Construction only on detour pavement.
(2) Earth Shoulder Construction only on Side Road.
(3) Earth Shoulder Finishing only behind curb on side road.
(4) Subbase included with ramp return in Tab 100-24M.

102-3
10-16-18

ACCESS POINTS AND SAFETY RAMPS

Refer to Cross-Sections

Length of Unclassified Pipe calculated is based on using Corrugated Metal Pipe.
(1) Refer to MI-210
(2) Refer to EW-501.
(3) Refer to EW-501 or EW-502.
*Predetermined for access point not constructed with this project.

Location		Type	Length of Opening (1)			(1)(2)		(2)	Pipe Culvert (3)					Aprons	Driveway Surface Area		Driveway Surfacing Material	Remarks
Station	Side	A, B, C, Safety Ramp, or Predetermined*	Case	1½" Dropped Curb	3" Dropped Curb	W	PR	SR	H	Size	Pipe Length	Lt.	Rt.		HMA	PCC		
			1 or 2	LF	LF	FT	FT	FT	FT	IN	LF	LF	LF	No.	SY	SY	TON	
STAGE 1																		
Wood St (W)																		
2471+87.42	RT					24.0		30.0									22.7	Temp ent at existing gate
STAGE 2A																		
472+22.00	LT	C	(1)			24.0	60.0									348.6		ENT7472L
501+67.00	LT	C	(1)			12.0	20.0									106.2		ENT2225L
529+76.51	LT	C	(1)			14.8		20.0									12.7	ENT1034L
STAGE 2B																		
493+49.36	LT	C	(1)			12.0	20.0									106.6		ENT2242L
STAGE 4A																		
524+45.62	RT	C	(1)			32.2	57.0									306.5		(1) ENT8524R (south side)
STAGE 4B																		
524+45.62	RT	C	(1)			26.9	66.0									367.2		(2) ENT8524R (north side)
553+75.00	LT	C	(1)			24.0		35.0									22.7	ENT553L
TOTALS:																**1235.2**	**58.1**	

NOTE:
(1) Includes 25.0 LF of 6" standard curbed shoulder.
(2) Includes 24.7 LF of 6" standard curbed shoulder.

108-13A
08-01-08

SAFETY CLOSURES

Refer to Section 2518 of the Standard Specifications

Station	Closure Type		Remarks
	Road Qty.	Hazard Qty.	
Stage 2A			
470+54.66	1		Entrance
472+10.68	1		Pershing St
476+23.39	1		E Wood St
493+28.19	1		ENT2242L, SB US 59
493+72.26	1		ENT2242L, SB US 59
501+67.89	1		N Lavista Rd Detour
510+59.98	1		Between ramps
516+59.97	1		Between ramps
529+09.96	1		ENT1034L, SB US 59
Stage 2B			
493+48.91	1		ENT2242L, Median
501+33.29	1		ENT2225, SB US 59
502+08.11	1		ENT2225, SB US 59
507+11.69	1		Median Detour, SB US 59
519+47.70	1		Median Detour, SB US 59
523+34.41	1		Marty Dr, SB US 59
529+82.35	1		ENT1034L, SB US 59
Stage 4A			
471+26.61	1		Pershing St, NB US 59
501+68.94	1		ENT2225/N Lavista Median
510+47.89	1		Between Ramps
516+57.07	1		Between Ramps
525+34.90	1		ENT8524R, NB US 59
528+25.09	1		York Rd, NB US 59
551+62.45	1		NB US 59
Stage 4B			
506+99.32	1		NB US 59
519+61.37	1		NB US 59
522+81.23	1		NB US 59
531+35.39	1		NB US 59
TOTAL:	**27**		

108-28
08-01-08

TEMPORARY TRAFFIC SIGNALS

No.	Location Station	Type			Remarks
		One Lane Traffic	Haul Road	Intersection	
	STAGE 2A				
1.1	475+18.25			X	US 59 NB/Wood
1.2	477+62.00			X	US 59 SB/Wood
1.3	2474+65.00	X		X	Wood W/US 59
	STAGE 2B				
2.1	475+47.50			X	US 59 SB/Wood
2.2	476+17.50			X	US 59 NB/Wood
2.3	2474+45.00	X			Wood W/US 59
	STAGE 4A				
3.1	469+85.75	X			US 59/E Wilson
3.2	477+48.25			X	US 59 SB/Wood
3.3	2479+36.00			X	Wood WB/US 59
	TOTAL:		**1**		

Note: All stationing is approximate. Adjust location of signal heads as field conditions warrant. See J and JU sheets for details and signal timing.

112-10M
Modified

MILLED RUMBLE STRIPS

See PV-12 and PV-13

* Calculated at 18" width for Shoulder.

Location									Fog Seal* (Milled Rumble Strip)	Effective Shoulder Width			Remarks
Road Identification	Station to Station		Shoulder Pavement Type	Rumble Strip Lane (Centerline, Rt or Lt Shoulder)	Rumble Strip Type (Milled, Diamond Ground or Diamond Sinusoidal)	(L)	Installation Length PCC	Installation Length HMA	Shoulder	PCC Paved	HMA Paved	Granular\ Earth	
						IN	STA	STA	GAL	FT	FT	FT	
STAGE 4B													
US 59	531+25.00	551+50.00	PCC	Right Shoulder	Diamond Ground	12"	20.3			10.0			
US 59	531+25.00	551+50.00	PCC	Left Shoulder	Diamond Ground	12"	20.3			10.0			
	TOTAL:						**40.5**						

STEEL BEAM GUARDRAIL AT CONCRETE BARRIER OR BRIDGE RAIL END SECTION

Possible Standards: BA-200, BA-201, BA-202, BA-205, BA-206, BA-210, BA-211, BA-221, BA-225, BA-250, BA-260, LS-625, LS-626, LS-630, LS-635, SI-172, SI-173 and SI-211.

(1) Lane(s) to which the obstacle is adjacent.
(2) Not a bid item. Incidental to guardrail installation.

Location					Layout Lengths				Long-Span System		Delineators and Object Markers (2)					Bid Items											
		Side			BA-250, BA-260, LS-630, or LS-635														BA-250 or LS-630					BA-260 or LS-635		
No.	Direction of Traffic (1)	O = Outside M = Median	Station	Offset	VT1	VF	VT2	ET	BA-211 STATION	BA-211 TYPE	SI-211	Delineator SI-172 Type 1	Object Marker SI-173 Type 2	Object Marker SI-173 Type 3		Bolted End Anchor		Post Adapter	Steel Beam Guardrail	Barrier Transition Section	End Terminal			Barrier Transition Section	End Terminal	Remarks
																					Tangent	Flared	Tangent	Flared			Tangent	
				FT	LF	LF	LF	LF	STATION	TYPE	TYPE	White EACH	OM2-2 EACH	OM3-L EACH	OM3-R EACH	BA-202 TYPE	BA-202 EACH	BA-210 EACH	BA-200 LF	BA-201 EACH	BA-205 EACH	BA-206 EACH	LS-625 EACH	LS-626 EACH	BA-221 EACH	BA-225 EACH	
STAGE 2B																											
1	SB	M	514+65.39	22.0	128.125			47.7			2		6	1					87.5	1	1					(1),(2)
2	SB	O	514+66.73	51.9	128.125			47.7			2		6		1				87.5	1	1					(1),(3)
STAGE 4B																											
3	NB	O	512+14.49	52.0	128.125			47.7			2		6		1				87.5	1	1					(1),(4)
4	NB	M	512+15.83	22.1	53.125		50.00	47.7			2		5	1					62.5	1	1					(1),(5)
TOTALS:													23	2	2				**325.0**	**4**	**4**					

Notes:

(1) Bolted End Anchor to remain in place.
(2) STA 514+65.39 (ML059) = STA 7514+61.51 (SURML059SB)
(3) STA 514+66.73 (ML059) = STA 7514+62.85 (SURML059SB)
(4) STA 512+14.49 (ML059) = STA 8512+15.08 (SURML059NB)
(5) STA 512+16.42 (ML059) = STA 8512+16.42 (SURML059NB)

TEMPORARY PAVEMENT MARKING LINE TYPES

See PM-110

*BCY4 - Place on the same side of the roadway to match existing markings near the project.
**NPY4 - For estimating purposes only. No Passing Zone Lines will be located in the field.
***MNY4 - Factor of 1.00 as value includes number of 4-inch passes to cover median nose area.

ELW4: Edge Line Right (White) @ 0.67 | DCY4: Double Centerline (Yellow) @ 1.34 | SLW4: Solid Lane Line (White) @ 0.67 | CHY8: Channelizing Line (Yellow) @ 1.33 | ELY4: Edge Line Left (Yellow) @ 0.67
CHW8: Channelizing Line (White) @ 1.33 | BLW4: Broken Lane Line (White) @ 0.17 | SLW2: Stop Line (White) @ 4.00 | ELW6: Edge Line Right (White) @ 1.00 | DCY6: Double Centerline (Yellow) @ 2.00
ELY6: Edge Line Left (Yellow) @ 1.00 | RLW6: Ramp Edge Line Right (White) @ 1.00 | RLY6: Ramp Edge Line Left (Yellow) @ 1.00 | BLW6: Broken Lane Line (White) @ 0.25 | SLW6: Solid Lane Line (White) @ 1.00

Location								Length by Line Type (Unfactored)													
Road ID	Station to Station		Dir. of Travel	Marking Type	Side			ELW4	DCY4	SLW4	CHY8	ELY4	CHW8	BLW4	SLW2	ELW6	DCY6	ELY6	RLW6	RLY6	BLW6	SLW6	Remarks
					L	C	R	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	
STAGE 2A																							
US 59	465+80.00	471+35.00	BOTH	PAVEMENT MARKINGS REMOVED	x	x	x	11.10	5.55														
US 59	476+79.85	477+15.84	SB	PAVEMENT MARKINGS REMOVED	x					0.36													
US 59	477+15.84	478+99.06	SB	PAVEMENT MARKINGS REMOVED	x			1.83		1.83													
US 59	478+99.96	484+00.00	SB	PAVEMENT MARKINGS REMOVED	x			5.00															
US 59	478+18.96	484+00.00	SB	PAVEMENT MARKINGS REMOVED		x					20.86												Incl hatching
US 59	509+42.59	517+46.49	SB	PAVEMENT MARKINGS REMOVED	x	x	x	8.04				8.04											
US 59	524+62.44	529+76.51	SB	PAVEMENT MARKINGS REMOVED	x		x	5.14		1.81		5.14	0.94	4.16									Incl painted island
US 59	551+53.02	556+68.40	BOTH	PAVEMENT MARKINGS REMOVED	x	x	x	10.31	5.15														
US 59	471+35.00	471+80.50	NB	PAVEMENT MARKINGS REMOVED			x	0.46															
US 59	472+36.03	475+87.10	NB	PAVEMENT MARKINGS REMOVED			x	3.51		1.37	1.34												Incl hatching
US 59	476+80.77	484+00.00	NB	PAVEMENT MARKINGS REMOVED				7.19		7.19													
US 59	484+00.00	508+72.08	NB	PAVEMENT MARKINGS REMOVED	x	x	x	24.72				24.72		24.72									
US 59	508+72.08	510+54.40	NB	PAVEMENT MARKINGS REMOVED	x	x	x	3.04				3.56		1.82									Incl median
US 59	510+54.40	516+43.66	NB	PAVEMENT MARKINGS REMOVED	x	x	x	5.89				5.89		5.89									
US 59	516+43.66	518+35.03	NB	PAVEMENT MARKINGS REMOVED	x	x	x	3.10				3.66		1.91									
US 59	518+35.03	521+33.10	NB	PAVEMENT MARKINGS REMOVED	x	x	x	2.98				2.98		2.98									
US 59	521+33.10	524+11.57	NB	PAVEMENT MARKINGS REMOVED	x	x	x	2.78		1.87				2.78									
US 59	524+11.57	541+04.91	NB	PAVEMENT MARKINGS REMOVED	x	x	x	16.93				16.93		16.93									
US 59	541+04.91	550+52.45	NB	PAVEMENT MARKINGS REMOVED	x		x	9.48			12.36												Incl hatching
US 59	550+52.45	551+53.02	NB	PAVEMENT MARKINGS REMOVED		x	x	1.01	1.01														
Ramp B	2650+19.00	2653+64.03	WB	PAVEMENT MARKINGS REMOVED	x							3.45											
Ramp B	2653+50.00	2653+50.00	WB	PAVEMENT MARKINGS REMOVED		x									0.13								
Ramp C	3651+59.93	3653+38.55	EB	PAVEMENT MARKINGS REMOVED			x					1.79											
US 59	465+80.00	466+52.33	BOTH	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x		x									1.45							
US 59	466+52.33	475+25.16	BOTH	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x	x	x									17.46	8.73						
US 59	475+25.00	475+25.00	BOTH	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED			x								0.12								
US 59	475+25.00	477+37.23	BOTH	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED			x									2.12							
US 59	477+37.23	507+21.15	BOTH	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x	x	x									59.68	29.84						
US 59	507+21.25	508+83.34	BOTH	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x	x										1.62	1.62						
US 59	508+83.34	510+44.35	BOTH	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS	x		x								0.65	12.51		0.96					median
US 59	508+83.34	510+44.35	BOTH	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED		x	x									1.51	1.61						
US 59	510+44.35	516+58.04	BOTH	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x	x	x									12.27	6.14						
US 59	516+58.04	517+99.33	BOTH	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS	x		x									0.64		0.74					median
US 59	516+58.04	517+99.33	BOTH	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED												1.28	1.41						
US 59	517+99.33	523+71.74	BOTH	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x	x	x									11.45	5.72						
US 59	523+71.74	525+75.28	BOTH	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS	x	x	x								0.31	1.70							median
US 59	523+71.74	525+75.28	BOTH	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED		x	x									2.04	2.04						
US 59	525+75.28	528+18.56	BOTH	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x	x	x									4.87	2.43						
US 59	528+18.56	531+81.62	BOTH	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x		x									3.63	3.63						
US 59	531+81.62	556+68.40	BOTH	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x	x	x									49.74	24.87						
Ramp B	2650+19.00	2651+83.41	WB	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS	x		x				1.64		1.64										
Ramp B	2651+83.41	2653+80.00	WB	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS	x		x									1.97		1.97					
Ramp C	3649+80.38	3650+79.81	EB	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS	x		x				0.99		0.99										
Ramp C	3650+79.81	3653+56.06	EB	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS	x		x									2.76		2.76					
Wood W	2473+53.75	2473+53.75	EB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED			x								0.12								
Wood W	2473+53.79	2474+78.54	EB	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS	x		x						2.50										
Wood W	2474+78.54	2475+06.77	EB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x		x									0.56							
Wood W	2475+06.77	2476+34.84	EB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED			x									1.28							
Marty	4422+75.00	4424+14.63	WB	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS		x											1.40						
STAGE 2B																							
US 59	507+08.84	508+26.39	BOTH	PAVEMENT MARKINGS REMOVED	x											1.18							
US 59	518+55.91	519+51.25	BOTH	PAVEMENT MARKINGS REMOVED	x											0.95							
US 59	507+08.84	508+26.39	BOTH	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS		x									0.54	1.51		0.99					median to Ramp B
US 59	518+55.91	519+51.25	BOTH	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS		x										1.10		0.86					median to Ramp C
Ramp B	2649+20.09	2653+79.99	BOTH	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS	x		x									5.43		5.43					
Ramp C	3650+43.78	3653+56.06	BOTH	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS	x		x									4.45		4.27					
Wood W	2473+80.36	2474+79.51	EB	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS	x											0.10							
Marty	4422+85.00	4424+02.35	BOTH	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS		x					2.34												lane separation
Marty	4424+02.34	4424+62.44	BOTH	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS		x									0.36		0.60						

Continued on Sheet C.18

TEMPORARY PAVEMENT MARKING LINE TYPES

See PM-110

*BCY4 - Place on the same side of the roadway to match existing markings near the project.
**NPY4 - For estimating purposes only. No Passing Zone Lines will be located in the field.
***MNY4 - Factor of 1.00 as value includes number of 4-inch passes to cover median nose area.

ELW4: Edge Line Right (White) @ 0.67
CHW8: Channelizing Line (White) @ 1.33
ELY6: Edge Line Left (Yellow) @ 1.00
DCY4: Double Centerline (Yellow) @ 1.34
BLW4: Broken Lane Line (White) @ 0.17
RLW6: Ramp Edge Line Right (White) @ 1.00
SLW4: Solid Lane Line (White) @ 0.67
SLW2: Stop Line (White) @ 4.00
RLY6: Ramp Edge Line Left (Yellow) @ 1.00
CHY8: Channelizing Line (Yellow) @ 1.33
ELW6: Edge Line Right (White) @ 1.00
BLW6: Broken Lane Line (White) @ 0.25
ELY4: Edge Line Left (Yellow) @ 0.67
DCY6: Double Centerline (Yellow) @ 2.00
SLW6: Solid Lane Line (White) @ 1.00

Location								Length by Line Type (Unfactored)													
Road ID	Station to Station		Dir. of Travel	Marking Type	Side			ELW4	DCY4	SLW4	CHY8	ELY4	CHW8	BLW4	SLW2	ELW6	DCY6	ELY6	RLW6	RLY6	BLW6	SLW6	Remarks
					L	C	R	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	
Continued from Sheet C.17																							
STAGE 3															0.24								
US 59	466+50.00	484+65.16	BOTH	PAVEMENT MARKINGS REMOVED	x	x										16.56	16.56						
US 59	466+50.00	484+65.16	BOTH	PAVEMENT MARKINGS REMOVED	x	x										16.56	16.56						
US 59	488+44.83	507+09.84	BOTH	PAVEMENT MARKINGS REMOVED	x	x										18.65	18.65						
US 59	507+09.84	508+26.39	BOTH	PAVEMENT MARKINGS REMOVED		x									0.54	1.51	1.17	0.99					median to Ramp B
US 59	508+26.39	518+55.89	BOTH	PAVEMENT MARKINGS REMOVED	x	x											10.30						median to Ramp C
US 59	518+55.89	519+51.25	BOTH	PAVEMENT MARKINGS REMOVED		x										1.10	0.95	0.86					
US 59	519+51.25	542+06.70	BOTH	PAVEMENT MARKINGS REMOVED	x	x											22.55						
US 59	542+06.70	556+68.40	BOTH	PAVEMENT MARKINGS REMOVED	x	x	x						29.23				14.62						
Wood W	2473+78.57	2473+78.57	EB	PAVEMENT MARKINGS REMOVED			x								0.12								
Wood W	2473+80.36	2474+79.51	EB	PAVEMENT MARKINGS REMOVED	x											0.99							
Ramp B	2649+20.09	2653+79.99	BOTH	PAVEMENT MARKINGS REMOVED	x		x									5.43		5.43					
Ramp C	3650+43.78	3653+56.06	BOTH	PAVEMENT MARKINGS REMOVED	x		x									4.45		4.27					
Ramp D	4653+86.09	4655+40.00	BOTH	PAVEMENT MARKINGS REMOVED	x		x													1.55			
Ramp E	5653+53.87	5656+33.29	BOTH	PAVEMENT MARKINGS REMOVED	x		x								0.44					2.80			
Marty	4422+85.00	4424+02.35	BOTH	PAVEMENT MARKINGS REMOVED		x					2.34												lane separation
Marty	4424+02.34	4424+62.44	BOTH	PAVEMENT MARKINGS REMOVED		x									0.36		0.60						
US 59	466+50.00	475+04.92	BOTH	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x		x									17.10		17.10					
US 59	475+04.92	477+16.02	BOTH	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x		x									2.11		4.22					
US 59	477+16.02	483+34.57	BOTH	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x		x									12.37		12.37					
US 59	483+34.57	484+65.43	NB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x		x																
US 59	484+65.43	501+17.94	NB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x													16.53					
US 59	502+15.94	507+12.63	NB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x		x											4.97					
US 59	509+62.68	517+56.43	NB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x		x											7.94					
US 59	519+22.11	523+66.39	NB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x		x											4.44					
US 59	525+47.51	528+18.56	NB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x		x											2.71					
US 59	529+37.58	542+06.00	NB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x		x											12.68					
US 59	542+06.00	557+03.00	NB	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS	x		x				14.97		14.97										
US 59	557+03.00	558+32.76	BOTH	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED		x	x									2.60	1.30						
US 59	483+34.57	507+19.69	SB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x		x									23.85		23.85					
US 59	509+97.85	516+84.95	SB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x		x									6.87		6.87					
US 59	518+56.00	522+32.24	SB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x		x									3.76		3.76					
US 59	525+77.60	528+34.07	SB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x		x									2.56		2.56					
US 59	529+76.51	544+50.27	SB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x		x									14.74		14.74					
US 59	544+50.27	557+03.00	SB	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS	x		x				12.53		12.53										
Ramp B	2649+20.00	2653+79.99	EB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x		x									4.60		4.60					
Ramp C	3648+90.00	3653+56.06	WB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x		x									4.66		4.43					
Ramp D	4653+97.39	4657+60.00	EB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x													3.63					
Ramp E	5653+32.53	5658+40.00	WB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x		x									5.07		4.77					
Ramp E	5653+66.05	5653+66.05	WB	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS	x	x	x								0.36					2.80			
York	530+29.62	532+86.13	BOTH	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS	x	x	x								0.12	4.16	2.57						
STAGE 4A																							
US 59	465+61.72	465+80.00	BOTH	PAVEMENT MARKINGS REMOVED	x	x	x	0.37	0.18														
US 59	465+80.00	466+52.33	BOTH	PAVEMENT MARKINGS REMOVED	x		x									1.45							
US 59	466+52.33	471+35.75	BOTH	PAVEMENT MARKINGS REMOVED	x	x	x									9.67	4.83						
US 59	551+53.02	556+68.40	BOTH	PAVEMENT MARKINGS REMOVED	x	x	x									10.31	5.15						
Ramp D	4653+61.49	4657+57.55	BOTH	PAVEMENT MARKINGS REMOVED	x		x	3.96				3.96											
Ramp E	4653+61.49	4657+57.55	BOTH	PAVEMENT MARKINGS REMOVED	x		x	3.96				3.96											
Continued on Sheet C.19																							

TEMPORARY PAVEMENT MARKING LINE TYPES

See PM-110

*BCY4 - Place on the same side of the roadway to match existing markings near the project.
**NPY4 - For estimating purposes only. No Passing Zone Lines will be located in the field.
***MNY4 - Factor of 1.00 as value includes number of 4-inch passes to cover median nose area.

ELW4: Edge Line Right (White) @ 0.67 | DCY4: Double Centerline (Yellow) @ 1.34 | SLW4: Solid Lane Line (White) @ 0.67 | CHY8: Channelizing Line (Yellow) @ 1.33 | ELY4: Edge Line Left (Yellow) @ 0.67
CHW8: Channelizing Line (White) @ 1.33 | BLW4: Broken Lane Line (White) @ 0.17 | SLW2: Stop Line (White) @ 4.00 | ELW6: Edge Line Right (White) @ 1.00 | DCY6: Double Centerline (Yellow) @ 2.00
ELY6: Edge Line Left (Yellow) @ 1.00 | RLW6: Ramp Edge Line Right (White) @ 1.00 | RLY6: Ramp Edge Line Left (Yellow) @ 1.00 | BLW6: Broken Lane Line (White) @ 0.25 | SLW6: Solid Lane Line (White) @ 1.00

Location								Length by Line Type (Unfactored)													
Road ID	Station to Station		Dir. of Travel	Marking Type	Side			ELW4	DCY4	SLW4	CHY8	ELY4	CHW8	BLW4	SLW2	ELW6	DCY6	ELY6	RLW6	RLY6	BLW6	SLW6	Remarks
					L	C	R	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	
Continued from Sheet C.18																							
US 59	465+78.74	467+26.93	BOTH	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED			x									1.48							
US 59	467+34.83	470+40.57	BOTH	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x											3.06							
US 59	468+76.63	468+76.63	BOTH	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS			x								0.12								
US 59	468+76.63	470+40.57	BOTH	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS			x				1.64												
US 59	470+40.57	475+29.05	BOTH	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x		x									9.77							
US 59	475+29.05	476+89.60	BOTH	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED			x									1.61							
US 59	476+89.60	478+20.78	BOTH	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x	x	x									2.62	1.31						
US 59	478+20.78	478+20.78	BOTH	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS	x										0.12								
US 59	478+20.78	508+32.63	BOTH	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x	x	x									60.24	30.12						
US 59	508+32.63	509+54.95	BOTH	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED		x	x										1.22						
US 59	508+32.63	509+54.95	BOTH	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS		x	x									0.92		0.40					median to ramp D
US 59	517+20.84	519+68.75	BOTH	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS			x								0.65	2.01		1.02					median to ramp E
US 59	517+46.50	519+28.02	BOTH	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED		x											1.82						
US 59	519+28.02	519+68.75	BOTH	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x	x										0.41	0.41						
US 59	519+68.75	524+44.67	BOTH	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x	x	x									9.52	4.76						
US 59	524+44.67	525+72.35	BOTH	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS			x									1.09							median to ENT8524R
US 59	524+44.67	525+72.35	BOTH	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x	x										1.28	1.28						
US 59	525+72.35	527+88.44	BOTH	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS			x									2.36							to York return
US 59	525+72.35	527+88.44	BOTH	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x	x										2.16	2.16						
US 59	527+88.44	551+53.02	BOTH	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x	x	x									47.29	23.65						
US 59	551+53.02	556+68.40	BOTH	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS	x	x	x									10.31	5.15						
Ramp D	4653+61.49	4657+57.55	BOTH	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS	x		x									4.08		5.14					
Ramp E	4653+61.49	4657+57.55	BOTH	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS	x		x									4.05		4.15					
Wood W	2474+90.00	2476+09.55	BOTH	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS	x		x									3.25							
Wood W	2475+41.66	2475+41.66	WB	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS			x								0.14								
York	5529+68.38	5532+86.13	BOTH	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS	x	x	x									6.30	3.38						
York	5529+81.26	5529+81.26	BOTH	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS	x										0.13								
ENT8524R	+00.00	1+32.08	BOTH	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS	x	x	x									1.40	1.15						
ENT8524R	+23.96	+23.96	BOTH	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS			x								0.29								
STAGE 4B																							
US 59	467+34.83	470+40.57	BOTH	PAVEMENT MARKINGS REMOVED	x											3.06							
US 59	470+40.57	475+29.05	BOTH	PAVEMENT MARKINGS REMOVED	x		x									9.77							
US 59	475+29.05	476+89.60	BOTH	PAVEMENT MARKINGS REMOVED			x									1.61							
US 59	476+89.60	478+20.78	BOTH	PAVEMENT MARKINGS REMOVED	x	x	x									2.62	1.31						
US 59	478+20.78	483+34.39	BOTH	PAVEMENT MARKINGS REMOVED	x	x	x									10.27	5.14						
US 59	507+76.76	508+32.63	BOTH	PAVEMENT MARKINGS REMOVED			x									0.56							
US 59	541+44.17	551+53.02	BOTH	PAVEMENT MARKINGS REMOVED	x	x	x									20.18	10.09						
US 59	467+34.83	475+04.94	BOTH	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x	x	x									15.40	7.70						
US 59	475+04.94	475+92.84	BOTH	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED		x	x									0.88	0.88						
US 59	507+76.76	509+39.68	BOTH	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS			x									0.92		1.07					median to ramp D
US 59	517+21.50	517+94.21	BOTH	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED			x									0.73							
US 59	517+94.21	519+40.67	BOTH	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS			x									1.17		0.86					median to ramp E
US 59	518+48.94	518+48.94	BOTH	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS											0.51								
US 59	541+77.97	556+68.40	BOTH	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x	x	x									29.81	14.90						
Ramp D	4655+53.36	4656+93.18	BOTH	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS	x		x									3.48	3.67						
Ramp E	5653+32.53	5657+57.56	BOTH	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS												5.38		5.11					incl returns
Wood W	2475+95.81	2475+95.81	WB	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS			x								0.38								
York	5529+68.38	5532+70.52	BOTH	WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS	x	x	x								0.38	7.30	4.35						incl returns
				Factored Total: PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED				-	-	-	-	-	-	-	0.96	457.49	359.08	152.17	-	-	-	-	
				Factored Total: WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS				-	-	-	45.37	-	43.40	-	20.23	90.34	44.53	35.73	-	2.80	-	-	
				Factored Total: PAVEMENT MARKINGS REMOVED				87.64	15.94	9.67	49.08	56.34	40.13	10.41	6.36	136.87	256.97	11.55	-	4.35	-	-	
	Temporary Pavement Markings Subtotals:																						
				Bid Quantity: 2527-9263209 - PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED							969.7												
				Bid Quantity: 2527-9263231 - WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS							282.4												
				Bid Quantity: 2527-9263181 - PAVEMENT MARKINGS REMOVED							685.3												

PERMANENT PAVEMENT MARKING LINE TYPES

See PM-110

*BCY4 - Place on the same side of the roadway to match existing markings near the project.
**NPY4 - For estimating purposes only. No Passing Zone Lines will be located in the field.
***MNY4 - Factor of 1.00 as value includes number of 4-inch passes to cover median nose area.

ELW4: Edge Line Right (White) @ 0.67
CHW10: Channelizing Line (White) @ 1.67
ELY6: Edge Line Left (Yellow) @ 1.00
DCY4: Double Centerline (Yellow) @ 1.34
BLW4: Broken Lane Line (White) @ 0.17
RLW6: Ramp Edge Line Right (White) @ 1.00
SLW4: Solid Lane Line (White) @ 0.67
SLW2: Stop Line (White) @ 4.00
RLY6: Ramp Edge Line Left (Yellow) @ 1.00
CHY8: Channelizing Line (Yellow) @ 1.33
ELW6: Edge Line Right (White) @ 1.00
BLW6: Broken Lane Line (White) @ 0.25
ELY4: Edge Line Left (Yellow) @ 0.67
DCY6: Double Centerline (Yellow) @ 2.00
SLW6: Solid Lane Line (White) @ 1.00

Location								Length by Line Type (Unfactored)																
Road ID	Station to Station		Dir. of Travel	Marking Type	Side			ELW4	DCY4	SLW4	CHY8	ELY4	CHW10	BLW4	SLW2	ELW6	DCY6	ELY6	RLW6	RLY6	BLW6	SLW6	Remarks
					L	C	R	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	
FINAL																								
US 59	465+78.74	467+26.93	BOTH	PAVEMENT MARKINGS REMOVED			x									1.48							
US 59	467+34.83	475+04.94	BOTH	PAVEMENT MARKINGS REMOVED	x	x	x									15.40	7.70						
US 59	475+04.94	475+92.84	BOTH	PAVEMENT MARKINGS REMOVED		x	x									0.88	0.88						
US 59	475+29.05	476+89.60	BOTH	PAVEMENT MARKINGS REMOVED			x									1.61							
US 59	476+89.60	478+20.78	BOTH	PAVEMENT MARKINGS REMOVED	x	x	x									2.62	1.31						
US 59	478+20.78	508+72.92	BOTH	PAVEMENT MARKINGS REMOVED	x	x	x									61.04	30.52						
US 59	508+72.92	509+39.68	BOTH	PAVEMENT MARKINGS REMOVED		x	x										0.67						
US 59	517+21.50	517+94.21	BOTH	PAVEMENT MARKINGS REMOVED			x									0.73							
US 59	519+28.02	519+68.75	BOTH	PAVEMENT MARKINGS REMOVED	x	x										0.41	0.41						
US 59	519+68.75	524+44.67	BOTH	PAVEMENT MARKINGS REMOVED	x	x	x									9.52	4.76						
US 59	524+44.67	525+72.35	BOTH	PAVEMENT MARKINGS REMOVED	x	x										1.28	1.28						
US 59	525+72.35	527+88.44	BOTH	PAVEMENT MARKINGS REMOVED	x	x										2.16	2.16						
US 59	527+88.44	541+77.97	BOTH	PAVEMENT MARKINGS REMOVED	x	x	x									27.79	13.90						
US 59	541+77.97	556+68.40	BOTH	PAVEMENT MARKINGS REMOVED	x	x	x									29.81	14.90						
US 59	465+61.72	471+35.75	BOTH	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x	x	x									11.48	5.74						
US 59	465+61.72	471+35.75	BOTH	GROOVES CUT FOR PAVEMENT MARKINGS	x	x	x									11.48	5.74						
US 59	471+35.75	471+71.36	NB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x		x									0.36	0.36						
US 59	471+35.75	471+71.36	NB	GROOVES CUT FOR PAVEMENT MARKINGS	x		x									0.36	0.36						
US 59	472+49.36	475+90.10	NB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x		x									3.15	1.50					1.50	
US 59	472+49.36	475+90.10	NB	GROOVES CUT FOR PAVEMENT MARKINGS	x		x									3.15	1.50					1.50	
US 59	476+82.54	481+53.66	NB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED			x									4.71							
US 59	476+82.54	481+53.66	NB	GROOVES CUT FOR PAVEMENT MARKINGS			x									4.71							
US 59	481+53.66	501+17.94	NB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED		x	x									19.46					19.64		
US 59	481+53.66	501+17.94	NB	GROOVES CUT FOR PAVEMENT MARKINGS		x	x									19.46					19.64		
US 59	489+78.08	493+26.64	NB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x								6.97										Median LTL
US 59	489+78.08	493+26.64	NB	GROOVES CUT FOR PAVEMENT MARKINGS	x								6.97										Median LTL
US 59	489+78.08	493+26.64	NB	PERMANENT TAPE MARKINGS, PREFORMED THERMOPLASTIC MARKING MATL	x								2.66										Median LTL hatching
US 59	489+78.08	493+26.64	NB	GROOVES CUT FOR PAVEMENT MARKINGS	x								2.66										Median LTL hatching
US 59	496+01.03	501+36.69	NB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x								10.71										Median LTL
US 59	496+01.03	501+36.69	NB	GROOVES CUT FOR PAVEMENT MARKINGS	x								10.71										Median LTL
US 59	496+01.03	501+36.69	NB	PERMANENT TAPE MARKINGS, PREFORMED THERMOPLASTIC MARKING MATL	x								6.34										Median LTL hatching
US 59	496+01.03	501+36.69	NB	GROOVES CUT FOR PAVEMENT MARKINGS	x								6.34										Median LTL hatching
US 59	502+15.94	507+21.15	NB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED		x	x									5.05					6.03		
US 59	502+15.94	507+21.15	NB	GROOVES CUT FOR PAVEMENT MARKINGS		x	x									5.05					6.03		
US 59	509+22.45	517+86.11	NB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x	x	x									8.64		5.70			10.65		
US 59	509+22.45	517+86.11	NB	GROOVES CUT FOR PAVEMENT MARKINGS	x	x	x									8.64		5.70			10.65		
US 59	519+22.11	523+66.85	NB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED		x	x									4.45					5.81		
US 59	519+22.11	523+66.85	NB	GROOVES CUT FOR PAVEMENT MARKINGS		x	x									4.45					5.81		
US 59	519+79.60	524+23.12	NB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x								8.87										Median LTL
US 59	519+79.60	524+23.12	NB	GROOVES CUT FOR PAVEMENT MARKINGS	x								8.87										Median LTL
US 59	519+79.60	524+23.12	NB	PERMANENT TAPE MARKINGS, PREFORMED THERMOPLASTIC MARKING MATL	x								6.32										Median LTL hatching
US 59	519+79.60	524+23.12	NB	GROOVES CUT FOR PAVEMENT MARKINGS	x								6.32										Median LTL hatching
US 59	525+47.51	528+18.56	NB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED		x	x									2.71					4.52		
US 59	525+47.51	528+18.56	NB	GROOVES CUT FOR PAVEMENT MARKINGS		x	x									2.71					4.52		
US 59	526+46.69	529+25.00	NB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x								5.57										Median LTL
US 59	526+46.69	529+25.00	NB	GROOVES CUT FOR PAVEMENT MARKINGS	x								5.57										Median LTL
US 59	526+46.69	529+25.00	NB	PERMANENT TAPE MARKINGS, PREFORMED THERMOPLASTIC MARKING MATL	x								1.72										Median LTL hatching
US 59	526+46.69	529+25.00	NB	GROOVES CUT FOR PAVEMENT MARKINGS	x								1.72										Median LTL hatching
US 59	531+15.52	533+20.67	NB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED		x	x									2.05					5.02		
US 59	531+15.52	533+20.67	NB	GROOVES CUT FOR PAVEMENT MARKINGS		x	x									2.05					5.02		
US 59	533+20.67	550+53.14	NB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED			x									17.32							
US 59	533+20.67	550+53.14	NB	GROOVES CUT FOR PAVEMENT MARKINGS			x									17.32							

Continued on Sheet C.21

PERMANENT PAVEMENT MARKING LINE TYPES

See PM-110

*BCY4 - Place on the same side of the roadway to match existing markings near the project.
**NPY4 - For estimating purposes only. No Passing Zone Lines will be located in the field.
***MNY4 - Factor of 1.00 as value includes number of 4-inch passes to cover median nose area.

ELW4: Edge Line Right (White) @ 0.67
CHW10: Channelizing Line (White) @ 1.67
ELY6: Edge Line Left (Yellow) @ 1.00
DCY4: Double Centerline (Yellow) @ 1.34
BLW4: Broken Lane Line (White) @ 0.17
RLW6: Ramp Edge Line Right (White) @ 1.00
SLW4: Solid Lane Line (White) @ 0.67
SLW2: Stop Line (White) @ 4.00
RLY6: Ramp Edge Line Left (Yellow) @ 1.00
CHY8: Channelizing Line (Yellow) @ 1.33
ELW6: Edge Line Right (White) @ 1.00
BLW6: Broken Lane Line (White) @ 0.25
ELY4: Edge Line Left (Yellow) @ 0.67
DCY6: Double Centerline (Yellow) @ 2.00
SLW6: Solid Lane Line (White) @ 1.00

Location					Side			Length by Line Type (Unfactored)														
Road ID	Station to Station		Dir. of Travel	Marking Type	L	C	R	ELW4	DCY4	SLW4	CHY8	ELY4	CHW10	BLW4	SLW2	ELW6	DCY6	ELY6	RLW6	RLY6	BLW6	SLW6	Remarks
								STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	
Continued from Sheet C.20																							
US 59	472+99.80	474+39.98	BOTH	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED		x					2.80												
US 59	472+99.80	474+39.98	BOTH	GROOVES CUT FOR PAVEMENT MARKINGS		x					2.80												
US 59	472+99.80	474+39.98	BOTH	PERMANENT TAPE MARKINGS, PREFORMED THERMOPLASTIC MARKING MATL		x					0.25												Median hatching
US 59	472+99.80	474+39.98	BOTH	GROOVES CUT FOR PAVEMENT MARKINGS		x					0.25												Median hatching
US 59	477+13.24	493+26.54	BOTH	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED		x					32.27												Median, incl nose
US 59	477+13.24	493+26.54	BOTH	GROOVES CUT FOR PAVEMENT MARKINGS		x					32.27												Median, incl nose
US 59	477+13.24	493+26.54	BOTH	PERMANENT TAPE MARKINGS, PREFORMED THERMOPLASTIC MARKING MATL		x					14.77												Median hatching
US 59	477+13.24	493+26.54	BOTH	GROOVES CUT FOR PAVEMENT MARKINGS		x					14.77												Median hatching
US 59	493+71.62	501+06.01	BOTH	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED		x					14.69												Median, incl nose
US 59	493+71.62	501+06.01	BOTH	GROOVES CUT FOR PAVEMENT MARKINGS		x					14.69												Median, incl nose
US 59	493+71.62	501+06.01	BOTH	PERMANENT TAPE MARKINGS, PREFORMED THERMOPLASTIC MARKING MATL		x					16.51												Median hatching
US 59	493+71.62	501+06.01	BOTH	GROOVES CUT FOR PAVEMENT MARKINGS		x					16.51												Median hatching
US 59	501+82.40	509+00.97	BOTH	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED		x					14.37												Median, incl nose
US 59	501+82.40	509+00.97	BOTH	GROOVES CUT FOR PAVEMENT MARKINGS		x					14.37												Median, incl nose
US 59	501+82.40	509+00.97	BOTH	PERMANENT TAPE MARKINGS, PREFORMED THERMOPLASTIC MARKING MATL		x					9.69												Median hatching
US 59	501+82.40	509+00.97	BOTH	GROOVES CUT FOR PAVEMENT MARKINGS		x					9.69												Median hatching
US 59	509+08.04	510+90.00	BOTH	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED		x					4.16												Median btwn ramps
US 59	509+08.04	510+90.00	BOTH	GROOVES CUT FOR PAVEMENT MARKINGS		x					4.16												Median btwn ramps
US 59	516+60.00	518+05.75	BOTH	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED		x					3.46												Median btwn ramps
US 59	516+60.00	518+05.75	BOTH	GROOVES CUT FOR PAVEMENT MARKINGS		x					3.46												Median btwn ramps
US 59	518+15.48	524+08.39	BOTH	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED		x					11.86												Median btwn ramps
US 59	518+15.48	524+08.39	BOTH	GROOVES CUT FOR PAVEMENT MARKINGS		x					11.86												Median btwn ramps
US 59	518+15.48	524+08.39	BOTH	PERMANENT TAPE MARKINGS, PREFORMED THERMOPLASTIC MARKING MATL		x					7.50												Median hatching
US 59	518+15.48	524+08.39	BOTH	GROOVES CUT FOR PAVEMENT MARKINGS		x					7.50												Median hatching
US 59	524+84.30	529+27.85	BOTH	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED		x					8.87												Median, incl nose
US 59	524+84.30	529+27.85	BOTH	GROOVES CUT FOR PAVEMENT MARKINGS		x					8.87												Median, incl nose
US 59	524+84.30	529+27.85	BOTH	PERMANENT TAPE MARKINGS, PREFORMED THERMOPLASTIC MARKING MATL		x					3.18												Median hatching
US 59	524+84.30	529+27.85	BOTH	GROOVES CUT FOR PAVEMENT MARKINGS		x					3.18												Median hatching
US 59	529+99.97	550+53.14	BOTH	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED		x					41.06												Median, incl nose
US 59	529+99.97	550+53.14	BOTH	GROOVES CUT FOR PAVEMENT MARKINGS		x					41.06												Median, incl nose
US 59	529+99.97	550+53.14	BOTH	PERMANENT TAPE MARKINGS, PREFORMED THERMOPLASTIC MARKING MATL		x					20.56												Median hatching
US 59	529+99.97	550+53.14	BOTH	GROOVES CUT FOR PAVEMENT MARKINGS		x					20.56												Median hatching
US 59	471+35.75	471+49.82	SB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x											0.14							
US 59	471+35.75	471+49.82	SB	GROOVES CUT FOR PAVEMENT MARKINGS	x											0.14							
US 59	472+93.80	475+04.92	SB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x											2.11							
US 59	472+93.80	475+04.92	SB	GROOVES CUT FOR PAVEMENT MARKINGS	x											2.11							
US 59	476+71.78	487+45.47	SB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x											10.31						2.28	
US 59	476+71.78	487+45.47	SB	GROOVES CUT FOR PAVEMENT MARKINGS	x											10.31						2.28	
US 59	477+14.94	478+64.94	SB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED			x									1.50						1.50	
US 59	477+14.94	478+64.94	SB	GROOVES CUT FOR PAVEMENT MARKINGS			x									1.50						1.50	
US 59	487+45.47	507+19.69	SB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x	x										19.74					19.74		
US 59	487+45.47	507+19.69	SB	GROOVES CUT FOR PAVEMENT MARKINGS	x	x										19.74					19.74		
US 59	501+83.95	507+09.60	SB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED			x						10.51										Median LTL
US 59	501+83.95	507+09.60	SB	GROOVES CUT FOR PAVEMENT MARKINGS			x						10.51										Median LTL
US 59	501+83.95	507+09.60	SB	PERMANENT TAPE MARKINGS, PREFORMED THERMOPLASTIC MARKING MATL			x						6.20										Median LTL hatching
US 59	501+83.95	507+09.60	SB	GROOVES CUT FOR PAVEMENT MARKINGS			x						6.20										Median LTL hatching
US 59	509+97.85	516+84.95	SB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x	x										6.87		7.00			9.65		
US 59	509+97.85	516+84.95	SB	GROOVES CUT FOR PAVEMENT MARKINGS	x	x										6.87		7.00			9.65		
US 59	519+28.02	522+32.24	SB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x	x										3.04					5.47		
US 59	519+28.02	522+32.24	SB	GROOVES CUT FOR PAVEMENT MARKINGS	x	x										3.04					5.47		
US 59	524+80.00	527+90.26	SB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED			x						6.21										Median LTL
US 59	524+80.00	527+90.26	SB	GROOVES CUT FOR PAVEMENT MARKINGS			x						6.21										Median LTL
US 59	524+80.00	527+90.26	SB	PERMANENT TAPE MARKINGS, PREFORMED THERMOPLASTIC MARKING MATL			x						2.81										Median LTL hatching
US 59	524+80.00	527+90.26	SB	GROOVES CUT FOR PAVEMENT MARKINGS			x						2.81										Median LTL hatching
US 59	525+77.60	543+57.19	SB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x	x										17.80					20.50		
US 59	525+77.60	543+57.19	SB	GROOVES CUT FOR PAVEMENT MARKINGS	x	x										17.80					20.50		
US 59	529+95.00	536+12.59	SB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED			x						12.35										Median LTL
US 59	529+95.00	536+12.59	SB	GROOVES CUT FOR PAVEMENT MARKINGS			x						12.35										Median LTL
US 59	529+95.00	536+12.59	SB	PERMANENT TAPE MARKINGS, PREFORMED THERMOPLASTIC MARKING MATL			x						9.58										Median LTL hatching
US 59	529+95.00	536+12.59	SB	GROOVES CUT FOR PAVEMENT MARKINGS			x						9.58										Median LTL hatching
US 59	543+57.19	550+53.14	SB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x											6.96							
US 59	543+57.19	550+53.14	SB	GROOVES CUT FOR PAVEMENT MARKINGS	x											6.96							
US 59	550+53.14	556+35.00	BOTH	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x	x	x									11.64	5.82						
US 59	550+53.14	556+35.00	BOTH	GROOVES CUT FOR PAVEMENT MARKINGS	x	x	x									11.64	5.82						
Ramp B	2652+70.00	2653+77.51	EB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x		x												1.43	1.08			
Ramp B	2652+70.00	2653+77.51	EB	GROOVES CUT FOR PAVEMENT MARKINGS	x		x												1.43	1.08			
Ramp B	2653+55.45	2653+55.45	EB	PERMANENT TAPE MARKINGS, PREFORMED THERMOPLASTIC MARKING MATL	x	x	x								0.59								
Ramp B	2653+55.45	2653+55.45	EB	GROOVES CUT FOR PAVEMENT MARKINGS	x	x	x								0.59								
Continued on Sheet C.22																							

PERMANENT PAVEMENT MARKING LINE TYPES

See PM-110

*BCY4 - Place on the same side of the roadway to match existing markings near the project.
**NPY4 - For estimating purposes only. No Passing Zone Lines will be located in the field.
***MNY4 - Factor of 1.00 as value includes number of 4-inch passes to cover median nose area.

ELW4: Edge Line Right (White) @ 0.67
CHW10: Channelizing Line (White) @ 1.67
ELY6: Edge Line Left (Yellow) @ 1.00
DCY4: Double Centerline (Yellow) @ 1.34
BLW4: Broken Lane Line (White) @ 0.17
RLW6: Ramp Edge Line Right (White) @ 1.00
SLW4: Solid Lane Line (White) @ 0.67
SLW2: Stop Line (White) @ 4.00
RLY6: Ramp Edge Line Left (Yellow) @ 1.00
CHY8: Channelizing Line (Yellow) @ 1.33
ELW6: Edge Line Right (White) @ 1.00
BLW6: Broken Lane Line (White) @ 0.25
ELY4: Edge Line Left (Yellow) @ 0.67
DCY6: Double Centerline (Yellow) @ 2.00
SLW6: Solid Lane Line (White) @ 1.00

Location								Length by Line Type (Unfactored)													
Road ID	Station to Station		Dir. of Travel	Marking Type	Side			ELW4	DCY4	SLW4	CHY8	ELY4	CHW10	BLW4	SLW2	ELW6	DCY6	ELY6	RLW6	RLY6	BLW6	SLW6	Remarks
					L	C	R	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	STA	
Continued from Sheet C.21																							
Ramp C	3651+30.00	3653+56.06	WB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x		x												3.41	2.23			
Ramp C	3651+30.00	3653+56.06	WB	GROOVES CUT FOR PAVEMENT MARKINGS	x		x												3.41	2.23			
Ramp D	4653+61.49	4655+40.00	EB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x		x												2.70	1.71			
Ramp D	4653+61.49	4655+40.00	EB	GROOVES CUT FOR PAVEMENT MARKINGS	x		x												2.70	1.71			
Ramp E	5653+23.53	5655+00.00	WB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x		x												2.15	1.63			
Ramp E	5653+23.53	5655+00.00	WB	GROOVES CUT FOR PAVEMENT MARKINGS	x		x												2.15	1.63			
Ramp E	5653+57.93	5653+57.93	WB	PERMANENT TAPE MARKINGS, PREFORMED THERMOPLASTIC MARKING MATL	x	x	x								0.52								
Ramp E	5653+57.93	5653+57.93	WB	GROOVES CUT FOR PAVEMENT MARKINGS	x	x	x								0.52								
Wood W	2474+90.00	2476+12.74	BOTH	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x		x									3.53							
Wood W	2474+90.00	2476+12.74	BOTH	GROOVES CUT FOR PAVEMENT MARKINGS	x		x									3.53							
Wood W	2475+95.34	2475+95.34	BOTH	PERMANENT TAPE MARKINGS, PREFORMED THERMOPLASTIC MARKING MATL			x								0.36								
Wood W	2475+95.34	2475+95.34	BOTH	GROOVES CUT FOR PAVEMENT MARKINGS			x								0.36								
York Rd	5530+14.07	5531+39.04	WB	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	x		x						0.53				1.16						Incl painted island
York Rd	5530+14.07	5531+39.04	WB	GROOVES CUT FOR PAVEMENT MARKINGS	x		x						0.53				1.16						Incl painted island
York Rd	5530+29.37	5530+29.37	WB	PERMANENT TAPE MARKINGS, PREFORMED THERMOPLASTIC MARKING MATL	x		x								0.83								Incl painted island
York Rd	5530+29.37	5530+29.37	WB	GROOVES CUT FOR PAVEMENT MARKINGS	x		x								0.83								Incl painted island
				Factored Total: PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED				-	-	-	177.61	-	103.07	-	-	163.02	29.15	12.70	9.69	6.65	26.76	5.28	
				Factored Total: PERMANENT TAPE MARKINGS, PREFORMED THERMOPLASTIC MARKING M				-	-	-	96.37	-	59.50	-	9.21	-	-	-	-	-	-	-	
				Factored Total: PAVEMENT MARKINGS REMOVED				-	-	-	-	-	-	-	-	154.72	156.97	-	-	-	-	-	
				Factored Total: GROOVES CUT FOR PAVEMENT MARKINGS				-	-	-	273.98	-	162.57	-	9.21	163.02	29.15	12.70	9.69	6.65	26.76	5.28	
				Permanent Pavement Markings Subtotals:																			
				Bid Quantity: 2527-9263209 - PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED							533.92												
				Bid Quantity: 2527-9263225 - PERMANENT TAPE MARKINGS, PREFORMED THERMOPLASTIC MARKING MATERIAL							165.08												
				Bid Quantity: 2527-9263181 - PAVEMENT MARKINGS REMOVED							311.69												
				Bid Quantity: 2527-9270112 - GROOVES CUT FOR PAVEMENT MARKINGS							699.00												
				Pavement Markings Grand Totals:																			
				Bid Quantity: 2527-9263209 - PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED							**1503.6**												
				Bid Quantity: 2527-9263225 - PERMANENT TAPE MARKINGS, PREFORMED THERMOPLASTIC MARKING MATERIAL							**165.1**												
				Bid Quantity: 2527-9263231 - WET RETROREFLECTIVE REMOVABLE TAPE MARKINGS							**282.4**												
				Bid Quantity: 2527-9263181 - PAVEMENT MARKINGS REMOVED							**997.0**												
				Bid Quantity: 2527-9270112 - GROOVES CUT FOR PAVEMENT MARKINGS							**699.0**												

PAVEMENT MARKING SYMBOLS AND LEGENDS

Refer to PM-111

Road Identification	Location		STAW	RTAW	LTAW	CSRW	CSLW	CSTW	CRLW	FERW	LLRW	RLRW	RRCW	BLSW	WCSW	WPSB	SCLW	XNGW	STPW	AHDW	ONLW	BIKW	LANW	XITW	Groove Cuts	Remarks
	Station	Side															SCHOOL	XING	STOP	AHEAD	ONLY	BIKE	LANE	EXIT		
STAGE 5 - FINAL																										
US 59	474+90.00	NB			1																					At ENT2242L
US 59	475+65.00	NB			1																					At ENT2242L
US 59	492+26.56	NB			1																					At ENT2225L
US 59	493+01.56	NB			1																					At ENT2225L
US 59	500+02.26	NB			1																					At Marty Dr
US 59	500+79.03	NB			1																					At Marty Dr
US 59	523+05.04	NB			1																					At ENT1034L
US 59	523+80.00	NB			1																					At ENT1034L
US 59	528+25.00	NB			1																					
US 59	529+00.00	NB			1																					
US 59	477+40.09	SB			1																					At Wood St
US 59	477+40.88	SB		1																						At Wood St
US 59	478+15.09	SB			1																					At Wood St
US 59	478+15.88	SB		1																						At Wood St
US 59	502+10.00	SB			1																					At Lavista
US 59	502+85.00	SB			1																					At Lavista
US 59	525+11.23	SB			1																					At ENT8524R
US 59	525+86.23	SB			1																					At ENT8524R
US 59	530+26.95	SB			1																					At York Rd
US 59	531+01.95	SB			1																					At York Rd
SUBTOTALS:				2	18																					
TOTAL:				20																						
BID ITEMS:																										
	PRE-CUT SYMBOLS AND LEGENDS, PREFORMED THERMOPLASTIC MARKING MATERIAL								**20**	**EA**																
	GROOVES CUT FOR SYMBOLS AND LEGENDS								**20**	**EA**																

DRAINAGE STRUCTURE BY ROAD CONTRACTOR

Length of unclassified pipe calculated is based on using Corrugated Metal Pipe.
* Not a bid item
(1) Diameter or equivalent diameter
(2) UNCL = Unclassified Pipe CMP = Corrugated Metal Pipe RCP = Reinforced Concrete Pipe LCP = Arch or Elliptical Low Clearance Pipe SARC = Steel Arch Pipe
(3) Backfill according to DR-101

Drainage Area	Location	Type	Size (1)	Kind Of Pipe (2)	Length New Const.	Bedding Class	Design Cover (H)	Camber* (DR-102)	Apron No.		Apron Guard* (DR-213)	Elbow* (DR-141)	Diaphragm* (DR-501)	Tee Section* (DR-142)	"D" Section* (DR-141)	Reducer*	Type 'C' Connections* (DR-122)		Connected Pipe Joint* (DR-121)	4" Perforated Subdrain*	Flow Line Elevations				Dimensions Lin. Ft. Total		Dimensions Lin. Ft. Extensions		Skew Ahead Degrees		Dike Rt./Lt.	Dike Location Station	Dike Top Elevation	Dike Type	Class 20	Flowable Mortar	Floodable* Backfill (A)	Porous* Backfill (B)	Flooded Backfill (3) (A+B)	Remarks
ACRE			IN		LF		FT	FT	IN	OUT	No.	No.	No.	No.	No.	No.	Type	No.	Type	FT	Lt.	Rt.	Other	Other	Lt.	Rt.	Lt.	Rt.	Lt.	Rt.	Lt.				CY	CY	CY	CY	CY	
	STAGE 1																																							
	US 59																																							
64.0	472+65.34	DR-621	30	UNCL	11	B																1139.87		1139.66		41.0		11.0												(1)
	524+47.96	DR-621	18	UNCL	90	B						1										1243.09	1243.23	1243.74		216.0		90.0		15										(2)
	PERSHING ST																																							
	1472+49.53	DR-621	24	UNCL	6	B						1									1140.06		1140.04		31.0		6.0		30										(3)
	WOOD ST E																																							
	2476+76.36	DR-621	24	UNCL	16	B						1									1145.25		1145.14		47.0		16.0		30										(4)
	2476+76.36	DR-621	24	UNCL	21	B						1										1144.61		1144.75		48.0		21.0		8										(5)
	RAMP059E																																							
	5654+48.67	DR-621	24	UNCL	10	B																1248.84		1248.72		40.0		10.0												(6)
	STAGE 2A																																							
	US 59																																							
Med	508+52.63	DR-621	24	UNCL	23	B																1258.79		1258.32		43.0		23.0												(7)
Med	508+52.63	DR-621	24	UNCL	7	B															1257.15		1257.30		36.0		7.0												
	524+47.96	DR-621	18	UNCL	21	B						1									1246.40		1245.36	1246.37	98.0		21.0		30										(8)
	529+69.07	DR-621	18	UNCL	34	B						1										1238.77	1238.92	1239.14		155.0		34.0		15										(9)
	STAGE 2B																																							
	US 59																																							
	529+69.07	DR-621	18	UNCL	25	B						1									1243.44		1241.62	1243.43	122.0		25.0		15										(10)
	STAGE 4A																																							
	WOOD ST E																																							
	2476+76.36	DR-621	24	CMP	3	B			1												1145.13		1145.14		34.0		3.0												(11)
	TOTALS:											7																												

BID ITEMS:

APRONS, METAL, 24 IN. DIA.	**1**	**EACH**
CULVERT, CORRUGATED METAL ROADWAY PIPE, 24 IN. DIA.	**3**	**LF**
CULVERT, UNCLASSIFIED ROADWAY PIPE, 18 IN. DIA	**170**	**LF**
CULVERT, UNCLASSIFIED ROADWAY PIPE, 24 IN. DIA	**83**	**LF**
CULVERT, UNCLASSIFIED ROADWAY PIPE, 30 IN. DIA	**11**	**LF**
REMOVE AND REINSTALL CONCRETE PIPE APRONS LESS THAN OR EQUAL TO 36 IN.	**2**	**EACH**
REMOVE AND REINSTALL METAL APRONS LESS THAN OR EQUAL TO 36 IN.	**3**	**EACH**
REMOVE AND REINSTALL CORRUGATED PIPE CULVERT LESS THAN OR EQUAL TO 36 IN.	**7**	**LF**

REMARKS:

(1) Stage 4A: Remove 11ft of UNCL roadway pipe and reinstall existing RCP apron.
(2) Use one 15 degree elbow Rt.
Stage 4A: Plug and abandon.
(3) Remove 7ft of existing CMP and lay 6ft of UNCL roadway pipe. Use one 30 degree elbow LT.
Stage 4A: Remove 6ft of UNCL roadway pipe. Reinstall existing CMP apron and 3ft of existing CMP.
(4) Use one 30 degree elbow Lt.
Stge 4A: Remove 16ft of UNCL roadway pipe and reinstall existing CMP apron.
(5) Use one 7.5 degree elbow Rt.
Stage 4A: Remove 21ft of UNCL roadway pipe and reinstall existing CMP apron.
(6) Stage 4B: Remove 10ft of UNCL roadway pipe and reinstall existing RCP apron.
(7) Stage 4A: Plug and abandon.
(8) Place a DR-625 on inlet end ditch to inlet. Use one 30 degree elbow Lt.
Stage 4A: Plug and abandon.
(9) Use one 15 degree elbow Rt.
Stage 4A: Plug and abandon.
(10) Place a DR-625 on inlet end ditch to inlet. Use one 15 degree elbow Lt.
Stage 4A: Plug and abandon.
(11) Remove 16ft of UNCL roadway pipe and lay 3ft of 24" CMP and place a DR-203 on inlet end ditch to inlet.

CULVERT ABANDONMENT

Refer to Details 4315 and 4316

* Not a bid item

Location Station	Description	Fill Material		4" Perforated Subdrain*	Remarks
		Flowable Mortar	Granular Backfill*		
		CY	TON	LF	
US 59					
508+52.63	Median Pipe	9.1	0.2	8.3	Plug and abandon at the start of Stage 4A
524+47.96	Median Crossing Pipe	16.0	0.1	7.3	Plug and abandon at the start of Stage 4A
529+69.07	Median Crossing Pipe	18.0	0.1	7.3	Plug and abandon at the start of Stage 4A
TOTALS:		**43.1**	0.5	22.9	

103_06
8/15/22

EMBANKMENT WITH MOISTURE CONTROL

Moisture Control is required for all Class 10 fill placed in all locations and depths. Stability berms placed outside the normal foreslope template and topsoil will not require Moisture Control.

103_10
4/30/25

TOPSOIL STRIPPING AND PLACEMENT

Line No.	Road Identification	Dir. of Traffic	Station From	Station To	Topsoil Stripping Thickness (IN)	Topsoil Placement Thickness (IN)	Remarks
1.0	US 59	NB	8471+35.75	8550+53.25	12.0	8.0	
2.0	US 59	SB	7471+35.75	7551+50.00	12.0	8.0	

103_07
8/15/22

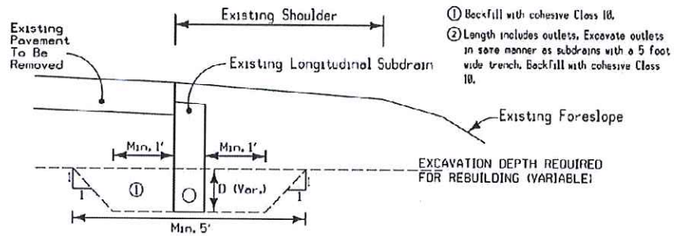
SHRINKAGE DATA

Material	%	Remarks
Topsoil	40.0	
Class 10	30.0	
Boulders	0.0	5 CY

110_19
4/21/26

REMOVAL OF EXISTING LONGITUDINAL SUBDRAINS WHEN EXISTING PAVEMENT IS REMOVED

See Tab 104-9 for tabulation of longitudinal subdrains



① Backfill with cohesive Class 10.

② Length includes outlets. Excavate outlets in same manner as subdrains with a 5 foot wide trench. Backfill with cohesive Class 10.

* Not a bid item.

Line No.	Roadway Identification	Station From	Station To	Side	Length (2) (LF)	Depth (D) (FT)	Excavation Quantity* (CY)	Remarks
1.0	US 59	8472+70.37	8477+98.58	Right	577.4	1.7	119.97	
2.0	US 59	8477+98.58	8483+00.55	Right	544.6	1.7	113.16	
3.0	US 59	8483+00.55	8486+61.44	Right	406.8	1.7	84.52	
4.0	US 59	8488+05.80	8491+89.66	Right	429.8	1.7	89.30	
5.0	US 59	8494+09.48	8300+00.03	Right	636.5	1.7	132.25	
6.0	US 59	8502+49.37	8506+98.85	Right	498.7	1.7	103.62	
7.0	US 59	8520+01.34	8524+01.60	Right	446.2	1.7	92.71	
8.0	US 59	8524+01.60	8527+98.58	Right	446.2	1.7	92.71	
9.0	US 59	7472+70.37	7477+98.58	Left	577.4	1.7	119.97	
10.0	US 59	7477+98.58	7483+00.55	Left	544.6	1.7	113.16	
11.0	US 59	7483+00.55	7487+50.02	Left	534.8	1.7	111.12	
12.0	US 59	7488+05.80	7491+89.66	Left	429.8	1.7	89.30	
13.0	US 59	7492+09.34	7500+00.02	Left	836.6	1.7	173.83	
14.0	US 59	7502+49.37	7508+00.55	Left	597.1	1.7	124.06	
15.0	US 59	7520+01.34	7524+01.60	Left	446.2	1.7	92.71	
16.0	US 59	7524+01.60	7527+98.58	Left	446.2	1.7	92.71	
Total:					8398.9		1745.1	

NOTE: IF ADDITIONAL GRANULAR MATERIAL IS ENCOUNTERED AT THE REQUIRED DEPTH OF EXCAVATION, THEN EXCAVATE DEEPER UNTIL ALL GRANULAR MATERIAL IS REMOVED.

GEOTECHNICAL DESIGN

LICENSED PROFESSIONAL ENGINEER
Mark A. Dell
21208
IOWA

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

Signature — Date: 10/1/26

Mark A. Dell
Printed or Typed Name

My license renewal date is December 31, 20 27

Pages or sheets covered by this seal: CS.1 - CS.3

FILE NO.	ENGLISH	DESIGN TEAM Dell/Fagre	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER CS.1

1/26/2026 11:46:25 AM Marc.Fagee@iowadot.us

LONGITUDINAL SUBDRAIN SHOULDER

* Not a bid item.

Line No.	Road or Lane Identification	Station From	Station To	Side	Depth (IN) (D)	Subdrain Size (IN)	Length (FT)	Outlet Station	Outlet Type	Porous Backfill* (CY)	Remarks
1.0	US 59	472+75.00	475+80.00	Right	42.0	4.0	335.0	472+75.00	DR-306	31.0	
2.0	US 59			Right	42.0	4.0	30.0	475+80.00	DR-306	2.8	
3.0	US 59	476+60.00	480+00.00	Right	42.0	4.0	370.0	476+60.00	DR-306	34.3	
4.0	US 59			Right	42.0	4.0	30.0	480+00.00	DR-306	2.8	
5.0	US 59	480+00.00	485+00.00	Right	42.0	4.0	530.0	480+00.00	DR-306	49.1	
6.0	US 59			Right	42.0	4.0	30.0	485+00.00	DR-306	2.8	
7.0	US 59	485+00.00	490+00.00	Right	24.0	4.0	530.0	485+00.00	DR-306	24.5	
8.0	US 59			Right	24.0	4.0	30.0	490+00.00	DR-306	1.4	
9.0	US 59	490+00.00	495+00.00	Right	24.0	4.0	530.0	490+00.00	DR-306	24.5	
10.0	US 59			Right	24.0	4.0	30.0	495+00.00	DR-306	1.4	
11.0	US 59	495+00.00	501+15.00	Right	24.0	4.0	645.0	495+00.00	DR-306	29.9	
12.0	US 59			Right	24.0	4.0	30.0	501+15.00	DR-306	1.4	
13.0	US 59	502+10.00	506+00.00	Right	24.0	4.0	420.0	502+10.00	DR-306	19.4	
14.0	US 59			Right	24.0	4.0	30.0	506+00.00	DR-306	1.4	
15.0	US 59	506+00.00	4655+40.00	Right	24.0	4.0	465.9	506+00.00	DR-306	21.6	Continue onto Ramp D
16.0	Ramp D			Right	24.0	4.0	30.0	4655+40.00	DR-306	1.4	
17.0	US 59	510+20.00	511+57.75	Right	24.0	4.0	167.8	510+20.00	DR-306	7.8	
18.0	US 59			Right	24.0	4.0	30.0	511+57.75	DR-306	1.4	
19.0	US 59	515+17.44	517+20.00	Right	24.0	4.0	232.6	515+17.44	DR-306	10.8	
20.0	US 59			Right	24.0	4.0	30.0	517+20.00	DR-306	1.4	
21.0	Ramp E	5655+25.00	520+00.00	Right	24.0	4.0	377.4	5655+25.00	DR-306	17.5	Continue onto US 59
22.0	US 59			Right	24.0	4.0	30.0	520+00.00	DR-306	1.4	
23.0	US 59	520+00.00	523+85.00	Right	24.0	4.0	415.0	520+00.00	DR-306	19.2	
24.0	US 59			Right	24.0	4.0	30.0	523+85.00	DR-306	1.4	
25.0	US 59	525+30.00	528+60.00	Right	24.0	4.0	360.0	525+30.00	DR-306	16.7	
26.0	US 59			Right	24.0	4.0	30.0	528+60.00	DR-306	1.4	
27.0	US 59	530+80.00	535+00.00	Right	24.0	4.0	450.0	530+80.00	DR-306	20.8	
28.0	US 59			Right	24.0	4.0	30.0	535+00.00	DR-306	1.4	
29.0	US 59	535+00.00	540+00.00	Right	24.0	4.0	530.0	535+00.00	DR-306	24.5	
30.0	US 59			Right	24.0	4.0	30.0	540+00.00	DR-306	1.4	
31.0	US 59	540+00.00	546+00.00	Right	42.0	4.0	630.0	540+00.00	DR-306	58.3	
32.0	US 59			Right	42.0	4.0	30.0	546+00.00	DR-306	2.8	
33.0	US 59	546+00.00	551+53.02	Right	42.0	4.0	583.0	546+00.00	DR-306	54.0	
34.0	US 59			Right	42.0	4.0	30.0	551+53.02	DR-306	2.8	
35.0	US 59	472+75.00	475+45.00	Left	42.0	4.0	300.0	472+75.00	DR-306	27.8	
36.0	US 59			Left	42.0	4.0	30.0	475+45.00	DR-306	2.8	
37.0	US 59	477+00.00	480+00.00	Left	42.0	4.0	330.0	477+00.00	DR-306	30.6	
38.0	US 59			Left	42.0	4.0	30.0	480+00.00	DR-306	2.8	
39.0	US 59	480+00.00	485+00.00	Left	42.0	4.0	530.0	480+00.00	DR-306	49.1	
40.0	US 59			Left	42.0	4.0	30.0	485+00.00	DR-306	2.8	
41.0	US 59	485+00.00	490+00.00	Left	24.0	4.0	530.0	485+00.00	DR-306	24.5	
42.0	US 59			Left	24.0	4.0	30.0	490+00.00	DR-306	1.4	
43.0	US 59	490+00.00	495+00.00	Left	24.0	4.0	530.0	490+00.00	DR-306	24.5	
44.0	US 59			Left	24.0	4.0	30.0	495+00.00	DR-306	1.4	
45.0	US 59	495+00.00	501+15.00	Left	24.0	4.0	645.0	495+00.00	DR-306	29.9	
46.0	US 59			Left	24.0	4.0	30.0	501+15.00	DR-306	1.4	
47.0	US 59	502+10.00	506+00.00	Left	42.0	4.0	420.0	502+10.00	DR-306	38.9	
48.0	US 59			Left	42.0	4.0	30.0	506+00.00	DR-306	2.8	
49.0	US 59	506+00.00	2652+70.00	Left	42.0	4.0	482.1	506+00.00	DR-306	44.6	Continue onto Ramp B
50.0	Ramp B			Left	42.0	4.0	30.0	2652+70.00	DR-306	2.8	
51.0	US 59	510+00.00	511+50.50	Left	42.0	4.0	180.5	510+00.00	DR-306	16.7	
52.0	US 59			Left	42.0	4.0	30.0	511+50.50	DR-306	2.8	
53.0	US 59	515+20.74	516+80.00	Left	42.0	4.0	189.3	515+20.74	DR-306	17.5	
54.0	US 59			Left	42.0	4.0	30.0	516+80.00	DR-306	2.8	
55.0	Ramp C	3651+30.00	520+00.00	Left	42.0	4.0	517.5	3651+30.00	DR-306	47.9	Continue onto US 59

LONGITUDINAL SUBDRAIN SHOULDER

* Not a bid item.

Line No.	Road or Lane Identification	Station From	Station To	Side	Depth (IN) (D)	Subdrain Size (IN)	Length (FT)	Outlet Station	Outlet Type	Porous Backfill* (CY)	Remarks
56.0	US 59			Left	42.0	4.0	30.0	520+00.00	DR-306	2.8	
57.0	US 59	520+00.00	523+40.00	Left	42.0	4.0	370.0	520+00.00	DR-306	34.3	
58.0	US 59			Left	42.0	4.0	30.0	523+40.00	DR-306	2.8	
59.0	US 59	525+70.00	530+70.00	Left	42.0	4.0	530.0	525+70.00	DR-306	49.1	
60.0	US 59			Left	42.0	4.0	30.0	530+70.00	DR-306	2.8	
61.0	US 59	530+70.00	535+00.00	Left	24.0	4.0	460.0	530+70.00	DR-306	21.3	
62.0	US 59			Left	24.0	4.0	30.0	535+00.00	DR-306	1.4	
63.0	US 59	535+00.00	540+00.00	Left	24.0	4.0	530.0	535+00.00	DR-306	24.5	
64.0	US 59			Left	24.0	4.0	30.0	540+00.00	DR-306	1.4	
65.0	US 59	540+00.00	546+00.00	Left	24.0	4.0	630.0	540+00.00	DR-306	29.2	
66.0	US 59			Left	24.0	4.0	30.0	546+00.00	DR-306	1.4	
67.0	US 59	546+00.00	551+53.02	Left	24.0	4.0	583.0	546+00.00	DR-306	27.0	
68.0	US 59			Left	24.0	4.0	30.0	551+53.02	DR-306	1.4	
Total:							16349.1		DR-306: 68	1069.9	

1 - NOTE: ALL LONGITUDINAL SUBDRAINS ARE TYPE 7 WITH PCC OR TYPE 8 WITH HMA (ACC) UNLESS OTHERWISE NOTED IN REMARKS COLUMN.

2 - NOTE: ALL LONGITUDINAL SUBDRAIN MAY BE ADJUSTED BOTH VERTICALLY AND HORIZONTALLY IN THE FIELD AS NECESSARY

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

Sub-Surface Utility Mapping Quality Level is in accordance with CI/ASCE 38-02 Standard Guidelines for the Collection and Depiction of Existing Subsurface Utility Data.

Remark Abbreviations
QLA Quality Level A Highest guideline quality level
QLD Quality Level D Lowest guideline quality level

W2	Avoca, City of
SAN.	Avoca, City of
E2	Avoca, City of
FO3	Centurylink
FO	Farmers Mutual Telephone
FO6	ICN
E1	MidAmerican-Electric
G	MidAmerican-Gas
W	Regional Water Inc
FO4	Mediacom Cable
FO2	Windstream Communications
FO5	Marne Elk Horn Walnut Telephone Company
FO7	DOT/ICN
Not Marked	Iowa DOT Electric

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.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER D.1

10:35:14 AM 10/20/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\LGD_78059056Z06.dgn

Knox TWP.
T-77N R-39W
SEC. 09

Δ = 32°51'13.03" (LT)
T = 431.92'
L = 840.04'
R = 1465.00'
E = 62.34'
e = ___
L = ___
x = ___

Δ = 32°51'13.03" (LT)
T = 431.92'
L = 840.04'
R = 1465.00'
E = 62.34'
e = ___
L = ___
x = ___

7470+00
470+00
7475+00
475+00
480+00
7480+00
8475+00
8480+00

PI 467+27.63
PT 471+35.75
PT 7471+35.75

Do Not Disturb Fence and Gate
+22.00 Prop. Type "C" Ent.
UAC
30"x53'
Conc. Pipe
Protect Fence
Wood St.
UAC
Entrance
POT STA 476+34.84 (ML059)
= POT STA 2476+34.84 (SRWOODWEST)
Do Not Disturb
Power Pole

POT STA 471+35.75 (ML059)
= POT STA 7471+35.75 (ML059SB)
= POT STA 8471+35.75 (ML059NB)
STA 471+35.75 (ML059)
BEGIN CONSTRUCTION

59

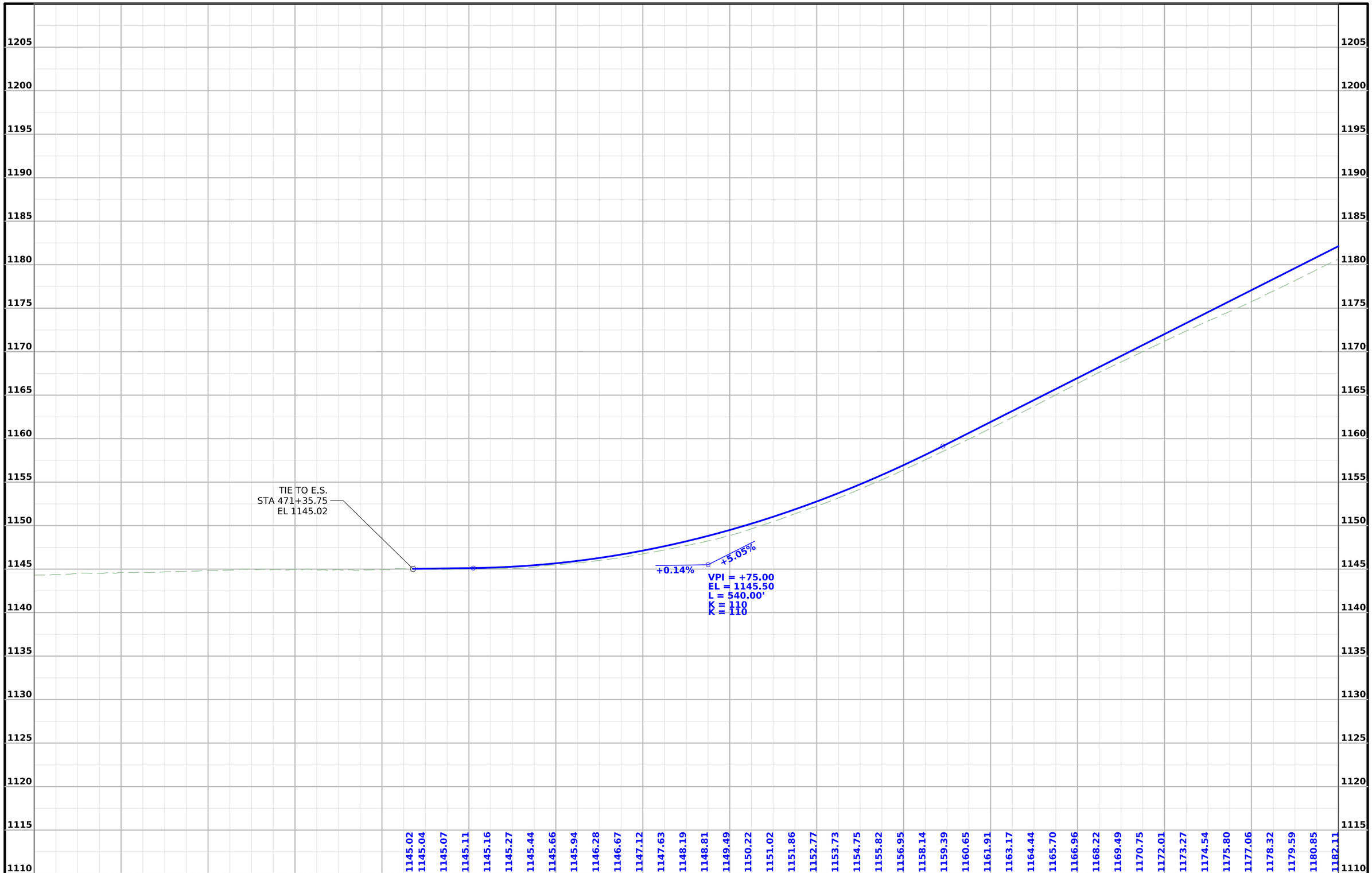
UAC
Entrance
Temporary Limit of Construction
E Wilson St.
POB 8471+35.75
Pershing St.
POT STA 472+11.23 (ML059)
= POT STA 1472+10.50 (SRPERSHING)
UAC
12"x57'
Conc. Pipe
Stage 1 Sta. 472+65.34 (ML059) RT
Extend with 24" x 11' UNCL
Stage 4A Sta. 472+65.34 (ML059) RT
Remove 11';
Reinstall Apron
Sta. 8472+65.4 (SURMLANB59)
30"x55' RCP
W/ 36" x 20ft HDPE Ext.
D.A.=64 A-H Plan
N Cherry St.
POT STA 476+22.96 (ML059)
= POT STA 2476+22.96 (SRWOODEAST)
Wood St.

0 50
FEET

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER D.2	

10:36:37 AM 10/20/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\D02_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies



FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER D.3

10:36:44 AM 10/20/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\D02_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies

Knox TWP.
T-77N R-39W
SEC. 09

Knox TWP.
T-77N R-39W
SEC. 04

UAC
24"x49'
C.M.P.

Δ = 02°50'19.62" (LT)
T = 427.49'
L = 854.80'
R = 17252.57'
E = 5.30'
e = ___
L = ___
x = ___

Δ = 03°41'55.86" (LT)
T = 445.60'
L = 890.89'
R = 13800.00'
E = 7.19'
e = ___
L = ___
x = ___

7485+00
485+00
7490+00
490+00
7495+00
495+00
8485+00
8490+00
8495+00

Do Not Disturb
Power Pole

Temporary Limit of Construction

PC 491+55.81
PC 491+42.85
PC 7491+72.72

+49.00 Prop.
Type "C" Ent.

PI 496+01.40

PI 7496+00.21

PI 8496+02.34

UAC Existing Dike

Remove
Sta. 486+73.96 (ML059)
Sta. 8486+74.1 (SURMLANB59)
12"x51' RCP
D.A.=Median

UAC
Sta. 488+03.89 (ML059)
Sta. 8488+04.1 (SURMLANB59)
24"x122' RCP
D.A.=5.0 A-H Plan

UAC
Sta. 492+03.99 (ML059)
Sta. 8492+04.2 (SURMLANB59)
30"x141' RCP
D.A.=10.0 A-H Plan

Remove
Sta. 494+02.85 (ML059)
Sta. 8494+03.4 (SURMLANB59)
24"x47' RCP
D.A.=Median

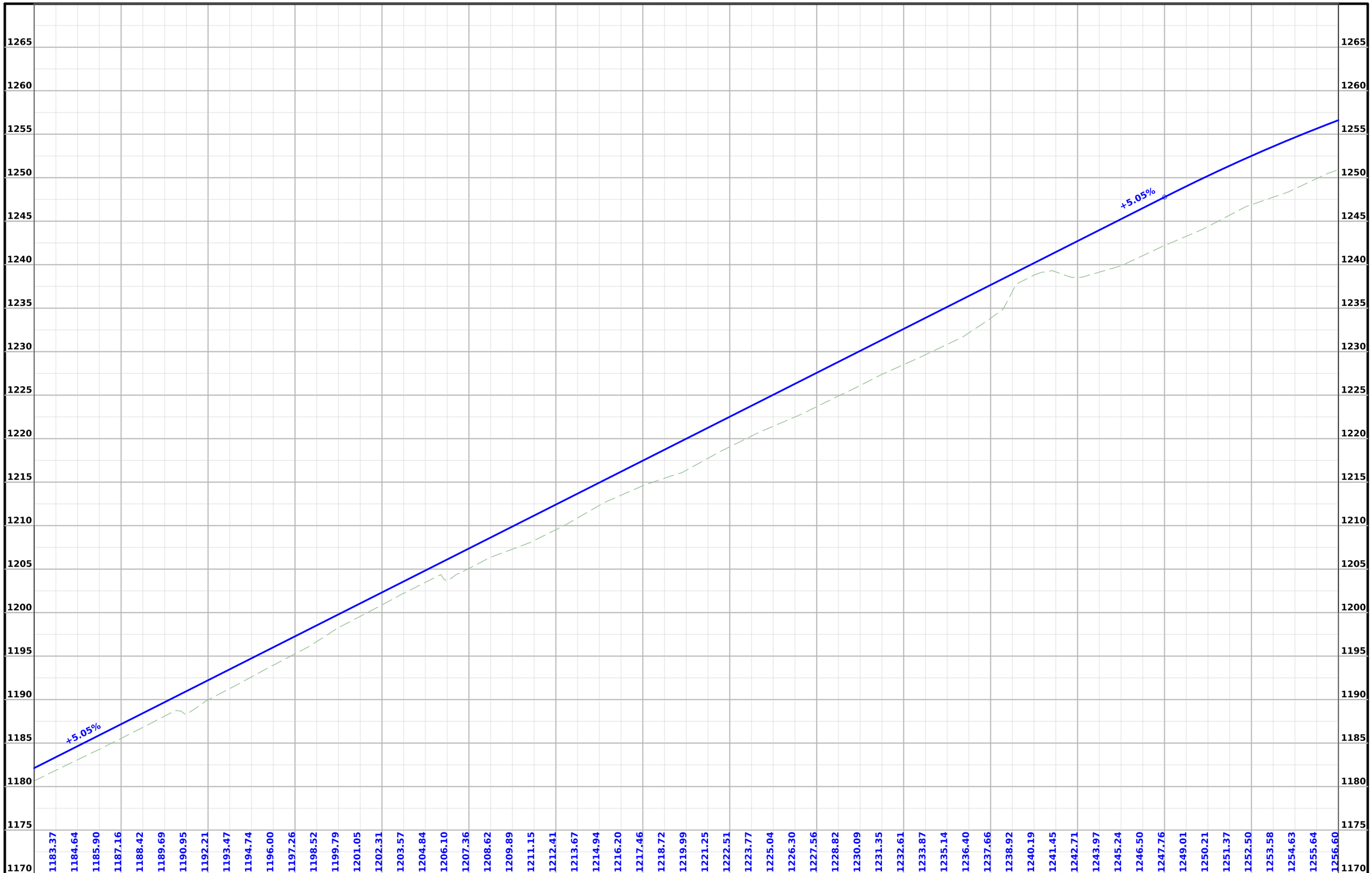
Δ = 04°33'32.09" (LT)
T = 457.88'
L = 915.29'
R = 11503.17'
E = 9.11'
e = ___
L = ___
x = ___

0 50
FEET

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER D.4	

10:36:46 AM 10/20/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\D02_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies



FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER D.5

10:36:48 AM 10/20/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\D02_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies

Δ = 02°50'19.62" (LT)
T = 427.49'
L = 854.80'
R = 17252.57'
E = 5.30'
e = ___
L = ___
x = ___

Δ = 03°41'55.86" (LT)
T = 445.60'
L = 890.89'
R = 13800.00'
E = 7.19'
e = ___
L = ___
x = ___

UAC
18"x25'
C.M.P.

Knox TWP.
T-77N R-39W
SEC. 04

Stage 2A Sta. 508+52.63 (ML059) RT
Extend with 24" x 23' UNCL;
Stage 2A Sta. 508+52.63 (ML059) LT
Extend with 24" x 7' UNCL;
Stage 4A Sta. 508+52.63 (ML059)
Plug and abandon
Sta. 7508+48.75 (SURMLASB59)
24"x49' RCP
D.A.=Median

7500+00
500+00
7505+00
505+00
7510+00
510+00

PT 7500+47.52
PT 500+46.69
PT 8500+53.74

+66.66 Prop
Type "C" Ent.

Do Not Disturb
Power Pole

POT STA 509+45.99 (ML059)
= POT STA 2653+79.99 (RMP059B)

STA 511+54.38 (ML059)
STOP CONSTRUCTION

STA 510+60.00(ML059)
STOP CONSTRUCTION

Ramp B

59

7496+88.21

UAC

Lavista Rd

8500+00
8505+00
8510+00

N Lavista Heights Rd

POT STA 501+66.91 (ML059)
= POT STA 3501+66.91 (SRLAVISTA)

UAC Existing Dike

POT STA 508+56.84 (ML059)
= POT STA 4653+61.49 (RMP059D)

Ramp D

STA 511+57.16 (ML059)
STOP CONSTRUCTION

Remove
Sta. 8509+43.4 (SURMLANB59)
18"x65' RCP
D.A.=Median

UAC
BA-202 Bolted End Anchors

UAC
Sta. 504+36.10 (ML059)
Sta. 8504+36.7 (SURMLANB59)
30"x166' RCP
D.A.=8.0 A-H Plan

0 50
FEET

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER D.6	

10:36:51 AM 10/20/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\D02_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies

VPI = +75.00
EL = 1271.75
L = 950.00'
K = 159
K = 159

+5.05%

-0.93%

STOP ML059 CONSTRUCTION
STA 510+60.00
EL 1261.70

START ML059NB CONSTRUCTION
STA 510+60.00
EL 1260.74

ML059NB

-0.75%

-1.07%

START ML059SB CONSTRUCTION
STA 510+60.00
EL 1260.74

ML059SB

VPI = +57.16
EL = 1260.00
L = 97.16

VPI = +54.38
EL = 1259.73
L = 94.38

1295 1290 1285 1280 1275 1270 1265 1260 1255 1250 1245 1240 1235 1230 1225 1220 1215 1210 1205 1200

1257.53 1258.42 1259.27 1260.08 1260.85 1261.58 1262.28 1262.93 1263.54 1264.12 1264.65 1265.15 1265.61 1266.02 1266.40 1266.74 1267.04 1267.30 1267.52 1267.70 1267.84 1267.94 1268.01 1268.03 1268.02 1267.96 1267.87 1267.74 1267.56 1267.35 1267.12 1266.89 1266.66 1266.42 1266.19 1265.96 1265.73 1265.50 1265.27 1265.04 1264.80 1264.57 1264.34 1264.11 1263.88 1263.65 1263.41 1263.18 1262.95 1262.72 1262.49 1262.26 1262.03 1261.79 1260.74 1260.58 1260.63 1260.31 1260.44 1260.04 1260.25 1259.78 1260.06 1259.56 1259.85 1259.36 1259.64

498+00 499+00 500+00 501+00 502+00 503+00 504+00 505+00 506+00 507+00 508+00 509+00 510+00 511+00 512+00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER D.7

10:36:54 AM 10/20/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\D02_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies

UAC
Sta. 525+00.78 (ML059)
Sta. 8525+00.0 (SURMLANB59)
4'x5'x74.8' RCB
W/ 4'x5'x129.3' Inet Ext.,
4'x5'x82' Outlet Ext., and
60"x 180' RCP Outlet Ext.
D.A.=50.0 A-H

Δ = 01°30'32.79" (RT)
T = 306.57'
L = 613.11'
R = 23277.80'
E = 2.02'
e = ___
L = ___
x = ___

UAC
15"x203'
Conc. Pipe

POT STA 517+42.47 (ML059)
= POT STA 3653+56.06 (RMP059C)

STA 515+24.62 (ML059)
RESUME CONSTRUCTION

UAC
BA-202 Bolted End Anchors

Knox TWP.
T-77N R-39W
SEC. 04

POT STA 524+62.44 (ML059)
= POT STA 4424+62.44 (SRMARTY)

Ramp C

Marty Drive

PC 520+63.83

PC 7520+59.25

PI 7523+67.01

PI 525+70.41

PT 526+76.95

PT 7526+76.95

Ramp E

PC 8520+63.43

PI 8523+70.51

PT 8526+76.56

+45.62 Prop. Type "C" Ent.

STA 516+60.00 (ML059)
RESUME CONSTRUCTION

STA 515+16.85 (ML059)
RESUME CONSTRUCTION

UAC
Sta. 516+39.13 (ML059)
Sta. 8516+39.7 (SURMLANB59)
24"x46' RCP
D.A.=Median

POT STA 518+44.47 (ML059)
= POT STA 5653+32.53 (RMP059E)

Remove
Sta. 517+68.81 (ML059)
Sta. 8517+69.4 (SURMLANB59)
24"x46' RCP
D.A.=Median

UAC
24"x110'
Conc. Pipe

Δ = 01°30'32.79" (RT)
T = 306.09'
L = 612.14'
R = 23240.80'
E = 2.02'
e = ___
L = ___
x = ___

UAC
36"x46'
Conc. Pipe

Remove
Sta. 525+13.03 (ML059)
Sta. 8525+12.9 (SURMLANB59)
24"x103' RCP
D.A.=Median

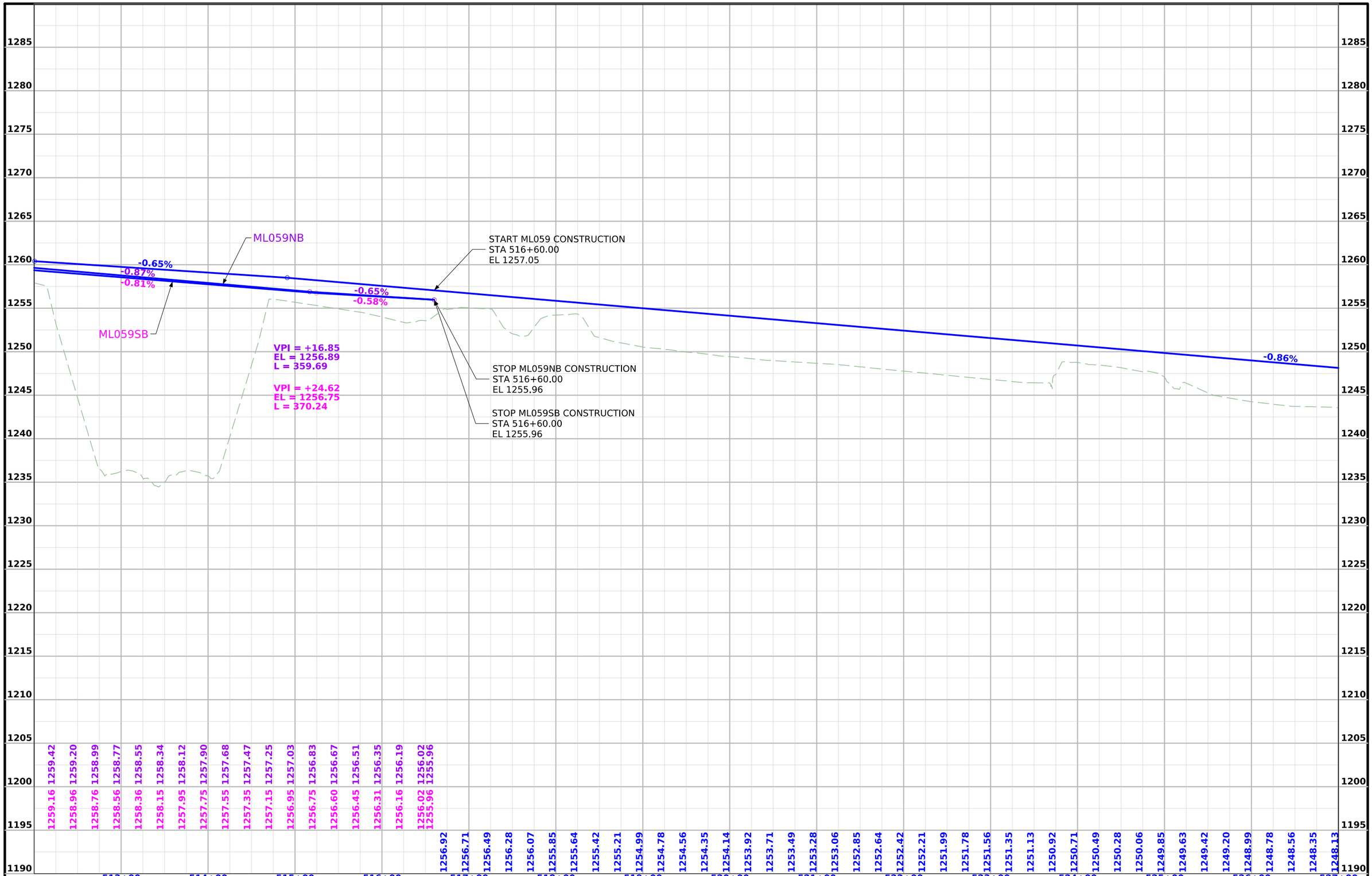
Stage 1 Sta. 524+47.96 (ML059) RT
Extend with 24" x 90' UNCL;
Stage 2A Sta. 524+47.96 (ML059) LT
Extend with 24 " x 21' UNCL;
Stage 4A Sta. 524+47.96 (ML059)
Plug and abandon
18"x135'
C.M.P.

0 50
FEET

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER D.8	

10:36:56 AM 10/20/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\D02_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies



FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER D.9

10:38:35 AM 10/20/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\D02_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies

Stage 2A Sta. 529+69.07 (ML059) RT
Extend with 18" x 34' UNCL;
Stage 2B Sta. 529+69.07 (ML059) LT
Extend with 18" x 25' UNCL;
Stage 4A Sta. 529+69.07 (ML059)
Plug and abandon
18"x218'
C.M.P.

UAC
24"x42'
C.M.P.

Knox TWP.
T-77N R-39W
SEC. 04

Δ = 02°07'57.44" (LT)
T = 314.56'
L = 629.04'
R = 16900.00'
E = 2.93'
e = ___
L = ___
x = ___

POT STA 529+76.51 (ML059)
= POT STA 2+79.23 (ENT1034L)

Do not Disturb
Power Pole

+76.50 Prop.
Type "C" Ent.

PT 529+76.95

PT 7526+74.04

530+00

7530+00

PC 533+25.61

535+00

7535+00

PI 536+40.17

PRC 539+54.65

540+00

7540+00

PC 7540+25.17

Do Not Disturb
Power Pole

PI 8541+33.58

PC 8538+82.45

59

59

PT 8526+76.56

York Rd.

8530+00

8535+00

8540+00

PI 8540+10.59

POT STA 529+68.38 (ML059)
= POT STA 5529+68.38 (SRYORK)

Temporary Limit of Construction

Δ = 05°04'55.32" (LT)
T = 128.14'
L = 256.10'
R = 2887.37'
E = 2.84'
e = ___
L = ___
x = ___

Remove
Sta. 542+05.74 (ML059)
Sta. 8542+04.70 (SURMLANB59)
24" x 47' RCP
D.A.=Median

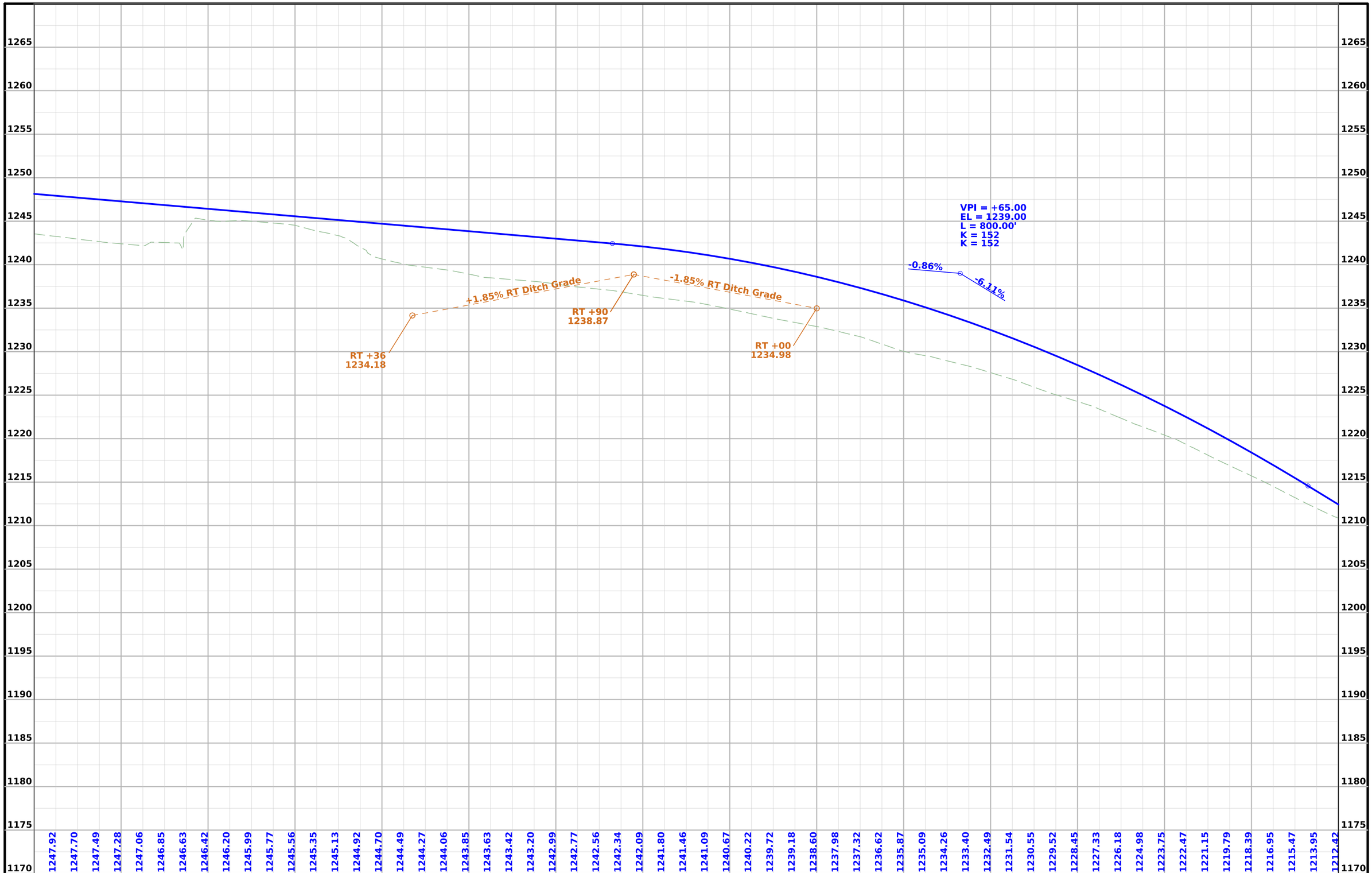
UAC
Sta. 531+36.30 (ML059)
Sta. 8531+35.9 (SURMLANB59)
42"x229' RCP
D.A.=14 A-VH

0 50
FEET

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER D.10	

10:38:38 AM 10/20/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\D02_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies



FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER D.11

10:40:15 AM 10/20/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\D02_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies

Knox TWP.
T-77N R-39W
SEC. 04

Fairview TWP.
T-78N R-39W
SEC. 33

Δ = 03°43'18.66" (RT)
T = 549.09'
L = 1097.80'
R = 16900.00'
E = 8.92'
e = ___
L = ___
x = ___

Δ = 01°35'21.22" (RT)
T = 300.03'
L = 600.02'
R = 21632.39'
E = 2.08'
e = ___
L = ___
x = ___

7545+00
545+00
7550+00
550+00
7555+00
555+00

Do Not Disturb
Power Pole

Do Not Disturb
Power Pole

Do Not Disturb
Power Pole

PI 7543+23.30

PI 545+03.74

PI 8546+25.19

PI 8547+22.97

PT 550+52.45

POT STA 550+52.38 (ML059)
= POT STA 8550+53.18 (ML059NB)
= POT STA 7550+49.36 (ML059SB)

STA 551+53.00 (ML059)
BEGIN SHOULDER CONSTRUCTION

+75.00 Prop
Type "C" Ent.

STA 556+35.00 (ML059)
END SHOULDER CONSTRUCTION

UAC
30"x40'
C.M.P.

UAC
Sta. 7556+74.68
5'x3.2'x84' RCB
D.A.=75 A-H

59

59

FO

F06

PC 8543+90.57

8545+00

8550+00

POT 8550+54.42

UAC

Temporary Limit of Construction

Δ = 06°40'16.54" (RT)
T = 332.30'
L = 663.85'
R = 5701.42'
E = 9.68'
e = ___
L = ___
x = ___

STA 551+53.00 (ML059)
END CONSTRUCTION

STA 551+53.00 (ML059)
BEGIN SHOULDER CONSTRUCTION

STA 555+40.00 (ML059)
END SHOULDER CONSTRUCTION

Remove
Sta. 542+05.74 (ML059)
Sta. 8542+04.70 (SURMLANB59)
42"x229' RCP
D.A.=14 A-VH

0 50
FEET

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER D.12	

10:40:18 AM 10/20/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\D02_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies



FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER D.13

10:41:56 AM 10/20/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\D02_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies

Knox TWP.
T-77N R-39W
SEC. 09

59

Stage 1 Sta. 1472+49.53 (SRPershing) RT
Remove 7';
Extend with 24" x 6' UNCL
Stage 4A Sta. 1472+49.53 (SRPershing) RT
Remove 6';
Reinstall 24" x 3' CMP and Apron
Sta. 8472+10.7 (SURMLANB59)
37.9 RT
24"x69' CMP

UAC
30"x53'
Conc. Pipe

STA 1472+23.63 (SRPERSHING)
BEGIN CONSTRUCTION

STA 1472+55.00 (SRPERSHING)
END CONSTRUCTION

+22.00 Prop.
Type "C" Ent.

Pershing St.

POB 1472+10.50

1473+00

POE 1473+10.50

POT STA 1472+10.50 (SRPERSHING)
= POT STA 472+11.23 (ML059)

UAC
12"x57'
Conc. Pipe

Temporary Limit of Construction

0 20
FEET

Pershing St.

TIE TO E.S.
Sta. 1472+23.63
Elev. 1145.03

TIE TO E.S.
Sta. 1472+55.00
Elev. 1145.09

-0.90%

+1.39%

VPI = +40.00
EL = 1144.89
L = 27.42'
K = 12

1150
1145
1140
1135

1145.02
1145.03
1145.09

1470+00 1471+00 1472+00 1473+00 1474+00 1475+00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER E.1

2:30:29 PM 9/22/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\E01_78059056Z06.dgn

Imagery ©2026 Airbus

Knox TWP.
T-77N R-39W
SEC. 09

UAC
Sta. 2475+61.55 (SRWoodWest)
Sta. 7476+33.3 (SURMLASB59)
65.7 LT
24"x106' CMP

2472+00 2473+00 2474+00 2475+00 2476+00 2477+00

UAC
Entrance

STA 2476+15.34 (SRWOODWEST)
END CONSTRUCTION

STA 2474+90.00 (SRWOODWEST)
BEGIN CONSTRUCTION

POE 2476+34.84

59

Wood St. West

Wood St. East

POB 2471+72.54

+85.00 Prop.
Type "C" Ent.

Temporary Limit of Construction

Do Not Disturb Fence

POT STA 2476+34.84 (SRWOODWEST)
= POT STA 476+34.84 (ML059)

0 20
FEET

Wood St. West

TIE TO E.S.
STA 2474+90.00
EL 1150.38

TIE TO E.S.
STA 2476+15.34
EL 1153.68

+2.70%

+2.10%

1155
1150
1145
1140

1150.38 1150.65 1151.33 1152.01 1152.68 1153.36 1153.68

2472+00 2473+00 2474+00 2475+00 2476+00 2477+00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER E.2

2:30:49 PM 9/22/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\E02_78059056Z06.dgn

Imagery ©2026 Airbus

Knox TWP.
T-77N R-39W
SEC. 09

UAC
Sta. 2475+61.55 (SRWoodWest)
Sta. 7476+33.3 (SURMLASB59)
65.7 LT
24"x106' CMP

UAC
Entrance

Wood St. West

Wood St. East

59

2477+00

POB 2476+22.96

POT STA 2476+22.96 (SRWOODEAST)
= POT STA 476+22.96 (ML059)

STA 2476+42.27 (SRWOODEAST)
BEGIN CONSTRUCTION

STA 2476+95.00 (SRWOODEAST)
END CONSTRUCTION

POE 2477+30.27

Temporary Limit of Construction

Do Not Disturb Fence

Stage 1 Sta. 2476+76.36 (SRWoodEast) LT
Extend with 24" x 16' UNCL
Stage 1 Sta. 2476+76.36 (SRWoodEast) RT
Extend with 24" x 21' UNCL
Stage 4A Sta. 2476+76.36 (SRWoodEast) LT
Remove 16';
Extend with 24" x 3' CMP
Stage 4A Sta. 2476+76.36 (SRWoodEast) RT
Remove 21' and reinstall apron
Sta. 8476+23.4 (SURMLANB59)
46.1 RT
24"x57' CMP

0 20
FEET

Wood St. East

TIE IN
STA 2476+42.27
EL 1153.21

TIE IN
STA 2476+95.00
EL 1152.76

-2.19%

+0.50%

VPI = +68.84
EL = 1152.63
L = 50.00'
K = 19

1155
1150
1145
1140

1153.21
1153.05
1152.75
1152.76

2474+00 2475+00 2476+00 2477+00 2478+00 2479+00 2480+00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER E.3

2:31:06 PM 9/22/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\E03_78059056Z06.dgn

Imagery ©2026 Airbus

Knox TWP.
T-77N R-39W
SEC. 04

59

59

3502+00

3503+00

STA 3502+15.91 (SRLAVISTA)
BEGIN CONSTRUCTION

STA 3502+42.00 (SRLAVISTA)
END CONSTRUCTION

+66.66 Prop.
Type "C" Ent.

N Lavista Heights Rd.

UAC
18"x25"
C.M.P.

POB 3501+66.91

POE 3503+53.91

POT STA 3501+66.91 (SRLAVISTA)
= POT STA 501+66.91 (ML059)

FO

FENCE

SIGN

0 20
FEET

N Lavista

TIE IN
STA 3502+15.91
EL 1266.29

TIE IN
STA 3502+42.00
EL 1266.42

-1.10%

+1.85%

VPI = +28.00
EL = 1266.16
L = 22.00'
K = 7

1270
1265
1260
1255

1266.29
1266.23
1266.42

3500+00
3501+00
3502+00
3503+00
3504+00
3505+00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER E.4

2:31:31 PM 9/22/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\E04_78059056Z06.dgn

Imagery ©2026 Airbus

UAC
Sta. 8525+00.0
4'x5'x74.8' RCB
W/ 4'x5'x129.3' Inet Ext.,
4'x5'x82' Outlet Ext., and
60"x 180' RCP Outlet Ext.
(Best fit using Plan Stationing
and Elevations)
D.A.=50.0 A-H

POT STA 4424+62.44 (SRMARTY)
= POT STA 524+62.44 (ML059)

PI 4423+20.12

Knox TWP.
T-77N R-39W
SEC. 04

Marty Dr.

PC 4422+78.83
POB 4422+73.97

PT 4423+59.13

UAC
15"x203'
Conc. Pipe

STA 4423+73.39 (SRMARTY)
END CONSTRUCTION

STA 4424+13.41 (SRMARTY)
BEGIN CONSTRUCTION

Δ = 34°09'51.74" (RT)
T = 41.49'
L = 80.50'
R = 135.00'
E = 6.23'
e = ___
L = ___
x = ___

POE 4424+62.44

+45.62 Prop.
Type "C" Ent.

59

UAC
24"x110'
Conc. Pipe

0 20
FEET

Marty Dr.

TIE TO E.S.
STA 4423+73.39
EL 1248.39

TIE TO E.S.
STA 4424+13.41
EL 1249.02

1.60%

1250
1245
1240
1235

1248.39
1248.49
1248.81
1249.02

4421+00
4422+00
4423+00
4424+00
4425+00
4426+00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER E.5	

2:31:50 PM 9/22/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\E05_78059056Z06.dgn

Imagery ©2026 Airbus

Knox TWP.
T-77N R-39W
SEC. 04

59

59

5530+00

5531+00

5532+00

5533+00

5534+00

+76.50 Prop.
Type "C" Ent.
24" Uncl. Pipe

York Rd.

STA 5530+17.39 (SRYORK)
BEGIN CONSTRUCTION

STA 5531+45.00 (SRYORK)
END CONSTRUCTION

POE 5534+09.91

POT STA 5529+68.38 (SRYORK)
≙ POT STA 529+68.38 (ML059)

Temporary Limit of Construction

0 20
FEET

York Rd.

TIE TO E.S.
STA 5530+17.39
EL 1244.68

TIE TO E.S.
STA 5531+45.00
EL 1245.48

-1.00%

+2.20%

VPI = +80.00
EL = 1244.05
L = 115.00'
K = 36

1250
1245
1240
1235

5529+00 5530+00 5531+00 5532+00 5533+00 5534+00

1244.68 1244.65 1244.50 1244.45 1244.51 1244.69 1244.98 1245.37 1245.48

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER E.6

2:32:06 PM 9/22/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\E06_78059056Z06.dgn

Imagery ©2026 Airbus

Knox TWP.
T-77N R-39W
SEC. 09

7466+00
7467+00
7468+00
7469+00
7470+00
7471+00

466+00
467+00
468+00
469+00
470+00
471+00

STA: 467+40.71 18.30' RT (ML059)
= STA: 7467+40.71 18.30' RT (SURML059SB)

STA: 470+86.18 12.00' RT (ML059)
= STA: 7470+86.18 12.00' RT (SURML059SB)

STA: 467+28.45 12.00' RT (ML059)
=STA: 7467+28.45 12.00' RT(SURML059SB)

STA: 468+01.43 12.00' RT (ML059)
= STA: 7468+01.43 12.00' RT (SURML059SB)

STA: 470+19.33 12.00' RT (ML059)
= STA: 7470+19.33 12.00' RT (SURML059SB)

FO

Special Shaping

59

US 59 SB

US 59 NB

Uniform Transition

3%

1%

Uniform Transition

3%

2%

Constant Slope

1%

STA: 466+50.00 12.00' RT (ML059)
= STA: 7466+50.00 12.00' RT (SURML059SB)

STA: 466+50.00 , 15.00' RT (ML059)
= STA: 7466+50.00, 15.00' RT (SURML059SB)

Special Shaping

E Wilson St.

Special Shaping

Special Shaping

STA: 467+90.00 20.27' RT (ML059)
= STA: 7467+90.00 20.27' RT (SURML059SB)

STA: 470+37.06 30.16' RT(ML059)
= STA: 7470+37.06 30.16' RT(SURML059SB)

STA: 470+71.90 31.55' RT (ML059)
= STA: 7470+71.89 31.55' RT (SURML059SB)

0 20
FEET

US 59 Detour Pavement
Stage 1
(Sheet 1 of 10)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER F.1

3:15:16 PM 9/24/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\F01_78059056Z06.dgn

Imagery ©2026 Airbus

Knox TWP.
T-77N R-39W
SEC. 09

STA: 471+72.21 12.57' RT (ML059)
= STA: 8471+73.66 12.00' RT (SURML059NB)

STA: 472+53.92 13.78' RT (ML059)
= STA: 8472+54.11 12.00' RT (SURML059NB)

STA: 476+53.00 19.77' RT (ML059)
= STA: 8476+53.22 12.00' RT (SURML059NB)

Protect Fence

STA: 475+82.30 18.71' RT (ML059)
=STA: 8475+82.53 12.00' RT (SURML059NB)

7471+00
471+00
472+00
473+00
474+00
475+00
476+00
477+00

Wood St.

Special Shaping

US 59 SB
US 59 NB
59

Constant Slope
1%
Uniform Transition
3%
Constant Slope
3%
Special Shaping
Constant Slope

STA: 472+74.88 34.00' RT (ML059)
= STA: 8472+75.38 31.91' RT (SURML059NB)

STA: 472+20.64 34.00' RT (ML059)
= STA: 8472+21.15 32.73' RT (SURML059NB)

Pershing St.

STA: 475+24.60 44.00' RT (ML059)
=STA: 8475+25.22 38.45' RT (SURML059NB)

Special Shaping

8472+00
8473+00
8474+00
8475+00
8476+00
8477+00

Wood St.

STA: 471+35.14 34.00' RT(ML059)
STA: 7471+35.14 34.00' RT(SURML059SB)

STA: 471+97.67 34.00' RT (ML059)
= STA: 8471+98.18 33.07' RT (SURML059NB)

STA: 476+06.95 44.00' RT (ML059)
=STA: 8476+07.56 37.10' RT (SURML059NB)

STA: 476+34.78 44.00' RT (ML059)
=STA: 8476+35.39 36.50' RT (SURML059NB)

Stage 1 Sta. 1472+49.53 (SRPershing) RT
Remove 7';
Extend with 24" x 6' UNCL
Sta. 8472+10.7 (SURMLANB59)
37.9 RT
24"x69' CMP

Stage 1 Sta. 472+65.34 (ML059) RT
Extend with 24" x 11' UNCL
Sta. 8472+65.4 (SURMLANB59)
30"x55' RCP
W/ 36" x 20ft HDPE Ext.
D.A.=64 A-H Plan

Stage 1 Sta. 2476+76.36 (SRWoodEast) LT
Extend with 24" x 16' UNCL
Stage 1 Sta. 2476+76.36 (SRWoodEast) RT
Extend with 24" x 21' UNCL
Sta. 8476+23.4 (SURMLANB59)
46.1 RT
24"x57' CMP

0 20
FEET

US 59 Detour Pavement
Stage 1
(Sheet 2 of 10)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER F.2

3:15:26 PM 9/24/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\F01_78059056Z06.dgn

Imagery ©2026 Airbus

Knox TWP.
T-77N R-39W
SEC. 09

N

FO

FO

477+00 478+00 479+00 480+00 481+00 482+00 483+00

US 59 SB

59

US 59 NB

Constant Slope

3%

Constant Slope

3%

Constant Slope

8477+00 8478+00 8479+00 8480+00 8481+00 8482+00 8483+00

STA: 480+18.55 44.00' RT (ML059)
= STA: 8480+19.09 30.74' RT (SURML059NB)

0 20
FEET

US 59 Detour Pavement
Stage 1
(Sheet 3 of 10)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER F.3

3:15:29 PM 9/24/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\F01_78059056Z06.dgn

Imagery ©2026 Airbus

Knox TWP.
T-77N R-39W
SEC. 09

STA: 484+66.00 32.00' RT (ML059)
= STA: 8484+65.59 12.00' RT (SURML059NB)

483+00
484+00
485+00
486+00
487+00
488+00

US 59 SB

US 59 NB

Constant Slope

3%
3%

8483+00
8484+00
8485+00
8486+00
8487+00
8488+00

STA: 484+66.00 34.00' RT (ML059)
= STA: 8484+65.59 14.00' RT (SURML059NB)

Remove
Sta. 486+73.96 (ML059)
Sta. 8486+74.1 (SURMLANB59)
12"x51' RCP
D.A.=Median

UAC
Sta. 488+03.89 (ML059)
Sta. 8488+04.1 (SURMLANB59)
24"x122' RCP
D.A.=5.0 A-H Plan

0 20
FEET

US 59 Detour Pavement
Stage 1
(Sheet 4 of 10)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER F.4

3:15:31 PM 9/24/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\F01_78059056Z06.dgn

Imagery ©2026 Airbus

Knox TWP.
T-77N R-39W
SEC. 04

UAC
Sta. 7508+48.75 (SURMLASB59)
24"x49' RCP
D.A.=Median

STA: 508+96.18 25.00' RT (ML059)
= STA: 8508+96.77 12.50' LT (SURML059NB)

STA: 509+57.37 24.00' LT (ML059)
= STA: 7509+53.49 12.50' RT (SURML059SB)

Special Shaping

Ramp B

Ramp D

R=80'

R=75'

2%

Uniform Transition

Uniform Transition

2%

US 59 SB

US 59 NB

507+00
508+00
509+00
510+00
511+00
512+00

8507+00
8508+00
8509+00
8510+00
8511+00
8512+00

59

STA: 509+96.59 25.00' RT (ML059)
= STA: 8509+97.18 12.50' LT (SURML059NB)

Remove
Sta. 8509+43.4 (SURMLANB59)
18"x65' RCP
D.A.=Median

0 20
FEET

US 59 DET 509
Stage 1
(Sheet 5 of 10)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER F.5	

3:15:41 PM 9/24/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\F01_78059056Z06.dgn

Imagery ©2026 Airbus

Knox TWP.
T-77N R-39W
SEC. 04

Ramp C

FO

STA: 517+34.92 25.00' LT (ML059)
= STA: 7517+31.04 12.50' RT (SURML059SB)

515+00 516+00 517+00 518+00 519+00 520+00

US 59 SB

Special Shaping

R=75'

2%

R=75'

STA: 518+09.58 0.00' RT (ML059)
= STA: 8518+10.13 12.50' LT (SURML059NB)

59

Uniform Transition

2%

Uniform Transition

US 59 NB

STA: 517+02.01 25.00' RT (ML059)
= STA: 8517+02.60 12.50' LT (SURML059NB)

F06

8515+00 8516+00 8517+00 8518+00 8519+00 8520+00

Ramp E

F02

UAC
Sta. 516+39.13 (ML059)
Sta. 8516+39.7 (SURMLANB59)
24"x46' RCP
D.A.=Median

Remove
Sta. 517+68.81 (ML059)
Sta. 8517+69.4 (SURMLANB59)
24"x46' RCP
D.A.=Median

0 20
FEET

US 59 DET 517
Stage 1
(Sheet 6 of 10)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER F.6	

3:15:48 PM 9/24/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\F01_78059056Z06.dgn

Imagery ©2026 Airbus

Knox TWP.
T-77N R-39W
SEC. 04

Marty Drive

STA: 524+86.90 7.75' LT (ML059)
= STA: 7524+83.69 29.25' RT (SURML059SB)

STA: 525+49.37 14.00' LT (ML059)
= STA: 7525+46.26 23.00' RT (SURML059SB)
OFF: (ML059)

STA: 525+75.00 14.00' LT (ML059)
= STA: 7525+71.93 23.00' RT (SURML059SB)

STA: 524+76.12 3.36' RT (ML059)
= STA: 8524+76.05 33.52' LT (SURML059NB)

523+00 524+00 525+00 526+00 527+00 528+00

US 59 SB

59

R=12'

Uniform Transition 2%

Uniform Transition 2%

Special Shaping

US 59 NB

STA: 524+86.39 16.07' RT (ML059)
= STA: 8524+86.31 20.93' LT (SURML059NB)

STA: 525+48.97 25.00 RT (ML059)
= STA: 8525+48.79 12.00' LT (SURML059NB)

STA: 525+75.00 25.00 RT (ML059)
= STA: 8525+74.78 12.00' LT (SURML059NB)

8523+00 8524+00 8525+00 8526+00 8527+00 8528+00

Remove
Sta. 525+13.03 (ML059)
Sta. 8525+12.9 (SURMLANB59)
24"x103' RCP
D.A.=Median

Stage 1 Sta. 524+47.96 (ML059) RT
Extend with 24" x 90' UNCL;
18"x135'
C.M.P.

0 20
FEET

US 59 DET 525
Stage 1
(Sheet 7 of 10)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER F.7	

3:15:55 PM 9/24/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\F01_78059056Z06.dgn

Imagery ©2026 Airbus

Knox TWP.
T-77N R-39W
SEC. 04

Fairview TWP.
T-78N R-39W
SEC. 33

STA: 542+10.00 50.30' RT(ML059)
= STA: 8542+10.50 12.00' RT (SURML059NB)

542+00
543+00
544+00
545+00
546+00
547+00

FO

US 59 SB

59

US 59 NB

Constant Slope

4%

STA: 542+48.21 49.60' RT (ML059)
= STA: 8542+48.10 14.00' RT (SURML059NB)

8542+00
8543+00
8544+00
8545+00
8546+00
8547+00

F06

STA: 542+10.12 52.30' RT (ML059)
= STA: 8542+10.50 14.00' (SURML059NB)

STA: 546+84.80 32.70' RT (ML059)
= STA: 8546+84.99 24.00' (SURML059NB)

Remove
Sta. 542+05.74 (ML059)
Sta. 8542+04.70 (SURMLANB59)
42"x229' RCP
D.A.=14 A-VH

0 20
FEET

US 59 DET ML059NB-6
Stage 1
(Sheet 8 of 10)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER F.8

3:16:01 PM 9/24/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\F01_78059056Z06.dgn

Imagery ©2026 Airbus, Imagery ©2026 Airbus, Maxar Technologies

Fairview TWP.
T-78N R-39W
SEC. 33

N

548+00
549+00
550+00
551+00
552+00
553+00
7551+00
7552+00
7553+00

FO
FO3
FO6

US 59 SB
US 59 NB
59

4%
Constant Slope
4%

8548+00
8549+00
8550+00

STA: 551+53.00 32.00' RT (ML059)
= STA: 7551+49.98 32.00' RT (SURML059SB)

0 20
FEET

US 59 Detour Pavement
Stage 1
(Sheet 9 of 10)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER F.9	

3:16:05 PM 9/24/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\F01_78059056Z06.dgn

Imagery ©2026 Airbus, Imagery ©2026 Airbus, Maxar Technologies

Fairview TWP.
T-78N R-39W
SEC. 33

UAC
Sta. 7556+74.68
5'x3.2'x84' RCB
D.A.=75 A-H

554+00
555+00
556+00
557+00
558+00
559+00
7554+00
7555+00
7556+00
7557+00
7558+00
7559+00

F0
F02
F03
F04
F06

County Road F66

US 59 SB
US 59 NB

59

4%
Constant Slope
4%

STA: 555+23.78 16.00' RT (ML059)
= STA: 7555+20.82 16.00' RT (SURML059SB)

STA: 555+40.00 12.00' RT (ML059)
= STA: 7555+36.60 12.00' RT (SURML059SB)

STA: 555+40.00 16.00' RT (ML059)
= STA: 7555+36.60 16.00' RT (SURML059SB)

0 20
FEET

US 59 Detour Pavement
Stage 1
(Sheet 10 of 10)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER F.10

3:16:11 PM 9/24/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\F01_78059056Z06.dgn

Imagery ©2026 Airbus, Imagery ©2026 Airbus, Maxar Technologies

Knox TWP.
T-77N R-39W
SEC. 09

UAC
Sta. 2475+61.55 (SRWoodWest)
Sta. 7476+33.3 (SURMLASB59)
65.7 LT
24"x106' CMP

STA: 2475+20.00
OFF: 18.50' LT (SRWoodWest)

STA: 2475+05.00
OFF: 16.00' LT (SRWoodWest)

STA: 2474+20.00
OFF: 16.00' LT (SRWoodWest)

2472+00
2473+00
2474+00
2475+00
2476+00

4%
4.0'
Constant Slope
6.5'
4%

Wood St. West
Wood St. East

US 59 SB
US 59 NB
59

POE 2476+34.84

STA: 2474+20.00
OFF: 12.00' LT (SRWoodWest)

STA: 2475+20.00
OFF: 12.00' LT (SRWoodWest)

F05
F06
W2

0 20
FEET

West Wood Street
Stage 1
(Sheet 1 of 1)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER F.11

4:44:28 PM 9/30/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\F11_78059056Z06.dgn

Imagery ©2026 Airbus

Knox TWP.
T-77N R-39W
SEC. 04

59

US 59 SB

US 59 NB

5530+00

5531+00

5532+00

5533+00

5534+00

F06

F02

F05

F03

F04

G

STA: 5531+40.00
OFF: 26.00' RT (SRYork)

STA: 5531+95.00
OFF: 26.00' RT (SRYork)

Special Shaping

Special Shaping

Special Shaping

Special Shaping

York Rd.

POB 5529+69.38

POE 5534+09.91

3%
10.0

Constant Slope

3%
10.0

3%
9.0

Constant Slope

3%
9.0

STA: 5530+89.87
OFF: 36.00' RT (SRYork)

STA: 5532+56.29
OFF: 36.00' RT (SRYork)

STA: 5533+26.12
OFF: 12.30' RT (SRYork)

STA: 5533+95.59
OFF: 52.10' RT (SRYork)

0 20
FEET

York Road
Stage 1
(Sheet 1 of 1)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER F.12

4:44:32 PM 9/30/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\F11_78059056Z06.dgn

Imagery ©2026 Airbus

Knox TWP.
T-77N R-39W
SEC. 04

STA: 2649+20.00 22.00' LT
(RMP059B)

STA: 2650+20.00 22.00' LT
(RMP059B)

STA: 2652+20.00 32.00' LT
(RMP059B)

STA: 2652+90.00 32.00' LT
(RMP059B)

STA: 2653+59.92 38.70' LT
(RMP059B)

2649+00

2650+00

2651+00

2652+00

2653+00

3%
4.0'

Constant Slope

8%
4.0'

20:1 Taper

Constant Slope

3%
14.0'

3%
14.0'

10.3:1 Taper

Uniform Transition

14.0'

0.5%

Ramp B

Ramp B

STA: 2649+20.00 18.00' LT
(RMP059B)

STA: 2652+90.00
OFF: 18.00' LT (RMP059B)

STA: 2653+62.43
OFF: 24.82' LT (RMP059B)

4654+00

POE 2653+79.99

59

POB 4653+61.49

0 20
FEET

US59/I-80 Ramp B
Stage 1
(Sheet 1 of 1)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER F.13	

4:44:48 PM 9/30/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\F13_78059056Z06.dgn

Imagery ©2026 Airbus

Knox TWP.
T-77N R-39W
SEC. 04

STA: 3651+60.00 21.00' RT
(RMP059C)

STA: 3653+39.07 25.00' RT
(RMP059C)

STA: 3651+75.00 25.00' RT
(RMP059C)

STA: 3648+90.00 21.00' RT
(RMP059C)

Ramp C

Ramp C

4.0'
3%
Constant Slope
4.0'
3%
Constant Slope
10:1 Taper
13.0'
3%
Constant Slope
9.0'
3%
9.0'
3%
Uniform Transition
8.5:1 Taper
16.7'
0.8%

3648+00
3649+00
3650+00
3651+00
3652+00
3653+00

STA: 3648+90.00 25.00' RT
(RMP059C)

STA: 3649+90.00 25.00' RT
(RMP059C)

STA: 3650+80.00 34.00' RT
(RMP059C)

STA: 3652+70.00 34.00' RT
(RMP059C)

STA: 3653+35.90 41.72' RT
(RMP059C)

POE 3653+56.06

US 59 SB

59

0 20
FEET

US59/I-80 Ramp C
Stage 1
(Sheet 1 of 1)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER F.14	

4:44:52 PM 9/30/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\F13_78059056Z06.dgn

Imagery ©2026 Airbus

Knox TWP.
T-77N R-39W
SEC. 04

US 59 SB

US 59 NB

POE 2653+79.99

4654+00

4655+00

4656+00

4657+00

4658+00

4659+00

STA: 4653+97.67 65.63' LT
(RMP059D)

STA: 4654+46.29 47.94' LT
(RMP059D)

STA: 4655+15.00 36.00' LT
(RMP059D)

STA: 4655+90.00 36.00' LT
(RMP059D)

STA: 4656+90.00 28.00' LT
(RMP059D)

STA: 4657+60.00 28.00' LT
(RMP059D)

2.8:1 Taper

15.8:1 Taper

10:1 Taper

Uniform
Transition

0.8%
42.5'

3%
25.0'

Constant Slope

3%
13.0'

Constant Slope

3%
13.0'

Constant Slope

3%
5.0'

Constant Slope

3%
5.0'

Ramp D

Ramp D

STA: 4653+82.08 23.00' LT
(RMP059D)

STA: 4657+60.00 23.00' LT
(RMP059D)

POB 4653+61.49

59

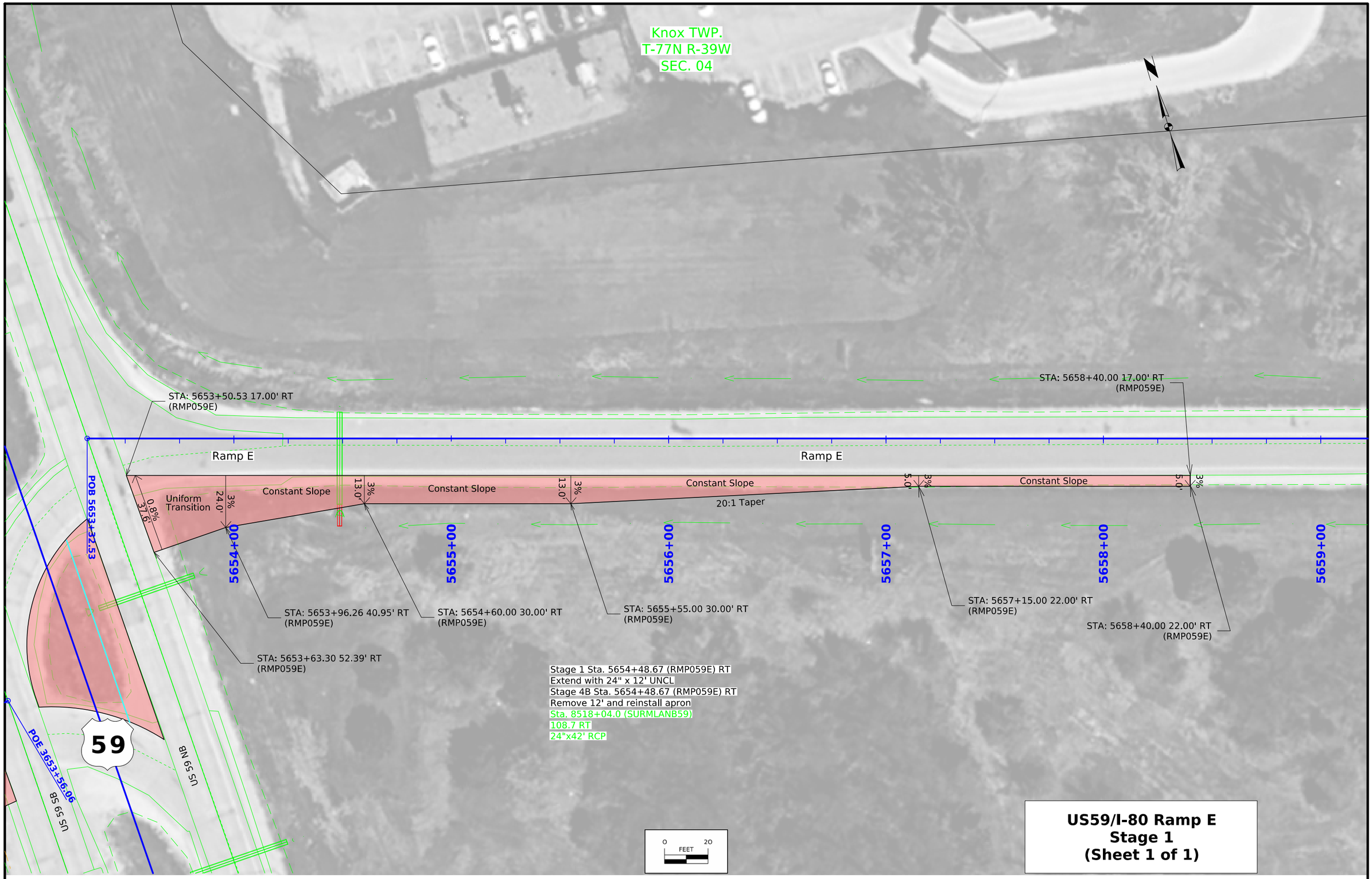
0 20
FEET

**US59/I-80 Ramp D
Stage 1
(Sheet 1 of 1)**

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER F.15	

4:45:00 PM 9/30/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\F13_78059056Z06.dgn

Imagery ©2026 Airbus



FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER F.16

4:45:05 PM 9/30/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\F13_78059056Z06.dgn

Imagery ©2026 Airbus

STA: 467+34.79 14.00' RT (ML059)
=STA: 7467+34.79 14.00' LT (SURML059SB)

STA: 471+35.75 22.00 LT (ML059)
=STA: 7471+35.75 22.00 LT (SURML059SB)

7467+00
467+00
7468+00
468+00
7469+00
469+00
7470+00
470+00
7471+00
471+00
7472+00
472+00

FO

5%
Constant Slope
3%
Uniform Transition
4%

US 59 SB Proposed
US 59 NB
US 59 SB
US 59 NB
59

STA: 467+34.79 12.00' RT (ML059)
=STA: 7467+34.79 12.00' LT (SURML059SB)

STA: 471+35.75 12.00' RT (ML059)
=STA: 7471+35.75 12.00' RT (SURML059SB)

0 FEET 20

US 59 Detour
Stage 2A
(Sheet 1 of 9)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER F.17

9:17:21 AM 9/25/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\F17_78059056Z06.dgn

Imagery ©2026 Airbus

7499+00
7500+00
7501+00
7502+00
7503+00
7504+00
7505+00

STA: 501+35.00
OFF: 0.00' RT (ML059)

STA: 502+00.00
OFF: 0.00' RT (ML059)

FO

499+00
500+00
501+00
502+00
503+00
504+00
505+00

Proposed US 59 SB

4%
25'
Constant Slope
4%
25'

59

US 59 NB

STA: 501+35.00
OFF: 25.00' RT (ML059)

FO2

STA: 502+00.00
OFF: 25.00' RT (ML059)

UAC
Sta. 504+36.10 (ML059)
Sta. 8504+36.7 (SURMLANB59)
30"x166' RCP
D.A.=8.0 A-H Plan

0 20
FEET

US 59 DET 501
Stage 2A
(Sheet 2 of 9)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER F.18

9:17:26 AM 9/25/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\F17_78059056Z06.dgn

Imagery ©2026 Airbus

Stage 2A Sta. 508+52.63 (ML059) RT
Extend with 24" x 23' UNCL;
Stage 2A Sta. 508+52.63 (ML059) LT
Extend with 24" x 7' UNCL;
Sta. 7508+48.75 (SURMLASB59)
24"x49' RCP
D.A.=Median

7505+00
7506+00
7507+00
7508+00
7509+00
7510+00
7511+00

505+00
506+00
507+00
508+00
509+00
510+00
511+00

STA: 506+70.00
OFF: 19.00' RT (ML059)

STA: 507+00.00
OFF: 0.00' RT (ML059)

STA: 508+27.00
OFF: 0.00' RT (ML059)

Proposed US 59 SB

59

25'
Constant Slope
4%
25'
4%
6'
4%

US 59 NB

STA: 506+70.00
OFF: 25.00' RT (ML059)

STA: 507+00.00
OFF: 19.00' RT (ML059)

STA: 508+27.00
OFF: 25.00' RT (ML059)

F06
F0
F04
F07
E3
E

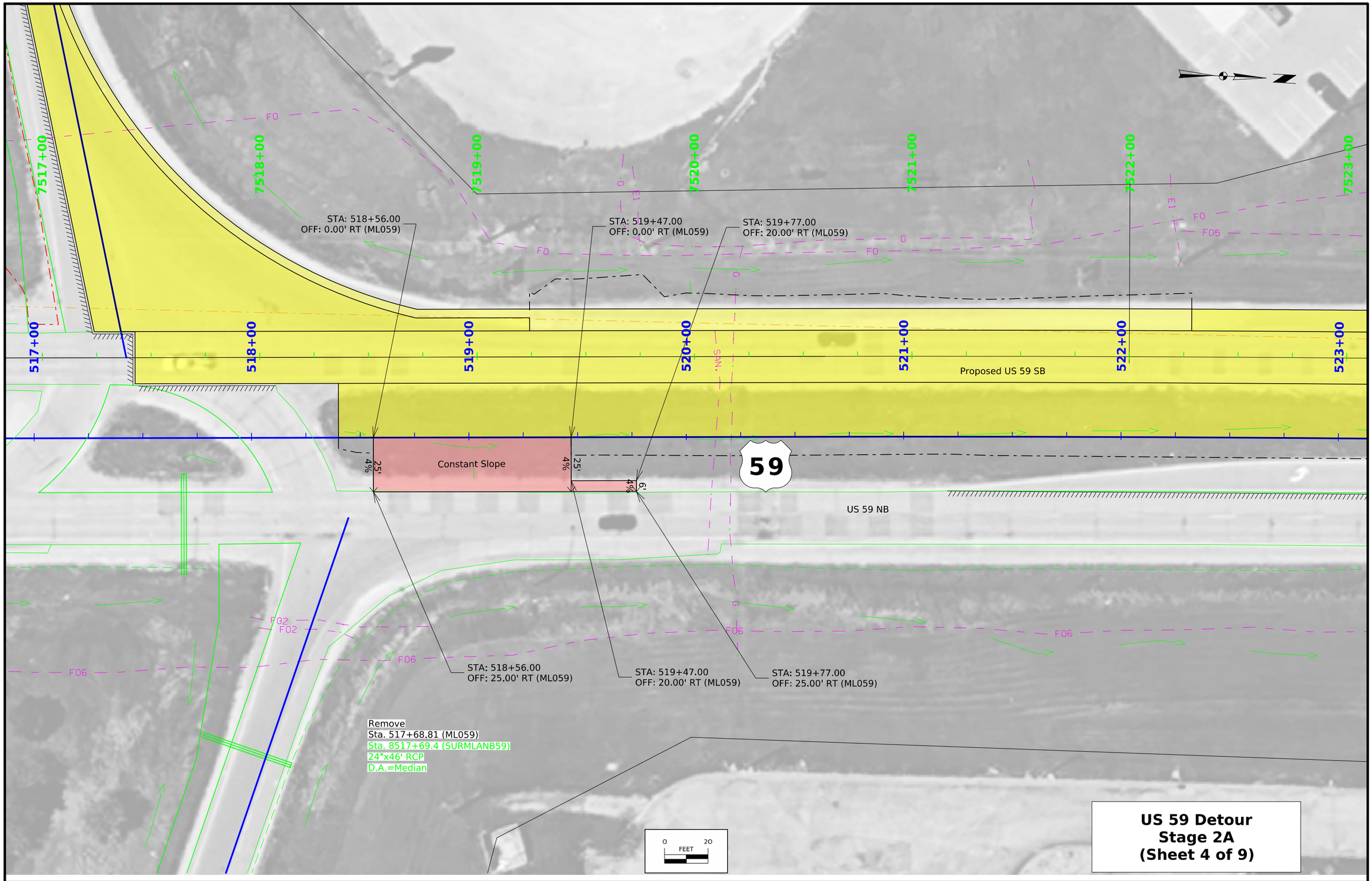
0 20
FEET

US 59 Detour
Stage 2A
(Sheet 3 of 9)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER F.19	

9:17:31 AM 9/25/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\F17_78059056Z06.dgn

Imagery ©2026 Airbus



FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER F.20

9:17:37 AM 9/25/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\F17_78059056Z06.dgn

Imagery ©2026 Airbus

7523+00
7524+00
7525+00
7526+00
7527+00
7528+00
7529+00
523+00
524+00
525+00
526+00
527+00
528+00
529+00
F0
F05
F06
F02
F04
F03
E1
M2
STA: 523+75.00
OFF: 0.00' RT (ML059)
STA: 524+62.44
OFF: 0.00' RT (ML059)
US 59 SB
US 59 NB
59
Uniform Transition
5.51%
25'
6.67%
25'
STA: 523+75.00
OFF: 25.00' RT (ML059)
STA: 524+62.36
OFF: 25.00' RT (ML059)
Stage 2A Sta. 524+47.96 (ML059) LT
Extend with 24 " x 21' UNCL
18"x135'
C.M.P.
Remove
Sta. 525+13.03 (ML059)
Sta. 8525+12.9 (SURMLANB59)
24"x103' RCP
D.A.=Median
0 FEET 20
US 59 Detour
Stage 2A
(Sheet 5 of 9)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER F.21	

9:19:16 AM 9/25/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\F17_78059056Z06.dgn

Imagery ©2026 Airbus

7529+00
7530+00
7531+00
7532+00
7533+00
7534+00
7535+00

STA: 530+12.00
OFF: 0.00' RT (ML059)

STA: 530+32.00
OFF: 0.00' RT (ML059)

F0

529+00
530+00
531+00
532+00
533+00
534+00
535+00

Proposed US 59 SB

25'
3.7%
25'
3.7%

59

US 59 NB

F06
F02
F04
F05
F03

STA: 530+32.00
OFF: 25.00' RT (ML059)

STA: 530+12.00
OFF: 25.00' RT (ML059)

Stage 2A Sta. 529+69.07 (ML059) RT
Extend with 18" x 34' UNCL;
18"x218'
C.M.P.

UAC
Sta. 531+36.30 (ML059)
Sta. 8531+35.9 (SURMLANB59)
42"x229' RCP
D.A.=14 A-VH

0 20
FEET

US 59 Detour
Stage 2A
(Sheet 6 of 9)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER F.22	

9:20:56 AM 9/25/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\F17_78059056Z06.dgn

Imagery ©2026 Airbus

STA: 544+14.37 0.00' RT (ML059)
=STA: 7544+10.47 22.00' LT (SURML059SB)

STA: 544+14.42 0.00' RT (ML059)
=STA: 7544+10.47 24.00' LT (SURML059SB)

STA: 544+84.69 33.00' LT (ML059)
=STA: 7544+80.00 23.92' LT (SURML059SB)

7541+00 7542+00 7543+00 7544+00 7545+00 7546+00 7547+00

541+00 542+00 543+00 544+00 545+00 546+00 547+00

FO

Constant Slope

4%

Proposed US 59 SB

59

US 59 NB

F06

Remove
Sta. 542+05.74 (ML059)
Sta. 8542+04.70 (SURMLANB59)
42"x229' RCP
D.A.=14 A-VH

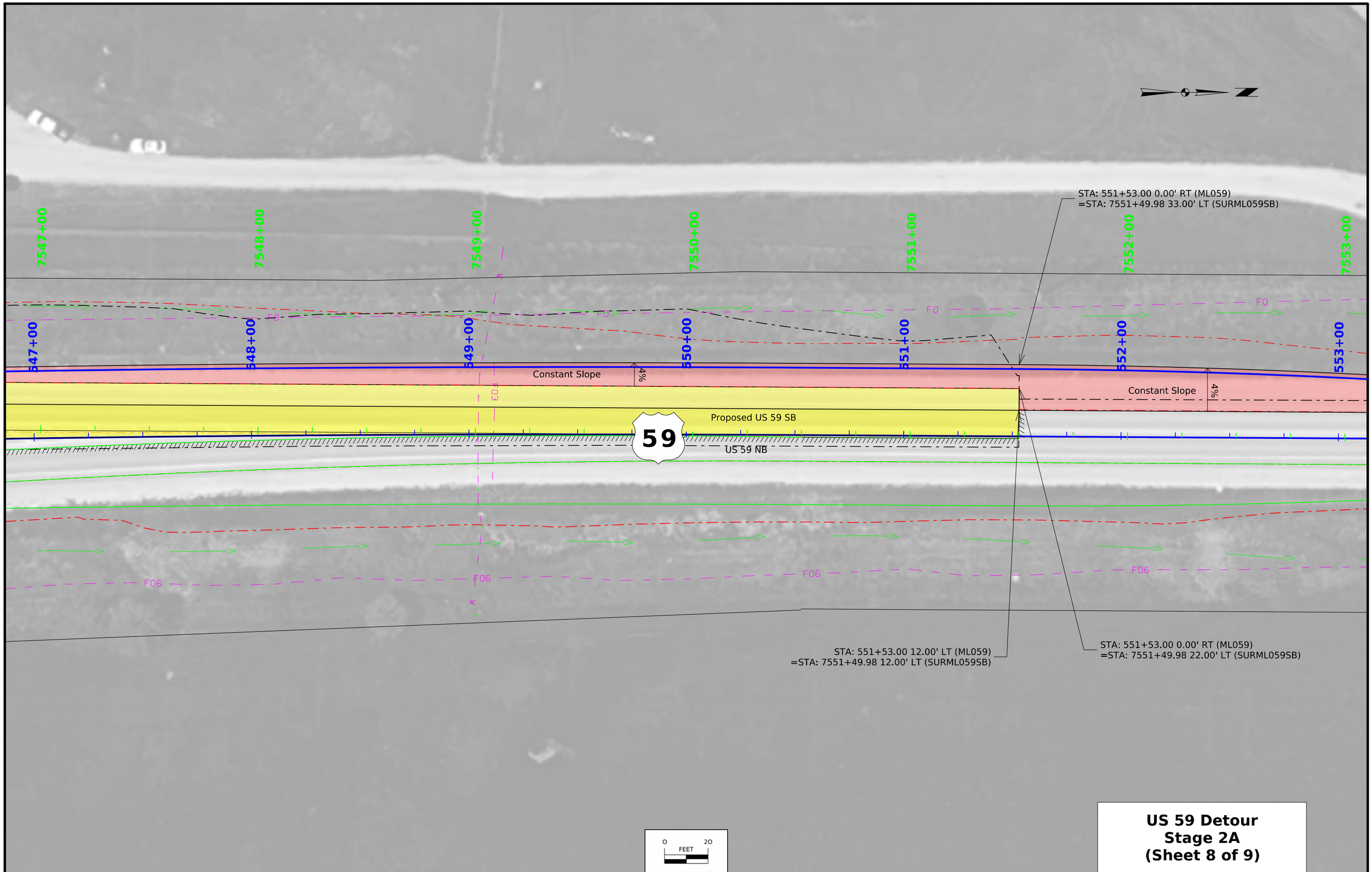
0 20
FEET

**US 59 Detour
Stage 2A
(Sheet 7 of 9)**

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER F.23	

9:22:34 AM 9/25/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\F17_78059056Z06.dgn

Imagery ©2026 Airbus, Imagery ©2026 Airbus, Maxar Technologies



US 59 Detour
Stage 2A
(Sheet 8 of 9)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER F.24	

9:24:11 AM 9/25/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\F17_78059056Z06.dgn

Imagery ©2026 Airbus, Imagery ©2026 Airbus, Maxar Technologies

UAC
Sta. 7556+74.68
5'x3.2'x84' RCB
D.A.=75 A-H

STA: 555+53.00 16.00' LT (ML059)
=STA: 7555+40.05 16.00' LT (SURML059SB)

7553+00 7554+00 7555+00 7556+00 7557+00 7558+00 7559+00

553+00 554+00 555+00 556+00 557+00 558+00 559+00

F0 F02 F03 F04 F05 F06

Constant Slope 4%

Constant Slope 4%

US 59 SB

US 59 NB

59

STA: 556+35.00 12.00' LT (ML059)
=STA: 7556+31.98 12.00' LT (SURML059SB)

STA: 556+35.00 16.00' LT (ML059)
=STA: 7556+31.98 16.00' LT (SURML059SB)

0 20
FEET

US 59 Detour
Stage 2A
(Sheet 9 of 9)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER F.25

9:25:51 AM 9/25/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\F17_78059056Z06.dgn

Imagery ©2026 Airbus, Imagery ©2026 Airbus, Maxar Technologies

Knox TWP.
T-77N R-39W
SEC. 09

UAC
Sta. 2475+61.55 (SRWoodWest)
Sta. 7476+33.3 (SURMLASB59)
65.7 LT
24"x106' CMP

59

STA: 2474+25.00
OFF: 12.00' RT (SRWoodWest)

STA: 2475+41.53
OFF: 12.00' RT (SRWoodWest)

2472+00
2473+00
2474+00
2475+00
2476+00

US 59 SB
US 59 NB

F06
F0
F05
W2
F06

POB 2471+72.54

Constant Slope
4%

POB 2476+34.84

STA: 2474+25.00
OFF: 18.00' RT (SRWoodWest)

STA: 2475+67.69
OFF: 18.00' RT (SRWoodWest)

0 20
FEET

West Wood Street
Stage 2A
(Sheet 1 of 1)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER F.26

5:23:04 PM 9/23/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\F26_78059056Z06.dgn

Imagery ©2026 Airbus

Stage 2A Sta. 508+52.63 (ML059) RT
Extend with 24" x 23' UNCL;
Stage 2A Sta. 508+52.63 (ML059) LT
Extend with 24" x 7' UNCL;
Sta. 7508+48.75 (SURMLASB59)
24"x49' RCP
D.A.=Median

Knox TWP.
T-77N R-39W
SEC. 04

7507+00
7508+00
7509+00
7510+00
7511+00
7512+00

507+00
508+00
509+00
510+00
511+00
512+00

STA: 508+75.00 (ML059)
OFF: 0.00' RT

STA: 509+60.00 (ML059)
OFF: 0.00' RT

STA: 509+60.00 (ML059)
OFF: 19.00' RT

STA: 509+90.00 (ML059)
OFF: 19.00' RT

25'
3.8%
Constant Slope
25'
3.8%
6'
3%
Uniform
Transition

59

STA: 508+75.00 (ML059)
OFF: 25.00' RT

STA: 509+90.00 (ML059)
OFF: 25.00' RT

Remove
Sta. 8509+43.4 (SURMLANB59)
18"x65' RCP
D.A.=Median

0 20
FEET

US 59 Detour
Stage 2B
(Sheet 1 of 4)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER F.27

4:12:25 PM 9/23/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\F27_78059056Z06.dgn

Imagery ©2026 Airbus

Knox TWP.
T-77N R-39W
SEC. 04

7515+00
7516+00
7517+00
7518+00
7519+00
7520+00
7521+00

515+00
516+00
517+00
518+00
519+00
520+00
521+00

STA: 517+55.00 (ML059)
OFF: 0.00' RT

STA: 518+40.00 (ML059)
OFF: 0.00' RT

25'
4%
Constant Slope
25'
4%

59

STA: 517+55.00 (ML059)
OFF: 25.00' RT

STA: 518+40.00 (ML059)
OFF: 25.00' RT

UAC
Sta. 516+39.13 (ML059)
Sta. 8516+39.7 (SURMLANB59)
24"x46' RCP
D.A.=Median

Remove
Sta. 517+68.81 (ML059)
Sta. 8517+69.4 (SURMLANB59)
24"x46' RCP
D.A.=Median

0 20
FEET

US 59 Detour
Stage 2B
(Sheet 2 of 4)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER F.28

4:12:31 PM 9/23/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\F27_78059056Z06.dgn

Imagery ©2026 Airbus

Knox TWP.
T-77N R-39W
SEC. 04

7521+00 7522+00 7523+00 7524+00 7525+00 7526+00 7527+00

521+00 522+00 523+00 524+00 525+00 526+00 527+00

F0 F05 G E1 E3

STA: 524+62.44 (ML059)
OFF: 0.00' RT

STA: 525+50.00 (ML059)
OFF: 0.00' RT

59

25' 6.67% Uniform Transition 25' 5.82%

STA: 524+62.36 (ML059)
OFF: 25.00' RT

STA: 525+50.00 (ML059)
OFF: 25.00' RT

F06 F02 F05

Stage 1 Sta. 524+47.96 (ML059) RT
Extend with 24" x 90' UNCL;
Stage 2A Sta. 524+47.96 (ML059) LT
Extend with 24 " x 21' UNCL;
18"x135'
C.M.P.

Remove
Sta. 525+13.03 (ML059)
Sta. 8525+12.9 (SURMLANB59)
24"x103' RCP
D.A.=Median

0 20 FEET

US 59 Detour
Stage 2B
(Sheet 3 of 4)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER F.29	

4:12:38 PM 9/23/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\F27_78059056Z06.dgn

Imagery ©2026 Airbus

Stage 2A Sta. 529+69.07 (ML059) RT
Extend with 18" x 34' UNCL;
Stage 2B Sta. 529+69.07 (ML059) LT
Extend with 18" x 25' UNCL;
18"x218'
C.M.P.

Knox TWP.
T-77N R-39W
SEC. 04

7527+00
7528+00
7529+00
7530+00
7531+00
7532+00
7533+00

527+00
528+00
529+00
530+00
531+00
532+00
533+00

STA: 528+60.00 (ML059)
OFF: 0.00' RT

STA: 529+70.00 (ML059)
OFF: 0.00' RT

3.5%
25'
Constant Slope
3.5%
25'

59

STA: 528+60.00 (ML059)
OFF: 25.00' RT

STA: 529+70.00 (ML059)
OFF: 25.00' RT

UAC
Sta. 531+36.30 (ML059)
Sta. 8531+35.9 (SURMLANB59)
42"x229' RCP
D.A.=14 A-VH

0 20
FEET

US 59 Detour
Stage 2B
(Sheet 4 of 4)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER F.30

4:12:44 PM 9/23/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\F27_78059056Z06.dgn

Imagery ©2026 Airbus

Knox TWP.
T-77N R-39W
SEC. 04

59

STA: 5530+97.82
OFF: 33.00' LT (SRYork)

STA: 5531+50.26
OFF: 25.00' LT (SRYork)

STA: 5531+62.17
OFF: 33.00' LT (SRYork)

5530+00

5531+00

5532+00

5533+00

5534+00

3%

Constant Slope

3%

POE 5529+69.38

POE 5534+09.91

F02

F03

F04

F05

F06

G

0 20
FEET

York Road Detour
Stage 4A
(Sheet 1 of 1)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER F.31	

4:30:17 PM 9/23/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\F31_78059056Z06.dgn

Imagery ©2026 Airbus

SURVEY INDEX

County : Pottawattamie
Project Code : 24-78-059-010
Phase Number : NHSX-059-3(056)--3H-78
Location : In Avoca, Pershing St to S of Co Rd F66
Work Code : 1034-Unknown Pavement - Grade and Replace
Project Directory : 7805901024

Survey Personnel

Paul Harry – Survey Party Chief
Jason Arn – Survey Party Chief
Robert Fredrickson – Assistant Survey Party Chief

Date(s) of Survey

Begin Date	03/24/2025
End Date	05/08/2025

General Information

This survey is for reconstruction of pavement on U.S. 59, from Pershing Street in Avoca, north to south of F66. This project is a Full Field DTM survey.

Utility Information

For logging data and other utility details see Utility Survey and Ownership Report in the Utility folder of the PrelimSurvey project directory.

Project Control

Nearby Iowa Real Time Network reference stations were utilized to obtain horizontal and vertical control on primary project control points. Three five-minute observations were taken with a minimum two-hour time span between and used in a weighted average to obtain final coordinate values. Coordinate values for control point 832025 were determined by two five-minute observations using Base-Rover from control point 78512 and used in a weighted average. For additional details of the control survey, contact the Preliminary Survey department.

PROJECT DATUM: NAD83(2011) for EPOCH 2010.00 (IaRTN 2019 ADJUSTMENT)
COORDINATE SYSTEM: IOWA REGIONAL COORDINATE SYSTEM ZONE 06. (U.S. SURVEY FOOT)
VERTICAL DATUM: NAVD88
GEOID MODEL: 2018u3

Alignment Information

The horizontal alignment for U.S. Hwy 59 this survey was provided by the District 4 ROW Office.

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 2010.00 (IaRTN 2019 Adjustment) - Iowa RCS Zone 06 (U.S. Survey Foot)
VERT. DATUM: NAVD88 - Geoid Model: 2018u3
Coordinate listing from next sheet will be used with IaRTN for monument
recovery. No other reference ties are given.

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER G.2	

HORIZONTAL AND VERTICAL PROJECT CONTROL COORDINATE LISTING

HORIZ. DATUM: NAD83(2011) for EPOCH 2010.00 (IaRTN 2019 Adjustment)
Ia. Regional Coordinate System Zone 06 (U.S. Survey Foot)
VERT. DATUM: NAVD88
Geoid Model: 2018u3

Point Name	Northing	Easting	Elevation	Code Description
C147	7041188.71	16608611.73	1129.27	CP FD NGS MON AS DESCRIBED
R146	7046604.10	16607193.85	1137.87	CP FD NGS MON AS DESCRIBED
F150RESET	7054938.78	16608734.38	1257.61	CP FD NGS MON AS DESCRIBED
78512	7056476.85	16609914.76	1278.18	CP FD POTT COUNTY MON AS DESCRIBED
832025	7059044.70	16603781.01	1152.66	CP SET FENO MON W/ IOWA DOT BRASS CAP

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	ML059	46176.443 R1	7049733.37	16608435.46															
2	ML059							46295.713 R1	7049831.55	16608503.18	46727.631 R1	7050186.91	16608748.69	47135.750 R1	7050618.62	16608762.15			
4	ML059							49155.806 R1	7052638.22	16608796.64	49601.405 R1	7053083.75	16608804.25	50046.694 R1	7053528.85	16608783.09			
6	ML059							52063.835 R1	7055541.97	16608687.44	52370.409 R1	7055848.20	16608672.88	52676.947 R1	7056154.71	16608666.40			
8	ML059							53325.611 R1	7056803.23	16608652.69	53640.168 R1	7057117.71	16608646.04	53954.651 R1	7057431.73	16608627.69			
9	ML059							53954.651 R1	7057431.73	16608627.69	54503.744 R1	7057979.89	16608595.66	55052.450 R1	7058528.97	16608599.28			
10	ML059	59611.329 R1	7063087.75	16608629.34															
1	ML059NB	847135.750 R1	7050618.62	16608762.15															
2	ML059NB							849144.452 R1	7052626.28	16608826.59	849602.336 R1	7053083.93	16608841.28	850059.737 R1	7053541.30	16608819.54			
4	ML059NB							852064.425 R1	7055543.73	16608724.39	852370.512 R1	7055849.47	16608709.87	852676.563 R1	7056155.49	16608703.39			
6	ML059NB							853320.290 R1	7056799.07	16608689.78	853688.466 R1	7057167.17	16608682.00	854056.266 R1	7057533.53	16608645.48			
7	ML059NB							854056.266 R1	7057533.53	16608645.48	854555.224 R1	7058030.02	16608595.99	855053.249 R1	7058528.97	16608599.28			
8	ML059NB							855053.249 R1	7058528.97	16608599.28	855053.596 R1	7058529.32	16608599.28	855053.943 R1	7058529.67	16608599.28			
9	ML059NB	855053.946 R1	7058529.67	16608599.28															
1	ML059SB	746176.443 R1	7049733.37	16608435.46															
2	ML059SB							746295.713 R1	7049831.55	16608503.18	746727.631 R1	7050186.91	16608748.69	747135.750 R1	7050618.62	16608762.15			
4	ML059SB							749172.723 R1	7052655.59	16608766.35	749600.210 R1	7053083.07	16608767.24	750027.521 R1	7053510.08	16608746.95			
6	ML059SB							752059.954 R1	7055540.22	16608650.48	752367.015 R1	7055846.93	16608635.90	752674.040 R1	7056153.93	16608629.41			
8	ML059SB							754025.169 R1	7057504.75	16608600.85	754325.200 R1	7057804.72	16608594.50	754625.192 R1	7058104.74	16608596.48			
9	ML059SB	759608.312 R1	7063087.75	16608629.34															
1	SRPershing	147210.500 R1	7050694.09	16608763.44															
1	SRPershing	147310.500 R1	7050689.33	16608863.32															
1	RETCPershing							3000.000 R1	7050654.01	16608775.29	3030.469 R1	7050684.46	16608776.27	3047.589 R1	7050683.02	16608806.70			
1	RETDPershing							4000.000 R1	7050701.05	16608806.35	4029.538 R1	7050702.46	16608776.85	4046.659 R1	7050731.98	16608777.79			
1	SRWoodEast	247622.960 R1	7051105.76	16608770.47															
1	SRWoodEast	247730.274 R1	7051103.66	16608877.76															
1	RETCWood							3000.000 R1	7051047.03	16608787.91	3049.379 R1	7051096.39	16608789.49	3077.915 R1	7051095.42	16608838.86			
1	RETDWood							4000.000 R1	7051113.39	16608840.69	4050.629 R1	7051114.38	16608790.07	4079.165 R1	7051164.98	16608791.69			
1	SRWoodWest	247172.536 R1	7051111.40	16608308.42															
2	SRWoodWest	247423.368 R1	7051113.82	16608559.24															
2	SRWoodWest	247634.837 R1	7051117.63	16608770.67															
1	RETAWood							1000.000 R1	7051199.18	16608739.35	1048.188 R1	7051150.99	16608739.25	1081.198 R1	7051140.69	16608692.17			
2	RETAWood	1144.791 R1	7051127.10	16608630.05															
1	RETBWood							2000.000 R1	7051103.95	16608677.60	2050.205 R1	7051104.86	16608727.80	2083.610 R1	7051055.61	16608737.54			
2	RETBWood	2152.498 R1	7050988.03	16608750.91															
1	SRLavista	350166.910 R1	7053647.19	16608777.47															
2	SRLavista	350203.910 R1	7053648.98	16608814.43															
2	SRLavista	350353.910 R1	7053656.10	16608964.26															
1	RETCLavista							3000.000 R1	7053600.60	16608828.74	3025.000 R1	7053625.57	16608827.55	3039.270 R1	7053626.76	16608852.53			
1	RETDLavista							4000.000 R1	7053674.70	16608850.25	4025.000 R1	7053673.52	16608825.28	4039.270 R1	7053698.49	16608824.09			
1	SRMarty	442273.975 R1	7055902.96	16608490.93															
2	SRMarty							442278.631 R1	7055905.81	16608494.61	442320.116 R1	7055931.21	16608527.41	442359.129 R1	7055933.81	16608568.82			
3	SRMarty	442462.440 R1	7055940.27	16608671.93															
1	RETA_SRMarty	1000.000 R1	7056054.15	16608619.90															
2	RETA_SRMarty							1047.960 R1	7056008.26	16608605.95	1068.617 R1	7055988.50	16608599.94	1087.138 R1	7055978.74	16608581.73			
1	RETB_SRMarty							2000.000 R1	7055883.96	16608584.70	2038.695 R1	7055855.33	16608610.74	2075.051 R1	7055817.00	16608616.04			
2	RETB_SRMarty	2184.854 R1	7055708.23	16608631.09															
1	SRYork	552968.380 R1	7056446.07	16608660.24															
1	SRYork	553409.910 R1	7056445.52	16609101.77															
1	RETCYork							3000.000 R1	7056297.32	16608712.40	3122.718 R1	7056420.01	16608709.80	3191.183 R1	7056419.86	16608832.52			
1	RETDYork							4000.000 R1	7056471.86	16608830.93	4122.231 R1	7056472.01	16608708.70	4193.550 R1	7056594.22	16608706.12			
1	SRF66	65310.856 R1	7059233.21	16608163.98															
1	SRF66	65750.790 R1	7059230.31	16608603.90															
1	SUR_ML059NB	847135.750 R1	7050618.62	16608762.15															
2	SUR_ML059NB							849144.452 R1	7052626.28	16608826.59	849602.336 R1	7053083.93	16608841.28	850059.737 R1	7053541.30	16608819.54			
4	SUR_ML059NB							852064.425 R1	7055543.73	16608724.39	852370.512 R1	7055849.47	16608709.87	852676.563 R1	7056155.49	16608703.39			
6	SUR_ML059NB							853882.455 R1	7057361.11	16608677.90	854010.591 R1	7057489.22	16608675.19	854138.560 R1	7057616.58	16608661.14			
8	SUR_ML059NB							854390.571 R1	7057867.08	16608633.52	854722.870 R1	7058197.37	16608597.09	855054.418 R1	7058529.67	16608599.28			
1	SURML059SB	747135.750 R1	7050618.62	16608762.15															
2	SURML059SB							749172.723 R1	7052655.59	16608766.35	749600.210 R1	7053083.07	16608767.24	750027.521 R1	7053510.08	16608746.95			
4	SURML059SB							752059.954 R1	7055540.22	16608650.48	752367.015 R1	7055846.93	16608635.90	752674.040 R1	7056153.93	16608629.41			
6	SURML059SB							754025.169 R1	7057504.75	16608600.85	754325.200 R1	7057804.72	16608594.50	754625.192 R1	7058104.74	16608596.48			
7	SURML059SB	759608.312 R1	7063087.75	16608629.34															
1	RMP059B							263350.680 R1	7054741.59	16606699.69	263445.451 R1	7054737.13	16606794.35	263540.010 R1	7054721.78	16606887.87			
3	RMP059B	265280.800 R1	7054439.70	16608605.66															
3	RMP059B	265379.990 R1	7054423.63	16608703.53															
1	RETARMP059B							1000.000 R1	7054474.86	16608689.09	1030.898 R1	7054444.00	16608690.55	1044.526 R1	7054449.01	16608660.06			
1	RETBRMP059B							2000.000 R1	7054439.73	16608605.48	2077.657 R1	7054427.15	16608682.11	2132.058 R1	7054349.79	16608688.89			

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)
2	RETBRMP059B	2285.417 R1	7054197.01	16608702.29															
1	RMP059C							363925.420 R1	7054893.50	16607274.28	364047.008 R1	7054897.92	16607395.79	364167.690 R1	7054927.74	16607513.66			
3	RMP059C	365154.960 R1	7055169.89	16608470.78															
3	RMP059C	365356.058 R1	7055219.21	16608665.73															
1	RETARMP059C							1000.000 R1	7055403.99	16608644.94	1187.994 R1	7055216.21	16608653.86	1315.211 R1	7055170.10	16608471.61			
1	RETBRMP059B							2000.000 R1	7055184.24	16608625.37	2030.586 R1	7055191.75	16608655.02	2044.278 R1	7055161.19	16608656.47			
1	RMP059D	465361.493 R1	7054338.10	16608781.68															
2	RMP059D	465536.060 R1	7054405.51	16608942.71															
3	RMP059D							466223.000 R1	7054670.78	16609576.36	466418.360 R1	7054746.22	16609756.57	466610.000 R1	7054757.69	16609951.59			
1	RETCRMP059D							3000.000 R1	7054203.13	16608800.11	3140.054 R1	7054343.03	16608793.46	3244.363 R1	7054397.11	16608922.65			
1	RETDRMP059D							4000.000 R1	7054382.32	16608825.18	4035.701 R1	7054368.54	16608792.25	4047.994 R1	7054404.20	16608790.56			
1	RMP059E	565332.529 R1	7055324.61	16608734.81															
2	RMP059E	565422.590 R1	7055299.15	16608821.19															
3	RMP059E							566528.030 R1	7054986.59	16609881.52	566752.567 R1	7054923.10	16610096.90	566974.320 R1	7054919.95	16610321.41			
4	RMP059E	567525.010 R1	7054912.21	16610872.05															
1	RETCRMP059E							3000.000 R1	7055266.89	16608749.56	3035.142 R1	7055301.99	16608747.89	3047.623 R1	7055292.05	16608781.60			
1	RETDRMP059E							4000.000 R1	7055297.89	16608825.46	4081.810 R1	7055321.02	16608746.99	4142.216 R1	7055402.74	16608743.11			
1	ENT7472L	+00.00	7050704.87	16608762.33															
1	ENT7472L	1+00.00	7050705.07	16608662.33															
1	ENT2242L	+00.00	7052831.44	16608798.58															
1	ENT2242L	+90.37	7052832.35	16608708.22															
1	ENT2225	+00.00	7053646.94	16608777.48															
1	ENT2225	+95.15	7053643.08	16608682.41															
1	ENT8524R	+00.00	7055923.46	16608672.44															
1	ENT8524R	1+55.15	7055936.38	16608827.05															
1	ENT1034L	+00.00	7056632.12	16608528.67															
2	ENT1034L							+63.01	7056569.11	16608528.44	+96.31	7056535.81	16608528.32	1+29.41	7056503.09	16608534.48			
3	ENT1034L							1+29.41	7056503.09	16608534.48	1+67.97	7056465.20	16608541.61	1+97.95	7056455.94	16608579.04			
4	ENT1034L							1+97.95	7056455.94	16608579.04	2+11.20	7056452.76	16608591.91	2+24.31	7056453.04	16608605.16			
5	ENT1034L	2+79.23	7056454.20	16608660.07															
1	DETML059NB_1	+00.00	7050126.02	16608673.37															
2	DETML059NB_1	+05.83	7050131.36	16608675.67															
3	DETML059NB_1	+13.43	7050138.35	16608678.68															
4	DETML059NB_1	+22.22	7050146.44	16608682.12															
5	DETML059NB_1	+31.65	7050155.14	16608685.75															
6	DETML059NB_1	+41.24	7050164.02	16608689.37															
7	DETML059NB_1	+50.57	7050172.68	16608692.85															
8	DETML059NB_1	+59.31	7050180.81	16608696.06															
9	DETML059NB_1	+67.65	7050188.58	16608699.07															
10	DETML059NB_1	+75.87	7050196.27	16608702.00															
11	DETML059NB_1	+84.23	7050204.09	16608704.92															
12	DETML059NB_1	+92.69	7050212.04	16608707.85															
13	DETML059NB_1	1+01.18	7050220.02	16608710.74															
14	DETML059NB_1	1+09.64	7050227.99	16608713.57															
15	DETML059NB_1	1+18.07	7050235.95	16608716.35															
16	DETML059NB_1	1+26.49	7050243.92	16608719.08															
17	DETML059NB_1	1+34.93	7050251.91	16608721.76															
18	DETML059NB_1	1+43.36	7050259.93	16608724.40															
19	DETML059NB_1	1+51.80	7050267.96	16608727.00															
20	DETML059NB_1	1+60.24	7050276.00	16608729.55															
21	DETML059NB_1	1+68.68	7050284.06	16608732.06															
22	DETML059NB_1	1+77.11	7050292.13	16608734.52															
23	DETML059NB_1	1+85.55	7050300.21	16608736.93															
24	DETML059NB_1	1+93.99	7050308.31	16608739.30															
25	DETML059NB_1	2+02.42	7050316.42	16608741.62															
26	DETML059NB_1	2+10.86	7050324.54	16608743.89															
27	DETML059NB_1	2+19.30	7050332.68	16608746.12															
28	DETML059NB_1	2+27.73	7050340.83	16608748.30															
29	DETML059NB_1	2+36.17	7050348.99	16608750.44															
30	DETML059NB_1	2+44.61	7050357.16	16608752.53															
31	DETML059NB_1	2+53.04	7050365.35	16608754.57															
32	DETML059NB_1	2+61.48	7050373.55	16608756.57															
33	DETML059NB_1	2+69.92	7050381.75	16608758.52															
34	DETML059NB_1	2+78.35	7050389.97	16608760.42															
35	DETML059NB_1	2+86.79	7050398.20	16608762.28															
36	DETML059NB_1	2+95.23	7050406.44	16608764.09															
37	DETML059NB_1	3+03.66	7050414.69	16608765.85															
38	DETML059NB_1	3+12.10	7050422.95	16608767.57															
39	DETML059NB_1	3+20.54	7050431.22	16608769.24															
40	DETML059NB_1	3+28.97	7050439.50	16608770.86															
41	DETML059NB_1	3+37.41	7050447.79	16608772.44															
42	DETML059NB_1	3+45.84	7050456.08	16608773.97															

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)
43	DETML059NB_1	3+54.28	7050464.39	16608775.45															
44	DETML059NB_1	3+62.72	7050472.71	16608776.88															
45	DETML059NB_1	3+71.16	7050481.03	16608778.27															
46	DETML059NB_1	3+79.59	7050489.35	16608779.61															
47	DETML059NB_1	3+88.01	7050497.68	16608780.90															
48	DETML059NB_1	3+96.44	7050506.01	16608782.15															
49	DETML059NB_1	4+04.90	7050514.39	16608783.35															
50	DETML059NB_1	4+13.39	7050522.80	16608784.51															
51	DETML059NB_1	4+21.85	7050531.19	16608785.62															
52	DETML059NB_1	4+30.21	7050539.48	16608786.67															
53	DETML059NB_1	4+38.44	7050547.64	16608787.65															
54	DETML059NB_1	4+46.77	7050555.93	16608788.61															
55	DETML059NB_1	4+55.51	7050564.62	16608789.55															
56	DETML059NB_1	4+64.84	7050573.89	16608790.51															
57	DETML059NB_1	4+74.43	7050583.44	16608791.43															
58	DETML059NB_1	4+83.85	7050592.82	16608792.28															
59	DETML059NB_1	4+92.65	7050601.59	16608793.00															
60	DETML059NB_1	5+00.26	7050609.18	16608793.59															
61	DETML059NB_1	5+06.09	7050614.99	16608794.04															
62	DETML059NB_1	5+06.33	7050615.23	16608794.06															
63	DETML059NB_1							5+06.61	7050615.51	16608794.07	5+07.66	7050616.56	16608794.10	5+08.72	7050617.62	16608794.13			
65	DETML059NB_1	5+08.95	7050617.85	16608794.14															
66	DETML059NB_1	6+48.34	7050757.22	16608796.52															
67	DETML059NB_1	8+98.54	7051007.01	16608810.79															
68	DETML059NB_1	13+92.29	7051500.69	16608819.22															
68	DETML059NB_1	18+39.17	7051947.56	16608816.84															
1	DETML059NB_2	254209.960 R1	7057688.90	16608665.24															
2	DETML059NB_2	254390.586 R1	7057868.81	16608649.26															
3	DETML059NB_2	254395.491 R1	7057873.70	16608648.83															
4	DETML059NB_2	254400.395 R1	7057878.58	16608648.40															
5	DETML059NB_2	254405.300 R1	7057883.47	16608647.98															
6	DETML059NB_2	254410.204 R1	7057888.36	16608647.56															
7	DETML059NB_2	254415.109 R1	7057893.24	16608647.14															
8	DETML059NB_2	254420.013 R1	7057898.13	16608646.73															
9	DETML059NB_2	254424.917 R1	7057903.02	16608646.33															
10	DETML059NB_2	254429.821 R1	7057907.91	16608645.92															
11	DETML059NB_2	254434.725 R1	7057912.79	16608645.53															
12	DETML059NB_2	254439.629 R1	7057917.68	16608645.13															
13	DETML059NB_2	254444.532 R1	7057922.57	16608644.74															
14	DETML059NB_2	254449.436 R1	7057927.46	16608644.36															
15	DETML059NB_2	254454.340 R1	7057932.35	16608643.98															
16	DETML059NB_2	254459.243 R1	7057937.24	16608643.60															
17	DETML059NB_2	254464.147 R1	7057942.13	16608643.23															
18	DETML059NB_2	254469.050 R1	7057947.01	16608642.86															
19	DETML059NB_2	254473.953 R1	7057951.90	16608642.49															
20	DETML059NB_2	254478.856 R1	7057956.79	16608642.13															
21	DETML059NB_2	254483.759 R1	7057961.68	16608641.78															
22	DETML059NB_2	254488.662 R1	7057966.57	16608641.43															
23	DETML059NB_2	254493.565 R1	7057971.47	16608641.08															
24	DETML059NB_2	254498.468 R1	7057976.36	16608640.74															
25	DETML059NB_2	254503.371 R1	7057981.25	16608640.40															
26	DETML059NB_2	254508.273 R1	7057986.14	16608640.06															
27	DETML059NB_2	254513.176 R1	7057991.03	16608639.73															
28	DETML059NB_2	254518.078 R1	7057995.92	16608639.41															
29	DETML059NB_2	254522.980 R1	7058000.81	16608639.09															
30	DETML059NB_2	254527.883 R1	7058005.70	16608638.77															
31	DETML059NB_2	254532.785 R1	7058010.60	16608638.46															
32	DETML059NB_2	254537.687 R1	7058015.49	16608638.15															
33	DETML059NB_2	254542.589 R1	7058020.38	16608637.84															
34	DETML059NB_2	254547.491 R1	7058025.27	16608637.54															
35	DETML059NB_2	254552.393 R1	7058030.17	16608637.24															
36	DETML059NB_2	254557.294 R1	7058035.06	16608636.95															
37	DETML059NB_2	254562.196 R1	7058039.95	16608636.66															
38	DETML059NB_2	254567.097 R1	7058044.85	16608636.38															
39	DETML059NB_2	254571.999 R1	7058049.74	16608636.10															
40	DETML059NB_2	254576.900 R1	7058054.63	16608635.83															
41	DETML059NB_2	254581.801 R1	7058059.53	16608635.56															
42	DETML059NB_2	254586.702 R1	7058064.42	16608635.29															
43	DETML059NB_2	254591.603 R1	7058069.32	16608635.03															
44	DETML059NB_2	254596.504 R1	7058074.21	16608634.77															
45	DETML059NB_2	254601.405 R1	7058079.10	16608634.51															
46	DETML059NB_2	254606.306 R1	7058084.00	16608634.26															
47	DETML059NB_2	254611.207 R1	7058088.89	16608634.02															
48	DETML059NB_2	254616.107 R1	7058093.79	16608633.78															
49	DETML059NB_2	254621.008 R1	7058098.68	16608633.54															
50	DETML059NB_2	254625.908 R1	7058103.58	16608633.31															
51	DETML059NB_2	254630.809 R1	7058108.47	16608633.08															
52	DETML059NB_2	254635.709 R1	7058113.37	16608632.85															
53	DETML059NB_2	254640.609 R1	7058118.26	16608632.63															
54	DETML059NB_2	254645.509 R1	7058123.16	16608632.42															

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)
55	DETML059NB_2	254650.409 R1	7058128.05	16608632.20															
56	DETML059NB_2	254655.309 R1	7058132.95	16608632.00															
57	DETML059NB_2	254660.209 R1	7058137.84	16608631.79															
58	DETML059NB_2	254665.109 R1	7058142.74	16608631.59															
59	DETML059NB_2	254670.008 R1	7058147.64	16608631.40															
60	DETML059NB_2	254674.908 R1	7058152.53	16608631.21															
61	DETML059NB_2	254679.807 R1	7058157.43	16608631.02															
62	DETML059NB_2							254684.707 R1	7058162.30	16608630.84	254867.957 R1	7058345.53	16608628.07	255051.193 R1	7058528.77	16608629.28			
64	DETML059NB_2							255151.759 R1	7058629.34	16608629.94	255280.783 R1	7058758.36	16608630.79	255409.690 R1	7058887.09	16608622.14			
65	DETML059NB_2							255409.690 R1	7058887.09	16608622.14	255538.713 R1	7059015.83	16608613.49	255667.620 R1	7059144.85	16608614.34			
1	DETML059SB_1	346734.830 R1	7050228.18	16608683.87															
2	DETML059SB_1	346740.616 R1	7050233.74	16608685.48															
3	DETML059SB_1	346746.402 R1	7050239.30	16608687.07															
4	DETML059SB_1	346752.188 R1	7050244.87	16608688.65															
5	DETML059SB_1	346757.973 R1	7050250.44	16608690.20															
6	DETML059SB_1	346763.757 R1	7050256.02	16608691.72															
7	DETML059SB_1	346769.542 R1	7050261.61	16608693.22															
8	DETML059SB_1	346775.325 R1	7050267.20	16608694.70															
9	DETML059SB_1	346781.108 R1	7050272.79	16608696.16															
10	DETML059SB_1	346786.892 R1	7050278.40	16608697.60															
11	DETML059SB_1	346792.674 R1	7050284.00	16608699.01															
12	DETML059SB_1	346798.455 R1	7050289.62	16608700.40															
13	DETML059SB_1	346804.237 R1	7050295.23	16608701.77															
14	DETML059SB_1	346810.018 R1	7050300.85	16608703.11															
15	DETML059SB_1	346815.798 R1	7050306.48	16608704.44															
16	DETML059SB_1	346821.579 R1	7050312.11	16608705.74															
17	DETML059SB_1	346827.358 R1	7050317.75	16608707.01															
18	DETML059SB_1	346833.137 R1	7050323.39	16608708.27															
19	DETML059SB_1	346838.916 R1	7050329.04	16608709.50															
20	DETML059SB_1	346844.693 R1	7050334.69	16608710.71															
21	DETML059SB_1	346850.471 R1	7050340.34	16608711.90															
22	DETML059SB_1	346856.249 R1	7050346.00	16608713.06															
23	DETML059SB_1	346862.025 R1	7050351.66	16608714.21															
24	DETML059SB_1	346867.801 R1	7050357.33	16608715.33															
25	DETML059SB_1	346873.578 R1	7050363.00	16608716.42															
26	DETML059SB_1	346879.353 R1	7050368.67	16608717.50															
27	DETML059SB_1	346885.127 R1	7050374.35	16608718.55															
28	DETML059SB_1	346890.902 R1	7050380.04	16608719.58															
29	DETML059SB_1	346896.676 R1	7050385.72	16608720.58															
30	DETML059SB_1	346902.449 R1	7050391.41	16608721.57															
31	DETML059SB_1	346908.223 R1	7050397.10	16608722.53															
32	DETML059SB_1	346913.995 R1	7050402.80	16608723.46															
33	DETML059SB_1	346919.767 R1	7050408.50	16608724.38															
34	DETML059SB_1	346925.539 R1	7050414.20	16608725.27															
35	DETML059SB_1	346931.310 R1	7050419.90	16608726.14															
36	DETML059SB_1	346937.080 R1	7050425.61	16608726.99															
37	DETML059SB_1	346942.851 R1	7050431.32	16608727.81															
38	DETML059SB_1	346948.621 R1	7050437.04	16608728.61															
39	DETML059SB_1	346954.390 R1	7050442.75	16608729.39															
40	DETML059SB_1	346960.159 R1	7050448.47	16608730.15															
41	DETML059SB_1	346965.927 R1	7050454.20	16608730.88															
42	DETML059SB_1	346971.695 R1	7050459.92	16608731.59															
43	DETML059SB_1	346977.463 R1	7050465.65	16608732.27															
44	DETML059SB_1	346983.229 R1	7050471.37	16608732.94															
45	DETML059SB_1	346988.996 R1	7050477.11	16608733.58															
46	DETML059SB_1	346994.762 R1	7050482.84	16608734.20															
47	DETML059SB_1	347000.528 R1	7050488.57	16608734.79															
48	DETML059SB_1	347006.293 R1	7050494.31	16608735.36															
49	DETML059SB_1	347012.058 R1	7050500.05	16608735.91															
50	DETML059SB_1	347017.822 R1	7050505.79	16608736.44															
51	DETML059SB_1	347023.585 R1	7050511.53	16608736.94															
52	DETML059SB_1	347029.349 R1	7050517.27	16608737.43															
53	DETML059SB_1	347035.111 R1	7050523.02	16608737.88															
54	DETML059SB_1	347040.874 R1	7050528.76	16608738.32															
55	DETML059SB_1	347046.636 R1	7050534.51	16608738.73															
56	DETML059SB_1	347052.397 R1	7050540.26	16608739.12															
57	DETML059SB_1	347058.158 R1	7050546.01	16608739.49															
58	DETML059SB_1	347063.919 R1	7050551.76	16608739.83															
59	DETML059SB_1	347069.678 R1	7050557.51	16608740.14															
60	DETML059SB_1	347075.438 R1	7050563.26	16608740.44															
61	DETML059SB_1							347081.198 R1	7050569.01	16608740.72	347106.221 R1	7050593.98	16608742.37	347131.240 R1	7050619.00	16608743.15			
1	DETML059SB_2							454144.120 R1	7057619.48	16608586.73	454599.227 R1	7058074.08	16608565.28	455054.114 R1	7058529.18	16608568.28			
3	DETML059SB_2							455154.680 R1	7058629.74	16608568.94	455283.701 R1	7058758.76	16608569.79	455412.605 R1	7058887.36	16608580.14			
4	DETML059SB_2							455412.605 R1	7058887.36	16608580.14	455541.626 R1	7059015.97	16608590.49	455670.530 R1	7059144.99	16608591.34			

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	ML059										32.854	431.918	840.037	1465	62.343	
C2	ML059										3.699	445.599	890.888	13800	7.192	
C3	ML059										1.509	306.574	613.112	23278	2.019	
C4	ML059										2.133	314.556	629.040	16900	2.927	
C5	ML059										3.722	549.093	1097.799	16900	8.918	
C1	ML059NB										4.559	457.884	915.285	11503	9.109	
C2	ML059NB										1.509	306.087	612.138	23241	2.016	
C3	ML059NB										4.481	368.176	735.976	9410	7.200	
C4	ML059NB										6.07	498.958	996.983	9410	13.219	
C5	ML059NB										0.004	0.347	0.694	9410	0.000	
C1	ML059SB										32.854	431.918	840.037	1465	62.343	
C2	ML059SB										2.839	427.486	854.798	17253	5.295	
C3	ML059SB										1.509	307.061	614.087	23315	2.022	
C4	ML059SB										1.589	300.031	600.023	21632	2.081	
C1	RETCPershing										90.888	30.469	47.589	30	12.759	
C1	RETDPershing										89.112	29.538	46.659	30	12.101	
C1	RETAWood										77.538	48.188	81.198	60	16.955	
C1	RETBWood										79.842	50.205	83.610	60	18.234	
C1	RETCWood										89.284	49.379	77.915	50	20.273	
C1	RETDWood										90.716	50.629	79.165	50	21.157	
C1	RETCLavista										90	25.000	39.270	25	10.355	
C1	RETDLavista										90	25.000	39.270	25	10.355	
C1	SRMarty										34.164	41.485	80.498	135	6.230	
C1	RETA_SRMarty										44.896	20.657	39.179	50	4.099	
C1	RETB_SRMarty										34.401	38.695	75.051	125	5.852	
C1	RETCYork										91.283	122.718	191.183	120	51.639	
C1	RETDYork										88.717	122.231	193.550	125	49.830	
C1	SUR_ML059NB										4.559	457.884	915.285	11503	9.109	
C2	SUR_ML059NB										1.509	306.087	612.138	23241	2.016	
C3	SUR_ML059NB										5.082	128.136	256.105	2887	2.842	
C4	SUR_ML059NB										6.671	332.299	663.847	5701	9.676	
C1	SURML059SB										2.839	427.486	854.798	17253	5.295	
C2	SURML059SB										1.509	307.061	614.087	23315	2.022	
C3	SURML059SB										1.589	300.031	600.023	21632	2.081	
C1	RMP059B										6.626	94.771	189.330	1637	2.741	
C1	RETARMP059B										102.046	30.898	44.526	25	14.745	
C1	RETBRMP059B										75.664	77.657	132.058	100	26.612	
C1	RMP059C										12.113	121.588	242.270	1146	6.432	
C1	RETARMP059C										78.523	187.994	315.211	230	67.055	
C1	RETBRMP059B										101.477	30.586	44.278	25	14.503	
C1	RMP059D										19.349	195.360	387.000	1146	16.532	
C1	RETCRMP059D										70.005	140.054	244.363	200	44.162	
C1	RETDRMP059D										109.995	35.701	47.994	25	18.584	
C1	RMP059E										15.619	224.537	446.290	1637	15.326	
C1	RETCRMP059E										109.145	35.142	47.623	25	18.128	
C1	RETDRMP059E										70.855	81.810	142.216	115	26.131	
C1	RETAENT8524R										87.19	54.271	86.740	57	21.704	
C1	RETBENT8524R										93.245	69.848	107.411	66	30.098	
C1	ENT1034L										10.87	33.300	66.400	350	1.581	
C3	ENT1034L										65.45	38.556	68.539	60	11.320	
C3	ENT1034L										15.101	13.255	26.356	100	0.875	
C1	DETML059NB_1										0.081	1.057	2.115	1497	0.000	
C1	DETML059NB_2										1.245	183.251	366.487	16870	0.995	
C2	DETML059NB_2										4.222	129.024	257.930	3500	2.377	
C3	DETML059NB_2										4.222	129.024	257.930	3500	2.377	
C1	DETML059SB_1										1.983	25.024	50.042	1446	0.217	

101-18
04-19-11

SUPERELEVATION DATA

See PV-300 Series

Road Identification	Circular Curve or Spiral Curve Name	Radius	Superelevation Data			Standard Road Plan	Section A-A	Section B-B	Section C-C	Section D-D	Section E-E	Section F-F	Case A	Case B	Case C	Case S	Case T	Case U	Remarks
			e	L	x														
		FT	%	FT	FT														
US 59 SB		1465	4.2	89	43	PV-301	7461+90.41	7462+33.41	7462+76.41	7463+22.41			7462+95.71			7463+18.17	7463+18.17		
							7472+41.05	7471+98.05	7471+55.05	7471+09.05			7471+35.75			7471+13.29	7471+13.29		
US 59 NB		1465	4.2	89	43	PV-301	8461+90.41	8462+33.41	8462+76.41	8463+22.41			8462+95.71			8463+18.17	8463+18.17		
							8472+41.05	8471+98.05	8471+55.05	8471+09.05			8471+35.75			8471+13.29	8471+13.29		

101-10
04-21-15

PAINTED ISLANDS

Refer to PM-110, 560-5, and 108-22.

Offsets are located from mainline.

Road Identification	Point A		Point B		Point C		Remarks
	Station	Offset FT	Station	Offset FT	Station	Offset FT	
York Rd	5530+30.05	14.4	5530+29.75	28.0	5530+54.43	14.4	

108-23A
08-01-08

TRAFFIC CONTROL PLAN

US 59 mainline and I-80 ramp traffic shall be maintained at all times.

No Lane Closures allowed:
- Mon-Fri: 6 AM - 6 PM Daily

Sideroad traffic shall be maintained at all times except as noted below:

- SRPershing & SRWilson shall not be closed at the same time.
- SRYork & ENT8524R shall not be closed at the same time.
- SRLavista to be maintained access throughout project.

Contractor shall construct in a manner ensuring a dropoff of no more than 10" is present at any point outside of working hours. A temporary fillet is required for any dropoff outside of working hours.

Contractor shall contact IOWA DOT Avoca Maintenance Garage to coordinate temporary driveway construction along Wood St. at least 2 weeks prior to anticipated start of Stage 2A to ensure access at all times.
Contact Information: Russ Holbert / (712) 343-2655 / Russ.Holbert@iowadot.us

111-01
04-17-12

COORDINATED OPERATIONS

Other work in progress during the same period of time will include the construction of the projects listed. Coordinate operations with those of other contractors working within the same area.

Project	Type of Work
None provided	

108-25
10-21-14

511 TRAVEL RESTRICTIONS

Route	Direction	County	Location Description	Feature Crossed	Object Type	Maint. Bridge No., Structure ID, or FHWA No.	Type of Restriction	Existing Measurement	Construction Measurement	Construction Measurement as Signed	Projected As Built Measurement	Remarks
			No Travel Restrictions expected at this time									

STAGING NOTES

Stage 1:

Traffic:
All traffic in normal lanes and open to traffic

Construction:
(A) Grade and pave temporary pavement on NB US 59 from Sta. 466+50 to Sta. 484+66 and Sta. 542+10 to Sta. 555+40.
(B) Grade and pave temporary median crossovers from Sta. 508+96.18 to Sta. 509+96.59, Sta. 517+02.01 to Sta. 518+09.54, and Sta. 524+76.12 to Sta. 525+75.
(C) Grade and pave temporary pavement on Ramp B from Sta. 2649+20 to Sta. 2653+62.43.
(D) Grade and pave temporary pavement on Ramp C from Sta.3648+90 to Sta. 3653+39.07.
(E) Grade and pave temporary pavement on Ramp D from Sta. 4653+82.63 to Sta. 4657+40.
(F) Grade and pave temporary pavement on Ramp E from Sta. 5653+50.77 to Sta. 5658+40.
(G) Grade and pave temporary pavement on WB Wood St. West from Sta. 2474+20 to Sta. 2475+20.
(H) Build temporary entrance for DOT Garage at Sta. 2471+87.42 (SRWoodWest) in front of existing gate.
(I) Grade and pave temporary pavement on EB York from Sta. 5530+89.87 to Sta. 5532+56.29 and Sta. 5533+26.12 to Sta. 5533+95.59.

Stage 2A:

Traffic:
NB and SB US 59 traffic to shift head to head on the exisiting NB Lanes.
All side roads, ramps, and entrances shall remain open unless otherwise specified below.
Pershing St closed to traffic.
Wood St West shall maintain traffic in a single lane for both directions through the use of temporary signals.
Wood St East closed to traffic.
ENT7472L (DOT Garage) to be closed to traffic during construction. The temporary entrance on Wood St. will be opened.
ENT2225L closed to traffic.
Entrance in front of Casey's closed to traffic.

Construction:
(A) Remove exisitng US 59 SB pavement from Sta. 471+35.75 to Sta. 476+36, Sta. 484+00.00 to Sta. 493+24.05, Sta. 493+76.05 to Sta. 509+42.59, Sta. 517+44.56 to Sta. 524+62.44, and Sta. 529+74.66 to Sta. 551+53.00.
(B) Grade and pave US 59 SB pavement from Sta. 471+35.75 to Sta. 476+34.84, Sta. 484+00.00 to Sta. 493+23.77, Sta. 493+76.05 to Sta. 509+39.68, Sta. 517+46.49 to Sta. 524+62.44, and Sta. 529+76.51 to Sta. 551+53.00.
(C) Grade and pave half of SRWoodWest Sta. 2474+90 to Sta. 2476+15.34.
(D) Grade and pave half of SRMarty from Sta. 4423+73.44 to Sta. 4424+13.41.
(E) Grade and pave half of Ramp B from Sta. 2652+70 to Sta. 2653+67.72
(F) Grade and pave half of Ramp C from Sta. 3151+30 to Sta. 3653+43.81.
(G) Grade and pave ENT7472L, ENT2225L, and ENT1034L
(H) Grade and pave temporary pavement on US 59 SB from Sta. 467+34.79 to Sta. 471+35.75 and Sta.544+14.37 to Sta. 556+35
(I) Grade and pave temporary median crossovers on SB US 59 from Sta. 501+35 to Sta. 502+00, Sta. 506+70 to Sta. 508+27, Sta. 518+56 to Sta. 519+77, Sta. 523+75 to Sta. 524+62.44 and Sta. 530+12 to Sta. 530+32.

Stage 2B:

Traffic:
NB and SB US 59 traffic to continue head to head on the exisiting NB Lanes.
All side roads, ramps, and entrances shall remain open unless otherwise specified below.
Pershing St closed to traffic.
Wood St West shall maintain traffic in a single lane for both directions through the use of temporary signals
Wood St East closed to traffic.
ENT2242L closed to traffic.
Entrance in front of Casey's closed to traffic.

Construction:
(A) Remove exisitng US 59 SB pavement from Sta. 476+34.84 to Sta. 484+00.00, Sta. 493+23.66 to Sta. 493+75.93, Sta. 508+86.42 to Sta. 511+54.38, Sta. 515+24.62 to Sta. 518+39.16, and Sta. 524+62.44 to Sta. 529+75.59.
(B) Remove existing US 59 median pavement from Sta. 508+78.25 to Sta. 510+75.69, Sta. 516+58.62 to Sta. 518+39.16, and Sta. 528+28.88 to Sta. 530+11.
(C) Remove temporary median crossovers from Sta. 508+96.18 to Sta. 509+96.59, Sta. 517+02.01 to Sta.518+09.58, and Sta. 524+76.02 to Sta. 525+75.
(D) Grade and pave US 59 SB pavement from Sta. 476+34.84 to Sta. 484+00.00, Sta. 493+23.77 to Sta. 493+76.04, Sta. 508+50 to Sta. 511+54.38, Sta. 515+24.62 to Sta. 518+40, and Sta. 524+62.44 to Sta. 529+76.51.
(E) Grade and pave half of SRWoodWest from Sta. 2474+90 to Sta. 2476+15.34.
(F) Grade and pave half of SRMarty from Sta. 4423+73.44 to Sta. 4424+13.41.
(G) Grade and pave half of Ramp B from Sta. 2652+70 to Sta. 2653+67.72.
(H) Grade and pave half of Ramp C from Sta. 3651+30 to Sta. 3653+41.46.
(I) Grade and pave ENT2242L.
(J) Grade and pave temporary median pavement from Sta. 508+78.23 to Sta. 509+88.23, Sta. 517+57.41 to Sta. 518+36.41, Sta. 524+62.44 to Sta. 525+50.36, and Sta. 528+61.62 to Sta. 529+68.38.

All SB signing to be completed prior to opening SB lanes.
Winter condition after Stage 2B.

108-26A
08-01-08

STAGING NOTES

Stage 3:

Traffic:
NB traffic to remain on existing NB lanes and SB traffic to shift onto newly constructed SB lanes for winter condition.
All side roads, ramps, and entrances shall remain open unless otherwise specified below.
Pershing St closed to traffic.
Wood St West shall maintain traffic in a single lane for both directions through the use of temporary signals
Wood St East closed to traffic.
ENT2242L closed to traffic.
Entrance in front of Casey's closed to traffic.

Construction:
No construction during winter condition.

Stage 4A:

Traffic:
NB and SB US 59 traffic to shift head to head on previously constructed SB Lanes.
All side roads, ramps, and entrances shall remain open unless otherwise specified below.
Between BOP and Wood St, signalized, single lane traffic
Wood St West signalized; open to traffic.
Wood St East closed to traffic
Pershing St closed to traffic
Lavista Rd shall have maintained access.
ENT7472L (DOT Garage) will remain closed with temporary access on Wood St being maintained.
Entrance in front of Casey's closed to traffic.

Construction:
(A) Remove temporary pavement on exisitng US 59 NB from Sta. 466+50.00 to Sta. 486+66.00 and Sta. 542+10.00 to Sta 555+40.
(B) Remove temporary median pavement from Sta. 507+01.50 to Sta. 508+27.16, Sta. 518+55.58 to Sta. 519+76.49, 523+75.18 to Sta. 524+62.44, and Sta. 530+12.35 to Sta. 530+32.94.
(C) Remove existing pavement on NB US 59 from Sta. 471+35.75 to Sta. 508+78.23, Sta. 518+29.73 to Sta. 524+48.20, and Sta. 529+68.38 to Sta. 551+53.00.
(D) Grade and pave US 59 NB from Sta. 471+35.75 to Sta. 508+78.23, Sta. 518+29.76 to Sta. 524+48.20, and Sta. 529+68.38 to Sta. 551+53.00.
(E) Grade and pave half of Ramp D from Sta. 4653+74.26 to Sta. 4655+40.
(F) Grade and pave half fo Ramp E from Sta. 5653+45.23 to Sta. 5655+00.
(G) Grade and pave half of SRYork from Sta. 5530+17.39 to Sta. 5655+00.
(H) Grade and pave SRPershing from Sta. 1472+23.63 to Sta. 1472+55.
(I) Grade and pave SRWoodEast from Sta. 2476+42.27 to Sta. 2476+95.
(J) Grade and pave SRLavista from Sta. 3502+15.91 to Sta. 3502+42.
(K) Grade and pave half of ENT8524R.

Stage 4B:

Traffic:
NB and SB US 59 traffic to continue head to head on previously constructed SB Lanes.
All side roads, ramps, and entrances open to traffic

Construction:
(A) Remove temporary pavement in the median from Sta. 508+78.23 to Sta. 509+62.51, Sta. 517+56.49 to Sta. 518+29.72, and Sta. 524+50.00 to 525+50.00.
(B) Remove temporary pavement on SRYork from Sta. 5530+89.87 to Sta. 5532+56.29, Sta. 5530+97.82 to Sta. 5531+62.17, and Sta. 5533+26.12 to Sta. 5533+95.59. Remove only when all construction on SRYork is complete.
(B) Remove temporary pavement on Ramp D from Sta. 4653+82.63 to Sta. 4657+40.
(C) Remove temporary pavement on Ramp E from Sta. 5653+50.77 to Sta. 5658+40.
(D) Remove existing pavement on US 59 NB from Sta. 508+78.23 to Sta. 511+57.16, Sta. 515+16.29 to Sta. 518+29.72, and Sta. 524+50.00 to Sta. 529+68.38
(E) Grade and pave US 59 NB from Sta. 508+78.23 to Sta. 511+57.16, Sta. 515+16.85 to Sta. 518+29.73, and Sta. 524+48.20 to Sta. 529+68.38
(E) Grade and pave half of Ramp D from Sta. 4653+80.08 to Sta. 4655+40.
(F) Grade and pave half of Ramp E from Sta. 5653+48.74 to Sta. 5655+00.
(G) Grade and pave half of SRYork from Sta. 5530+17.39 to Sta. 5531+45.
(G) Grade and pave half of ENT8524R.

Stage 5:

Traffic:
US 59 open to NB and SB traffic. All traffic in normal lanes.

Construction:
Completed

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 Subbase
- Proposed Special Backfill
- Temporary Barrier Rail
- Proposed Granular Shoulder
- Temporary Shoulder
- Existing Shoulder Strengthening
- 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
Orange	(6)	Proposed Granular Surface Shading
Gray, Med	(80)	Previously Constructed Granular Surface Shading
Blue, Light	(230)	Proposed Pavement Shading
Pink, Dark	(13)	Temporary Pavement Shading
Brown, Light	(236)	Proposed Grading Limits Shading
Green, Dark	(233)	Existing Granular Surface
Red	(3)	Proposed Bridge Shading and Sign Trusses
Black w/Gray, Light Fill	(0,48)	Previously Constructed Structure
Lavender	(9)	Previously Constructed Temporary Pavement

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

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

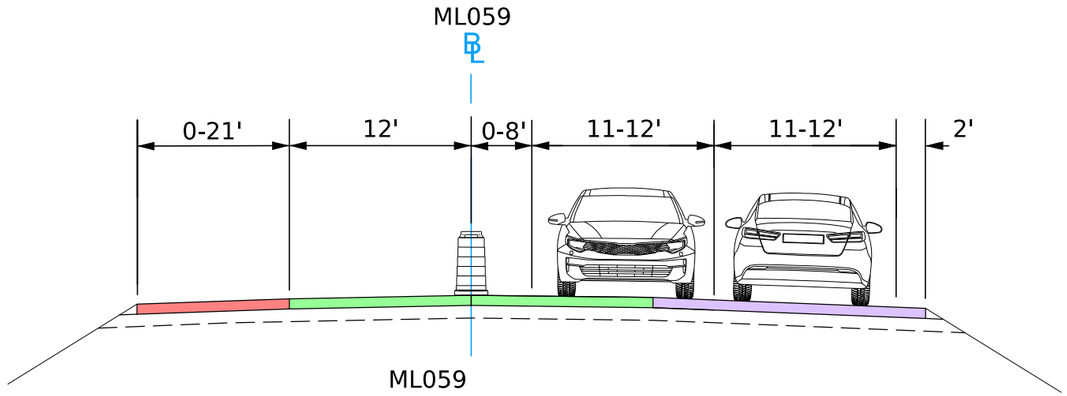
NOTE: Device spacing according to Standard Road Plans unless specifically dimensioned.

TRAFFIC CONTROL AND STAGING LEGEND AND SYMBOL INFORMATION SHEET

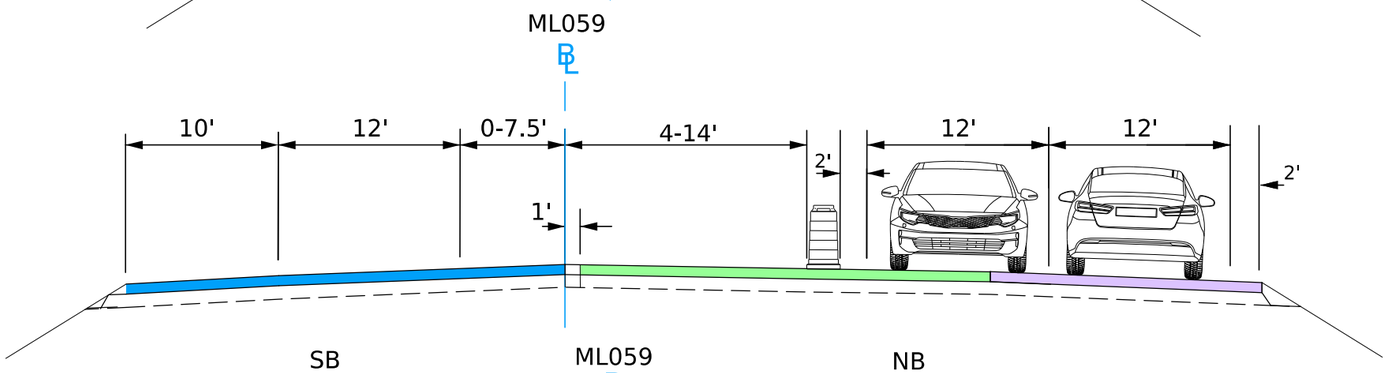
(COVERS SHEET SERIES J)

Stage 2A/2B

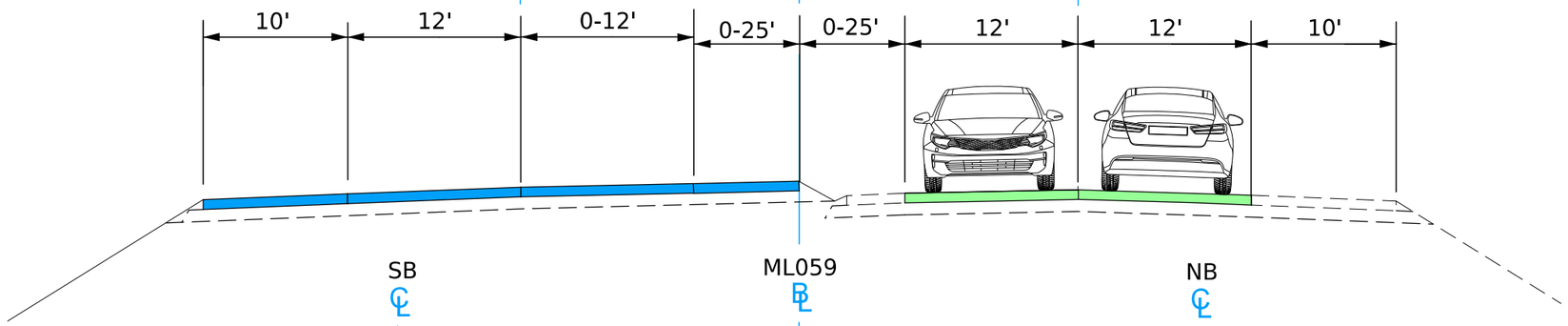
Sta. 466+50.00 to Sta. 471+35.75
Sta. 551+53.00 to Sta. 556+35.00



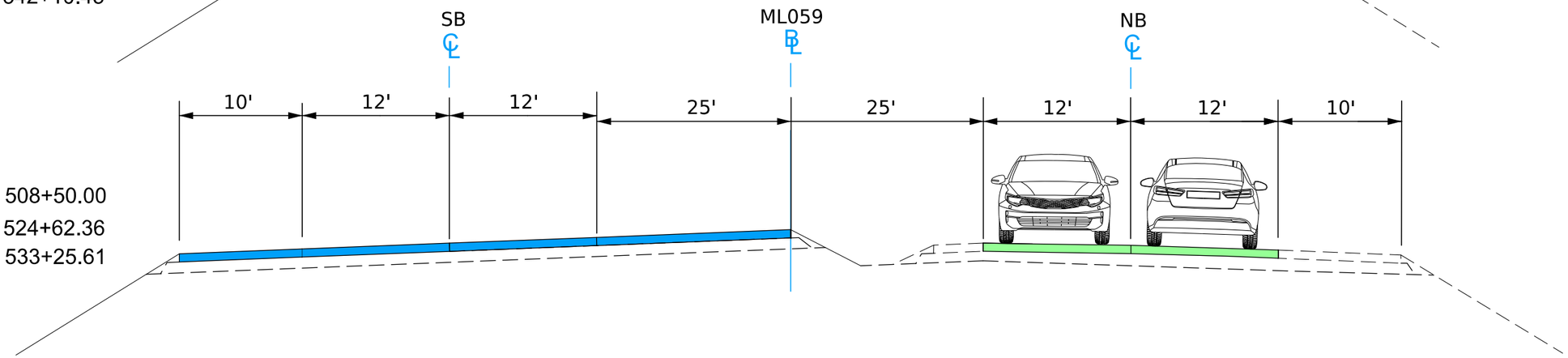
Sta. 471+35.75 to Sta. 476+35.94



Sta. 484+00.00 to Sta. 493+24.29
Sta. 493+76.53 to Sta. 500+48.44
Sta. 533+25.61 to Sta. 542+10.45



Sta. 500+48.44 to Sta. 508+50.00
Sta. 518+40.00 to Sta. 524+62.36
Sta. 529+76.50 to Sta. 533+25.61

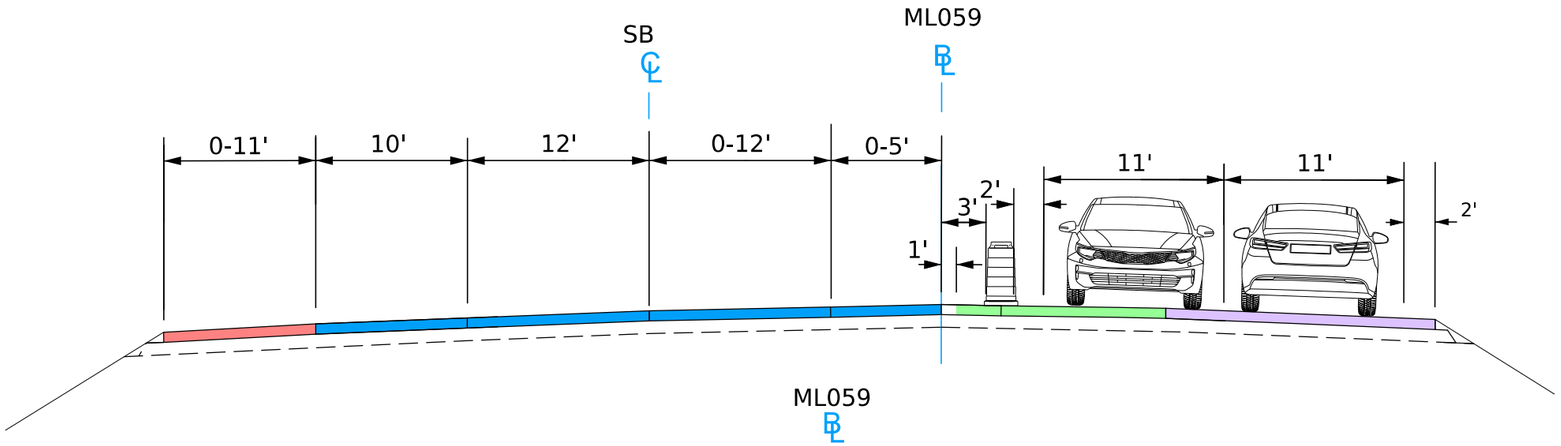


FILE NO.	ENGLISH	DESIGN TEAM **Flattery\Bell\Boudreaux\Schinstock**	**POTTAWATTAMIE** COUNTY	PROJECT NUMBER **NHSX-059-3(056)--3H-78**	SHEET NUMBER **J.4**

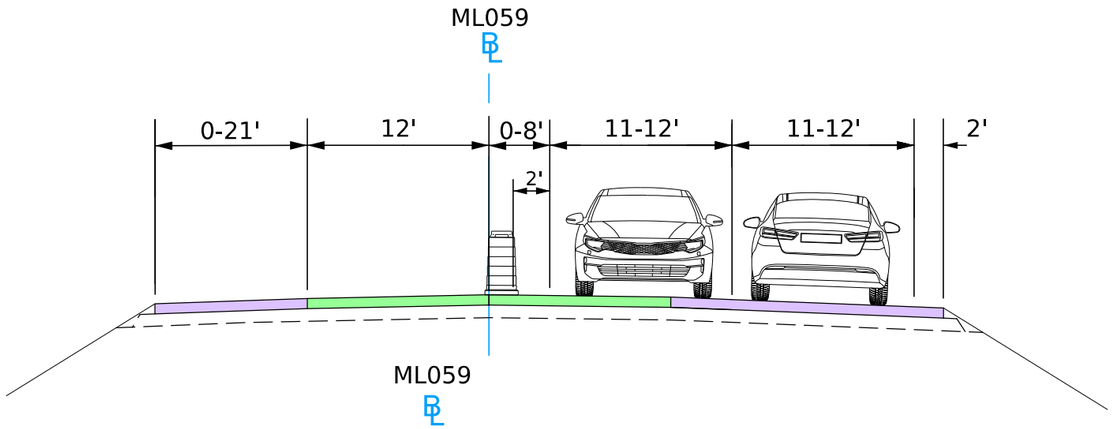
8:21:17 AM 9/28/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J03_78059056Z06.dgn

Stage 2A/2B Cont.

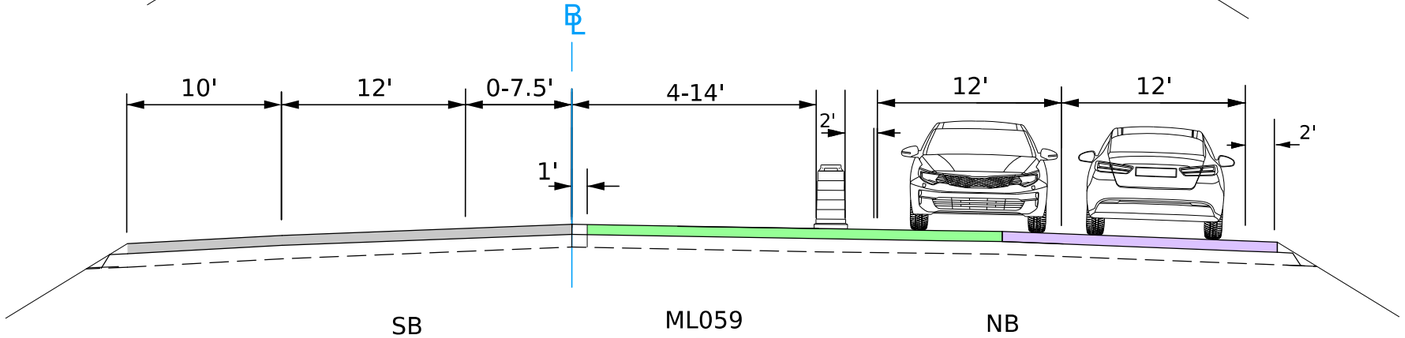
Sta. 542+10.47 to Sta. 551+53.00



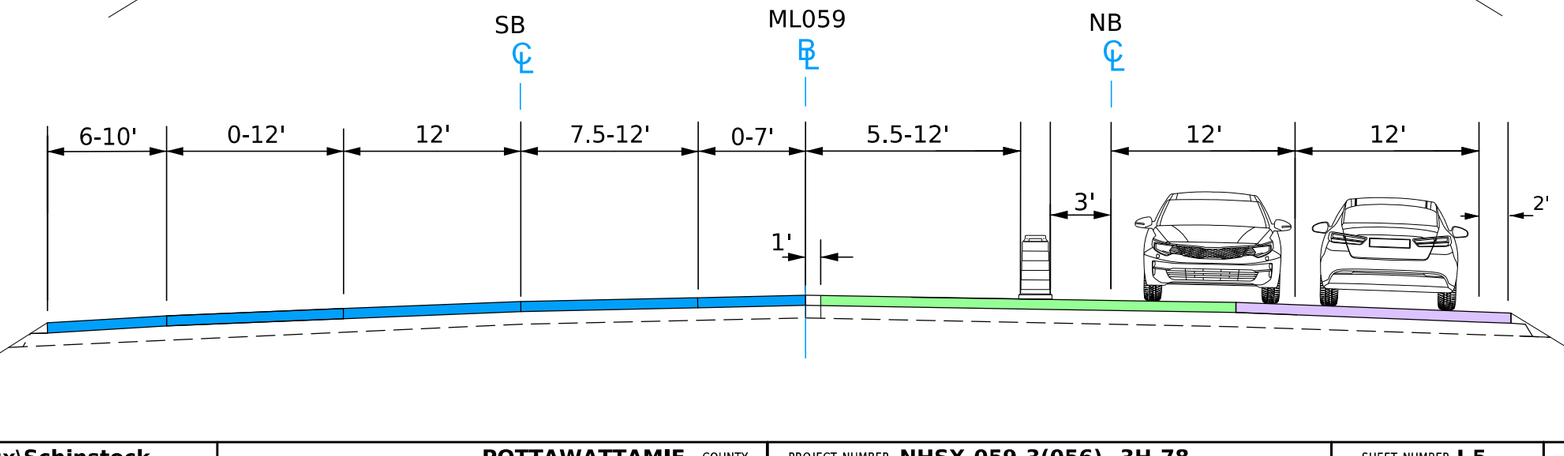
Sta. 466+50.00 to Sta. 471+35.75
Sta. 551+53.00 to Sta. 556+35.00



Sta. 471+35.75 to Sta. 476+35.94



Sta. 476+85.15 to Sta. 484+00.00

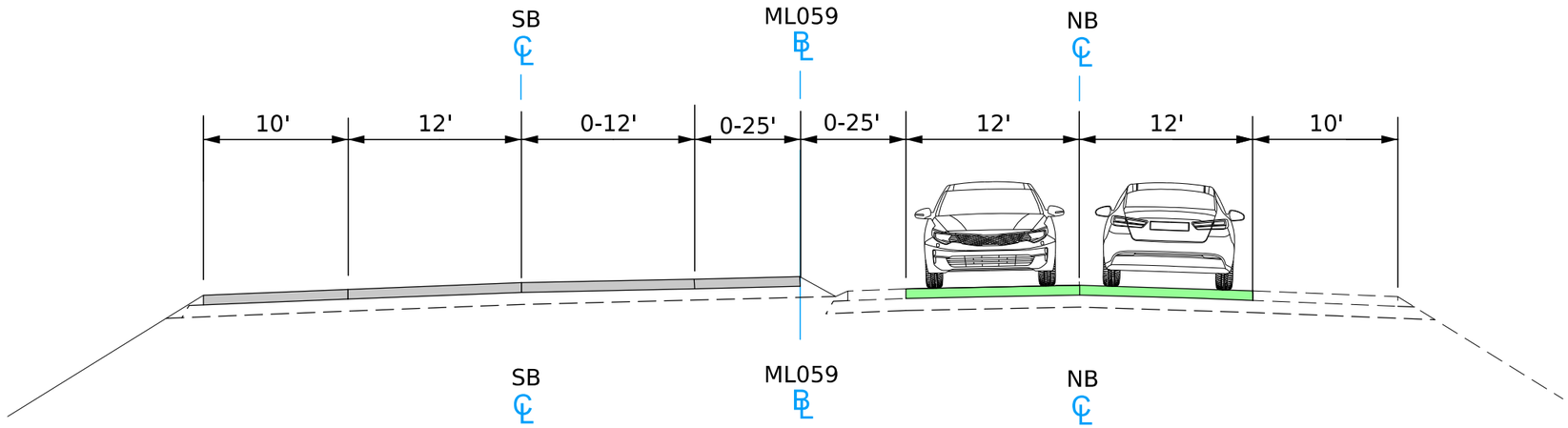


FILE NO.	ENGLISH	DESIGN TEAM **Flattery\Bell\Boudreaux\Schinstock**	**POTTAWATTAMIE** COUNTY	PROJECT NUMBER **NHSX-059-3(056)--3H-78**	SHEET NUMBER **J.5**

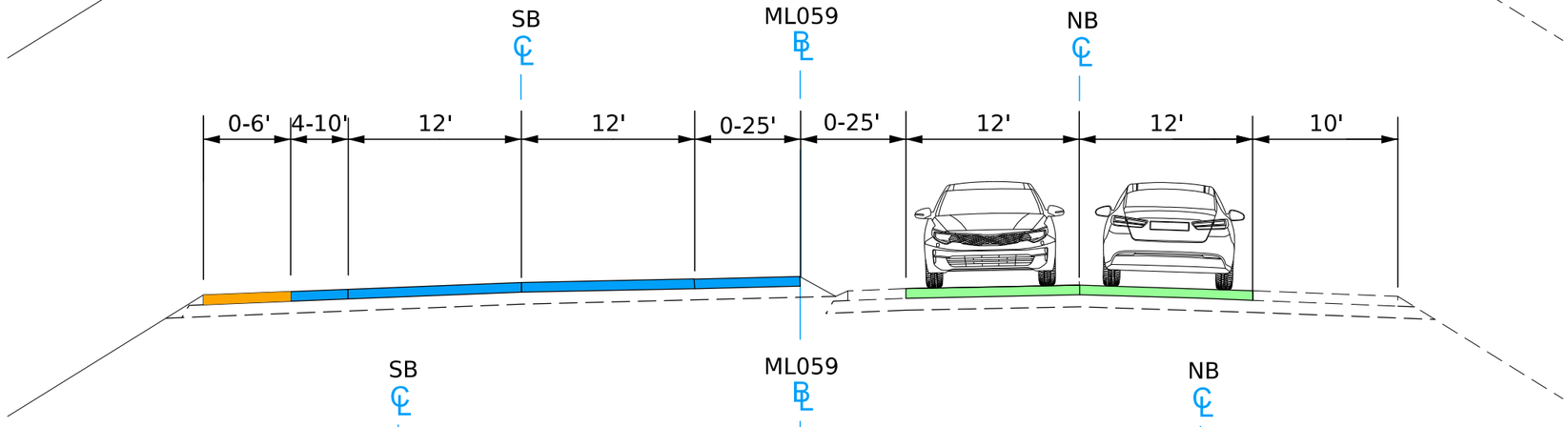
8:21:18 AM 9/28/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J03_78059056Z06.dgn

Stage 2A/2B Cont.

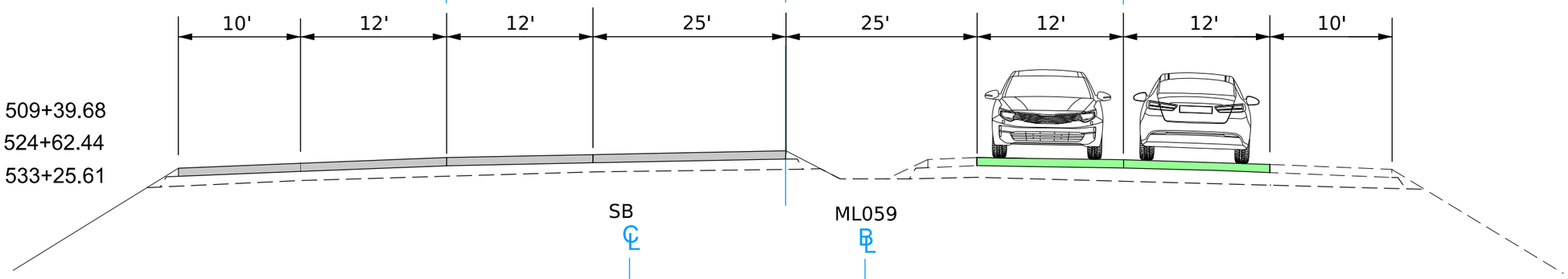
Sta. 484+00.00 to Sta. 493+24.29
Sta. 493+76.53 to Sta. 500+48.44
Sta. 533+25.61 to Sta. 542+10.45



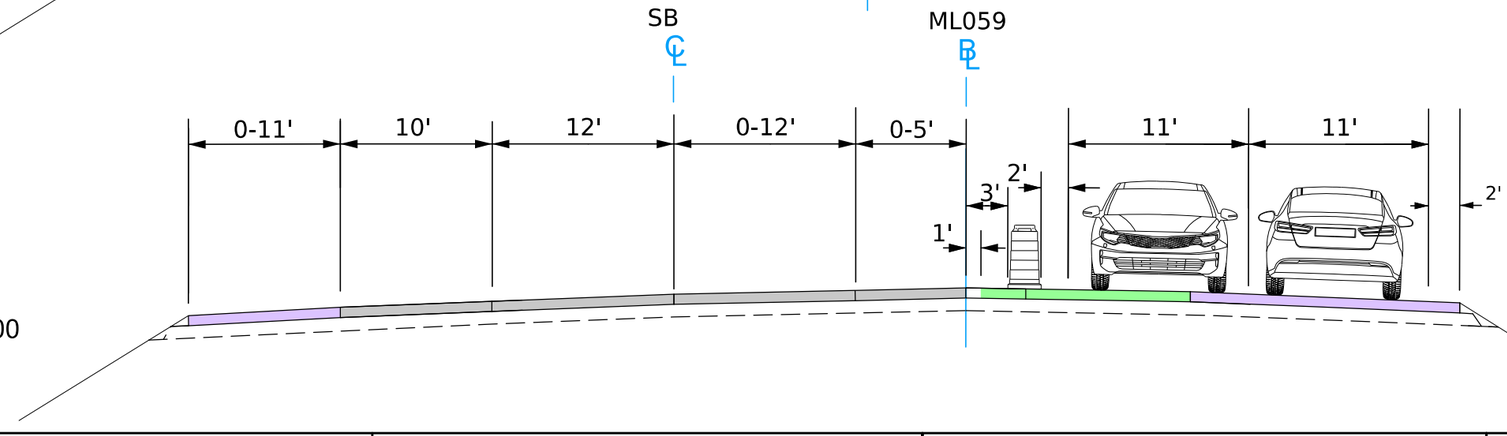
Sta. 493+24.29 to Sta. 493+76.53
Sta. 509+39.68 to Sta. 511+54.38
Sta. 515+24.62 to Sta. 517+46.50
Sta. 524+62.44 to Sta. 529+76.50



Sta. 500+48.44 to Sta. 509+39.68
Sta. 517+46.50 to Sta. 524+62.44
Sta. 529+76.50 to Sta. 533+25.61



Sta. 542+10.47 to Sta. 551+53.00

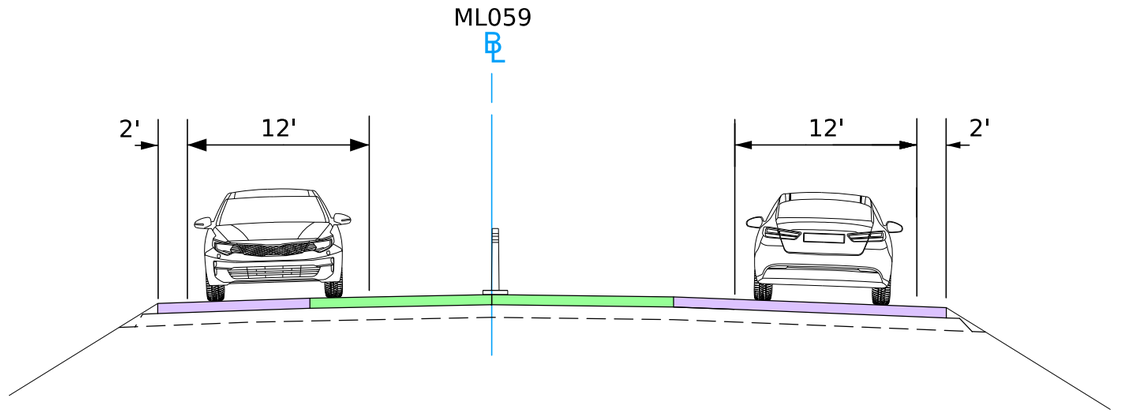


FILE NO.	ENGLISH	DESIGN TEAM **Flattery\Bell\Boudreaux\Schinstock**	**POTTAWATTAMIE** COUNTY	PROJECT NUMBER **NHSX-059-3(056)--3H-78**	SHEET NUMBER **J.6**

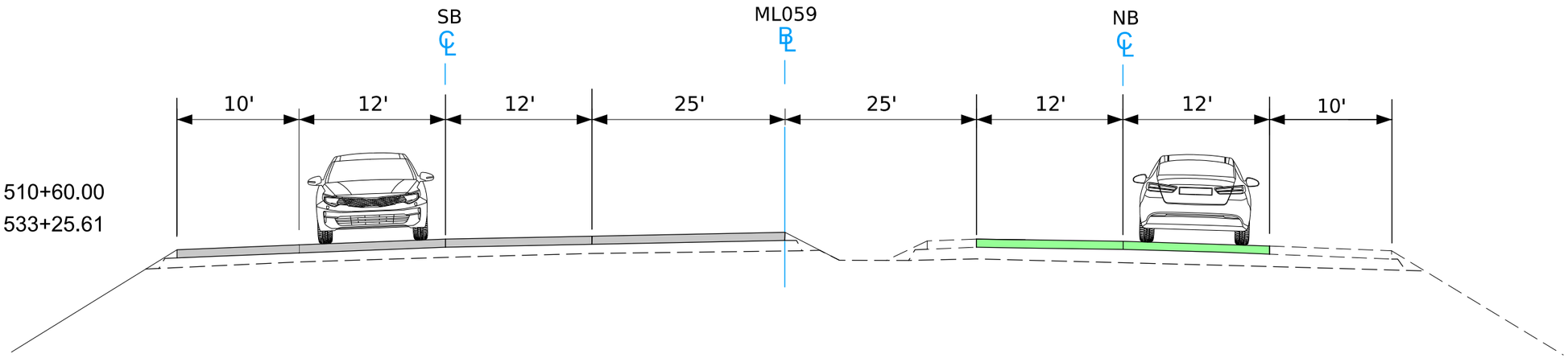
8:21:18 AM 9/28/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J03_78059056Z06.dgn

Stage 3

Sta. 466+50.00 to Sta. 471+35.75
Sta. 551+53.00 to Sta. 556+35.00



Sta. 500+48.44 to Sta. 510+60.00
Sta. 516+60.00 to Sta. 533+25.61

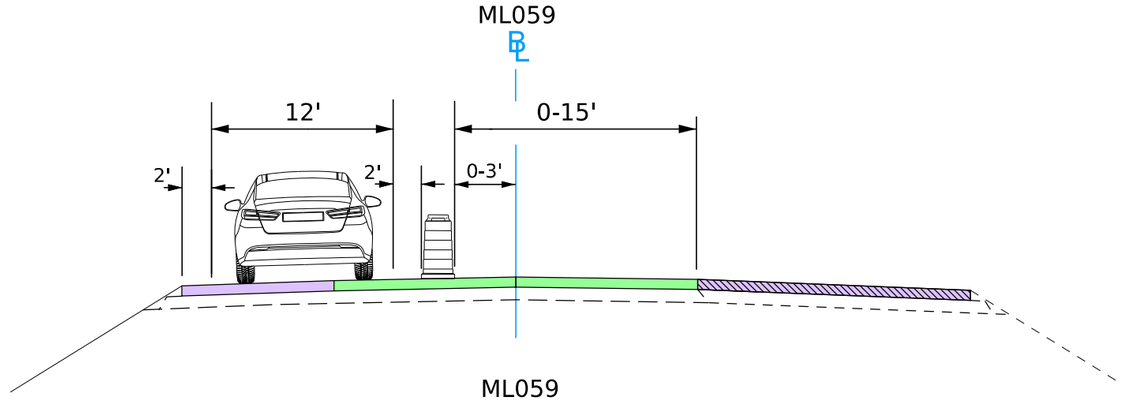


FILE NO.	ENGLISH	DESIGN TEAM **Flattery\Bell\Boudreaux\Schinstock**	**POTTAWATTAMIE** COUNTY	PROJECT NUMBER **NHSX-059-3(056)--3H-78**	SHEET NUMBER **J.7**	

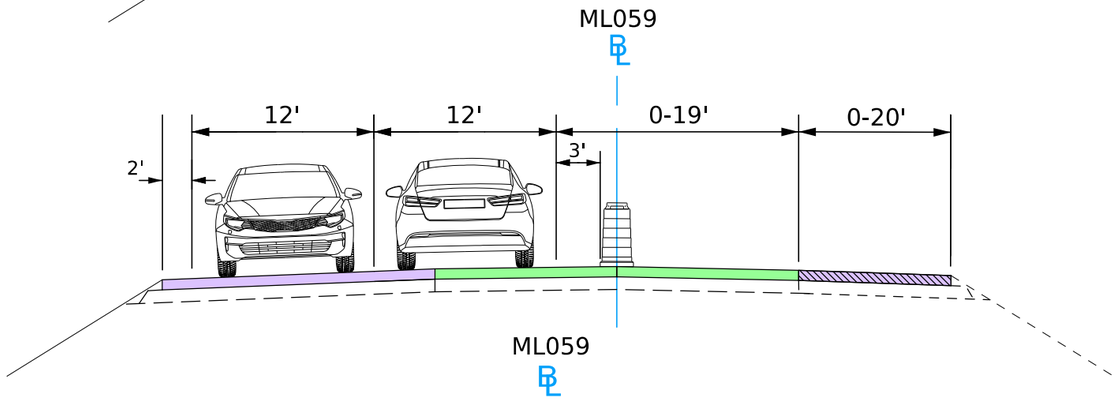
8:21:19 AM 9/28/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J03_78059056Z06.dgn

Stage 4A/4B

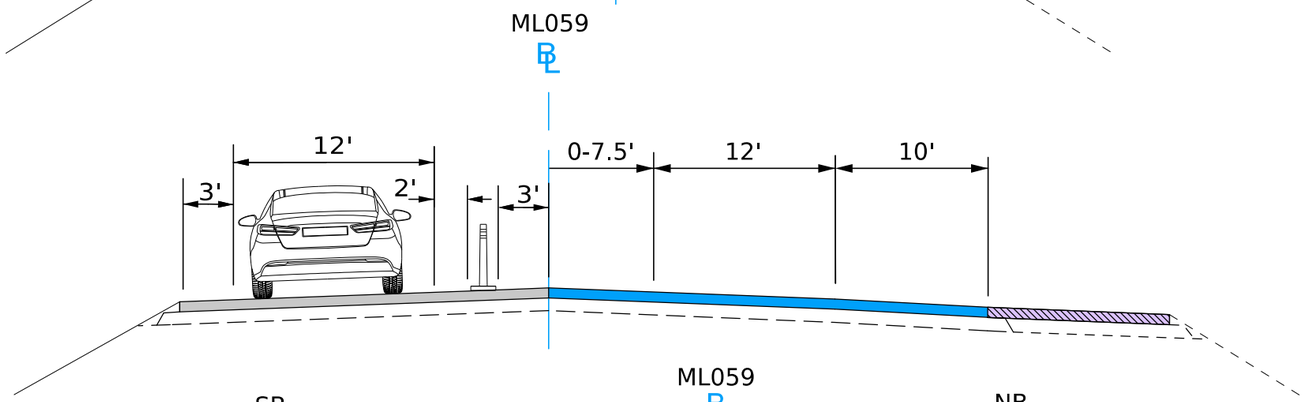
Sta. 466+50.00 to Sta. 471+35.75



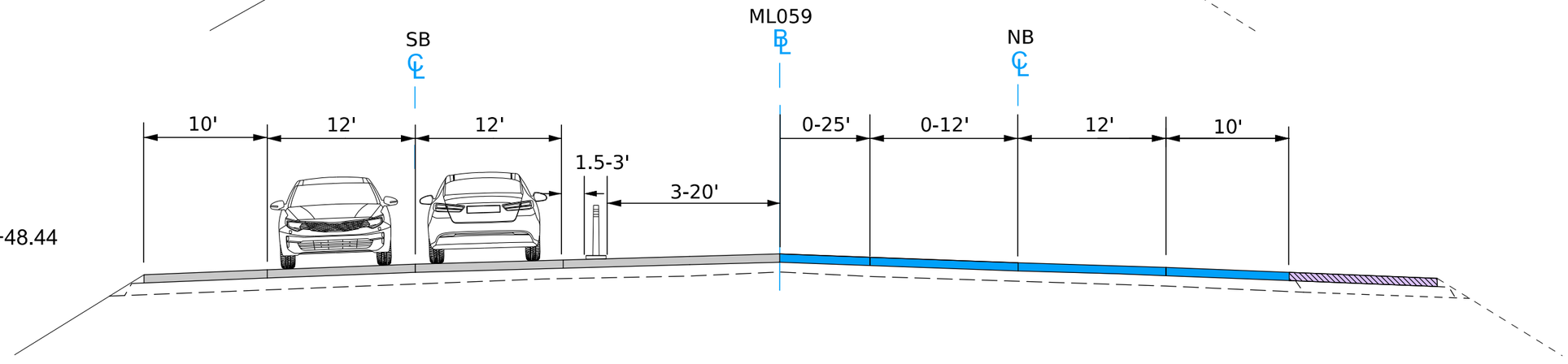
Sta. 551+53.00 to Sta. 556+35.00



Sta. 471+35.75 to Sta. 476+34.84



Sta. 476+34.84 to Sta. 500+48.44

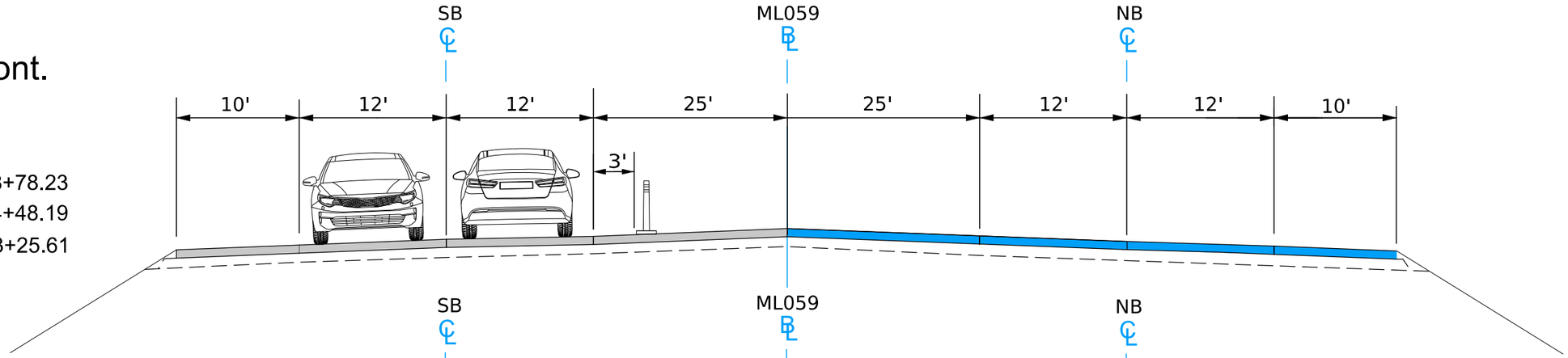


FILE NO.	ENGLISH	DESIGN TEAM **Flattery\Bell\Boudreaux\Schinstock**	**POTTAWATTAMIE** COUNTY	PROJECT NUMBER **NHSX-059-3(056)--3H-78**	SHEET NUMBER **J.8**

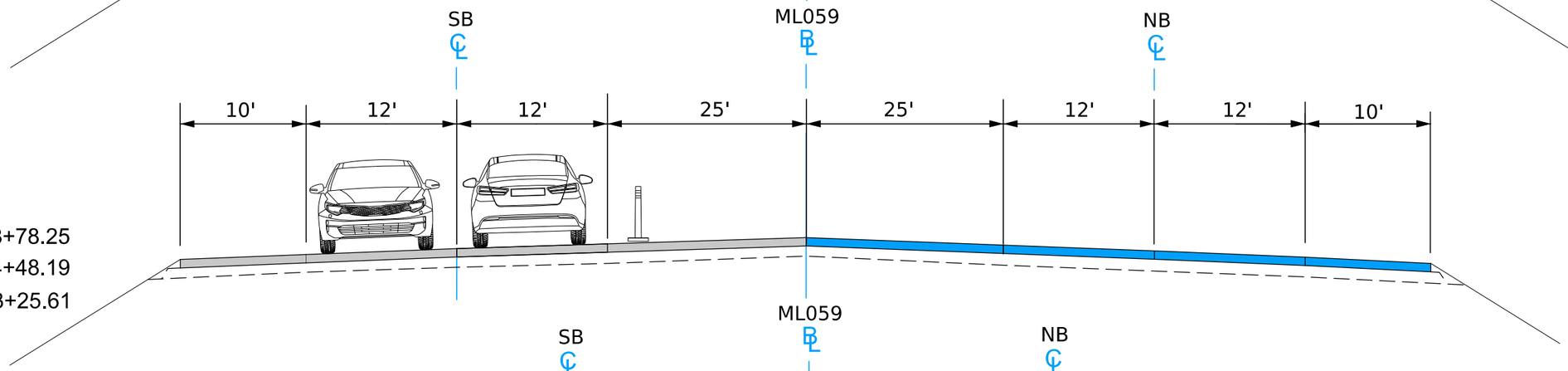
8:21:19 AM 9/28/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J03_78059056Z06.dgn

Stage 4A/4B Cont.

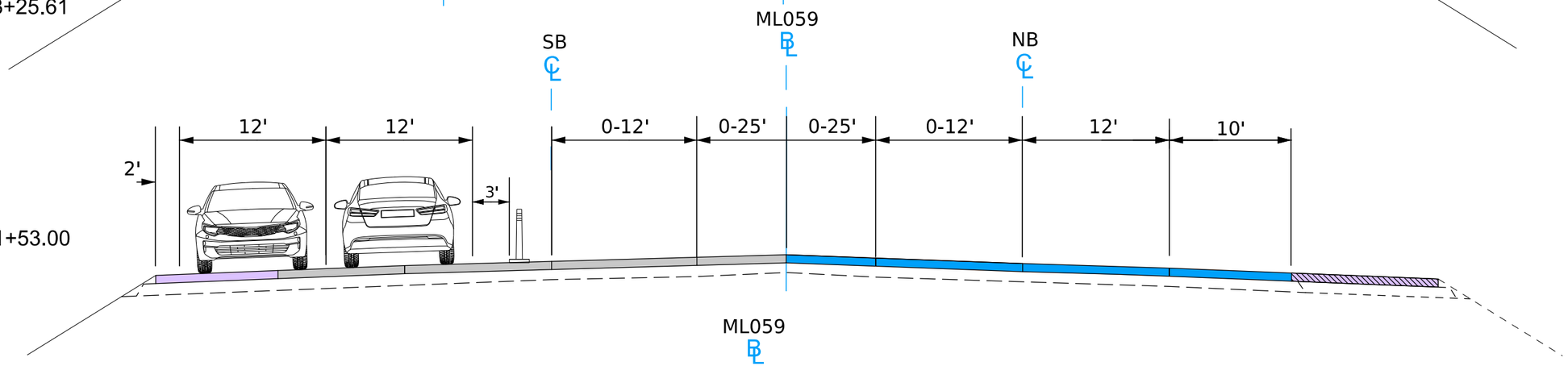
Sta. 500+48.44 to Sta. 508+78.23
Sta. 518+29.73 to Sta. 524+48.19
Sta. 529+68.38 to Sta. 533+25.61



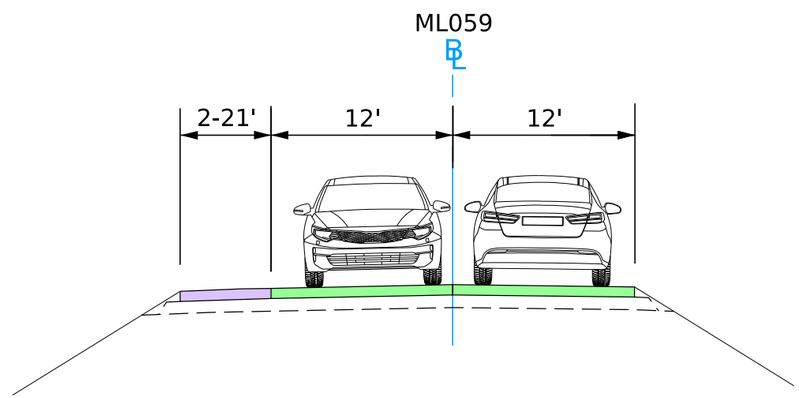
Sta. 500+48.44 to Sta. 508+78.25
Sta. 518+29.73 to Sta. 524+48.19
Sta. 529+68.38 to Sta. 533+25.61



Sta. 533+25.61 to Sta. 551+53.00



Sta. 467+58.70 to Sta. 471+35.00
Sta. 551+53.00 to Sta. 556+35.00

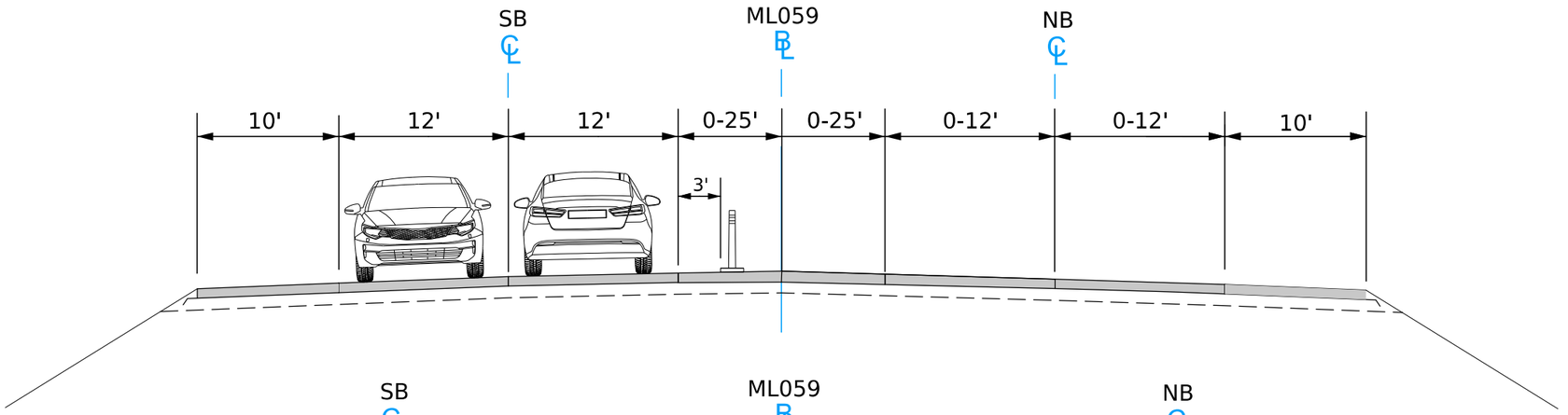


FILE NO.	ENGLISH	DESIGN TEAM **Flattery\Bell\Boudreaux\Schinstock**	**POTTAWATTAMIE** COUNTY	PROJECT NUMBER **NHSX-059-3(056)--3H-78**	SHEET NUMBER **J.9**

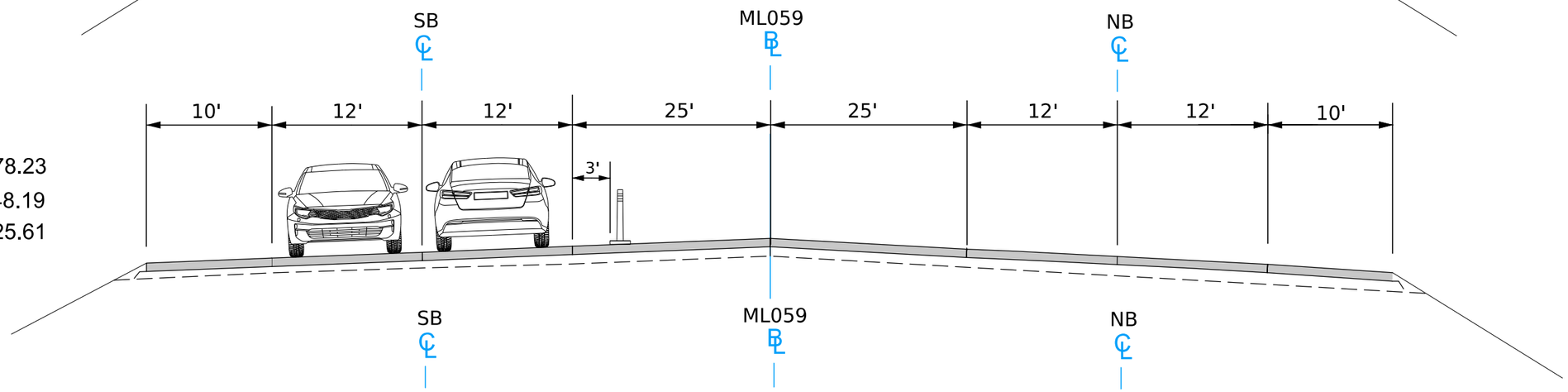
8:21:20 AM 9/28/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J03_78059056Z06.dgn

Stage 4A/4B Cont.

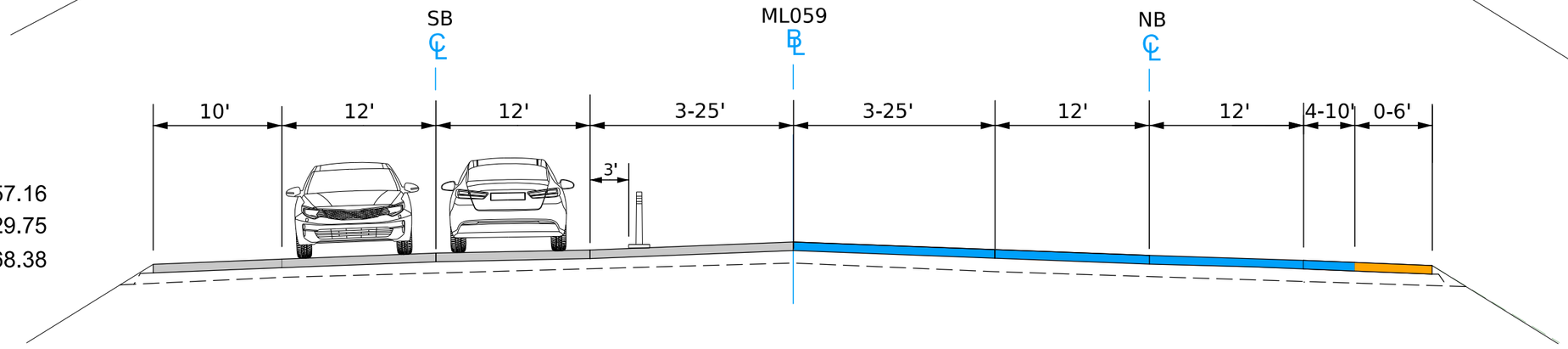
Sta. 471+35.00 to Sta. 500+48.44
Sta. 533+25.61 to Sta. 551+53.00



Sta. 500+48.44 to Sta. 508+78.23
Sta. 518+29.75 to Sta. 524+48.19
Sta. 529+68.38 to Sta. 533+25.61



Sta. 508+78.23 to Sta. 511+57.16
Sta. 515+16.85 to Sta. 518+29.75
Sta. 524+48.19 to Sta. 529+68.38





FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER J.11	

12:12:53 PM 8/28/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J09_78059056Z06.dgn

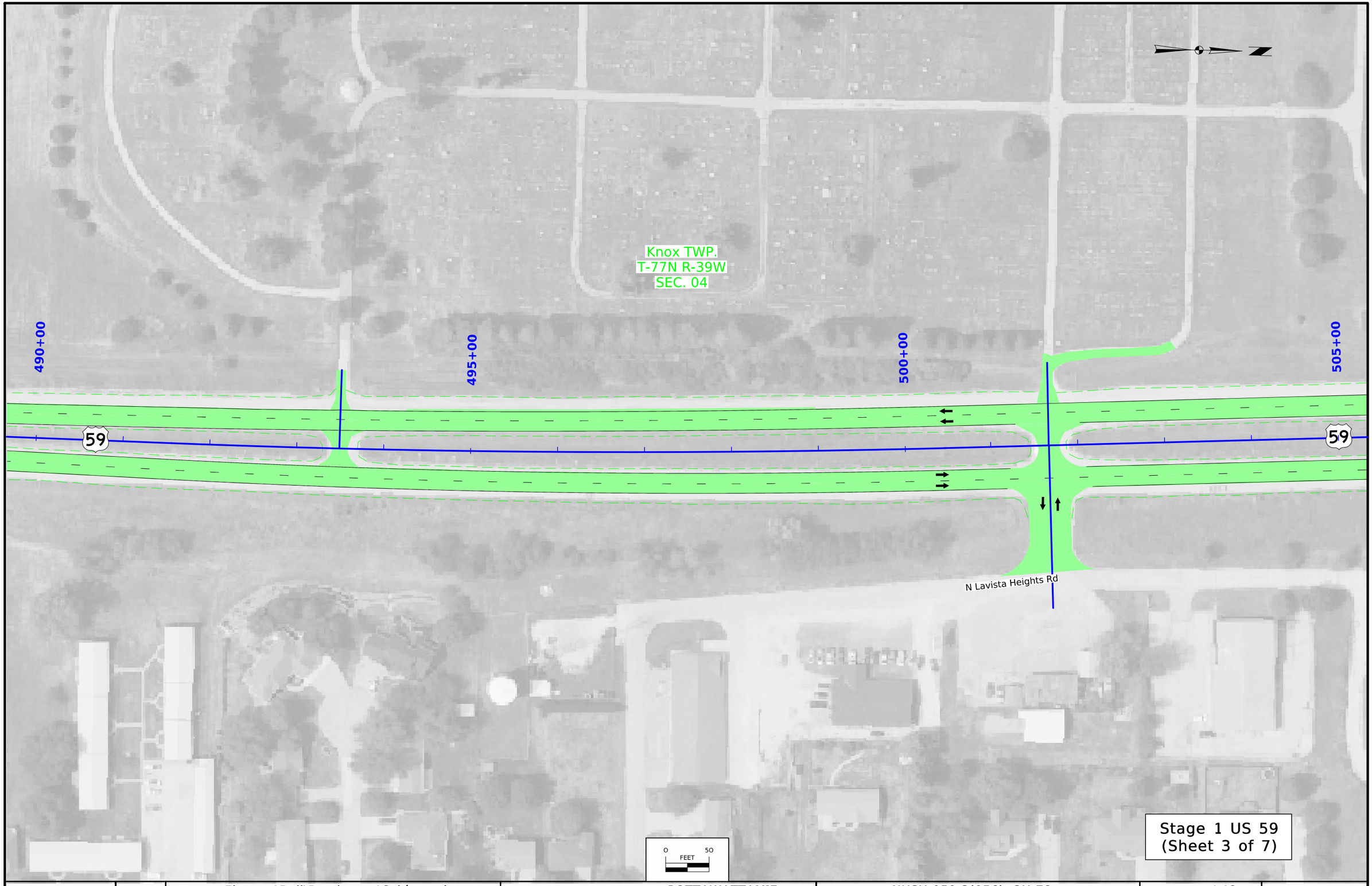
© 2026 Microsoft Corporation © Maxar ©CNES (2026) Distribution Airbus DS © Mapbox



FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER J.12	

12:12:57 PM 8/28/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J09_78059056Z06.dgn

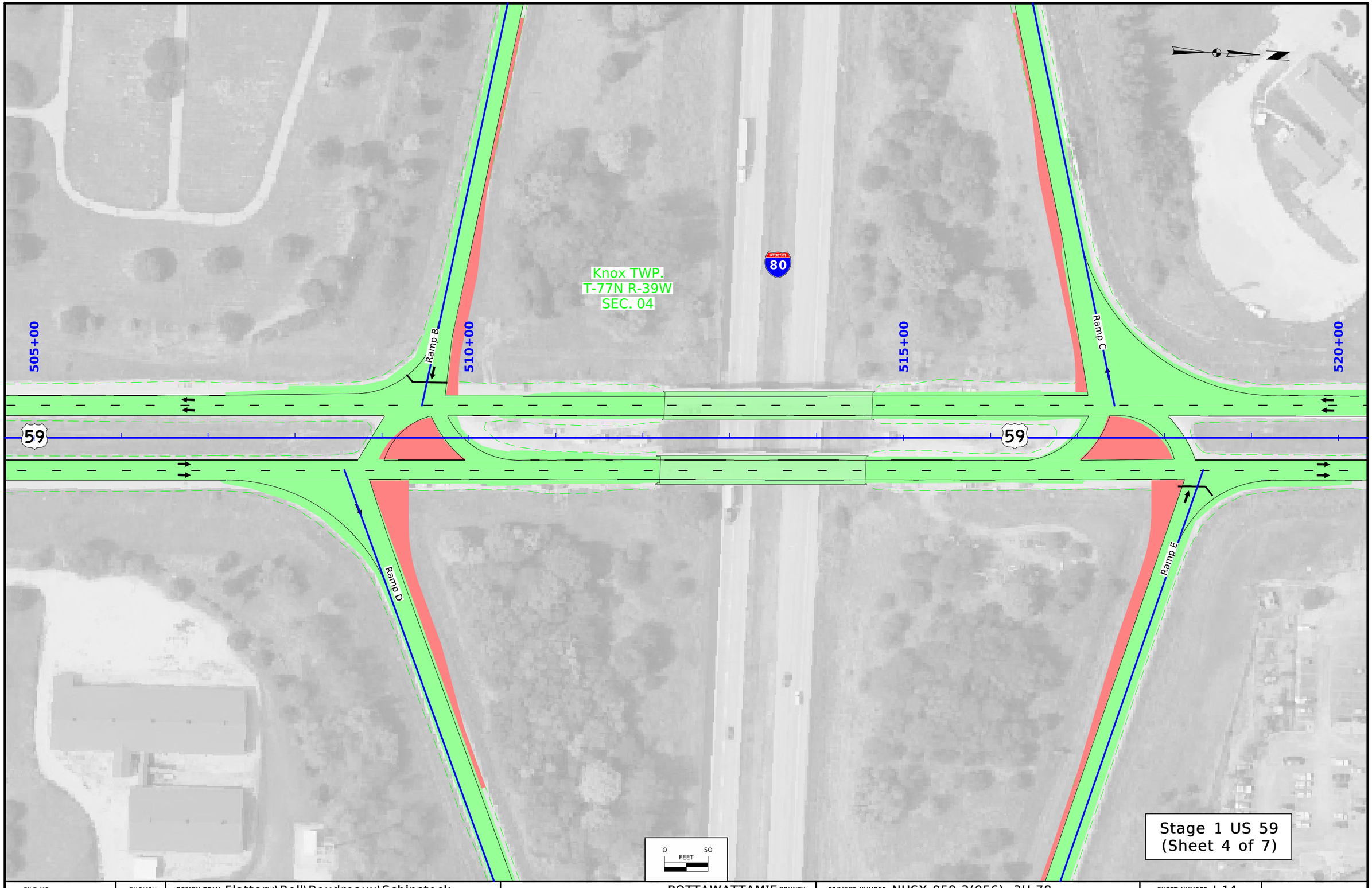
© 2026 Microsoft Corporation © Maxar ©CNES (2026) Distribution Airbus DS © Mapbox



FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER J.13	

12:13:01 PM 8/28/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J09_78059056Z06.dgn

© 2026 Microsoft Corporation © Maxar ©CNES (2026) Distribution Airbus DS © Mapbox



Stage 1 US 59
(Sheet 4 of 7)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER J.14

12:13:06 PM 8/28/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J09_78059056Z06.dgn

© 2026 Microsoft Corporation © Maxar ©CNES (2026) Distribution Airbus DS © Mapbox

Knox TWP.
T-77N R-39W
SEC. 04

Marty Drive

520+00

525+00

530+00

535+00

59

59

York Rd.

0 50
FEET

Stage 1 US 59
(Sheet 5 of 7)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER J.15	

12:13:12 PM 8/28/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J09_78059056Z06.dgn

© 2026 Microsoft Corporation © Maxar ©CNES (2026) Distribution Airbus DS © Mapbox



Stage 1 US 59
(Sheet 6 of 7)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER J.16	

12:13:16 PM 8/28/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J09_78059056Z06.dgn

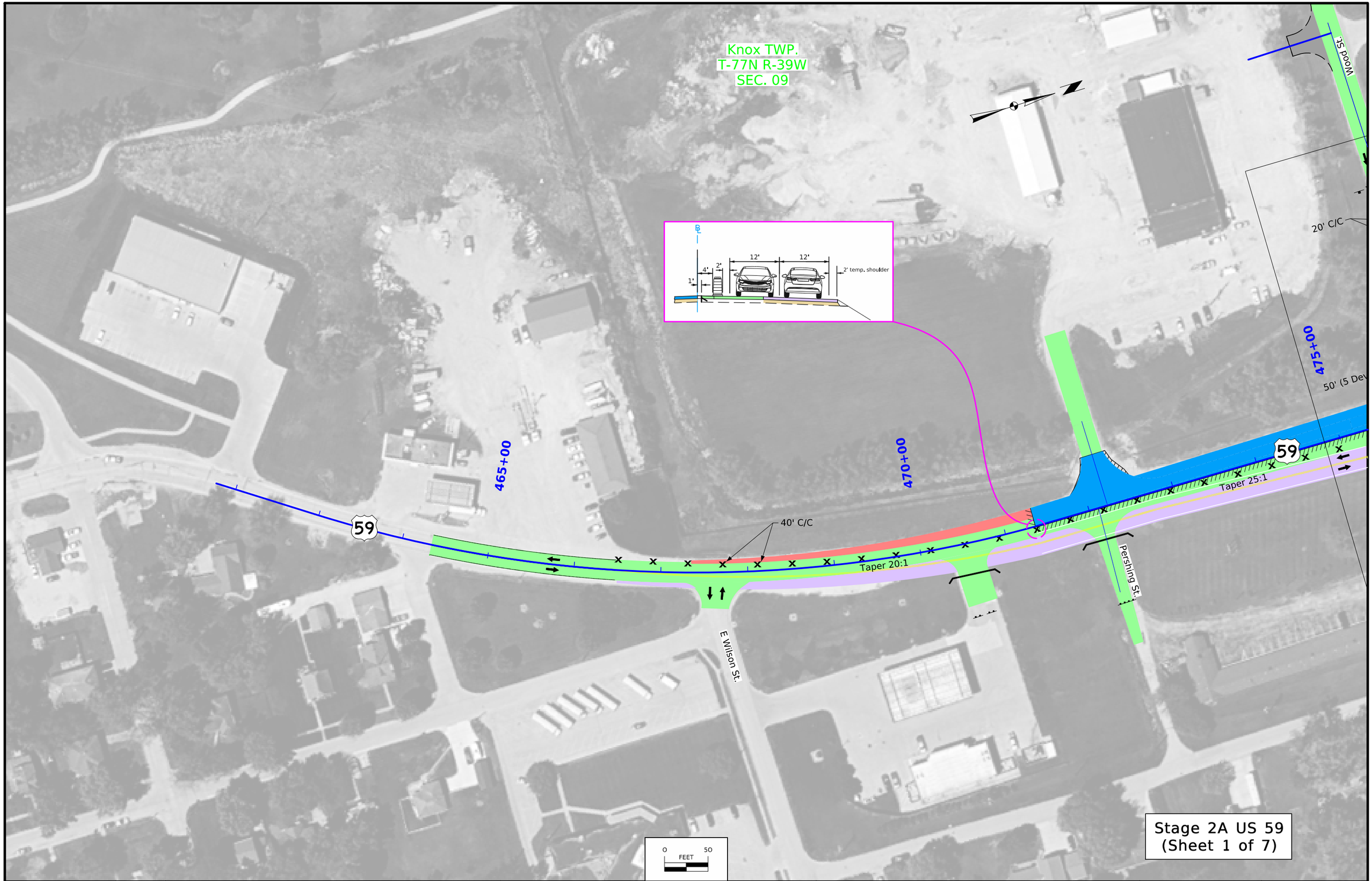
© 2026 Microsoft Corporation © Maxar ©CNES (2026) Distribution Airbus DS © Mapbox



FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER J.17	

12:13:20 PM 8/28/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J09_78059056Z06.dgn

© 2026 Microsoft Corporation © Maxar ©CNES (2026) Distribution Airbus DS © Mapbox



FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER J.18	

10:38:28 AM 9/28/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J18_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies

Wood St.

STA 2473+68.57 (SRWOODWEST)
Stop Bar

20' C/C

100'-0" Taper

20'-0" Tangent

See JU Sheets for Details

Knox TWP.
T-77N R-39W
SEC. 09

475+00

480+00

485+00

490+00

STA 478+41.68 (ML059)
Stop Bar

50' (5 Devices)

5 Devices

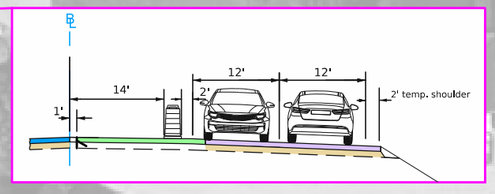
40' C/C

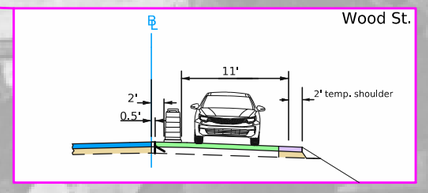
59

Taper 45:1

Wood St.

STA 475+24.98 (ML059)
Stop Bar





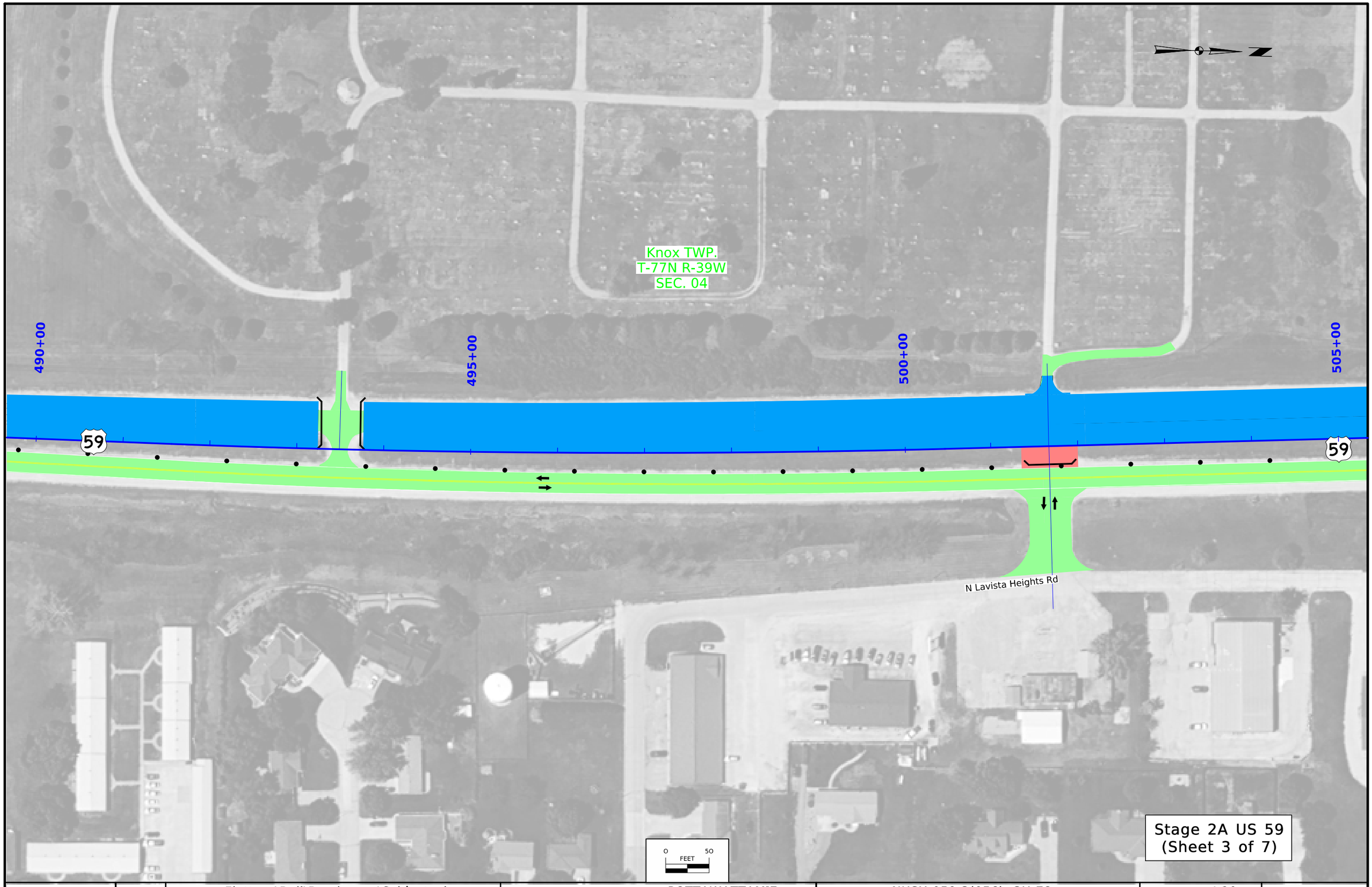
0 50
FEET

Stage 2A US 59
(Sheet 2 of 7)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER J.19

10:38:37 AM 9/28/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J18_78059056Z06.dgn

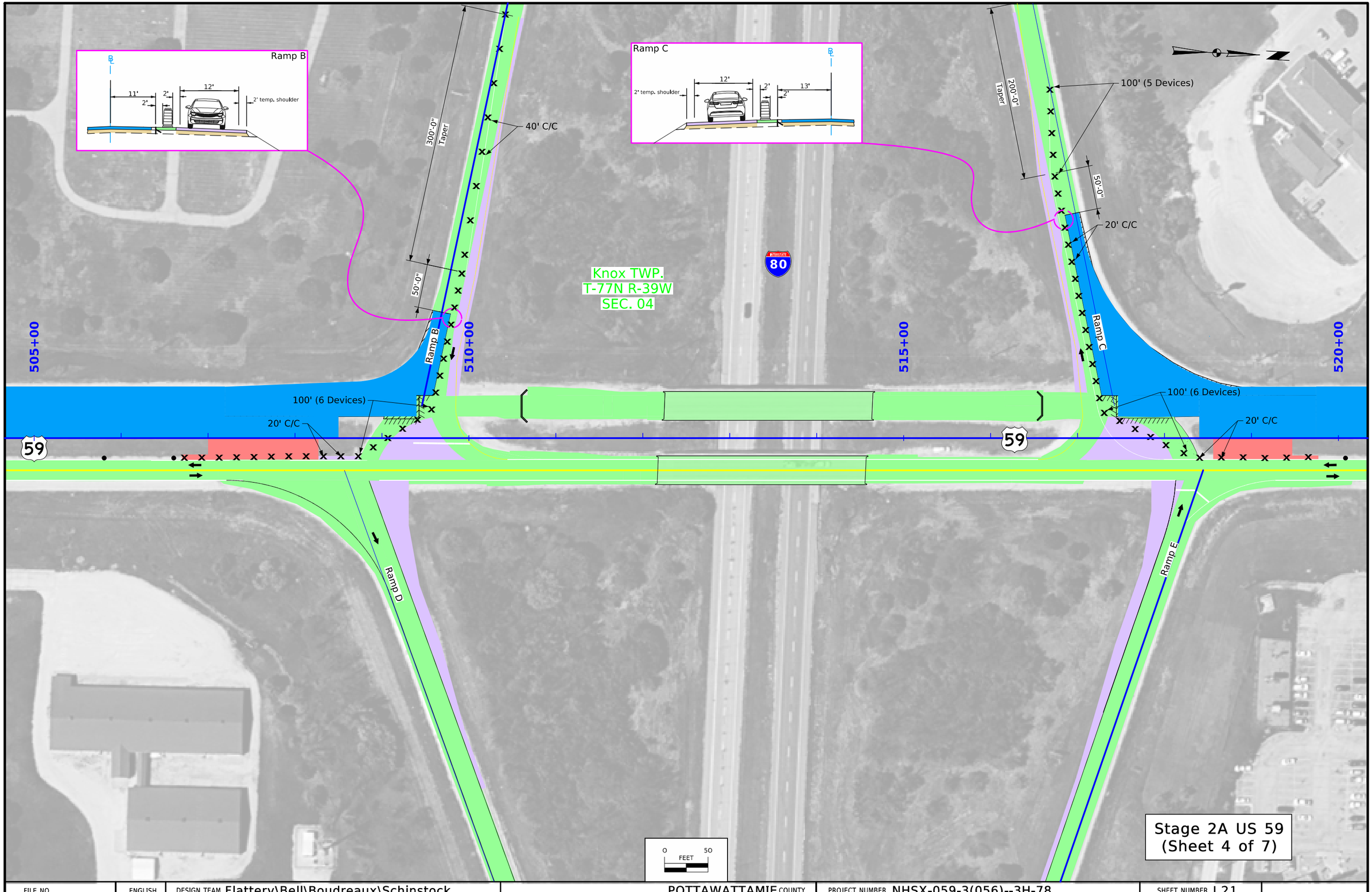
Imagery ©2026 Airbus, Maxar Technologies



FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER J.20	

10:38:44 AM 9/28/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J18_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies



FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER J.21	

10:38:51 AM 9/28/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J18_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies

Knox TWP.
T-77N R-39W
SEC. 04

Marty Drive

520+00

525+00

530+00

535+00

20' C/C

20' C/C

20' C/C

59

59

York Rd.

0 50
FEET

Stage 2A US 59
(Sheet 5 of 7)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER J.22	

10:38:57 AM 9/28/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J18_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies

Knox TWP.
T-77N R-39W
SEC. 04

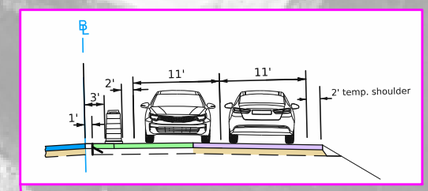
Fairview TWP.
T-78N R-39W
SEC. 33

535+00

540+00

545+00

550+00



59

59

Taper 25:1

40' C/C

0 50
FEET

Stage 2A US 59
(Sheet 6 of 7)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER J.23	

10:39:04 AM 9/28/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J18_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies

Fairview TWP.
T-78N R-39W
SEC. 33

550+00

555+00

560+00

565+00

40' C/C

R 3500'-0"

Refer to Modified TC-63 for
Advanced Signing Details

R 3500'-0"

59

59

F66

POTTAWATTAMIE COUNTY

0 50
FEET

Stage 2A US 59
(Sheet 7 of 7)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER J.24

10:39:11 AM 9/28/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J18_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies

Knox TWP.
T-77N R-39W
SEC. 09

Wood St.

475+00

470+00

465+00

40' C/C

50' (5 Devices)

50' (5 Devices)

40' C/C

59

59

Taper 25:1

Taper 20:1

STA 475+39.70 (ML059)
Stop Bar

Pershing St.

E Wilson St.

0 FEET 50

Stage 2B US 59
(Sheet 1 of 7)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER J.25

2:42:30 PM 10/5/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J25_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies

Wood St.

STA 2473+78.57 (SRWOODWEST)
Stop Bar

See JU Sheets for Details

20' C/C

Knox TWP.
T-77N R-39W
SEC. 09

480+00

485+00

490+00

STA 476+85.15 (ML059)
Stop Bar

40' C/C

120'-0"

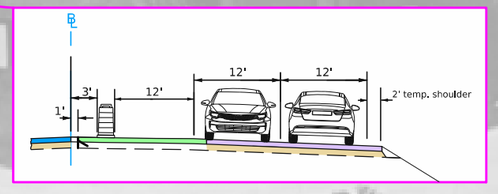
100' (6 Devices)

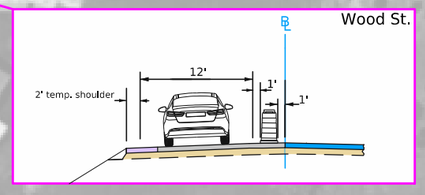
59

Taper 45:1

50' (5 Devices)

Wood St.





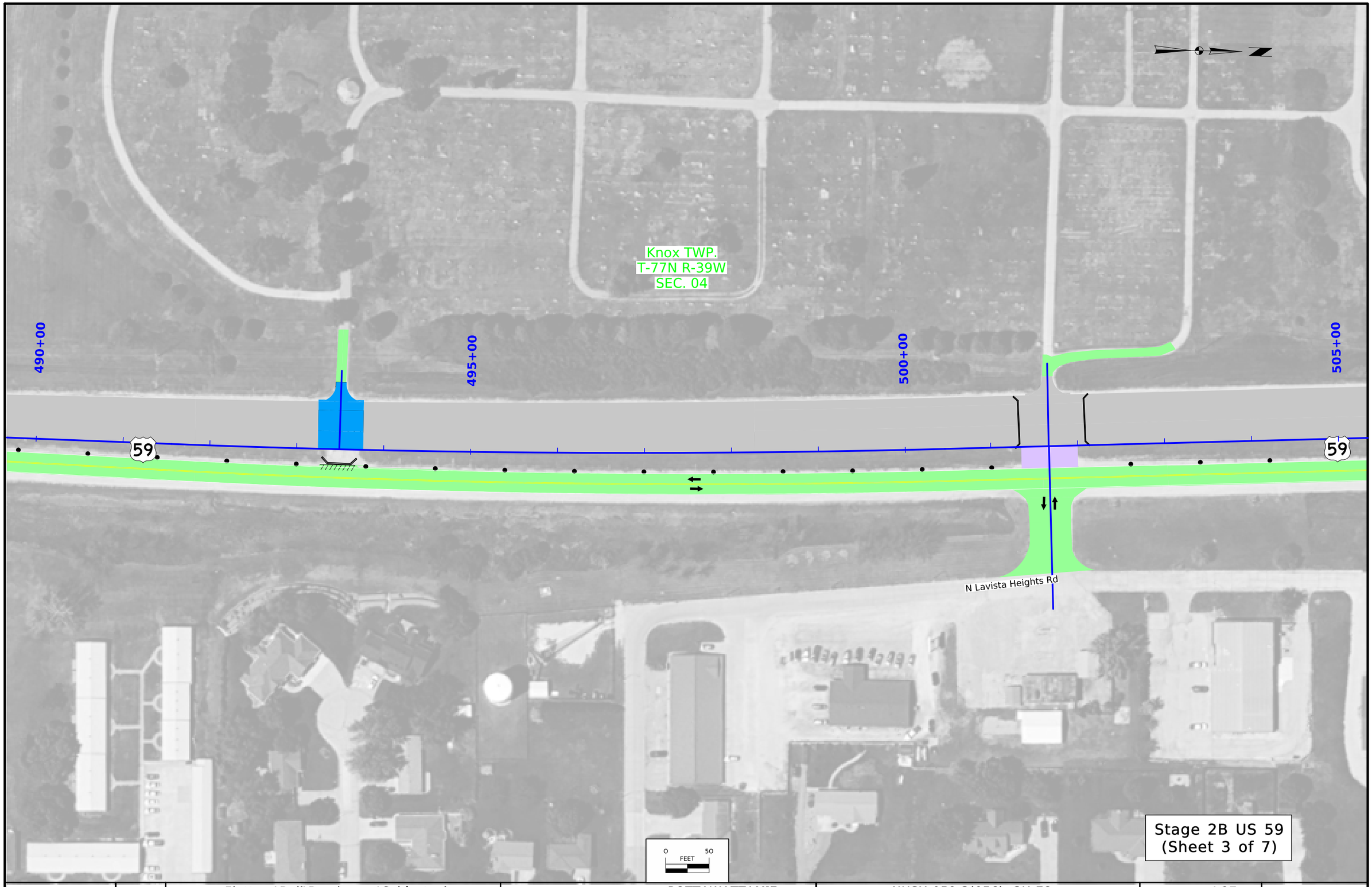
0 50
FEET

Stage 2B US 59
(Sheet 2 of 7)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER J.26

2:42:33 PM 10/5/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J25_78059056Z06.dgn

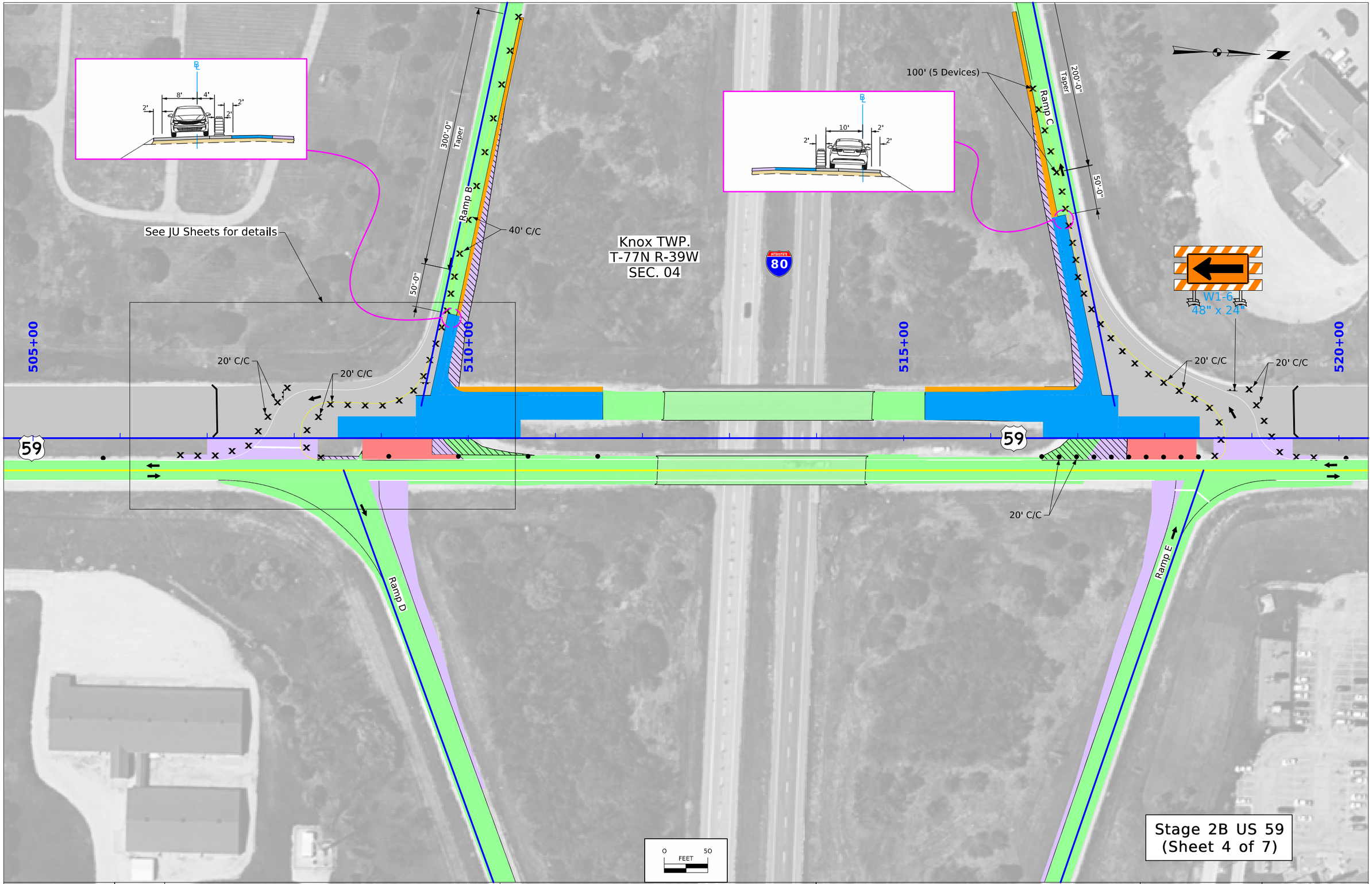
Imagery ©2026 Airbus, Maxar Technologies



FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER J.27	

2:42:40 PM 10/5/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J25_78059056Z06.dgn

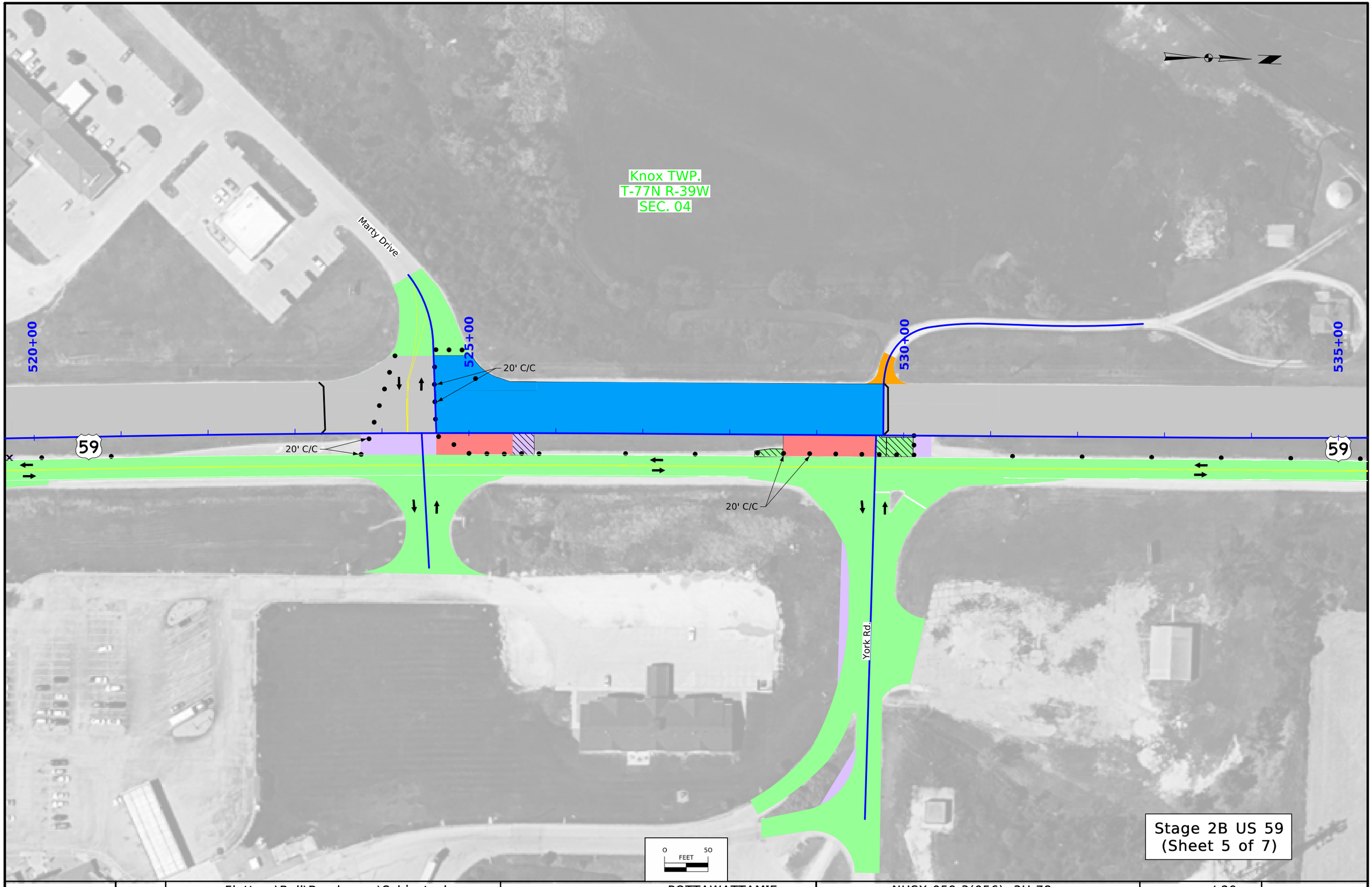
Imagery ©2026 Airbus, Maxar Technologies



FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER J.28	

2:42:43 PM 10/5/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J25_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies



FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER J.29

2:42:50 PM 10/5/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J25_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies

Knox TWP.
T-77N R-39W
SEC. 04

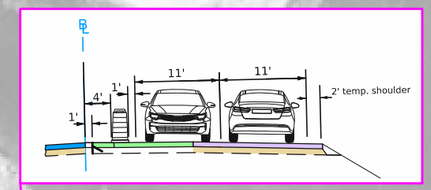
Fairview TWP.
T-78N R-39W
SEC. 33

535+00

540+00

545+00

550+00



59

59

Taper 25:1

40' C/C

0 50
FEET

Stage 2B US 59
(Sheet 6 of 7)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER J.30	

2:42:52 PM 10/5/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J25_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies

Fairview TWP.
T-78N R-39W
SEC. 33

550+00

555+00

560+00

565+00

F66

40' C/C

R 3500'-0"

Refer to Modified TC-63 for
Advanced Signing Details

59

59

R 3500'-0"

0 50
FEET

Stage 2B US 59
(Sheet 7 of 7)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER J.31	

2:42:57 PM 10/5/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J25_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies



FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER J.32	

4:12:08 PM 9/28/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J32_78059056Z06.dgn

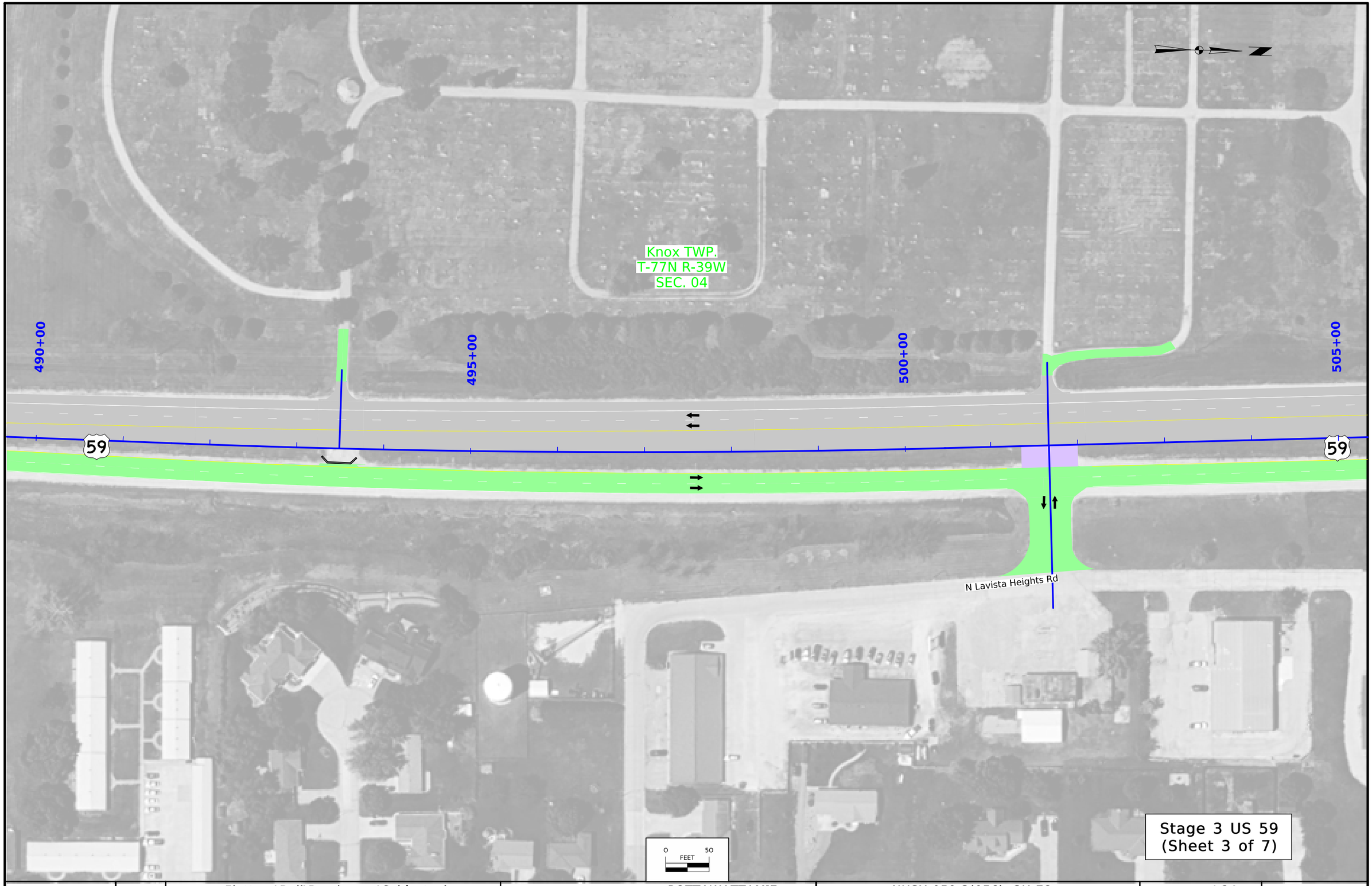
Imagery ©2026 Airbus, Maxar Technologies



FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER J.33	

4:12:14 PM 9/28/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J32_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies



FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER J.34	

4:12:20 PM 9/28/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J32_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies



FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER J.35	

4:14:00 PM 9/28/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J32_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies

Knox TWP.
T-77N R-39W
SEC. 04

Marty Drive

520+00

525+00

530+00

535+00

59

59

York Rd.

0 50
FEET

Stage 3 US 59
(Sheet 5 of 7)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER J.36	

4:15:40 PM 9/28/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J32_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies

Knox TWP.
T-77N R-39W
SEC. 04

Fairview TWP.
T-78N R-39W
SEC. 33

535+00

540+00

545+00

550+00

Taper 15:1

Taper 50:1

59

59

0 50
FEET

Stage 3 US 59
(Sheet 6 of 7)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER J.37	

4:17:22 PM 9/28/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J32_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies

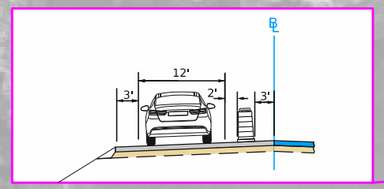


FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER J.38	

4:19:02 PM 9/28/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J32_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies

Knox TWP.
T-77N R-39W
SEC. 09



465+00

470+00

475+00

59

20' C/C

STA 468+76.63 (ML059)
Stop Bar

165' Taper

20' C/C

40' C/C

Pershing St.

W Mill St.

E Wilson St.

See JU Sheets for Details

0 50
FEET

Stage 4A US 59
(Sheet 1 of 7)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER J.39	

11:45:52 AM 10/1/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J39_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies

Wood St.

STA 2475+41.79 (SRWOODWEST)
Stop Bar

STA 478+20.39 (ML059)
Stop Bar

See JU Sheets for Details

Knox TWP.
T-77N R-39W
SEC. 09

475+00

480+00

485+00

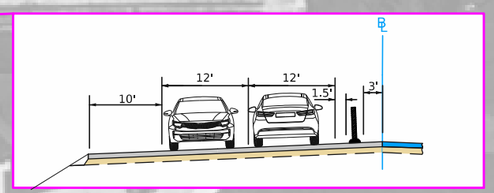
490+00

80' C/C

20' C/C

Wood St.

Contractor shall pave intersection as stated in Traffic Control Plan and/or Staging Notes to ensure temporary traffic signal is operational throughout the Stage



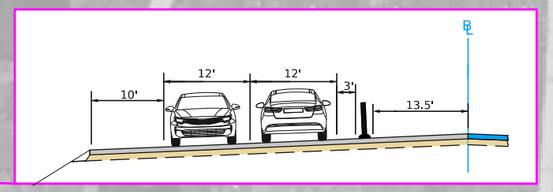
0 50
FEET

Stage 4A US 59
(Sheet 2 of 7)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER J.40

11:45:56 AM 10/1/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J39_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies



Knox TWP.
T-77N R-39W
SEC. 04

490+00

495+00

500+00

505+00

80' C/C

59

59

Access to N Lavista Heights Rd shall be maintained at all times as described in the Traffic Control Plan and/or Staging Notes.

N Lavista Heights Rd

0 50
FEET

Stage 4A US 59
(Sheet 3 of 7)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER J.41	

11:46:03 AM 10/1/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J39_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies

Knox TWP.
T-77N R-39W
SEC. 04

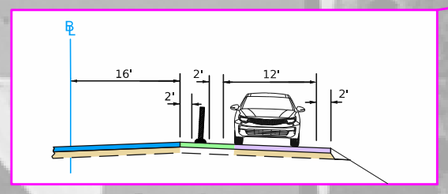
505+00
510+00
515+00
520+00

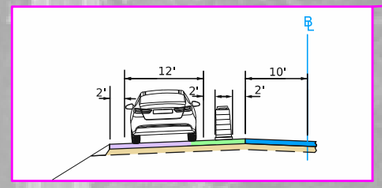
Ramp B
Ramp C
Ramp D
Ramp E

80' C/C
80' C/C
80' C/C
20' C/C
50' (5 Devices)
50' (5 Devices)
50' (5 Devices)
20' C/C
20' C/C
100' (5 Devices)

50'-0"
200'-0"
Taper
300'-0"
Taper
50'-0"

59
59
80





0 50
FEET

Stage 4A US 59
(Sheet 4 of 7)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER J.42

11:46:08 AM 10/1/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J39_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies

Knox TWP.
T-77N R-39W
SEC. 04

Marty Drive

520+00

525+00

530+00

535+00

80' C/C

50' (5 Devices)

50' (5 Devices)

100' (5 Devices)

80' C/C

59

59

20' C/C

20' C/C

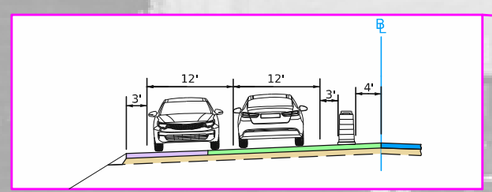
20' C/C

20' C/C

STA 5529+81.30 (SRYORK)
Stop Bar

York Rd.

100' (6 Devices)



0 50
FEET

Stage 4A US 59
(Sheet 5 of 7)

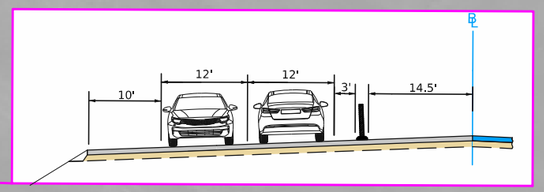
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER J.43	

11:46:14 AM 10/1/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J39_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies

Knox TWP.
T-77N R-39W
SEC. 04

Fairview TWP.
T-78N R-39W
SEC. 33



535+00

540+00

545+00

550+00

80' C/C

59

59

0 50
FEET

Stage 4A US 59
(Sheet 6 of 7)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER J.44	

11:46:17 AM 10/1/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J39_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies

Fairview TWP.
T-78N R-39W
SEC. 33

550+00

555+00

560+00

565+00

80' C/C

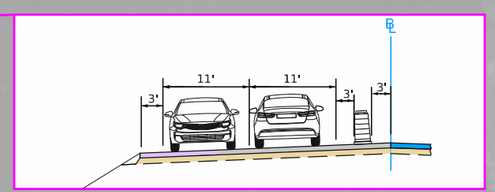
40' C/C

59

59

F66

Refer to Modified TC-61A for
Advanced Signing Details



0 50
FEET

Stage 4A US 59
(Sheet 7 of 7)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER J.45	

11:46:23 AM 10/1/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J39_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies

Knox TWP.
T-77N R-39W
SEC. 09

465+00

470+00

475+00

59

80' C/C

50' (5 Devices)

Pershing St.

W Mill St.

E Wilson St.

Refer to Modified TC-63 for
Advanced Signing Details

0 50
FEET

Stage 4B US 59
(Sheet 1 of 7)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER J.46	

12:10:37 PM 10/1/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J46_78059056Z06.dgn

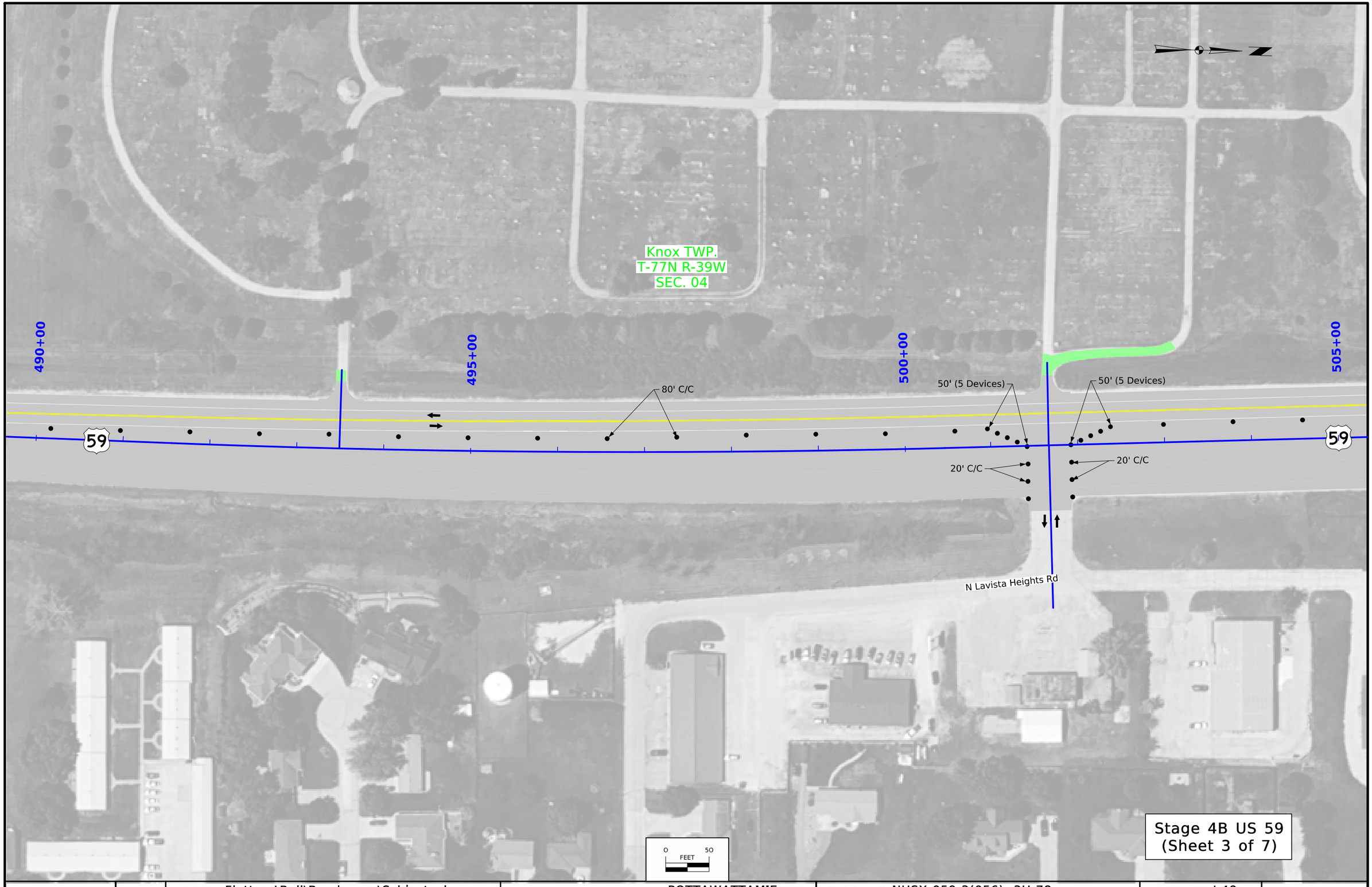
Imagery ©2026 Airbus, Maxar Technologies



FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER J.47	

12:10:44 PM 10/1/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J46_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies



FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER J.48	

12:10:50 PM 10/1/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J46_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies

Knox TWP.
T-77N R-39W
SEC. 04

505+00
510+00
515+00
520+00

Ramp B
Ramp C
Ramp D
Ramp E

50' (5 Devices)
20' C/C
100' (5 Devices)
200'-0" Taper
50'-0"
40' C/C
300'-0" Taper

59
80

0 50 FEET

Stage 4B US 59
(Sheet 4 of 7)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER J.49

12:10:57 PM 10/1/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J46_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies

Knox TWP.
T-77N R-39W
SEC. 04

Marty Drive

520+00

525+00

530+00

535+00

80' C/C

50' (5 Devices)

50' (5 Devices)

80' C/C

50' (5 Devices)

50' (5 Devices)

59

59

20' C/C

20' C/C

50' (5 Devices)

20' C/C

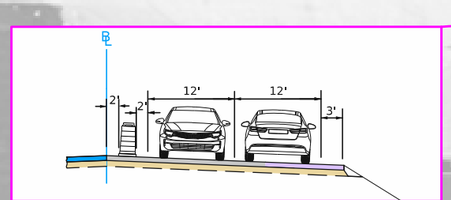
20' C/C

Pavement removal at end of Stage 4B

100' (5 Devices)

York Rd.

Refer to Modified TC-63 for
Advanced Signing Details



0 50
FEET

Stage 4B US 59
(Sheet 5 of 7)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER J.50

12:11:04 PM 10/1/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J46_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies

Knox TWP.
T-77N R-39W
SEC. 04

Fairview TWP.
T-78N R-39W
SEC. 33

535+00

540+00

545+00

550+00

80' C/C

59

59

0 50
FEET

Stage 4B US 59
(Sheet 6 of 7)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER J.51	

12:11:11 PM 10/1/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J46_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies



FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER J.52	

12:11:17 PM 10/1/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J46_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies



FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER J.53	

11:21:41 AM 9/29/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J53_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies

Wood St.

Knox TWP.
T-77N R-39W
SEC. 09

475+00

480+00

485+00

490+00

59

Wood St.

0 50
FEET

Stage 5 US 59
(Sheet 2 of 7)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER J.54	

11:21:47 AM 9/29/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J53_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies



FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER J.55	

11:21:50 AM 9/29/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J53_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies

Knox TWP.
T-77N R-39W
SEC. 04

505+00

510+00

515+00

520+00

Ramp B

Ramp C

Ramp D

Ramp E

59

59

80

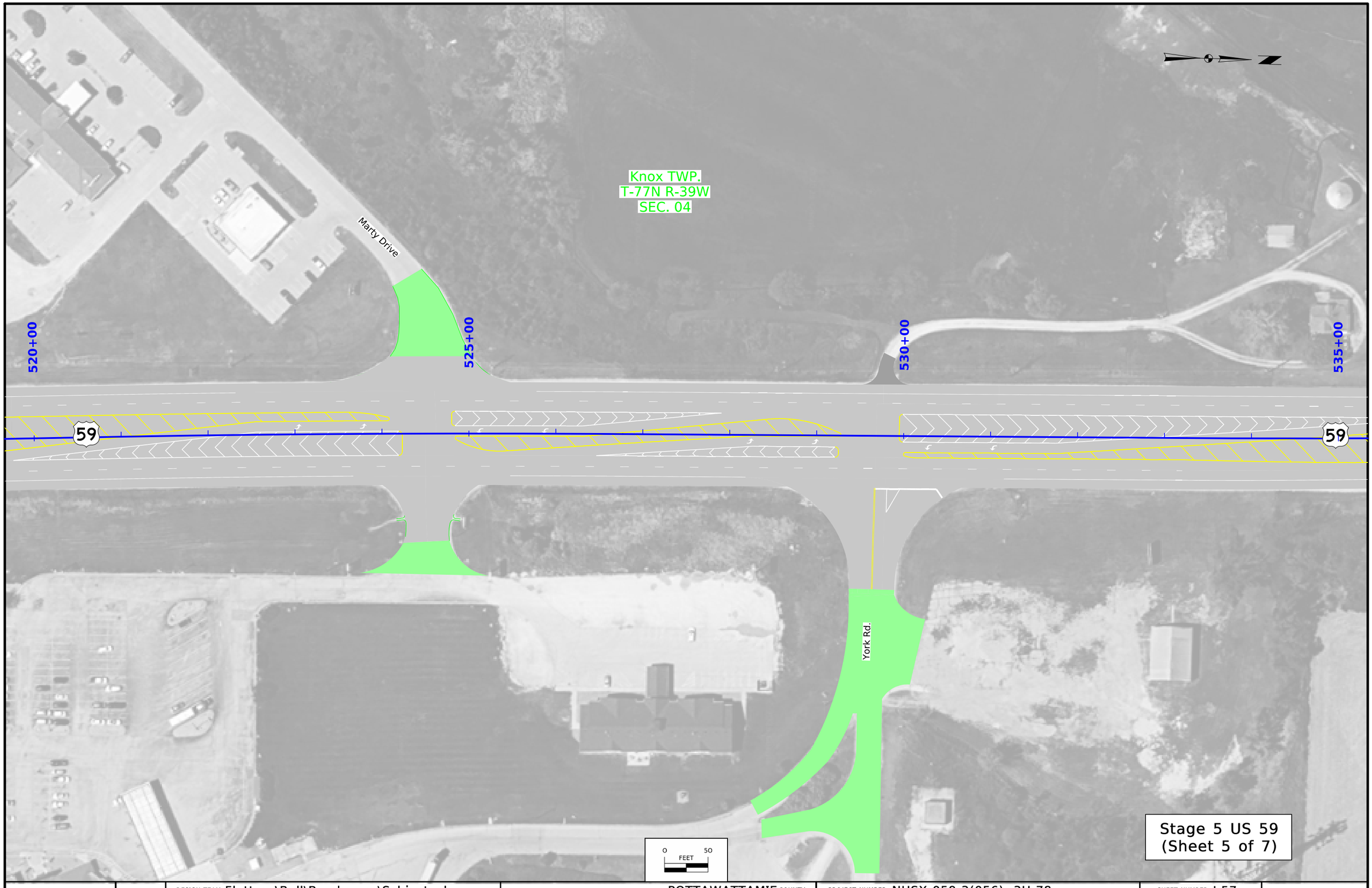
0 50
FEET

Stage 5 US 59
(Sheet 4 of 7)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER J.56	

11:21:52 AM 9/29/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J53_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies



Stage 5 US 59
(Sheet 5 of 7)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER J.57	

11:21:59 AM 9/29/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J53_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies



FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER J.58	

11:22:02 AM 9/29/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J53_78059056Z06.dgn

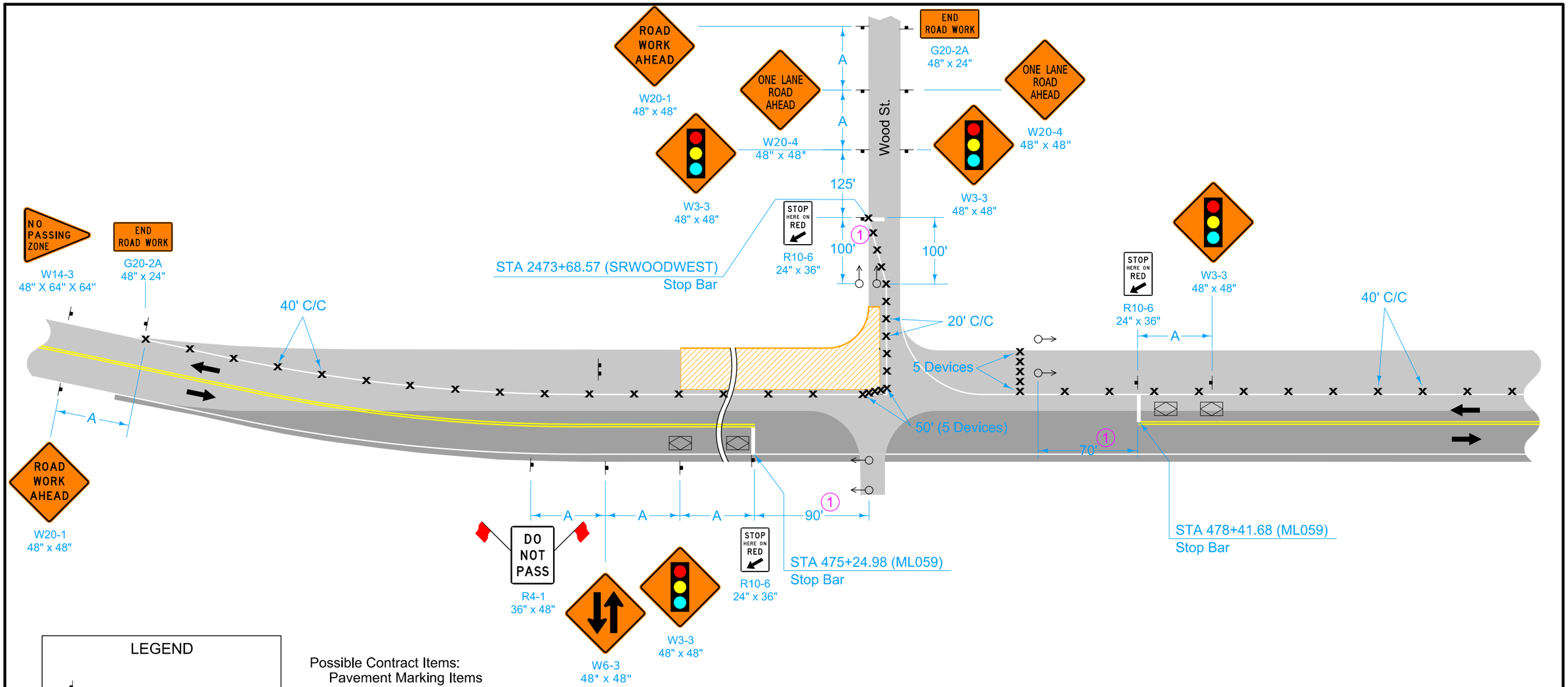
Imagery ©2026 Airbus, Maxar Technologies



FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER J.59	

11:22:09 AM 9/29/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\J53_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies



LEGEND

- Type III Barricade
- Single White Delineators (mount back to back)
- Vehicle Detection Area
- Temporary Crash Cushion
- Direction of Traffic
- Traffic Sign
- Drum
- Work Area
- Temporary Traffic Signal

Possible Contract Items:
- Pavement Marking Items
- Pavement Markings Removed
- Temporary Barrier Rail
- Temporary Crash Cushions
- Temporary Traffic Signals
- Traffic Control

Possible Tabulations:
- 108-22
- 108-28
- 108-30
- 108-33

TIMING FOR ACTUATED SIGNALS

Refer to J Sheets for Signal Timing at Wood St.

SPEED LIMIT (mph)*	A
35 or less	250'
40 - 45	350'
50 or greater	500'

* Speed Limit refers to regulatory speed limit before road work.

Place Concrete Barrier Markers at 10 ft C/C on bridge rail.

(1) Locate signal heads 70 to 100 feet (120 feet allowable at Wood St intersection) beyond stop bar. Adjust location of signal heads as field conditions warrant and as approved by the Engineer.

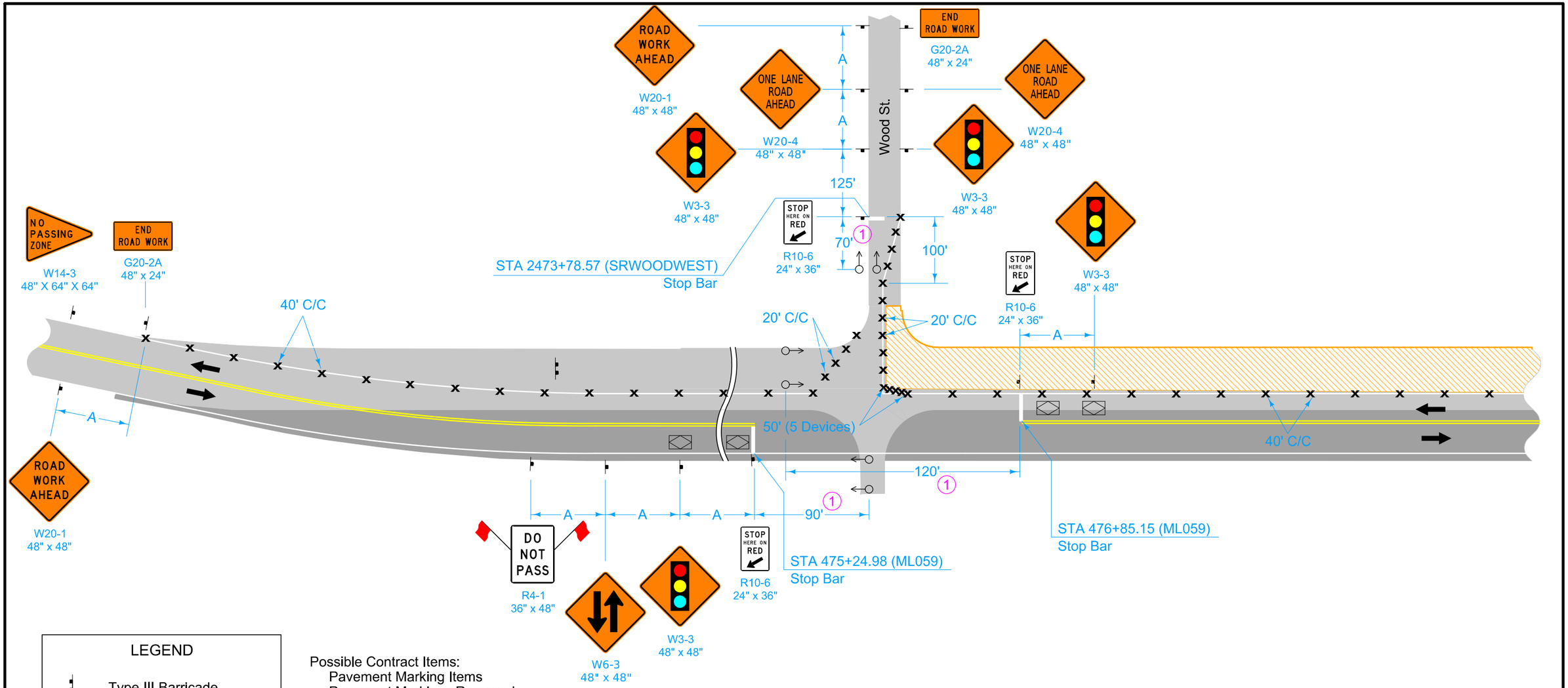
MODIFIED STANDARD ROAD PLAN | 7-23-26 | **TC-217A** | SHEET 1 of 1

MODIFICATIONS: Redrawn for maintaining 2 lanes at intersection.

LANE CLOSURE WITH SIGNALS AND TBR AT WOOD ST FOR STAGE 2A

FILE NO.	ENGLISH	DESIGN TEAM **Flattery\Bell\Boudreaux\Schinstock**	**POTTAWATTAMIE** COUNTY	PROJECT NUMBER **NHSX-059-3(056)--3H-78**	SHEET NUMBER **JU.1**

2:16:04 PM 10/5/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\JU01_78059056Z06.dgn



LEGEND

- Type III Barricade
- Single White Delineators (mount back to back)
- Vehicle Detection Area
- Temporary Crash Cushion
- Direction of Traffic
- Traffic Sign
- Drum
- Work Area
- Temporary Traffic Signal

Possible Contract Items:
- Pavement Marking Items
- Pavement Markings Removed
- Temporary Barrier Rail
- Temporary Crash Cushions
- Temporary Traffic Signals
- Traffic Control

Possible Tabulations:
- 108-22
- 108-28
- 108-30
- 108-33

TIMING FOR ACTUATED SIGNALS

Refer to J Sheets for Signal Timing at Wood St.

SPEED LIMIT (mph)*	A
35 or less	250'
40 - 45	350'
50 or greater	500'

* Speed Limit refers to regulatory speed limit before road work.

Place Concrete Barrier Markers at 10 ft C/C on bridge rail.

(1) Locate signal heads 70 to 100 feet (120 feet allowable at Wood St intersection) beyond stop bar. Adjust location of signal heads as field conditions warrant and as approved by the Engineer.

MODIFIED
STANDARD ROAD PLAN

7-23-26

TC-217B

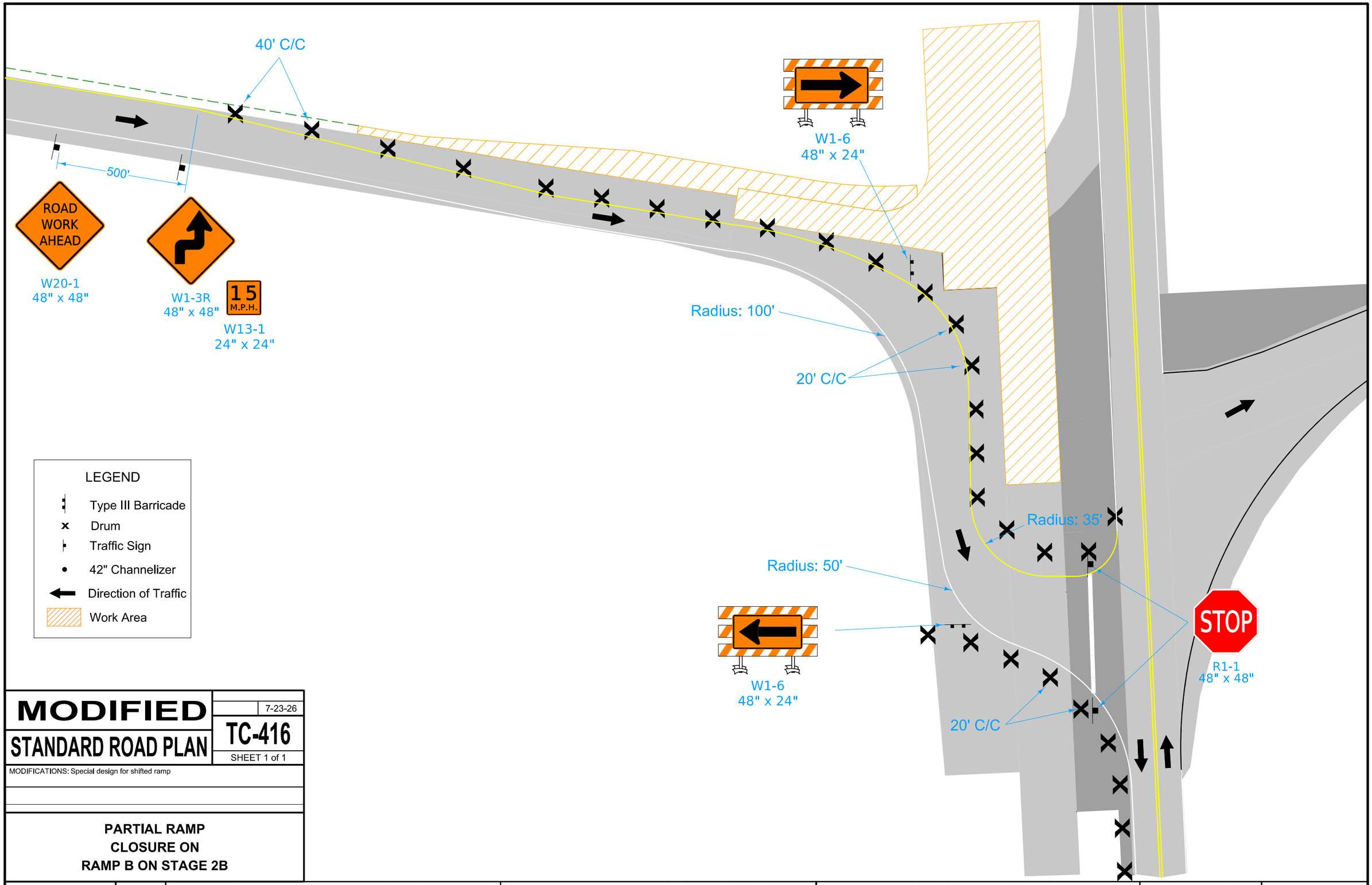
SHEET 1 of 1

MODIFICATIONS: Redrawn for maintaining 2 lanes at intersection.

LANE CLOSURE WITH SIGNALS AND TBR AT WOOD ST FOR STAGE 2B

FILE NO.	ENGLISH	DESIGN TEAM **Flattery\Bell\Boudreaux\Schinstock**	**POTTAWATTAMIE** COUNTY	PROJECT NUMBER **NHSX-059-3(056)--3H-78**	SHEET NUMBER **JU.2**

2:16:04 PM 10/5/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\JU01_78059056Z06.dgn



LEGEND

- Type III Barricade
- Drum
- Traffic Sign
- 42" Channelizer
- Direction of Traffic
- Work Area

MODIFIED

STANDARD ROAD PLAN

7-23-26

TC-416

SHEET 1 of 1

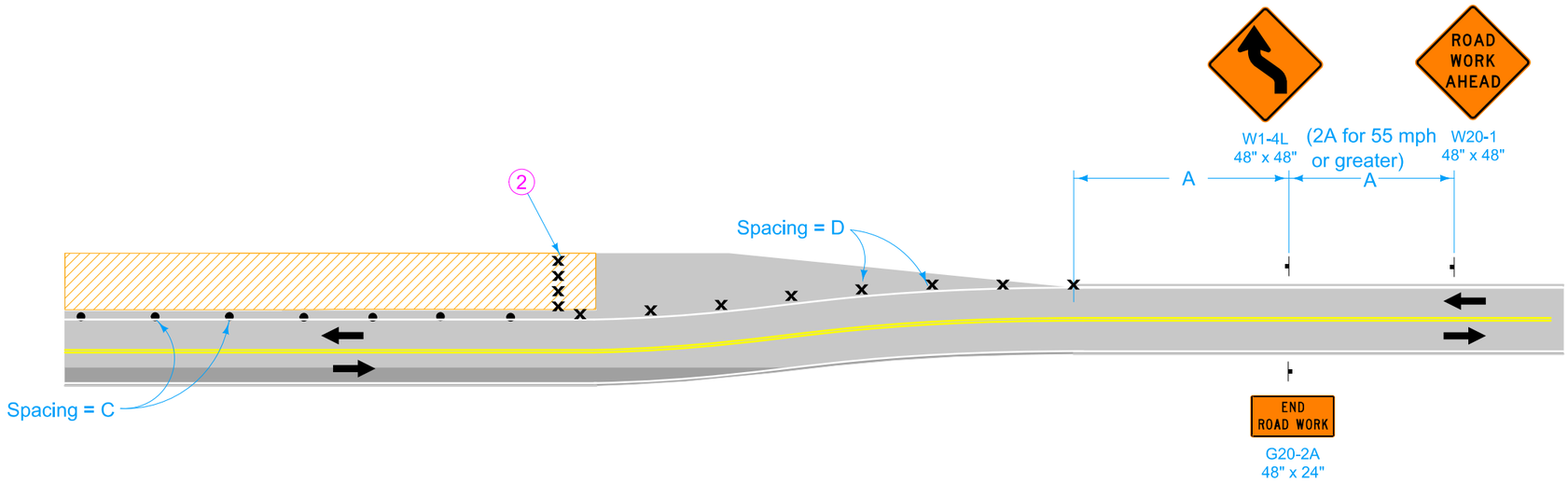
MODIFICATIONS: Special design for shifted ramp

PARTIAL RAMP CLOSURE ON RAMP B ON STAGE 2B

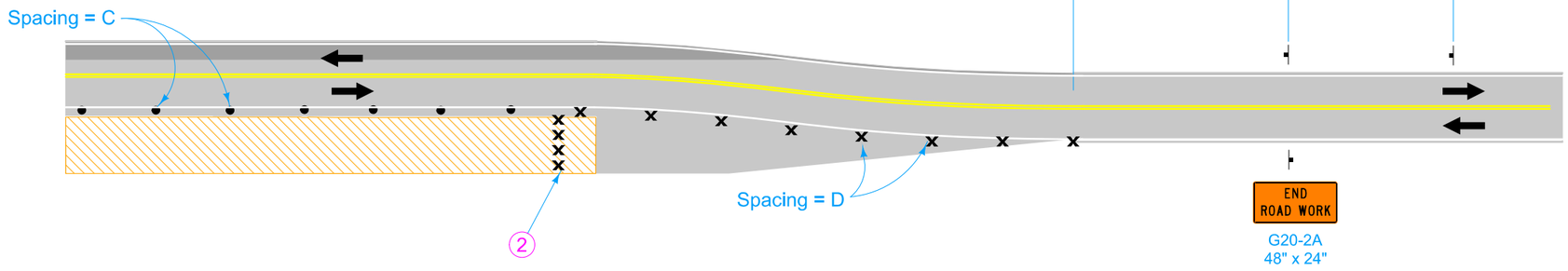
FILE NO.	ENGLISH	DESIGN TEAM **Flattery\Bell\Boudreaux\Schinstock**	**POTTAWATTAMIE** COUNTY	PROJECT NUMBER **NHSX-059-3(056)--3H-78**	SHEET NUMBER **JU.3**

2:16:05 PM 10/5/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\JU01_78059056Z06.dgn

Stage 2 Layout



Stage 4 Layout



Possible Contract Item:
Traffic Control

LEGEND

- Traffic Sign
- 42" Channelizer
- Drum
- Work Area
- Direction of Traffic

SPEED LIMIT (mph)*	A	C	D	E	S
25 or less	100'	40'	25'	0'-200'	100'
30 - 35	250'	40'	30'	0'-200'	120'
40 - 50	350'	80'	40'	0'-400'	280'
55 or greater	500'	100'	50'	200'-400'	350'

* Speed Limit refers to regulatory speed limit before road work.

(1) Refer to TC-419 for lane closure details.

(2) For lanes closed to traffic, place two drums every 1000 feet. For full depth excavations in a closed lane, place two drums in front of each location. Additional drums need not be placed for full depth excavations spaced closer than 150 feet.

MODIFIED

STANDARD ROAD PLAN

7-23-26

TC-63

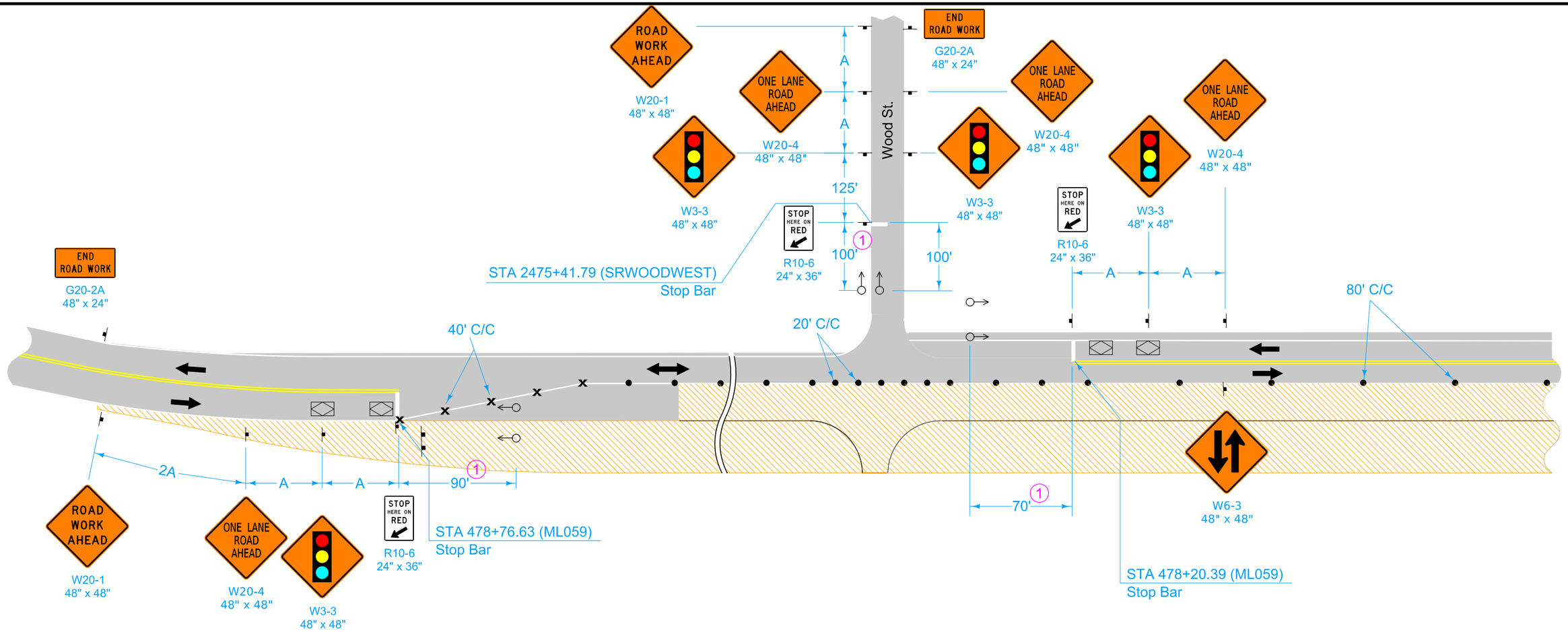
SHEET 1 of 1

MODIFICATIONS: Adjusted drawings to match directional closures of project

LANE CLOSURE AT TWO-LANE TO FOUR-LANE TRANSITION

FILE NO.	ENGLISH	DESIGN TEAM **Flattery\Bell\Boudreaux\Schinstock**	**POTTAWATTAMIE** COUNTY	PROJECT NUMBER **NHSX-059-3(056)--3H-78**	SHEET NUMBER **JU.4**

2:16:05 PM 10/5/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\JU01_78059056Z06.dgn



LEGEND

- Type III Barricade
- Single White Delineators (mount back to back)
- Vehicle Detection Area
- Temporary Crash Cushion
- Direction of Traffic
- Traffic Sign
- Drum
- Work Area
- Temporary Traffic Signal

Possible Contract Items:
- Pavement Marking Items
- Pavement Markings Removed
- Temporary Barrier Rail
- Temporary Crash Cushions
- Temporary Traffic Signals
- Traffic Control

Possible Tabulations:
- 108-22
- 108-28
- 108-30
- 108-33

TIMING FOR ACTUATED SIGNALS

Refer to J Sheets for Signal Timing at Wood St.

SPEED LIMIT (mph)*	A
35 or less	250'
40 - 45	350'
50 or greater	500'

* Speed Limit refers to regulatory speed limit before road work.

Place Concrete Barrier Markers at 10 ft C/C on bridge rail.

(1) Locate signal heads 70 to 100 feet (120 feet allowable at Wood St intersection) beyond stop bar. Adjust location of signal heads as field conditions warrant and as approved by the Engineer.

MODIFIED STANDARD ROAD PLAN TC-217C 7-23-26 SHEET 1 of 1

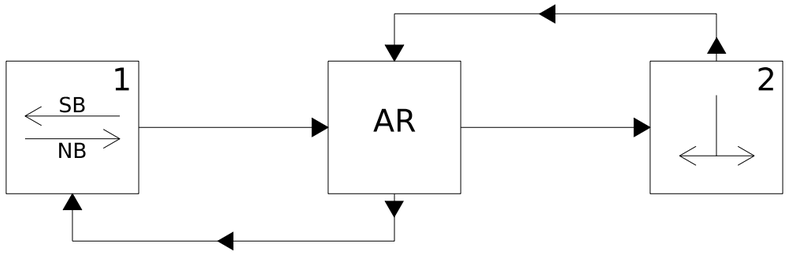
MODIFICATIONS: Redrawn for maintaining 2 lanes at intersection.

LANE CLOSURE WITH SIGNALS AND TBR AT WOOD ST FOR STAGE 4A

FILE NO.	ENGLISH	DESIGN TEAM **Flattery\Bell\Boudreaux\Schinstock**	**POTTAWATTAMIE** COUNTY	PROJECT NUMBER **NHSX-059-3(056)--3H-78**	SHEET NUMBER **JU.5**

2:16:06 PM 10/5/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\JU01_78059056Z06.dgn

Stage 2A/2B Temporary Signal Timing At Wood St Intersection



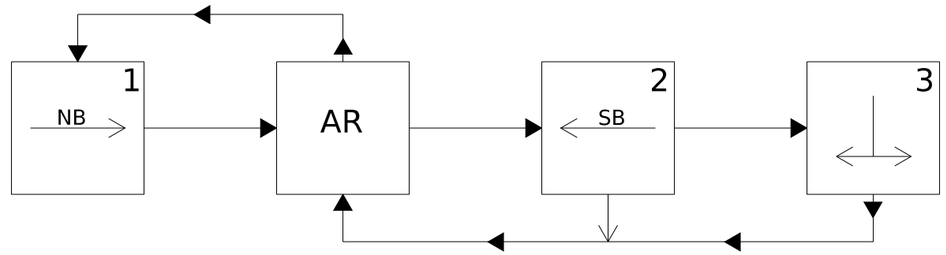
Timing (seconds)			
Signal Phase	1	2	AR
Initial Green	20	20	X
Max Green	45	45	X
Green Extension	2.5	2.5	X
Yellow	4.0	4.0	X
Red	X	X	17.0

*Signal timing may be modified by the Engineer if field conditions vary from predicted.

*Signals shall be actuated as stated in the Standard Specifications and other Contract Documents.

*Refer to other J Sheets for signal locations. Final locations shall be confirmed by the Engineer prior to operation.

Stage 3A Temporary Signal Timing at Wood St Intersection



Timing (seconds)				
Signal Phase	1	2	3	AR
Initial Green	20	20	20	X
Max Green	45	45	45	X
Green Extension	2.5	2.5	2.5	X
Yellow	4.0	4.0	4.0	X
Red	X	4.0	5.0	22.0

*Signal timing may be modified by the Engineer if field conditions vary from predicted.

*Signals shall be actuated as stated in the Standard Specifications and other Contract Documents.

*Refer to other J Sheets for signal locations. Final locations shall be confirmed by the Engineer prior to operation.

Knox TWP.
T-77N R-39W
SEC. 04

2645+00

2650+00

STA 2649+20.00 (RMP059B)
BEGIN SHOULDER CONSTRUCTION

POT Sta. 2653+79.99 (RMP059B)
= POT Sta. 7509+42.10 (ML059SB)

Sta. 2653+67.72 (RMP059B)
END CONSTRUCTION

Ramp B

Sta. 2652+70.00 (RMP059B)
BEGIN FULL WIDTH CONSTRUCTION

POE 2653+79.99

Ramp D

0 50
FEET

Ramp B

TIE TO E.S.
Sta. 2652+70.00
Elev. 1259.31

VPI = +04.45
EL = 1260.30
L = 38.72'
K = 44

+2.88%

+2.00%

TIE TO E.S.
Sta. 2653+67.72
Elev. 1261.56

1259.31
1259.45
1260.14
1260.71
1261.21
1261.56

1275 1270 1265 1260 1255 1250 1245 1240 1235 1230

2645+00 2646+00 2647+00 2648+00 2649+00 2650+00 2651+00 2652+00 2653+00 2654+00 2655+00 2656+00 2657+00 2658+00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER K.1

9:28:51 AM 9/29/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\K01_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies

Knox TWP.
T-77N R-39W
SEC. 04

STA 3651+30.00 (RMP059C)
BEGIN FULL WIDTH CONSTRUCTION

STA 3653+43.81 (RMP059C)
END CONSTRUCTION

Ramp C

STA 3648+90.00 (RMP059C)
BEGIN SHOULDER CONSTRUCTION

POT STA 3653+56.06 (RMP059C)
= POT STA 7517+38.58 (ML059SB)

POE 3653+56.06

3645+00

3650+00

Ramp E

59

80

0 50 FEET

Ramp C

TIE TO E.S.
Sta. 3651+30.00
Elev. 1249.08

TIE TO E.S.
Sta. 3653+43.81
Elev. 1255.16

VPI = +50.00
EL = 1253.06
L = 100.00'
K = 89

+3.32%

+2.20%

1265 1260 1255 1250 1245 1240 1235 1230 1225 1220

1249.08 1249.74 1250.57 1251.40 1252.20 1252.92 1253.58 1254.16 1254.71 1255.13

3643+00 3644+00 3645+00 3646+00 3647+00 3648+00 3649+00 3650+00 3651+00 3652+00 3653+00 3654+00 3655+00 3656+00 3657+00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER K.2

9:29:26 AM 9/29/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\K02_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies

Ramp B

4655+00

4660+00

Knox TWP.
T-77N R-39W
SEC. 04

4665+00

PI 4664+18.36

STA 4657+60.00 (RMP059D)
END SHOULDER CONSTRUCTION

Ramp D

PC 4662+23.00

Δ = 19°20'54.87" (RT)
T = 195.36'
L = 387.00'
R = 1146.00'
E = 16.53'
e = ___
L = ___
x = ___

PCC 4666+10.00

STA 4655+40.00 (RMP059D)
END CONSTRUCTION

POB 4653+61.49

STA 4653+74.26 (RMP059D)
BEGIN FULL WIDTH CONSTRUCTION
POT STA 4653+61.49 (RMP059D)
= POT STA 8508+57.43 (ML059NB)

0 50
FEET

Ramp D

TIE TO E.S.
Sta. 4653+74.26
Elev. 1262.38

TIE TO E.S.
Sta. 4655+40.00
Elev. 1260.25

-2.00%

-1.00%

VPI = +21.98
EL = 1261.43
L = 41.00'
K = 41

1262.37 1261.87 1261.44 1261.15 1260.90 1260.65 1260.40 1260.25

1275 1270 1265 1260 1255 1250 1245 1240 1235 1230

4652+00 4653+00 4654+00 4655+00 4656+00 4657+00 4658+00 4659+00 4660+00 4661+00 4662+00 4663+00 4664+00 4665+00 4666+00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER K.3

9:29:43 AM 9/29/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\K03_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies

Knox TWP.
T-77N R-39W
SEC. 04

POT STA 5653+32.53 (RMP059E)
= POT STA 8518+45.06 (ML059NB)

STA 5653+45.23 (RMP059E)
BEGIN FULL WIDTH CONSTRUCTION

STA 5655+00.00 (RMP059E)
END CONSTRUCTION

STA 5658+40.00 (RMP059E)
END SHOULDER CONSTRUCTION

PC 5665+28.03

Ramp E

POB 5653+37.23

5655+00

5660+00

5665+00

Stage 1 Sta. 5654+48.67 (RMP059E) RT
Extend with 24" x 12' UNCL
Stage 3B Sta. 5654+48.67 (RMP059E) RT
Remove 12' and reinstall apron
Sta. 8518+04.0 (SURMLANB59)
108.7 RT
24"x42' RCP

0 50
FEET

Ramp C

Ramp E

TIE TO E.S.
Sta. 5653+45.23
Elev. 1254.35

TIE TO E.S.
Sta. 5655+00.00
Elev. 1254.21

-1.50%

+1.03%

VPI = +13.54
EL = 1253.32
L = 125.05'
K = 49

1254.27 1253.96 1253.77 1253.71 1253.77 1253.97 1254.23 1254.49

1265 1260 1255 1250 1245 1240 1235 1230 1225 1220

5651+00 5652+00 5653+00 5654+00 5655+00 5656+00 5657+00 5658+00 5659+00 5660+00 5661+00 5662+00 5663+00 5664+00 5665+00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER K.4

9:30:02 AM 9/29/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\K04_78059056Z06.dgn

Imagery ©2026 Airbus, Maxar Technologies

PLAN VIEW COLOR LEGEND OF JOINTING SHEETS

Design Color No.	Feature
(1)	Proposed Alignment, Stationing, Tic Marks, and Alignment Annotation
(55)	B Joint
(71)	C Joint
(77)	CD Joint
(76)	CT Joint
(76)	DW Joint
(76)	HT Joint
(77)	RD Joint
(76)	RT Joint
(130)	CF-1 Joint
(130)	CF-2 Joint
(130)	CF-3 Joint
(130)	CF-4 Joint
(72)	E Joint
(142)	ED Joint
(142)	EE Joint
(142)	EFJoint
(72)	ES Joint
(64)	BT-1 Joint
(64)	BT-2 Joint
(128)	BT-3 Joint
(128)	BT-4 Joint
(128)	BT-5 Joint
(128)	BT-6 Joint
(79)	K Joint
(70)	KS-1 Joint
(70)	KS-2 Joint
(138)	L-1 Joint
(138)	L-2 Joint
(138)	L-3 Joint

JOINTING NOTES:

All longitudinal joints shall be either BT-2 or L-2 unless indicated otherwise.

All transverse joints shall be CD joints with a maximum 17' spacing unless indicated otherwise,

If a joint length is 2', a C joint shall be used instead of a CD joint.

Refer to Typical 7101 for details of paved header.

Refer to Typicals 7154A and 7154B for paved shoulder details.

GEOMETRICS AND STAKING NOTES:

Refer to Appropriate Standard Road Plans for Additional Information.

Refer to G Sheets for Horizontal Alignment Information.

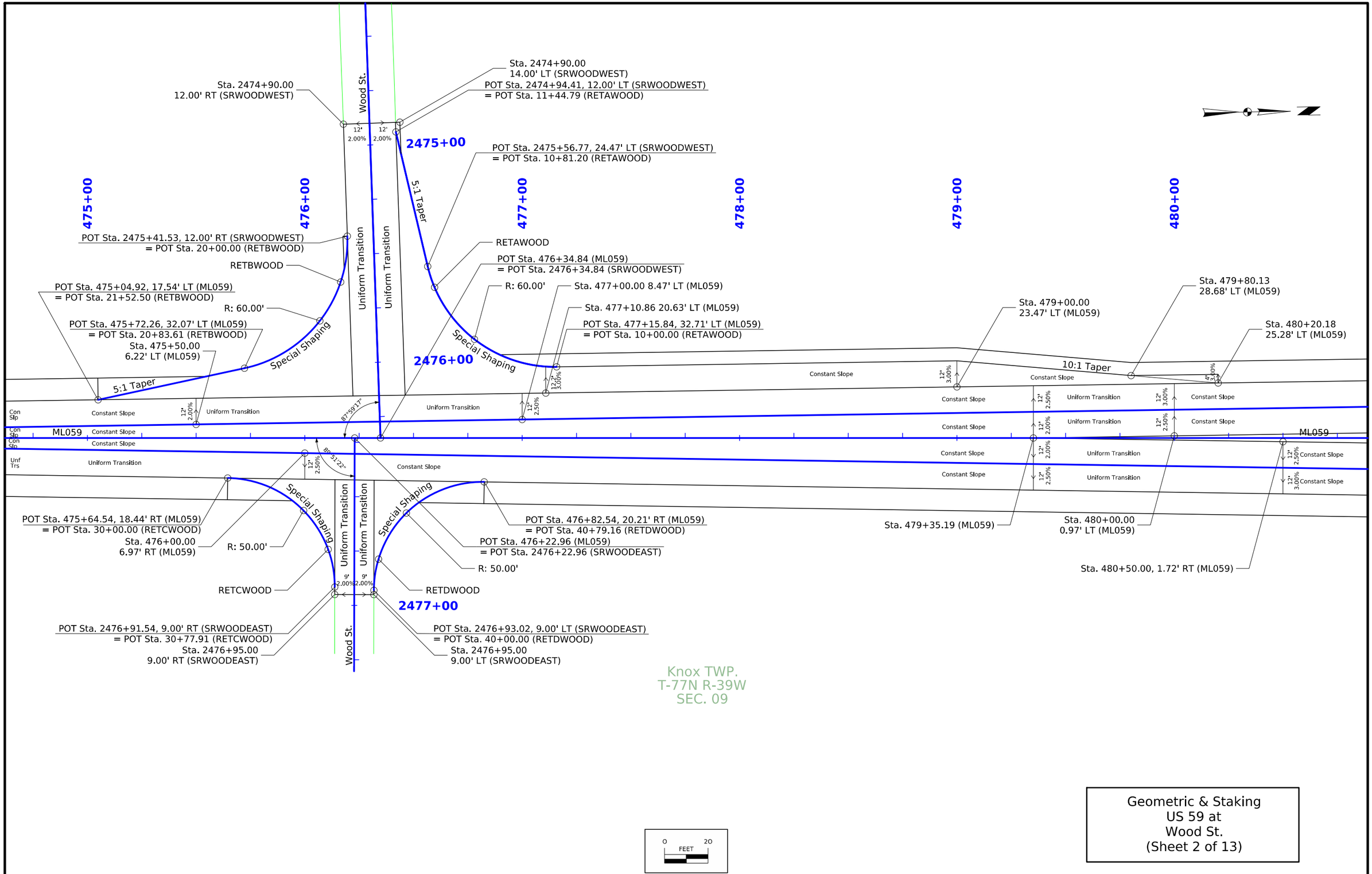
JOINTING AND GEOMETRICS LEGEND AND INFORMATION SHEET

(COVERS SHEET SERIES L)

469+00
470+00
471+00
472+00
473+00
474+00
Sta. 472+07.88
61.09' LT (ML059)
Sta. 472+34.30
61.49' LT (ML059)
POT Sta. 472+11.23 (ML059)
= POT Sta. 1472+10.50 (SRPERSHING)
R: 60.00'
R: 60.00'
Sta. 472+50.00 (ML059)
Sta. 474+50.00 (ML059)
Sta. 471+49.82
12.21' LT (ML059)
Sta. 472+93.80
14.37' LT (ML059)
Sta. 471+35.75 (ML059)
ML059
ML059
12'
2.85%
12'
2.00%
Uniform Transition
Uniform Transition
88°15'6"
13.7'
2.00%
13.7'
2.00%
Constant Slope
Constant Slope
Special Shaping
Special Shaping
Uniform Transition
Uniform Transition
9'
2.00%
9'
2.00%
POT Sta. 472+49.36, 13.71' RT (ML059)
= POT Sta. 40+46.66 (RETDPERSHING)
R: 30.00'
RETDPERSHING
POT Sta. 471+71.36, 12.54' RT (ML059)
= POT Sta. 30+00.00 (RETCPERSHING)
RETCPERSHING
R: 30.00'
POT Sta. 1472+54.24, 9.00' RT (SRPERSHING)
= POT Sta. 30+47.59 (RETCPERSHING)
Sta. 1472+55.00
9.00' RT (SRPERSHING)
Pershing St.
POT Sta. 1472+53.03, 9.00' LT (SRPERSHING)
= POT Sta. 40+00.00 (RETDPERSHING)
Sta. 1472+55.00
9.00' LT (SRPERSHING)
1473+00
Knox TWP.
T-77N R-39W
SEC. 09
0 20
FEET
Geometric & Staking
US 59 at
Pershing St.
(Sheet 1 of 13)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER L.2	

12:23:41 PM 9/17/2026 emcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\L02_78059056Z06.dgn

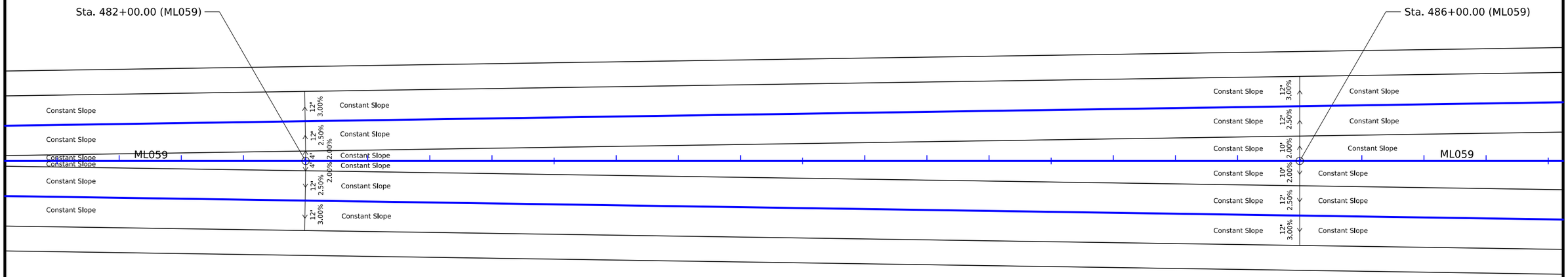


Geometric & Staking
US 59 at
Wood St.
(Sheet 2 of 13)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER L.3

12:23:43 PM 9/17/2026 emcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\L02_78059056Z06.dgn

481+00 | 482+00 | 483+00 | 484+00 | 485+00 | 486+00 | 487+00



Knox TWP.
T-77N R-39W
SEC. 09

0 20
FEET

Geometric & Staking
US 59

(Sheet 3 of 13)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER L.4	

12:23:44 PM 9/17/2026 emcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\L02_78059056Z06.dgn

487+00
488+00
489+00
490+00
491+00
492+00
493+00

Sta. 488+00.00 (ML059)

Sta. 492+00.00 (ML059)

ML059

ML059

Constant Slope
12'
3.00%
Constant Slope

Constant Slope
12'
2.50%
Constant Slope

Constant Slope
13'
2.00%
Constant Slope

Constant Slope
13'
2.00%
Constant Slope

Constant Slope
12'
2.50%
Constant Slope

Constant Slope
12'
3.00%
Constant Slope

Constant Slope
12'
3.00%
Constant Slope

Constant Slope
12'
2.50%
Constant Slope

Constant Slope
18.9'
2.00%
Constant Slope

Constant Slope
18.9'
2.00%
Constant Slope

Constant Slope
12'
2.50%
Constant Slope

Constant Slope
12'
3.00%
Constant Slope

Knox TWP.
T-77N R-39W
SEC. 09

Knox TWP.
T-77N R-39W
SEC. 04

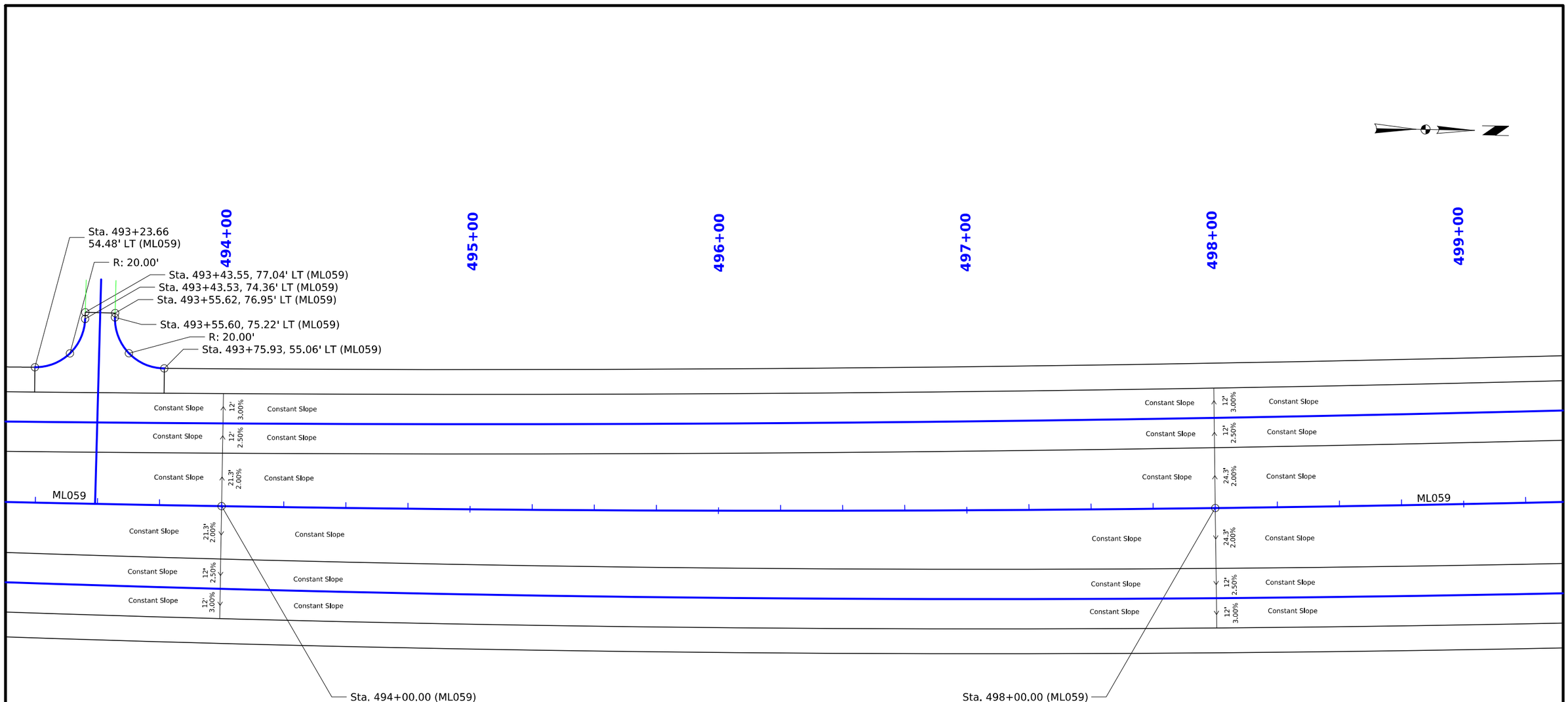
0 20
FEET

Geometric & Staking
US 59

(Sheet 4 of 13)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER L.5

12:23:44 PM 9/17/2026 emcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\L02_78059056Z06.dgn



Knox TWP.
T-77N R-39W
SEC. 04

0 20
FEET

Geometric & Staking
US 59

(Sheet 5 of 13)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER L.6	

12:23:46 PM 9/17/2026 emcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\L02_78059056Z06.dgn

500+00
501+00
502+00
503+00
504+00
505+00
Sta. 501+61.14, 81.04' LT (ML059)
Sta. 501+73.14
80.96' LT (ML059)
Sta. 501+61.13
78.88' LT (ML059)
Sta. 501+73.13, 79.12' LT (ML059)
R: 20.00'
R: 20.00'
Sta. 501+41.13, 59.00' LT (ML059)
Sta. 501+93.13, 59.00' LT (ML059)
Sta. 500+00.00 (ML059)
Sta. 504+00.00 (ML059)
Constant Slope 12' 3.00%
Constant Slope 12' 2.50%
Constant Slope 24.9' 2.00%
Constant Slope 24.9' 2.00%
Constant Slope 12' 2.50%
Constant Slope 12' 3.00%
Constant Slope
POT Sta. 501+66.91 (ML059)
= POT Sta. 3501+66.91 (SRLAVISTA)
ML059
ML059
90°-2'49"
3502+00
Special Shaping
Unf Trs 12' 2.50%
Unf Trs 12' 2.00%
Unf Trs 12' 2.00%
Unf Trs 12' 2.50%
Special Shaping
POT Sta. 501+17.94, 49.00' RT (ML059)
= POT Sta. 30+00.00 (RETCLAVISTA)
R: 25.00'
RETCLAVISTA
POT Sta. 3502+40.91, 24.00' RT (SRLAVISTA)
= POT Sta. 30+39.27 (RETCLAVISTA)
Sta. 3502+42.00
24.00' RT (SRLAVISTA)
POT Sta. 502+15.94, 49.00' RT (ML059)
= POT Sta. 40+39.27 (RETDLAVISTA)
R: 25.00'
RETDLAVISTA
POT Sta. 3502+40.91, 24.00' LT (SRLAVISTA)
= POT Sta. 40+00.00 (RETDLAVISTA)
Sta. 3502+42.00
24.00' LT (SRLAVISTA)
N Lavista Heights Rd
3503+00
Knox TWP.
T-77N R-39W
SEC. 04
0 20
FEET
Geometric & Staking
US 59 at
Lavista Heights Rd.
(Sheet 6 of 13)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER L.7

12:23:47 PM 9/17/2026 emcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\L02_78059056Z06.dgn

Sta. 2652+70.00 (RMP059B)
POT Sta. 2652+80.62 (RMP059B)
= POT Sta. 20+00.00 (RETBRMP059B)
RETBRMP059B
R: 100.00'
18'
2.00%
POT Sta. 2653+32.98, 18.00' LT (RMP059B)
= POT Sta. 10+44.53 (RETARMP059B)
506+00
507+00
508+00
509+00
2653+00
510+00
511+00
Sta. 509+59.88,
37.00' LT (ML059)
R: 25.00'
Sta. 509+83.88
37.00' LT (ML059)
POT Sta. 509+45.99, 37.00' LT (ML059)
= POT Sta. 2653+79.99 (RMP059B)
POT Sta. 509+97.85, 49.00' LT (ML059)
= POT Sta. 10+00.00 (RETARMP059B)
POT Sta. 507+19.69, 49.00' LT (ML059)
= POT Sta. 22+85.42 (RETBRMP059B)
Special Shaping
Ramp B
Uniform Transition
Sta. 510+44.41
37.00' LT (ML059)
Sta. 511+54.38
37.00' LT (ML059)
POT Sta. 508+72.92, 55.13' LT (ML059)
= POT Sta. 21+32.06 (RETBRMP059B)
25:1 Taper
102°2'45"
Constant Slope
Uniform Transition
12'
3.00%
2.00%
2.50%
ML059
Sta. 510+60.00 (ML059)
109°59'43"
4654+00
POT Sta. 507+21.15, 49.00' RT (ML059)
= POT Sta. 30+00.00 (RETCRMP059D)
Special Shaping
Ramp D
Uniform Transition
Sta. 509+41.41 (ML059)
POT Sta. 509+22.45, 49.00' RT (ML059)
= POT Sta. 40+47.99 (RETDRMP059D)
Sta. 510+49.41
37.00' RT (ML059)
Sta. 511+57.16
37.00' RT (ML059)
POT Sta. 508+56.84, 37.00' RT (ML059)
= POT Sta. 4653+61.49 (RMP059D)
R: 25.00'
Sta. 510+25.41
37.00' RT (ML059)
RETDRMP059D
POT Sta. 4654+18.70, 24.00' LT (RMP059D)
= POT Sta. 40+00.00 (RETDRMP059D)
R: 200.00'
RETCRMP059D
Knox TWP.
T-77N R-39W
SEC. 04
4655+00
POT Sta. 4655+14.32 (RMP059D)
= POT Sta. 32+44.36 (RETCRMP059D)
Sta. 4655+40.00 (RMP059D)
24'
2.00%
0 20
FEET

Geometric & Staking
US 59 at
I 80 Ramps
(Sheet 7 of 13)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER L.8

12:23:49 PM 9/17/2026 emcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\L02_78059056Z06.dgn

POT Sta. 3651+55.82 (RMP059C)
= POT Sta. 13+15.21 (RETARMP059C)

24'
2.00%

3652+00

RETARMP059C

R: 230.00'

Knox TWP.
T-77N R-39W
SEC. 04

POT Sta. 517+42.47, 37.00' LT (ML059)
= POT Sta. 3653+56.06 (RMP059C)

POT Sta. 3653+08.35, 24.00' RT (RMP059C)
= POT Sta. 20+00.00 (RETBRMP059B)

515+00 | 516+00 | 517+00 | 518+00 | 519+00 | 520+00 | 521+00

Uniform Transition

Ramp C

3653+00

Special Shaping

RETBRMP059B

R: 25.00'

Sta. 515+24.62
37.00' LT (ML059)

Sta. 517+04.00
37.00' LT (ML059)

POT Sta. 516+84.95, 49.00' LT (ML059)
= POT Sta. 20+44.28 (RETBRMP059B)

78°31'22"

Sta. 517+68.00 (ML059)

POT Sta. 519+28.02, 49.00' LT (ML059)
= POT Sta. 10+00.00 (RETARMP059C)

12' 2.00% Constant Slope | 12' 2.00% Uniform Transition | 12' 3.00% Constant Slope | 12' 3.00% Constant Slope
12' 2.00% Constant Slope | 12' 2.00% Uniform Transition | 12' 2.50% Constant Slope

25' 3.00% Uniform Transition | 25' 2.00% Constant Slope

Sta. 516+60.00 (ML059)

ML059 ML059

Sta. 516+84.00
37.00' RT (ML059)

25' 3.00% Uniform Transition | 25' 2.00% Constant Slope

12' 2.00% Constant Slope | 12' 2.00% Uniform Transition | 12' 2.50% Constant Slope

12' 2.00% Constant Slope | 12' 2.00% Uniform Transition | 12' 2.50% Uniform Transition | 12' 2.50% Constant Slope | 12' 3.00% Constant Slope

70°51'19"

Ramp E

Special Shaping

Sta. 515+16.85
37.00' RT (ML059)

Sta. 517+44.00
37.00' RT (ML059)

POT Sta. 517+86.11, 49.00' RT (ML059)
= POT Sta. 30+00.00 (RETCRMP059E)

R: 25.00'

RETCRMP059E

POT Sta. 5653+86.62, 18.00' RT (RMP059E)
= POT Sta. 30+47.62 (RETCRMP059E)

Uniform Transition

POT Sta. 519+22.11, 49.00' RT (ML059)
= POT Sta. 41+42.22 (RETDRMP059E)

RETDRMP059E

POT Sta. 518+44.47, 37.00' RT (ML059)
= POT Sta. 5653+32.53 (RMP059E)

5654+00

R: 115.00'

18'
2.00%

POT Sta. 5654+27.04 (RMP059E)
= POT Sta. 40+00.00 (RETDRMP059E)

0 20
FEET

Geometric & Staking
US 59 at
I 80 Ramps
(Sheet 8 of 13)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER L.9

12:23:51 PM 9/17/2026 emcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\L02_78059056Z06.dgn

Knox TWP.
T-77N R-39W
SEC. 04

522+00
523+00
524+00
Marty Drive
525+00
526+00
527+00
4423+00
4424+00

POT Sta. 4423+71.87, 50.75' RT (SRMARTY)
= POT Sta. 20+00.00 (RETB_SRMARTY)

POT Sta. 4423+74.83, 44.03' LT (SRMARTY)
= POT Sta. 10+87.14 (RETA_SRMARTY)

RETB_SRMARTY
R: 125.00'
RETA_SRMARTY
R: 50.00'

POT Sta. 523+41.23, 59.92' LT (ML059)
= POT Sta. 20+75.05 (RETB_SRMARTY)

POT Sta. 525+32.21, 63.99' LT (ML059)
= POT Sta. 10+47.96 (RETA_SRMARTY)

POT Sta. 522+32.23, 49.00' LT (ML059)
= POT Sta. 21+84.85 (RETB_SRMARTY)

POT Sta. 525+77.60, 48.83' LT (ML059)
= POT Sta. 10+00.00 (RETA_SRMARTY)

Special Shaping
Special Shaping
10:1 Taper
3:1 Taper

12' 2.50% Unf Trs
12' 2.00% Unf Trs
12' 2.00% Unf Trs
12' 2.50% Unf Trs

Constant Slope 12' 3.00% Constant Slope
Constant Slope 12' 2.50% Constant Slope
Constant Slope 25' 2.00% Constant Slope
ML059
Constant Slope 25' 2.00% Constant Slope
Constant Slope 12' 2.50% Constant Slope
Constant Slope 12' 3.00% Constant Slope

88°9'37"

POT Sta. 524+62.44 (ML059)
= POT Sta. 4424+62.44 (SRMARTY)

Sta. 522+00.00 (ML059)
Sta. 523+66.85
49.00' RT (ML059)
R: 60.00'
Sta. 524+27.05, 105.99' RT (ML059)
R: 50.00'
Sta. 524+24.11
125.59' RT (ML059)
Sta. 524+77.25
122.86' RT (ML059)
R: 70.00'
Sta. 525+47.51
49.00' RT (ML059)
Sta. 526+00.00 (ML059)

0 20
FEET

Geometric & Staking
US 59 at
Marty Dr.
(Sheet 9 of 13)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER L.10

12:23:53 PM 9/17/2026 emcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\L02_78059056Z06.dgn

528+00
529+00
530+00
531+00
532+00
533+00
Knox TWP.
T-77N R-39W
SEC. 04
Sta. 528+00.00 (ML059)
Sta. 533+00.00 (ML059)
Constant Slope
12' 3.00%
12' 2.50%
25' 2.00%
ML059
POT Sta. 529+68.38 (ML059)
= POT Sta. 5529+68.38 (SRYORK)
88°43'01"
5530+00
POT Sta. 528+18.56, 49.00' RT (ML059)
= POT Sta. 30+00.00 (RETCYORK)
RETCYORK
Special Shaping
R: 120.00'
York St.
Uniform Transition
Special Shaping
RETDYORK
R: 125.00'
POT Sta. 531+15.52, 49.00' RT (ML059)
= POT Sta. 41+93.55 (RETDYORK)
5531+00
POT Sta. 5531+39.04, 26.00' LT (SRYORK)
= POT Sta. 40+00.00 (RETDYORK)
POT Sta. 5531+40.69, 26.00' RT (SRYORK)
= POT Sta. 31+91.18 (RETCYORK)
Sta. 5531+45.00, 26.00' LT (SRYORK)
Sta. 5531+45.00, 26.00' RT (SRYORK)
14' 2.50%
12' 2.00%
12' 2.00%
14' 2.50%
0 20
FEET

Geometric & Staking
US 59 at
York St.
(Sheet 10 of 13)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER L.11

12:23:54 PM 9/17/2026 emcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\L02_78059056Z06.dgn

534+00
535+00
536+00
537+00
538+00
539+00

Sta. 534+00.00 (ML059)

Sta. 539+00.00 (ML059)

ML059

ML059

Constant Slope
12'
3.00%
Constant Slope

Constant Slope
12'
2.50%
Constant Slope

Constant Slope
24.8'
2.00%
Constant Slope

Constant Slope
24.8'
2.00%
Constant Slope

Constant Slope
12'
2.50%
Constant Slope

Constant Slope
12'
3.00%
Constant Slope

Constant Slope
12'
3.00%
Constant Slope

Constant Slope
12'
2.50%
Constant Slope

Constant Slope
15.2'
2.00%
Constant Slope

Constant Slope
16.9'
2.00%
Constant Slope

Constant Slope
12'
2.50%
Constant Slope

Constant Slope
12'
3.00%
Constant Slope

Knox TWP.
T-77N R-39W
SEC. 04

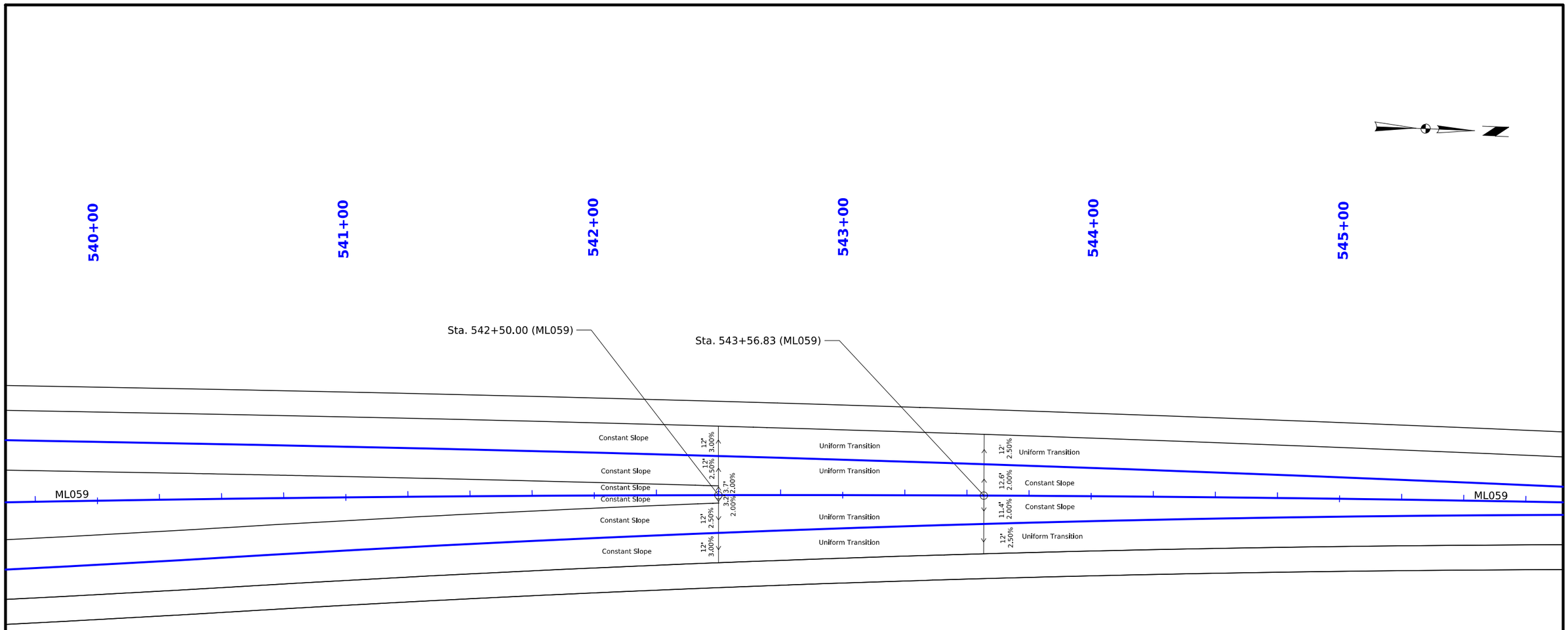
0 20
FEET

Geometric & Staking
US 59

(Sheet 11 of 13)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER L.12

12:23:55 PM 9/17/2026 emcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\L02_78059056Z06.dgn



Knox TWP.
T-77N R-39W
SEC. 04

Fairview TWP.
T-78N R-39W
SEC. 33

0 20
FEET

Geometric & Staking
US 59

(Sheet 12 of 13)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER L.13	

12:23:55 PM 9/17/2026 emcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\L02_78059056Z06.dgn

546+00

547+00

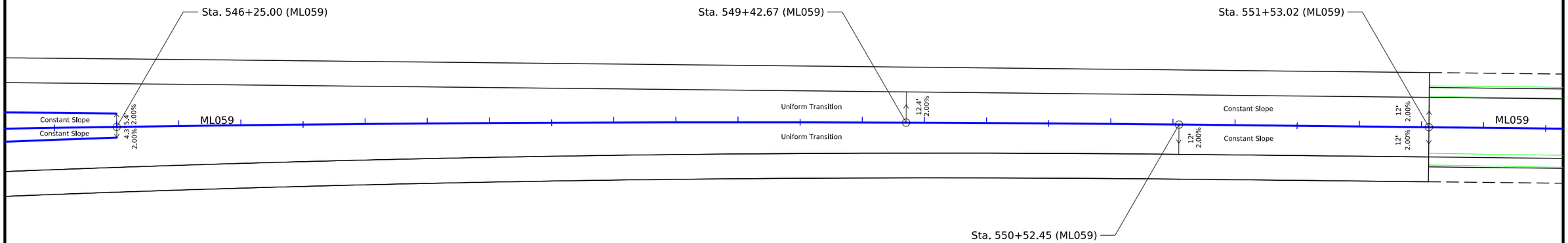
548+00

549+00

550+00

551+00

552+00



Fairview TWP.
T-78N R-39W
SEC. 33

0 20
FEET

Geometric & Staking
US 59

(Sheet 13 of 13)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER L.14	

12:23:56 PM 9/17/2026 emcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\L02_78059056Z06.dgn

469+00

470+00

471+00

472+00

473+00

474+00

Pershing St.

1473+00

Knox TWP.
T-77N R-39W
SEC. 09

0 20
FEET

Jointing Details
US 59 at
Pershing St.
(Sheet 1 of 13)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER L.15

12:24:03 PM 9/17/2026 emcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\L15_78059056Z06.dgn

Wood St.

2475+00

475+00

476+00

477+00

478+00

479+00

480+00

Wood St.

2477+00

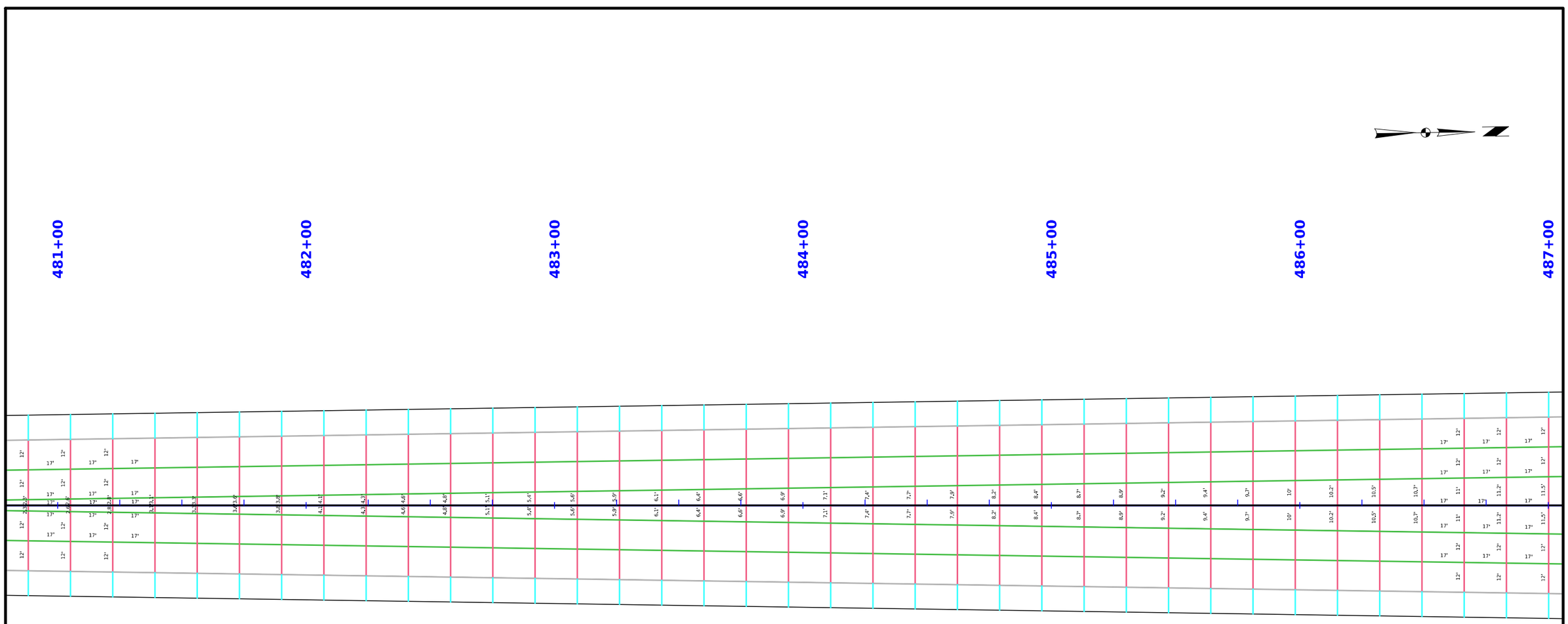
Knox TWP.
T-77N R-39W
SEC. 09

0 20
FEET

Jointing Details
US 59 at
Wood St.
(Sheet 2 of 13)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER L.16

12:24:04 PM 9/17/2026 emcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\L15_78059056Z06.dgn



Knox TWP.
T-77N R-39W
SEC. 09

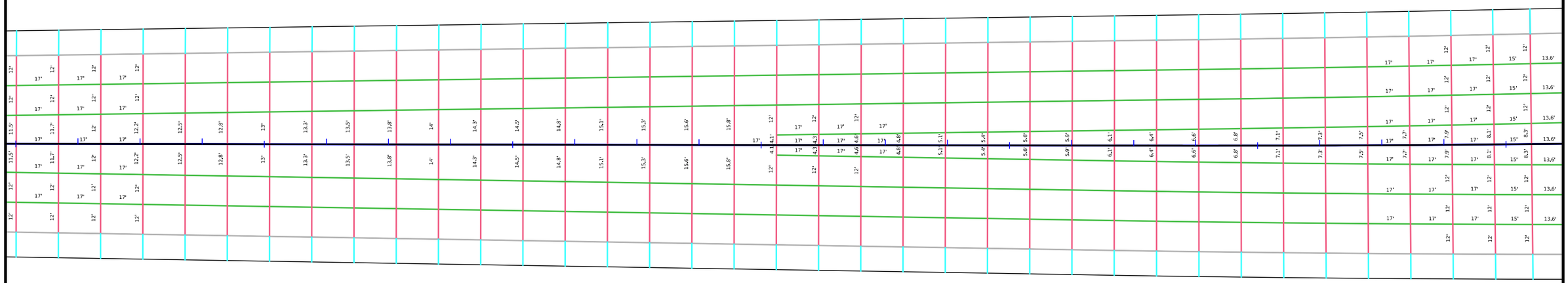
0 20
FEET

Jointing Details
US 59

(Sheet 3 of 13)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER L.17	

12:24:04 PM 9/17/2026 emcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\L15_78059056Z06.dgn



Knox TWP.
T-77N R-39W
SEC. 09

Knox TWP.
T-77N R-39W
SEC. 04

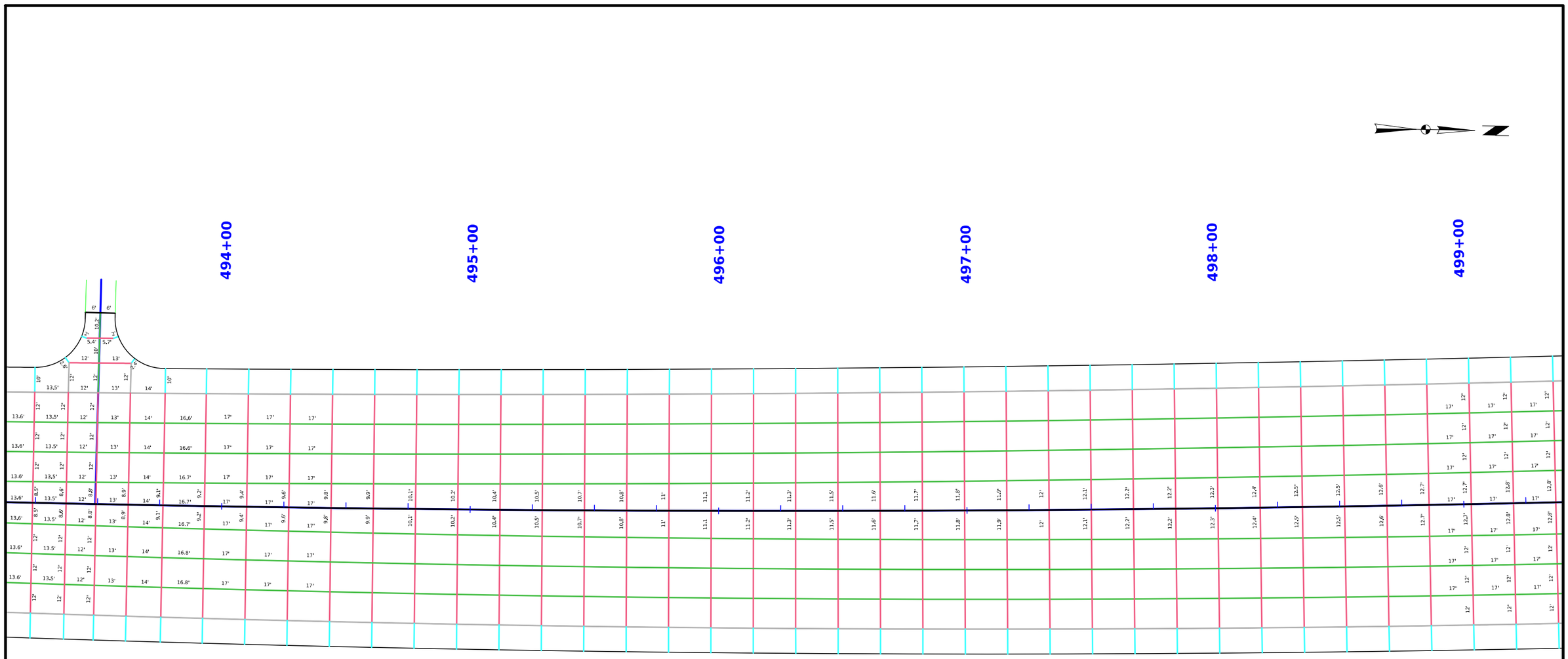
0 20
FEET

Jointing Details
US 59

(Sheet 4 of 13)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER L.18	

12:24:05 PM 9/17/2026 emcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\L15_78059056Z06.dgn



Knox TWP.
T-77N R-39W
SEC. 04

0 20
FEET

Jointing Details
US 59

(Sheet 5 of 13)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER L.19	

12:24:05 PM 9/17/2026 emcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\L15_78059056Z06.dgn

500+00

501+00

502+00

503+00

504+00

505+00

N Lavista Heights Rd

3503+00

Knox TWP.
T-77N R-39W
SEC. 04

0 20
FEET

Jointing Details
US 59 at
Lavista Heights Rd.
(Sheet 6 of 13)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER L.20

12:24:06 PM 9/17/2026 emcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\L15_78059056Z06.dgn

506+00

507+00

508+00

509+00

2652+00

2653+00

510+00

511+00

Ramp B

Ramp D

4654+00

4655+00

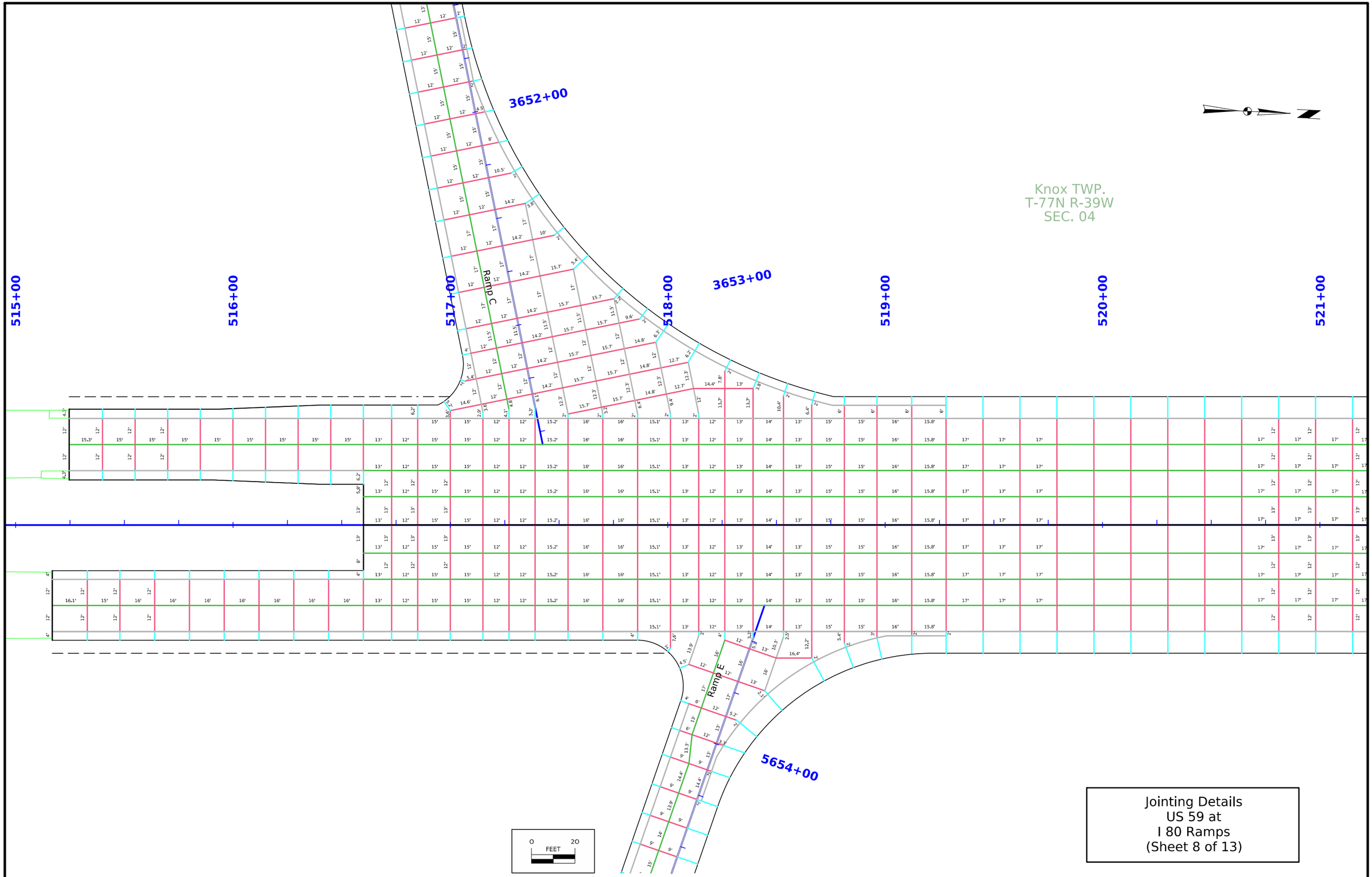
Knox TWP.
T-77N R-39W
SEC. 04

0 20
FEET

Jointing Details
US 59 at
I 80 Ramps
(Sheet 7 of 13)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER L.21	

12:24:07 PM 9/17/2026 emcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\L15_78059056Z06.dgn



FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER L.22

12:24:07 PM 9/17/2026 emcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\L15_78059056Z06.dgn

522+00

523+00

524+00

4423+00

Marty Drive

525+00

Knox TWP.
T-77N R-39W
SEC. 04

526+00

527+00

0 20
FEET

Jointing Details
US 59 at
Marty Dr.
(Sheet 9 of 13)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER L.23

12:24:08 PM 9/17/2026 emcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\L15_78059056Z06.dgn

528+00

529+00

530+00

Knox TWP.
T-77N R-39W
SEC. 04

531+00

532+00

533+00

York Rd.

5531+00

0 20
FEET

Jointing Details
US 59 at
York St.
(Sheet 10 of 13)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER L.24

12:24:09 PM 9/17/2026 emcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\L15_78059056Z06.dgn

534+00

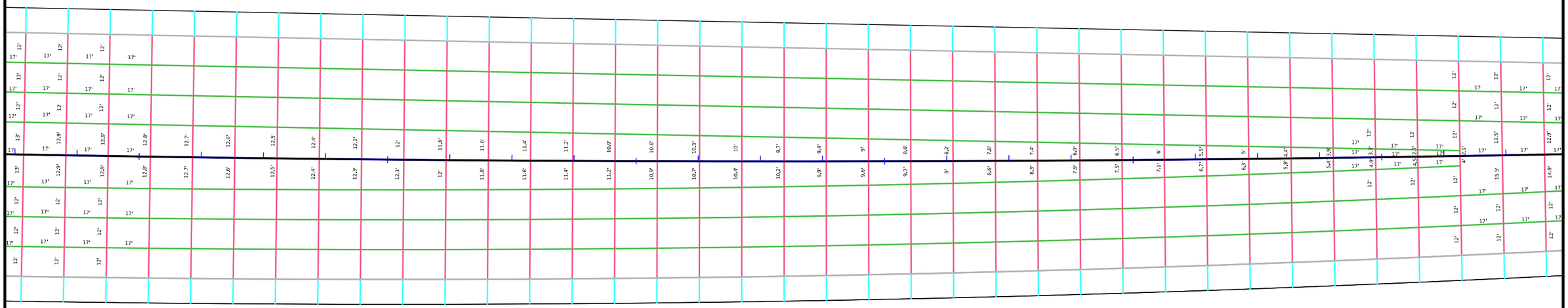
535+00

536+00

537+00

538+00

539+00



Knox TWP.
T-77N R-39W
SEC. 04

0 20
FEET

Jointing Details
US 59

(Sheet 11 of 13)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER L.25	

12:24:09 PM 9/17/2026 emcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\L15_78059056Z06.dgn

540+00

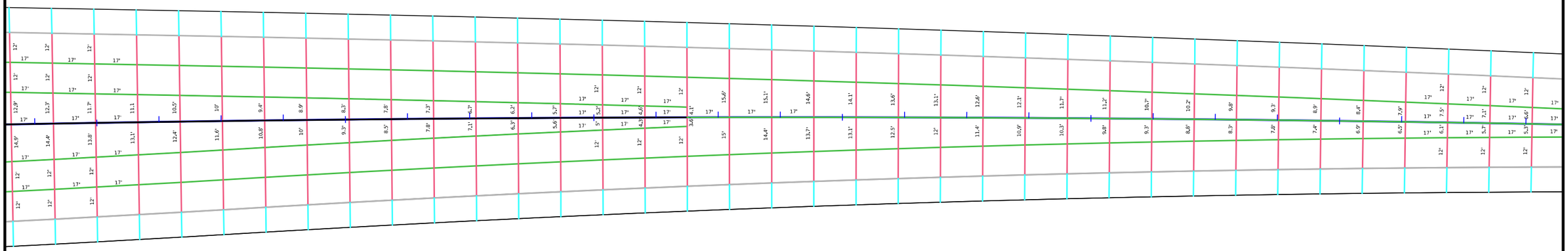
541+00

542+00

543+00

544+00

545+00



Knox TWP.
T-77N R-39W
SEC. 04

Fairview TWP.
T-78N R-39W
SEC. 33

0 20
FEET

Jointing Details
US 59

(Sheet 12 of 13)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER L.26	

12:24:10 PM 9/17/2026 emcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\L15_78059056Z06.dgn

546+00

547+00

548+00

549+00

550+00

551+00

552+00



Fairview TWP.
T-78N R-39W
SEC. 33

0 20
FEET

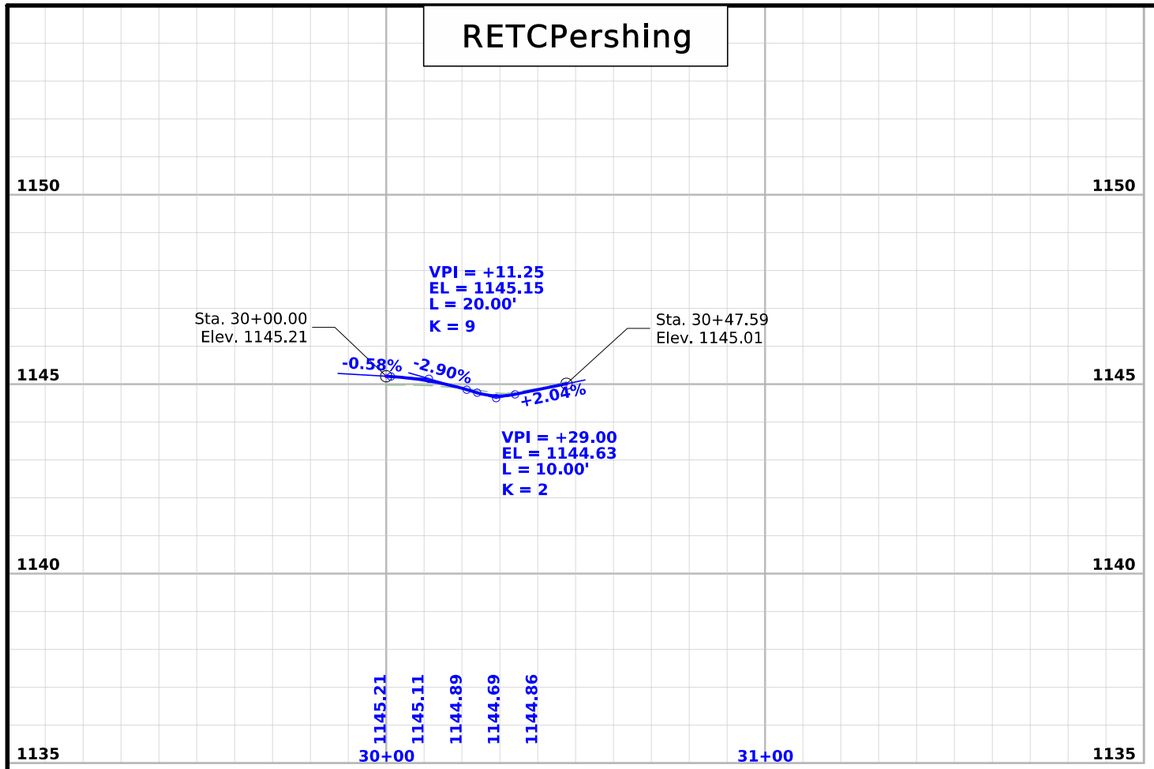
Jointing Details
US 59

(Sheet 13 of 13)

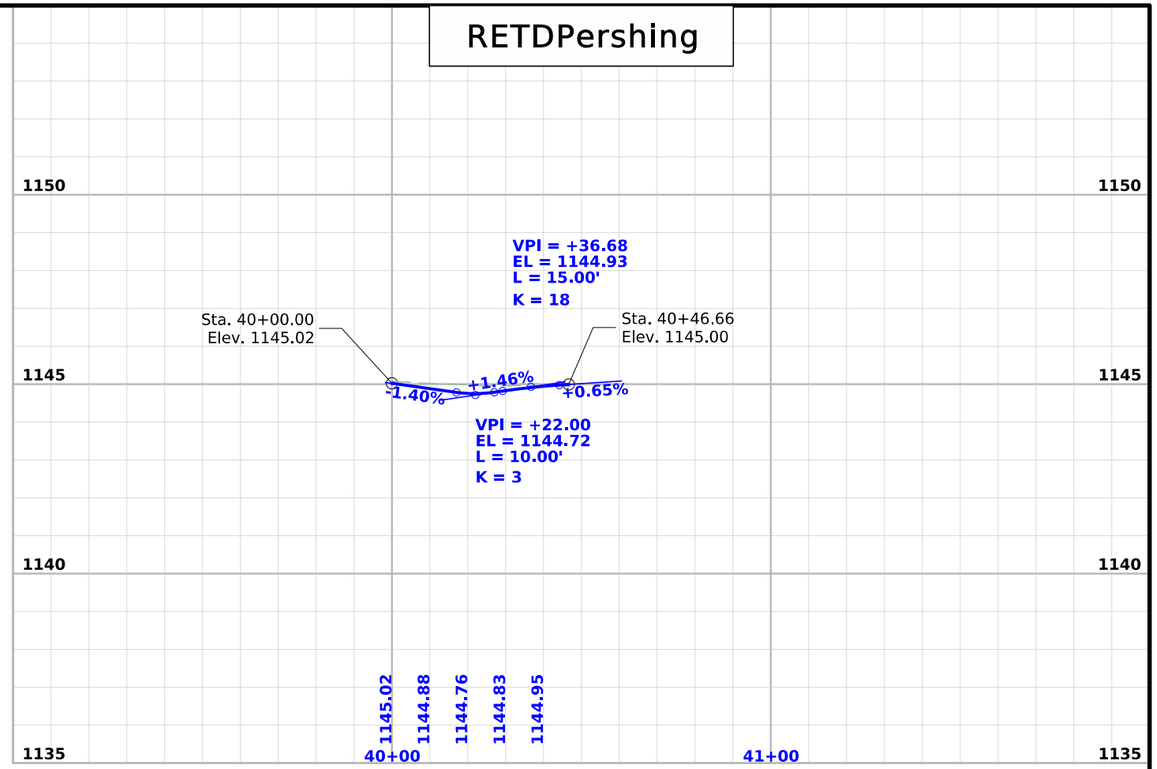
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER L.27

12:24:10 PM 9/17/2026 emcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\L15_78059056Z06.dgn

RETCPershing



RETDPershing

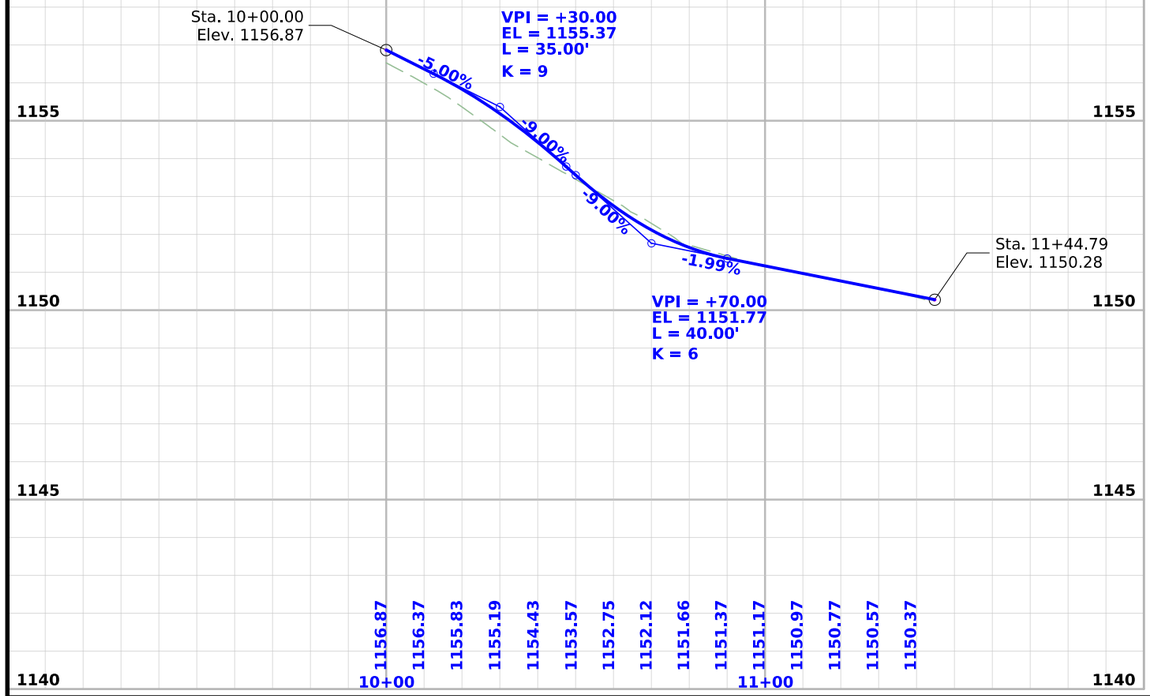


Edge Return Profiles
US59 at Pershing
Intersection
(Sheet 1 of 7)

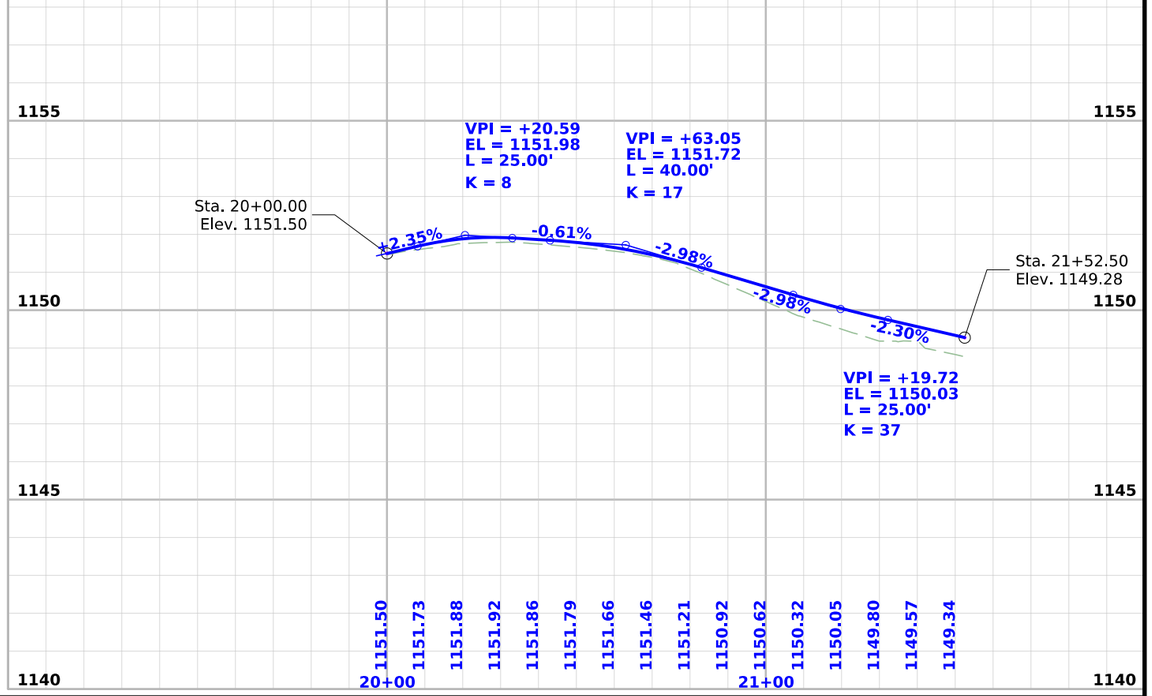
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER L.28	

12:24:21 PM 9/17/2026 emcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\L28_78059056Z06.dgn

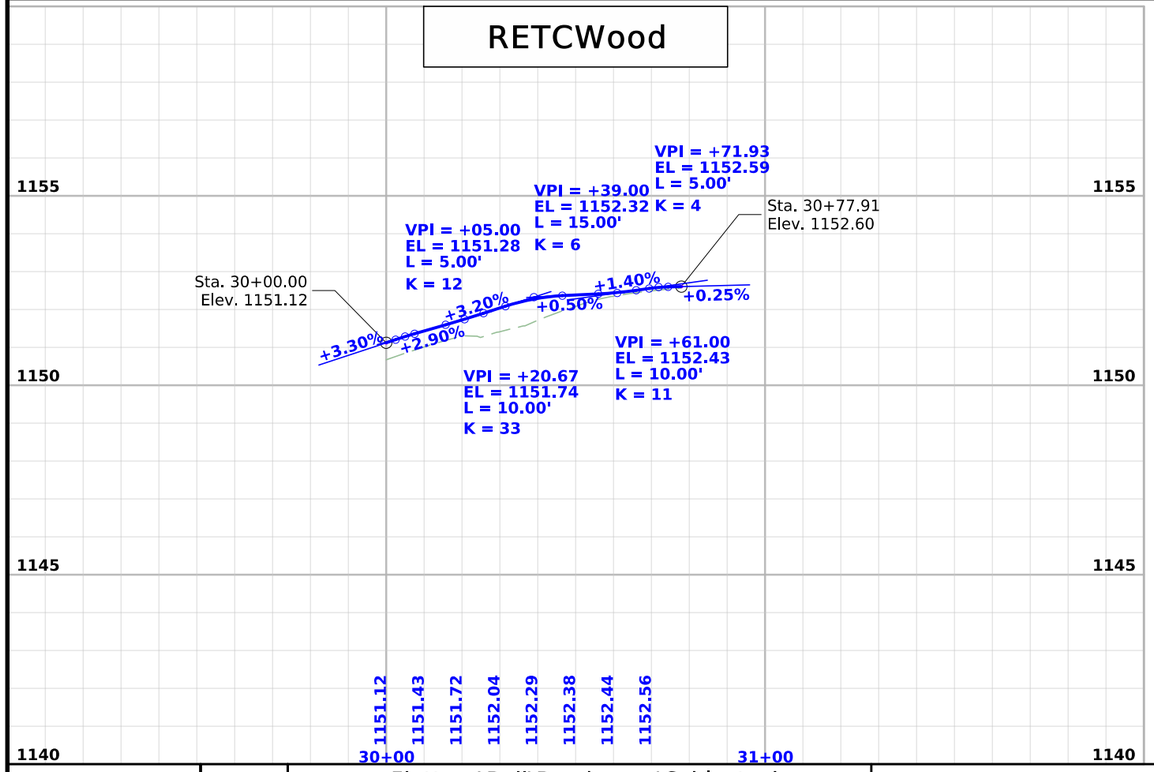
RETAWood



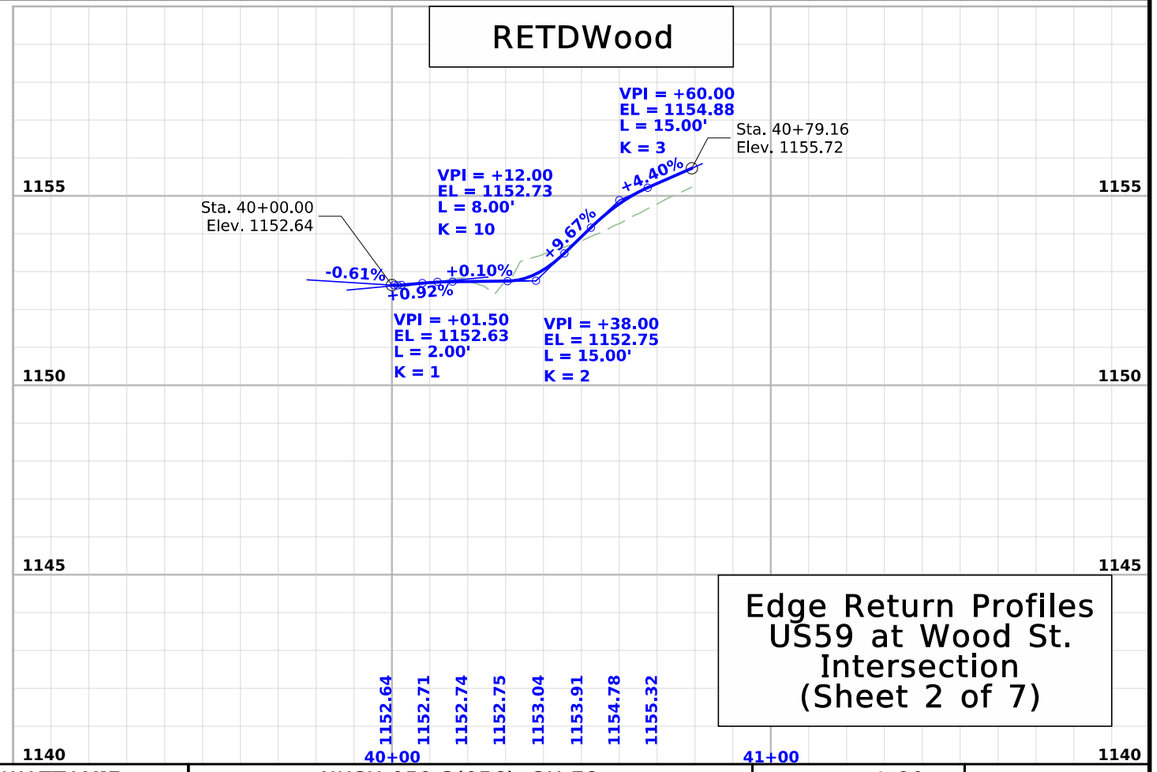
RETBWood



RETCWood



RETDWood

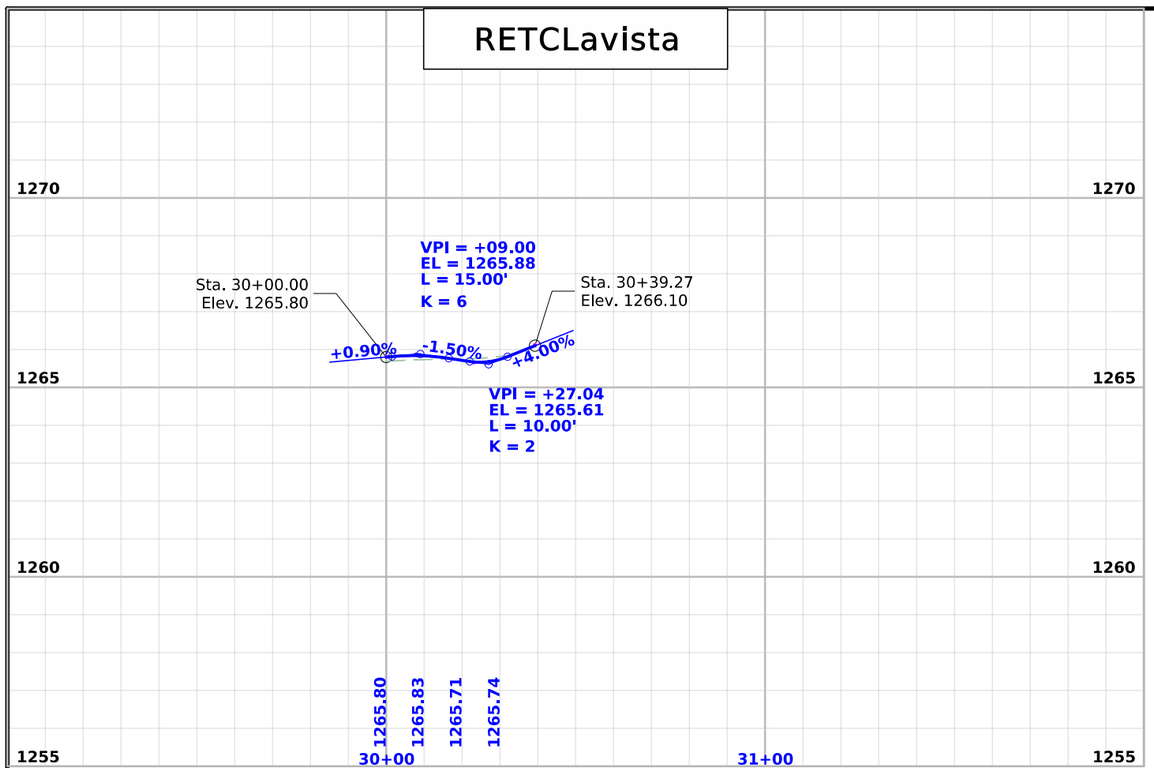


Edge Return Profiles US59 at Wood St. Intersection (Sheet 2 of 7)

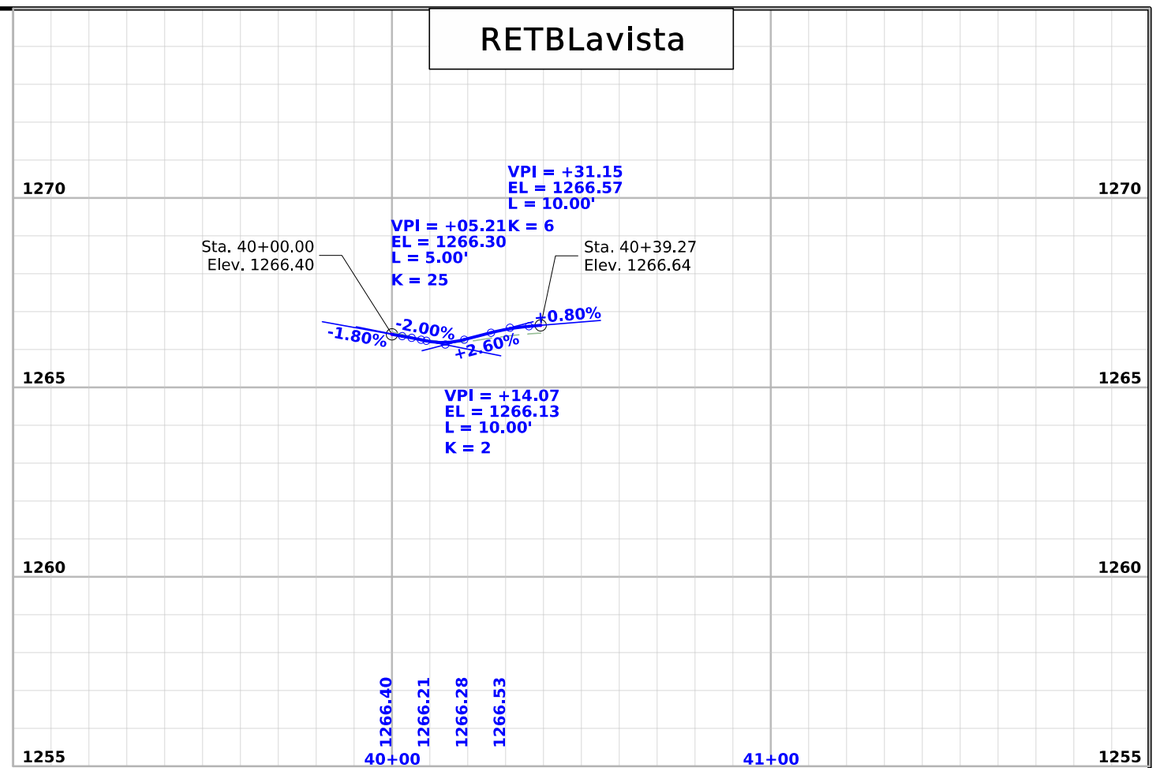
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER L.29

12:24:21 PM 9/17/2026 emcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\L28_78059056Z06.dgn

RETCLavista



RETBLavista

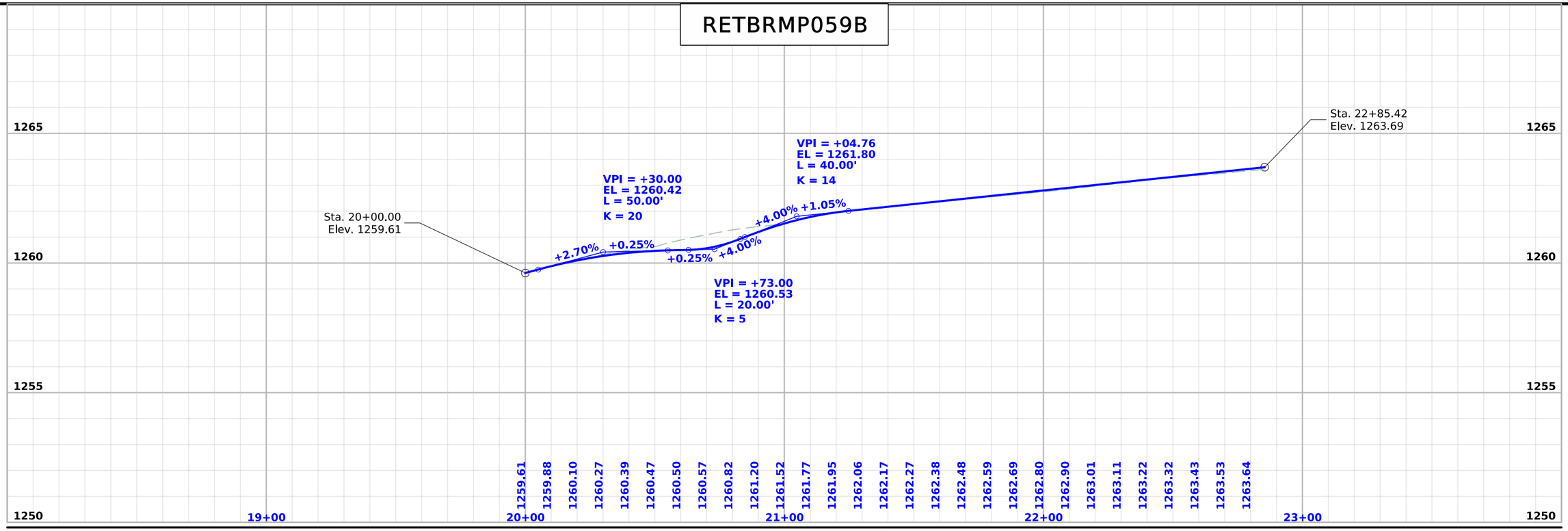


Edge Return Profiles
US59 at Lavista
Intersection
(Sheet 3 of 7)

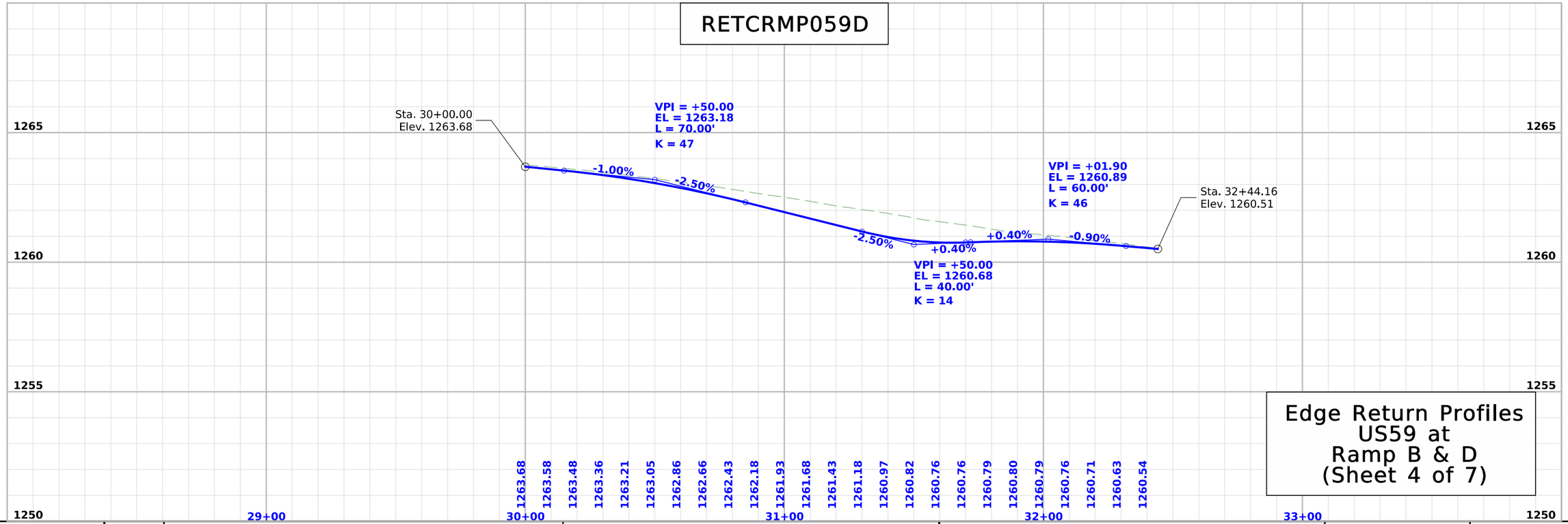
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER L.30

12:24:22 PM 9/17/2026 emcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\L28_78059056Z06.dgn

RETBRMP059B



RETCRMP059D



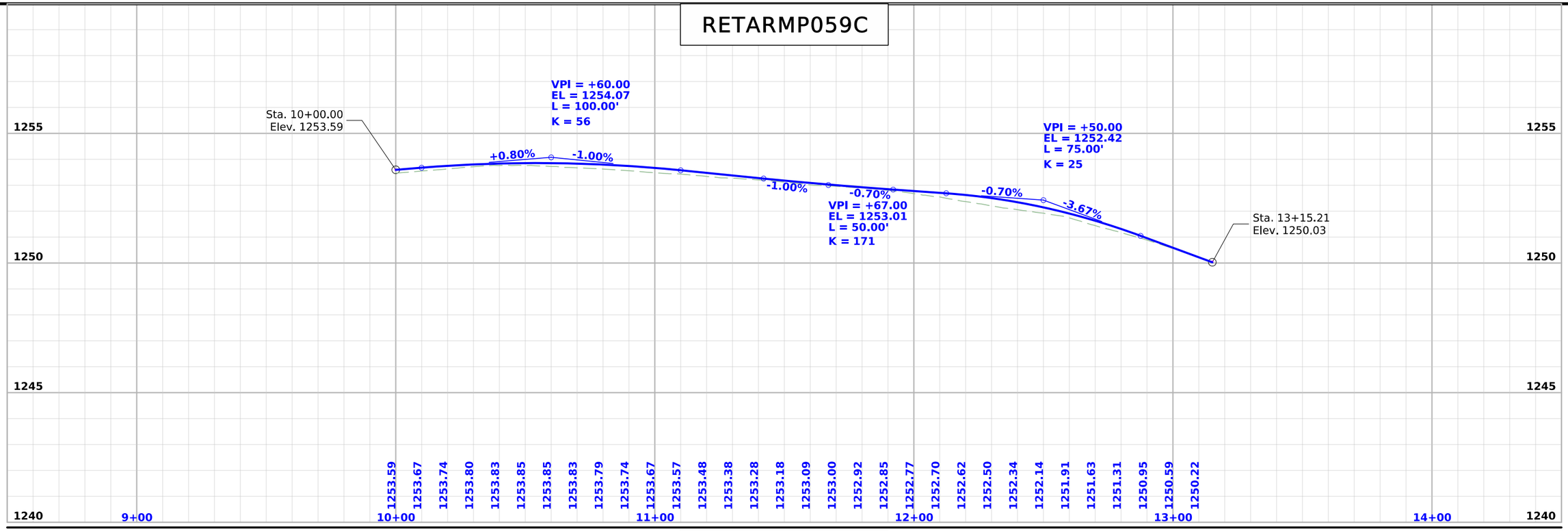
Edge Return Profiles US59 at Ramp B & D (Sheet 4 of 7)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER L.31

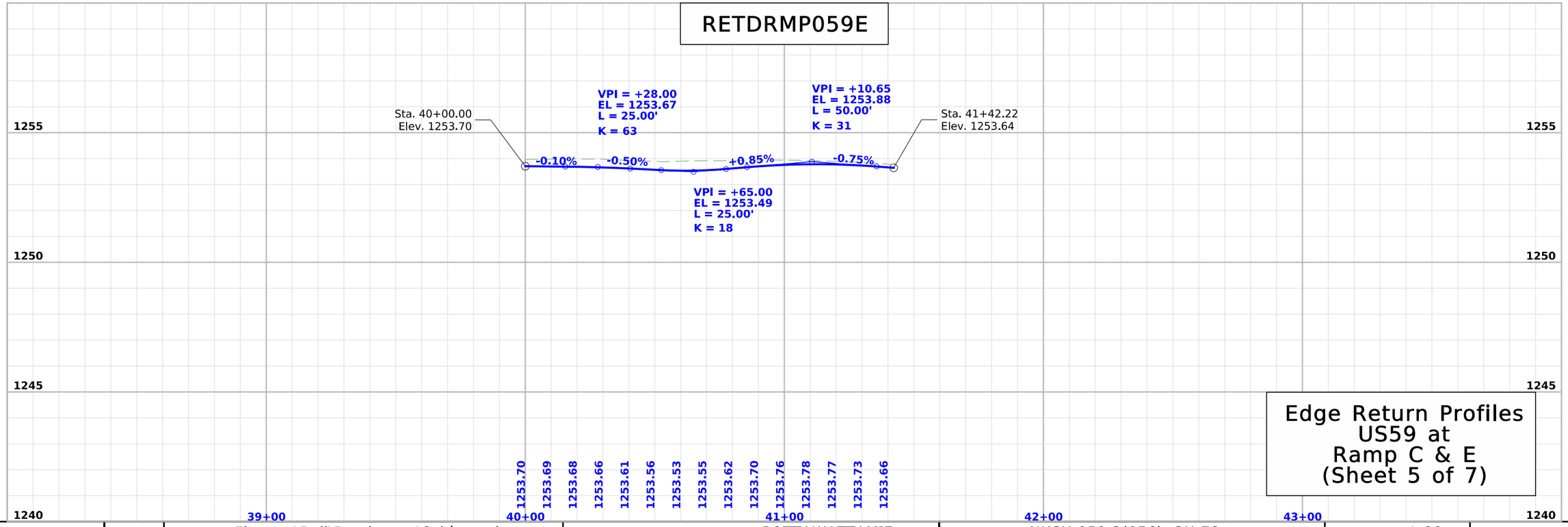
12:24:23 PM 9/17/2026 emcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\L28_78059056Z06.dgn

RETCRMP059D - Profile 1

RETARMP059C



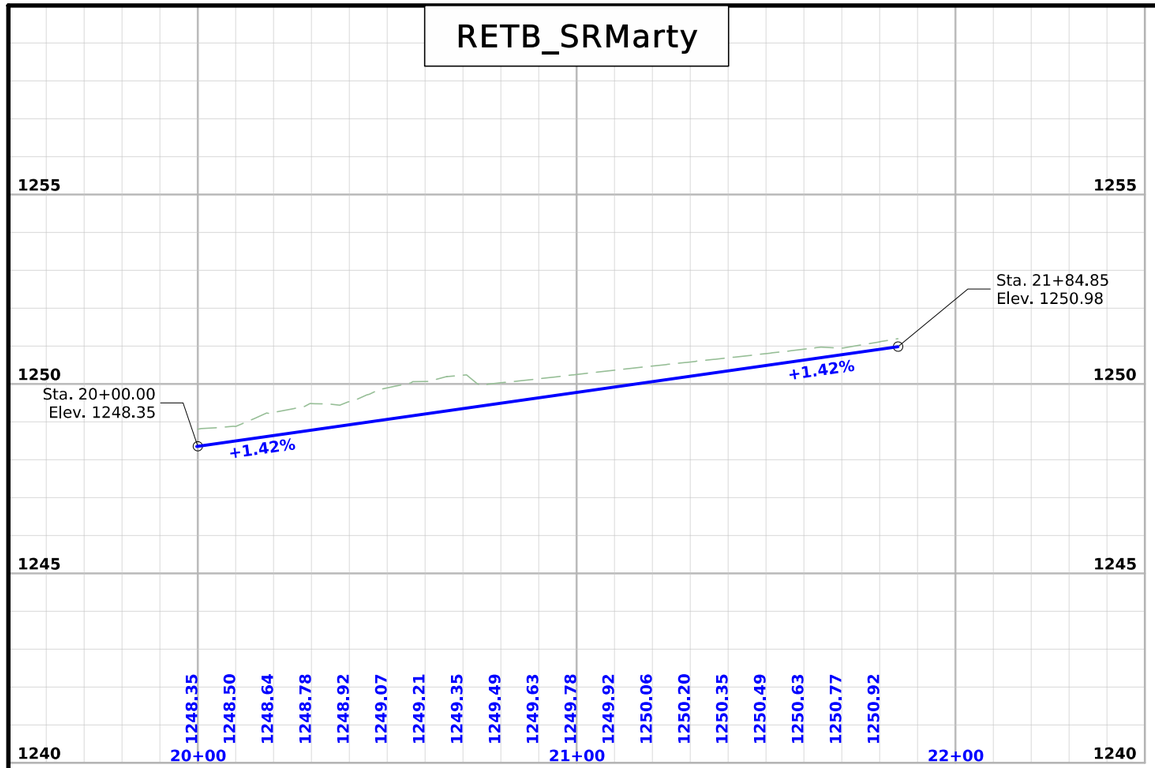
RETDRMP059E

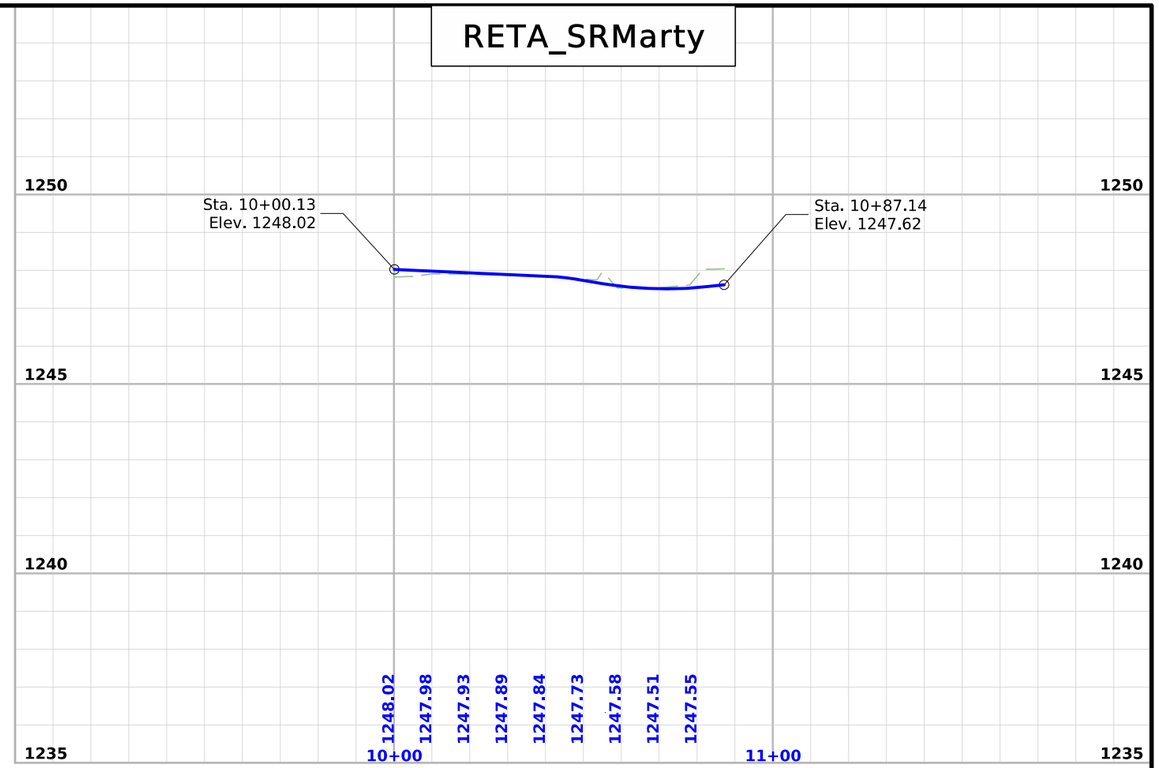


Edge Return Profiles US59 at Ramp C & E (Sheet 5 of 7)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER L.32

12:24:23 PM 9/17/2026 emcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\L28_78059056Z06.dgn



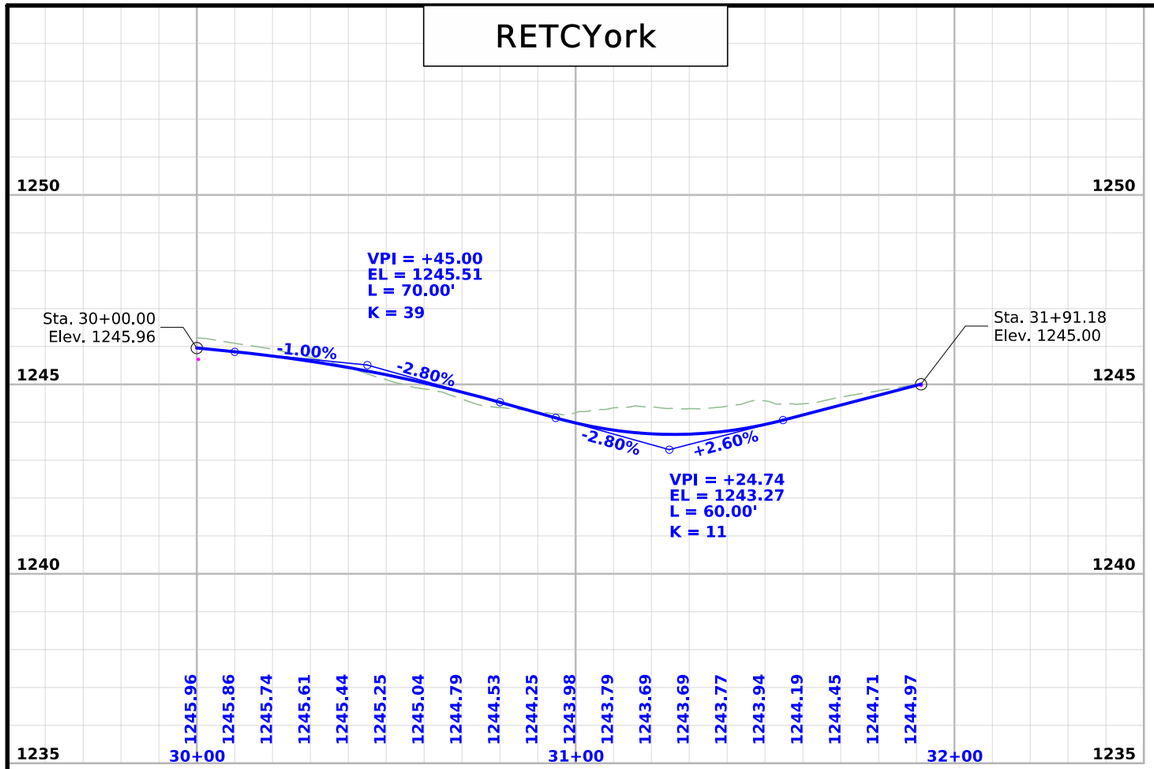


Edge Return Profiles
US59 at Marty
Intersection
(Sheet 6 of 7)

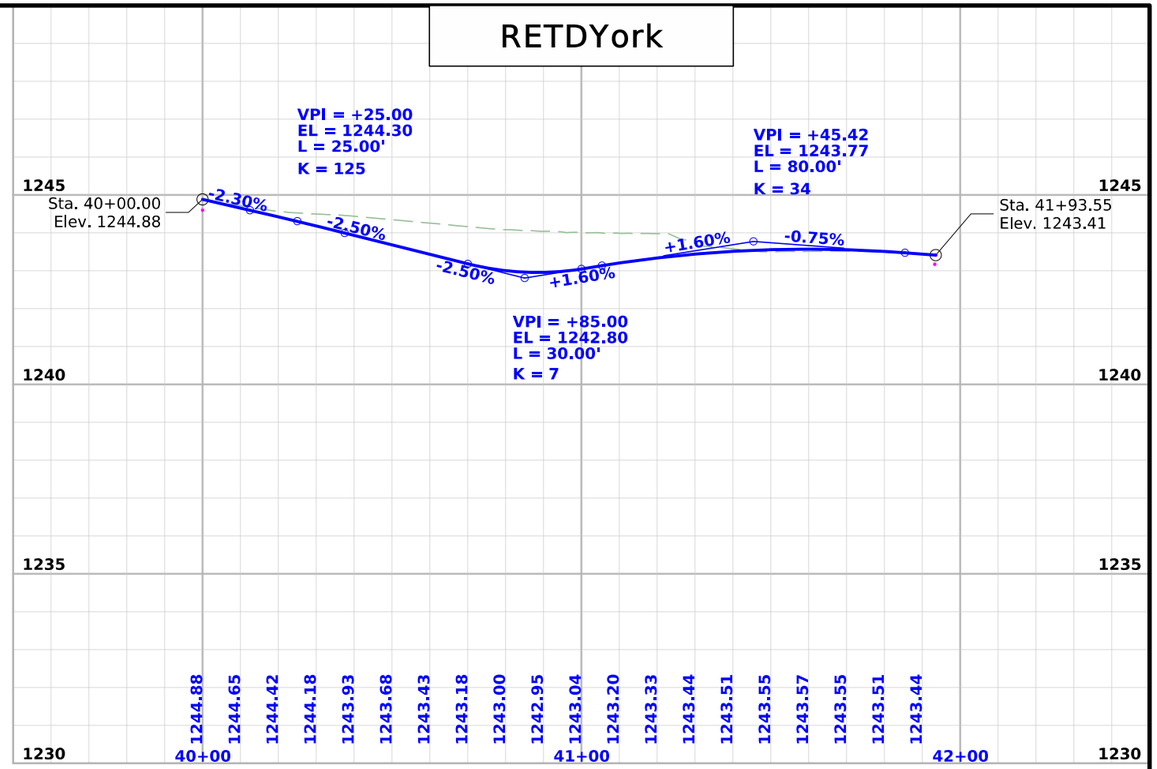
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER L.33	

12:24:26 PM 9/17/2026 emcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\L28_78059056Z06.dgn

RETCYork



RETDYork



Edge Return Profiles
US59 at York
Intersection
(Sheet 7 of 7)

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER L.34

12:24:26 PM 9/17/2026 emcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\L28_78059056Z06.dgn

TRAFFIC SIGNING DESIGN

LICENSED PROFESSIONAL ENGINEER
Jason J. Hermann
27680
IOWA

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

Jason Hermann 07-17-2026
Signature Date

Printed or Typed Name

My license renewal date is December 31, 2026

Pages or sheets covered by this seal: N.1-N.29

FILE NO.	ENGLISH	DESIGN TEAM Hermann/Kenton/Reed	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-09-3(056)--3H-78	SHEET NUMBER N.1	

10:56:03 AM 8/14/2026 skenton pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\TrafficAndSafety\TrafficEngineering\(56)_Signing Sheets\CADD Files\SHT_78059056_A1.dgn

ESTIMATED PROJECT QUANTITIES AND REFERENCE NOTES

Item no.	Item Code	Item	Unit	Quantities Estimated Traffic Sign Items	Estimate Reference Notes
1	2401-6745355	REMOVAL OF CONCRETE FOOTINGS OF HIGHWAY SIGNS	EACH	22	Refer to Tabulation 190-62 for locations and details. This item shall consist of removal of concrete footings for steel breakaway sign support posts. Concrete footings or parts of concrete footings removed shall become the property of the Contractor, and shall be removed in accordance with Article 1104.08. Unless otherwise provided or ordered, concrete footings for steel breakaway sign support posts shall be removed 1 foot below natural ground surface. Where portions of the existing concrete footings lie wholly or in part within limits for a new structure (culvert, concrete footing, or other), they shall be removed as necessary to accommodate construction of the proposed structure. Holes remaining from the removal of concrete footings for steel breakaway sign support posts shall be backfilled with suitable earth to the original level or to the natural ground surface in accordance with Article 2402.09. Measurement: The Engineer will count each concrete footing for steel breakaway sign support post removed. Payment: For each concrete footing for steel breakaway sign support post removed, the Contractor shall be paid the contract unit price. This payment shall be full compensation for furnishing all material, equipment, and labor and for the performance of all work necessary for removal of the concrete footings from the project and for any backfilling made necessary by these operations.
2	2524-6765010	REMOVE AND REINSTALL SIGN AS PER PLAN	EACH	4	Refer to Tabulations 190-50 and 190-62. The Contractor shall remove each sign and the hardware used to secure the sign to another sign, posts, or sign support structure. For signs mounted directly to posts, removal of the sign shall include removal of the posts. Posts may be either wood posts or steel breakaway sign posts. The removal of concrete footings for steel breakaway sign posts will be measured and paid for separately. Holes remaining from the removal of wood posts shall be backfilled with suitable earth to the original level or to the natural ground surface in accordance with Article 2402.09 of the Standard Specifications. All steel posts removed shall become the property of the Contractor. Unless otherwise noted, wood posts removed shall remain the property of DOT. The Contractor shall deliver the wood posts to a DOT storage area within 50 miles, as designated by the Engineer. **The existing sign shall be removed and stored. The Contractor shall remove the sign and transport it to a DOT storage area within 50 miles, as designated by the Engineer. The Contractor shall transport the sign back to the job site when ready for reinstallation. The Contractor shall furnish all necessary hardware to install the signs. When the new installation is similar to the original installation, unless otherwise noted, the existing hardware may be used to reinstall the sign. Signs damaged by the Contractor's activities shall be replaced at the Contractor's expense. Replacement materials shall be new. The DOT will furnish all details necessary for fabrication of the replacement materials. METHOD OF MEASUREMENT: The Engineer will count each sign removed and reinstalled. BASIS OF PAYMENT: For each sign removed and reinstalled, the Contractor shall be paid the contract unit price.

Item no.	Item Code	Item	Unit	Quantities	Estimate Reference Notes
				Estimated	
				Traffic Sign Items	
3	2524-6765210	REMOVAL OF TYPE A SIGN ASSEMBLY	EACH	90	Refer to Tabulation 190-62 for location and details. This item for the removal of Type A Sign Assemblies, including the sign panels, sign brackets, supporting structures and hardware. Contractor shall carefully dismantle each sign assembly. Sign posts, brackets and hardware shall become property of the Contractor. Sign panels shall become property of the DOT and shall be delivered to the nearest DOT maintenance facility. All holes resulting from removal of post shall be filled level with the adjacent grade with backfill material conforming to the Standard Specifications. Measurement: The Engineer will count the number of sign assemblies removed. Payment: The Contractor will be paid the contract unit price for each sign assembly removed.
4	2524-6765220	REMOVAL OF TYPE B SIGN ASSEMBLY	EACH	11	Refer to Tabulation 190-62 for location and details. This item for the removal of Type B Sign Assemblies, including the sign panels, sign brackets, supporting structures and hardware. Contractor shall carefully dismantle each sign assembly. Sign posts, brackets and hardware shall become property of the Contractor. All holes resulting from removal of posts shall be filled level with the adjacent grade with backfill material conforming to the Standard Specifications. Measurement: The Engineer will count the number of sign assemblies removed. Payment: The Contractor will be paid the contract unit price for each sign assembly removed.
5	2524-9081275	CONCRETE FOOTING FOR BREAKAWAY SIGN POST, 2'-8" DIA. X 7'-6"	EACH	4	Refer to Tabulation 190-50 for details.
6	2524-9210007	REFERENCE LOCATION SIGNS	EACH	4	Refer to Tabulation 190-25 for locations and details.
7	2524-9276010	PERFORATED SQUARE STEEL TUBE POSTS	LF	951	Refer to Tabulations 190-50 and 190-51 for locations and details.
8	2524-9276024	PERFORATED SQUARE STEEL TUBE POST ANCHOR, BREAK-AWAY CONCRETE INSTALLATION	EACH	5	
9	2524-9276027	PERFORATED SQUARE STEEL TUBE POST ANCHOR, TRIANGULAR SLIP BASE ASSEMBLY	EACH	64	
10	2524-9281210	STEEL BREAKAWAY SIGN POSTS FOR TYPE A OR B SIGNS, W 8 X 21	LF	75.9	Refer to Tabulation 190-50 for locations and details.
11	2524-9290009	SIGN MOUNTING BRACKETS, SPECIAL	EACH	8	Refer to Tabulation 190-51 for locations and details. Measurement: Each. Payment: The Contractor will be paid the contract unit price for each sign mounting bracket furnished and installed.
12	2524-9325001	TYPE A SIGNS, SHEET ALUMINUM	SF	607.4	Refer to Tabulation 190-51 and 190-66 for locations and details.
13	2524-9380001	TYPE B SIGNS, EXTRUDED ALUMINUM STRUCTURAL PANEL	SF	436.6	Refer to Tabulation 190-50 for locations and details.
14	2555-0000010	DELIVER AND STOCKPILE SALVAGED MATERIALS	LS	1	Refer to Tab. 110-13.

Item no.	Item Code	Item	Unit	Quantities Estimated Traffic Sign Items	Estimate Reference Notes
15	2599-9999005	('EACH' ITEM) MASSH-400 Sign Post	EACH	8	Item is for furnishing and installing MASSH-400 breakaway post system. Refer to sheet B.XX for installation details. Item includes: - (1) 13” slip base top kit - (1) 13” unibase 4”x48" (including concrete for complete 18"x48" footing) - (1) ¾” redi Torque kit - (7) universal post clamp (min. of 1 clamp per 10 sq. ft. of sign with a min. of at least 3 clamps) - (1) closure cap for 4” sq post - (1) sign post 4”x(varies)’ 8ga. - All hardware required to assemble the sign post system complete MASSH-400 posts shall be installed per the manufacturer's specifications. Measurement: The Engineer will count each MASSH-400 post furnished and installed. Payment: The Contractor shall be paid the contract until price for each MASSH-400 post furnished and installed complete.
16	2599-9999005	('EACH' ITEM) Remove and Reinstall Solar Powered Flashing Beacon	EACH	2	This work consists of removing an existing solar-powered flashing beacon assembly and reinstalling it at the location indicated in the plans or as directed by the Engineer. Work includes the beacon housing, pole-mounted solar panel, and all incidental components required for proper operation. Construction Requirements: 1. Remove the beacon, solar panel and associated mounting hardware. Refer to Tabulation 110-13 for information on transport and storage of salvaged items. 2. After completion of associated work, reinstall the beacon assembly at the specified location. 3. Ensure the beacon, solar panel and mounting brackets, are reinstalled in accordance with manufacturer recommendations and project plans. 4. Orient solar panel to achieve proper charging and verify operation of the flashing beacon upon completion. 5. Furnish any replacement bolts, fasteners, or miscellaneous hardware necessary to provide a complete and functional installation. Refer to manufacturer specifications. 6. All work shall be performed in accordance with the contract documents and as directed by the Engineer. 7. Any damage to existing components caused by the Contractor shall be repaired or replaced at the Contractor’s expense. Measurement: The removal and reinstallation of the solar-powered flashing beacon will be measured by count for each beacon assembly removed and reinstalled. Payment: The Contractor shall be paid the contract until price for each solar-powered flashing beacon removed and reinstalled complete. This payment shall be full compensation for labor, equipment, tools, hardware, and all incidental materials necessary to complete the work as described.

SIGNING NOTES

The following tolerances will be allowed on all signs:

Accumulation error of not greater than +/-0.50" per line of copy, not greater than +/-0.50" for spacing between lines of copy, and the margin between lines of copy and the inside edge of the sign border.

The following tolerances will be allowed on each letter or numeral:

nominal height	variation in height	variation in width
4" thru 12"	-1/8" to +3/8"	-1/4" to +1/4"
over 12"	-1/8" to +3/8"	-3/8" to +3/8"

Type B signs can be separated into two categories:
- Major Guide Signs.
- Minor Guide Signs.

Major Guide Signs include the advance and exit direction guide signs for an interchange or intersection.

Minor Guide Signs include all other guide signs such as NEXT EXIT signs, supplemental guide signs, logo signs, exit gore signs, post-interchange mileage signs, ramp destination signs, and ramp logo signs for an interchange, as well as destination signs along sideroads.

Type A signs are not separated into categories, but special consideration should be given to regulatory signs.

Do not remove Type B signs until replacement signs have been installed. If construction activities require the removal of a sign, the existing sign may be relocated to temporary posts, or a temporary plywood sign may be installed to replace the existing sign.

Existing non-regulatory Type A signs are NOT required to remain in place until installation of replacement signs. Existing regulatory Type A signs, particularly Stop signs, should not be removed until replacement signs are installed. Where a staged traffic control plan is contrary to this guidance, follow the direction of the traffic control plan.

Apply the following during the replacement or modification of signs:
- No more than one of the major guide signs for each direction of travel at an interchange out of service at any one time.
- No major guide sign out of service for more than 8 hours.
- No minor guide out of service for more than 24 hours.

Remove existing signs and posts within 24 hours following the installation of a new replacement sign.

In any case where the plans call for a new sign and posts to be installed at the same station location and offset as an existing sign, install the new posts at a minimum of either 5 ft ahead or behind the existing sign installation. Signs shall not be installed more than 25 ft ahead or behind the existing sign installation. Whenever posts for a replacement sign are erected directly in front of an existing sign, install the new replacement sign and remove the existing sign installation within 24 hours of the time that the new posts are erected.

Where signs are located behind guardrail, locate the near edge of the sign a minimum of 3 ft behind the guardrail posts.

259_01
10/15/25

SIGNING NOTES

Unless noted otherwise, leave auxiliary panels, such as exit number panels, in place or reattach to the sign using the existing mounting hardware. Also, when replacing an existing logo sign with a new logo sign, remove the business logo panel(s) from the existing sign and attach to the new sign as directed by the Engineer. Do not damage the auxiliary or logo panels when removing and reattaching them. This work is incidental to other work and no separate payment will be made.

The following notes apply to the corresponding sign installations shown on the plan sheets and listed in the tabulations.

IB INSTALL NEW TYPE B SIGN
IA INSTALL NEW TYPE A SIGN

Install new signs at the location identified in the plans.

For installation of new signs on an existing sign support structure, refer to note (L).

For installation of new signs on existing posts:

- if the new sign is taller than the existing sign, furnish the necessary hardware to extend the sign above the posts. Refer to Standard Road Plan SI-132.

- if the new sign is shorter than the existing sign:

- for wood posts and perforated square tube posts, install the sign at the proper height and cut off the excess post length.

- for MASSH-400 and steel breakaway posts, install the sign at the top of the posts.

For plywood signs, no vertical splices are allowed in signs less than or equal to 10 ft wide. No horizontal splices are allowed in signs less than or equal to 4 ft tall.

Each new sign installed shall have a sticker applied to the back of the sign that shows the date the sign was installed. The Contractor shall supply the sticker for all contractor suppled signs. The DOT will supply date stickers on any signs supplied by the department.

Payment for installing Type A signs or Type B signs includes furnishing hardware for mounting, extending signs above existing posts, and cutting posts to length.

MS MODIFICATION OF EXISTING SIGNS

For removal and/or installation of logo panels, and other sign modifications. Refer to the project plans and typical details for additional information.

SC SIGN COVER

For the installation or removal of temporary sign covers for the purposes of temporary traffic control. Sign covers shall completely cover the existing Sign. Care should be taken so that covers, fasteners, and installation practices do not damage the existing sign. Tape of any type shall not be applied to the sheeted face of the existing sign under any circumstances. Repair of damage to the existing sign caused by sign covers will be the responsibility of the Contractor.

SO OVERLAY TYPE B GUIDE SIGNS
MB INSTALL SPECIAL MOUNTING BRACKET

Install special mounting brackets at the locations identified in the plans. Refer to Tabulations 190-51 and/or 190-65.

259_01
10/15/25

SIGNING NOTES

PB INSTALL NEW BREAKAWAY STEEL POSTS AND FOOTING
PP INSTALL NEW PERFORATED SQUARE TUBE POSTS AND ANCHORS
PM INSTALL NEW MASSH-400 POSTS AND ANCHORS

Install new breakaway steel posts and footings, perforated square tube posts and anchors, or MASSH-400 posts and anchors at the locations identified in the plans. Refer to the Standard Road Plans, Typicals, and Tabulations 190-51 and 190-50 for post size and footing information.

New posts shall be installed in undisturbed soil. The new posts shall not be placed in the hole of removed posts.

Remove excess soil from footing hole. Do not spread soil on adjacent seeded or vegetated areas.

If note (RR) accompanies (PB), (PP), or (PM), install an existing sign on the new posts.

RR REMOVE AND REINSTALL SIGN AS PER PLAN

Do not remove existing major Type B guide signs on posts until the new posts are installed. Promptly remove sign and install at the new location.

Existing major Type B guide signs on overhead support structures, minor Type B guide signs, plywood signs, and Type A signs may be removed and stored. Transport the signs to a DOT storage area as designated by the Engineer. Transport the signs back to the job site when ready for installation at the new location.

Signs to be reinstalled shall not be stored for any length of time with the sheeted face in contact with the ground.

Replace signs damaged by the Contractor's activities at no additional cost to the Contracting Authority.

Payment for Remove and Reinstall Sign includes sign removal, delivery to and from the DOT storage area (if applicable), and reinstallation, including any hardware required for reinstallation. When noted in the plans, payment for delivery and stockpile of existing signs will be separate from the payment for Remove and Reinstall Sign.

RA REMOVAL OF TYPE A SIGN ASSEMBLY
RB REMOVAL OF TYPE B SIGN ASSEMBLY

Type A Sign Assembly consists of one or more signs installed on one or more posts, either directly mounted to the post or mounted to the post with special sign mounting brackets.

Type B Sign Assembly consists of the main sign, all auxiliary signs and brackets, and posts.

Unless stated otherwise in the plans, remove all posts with the signs and brackets.

Remove each sign assembly identified in the plans. Sign posts removed become the property of the Contractor. All other materials removed remain the property of the DOT.

For each sign assembly removed, disassemble each assembly before delivering to the DOT.

* For Type A sign assemblies, unbolt all signs, special mounting brackets, and posts from each other.

* For Type B assemblies, unbolt all extruded aluminum panels, brackets, and posts from each other. Do not damage the disassembled materials.

When the plans call for the removal of posts, the entire existing post shall be removed. The post shall not be broken off or cut off at the ground line. Place backfill in holes remaining from the removal of posts and restore to the surrounding conditions.

Deliver the removed signs, special sign mounting brackets, and extruded aluminum panels to a DOT storage area, as designated by the Engineer.

The concrete footings for steel posts are not considered part of the sign assembly. Refer to note RF for concrete footing removal.

Payment for Removal of Type A Sign Assembly or Removal of Type B Sign Assembly includes sign assembly removal and disassembly, post removal (if applicable), delivery to the DOT storage area, placing backfill in holes, and restoration of the surrounding conditions.

RF REMOVE EXISTING CONCRETE FOOTING FOR STEEL POST

Remove existing concrete footings to a depth of at least 1 ft below the natural groundline. Place backfill in holes remaining from removal and restore to the normal surrounding conditions. This work is incidental to other work and no separate payment will be made.

RS REMOVE EXISTING TYPE B SIGN SUPPORT STRUCTURE

The following are considered Type B Sign Support Structures:
- Overhead sign trusses and foundations
- Cantilever sign trusses and foundations
- Bridge-mounted brackets

Unless stated otherwise in the plans, existing overhead trusses, cantilever trusses, and bridge brackets which are removed become the property of the Contractor. If stated in the plans, deliver overhead trusses, cantilever trusses, and bridge brackets to a DOT storage area, as designated by the Engineer.

Payment for Removal of Sign Support Structure and Foundation includes sign support structure removal, delivery to the DOT storage area (if applicable), and restoration of the surrounding conditions. Removal of the foundation includes removal of the stem to a minimum of 1 ft below the natural groundline.

L MODIFY SIGN SUPPORT ANGLES NEEDED TO INSTALL SIGNS ON EXISTING SIGN SUPPORT STRUCTURES

Refer to the sign support structure details for information on the required angle brackets.

Provided all specifications are met, the existing sign support angles may be reused. Install existing sign support angles to be reused only on the sign support structure from which they were removed.

Sign support angles removed and not reused become the property of the Contractor.

259_01
10/15/25

SIGNING NOTES

When reusing the existing sign support angles with a shorter replacement sign, the sign support angles may need to be trimmed. Refer to the sign support details to determine if and where to trim the sign support angles.

Do not use existing fasteners. Use new U-Bolts, stainless steel bolts and nuts to install the existing or new sign support angles to the sign support structure.

Removal of existing sign support angles is incidental to removal of the sign.

Reinstalling and/or modifying existing sign support angles; furnishing and installing new sign support angles (if required); and furnishing and installing new fasteners is incidental to work associated with Type B signs.

SIGN INSTALLATION QUALITY CONTROL NOTES

Post lengths have been derived from the proposed grading cross sections. Verify post lengths in the field prior to ordering or fabrication.

Slight differences between the design template and the actual conditions should be expected. These variations should be resolved by doing some localized shaping and grading. Obtain material needed to meet the site requirements of SI-112 from the excavation and/or the area immediately adjacent to the work. Ensure reshaping work does not substantially change foreslopes or the drainage in the vicinity of the sign.

Significant differences between the plan design and the actual field conditions shall be resolved in this manner:

Survey the location and draw the actual template on the cross section. Recalculate each post length and compare to the maximum allowable leg length. If all of the maximum leg lengths are less than or equal to the maximum allowable leg length, then the proposed post design will be sufficient. If any leg is greater than the maximum allowable leg length, then submit the cross section with the actual template drawn (including offsets and elevation from the survey shown) to the Engineer. The Engineer may forward this information to the Engineer of Record in order to complete a new post design.

Install the footings, stub posts, and posts according to the tolerances shown on the applicable SI Series Standard Road Plans.

Footing construction is the controlling activity that substantially affects the quality of the site installation. Verify the elevation difference between the stubs is exactly the same as the elevation difference between the post lengths. If the Engineer requests, submit documentation detailing the site cross section in order to verify site installation.

105_04
10/20/26

STANDARDS

The following Standards apply to construction work on this project.

Number	Date	Title
SI-101	04-19-16	Locations - Type 'A' Signs
SI-102	04-19-16	Locations - Type 'B' Signs
SI-112	04-19-16	Footings For Steel Breakaway Posts
SI-113	10-15-19	Support Structures - Steel Breakaway Posts
SI-119	10-17-17	Support Structures - Mounting Brackets
SI-121	10-16-18	Fabrication - Sign Legend Components
SI-123	10-20-20	Fabrication - Type 'B' Signs
SI-131	10-18-16	Installation - Type 'A' Signs
SI-132	04-17-18	Installation - Type 'B' Signs
SI-133	10-17-17	Installation - Type 'A' Sign Shim
SI-171	04-18-17	Reference Location Sign Posts

190_25
2/10/23

REFERENCE LOCATION SIGNS AND DELINEATORS

Refer to SI-171, SI-172 and SI-173.

Line No.	Station From	Station To	Location	Reference Location Sign Type	Quantity (EA)	Enhanced Reference Location Sign Type	Quantity (EA)	Intermediate Reference Location Sign Type	Quantity (EA)	Type I Delineator White (EA)	Type I Delineator Yellow (EA)	Type IA Delineator White (EA)	Type IA Delineator Yellow (EA)	Type II Delineator White (EA)	Type II Delineator Yellow (EA)	Type III Delineator White (EA)	Type III Delineator Yellow (EA)	Object Marker Type 1 (EA)	Object Marker Type 2 (EA)	Object Marker Type 3 (EA)	Installation Type	Installation Offset
1.0	487+05.00	487+05.00	Milepoint 65	D10-2	2																1	8.0
2.0	539+78.00	539+88.00	Milepoint 66	D10-2	2																1	8.0
					4																	

190_50
3/24/25

MATERIALS FOR TYPE 'B' SIGNS

Line No.	Number	Route	County	Exit Number	Road ID	Seq. No.	Dir of Travel	Sign Location Station	Fab Info	Sign Width (FT)	Sign Height (FT)	New Area (SF)	4x6 L (FT)	4x6 M (FT)	4x6 R (FT)	Perf. Sq. Steel L (FT)	Perf. Sq. Steel M (FT)	Perf. Sq. Steel R (FT)	Perf. Sq. Anchor Type	Anchor Quantity (EA)	W8x21 L (FT)	W8x21 M (FT)	W8x21 R (FT)	Footing 2'8"x7'6" (EA)	W12x26 L (FT)	W12x26 M1 (FT)	W12x26 M2 (FT)	W12x26 R (FT)	Footing 2'8"x9' (EA)	Install Type	Install Dim 'X'	Install Dim 'Y'	See Signing Notes	Remarks
1.0		59	78	65	M	001	NB	47700.00	NEW	5.5	2.0	11.0				14.5	15.5		Slip	2										1	24.0	7.0	IB, PP	
2.0		80	78	40	S	002	NB	50100.00	NEW	7.5	5.5	41.3																		1	24.0	7.0	IB	MASSH-400
3.0		80	78	40	S	003	NB	50400.00	NEW	6.0	5.5	33.0																		1	24.0	7.0	IB	MASSH-400
4.0		80	78	40	S	004	NB	50700.00	NEW	8.5	8.0	68.0									18.9		19.3	2						1	24.0	7.0	IB, PP	
5.0		80	78	40	S	005	NB	51100.00	NEW	7.5	5.0	37.5																		1	24.0	7.0	IB	MASSH-400
6.0		80	78	40	S	106	SB	51100.00	NEW	8.0	4.0	32.0																		1	24.0	7.0	IB	MASSH-400
7.0		80	78	40	S	006	NB	51550.00	NEW	7.5	5.0	37.5																		1	24.0	7.0	IB	MASSH-400
8.0		80	78	40	S	105	SB	51600.00	NEW	6.0	5.0	30.0																		1	24.0	7.0	IB	MASSH-400
9.0		80	78	40	S	104	NB	51900.00	NEW	9.0	8.0	72.0									19.0		18.7	2						1	24.0	7.0	IB, PP	
10.0		80	78	40	S	103	SB	52200.00	NEW	7.5	5.5	41.3																		1	24.0	7.0	IB	MASSH-400
11.0		80	78	40	S	102	SB	52700.00	NEW	6.0	5.5	33.0																		1	24.0	7.0	IB	MASSH-400
												436.6				14.5	15.5	0		2	37.9	0	38.0	4	0	0	0	0	0				

MATERIALS FOR TYPE 'A' SIGNS

Refer to SI-101, SI-111, SI-119 and N Sheets.

Type A Signing Typicals	Sign Number	Dir. of Travel	Sign Location Station	Wood Posts (No.)	4 x 6 Leg 1 (FT)	4 x 6 Leg 2 (FT)	Perf. Sq. Steel Leg 1 (FT)	Perf. Sq. Steel Leg 2 (FT)	Perf. Sq. Steel Leg 3 (FT)	Perf. Sq. Anchor Type	Anchor Quantity (EA)	Steel Rect. Tube (No)	Steel Rect. Tube (FT)	Steel Rect. Tube Anchors (EA)	Type A Bracket One Post	Type A Bracket Two Post	Type A Bracket Auxiliary	Type A Bracket (H)	Type A Bracket (F)	Type A Bracket (F1)	Install. Type	Install. Dim X (FT)	Install. Signing Notes	Remarks
	W1-4		473+00.00				15.5			Slip	1										1	24.0	IA,PP	
	W13-1P																							
	W14-3	SB	473+00.00				13.0			Slip	1										1	24.0	IA,PP	
	R2-1	SB	474+00.00				13.5			Slip	1										1	24.0	IA,PP	
	R2-1	NB	474+50.00				13.5			Slip	1										1	24.0	IA,PP	
	Corporate Limit Sign	SB	475+00.00				12.5			Slip	1										1	24.0	IA,PP	
	W6-3	SB	488+00.00				15.5			Slip	1										1	24.0	IA, PP	
	W16-9P																							
	W4-2	SB	495+00.00				15.5			Slip	1										1	24.0	IA,PP	
	W4-2	SB	495+00.00				1.5			Concrete	1										1	24.0	IA,PP	
	R2-1	SB	496+00.00				14.0			Slip	1										1	24.0	IA,PP	
	R2-1	NB	496+00.00				14.0			Slip	1										1	24.0	IA,PP	
	W9-1	SB	498+00.00				15.5			Slip	1										1	24.0	IA,PP	
	W16-2P																							
	W9-1	SB	498+00.00				11.5			Concrete	1										1	24.0	IA,PP	
	W16-2P																							
	80-78-40 S001	NB	498+00.00				15.0	15.5		Slip	2										1	24.0	IA, PP	
	W2-1	NB	505+50.00				16.5			Slip	1										1	24.0	IA,PP	Beacon
	M3-3	SB	508+00.00				14.0			Slip	1										1	24.0	IA,PP	
	M1-4	SB	508+00.00							Slip	1										1	24.0	IA,PP	
	R4-7b	NB	510+60.00				11.0			Slip	1										3		IA, PP	
	R5-1	SB	510+60.00				14.0	13.5		Slip	2										1		IA, PP	
	R5-1	SB	510+60.00				11.0	11.0		Slip	2										3		IA, PP	
	R4-7b	SB	516+60.00				11.0			Slip	1										3		IA, PP	
	R5-1	NB	516+60.00				14.0	13.5		Slip	2										1		IA, PP	
	R5-1	NB	516+60.00				11.0	11.0		Slip	2										3		IA, PP	

MATERIALS FOR TYPE 'A' SIGNS

Refer to SI-101, SI-111, SI-119 and N Sheets.

Type A Signing Typicals	Sign Number	Dir. of Travel	Sign Location Station	Wood Posts (No.)	4 x 6 Leg 1 (FT)	4 x 6 Leg 2 (FT)	Perf. Sq. Steel Leg 1 (FT)	Perf. Sq. Steel Leg 2 (FT)	Perf. Sq. Steel Leg 3 (FT)	Perf. Sq. Anchor Type	Anchor Quantity (EA)	Steel Rect. Tube (No)	Steel Rect. Tube (FT)	Steel Rect. Tube Anchors (EA)	Type A Bracket One Post	Type A Bracket Two Post	Type A Bracket Auxiliary	Type A Bracket (H)	Type A Bracket (F)	Type A Bracket (F1)	Install. Type	Install. Dim X (FT)	Install. Signing Notes	Remarks
	M3-1	NB	520+00.00				14.0			Slip	1										1	24.0	IA,PP	
	M1-4	NB	520+00.00																					
	W9-1	NB	523+00.00				15.5			Slip	1										1	24.0	IA,PP	
	W16-2P																							
	W9-1	NB	523+00.00				11.5			Concrete	1										1	24.0	IA,PP	
	W16-2P																							
	R2-1	SB	523+25.00				14.0			Slip	1										1	24.0	IA,PP	
	R3-1b	NB	523+50.00				12.5			Slip	1										1	24.0	IA, PP	
	W4-2	NB	527+00.00				15.5			Slip	1										1	24.0	IA,PP	
	W4-2	NB	527+00.00				11.5			Concrete	1										1	24.0	IA,PP	
	80-78-40 S101	SB	530+50.00				15.5	15.0		Slip	2										1	24.0	IA,PP	
	80-78-40 S101	SB	530+50.00				15.5	15.0		Slip	2										1	24.0	IA,PP	
	W6-3	NB	533+00.00				15.5			Slip	1										1	24.0	IA, PP	
	W16-9P																							
	W2-1	SB	536+00.00				16.5			Slip	1										1	24.0	IA,PP	Beacon
	R2-1	SB	540+00.00				14.0			Slip	1										1	24.0	IA,PP	
	R2-1	NB	540+00.00				14.0			Slip	1										1	24.0	IA,PP	
	Shelby County	NB	543+00.00				13.0			Slip	1										1	24.0	IA,PP	
	Pott'mie Co	SB	543+00.00				13.0	13.5		Slip	2										1	24.0	IA,PP	
Pershing St																								
	R1-1	WB					11.5			Slip	1										1	12.0	IA,PP	
Wood St																								
	R1-1	EB					11.5			Slip	1										1	12.0	IA,PP	
	R1-1	WB					11.5			Slip	1										1	12.0	IA,PP	
Cemetery South																								
	R1-1	EB					11.5			Slip	1										1	12.0	IA,PP	
Cemetery North																								
	R1-1	EB					11.5			Slip	1										1	12.0	IA,PP	

MATERIALS FOR TYPE 'A' SIGNS

Refer to SI-101, SI-111, SI-119 and N Sheets.

Type A Signing Typicals	Sign Number	Dir. of Travel	Sign Location Station	Wood Posts (No.)	4 x 6 Leg 1 (FT)	4 x 6 Leg 2 (FT)	Perf. Sq. Steel Leg 1 (FT)	Perf. Sq. Steel Leg 2 (FT)	Perf. Sq. Steel Leg 3 (FT)	Perf. Sq. Anchor Type	Anchor Quantity (EA)	Steel Rect. Tube (No)	Steel Rect. Tube (FT)	Steel Rect. Tube Anchors (EA)	Type A Bracket One Post	Type A Bracket Two Post	Type A Bracket Auxiliary	Type A Bracket (H)	Type A Bracket (F)	Type A Bracket (F1)	Install. Type	Install. Dim X (FT)	Install. Signing Notes	Remarks
LaVista Rd																								
	R1-1	WB					11.5			Slip	1										1	12.0	IA,PP	
Ramp B																								
	R6-1L						14.0	14.0		Slip	2										1	12.0	IA, PP	
	R6-1R																							
	R1-1																							
	R6-1L						14.0	14.0		Slip	2										1	12.0	IA, PP	
	R6-1R																							
	R1-1																							
	R5-1						14.0	14.0		Slip	2										1		IA, PP	
	R5-1aMOD																							
	R5-1						14.0	14.0		Slip											1		IA, PP	
	R5-1aMOD																							
Ramp E																								
	R6-1L						14.0	14.0		Slip	2										1	12.0	IA, PP	
	R6-1R																							
	R1-1																							
	R6-1L						14.0	14.0		Slip	2										1	12.0	IA, PP	
	R6-1R																							
	R1-1																							
	R5-1						14.0	14.0		Slip	2										1		IA, PP	
	R5-1aMOD																							
	R5-1						14.0	14.0		Slip											1		IA, PP	
	R5-1aMOD																							
Marty Dr																								
	R1-1	EB					11.5			Slip	1										1	12.0	IA,PP	
	R1-1	WB					11.5			Slip	1										1	12.0	IA,PP	
York Dr																								
	R1-1	WB					11.5			Slip	1										1	12.0	IA,PP	
	R1-1	WB					9.5			Concrete	1										3		IA, PP	
Total							694.0	205.0			65						0		0	0				

190_66
9/29/23

SUMMARY OF TYPE 'A' SIGNS

Line No.	Sign Number	Non-Standard Sign Number or Name	Quantity (EA)	Size (IN)	Total Sign Area (SF)	Remarks
1.0	M1-4		2	24 X 24	8.0	
2.0	M3-1		1	24 X 12	2.0	
3.0	M3-3		1	24 X 12	2.0	
4.0	R1-1		10	30 X 30	18.8	
5.0	R1-1		4	30 X 30	25.2	
6.0		R2-1(35)	1	24 X 30	3.0	
7.0		R2-1(45)	1	24 X 30	3.0	
8.0		R2-1(45)	1	30 X 36	7.5	
9.0		R2-1(50)	3	30 X 36	22.5	
10.0		R2-1(60)	1	30 X 36	7.5	
11.0		R3-1b	1	24 X 36	6.0	
12.0		R4-7b	2	36 X 48	24.0	
13.0		R5-1	8	48 X 48	128.0	
14.0		R5-1aMOD	4	48 X 36	48.0	
15.0		R6-1L	4	54 X 18	27.0	
16.0		R6-1R	4	54 X 18	27.0	
17.0	W1-4		1	30 X 30	6.3	
18.0	W2-1		2	30 X 30	12.6	
19.0	W4-2		4	36 X 36	36.0	
20.0	W9-1		4	30 X 30	25.2	
21.0	W13-1P		1	24 X 24	4.0	
22.0	W14-3		1	48 X 60 X 60	20.0	
23.0		W16-2P	4	24 X 18	12.0	
24.0		W16-9P	2	24 X 12	4.0	
25.0	W2-1		2	30 X 30	12.6	
26.0	W4-2		4	36 X 36	36.0	
27.0	W9-1		4	30 X 30	25.2	
28.0		80-78-40 S001	1	48 X 48	16.0	
29.0		80-78-40 S101	1	48 X 48	16.0	
30.0		Corporate Limit Sign	1	36 X 16	4.0	Avoca
31.0		County Line	1	42 X 24	7.0	Shelby
32.0		County Line	1	66 X 24	11.0	Pottawattamie
Total					607.4	

190_61
2/10/23

EXISTING SIGNS TO BE REINSTALLED

Line No.	Sign Description	Direction of Travel	Location Station	Number of Posts	Square Tube Steel Posts	Wood Posts 4"x4" (LF)	Wood Posts 4"x6" (LF)	Installation Type	Installation Dim 'X'	See Signing Notes
1.0	HOME BASE IOWA	SB	475+00.00							RR
2.0										
3.0	INCIDENT BYPASS/I-80 GUIDE	NB	502+50.00	1	11			1	24.0	RR, PP
4.0										
5.0	ENGINE BRAKE ORDINANCE	SB	505+00.00	1	11			1	24.0	RR, PP
6.0										
7.0	HOME BASE IOWA	NB	543+37.00							RR
Total					22					

- Line 1 - Install with 'Avoca' Corporate Limit sign
- Line 7 - Install with 'Shelby County Sign
- Install one (1) Slip Base PSST Anchor for each post.
- Installation Dimension 'Y' = 5' for all signs

8/17/2026 2:00:14 PM steve.kenton@dot.iowa.gov

EXISTING SIGNS TO BE REMOVED

Line No.	Sign Number or Description	Location Station	Direction of Travel	Type 'A' Sign Assembly (RA) (EA)	Type 'B' Sign Assembly (RB) (EA)	Type 'A' Remove and Reinstall (RR) (EA)	Type 'B' Remove and Reinstall (RR) (EA)	Concrete Foundation (RF) (EA)	Support Structure & Foundation (RS) (EA)	Applicable Signing Notes	Remarks
1.0	BEGIN DIVIDED HWY	469+80.00	NB	1						RA	
2.0	STOP	472+27.00	WB	1						RA	
3.0	NO PASSING ZONE	472+58.00	SB	1						RA	
4.0	REVERSE CURVE/25 MPH	473+03.00	SB	1						RA	
5.0	SPEED LIMIT 45	474+04.00	NB	1						RA	
6.0	AVOCA/SPEED LIMIT 35	474+04.00	SB	1						RA	
7.0	STOP	476+16.00	EB	1						RA	
8.0	STOP	476+41.00	WB	1						RA	
9.0	DESTINATION GUIDE	476+85.00	NB		1			2		RB, RF	
10.0	KEEP RIGHT/DIVIDED HWY	477+68.00	SB	1						RA	
11.0	TWO-WAY TRAFFIC	478+25.00	SB	1						RA	
12.0	DIVIDED HWY ENDS	486+77.00	SB	1						RA	
13.0	DIVIDED HWY ENDS	486+78.00	SB	1						RA	
14.0	LANE ENDS	489+40.00	SB	1						RA	
15.0	LANE ENDS	489+43.00	SB	1						RA	
16.0	LEFT LANE ENDS	493+16.00	SB	1						RA	
17.0	LEFT LANE ENDS	493+17.00	SB	1						RA	
18.0	YIELD	493+31.00	EB	1						RA	
19.0	STOP	493+42.00	EB	1						RA	
20.0	YIELD/ONE WAY	493+79.00	EB	1						RA	
21.0	SPEED LIMIT 45	495+43.00	SB	1						RA	
22.0	SPEED LIMIT 50	495+44.00	NB	1						RA	
23.0	I-80 JCT	497+80.00	NB	1						RA	
24.0	HOME BASE IA COMMUNITY	499+58.00	SB			1				RR	
25.0	DO NOT ENTER	500+43.00	SB	1						RA	
26.0	DO NOT ENTER	500+47.00	SB	1						RA	
27.0	ONE WAY	501+40.00	EB	1						RA	
28.0	YIELD/ONE WAY	501+42.00	WB	1						RA	
29.0	STOP SIGN ASSEMBLY	501+54.00	EB	1						RA	
30.0	ONE WAY	501+86.00	SB	1						RA	
31.0	STOP SIGN ASSEMBLY	501+97.00	WB	1						RA	
32.0	YIELD/ONE WAY	501+98.00	EB	1						RA	
33.0	COUNCIL BLUFFS I-80 WEST	502+40.00	NB		1			2		RB, RF	
34.0	DO NOT ENTER	502+81.00	NB	1						RA	
35.0	DO NOT ENTER	502+87.00	NB	1						RA	
36.0	ENGINE BRAKE ORNINANCE	502+81.00	SB			1				RR	
37.0	DES MOINES I-80 EAST	504+02.00	NB		1			2		RB, RF	
38.0	INCIDENT BYPASS/I-80 GUIDE	505+10.00	NB			1				RR	
39.0	FOUR WAY INTERSECTION	505+47.00	NB	1						RA	
40.0	GREEN I-80 GUIDE	507+01.00	NB		1			2		RB, RF	
41.0	US HWY 59 SOUTH	507+57.00	SB	1						RA	
42.0	YIELD	508+66.00	EB	1						RA	
43.0	STOP SIGN ASSEMBLY	509+28.00	SB	1						RA	
44.0	YIELD	509+69.00	EB	1						RA	
45.0	STOP SIGN ASSEMBLY	509+91.00	EB	1						RA	
46.0	KEEP RIGHT	510+18.00	NB	1						RA	
47.0	DO NOT ENTER	510+56.00	NB	1						RA	
48.0	DO NOT ENTER	510+58.00	NB	1						RA	

EXISTING SIGNS TO BE REMOVED

Line No.	Sign Number or Description	Location Station	Direction of Travel	Type 'A' Sign Assembly (RA) (EA)	Type 'B' Sign Assembly (RB) (EA)	Type 'A' Remove and Reinstall (RR) (EA)	Type 'B' Remove and Reinstall (RR) (EA)	Concrete Foundation (RF) (EA)	Support Structure & Foundation (RS) (EA)	Applicable Signing Notes	Remarks
49.0	COUNCIL BLUFFS I-80 WEST	511+07.00	NB		1			2		RB, RF	
50.0	SPEED LIMIT 50	511+19.00	NB	1						RA	
51.0	DES MOINES I-80 EAST	511+28.00	SB		1			2		RB, RF	
52.0	WRONG WAY	511+34.00	SB	1						RA	
53.0	COUNCIL BLUFFS I-80 WEST	515+45.00	NB		1			2		RB, RF	
54.0	WRONG WAY	515+73.00	NB	1						RA	
55.0	DES MOINES I-80 EAST	516+00.00	SB		1			2		RB, RF	
56.0	DO NOT ENTER	516+18.00	SB	1						RA	
57.0	DO NOT ENTER	516+19.00	SB	1						RA	
58.0	YIELD	517+38.00	WB	1						RA	
59.0	KEEP RIGHT	517+81.00	WB	1						RA	
60.0	STOP SIGN ASSEMBLY	518+01.00	WB	1						RA	
61.0	YIELD	518+37.00	WB	1						RA	
62.0	STOP SIGN ASSEMBLY	518+78.00	NB	1						RA	
63.0	GREEN I-80 GUIDE	519+18.00	SB		1			2		RB, RF	
64.0	US HWY 59/I-80 ASSEMBLY	520+66.00	NB	1						RA	
65.0	COUNCIL BLUFFS I-80 WEST	521+83.00	SB		1			2		RB, RF	
66.0	SPEED LIMIT 50	523+29.00	SB	1						RA	
67.0	DO NOT ENTER	523+38.00	SB	1						RA	
68.0	TRUCKS NO RIGHT ASSEMBLY	523+42.00	NB	1						RA	
69.0	YIELD/ONE WAY	524+00.00	EB	1						RA	
70.0	STOP	524+12.00	EB	1						RA	
71.0	STOP/ONE WAY	524+99.00	NB	1						RA	
72.0	YIELD/ONE WAY	525+23.00	WB	1						RA	
73.0	DO NOT ENTER	525+88.00	NB	1						RA	
74.0	DO NOT ENTER	525+94.00	NB	1						RA	
75.0	DES MOINES I-80 EAST	526+86.00	SB		1			2		RB, RF	
76.0	DO NOT ENTER/TRUCKS NO RIGHT	527+90.00	SB	1						RA	
77.0	DO NOT ENTER	527+91.00	SB	1						RA	
78.0	WARNING ADDED LANE	528+76.00	SB	1						RA	
79.0	WARNING ADDED LANE	528+79.00	SB	1						RA	
80.0	ONE WAY	528+87.00	NB	1						RA	
81.0	YIELD/ONE WAY	529+01.00	NB	1						RA	
82.0	STOP SIGN ASSEMBLY	529+66.00	EB	1						RA	
83.0	STOP SIGN ASSEMBLY	530+04.00	NB	1						RA	
84.0	STOP	530+51.00	NB	1						RA	
85.0	YIELD/ONE WAY	530+66.00	NB	1						RA	
86.0	DO NOT ENTER	531+13.00	SB	1						RA	
87.0	LEFT LANE ENDS	531+17.00	NB	1						RA	
88.0	LEFT LANE ENDS	531+17.00	NB	1						RA	
89.0	JCT I-80/ DO NOT ENTER	531+22.00	SB	1						RA	
90.0	LANE ENDS	534+32.00	NB	1						RA	
91.0	LANE ENDS	534+32.00	NB	1						RA	
92.0	FOUR-WAY INTERSECTION	535+79.00	SB	1						RA	
93.0	DIVIDED HWY ENDS	536+68.00	NB	1						RA	
94.0	DIVIDED HWY ENDS	536+68.00	NB	1						RA	
95.0	SPEED LIMIT 50	540+08.00	SB	1						RA	
96.0	US HWY 59	540+42.00	NB	1						RA	

190_62
2/13/23

EXISTING SIGNS TO BE REMOVED

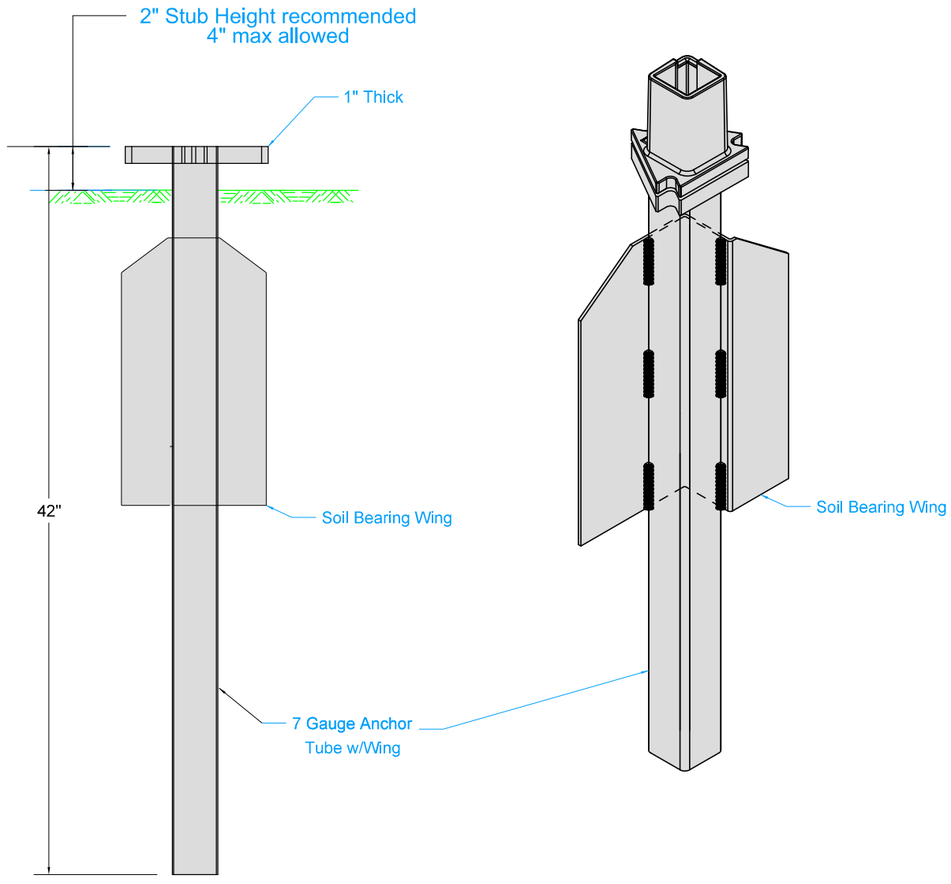
Line No.	Sign Number or Description	Location Station	Direction of Travel	Type 'A' Sign Assembly (RA) (EA)	Type 'B' Sign Assembly (RB) (EA)	Type 'A' Remove and Reinstall (RR) (EA)	Type 'B' Remove and Reinstall (RR) (EA)	Concrete Foundation (RF) (EA)	Support Structure & Foundation (RS) (EA)	Applicable Signing Notes	Remarks
97.0	WARNING SPEED LIMIT 50	543+07.00	SB	1						RA	
98.0	POTTAWATTAMIE COUNTY/US 59	543+39.00	SB	1						RA	
99.0	SHELBY COUNTY/IA COMMUNITY	543+41.00	NB	1		1				RA, RR	
100.0	TRUCKS TURNING AHEAD	544+84.00	SB	1						RA	
101.0	TWO-WAY TRAFFIC	545+78.00	NB	1						RA	
102.0	DIVIDED HWY/OBJECT MARKER	545+83.00	SB	1						RA	
103.0	DO NOT PASS	549+28.00	SB	1						RA	
104.0	BEGIN DIVIDED HWY	553+09.00	SB	1						RA	
Total				90	11	4	0	22	0		

110_13
8/15/22

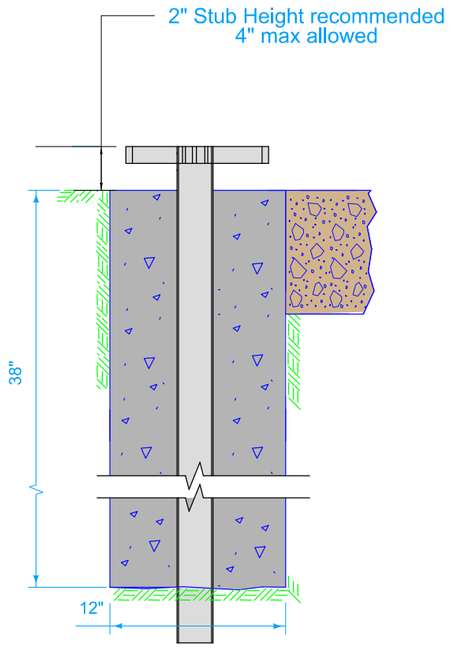
DELIVERY AND STOCKPILING

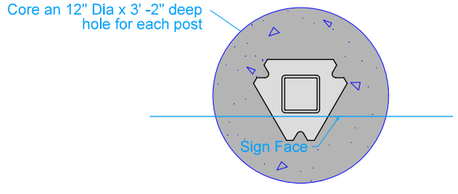
Line No.	Item Description	Quantity	Quantity Units	Delivery Location	Contact Name	Contact Number	Remarks
1.0	SOLAR PANEL AND BEACON	2	EA	Avoca Maintence Garage	Russ Holbert	712-343-2655	
2.0	TRAFFIC SIGNS	4	EA	1110 N. Chestnut			
3.0				Avoca, IA 51521			

TYPE 3 INSTALLATION
(TRIANGULAR SLIP BASE SOIL)



TYPE 4 INSTALLATION
(TRIANGULAR SLIP BASE CONCRETE)





IOWA DOT

REVISION	
-	00-00-00

TAS STANDARD

REVISION: __

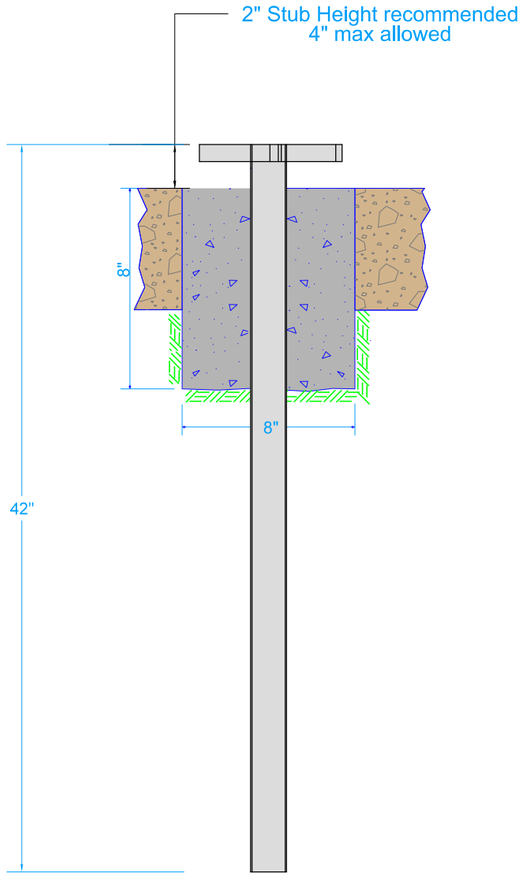
**Support Structures -
Perforated Square Steel Tube
Anchor and Post**

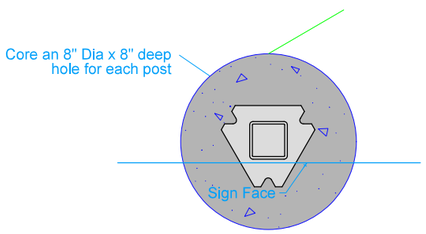
FILE NO.	ENGLISH	DESIGN TEAM **Hermann/Kenton/Reed**	**POTTAWATTAMIE** COUNTY	PROJECT NUMBER **NHSX-09-3(056)--3H-78**	SHEET NUMBER **N.15**

11:57:34 AM 7/16/2026 skenton pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\TrafficAndSafety\TrafficEngineering\(56)_Signing Sheets\CADD Files\SHT_78059056_B1.dgn

(1)

TYPE 5 INSTALLATION
(TRIANGULAR SLIP BASE CONCRETE)





(1) Used in concrete islands.

IOWA DOT

REVISION	
-	00-00-00

■■■

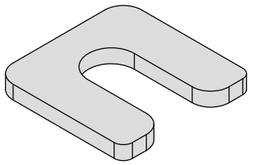
TAS STANDARD

REVISION: __

**Support Structures -
Perforated Square Steel Tube
Anchor and Post**

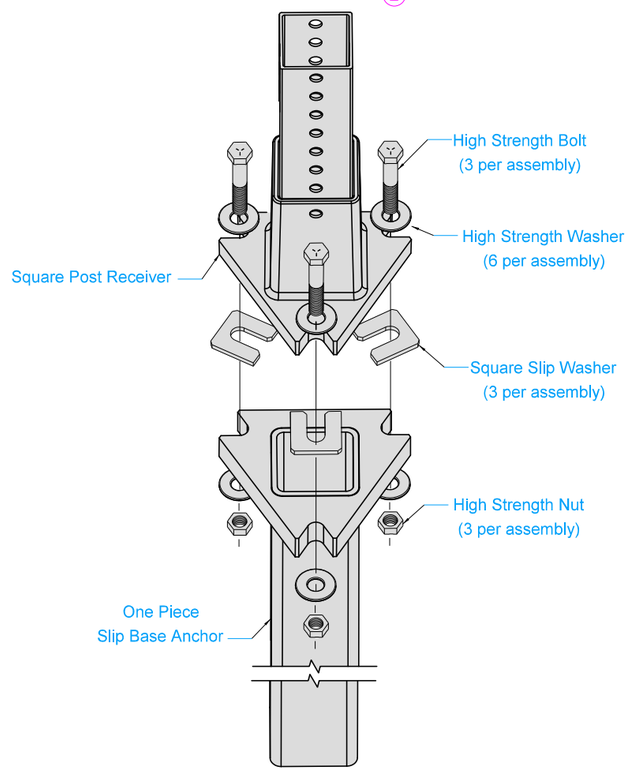
FILE NO.	ENGLISH	DESIGN TEAM **Hermann/Kenton/Reed**	**POTTAWATTAMIE** COUNTY	PROJECT NUMBER **NHSX-09-3(056)--3H-78**	SHEET NUMBER **N.16**

11:57:34 AM 7/16/2026 skenton pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\TrafficAndSafety\TrafficEngineering\(56)_Signing Sheets\CADD Files\SHT_78059056_B1.dgn



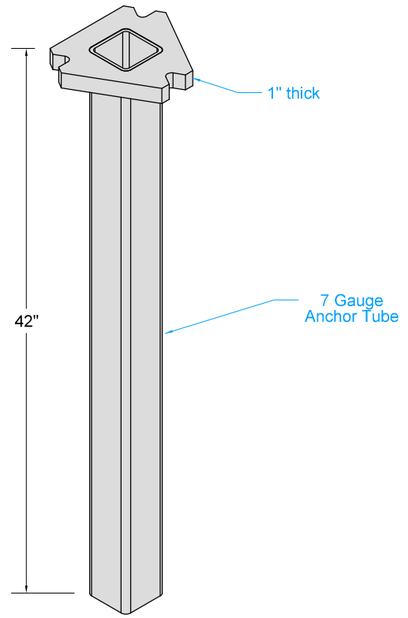
1 $\frac{3}{4}$" SQUARE X $\frac{3}{16}$" (1)
SQUARE SLIP WASHER

(2)



EXPLODED VIEW (1)
SLIP BASE, RECEIVER AND
CONNECTION HARDWARE

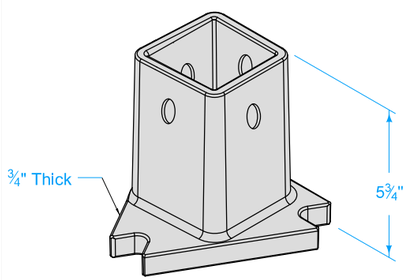
(1)
ONE PIECE
SLIP BASE ANCHOR



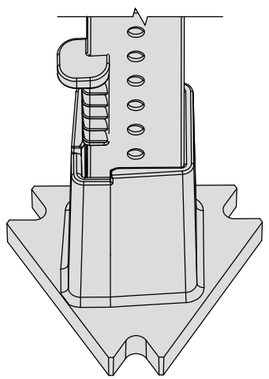
(1) Type III/IV installation

(2) Fastener size and installation procedure shall be according to manufacturer's recommendation.

OPTION 1



OPTION 2



2 $\frac{1}{2}$" SQUARE POST RECEIVER (1)

IOWA DOT	REVISION - 00-00-00
---	■■■ TAS STANDARD

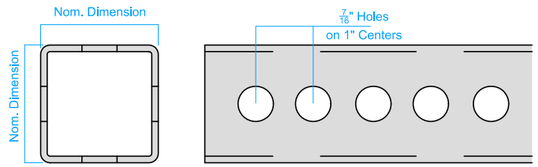
REVISION: __

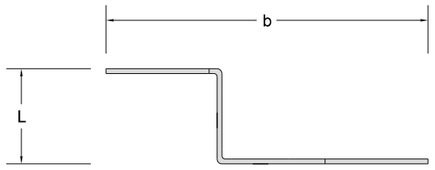
Support Structures - Perforated Square Steel Tube Anchor and Post

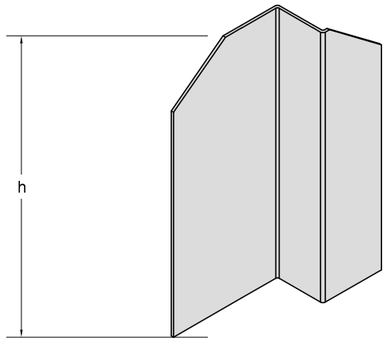
FILE NO.	ENGLISH	DESIGN TEAM **Hermann/Kenton/Reed**	**POTTAWATTAMIE** COUNTY	PROJECT NUMBER **NHSX-09-3(056)--3H-78**	SHEET NUMBER **N.17**

11:57:35 AM 7/16/2026 skenton pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\TrafficAndSafety\TrafficEngineering\(56)_Signing Sheets\CADD Files\SHT_78059056_B1.dgn

PERFORATED STEEL SQUARE TUBE POST DETAILS

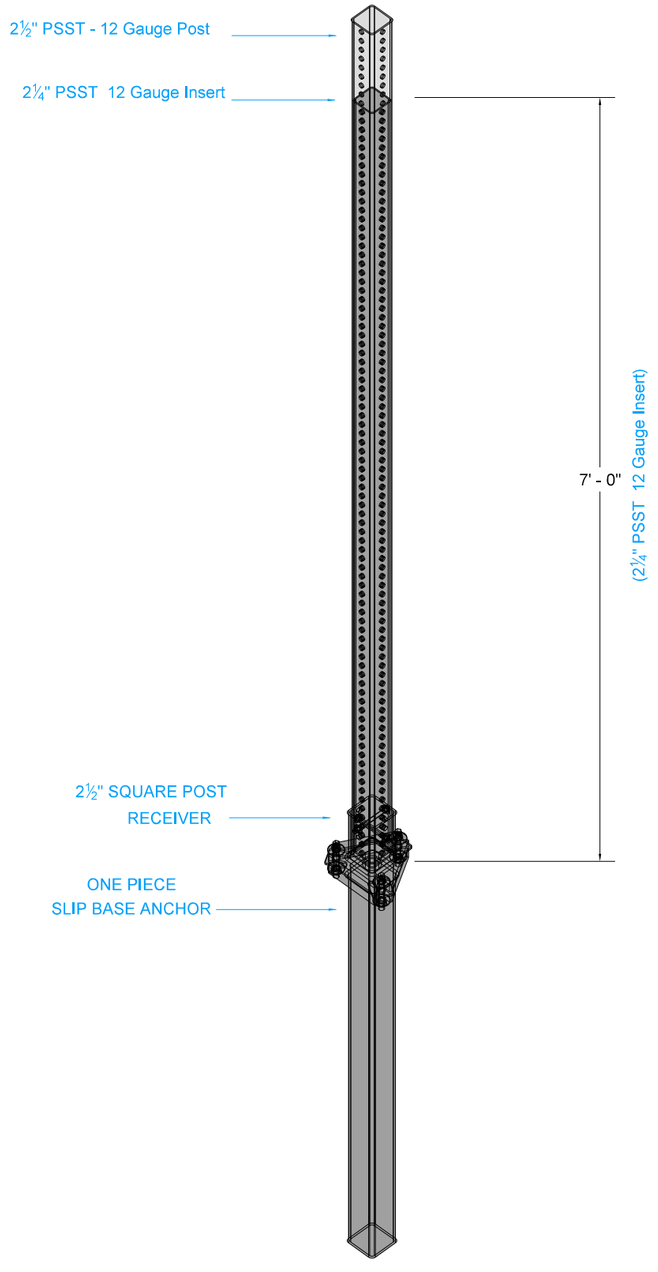




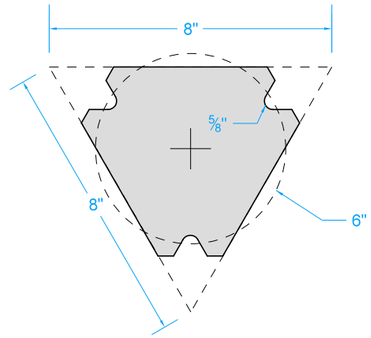


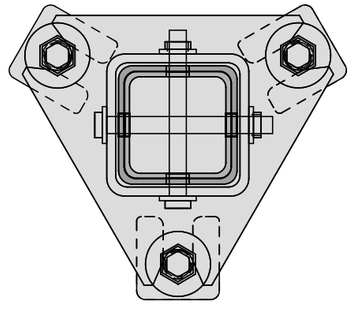
SOIL BEARING WING

SLIP BASE WITH NESTED PERFORATED SQUARE STEEL TUBE POST (1)



SLIP PLATE DIMENSIONS (1)





(1) Type III/IV installation only

IOWA DOT

REVISION	
-	00-00-00

■■■

TAS STANDARD

REVISION: __

**Support Structures -
Perforated Square Steel Tube
Anchor and Post**

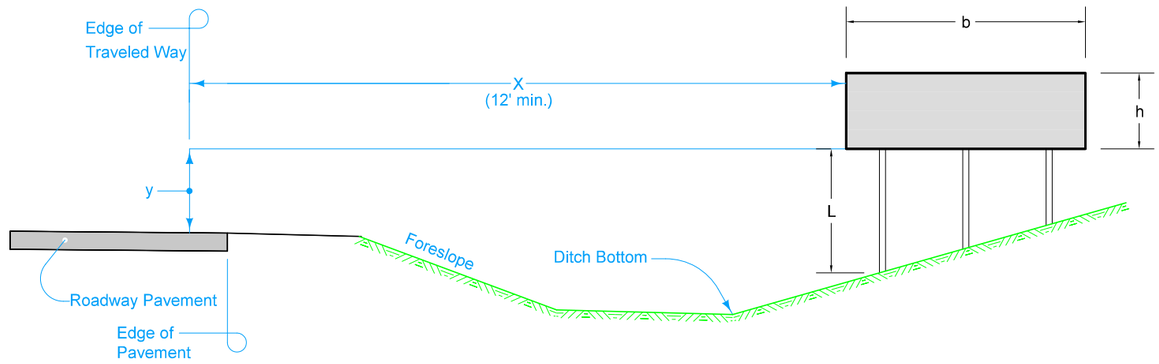
FILE NO.	ENGLISH	DESIGN TEAM **Hermann/Kenton/Reed**	**POTTAWATTAMIE** COUNTY	PROJECT NUMBER **NHSX-09-3(056)--3H-78**	SHEET NUMBER **N.18**

11:57:35 AM 7/16/2026 skenton pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\TrafficAndSafety\TrafficEngineering\(56)_Signing Sheets\CADD Files\SHT_78059056_B1.dgn

Note: The sign centroid is equivalent to L + h/2, (length of the longest post from the ground to the bottom of the sign plus the half the height of the sign.) and the Sign Area Yielding Design is the maximum area that the corresponding sign can have without failure. Sign Area is equivalent to b x h.

POST LOADING FOR PERFORATED SQUARE STEEL TUBE POSTS (1) (2)

SIGN CENTROID (FT)	SIGN AREA (SQ-FT) YIELDING DESIGN					
	TYPE 1 TYPE 2	TYPE 3/TYPE 4 (SLIP BASE REQUIRED)				
	2 ½" x 12ga	2 ½" x 12ga		2 ¼" x 12ga inserted into a 2 ½" x 12 ga		
	1 Post	2 Post	3 Post	1 Post	2 Post	3 Post
16.5	10.44	20.88	31.32	18.78	37.56	56.34
16	10.76	21.52	32.28	19.36	38.72	58.08
15.5	11.11	22.22	33.33	19.99	39.98	59.97
15	11.48	22.96	34.44	20.65	41.3	61.95
14.5	11.87	23.74	35.61	21.36	42.72	64.08
14	12.3	24.6	36.9	22.13	44.26	66.39
13.5	12.75	25.5	38.25	22.95	45.9	68.85
13	13.24	26.48	39.72	23.83	47.66	71.49
12.5	13.77	27.54	41.71	24.78	49.56	74.34
12	14.35	28.7	43.05	25.82	51.64	77.46
11.5	14.97	29.94	44.91	26.94	53.88	80.82
11	15.65	31.3	46.95	28.16	56.32	84.48
10.5	16.4	32.8	49.2	29.5	59	88.5
10	17.22	34.44	51.66	30.98	61.96	92.94
9.5	18.12	36.24	54.36	32.61	65.22	97.83
9	19.13	38.26	57.39	34.42	68.84	103.26
8.5	20.26	40.52	60.78	36.45	72.9	109.35
8	21.52	43.04	64.56	38.72	77.44	116.16



(1) Adapted from AASHTO Standard Specifications for - Highway Signs, Luminaires, and Traffic Signals. 6th Edition 2013. <Rev B 4/7/14>

(2) 90 MPH Wind Load

IOWA DOT

REVISION - 00-00-00

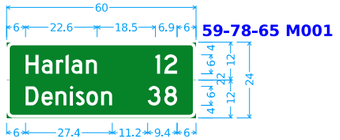
TAS STANDARD

REVISION: __

Support Structures - Perforated Square Steel Tube Anchor and Post

FILE NO. | ENGLISH | DESIGN TEAM **Hermann/Kenton/Reed** | **POTTAWATTAMIE** COUNTY | PROJECT NUMBER **NHSX-09-3(056)--3H-78** | SHEET NUMBER **N.19**

11:57:35 AM 7/16/2026 skenton pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\TrafficAndSafety\TrafficEngineering\(56)_Signing Sheets\CADD Files\SHT_78059056_B1.dgn

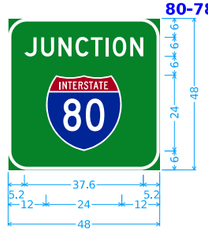


59-78-65 M001

Primary Project Mileage 2 Line;

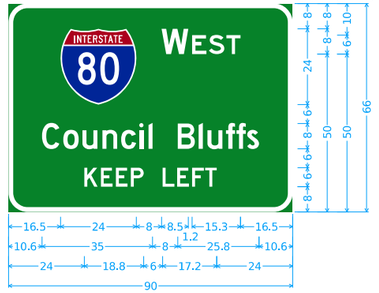
2.0" Radius, 1.0" Border, White on Green;
"Harlan", D 2K; "12", D 2K;

2.0" Radius, 1.0" Border, White on Green;
"Denison", D 2K; "38", D 2K;



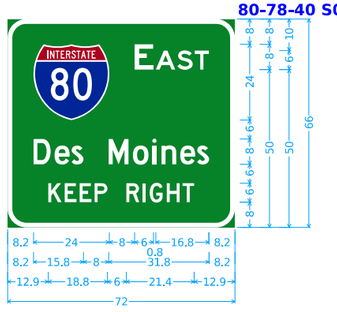
80-78-40 S001
80-78-40 S101

6.0" Radius, 1.0" Border, White on Green;
"JUNCTION", D 2K;



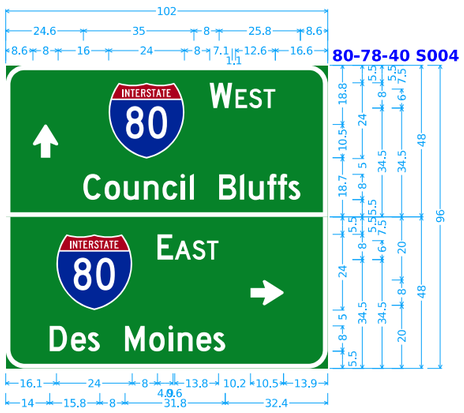
80-78-40 S002

SR SIngle Lane - 5 - Left Turn;
6.0" Radius, 1.5" Border, White on Green;
"WEST", E 2K; "Council Bluffs", D 2K;
"KEEP LEFT", D 2K;



80-78-40 S003

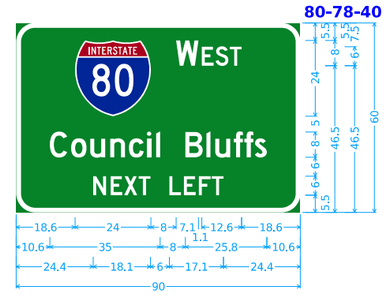
SR Single Lane - 5 - Left Turn;
6.0" Radius, 1.5" Border, White on Green;
"EAST", E 2K; "Des Moines", D 2K;
"KEEP RIGHT", D 2K;



80-78-40 S004

6.0" Radius, 1.5" Border, White on Green;
Arrow III-8S - 10.5° 90°; "WEST", D 2K;
"Council Bluffs", D 2K;

6.0" Radius, 1.5" Border, White on Green;
"EAST", D 2K; "Des Moines", D 2K; Arrow III-8S - 10.5° 0°;

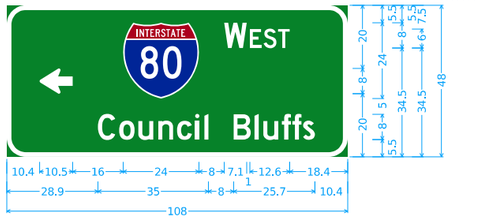


80-78-40 S005

6.0" Radius, 1.5" Border, White on Green;
"WEST", D 2K; "Council Bluffs", D 2K;
"NEXT LEFT", D 2K;

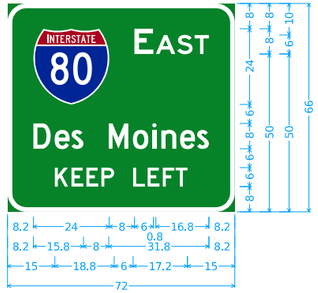
SIGN PANEL DETAILS

80-78-40 S006



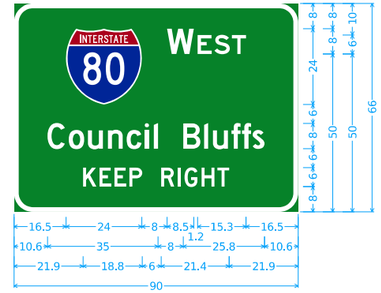
6.0" Radius, 1.5" Border, White on Green;
Arrow III-8S - 10.5" 180°; "WEST", D 2K; "Council Bluffs", D 2K;

80-78-40 S102



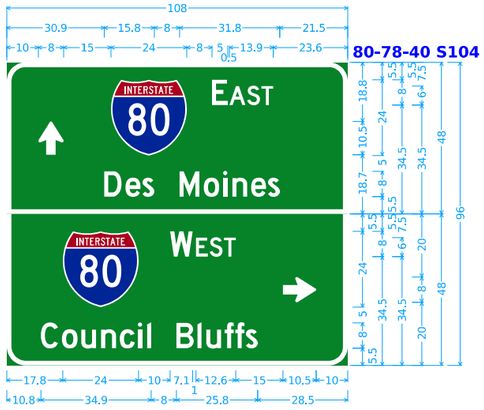
SR Single Lane - 5 - Left Turn;
6.0" Radius, 1.5" Border, White on Green;
"EAST", E 2K; "Des Moines", D 2K;
"KEEP LEFT", D 2K;

80-78-40 S103



SR Single Lane - 5 - Left Turn;
6.0" Radius, 1.5" Border, White on Green;
"WEST", E 2K; "Council Bluffs", D 2K;
"KEEP RIGHT", D 2K;

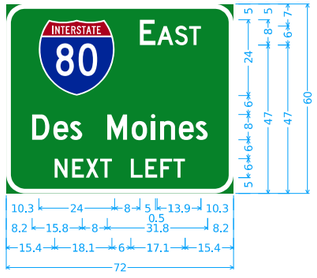
80-78-40 S104



6.0" Radius, 1.5" Border, White on Green;
Arrow III-8S - 10.5" 90°; "EAST", D 2K; "Des Moines", D 2K;

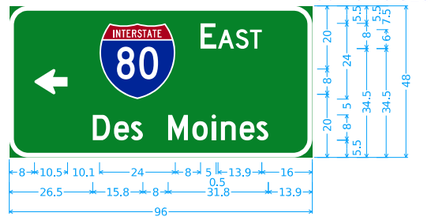
6.0" Radius, 1.5" Border, White on Green;
"WEST", D 2K; "Council Bluffs", D 2K; Arrow III-8S - 10.5" 0°;

80-78-40 S105



6.0" Radius, 1.5" Border, White on Green;
"EAST", D 2K; "Des Moines", D 2K;
"NEXT LEFT", D 2K;

80-78-40 S106

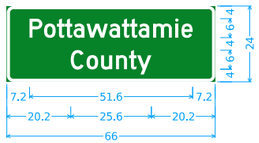


6.0" Radius, 1.5" Border, White on Green;
Arrow III-8S - 10.5" 180°; "EAST", D 2K;
"Des Moines", D 2K;

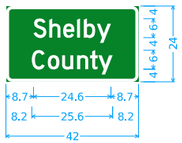
SIGN PANEL DETAILS



Corporate Limit Sign;
2.0" Radius, 1.0" Border, White on Green;
"Avoca", D 2K;

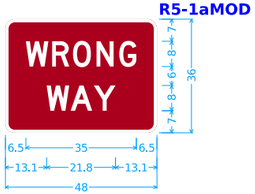


2.0" Radius, 1.0" Border, White on Green;
"Pottawattamie", D 2K;
"County", D 2K;



2.0" Radius, 1.0" Border, White on Green;
"Shelby", D 2K;
"County", D 2K;

R5-1aMOD



R5-1aMOD (FWY);
3.0" Radius, 1.0" Border, White on Red;
"WRONG", D 2K;
"WAY", D 2K;

SIGN PANEL
DETAILS

FILE NO.	ENGLISH	DESIGN TEAM **Hermann/Kenton/Reed**	**POTTAWATTAMIE** COUNTY	PROJECT NUMBER **NHSX-09-3(056)--3H-78**	SHEET NUMBER **N.22**	

11:41:16 AM 8/19/2026 skenton pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\TrafficAndSafety\TrafficEngineering\(56)_Signing Sheets\CADD Files\SHT_78059056_B1.dgn

470+00

475+00

480+00

485+00

490+00

495+00

59

Wood St.

Pershing St.

S Wood St.

REMOVE
BEGIN DIVIDED HIGHWAY
STA. 469+80(ML059)

REMOVE
STOP
STA. 472+27(ML059)

REMOVE
NO PASSING ZONE
STA. 472+58(ML059)

REMOVE
SPEED LIMIT 45
STA. 474+04(ML059)

REMOVE
REVERSE CURVE AHEAD
25 MPH
STA. 473+03(ML059)

REMOVE
AVOCA
SPEED LIMIT 35
STA. 474+04(ML059)

REMOVE
STOP
STA. 476+16(ML059)

REMOVE
STOP
STA. 476+41(ML059)

REMOVE
KEEP RIGHT
DIVIDED HWY
WARNING OBJECT MARKERS
STA. 477+68(ML059)

REMOVE
DESTINATION GUIDE
STA. 476+85(ML059)

REMOVE
TWO WAY TRAFFIC
STA. 478+25(ML059)

REMOVE
DIVIDED HWY ENDS
STA. 486+78(ML059)

REMOVE
DIVIDED HWY ENDS
STA. 486+77(ML059)

REMOVE
REFERENCE POST 65
STA. 487+04(ML059)

REMOVE
REFERENCE POST 65
STA. 487+05(ML059)

REMOVE
LANE ENDS
STA. 489+40(ML059)

REMOVE
LANE ENDS
STA. 489+43(ML059)

REMOVE
LEFT LAND ENDS
STA. 493+17(ML059)

REMOVE
YIELD
STA. 493+31(ML059)

REMOVE
LEFT LANE ENDS
STA. 493+16(ML059)

REMOVE
STOP
STA. 493+42(ML059)

REMOVE
YIELD/ONE WAY
STA. 493+79(ML059)

REMOVE
SPEED LIMIT 50
STA. 495+44(ML059)

REMOVE
SPEED LIMIT 45
STA. 495+43(ML059)

REMOVE
I-80 JCT
STA. 497+80(ML059)

REMOVE
HOME BASE IOWA COMMUNITY
STA. 499+58(ML059)

REMOVAL BY OTHERS
CITY OF AVOCA GUIDE SIGN
STA. 499+74(ML059)

REMOVE
YIELD/ONE WAY
STA. 501+42(ML059)

REMOVE
DO NOT ENTER
STA. 500+43(ML059)

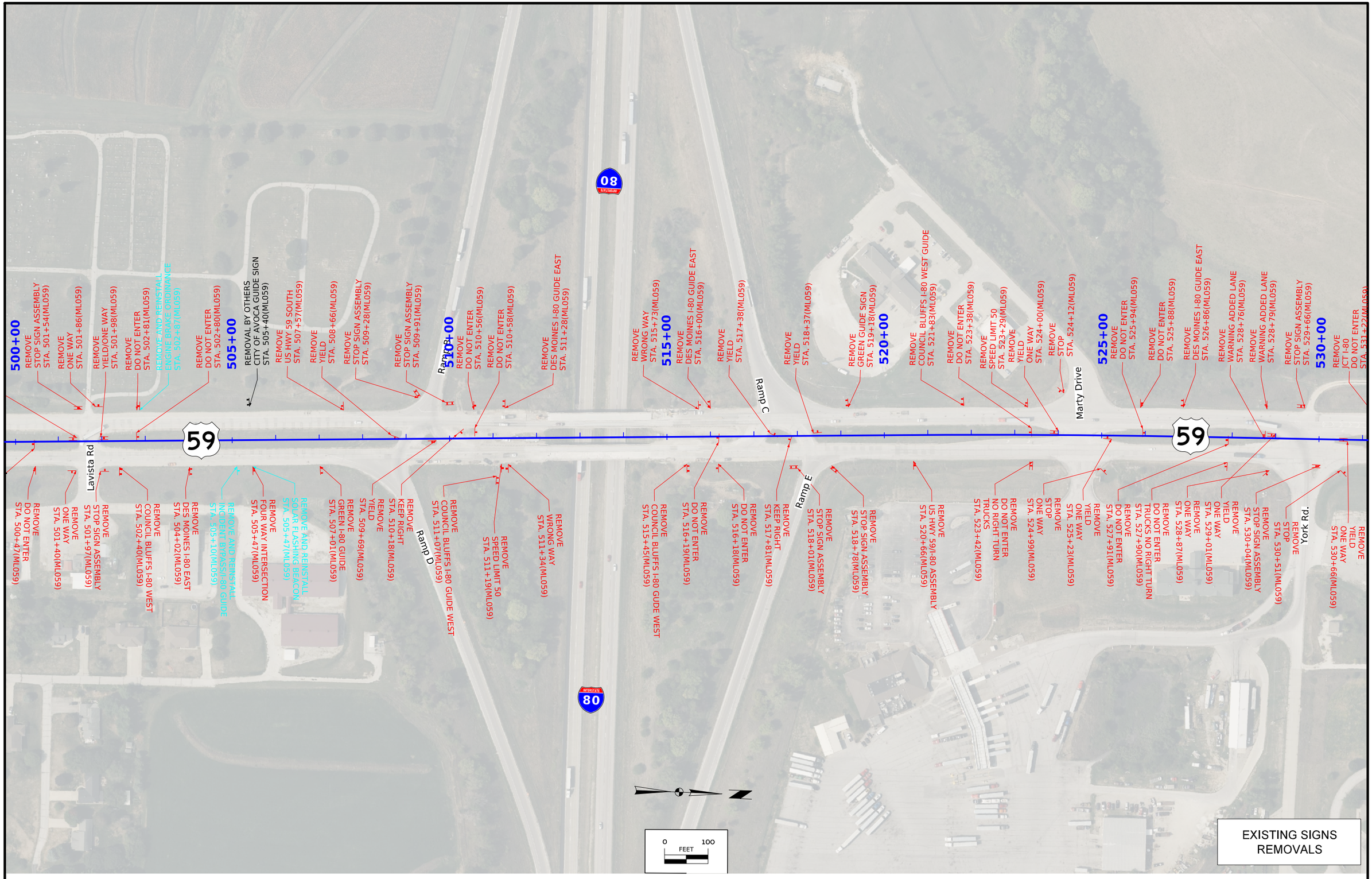
0 100
FEET

EXISTING SIGNS
REMOVALS

FILE NO.	ENGLISH	DESIGN TEAM Hermann/Kenton/Reed	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-09-3(056)--3H-78	SHEET NUMBER N.23	

8:33:36 AM 8/18/2026 skenton pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\TrafficAndSafety\TrafficEngineering\(56)_Signing Sheets\CADD Files\SGN_RMV_78059056.dgn

© 2026 Microsoft Corporation © Maxar ©CNES (2026) Distribution Airbus DS © Mapbox



FILE NO.	ENGLISH	DESIGN TEAM Hermann/Kenton/Reed	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-09-3(056)--3H-78	SHEET NUMBER N.24	

8:33:54 AM 8/18/2026 skenton pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\TrafficAndSafety\TrafficEngineering\(56)_Signing Sheets\CADD Files\SGN_RMV_78059056.dgn

© 2026 Microsoft Corporation © Maxar ©CNES (2026) Distribution Airbus DS © Mapbox



FILE NO.	ENGLISH	DESIGN TEAM Hermann/Kenton/Reed	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-09-3(056)--3H-78	SHEET NUMBER N.25	

8:34:08 AM 8/18/2026 skenton pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\TrafficAndSafety\TrafficEngineering\(56)_Signing Sheets\CADD Files\SGN_RMV_78059056.dgn

© 2026 Microsoft Corporation © Maxar ©CNES (2026) Distribution Airbus DS © Mapbox

REFERENCE POST & DELINEATOR LEGEND

- Reference Post (SI-171)
- One-Tenth Reference Post (SI-171)
- Single White Delineator (SI-172, Type IA)
- Single White Delineator (SI-172, Type I)
- Double White Delineator (SI-172, Type II)
- Single Yellow Delineator (SI-172, Type I)
- Double Yellow Delineator (SI-172, Type II)
- Yellow Object Marker (TAS-811)
- White Object Marker (TAS-811)

470+00

475+00

480+00

485+00

490+00

495+00

INSTALL W1-4 (30"x30"), W13-1P (18"x18"), Advisory Speed (25) STA. 473+00(ML059)

INSTALL R2-1 (24"x30"), Speed Limit (35) PSST Posts STA. 474+00(ML059)

INSTALL Corporate Limit Sign 'Avoca' STA. 475+00(ML059)

REINSTALL Home Base Iowa Community Sign

Wood St.

INSTALL R1-1 (30"x30") Stop PSST Post

INSTALL D10-2 (6"x16"), Reference Location Sign Mile 65 STA. 487+05(ML059)

INSTALL W6-3 (36"x36"), Two Way Traffic W16-9P (24"x12"), Ahead Plaque PSST Post STA. 488+00(ML059)

INSTALL R1-1 (30"x30"), Stop PSST Post

INSTALL W4-2 (36"x36"), Lane Ends (Left) PSST Post STA. 495+00(ML059)

INSTALL W4-2 (36"x36"), Lane Ends (Left) PSST Post STA. 495+00(ML059)

INSTALL R2-1 (30"x36"), Speed Limit (45) PSST Post STA. 496+00(ML059)

INSTALL W9-1 (36"x36"), Left Lane Ends W16-2P (24"x18"), Distance Plaque PSST Post STA. 498+00(ML059)

INSTALL W9-1 (36"x36"), Left Lane Ends W16-2P (24"x18"), Distance Plaque PSST Post STA. 498+00(ML059)

INSTALL R1-1 (30"x30") Stop PSST Post

Pershing St.

INSTALL W14-3 (48"x48"), No Passing Zone PSST Posts STA. 473+00(ML059)

INSTALL R2-1 (24"x30"), Speed Limit (45) PSST Post STA. 474+00(ML059)

Wood St.

INSTALL R1-1 (30"x30"), Stop PSST Post

INSTALL 59-78-65 M001, Distance Board PSST Posts STA. 477+00(ML059)

INSTALL D10-2 (6"x16"), Reference Location Sign Mile 65 STA. 487+05(ML059)

INSTALL R2-1 (30"x36"), Speed Limit (50) PSST Post STA. 496+00(ML059)

INSTALL 80-78-40 S001 Route Junction Guide Sign PSST Posts STA. 498+00(ML059)

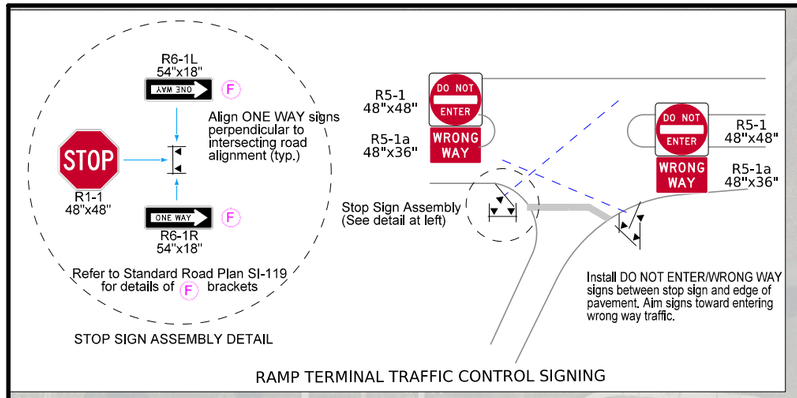
0 100 FEET

PROPOSED TRAFFIC SIGNS

FILE NO.	ENGLISH	DESIGN TEAM Hermann/Kenton/Reed	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-09-3(056)--3H-78	SHEET NUMBER N.26	

10:51:07 AM 8/14/2026 skenton pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\TrafficAndSafety\TrafficEngineering\(56)_Signing Sheets\CADD Files\SGN_PRO_78059056.dgn

© 2026 Microsoft Corporation © Maxar ©CNES (2026) Distribution Airbus DS © Mapbox



500+00

STOP
INSTALL
R1-1 (30"x30"), Stop
PSST Post

STOP
INSTALL
R1-1 (30"x30") Stop
PSST Post

505+00

REINSTALL
Engine Brake Ordinance Sign
PSST Post
STA. 505+00(ML059)

INSTALL
M3-3 (24"x12"), South Plaque
M1-4 (24"x24"), Route Shield
PSST Post
STA. 508+00(ML059)

SOUTH 59

Ramp Terminal
Traffic Control Signing
(See detail this sheet)

DO NOT ENTER
R5-1 (48"x48"), Do Not Enter
PSST Post
STA. 510+60(ML059)

510+00

Ramp B

INSTALL

DO NOT ENTER
R5-1 (48"x48"), Do Not Enter
PSST Post
STA. 510+60(ML059)

INSTALL

EAST 80 Des Moines
INSTALL
80-78-40 S106
Left Turn I-80 East Guide Sign
MASSH-400 Post
STA. 511+00(ML059)

515+00

EAST 80 Des Moines NEXT LEFT
INSTALL
80-78-40 S105
Next Left I-80 East Guide Sign
MASSH-400 Post
STA. 516+00(ML059)

KEEP RIGHT
INSTALL
R4-7b (36"x48") Keep Right
PSST Post
STA. 516+60(ML059)
Aim sign toward center
of Ramp E stop line

Ramp C

EAST 80 Des Moines WEST 80 Council Bluffs
INSTALL
80-78-40 S104
I-80 East/I-80 West Guide Sign
W8x21 Steel Breakaway Posts
STA. 519+00(ML059)

520+00

EAST 80 Des Moines KEEP LEFT
INSTALL
80-78-40 S103
Keep Left I-80 East Guide Sign
MASSH-400 Post
STA. 522+00(ML059)

SPEED LIMIT 50
INSTALL
R2-1 (30"x36"), Speed Limit (50)
PSST Post
STA. 523+25(ML059)

STOP
INSTALL
R1-1 (30"x30"), Stop
PSST Post

Marty Drive

525+00

WEST 80 Council Bluffs KEEP RIGHT
INSTALL
80-78-40 S102
Keep Right I-80 West Guide Sign
MASSH-400 Post
STA. 527+00(ML059)

Lavista Rd

REINSTALL
Incident Bypass To I-80 East Sign
STA. 499+00(ML059)

EAST 80 Des Moines KEEP RIGHT
INSTALL
80-78-40 S002
Keep Right I-80 East Guide Sign
MASSH-400 Post
STA. 501+00(ML059)

WEST 80 Council Bluffs KEEP LEFT
INSTALL
80-78-40 S003
Keep Left I-80 West Guide Sign
MASSH-400 Post
STA. 504+00(ML059)

REINSTALL
Solar Flashing Beacon
INSTALL
W2-1 (36"x36"), Cross Road
PSST Post
STA. 505+50(ML059)

INSTALL
80-78-40 S004
I-80 West/I-80 East Guide Sign
W8x21 Steel Breakaway Posts
STA. 507+00(ML059)

EAST 80 Des Moines WEST 80 Council Bluffs

INSTALL
R4-7 (36"x48") Keep Right
PSST Post
STA. 510+60(ML059)
Aim sign toward center of
Ramp B stop line

KEEP RIGHT

Ramp D

INSTALL
80-78-40 S005
Next Left I-80 West Guide Sign
MASSH-400 Post
STA. 511+00(ML059)

WEST 80 Council Bluffs NEXT LEFT

INSTALL
80-78-40 S006
Left Turn I-80 West Guide Sign
MASSH-400 Post
STA. 515+50(ML059)

WEST 80 Council Bluffs

DO NOT ENTER
R5-1 (48"x48"), Do Not Enter
PSST Post
STA. 516+60(ML059)

INSTALL

DO NOT ENTER
R5-1 (48"x48"), Do Not Enter
PSST Post
STA. 516+60(ML059)

INSTALL

Ramp E

Ramp Terminal
Traffic Control Signing
(See detail this sheet)

INSTALL
M3-1 (24"x12"), North Plaque
M1-4 (24"x24"), Route Shield
PSST Post
STA. 520+00(ML059)

NORTH 59

INSTALL
W9-1 (36"x36"), Left Lane Ends
W16-2P (24"x18"), Distance Plaque
PSST Post
STA. 523+00(ML059)

1000 FEET
LEFT LANE ENDS

INSTALL
W9-1 (36"x36"), Left Lane Ends
W16-2P (24"x18"), Distance Plaque
PSST Post
STA. 523+50(ML059)

1000 FEET
LEFT LANE ENDS

INSTALL
R3-1b (24"X36") Trucks No Right Turn
STA. 523+50(ML059)

TRUCKS

STOP
INSTALL
R1-1 (30"x30") Stop
PSST Post

INSTALL
W4-2 (36"x36"), Lane Ends (Left)
PSST Post
STA. 527+00(ML059)

INSTALL
W4-2 (36"x36"), Lane Ends (Left)
PSST Post
STA. 527+00(ML059)

0 100 FEET

PROPOSED
TRAFFIC SIGNS

FILE NO.	ENGLISH	DESIGN TEAM Hermann/Kenton/Reed	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-09-3(056)--3H-78	SHEET NUMBER N.27	

10:51:22 AM 8/14/2026 skenton pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\TrafficAndSafety\TrafficEngineering\(56)_Signing Sheets\CADD Files\SGN_PRO_78059056.dgn

© 2026 Microsoft Corporation © Maxar ©CNES (2026) Distribution Airbus DS © Mapbox

REFERENCE POST & DELINEATOR LEGEND

- Reference Post (SI-171)
- One-Tenth Reference Post (SI-171)
- Single White Delineator (SI-172, Type IA)
- Single White Delineator (SI-172, Type I)
- Double White Delineator (SI-172, Type II)
- Single Yellow Delineator (SI-172, Type I)
- Double Yellow Delineator (SI-172, Type II)
- Yellow Object Marker (TAS-811)
- White Object Marker (TAS-811)

530+00
INSTALL
80-78-40 S101
Route Junction Guide Sign
PSST Posts
STA. 530+50(ML059)

535+00
REINSTALL
Solar Flashing Beacon
INSTALL
W2-1 (36"x36"), Cross Road
PSST Post
STA. 536+00(ML059)

INSTALL
D10-2 (6"x16"), Reference Location Sign
Mile 66
STA. 539+88(ML059)

INSTALL
R2-1 (30"x36"), Speed Limit (50)
PSST Post
STA. 540+00(ML059)

540+00

INSTALL
County Line, Pottawattamie County
PSST Posts
STA. 543+36(ML059)

545+00

550+00

555+00

Co Hwy F66

59

INSTALL

York Rd.

INSTALL
R1-1 (30"x30"), Stop
PSST Post

INSTALL
R1-1 (30"x30"), Stop
PSST Post

INSTALL
W6-3 (36"x36"), Two Way Traffic
W16-9P (24"x12"), Ahead Plaque
PSST Post
STA. 533+00(ML059)

INSTALL
D10-2 (6"x16"), Reference Location Sign
Mile 66
STA. 539+88(ML059)

INSTALL
R2-1 (30"x36"), Speed Limit (60)
PSST Post
STA. 540+00(ML059)

REINSTALL
Iowa Home Base Community Sign
STA. 543+37(ML059)

INSTALL
County Line, Shelby County
PSST Posts
STA. 543+37(ML059)

STOP SIGN PLACEMENT
IN PAINTED ISLAND

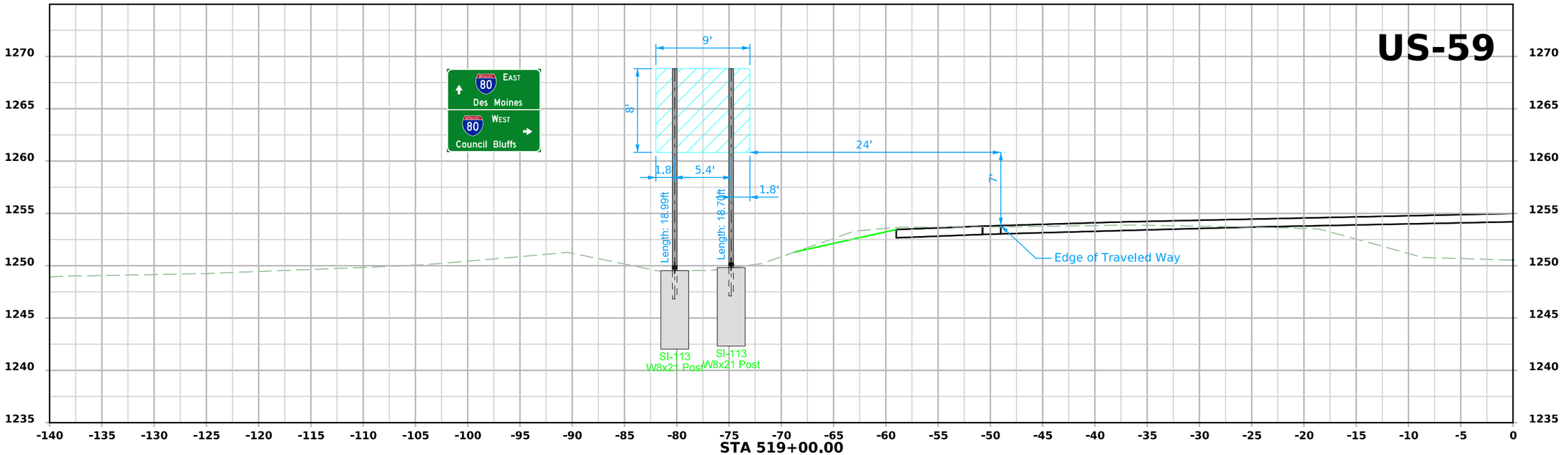
0 100
FEET

PROPOSED
TRAFFIC SIGNS

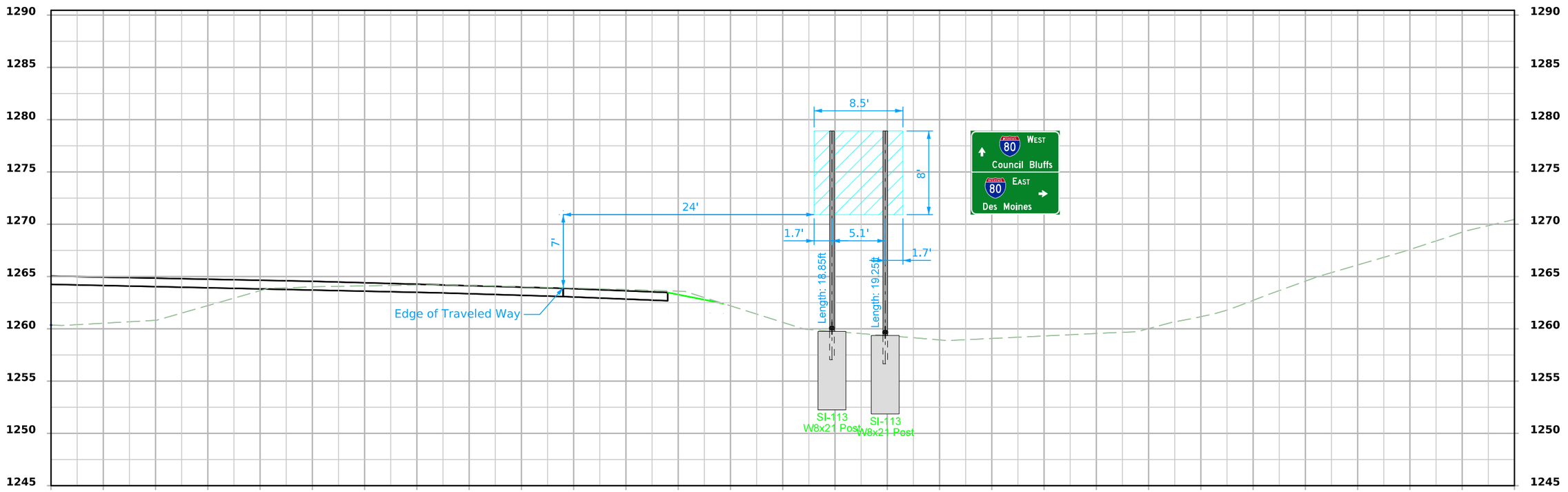
FILE NO.	ENGLISH	DESIGN TEAM Hermann/Kenton/Reed	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-09-3(056)--3H-78	SHEET NUMBER N.28	

10:51:36 AM 8/14/2026 skenton pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\TrafficAndSafety\TrafficEngineering\(56)_Signing Sheets\CADD Files\SGN_PRO_78059056.dgn

© 2026 Microsoft Corporation © Maxar ©CNES (2026) Distribution Airbus DS © Mapbox



STA 519+00.00
W8x21 Steel Breakaway Posts



STA 507+00.00
W8x21 Steel Breakaway Posts

FILE NO.	ENGLISH	DESIGN TEAM Hermann/Kenton/Reed	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-09-3(056)--3H-78	SHEET NUMBER N.29

1:53:34 PM 7/17/2026 skenton pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\TrafficAndSafety\TrafficEngineering\(56)_Signing Sheets\CADD Files\SGN_XS_78059056.dgn

LANDSCAPE DESIGN

STATE OF IOWA
Rachel
A. Harris
LA000775
PROFESSIONAL LANDSCAPE ARCHITECT

I hereby certify that the portion of this technical submission described below was prepared by me or under my direct supervision and responsible charge. I am a duly licensed professional landscape architect under the laws of the state of Iowa.

Signature 10-05-2026 Date

Rachel A. Harris
Printed or Typed Name

My license renewal date is June 30, 2028

Pages or sheets covered by this seal: RC.1 - RC.17; RR.1 - RR.15

FILE NO.	ENGLISH	DESIGN TEAM **Harris/Pohlen/McDonald**	**Pottawattamie** COUNTY	PROJECT NUMBER **NHSX-059-3(056)--3H-78**	SHEET NUMBER **RC.1**	

11:18:06 AM 10/5/2026 npohlen pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Roadside\78059056_Signature.dgn

ESTIMATED PROJECT QUANTITIES AND REFERENCE NOTES

Item no.	Item Code	Item	Unit	Quantities	Estimate Reference Notes
				Estimated	
				Roadside Items	
1	2507-3250005	ENGINEERING FABRIC	SY	109.3	Refer to Tab. 100-23 for locations. Refer to Standard Road Plan EC-301. Use material specified for embankment erosion control according to Article 4196.01, B, 3. of the Standard Specifications. Material will be measured in sq. yds. of actual area covered. Refer to details. The tabulation includes estimated locations for placement of "Engineering Fabric" to address erosion at culvert outlets. The bid quantity includes an additional 30% for other locations as needed. Verify additional locations with the Engineer prior to placement.
2	2507-8029000	EROSION STONE	TON	65.5	Refer to Tab. 100-23 for locations. Refer to Standard Road Plan EC-301. The tabulation includes estimated locations for placement of "Erosion Stone" to address erosion to be encountered during construction. Verify specific locations with the Engineer prior to beginning placement. Bid item includes 30% additional quantity for other locations of erosion. Estimated at 1.6 ton/cu yd. Erosion Stone shall meet requirements of Article 4130 of the Standard Specifications.
3	2601-2634100	MULCHING	ACRE	9.7	Bid item "MULCHING has been included for all areas other than those designated for "Urban" seeding. Perform mulching according to Article 2601.03, E, 2, of the Standard Specifications. Anchor mulch into the soil using mulch anchoring equipment with a minimum of two passes. Item is included for areas requiring reshaping and seedbed preparation except where slope protection has been applied. Use mulch that is Certified Noxious Weed Seed Free Mulch as certified by the Iowa Crop Improvement Association or adjacent states Crop Improvement Associations. Mulch Rate: 1 1/2 tons of dry cereal straw or native grass straw per acre. The bid quantity includes an additional 10% for areas needing reapplication of mulch during the project.
4	2601-2634105	MULCHING, BONDED FIBER MATRIX	ACRE	3	Apply Bonded Fiber Matrix as the mulch for all areas designated as "Seeding and Fertilizing (Urban)". Apply seed and fertilizer for the area to be covered before applying Bonded Fiber Matrix Mulch. Apply Bonded Fiber Matrix Mulch at a minimum rate of 3000 pounds per acre. Verify locations with Engineer or IA DOT representative prior to mulching.

Item no.	Item Code	Item	Unit	Quantities Estimated Roadside Items	Estimate Reference Notes
5	2601-2636015	NATIVE GRASS SEEDING	ACRE	6.5	Refer to pages RR.9 - RR.15 for seeding locations. Seeding and seed bed preparation shall be as described in Section 2601.03, C, 5 of the Standard Specifications. Supply all seed for "Native Grass Seeding" in accordance with Table 2601.03-5 of the Standard Specifications. Apply all forb seed through the native grass drill wildflower or small seed box. Do not mix and apply Forb seed with the native grass seed. Apply cover crop through the cool season or through cover crop seed box. Do not mix and apply cover crop seed with the native grass seed. Remove seed remaining in the drill at the end of each day. At the completion of all seeding, remove remaining seed from the drill by vacuum or other means. Hand broadcast remaining seed on the project. Verify locations with Engineer or IA DOT representative prior to seeding.
6	2601-2636043	SEEDING AND FERTILIZING (RURAL)	ACRE	3.2	Refer to pages RR.9 - RR.15 for seeding locations. Seed and fertilize all areas 8 foot adjacent to the shoulder mainline, medians, and side according to Article 2601.03, C, 3, of the Standard Specifications. Verify locations with Engineer or IA DOT representative prior to seeding.
7	2601-2636044	SEEDING AND FERTILIZING (URBAN)	ACRE	3	Refer to pages RR.9 - RR.15 for seeding locations. Prepare seedbed, fertilize, and seed according to Article 2601.03, C, 4, of the Standard Specifications. Verify locations with Engineer or IA DOT representative prior to seeding.
8	2601-2642100	STABILIZING CROP - SEEDING AND FERTILIZING	ACRE	9.6	Item is included for disturbed areas. Seed and fertilize all disturbed areas according to Article 2601.03, C, 1, of the Standard Specifications. If permanent seeding cannot be placed due to the restrictive planting dates, stabilizing crop will need to be placed on all disturbed areas as temporary erosion control. When stabilizing crop must be used, place immediately following completions of finished grading. Reseeding of these areas will be required at contractors expense if damage occurs due to contractors negligence during the contract period. It is not necessary to place stabilizing crop in locations that have be covered by Slope or Special Ditch Protection.
9	2601-2642120	STABILIZING CROP - SEEDING AND FERTILIZING (URBAN)	ACRE	3	Item is included for disturbed areas designated for permanent "Urban" seeding. Seed and fertilize all urban disturbed areas according to Article 2601.03, C, 2, of the Standard Specifications.

Item no.	Item Code	Item	Unit	Quantities	Estimate Reference Notes
				Estimated	
				Roadside Items	
10	2601-2643110	WATERING FOR SOD, SPECIAL DITCH CONTROL, OR SLOPE PROTECTION	MGAL	69	Estimate for watering Special Ditch Control, Slope Protection Areas, Turf Reinforcement Mat, or Transition Mat is based on a total of four waterings at a rate of 50 gallons maximum per square, per watering. The first watering should be done no later than the day following placement of the materials with 3 additional watering at intervals of 5 to 8 calendar days. The amount of water used should be sufficient to saturate the seedbed to a depth of approximately 2 inches.
11	2601-2643300	MOBILIZATION FOR WATERING	EACH	3	
12	2601-2643413	TURF REINFORCEMENT MAT, TYPE 3	SQ	345	Refer to Tab 100-22 for locations. Refer to Standard Road Plan EC-104. Install Turf Reinforcement Mat in accordance with Article 2601.03, H, 3 of the Standard Specifications.
13	2602-0000020	SILT FENCE	LF	3,050	Refer to Tab. 100-17 for locations. Refer to Standard Road Plan EC-201. The tabulation includes estimated locations for placement of "Silt Fence" to address erosion to be encountered during construction. Verify the specific locations with the Engineer prior to beginning placement. Bid item includes 25% additional quantity for field adjustments and replacements.
14	2602-0000030	SILT FENCE FOR DITCH CHECKS	LF	173	Refer to Tab 100-18 for locations. Refer to Standard Road Plan EC-201. The tabulation includes estimated locations for placement of "Silt Fence for Ditch Checks" to address erosion to be encountered during construction. Verify the specific locations with the Engineer prior to beginning placement. Bid item includes 50% additional quantity for field adjustments and replacements.
15	2602-0000071	REMOVAL OF SILT FENCE OR SILT FENCE FOR DITCH CHECKS	LF	3,223	This item is included for silt fence and silt fence for ditch check removal required for staging reasons, removal to allow for replacement (replacement to be paid separately), or for areas that have achieved 70% permanent growth. This item is included for silt fence and silt fence for ditch check removal. Remove silt fence and posts after mulching or vegetation is established and approved by the engineer.
16	2602-0000101	MAINTENANCE OF SILT FENCE OR SILT FENCE FOR DITCH CHECK	LF	322	This item is included for clean-out and repair of the silt fence and silt fence for ditch checks during the project.
17	2602-0000150	STABILIZED CONSTRUCTION ENTRANCE, EC-303	LF	400	Refer to Standard Road Plan EC-303.

Item no.	Item Code	Item	Unit	Quantities	Estimate Reference Notes
				Estimated	
				Roadside Items	
18	2602-0000312	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 12 IN. DIA.	LF	7,690	Refer to Tab. 100-19 for locations. Refer to Standard Road Plan EC-204. The tabulation includes estimated locations for placement of "Perimeter and Slope Sediment Control Device, 12 in. dia." to address erosion to be encountered during construction. Verify the specific locations with the Engineer prior to beginning placement. Bid item includes 25% additional quantity for field adjustments and replacements.
19	2602-0000320	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 20 IN. DIA.	LF	7,690	Refer to Standard Road Plan EC-204. Item is included for temporary perimeter sediment control, inlet protection, and water velocity reduction on slopes or ditches at locations to be determined during construction. Verify specific locations with the Engineer prior to beginning placement. Item may be used in addition to, or as a direct replacement for "Perimeter and Slope Sediment Control Device, 12 in. dia." with proper spacing adjustments and upon Engineer approval.
20	2602-0000351	REMOVAL OF PERIMETER AND SLOPE OR DITCH CHECK SEDIMENT CONTROL DEVICE	LF	15,380	
21	2602-0000400	TEMPORARY INTAKE OR MANHOLE COVER ASSEMBLY	EACH	12	Refer to Tab 100-11 for locations. Refer to Standard Road Plan EC-603.
22	2602-0000410	MAINTENANCE OF TEMPORARY INTAKE OR MANHOLE COVER ASSEMBLY	EACH	12	
23	2602-0000420	REMOVAL OF TEMPORARY INTAKE OR MANHOLE COVER ASSEMBLY	EACH	12	
24	2602-0010010	MOBILIZATIONS, EROSION CONTROL	EACH	1	
25	2602-0010020	MOBILIZATIONS, EMERGENCY EROSION CONTROL	EACH	1	

281_03
11/9/23

STORM WATER BEST MANAGEMENT PRACTICES

When the following best management practices are used, they are intended to account for disturbed areas where storage volume cannot be provided: Erosion Control For Intake Or Manhole Well, Silt Basins, Silt Fence, Silt Fence For Ditch Checks, Perimeter and Slope Sediment Control Devices, Turf Reinforcement Mat - Type 3, and Seeding.

111_25
10/20/26

INDEX OF TABULATIONS

Tabulation	Tabulation Title	Sheet No.
111_25	INDEX OF TABULATIONS	RC.7
105_04	STANDARD ROAD PLANS	RC.8
100_11	EROSION CONTROL FOR INTAKE OR MANHOLE WELL	RC.9
100_17	TABULATION OF SILT FENCES	RC.10
100_18	SILT FENCES FOR DITCH CHECKS	RC.11
100_19	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE	RC.12
100_22	ROLLED EROSION CONTROL	RC.13
100_23	ROCK EROSION CONTROL	RC.14
100_34	STORMWATER DRAINAGE BASIN	RC.15
110_12	POLLUTION PREVENTION PLAN	RC.16- RC.17

105_04
10/20/26

STANDARDS

The following Standards apply to construction work on this project.

Number	Date	Title
EC-104	04-17-18	Turf Reinforced Mat (TRM)
EC-201	04-20-21	Silt Fence
EC-204	10-19-21	Perimeter, Slope and Ditch Check Sediment Control Devices
EC-301	10-18-22	Rock Erosion Control (REC)
EC-303	10-19-21	Stabilized Construction Entrance
EC-603	10-17-23	Erosion Control for Intake or Manhole Well

EROSION CONTROL FOR INTAKE OR MANHOLE WELL

Possible Standard Road Plan : EC-603

Location Station	Side	Cover Assembly Type	Quantity (EA)	Remarks
486+74.00	Median	Installation	1	
486+74.00	Median	Maintenance	1	
486+74.00	Median	Removal	1	
494+04.00	Median	Installation	1	
494+04.00	Median	Maintenance	1	
494+04.00	Median	Removal	1	
508+54.00	Median	Installation	1	
508+54.00	Median	Maintenance	1	
508+54.00	Median	Removal	1	
509+43.00	Median	Installation	1	
509+43.00	Median	Maintenance	1	
509+43.00	Median	Removal	1	
516+40.00	Median	Installation	1	
516+40.00	Median	Maintenance	1	
516+40.00	Median	Removal	1	
517+69.00	Median	Installation	1	
517+69.00	Median	Maintenance	1	
517+69.00	Median	Removal	1	
523+71.00	Median	Installation	1	
523+71.00	Median	Maintenance	1	
523+71.00	Median	Removal	1	
525+00.00	Median	Installation	1	
525+00.00	Median	Maintenance	1	
525+00.00	Median	Removal	1	
525+06.00	Median	Installation	1	
525+06.00	Median	Maintenance	1	
525+06.00	Median	Removal	1	
525+13.00	Median	Installation	1	
525+13.00	Median	Maintenance	1	
525+13.00	Median	Removal	1	
528+71.00	Median	Installation	1	
528+71.00	Median	Maintenance	1	
528+71.00	Median	Removal	1	
530+90.00	Median	Installation	1	
530+90.00	Median	Maintenance	1	
530+90.00	Median	Removal	1	

Installation Total	12
Maintenance Total	12
Removal Total	12

100_17
8/15/22

TABULATION OF SILT FENCES

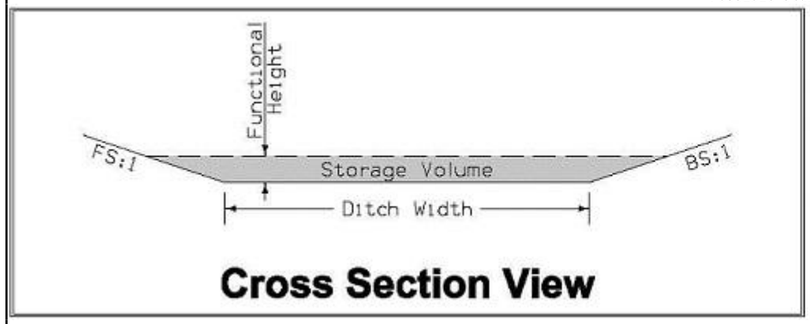
Refer to EC-201

Station From	Station To	Side	Length (FT)	Remarks
472+70.00	474+70.00	Left	200.00	
474+60.00	475+50.00	Left	90.00	
477+18.00	479+18.00	Left	200.00	
479+08.00	481+08.00	Left	200.00	
480+98.00	482+98.00	Left	200.00	
482+88.00	484+68.00	Left	180.00	
484+61.00	485+71.00	Left	110.00	
502+98.00	504+78.00	Left	180.00	
504+68.00	505+68.00	Left	100.00	
3651+30.00	3653+00.00	Right	170.00	Ramp C
476+56.00	478+56.00	Right	200.00	
478+46.00	480+46.00	Right	200.00	
480+36.00	481+67.00	Right	130.00	
482+96.00	484+26.00	Right	130.00	
484+16.00	485+66.00	Right	150.00	
		Total	2440.00	

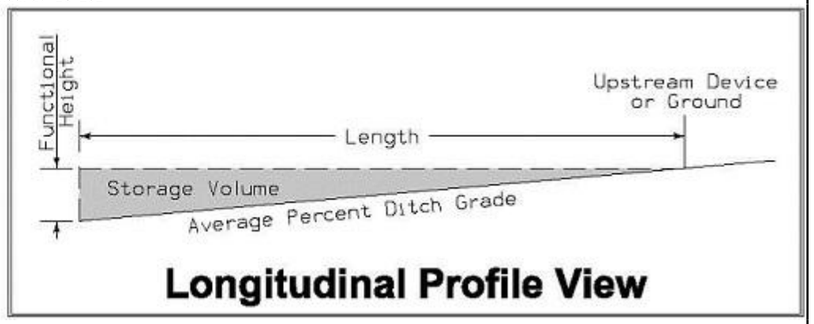
10/5/2026 9:02:16 AM nathan.pohlen@iowadot.us

SILT FENCES FOR DITCH CHECKS

Possible Standard: EC-201



Cross Section View



Longitudinal Profile View

* The functional height used in the volume equation is 85% of effective height. Effective height is 1.58 feet as shown on EC-201.
* Volume equation: [0.5*Spacing*(0.5*H^2*FS+DW*H+0.5*H^2*BS)]

Basin No.	Type	Station	Side	Installation (LF)	Maintenance (LF)	Removal (LF)	Foreslope (FS:1)	Backslope (BS:1)	Ditch Width (FT)	Avg. % Slope Ditch Grade	Volume (CF)	Remarks
8	Type 1	531+55.00	Right	23.0	2.3	23.0	3.5	3.0	10.0	2.6	482.25	
8	Type 1	532+05.00	Right	23.0	2.3	23.0	3.5	3.0	10.0	2.6	482.25	
8	Type 1	533+50.00	Right	23.0	2.3	23.0	3.5	3.0	10.0	0.4	3038.17	
10	Type 1	534+50.00	Right	23.0	2.3	23.0	3.5	3.0	10.0	1.7	723.38	
10	Type 1	535+25.00	Right	23.0	2.3	23.0	3.5	3.0	10.0	2.5	578.70	
			Total	115.0	11.5	115.0						

100_19
10/15/24

PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE

Possible Standards: EC-204

Station From	Station To	Side	Sediment Control Device Type	Diameter Size	Length (LF)	Remarks
476+56.00		Right	Perimeter and Slope	12 inch	40.00	Inlet Protection
525+63.00	529+49.00	Left	Perimeter and Slope	12 inch	390.00	
530+04.00	551+54.00	Left	Perimeter and Slope	12 inch	2150.00	
489+23.00	501+37.00	Right	Perimeter and Slope	12 inch	1230.00	
501+78.00	506+10.00	Left	Perimeter and Slope	12 inch	460.00	
501+96.00	509+05.00	Right	Perimeter and Slope	12 inch	790.00	
521+39.00	524+19.00	Right	Perimeter and Slope	12 inch	330.00	
524+88.00	529+29.00	Right	Perimeter and Slope	12 inch	550.00	
531+27.00	533+34.00	Right	Perimeter and Slope	12 inch	210.00	
				Total	6150.00	

10/5/2026 9:02:16 AM nathan.pohlen@iowadot.us

100_22

8/15/22

ROLLED EROSION CONTROL

Refer to EC-101, EC-103 and EC-104.

Road Identification	Station From	Station To	Side	Length (FT)	Width (FT)	TRM Type (EC-104)	TRM Quantity (Squares)	Slope Protection (EC-103) (Squares)	Special Ditch Control (EC-101) (Squares)	Remarks
US 59	536+00.00	549+65.00	Right	1365.0	25.3	Type 3	345.0			
					Total		345			

100_23
8/15/22

ROCK EROSION CONTROL

Refer to EC-301 and Detail 570-8

Road Identification	Station From	Station To	Side	Length (FT)	Width (FT)	Rock Erosion Control Type	Engineering Fabric (SY)	Class E Revetment (TON)	Erosion Stone (TON)	Remarks
US 59	472+69.00		Right	13.00	13.0	Type 4 - Rock Splash Basin	32.2		20.100	
US 59	475+87.00		Right	11.50	11.5	Type 4 - Rock Splash Basin	26.7		15.700	
US 59	508+52.00		Left	10.50	10.5	Type 4 - Rock Splash Basin	23.4		13.100	
						Total	82.3		48.9	

10/5/2026 9:02:16 AM nathan.pohlen@iowadot.us

STORMWATER DRAINAGE BASIN

Refer to EC Standards and 570s Details.

Basin No.	Station From	Station To	Side	Discharge Station	Discharge Direction	Total Disturbed Area (ACRES)	Disturbed Area with Storage Provided (ACRES)	Disturbed Area without Storage Provided (ACRES)	Best Management Practice	Total Storage Volume Provided (CF)	Total Storage Volume Required (CF)	Storage Volume Met	Remarks
1	467+35.00	501+62.00	Left	467+35.00	SW	5.3	5.3				19080.0	No	
2	466+50.00	501+62.00	Right	466+50.00	SW	4.7	4.7				16920.0	No	
3	501+62.00	510+20.00	Left	509+27.00	NW	1.6	1.6				5760.0	No	
4	501+62.00	509+30.00	Right	509+10.00	NE	1.4	1.4				5040.0	No	
5	509+60.00	511+54.00	Left	511+54.00	N	0.4	0.4				1440.0	No	
6	508+67.00	511+54.00	Right	511+54.00	N	0.7	0.7				2520.0	No	
7	515+24.00	519+60.00	Left	517+16.00	W	1.5	1.5				5400.0	No	
8	515+17.00	534+03.00	Right	525+00.00	SW	5.9	5.9		Silt Fence for Ditch Check (EC-201)	4003.10	21240.0	No	
9	529+74.00	556+31.00	Left	556+31.00	N	3.6	3.6				12960.0	No	
10	534+03.00	555+37.00	Right	555+37.00	N	2.7	2.7		Silt Fence for Ditch Check (EC-201)	1302.20	9720.0	No	

POLLUTION PREVENTION PLAN

This project is regulated by the requirements of the Iowa Department of Natural Resources (DNR) National Pollutant Discharge Elimination System (NPDES) General Permit No. 2 OR an Iowa Department of Natural Resources (DNR) National Pollutant Discharge Elimination System (NPDES) individual storm water permit. The Contractor shall carry out the terms and conditions of this permit and the Pollution Prevention Plan (PPP).
This Base PPP includes information on Roles and Responsibilities, Project Site Description, Controls, Maintenance Procedures, Inspection Requirements, Non-Storm Water Controls, Potential Sources of Off Right-of-Way Pollution, and Definitions. This plan references other documents rather than repeating the information contained in the documents. A copy of this Base Pollution Prevention Plan, amended as needed during construction, will be readily available for review.
All contractors shall conduct their operations in a manner that controls pollutants, minimizes erosion, and prevents sediments from entering waters of the state and leaving the highway right-of-way. The Contractor shall be responsible for compliance and implementation of the PPP for their entire contract. This responsibility shall be further shared with subcontractors whose work is a source of potential pollution as defined in this PPP.

I. ROLES AND RESPONSIBILITES

A. Designer:
1. Prepares Base PPP included in the project plan.
2. Prepares Notice of Intent (NOI) submitted to Iowa DNR.
3. Is signature authority on the Base PPP. If consultant designed, signature from Contracting Authority is also required.

B. Contractor:
1. Signs a co-permittee certification statement adhering to the requirements of the NPDES permit and this PPP. All co-permittees are legally required under the Clean Water Act and the Iowa Administrative Code to ensure compliance with the terms and conditions of this PPP.
2. Designates a Water Pollution Control Manager (WPCM), who has the duties and responsibilities as defined in Section 2602 of the Standard Specifications.
3. Submits an Erosion Control Implementation Plan (ECIP) and ECIP updates according to Section 2602 of the Standard Specifications.
4. Installs and maintains appropriate controls. This work may be subcontracted as documented through Subcontractor Request Forms (Form 830231).
5. Supervises and implements good housekeeping practices according to Paragraph III, C, 2.
6. Conducts joint required inspections of the site with inspection staff. When Contractor is not mobilized on site, Contractor may delegate this responsibility to a trained or certified subcontractor. Contracting Authority also may waive joint inspection requirement during winter shutdown. In both circumstances, WPCM (or trained or certified delegate from the Contractor) is still responsible to review and sign inspection reports.
7. Complies with training and certification requirements of Section 2602 of the Standard Specifications.
8. Submits amended PPP site map according to Section 2602 of the Standard Specifications.

C. Subcontractors:
1. Sign a co-permittee certification statement adhering to the requirements of the NPDES permit and this PPP if: responsible for sediment or erosion controls; involved in land disturbing activities; or perorming work that is a source of potential pollution as defined in this PPP. Subcontracted work items are identified in Subcontractor Request Forms (Form 830231). All co-permittees are legally required under the Clean Water Act and the Iowa Administrative Code to ensure compliance with the terms and conditions of this PPP.
2. Implement good housekeeping practices according to Paragraph III, C, 2.

D. RCE/Project Engineer:
1. Is Project Storm Water Manager.
2. On projects where DOT is the Contracting Authority, is current with erosion control training or certification.
3. Takes actions necessary to ensure compliance with storm water requirements including, where appropriate, issuing stop work orders, and directing additional inspections at construction project sites that are experiencing problems with achieving permit compliance.
4. Orders the taking of measures to cease, correct, prevent, or minimize the consequences of non-compliance with the storm water requirements of the Applicable Permit.
5. Supervises all work necessary to meet storm water requirements at the Project, including work performed by contractors and subcontractors.
6. Requires employees, contractors, and subcontractors to take appropriate responsive action to comply with storm water requirements, including requiring any such person to cease or correct a violation of storm water requirements, and to order or recommend such other actions as necessary to meet storm water requirements.
7. Is familiar with the Project PPP and storm water site map.
8. On projects where DOT is Contracting Authority, is responsible for periodically monitoring inspection reports to determine whether deficiencies identified in inspection reports were adequately and timely addressed, and if not, has the authority and responsibility to direct immediate actions to correct the deficiencies.
9. Is the point of contact for the Project for regulatory officials, Inspector, contractors, and subcontractors regarding storm water requirements.
10. Is signature authority on Notice of Discontinuation.
11. Maintains an up-to-date record of contractors, subcontractors, and subcontracted work items through Subcontractor Request Forms (Form 830231).
12. Makes information to determine permit compliance available to the DNR upon their request.

E. Inspector:
1. Updates PPP through fieldbook entries and storm water site inspection reports if there is a change in design, construction, operation, or maintenance which has a significant effect on the discharge of pollutants from the project.
2. Makes information to determine permit compliance available to the DNR upon their request.
3. Conducts joint required inspections of the site with the contractor/subcontractor.
4. Completes an inspection report after each inspection.
5. Is signature authority on storm water inspection reports.

II. PROJECT SITE DESCRIPTION

A. This Pollution Prevention Plan (PPP) is for Pave and Grade in Pottawattamie County.
B. This PPP covers approximately 63.3 acres with an estimated 23.3 acres being disturbed. The portion of the PPP covered by this contract has *23.3 acres disturbed.
C. The PPP is located in an area of Marshall - Shelby soil association.
The estimated weighted average runoff coefficient number for this PPP after completion will be 0.42.

110_12
1/13/23

POLLUTION PREVENTION PLAN

D. Storm Water Site Map is located in the R sheets. Proposed slopes are shown in cross sections, details, or standard road plans. Supplemental information is located in the Tabulations in the C or CE sheets.
E. The base storm water site map is amended by contract modifications and progress payments (fieldbook entries) of completed erosion control work. Also, due to project phasing, erosion and sediment controls shown on project plans may not be installed until needed, based on site conditions. For example, silt fence ditch checks will typically not be installed until the ditch has been installed. Installed locations may also be modified from tabulation locations by field staff. Installed locations will be documented by fieldbook entries and amended PPP site map.
F. Runoff from this work will flow into Drainage Ditches and Waterways to the West Branch East Nishnabotna River.

III. CONTROLS

A. The Contractor’s ECIP specified in Article 2602.03 of the Standard Specifications for accomplishment of storm water controls should clearly describe the intended sequence of major activities, and for each activity define the control measure and the timing during the construction process that the measure will be implemented.
B. Preserve vegetation in areas not needed for construction.
C. Sections 2601 and 2602 of the Standard Specifications define requirements to implement erosion and sediment control measures. Actual quantities used and installed locations may vary from the Base PPP and amendment of the plan will be documented via fieldbook entries, amended PPP site map, or by contract modification. Additional erosion and sediment control items may be required as determined by the inspector and/or contractor during storm water site inspections. If the work involved is not applicable to any contract items, the work will be paid for according to Article 1109.03 paragraph B of the Standard Specifications.
1. EROSION AND SEDIMENT CONTROLS
a. Stabilization Practices
1) Site plans will ensure that existing vegetation or natural buffers are preserved where attainable and disturbed portions of the site will be stabilized.
2) Initialize stabilization of disturbed areas immediately after clearing, grading, excavating, or other earth disturbing activities have:
a) Permanently ceased on any portion of the site, or
b) Temporarily ceased on any portion of the site and will not resume for a period exceeding 14 calendar days.
3) Staged permanent and/or temporary stabilizing seeding and mulching shall be completed as the disturbed areas are completed. Incomplete areas shall be stabilized according to paragraph III, C, 1, a, 2, b above.
4) Permanent and Temporary Stabilization practices to be used for this project are located in the storm water site map, Estimated Project Quantities (100-0A, 100-1A, or 100-1C), and Estimate Reference Information (100-4A) located in the C or R sheets. Typical drawings detailing construction of the practices to be used on this project are referenced in the Standard Road Plans Tabulation (105-4) in the C or R sheets.
5) Preservation of existing vegetation within right-of-way or easements will act as vegetative buffer strips.
6) Preservation of topsoil: Bid items to be used for this project are located in the Estimated Project Quantities (100-0A, 100-1A, or 100-1C) and Estimate Reference Information (100-4A) located in the C or R sheets. Additional information may be found in the Tabulations in the C or T Tabulation sheets, or is referenced in Section 2105 of the Standard Specifications.
b. Structural Practices
1) Structural practices will be implemented to divert flows from exposed soils and detain or otherwise limit runoff and the discharge of pollutants from exposed areas of the site. Additionally, structural practices may include: silt basins that provide 3600 cubic feet of storage per acre drained or equivalent sediment controls, outlet structures that withdraw water from surface when discharging basins, and controls to direct storm water to vegetated areas.
2) Structural practices to be used for this project are located in the storm water site map, Estimated Project Quantities (100-0A, 100-1A, or 100-1C), and Estimate Reference Information (100-4A) located in the C or R sheets, as well as all other item specific Tabulations. Typical drawings detailing construction of the devices to be used on this project can be found on the B or R sheets or are referenced in the Standard Road Plans Tabulation (105-4) located in the C or R sheets.
c. Storm Water Management
Measures shall be installed during the construction process to control pollutants in storm water discharges that will occur after construction operations have been completed. This may include velocity dissipation devices at discharge locations and along length of outfall channel as necessary to provide a non-erosion velocity flow from structure to water course. If included with this project, these items are located in the storm water site map and Estimated Project Quantities (100-0A, 100-1A, or 100-1C) and Estimate Reference Information (100-4A) located in the C or R sheets, as well as all other item specific Tabulations. Typical drawings detailing construction of the practices to be used on this project are referenced in the Standard Road Plans Tabulation. The installation of these devices may be subject to Section 404 of the Clean Water Act.
2. OTHER CONTROLS
Contractor disposal of unused construction materials and construction material wastes shall comply with applicable state and local waste disposal, sanitary sewer, or septic system regulations. In the event of a conflict with other governmental laws, rules and regulations, the more restrictive laws, rules or regulations shall apply.
a. Vehicle Entrances and Exits - Construct and maintain entrances and exits to prevent tracking of sediments onto roadways.
b. Material Delivery, Storage and Use - Implement practices to prevent discharge of construction materials during delivery, storage, and use.
c. Stockpile Management - Install controls to reduce or eliminate pollution of storm water from stockpiles of soil and paving.
d. Waste Disposal - Do not discharge any materials, including building materials, into waters of the state, except as authorized by a Section 404 permit.
e. Spill Prevention and Control - Implement chemical spill and leak prevention and response procedures to contain and clean up spills and prevent material discharges to the storm drain system and waters of the state.
f. Concrete Residuals and Washout Wastes - Waste shall not be discharged to a surface water and is not allowed to adversely affect a water of the state. Designate temporary concrete washout facilities for rinsing out concrete trucks. Provide directions to truck drivers where designated washout facilities are located. Designated washout areas should be located at least 50 feet away from storm drains, streams or other water bodies. Care should be taken to ensure these facilities do not overflow during storm events.
g. Concrete Grooving/Grinding Slurry – Do not discharge slurry to a waterbody or storm drain. Slurry may be applied on foreslopes or removed from the project.
h. Vehicle and Equipment Storage and Maintenance Areas - Perform on site fueling and maintenance in accordance with all environment laws such as proper storage of onsite fuels and proper disposal of used engine oil or other fluids on site.

POLLUTION PREVENTION PLAN

Employ washing practices that prevent contamination of surface and ground water from wash water. Wash waters must be treated in a sediment basin or alternative control that provides equivalent or better treatment prior to discharge.

i. Litter Management - Ensure employees properly dispose of litter. Minimize exposure of trash if exposure to precipitation or storm water would result in a discharge of pollutants.

j. Dewatering – Properly treat water to remove suspended sediment before it re-enters a waterbody or discharges off-site. Measures are also to be taken to prevent scour erosion at dewatering discharge point.

3. APPROVED STATE OR LOCAL PLANS
During the course of this construction, it is possible that situations will arise where unknown materials will be encountered. When such situations are encountered, they will be handled according to all federal, state, and local regulations in effect at the time.

IV. MAINTENANCE PROCEDURES
The Contractor is required to maintain all temporary erosion and sediment control measures in proper working order, including cleaning, repairing, or replacing them throughout the contract period. This shall begin when the features have lost 50% of their capacity.

V. INSPECTION REQUIREMENTS
A. Inspections shall be made jointly by the Contractor and the Contracting Authority's inspector at least once every seven calendar days. Storm water site inspections will include:
1. Date of the inspection.
2. Summary of the scope of the inspection.
3. Name and qualifications of the personnel making the inspection.
5. Review of erosion and sediment control measures within disturbed areas for the effectiveness in preventing impacts to receiving waters.
6. Major observations related to the implementation of the PPP.
7. Identification of corrective actions required to maintain or modify erosion and sediment control measures.

B. Include storm water site inspection reports in the Amended PPP. Incorporate any additional erosion and sediment control measures determined as a result of the inspection. Immediately begin corrective actions on all deficiencies found within 3 calendar days of the inspection and complete within 7 calendar days following the inspection. If it is determined that making the corrections less than 72 hours after the inspection is impracticable, it should be documented why it is impracticable and indicate an estimated date by which the corrections will be made.

VI. NON-STORM WATER DISCHARGES
This includes subsurface drains (i.e. longitudinal and standard subdrains) and slope drains. The velocity of the discharge from these features may be controlled by the use of headwalls or blocks, Class A stone, erosion stone or other appropriate materials. This also includes uncontaminated groundwater from dewatering operations, which will be controlled as discussed in Section III of the PPP.

VII. POTENTIAL SOURCES OF OFF RIGHT-OF-WAY (ROW) POLLUTION
Silts, sediment, and other forms of pollution may be transported onto highway right-of-way (ROW) as a result of a storm event. Potential sources of pollution located outside highway ROW are beyond the control of this PPP. Pollution within highway ROW will be conveyed and controlled per this PPP.

VIII. DEFINITIONS
A. Base PPP - Initial Pollution Prevention Plan.
B. Amended PPP - Base PPP amended during construction. May include Plan Revisions or Contract Modifications for new items, storm water site inspection reports, fieldbook entries made by the inspector, amended PPP site map by the Contractor, ECIP, NOI, co-permittee certifications, and Subcontractor Request Forms. Items amending the PPP are stored electronically and are readily available upon request.
C. Fieldbook Entries – This contains the inspector’s daily diary and bid item postings.
D. Controls - Methods, practices, or measures to minimize or prevent erosion, control sedimentation, control storm water, or minimize contaminants from other types of waste or materials. Also called Best Management Practices (BMPs).
E. Signature Authority - Representative authorized to sign various storm water documents.

CERTIFICATION STATEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Nathan Pohlen

Signature

Nathan J. Pohlen
Print Name

PLAN VIEW CELL LEGEND

CELL	Design Element
	Clearing & Grubbing

CELL LEGEND OF EROSION CONTROL

CELL	Design Element
	Temporary Sediment Control basin
	Erosion Control for Circular Intake or Manhole Well
6 FT	Erosion Control for Rectangular Intake or Manhole Well
12 FT	Grate Intake Sediment Filter Bag
	Silt Basin
18 FT	Silt Fence Tail
	Stormwater Drainage Basin Discharge Point
30 FT	

CELL LEGEND OF LANDSCAPING

CELL	Design Element	Plant Diameter
Overstory-#	Overstory Tree	30 FT
Evergreen-#	Evergreen Tree	18 FT
Understory-#	Understory Tree	12 FT
Shrub-# Shrub-#	Shrub	6 FT

PLAN VIEW PATTERN LEGEND

PATTERN	Design Element	PATTERN	Design Element
	Seeding and Fertilizing		Turf Reinforcement Mat Type 1
R	Seeding and Fertilizing (Rural)		Turf Reinforcement Mat Type 2
U	Seeding and Fertilizing (Urban)		Turf Reinforcement Mat Type 3
N	Native Grass Seeding		Turf Reinforcement Mat Type 4
ST	Salt Tolerant Seeding		Slope Protection, Wood Excelsior Mat
WL	Wetland Grass Seeding	TM	Transition Mat
WF	Wildflower Seeding		Rock Features, Permanent
SOD	Sodding		Rock Features, Temporary

PLAN VIEW COLOR LEGEND

LINEWORK	Design	Color No.	
Green	(2)		Existing Topographic Features and Labels
Blue	(1)		Proposed Alignment, Stationing, Tic Marks, and Annotation
Magenta	(5)		Existing Utilities
Black	(0)		Permanent Erosion Control Features
Blaze Orange	(222)		Temporary Erosion Control Features

SHADING	Design	Color No.		Transparency
Citron	(234)		Mulching, All Types	50%
Light Brown	(238)		Special Ditch Control, Wood Excelsior Mat	0%
Grass Green	(233)		8FT Mow Strip	50%

HATCHING	Design	Color No.	
Red	(3)		Delineates Restricted Areas
Yellow	(4)		Brush Clearing
Yellow	(4)		Clearing & Grubbing
Orange	(228)		Spray Area

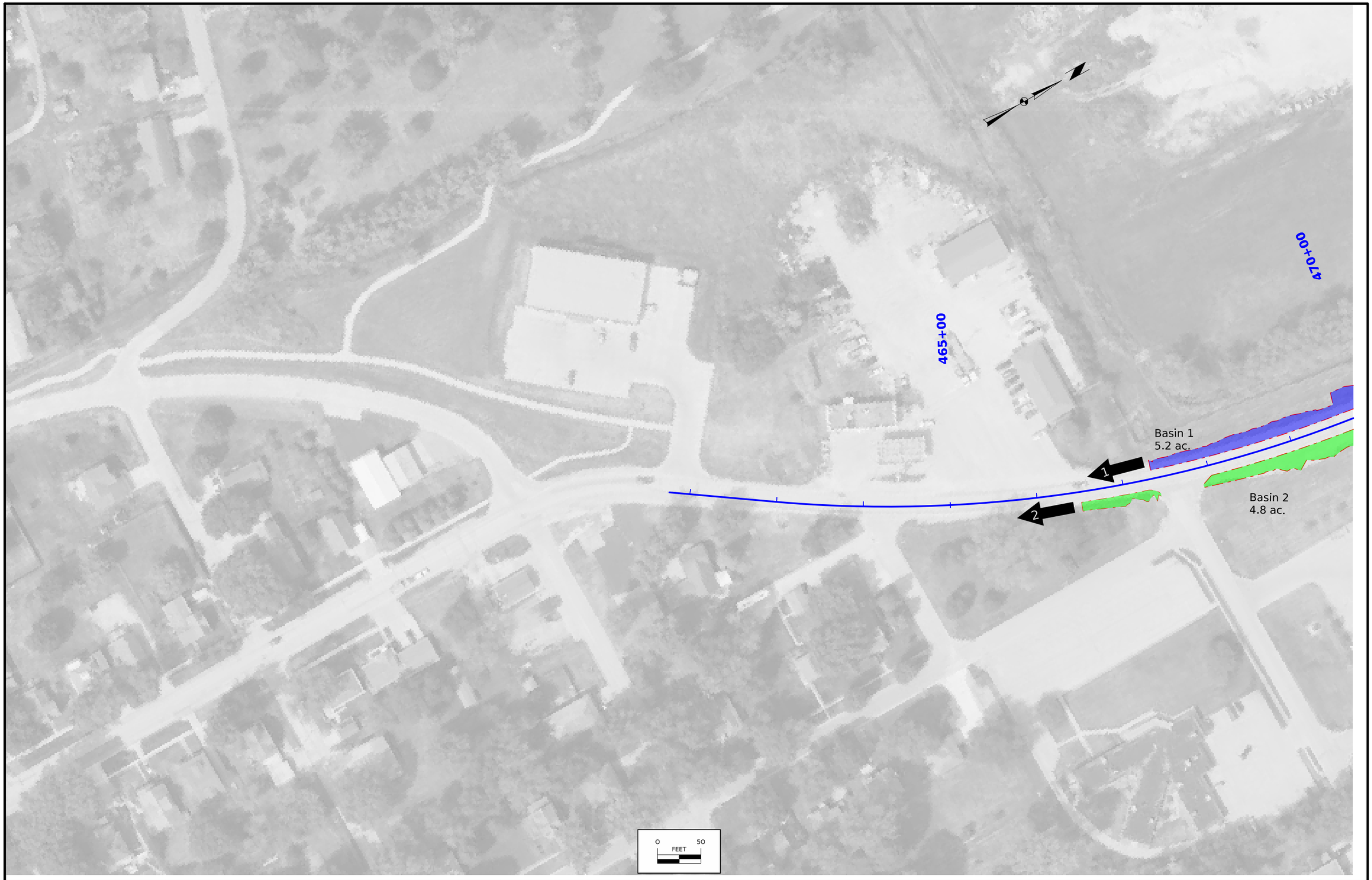
LINE STYLE LEGEND OF EROSION CONTROL SHEETS

LINESTYLE	Design Element
	Silt Fence
9	Perimeter and Slope Sediment Control Device (9")
12	Perimeter and Slope Sediment Control Device (12")
20	Perimeter and Slope Sediment Control Device (20")
	Open-Throat Curb Intake Sediment Filter
	Concentrated Flow
	Rock Check and Rock Check Dam
	Sheet Flow

LINE STYLE LEGEND OF LANDSCAPE SHEETS

LINESTYLE	Design Element
	Living Snow Fence Single Row
	Living Snow Fence Double Row
	Mechanical Edge

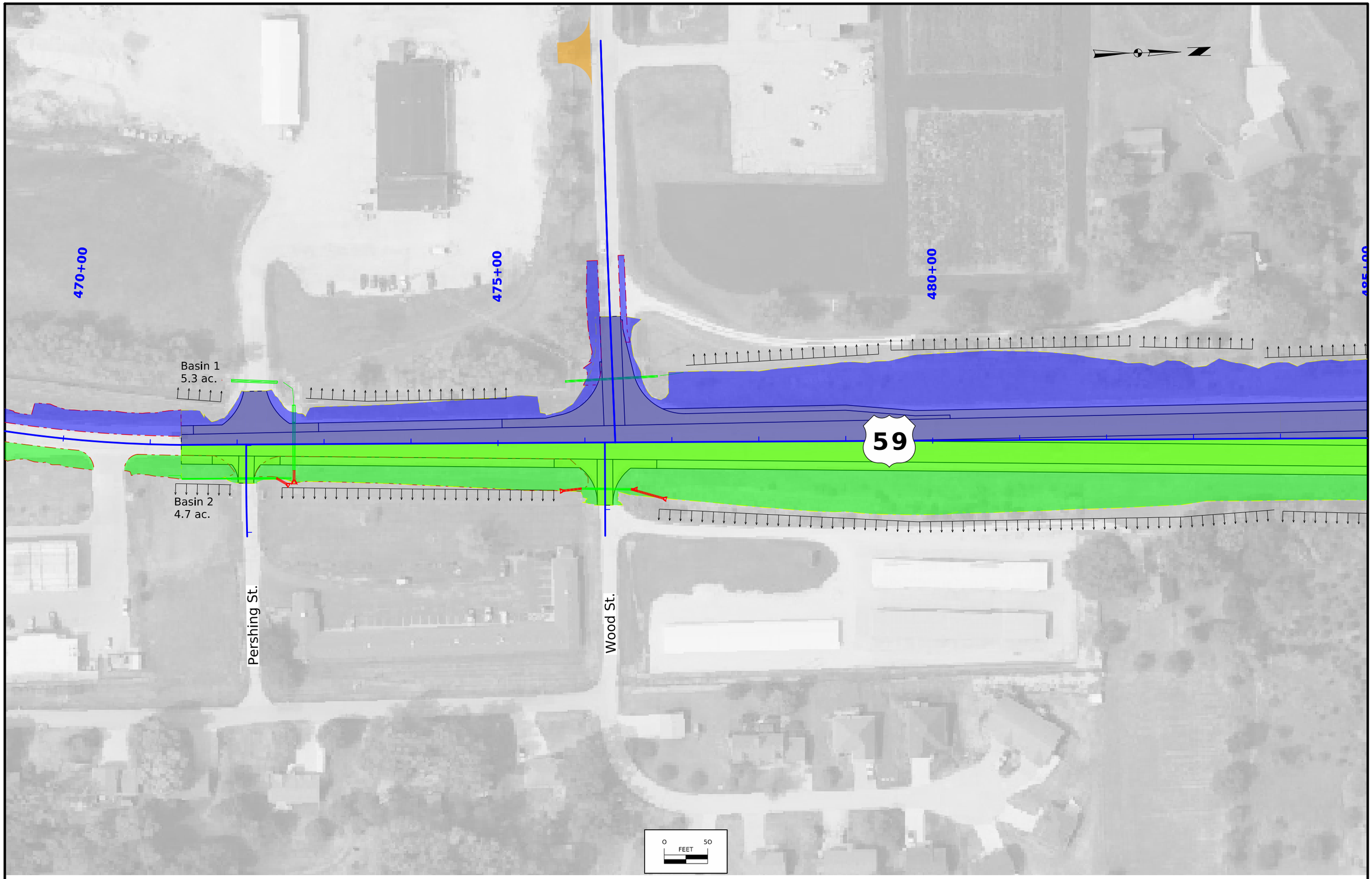
LEGEND AND SYMBOL INFORMATION SHEET



FILE NO.	ENGLISH	DESIGN TEAM Harris/Pohlen/McDonald	Pottawattamie COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER RR.2	

11:22:35 AM 8/19/2026 bmcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Roadside\78059056_Basins_SHT.dgn

© 2026 Microsoft Corporation © Maxar ©CNES (2026) Distribution Airbus DS © Mapbox



FILE NO.	ENGLISH	DESIGN TEAM Harris/Pohlen/McDonald	Pottawattamie COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER RR.3	

11:22:37 AM 8/19/2026 bmcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Roadside\78059056_Basins_SHT.dgn

© 2026 Microsoft Corporation © Maxar ©CNES (2026) Distribution Airbus DS © Mapbox

485+00

490+00

495+00

Basin 1
5.3 ac.

59

Basin 2
4.7 ac.

N Lavista Heigh

0 50
FEET

FILE NO.	ENGLISH	DESIGN TEAM Harris/Pohlen/McDonald	Pottawattamie COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER RR.4	

11:22:39 AM 8/19/2026 bmcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Roadside\78059056_Basins_SHT.dgn

© 2026 Microsoft Corporation © Maxar ©CNES (2026) Distribution Airbus DS © Mapbox

500+00

505+00

510+00

2650+00

Basin 1
5.3 ac.

Basin 2
4.7 ac.

Basin 3
1.6 ac.

Basin 4
1.4 ac.

Basin 5
0.4 ac.

Basin 6
0.7 ac.

Ramp B

Ramp D

3

4

5

6

59

4655+00

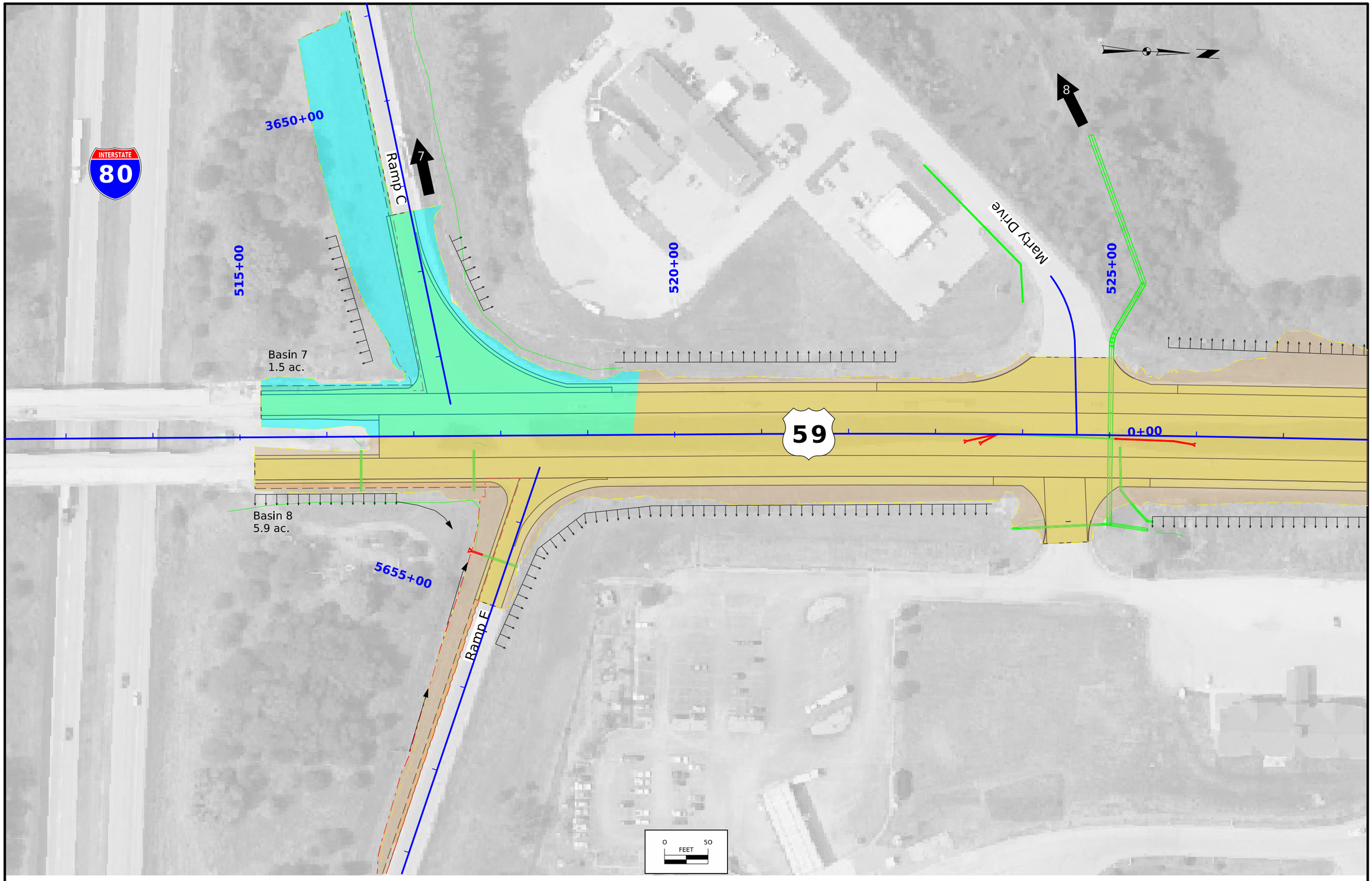
N Lavista Heights Rd

0 50
FEET

FILE NO.	ENGLISH	DESIGN TEAM Harris/Pohlen/McDonald	Pottawattamie COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER RR.5

11:22:41 AM 8/19/2026 bmcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Roadside\78059056_Basins_SHT.dgn

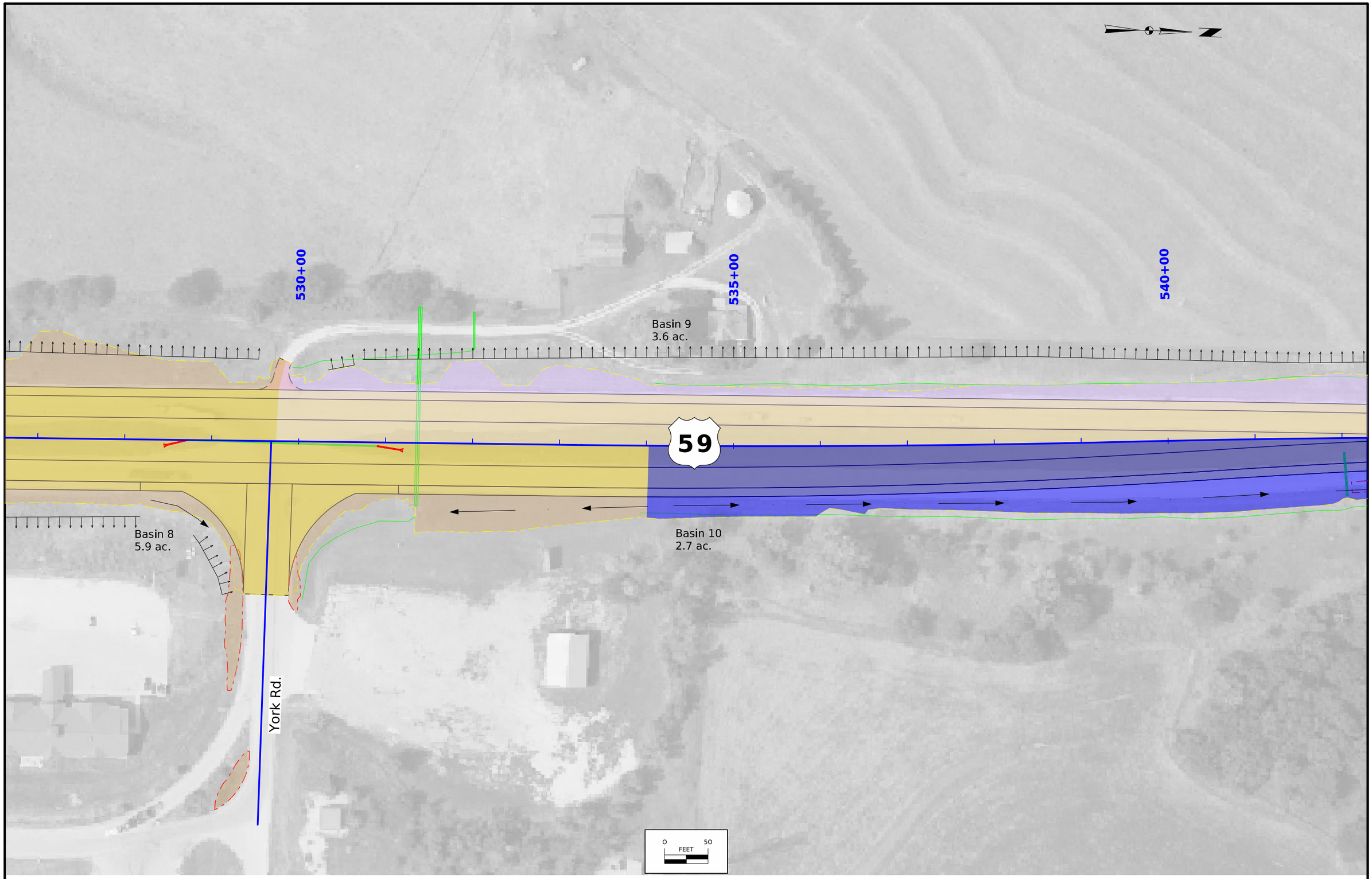
© 2026 Microsoft Corporation © Maxar ©CNES (2026) Distribution Airbus DS © Maxar



FILE NO.	ENGLISH	DESIGN TEAM Harris/Pohlen/McDonald	Pottawattamie COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER RR.6	

11:22:45 AM 8/19/2026 bmcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Roadside\78059056_Basins_SHT.dgn

© 2026 Microsoft Corporation © Maxar ©CNES (2026) Distribution Airbus DS © Mapbox



FILE NO.	ENGLISH	DESIGN TEAM Harris/Pohlen/McDonald	Pottawattamie COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER RR.7	

11:22:47 AM 8/19/2026 bmcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Roadside\78059056_Basins_SHT.dgn

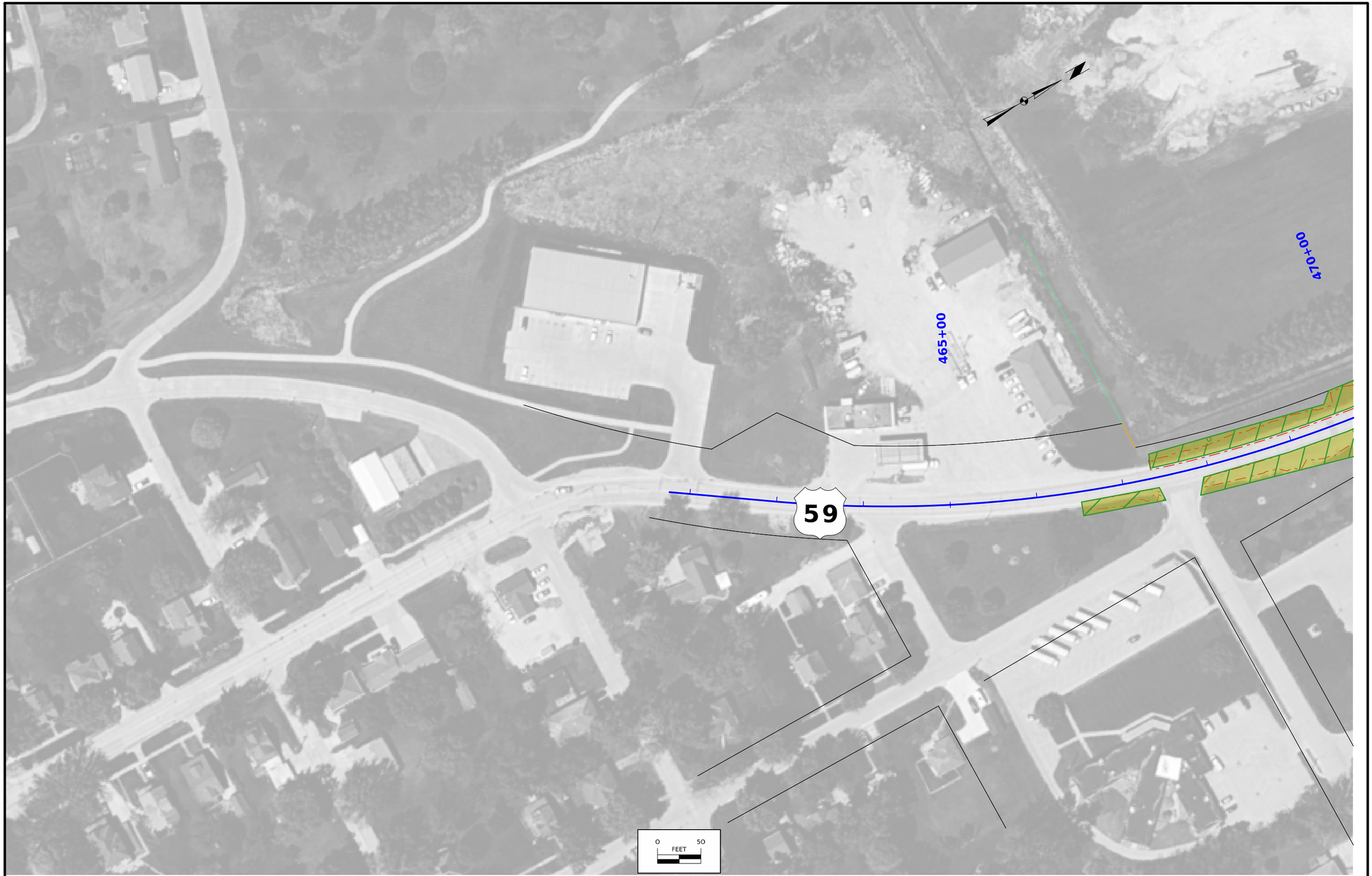
© 2026 Microsoft Corporation © Maxar ©CNES (2026) Distribution Airbus DS © Mapbox



FILE NO.	ENGLISH	DESIGN TEAM Harris/Pohlen/McDonald	Pottawattamie COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER RR.8	

11:22:49 AM 8/19/2026 bmcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Roadside\78059056_Basins_SHT.dgn

© 2026 Microsoft Corporation © Maxar ©CNES (2026) Distribution Airbus DS © Mapbox



FILE NO.	ENGLISH	DESIGN TEAM Harris/Pohlen/McDonald	Pottawattamie COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER RR.9	

10:41:34 AM 10/5/2026 bmcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Roadside\78059056_Siteplan_SHT.dgn

Imagery ©2026 Airbus, Maxar Technologies

470+00

475+00

2475+00

480+00

485+00

59

1473+00

Pershing St.

Wood St.

0 50
FEET

FILE NO.	ENGLISH	DESIGN TEAM Harris/Pohlen/McDonald	Pottawattamie COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER RR.10	

10:41:39 AM 10/5/2026 bmcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Roadside\78059056_SitePlan_SHT.dgn

Imagery ©2026 Airbus, Maxar Technologies

485+00

490+00

495+00

59

N Lavista Heigh

0 50
FEET

FILE NO.	ENGLISH	DESIGN TEAM Harris/Pohlen/McDonald	Pottawattamie COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER RR.11	

10:41:45 AM 10/5/2026 bmcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Roadside\78059056_Siteplan_SHT.dgn

Imagery ©2026 Airbus, Maxar Technologies

500+00

505+00

510+00

2650+00

4655+00

Ramp B

Ramp D

59

N Lavista Heights Rd

INTERST

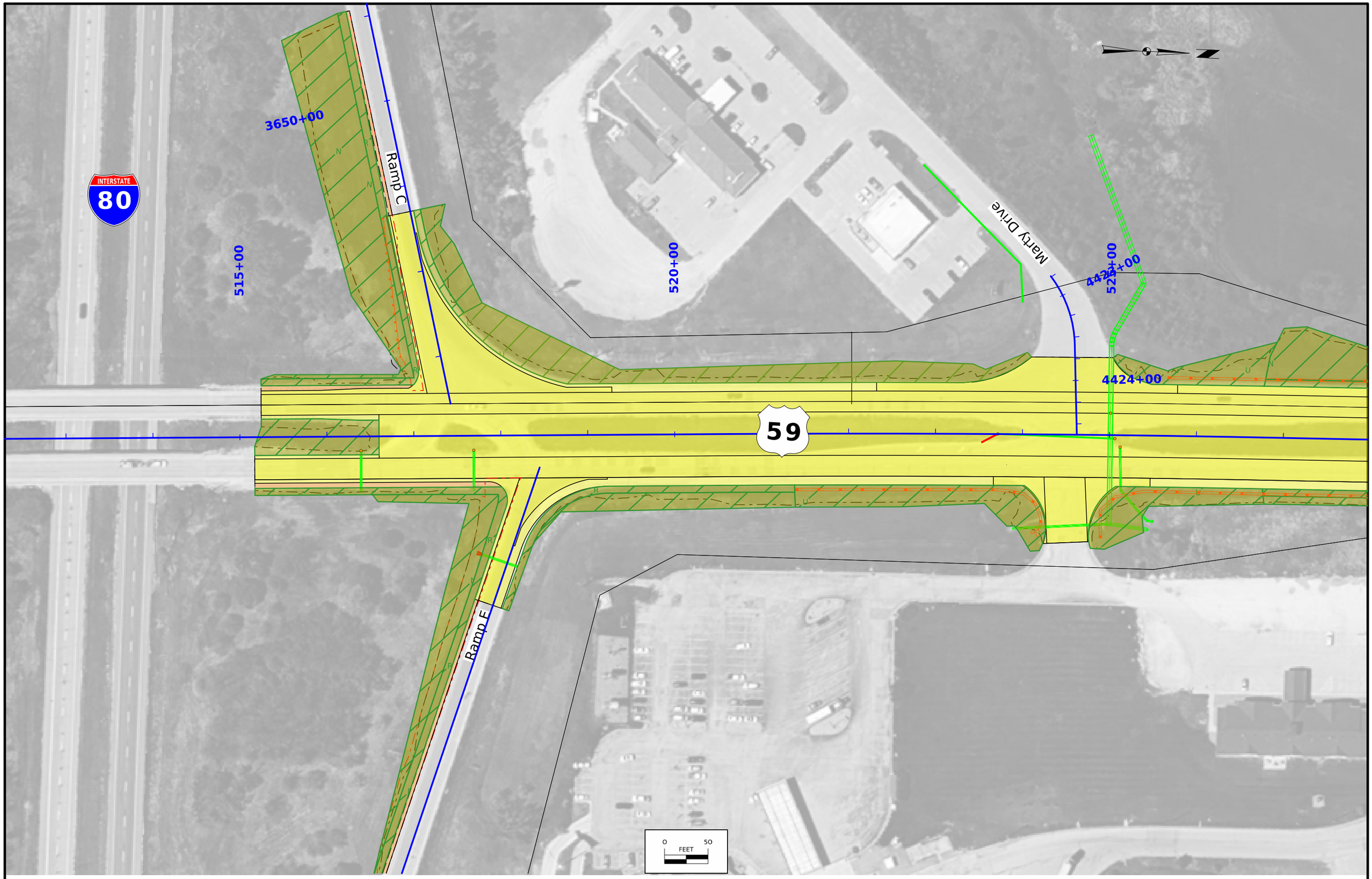
80

0 50
FEET

FILE NO.	ENGLISH	DESIGN TEAM Harris/Pohlen/McDonald	Pottawattamie COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER RR.12	

10:41:53 AM 10/5/2026 bmcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Roadside\78059056_Siteplan_SHT.dgn

Imagery ©2026 Airbus, Maxar Technologies



FILE NO.	ENGLISH	DESIGN TEAM Harris/Pohlen/McDonald	Pottawattamie COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER RR.13	

10:46:46 AM 10/5/2026 bmcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Roadside\78059056_Siteplan_SHT.dgn

Imagery ©2026 Airbus, Maxar Technologies

530+00

535+00

540+00

59

5530+00

5531+00

5532+00

5533+00

5534+00

York Rd.

0 FEET 50

FILE NO.	ENGLISH	DESIGN TEAM Harris/Pohlen/McDonald	Pottawattamie COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER RR.14	

10:42:02 AM 10/5/2026 bmcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Roadside\78059056_Siteplan_SHT.dgn

Imagery ©2026 Airbus, Maxar Technologies

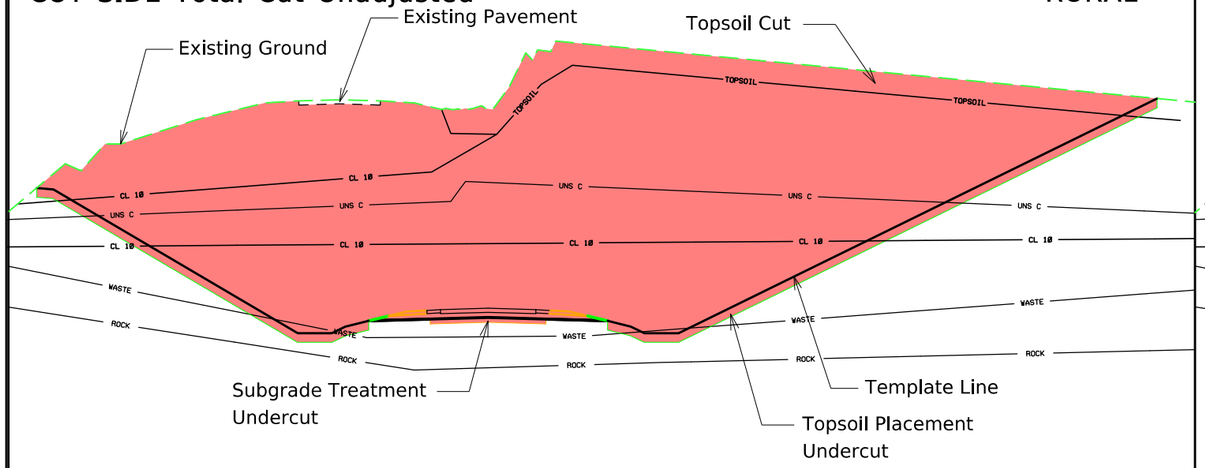


FILE NO.	ENGLISH	DESIGN TEAM Harris/Pohlen/McDonald	Pottawattamie COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER RR.15	

10:42:05 AM 10/5/2026 bmcdona pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Roadside\78059056_Siteplan_SHT.dgn

Imagery ©2026 Airbus, Maxar Technologies

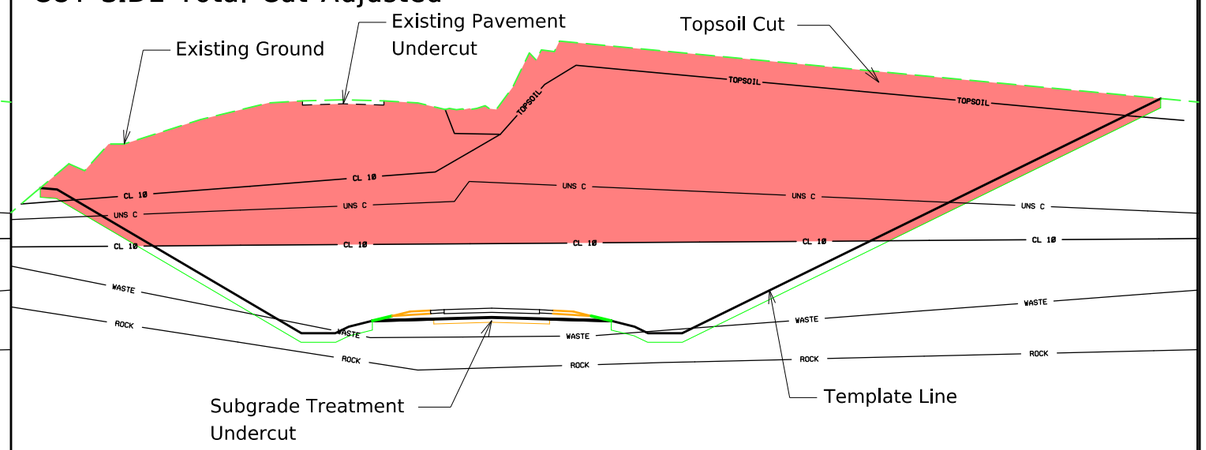
CUT SIDE Total Cut Unadjusted — RURAL



Notes:

1. "Total Cut Unadjusted" Column includes all cut values in the Station Range based on Typical, Topsoil and Subgrade Treatment needs.
2. "Total Cut Unadjusted" does not include and Existing Pavement values inside or outside the cut template as shown on cross sections.
3. Tabulated Plowing and Shaping operations are included in the "Total Cut Unadjusted" values.

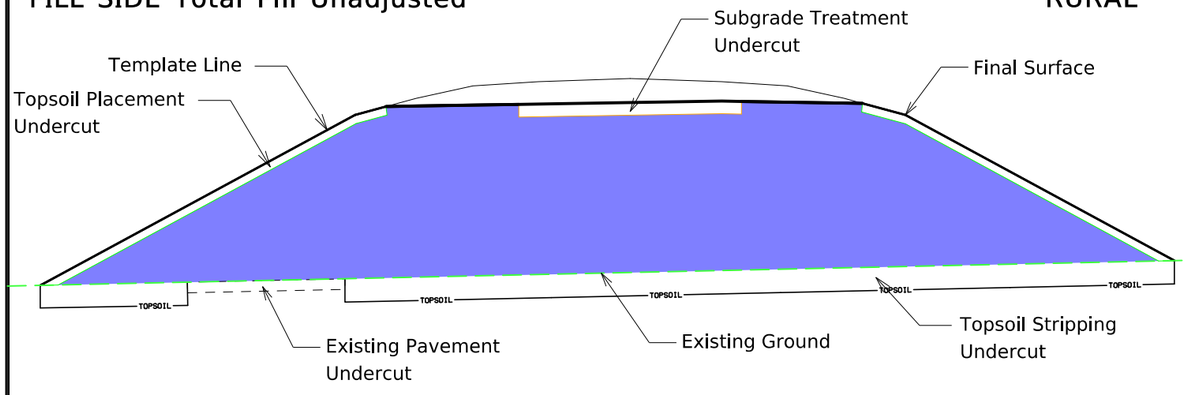
CUT SIDE Total Cut Adjusted



Notes:

1. "Total Cut Adjusted" Column includes all cut values usable as Class 10 material.
2. "Total Cut Adjusted" does not include and Existing Pavement , Existing Topsoil, or material to be wasted.

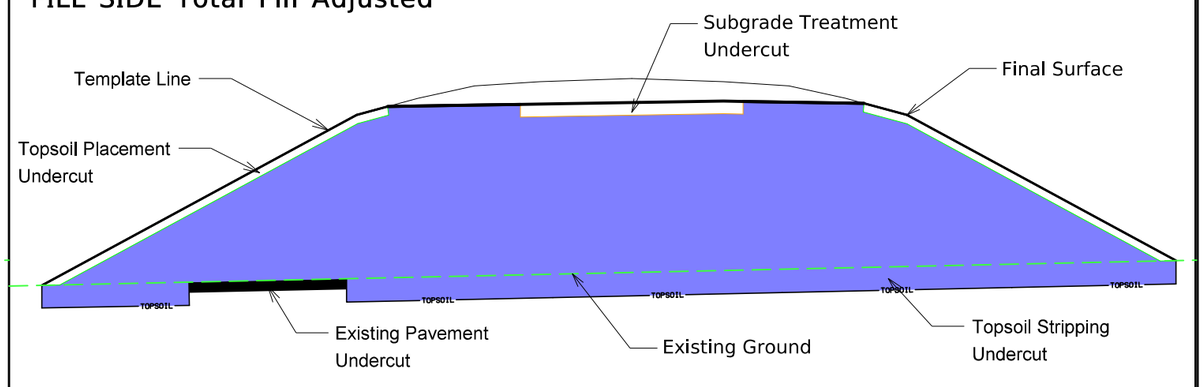
FILL SIDE Total Fill Unadjusted — RURAL



Notes:

1. "Total Fill Unadjusted" Column includes all Class 10, 12, and 13 fill. This excludes the topsoil, subgrade treatment, subbase, new pavement, and shoulder fill needs in that station range.
2. "Total Fill Unadjusted" Column does not include adjustments for additional fill from cuts such as existing pavement removed, plowing and shaping operations, entrances, dikes, or topsoil stripping.

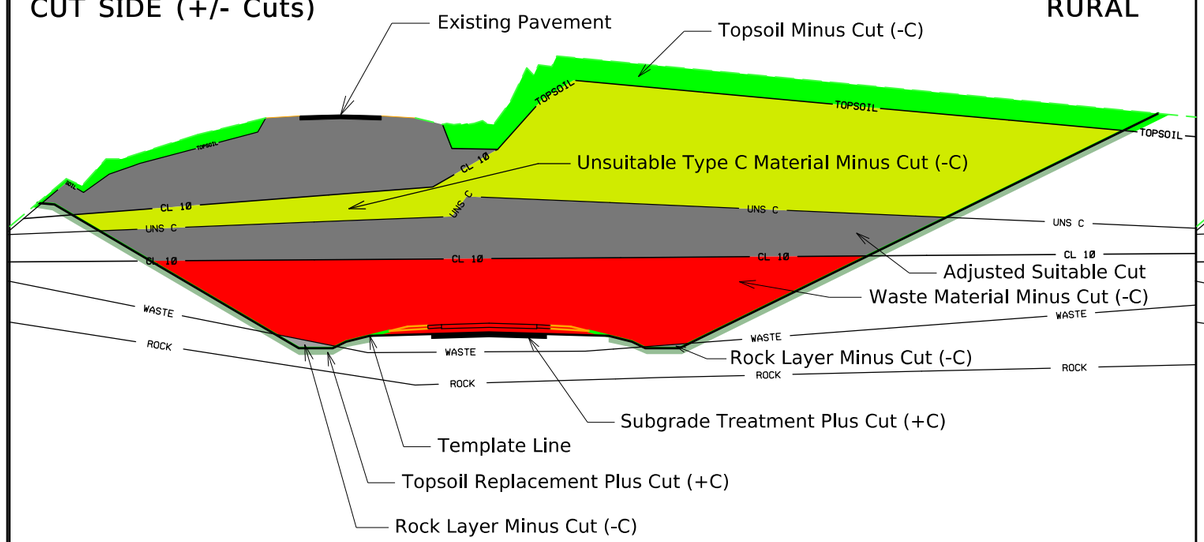
FILL SIDE Total Fill Adjusted



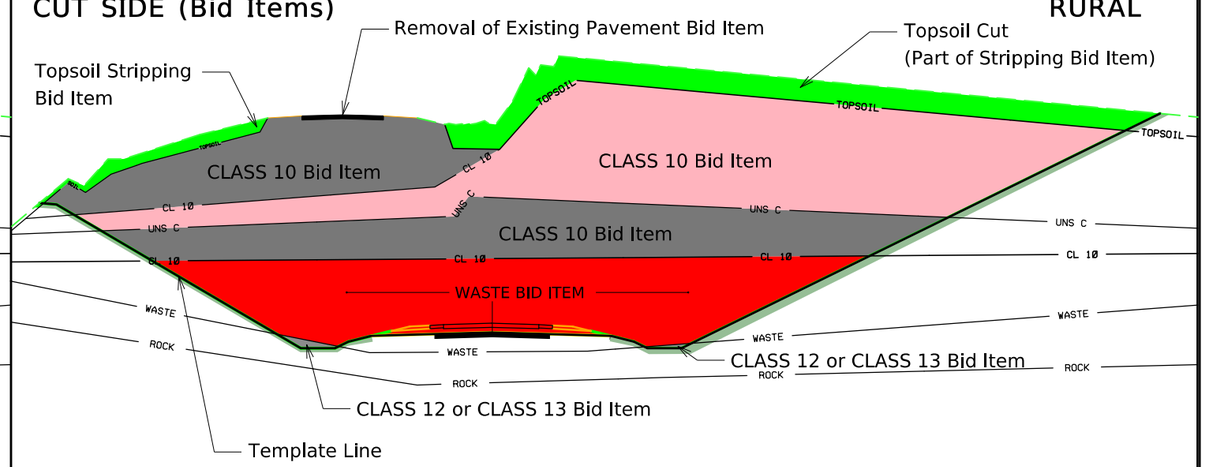
Notes:

1. "Total Fill Adjusted" Column includes all Class 10, 12, and 13 fill and adjustments for additional fill from cuts such as existing pavement, plowing and shaping operations, entrances, dikes, and topsoil stripping.
2. The available area to place unsuitable materials in the T Sheet tabulation does not include the undercut values from the topsoil stripping, existing pavement, or plowing and shaping

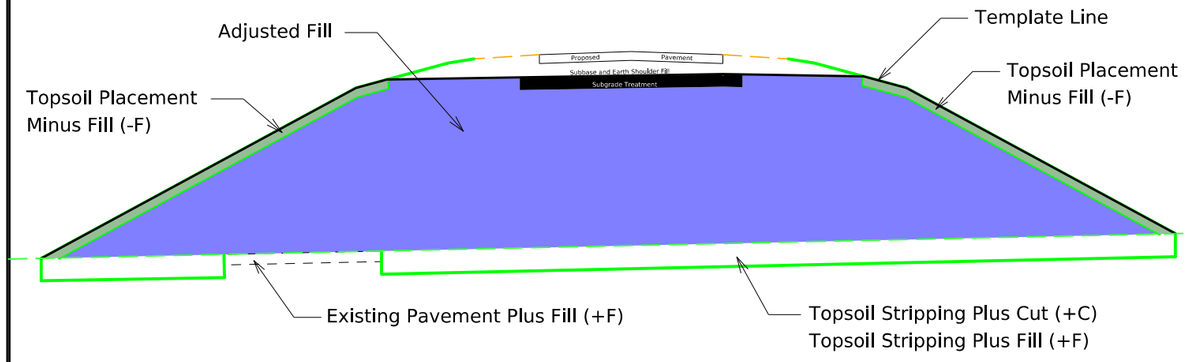
CUT SIDE (+/- Cuts) — RURAL



CUT SIDE (Bid Items) — RURAL



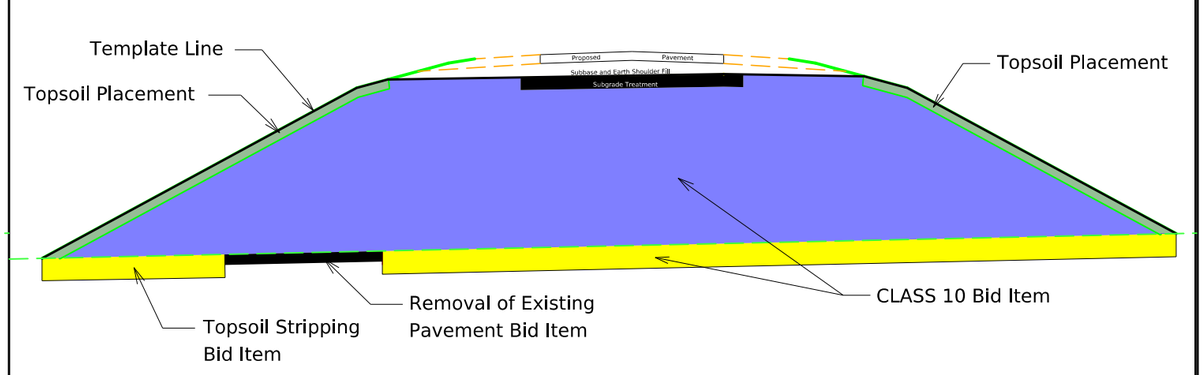
FILL SIDE (+/- Fills) — RURAL



Notes:

1. "Add Quantity +C" columns are additional cut encountered that is not Typical, Topsoil, or Subgrade Treatment Based. (Entrance, Dike, Etc.)
2. "-C" columns are either soil types or Class 10, 12, or 13 designated material that is encountered in the cut station range that is paid for by other bid items.
3. The "(SoilType) Cut" columns are soil types encountered in the cut that are paid by either Class 10, 12, or 13.
4. The "Adjusted Clas (10,12 or 13)" columns are the sum of all various soil types encountered in that station range, that are paid by Class 10, 12, or 13 bid items.
5. Refer to Standard Road Plan EW-102 for placement of unsuitable soil types.

FILL SIDE (Bid Items) — RURAL



Notes:

1. Refer to Standard Road Plan EW-102 for placement of unsuitable soil types.

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER T.2

4:30:31 PM 7/15/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\LGD_78059056Z06.dgn

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

Station	Cut					Fill				Checks (EW-102)		Topsoil										
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink							
Stage 1																						
DETML059_Sec1_STG1																						
466+51.94	9	5	5	0	5	1	1	1	4	0	0	5	0	0	5							
466+75.00	11	5	6	0	5	1	1	1	4	0	0	6	0	0	6							
467+00.00	12	6	6	0	6	0	0	0	6	0	0	6	0	0	6							
467+25.00	5	3	2	0	3	0	0	0	4	0	0	2	0	0	2							
467+40.71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
Proposed_Topsoil																						
DETML059_Sec1_STG1																						
Totals:	38	19	19	0	19	1	1	2	18	0	0	19	0	0	19							

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut					Fill				Checks (EW-102)		Topsoil										
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink							
DETML059_Sec2_STG1																						
467+92.25	2	2	0	0	2	0	0	0	2	0	0	0	0	0	0							
468+00.00	12	12	1	0	12	0	0	0	12	0	0	1	0	0	1							
468+25.00	14	14	0	0	14	0	0	0	14	0	0	0	0	0	1							
468+50.00	14	14	0	0	14	0	0	0	14	0	0	0	0	0	0							
468+75.00	17	15	2	0	15	0	0	0	15	0	0	2	0	0	2							
469+00.00	19	18	2	0	18	0	0	0	17	0	0	2	0	0	2							
469+25.00	17	17	0	0	17	0	0	0	17	0	0	0	0	0	0							
469+50.00	17	16	1	0	16	0	0	0	16	0	0	1	0	0	2							
469+75.00	18	13	5	0	13	0	0	0	13	0	0	5	0	0	5							
470+00.00	20	12	8	0	12	0	0	0	12	0	0	8	0	0	8							
470+25.00	5	4	1	0	4	0	0	0	4	0	0	1	0	0	1							
470+32.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
Proposed_Topsoil																						
DETML059_Sec2_STG1																						
Totals:	157	137	20	0	137	1	1	1	137	0	0	20	0	0	21							

FILE NO.		DESIGN TEAM	Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER	NHSX-059-3(056)--3H-78	SHEET NUMBER	T.4	

8/24/2026 1:17:56 PM cschins c:\pw_work\pwmain\idotcentral_cschins\d2549179\T03_78059056Z06.xlsm

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut					Fill				Checks (EW-102)		Topsoil										
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink							
DETML059_Sec3_STG1																						
470+69.97																						
470+75.00	3	3	0	0	3	0	0	0	3	0	0	0	0	0	0							
471+00.00	26	21	5	0	21	2	2	2	19	0	0	5	0	0	5							
471+25.00	20	10	11	0	10	7	7	10	0	0	0	11	0	0	11							
471+50.00	21	10	11	0	10	12	12	16	-6	0	0	11	0	0	11							
471+75.00	21	11	11	0	11	10	10	14	-3	0	0	11	0	0	11							
471+97.46	18	13	5	0	13	4	4	5	9	0	0	5	0	0	5							
Proposed_Topsoil	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
DETML059_Sec3_STG1																						
Totals:	111	69	43	0	69	36	36	47	23	0	0	43	0	0	43							

FILE NO.		DESIGN TEAM	Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER	NHSX-059-3(056)--3H-78	SHEET NUMBER	T.5	

8/24/2026 1:17:57 PM cschins c:\pw_work\pwmain\idotcentral_cschins\d2549179\T03_78059056Z06.xlsm

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut					Fill				Checks (EW-102)		Topsoil										
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink							
DETML059_Sec4_STG1																						
472+19.45	1	1	0	0	1	0	0	0	1	0	0	0	0	0	0							
472+25.00	16	10	6	0	10	2	2	3	7	0	0	6	0	0	6							
472+50.00	23	12	11	0	12	13	13	17	-5	0	0	11	0	0	11							
472+75.00	25	13	12	0	13	21	21	27	-14	0	0	12	0	0	12							
473+00.00	25	13	12	0	13	19	19	25	-12	0	0	12	0	0	12							
473+25.00	25	13	12	0	13	20	20	26	-13	0	0	12	0	0	12							
473+50.00	25	13	12	0	13	22	22	28	-15	0	0	12	0	0	12							
473+75.00	25	13	13	0	13	25	25	32	-19	0	0	13	0	0	13							
474+00.00	26	13	13	0	13	28	28	36	-23	0	0	13	0	0	13							
474+25.00	27	13	14	0	13	29	29	38	-24	0	0	14	0	0	14							
474+50.00	27	13	14	0	13	31	31	40	-27	0	0	14	0	0	14							
474+75.00	28	13	15	0	13	35	35	46	-33	0	0	15	0	0	15							
475+00.00	28	13	15	0	13	40	40	52	-39	0	0	15	0	0	16							
475+25.00	28	13	15	0	13	43	43	55	-43	0	0	15	0	0	16							
475+50.00	29	14	15	0	14	41	41	54	-40	0	0	15	0	0	15							
475+75.00	21	10	11	0	10	24	24	32	-21	0	0	11	0	0	11							
476+00.00	1	0	1	0	0	1	1	1	0	0	0	1	0	0	1							
476+03.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
Proposed_Topsoil																						
DETML059_Sec4_STG1																						
Totals:	382	192	191	0	192	392	392	510	-320	0	0	191	0	0	192							

FILE NO.		DESIGN TEAM	Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER	NHSX-059-3(056)--3H-78	SHEET NUMBER	T.6	

8/24/2026 1:17:57 PM cschins c:\pw_work\pwmain\idotcentral_cschins\d2549179\T03_78059056Z06.xlsm

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

	Cut					Fill				Checks (EW-102)		Topsoil										
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
Station	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink							
DETML059_Sec5_STG1																						
476+34.82																						
476+50.00	9	5	4	0	5	16	16	21	-16	0	0	4	0	0	4							
476+75.00	29	14	16	0	14	64	64	83	-70	0	0	16	0	0	16							
477+00.00	29	11	19	0	11	84	84	110	-99	0	0	19	0	0	19							
477+25.00	29	9	21	0	9	100	100	130	-121	0	0	21	0	0	21							
477+50.00	31	8	22	0	8	112	112	146	-138	0	0	22	0	0	22							
477+75.00	33	9	24	0	9	120	120	156	-147	0	0	24	0	0	24							
478+00.00	36	11	25	0	11	127	127	166	-155	0	0	25	0	0	25							
478+25.00	37	11	26	0	11	136	136	177	-166	0	0	26	0	0	26							
478+50.00	38	11	27	0	11	142	142	185	-174	0	0	27	0	0	27							
478+75.00	40	12	28	0	12	145	145	189	-178	0	0	28	0	0	28							
479+00.00	39	11	28	0	11	150	150	196	-185	0	0	28	0	0	28							
479+25.00	39	10	29	0	10	160	160	208	-198	0	0	29	0	0	29							
479+50.00	39	9	30	0	9	162	162	211	-202	0	0	30	0	0	30							
479+75.00	39	9	30	0	9	160	160	208	-198	0	0	30	0	0	30							
480+00.00	39	9	30	0	9	161	161	209	-200	0	0	30	0	0	30							
480+25.00	39	10	29	0	10	155	155	202	-192	0	0	29	0	0	30							
480+50.00	38	10	29	0	10	141	141	184	-174	0	0	29	0	0	29							
480+75.00	38	10	28	0	10	128	128	166	-157	0	0	28	0	0	28							
481+00.00	37	10	27	0	10	117	117	152	-142	0	0	27	0	0	27							
481+25.00	36	10	26	0	10	103	103	134	-124	0	0	26	0	0	27							
481+50.00	35	9	26	0	9	88	88	115	-106	0	0	26	0	0	26							
481+75.00	34	9	25	0	9	80	80	104	-95	0	0	25	0	0	25							
482+00.00	32	8	24	0	8	74	74	96	-88	0	0	24	0	0	24							
482+25.00	30	8	22	0	8	64	64	84	-76	0	0	22	0	0	22							
482+50.00	28	8	21	0	8	52	52	68	-60	0	0	21	0	0	21							
482+75.00	27	8	19	0	8	36	36	47	-40	0	0	19	0	0	19							
483+00.00	17	8	9	0	8	14	14	18	-10	0	0	9	0	0	9							
483+25.00	8	8	0	0	8	0	0	0	8	0	0	0	0	0	0							
483+50.00	7	7	0	0	7	0	0	0	7	0	0	0	0	0	0							
483+75.00	7	7	0	0	7	0	0	0	7	0	0	0	0	0	0							
484+00.00	6	6	0	0	6	0	0	0	6	0	0	0	0	0	0							
484+25.00	5	5	0	0	5	0	0	0	5	0	0	0	0	0	0							
484+50.00	4	4	0	0	4	0	0	0	4	0	0	0	0	0	0							
484+65.23	2	2	0	0	2	0	0	0	2	0	0	0	0	0	0							
Proposed_Topsoil	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
DETML059_Sec5_STG1																						
Totals:	936	291	645	0	291	2,893	2,893	3,762	-3,473	0	0	645	0	0	646							

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

	Cut					Fill				Checks (EW-102)		Topsoil										
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
Station	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink							
DETML059_Sec6_STG1																						
542+10.47	3	3	0	0	3	0	0	0	2	0	0	0	0	0	1							
542+25.00	10	9	2	0	9	1	1	1	8	0	0	2	0	0	2							
542+50.00	11	9	2	0	9	1	1	1	8	0	0	2	0	0	2							
542+75.00	12	10	2	0	10	1	1	1	9	0	0	2	0	0	2							
543+00.00	14	11	2	0	11	1	1	1	10	0	0	2	0	0	2							
543+25.00	14	12	2	0	12	1	1	1	11	0	0	2	0	0	2							
543+50.00	13	11	2	0	11	1	1	1	10	0	0	2	0	0	2							
543+75.00	12	10	2	0	10	1	1	1	9	0	0	2	0	0	2							
544+00.00	11	10	2	0	10	1	1	1	9	0	0	2	0	0	2							
544+25.00	11	10	2	0	10	1	1	1	9	0	0	2	0	0	2							
544+50.00	11	10	2	0	10	1	1	1	9	0	0	2	0	0	2							
544+75.00	12	10	1	0	10	1	1	1	9	0	0	1	0	0	1							
545+00.00	12	11	1	0	11	1	1	1	10	0	0	1	0	0	1							
545+25.00	13	11	2	0	11	1	1	1	10	0	0	2	0	0	2							
545+50.00	13	12	2	0	12	1	1	1	11	0	0	2	0	0	2							
545+75.00	15	13	2	0	13	1	1	1	12	0	0	2	0	0	2							
546+00.00	16	14	2	0	14	1	1	1	13	0	0	2	0	0	2							
546+25.00	15	13	2	0	13	1	1	1	12	0	0	2	0	0	2							
546+50.00	15	13	2	0	13	1	1	1	12	0	0	2	0	0	2							
546+75.00	16	14	2	0	14	1	1	1	13	0	0	2	0	0	2							
547+00.00	16	14	3	0	14	0	0	1	13	0	0	3	0	0	3							
547+25.00	19	14	5	0	14	3	3	4	11	0	0	5	0	0	5							
547+50.00	22	15	8	0	15	7	7	9	5	0	0	8	0	0	8							
547+75.00	24	15	9	0	15	10	10	13	2	0	0	9	0	0	9							
548+00.00	24	14	10	0	14	11	11	14	0	0	0	10	0	0	10							
548+25.00	24	14	10	0	14	11	11	14	0	0	0	10	0	0	10							
548+50.00	24	14	10	0	14	11	11	14	0	0	0	10	0	0	10							
548+75.00	24	14	10	0	14	10	10	13	1	0	0	10	0	0	10							
549+00.00	24	14	10	0	14	10	10	13	1	0	0	10	0	0	10							
549+25.00	25	14	11	0	14	11	11	15	-1	0	0	11	0	0	11							
549+50.00	25	14	11	0	14	12	12	15	-1	0	0	11	0	0	11							
549+75.00	24	14	10	0	14	12	12	15	-1	0	0	10	0	0	10							
550+00.00	23	14	10	0	14	11	11	15	-1	0	0	10	0	0	10							
550+25.00	23	13	9	0	13	10	10	14	0	0	0	9	0	0	10							
550+50.00	23	13	10	0	13	10	10	13	0	0	0	10	0	0	10							
550+75.00	23	13	10	0	13	9	9	11	2	0	0	10	0	0	10							
551+00.00	23	13	9	0	13	7	7	9	4	0	0	9	0	0	9							
551+25.00	23	14	9	0	14	6	6	8	6	0	0	9	0	0	9							
551+50.00	23	15	9	0	15	6	6	8	7	0	0	9	0	0	9							
551+75.00	23	15	9	0	15	6	6	9	6	0	0	9	0	0	9							
552+00.00	23	14	9	0	14	8	8	10	4	0	0	9	0	0	9							
552+25.00	22	14	8	0	14	7	7	9	5	0	0	8	0	0	8							
552+50.00	20	14	6	0	14	4	4	5	9	0	0	6	0	0	7							
552+75.00	19	13	5	0	13	2	2	3	11	0	0	5	0	0	5							
553+00.00	18	13	5	0	13	2	2	2	11	0	0	5	0	0	5							
553+25.00	18	14	4	0	14	1	1	2	12	0	0	4	0	0	4							
553+50.00	18	14	4	0	14	1	1	2	12	0	0	4	0	0	4							
553+75.00	18	14	4	0	14	1	1	2	12	0	0	4	0	0	4							
554+00.00	18	14	4	0	14	1	1	2	12	0	0	4	0	0	4							
554+25.00	18	14	4	0	14	1	1	2	12	0	0	4	0	0	4							
554+50.00	18	14	4	0	14	1	1	2	12	0	0	4	0	0	4							
554+75.00	19	14	4	0	14	1	1	2	13	0	0	4	0	0	5							
555+00.00	19	14	4	0	14	1	1	2	12	0	0	4	0	0	5							
555+25.00	9	7	2	0	7	1	1	1	6	0	0	2	0	0	2							
555+37.64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
Proposed_Topsoil																						
DETML059_Sec6_STG1																						
Totals:	966	683	283	0	683	221	221	290	396	0	0	283	0	0	286							

FILE NO.		DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER T.8	

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut					Fill				Checks (EW-102)		Topsoil										
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink							
DETRMP059B_STG1																						
2649+20.00	1	1	0	0	1	0	0	0	1	0	0	0	0	0	0							
2649+25.00	6	6	0	0	6	0	0	0	6	0	0	0	0	0	0							
2649+50.00	6	6	0	0	6	0	0	0	6	0	0	0	0	0	0							
2649+75.00	7	7	0	0	7	0	0	0	7	0	0	0	0	0	0							
2650+00.00	7	7	0	0	7	0	0	0	7	0	0	0	0	0	0							
2650+25.00	7	7	0	0	7	0	0	0	7	0	0	0	0	0	0							
2650+50.00	7	7	0	0	7	0	0	0	7	0	0	0	0	0	0							
2650+75.00	7	7	0	0	7	0	0	0	7	0	0	0	0	0	0							
2651+00.00	6	6	0	0	6	0	0	0	7	0	0	0	0	0	0							
2651+25.00	6	6	0	0	6	2	2	3	4	0	0	0	0	0	0							
2651+50.00	6	6	0	0	6	9	9	12	-6	0	0	0	0	0	0							
2651+75.00	6	6	0	0	6	18	18	24	-17	0	0	0	0	0	0							
2652+00.00	7	7	0	0	7	24	24	31	-25	0	0	0	0	0	0							
2652+25.00	7	7	0	0	7	24	24	31	-24	0	0	0	0	0	0							
2652+50.00	7	7	0	0	7	19	19	24	-17	0	0	0	0	0	0							
2652+75.00	7	7	0	0	7	13	13	17	-10	0	0	0	0	0	0							
2653+00.00	7	7	0	0	7	8	8	11	-4	0	0	0	0	0	0							
2653+25.00	14	14	0	0	14	3	3	4	10	0	0	0	0	0	0							
2653+50.00	5	5	0	0	5	0	0	0	5	0	0	0	0	0	0							
2653+62.43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
Proposed_Topsoil																						
DETRMP059B_STG1																						
Totals:	128	128	0	0	128	120	120	157	-29	0	0	0	0	0	0							

FILE NO.		DESIGN TEAM	Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER	NHSX-059-3(056)--3H-78	SHEET NUMBER	T.9	

8/24/2026 1:17:59 PM cschins c:\pw_work\pwmain\idotcentral_cschins\d2549179\T03_78059056Z06.xlsm

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut					Fill				Checks (EW-102)		Topsoil										
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink							
DETRMP059C_STG1																						
3648+90.00	2	2	0	0	2	0	0	0	2	0	0	0	0	0	0							
3649+00.00	6	6	0	0	6	13	13	17	-12	0	0	0	0	0	0							
3649+25.00	6	6	0	0	6	42	42	55	-50	0	0	0	0	0	0							
3649+50.00	6	6	0	0	6	73	73	96	-90	0	0	0	0	0	0							
3649+75.00	6	6	0	0	6	106	106	138	-132	0	0	0	0	0	0							
3650+00.00	6	6	0	0	6	140	140	182	-177	0	0	0	0	0	0							
3650+25.00	6	6	0	0	6	166	166	216	-210	0	0	0	0	0	0							
3650+50.00	7	7	0	0	7	184	184	239	-233	0	0	0	0	0	0							
3650+75.00	7	7	0	0	7	185	185	241	-234	0	0	0	0	0	0							
3651+00.00	8	8	0	0	8	172	172	224	-216	0	0	0	0	0	0							
3651+25.00	8	8	0	0	8	160	160	208	-200	0	0	0	0	0	0							
3651+50.00	6	6	0	0	6	152	152	198	-192	0	0	0	0	0	0							
3651+75.00	3	3	0	0	3	140	140	183	-179	0	0	0	0	0	0							
3652+00.00	3	3	0	0	3	115	115	149	-146	0	0	0	0	0	0							
3652+25.00	3	3	0	0	3	80	80	104	-101	0	0	0	0	0	0							
3652+50.00	3	3	0	0	3	44	44	57	-54	0	0	0	0	0	0							
3652+75.00	3	3	0	0	3	21	21	27	-24	0	0	0	0	0	0							
3653+00.00	8	8	0	0	8	7	7	10	-2	0	0	0	0	0	0							
3653+25.00	2	2	0	0	2	0	0	0	3	0	0	0	0	0	0							
3653+34.85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
Proposed_Topsoil																						
DETRMP059C_STG1																						
Totals:	99	99	0	0	99	1,802	1,802	2,343	-2,246	0	0	0	0	0	0							

FILE NO.		DESIGN TEAM	Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER	NHSX-059-3(056)--3H-78	SHEET NUMBER	T.10	

8/24/2026 1:18:00 PM cschins c:\pw_work\pwmain\idotcentral_cschins\d2549179\T03_78059056Z06.xlsm

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut					Fill				Checks (EW-102)		Topsoil										
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink							
DETRMP059D_STG1																						
4653+82.63																						
4654+00.00	20	16	0	4	16	0	0	0	16	0	0	0	0	0	0							
4654+25.00	31	29	0	2	29	22	22	29	0	0	0	0	0	0	0							
4654+50.00	10	10	0	0	10	43	43	55	-45	0	0	0	0	0	0							
4654+75.00	9	9	0	0	9	35	35	46	-37	0	0	0	0	0	0							
4655+00.00	9	9	0	0	9	27	27	35	-26	0	0	0	0	0	0							
4655+25.00	9	9	0	0	9	24	24	31	-23	0	0	0	0	0	0							
4655+50.00	8	8	0	0	8	23	23	31	-22	0	0	0	0	0	0							
4655+75.00	8	8	0	0	8	22	22	29	-22	0	0	0	0	0	0							
4656+00.00	7	7	0	0	7	19	19	25	-18	0	0	0	0	0	0							
4656+25.00	7	7	0	0	7	15	15	19	-12	0	0	0	0	0	0							
4656+50.00	7	7	0	0	7	9	9	12	-5	0	0	0	0	0	0							
4656+75.00	7	7	0	0	7	5	5	7	0	0	0	0	0	0	0							
4657+00.00	7	7	0	0	7	3	3	4	3	0	0	0	0	0	0							
4657+25.00	7	7	0	0	7	2	2	2	5	0	0	0	0	0	0							
4657+50.00	7	7	0	0	7	1	1	1	6	0	0	0	0	0	0							
4657+60.00	3	3	0	0	3	0	0	0	3	0	0	0	0	0	0							
Proposed_Topsoil	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
DETRMP059D_STG1																						
Totals:	157	151	0	7	151	251	251	327	-177	0	0	0	0	0	0							

FILE NO.		DESIGN TEAM	Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER	NHSX-059-3(056)--3H-78	SHEET NUMBER	T.11	

8/24/2026 1:18:00 PM cschins c:\pw_work\pwmain\idotcentral_cschins\d2549179\T03_78059056Z06.xlsm

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut					Fill				Checks (EW-102)		Topsoil										
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink							
DETRMP059E_STG1																						
5653+50.77																						
5653+75.00	25	19	4	1	19	0	0	0	19	0	0	4	0	0	5							
5654+00.00	25	25	0	0	25	13	13	17	9	0	0	0	0	0	0							
5654+25.00	10	10	0	0	10	22	22	29	-19	0	0	0	0	0	0							
5654+50.00	8	8	0	0	8	22	22	28	-20	0	0	0	0	0	0							
5654+75.00	7	7	0	0	7	20	20	26	-19	0	0	0	0	0	0							
5655+00.00	7	7	0	0	7	16	16	21	-14	0	0	0	0	0	0							
5655+25.00	7	7	0	0	7	16	16	21	-14	0	0	0	0	0	0							
5655+50.00	7	7	0	0	7	17	17	23	-15	0	0	0	0	0	0							
5655+75.00	7	7	0	0	7	17	17	22	-15	0	0	0	0	0	0							
5656+00.00	7	7	0	0	7	14	14	19	-12	0	0	0	0	0	0							
5656+25.00	7	7	0	0	7	12	12	16	-9	0	0	0	0	0	0							
5656+50.00	7	7	0	0	7	10	10	13	-6	0	0	0	0	0	0							
5656+75.00	7	7	0	0	7	7	7	9	-3	0	0	0	0	0	0							
5657+00.00	7	7	0	0	7	4	4	6	1	0	0	0	0	0	0							
5657+25.00	7	7	0	0	7	4	4	5	2	0	0	0	0	0	0							
5657+50.00	7	7	0	0	7	4	4	5	2	0	0	0	0	0	0							
5657+75.00	7	7	0	0	7	3	3	4	3	0	0	0	0	0	0							
5658+00.00	6	6	0	0	6	2	2	3	3	0	0	0	0	0	0							
5658+25.00	6	6	0	0	6	1	1	2	5	0	0	0	0	0	0							
5658+40.00	4	4	0	0	4	0	0	0	4	0	0	0	0	0	0							
Proposed_Topsoil	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
DETRMP059E_STG1																						
Totals:	176	170	5	2	170	205	205	268	-98	0	0	5	0	0	5							

FILE NO.		DESIGN TEAM	Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER	NHSX-059-3(056)--3H-78	SHEET NUMBER	T.12	

8/24/2026 1:18:01 PM cschins c:\pw_work\pwmain\idotcentral_cschins\d2549179\T03_78059056Z06.xlsm

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut					Fill				Checks (EW-102)		Topsoil										
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink							
DETSRWood_STG1																						
2474+84.41	3	3	0	0	3	0	0	0	3	0	0	0	0	0	0							
2475+00.00	5	5	0	0	5	0	0	0	5	0	0	0	0	0	0							
2475+25.00	5	5	0	0	5	0	0	1	5	0	0	0	0	0	0							
2475+50.00	5	5	0	0	5	10	10	14	-9	0	0	0	0	0	0							
2475+75.00	13	13	0	0	13	10	10	13	0	0	0	0	0	0	0							
2476+00.00	2	2	0	0	2	0	0	0	2	0	0	0	0	0	0							
2476+04.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
Proposed_Topsoil																						
DETSRWood_STG1																						
Totals:	34	34	0	0	34	22	22	28	6	0	0	0	0	0	0							

FILE NO.		DESIGN TEAM	Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER	NHSX-059-3(056)--3H-78	SHEET NUMBER	T.13	

8/24/2026 1:18:01 PM cschins c:\pw_work\pwmain\idotcentral_cschins\d2549179\T03_78059056Z06.xlsm

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut					Fill				Checks (EW-102)		Topsoil										
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink							
DETSRYork1_STG1																						
5530+89.87																						
5531+00.00	4	4	0	0	4	0	0	0	4	0	0	0	0	0	0							
5531+25.00	16	16	0	0	16	0	0	0	16	0	0	0	0	0	0							
5531+50.00	18	18	0	0	18	0	0	0	19	0	0	0	0	0	0							
5531+75.00	23	23	0	0	23	0	0	0	23	0	0	0	0	0	0							
5532+00.00	21	21	0	0	21	0	0	0	21	0	0	0	0	0	0							
5532+25.00	16	16	0	0	16	0	0	0	16	0	0	0	0	0	0							
5532+50.00	10	10	0	0	10	0	0	0	10	0	0	0	0	0	0							
5532+56.49	1	1	0	0	1	0	0	0	1	0	0	0	0	0	0							
Proposed_Topsoil	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
DETSRYork1_STG1																						
Totals:	110	110	0	0	110	1	1	1	110	0	0	0	0	0	0							

FILE NO.		DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER T.14	

8/24/2026 1:18:02 PM cschins c:\pw_work\pwmain\idotcentral_cschins\d2549179\T03_78059056Z06.xlsm

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut					Fill				Checks (EW-102)		Topsoil										
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink							
Add_Volumes_STG1																						
DET509_STG1	72	51	0	21	51	21	21	27	24	0	0	0	0	0	0							
DET517_STG1	104	49	44	11	49	101	101	132	-83	0	0	44	0	0	44							
DET525_STG1	129	48	61	20	48	103	103	134	-86	0	0	61	0	0	61							
DETSRWoodWest_STG1	29	29	0	0	29	0	0	0	29	0	0	0	0	0	0							
DETSRYork1_STG1	110	110	0	0	110	0	0	0	110	0	0	0	0	0	0							
DETSRYork2_STG1	57	57	0	0	57	0	0	0	57	0	0	0	0	0	0							
END																						
Add_Volumes_STG1																						
Totals:	503	345	106	53	345	226	226	294	52	0	0	106	0	0	106							

FILE NO.		DESIGN TEAM	Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER	NHSX-059-3(056)--3H-78	SHEET NUMBER	T.15	

8/24/2026 1:18:02 PM cschins c:\pw_work\pwmain\idotcentral_cschins\d2549179\T03_78059056Z06.xlsm

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut					Fill				Checks (EW-102)		Topsoil										
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink							
Stage 2																						
ML059_S_STG2																						
471+35.51	13	5	3	4	5	2	2	3	2	0	0	3	0	0	3							
471+50.00	23	9	0	14	9	1	1	2	7	0	0	0	0	0	0							
471+75.00	23	9	0	15	9	1	1	2	7	0	0	0	0	0	0							
472+00.00	24	9	0	15	9	1	1	2	7	0	0	0	0	0	0							
472+25.00	24	9	0	15	9	1	1	2	7	0	0	0	0	0	0							
472+50.00	24	8	0	16	8	1	1	2	7	0	0	0	0	0	0							
472+75.00	38	15	5	17	15	4	4	5	11	0	0	5	0	0	6							
473+00.00	52	22	11	19	22	6	6	8	14	0	0	11	0	0	11							
473+25.00	52	21	11	19	21	7	7	9	12	0	0	11	0	0	11							
473+50.00	52	20	12	20	20	7	7	10	11	0	0	12	0	0	12							
473+75.00	51	19	12	20	19	9	9	12	7	0	0	12	0	0	12							
474+00.00	50	17	13	20	17	13	13	16	1	0	0	13	0	0	13							
474+25.00	49	16	13	20	16	15	15	20	-4	0	0	13	0	0	13							
474+50.00	48	14	14	21	14	17	17	23	-9	0	0	14	0	0	14							
474+75.00	48	13	14	21	13	18	18	24	-12	0	0	14	0	0	14							
475+00.00	36	8	7	20	8	10	10	13	-5	0	0	7	0	0	7							
475+25.00	24	4	0	19	4	2	2	2	2	0	0	0	0	0	0							
475+50.00	25	5	0	20	5	2	2	2	3	0	0	0	0	0	0							
475+75.00	27	7	0	20	7	2	2	2	4	0	0	0	0	0	0							
476+00.00	28	7	0	21	7	2	2	2	5	0	0	0	0	0	0							
476+25.00	28	7	0	22	7	2	2	2	4	0	0	0	0	0	0							
476+50.00	29	7	0	22	7	2	2	2	5	0	0	0	0	0	0							
476+75.00	31	8	0	23	8	2	2	2	6	0	0	0	0	0	0							
477+00.00	56	14	14	28	14	26	26	34	-20	0	0	14	0	0	14							
477+25.00	79	18	27	34	18	54	54	70	-52	0	0	27	0	0	27							
477+50.00	75	14	28	34	14	59	59	76	-62	0	0	28	0	0	28							
477+75.00	72	10	27	34	10	57	57	74	-63	0	0	27	0	0	27							
478+00.00	73	10	28	35	10	57	57	74	-64	0	0	28	0	0	28							
478+25.00	76	11	30	35	11	64	64	84	-73	0	0	30	0	0	30							
478+50.00	77	11	31	35	11	71	71	92	-82	0	0	31	0	0	31							
478+75.00	78	11	32	36	11	78	78	101	-91	0	0	32	0	0	32							
479+00.00	78	11	32	35	11	68	68	88	-77	0	0	32	0	0	32							
479+25.00	76	10	32	33	10	42	42	54	-44	0	0	32	0	0	32							
479+50.00	75	10	34	31	10	50	50	65	-55	0	0	34	0	0	35							
479+75.00	76	11	37	28	11	87	87	113	-101	0	0	37	0	0	37							
480+00.00	74	11	37	27	11	106	106	137	-127	0	0	37	0	0	37							
480+25.00	71	8	38	25	8	114	114	148	-140	0	0	38	0	0	38							
480+50.00	66	5	38	23	5	124	124	161	-156	0	0	38	0	0	38							
480+75.00	62	4	38	20	4	121	121	158	-154	0	0	38	0	0	38							
481+00.00	58	4	37	17	4	110	110	144	-140	0	0	37	0	0	37							
481+25.00	55	3	36	16	3	98	98	127	-124	0	0	36	0	0	36							
481+50.00	51	3	34	15	3	76	76	99	-97	0	0	34	0	0	34							
481+75.00	47	2	32	14	2	54	54	70	-68	0	0	32	0	0	32							
482+00.00	44	2	29	14	2	44	44	57	-56	0	0	29	0	0	29							
482+25.00	40	1	26	13	1	48	48	62	-61	0	0	26	0	0	26							
482+50.00	39	1	27	12	1	54	54	70	-69	0	0	27	0	0	27							
482+75.00	37	1	25	10	1	55	55	72	-71	0	0	25	0	0	25							
483+00.00	34	1	25	9	1	55	55	72	-72	0	0	25	0	0	25							
483+25.00	36	1	26	9	1	54	54	70	-70	0	0	26	0	0	26							
483+50.00	36	1	27	8	1	52	52	68	-67	0	0	27	0	0	27							
483+75.00	38	1	30	7	1	52	52	67	-66	0	0	30	0	0	30							
484+00.00	40	2	31	8	2	50	50	65	-63	0	0	31	0	0	31							
484+25.00	43	2	32	9	2	50	50	66	-63	0	0	32	0	0	32							
484+50.00	46	3	33	10	3	50	50	66	-62	0	0	33	0	0	33							
484+75.00	50	5	33	12	5	45	45	59	-53	0	0	33	0	0	33							
485+00.00	54	10	27	17	10	29	29	38	-27	0	0	27	0	0	27							
485+25.00	60	22	16	21	22	12	12	16	6	0	0	16	0	0	16							
485+50.00	68	34	10	23	34	6	6	8	26	0	0	10	0	0	10							
485+75.00	70	37	9	24	37	5	5	7	30	0	0	9	0	0	9							
486+00.00	68	34	10	24	34	5	5	7	27	0	0	10	0	0	11							
486+25.00	67	33	10	24	33	8	8	11	22	0	0	10	0	0	10							
486+50.00	76	33	18	24	33	22	22	29	4	0	0	18	0	0	19							
486+75.00	84	33	27	24	33	32	32	42	-8	0	0	27	0	0	27							
487+00.00	82	34	24	24	34	28	28	36	-3	0	0	24	0	0	25							
487+25.00	78	34	20	24	34	23	23	30	4	0	0	20	0	0	20							
487+50.00																						
Subtotals:	3,363	766	1,273	1,324	766	2,423	2,423	3,153	-2,387	0	0	1,273	0	0	1,276							

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

Station	Cut					Fill				Checks (EW-102)		Topsoil										
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink							
487+50.00	78	34	20	24	34	26	26	34	0	0	0	20	0	0	20							
487+75.00	79	36	19	24	36	30	30	39	-3	0	0	19	0	0	19							
488+00.00	78	39	15	24	39	25	25	33	6	0	0	15	0	0	15							
488+25.00	78	39	16	24	39	21	21	28	11	0	0	16	0	0	16							
488+50.00	79	36	19	24	36	23	23	29	7	0	0	19	0	0	19							
488+75.00	79	35	20	24	35	24	24	32	4	0	0	20	0	0	20							
489+00.00	80	35	21	24	35	28	28	37	-1	0	0	21	0	0	21							
489+25.00	80	35	21	24	35	32	32	42	-7	0	0	21	0	0	21							
489+50.00	77	33	20	24	33	32	32	42	-9	0	0	20	0	0	20							
489+75.00	75	32	19	24	32	32	32	42	-10	0	0	19	0	0	19							
490+00.00	73	32	18	24	32	32	32	42	-10	0	0	18	0	0	18							
490+25.00	73	31	18	24	31	34	34	44	-13	0	0	18	0	0	18							
490+50.00	73	31	18	24	31	37	37	48	-17	0	0	18	0	0	18							
490+75.00	72	30	18	24	30	39	39	50	-20	0	0	18	0	0	18							
491+00.00	71	29	19	24	29	40	40	53	-24	0	0	19	0	0	19							
491+25.00	71	26	21	24	26	44	44	57	-31	0	0	21	0	0	21							
491+50.00	66	20	22	24	20	47	47	61	-41	0	0	22	0	0	22							
491+75.00	64	17	23	24	17	49	49	64	-47	0	0	23	0	0	23							
492+00.00	65	17	25	24	17	51	51	66	-49	0	0	25	0	0	25							
492+25.00	65	17	25	24	17	52	52	68	-51	0	0	25	0	0	25							
492+50.00	63	17	23	23	17	53	53	69	-52	0	0	23	0	0	23							
492+75.00	60	16	20	24	16	49	49	63	-47	0	0	20	0	0	20							
493+00.00	51	13	14	24	13	29	29	38	-24	0	0	14	0	0	14							
493+25.00	42	9	4	29	9	7	7	9	0	0	0	4	0	0	5							
493+50.00	42	8	5	29	8	9	9	12	-4	0	0	5	0	0	5							
493+75.00	55	18	13	24	18	35	35	46	-28	0	0	13	0	0	13							
494+00.00	66	26	17	24	26	58	58	75	-49	0	0	17	0	0	17							
494+25.00	65	24	18	24	24	66	66	87	-63	0	0	18	0	0	18							
494+50.00	64	21	20	24	21	72	72	93	-72	0	0	20	0	0	20							
494+75.00	65	19	22	24	19	76	76	98	-79	0	0	22	0	0	22							
495+00.00	66	19	23	24	19	79	79	103	-84	0	0	23	0	0	23							
495+25.00	66	20	23	24	20	82	82	106	-87	0	0	23	0	0	23							
495+50.00	66	20	22	24	20	81	81	105	-85	0	0	22	0	0	22							
495+75.00	66	20	22	24	20	79	79	102	-82	0	0	22	0	0	22							
496+00.00	66	20	22	24	20	79	79	103	-83	0	0	22	0	0	22							
496+25.00	65	20	22	24	20	81	81	106	-86	0	0	22	0	0	22							
496+50.00	64	19	22	24	19	81	81	106	-87	0	0	22	0	0	22							
496+75.00	62	18	21	23	18	82	82	107	-89	0	0	21	0	0	21							
497+00.00	62	17	22	23	17	84	84	110	-93	0	0	22	0	0	22							
497+25.00	62	16	22	23	16	86	86	112	-96	0	0	22	0	0	22							
497+50.00	60	15	22	23	15	87	87	113	-98	0	0	22	0	0	22							
497+75.00	61	15	23	23	15	89	89	116	-101	0	0	23	0	0	23							
498+00.00	60	15	23	23	15	91	91	118	-104	0	0	23	0	0	23							
498+25.00	60	14	23	22	14	93	93	121	-107	0	0	23	0	0	23							
498+50.00	60	15	23	23	15	94	94	123	-108	0	0	23	0	0	23							
498+75.00	61	16	22	23	16	94	94	122	-106	0	0	22	0	0	22							
499+00.00	61	16	22	23	16	94	94	122	-106	0	0	22	0	0	22							
499+25.00	61	15	23	23	15	94	94	122	-107	0	0	23	0	0	23							
499+50.00	60	15	23	23	15	94	94	122	-108	0	0	23	0	0	23							
499+75.00	60	15	23	23	15	95	95	123	-109	0	0	23	0	0	23							
500+00.00	59	14	23	22	14	97	97	126	-112	0	0	23	0	0	23							
500+25.00	59	13	23	22	13	97	97	127	-114	0	0	23	0	0	23							
500+50.00	59	14	23	23	14	93	93	121	-108	0	0	23	0	0	23							
500+75.00	60	15	22	23	15	85	85	110	-95	0	0	22	0	0	22							
501+00.00	61	17	21	23	17	73	73	95	-78	0	0	21	0	0	21							
501+25.00	46	12	10	25	12	34	34	44	-33	0	0	10	0	0	10							
501+50.00	35	5	0	30	5	2	2	3	2	0	0	0	0	0	0							
501+75.00	48	13	7	28	13	25	25	32	-19	0	0	7	0	0	7							
502+00.00	59	20	17	22	20	59	59	77	-57	0	0	17	0	0	17							
502+25.00	64	18	24	22	18	76	76	99	-81	0	0	24	0	0	24							
502+50.00	68	21	25	22	21	85	85	110	-89	0	0	25	0	0	25							
502+75.00	67	20	25	21	20	93	93	121	-101	0	0	25	0	0	25							
503+00.00	71	15	35	21	15	109	109	142	-127	0	0	35	0	0	35							
503+25.00	79	14	44	21	14	120	120	156	-142	0	0	44	0	0	44							
503+50.00	79	16	42	21	16	116	116	152	-135	0	0	42	0	0	42							
503+75.00	70	19	31	20	19	108	108	140	-121	0	0	31	0	0	31							
504+00.00	66	17	28	21	17	109	109	142	-125	0	0	28	0	0	29							
504+25.00	68	17	29	22	17	111	111	144	-127	0	0	29	0	0	29							
504+50.00																						
Subtotals:	4,416	1,394	1,426	1,596	1,394	4,383	4,383	5,701	-4,309	0	0	1,426	0	0	1,429							

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut					Fill				Checks (EW-102)		Topsoil										
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink							
504+50.00	76	19	35	22	19	107	107	139	-120	0	0	35	0	0	35							
504+75.00	87	19	46	23	19	108	108	141	-122	0	0	46	0	0	46							
505+00.00	83	27	34	23	27	97	97	126	-99	0	0	34	0	0	34							
505+25.00	78	32	23	23	32	82	82	107	-75	0	0	23	0	0	23							
505+50.00	75	28	23	24	28	78	78	102	-73	0	0	23	0	0	23							
505+75.00	71	26	21	24	26	76	76	99	-73	0	0	21	0	0	21							
506+00.00	70	27	19	24	27	75	75	97	-70	0	0	19	0	0	19							
506+25.00	72	29	19	24	29	73	73	95	-67	0	0	19	0	0	19							
506+50.00	75	31	20	24	31	72	72	94	-63	0	0	20	0	0	20							
506+75.00	78	33	21	24	33	71	71	93	-60	0	0	21	0	0	21							
507+00.00	64	24	16	24	24	55	55	72	-48	0	0	16	0	0	16							
507+25.00	50	14	11	24	14	38	38	50	-36	0	0	11	0	0	12							
507+50.00	50	15	12	24	15	38	38	49	-34	0	0	12	0	0	12							
507+75.00	52	16	12	24	16	38	38	49	-33	0	0	12	0	0	12							
508+00.00	53	18	12	24	18	40	40	52	-34	0	0	12	0	0	12							
508+25.00	56	18	14	24	18	42	42	55	-37	0	0	14	0	0	14							
508+50.00	56	16	16	24	16	22	22	28	-12	0	0	16	0	0	16							
508+75.00	55	13	7	34	13	0	0	0	13	0	0	7	0	0	8							
509+00.00	55	13	0	43	13	0	0	0	13	0	0	0	0	0	0							
509+25.00	45	6	3	36	6	0	0	0	7	0	0	3	0	0	3							
509+50.00	42	0	3	40	0	0	0	0	0	0	0	3	0	0	3							
509+75.00	39	0	2	37	0	0	0	0	0	0	0	2	0	0	2							
510+00.00	33	0	8	24	0	0	0	0	0	0	0	8	0	0	8							
510+25.00	39	0	14	25	0	1	1	1	-1	0	0	14	0	0	14							
510+50.00	65	29	9	27	29	1	1	1	28	0	0	9	0	0	9							
510+75.00	89	58	3	28	58	1	1	1	57	0	0	3	0	0	3							
511+00.00	87	56	2	28	56	1	1	1	55	0	0	2	0	0	3							
511+25.00	87	55	4	28	55	1	1	1	54	0	0	4	0	0	4							
511+50.00	16	10	1	4	10	0	0	0	10	0	0	1	0	0	1							
511+54.29	0	0	0	0	0	0	0	0	0	0	0	0	1,740	2,436	-2,436							
Proposed_Topsoil ML059_S_STG2 Totals:	9,577	2,794	3,109	3,674	2,794	7,920	7,920	10,305	-7,513	0	0	3,109	1,740	2,436	681							

FILE NO.		DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER T.18	

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut					Fill				Checks (EW-102)		Topsoil										
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink							
ML059_N_STG2																						
515+24.62																						
515+25.00	1	1	0	0	1	0	0	0	1	0	0	0	0	0	0							
515+50.00	96	60	6	29	60	0	0	0	60	0	0	6	0	0	7							
515+75.00	96	59	7	29	59	0	0	0	59	0	0	7	0	0	8							
516+00.00	88	53	6	30	53	0	0	0	53	0	0	6	0	0	6							
516+25.00	79	46	3	30	46	0	0	0	46	0	0	3	0	0	3							
516+50.00	84	45	8	31	45	7	7	9	36	0	0	8	0	0	8							
516+75.00	90	49	11	30	49	7	7	10	39	0	0	11	0	0	11							
517+00.00	76	45	4	27	45	0	0	1	44	0	0	4	0	0	4							
517+25.00	60	35	0	25	35	0	0	0	35	0	0	0	0	0	0							
517+50.00	54	26	4	24	26	12	12	16	10	0	0	4	0	0	4							
517+75.00	49	19	6	25	19	16	16	21	-2	0	0	6	0	0	6							
518+00.00	44	18	2	25	18	4	4	5	13	0	0	2	0	0	2							
518+25.00	44	19	0	24	19	0	0	0	19	0	0	0	0	0	0							
518+50.00	41	17	0	24	17	16	16	22	-4	0	0	0	0	0	0							
518+75.00	38	14	0	24	14	28	28	37	-24	0	0	0	0	0	0							
519+00.00	38	14	0	24	14	26	26	34	-20	0	0	0	0	0	0							
519+25.00	38	14	0	24	14	27	27	36	-22	0	0	0	0	0	0							
519+50.00	49	22	4	24	22	38	38	50	-28	0	0	4	0	0	4							
519+75.00	62	31	8	23	31	49	49	64	-33	0	0	8	0	0	8							
520+00.00	62	33	6	23	33	48	48	63	-30	0	0	6	0	0	6							
520+25.00	61	35	3	24	35	47	47	61	-27	0	0	3	0	0	3							
520+50.00	63	37	2	24	37	47	47	61	-24	0	0	2	0	0	2							
520+75.00	65	38	2	24	38	47	47	61	-23	0	0	2	0	0	3							
521+00.00	66	40	3	23	40	46	46	60	-21	0	0	3	0	0	3							
521+25.00	67	41	2	23	41	46	46	60	-19	0	0	2	0	0	2							
521+50.00	72	46	2	24	46	48	48	62	-16	0	0	2	0	0	2							
521+75.00	78	49	2	26	49	50	50	65	-15	0	0	2	0	0	2							
522+00.00	80	49	3	28	49	51	51	66	-17	0	0	3	0	0	3							
522+25.00	83	49	3	31	49	52	52	67	-18	0	0	3	0	0	3							
522+50.00	72	38	2	32	38	52	52	68	-30	0	0	2	0	0	2							
522+75.00	58	25	0	33	25	52	52	68	-43	0	0	0	0	0	0							
523+00.00	56	23	0	34	23	53	53	69	-46	0	0	0	0	0	0							
523+25.00	55	22	0	33	22	53	53	69	-47	0	0	0	0	0	0							
523+50.00	55	20	0	35	20	49	49	64	-43	0	0	0	0	0	0							
523+75.00	51	12	0	39	12	34	34	45	-33	0	0	0	0	0	0							
524+00.00	39	4	0	35	4	15	15	20	-16	0	0	0	0	0	0							
524+25.00	30	4	0	27	4	15	15	20	-16	0	0	0	0	0	0							
524+50.00	30	3	0	27	3	24	24	31	-28	0	0	0	0	0	0							
524+75.00	28	3	0	25	3	26	26	34	-31	0	0	0	0	0	0							
525+00.00	26	2	0	24	2	25	25	32	-30	0	0	0	0	0	0							
525+25.00	29	2	1	25	2	20	20	26	-24	0	0	1	0	0	1							
525+50.00	40	5	8	27	5	37	37	49	-44	0	0	8	0	0	8							
525+75.00	50	9	13	28	9	59	59	76	-67	0	0	13	0	0	13							
526+00.00	63	21	12	29	21	64	64	83	-62	0	0	12	0	0	12							
526+25.00	76	33	12	30	33	65	65	85	-52	0	0	12	0	0	13							
526+50.00	84	41	13	30	41	64	64	83	-42	0	0	13	0	0	13							
526+75.00	93	49	13	31	49	61	61	80	-31	0	0	13	0	0	13							
527+00.00	97	52	14	31	52	58	58	76	-24	0	0	14	0	0	14							
527+25.00	90	46	14	31	46	79	79	103	-58	0	0	14	0	0	14							
527+50.00	83	39	15	29	39	103	103	133	-94	0	0	15	0	0	15							
527+75.00	83	41	15	27	41	100	100	130	-89	0	0	15	0	0	15							
528+00.00	83	44	15	24	44	87	87	114	-70	0	0	15	0	0	15							
528+25.00	81	43	15	24	43	76	76	99	-56	0	0	15	0	0	15							
528+50.00	78	39	14	25	39	67	67	87	-48	0	0	14	0	0	14							
528+75.00	75	36	10	29	36	39	39	51	-14	0	0	10	0	0	10							
529+00.00	76	39	3	33	39	12	12	16	24	0	0	3	0	0	3							
529+25.00	77	39	0	38	39	7	7	10	30	0	0	0	0	0	0							
529+50.00	78	38	0	39	38	11	11	14	24	0	0	0	0	0	0							
529+75.00	77	36	0	41	36	12	12	15	21	0	0	0	0	0	0							
530+00.00	73	32	0	41	32	11	11	14	18	0	0	0	0	0	0							
530+25.00	70	30	0	39	30	10	10	14	17	0	0	0	0	0	0							
530+50.00	65	27	1	36	27	14	14	19	9	0	0	1	0	0	1							
530+75.00	63	27	5	31	27	25	25	32	-5	0	0	5	0	0	5							
531+00.00	65	27	9	29	27	42	42	55	-29	0	0	9	0	0	9							
531+25.00	63	23	12	28	23	60	60	78	-55	0	0	12	0	0	12							
531+50.00	60	20	13	27	20	68	68	88	-68	0	0	13	0	0	13							
531+75.00	65	25	14	26	25	72	72	93	-68	0	0	14	0	0	14							
Subtotals:	4,261	2,026	340	1,895	2,026	2,436	2,436	3,170	-1,146	0	0	340	0	0	342							

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

Station	Cut					Fill				Checks (EW-102)		Topsoil										
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink							
531+75.00	71	32	14	25	32	74	74	96	-65	0	0	14	0	0	14							
532+00.00	67	28	14	25	28	75	75	97	-69	0	0	14	0	0	14							
532+25.00	62	22	14	26	22	74	74	96	-74	0	0	14	0	0	14							
532+50.00	64	23	15	27	23	73	73	94	-71	0	0	15	0	0	15							
532+75.00	70	28	15	27	28	72	72	94	-67	0	0	15	0	0	15							
533+00.00	71	27	17	28	27	74	74	96	-70	0	0	17	0	0	17							
533+25.00	73	28	18	27	28	75	75	98	-70	0	0	18	0	0	18							
533+50.00	77	31	20	25	31	77	77	100	-69	0	0	20	0	0	20							
533+75.00	77	32	21	24	32	82	82	106	-75	0	0	21	0	0	21							
534+00.00	75	31	21	24	31	86	86	112	-81	0	0	21	0	0	21							
534+25.00	75	30	21	24	30	87	87	114	-84	0	0	21	0	0	21							
534+50.00	74	29	21	24	29	88	88	114	-85	0	0	21	0	0	21							
534+75.00	73	28	21	24	28	89	89	116	-88	0	0	21	0	0	21							
535+00.00	71	26	21	24	26	90	90	117	-91	0	0	21	0	0	21							
535+25.00	69	25	21	23	25	91	91	118	-93	0	0	21	0	0	21							
535+50.00	67	23	21	23	23	91	91	119	-96	0	0	21	0	0	21							
535+75.00	65	22	21	23	22	92	92	120	-98	0	0	21	0	0	21							
536+00.00	64	21	20	23	21	91	91	119	-98	0	0	20	0	0	21							
536+25.00	63	19	20	23	19	88	88	114	-95	0	0	20	0	0	20							
536+50.00	61	18	20	23	18	87	87	113	-95	0	0	20	0	0	20							
536+75.00	59	17	19	23	17	89	89	115	-98	0	0	19	0	0	20							
537+00.00	59	17	19	23	17	88	88	114	-97	0	0	19	0	0	19							
537+25.00	61	19	19	23	19	85	85	111	-92	0	0	19	0	0	19							
537+50.00	61	19	19	23	19	85	85	111	-92	0	0	19	0	0	19							
537+75.00	61	20	19	23	20	82	82	107	-87	0	0	19	0	0	19							
538+00.00	59	18	19	23	18	80	80	104	-86	0	0	19	0	0	19							
538+25.00	58	17	18	23	17	78	78	101	-85	0	0	18	0	0	19							
538+50.00	56	16	18	23	16	76	76	99	-84	0	0	18	0	0	18							
538+75.00	56	16	18	23	16	75	75	97	-81	0	0	18	0	0	18							
539+00.00	57	17	17	23	17	72	72	94	-77	0	0	17	0	0	17							
539+25.00	58	18	17	22	18	70	70	91	-73	0	0	17	0	0	17							
539+50.00	59	19	17	23	19	69	69	90	-71	0	0	17	0	0	17							
539+75.00	61	21	16	23	21	66	66	87	-65	0	0	16	0	0	17							
540+00.00	62	23	16	23	23	60	60	78	-55	0	0	16	0	0	16							
540+25.00	61	23	15	23	23	53	53	69	-46	0	0	15	0	0	15							
540+50.00	60	23	14	23	23	50	50	66	-42	0	0	14	0	0	14							
540+75.00	62	26	13	23	26	49	49	63	-38	0	0	13	0	0	14							
541+00.00	65	29	13	23	29	45	45	58	-30	0	0	13	0	0	13							
541+25.00	66	31	12	23	31	40	40	52	-21	0	0	12	0	0	12							
541+50.00	67	33	11	23	33	36	36	46	-14	0	0	11	0	0	12							
541+75.00	66	33	9	24	33	31	31	40	-7	0	0	9	0	0	9							
542+00.00	65	34	7	24	34	25	25	32	2	0	0	7	0	0	7							
542+25.00	68	37	7	24	37	14	14	19	18	0	0	7	0	0	7							
542+50.00	68	40	5	24	40	5	5	7	33	0	0	5	0	0	5							
542+75.00	70	42	4	24	42	3	3	4	39	0	0	4	0	0	4							
543+00.00	71	43	4	24	43	3	3	3	40	0	0	4	0	0	4							
543+25.00	67	40	4	23	40	3	3	4	37	0	0	4	0	0	4							
543+50.00	63	36	3	23	36	3	3	4	33	0	0	3	0	0	4							
543+75.00	59	33	3	23	33	2	2	3	30	0	0	3	0	0	3							
544+00.00	54	29	2	23	29	2	2	3	26	0	0	2	0	0	3							
544+25.00	51	26	2	23	26	3	3	4	22	0	0	2	0	0	2							
544+50.00	48	23	1	23	23	4	4	5	18	0	0	1	0	0	1							
544+75.00	48	20	4	24	20	6	6	8	12	0	0	4	0	0	4							
545+00.00	49	18	7	24	18	11	11	14	5	0	0	7	0	0	7							
545+25.00	45	16	6	23	16	15	15	20	-4	0	0	6	0	0	6							
545+50.00	43	16	5	23	16	14	14	19	-3	0	0	5	0	0	5							
545+75.00	46	20	4	22	20	8	8	11	9	0	0	4	0	0	4							
546+00.00	50	26	2	22	26	4	4	5	21	0	0	2	0	0	2							
546+25.00	53	31	0	22	31	2	2	2	29	0	0	0	0	0	0							
546+50.00	55	33	0	22	33	2	2	3	30	0	0	0	0	0	0							
546+75.00	52	31	0	21	31	3	3	4	27	0	0	0	0	0	0							
547+00.00	50	30	0	21	30	4	4	5	25	0	0	0	0	0	0							
547+25.00	50	30	0	20	30	4	4	5	25	0	0	0	0	0	0							
547+50.00	52	32	0	19	32	3	3	4	28	0	0	0	0	0	0							
547+75.00	54	35	0	19	35	3	3	4	31	0	0	0	0	0	0							
548+00.00	56	37	0	18	37	3	3	4	34	0	0	0	0	0	0							
548+25.00	57	39	0	18	39	3	3	4	35	0	0	0	0	0	0							
548+50.00	53	35	0	18	35	3	3	4	31	0	0	0	0	0	0							
548+75.00	51	33	0	17	33	3	3	4	29	0	0	0	0	0	0							
Subtotals:	4,144	1,822	764	1,559	1,822	3,107	3,107	4,043	-2,222	0	0	764	0	0	767							

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

	Cut					Fill				Checks (EW-102)		Topsoil										
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
Station	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink							
548+75.00	51	34	0	17	34	3	3	4	30	0	0	0	0	0	0							
549+00.00	53	36	0	17	36	3	3	4	33	0	0	0	0	0	0							
549+25.00	55	38	0	17	38	3	3	3	34	0	0	0	0	0	0							
549+50.00	54	37	0	17	37	3	3	4	33	0	0	0	0	0	0							
549+75.00	54	37	0	17	37	3	3	4	34	0	0	0	0	0	0							
550+00.00	57	40	0	17	40	2	2	3	36	0	0	0	0	0	0							
550+25.00	58	40	0	17	40	2	2	3	37	0	0	0	0	0	0							
550+50.00	56	39	0	17	39	2	2	3	36	0	0	0	0	0	0							
550+75.00	54	37	0	17	37	3	3	3	33	0	0	0	0	0	0							
551+00.00	53	36	0	17	36	3	3	3	32	0	0	0	0	0	0							
551+25.00	50	33	0	17	33	3	3	3	30	0	0	0	0	0	0							
551+50.00	4	2	0	2	2	0	0	0	2	0	0	0	0	0	0							
551+53.02	0	0	0	0	0	0	0	0	0	0	0	0	1,153	1,614	-1,614							
Proposed_Topsoil																						
ML059_N_STG2																						
Totals:	9,004	4,255	1,105	3,645	4,255	5,572	5,572	7,251	-2,998	0	0	1,105	1,153	1,615	-505							

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut					Fill				Checks (EW-102)		Topsoil										
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink							
SRMarty_STG2																						
4423+67.92																						
4423+75.00	27	11	2	14	11	3	3	3	8	0	0	2	0	0	2							
4424+00.00	390	221	20	150	221	8	8	10	211	0	0	20	0	0	20							
4424+13.50	206	115	8	82	115	0	0	0	116	0	0	8	0	0	8							
Proposed_Topsoil	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
SRMarty_STG2																						
Totals:	623	348	29	246	348	11	11	14	335	0	0	29	0	0	30							

FILE NO.		DESIGN TEAM	Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE	COUNTY	PROJECT NUMBER	NHSX-059-3(056)--3H-78	SHEET NUMBER	T.22	

8/24/2026 1:18:06 PM cschins c:\pw_work\pwmain\idotcentral_cschins\d2549179\T03_78059056Z06.xlsm

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut					Fill				Checks (EW-102)		Topsoil										
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink							
SRWoodWest_STG2																						
2474+90.08																						
2475+00.00	24	17	1	7	17	0	0	0	17	0	0	1	0	0	1							
2475+25.00	69	43	4	22	43	0	0	0	43	0	0	4	0	0	4							
2475+50.00	77	46	6	26	46	0	0	0	45	0	0	6	0	0	6							
2475+75.00	109	61	13	35	61	12	12	15	46	0	0	13	0	0	13							
2476+00.00	191	101	25	66	101	18	18	24	77	0	0	25	0	0	25							
2476+15.30	113	56	9	48	56	4	4	6	51	0	0	9	0	0	10							
Proposed_Topsoil	0	0	0	0	0	0	0	0	0	0	0	0	39	55	-55							
SRWoodWest_STG2																						
Totals:	584	324	59	203	324	35	35	46	279	0	0	59	40	55	4							

FILE NO.		DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER T.23	

8/24/2026 1:18:06 PM cschins c:\pw_work\pwmain\idotcentral_cschins\d2549179\T03_78059056Z06.xlsm

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut					Fill				Checks (EW-102)		Topsoil										
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink							
DETML059SB_1_STG2A																						
467+34.79	5	4	1	0	4	1	1	1	3	0	0	1	0	0	1							
467+50.00	10	7	2	0	7	1	1	1	6	0	0	2	0	0	2							
467+75.00	10	9	2	0	9	1	1	1	8	0	0	2	0	0	2							
468+00.00	10	8	2	0	8	1	1	1	7	0	0	2	0	0	2							
468+25.00	11	9	3	0	9	1	1	2	7	0	0	3	0	0	3							
468+50.00	13	10	2	0	10	2	2	2	8	0	0	2	0	0	2							
468+75.00	14	11	3	0	11	2	2	2	9	0	0	3	0	0	3							
469+00.00	14	11	3	0	11	2	2	2	9	0	0	3	0	0	3							
469+25.00	12	11	1	0	11	1	1	1	10	0	0	1	0	0	1							
469+50.00	16	10	5	0	10	10	10	14	-3	0	0	5	0	0	6							
469+75.00	18	10	9	0	10	17	17	22	-13	0	0	9	0	0	9							
470+00.00	17	9	8	0	9	15	15	20	-11	0	0	8	0	0	8							
470+25.00	17	9	8	0	9	18	18	23	-15	0	0	8	0	0	9							
470+50.00	18	9	9	0	9	17	17	23	-14	0	0	9	0	0	9							
470+75.00	19	10	9	0	10	15	15	19	-10	0	0	9	0	0	9							
471+00.00	20	9	11	0	9	17	17	22	-12	0	0	11	0	0	11							
471+25.00	5	2	3	0	2	4	4	5	-3	0	0	3	0	0	3							
471+35.90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
Proposed_Topsoil																						
DETML059SB_1_STG2A																						
Totals:	229	149	81	0	149	125	125	162	-14	0	0	81	0	0	82							

FILE NO.		DESIGN TEAM	Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER	NHSX-059-3(056)--3H-78	SHEET NUMBER	T.24	

8/24/2026 1:18:07 PM cschins c:\pw_work\pwmain\idotcentral_cschins\d2549179\T03_78059056Z06.xlsm

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

Station	Cut					Fill				Checks (EW-102)		Topsoil										
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink							
DETML059SB_2_STG2																						
544+14.37	0	0	0	0	0	3	3	4	-4	0	0	0	0	0	0							
544+25.00	0	0	0	0	0	17	17	22	-22	0	0	0	0	0	0							
544+50.00	0	0	0	0	0	19	19	24	-24	0	0	0	0	0	0							
544+75.00	0	0	0	0	0	23	23	30	-30	0	0	0	0	0	0							
545+00.00	0	0	0	0	0	33	33	43	-43	0	0	0	0	0	0							
545+25.00	0	0	0	0	0	38	38	49	-49	0	0	0	0	0	0							
545+50.00	0	0	0	0	0	34	34	44	-44	0	0	0	0	0	0							
545+75.00	1	1	0	0	1	28	28	37	-37	0	0	0	0	0	0							
546+00.00	1	1	0	0	1	25	25	33	-32	0	0	0	0	0	0							
546+25.00	2	1	0	0	1	27	27	36	-34	0	0	0	0	0	0							
546+50.00	2	1	0	0	1	34	34	44	-43	0	0	0	0	0	0							
546+75.00	1	1	0	0	1	40	40	52	-51	0	0	0	0	0	0							
547+00.00	1	1	0	0	1	45	45	58	-57	0	0	0	0	0	0							
547+25.00	1	1	0	0	1	46	46	60	-58	0	0	0	0	0	0							
547+50.00	1	1	0	0	1	45	45	58	-57	0	0	0	0	0	0							
547+75.00	3	2	2	0	2	44	44	57	-55	0	0	2	0	0	2							
548+00.00	5	2	2	0	2	41	41	53	-51	0	0	2	0	0	2							
548+25.00	3	3	1	0	3	37	37	49	-46	0	0	1	0	0	1							
548+50.00	2	2	0	0	2	33	33	43	-41	0	0	0	0	0	0							
548+75.00	3	3	0	0	3	27	27	35	-32	0	0	0	0	0	0							
549+00.00	3	3	0	0	3	20	20	25	-23	0	0	0	0	0	0							
549+25.00	3	3	0	0	3	15	15	19	-16	0	0	0	0	0	0							
549+50.00	3	3	0	0	3	12	12	16	-13	0	0	0	0	0	0							
549+75.00	4	4	0	0	4	9	9	12	-8	0	0	0	0	0	0							
550+00.00	4	4	0	0	4	7	7	9	-4	0	0	0	0	0	0							
550+25.00	4	4	0	0	4	6	6	7	-3	0	0	0	0	0	0							
550+50.00	4	4	0	0	4	6	6	8	-4	0	0	0	0	0	0							
550+75.00	3	3	0	0	3	6	6	8	-5	0	0	0	0	0	0							
551+00.00	3	3	0	0	3	7	7	10	-7	0	0	0	0	0	0							
551+25.00	7	3	4	0	3	13	13	16	-13	0	0	4	0	0	4							
551+50.00	17	6	10	1	6	21	21	27	-21	0	0	10	0	0	10							
551+75.00	21	8	12	2	8	25	25	33	-25	0	0	12	0	0	12							
552+00.00	22	8	12	2	8	26	26	34	-26	0	0	12	0	0	12							
552+25.00	22	8	12	2	8	24	24	31	-23	0	0	12	0	0	12							
552+50.00	21	8	11	2	8	21	21	27	-19	0	0	11	0	0	11							
552+75.00	20	8	9	2	8	16	16	21	-13	0	0	9	0	0	10							
553+00.00	19	9	8	2	9	12	12	15	-6	0	0	8	0	0	8							
553+25.00	16	8	4	4	8	6	6	7	1	0	0	4	0	0	5							
553+50.00	14	7	1	6	7	1	1	1	6	0	0	1	0	0	1							
553+75.00	13	7	0	6	7	0	0	0	7	0	0	0	0	0	0							
554+00.00	12	6	0	5	6	0	0	0	7	0	0	0	0	0	0							
554+25.00	10	7	0	3	7	0	0	0	7	0	0	0	0	0	0							
554+50.00	9	7	0	2	7	0	0	0	7	0	0	0	0	0	0							
554+75.00	7	5	0	2	5	0	0	0	6	0	0	0	0	0	0							
555+00.00	6	4	0	2	4	0	0	0	4	0	0	0	0	0	0							
555+25.00	5	3	0	2	3	0	0	0	3	0	0	0	0	0	0							
555+50.00	4	3	0	2	3	0	0	0	3	0	0	0	0	0	0							
555+75.00	5	3	0	2	3	0	0	0	3	0	0	0	0	0	0							
556+00.00	5	3	0	2	3	0	0	0	3	0	0	0	0	0	0							
556+25.00	1	1	0	1	1	0	0	0	1	0	0	0	0	0	0							
556+32.21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
Proposed_Topsoil																						
DETML059SB_2_STG2																						
Totals:	315	179	89	49	179	890	890	1,159	-982	0	0	89	0	0	90							

FILE NO.		DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER T.25	

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut					Fill				Checks (EW-102)		Topsoil										
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink							
DETSRWoodWest_STG2																						
2474+25.00	10	4	6	0	4	6	6	8	-4	0	0	6	0	0	6							
2474+50.00	10	4	6	0	4	7	7	9	-5	0	0	6	0	0	7							
2474+75.00	10	4	6	0	4	6	6	8	-4	0	0	6	0	0	6							
2475+00.00	10	5	4	0	5	4	4	5	0	0	0	4	0	0	4							
2475+25.00	11	8	3	0	8	3	3	4	4	0	0	3	0	0	3							
2475+50.00	10	8	2	0	8	1	1	2	6	0	0	2	0	0	2							
2475+67.79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
Proposed_Topsoil																						
DETSRWoodWest_STG2																						
Totals:	61	34	28	0	34	28	28	36	-3	0	0	28	0	0	29							

FILE NO.		DESIGN TEAM	Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER	NHSX-059-3(056)--3H-78	SHEET NUMBER	T.26	

8/24/2026 1:18:08 PM cschins c:\pw_work\pwmain\idotcentral_cschins\d2549179\T03_78059056Z06.xlsm

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut					Fill				Checks (EW-102)		Topsoil										
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink							
Add_Volumes_STG2																						
RMP059B_STG2																						
RMP059C_STG2	817	455	172	190	455	40	40	52	403	0	0	172	111	155	16							
ENT1034L_STG2	1,819	712	590	517	712	1,452	1,452	1,888	-1,176	0	0	590	521	729	-139							
ENT2225L_STG2	24	8	15	1	8	6	6	8	0	0	0	15	11	15	0							
ENT2242L_STG2	56	24	13	19	24	5	5	7	17	0	0	13	1	1	12							
ENT7472L_STG2	55	36	11	9	36	6	6	7	29	0	0	11	0	0	11							
DET501_STG2A	240	161	22	57	161	3	3	4	157	0	0	22	12	16	5							
DET507_STG2A	17	17	0	0	17	38	38	50	-33	0	0	0	0	0	0							
DET518_STG2A	32	32	0	0	32	232	232	302	-270	0	0	0	0	0	0							
DET523_STG2A	28	28	0	0	28	137	137	178	-150	0	0	0	0	0	0							
DET530_STG2A	34	34	0	0	34	32	32	42	-8	0	0	0	0	0	0							
DET508_STG2B	8	8	0	0	8	6	6	8	0	0	0	0	0	0	0							
DET517_STG2B	49	49	0	0	49	12	12	16	34	0	0	0	0	0	0							
DET523_STG2B	44	44	0	0	44	13	13	17	27	0	0	0	0	0	0							
DET528_STG2B	28	28	0	0	28	32	32	42	-14	0	0	0	0	0	0							
END	57	57	0	0	57	27	27	35	22	0	0	0	0	0	0							
Add_Volumes_STG2																						
Totals:	3,309	1,694	823	793	1,694	2,042	2,042	2,655	-961	0	0	823	655	917	-95							

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

Station	Cut					Fill				Checks (EW-102)		Topsoil										
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink							
Stage 4																						
ML059_S_STG4																						
471+35.75	26	12	7	8	12	1	1	1	11	0	0	7	0	0	7							
471+50.00	33	14	6	13	14	1	1	1	13	0	0	6	0	0	6							
471+75.00	20	7	0	13	7	0	0	0	7	0	0	0	0	0	0							
472+00.00	21	8	0	13	8	0	0	0	8	0	0	0	0	0	0							
472+25.00	42	23	5	14	23	0	0	0	23	0	0	5	0	0	5							
472+50.00	57	30	11	16	30	2	2	3	28	0	0	11	0	0	11							
472+75.00	52	24	12	16	24	3	3	3	21	0	0	12	0	0	12							
473+00.00	54	25	12	17	25	1	1	2	24	0	0	12	0	0	12							
473+25.00	54	25	12	17	25	1	1	2	23	0	0	12	0	0	12							
473+50.00	52	23	12	17	23	2	2	3	20	0	0	12	0	0	12							
473+75.00	52	22	13	18	22	4	4	5	17	0	0	13	0	0	13							
474+00.00	52	21	13	18	21	5	5	6	15	0	0	13	0	0	13							
474+25.00	53	20	14	19	20	5	5	6	14	0	0	14	0	0	14							
474+50.00	52	19	14	19	19	5	5	6	12	0	0	14	0	0	14							
474+75.00	51	17	15	19	17	7	7	9	8	0	0	15	0	0	15							
475+00.00	52	17	15	20	17	8	8	10	7	0	0	15	0	0	15							
475+25.00	54	19	15	20	19	8	8	10	8	0	0	15	0	0	16							
475+50.00	39	12	8	19	12	4	4	5	7	0	0	8	0	0	8							
475+75.00	24	5	0	19	5	0	0	0	5	0	0	0	0	0	0							
476+00.00	25	6	0	19	6	0	0	0	6	0	0	0	0	0	0							
476+25.00	25	5	0	20	5	0	0	0	5	0	0	0	0	0	0							
476+50.00	24	5	0	20	5	0	0	0	5	0	0	0	0	0	0							
476+75.00	44	13	10	20	13	12	12	16	-3	0	0	10	0	0	10							
477+00.00	63	22	21	21	22	30	30	39	-18	0	0	21	0	0	21							
477+25.00	63	19	22	21	19	40	40	53	-34	0	0	22	0	0	22							
477+50.00	61	16	24	22	16	48	48	62	-46	0	0	24	0	0	24							
477+75.00	61	14	25	22	14	54	54	70	-56	0	0	25	0	0	25							
478+00.00	63	15	26	22	15	62	62	80	-65	0	0	26	0	0	26							
478+25.00	66	16	27	23	16	67	67	87	-70	0	0	27	0	0	27							
478+50.00	69	18	28	23	18	70	70	90	-73	0	0	28	0	0	28							
478+75.00	70	19	28	23	19	76	76	99	-80	0	0	28	0	0	28							
479+00.00	72	19	29	24	19	87	87	113	-94	0	0	29	0	0	29							
479+25.00	71	17	30	25	17	93	93	121	-104	0	0	30	0	0	30							
479+50.00	70	16	30	25	16	88	88	115	-99	0	0	30	0	0	30							
479+75.00	69	14	30	25	14	80	80	104	-90	0	0	30	0	0	30							
480+00.00	66	12	29	24	12	70	70	91	-79	0	0	29	0	0	29							
480+25.00	62	11	28	23	11	61	61	80	-69	0	0	28	0	0	28							
480+50.00	58	10	28	21	10	64	64	83	-74	0	0	28	0	0	28							
480+75.00	52	8	27	17	8	73	73	96	-88	0	0	27	0	0	27							
481+00.00	47	7	26	14	7	78	78	102	-95	0	0	26	0	0	27							
481+25.00	44	6	26	13	6	78	78	101	-95	0	0	26	0	0	26							
481+50.00	45	6	25	13	6	78	78	101	-95	0	0	25	0	0	25							
481+75.00	45	7	24	14	7	81	81	105	-98	0	0	24	0	0	24							
482+00.00	44	7	23	14	7	81	81	106	-99	0	0	23	0	0	24							
482+25.00	42	6	22	14	6	79	79	103	-97	0	0	22	0	0	23							
482+50.00	39	5	22	13	5	75	75	97	-93	0	0	22	0	0	22							
482+75.00	36	4	20	12	4	67	67	88	-84	0	0	20	0	0	20							
483+00.00	36	4	19	13	4	57	57	75	-71	0	0	19	0	0	19							
483+25.00	39	5	18	16	5	49	49	63	-59	0	0	18	0	0	18							
483+50.00	43	6	19	18	6	43	43	56	-50	0	0	19	0	0	19							
483+75.00	48	8	20	20	8	36	36	46	-38	0	0	20	0	0	20							
484+00.00	53	11	20	21	11	29	29	37	-26	0	0	20	0	0	20							
484+25.00	54	12	20	22	12	26	26	34	-22	0	0	20	0	0	20							
484+50.00	54	12	20	22	12	27	27	35	-24	0	0	20	0	0	20							
484+75.00	55	13	20	21	13	31	31	40	-27	0	0	20	0	0	20							
485+00.00	59	16	20	22	16	30	30	39	-23	0	0	20	0	0	20							
485+25.00	65	22	20	23	22	26	26	34	-12	0	0	20	0	0	20							
485+50.00	72	30	19	24	30	15	15	20	10	0	0	19	0	0	19							
485+75.00	78	37	17	24	37	4	4	6	32	0	0	17	0	0	17							
486+00.00	82	44	15	24	44	2	2	2	42	0	0	15	0	0	15							
486+25.00	85	47	14	24	47	3	3	4	43	0	0	14	0	0	15							
486+50.00	88	47	17	24	47	15	15	19	28	0	0	17	0	0	17							
486+75.00	89	48	17	24	48	17	17	22	27	0	0	17	0	0	17							
487+00.00	90	50	16	24	50	9	9	12	38	0	0	16	0	0	16							
487+25.00	90	51	16	24	51	8	8	11	40	0	0	16	0	0	16							
487+50.00																						
Subtotals:	3,516	1,128	1,139	1,249	1,128	2,172	2,172	2,827	-1,700	0	0	1,139	0	0	1,142							

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

Station	Cut					Fill				Checks (EW-102)		Topsoil										
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink							
487+50.00	90	51	16	23	51	9	9	12	40	0	0	16	0	0	16							
487+75.00	88	50	14	23	50	8	8	11	40	0	0	14	0	0	14							
488+00.00	86	46	16	24	46	17	17	22	25	0	0	16	0	0	16							
488+25.00	87	44	19	24	44	24	24	32	13	0	0	19	0	0	19							
488+50.00	88	45	19	24	45	20	20	26	19	0	0	19	0	0	19							
488+75.00	87	44	19	24	44	17	17	22	23	0	0	19	0	0	19							
489+00.00	86	44	19	24	44	17	17	22	22	0	0	19	0	0	19							
489+25.00	87	43	20	24	43	21	21	27	16	0	0	20	0	0	20							
489+50.00	88	44	20	24	44	22	22	29	15	0	0	20	0	0	20							
489+75.00	88	45	20	24	45	21	21	27	18	0	0	20	0	0	20							
490+00.00	87	44	19	24	44	20	20	26	18	0	0	19	0	0	19							
490+25.00	87	44	19	23	44	21	21	27	18	0	0	19	0	0	19							
490+50.00	88	46	19	24	46	22	22	28	18	0	0	19	0	0	19							
490+75.00	90	48	19	24	48	22	22	28	19	0	0	19	0	0	19							
491+00.00	92	49	19	24	49	22	22	29	21	0	0	19	0	0	19							
491+25.00	93	51	19	24	51	22	22	29	22	0	0	19	0	0	19							
491+50.00	95	53	19	23	53	24	24	31	22	0	0	19	0	0	19							
491+75.00	95	53	19	23	53	25	25	33	20	0	0	19	0	0	19							
492+00.00	92	52	18	23	52	26	26	33	19	0	0	18	0	0	18							
492+25.00	92	50	18	23	50	25	25	33	18	0	0	18	0	0	18							
492+50.00	93	50	19	23	50	25	25	33	17	0	0	19	0	0	19							
492+75.00	94	49	21	24	49	28	28	36	14	0	0	21	0	0	21							
493+00.00	95	49	21	24	49	29	29	38	12	0	0	21	0	0	21							
493+25.00	94	49	16	29	49	29	29	38	12	0	0	16	0	0	16							
493+50.00	93	50	15	29	50	23	23	30	20	0	0	15	0	0	15							
493+75.00	92	50	18	24	50	24	24	31	18	0	0	18	0	0	18							
494+00.00	90	48	19	24	48	33	33	44	4	0	0	19	0	0	19							
494+25.00	91	47	20	24	47	42	42	55	-8	0	0	20	0	0	20							
494+50.00	92	46	21	24	46	46	46	60	-14	0	0	21	0	0	21							
494+75.00	92	47	22	24	47	46	46	59	-12	0	0	22	0	0	22							
495+00.00	93	47	23	23	47	46	46	60	-13	0	0	23	0	0	23							
495+25.00	93	47	23	23	47	48	48	63	-16	0	0	23	0	0	23							
495+50.00	93	47	23	24	47	52	52	68	-21	0	0	23	0	0	23							
495+75.00	90	47	19	24	47	49	49	64	-17	0	0	19	0	0	19							
496+00.00	86	45	17	24	45	45	45	59	-13	0	0	17	0	0	17							
496+25.00	85	45	16	24	45	46	46	60	-15	0	0	16	0	0	17							
496+50.00	85	45	17	24	45	47	47	61	-16	0	0	17	0	0	17							
496+75.00	87	46	17	24	46	47	47	61	-15	0	0	17	0	0	17							
497+00.00	87	46	17	24	46	47	47	61	-15	0	0	17	0	0	18							
497+25.00	88	46	18	24	46	47	47	61	-15	0	0	18	0	0	18							
497+50.00	89	47	18	24	47	47	47	62	-14	0	0	18	0	0	18							
497+75.00	89	47	18	24	47	49	49	63	-16	0	0	18	0	0	18							
498+00.00	89	48	18	24	48	49	49	64	-17	0	0	18	0	0	18							
498+25.00	89	47	18	24	47	50	50	65	-18	0	0	18	0	0	18							
498+50.00	87	46	17	24	46	51	51	67	-21	0	0	17	0	0	17							
498+75.00	85	44	17	24	44	53	53	69	-25	0	0	17	0	0	17							
499+00.00	85	44	18	24	44	54	54	70	-26	0	0	18	0	0	18							
499+25.00	86	45	18	24	45	54	54	71	-26	0	0	18	0	0	18							
499+50.00	86	45	18	24	45	54	54	71	-26	0	0	18	0	0	18							
499+75.00	84	44	17	23	44	54	54	71	-27	0	0	17	0	0	18							
500+00.00	84	43	18	24	43	55	55	72	-29	0	0	18	0	0	18							
500+25.00	84	42	18	24	42	55	55	72	-30	0	0	18	0	0	18							
500+50.00	84	42	18	24	42	53	53	68	-27	0	0	18	0	0	18							
500+75.00	86	43	19	24	43	49	49	63	-20	0	0	19	0	0	19							
501+00.00	68	28	16	24	28	43	43	56	-29	0	0	16	0	0	16							
501+25.00	46	14	6	25	14	20	20	26	-12	0	0	6	0	0	6							
501+50.00	44	13	0	31	13	1	1	2	12	0	0	0	0	0	0							
501+75.00	44	10	5	29	10	16	16	21	-12	0	0	5	0	0	5							
502+00.00	58	20	14	24	20	36	36	48	-27	0	0	14	0	0	14							
502+25.00	71	29	18	24	29	45	45	59	-30	0	0	18	0	0	18							
502+50.00	68	26	19	24	26	50	50	65	-39	0	0	19	0	0	19							
502+75.00	67	25	18	24	25	54	54	70	-45	0	0	18	0	0	18							
503+00.00	68	26	19	23	26	56	56	73	-47	0	0	19	0	0	19							
503+25.00	67	26	17	23	26	57	57	74	-48	0	0	17	0	0	17							
503+50.00	65	25	16	24	25	58	58	76	-51	0	0	16	0	0	16							
503+75.00	65	25	16	24	25	60	60	78	-52	0	0	16	0	0	16							
504+00.00	65	26	16	24	26	59	59	77	-52	0	0	16	0	0	16							
504+25.00	65	27	14	24	27	58	58	75	-48	0	0	14	0	0	14							
504+50.00																						
Subtotals:	5,668	2,842	1,194	1,632	2,842	2,545	2,545	3,311	-470	0	0	1,194	0	0	1,197							

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

Station	Cut					Fill				Checks (EW-102)		Topsoil										
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink							
504+50.00	72	30	19	24	30	59	59	77	-47	0	0	19	0	0	19							
504+75.00	78	31	23	24	31	60	60	78	-47	0	0	23	0	0	24							
505+00.00	78	31	23	24	31	58	58	76	-44	0	0	23	0	0	23							
505+25.00	80	32	24	24	32	57	57	74	-42	0	0	24	0	0	24							
505+50.00	81	34	23	24	34	54	54	71	-37	0	0	23	0	0	23							
505+75.00	80	34	22	24	34	52	52	68	-33	0	0	22	0	0	22							
506+00.00	81	35	22	24	35	51	51	67	-32	0	0	22	0	0	22							
506+25.00	83	36	23	24	36	51	51	67	-30	0	0	23	0	0	23							
506+50.00	81	38	19	24	38	47	47	62	-24	0	0	19	0	0	19							
506+75.00	79	40	15	24	40	43	43	57	-16	0	0	15	0	0	15							
507+00.00	69	31	14	24	31	43	43	56	-25	0	0	14	0	0	14							
507+25.00	57	20	13	24	20	43	43	56	-36	0	0	13	0	0	13							
507+50.00	58	21	13	24	21	42	42	55	-34	0	0	13	0	0	13							
507+75.00	58	21	13	24	21	42	42	54	-33	0	0	13	0	0	13							
508+00.00	59	22	13	24	22	40	40	52	-30	0	0	13	0	0	13							
508+25.00	60	23	12	24	23	36	36	47	-24	0	0	12	0	0	12							
508+50.00	61	25	10	26	25	23	23	30	-5	0	0	10	0	0	10							
508+75.00	60	23	4	34	23	10	10	13	10	0	0	4	0	0	4							
509+00.00	75	39	2	34	39	4	4	5	34	0	0	2	0	0	2							
509+25.00	89	57	5	27	57	3	3	4	53	0	0	5	0	0	5							
509+50.00	96	59	4	33	59	3	3	4	55	0	0	4	0	0	5							
509+75.00	105	58	3	44	58	0	0	0	58	0	0	3	0	0	4							
510+00.00	108	62	3	43	62	0	0	0	62	0	0	3	0	0	3							
510+25.00	114	76	3	35	76	0	0	0	76	0	0	3	0	0	3							
510+50.00	117	82	4	32	82	0	0	0	81	0	0	4	0	0	4							
510+75.00	116	81	4	30	81	0	0	0	81	0	0	4	0	0	4							
511+00.00	114	80	4	30	80	0	0	0	80	0	0	4	0	0	4							
511+25.00	109	76	4	29	76	0	0	0	76	0	0	4	0	0	4							
511+50.00	29	20	1	8	20	0	0	0	20	0	0	1	0	0	1							
511+57.16	0	0	0	0	0	0	0	0	0	0	0	0	1,095	1,533	-1,533							
Proposed_Topsoil ML059_S_STG4																						
Totals:	11,533	5,187	2,674	3,672	5,187	5,539	5,539	7,208	-2,022	0	0	2,674	1,095	1,533	1,149							

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

	Cut					Fill				Checks (EW-102)		Topsoil										
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
Station	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink							
ML059_N_STG4																						
515+16.85																						
515+25.00	29	20	0	9	20	0	0	0	20	0	0	0	0	0	1							
515+50.00	90	60	2	28	60	0	0	0	60	0	0	2	0	0	2							
515+75.00	89	60	2	28	60	0	0	0	60	0	0	2	0	0	2							
516+00.00	89	58	3	28	58	0	0	0	58	0	0	3	0	0	3							
516+25.00	87	57	3	27	57	0	0	0	57	0	0	3	0	0	3							
516+50.00	90	62	2	26	62	0	0	0	62	0	0	2	0	0	2							
516+75.00	99	65	2	32	65	0	0	0	65	0	0	2	0	0	2							
517+00.00	100	52	3	44	52	0	0	0	52	0	0	3	0	0	3							
517+25.00	94	53	3	38	53	0	0	1	53	0	0	3	0	0	3							
517+50.00	81	50	6	25	50	7	7	9	41	0	0	6	0	0	6							
517+75.00	80	48	9	24	48	9	9	12	36	0	0	9	0	0	9							
518+00.00	71	41	4	25	41	6	6	8	33	0	0	4	0	0	4							
518+25.00	52	19	0	34	19	8	8	11	8	0	0	0	0	0	0							
518+50.00	55	17	5	33	17	17	17	22	-5	0	0	5	0	0	6							
518+75.00	56	20	11	24	20	30	30	38	-18	0	0	11	0	0	12							
519+00.00	56	20	12	24	20	37	37	48	-29	0	0	12	0	0	12							
519+25.00	74	31	16	27	31	40	40	52	-21	0	0	16	0	0	16							
519+50.00	90	40	20	30	40	39	39	51	-11	0	0	20	0	0	20							
519+75.00	86	36	20	30	36	40	40	52	-16	0	0	20	0	0	20							
520+00.00	83	32	21	30	32	43	43	56	-23	0	0	21	0	0	22							
520+25.00	80	31	22	27	31	45	45	59	-28	0	0	22	0	0	22							
520+50.00	78	31	23	24	31	46	46	60	-29	0	0	23	0	0	23							
520+75.00	78	30	25	24	30	49	49	63	-34	0	0	25	0	0	25							
521+00.00	78	29	26	24	29	47	47	61	-33	0	0	26	0	0	26							
521+25.00	78	28	26	24	28	43	43	56	-28	0	0	26	0	0	26							
521+50.00	75	26	25	25	26	44	44	57	-32	0	0	25	0	0	25							
521+75.00	72	24	23	25	24	46	46	60	-36	0	0	23	0	0	23							
522+00.00	69	23	21	25	23	47	47	62	-39	0	0	21	0	0	21							
522+25.00	65	21	20	25	21	49	49	63	-43	0	0	20	0	0	20							
522+50.00	63	19	19	24	19	49	49	64	-45	0	0	19	0	0	19							
522+75.00	59	17	18	25	17	49	49	63	-47	0	0	18	0	0	18							
523+00.00	56	14	17	25	14	48	48	63	-49	0	0	17	0	0	17							
523+25.00	54	13	17	24	13	48	48	63	-50	0	0	17	0	0	17							
523+50.00	53	13	16	24	13	46	46	61	-48	0	0	16	0	0	16							
523+75.00	45	7	10	29	7	32	32	41	-34	0	0	10	0	0	10							
524+00.00	34	0	2	32	0	16	16	20	-20	0	0	2	0	0	2							
524+25.00	30	0	0	30	0	17	17	23	-23	0	0	0	0	0	0							
524+50.00	26	0	0	26	0	25	25	32	-32	0	0	0	0	0	0							
524+75.00	23	0	0	23	0	28	28	37	-37	0	0	0	0	0	0							
525+00.00	23	0	1	22	0	26	26	34	-34	0	0	1	0	0	1							
525+25.00	29	0	6	23	0	26	26	34	-34	0	0	6	0	0	6							
525+50.00	45	6	16	23	6	45	45	59	-53	0	0	16	0	0	16							
525+75.00	58	12	23	23	12	66	66	85	-73	0	0	23	0	0	23							
526+00.00	61	13	25	24	13	72	72	94	-81	0	0	25	0	0	25							
526+25.00	64	15	25	24	15	70	70	92	-77	0	0	25	0	0	25							
526+50.00	67	18	24	25	18	66	66	86	-67	0	0	24	0	0	25							
526+75.00	70	23	22	25	23	60	60	78	-55	0	0	22	0	0	22							
527+00.00	74	27	22	25	27	53	53	69	-42	0	0	22	0	0	22							
527+25.00	78	32	21	25	32	49	49	64	-32	0	0	21	0	0	21							
527+50.00	83	36	22	25	36	47	47	61	-25	0	0	22	0	0	22							
527+75.00	87	42	22	24	42	46	46	60	-18	0	0	22	0	0	22							
528+00.00	93	47	22	24	47	45	45	58	-11	0	0	22	0	0	22							
528+25.00	79	39	16	24	39	40	40	52	-13	0	0	16	0	0	17							
528+50.00	63	27	10	26	27	31	31	40	-14	0	0	10	0	0	10							
528+75.00	64	26	8	30	26	19	19	24	2	0	0	8	0	0	8							
529+00.00	66	27	4	34	27	6	6	7	20	0	0	4	0	0	4							
529+25.00	65	24	0	41	24	3	3	4	20	0	0	0	0	0	0							
529+50.00	60	19	0	41	19	8	8	11	9	0	0	0	0	0	0							
529+75.00	58	19	0	40	19	9	9	12	7	0	0	0	0	0	0							
530+00.00	60	18	0	41	18	8	8	10	8	0	0	0	0	0	0							
530+25.00	57	17	0	40	17	6	6	8	9	0	0	0	0	0	0							
530+50.00	54	15	4	34	15	5	5	6	9	0	0	4	0	0	4							
530+75.00	53	15	9	29	15	9	9	11	4	0	0	9	0	0	9							
531+00.00	52	14	11	27	14	23	23	30	-16	0	0	11	0	0	11							
531+25.00	62	19	16	28	19	39	39	51	-33	0	0	16	0	0	16							
531+50.00	106	47	31	29	47	48	48	62	-15	0	0	31	0	0	31							
531+75.00	146	78	42	27	78	52	52	67	11	0	0	42	0	0	42							
Subtotals:	4,549	1,841	855	1,853	1,841	2,026	2,026	2,637	-797	0	0	855	0	0	858							

FILE NO.		DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER T.31

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

Station	Cut					Fill				Checks (EW-102)		Topsoil										
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink							
531+75.00	163	97	42	24	97	52	52	68	29	0	0	42	0	0	42							
532+00.00	175	110	41	23	110	51	51	66	45	0	0	41	0	0	42							
532+25.00	180	116	41	23	116	49	49	64	52	0	0	41	0	0	41							
532+50.00	177	115	39	23	115	48	48	63	52	0	0	39	0	0	39							
532+75.00	167	107	36	23	107	47	47	62	46	0	0	36	0	0	36							
533+00.00	157	100	34	23	100	46	46	60	40	0	0	34	0	0	34							
533+25.00	148	92	32	24	92	46	46	60	32	0	0	32	0	0	32							
533+50.00	138	84	30	24	84	47	47	61	23	0	0	30	0	0	30							
533+75.00	129	76	29	24	76	49	49	63	13	0	0	29	0	0	29							
534+00.00	125	71	29	24	71	51	51	66	6	0	0	29	0	0	30							
534+25.00	120	66	30	24	66	52	52	68	-2	0	0	30	0	0	30							
534+50.00	113	60	29	24	60	54	54	71	-11	0	0	29	0	0	29							
534+75.00	108	56	28	24	56	57	57	74	-18	0	0	28	0	0	28							
535+00.00	104	52	28	24	52	59	59	76	-25	0	0	28	0	0	28							
535+25.00	99	47	28	24	47	60	60	78	-31	0	0	28	0	0	28							
535+50.00	96	44	27	24	44	63	63	82	-37	0	0	27	0	0	27							
535+75.00	92	41	26	24	41	68	68	88	-47	0	0	26	0	0	26							
536+00.00	88	40	24	24	40	69	69	90	-50	0	0	24	0	0	24							
536+25.00	89	41	24	24	41	69	69	90	-49	0	0	24	0	0	24							
536+50.00	90	42	24	24	42	68	68	89	-47	0	0	24	0	0	24							
536+75.00	92	45	23	24	45	67	67	87	-42	0	0	23	0	0	23							
537+00.00	95	47	24	24	47	69	69	90	-43	0	0	24	0	0	24							
537+25.00	97	49	25	24	49	72	72	94	-46	0	0	25	0	0	25							
537+50.00	100	51	25	24	51	75	75	98	-47	0	0	25	0	0	26							
537+75.00	103	53	27	24	53	78	78	101	-48	0	0	27	0	0	27							
538+00.00	107	56	27	24	56	80	80	105	-49	0	0	27	0	0	27							
538+25.00	110	59	28	24	59	83	83	107	-49	0	0	28	0	0	28							
538+50.00	113	61	28	24	61	84	84	110	-49	0	0	28	0	0	28							
538+75.00	115	62	29	24	62	89	89	115	-53	0	0	29	0	0	29							
539+00.00	117	64	29	24	64	95	95	123	-59	0	0	29	0	0	29							
539+25.00	121	67	30	24	67	100	100	130	-63	0	0	30	0	0	30							
539+50.00	123	69	30	24	69	103	103	133	-64	0	0	30	0	0	30							
539+75.00	125	71	31	24	71	100	100	130	-60	0	0	31	0	0	31							
540+00.00	127	72	31	24	72	95	95	124	-52	0	0	31	0	0	31							
540+25.00	128	73	31	24	73	92	92	120	-47	0	0	31	0	0	31							
540+50.00	129	74	31	24	74	89	89	115	-41	0	0	31	0	0	31							
540+75.00	129	75	30	24	75	82	82	107	-32	0	0	30	0	0	30							
541+00.00	127	75	29	24	75	75	75	97	-22	0	0	29	0	0	29							
541+25.00	126	75	28	24	75	67	67	87	-13	0	0	28	0	0	28							
541+50.00	127	76	27	24	76	57	57	75	2	0	0	27	0	0	27							
541+75.00	121	73	24	24	73	42	42	55	18	0	0	24	0	0	25							
542+00.00	115	69	22	24	69	20	20	27	43	0	0	22	0	0	22							
542+25.00	112	67	21	24	67	4	4	5	62	0	0	21	0	0	22							
542+50.00	106	63	20	24	63	1	1	1	62	0	0	20	0	0	20							
542+75.00	99	57	19	24	57	1	1	1	56	0	0	19	0	0	19							
543+00.00	93	53	17	23	53	1	1	1	52	0	0	17	0	0	17							
543+25.00	88	50	16	23	50	1	1	1	49	0	0	16	0	0	16							
543+50.00	83	46	14	22	46	1	1	1	45	0	0	14	0	0	14							
543+75.00	78	43	13	22	43	1	1	1	42	0	0	13	0	0	13							
544+00.00	75	41	13	22	41	1	1	1	40	0	0	13	0	0	13							
544+25.00	71	37	12	22	37	1	1	1	36	0	0	12	0	0	12							
544+50.00	64	33	11	21	33	1	1	1	32	0	0	11	0	0	11							
544+75.00	59	30	9	20	30	1	1	1	29	0	0	9	0	0	9							
545+00.00	55	28	8	19	28	1	1	1	28	0	0	8	0	0	8							
545+25.00	53	27	7	19	27	1	1	1	26	0	0	7	0	0	7							
545+50.00	51	28	6	18	28	1	1	1	27	0	0	6	0	0	6							
545+75.00	48	23	4	22	23	1	1	1	22	0	0	4	0	0	4							
546+00.00	44	16	2	26	16	1	1	1	15	0	0	2	0	0	2							
546+25.00	44	17	2	25	17	1	1	1	16	0	0	2	0	0	2							
546+50.00	46	20	2	24	20	1	1	1	19	0	0	2	0	0	2							
546+75.00	48	23	3	22	23	1	1	1	22	0	0	3	0	0	3							
547+00.00	49	25	3	21	25	1	1	1	25	0	0	3	0	0	3							
547+25.00	52	27	5	20	27	1	1	1	26	0	0	5	0	0	5							
547+50.00	56	28	8	19	28	0	0	1	28	0	0	8	0	0	8							
547+75.00	57	30	9	18	30	0	0	0	30	0	0	9	0	0	9							
548+00.00	59	32	10	17	32	0	0	0	32	0	0	10	0	0	10							
548+25.00	60	34	10	16	34	0	0	0	34	0	0	10	0	0	10							
548+50.00	60	35	10	15	35	0	0	0	35	0	0	10	0	0	10							
548+75.00																						
Subtotals:	6,816	3,790	1,481	1,545	3,790	2,840	2,840	3,695	95	0	0	1,481	0	0	1,484							

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut					Fill				Checks (EW-102)		Topsoil										
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink							
548+75.00	60	35	10	15	35	0	0	0	35	0	0	10	0	0	10							
549+00.00	60	35	10	14	35	0	0	0	35	0	0	10	0	0	10							
549+25.00	60	35	11	14	35	0	0	0	35	0	0	11	0	0	11							
549+50.00	59	34	11	14	34	0	0	0	34	0	0	11	0	0	11							
549+75.00	57	34	10	13	34	0	0	0	34	0	0	10	0	0	10							
550+00.00	57	34	10	13	34	0	0	0	34	0	0	10	0	0	10							
550+25.00	55	32	9	13	32	0	0	0	32	0	0	9	0	0	10							
550+50.00	54	31	10	13	31	0	0	1	30	0	0	10	0	0	10							
550+75.00	53	30	10	13	30	1	1	1	29	0	0	10	0	0	10							
551+00.00	52	30	9	13	30	1	1	2	29	0	0	9	0	0	9							
551+25.00	53	31	9	13	31	1	1	1	30	0	0	9	0	0	9							
551+50.00	3	2	1	1	2	0	0	0	2	0	0	1	0	0	1							
551+53.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
551+53.02	33	33	0	0	33	0	0	0	33	0	0	0	0	0	0							
551+75.00	37	37	0	0	37	0	0	0	37	0	0	0	0	0	0							
552+00.00	37	37	0	0	37	0	0	0	37	0	0	0	0	0	0							
552+25.00	36	36	0	0	36	0	0	0	36	0	0	0	0	0	0							
552+50.00	35	35	0	0	35	0	0	0	35	0	0	0	0	0	0							
552+75.00	34	34	0	0	34	0	0	0	34	0	0	0	0	0	0							
553+00.00	33	33	0	0	33	0	0	0	33	0	0	0	0	0	0							
553+25.00	32	32	0	0	32	0	0	0	32	0	0	0	0	0	0							
553+50.00	31	31	0	0	31	0	0	0	31	0	0	0	0	0	0							
553+75.00	30	30	0	0	30	0	0	0	30	0	0	0	0	0	0							
554+00.00	28	28	0	0	28	0	0	0	29	0	0	0	0	0	0							
554+25.00	28	28	0	0	28	0	0	0	28	0	0	0	0	0	0							
554+50.00	27	27	0	0	27	0	0	0	27	0	0	0	0	0	0							
554+75.00	27	27	0	0	27	0	0	0	27	0	0	0	0	0	0							
555+00.00	26	26	0	0	26	0	0	0	26	0	0	0	0	0	0							
555+25.00	16	16	0	0	16	0	0	0	16	0	0	0	0	0	0							
555+40.00	0	0	0	0	0	0	0	0	0	0	0	0	558	782	-782							
Proposed_Topsoil ML059_N_STG4																						
Totals:	12,474	6,482	2,446	3,547	6,482	4,870	4,870	6,338	145	0	0	2,446	559	782	1,670							

FILE NO.		DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER T.33	

8/24/2026 1:18:11 PM cschins c:\pw_work\pwmain\idotcentral_cschins\d2549179\T03_78059056Z06.xlsm

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut					Fill				Checks (EW-102)		Topsoil										
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink							
SRPershing_STG4																						
1472+23.87	5	4	0	1	4	0	0	0	4	0	0	0	0	0	0							
1472+25.00	110	77	11	23	77	0	0	0	77	0	0	11	0	0	11							
1472+50.00	14	10	2	1	10	0	0	0	10	0	0	2	0	0	2							
1472+55.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
Proposed_Topsoil																						
SRPershing_STG4																						
Totals:	129	91	14	25	91	0	0	0	91	0	0	14	0	0	14							

FILE NO.		DESIGN TEAM	Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER	NHSX-059-3(056)--3H-78	SHEET NUMBER	T.34	

8/24/2026 1:18:12 PM cschins c:\pw_work\pwmain\idotcentral_cschins\d2549179\T03_78059056Z06.xlsm

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut					Fill				Checks (EW-102)		Topsoil										
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink							
SRWoodEast_STG4																						
2476+42.70	41	32	0	10	32	0	0	0	32	0	0	0	0	0	0							
2476+50.00	133	86	28	19	86	30	30	39	47	0	0	28	0	0	28							
2476+75.00	58	31	23	4	31	24	24	31	0	0	0	23	0	0	23							
2476+95.00	0	0	0	0	0	0	0	0	0	0	0	0	40	56	-56							
Proposed_Topsoil																						
SRWoodEast_STG4																						
Totals:	233	149	51	33	149	54	54	71	79	0	0	51	40	56	-6							

FILE NO.		DESIGN TEAM	Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER	NHSX-059-3(056)--3H-78	SHEET NUMBER	T.35	

8/24/2026 1:18:12 PM cschins c:\pw_work\pwmain\idotcentral_cschins\d2549179\T03_78059056Z06.xlsm

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut					Fill				Checks (EW-102)		Topsoil										
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink							
SRLavista_STG4																						
3502+16.23	46	46	0	0	46	0	0	0	46	0	0	0	0	0	0							
3502+25.00	50	50	0	0	50	0	0	0	50	0	0	0	0	0	0							
3502+42.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
Proposed_Topsoil																						
SRLavista_STG4																						
Totals:	96	96	0	0	96	0	0	0	96	0	0	0	0	0	0							

FILE NO.		DESIGN TEAM	Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE	COUNTY	PROJECT NUMBER	NHSX-059-3(056)--3H-78	SHEET NUMBER	T.36	

8/24/2026 1:18:13 PM cschins c:\pw_work\pwmain\idotcentral_cschins\d2549179\T03_78059056Z06.xlsm

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

	Cut					Fill				Checks (EW-102)		Topsoil										
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
Station	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink							
SRYork_STG4																						
5530+17.12																						
5530+25.00	126	70	2	54	70	0	0	0	70	0	0	2	0	0	2							
5530+50.00	477	282	29	166	282	0	0	0	282	0	0	29	0	0	29							
5530+75.00	325	192	31	102	192	0	0	0	192	0	0	31	0	0	31							
5531+00.00	209	121	12	75	121	0	0	0	122	0	0	12	0	0	12							
5531+25.00	145	78	9	59	78	0	0	0	78	0	0	9	0	0	9							
5531+45.00	84	39	3	42	39	0	0	0	39	0	0	3	0	0	3							
Proposed_Topsoil	0	0	0	0	0	0	0	0	0	0	0	0	51	71	-71							
SRYork_STG4																						
Totals:	1,365	781	86	499	781	1	1	1	782	0	0	86	51	72	15							

FILE NO.		DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER T.37	

8/24/2026 1:18:13 PM cschins c:\pw_work\pwmain\idotcentral_cschins\d2549179\T03_78059056Z06.xlsm

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

107-28
04-21-15

Station	Cut					Fill				Checks (EW-102)		Topsoil										
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink							
Add_Volumes_STG4																						
RMP059D_STG4	1,316	742	215	359	742	52	52	68	674	0	0	215	123	172	43							
RMP059E_STG4	851	420	209	221	420	30	30	39	380	0	0	209	141	197	12							
ENT8504R_STG4	370	207	55	109	207	24	24	31	175	0	0	55	20	28	27							
DETSRYork_STG4A	22	22	0	0	22	0	0	0	22	0	0	0	0	0	0							
END																						
Add_Volumes_STG4																						
Totals:	2,560	1,391	480	690	1,391	107	107	139	1,253	0	0	480	284	398	82							

FILE NO.		DESIGN TEAM	Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE	COUNTY	PROJECT NUMBER	NHSX-059-3(056)--3H-78	SHEET NUMBER	T.38	

Refer to Standard Road Plans EW-101 and EW-102.

TABULATION OF TEMPLATE QUANTITIES AND ADJUSTMENTS

Station	Cut					Fill				Checks (EW-102)		Topsoil										
	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]	[22]
								[7] X 1.3	[5] - [8]					[13] X 1.4	[12] - [14]							
	Total Cut Unadjusted Volume	Total Class 10 Unadjusted Volume	Topsoil Cut Volume	Template Pavement Removal Volume	Total Cut Adjusted	Total Fill Unadjusted Volume	Total Fill Adjusted	Total Fill Adjusted w/ Weighted Average 1.3 Shrink Factor	Total Cut Adjusted Minus Fill w/ Shrink	Approx. Fill Vol. Below 5' & Above 20' w/ Shrink	Approx. Fill Volume Below 3' w/ Shrink	Topsoil Stripping Undercut Volume	Topsoil Placement Undercut Volume	Topsoil Placement With 1.4 Shrink Factor	Topsoil Stripping Minus Topsoil Placement w/Shrink							
Summary:																						
Stage 1																						
DETML059_Sec1_STG1	38	20	19	0	20	2	2	2	18	0	0	19	0	0	19							
DETML059_Sec2_STG1	157	137	20	0	137	1	1	1	137	0	0	20	0	0	21							
DETML059_Sec3_STG1	111	69	43	0	69	36	36	47	23	0	0	43	0	0	43							
DETML059_Sec4_STG1	382	192	191	0	192	392	392	510	-320	0	0	191	0	0	192							
DETML059_Sec5_STG1	936	291	645	0	291	2,893	2,893	3,762	-3,473	0	0	645	0	0	646							
DETML059_Sec6_STG1	966	683	283	0	683	221	221	290	396	0	0	283	0	0	286							
DETRMP059B_STG1	128	128	0	0	128	120	120	157	-29	0	0	0	0	0	0							
DETRMP059C_STG1	99	99	0	0	99	1,802	1,802	2,343	-2,246	0	0	0	0	0	0							
DETRMP059D_STG1	157	151	0	7	151	251	251	327	-177	0	0	0	0	0	0							
DETRMP059E_STG1	176	170	5	2	170	205	205	268	-98	0	0	5	0	0	5							
DETSRWood_STG1	34	34	0	0	34	22	22	28	6	0	0	0	0	0	0							
DETSRYork1_STG1	110	110	0	0	110	1	1	1	110	0	0	0	0	0	0							
Add_Volumes_STG1	503	345	106	53	345	226	226	294	52	0	0	106	0	0	106							
Stage 1 Subtotals:	3,797	2,429	1,312	62	2,429	6,172	6,172	8,030	-5,601	0	0	1,312	0	0	1,318							
Stage 2																						
ML059_S_STG2	9,578	2,795	3,110	3,674	2,795	7,921	7,921	10,305	-7,514	0	0	3,110	1,740	2,436	682							
ML059_N_STG2	9,004	4,255	1,105	3,645	4,255	5,572	5,572	7,251	-2,998	0	0	1,105	1,153	1,615	-505							
SRMarty_STG2	623	348	29	246	348	11	11	14	335	0	0	29	0	0	30							
SRWoodWest_STG2	584	324	59	203	324	35	35	46	279	0	0	59	40	55	4							
DETML059SB_1_STG2A	229	149	81	0	149	125	125	162	-14	0	0	81	0	0	82							
DETML059SB_2_STG2	315	179	89	49	179	890	890	1,159	-982	0	0	89	0	0	90							
DETSRWoodWest_STG2	61	34	28	0	34	28	28	36	-3	0	0	28	0	0	29							
Add_Volumes_STG2	3,309	1,694	823	793	1,694	2,042	2,042	2,655	-961	0	0	823	655	917	-95							
Stage 2 Subtotals:	23,703	9,778	5,324	8,610	9,778	16,624	16,624	21,628	-11,858	0	0	5,324	3,588	5,023	317							
Stage 4																						
ML059_S_STG4	11,534	5,188	2,674	3,673	5,188	5,539	5,539	7,208	-2,023	0	0	2,674	1,095	1,533	1,149							
ML059_N_STG4	12,474	6,482	2,446	3,547	6,482	4,870	4,870	6,338	145	0	0	2,446	559	782	1,670							
SRPershing_STG4	129	91	14	25	91	0	0	0	91	0	0	14	0	0	14							
SRWoodEast_STG4	233	149	51	33	149	54	54	71	79	0	0	51	40	56	-6							
SRLavista_STG4	96	96	0	0	96	0	0	0	96	0	0	0	0	0	0							
SRYork_STG4	1,365	781	86	499	781	1	1	1	782	0	0	86	51	72	15							
Add_Volumes_STG4	2,560	1,391	480	690	1,391	107	107	139	1,253	0	0	480	284	398	82							
Stage 4 Subtotals:	28,391	14,178	5,751	8,467	14,178	10,571	10,571	13,757	423	0	0	5,751	2,029	2,841	2,924							
Project Totals:	55,891	26,385	12,387	17,139	26,385	33,367	33,367	43,415	-17,036	0	0	12,387	5,617	7,864	4,559							

EMBANKMENT-IN-PLACE CONTRACTOR FURNISHED:

STAGE 1:	5,601 ÷ 1.3 =	4,308	CY
STAGE 2:	11,858 ÷ 1.3 =	9,122	CY
STAGE 4:	---	0	CY
	[9] ÷ 1.3	13,430	CY

EXCAVATION CLASS 10, ROADWAY AND BORROW:

STAGE 1:	2,429	CY
STAGE 2:	9,778	CY
STAGE 4:	14,178	CY
	26,385	CY
	[5]	

EXCAVATION CLASS 10, WASTE:

STAGE 1:	0	CY
STAGE 2:	0	CY
STAGE 4:	423	CY
	423	CY
	[9]	

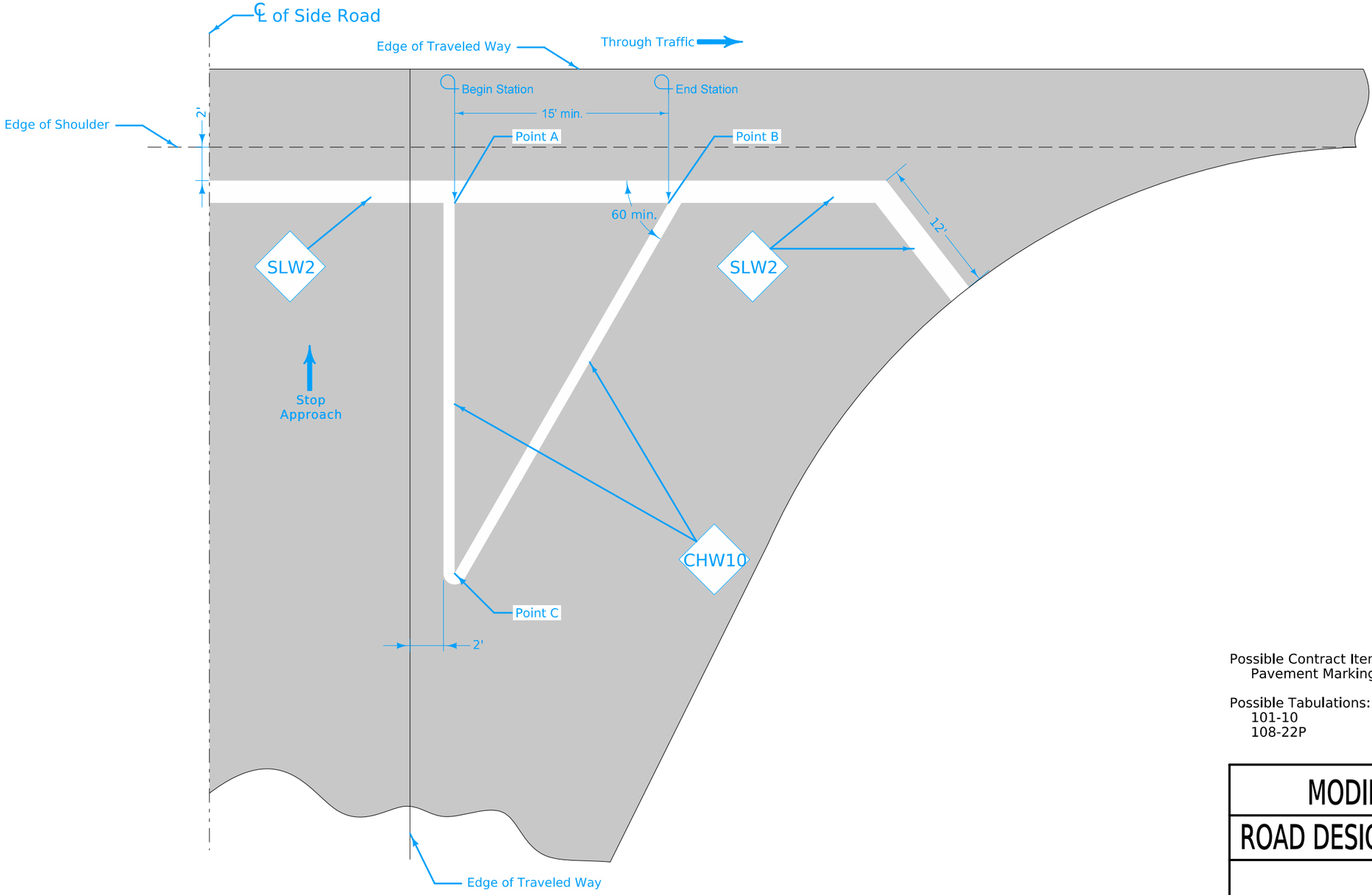
TOPSOIL, STRIP, SALVAGE, AND SPREAD:

STAGE 1:	1,312	CY
STAGE 2:	5,324	CY
STAGE 4:	5,751	CY
	12,387	CY
	[12]	

COMPACTION WITH MOISTURE CONTROL:

STAGE 1:	6,172	CY
STAGE 2:	16,624	CY
STAGE 4:	10,571	CY
	33,367	CY
	[7]	

For pavement marking line types, see PM-110.
For stop line information, see PM-120.
12' stop line perpendicular to the radius.



Possible Contract Item:
Pavement Marking Line Items

Possible Tabulations:
101-10
108-22P

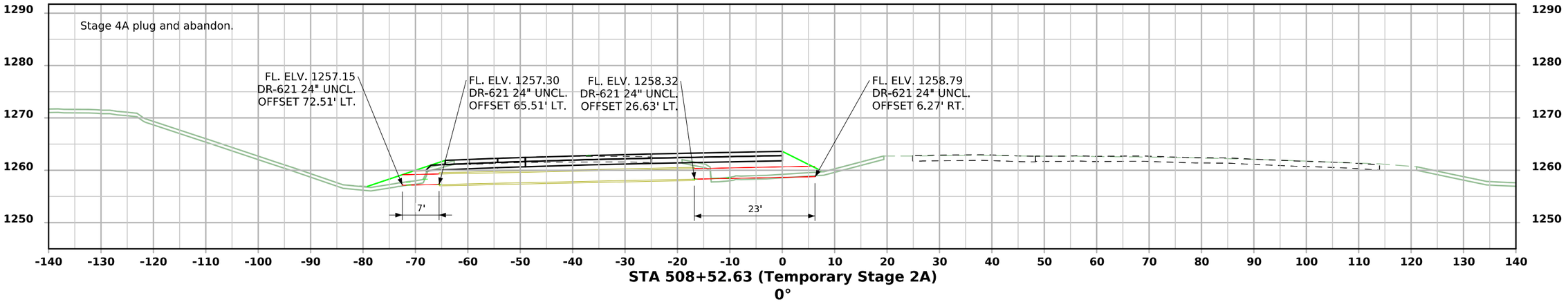
	REVISION
MODIFIED	
ROAD DESIGN DETAIL	560-5M
	SHEET 1 of 1

PAINTED ISLANDS

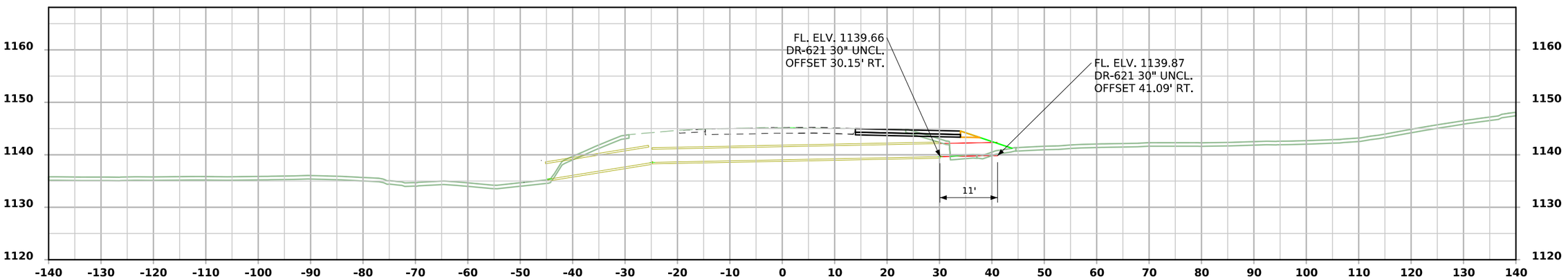
FILE NO.	ENGLISH	DESIGN TEAM **Flattery\Bell\Boudreaux\Schinstock**	**POTTAWATTAMIE** COUNTY	PROJECT NUMBER **NHSX-059-3(056)--3H-78**	SHEET NUMBER **U.1**

3:55:57 PM 9/1/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\U01_78059056Z06.dgn

US 59 Pipes



STA 508+52.63 (Temporary Stage 2A)
0°

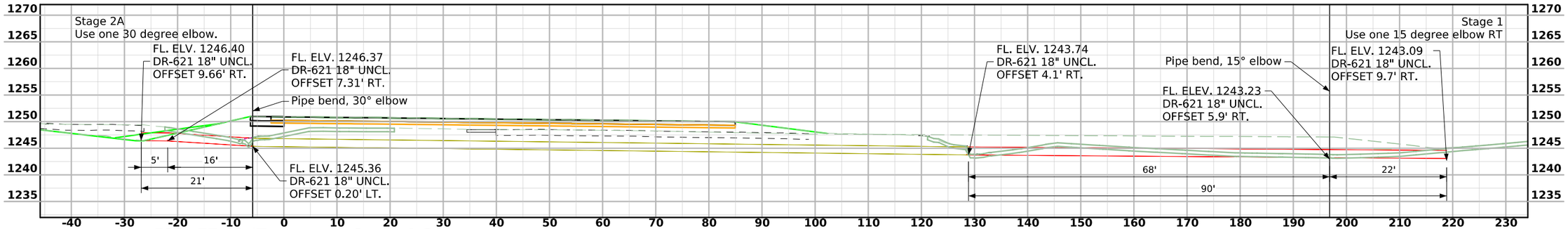


STA 472+65.34 (Temporary Stage 1)
0°

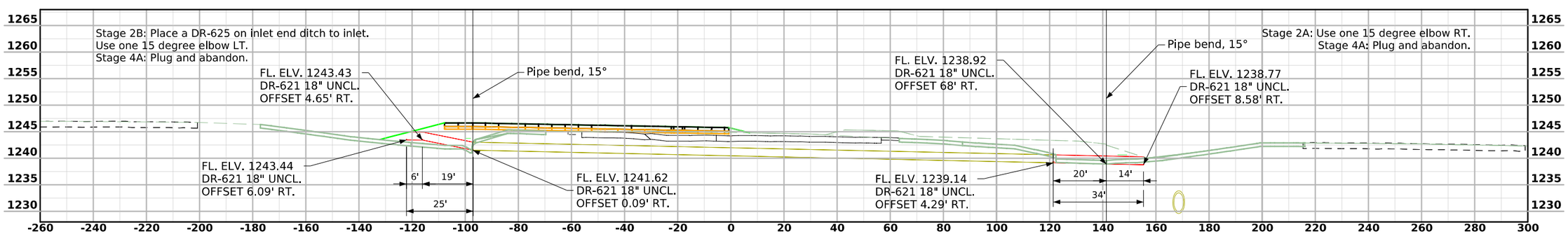
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER VW.1

11:17:13 AM 10/1/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\VW_78059056Z06_Pipes.dgn

US 59 Pipes



Sta. 523+77.42 (Temporary Stage 1-2A)
2° RT Ahead

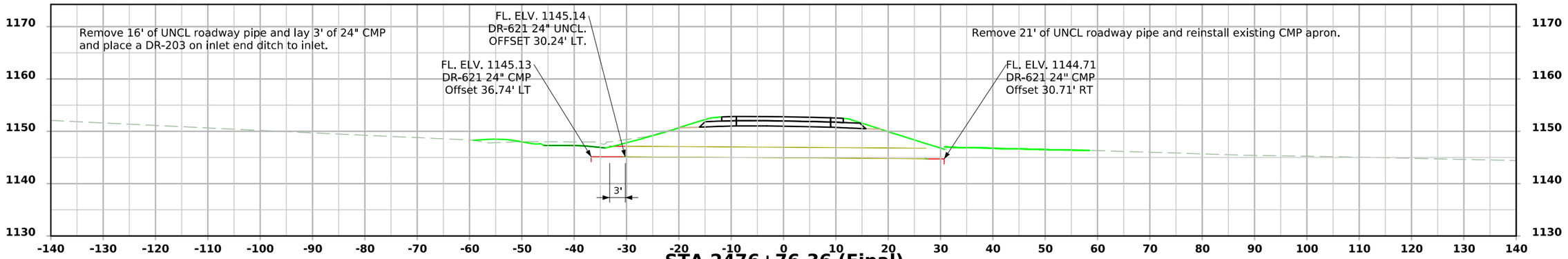


Sta. 529+69.07 (Temporary Stage 2A-2B)
1° RT Ahead

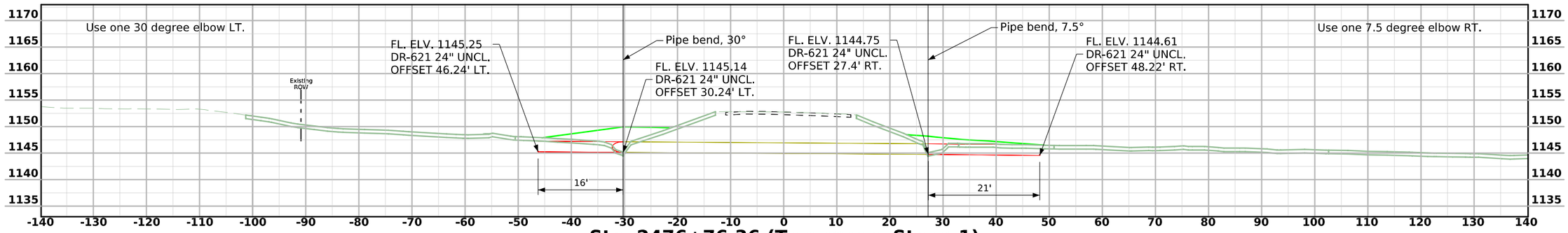
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER VW.2

11:17:17 AM 10/1/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\VW_78059056Z06_Pipes.dgn

Wood St East Pipe

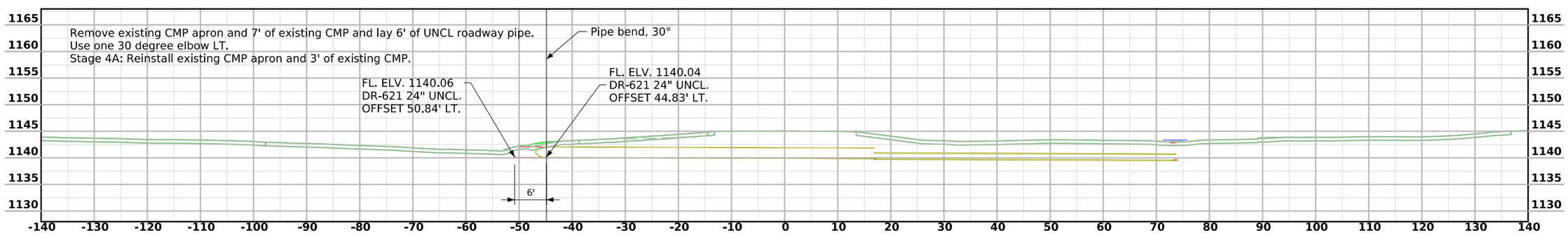


STA 2476+76.36 (Final)
1° LT Ahead



Sta. 2476+76.36 (Temporary Stage 1)
1° LT Ahead

Pershing St. Pipe

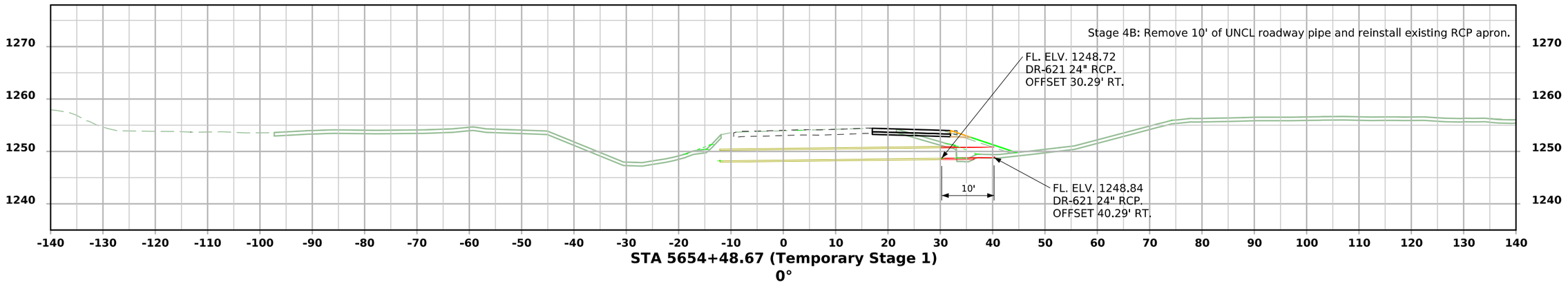


Sta. 1472+49.53 (Temporary Stage 1)
2° RT Ahead

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER VX.1

11:37:59 AM 10/1/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\VW_78059056Z06_Pipes.dgn

Ramp E Pipe



STA 5654+48.67 (Temporary Stage 1)
0°

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER VY.1

11:19:33 AM 10/1/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\VW_78059056Z06_Pipes.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
(231)	Temporary Detour

NOTES:

Text

NOTES:

Text

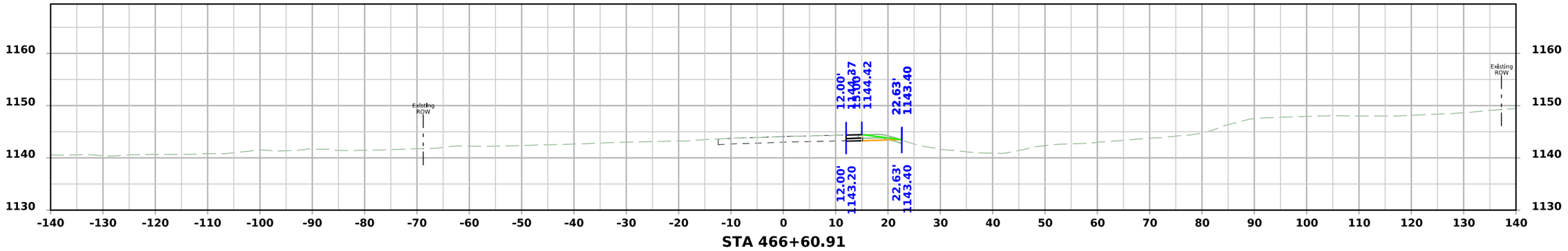
CROSS SECTIONS
LEGEND AND INFORMATION SHEET

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

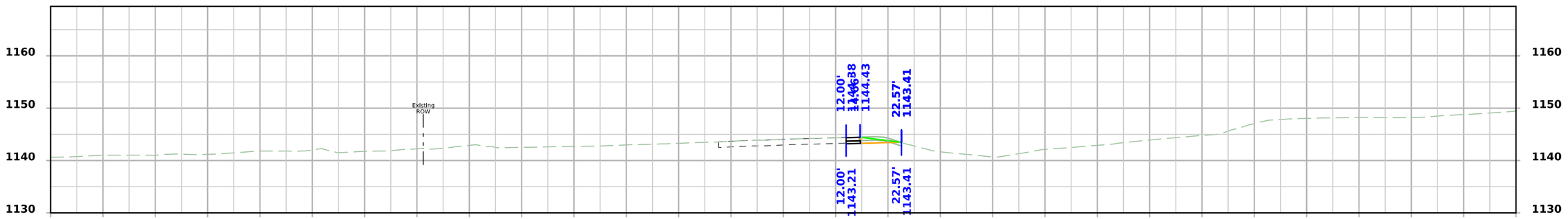
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1	

3:10:23 PM 8/31/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Sheet_Files\LGD_78059056Z06.dgn

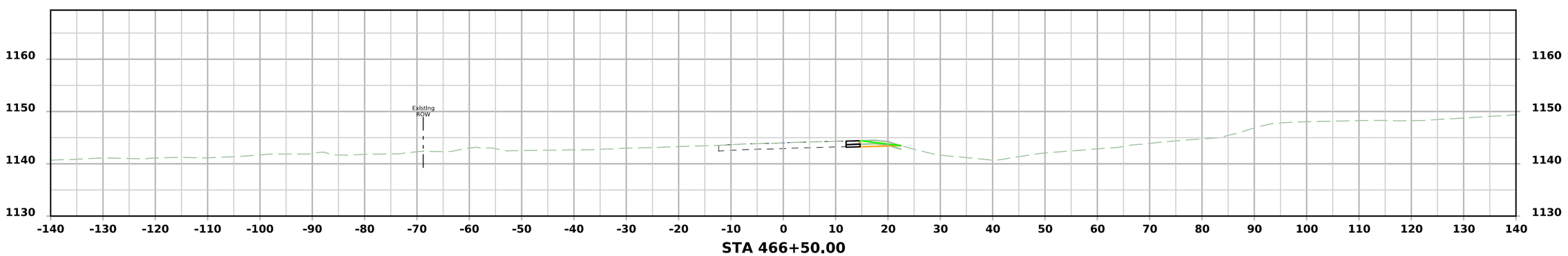
US 59 Stage 1



STA 466+60.91



STA 466+51.94

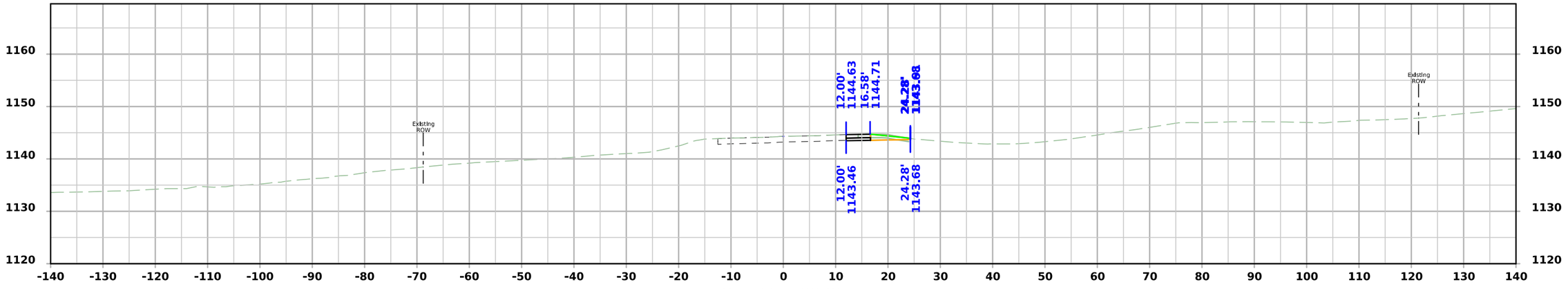


STA 466+50.00

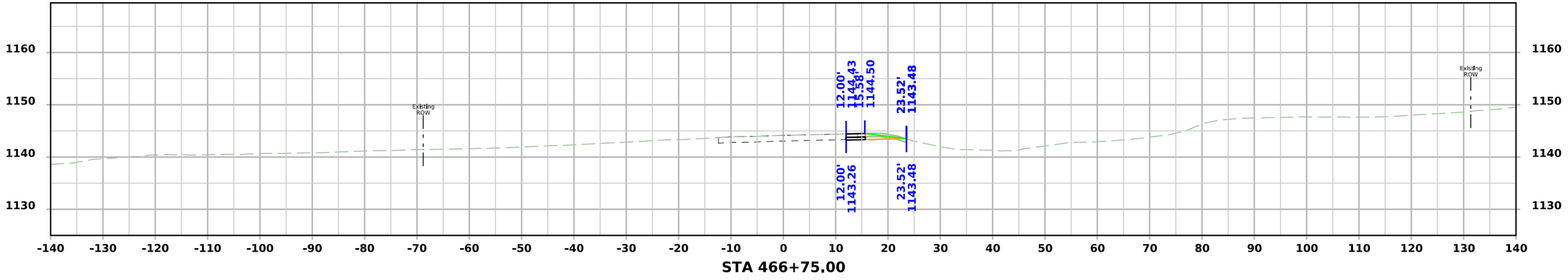
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1000

5:05:06 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1



STA 467+00.00

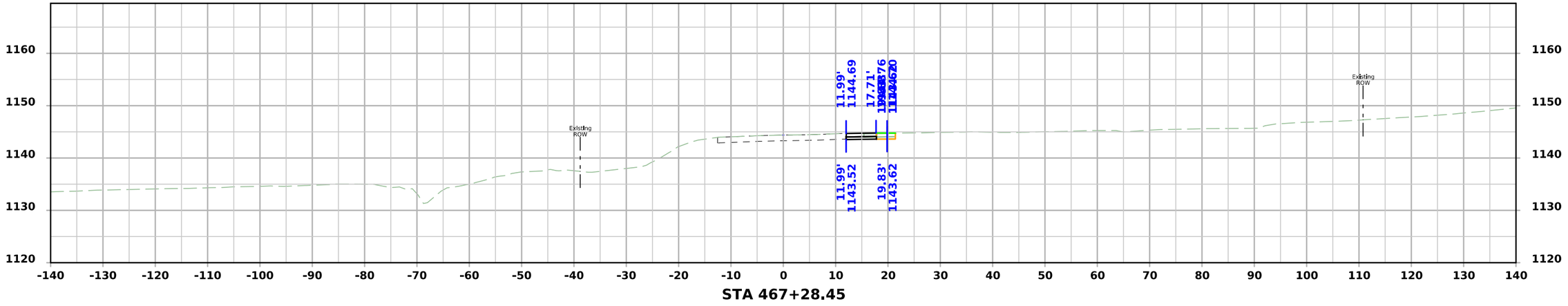


STA 466+75.00

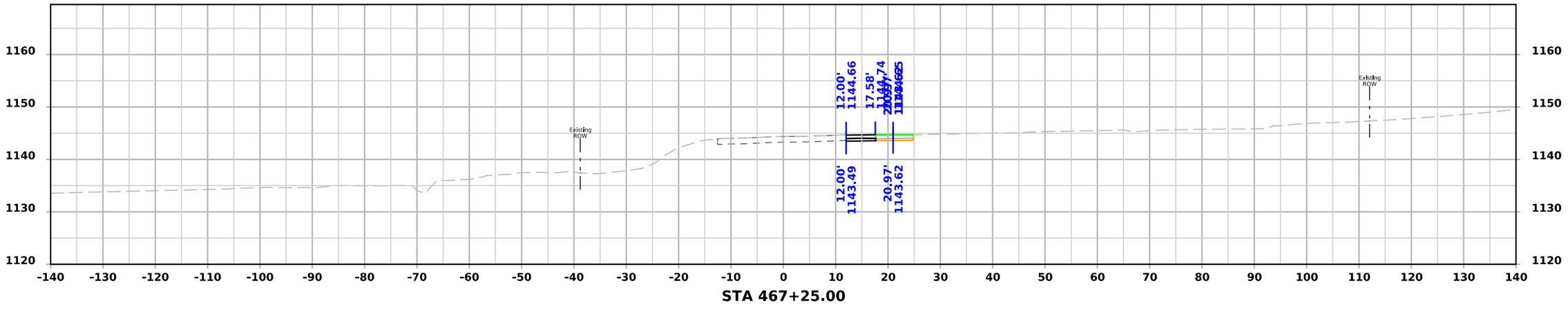
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1001

5:05:09 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1



STA 467+28.45

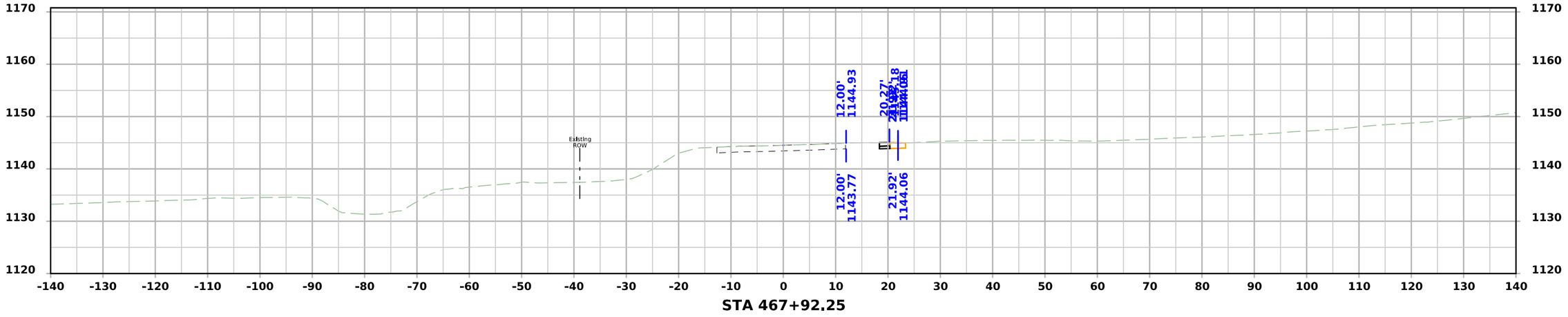


STA 467+25.00

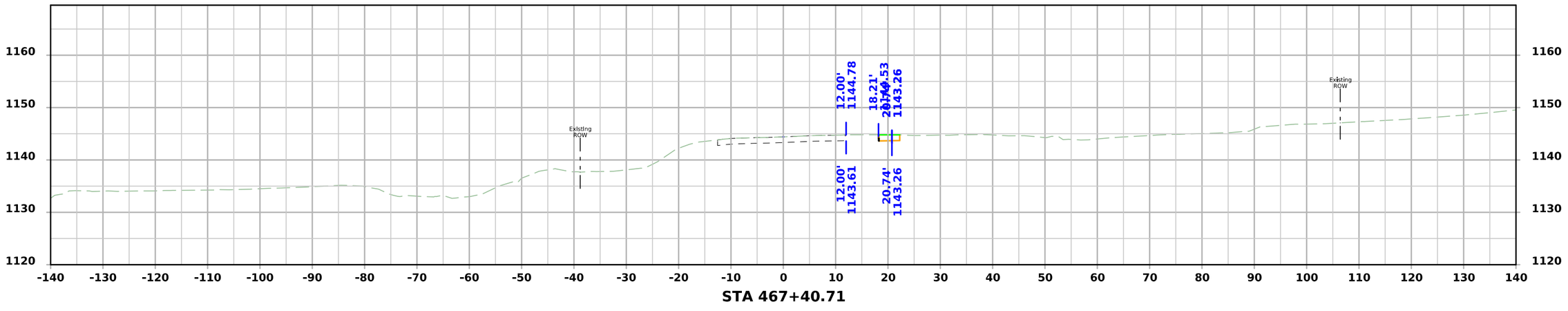
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1002

5:05:11 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1



STA 467+92.25

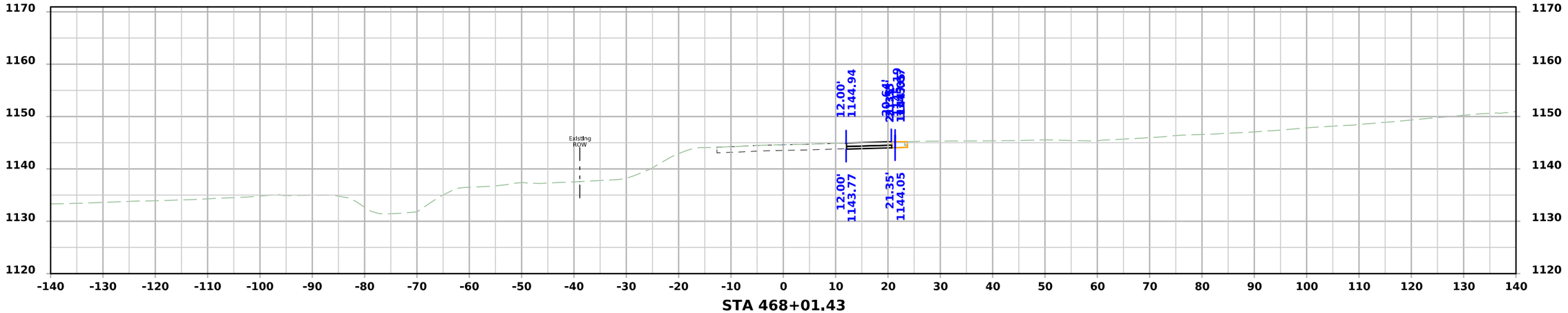


STA 467+40.71

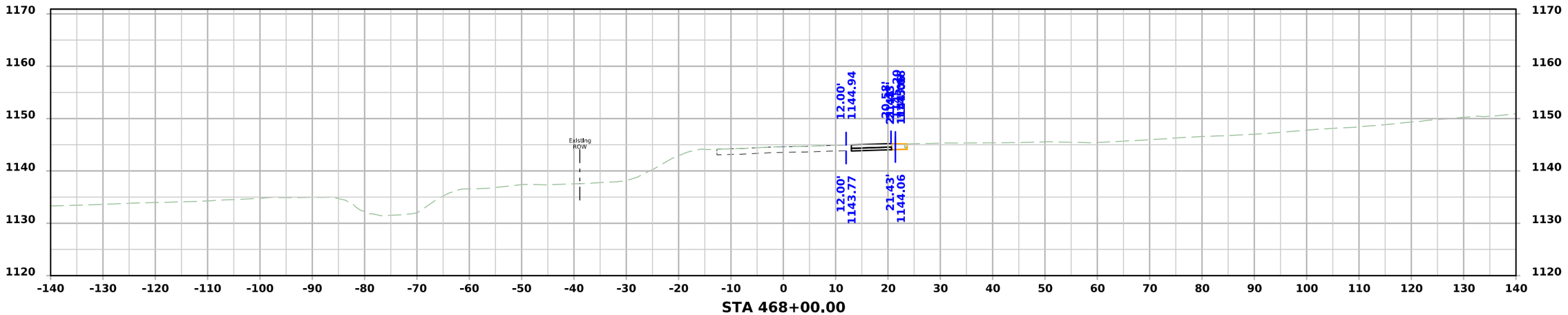
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1003

5:05:13 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1



STA 468+01.43

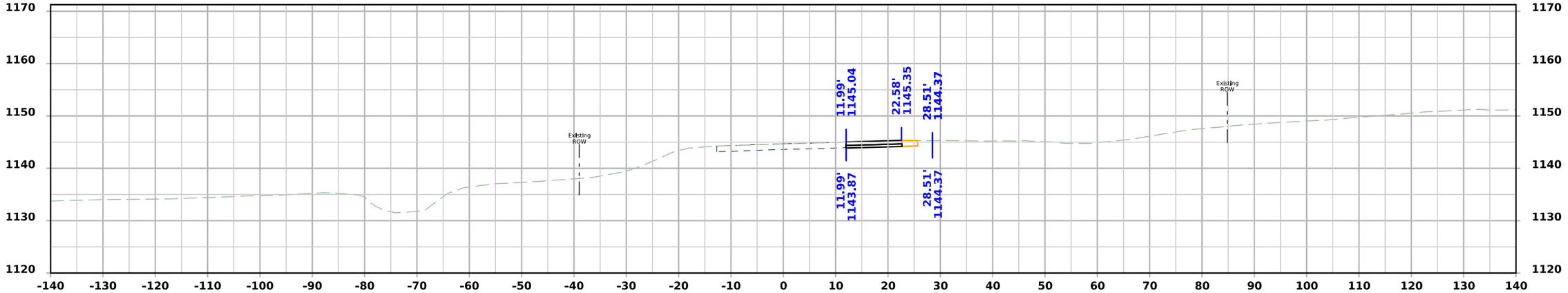


STA 468+00.00

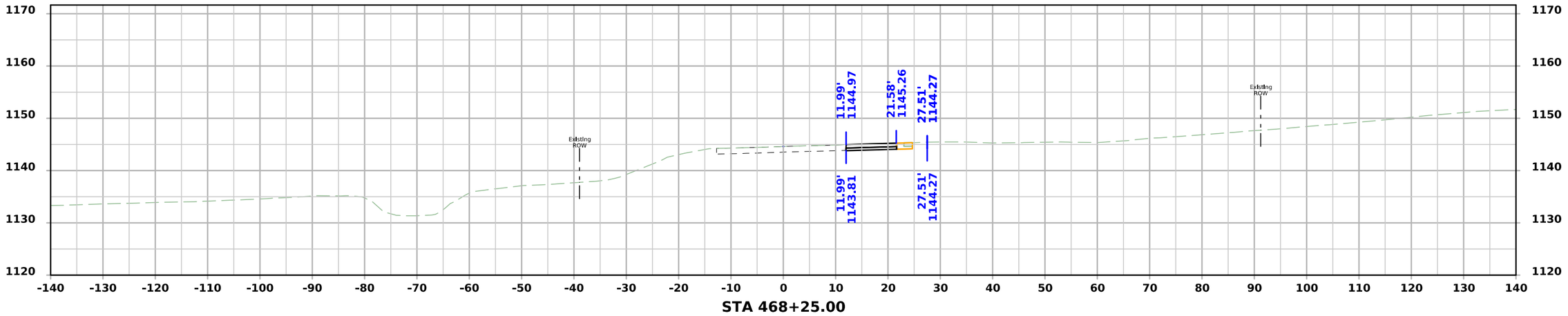
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1004

5:05:15 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1



STA 468+50.00

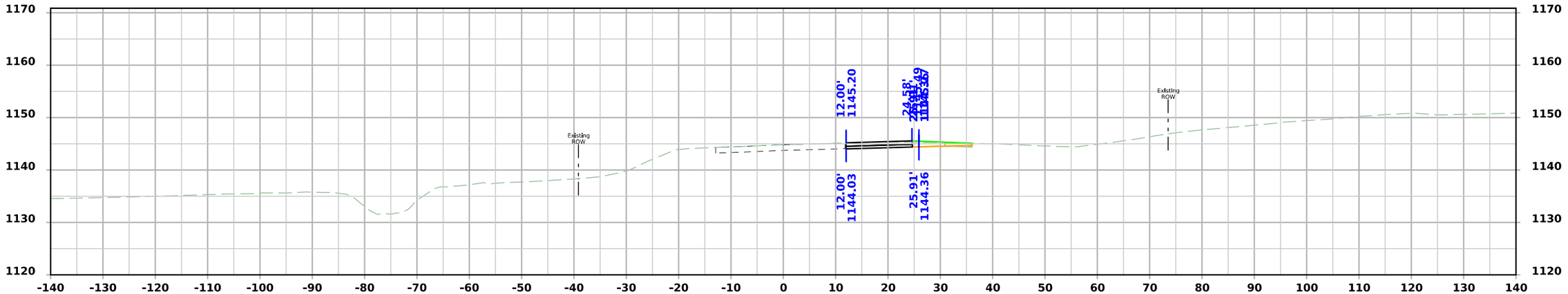


STA 468+25.00

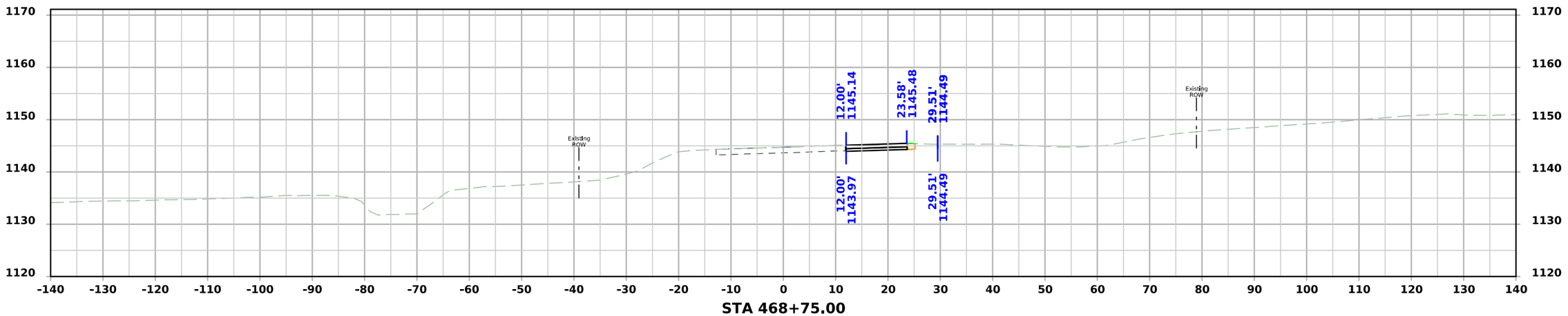
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1005

5:05:16 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1



STA 469+00.00

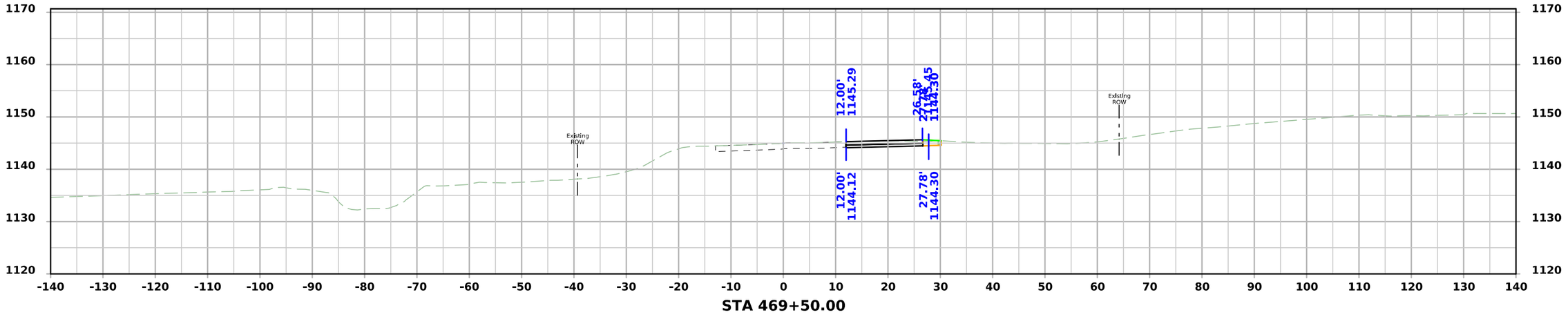


STA 468+75.00

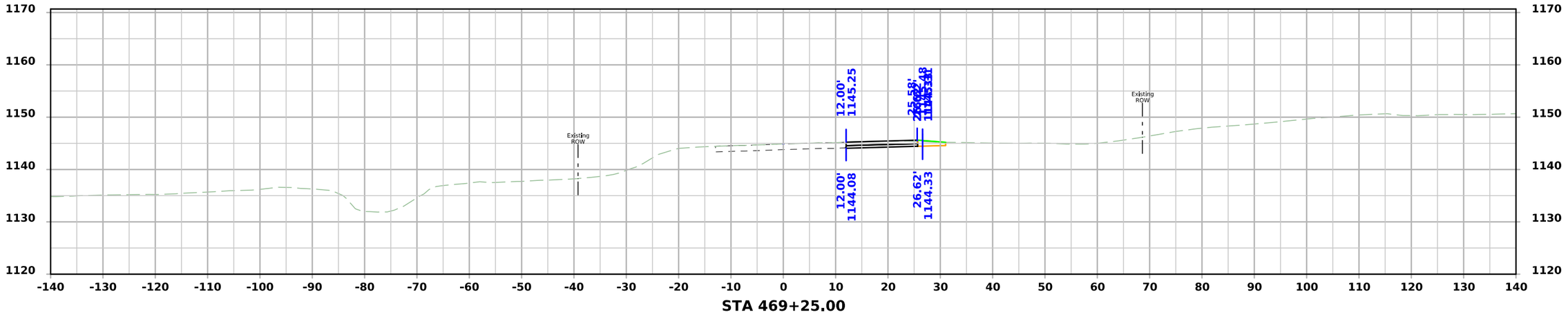
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1006

5:05:18 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1



STA 469+50.00

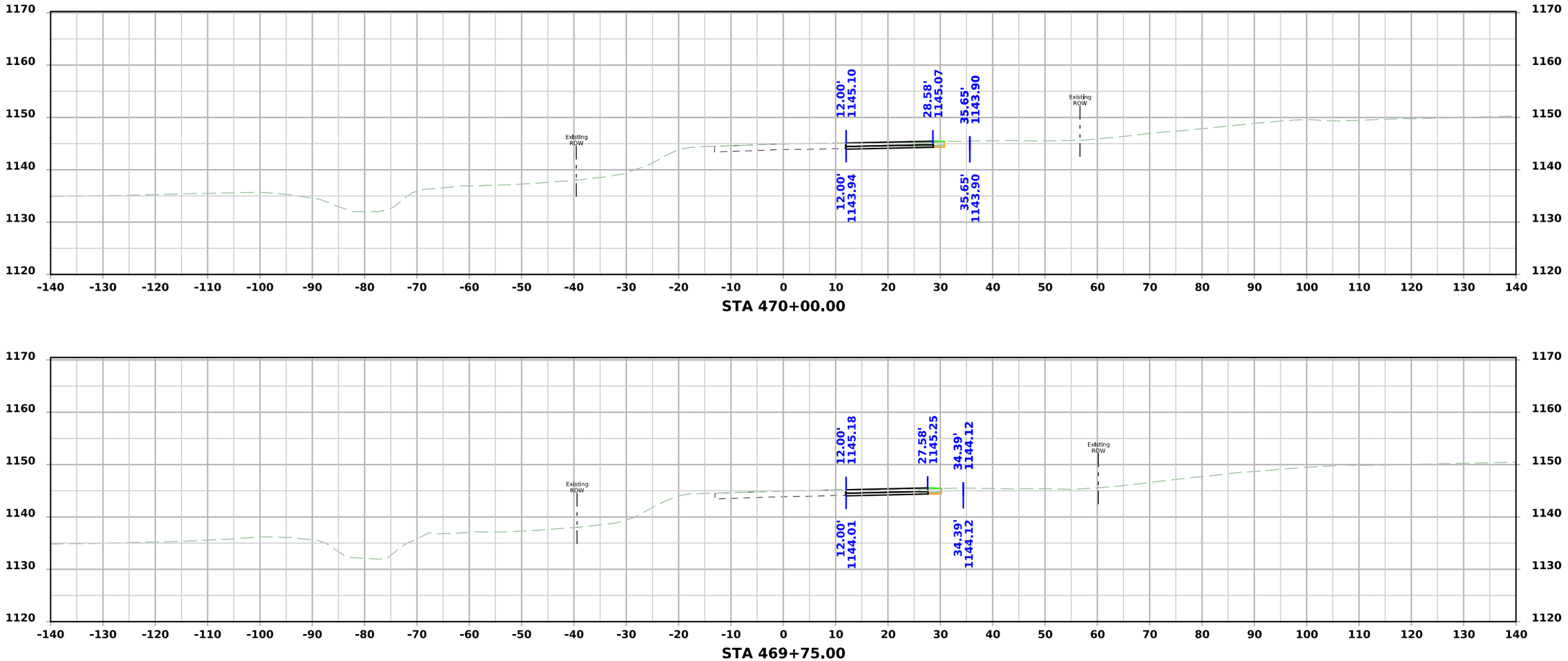


STA 469+25.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1007

5:05:19 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

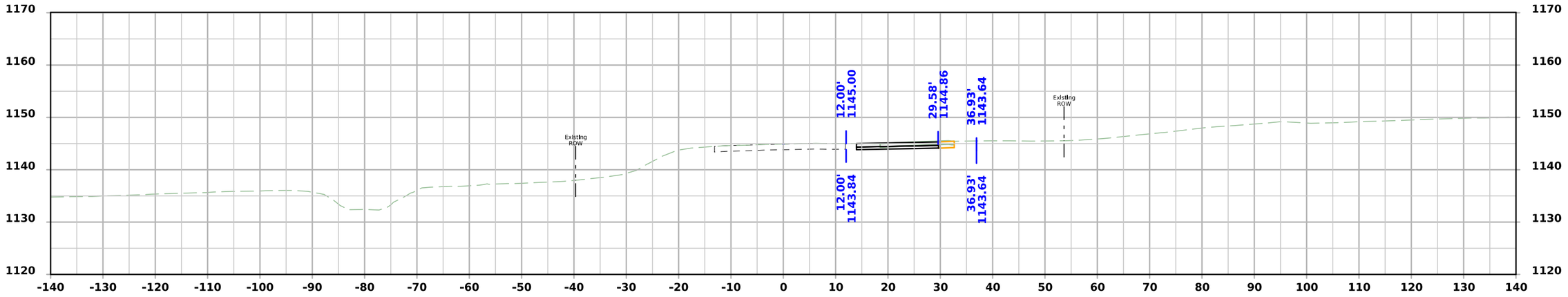
US 59 Stage 1



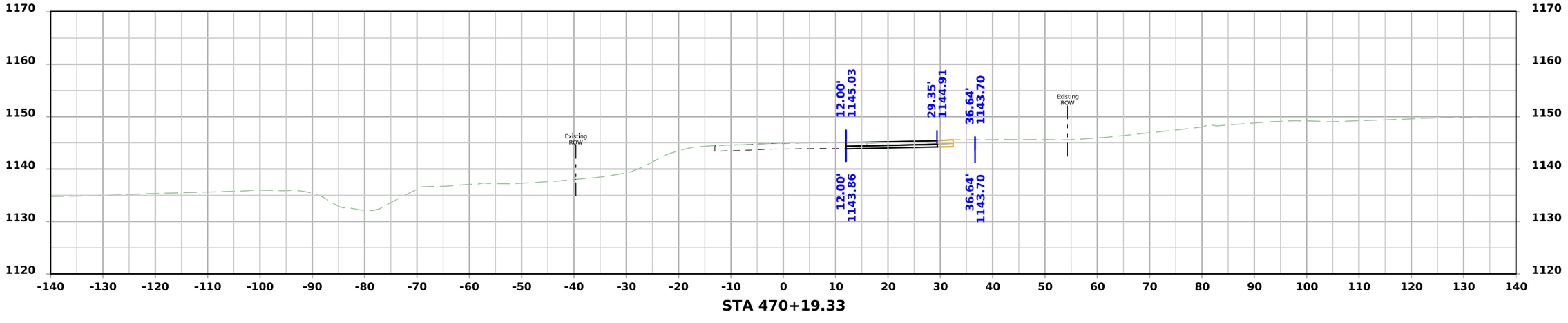
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1008

5:05:21 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1



STA 470+25.00

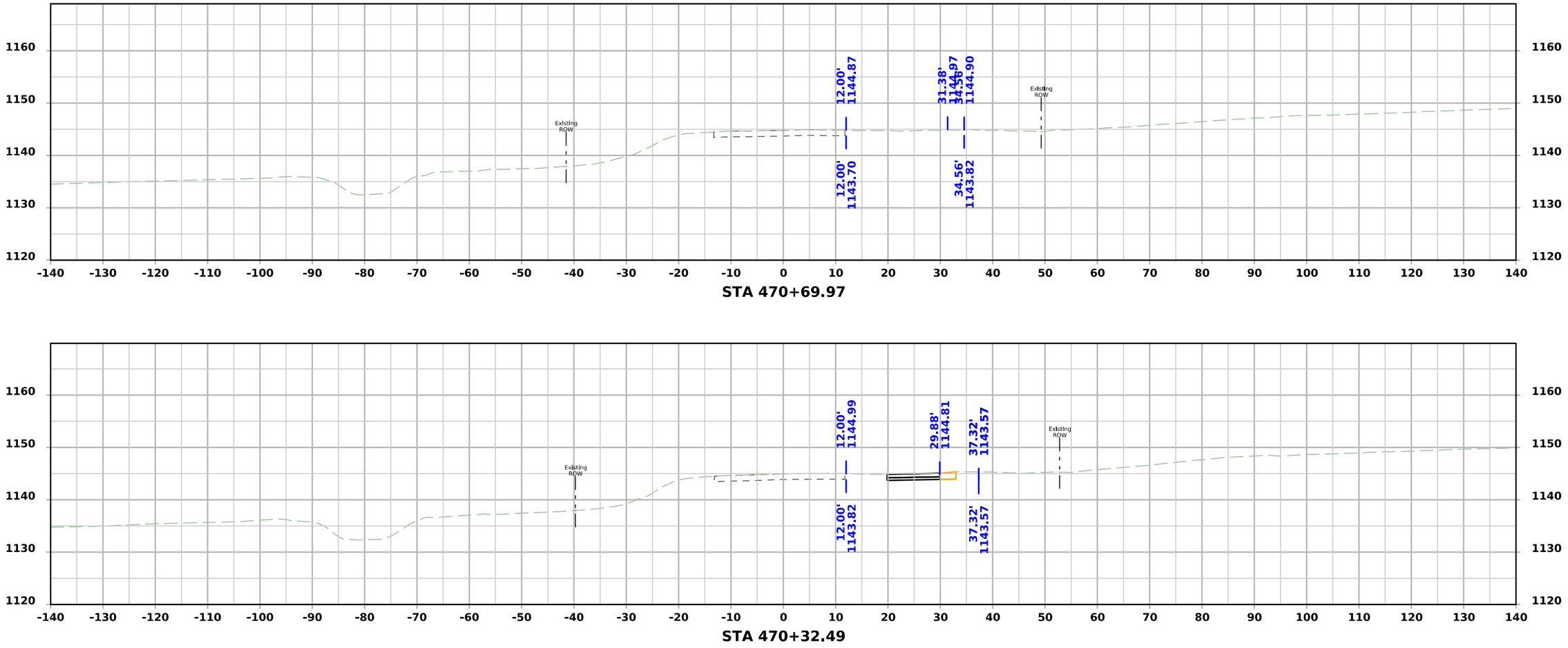


STA 470+19.33

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1009

5:05:23 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1



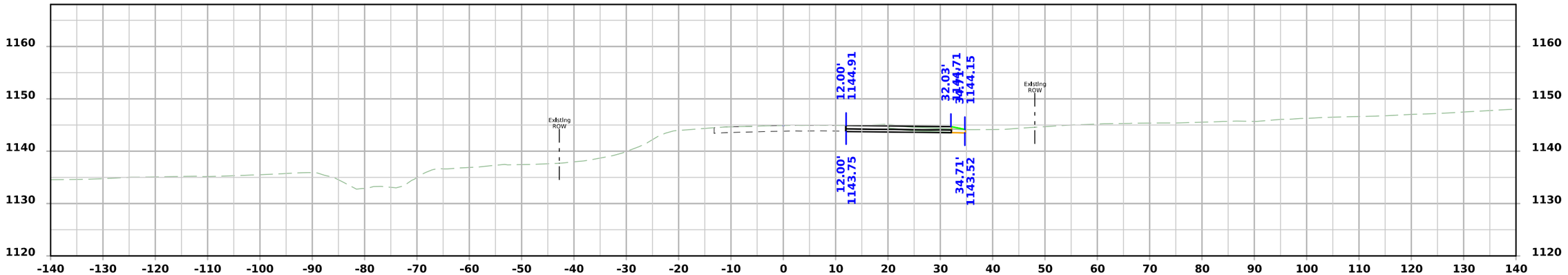
STA 470+69.97

STA 470+32.49

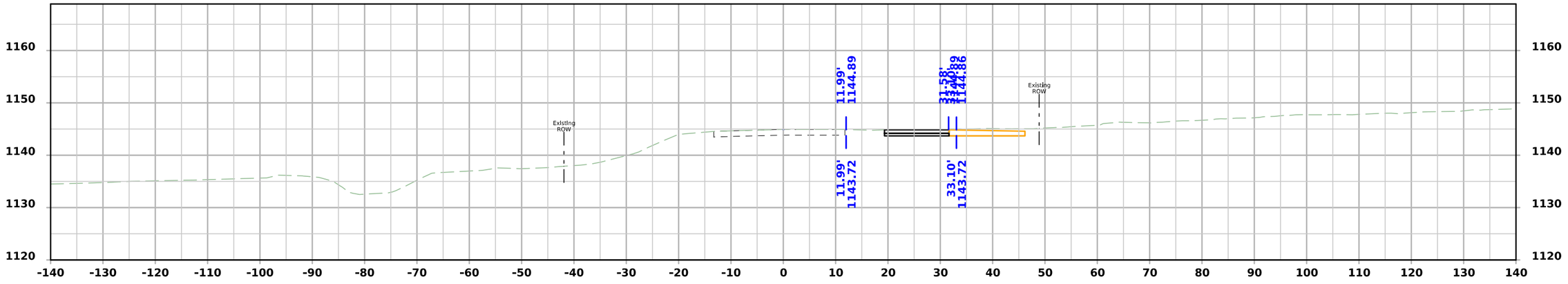
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1010

5:05:26 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1



STA 470+86.18

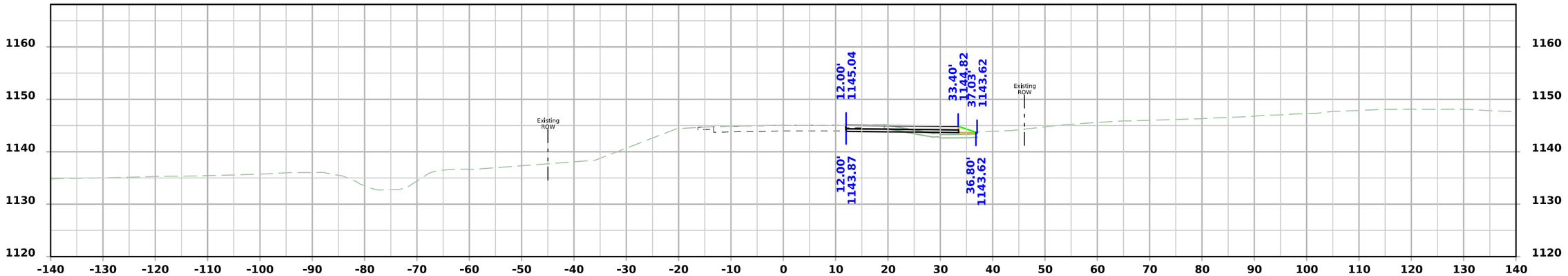


STA 470+75.00

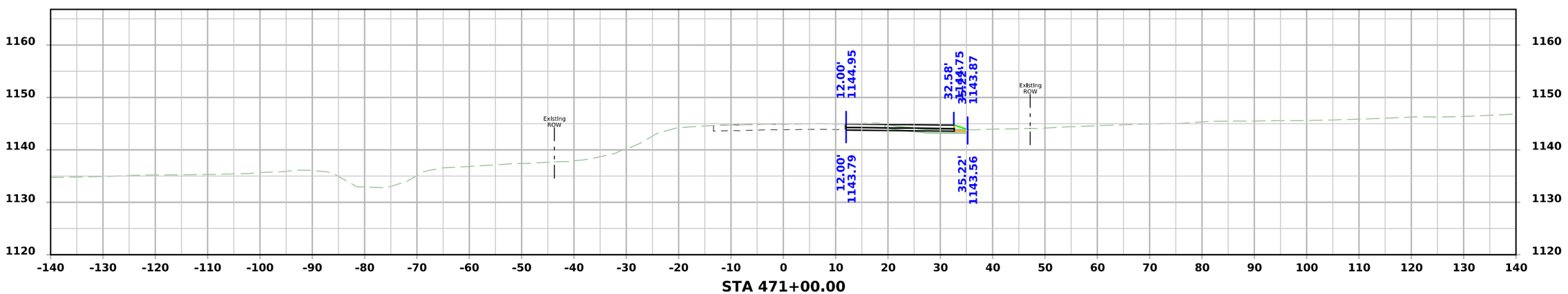
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1011

5:05:29 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1



STA 471+20.87

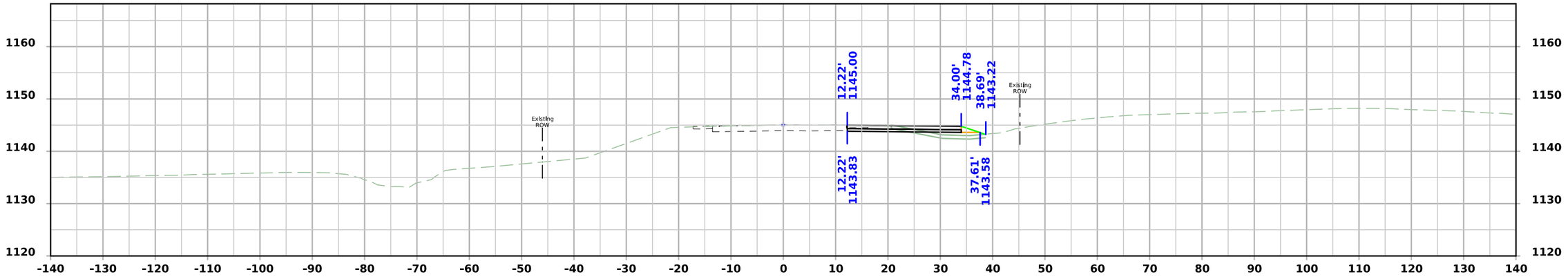


STA 471+00.00

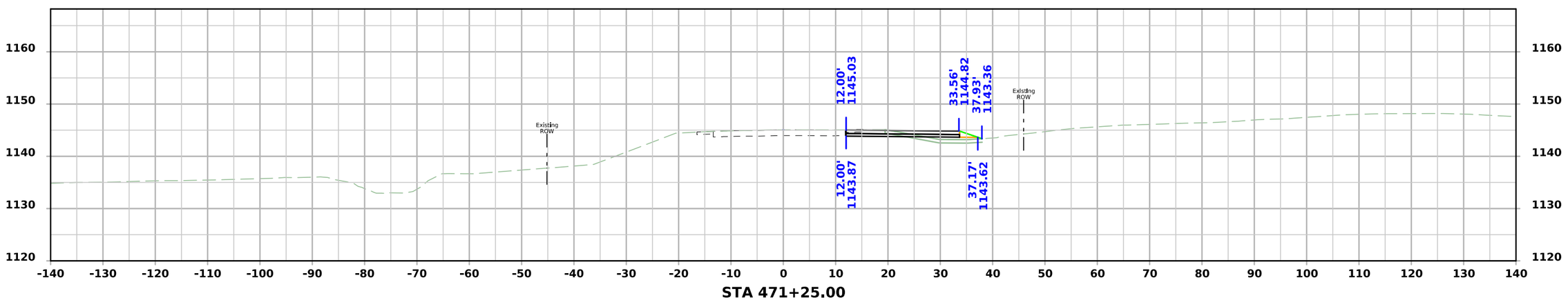
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1012

5:05:32 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1



STA 471+50.00

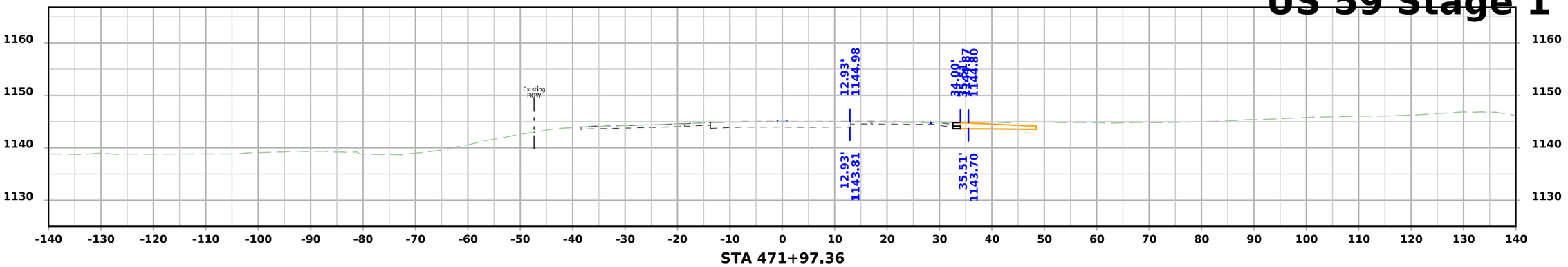


STA 471+25.00

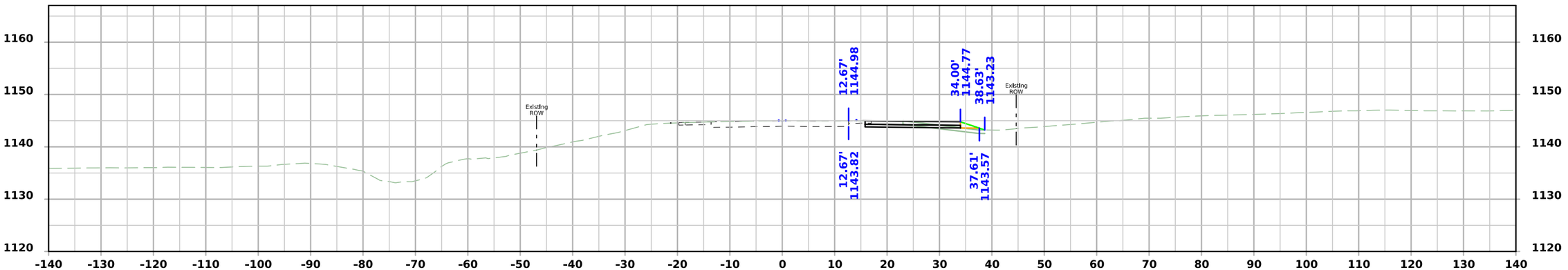
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1013

5:05:35 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

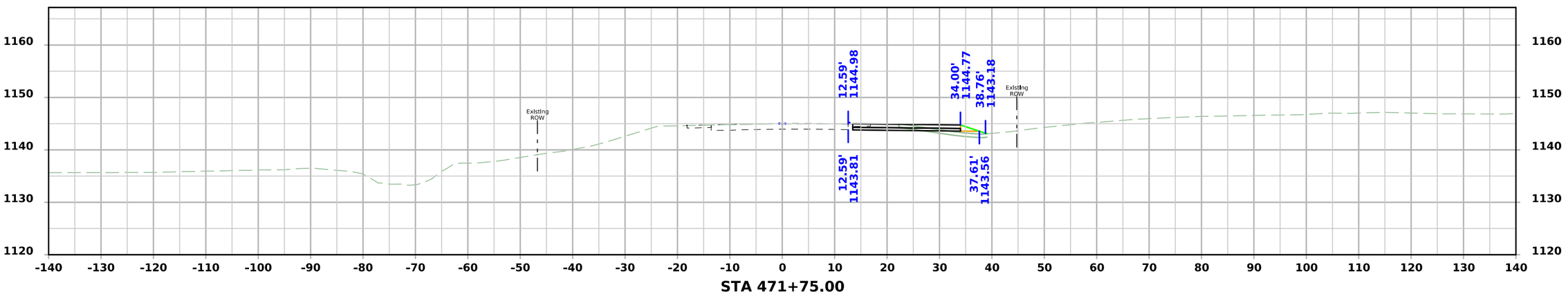
US 59 Stage 1



STA 471+97.36



STA 471+80.56

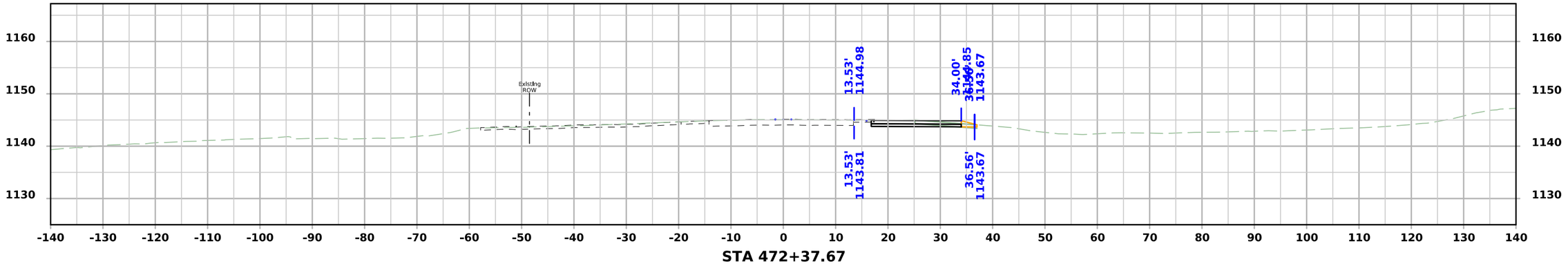


STA 471+75.00

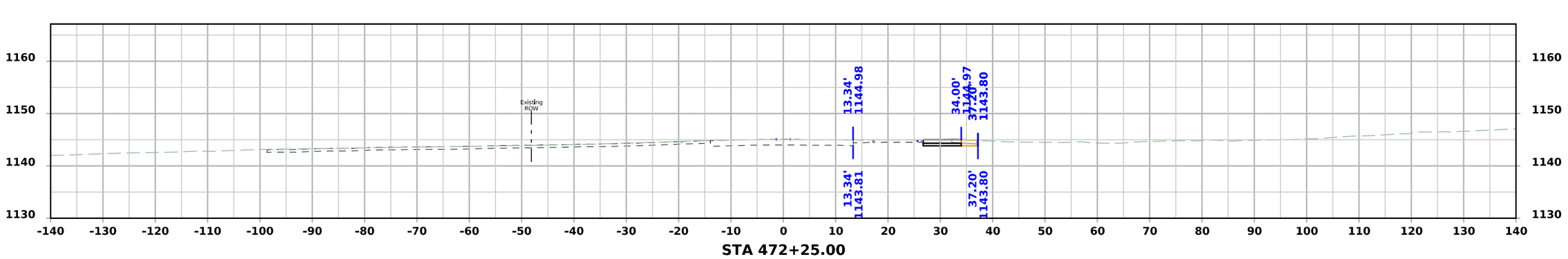
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1014

5:05:38 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

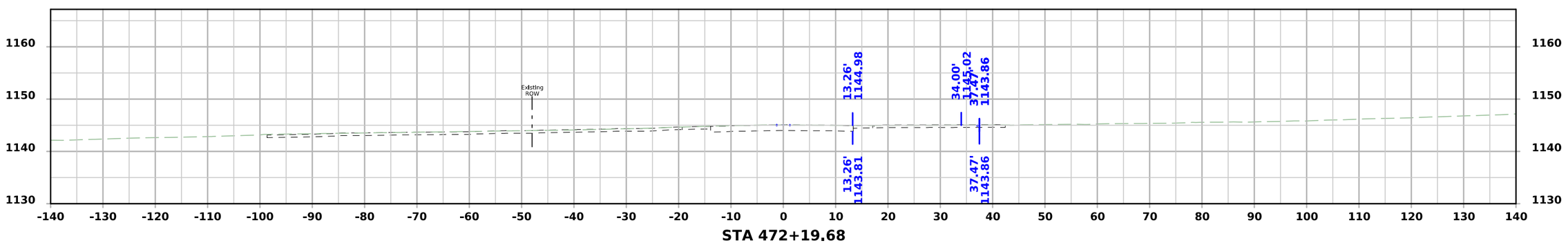
US 59 Stage 1



STA 472+37.67



STA 472+25.00

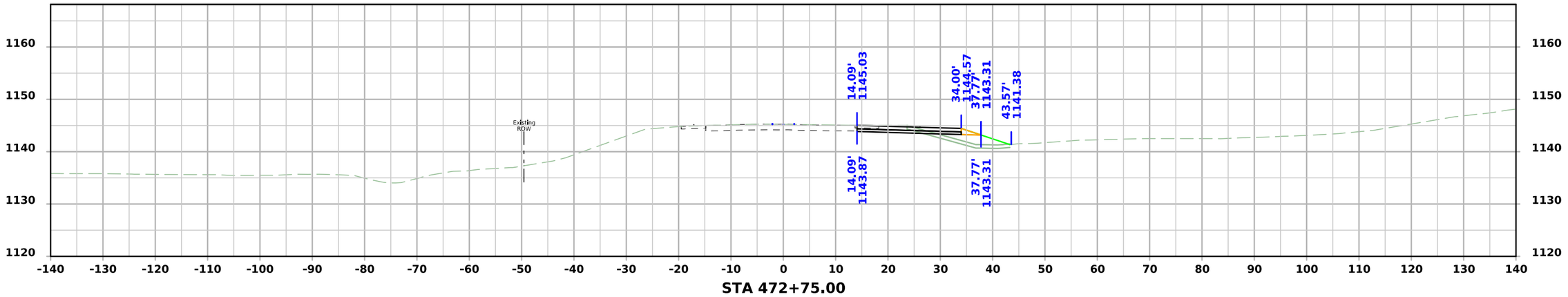


STA 472+19.68

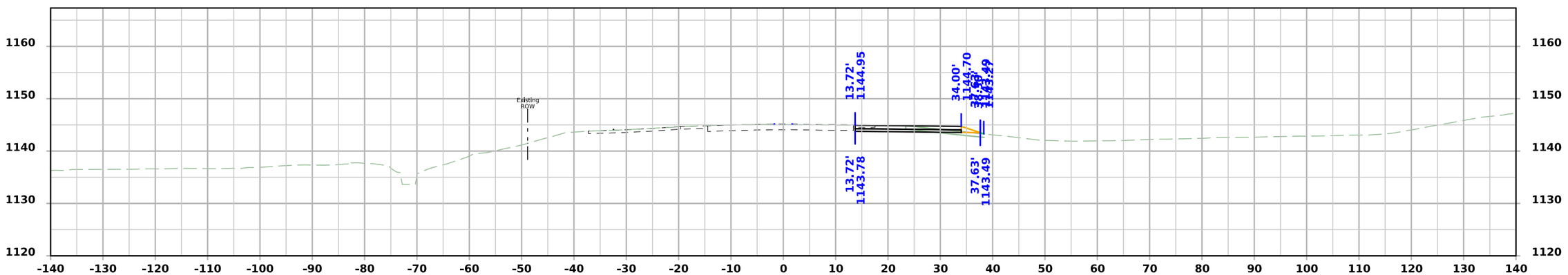
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1015

5:05:40 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1



STA 472+75.00

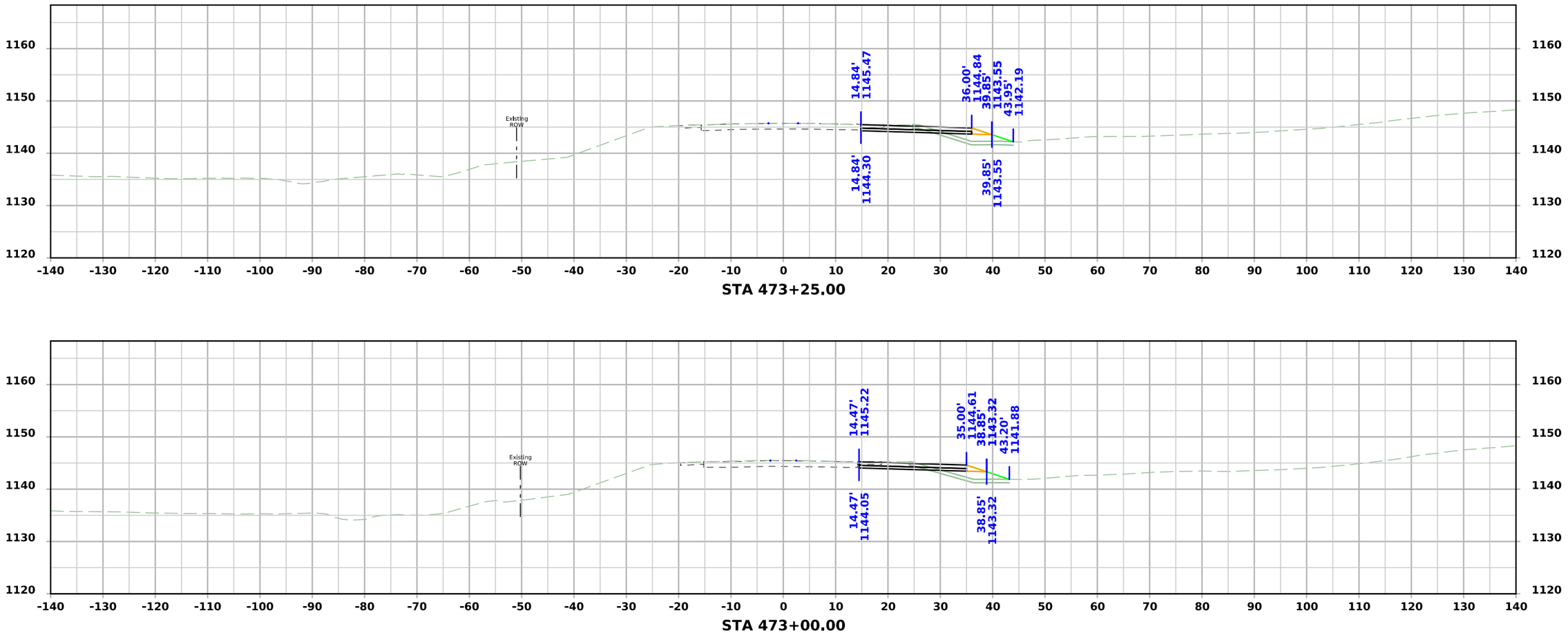


STA 472+50.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1016

5:05:42 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1



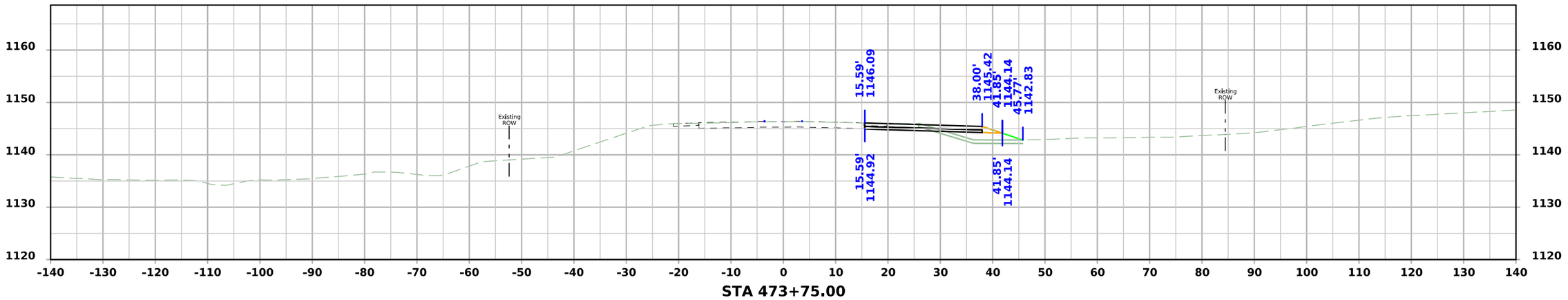
STA 473+25.00

STA 473+00.00

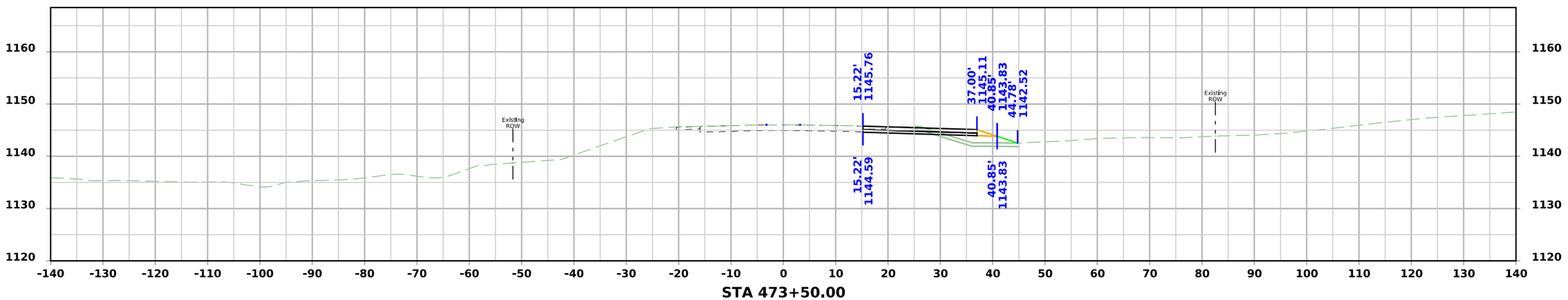
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1017

5:05:44 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1



STA 473+75.00

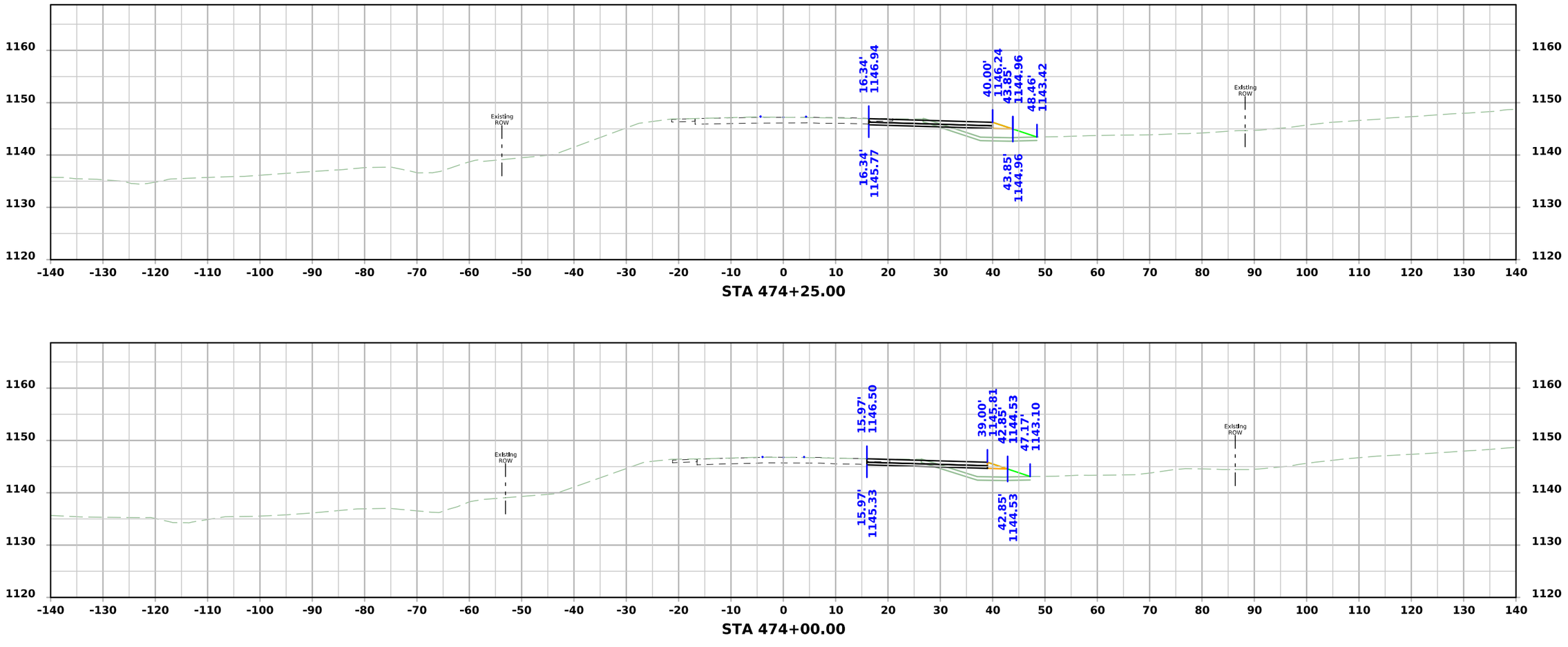


STA 473+50.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1018

5:05:46 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

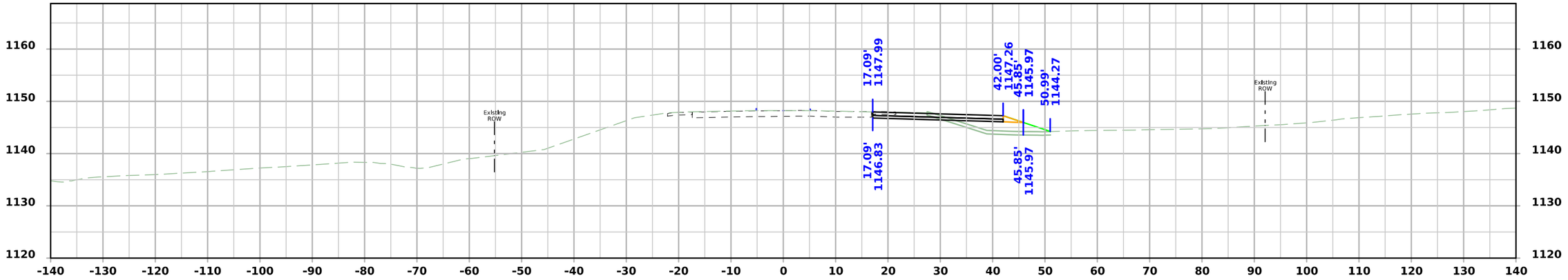
US 59 Stage 1



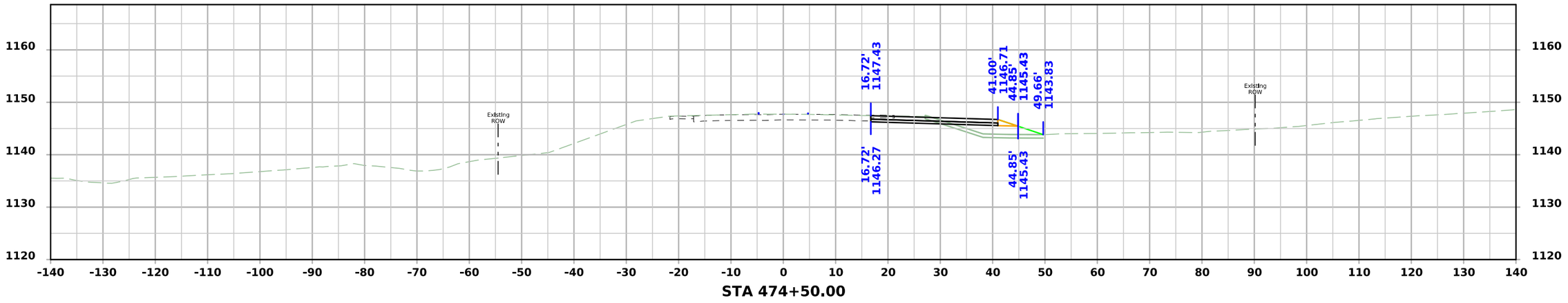
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1019

5:05:47 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1



STA 474+75.00

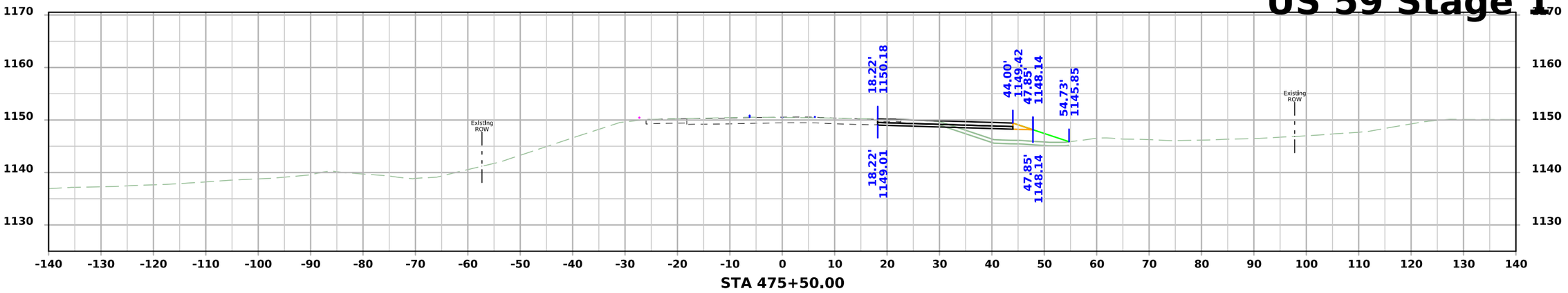


STA 474+50.00

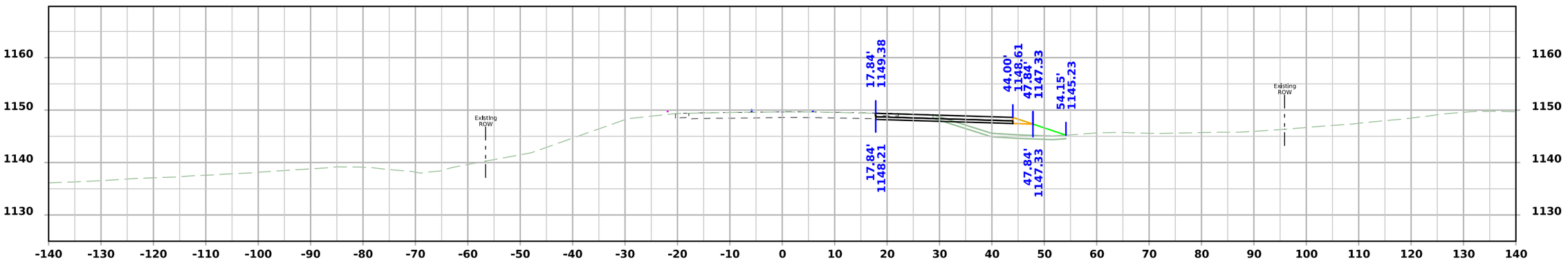
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1020

5:05:49 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

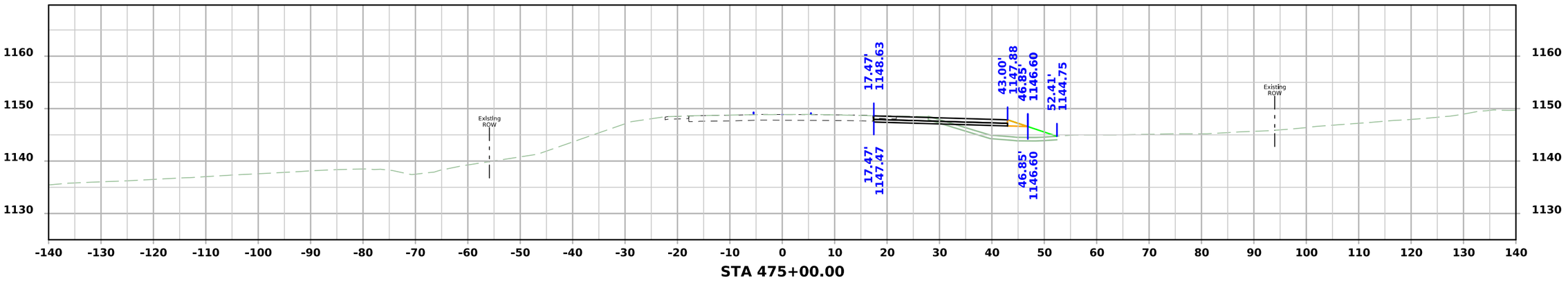
US 59 Stage 1



STA 475+50.00



STA 475+25.00

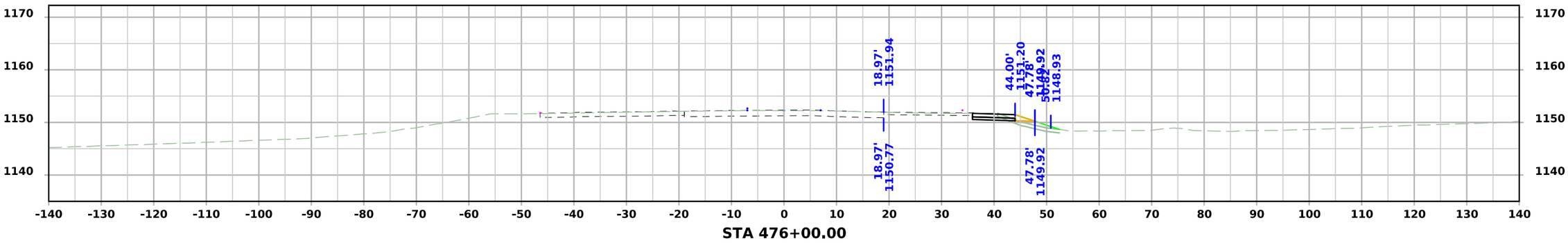


STA 475+00.00

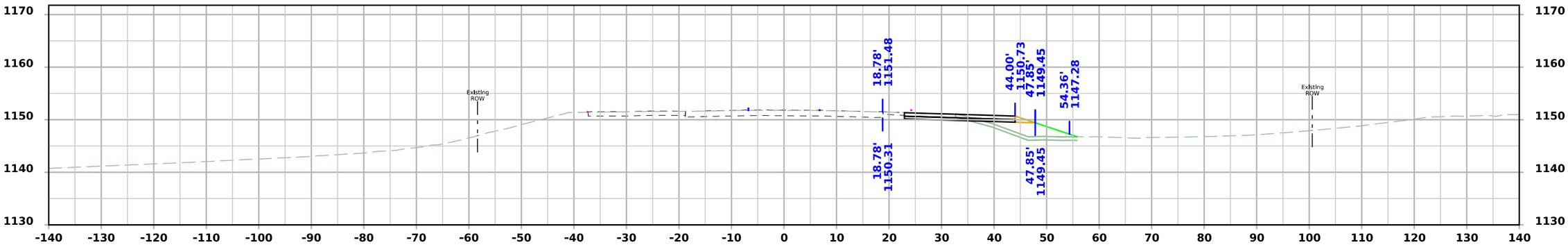
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1021

5:05:51 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

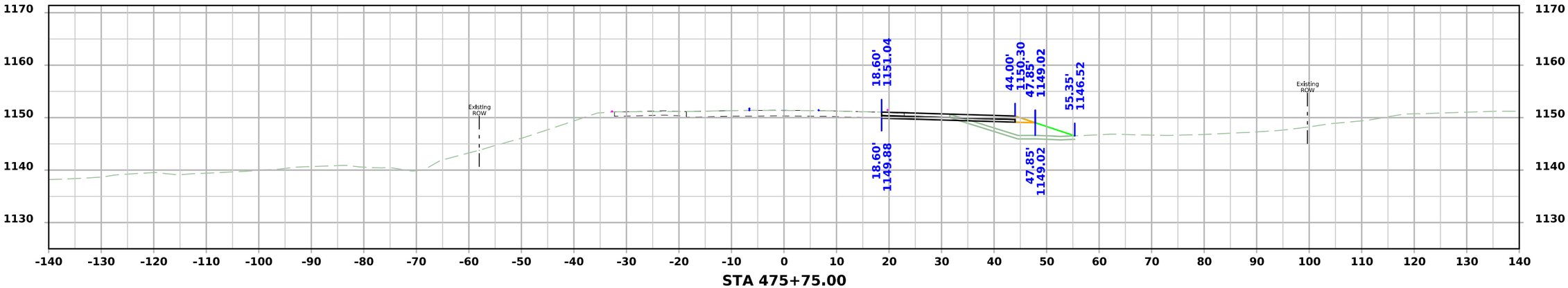
US 59 Stage 1



STA 476+00.00



STA 475+87.05

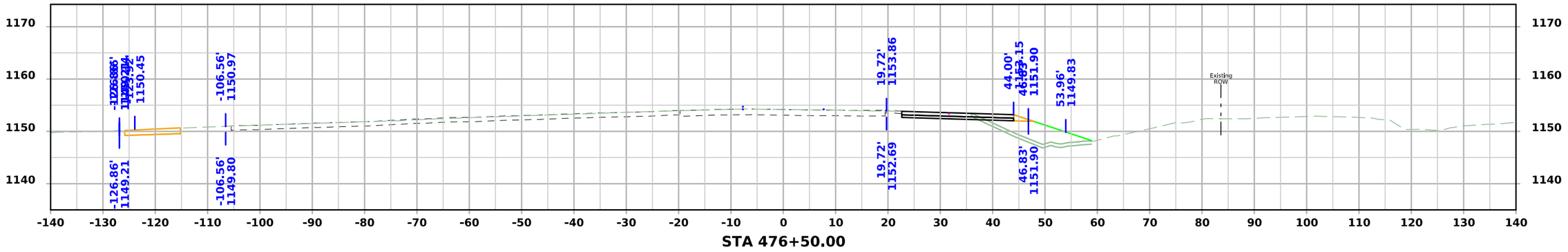


STA 475+75.00

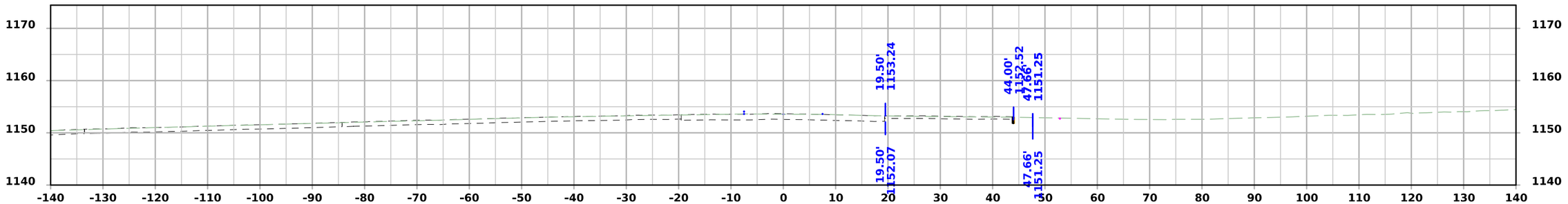
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1022

5:05:53 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

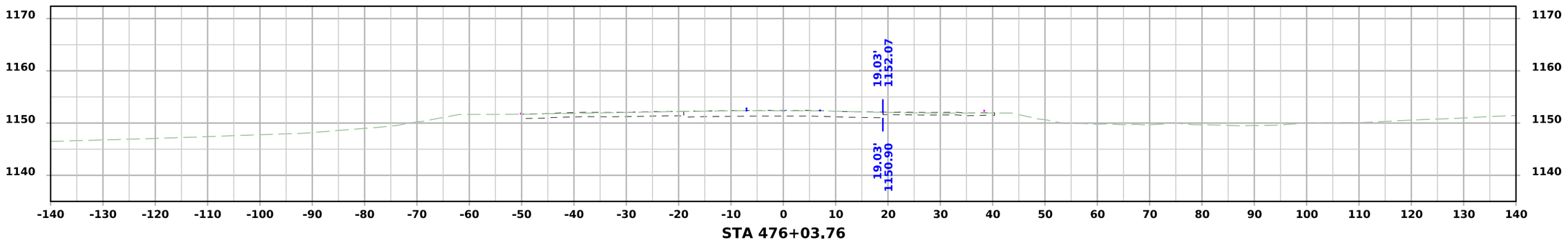
US 59 Stage 1



STA 476+50.00



STA 476+34.94

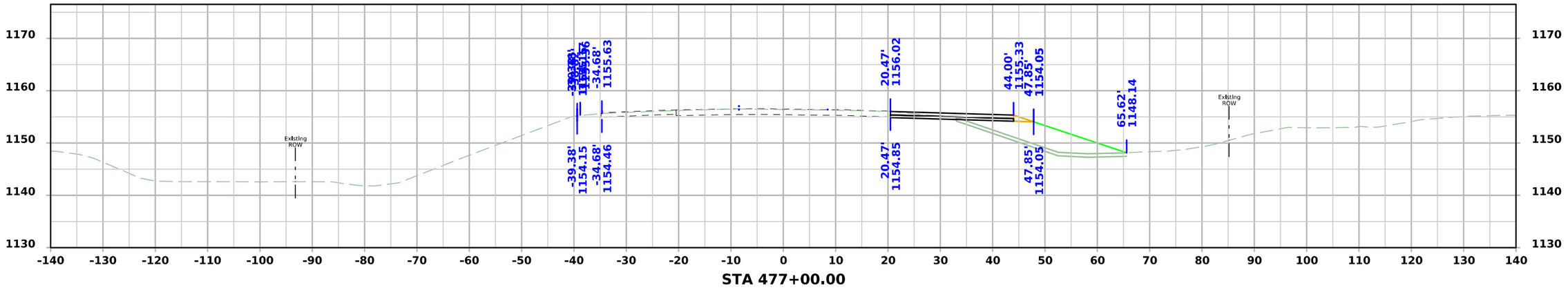


STA 476+03.76

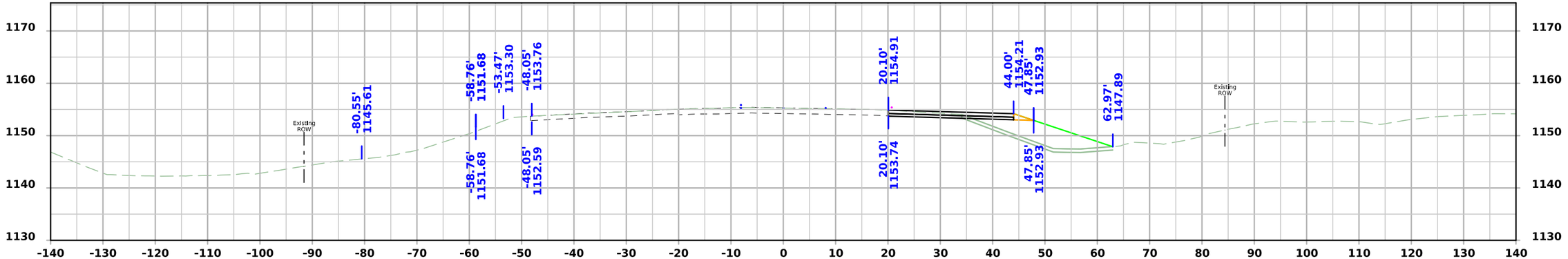
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1023

5:05:55 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

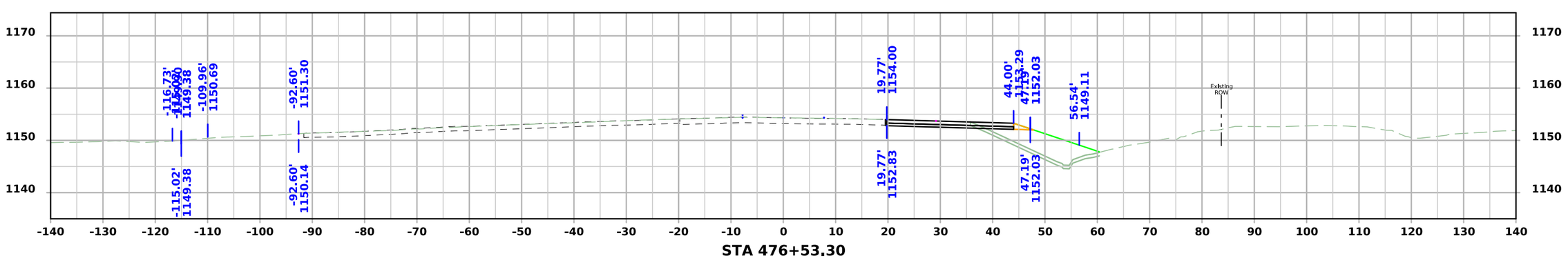
US 59 Stage 1



STA 477+00.00



STA 476+75.00

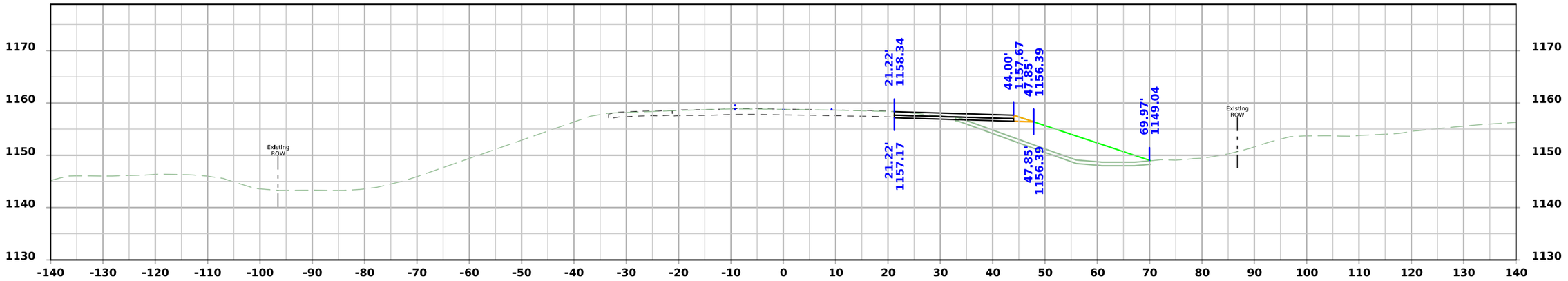


STA 476+53.30

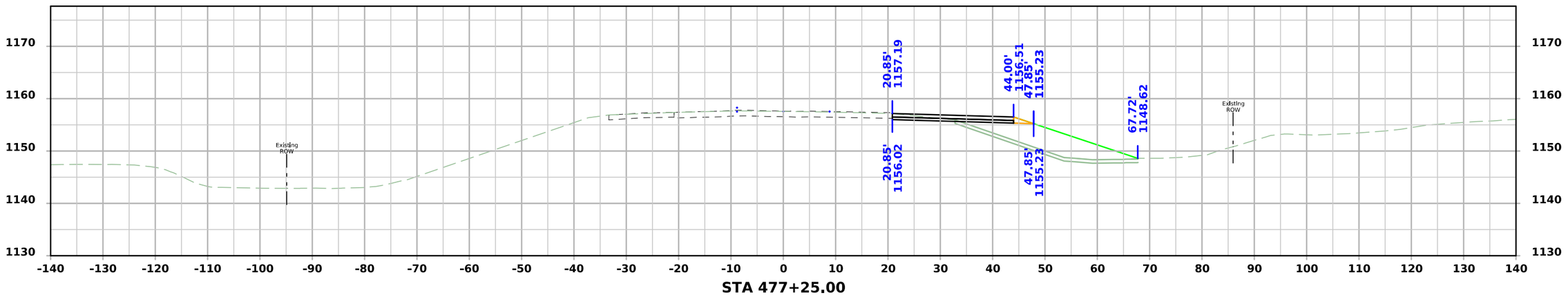
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1024

5:05:58 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1



STA 477+50.00

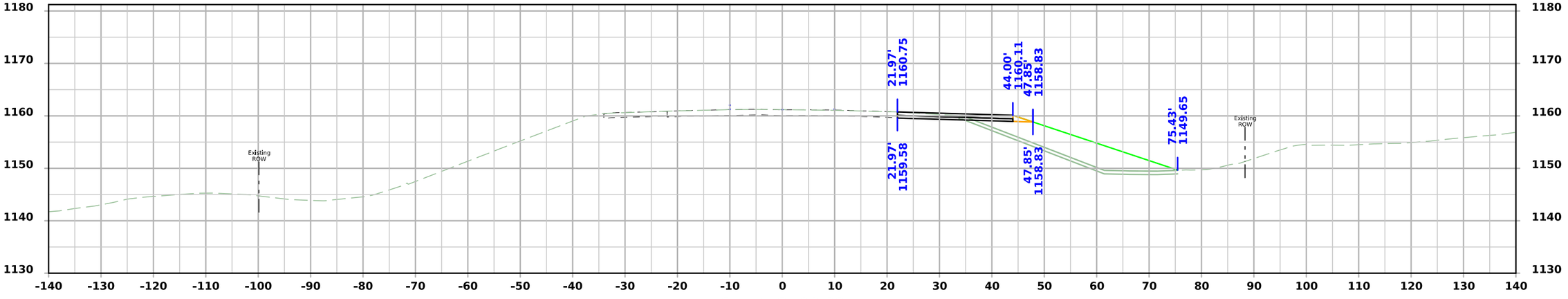


STA 477+25.00

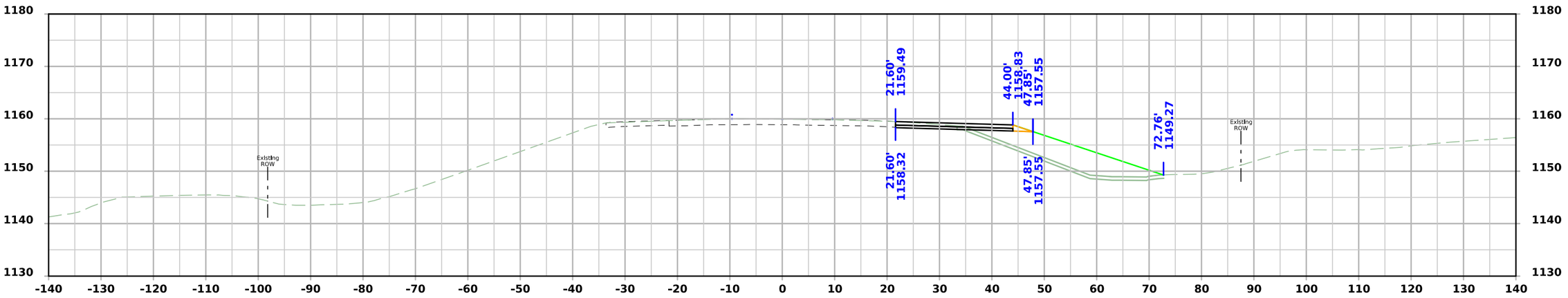
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1025

5:06:00 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1



STA 478+00.00

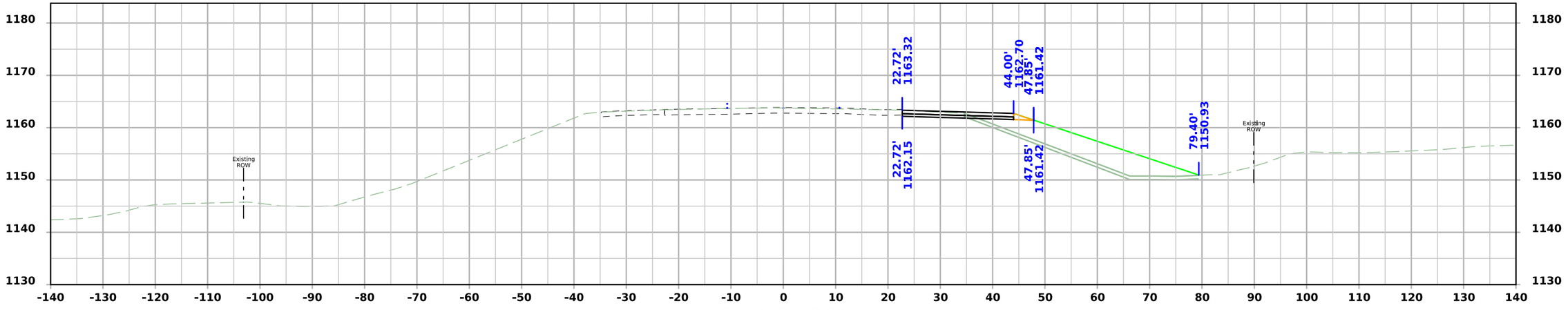


STA 477+75.00

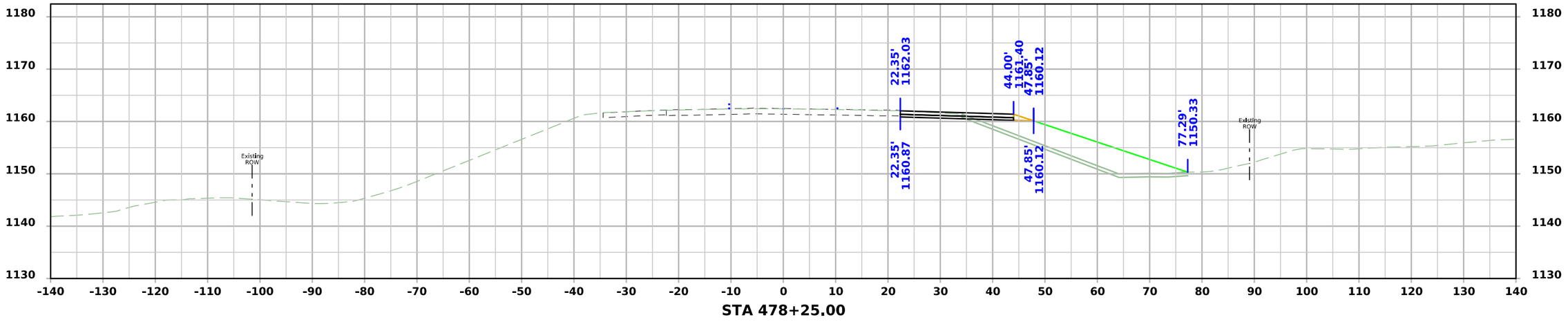
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1026

5:06:01 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1



STA 478+50.00

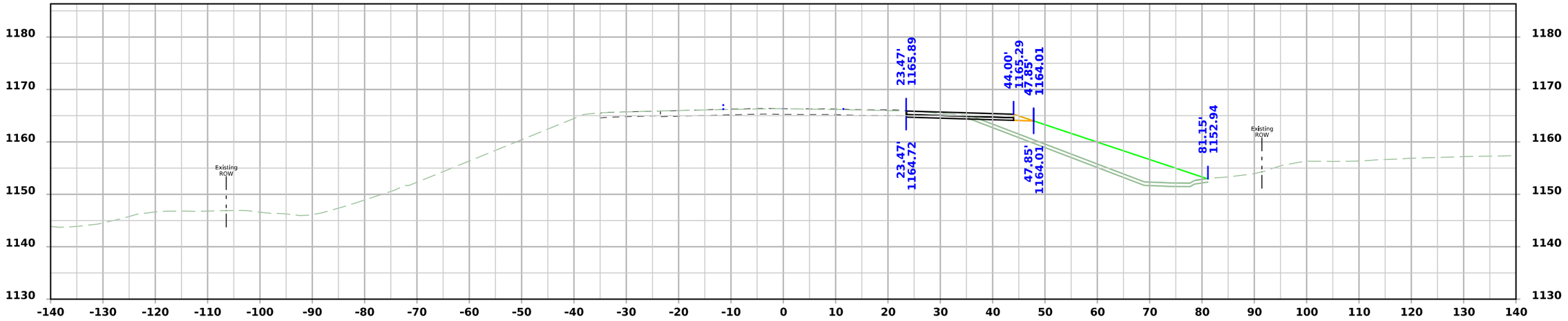


STA 478+25.00

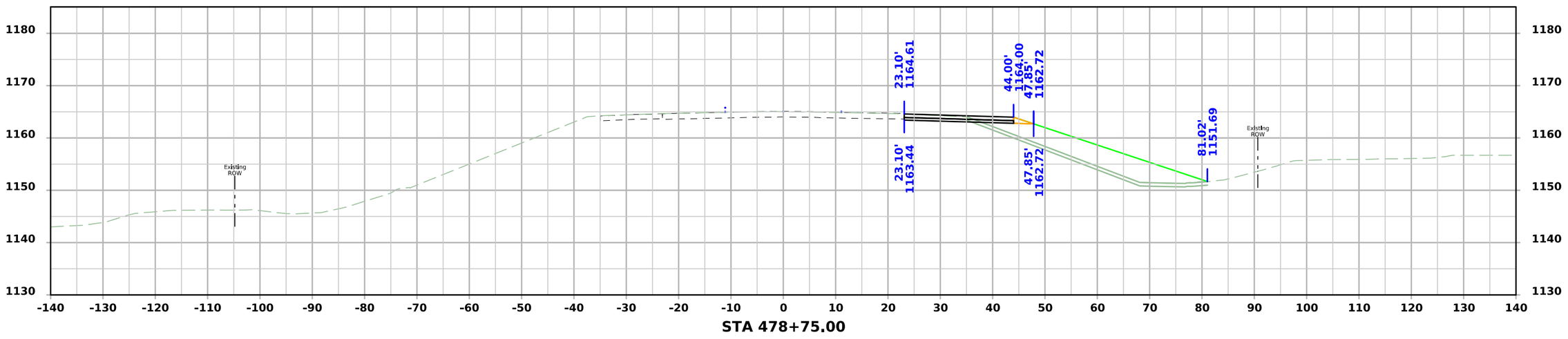
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1027

5:06:03 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1



STA 479+00.00

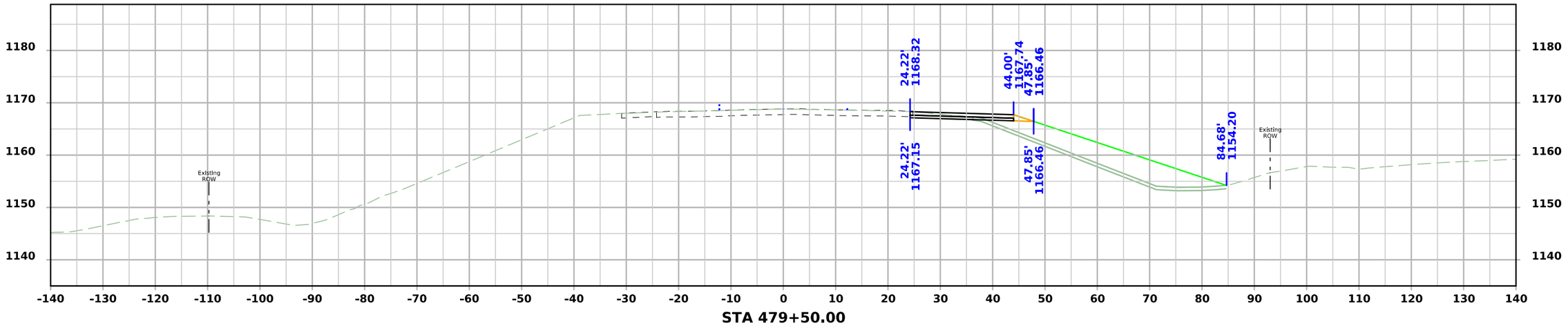


STA 478+75.00

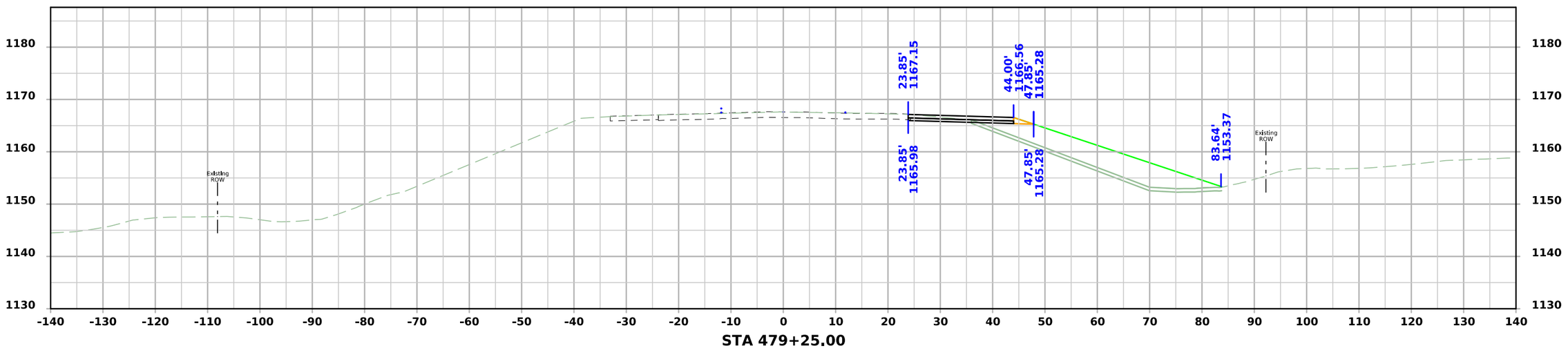
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1028

5:06:05 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1



STA 479+50.00

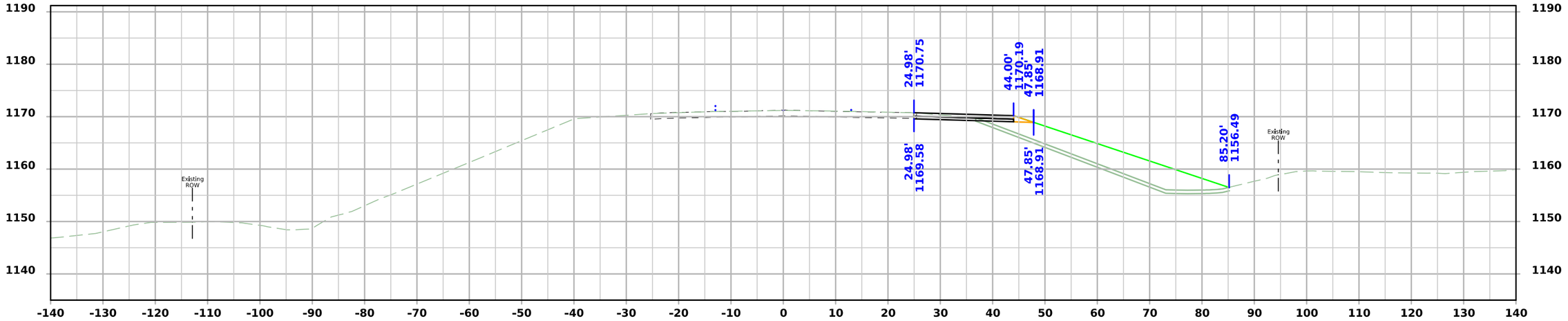


STA 479+25.00

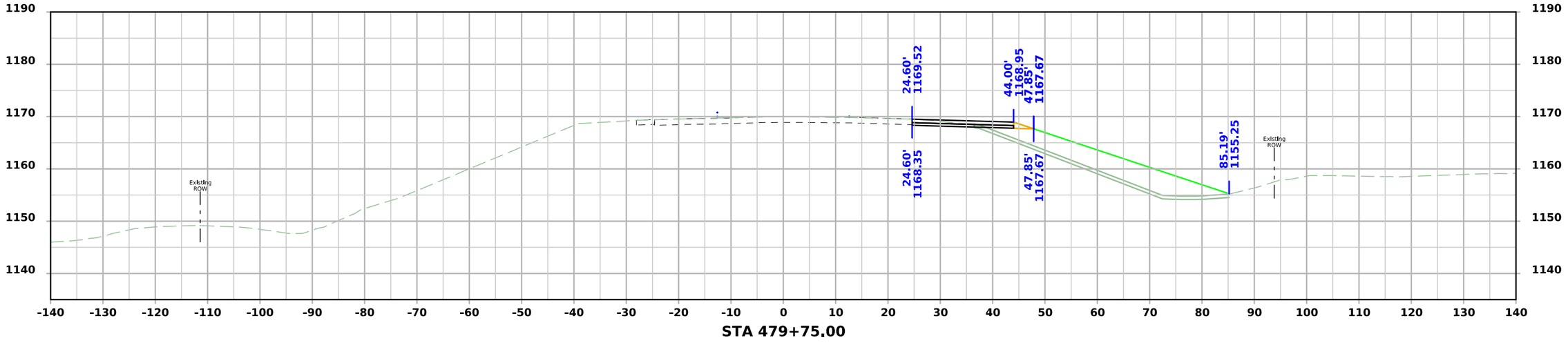
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1029

5:06:06 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1



STA 480+00.00

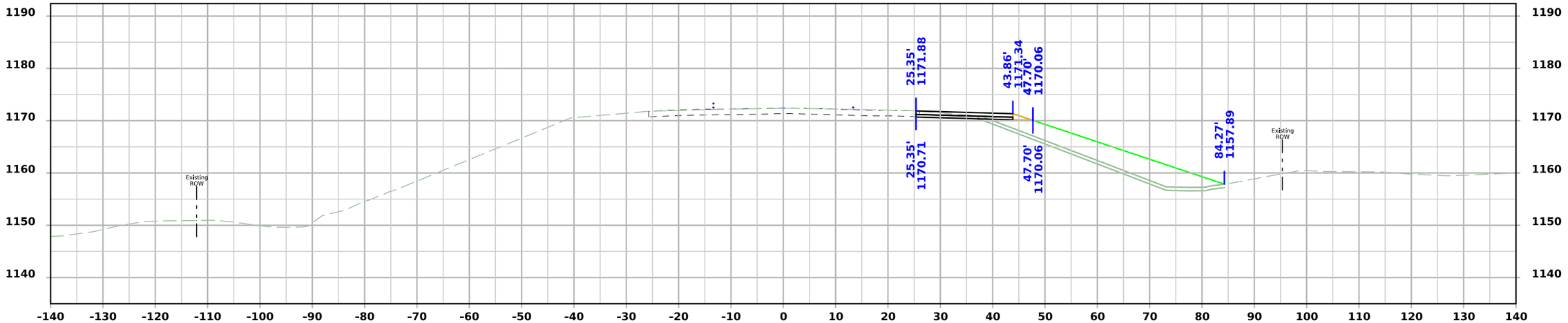


STA 479+75.00

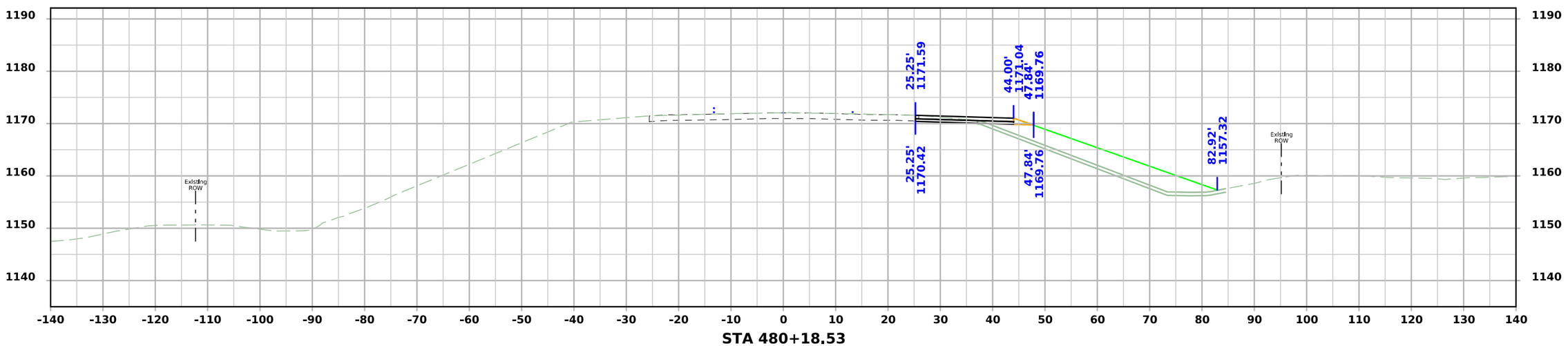
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1030

5:06:08 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1



STA 480+25.00

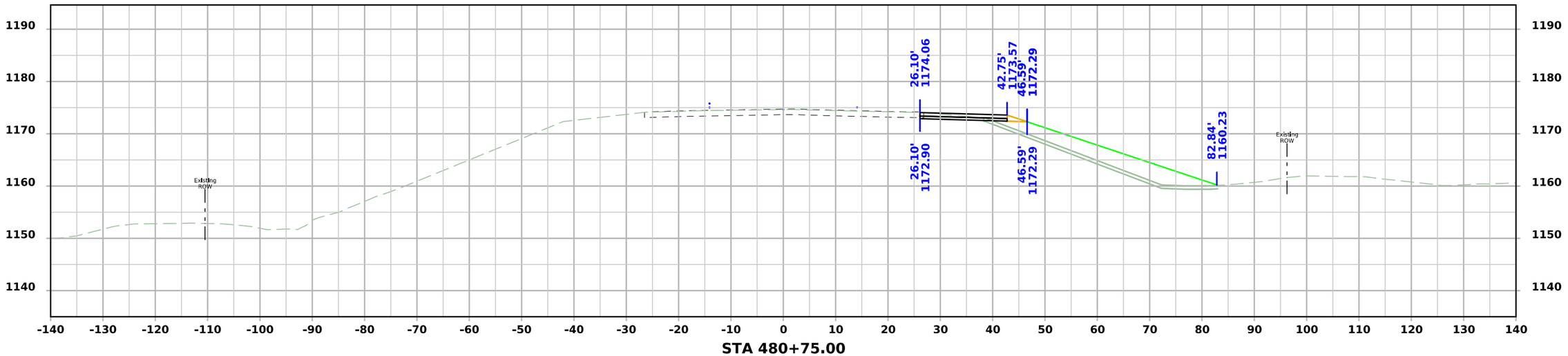


STA 480+18.53

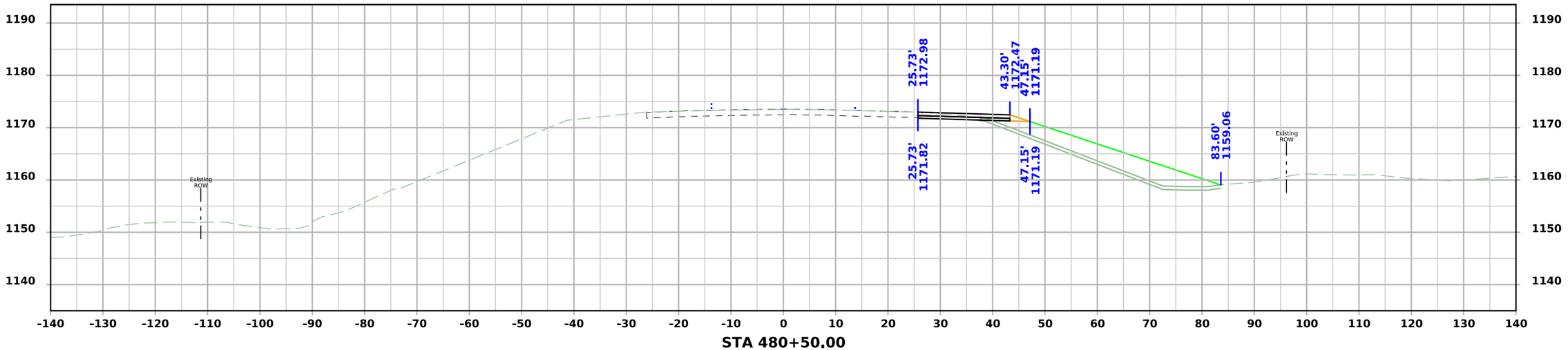
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1031

5:06:10 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1



STA 480+75.00

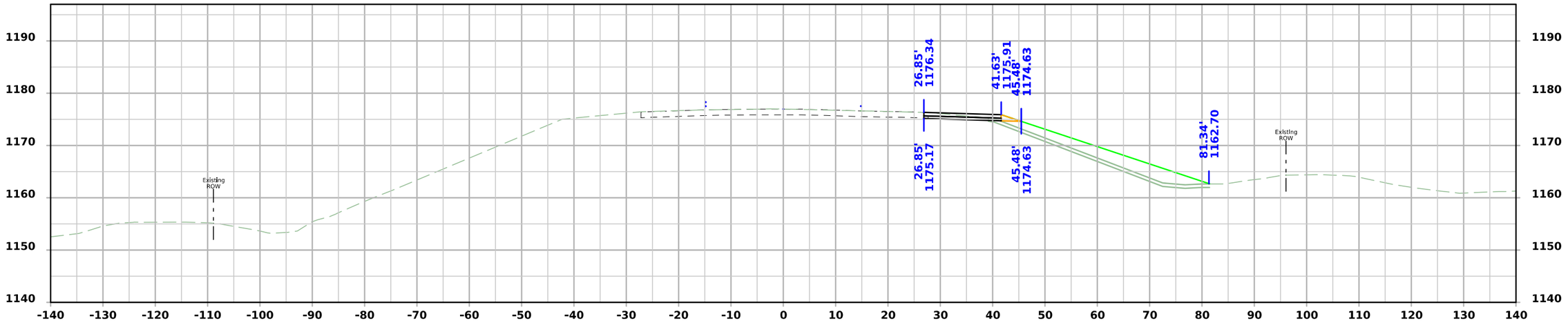


STA 480+50.00

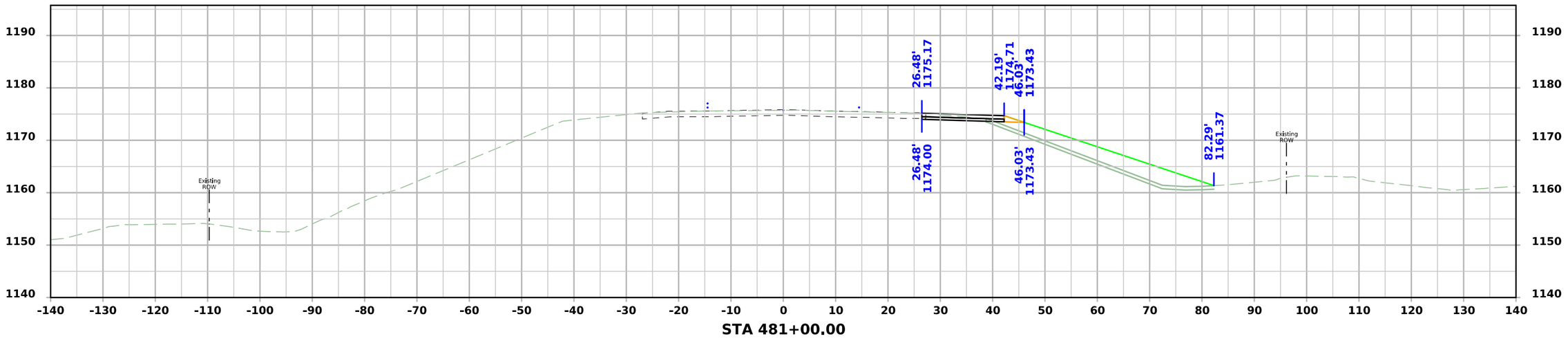
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1032

5:06:12 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1



STA 481+25.00

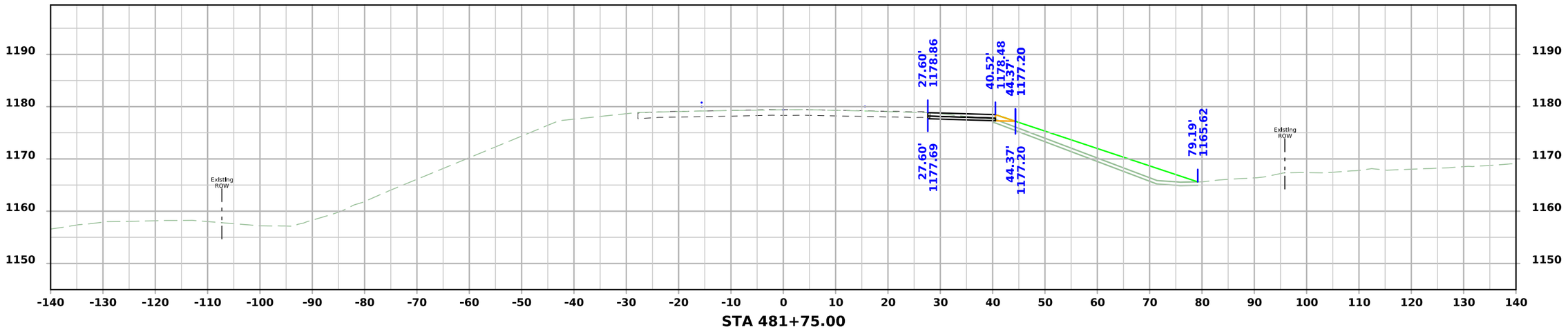


STA 481+00.00

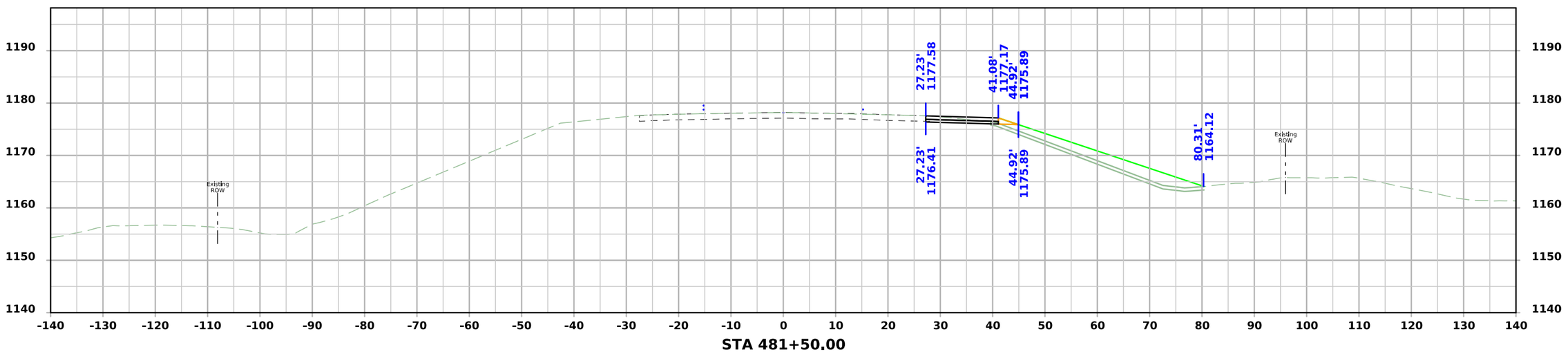
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1033

5:06:14 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1



STA 481+75.00

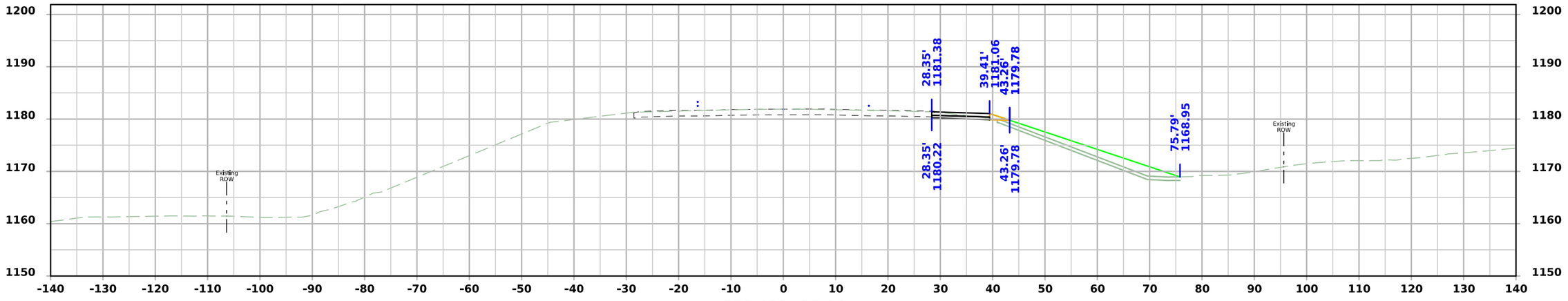


STA 481+50.00

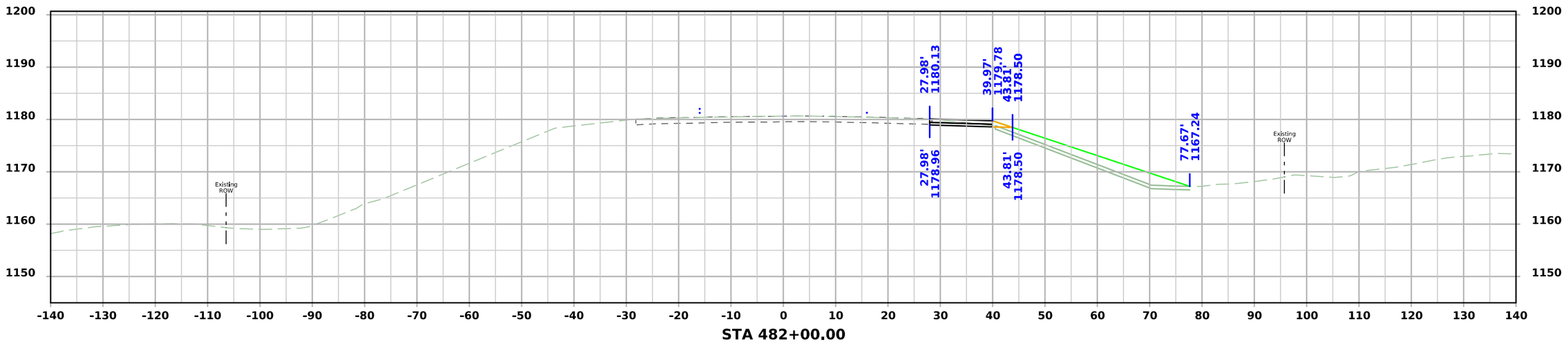
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1034

5:06:15 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1



STA 482+25.00

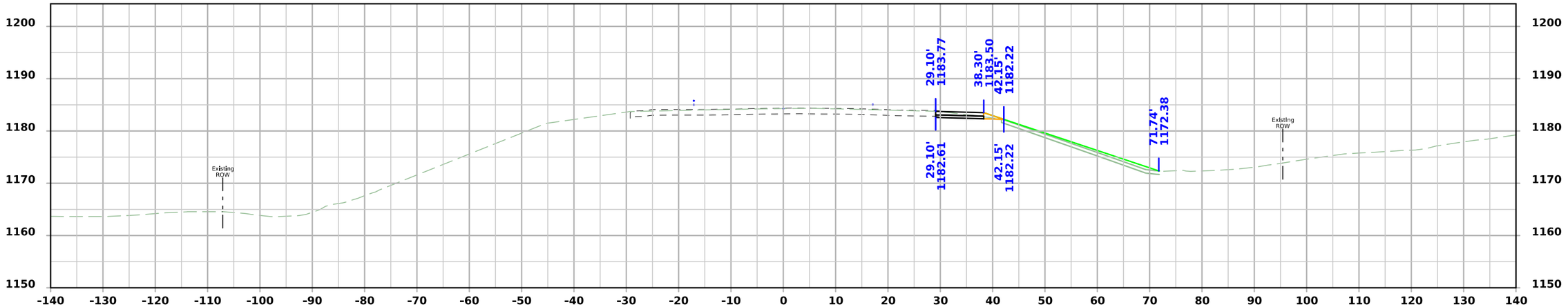


STA 482+00.00

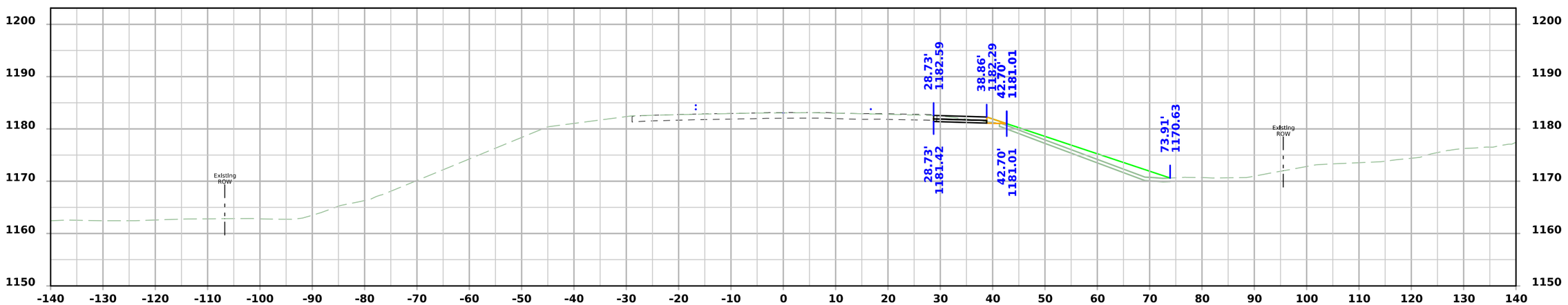
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1035

5:06:17 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1



STA 482+75.00

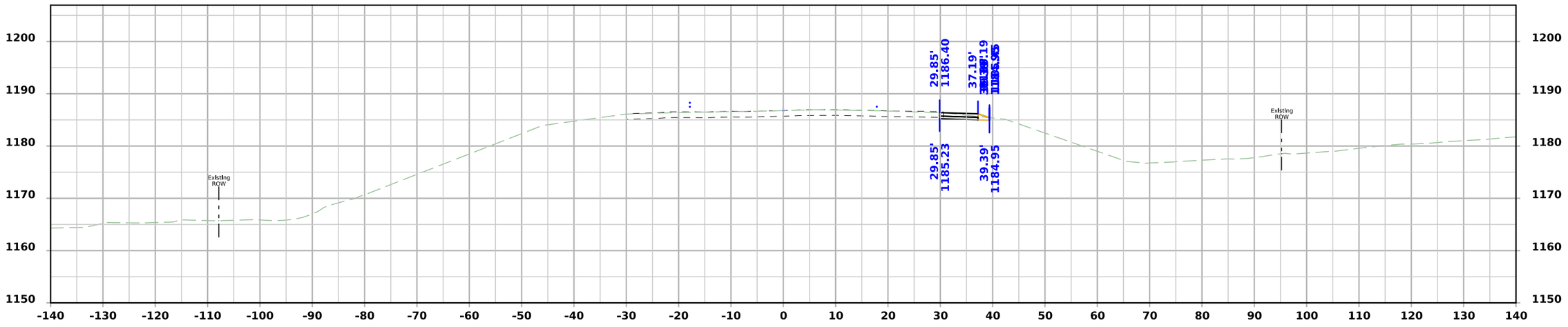


STA 482+50.00

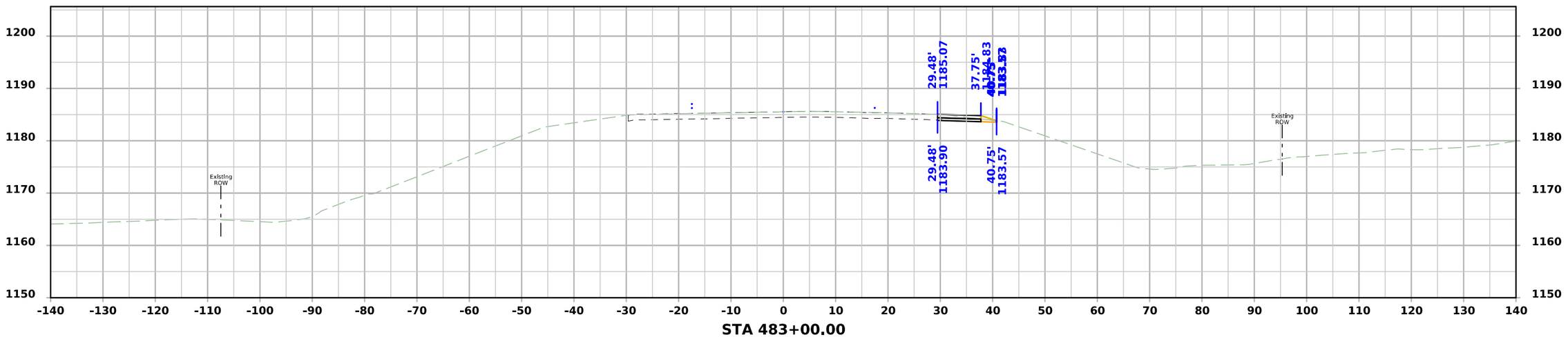
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1036

5:06:19 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1



STA 483+25.00

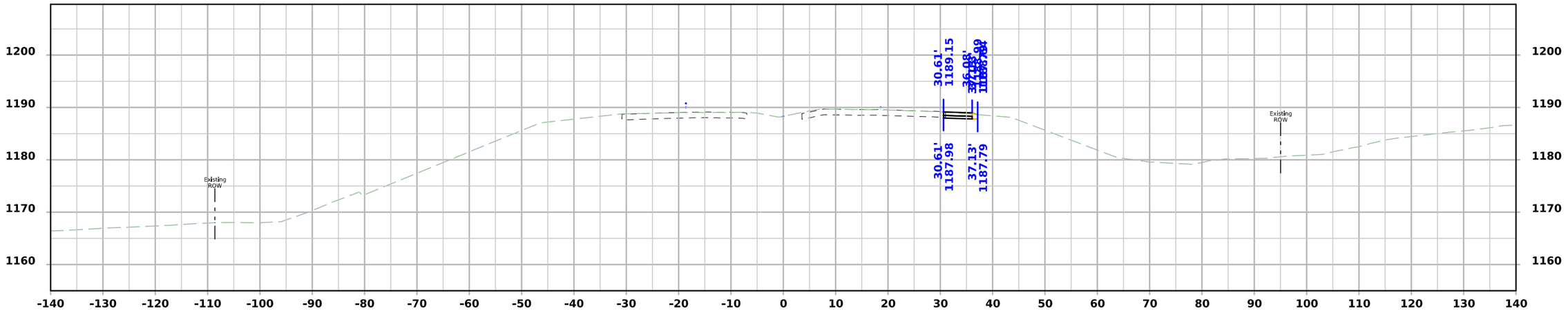


STA 483+00.00

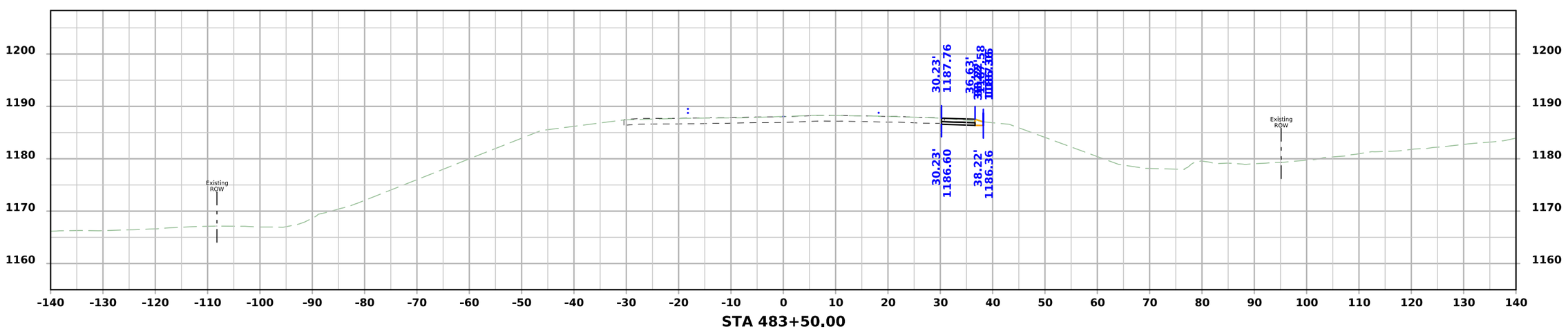
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1037

5:06:21 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1



STA 483+75.00

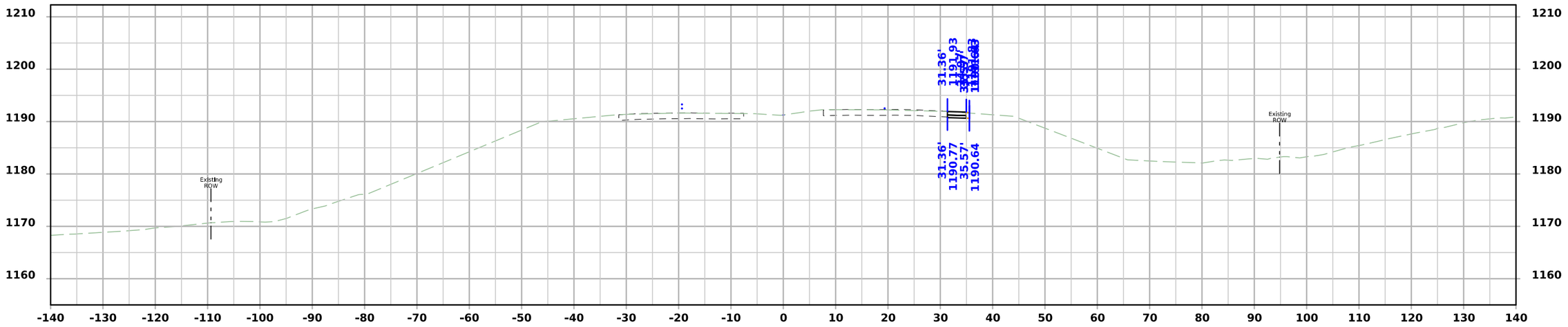


STA 483+50.00

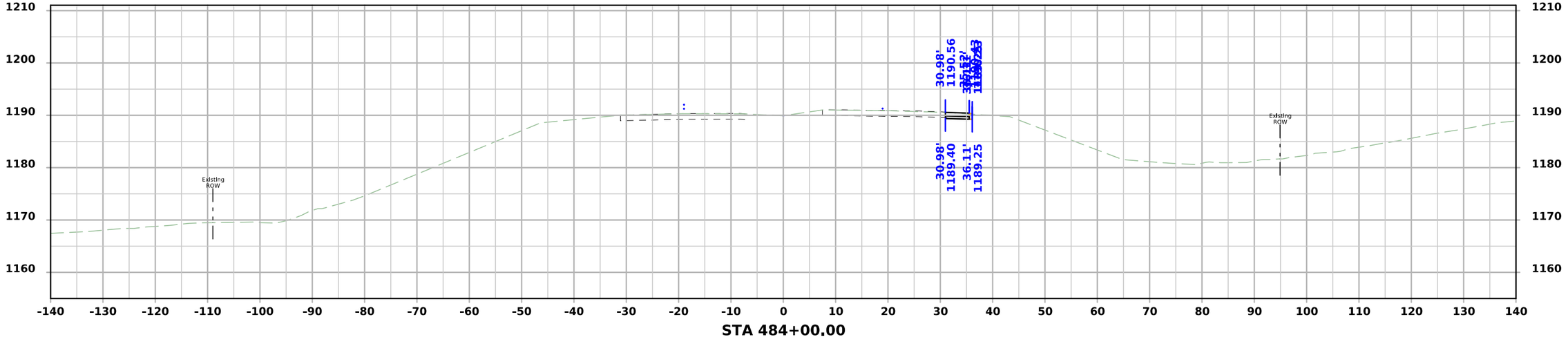
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1038

5:06:22 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1



STA 484+25.00

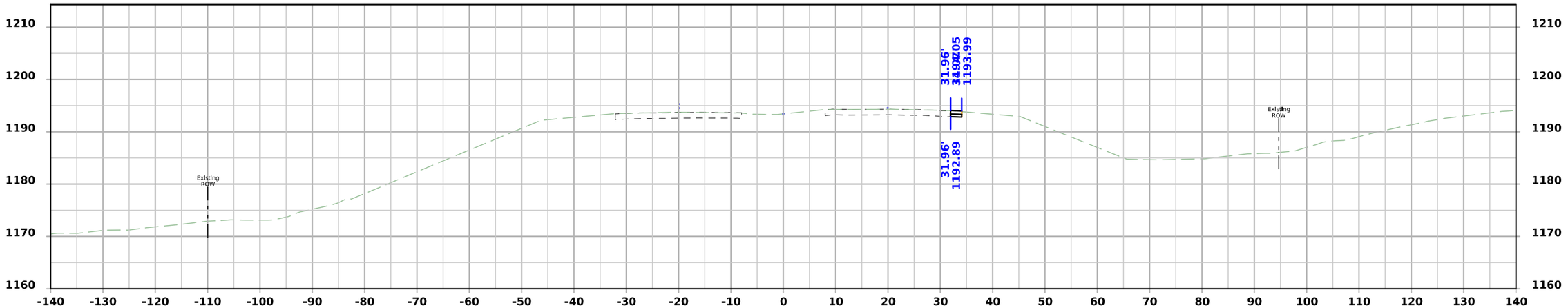


STA 484+00.00

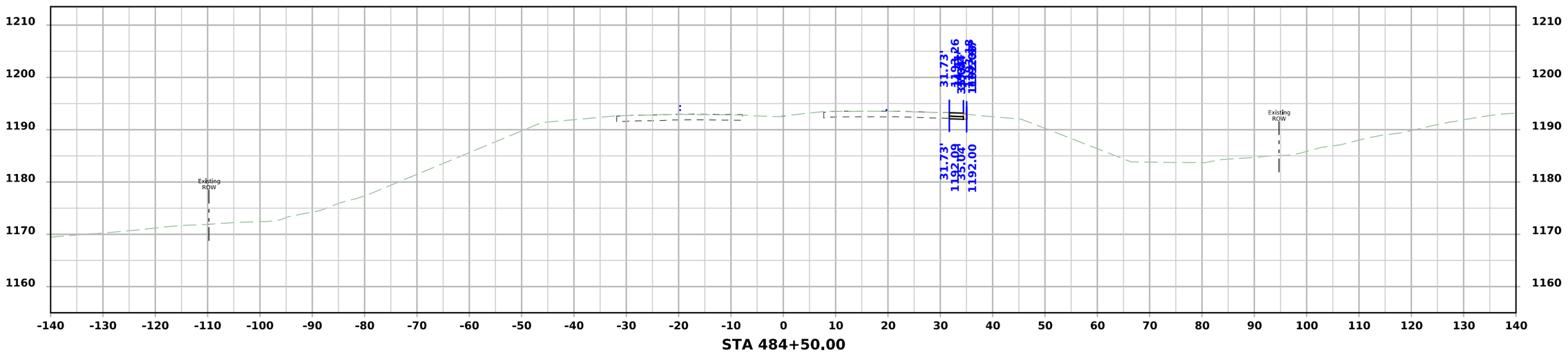
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1039

5:06:24 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1



STA 484+65.23

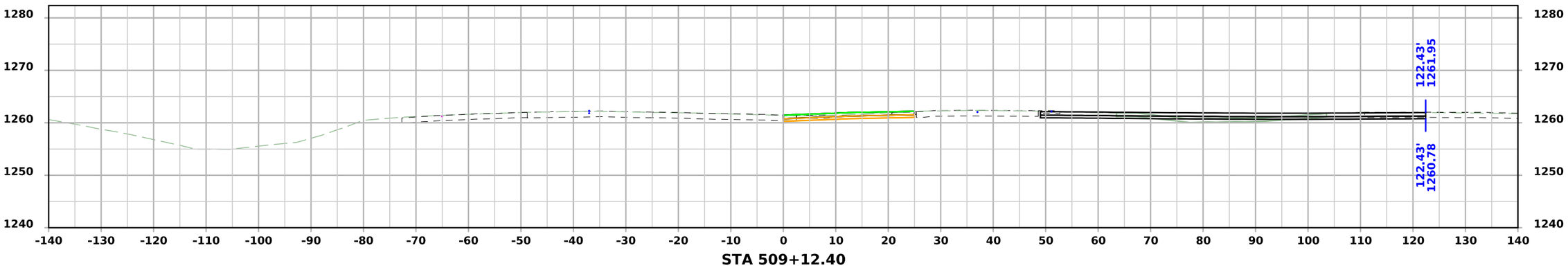


STA 484+50.00

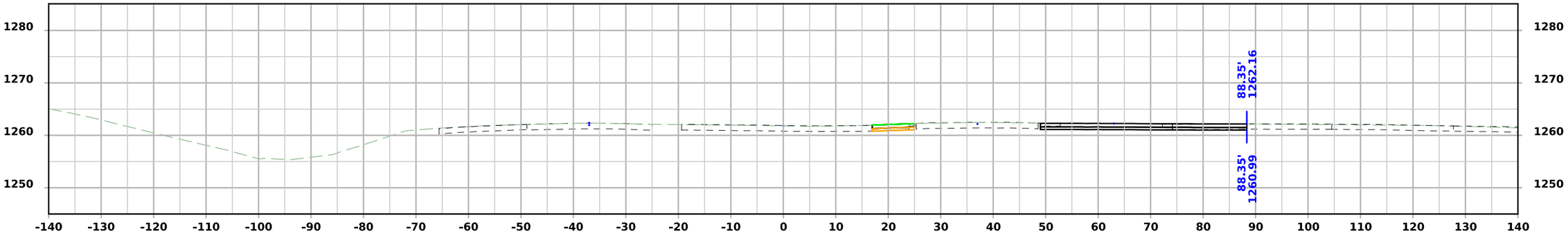
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1040

5:06:26 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

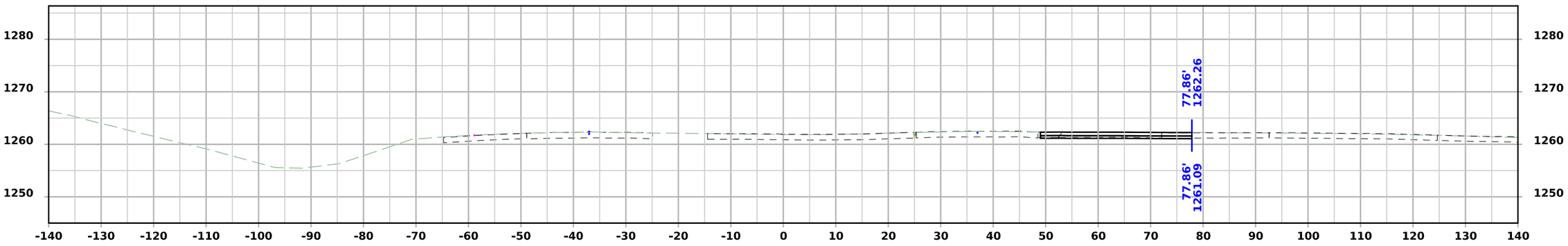
US 59 Stage 1



STA 509+12.40



STA 509+00.00

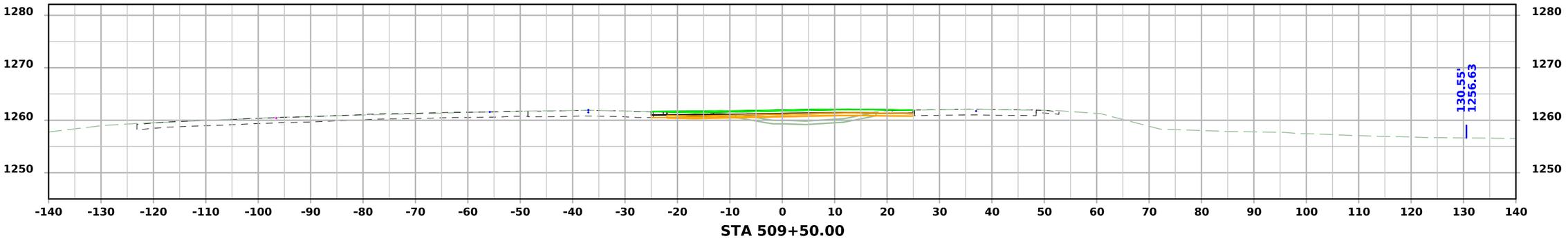


STA 508+96.18

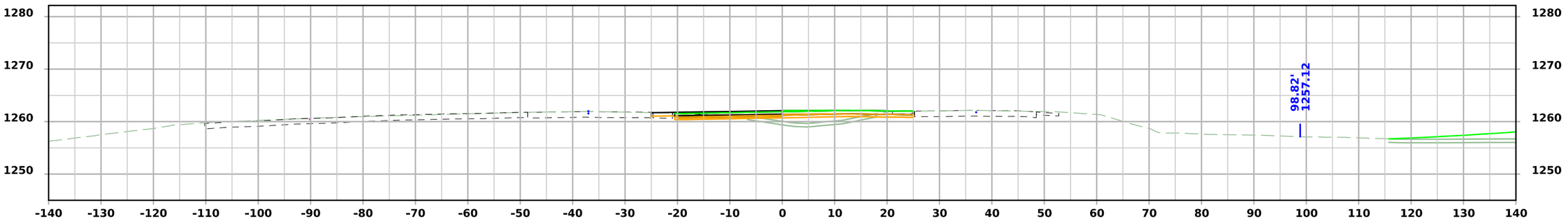
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1041

5:06:29 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

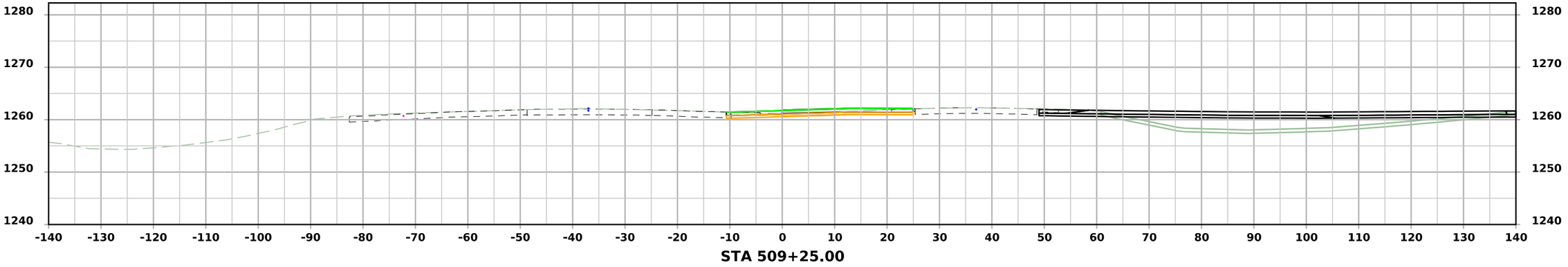
US 59 Stage 1



STA 509+50.00



STA 509+45.00

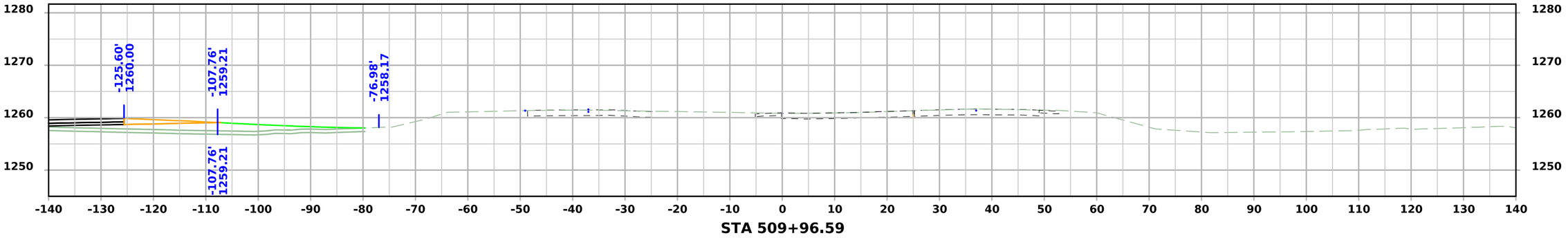


STA 509+25.00

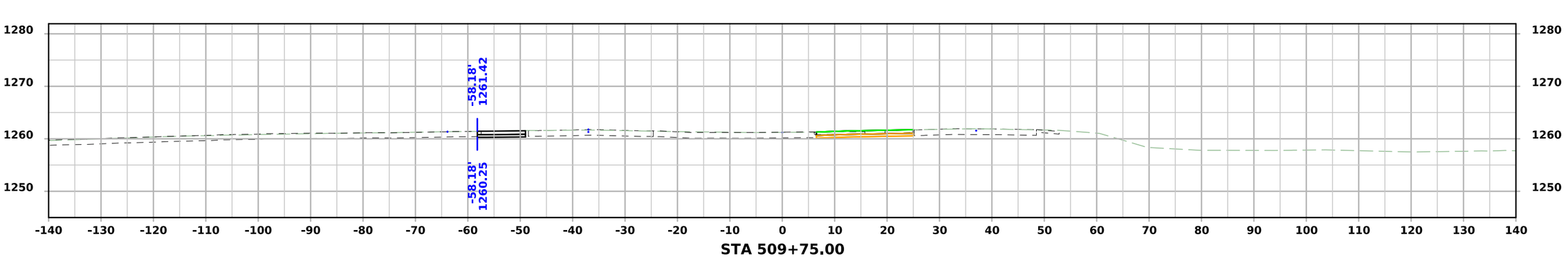
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1042

5:06:32 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

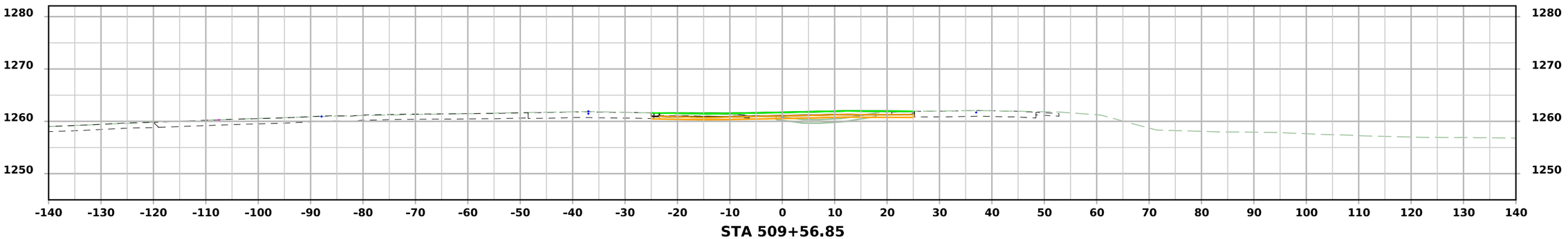
US 59 Stage 1



STA 509+96.59



STA 509+75.00

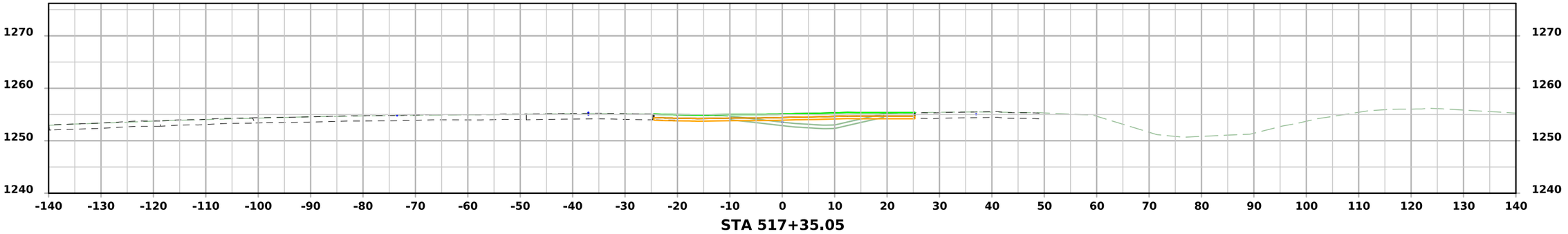


STA 509+56.85

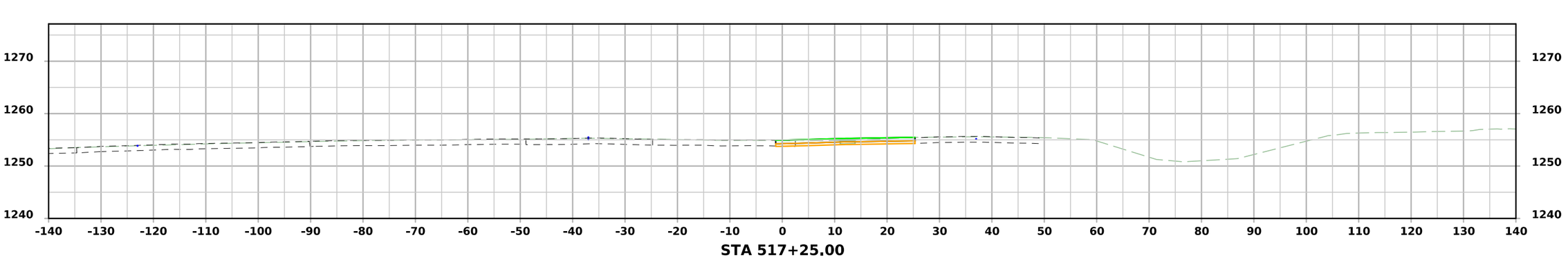
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1043

5:06:34 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

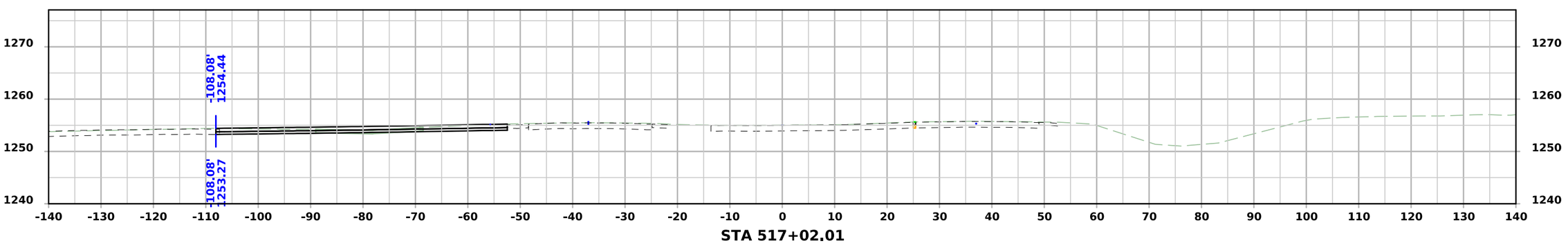
US 59 Stage 1



STA 517+35.05



STA 517+25.00

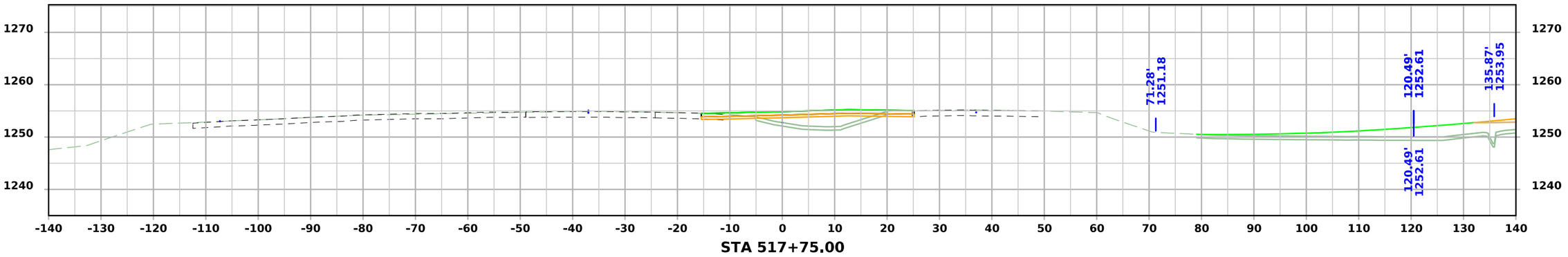


STA 517+02.01

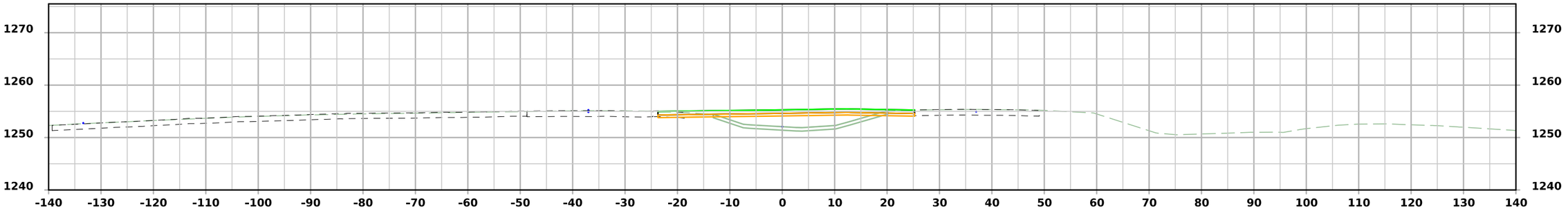
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1044

5:06:37 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

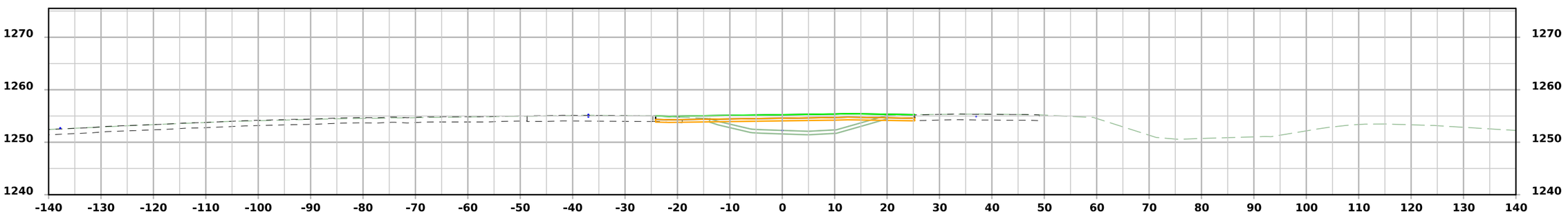
US 59 Stage 1



STA 517+75.00



STA 517+50.00

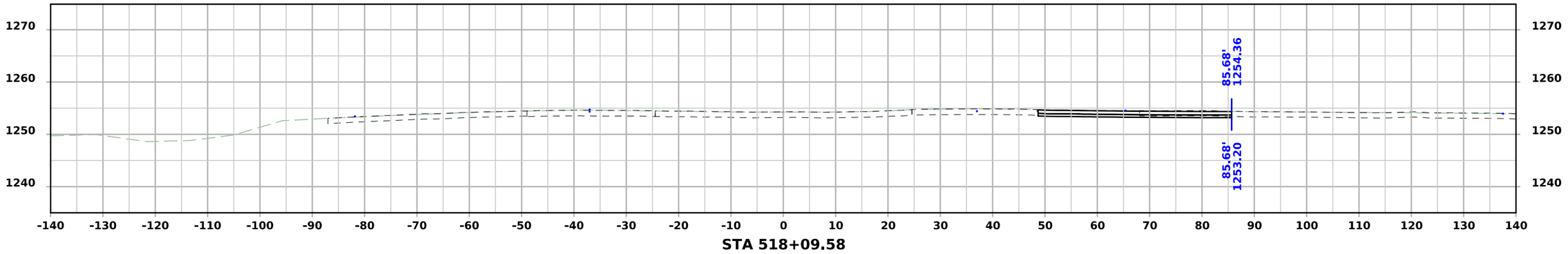


STA 517+46.49

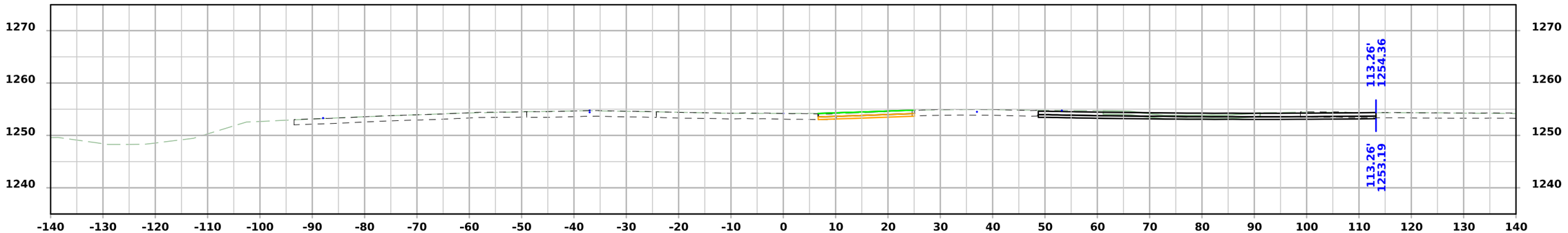
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1045

5:06:39 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

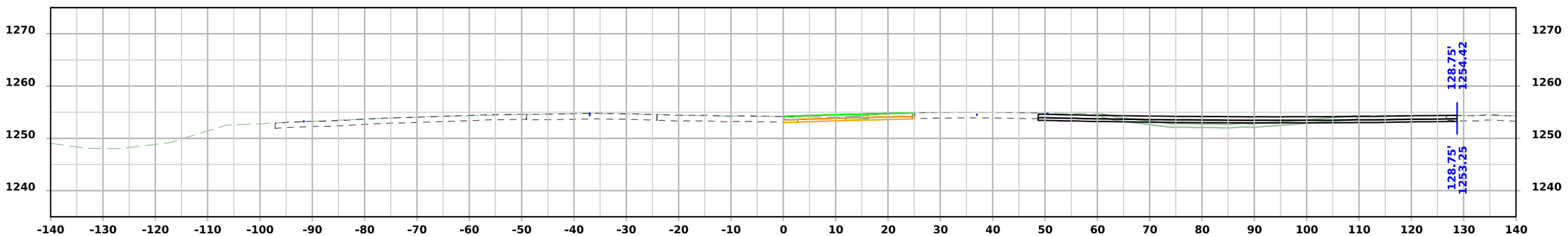
US 59 Stage 1



STA 518+09.58



STA 518+00.00

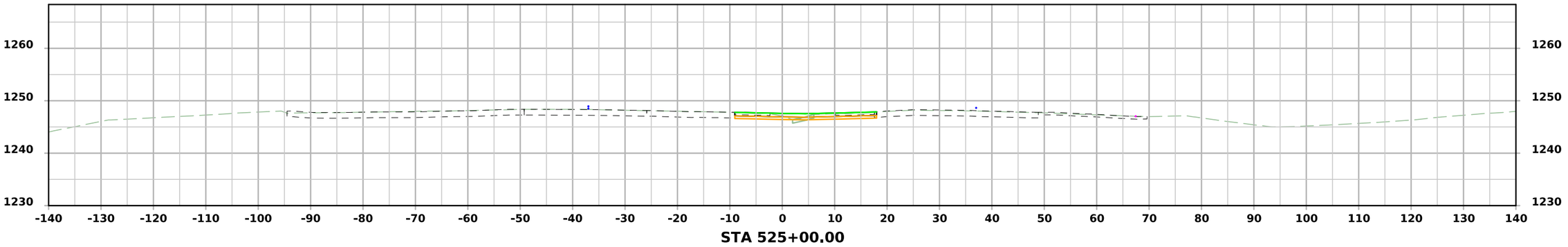


STA 517+94.62

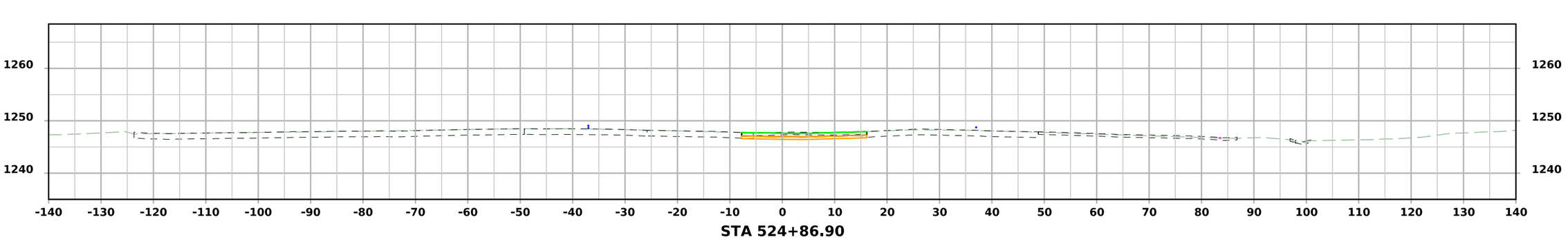
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1046

5:06:42 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

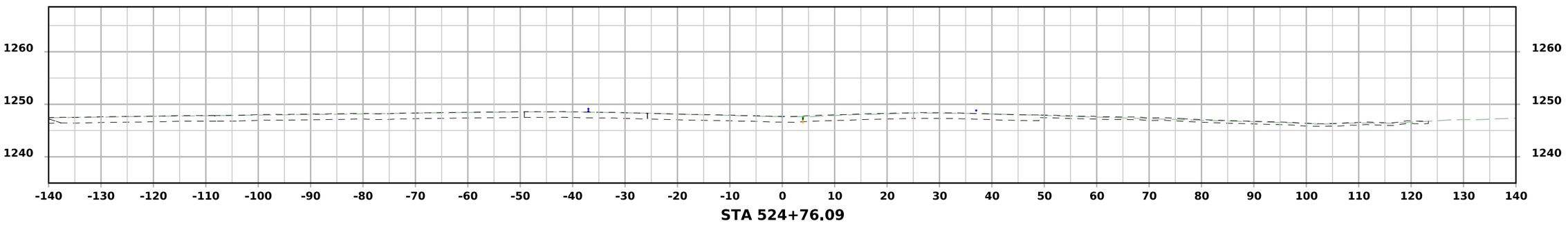
US 59 Stage 1



STA 525+00.00



STA 524+86.90

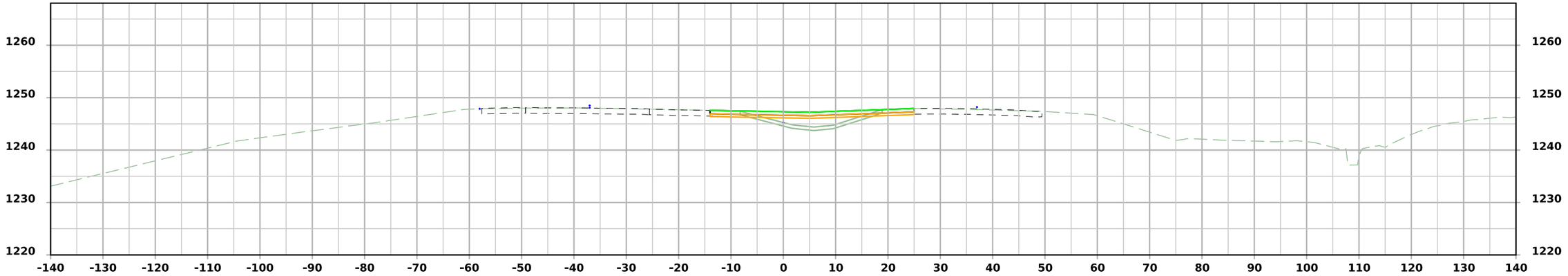


STA 524+76.09

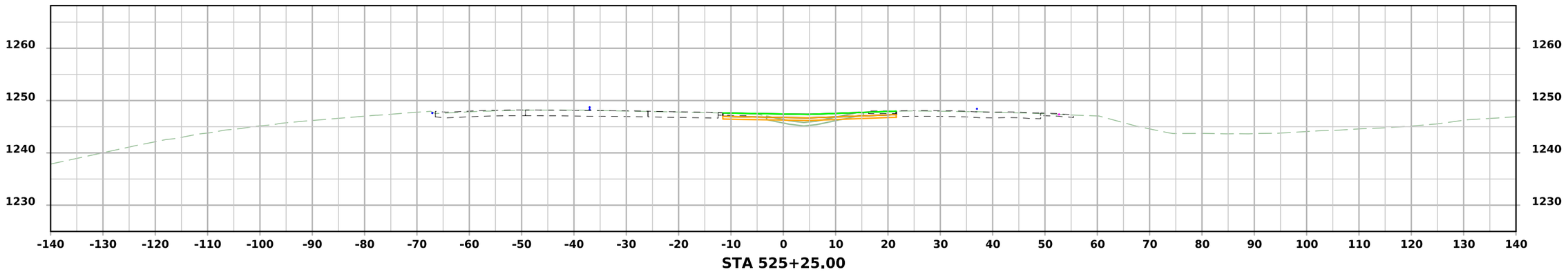
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1047

5:06:44 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1



STA 525+50.00

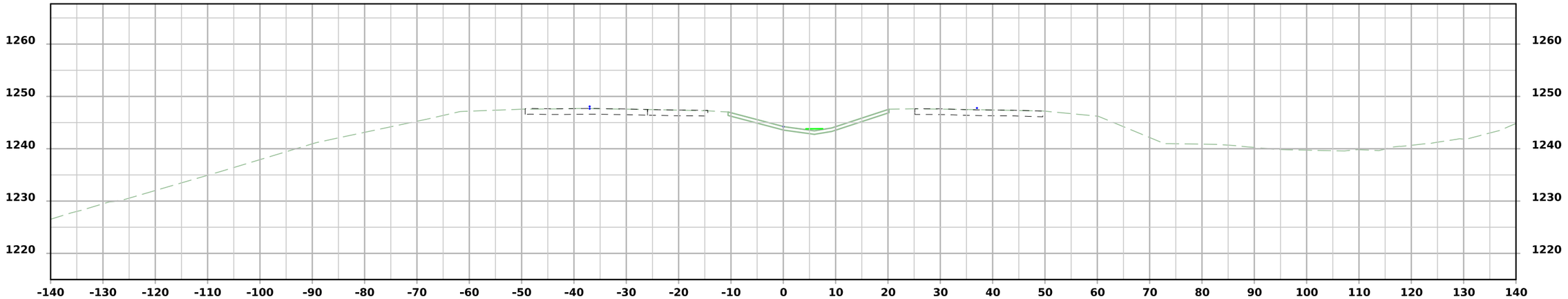


STA 525+25.00

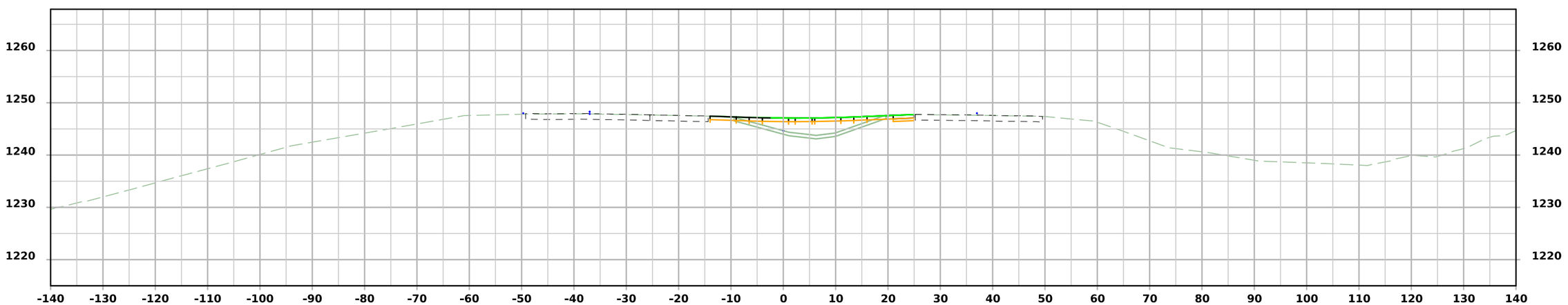
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1048

5:06:46 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1



STA 526+01.35

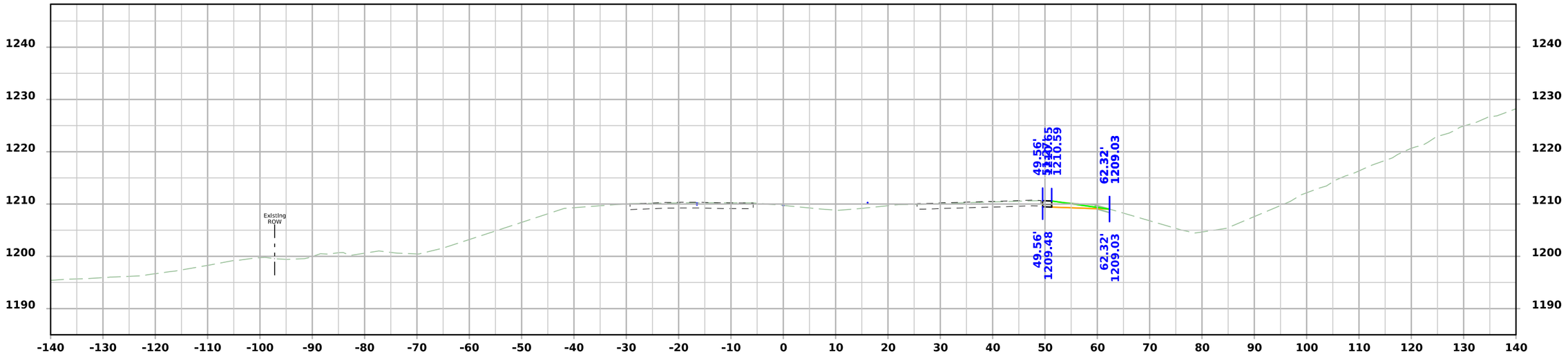


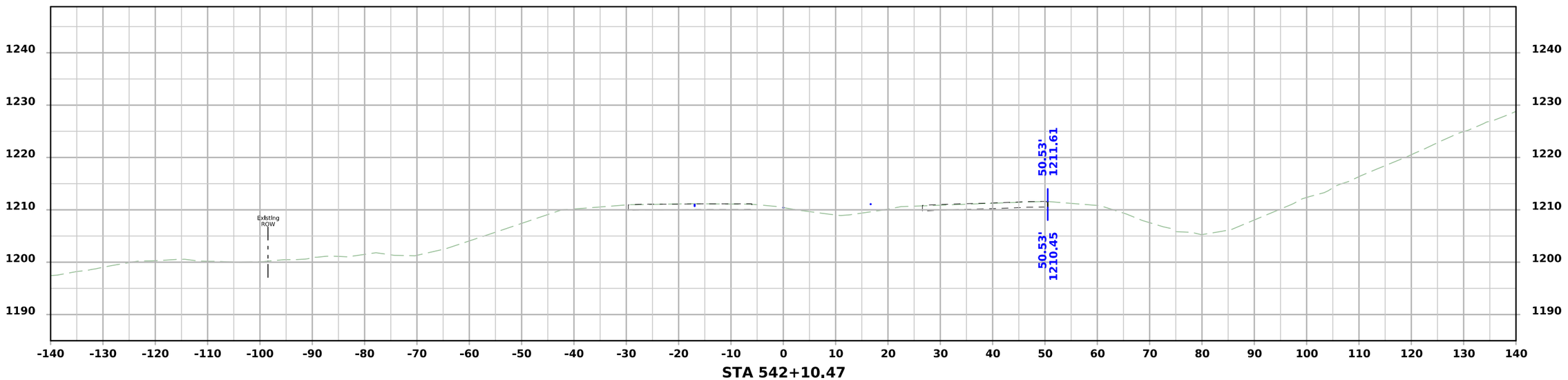
STA 525+75.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1049

5:06:48 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1

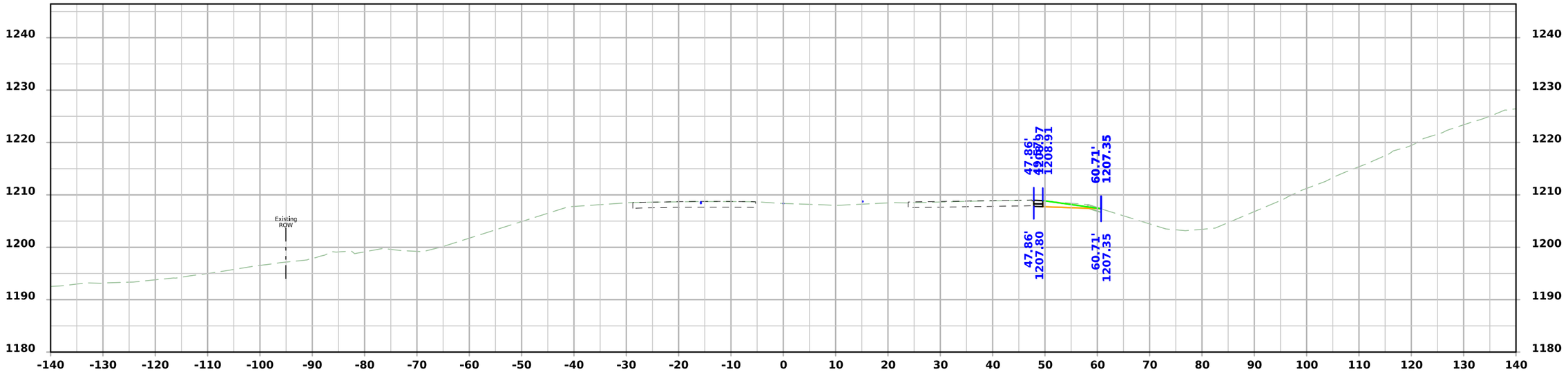




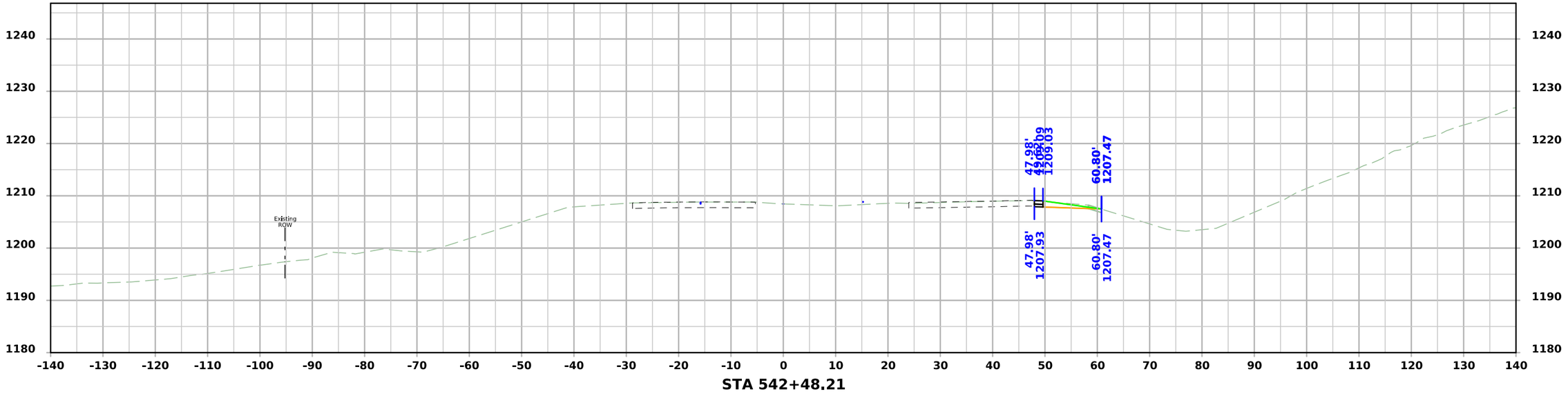
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1050

5:06:50 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1



STA 542+50.00

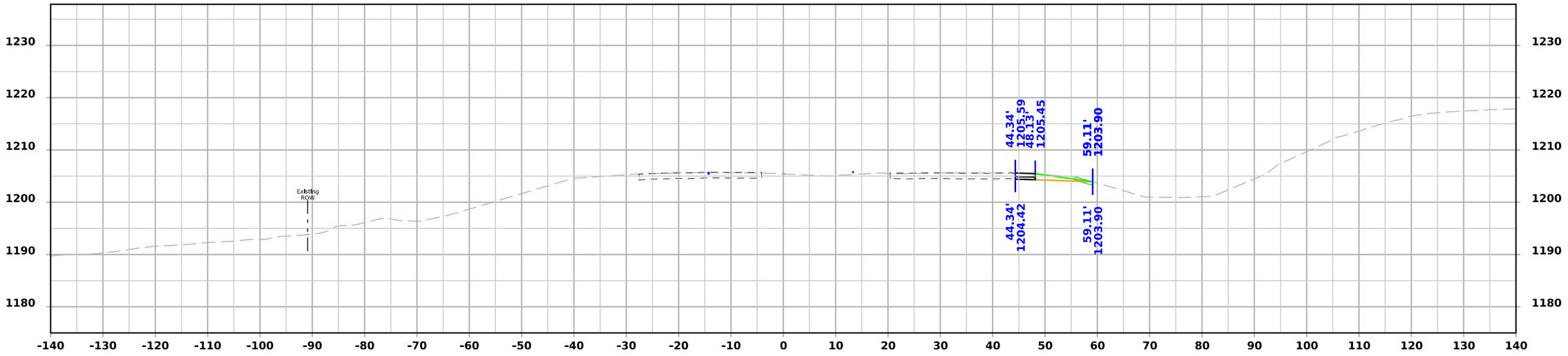


STA 542+48.21

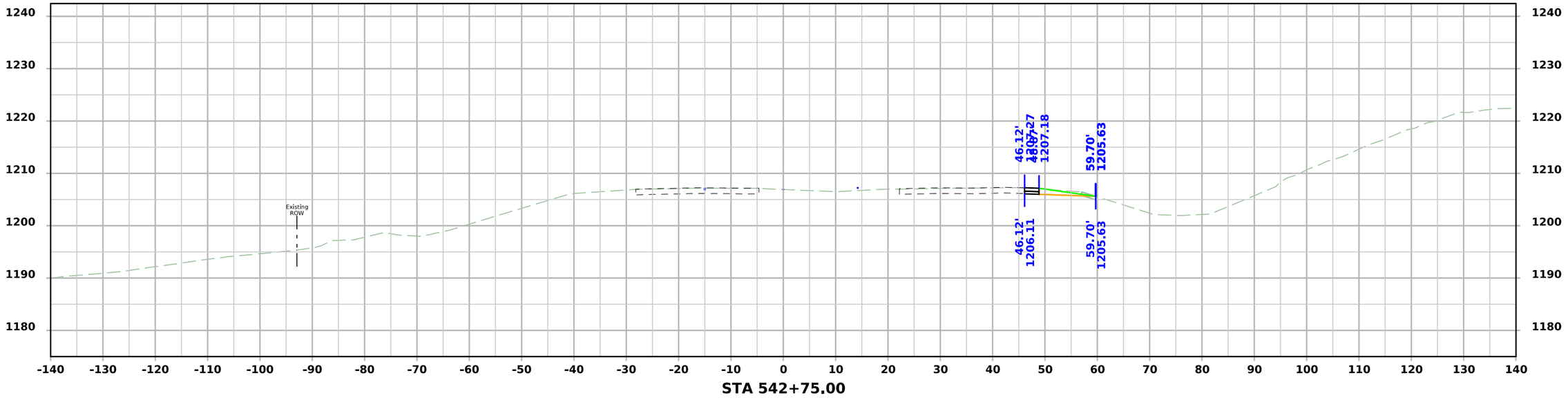
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1051

5:06:52 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1



STA 543+00.00

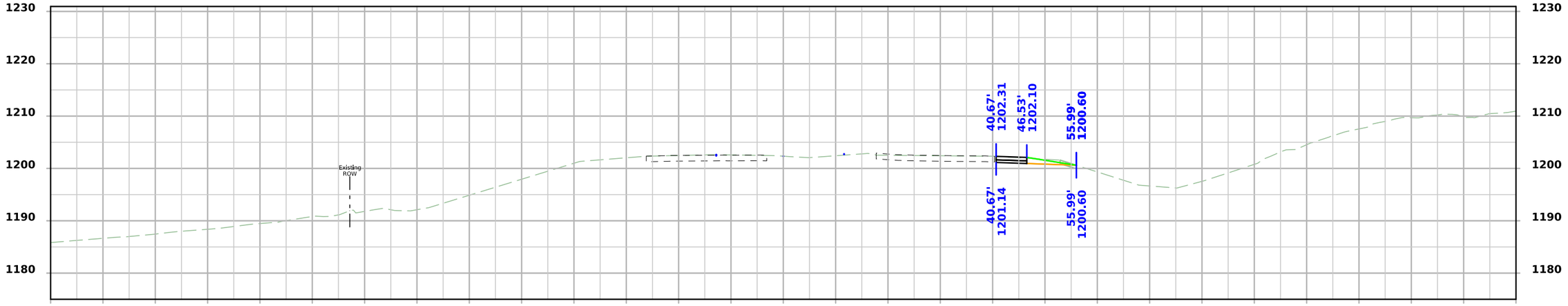


STA 542+75.00

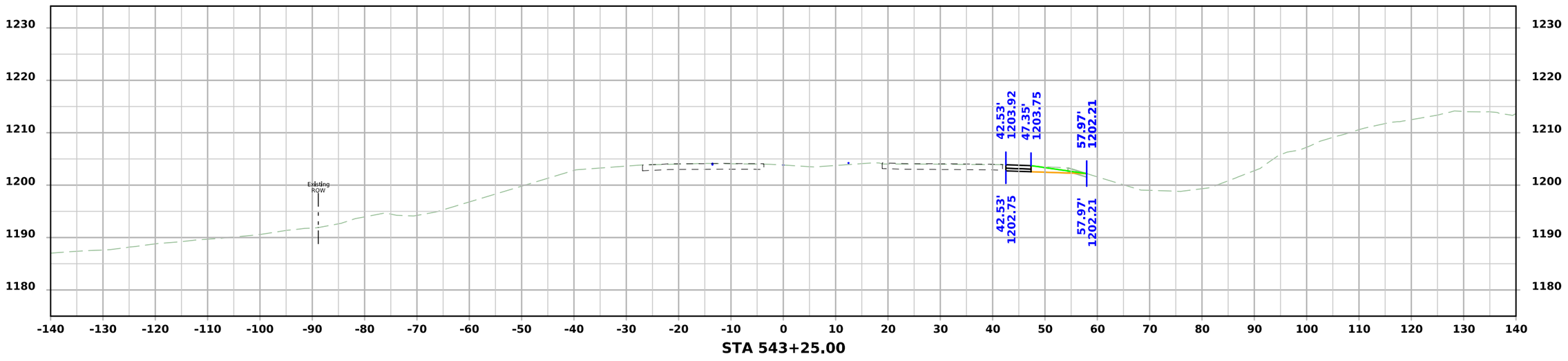
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1052

5:06:54 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1



STA 543+50.00

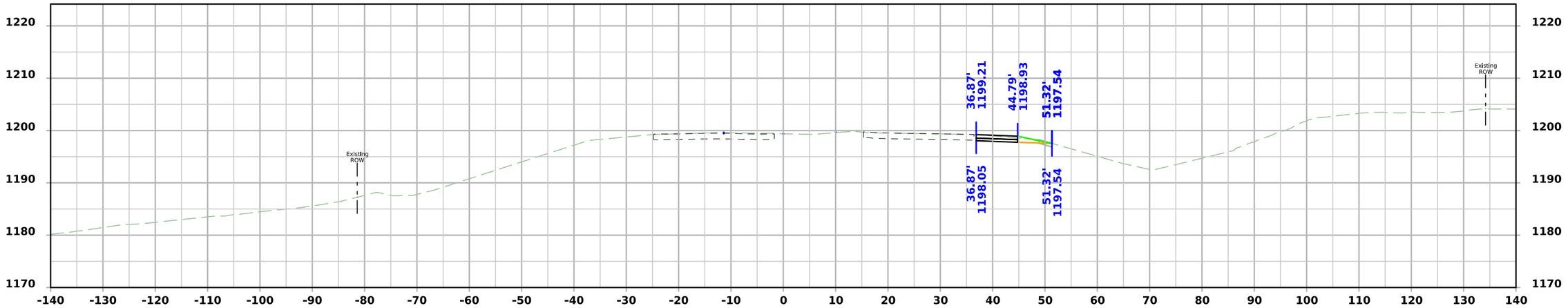


STA 543+25.00

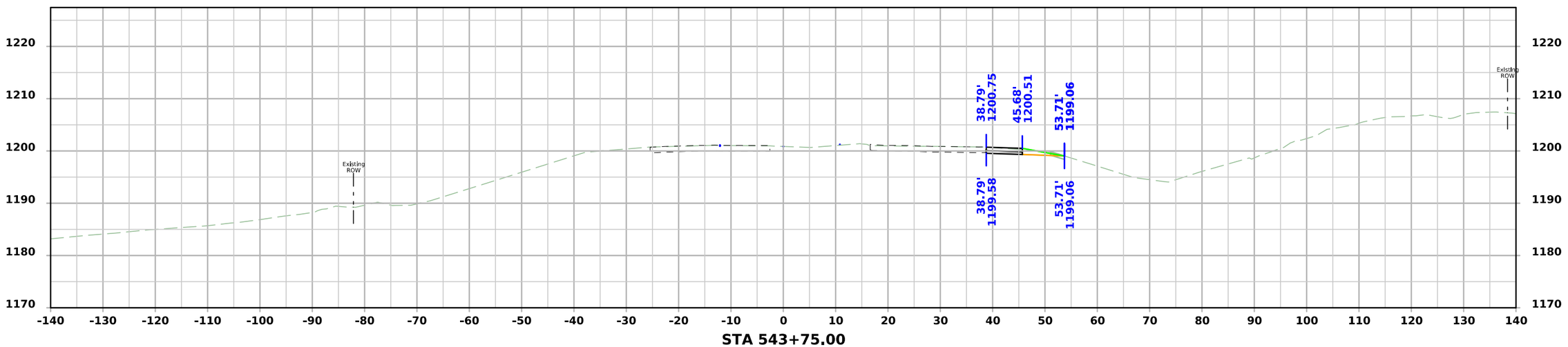
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1053

5:06:56 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1



STA 544+00.00

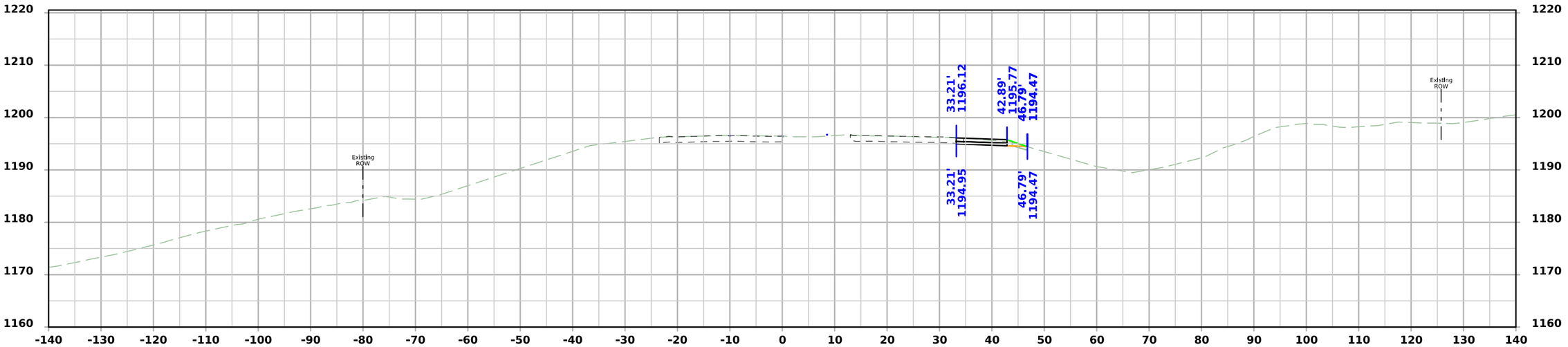


STA 543+75.00

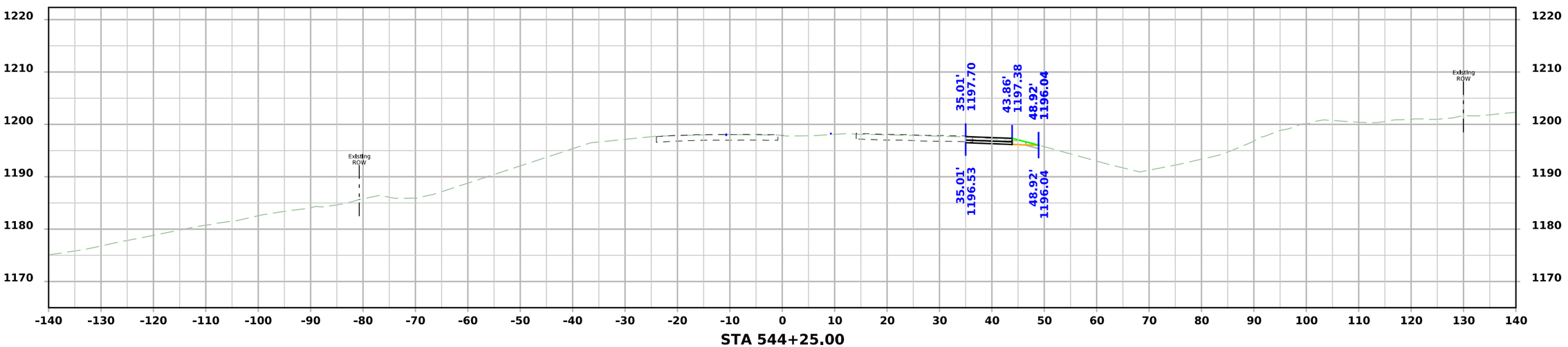
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1054

5:06:58 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1



STA 544+50.00

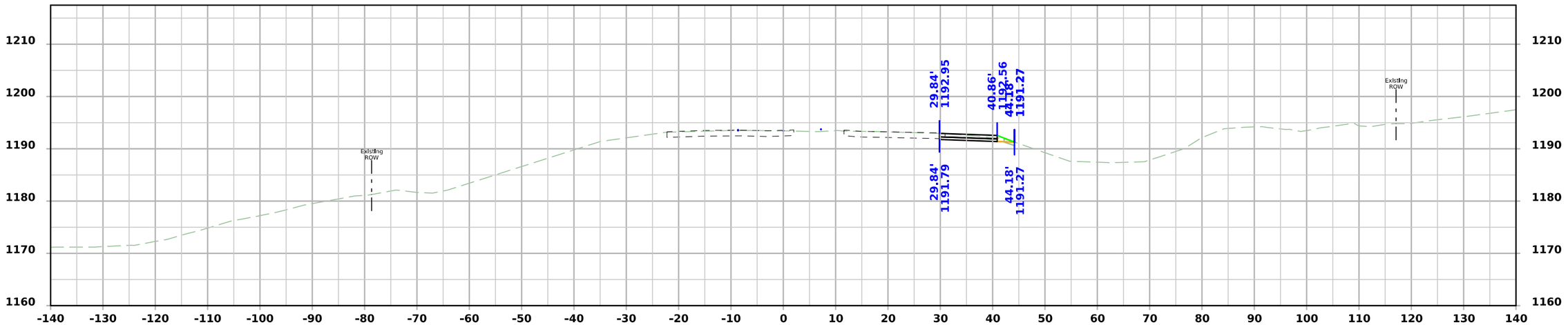


STA 544+25.00

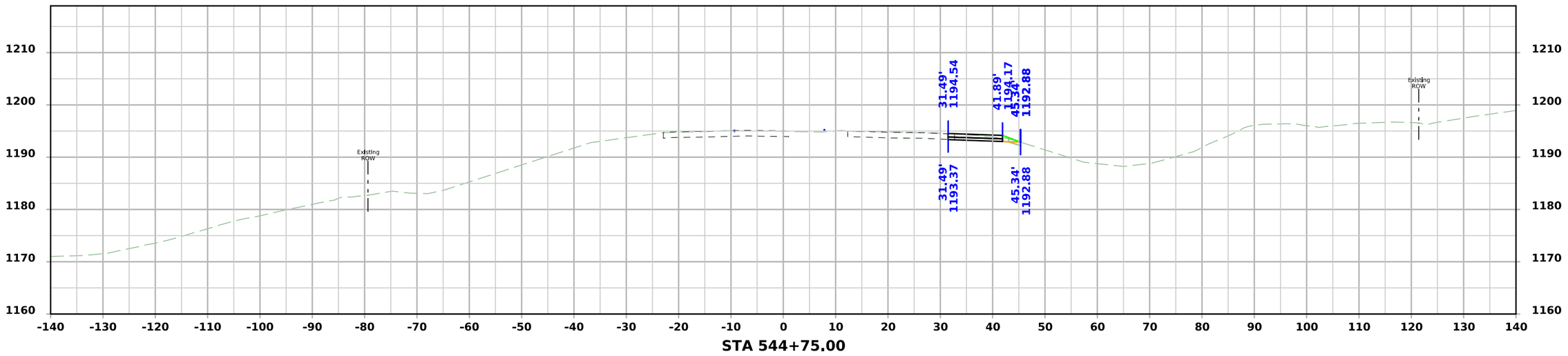
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1055

5:07:00 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1



STA 545+00.00

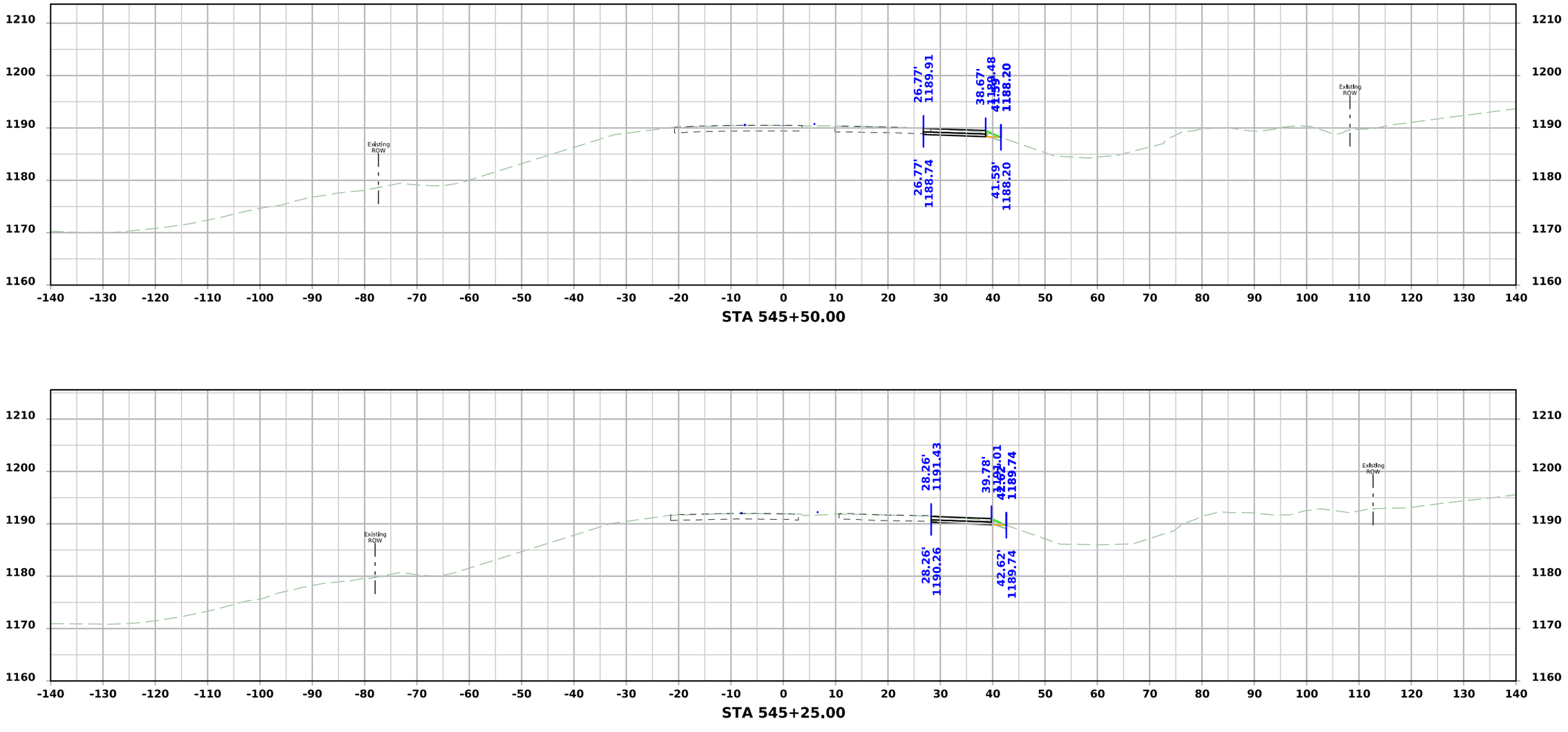


STA 544+75.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1056

5:07:02 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

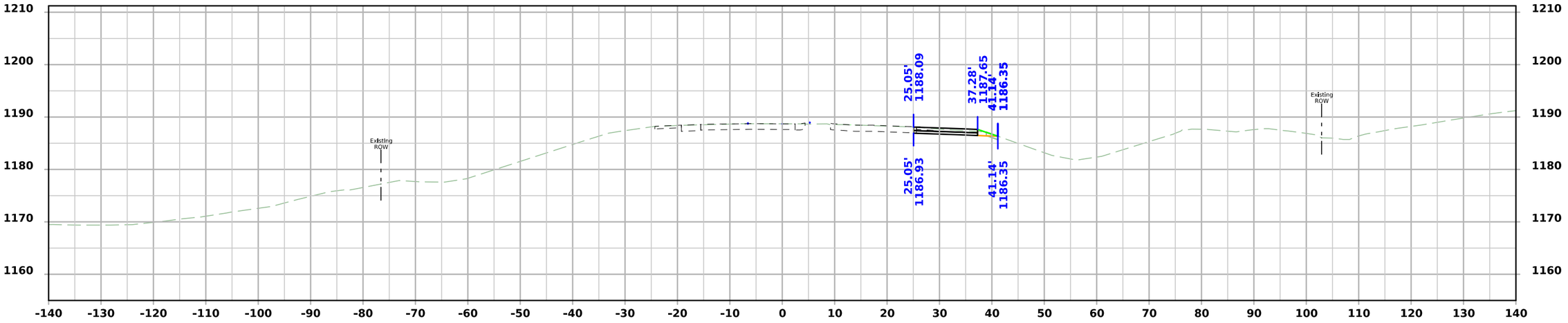
US 59 Stage 1



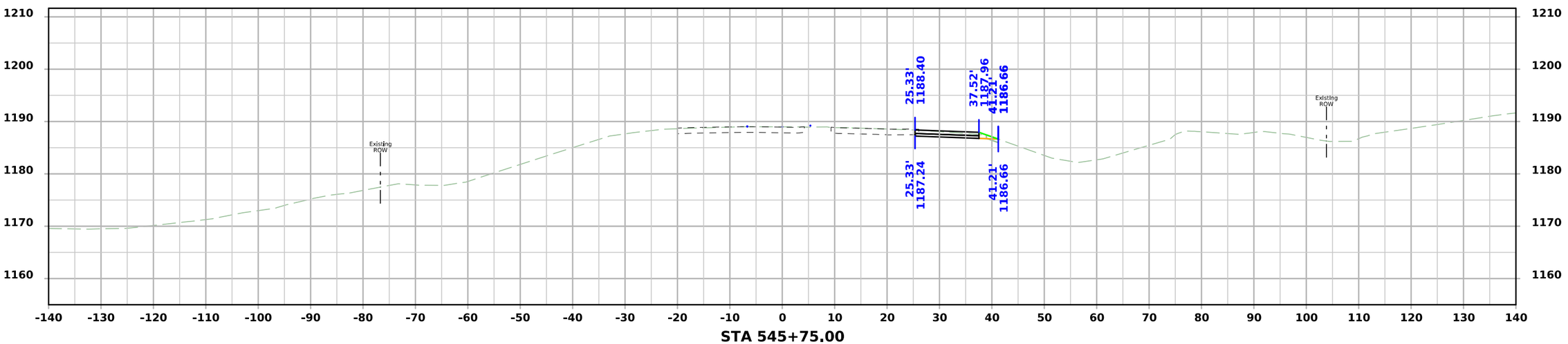
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1057

5:07:04 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1



STA 545+80.00

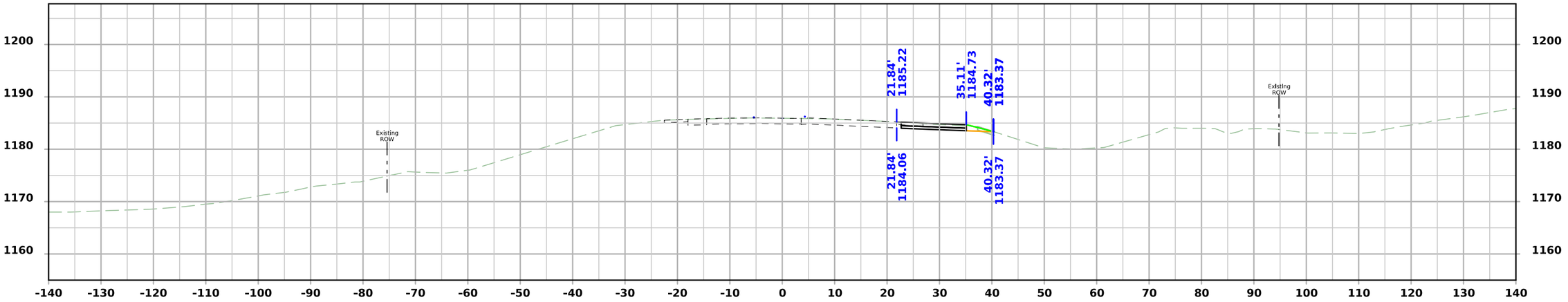


STA 545+75.00

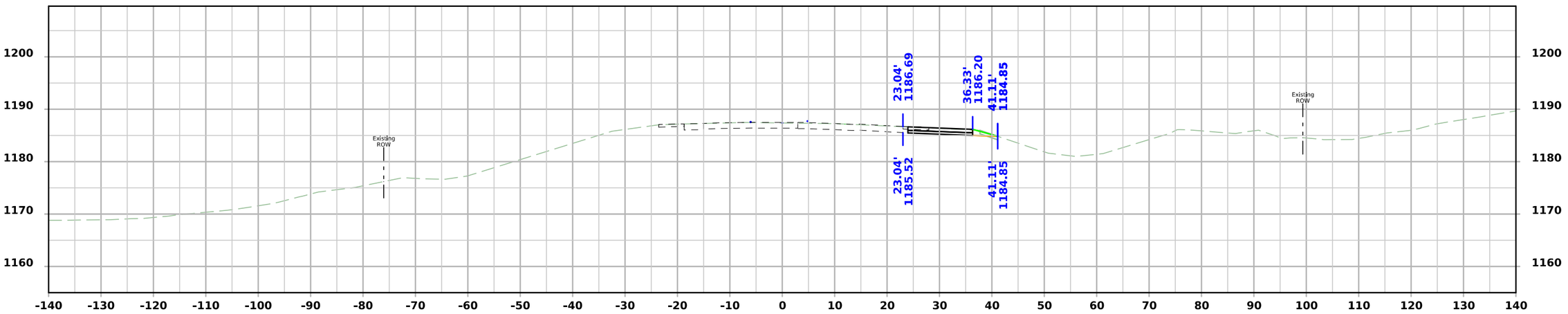
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1058

5:07:06 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1



STA 546+25.00

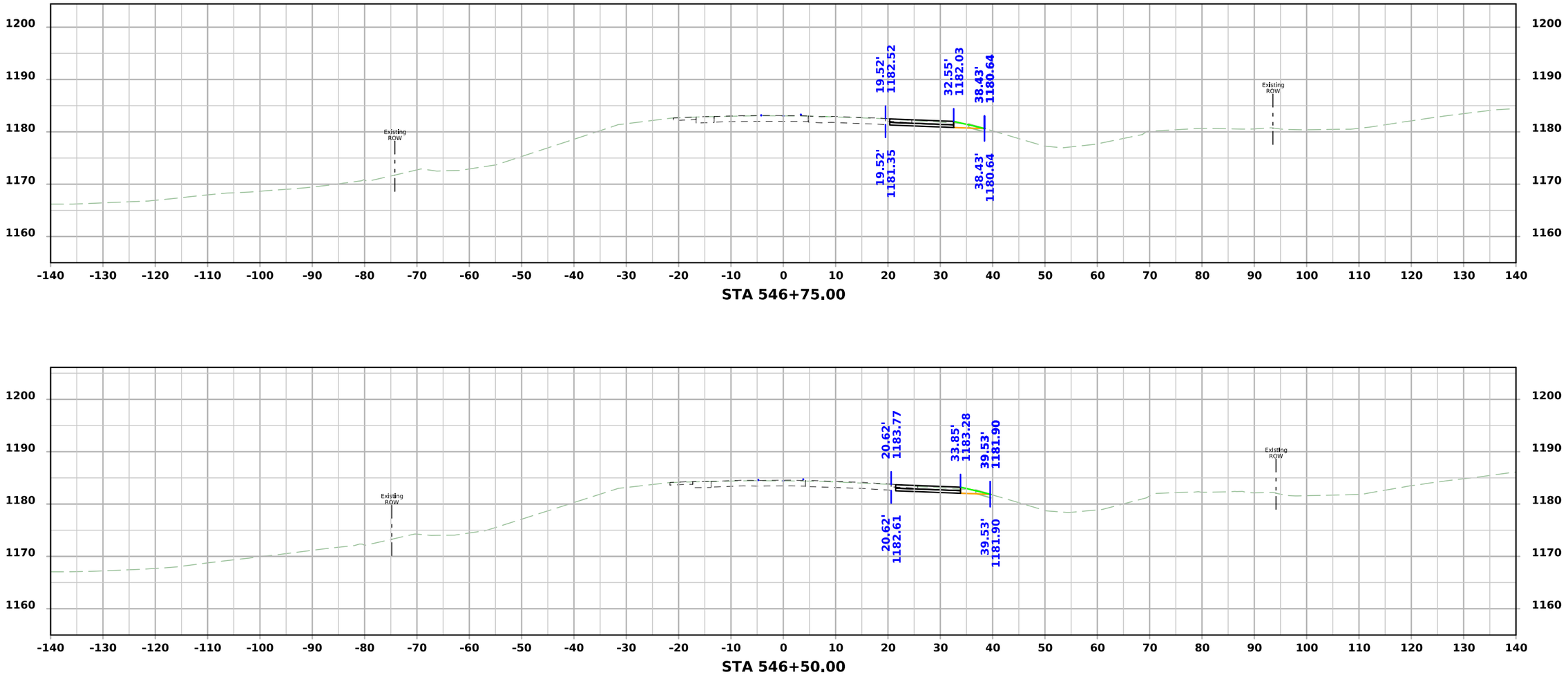


STA 546+00.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1059

5:07:08 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

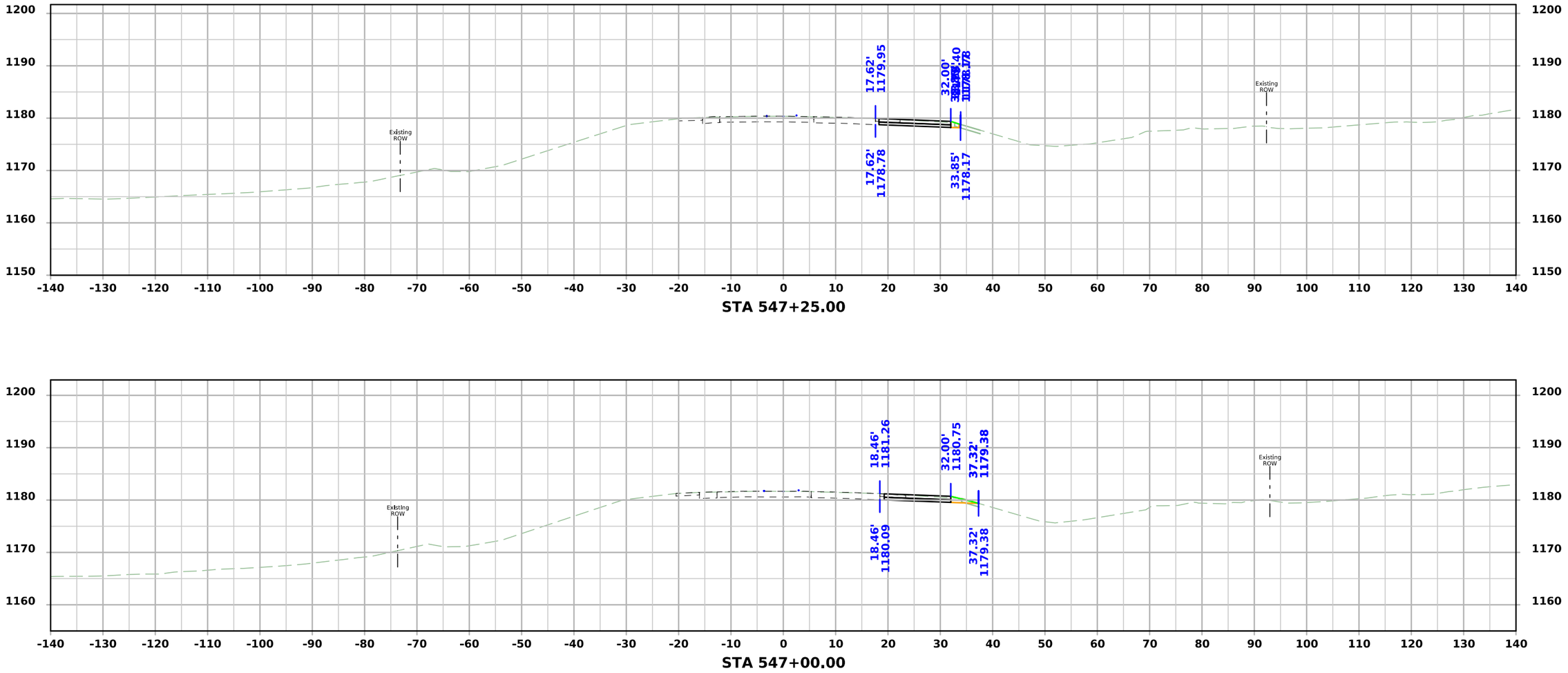
US 59 Stage 1



FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1060

5:07:10 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

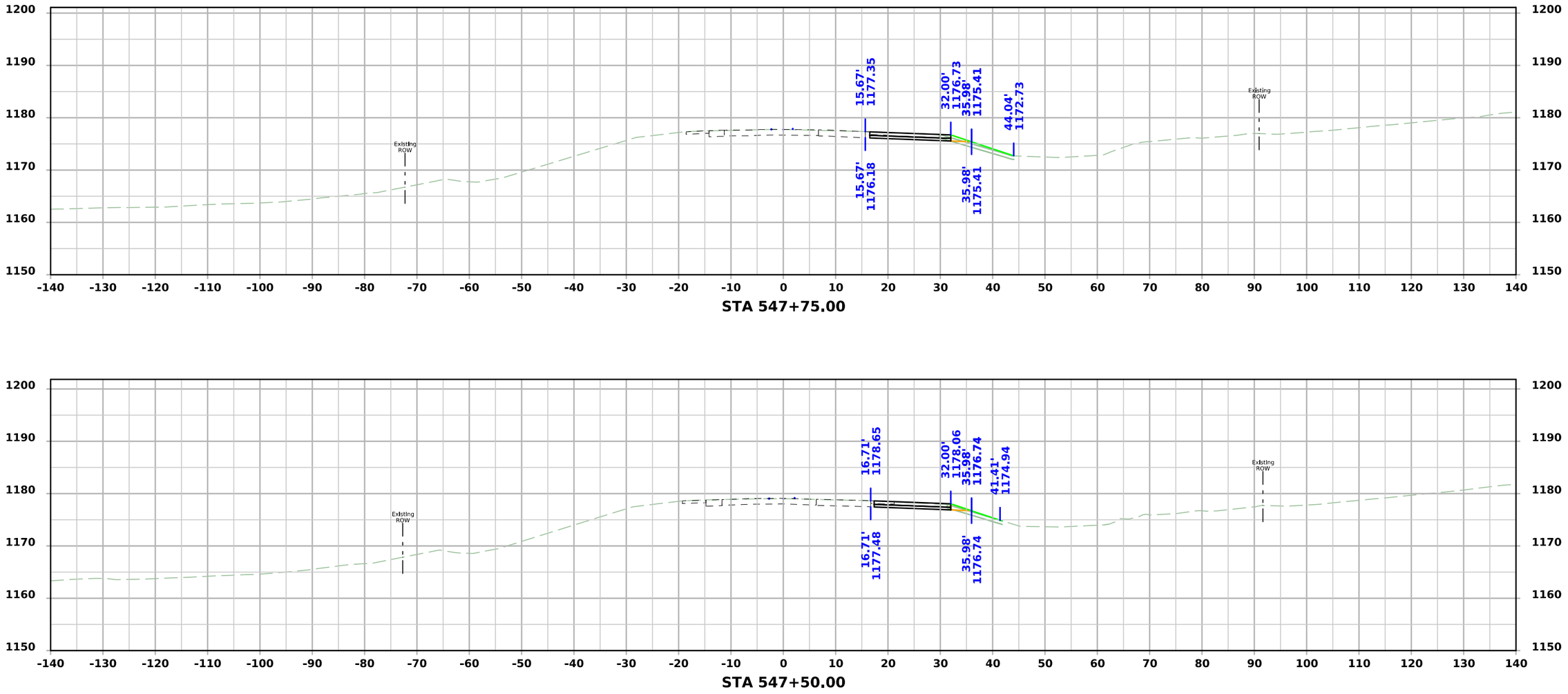
US 59 Stage 1



FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1061

5:07:12 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1



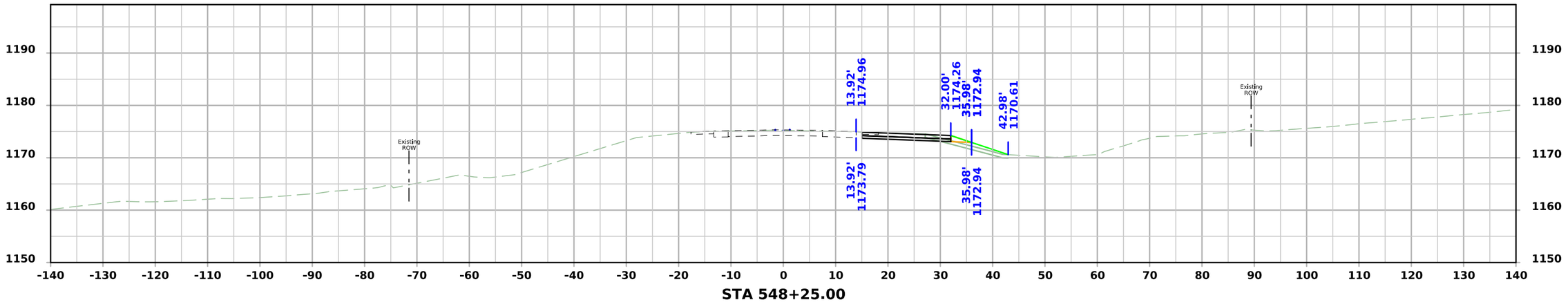
STA 547+75.00

STA 547+50.00

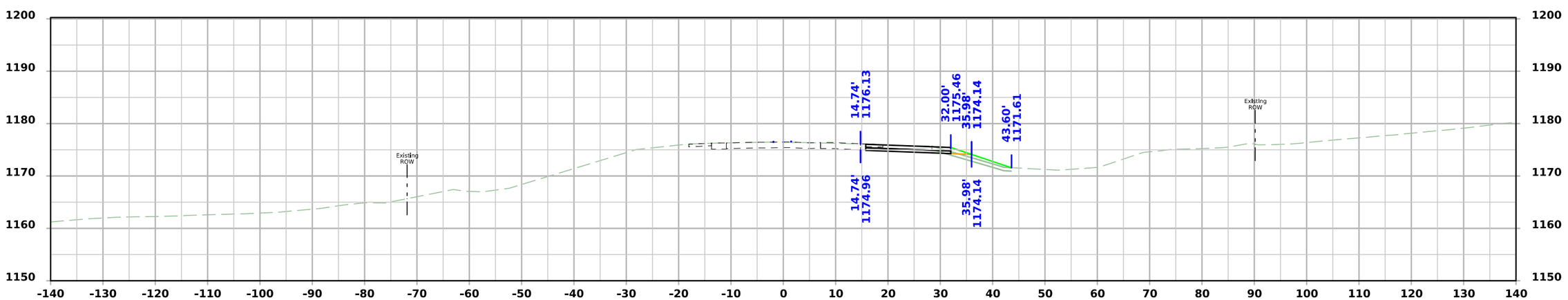
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1062

5:07:14 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1



STA 548+25.00

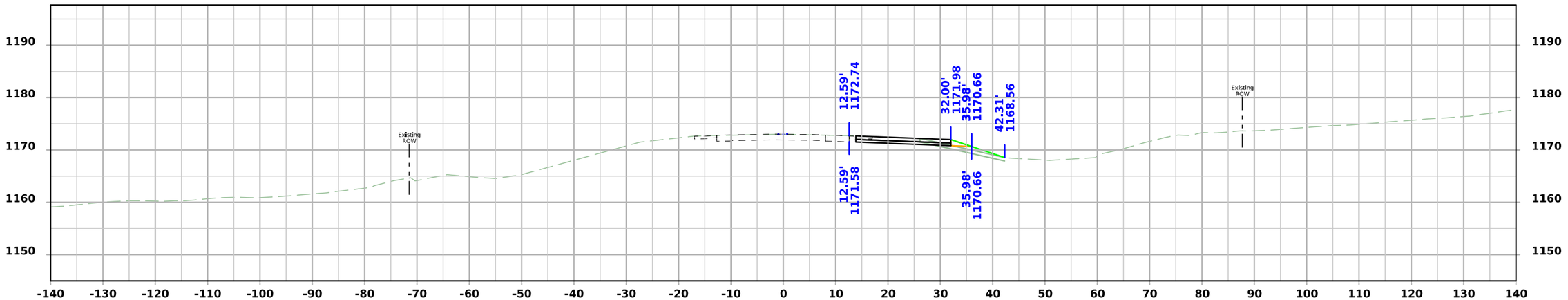


STA 548+00.00

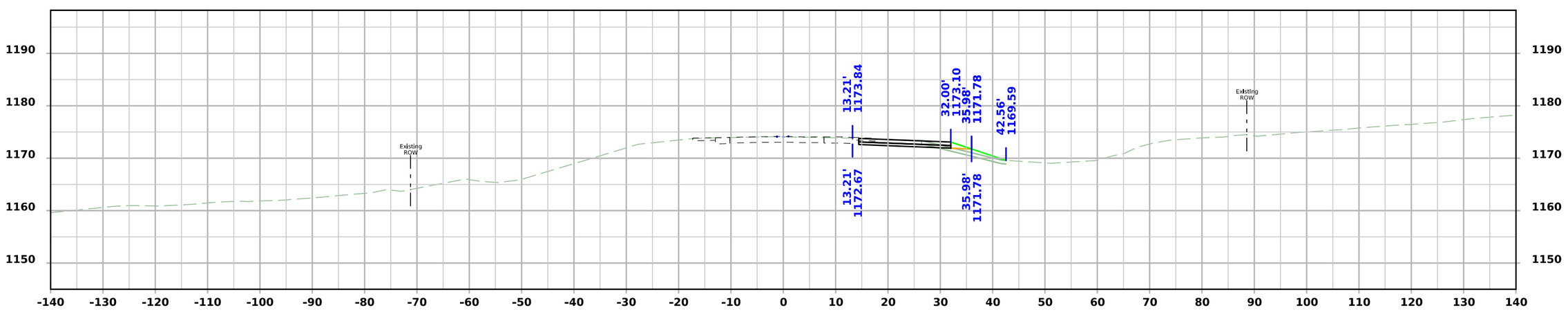
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1063

5:07:16 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1



STA 548+75.00

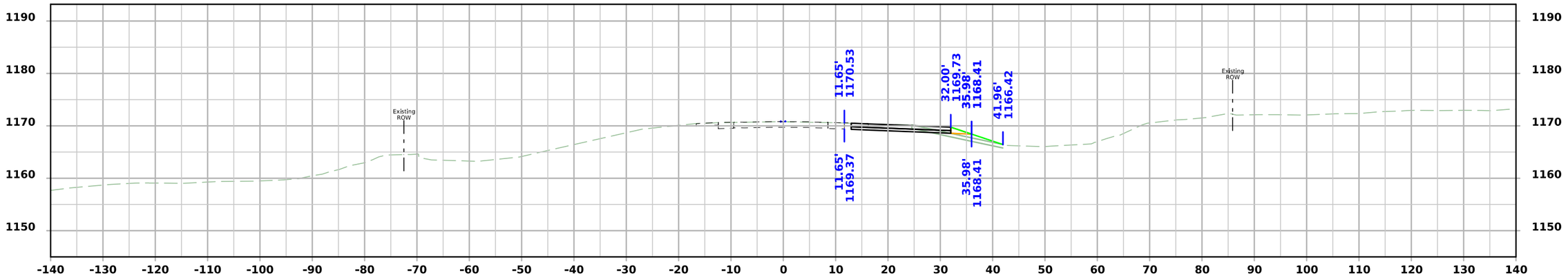


STA 548+50.00

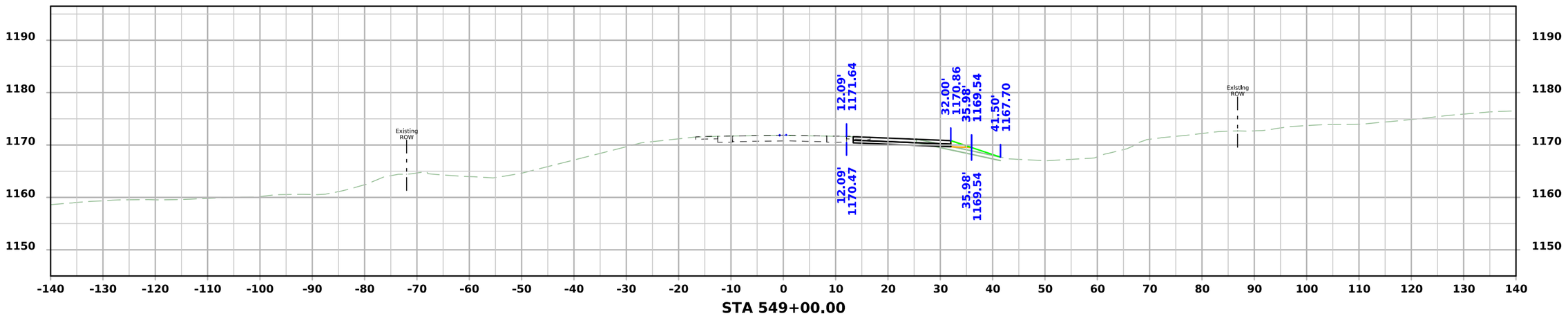
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1064

5:07:18 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1



STA 549+25.00

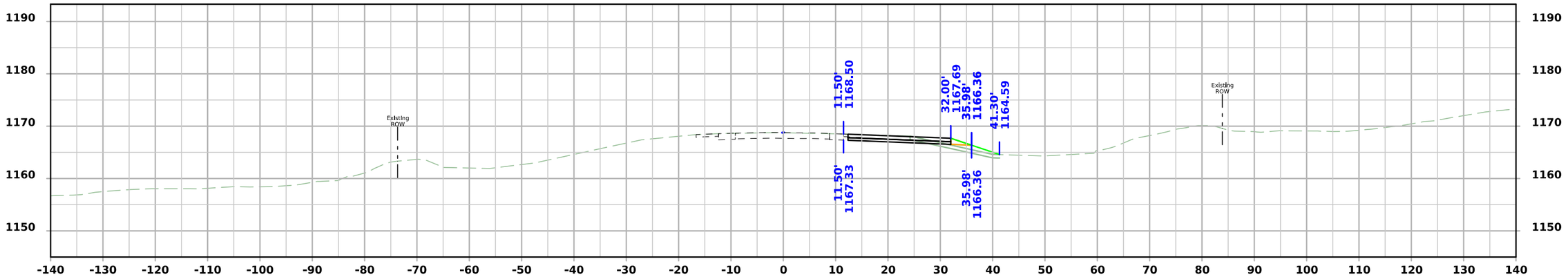


STA 549+00.00

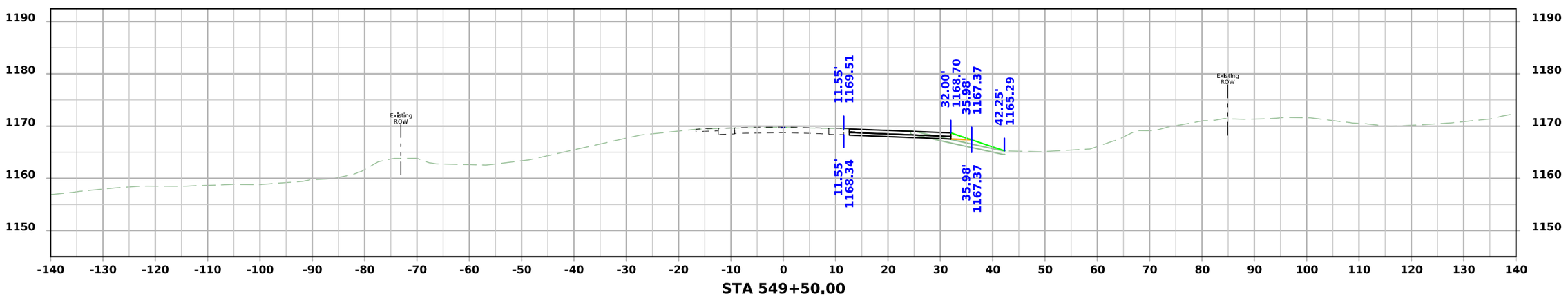
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1065

5:07:20 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1



STA 549+75.00

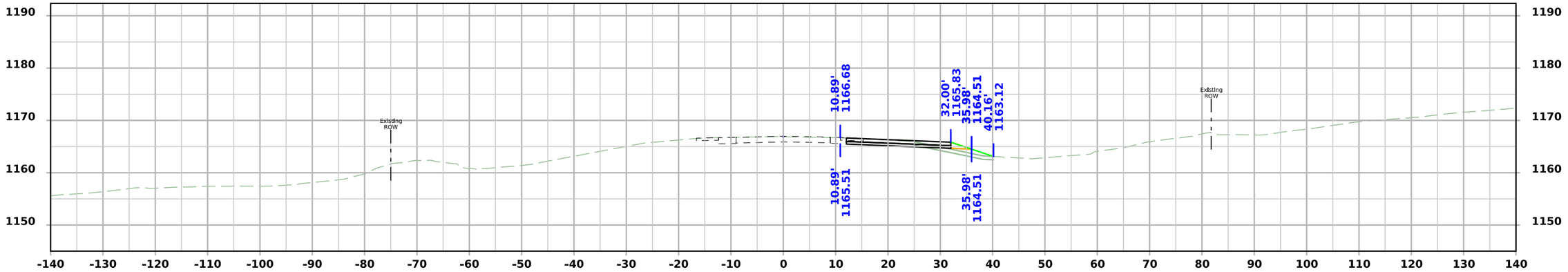


STA 549+50.00

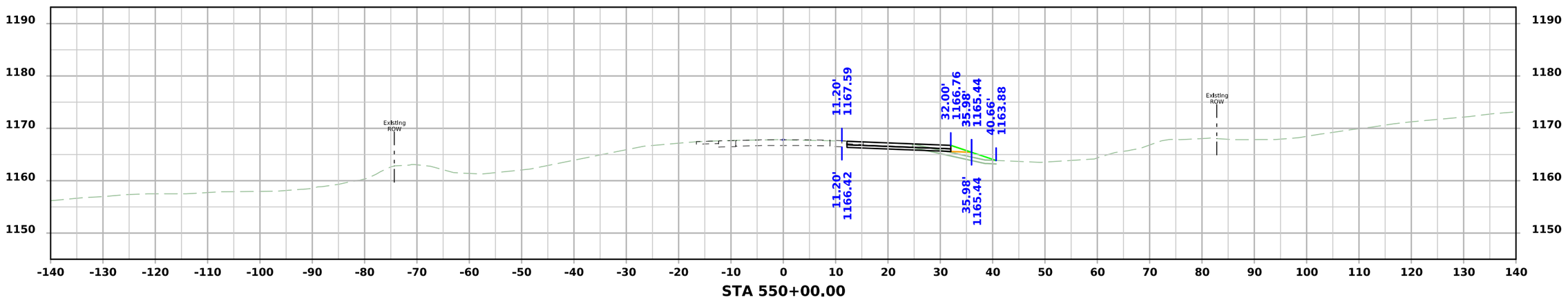
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1066

5:07:21 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1



STA 550+25.00

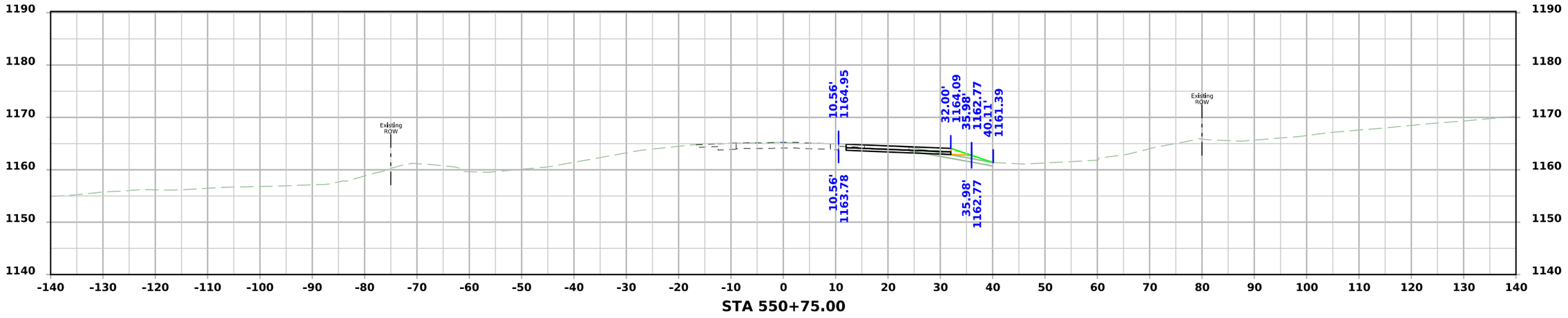


STA 550+00.00

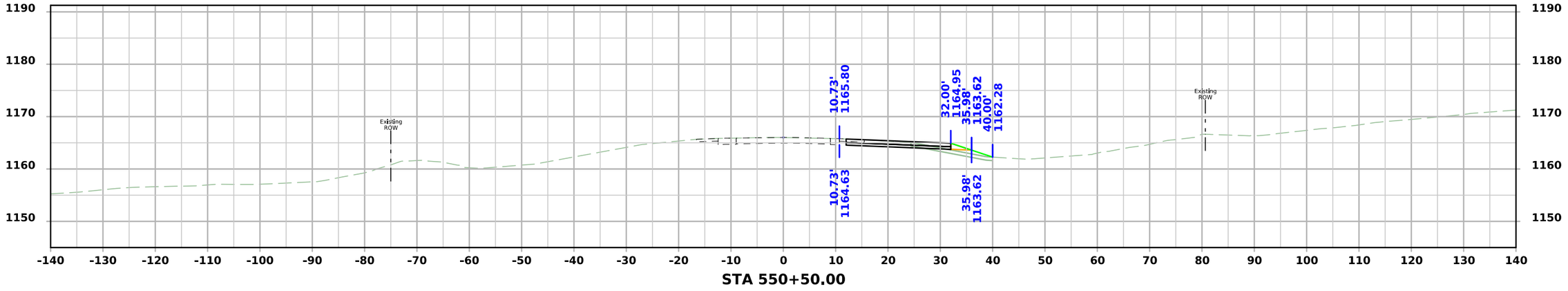
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1067

5:07:23 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1



STA 550+75.00

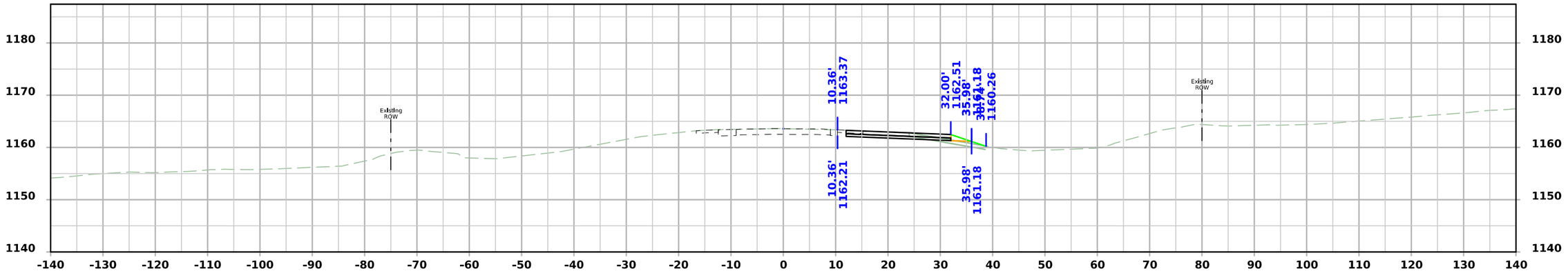


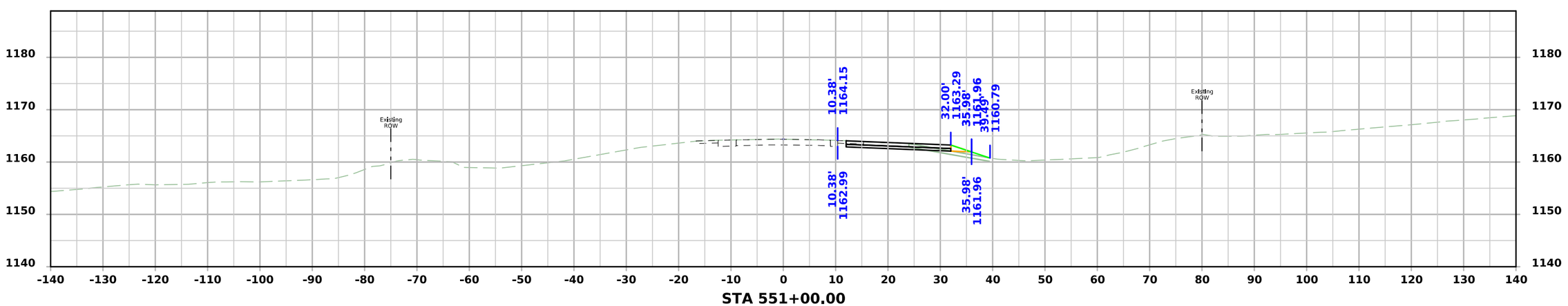
STA 550+50.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1068

5:07:25 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 1

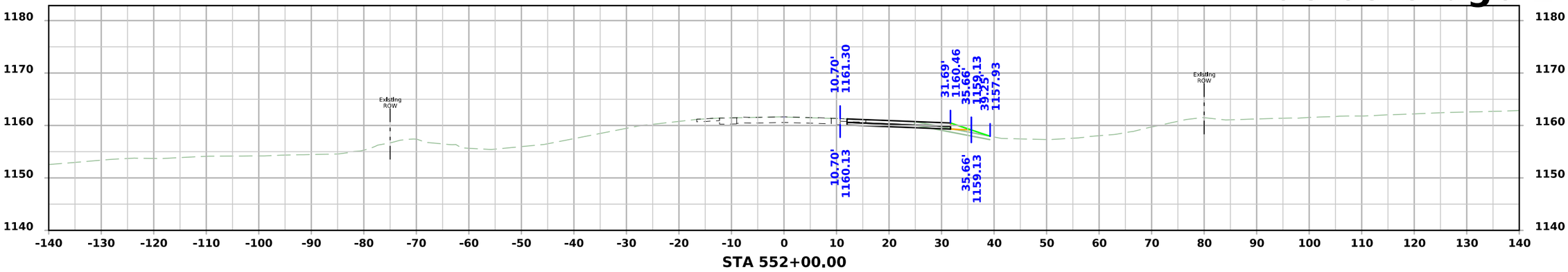




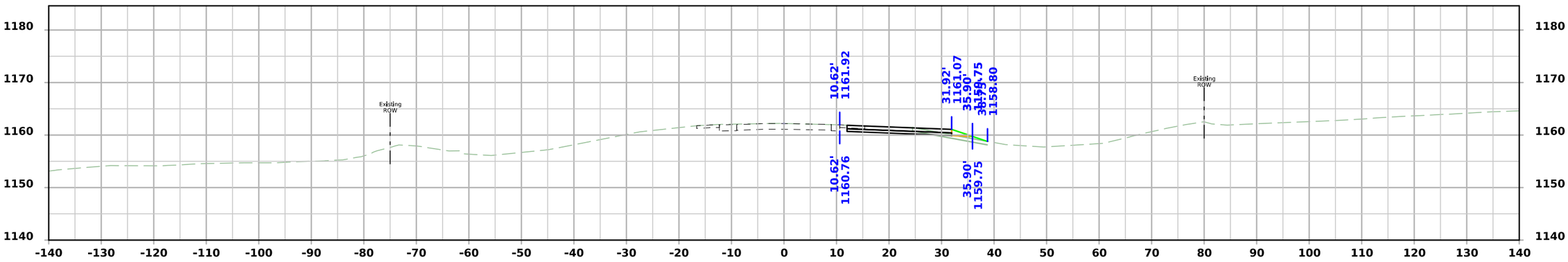
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1069

5:07:27 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

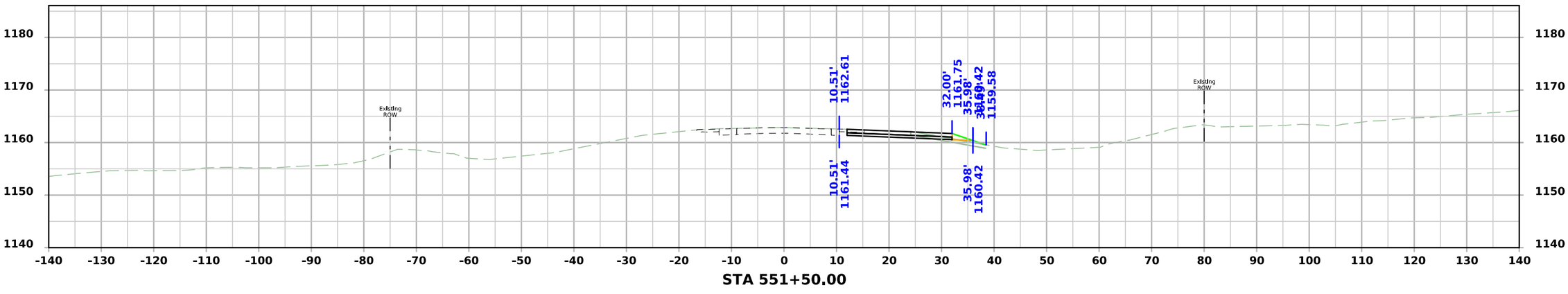
US 59 Stage 1



STA 552+00.00



STA 551+75.00

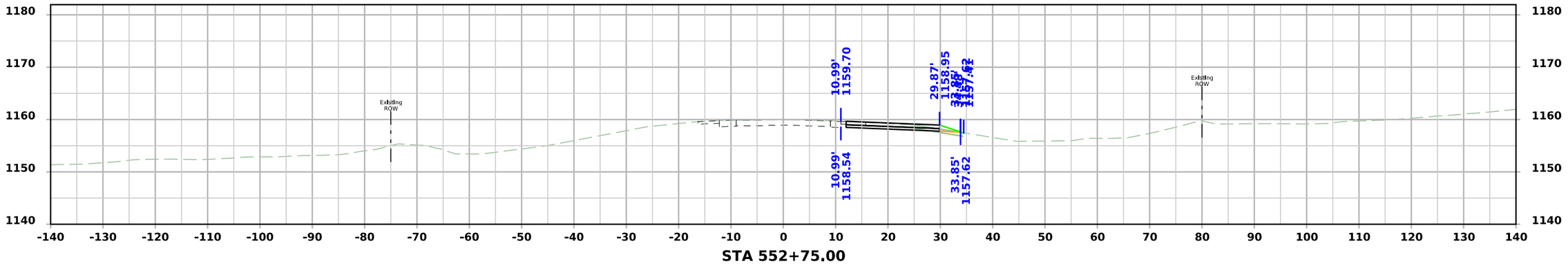


STA 551+50.00

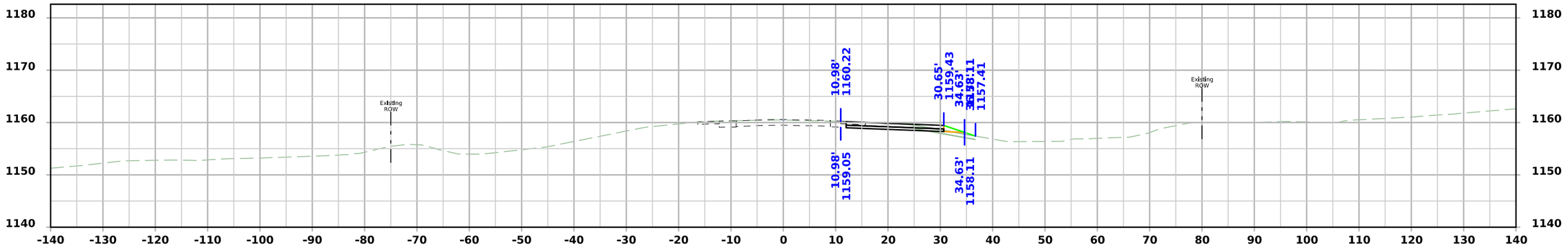
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1070

5:07:29 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

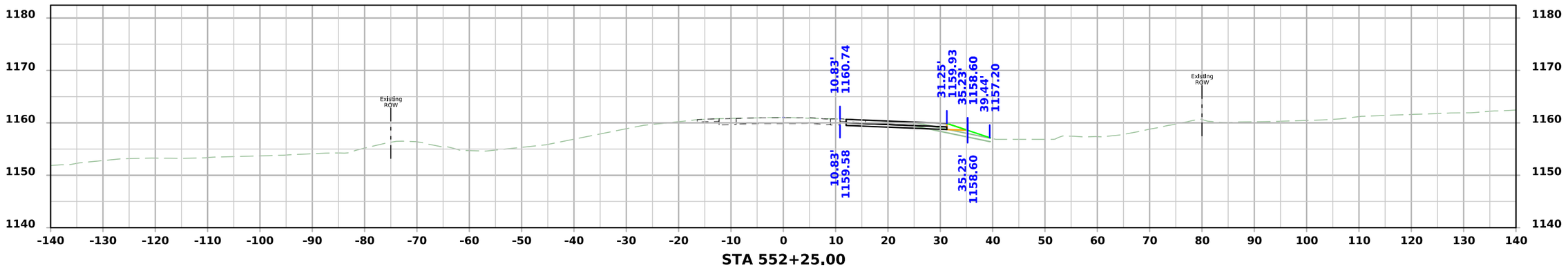
US 59 Stage 1



STA 552+75.00



STA 552+50.00

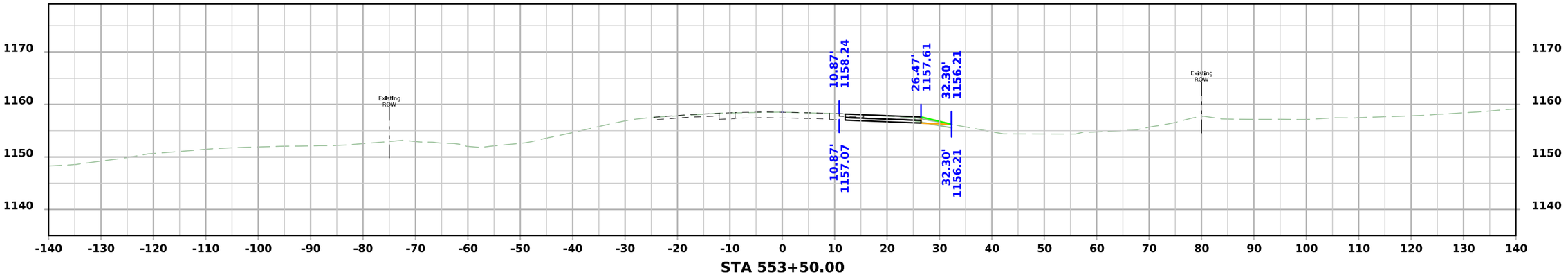


STA 552+25.00

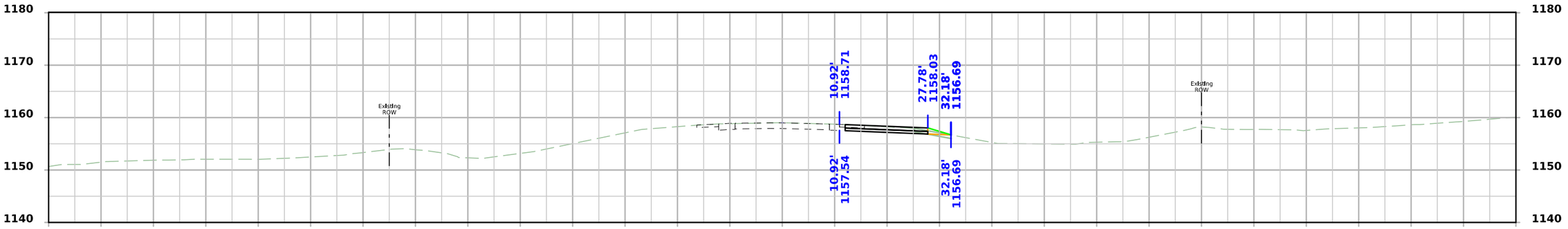
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1071

5:07:31 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

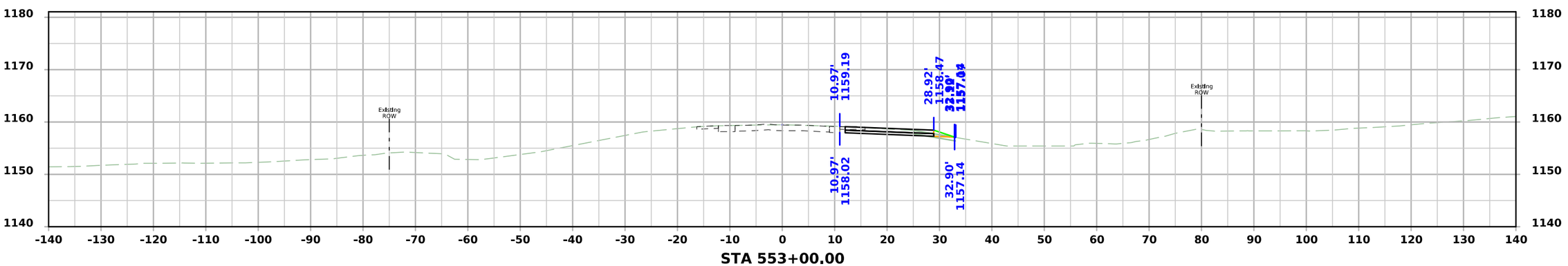
US 59 Stage 1



STA 553+50.00



STA 553+25.00

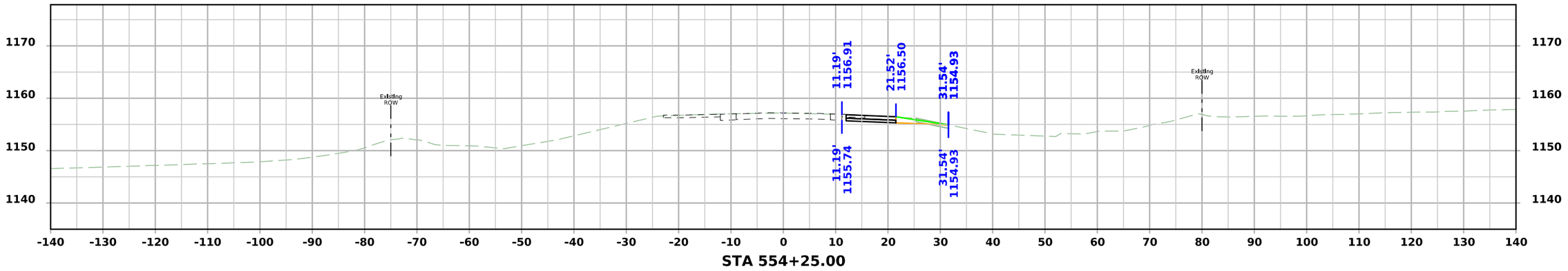


STA 553+00.00

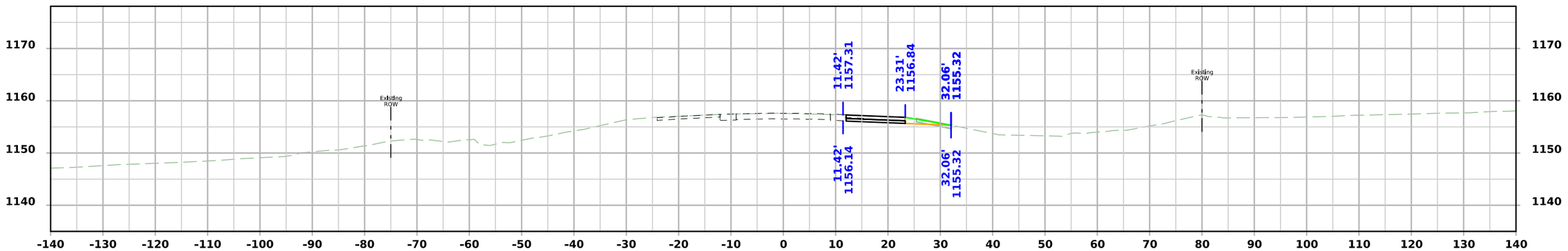
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1072

5:07:33 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

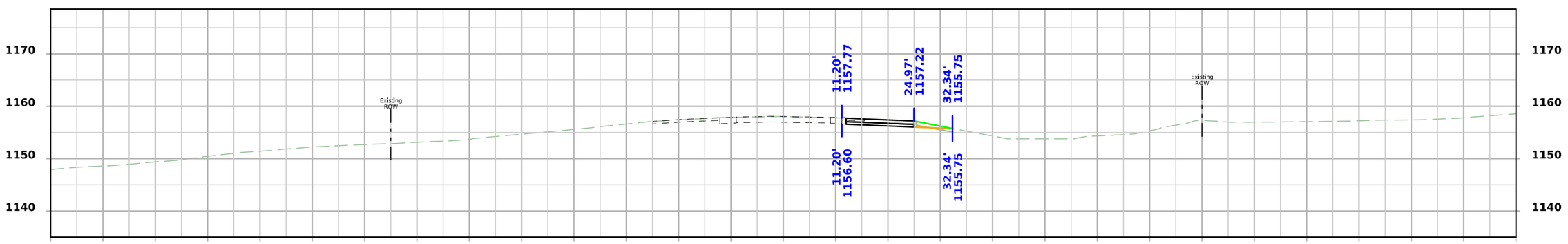
US 59 Stage 1



STA 554+25.00



STA 554+00.00

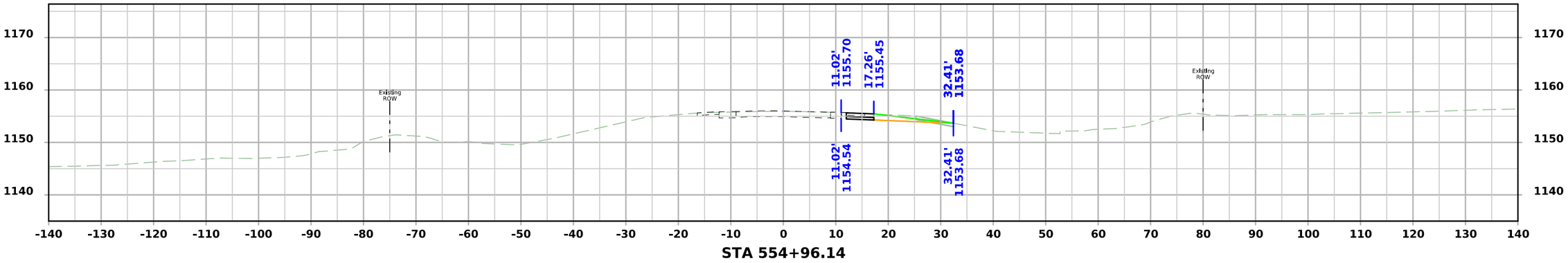


STA 553+75.00

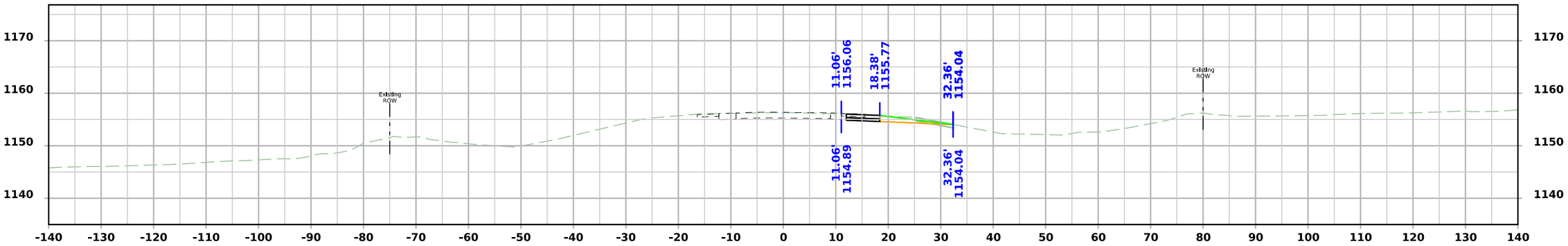
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1073

5:07:35 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

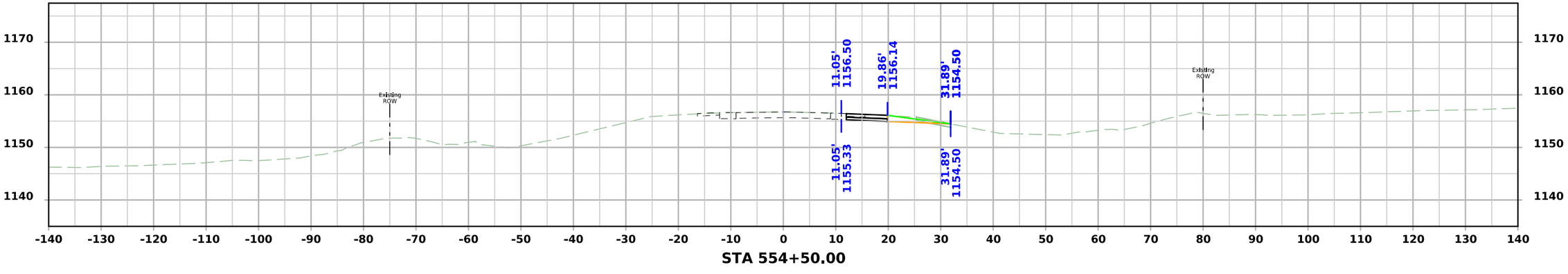
US 59 Stage 1



STA 554+96.14



STA 554+75.00

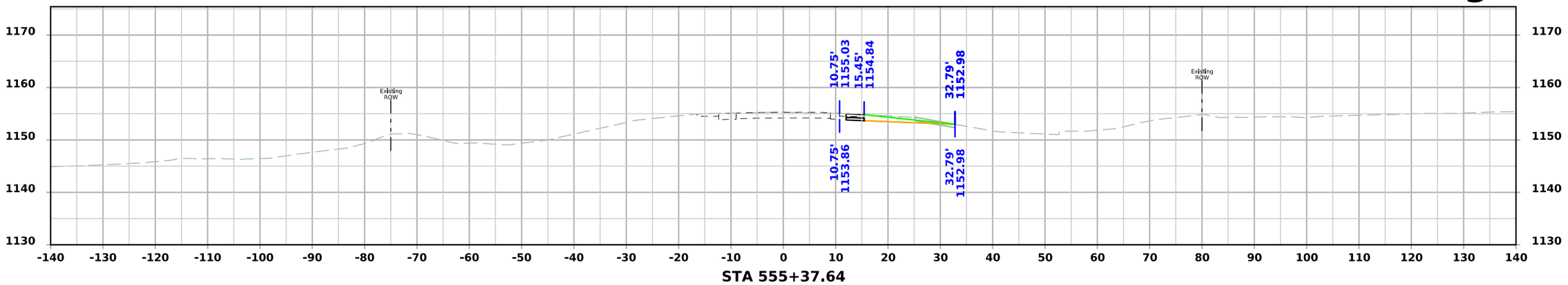


STA 554+50.00

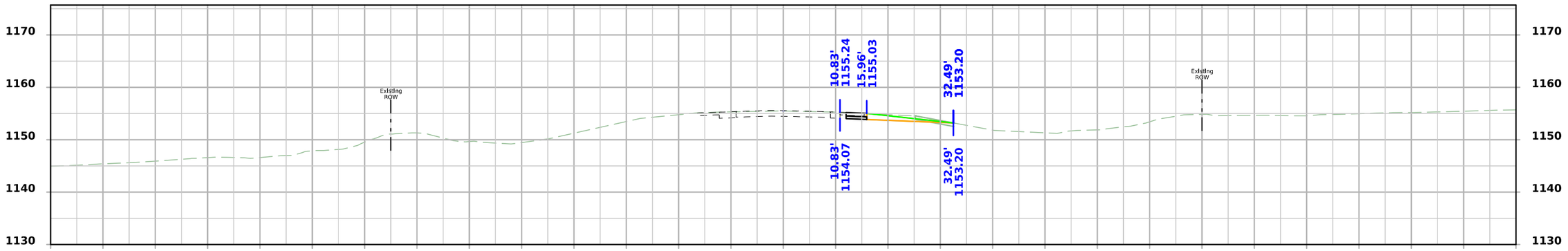
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1074

5:07:37 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

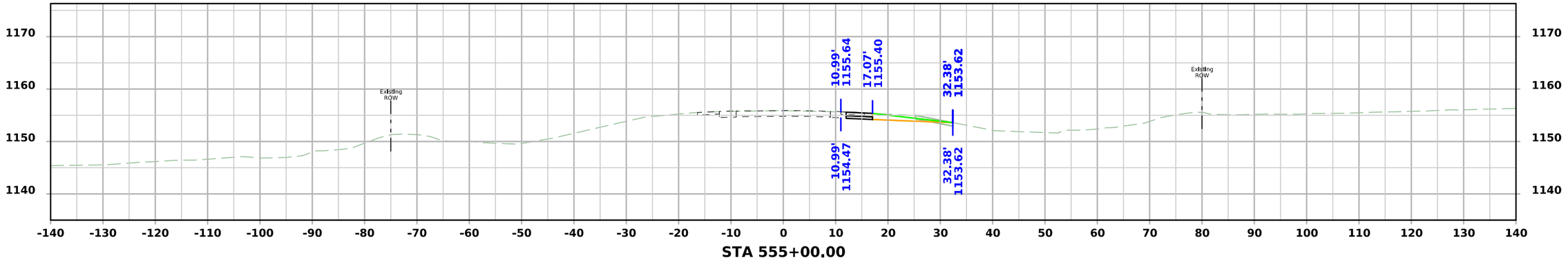
US 59 Stage 1



STA 555+37.64



STA 555+25.00

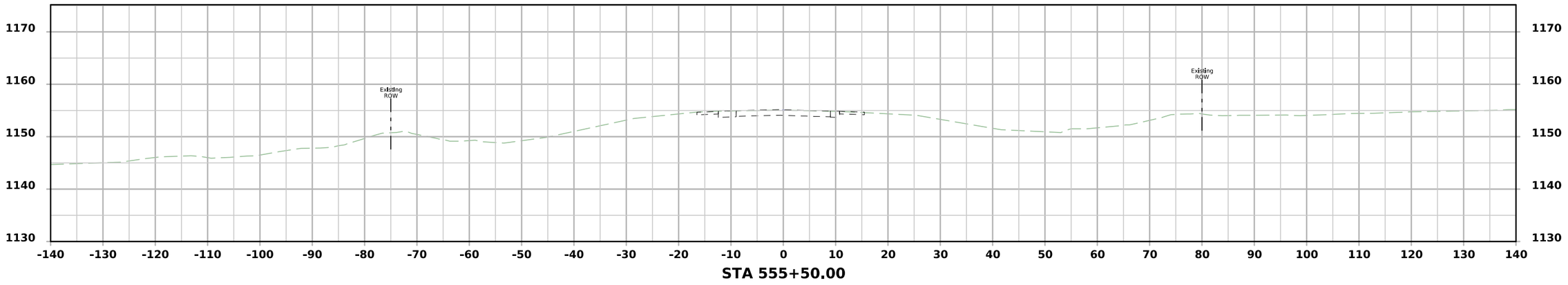


STA 555+00.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1075

5:07:39 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

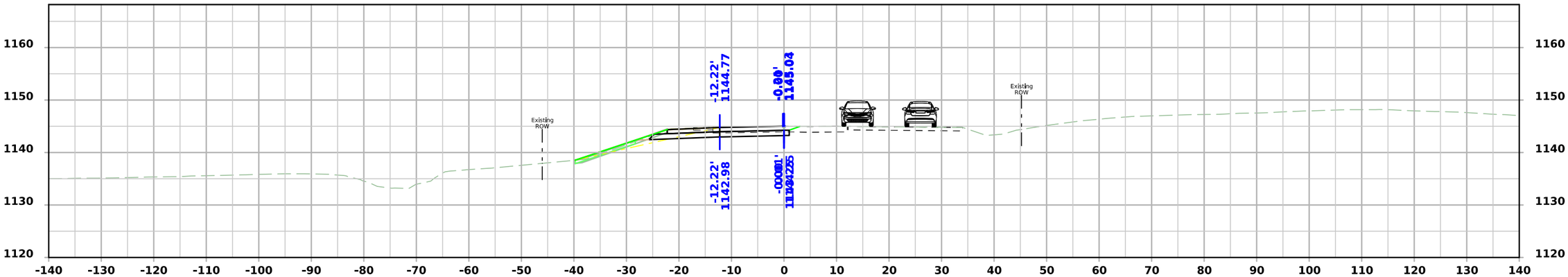
US 59 Stage 1



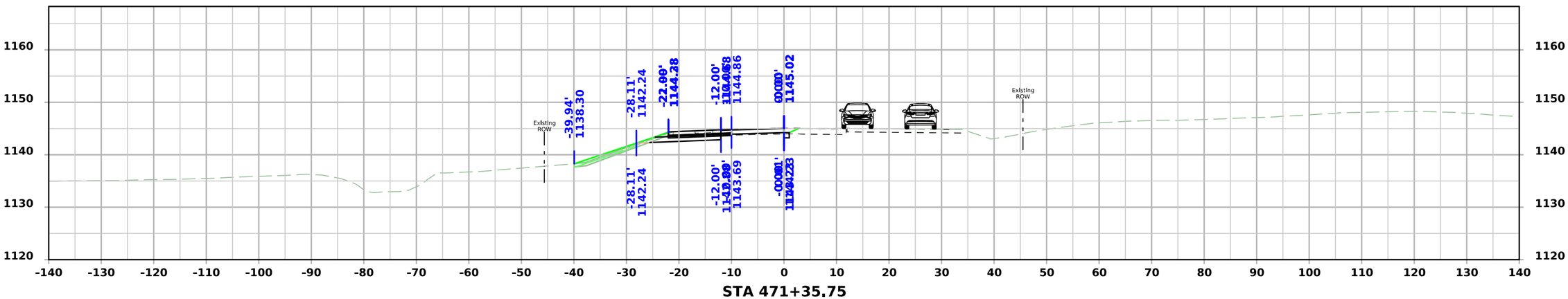
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.1076

5:07:41 PM 8/20/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W1000_78059056Z06.dgn

US 59 Stage 2



STA 471+50.00

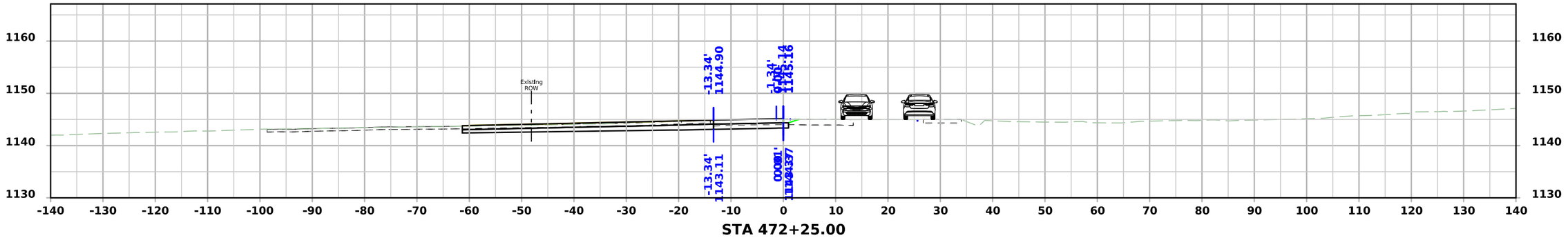


STA 471+35.75

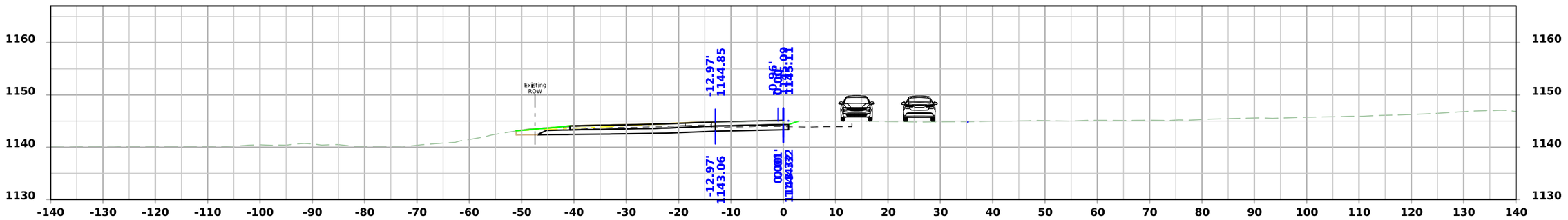
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2000

8:27:44 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_1_78059056Z06.dgn

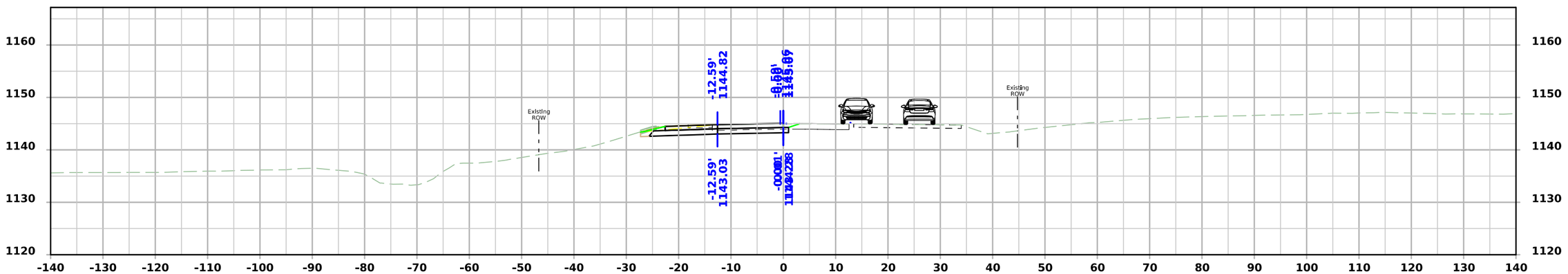
US 59 Stage 2



STA 472+25.00



STA 472+00.00

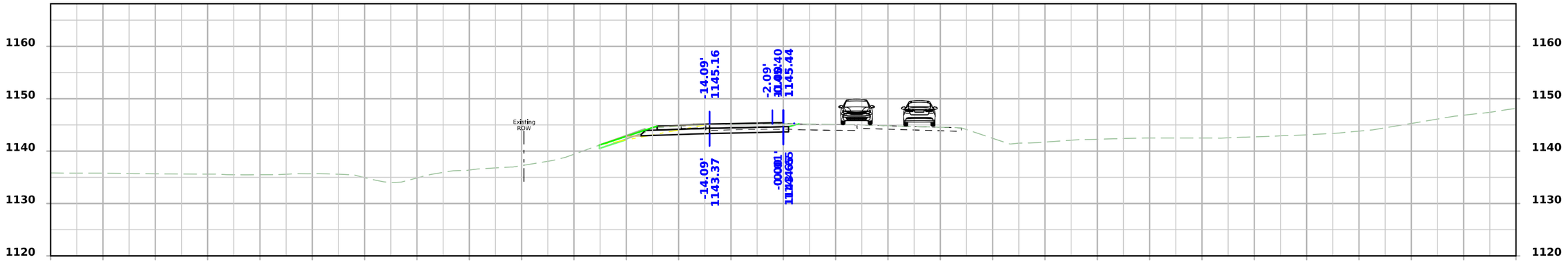


STA 471+75.00

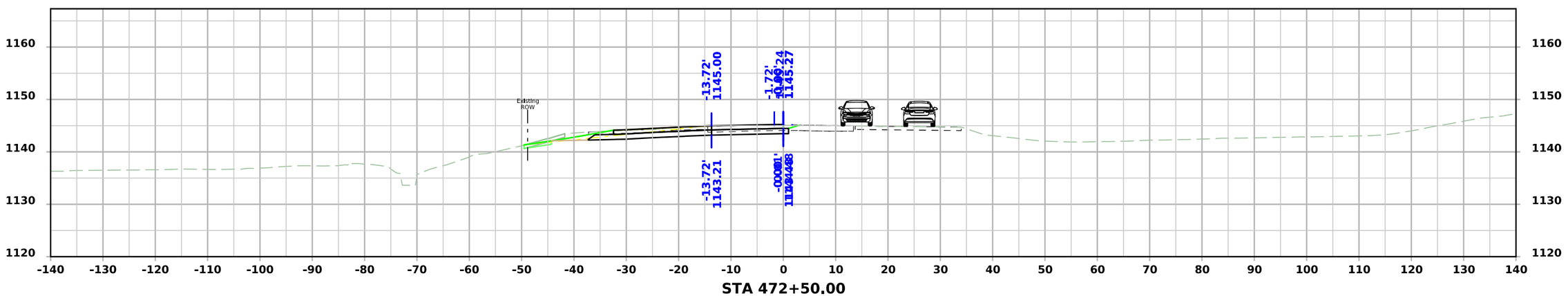
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2001

8:27:47 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_1_78059056Z06.dgn

US 59 Stage 2



STA 472+75.00

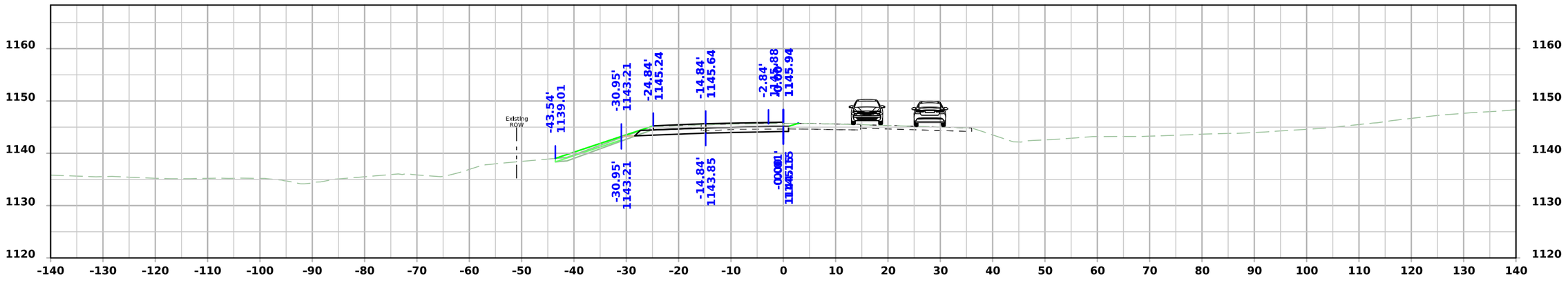


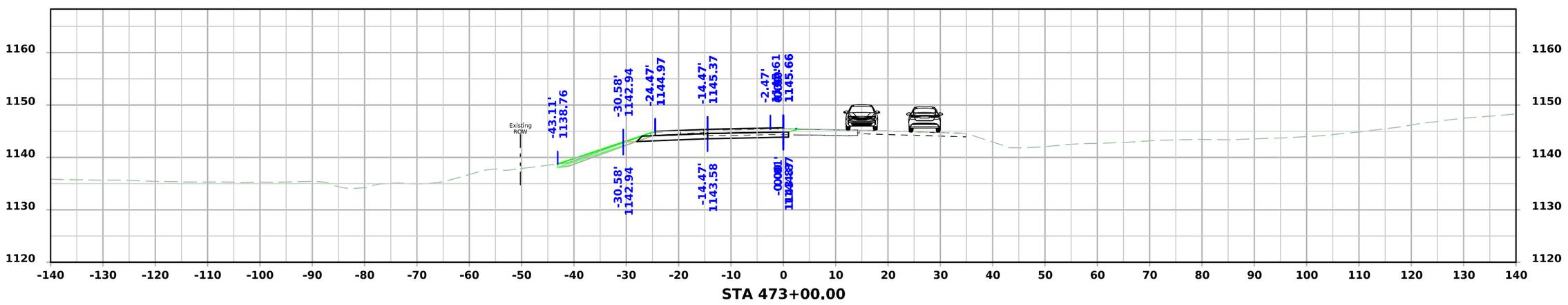
STA 472+50.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2002

8:27:50 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_1_78059056Z06.dgn

US 59 Stage 2

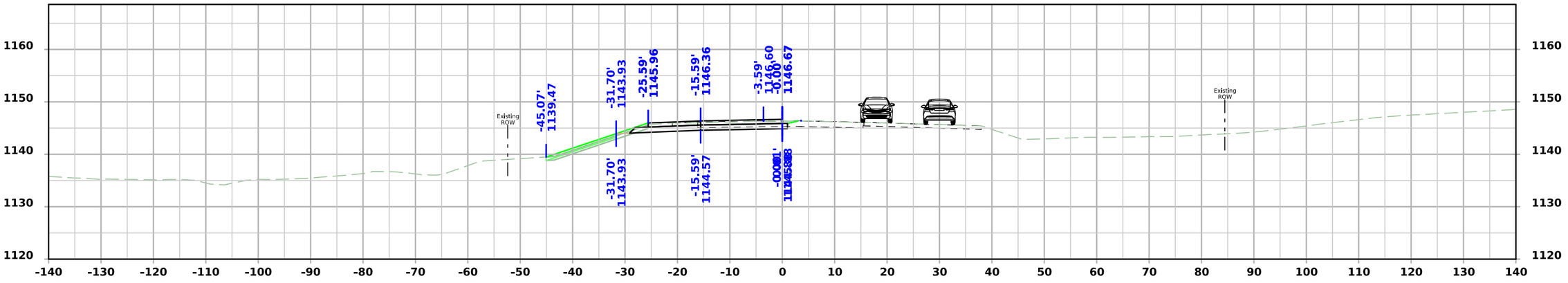




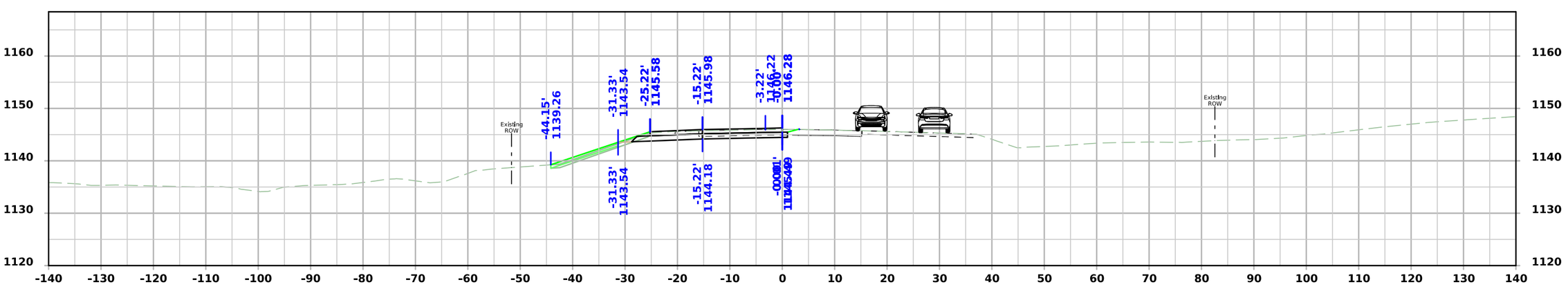
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2003

8:27:52 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_1_78059056Z06.dgn

US 59 Stage 2



STA 473+75.00

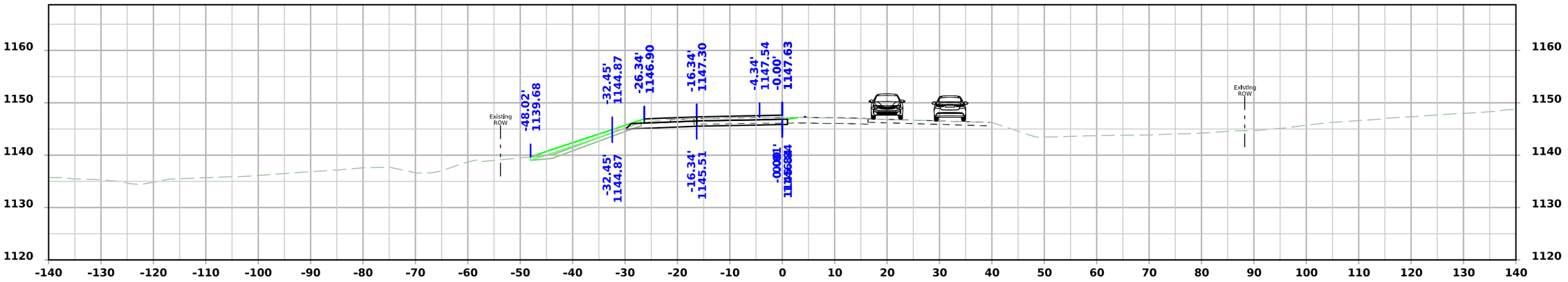


STA 473+50.00

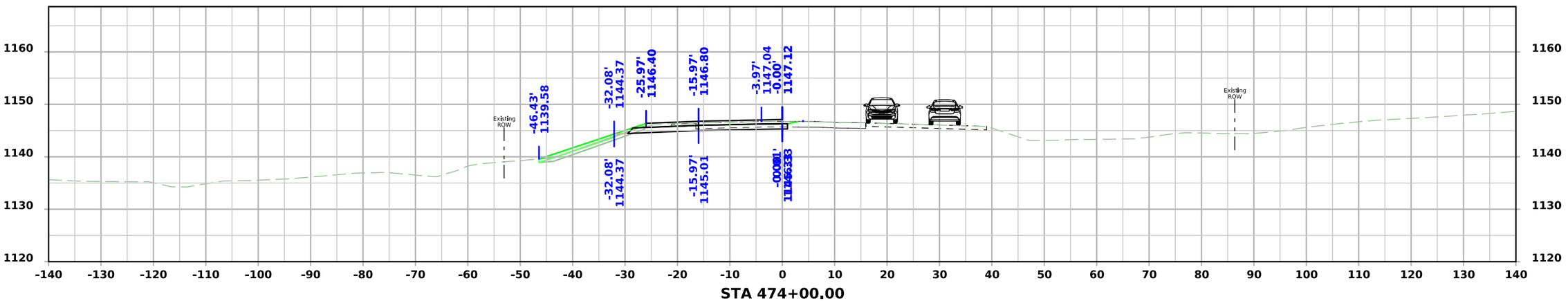
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2004

8:27:55 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_1_78059056Z06.dgn

US 59 Stage 2



STA 474+25.00

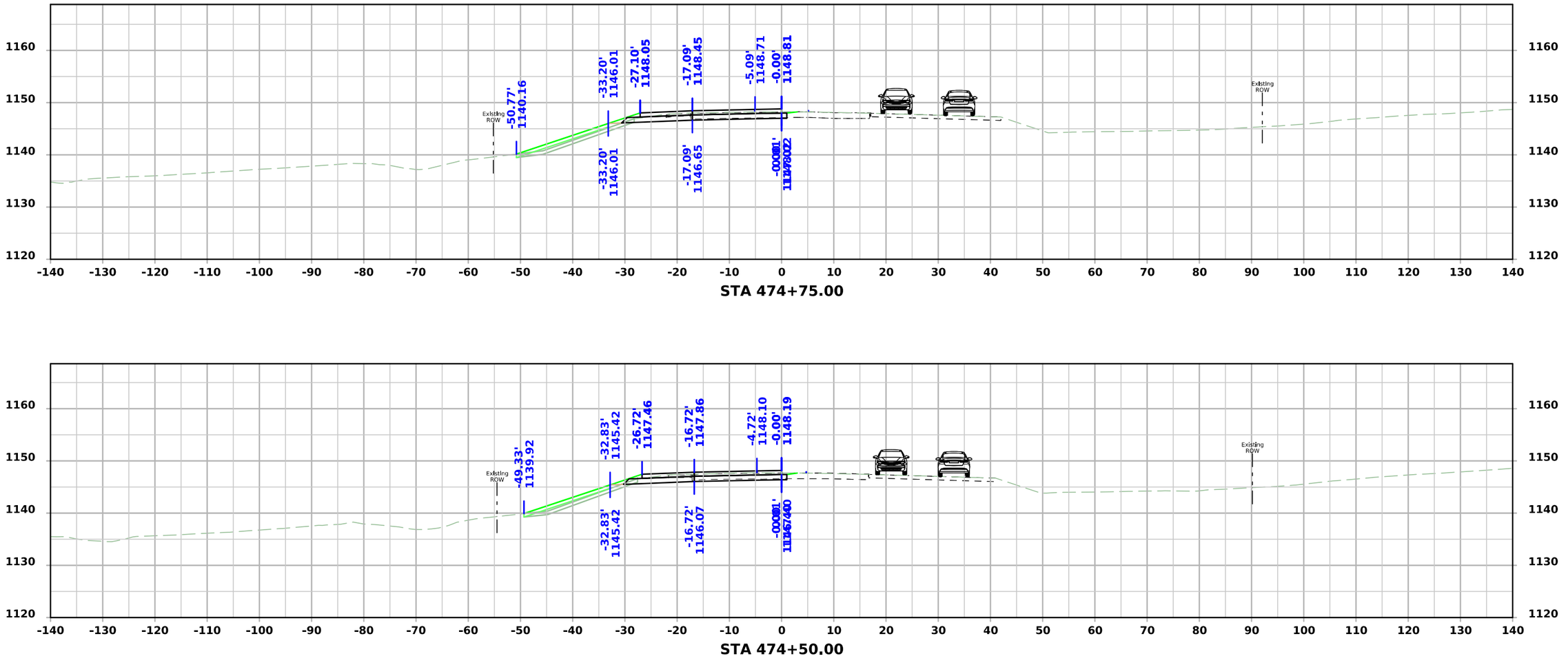


STA 474+00.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2005

8:27:57 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_1_78059056Z06.dgn

US 59 Stage 2



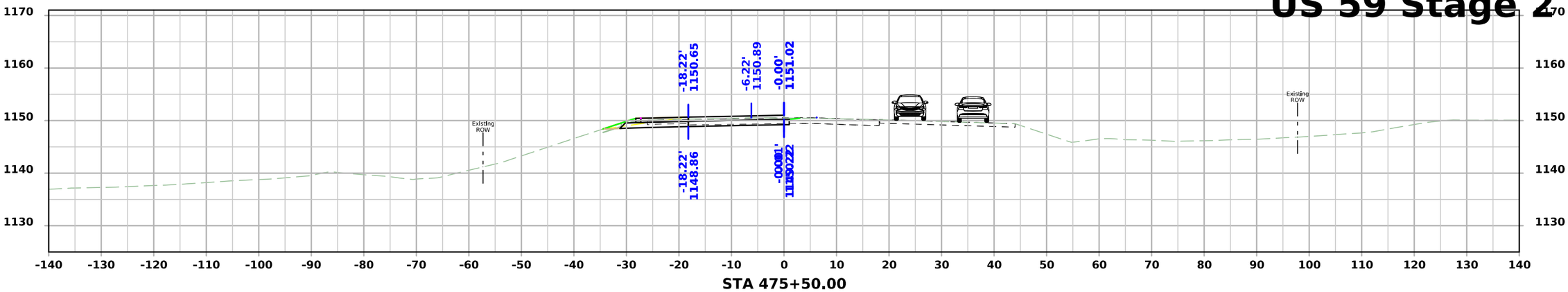
STA 474+75.00

STA 474+50.00

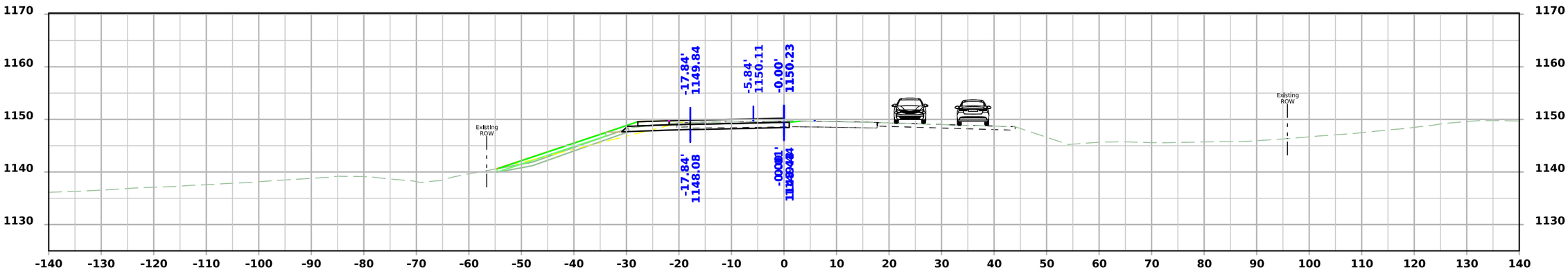
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2006

8:28:00 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_1_78059056Z06.dgn

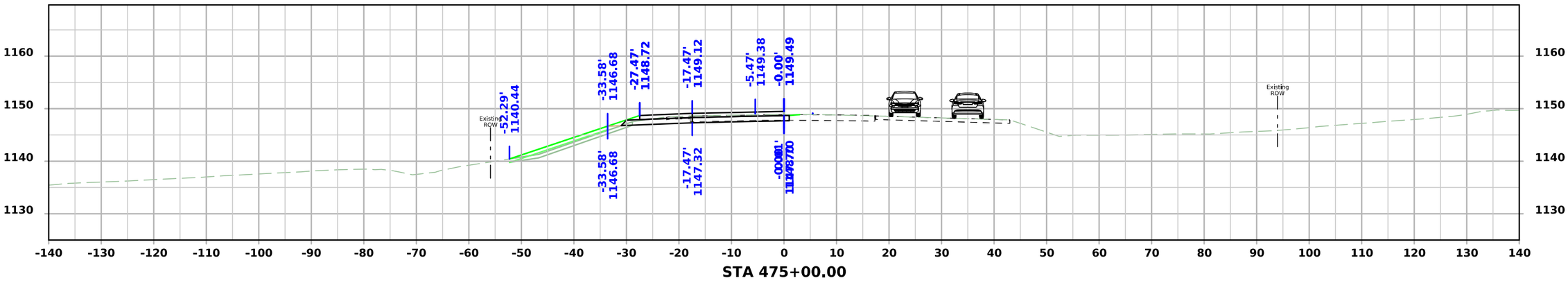
US 59 Stage 2



STA 475+50.00



STA 475+25.00

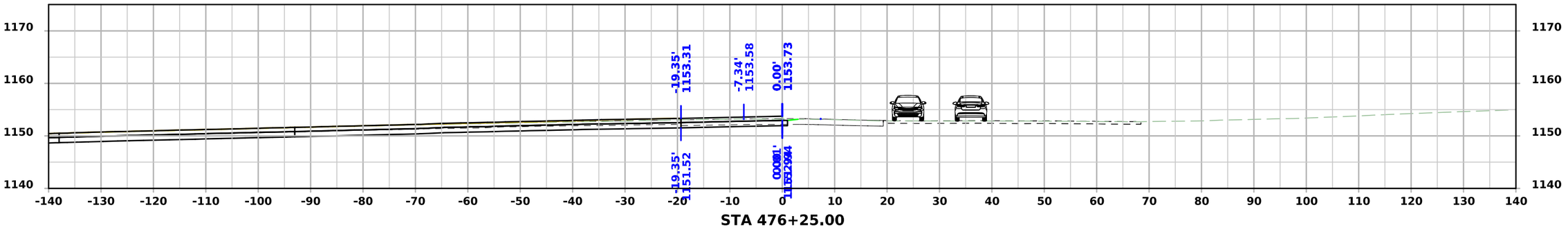


STA 475+00.00

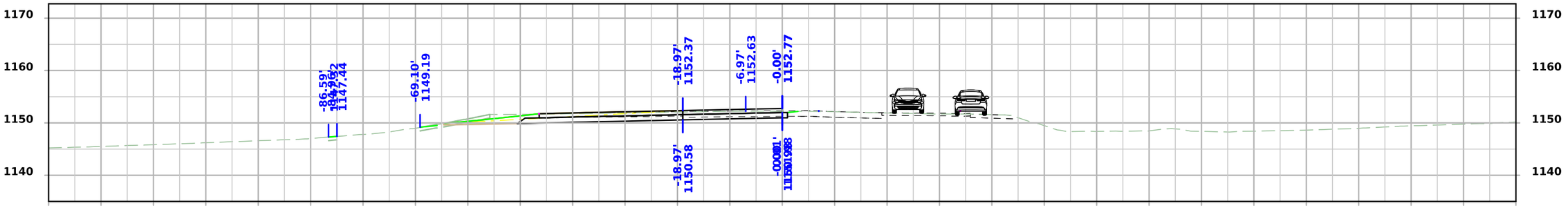
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2007

8:28:03 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_1_78059056Z06.dgn

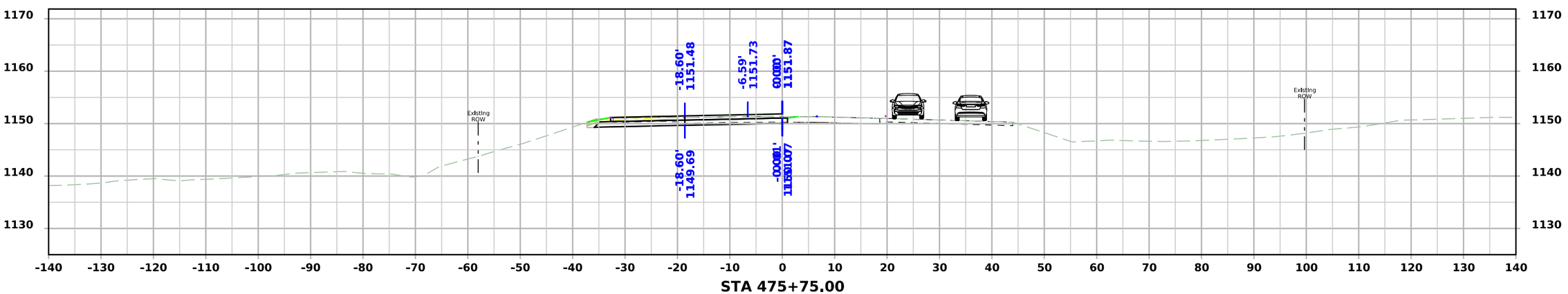
US 59 Stage 2



STA 476+25.00



STA 476+00.00

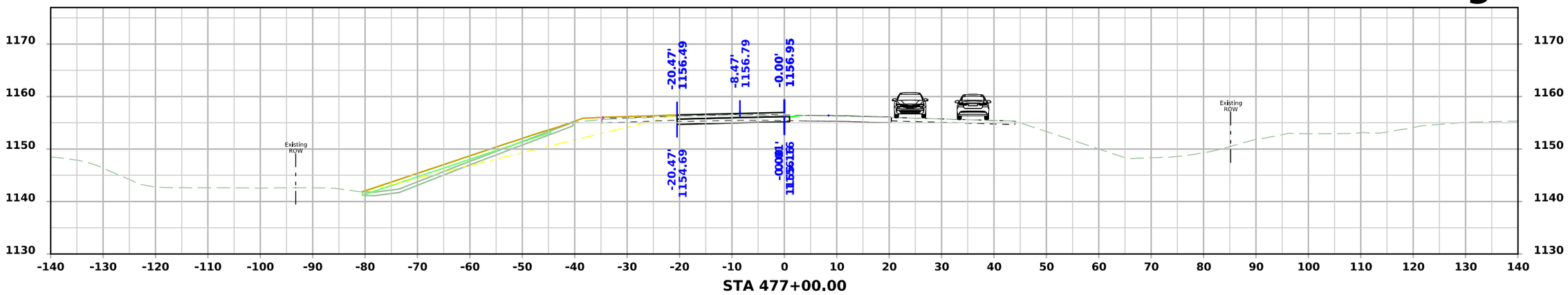


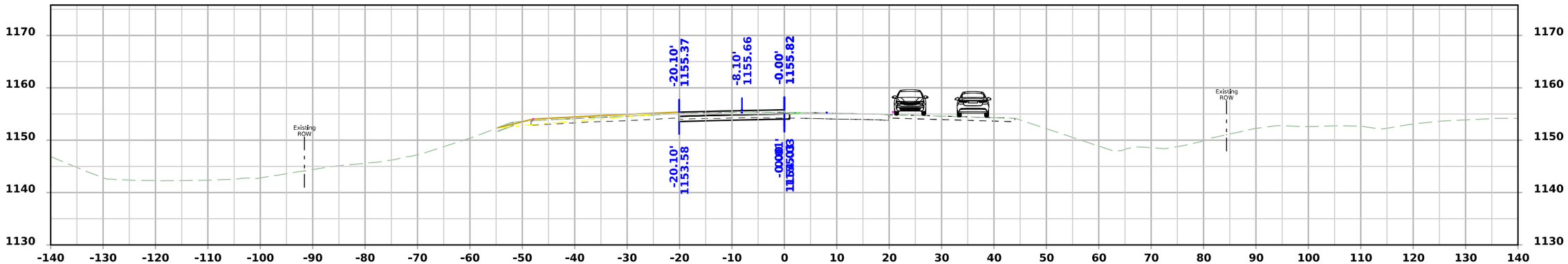
STA 475+75.00

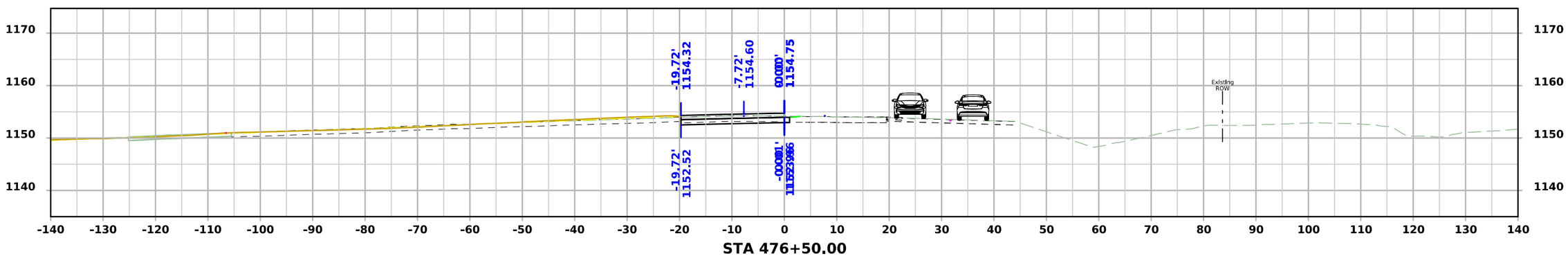
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2008

8:28:06 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_1_78059056Z06.dgn

US 59 Stage 2



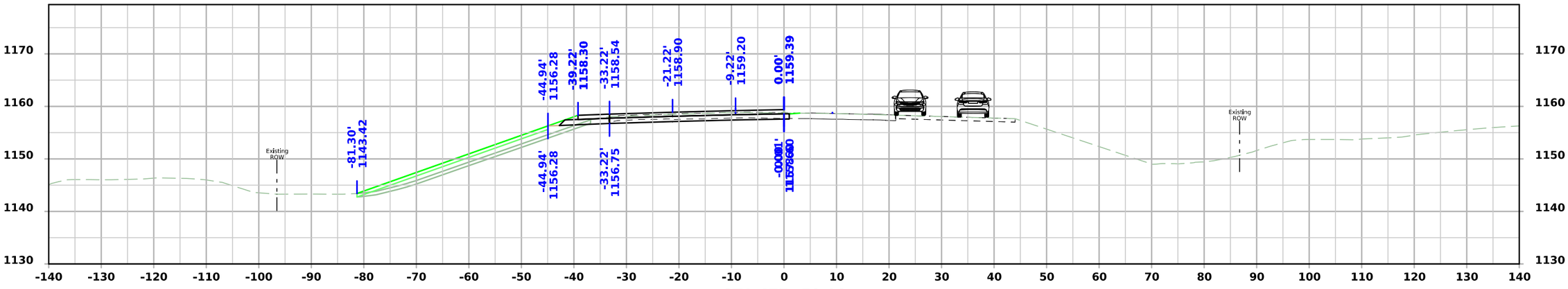




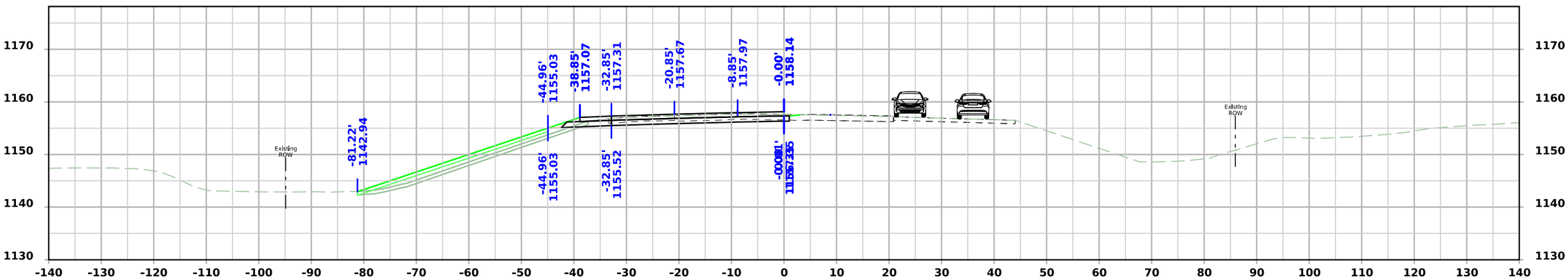
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2009

8:28:11 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_1_78059056Z06.dgn

US 59 Stage 2



STA 477+50.00

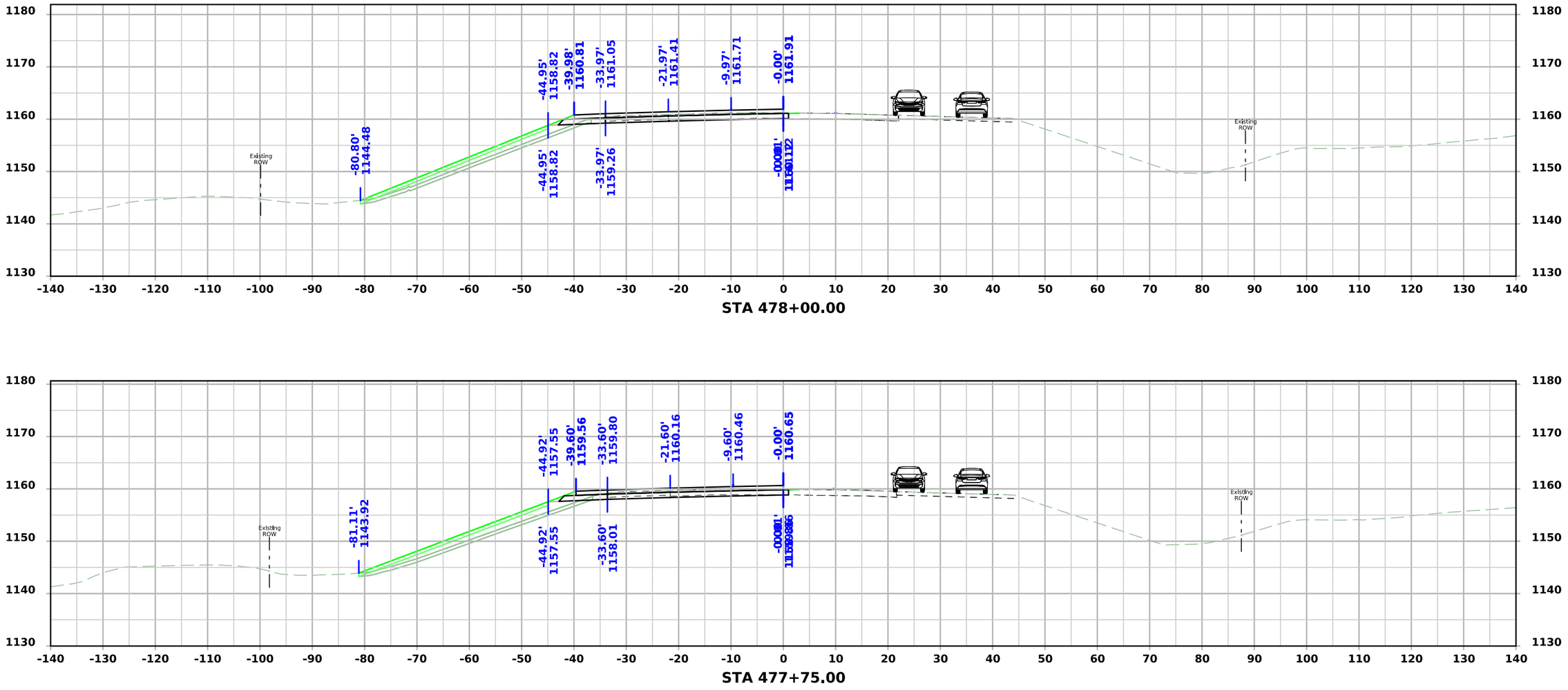


STA 477+25.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2010

8:28:13 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_1_78059056Z06.dgn

US 59 Stage 2



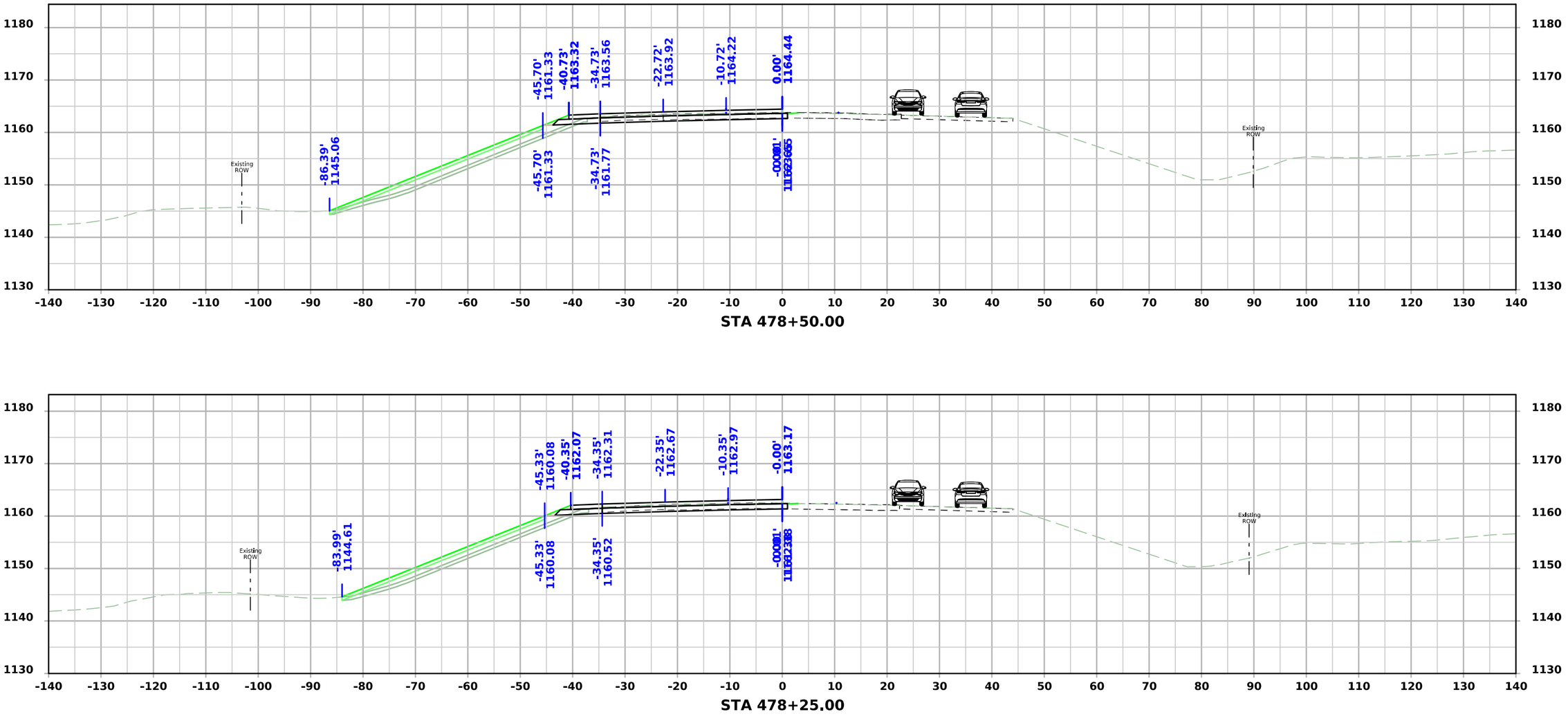
STA 478+00.00

STA 477+75.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2011

8:28:16 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_1_78059056Z06.dgn

US 59 Stage 2



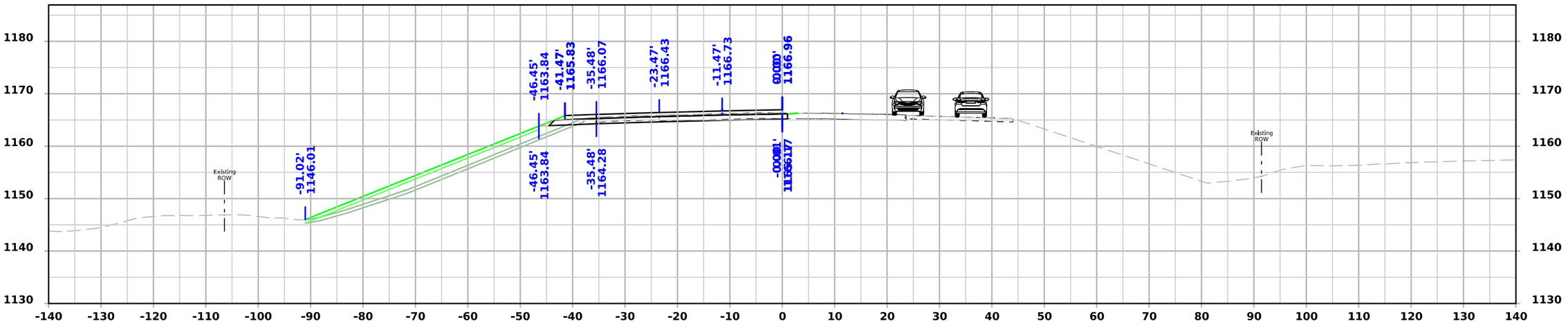
STA 478+50.00

STA 478+25.00

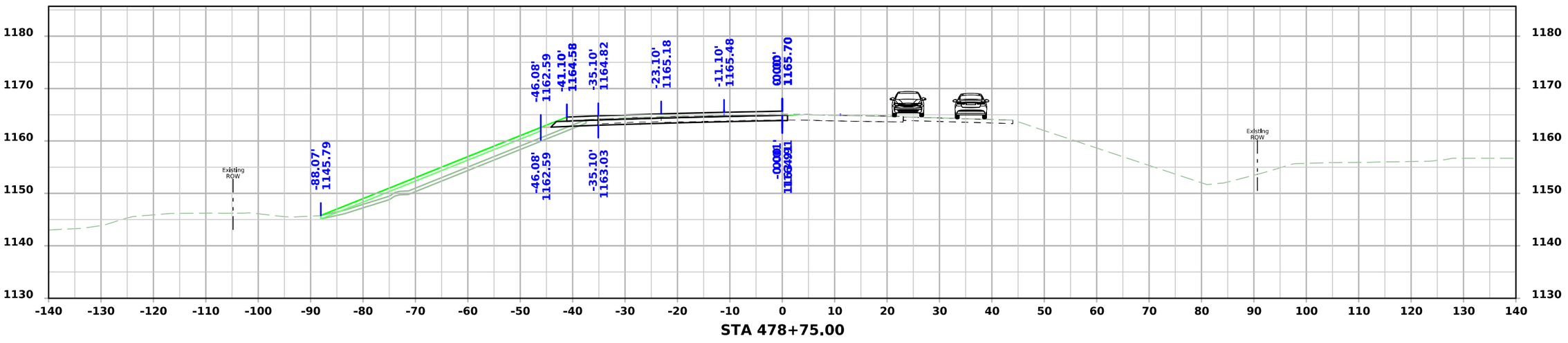
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2012

8:28:18 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_1_78059056Z06.dgn

US 59 Stage 2



STA 479+00.00

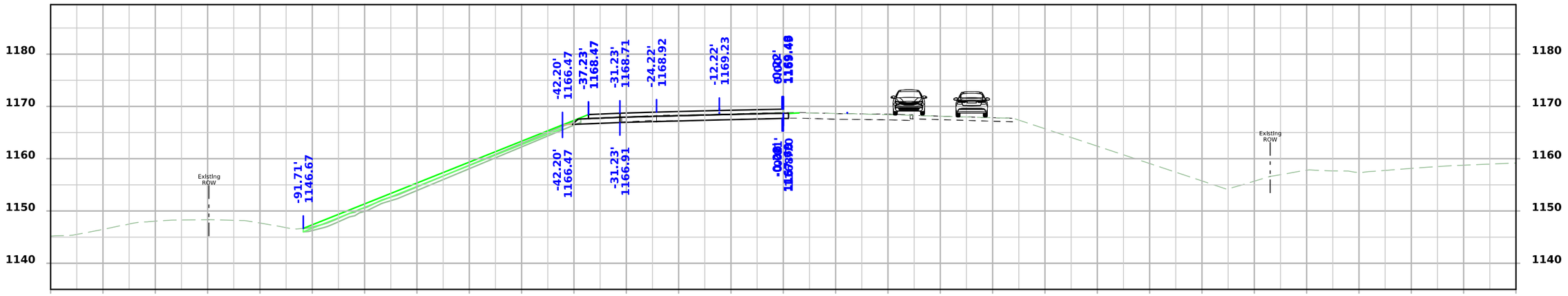


STA 478+75.00

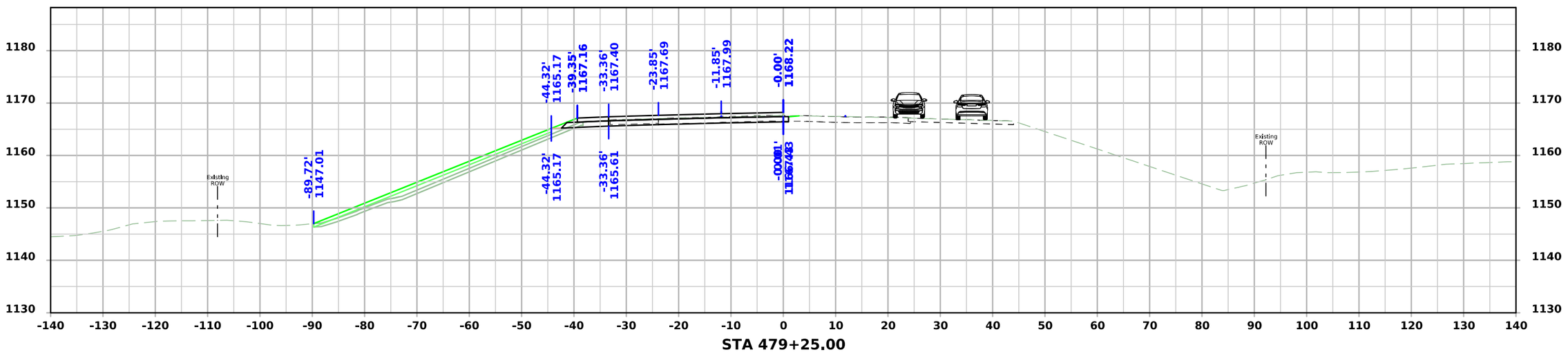
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2013

8:28:20 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_1_78059056Z06.dgn

US 59 Stage 2



STA 479+50.00

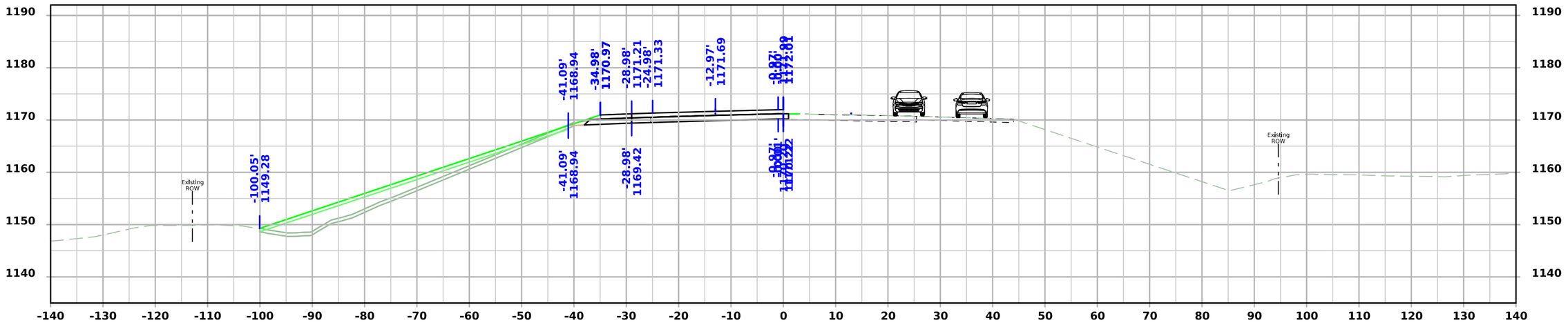


STA 479+25.00

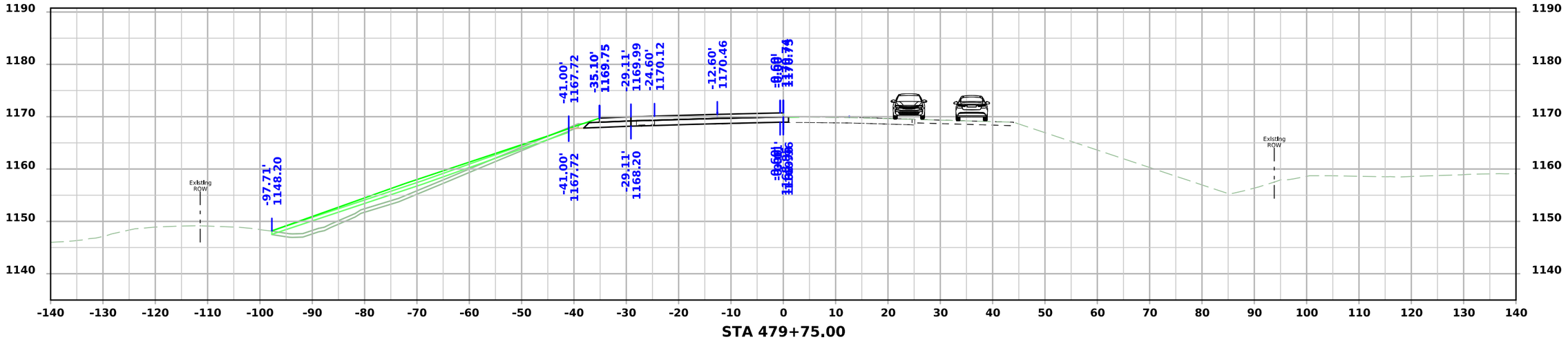
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2014

8:28:23 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_1_78059056Z06.dgn

US 59 Stage 2



STA 480+00.00

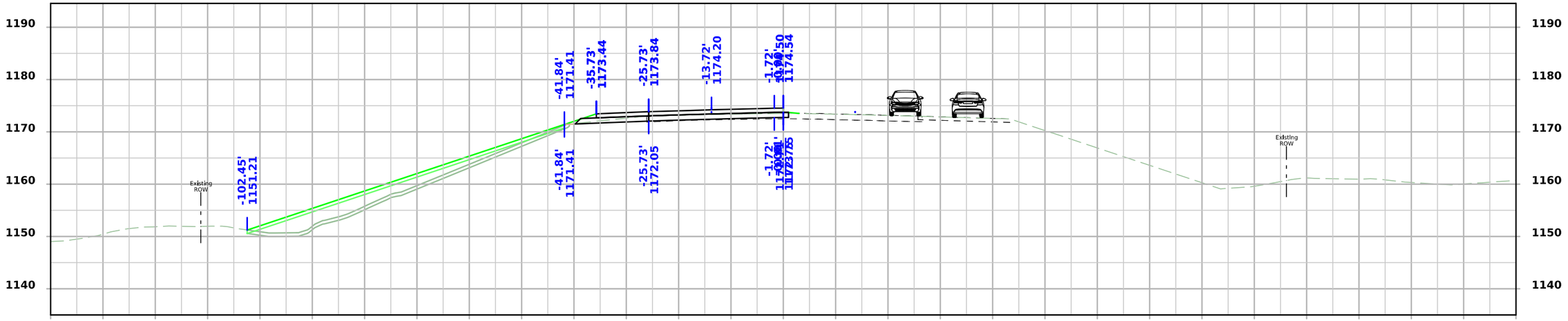


STA 479+75.00

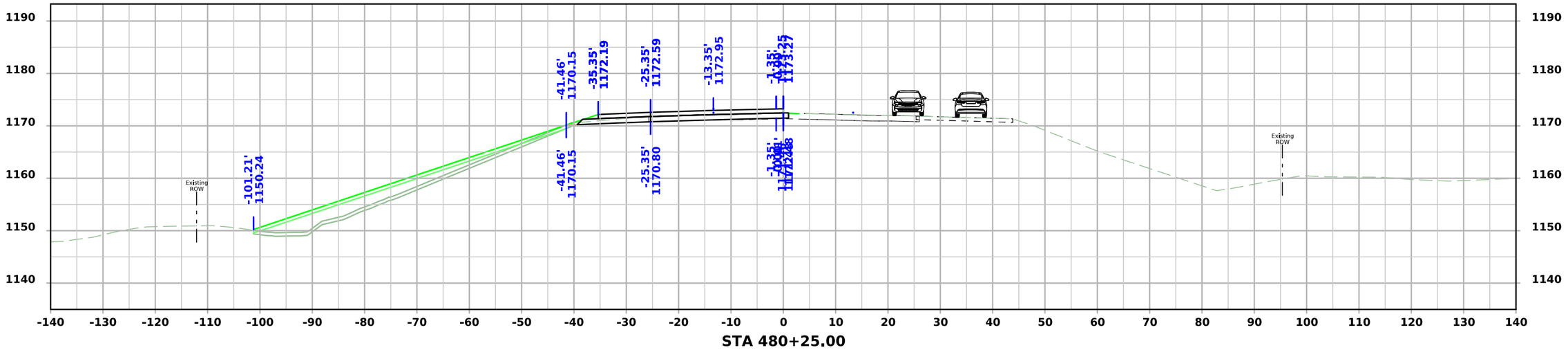
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2015

8:28:25 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_1_78059056Z06.dgn

US 59 Stage 2



STA 480+50.00

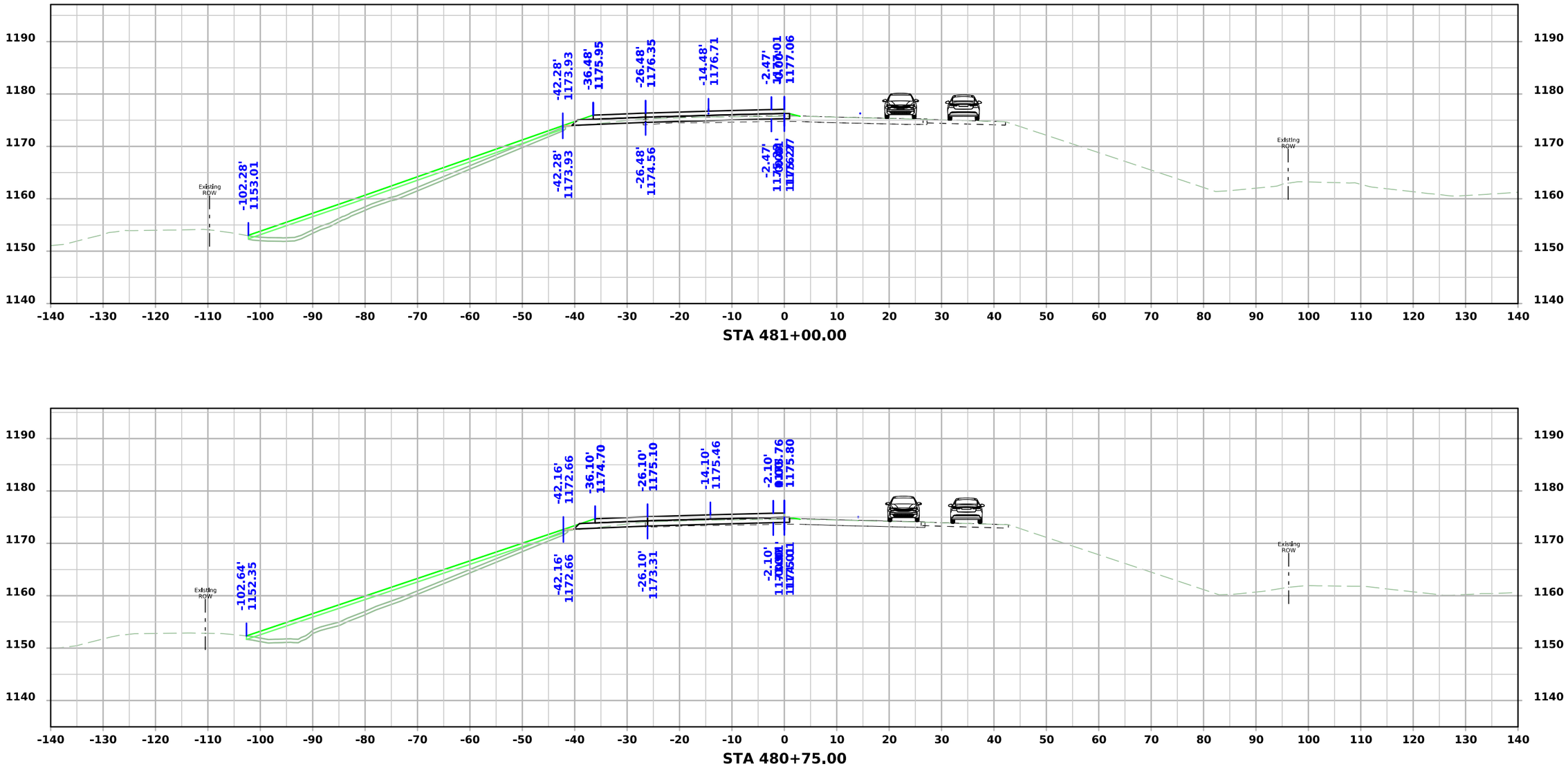


STA 480+25.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2016

8:28:27 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_1_78059056Z06.dgn

US 59 Stage 2



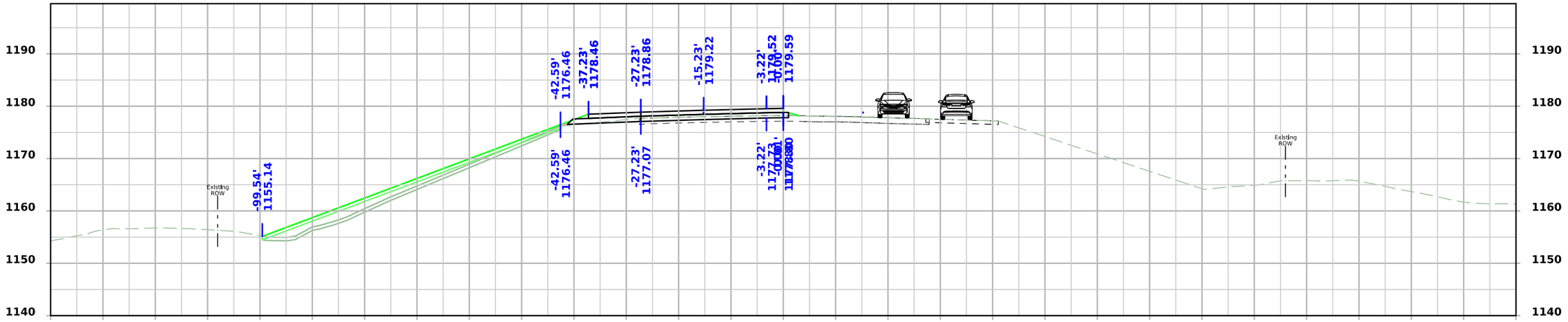
STA 481+00.00

STA 480+75.00

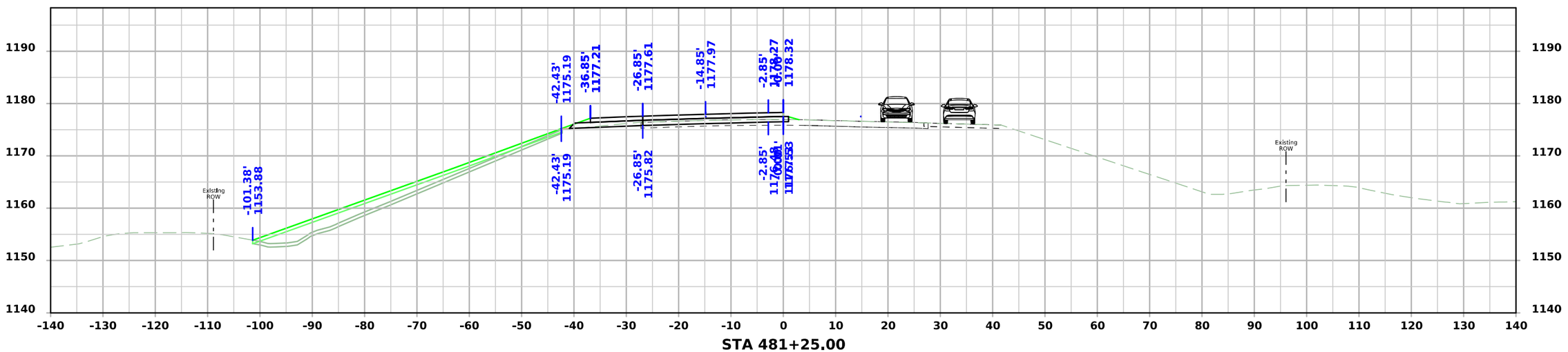
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2017

8:28:30 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_1_78059056Z06.dgn

US 59 Stage 2



STA 481+50.00

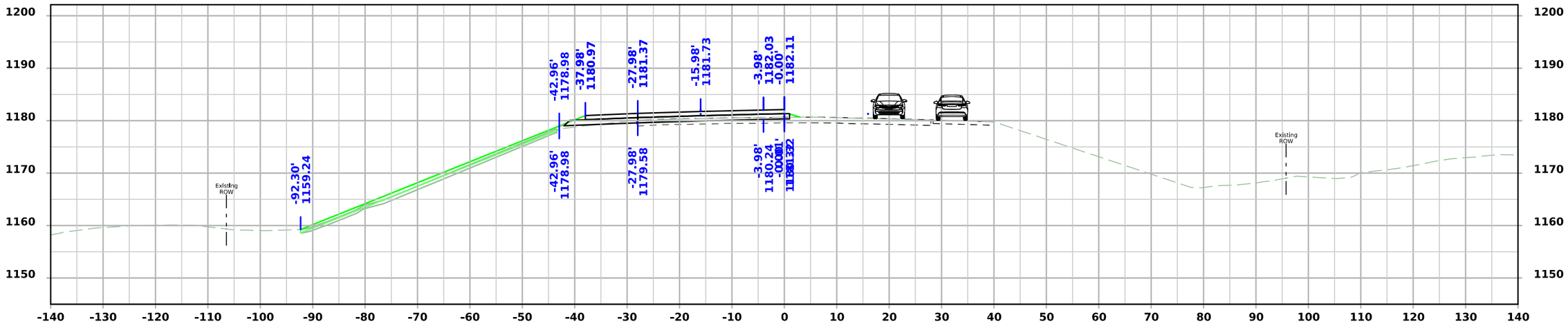


STA 481+25.00

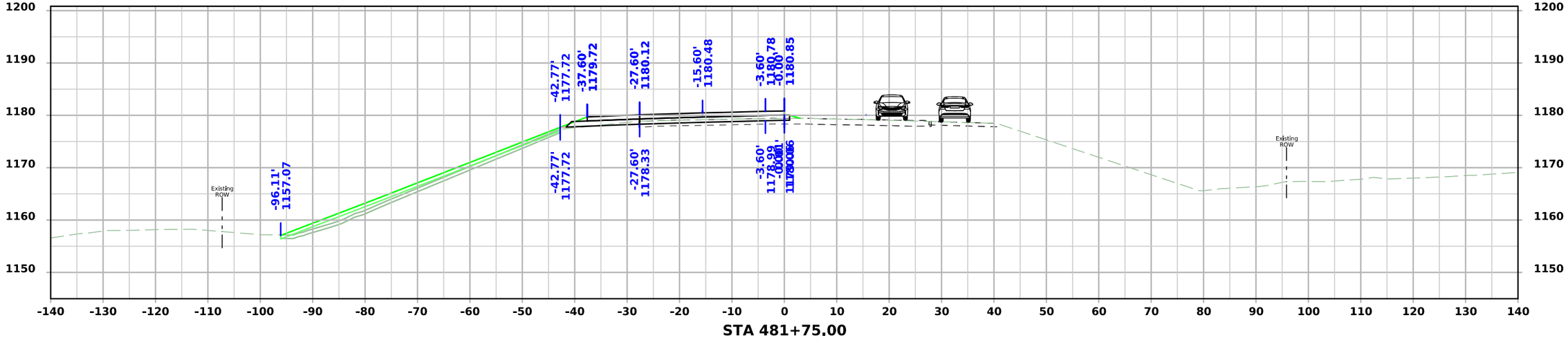
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2018

8:28:32 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_1_78059056Z06.dgn

US 59 Stage 2



STA 482+00.00

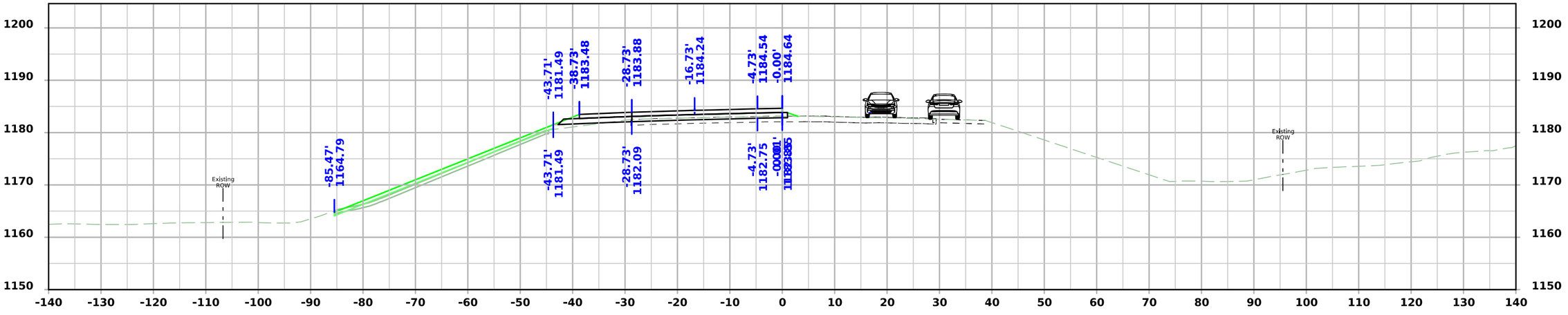


STA 481+75.00

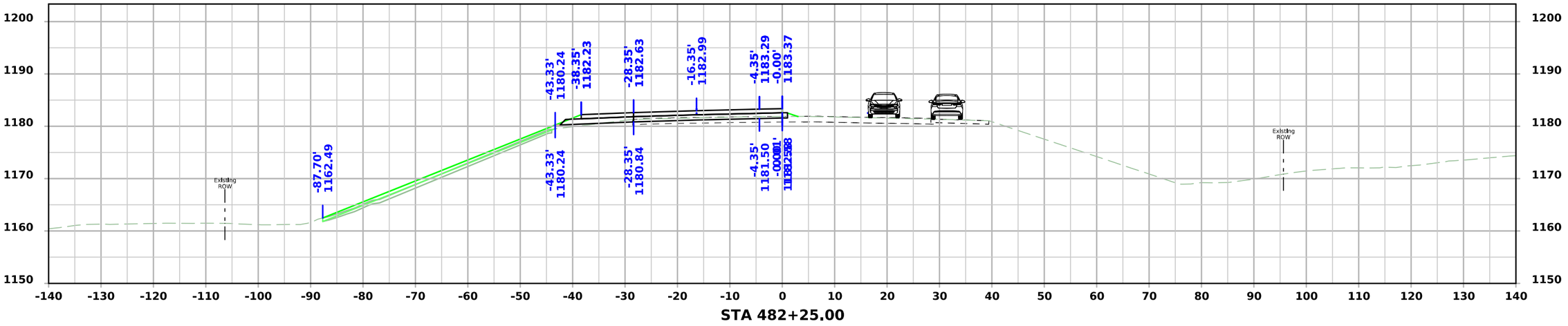
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2019

8:28:35 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_1_78059056Z06.dgn

US 59 Stage 2



STA 482+50.00

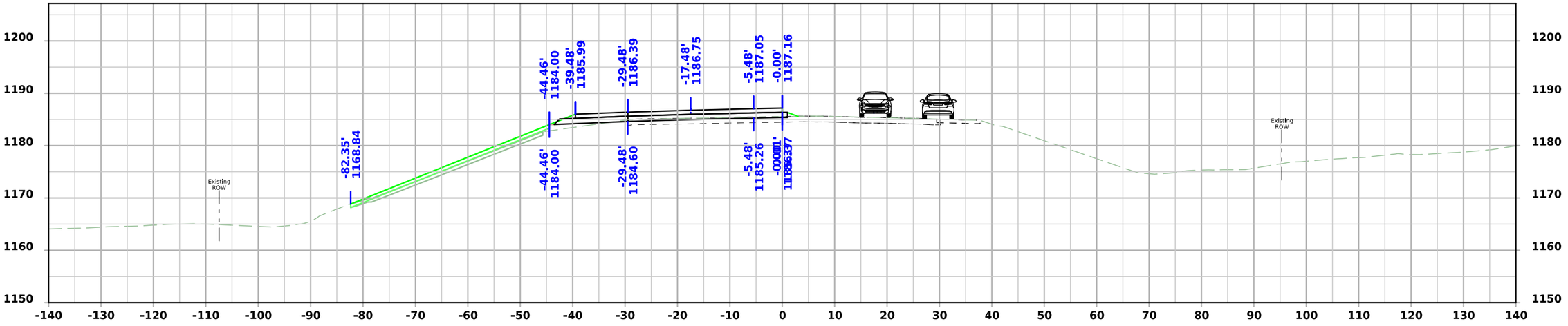


STA 482+25.00

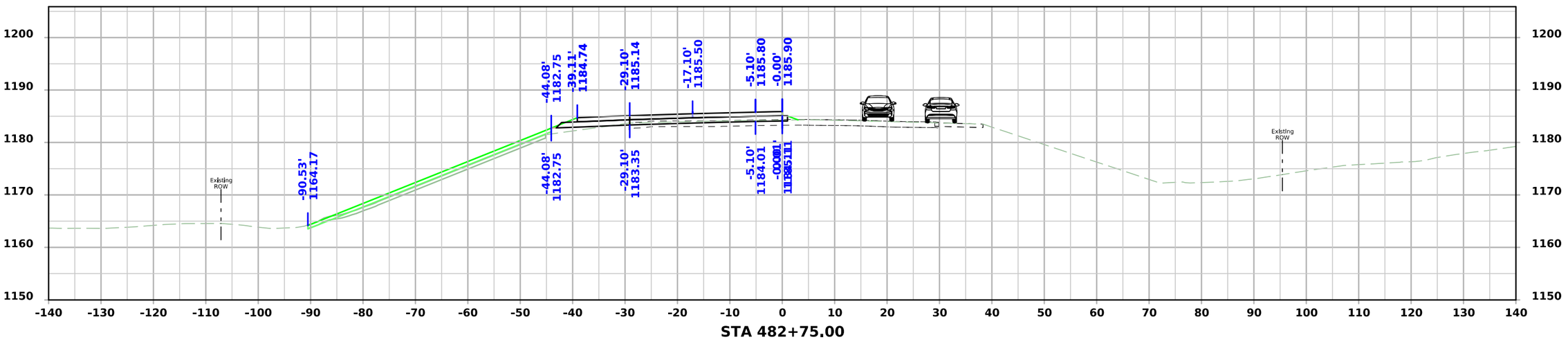
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2020

8:28:37 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_1_78059056Z06.dgn

US 59 Stage 2



STA 483+00.00

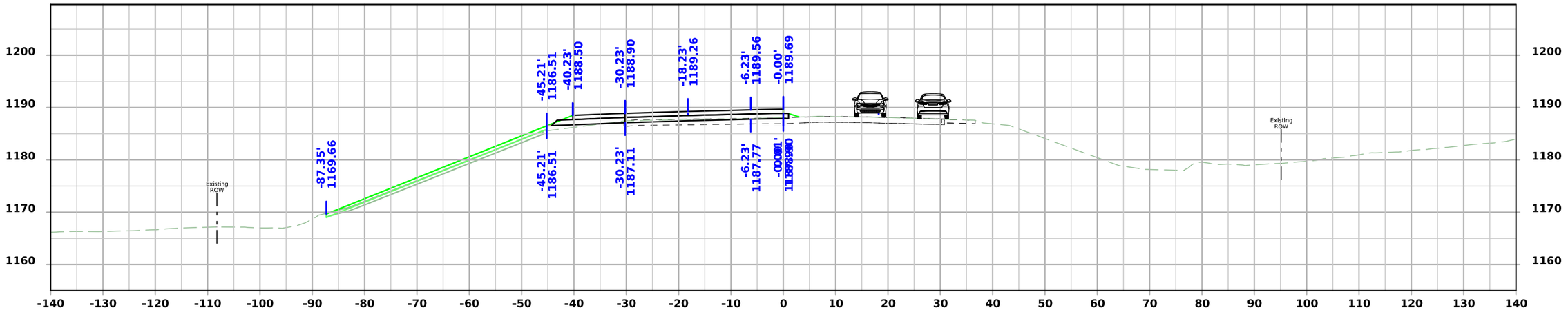


STA 482+75.00

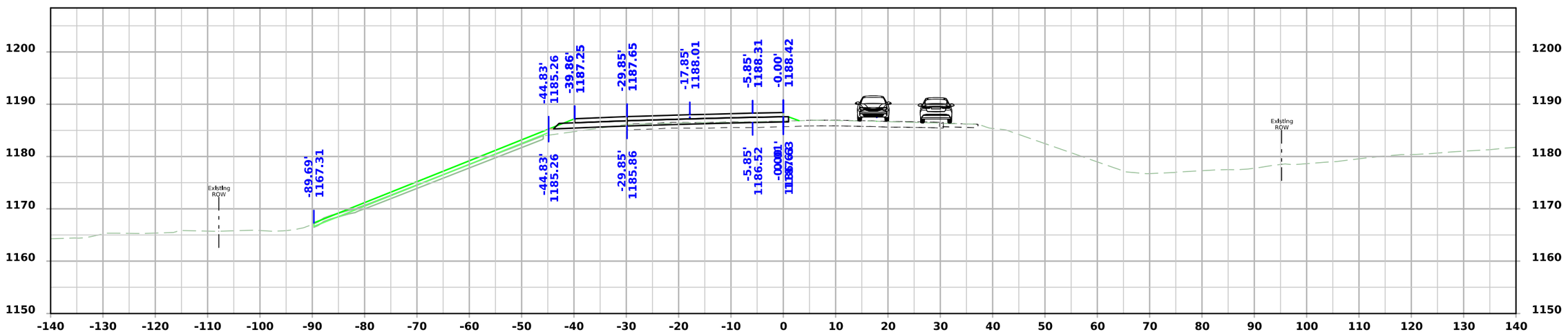
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2021

8:28:39 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_1_78059056Z06.dgn

US 59 Stage 2



STA 483+50.00

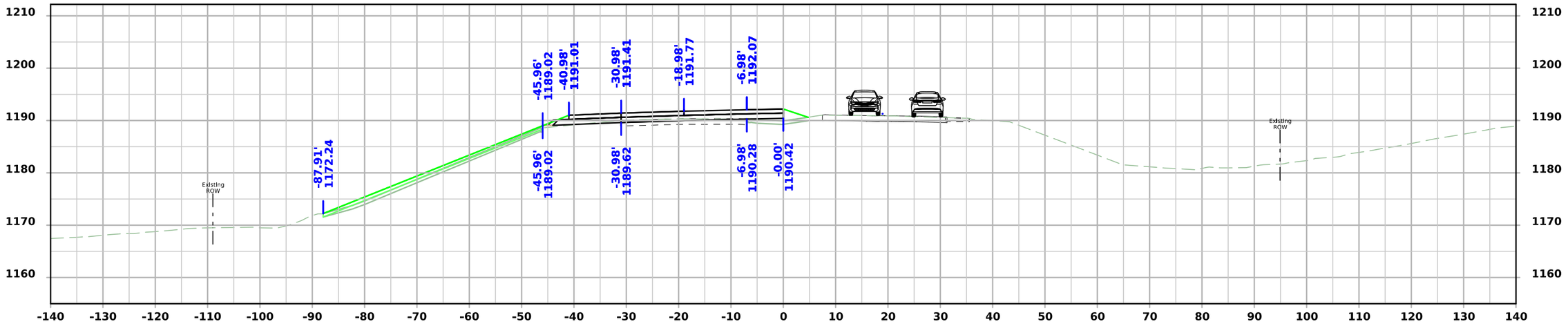


STA 483+25.00

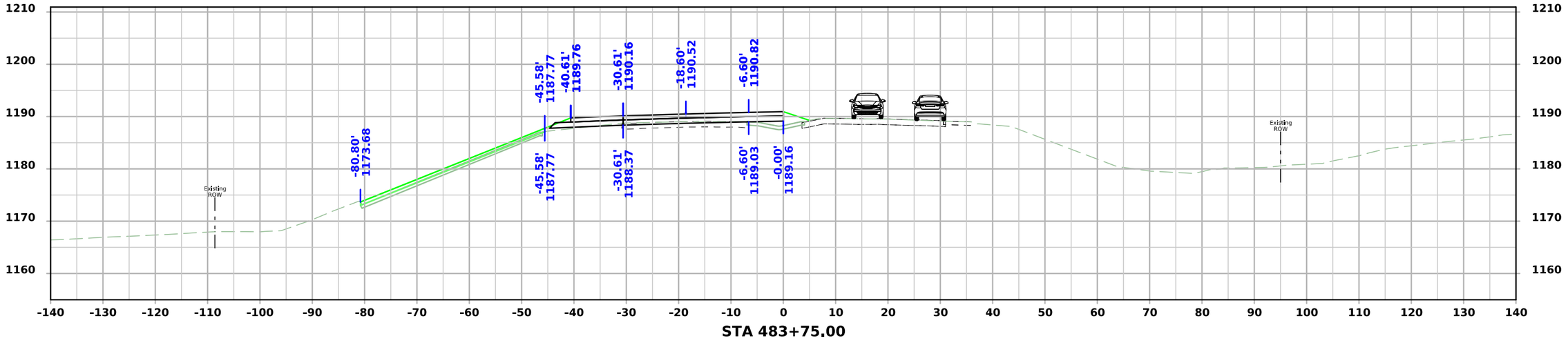
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2022

8:28:42 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_1_78059056Z06.dgn

US 59 Stage 2



STA 484+00.00

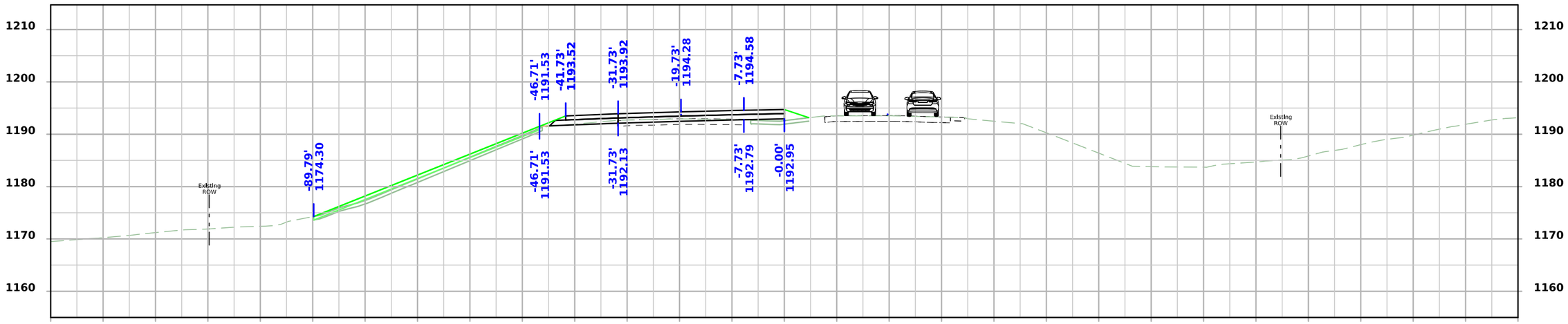


STA 483+75.00

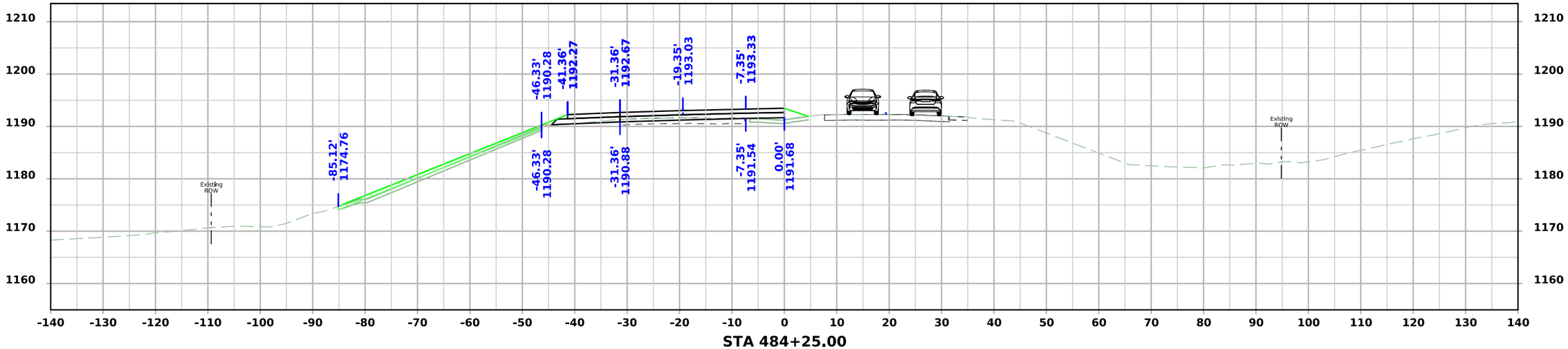
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2023

8:28:44 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_1_78059056Z06.dgn

US 59 Stage 2



STA 484+50.00

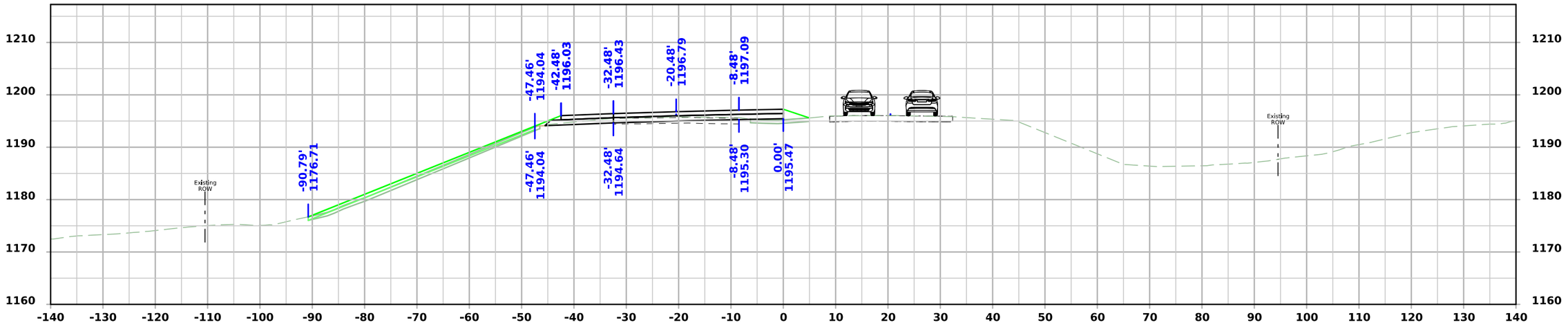


STA 484+25.00

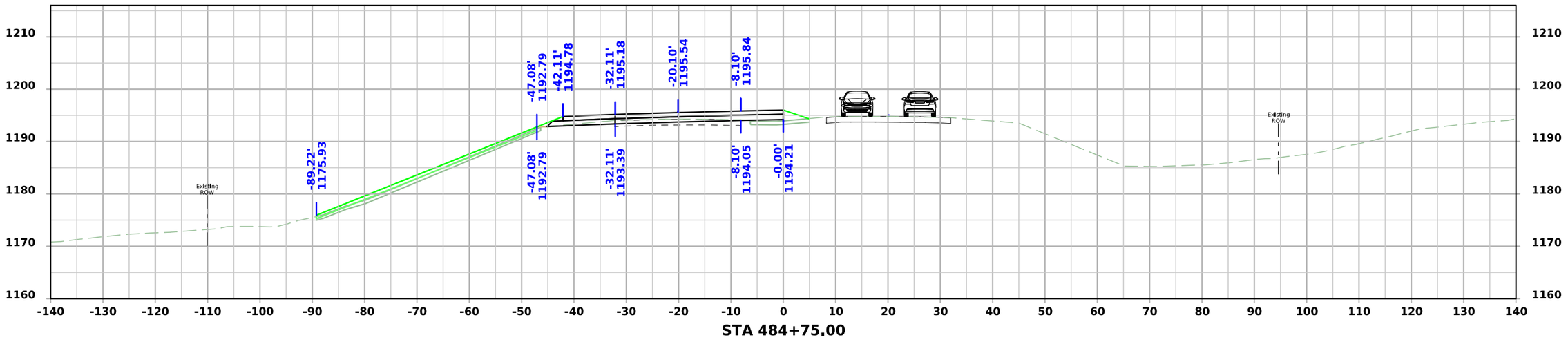
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2024

8:28:46 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_1_78059056Z06.dgn

US 59 Stage 2



STA 485+00.00

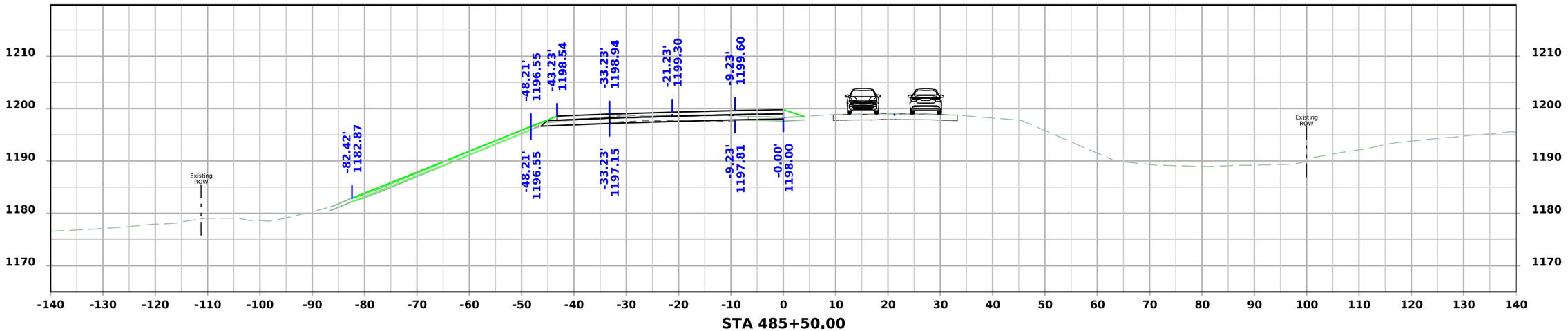


STA 484+75.00

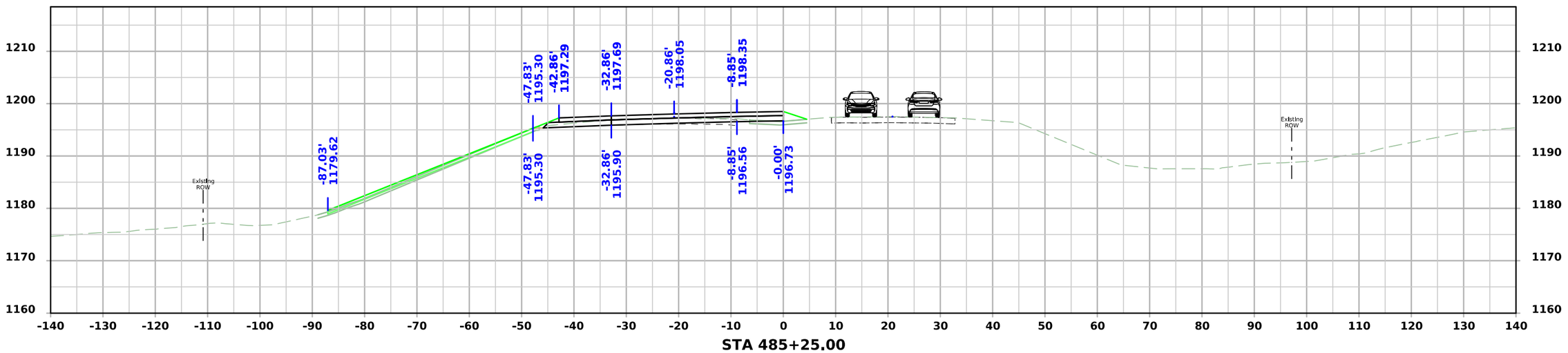
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2025

8:28:49 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_1_78059056Z06.dgn

US 59 Stage 2



STA 485+50.00

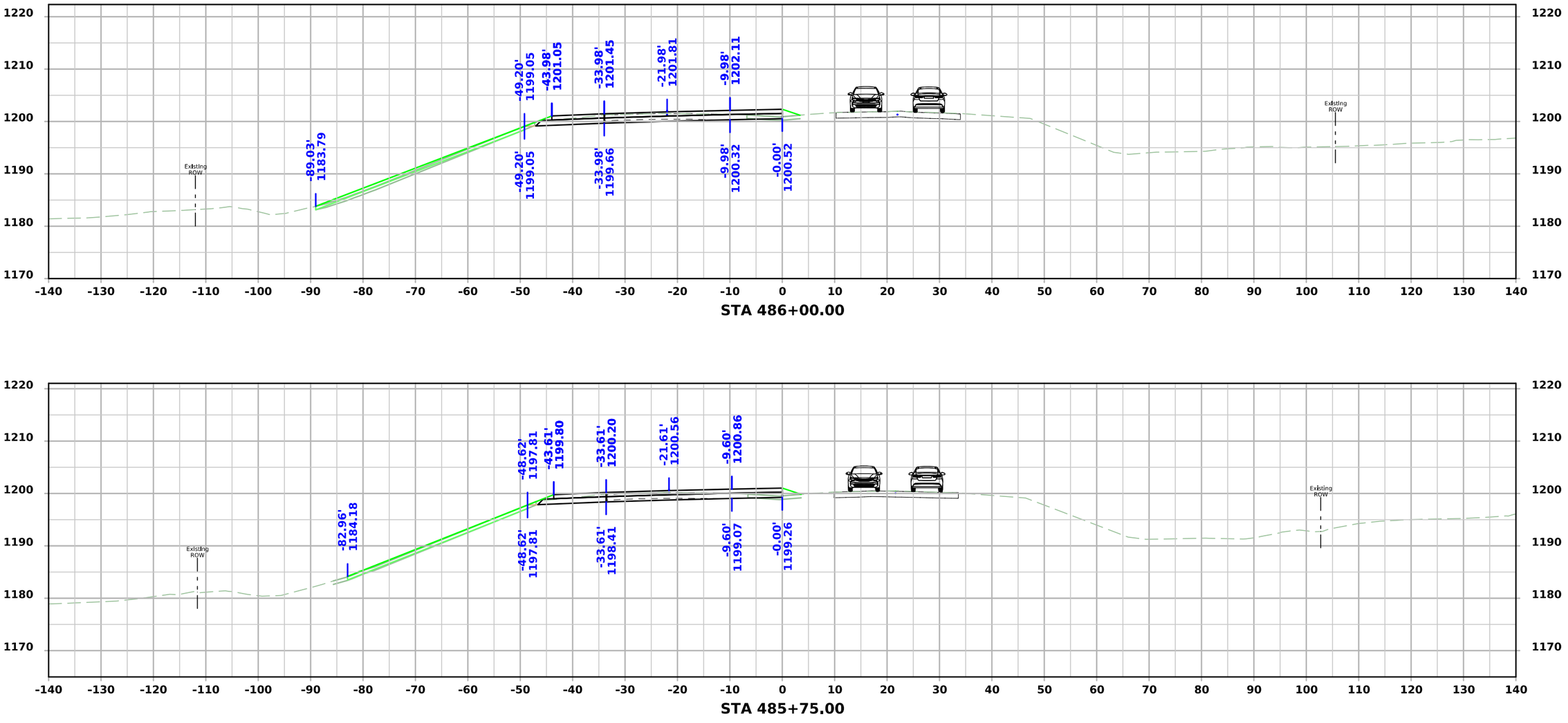


STA 485+25.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2026

8:28:51 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_1_78059056Z06.dgn

US 59 Stage 2



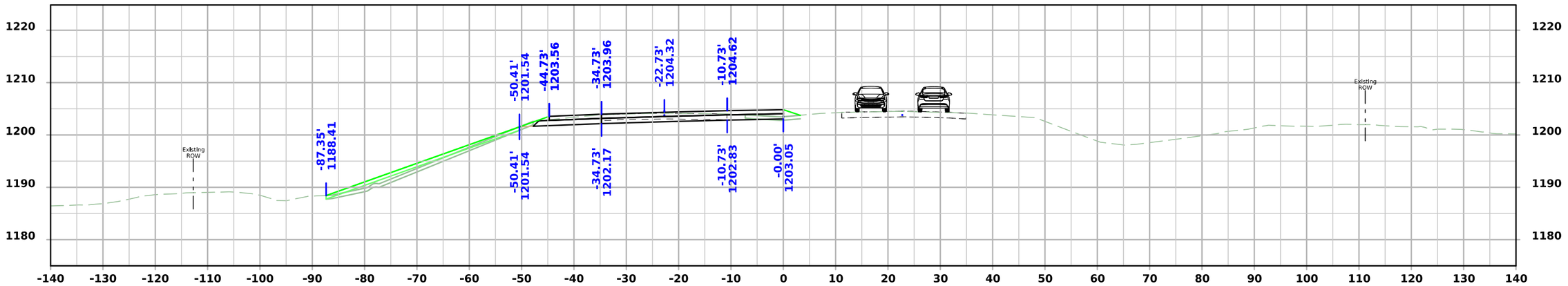
STA 486+00.00

STA 485+75.00

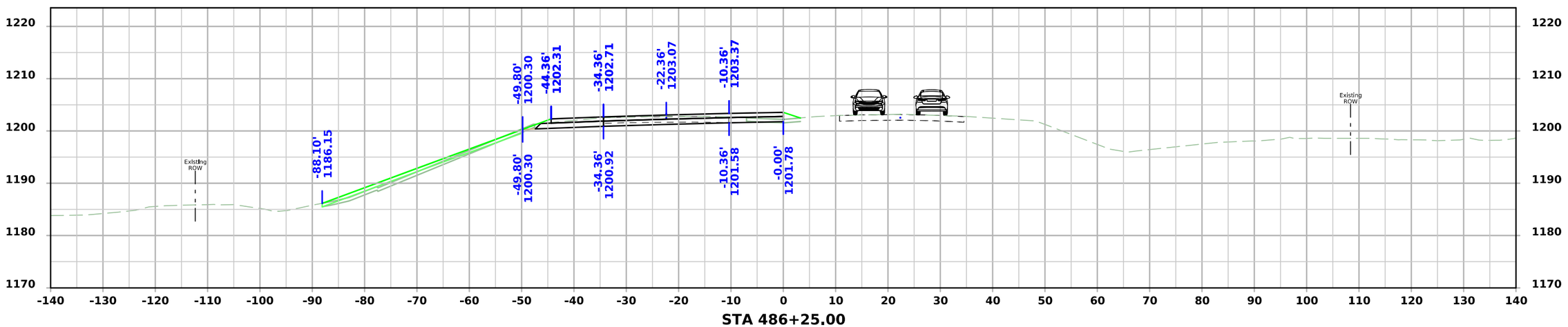
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2027

8:28:53 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_1_78059056Z06.dgn

US 59 Stage 2



STA 486+50.00

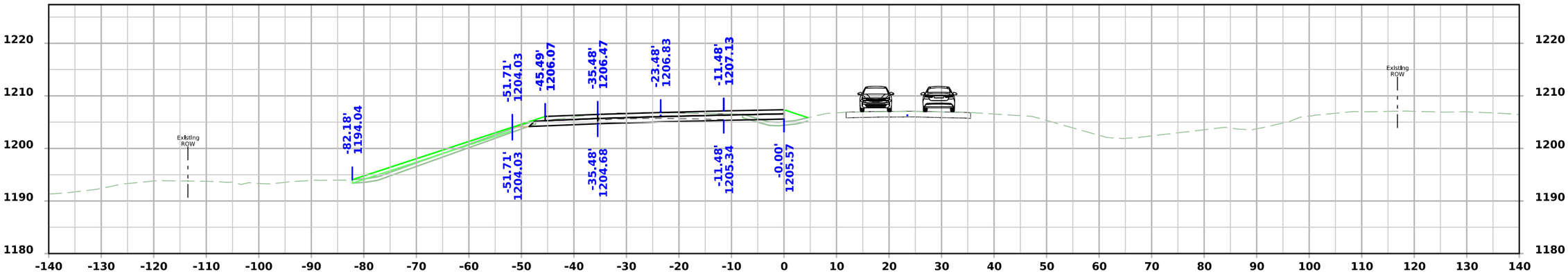


STA 486+25.00

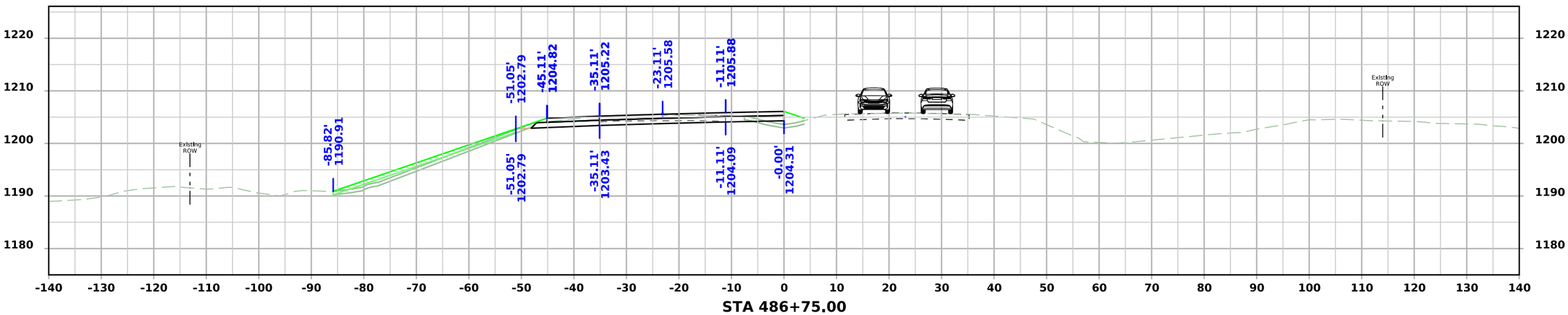
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2028

8:28:56 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_1_78059056Z06.dgn

US 59 Stage 2



STA 487+00.00

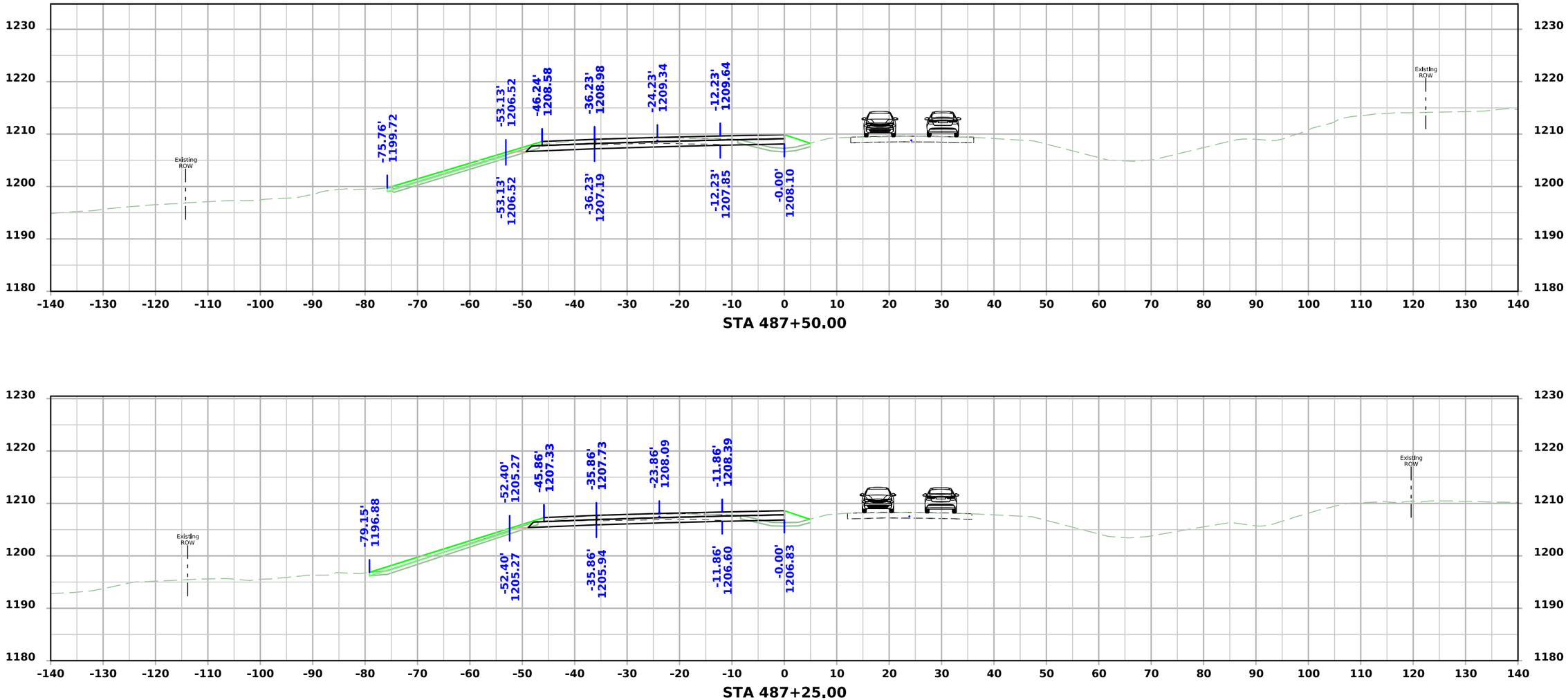


STA 486+75.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2029

8:28:58 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_1_78059056Z06.dgn

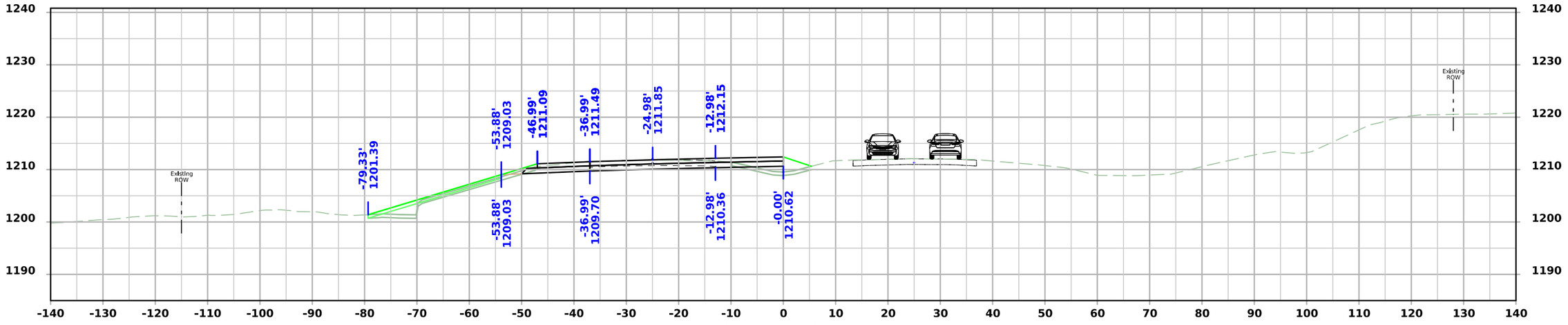
US 59 Stage 2



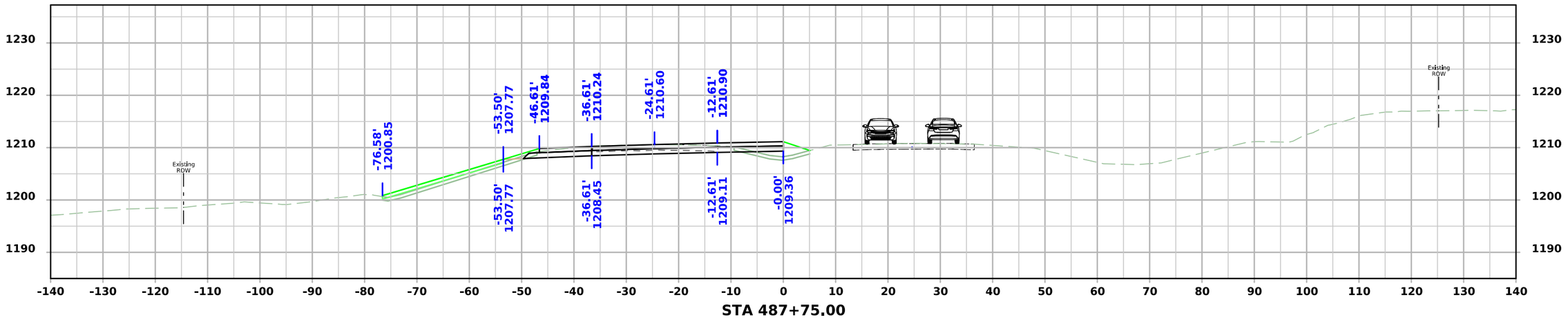
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2030

8:29:00 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_1_78059056Z06.dgn

US 59 Stage 2



STA 488+00.00

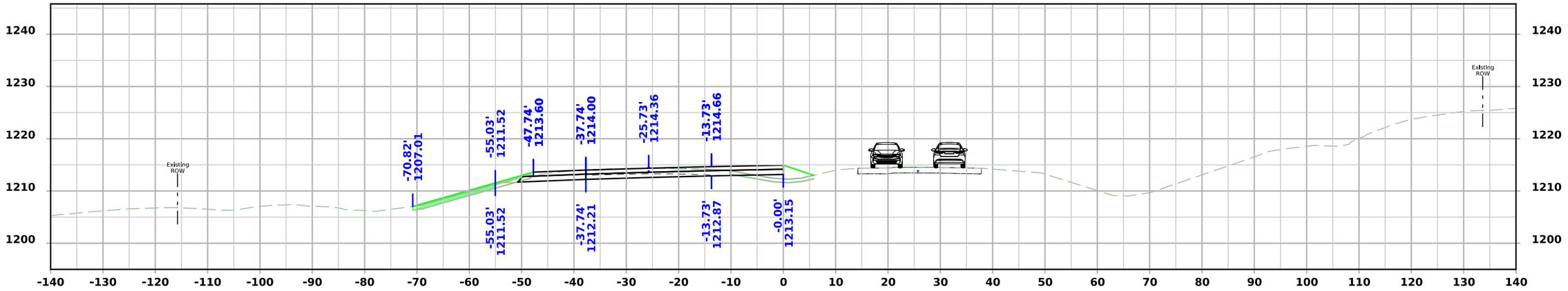


STA 487+75.00

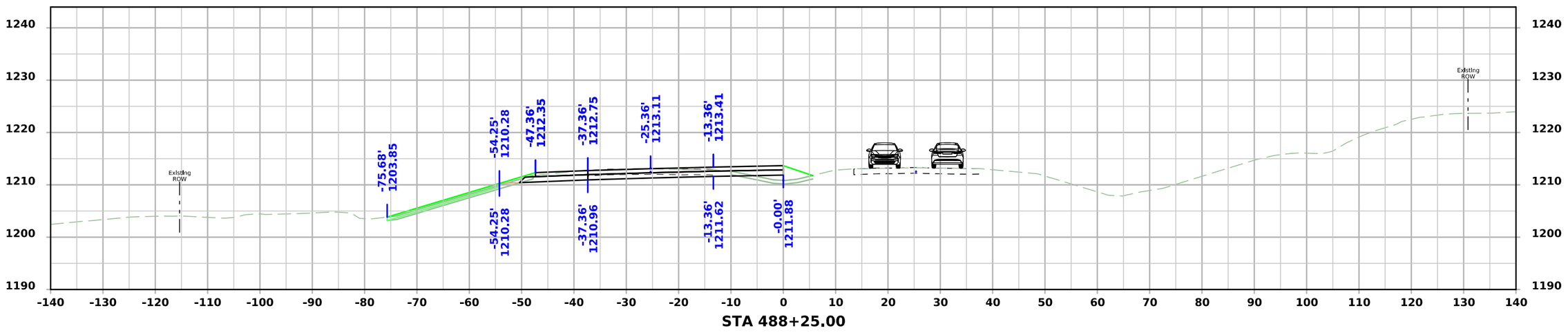
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2031

8:29:03 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_1_78059056Z06.dgn

US 59 Stage 2



STA 488+50.00

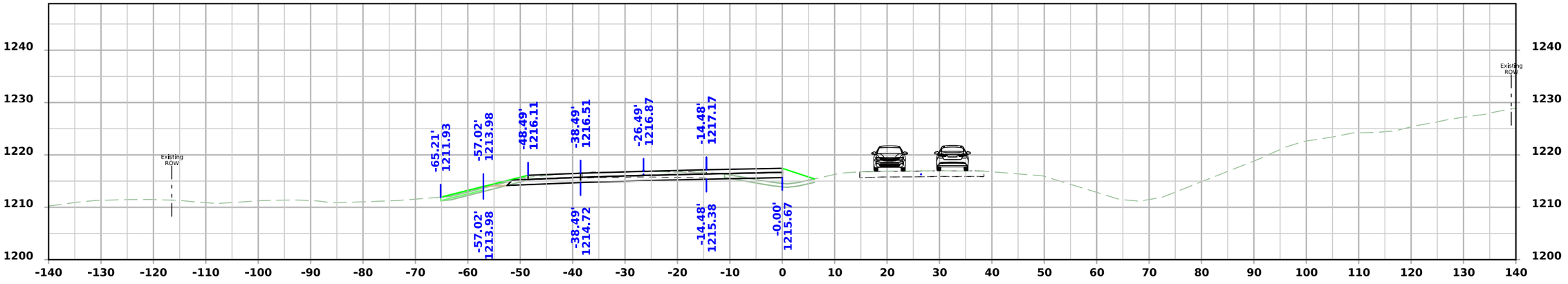


STA 488+25.00

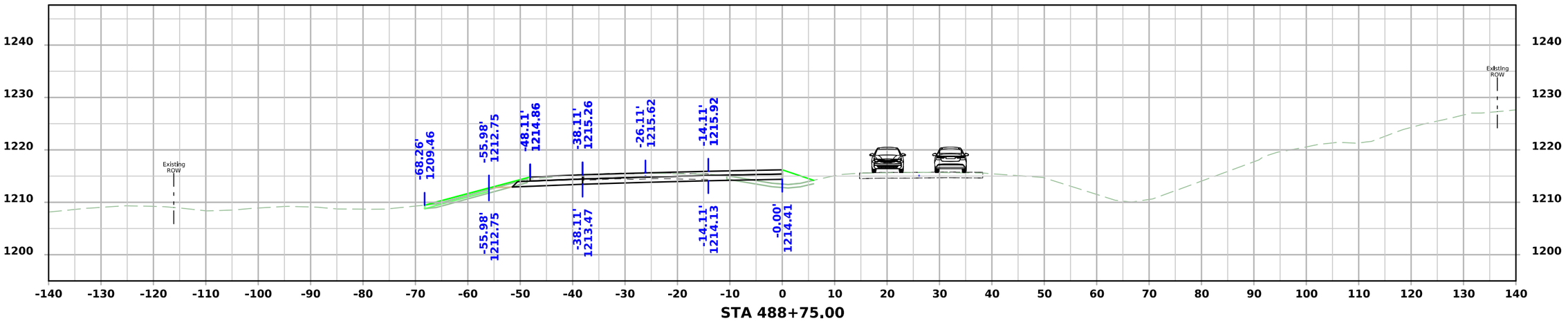
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2032

8:29:05 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_1_78059056Z06.dgn

US 59 Stage 2



STA 489+00.00

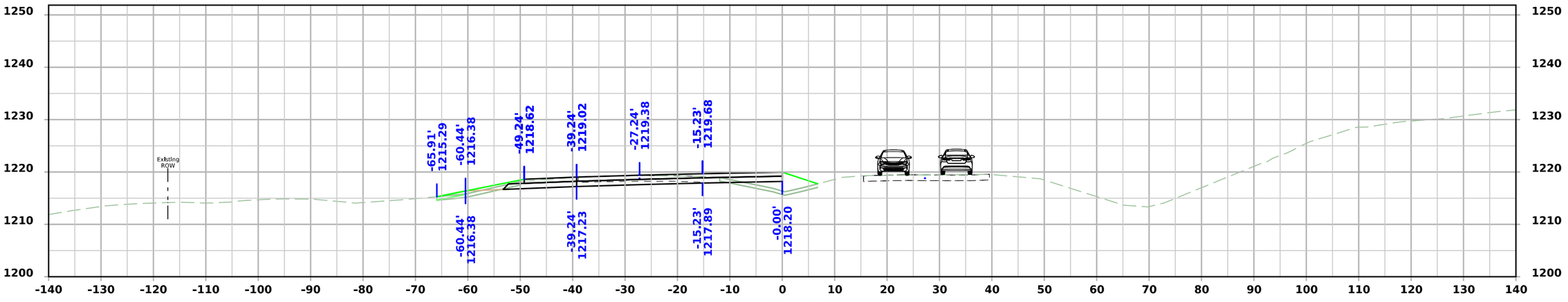


STA 488+75.00

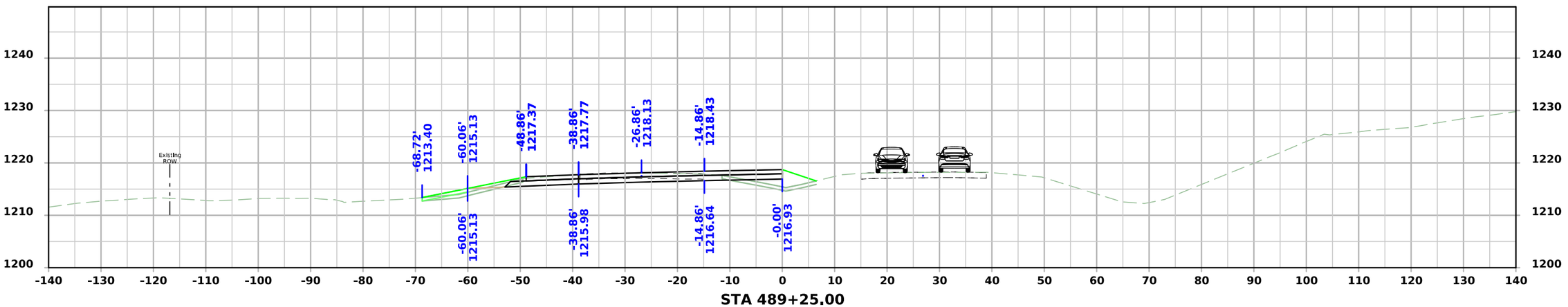
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2033

8:29:07 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_1_78059056Z06.dgn

US 59 Stage 2



STA 489+50.00

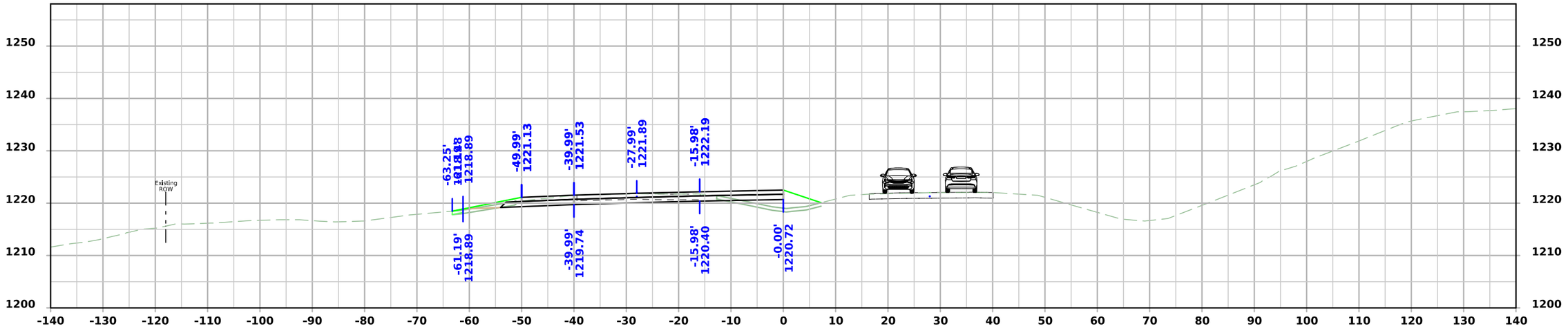


STA 489+25.00

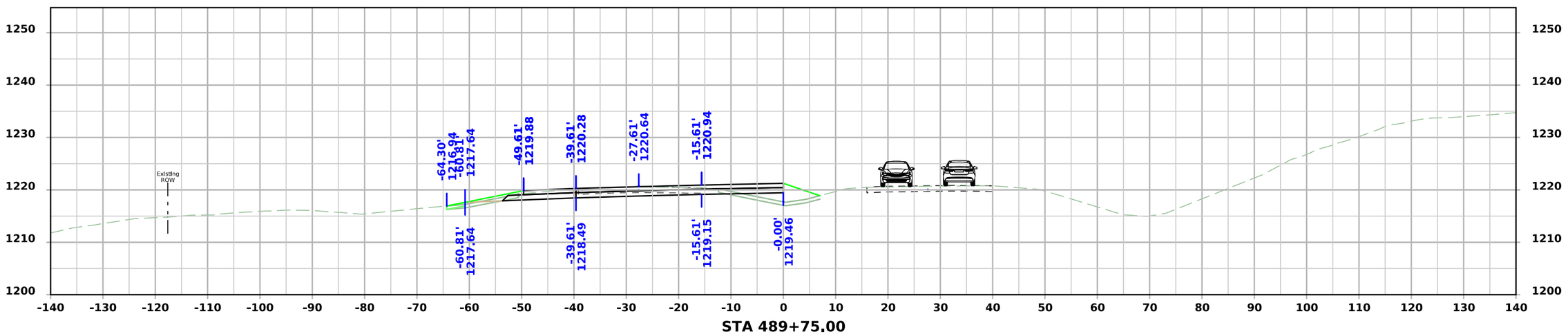
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2034

8:29:10 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_1_78059056Z06.dgn

US 59 Stage 2



STA 490+00.00

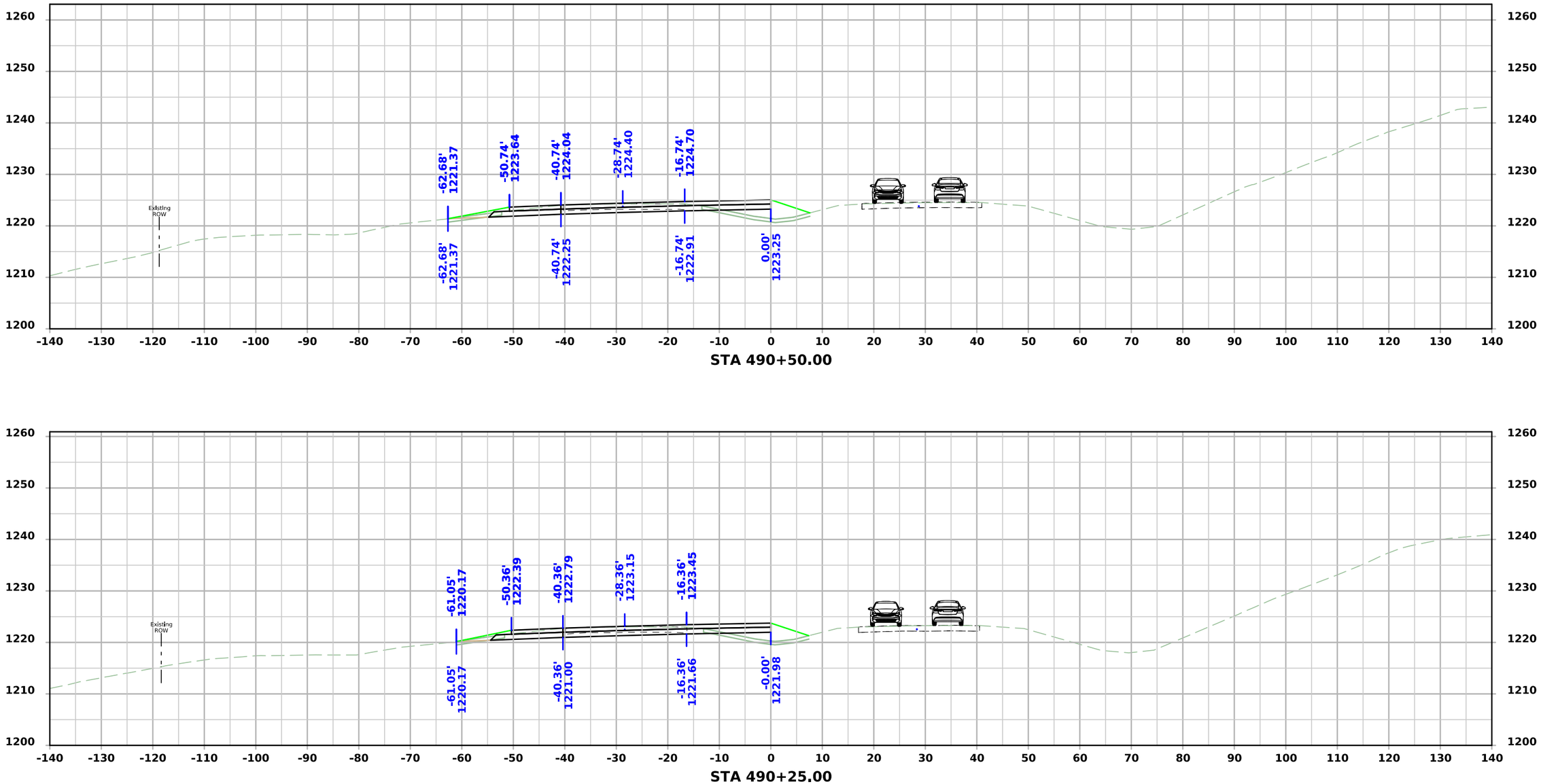


STA 489+75.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2035

8:29:12 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_1_78059056Z06.dgn

US 59 Stage 2



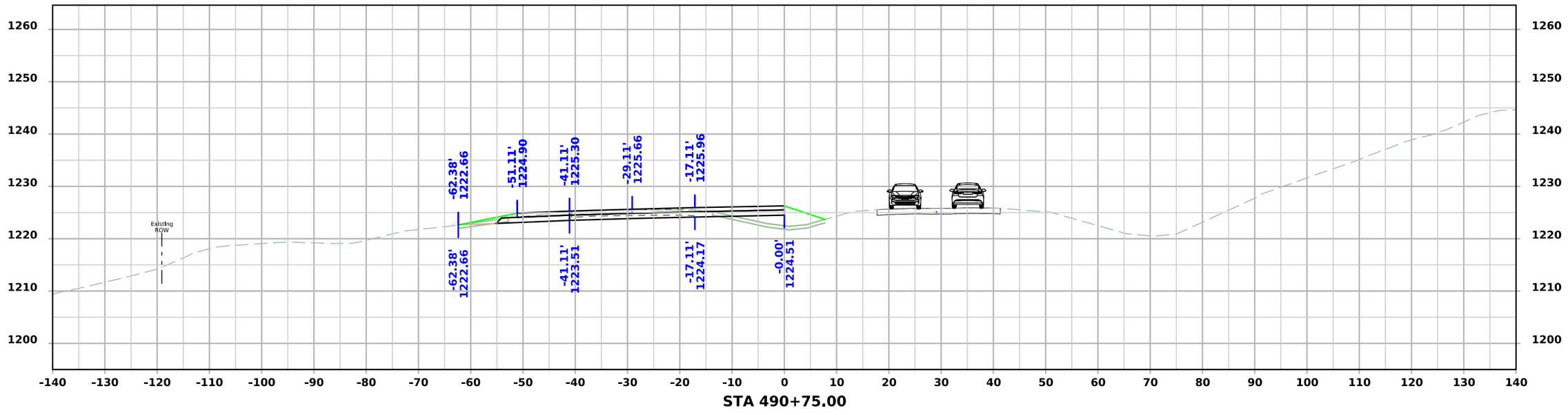
STA 490+50.00

STA 490+25.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2036

8:29:14 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_1_78059056Z06.dgn

US 59 Stage 2

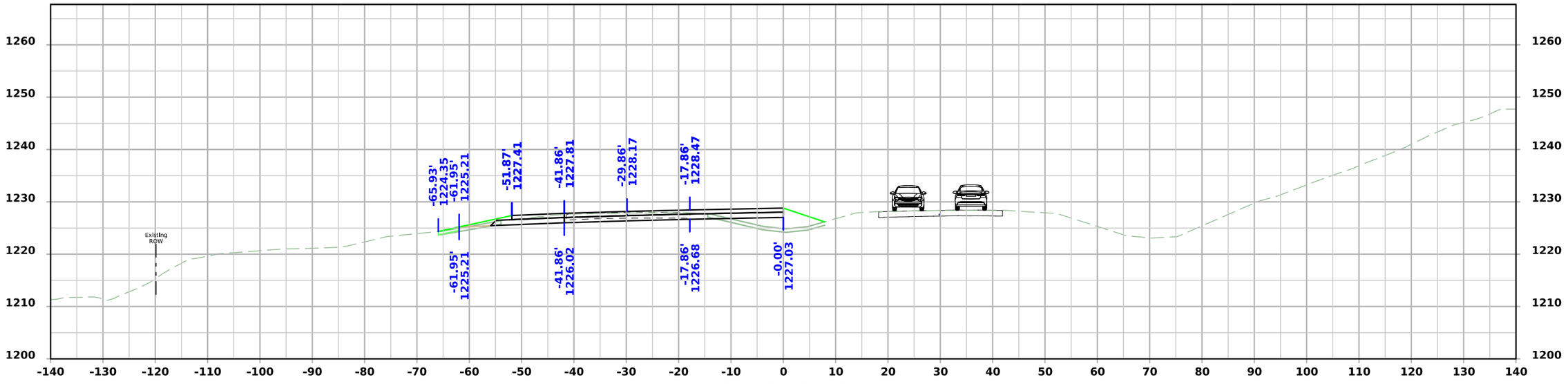


STA 490+75.00

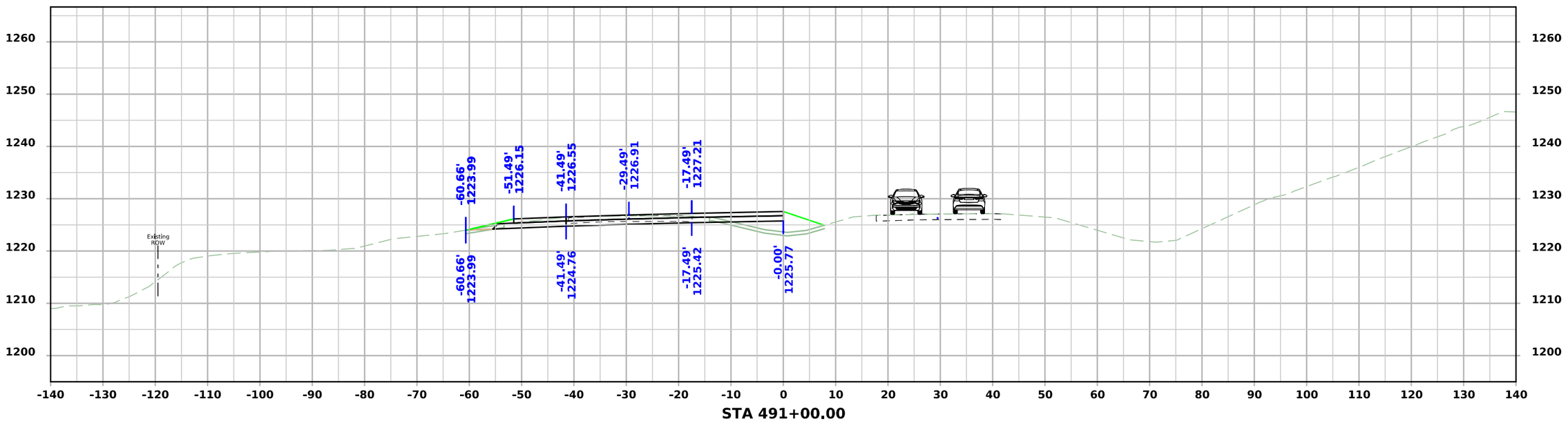
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2037

8:29:16 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_1_78059056Z06.dgn

US 59 Stage 2



STA 491+25.00

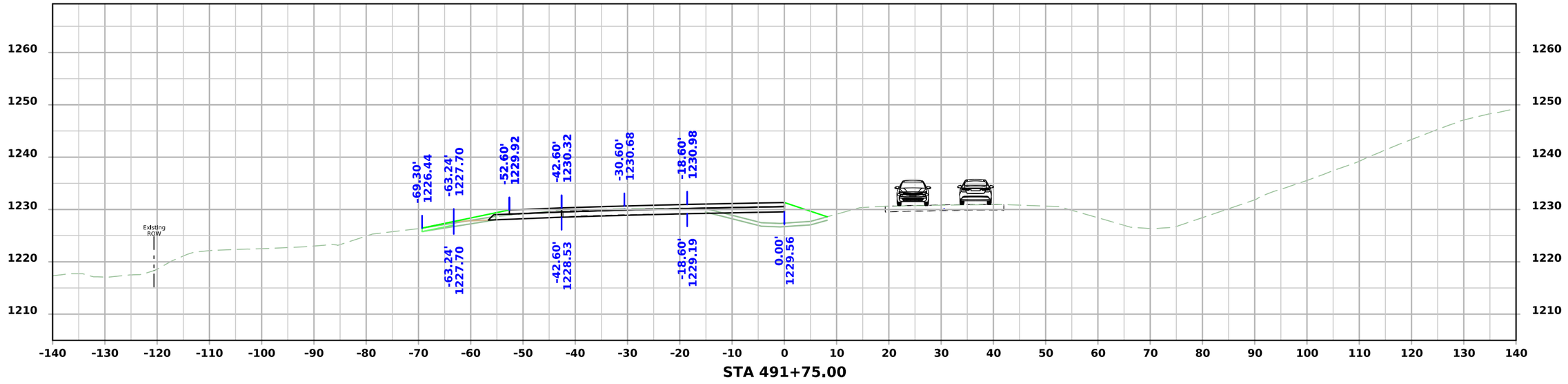


STA 491+00.00

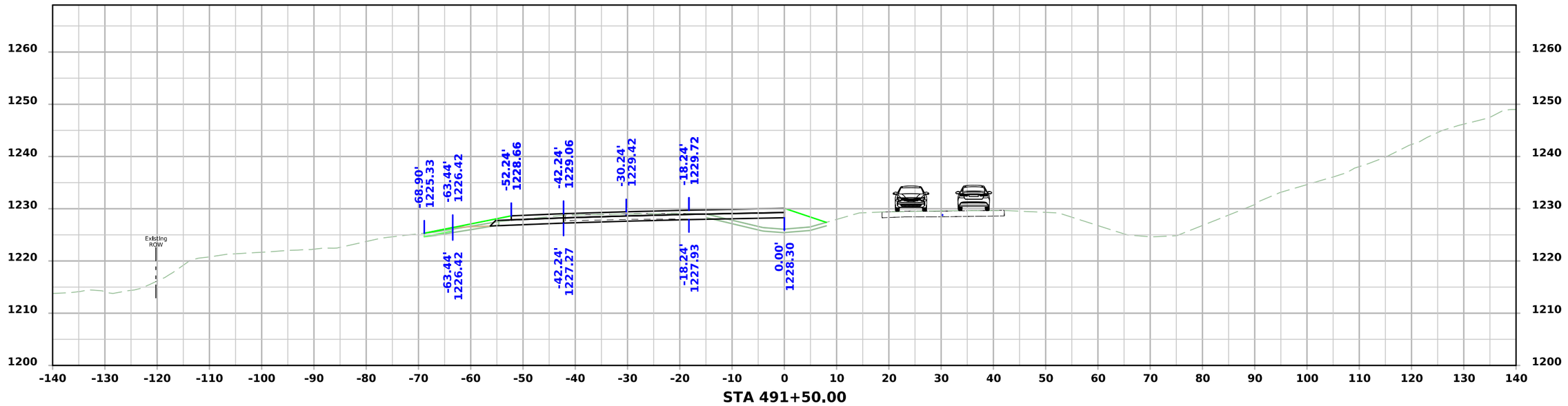
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2038

8:29:31 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_2_78059056Z06.dgn

US 59 Stage 2



STA 491+75.00

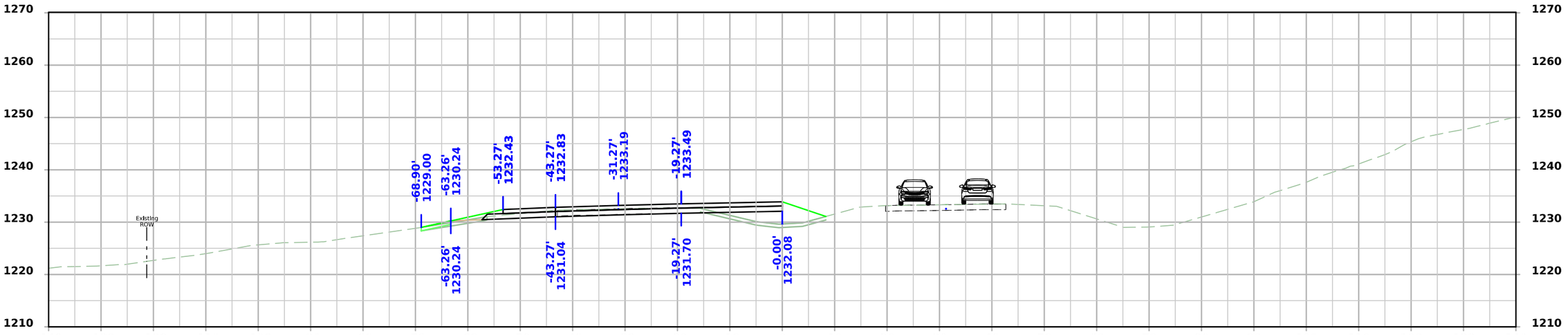


STA 491+50.00

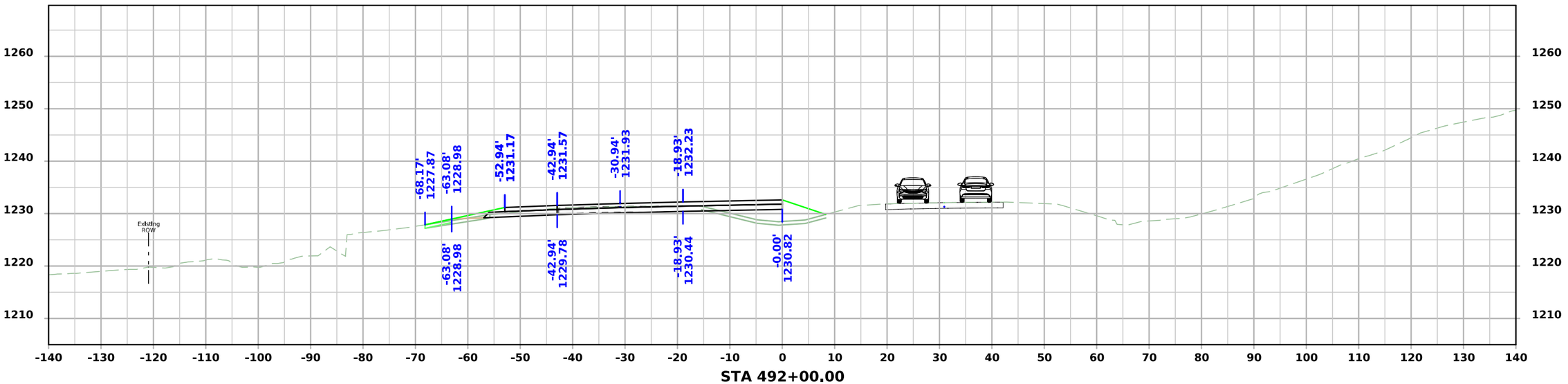
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2039

8:29:35 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_2_78059056Z06.dgn

US 59 Stage 2



STA 492+25.00

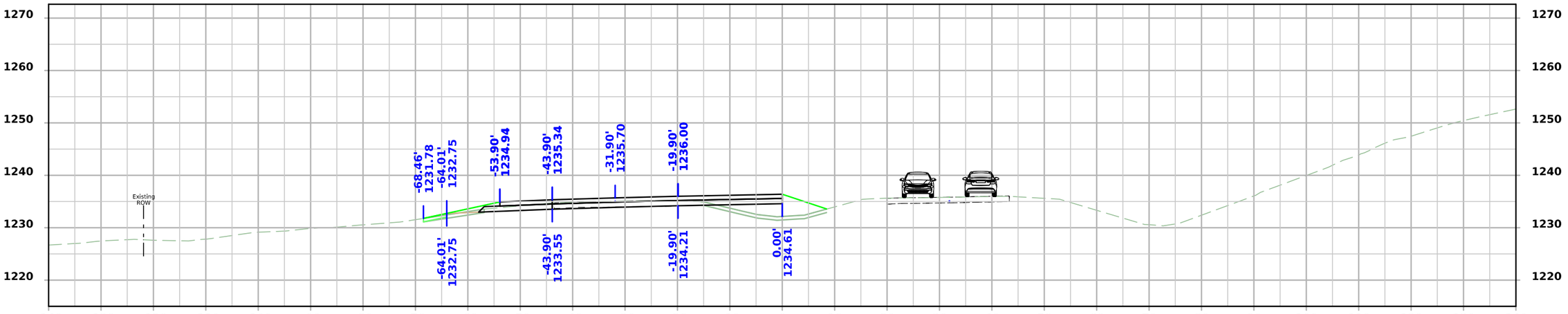


STA 492+00.00

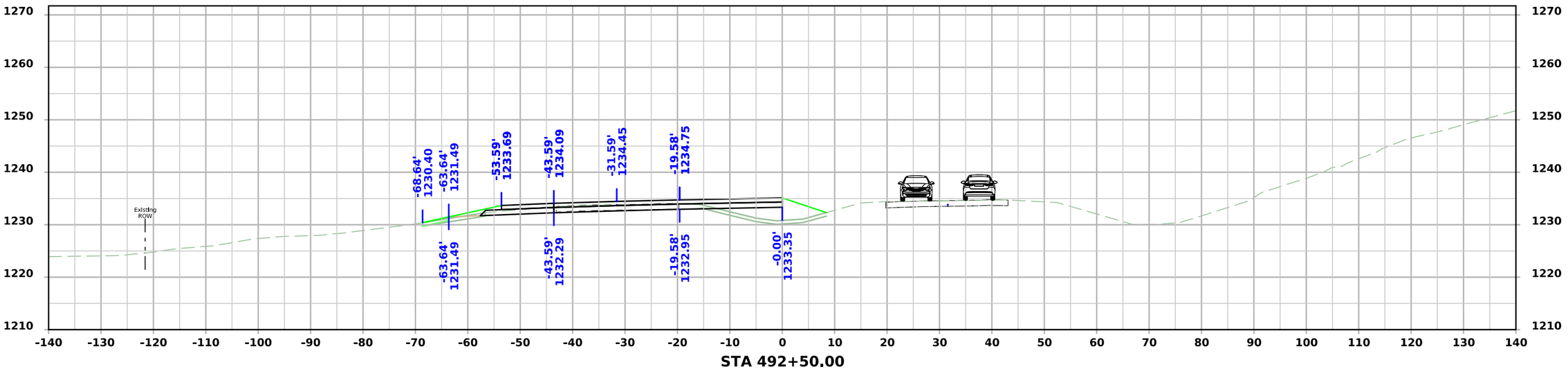
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2040

8:29:38 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_2_78059056Z06.dgn

US 59 Stage 2



STA 492+75.00

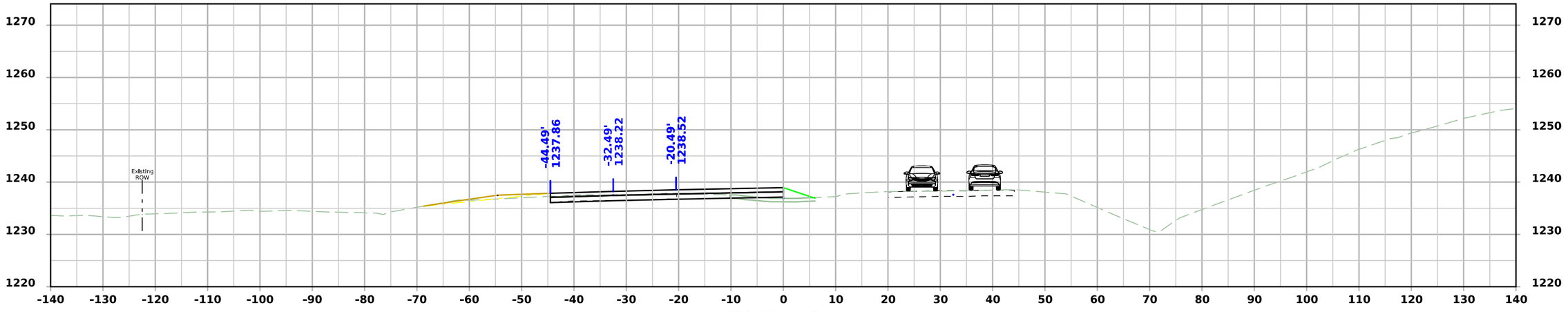


STA 492+50.00

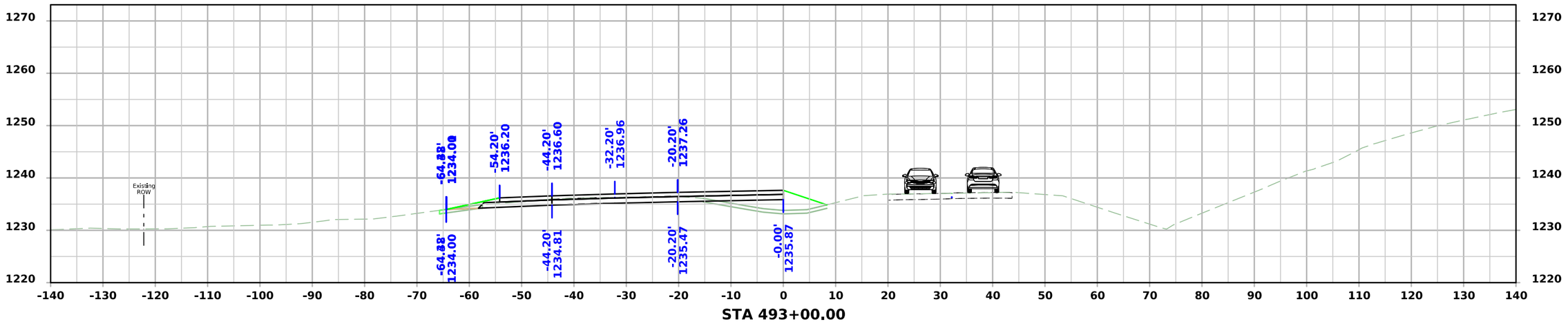
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2041

8:29:42 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_2_78059056Z06.dgn

US 59 Stage 2



STA 493+25.00

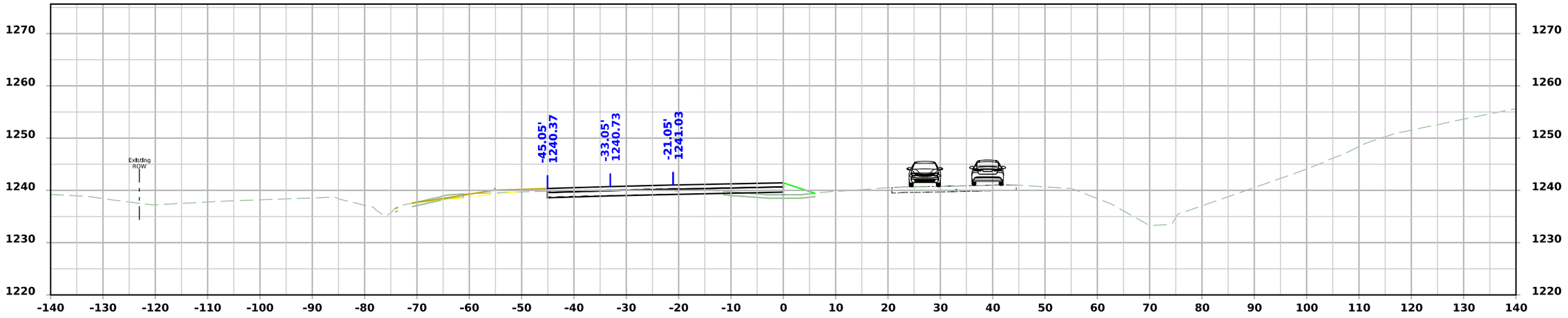


STA 493+00.00

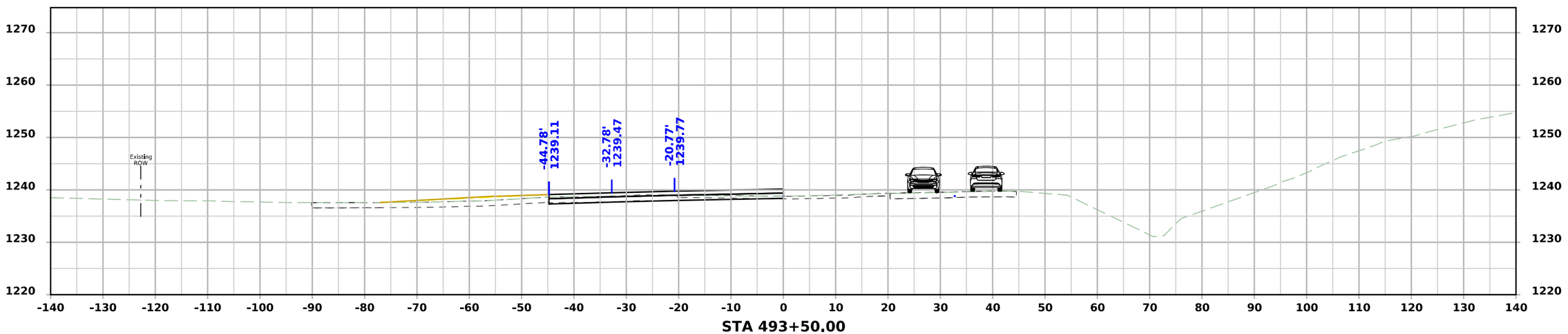
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2042

8:29:46 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_2_78059056Z06.dgn

US 59 Stage 2



STA 493+75.00

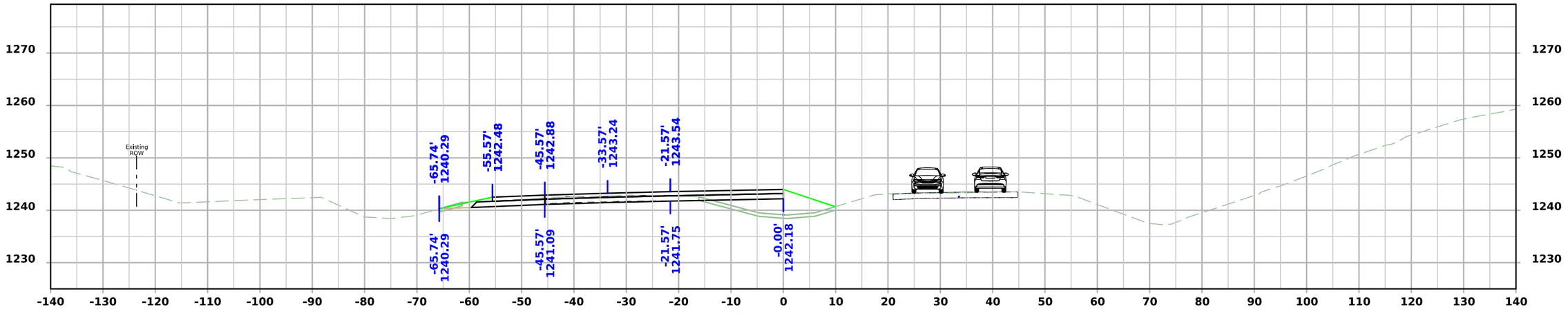


STA 493+50.00

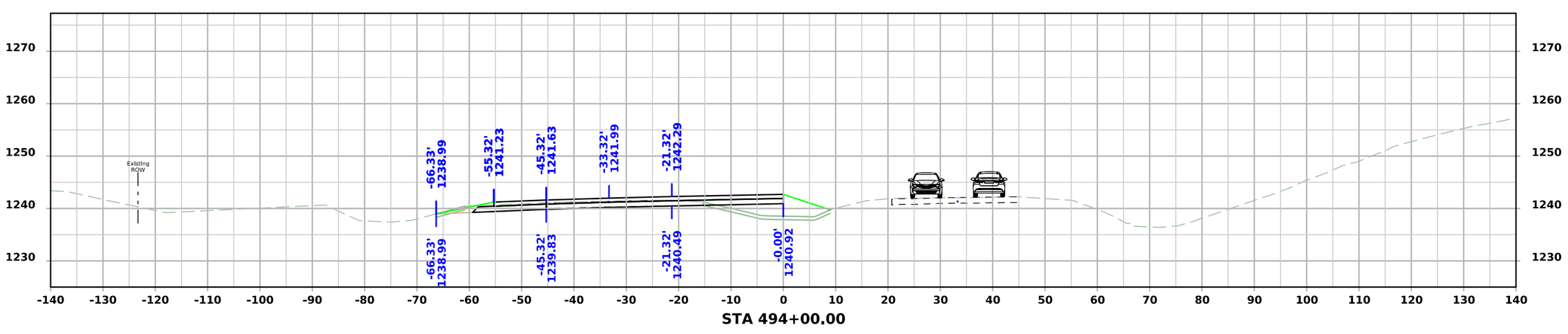
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2043

8:29:49 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_2_78059056Z06.dgn

US 59 Stage 2



STA 494+25.00

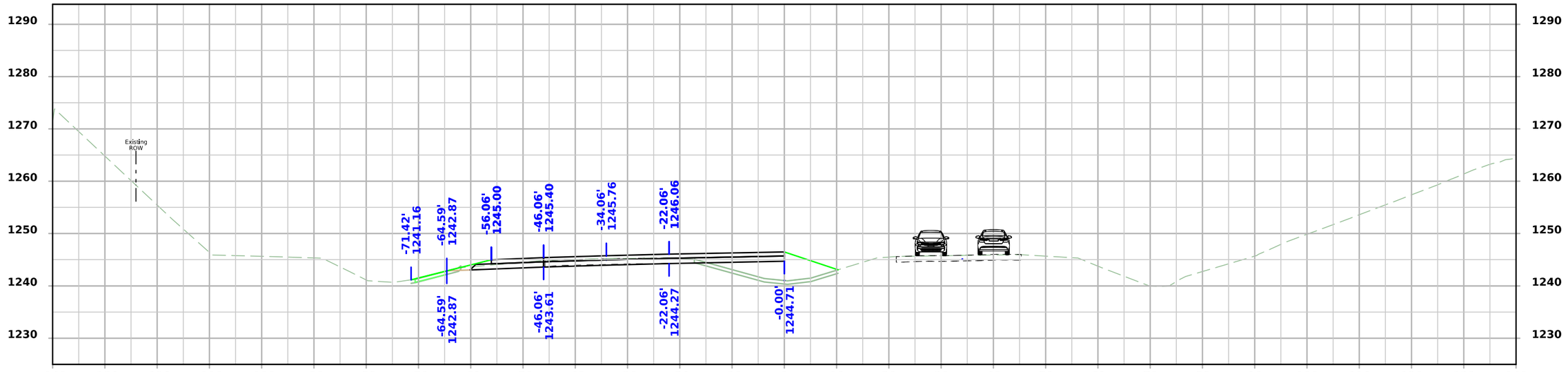


STA 494+00.00

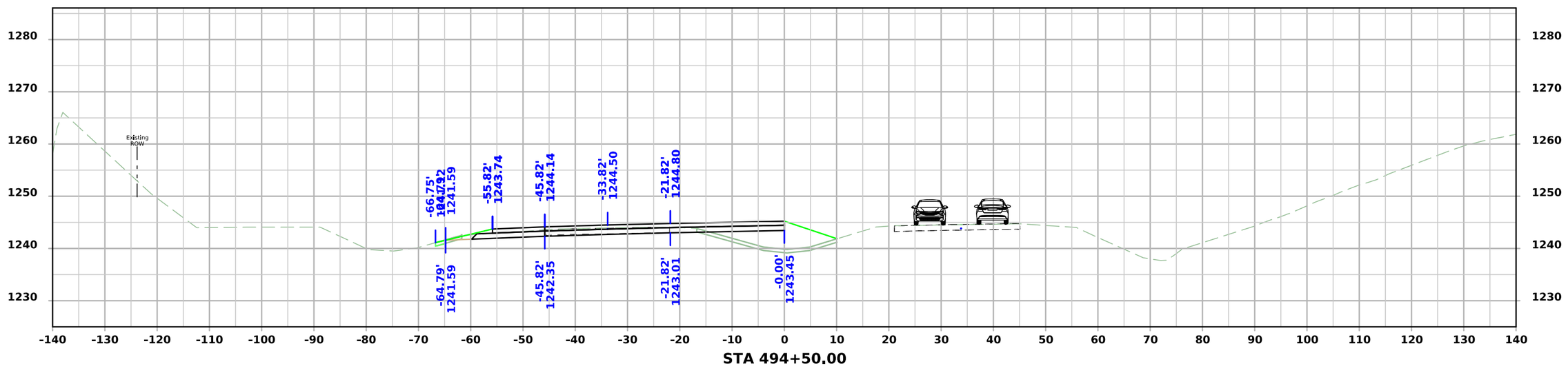
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2044

8:29:52 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_2_78059056Z06.dgn

US 59 Stage 2



STA 494+75.00

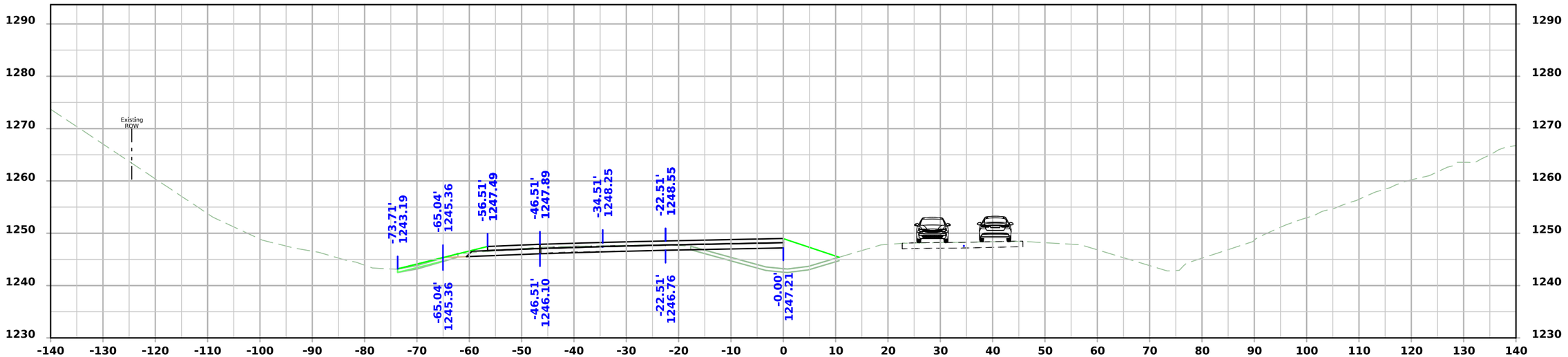


STA 494+50.00

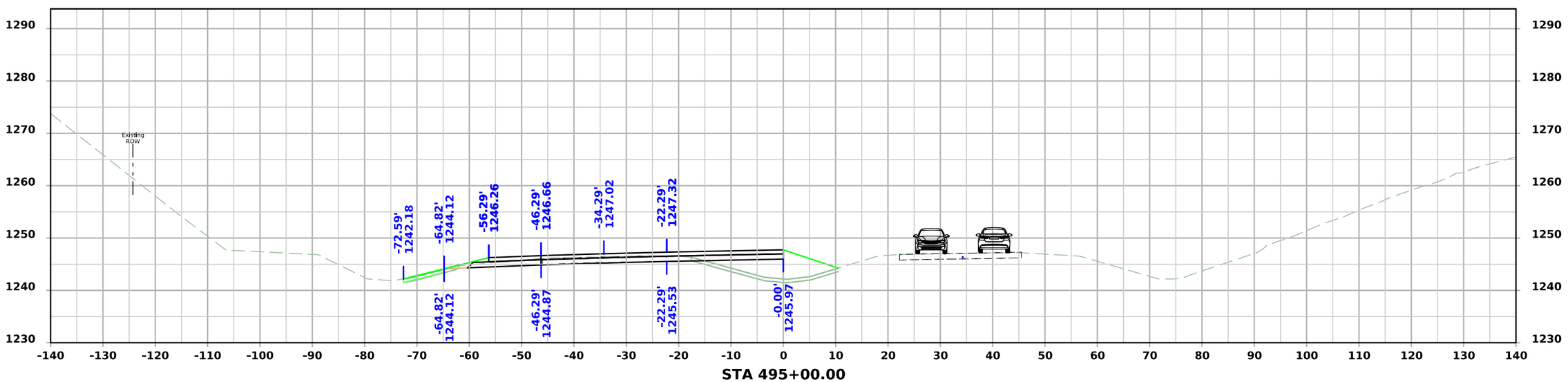
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2045

8:29:56 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_2_78059056Z06.dgn

US 59 Stage 2



STA 495+25.00

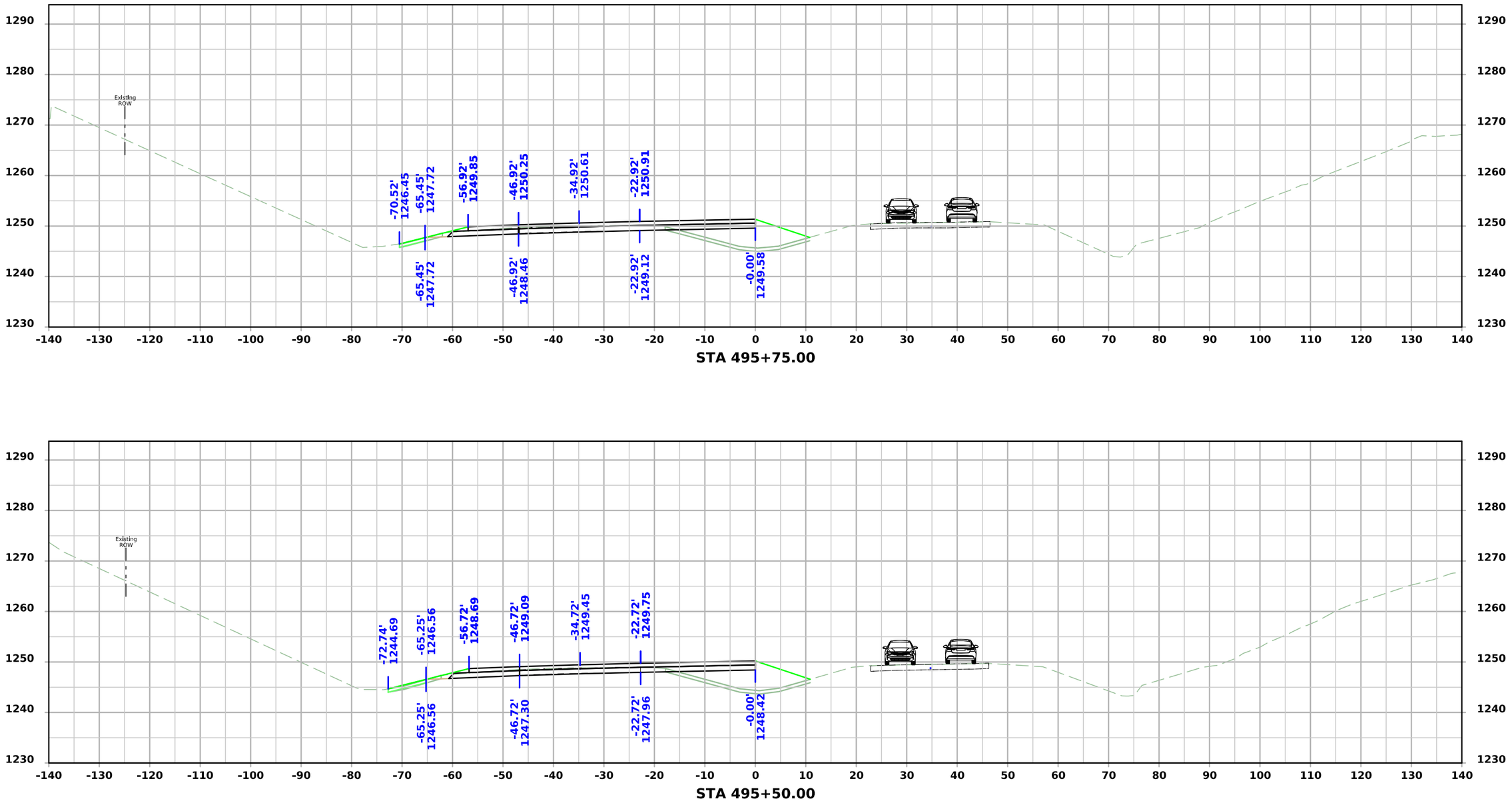


STA 495+00.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2046

8:30:00 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_2_78059056Z06.dgn

US 59 Stage 2



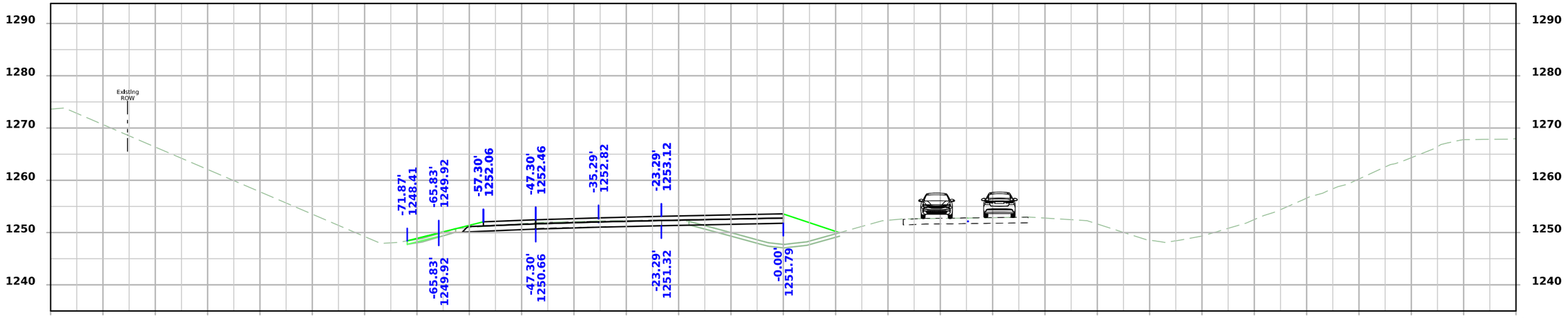
STA 495+75.00

STA 495+50.00

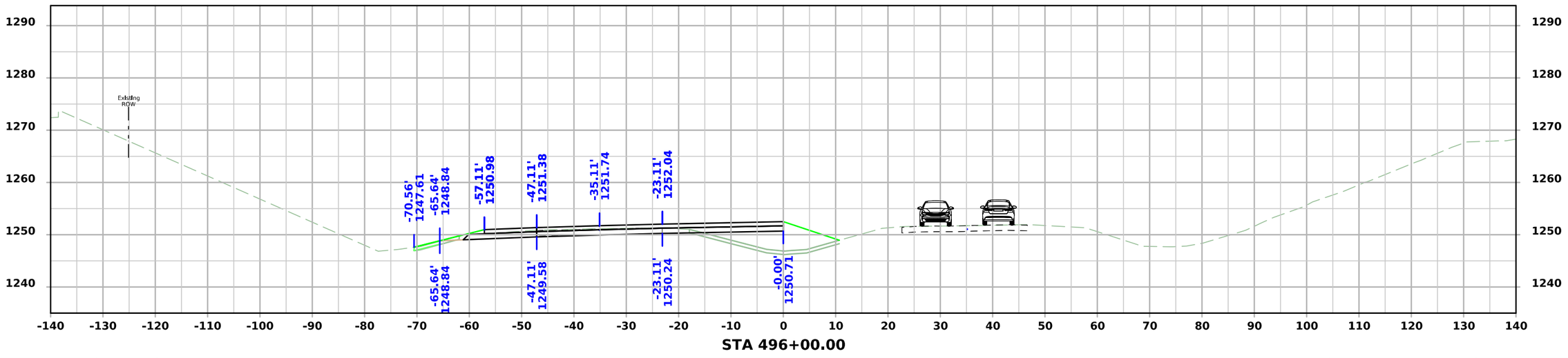
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2047

8:30:02 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_2_78059056Z06.dgn

US 59 Stage 2



STA 496+25.00

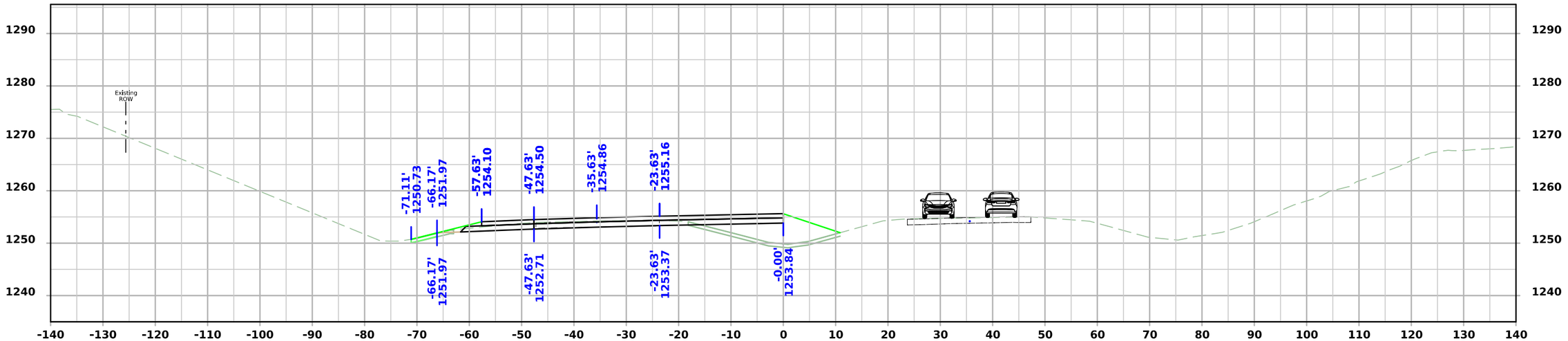


STA 496+00.00

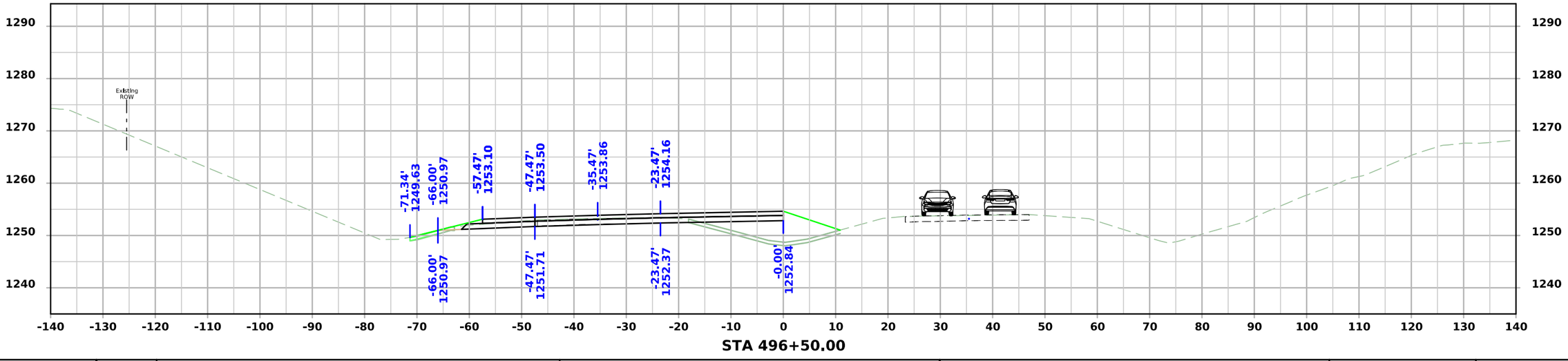
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2048

8:30:04 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_2_78059056Z06.dgn

US 59 Stage 2



STA 496+75.00

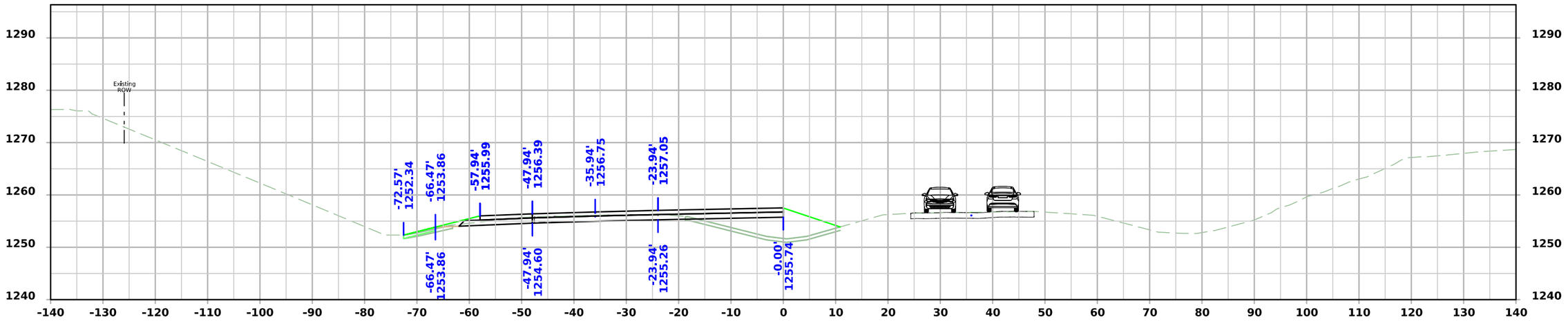


STA 496+50.00

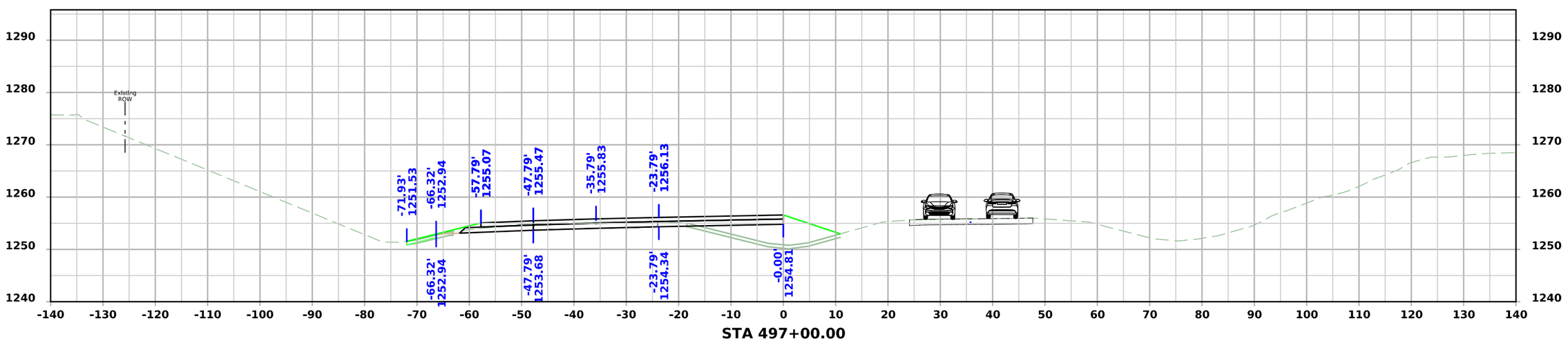
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2049

8:30:07 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_2_78059056Z06.dgn

US 59 Stage 2



STA 497+25.00

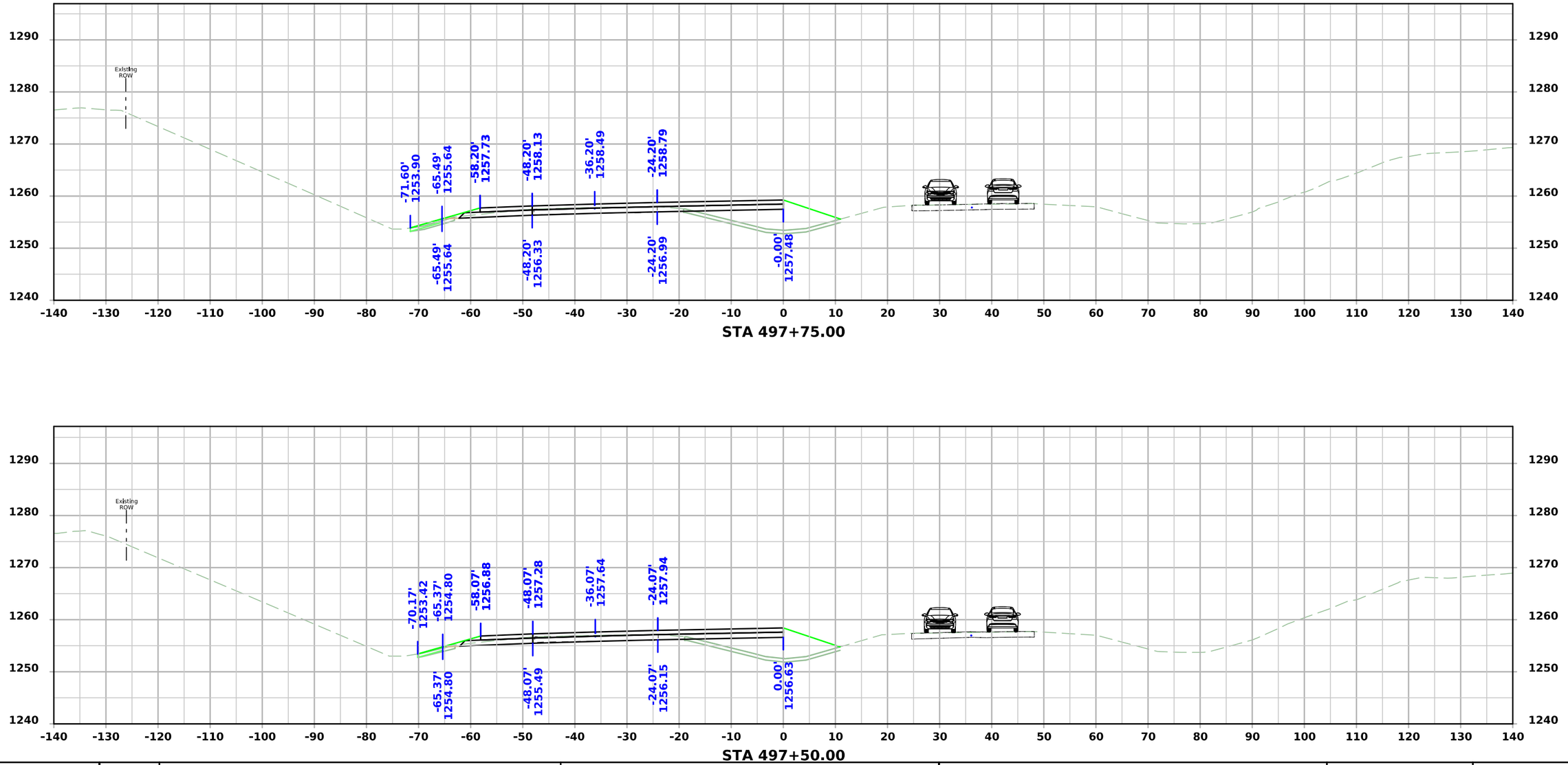


STA 497+00.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2050

8:30:09 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_2_78059056Z06.dgn

US 59 Stage 2



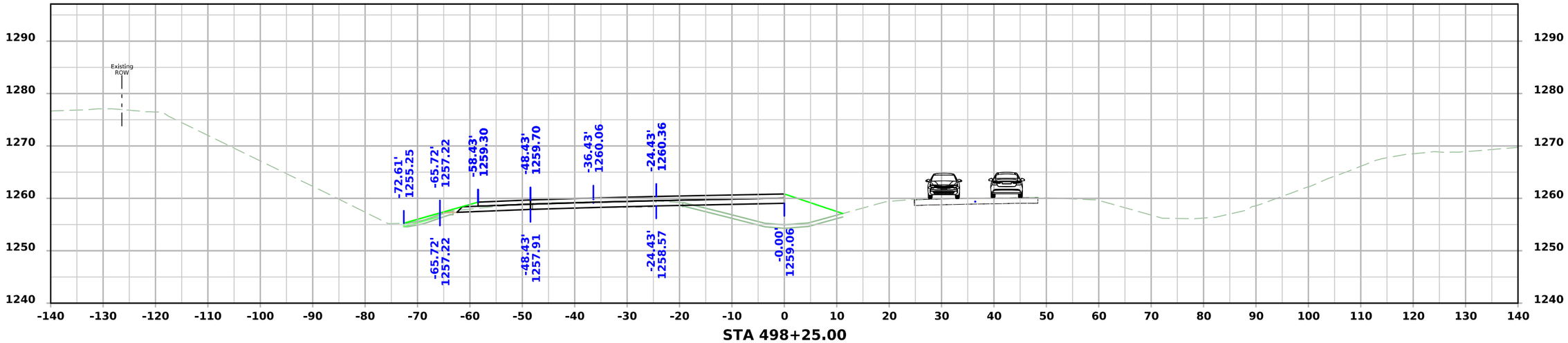
STA 497+75.00

STA 497+50.00

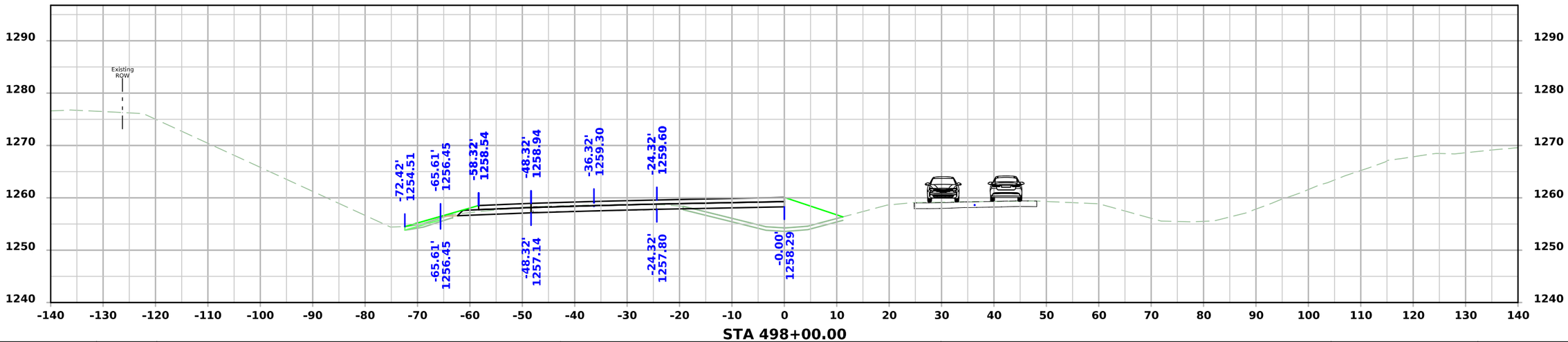
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2051

8:30:11 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_2_78059056Z06.dgn

US 59 Stage 2



STA 498+25.00

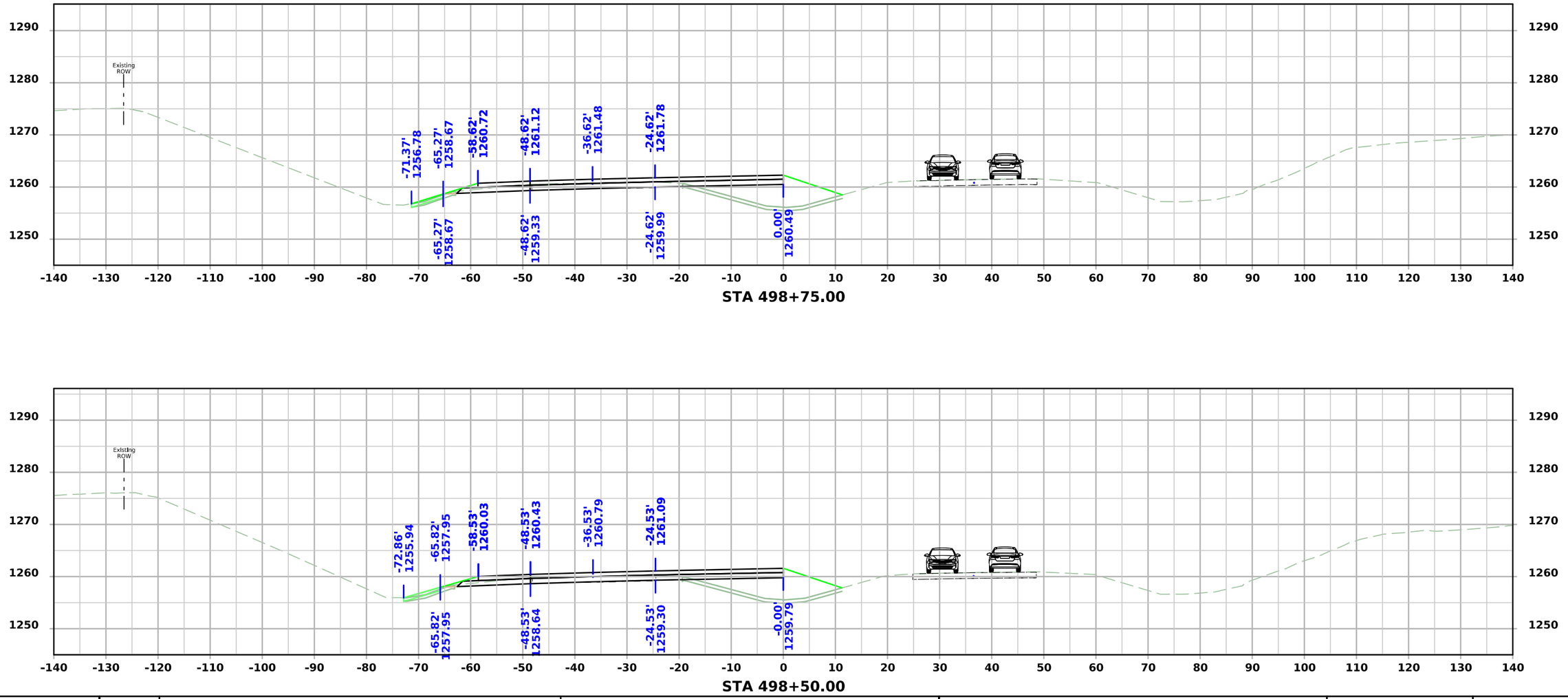


STA 498+00.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2052

8:30:14 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_2_78059056Z06.dgn

US 59 Stage 2



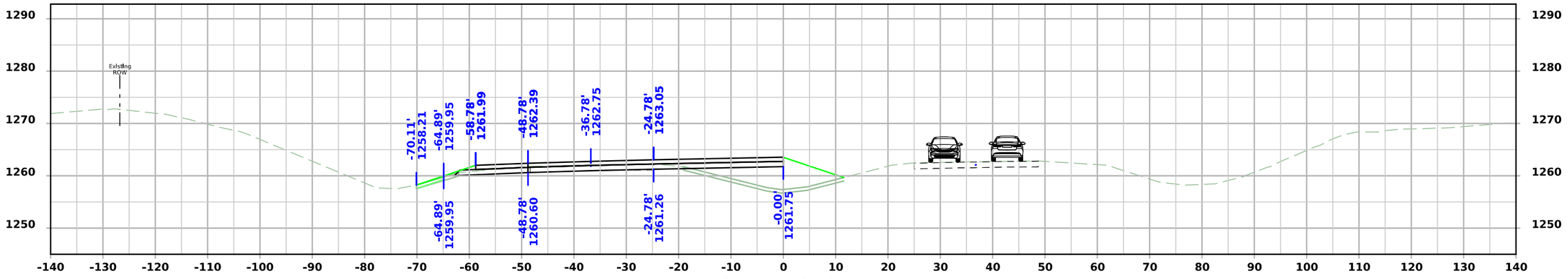
STA 498+75.00

STA 498+50.00

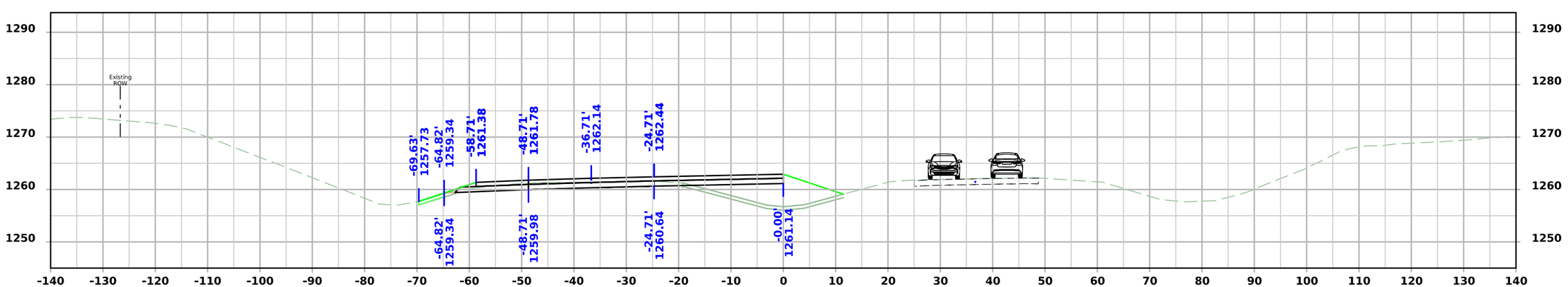
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2053

8:30:16 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_2_78059056Z06.dgn

US 59 Stage 2



STA 499+25.00

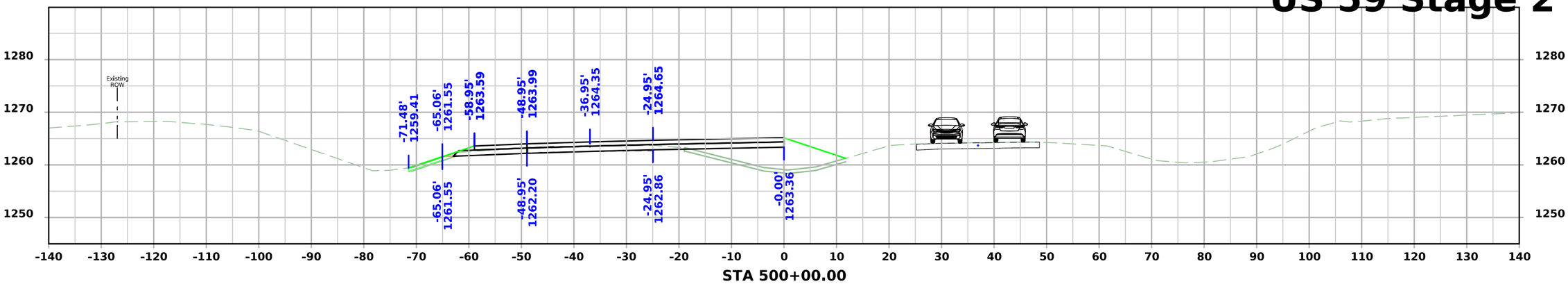


STA 499+00.00

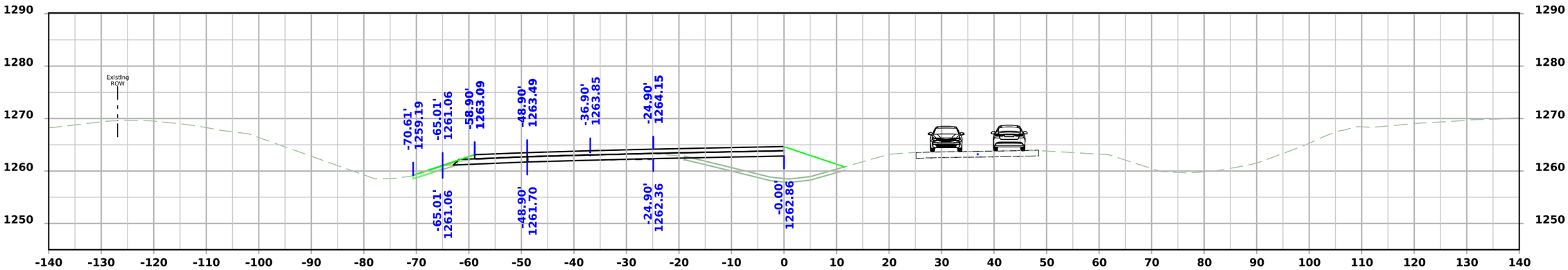
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2054

8:30:19 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_2_78059056Z06.dgn

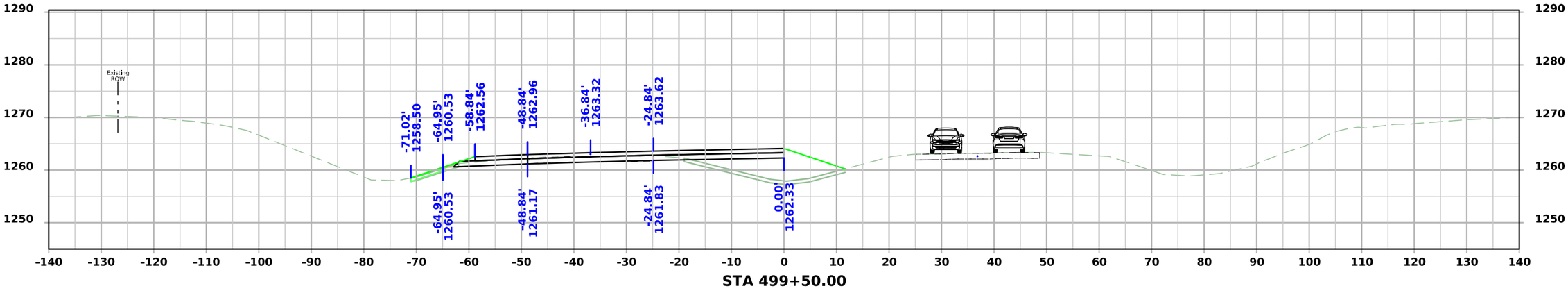
US 59 Stage 2



STA 500+00.00



STA 499+75.00

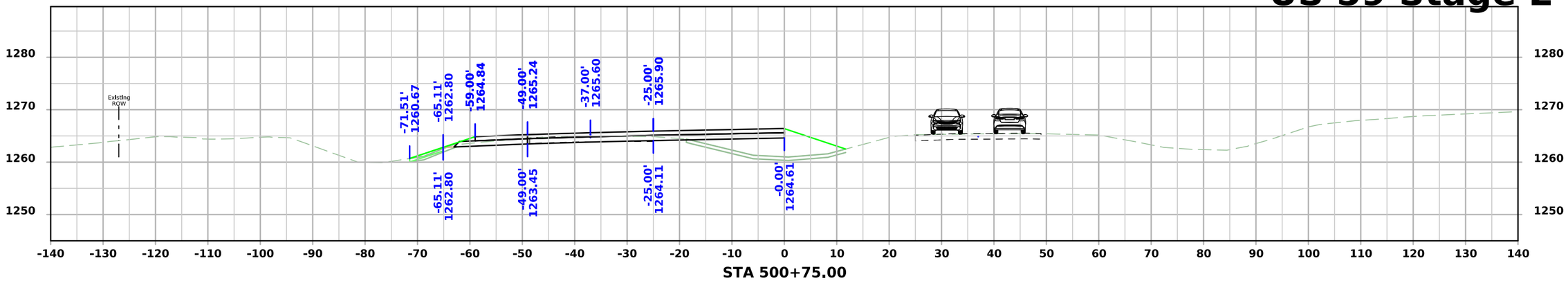


STA 499+50.00

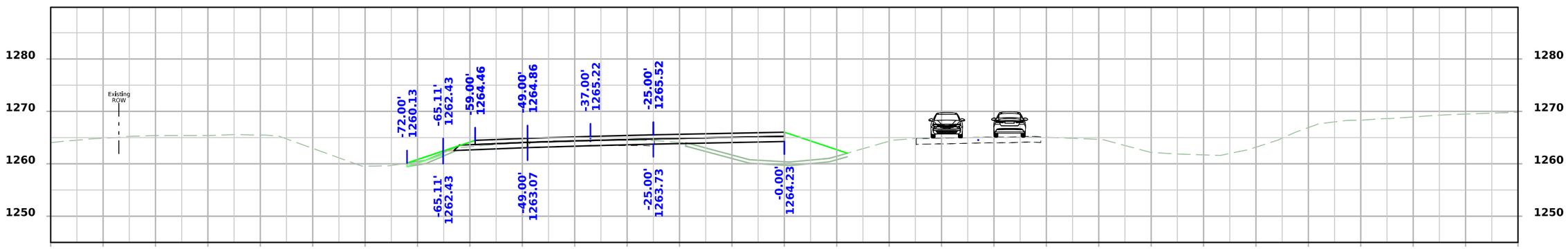
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2055

8:30:21 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_2_78059056Z06.dgn

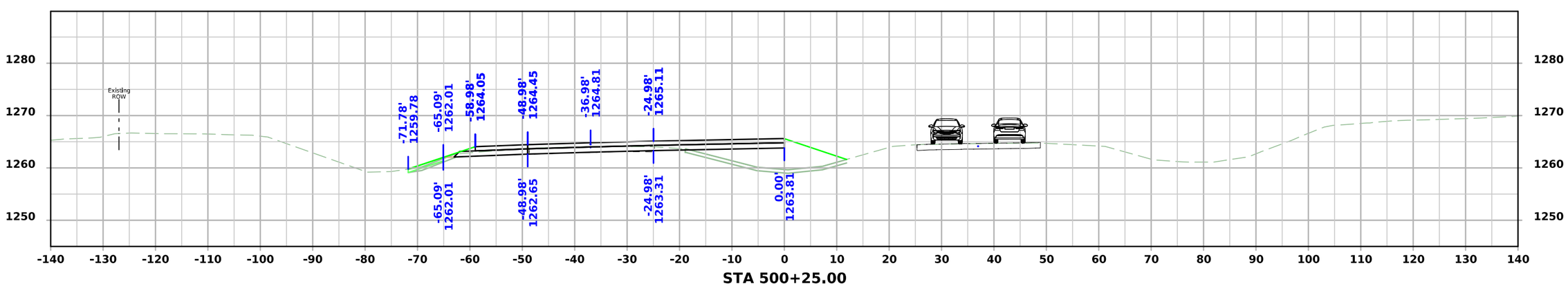
US 59 Stage 2



STA 500+75.00



STA 500+50.00

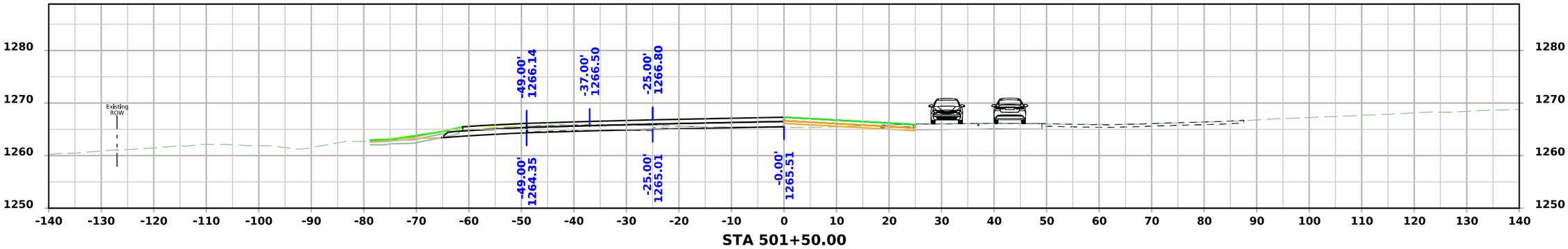


STA 500+25.00

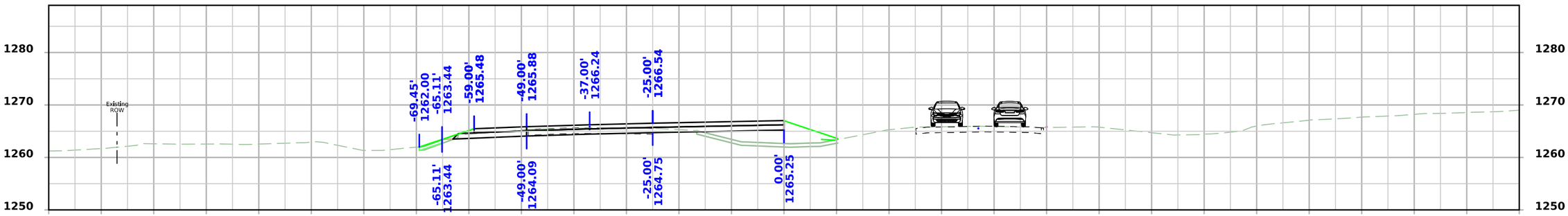
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2056

8:30:25 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_2_78059056Z06.dgn

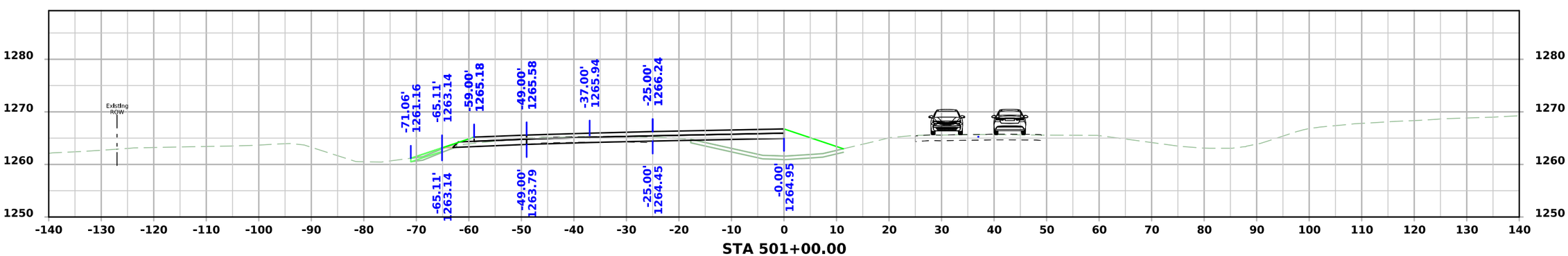
US 59 Stage 2



STA 501+50.00



STA 501+25.00

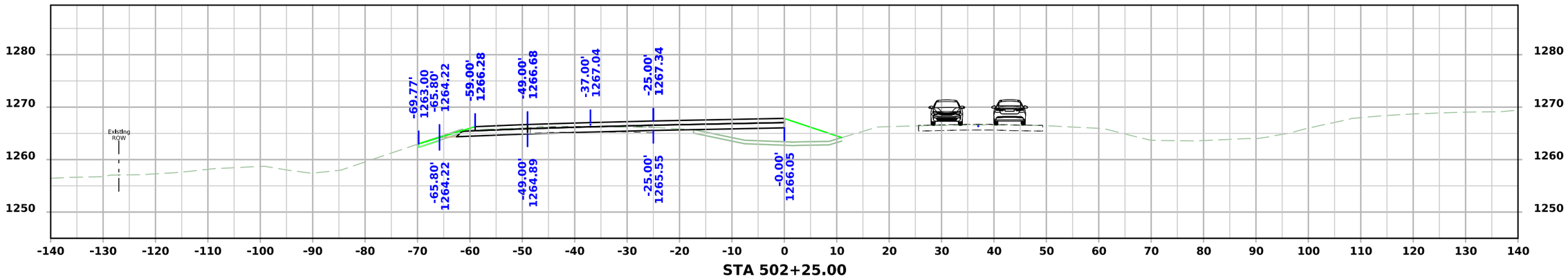


STA 501+00.00

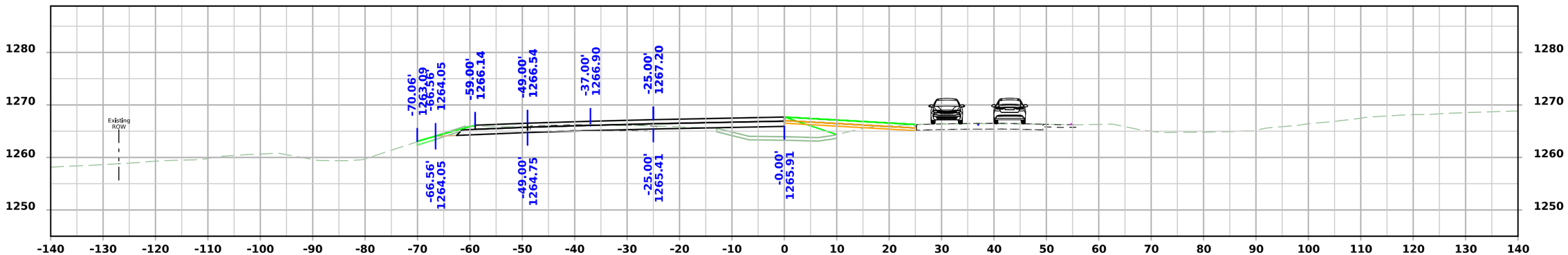
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2057

8:30:28 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_2_78059056Z06.dgn

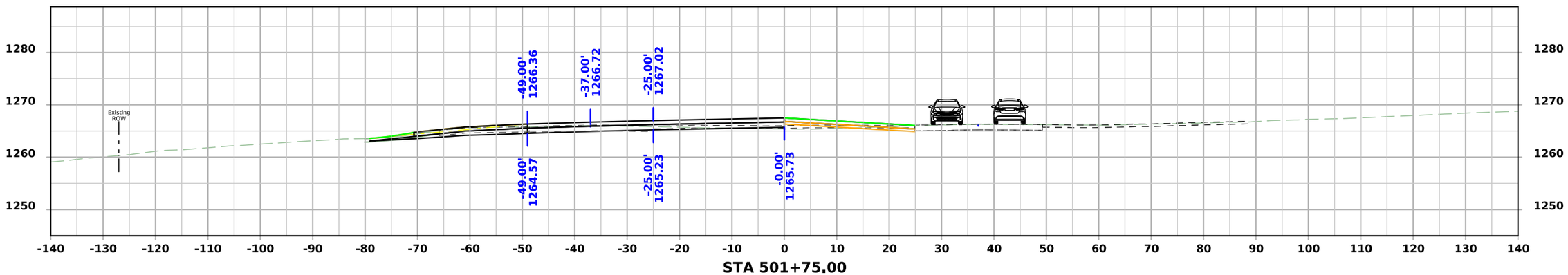
US 59 Stage 2



STA 502+25.00



STA 502+00.00

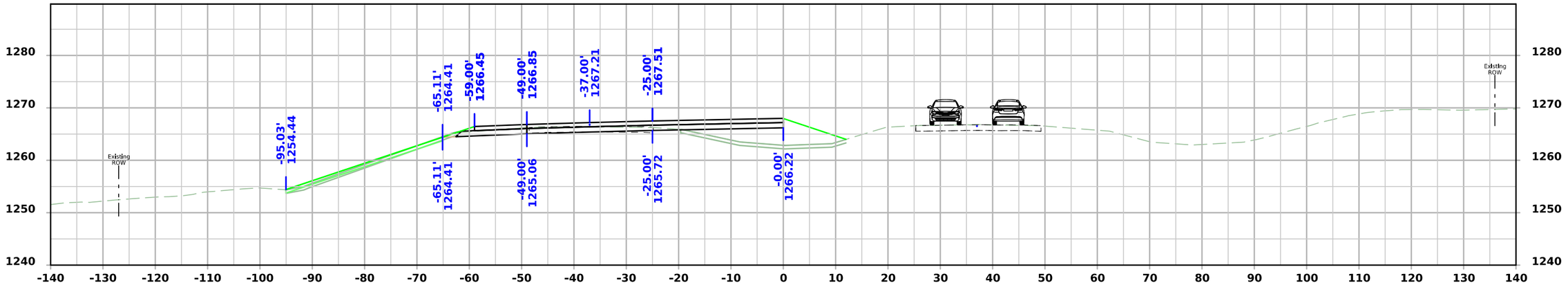


STA 501+75.00

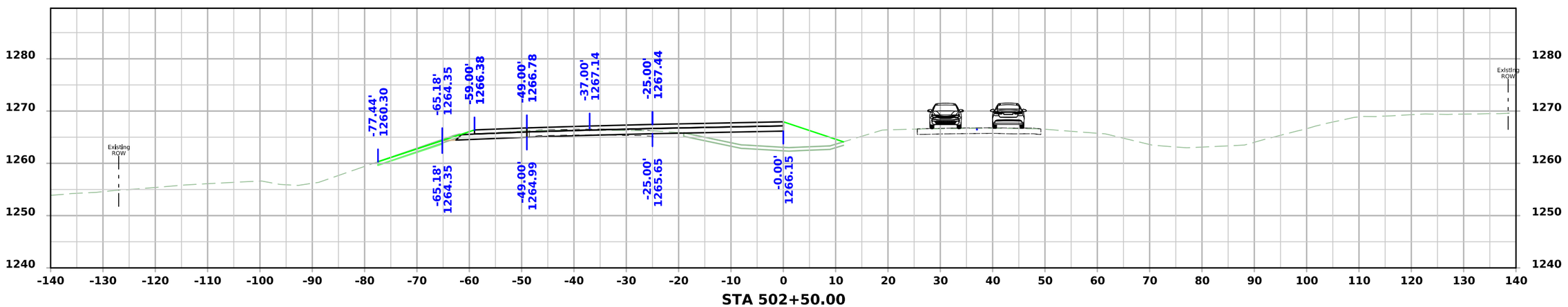
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2058

8:30:31 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_2_78059056Z06.dgn

US 59 Stage 2



STA 502+75.00

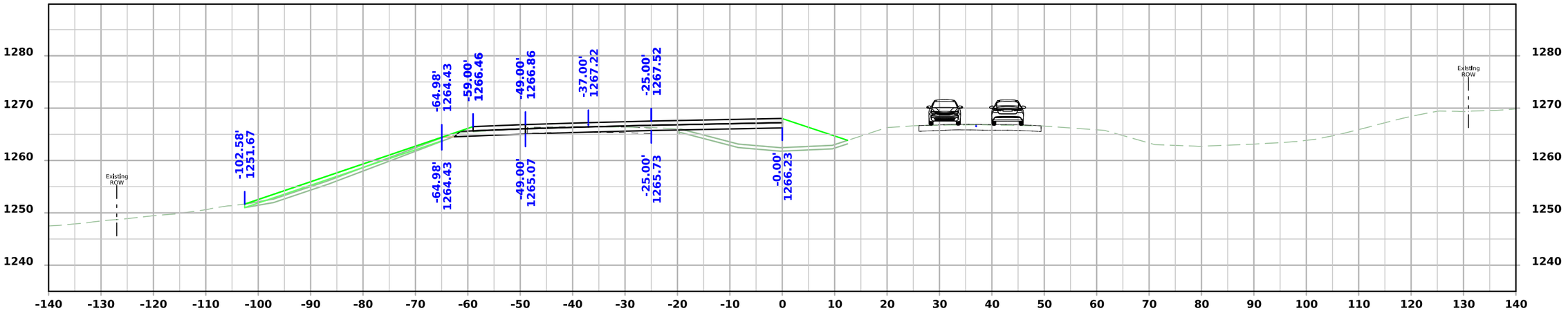


STA 502+50.00

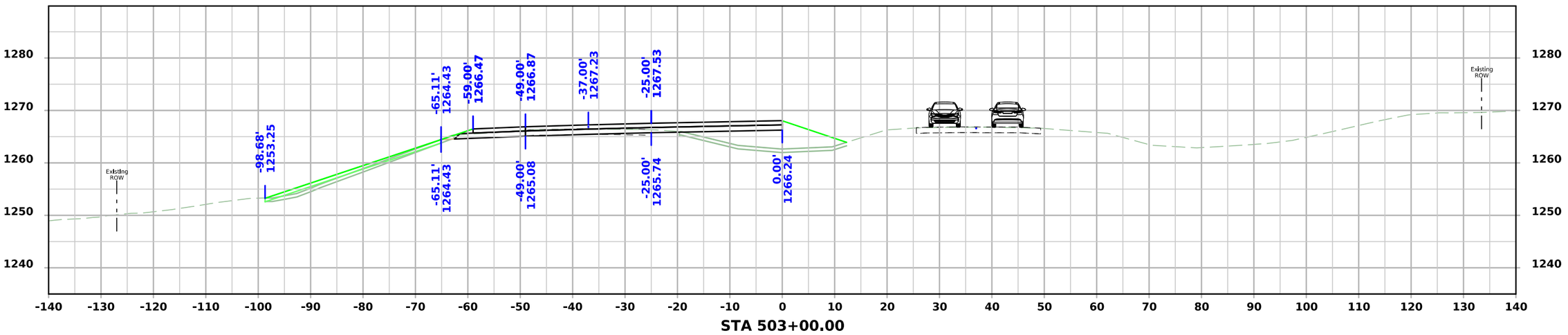
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2059

8:30:34 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_2_78059056Z06.dgn

US 59 Stage 2



STA 503+25.00

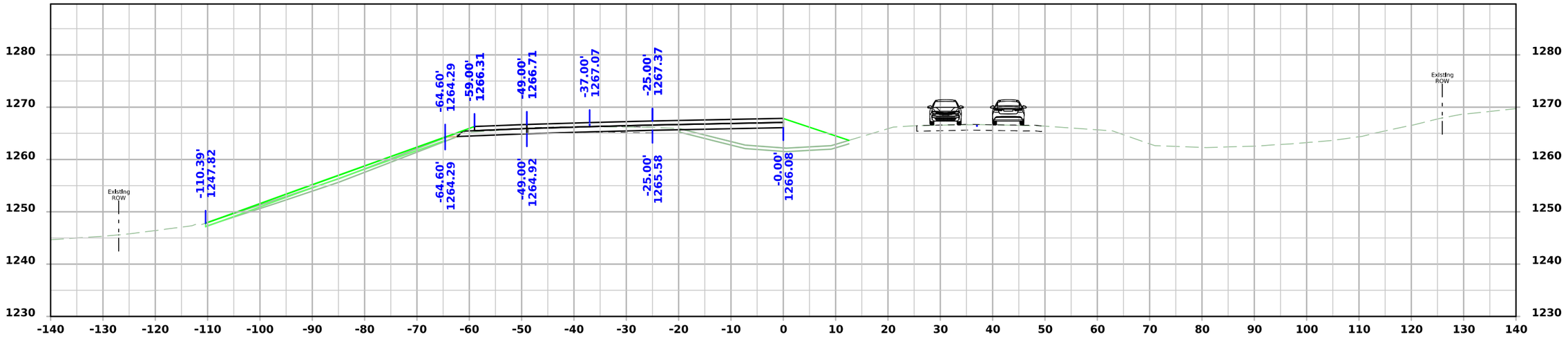


STA 503+00.00

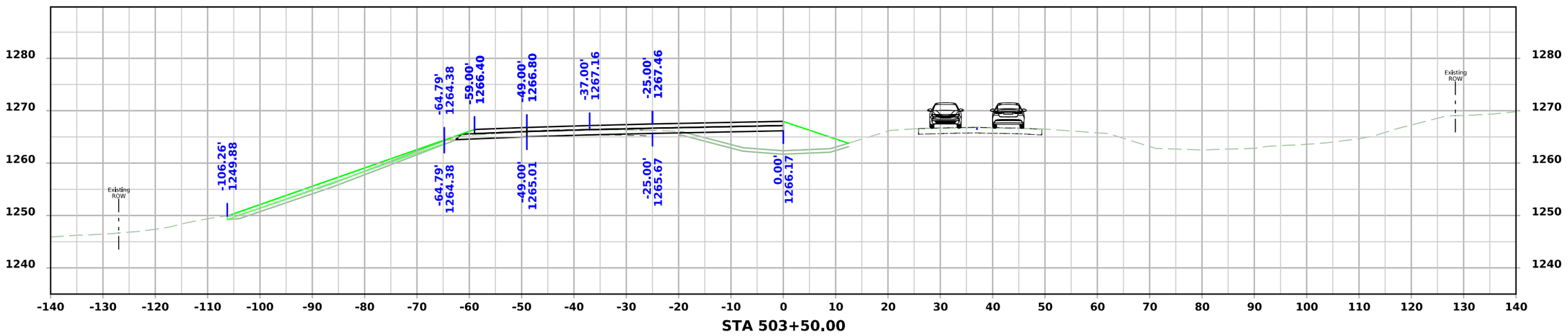
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2060

8:30:37 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_2_78059056Z06.dgn

US 59 Stage 2



STA 503+75.00

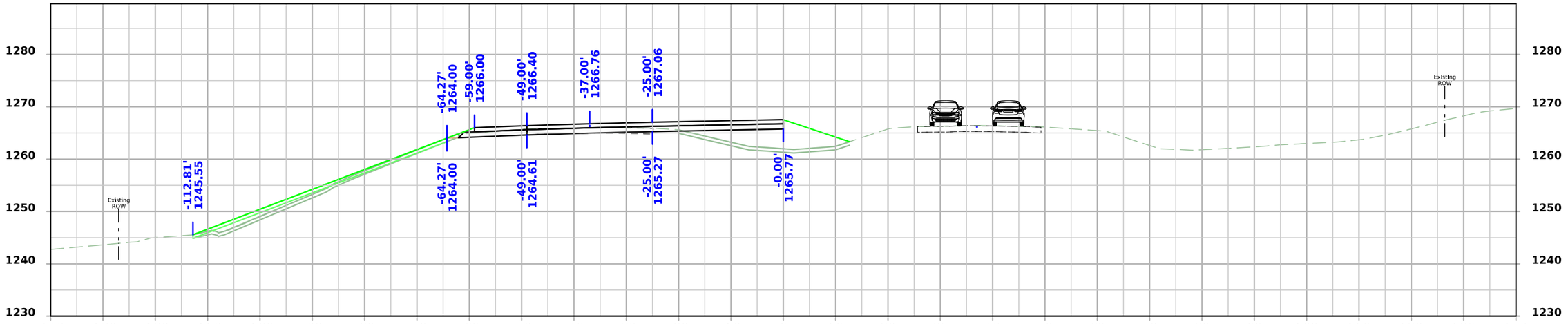


STA 503+50.00

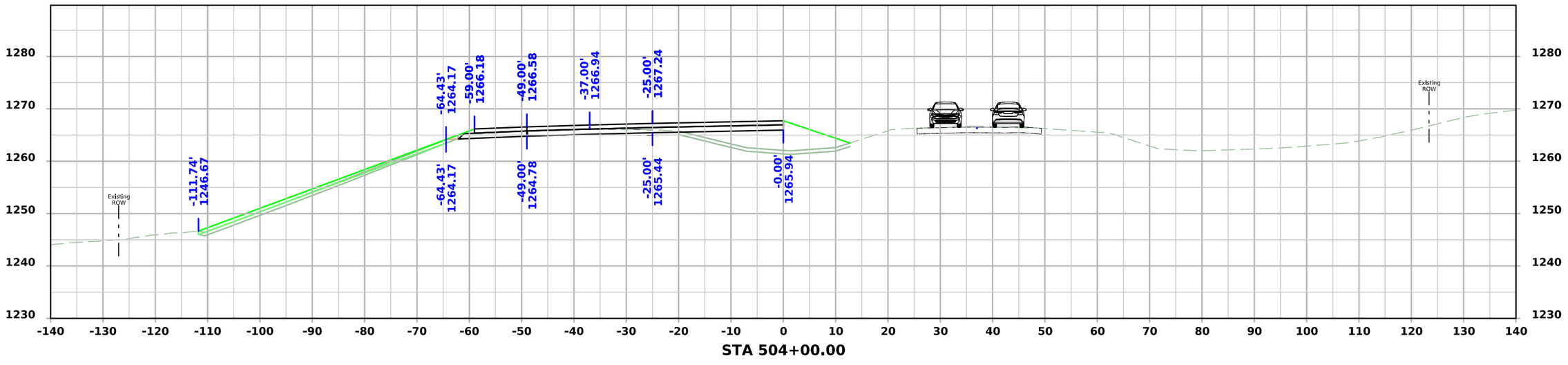
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2061

8:30:39 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_2_78059056Z06.dgn

US 59 Stage 2



STA 504+25.00

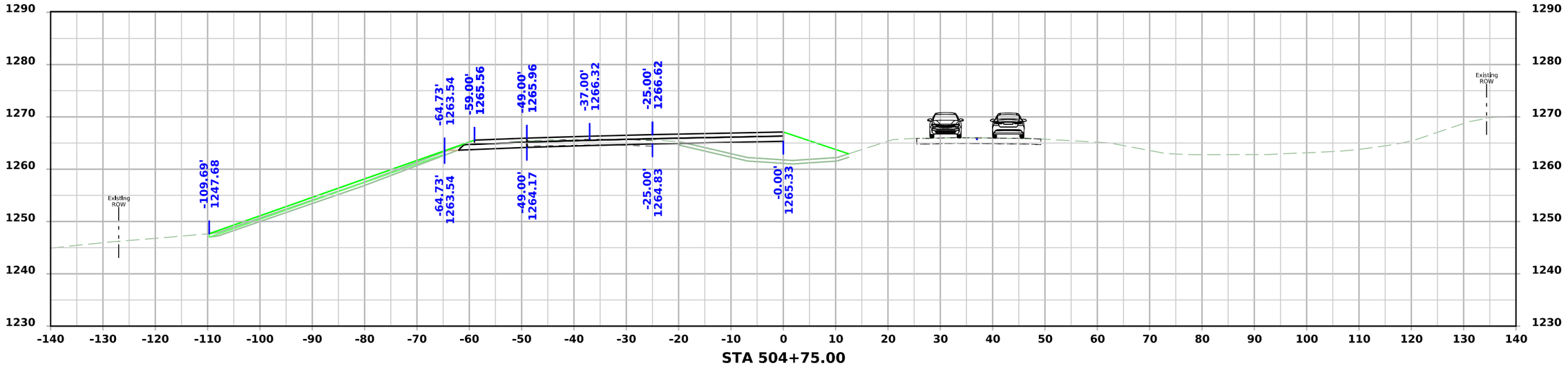


STA 504+00.00

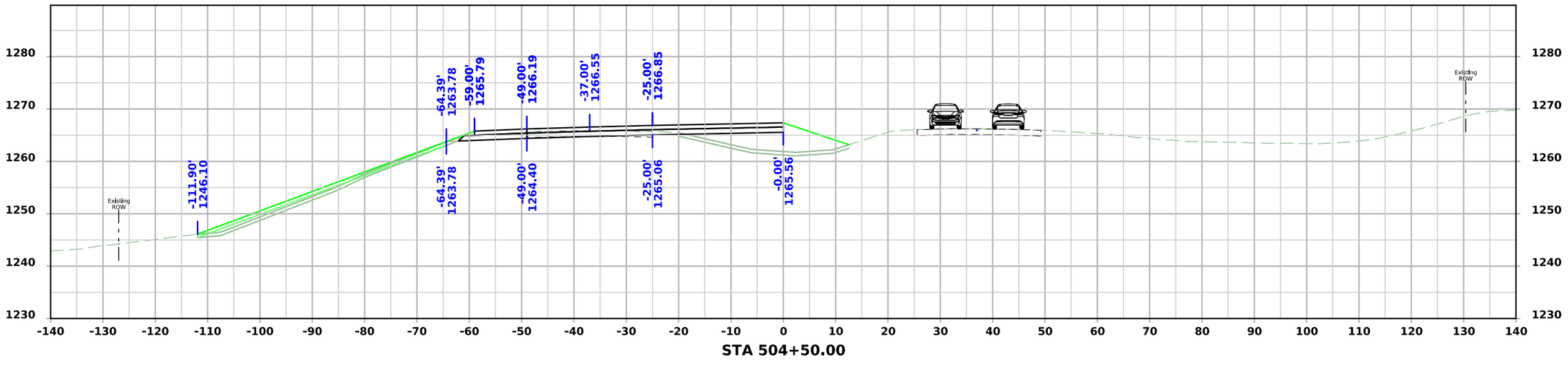
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2062

8:30:41 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_2_78059056Z06.dgn

US 59 Stage 2



STA 504+75.00

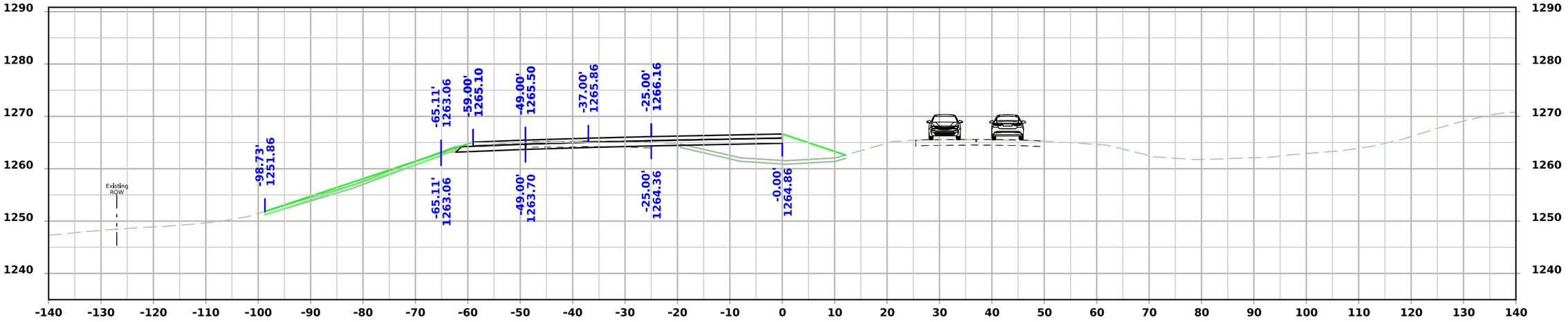


STA 504+50.00

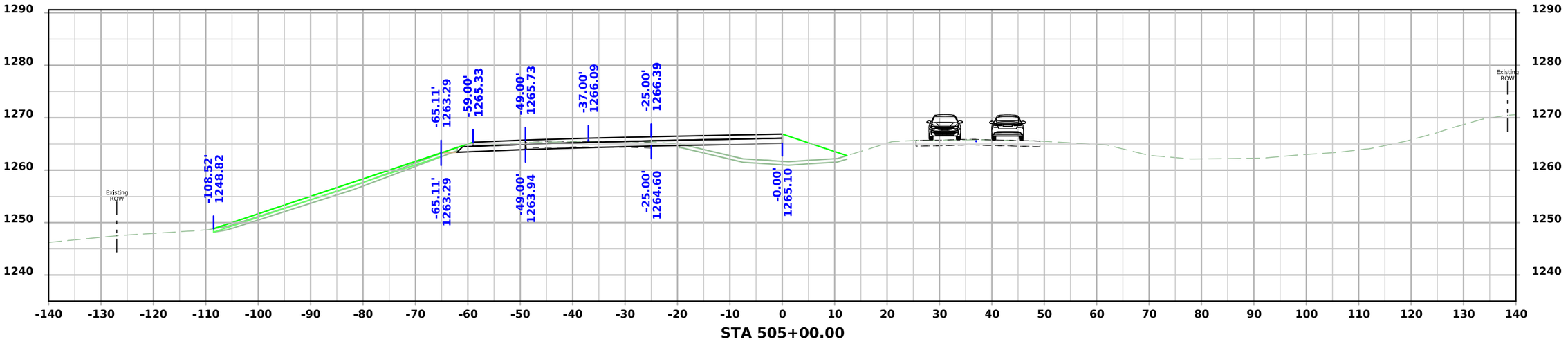
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2063

8:30:44 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_2_78059056Z06.dgn

US 59 Stage 2



STA 505+25.00

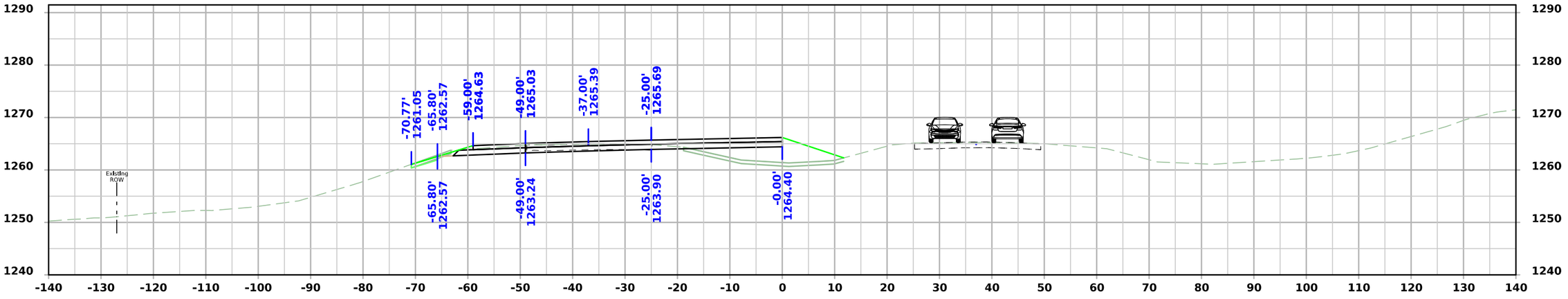


STA 505+00.00

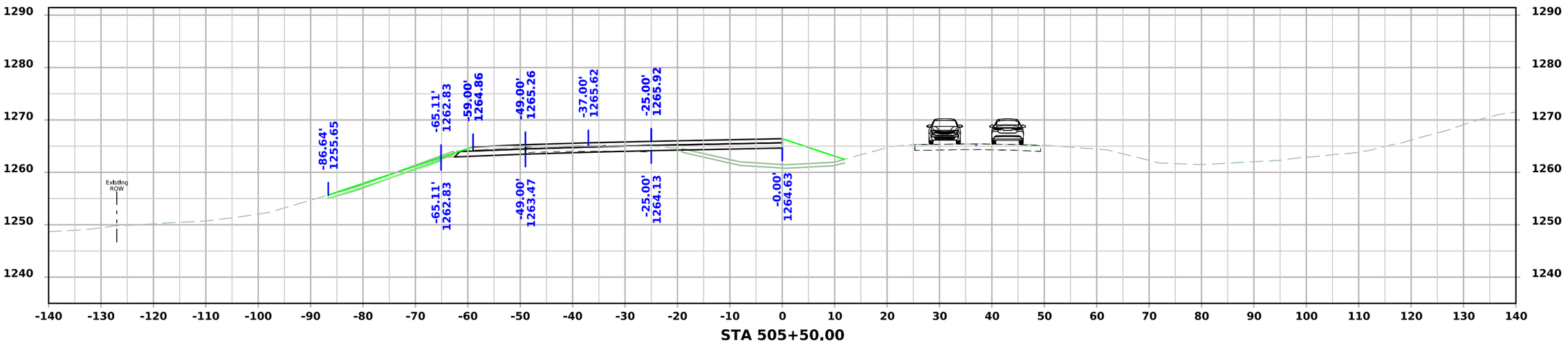
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2064

8:30:46 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_2_78059056Z06.dgn

US 59 Stage 2



STA 505+75.00

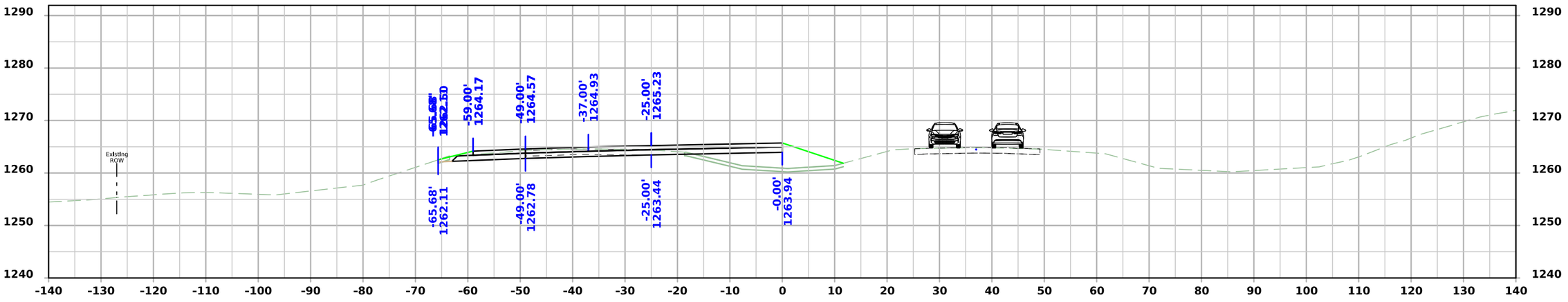


STA 505+50.00

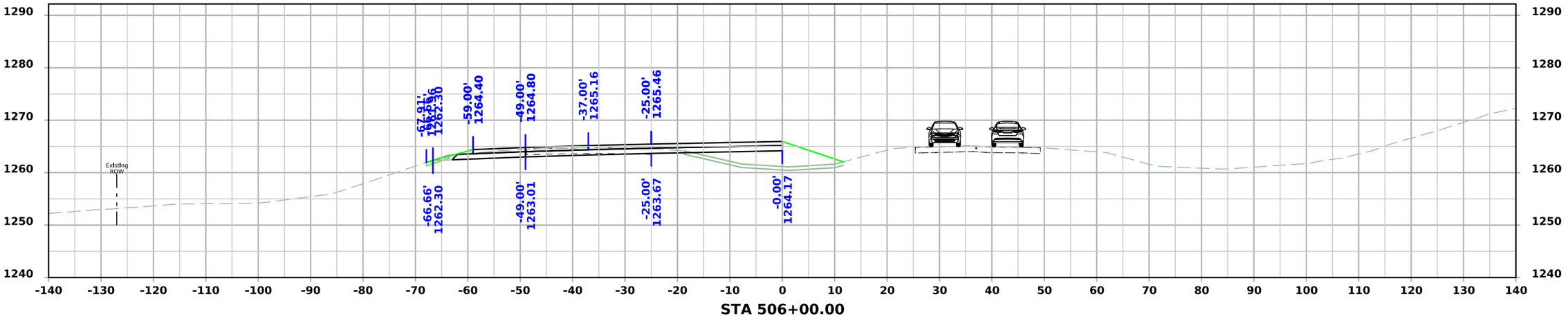
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2065

8:30:49 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_2_78059056Z06.dgn

US 59 Stage 2



STA 506+25.00

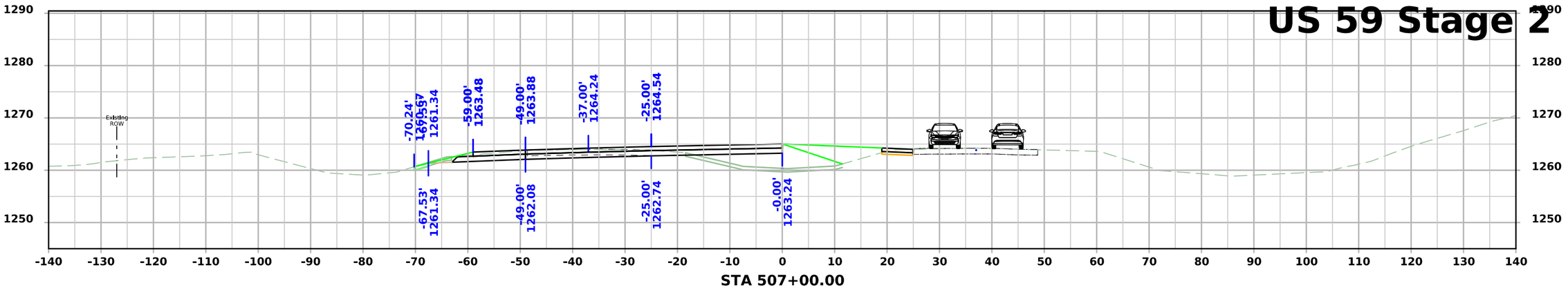


STA 506+00.00

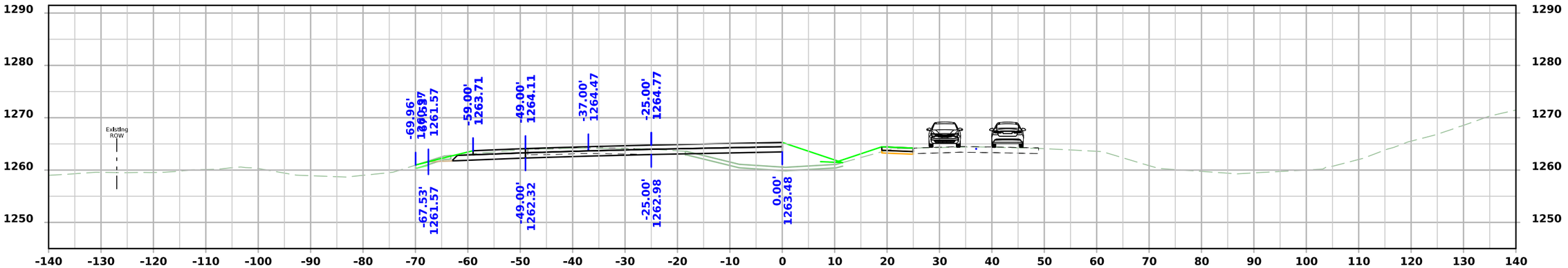
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2066

8:30:51 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_2_78059056Z06.dgn

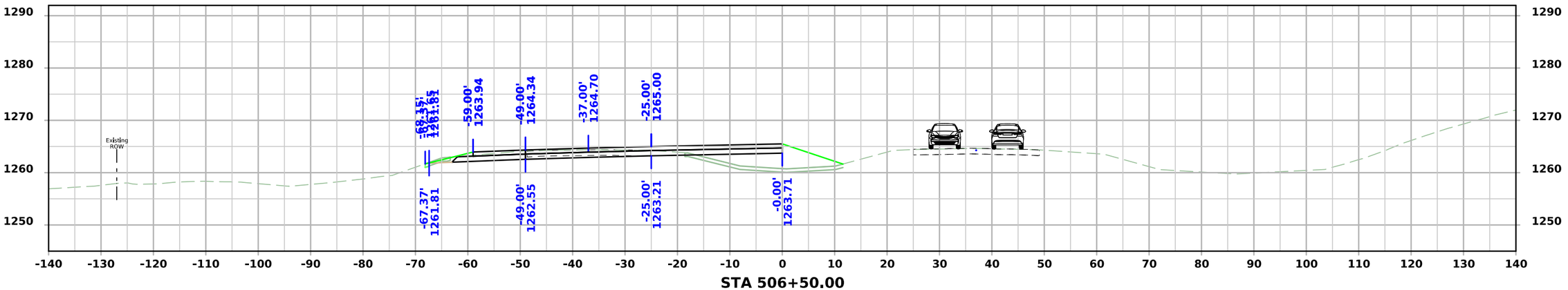
US 59 Stage 2



STA 507+00.00



STA 506+75.00

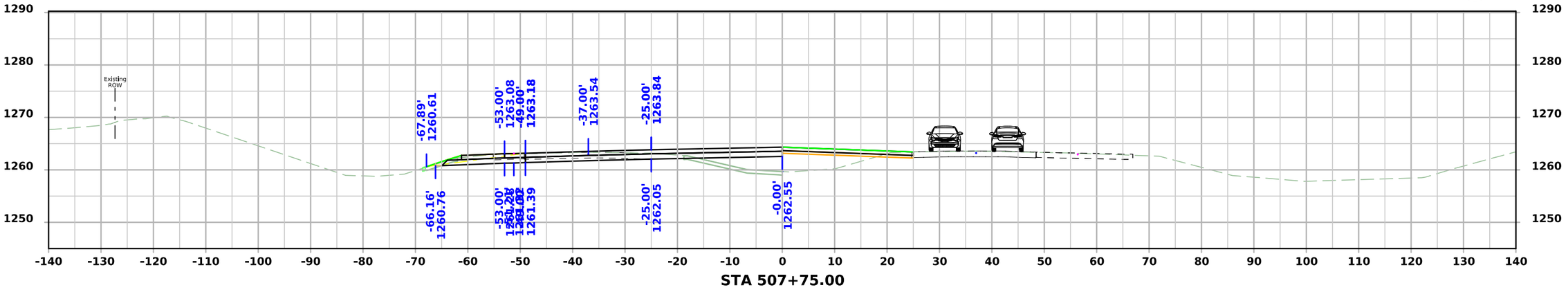


STA 506+50.00

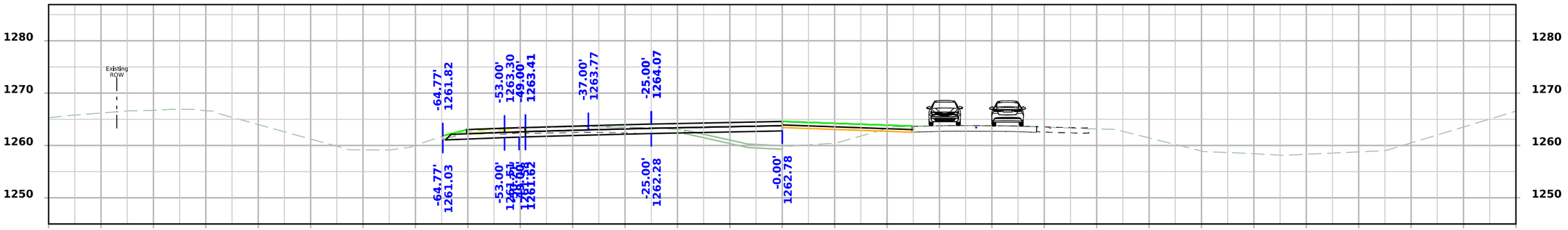
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2067

8:30:54 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_2_78059056Z06.dgn

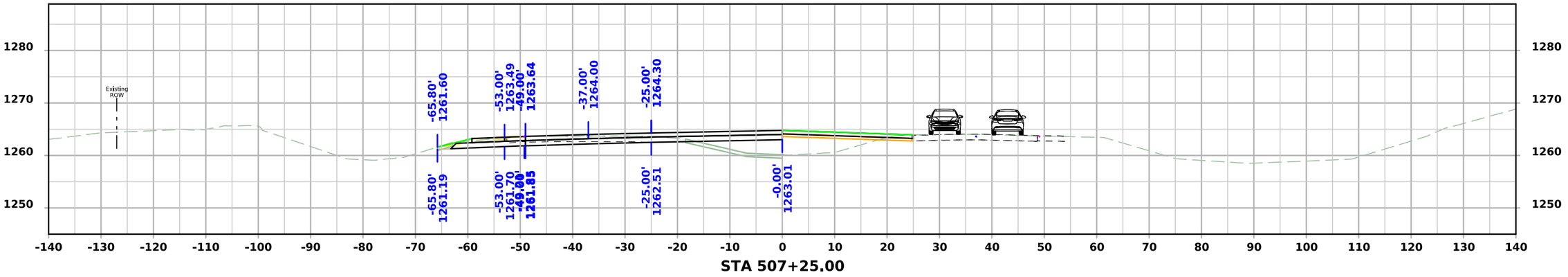
US 59 Stage 2



STA 507+75.00



STA 507+50.00

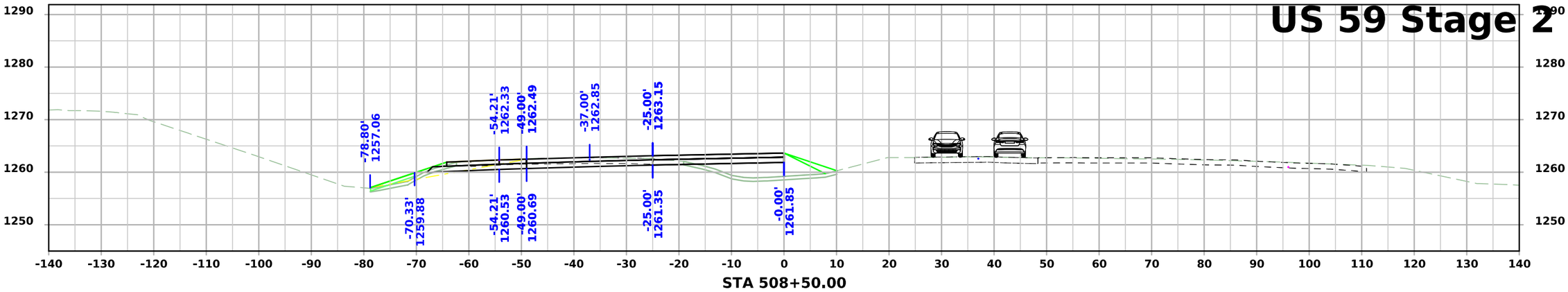


STA 507+25.00

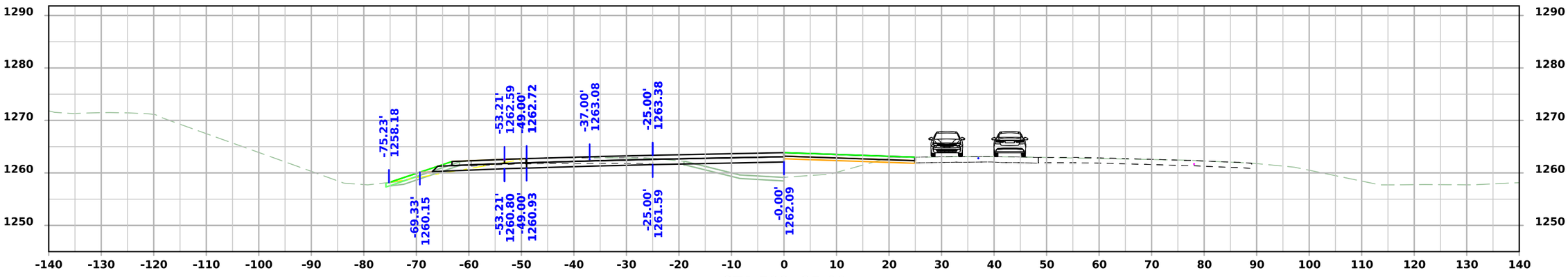
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2068

8:30:58 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_2_78059056Z06.dgn

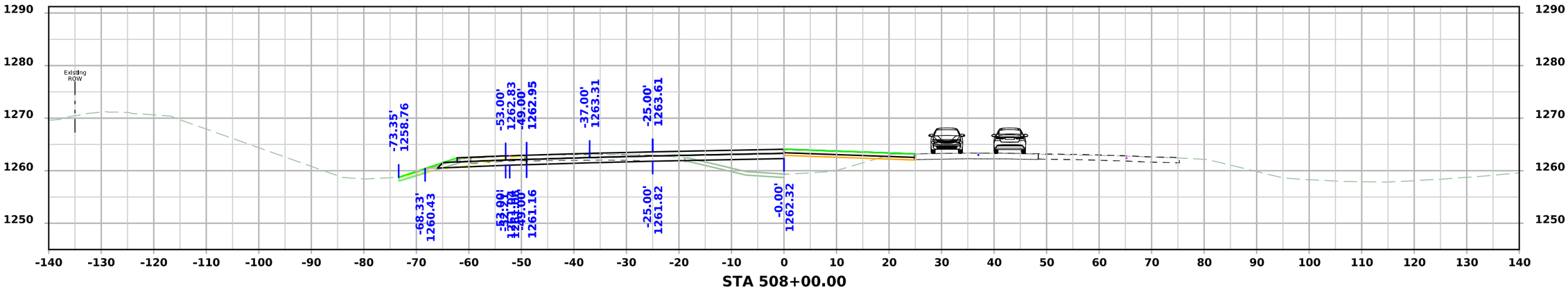
US 59 Stage 2



STA 508+50.00



STA 508+25.00

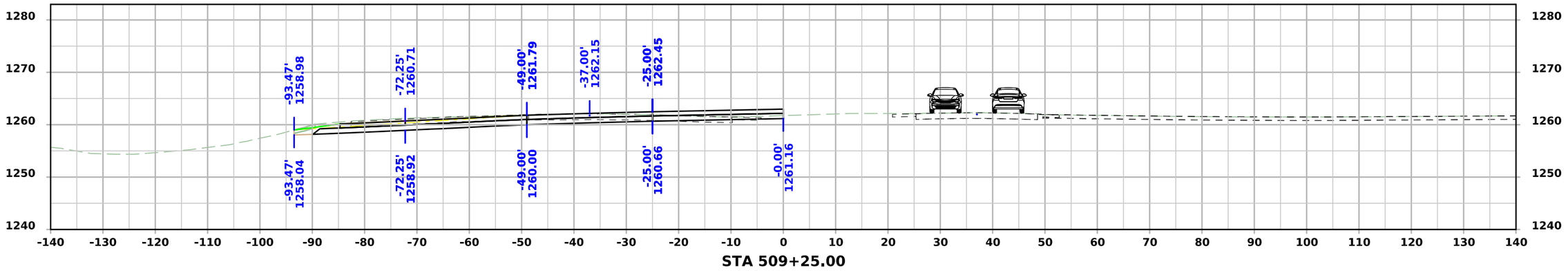


STA 508+00.00

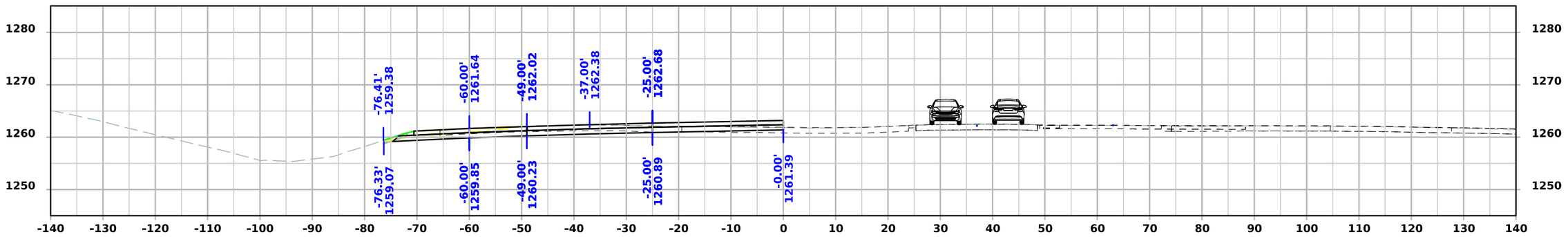
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2069

8:31:01 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_2_78059056Z06.dgn

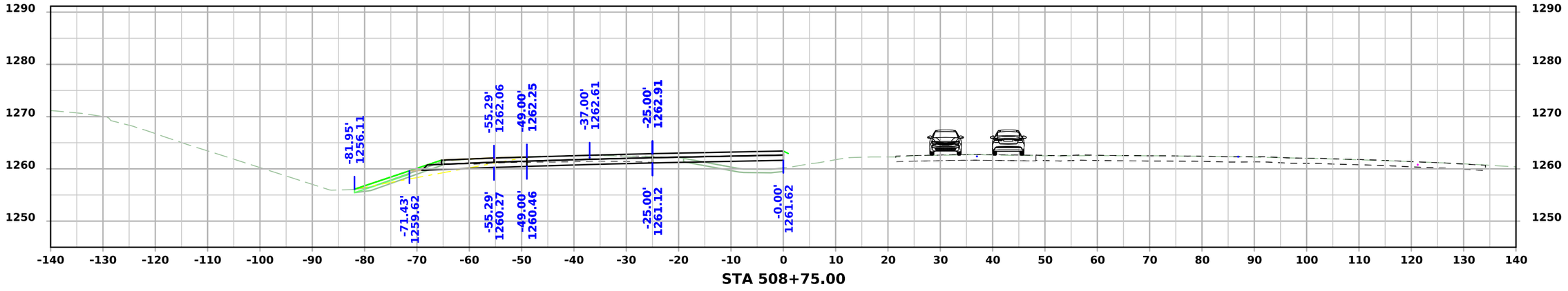
US 59 Stage 2



STA 509+25.00



STA 509+00.00

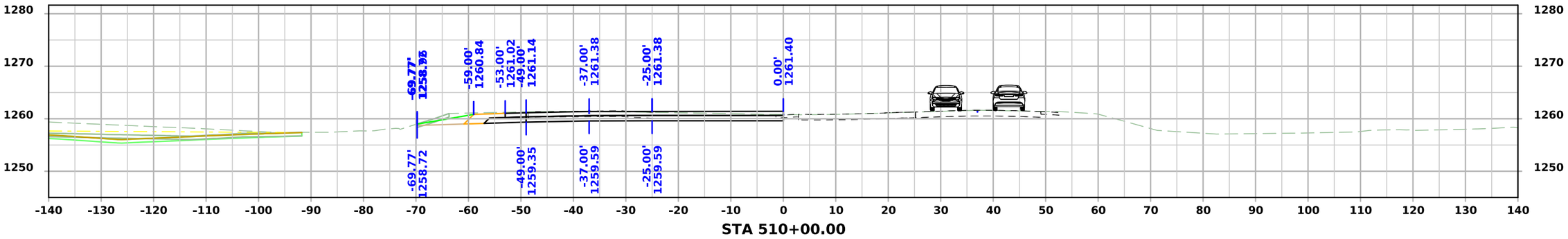


STA 508+75.00

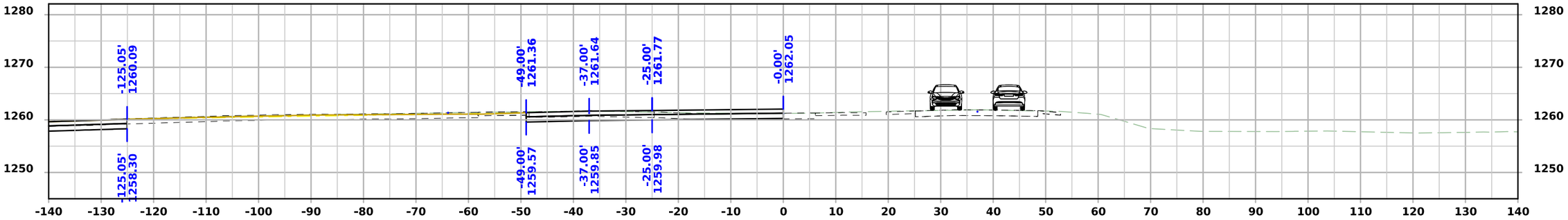
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2070

8:31:05 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_2_78059056Z06.dgn

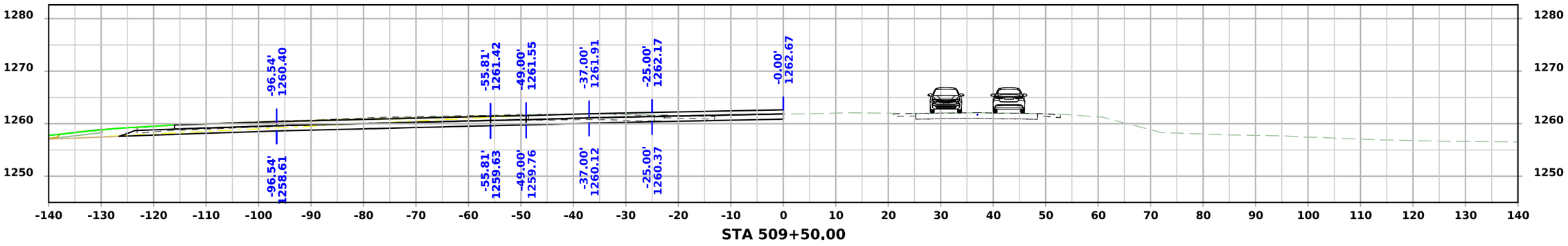
US 59 Stage 2



STA 510+00.00



STA 509+75.00

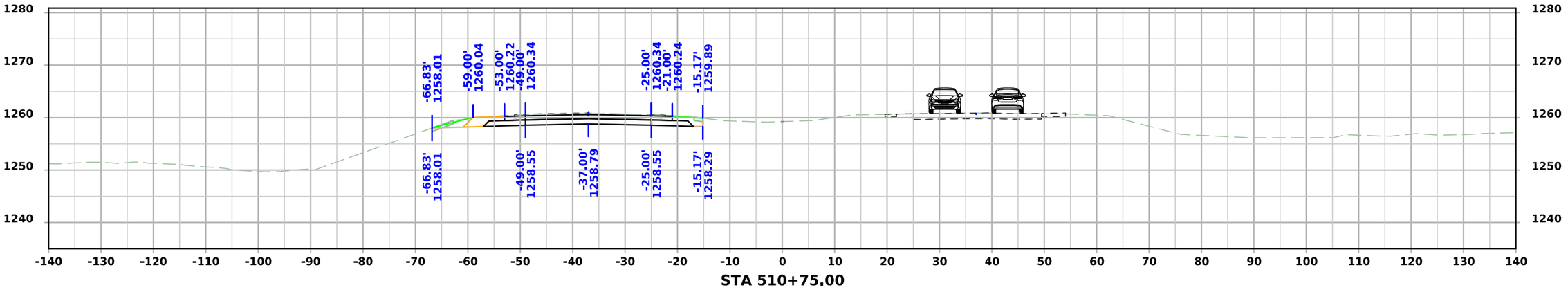


STA 509+50.00

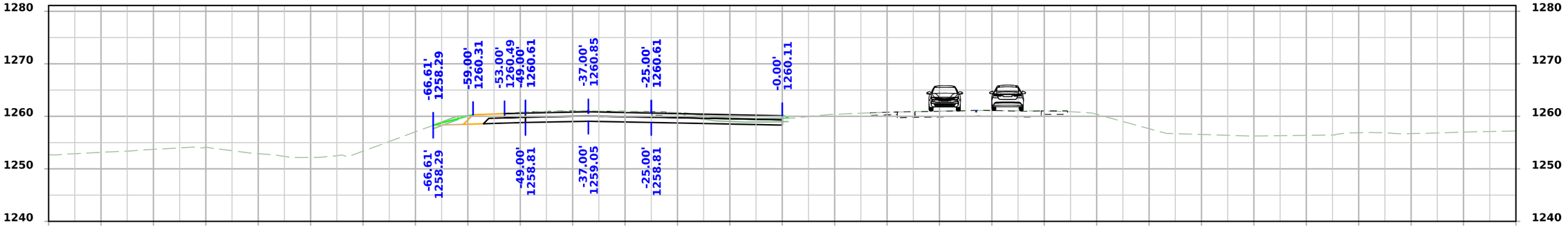
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2071

8:31:08 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_2_78059056Z06.dgn

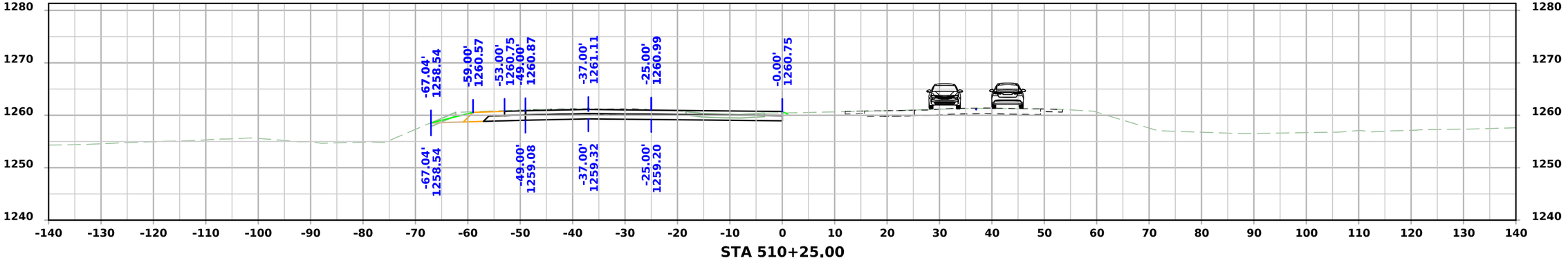
US 59 Stage 2



STA 510+75.00



STA 510+50.00

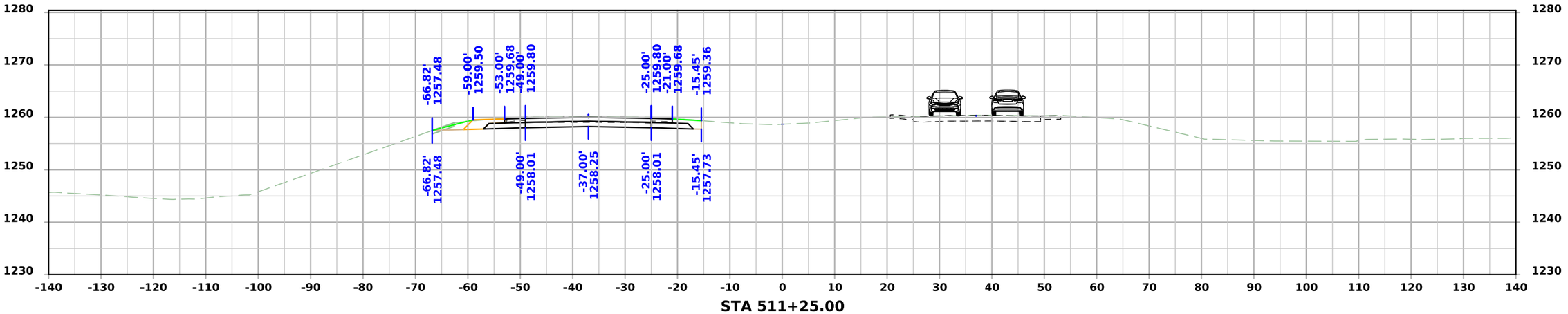


STA 510+25.00

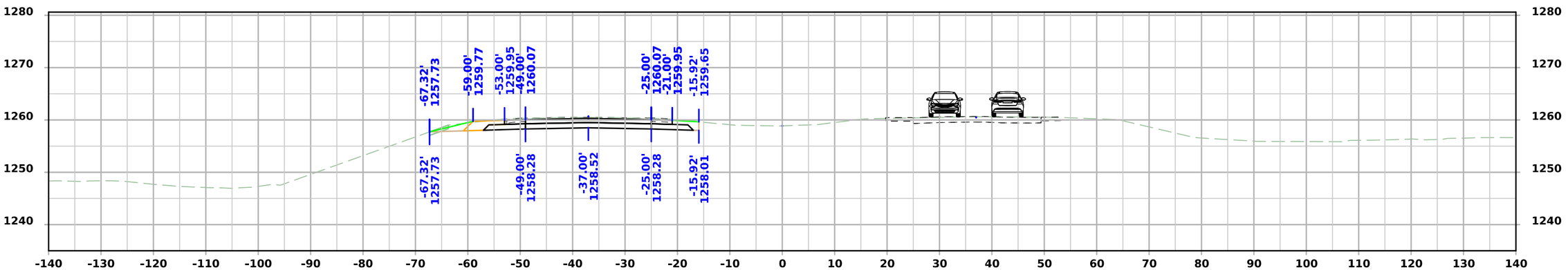
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2072

8:31:11 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_2_78059056Z06.dgn

US 59 Stage 2



STA 511+25.00

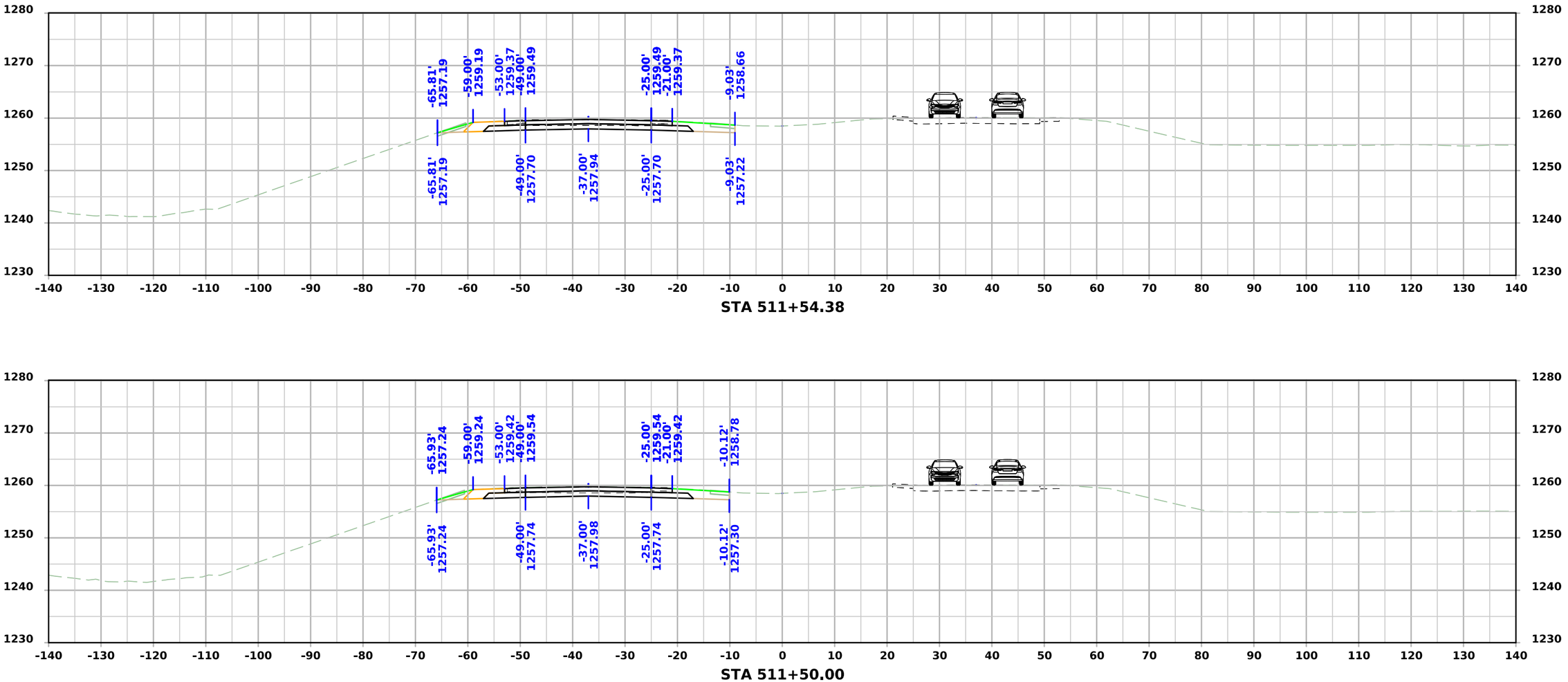


STA 511+00.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2073

8:31:14 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_2_78059056Z06.dgn

US 59 Stage 2



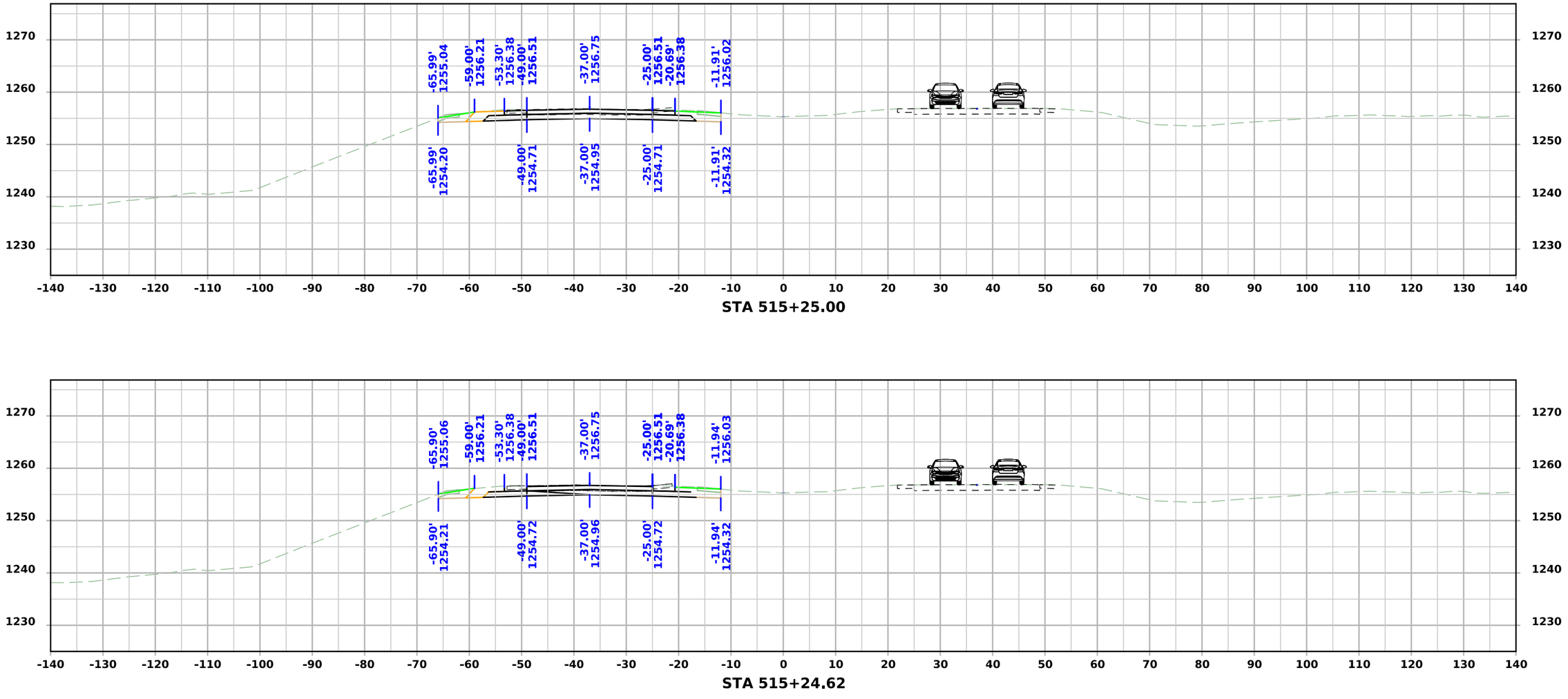
STA 511+54.38

STA 511+50.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2074

8:31:16 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000S_2_78059056Z06.dgn

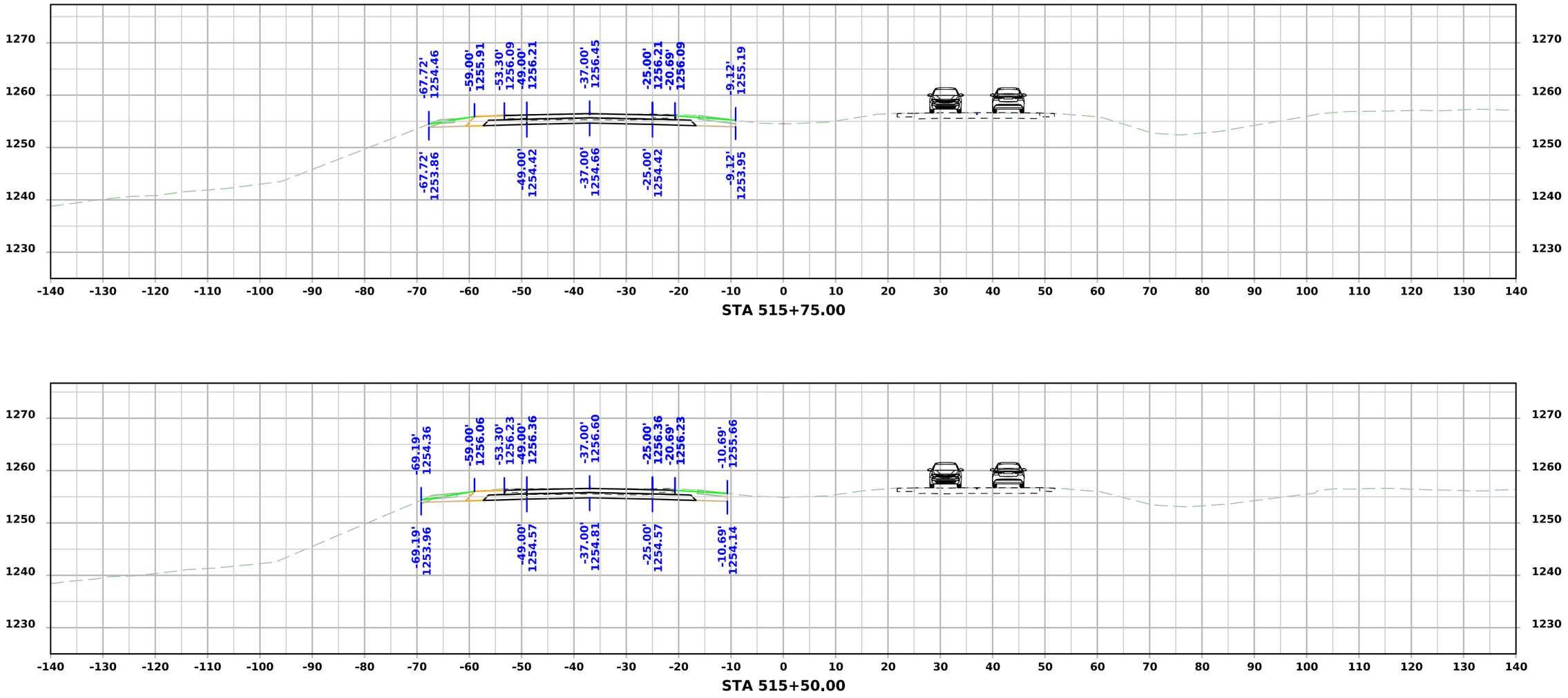
US 59 Stage 2



FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2075

8:31:33 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_1_78059056Z06.dgn

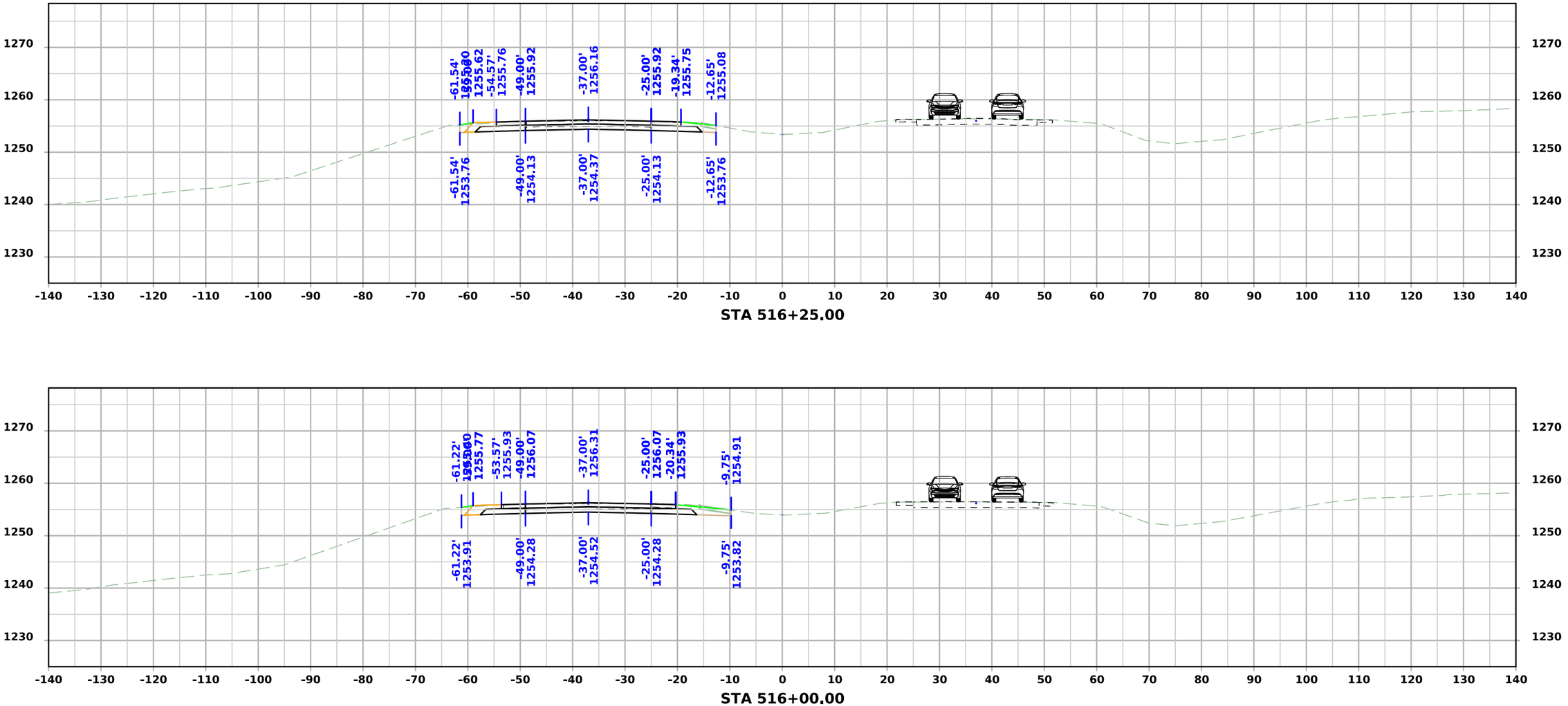
US 59 Stage 2



FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2076

8:31:36 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_1_78059056Z06.dgn

US 59 Stage 2



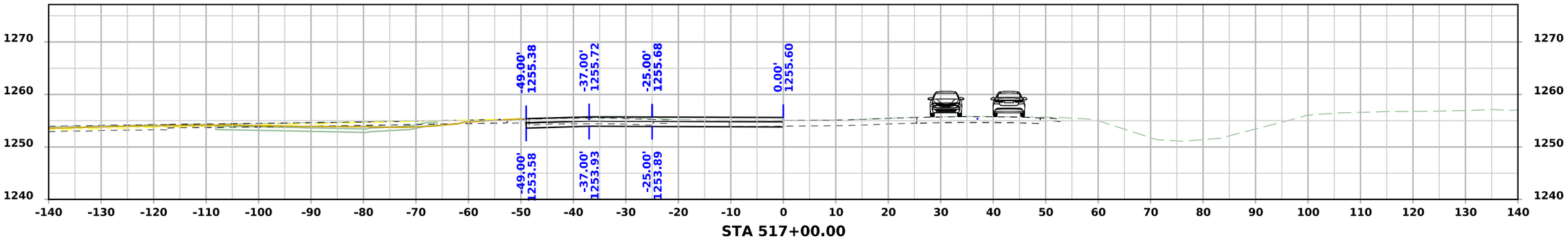
STA 516+25.00

STA 516+00.00

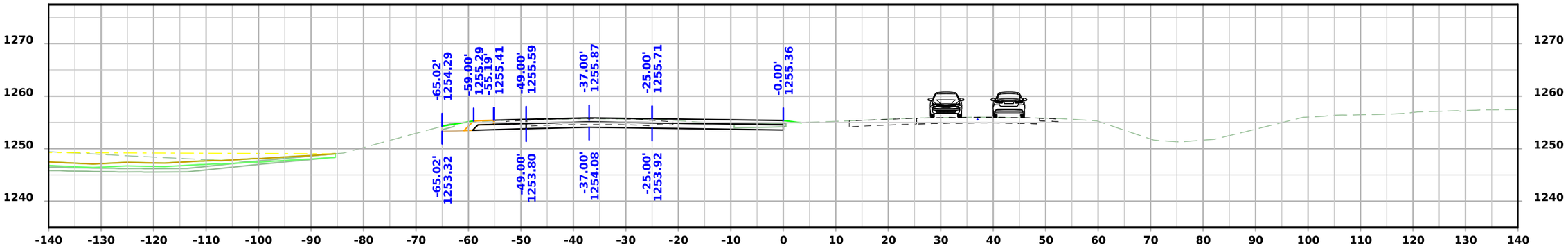
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2077

8:31:39 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_1_78059056Z06.dgn

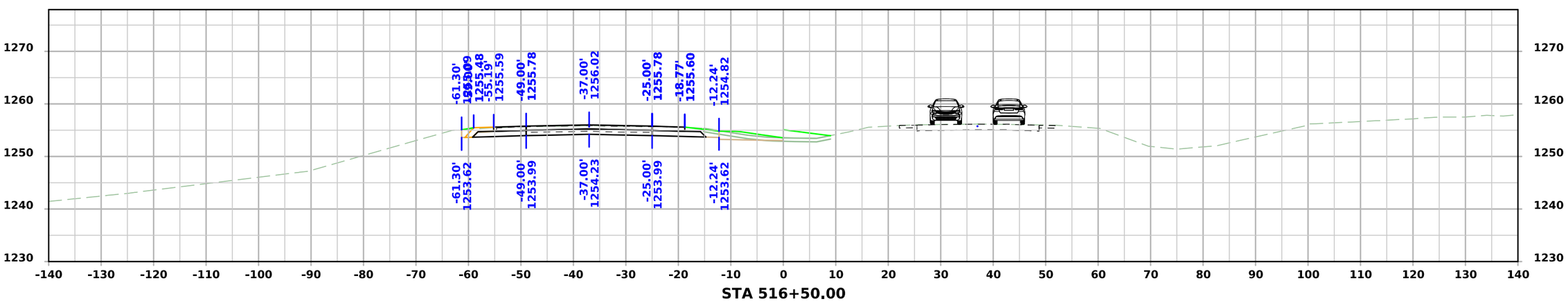
US 59 Stage 2



STA 517+00.00



STA 516+75.00

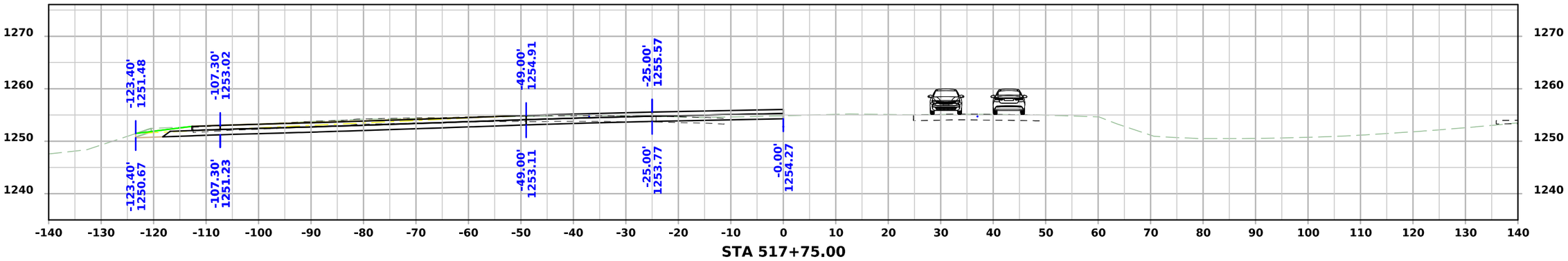


STA 516+50.00

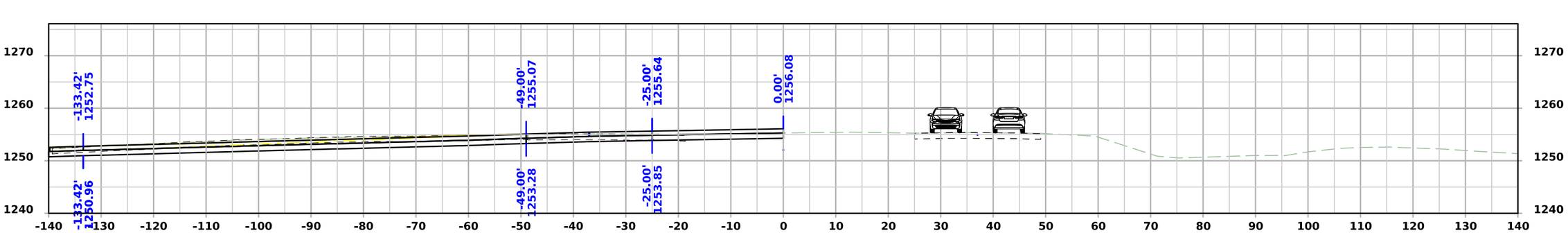
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2078

8:31:43 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_1_78059056Z06.dgn

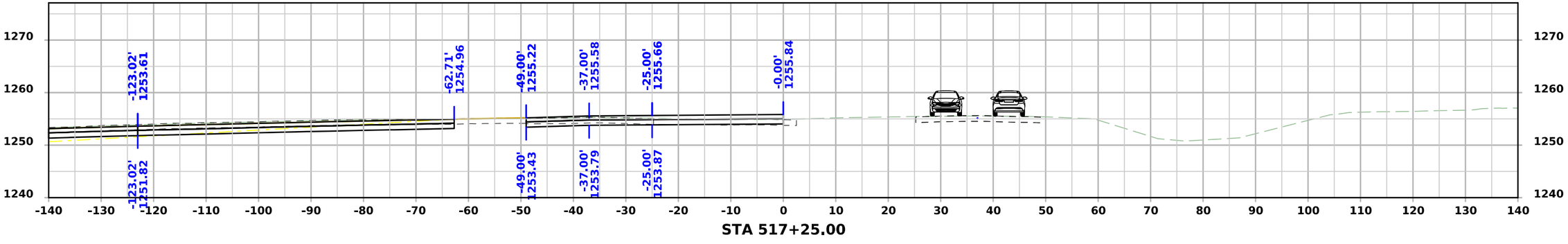
US 59 Stage 2



STA 517+75.00



STA 517+50.00

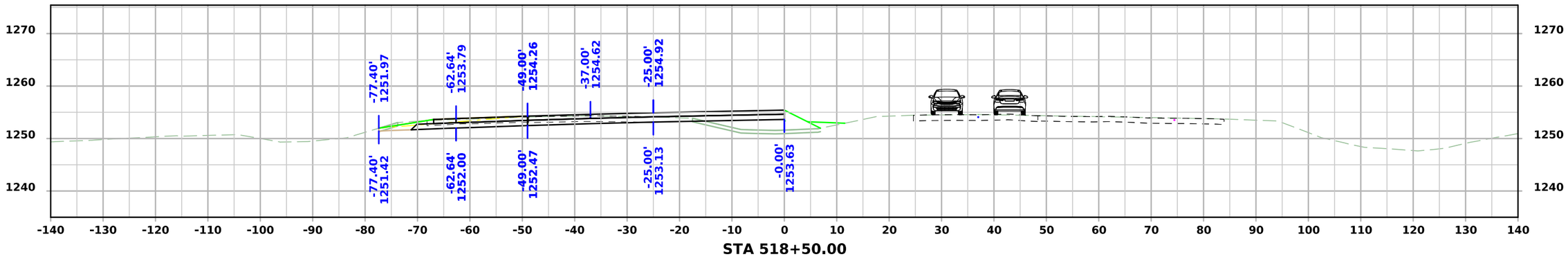


STA 517+25.00

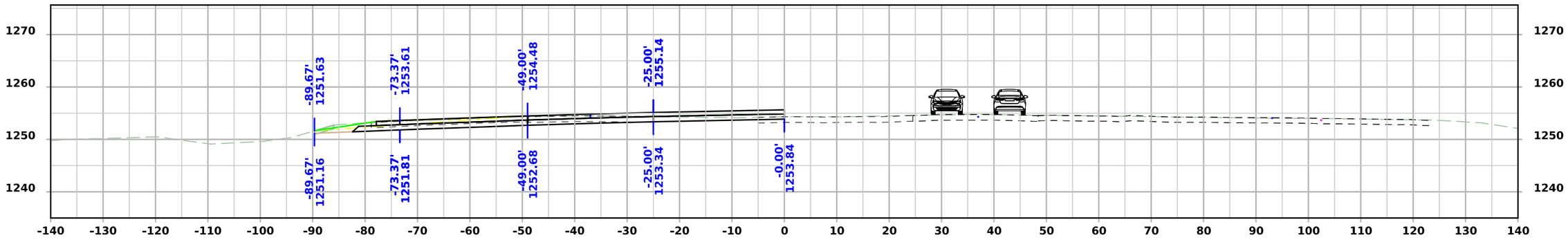
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2079

8:31:47 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_1_78059056Z06.dgn

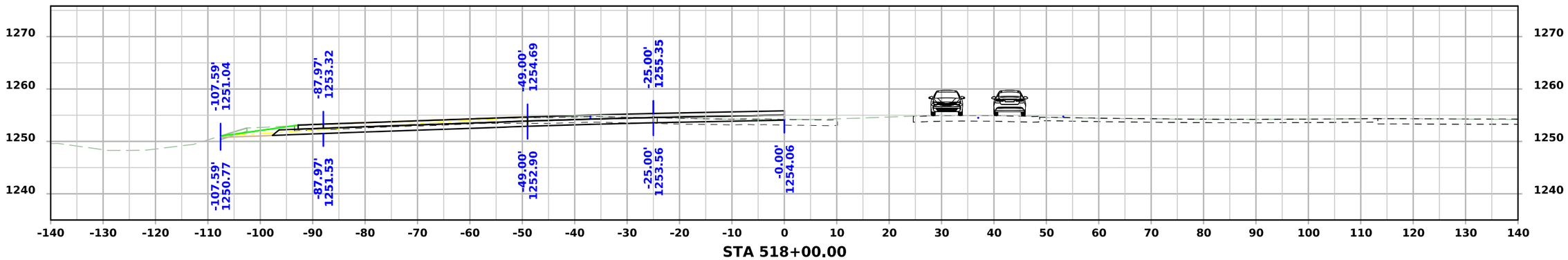
US 59 Stage 2



STA 518+50.00



STA 518+25.00

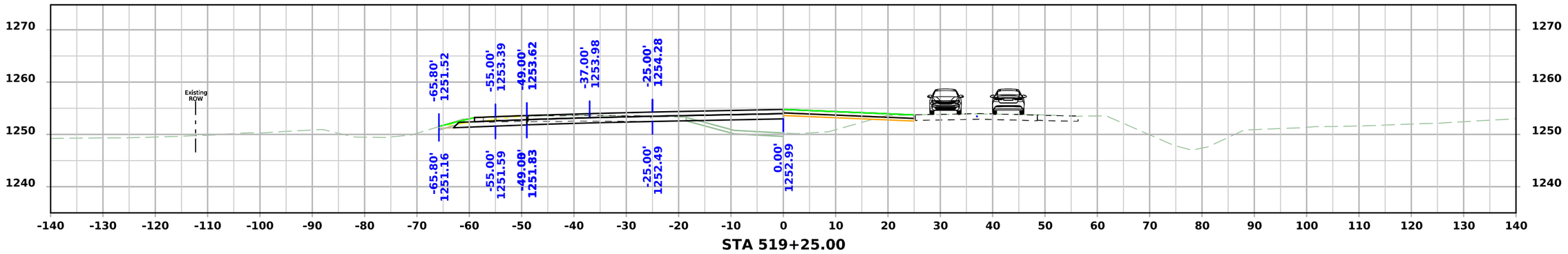


STA 518+00.00

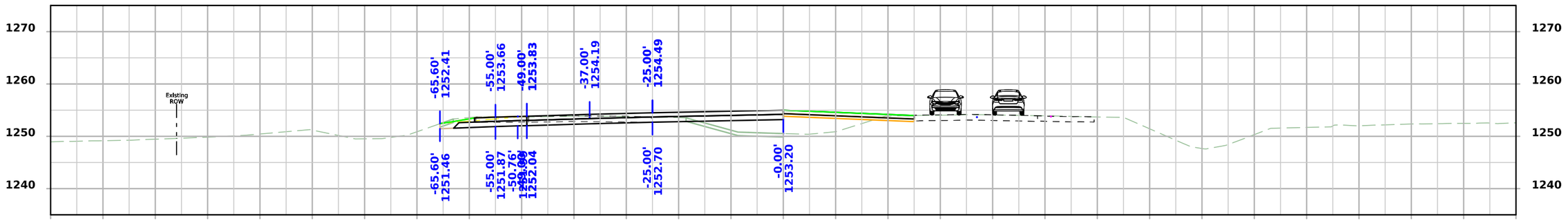
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2080

8:31:51 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_1_78059056Z06.dgn

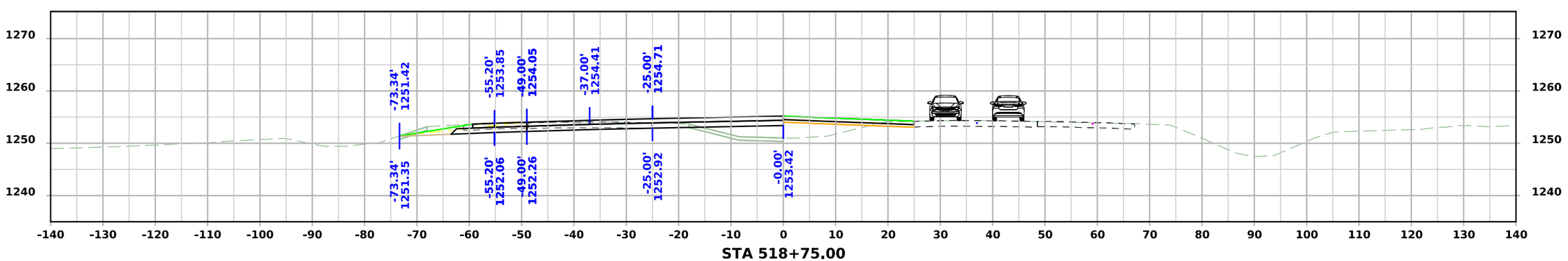
US 59 Stage 2



STA 519+25.00



STA 519+00.00

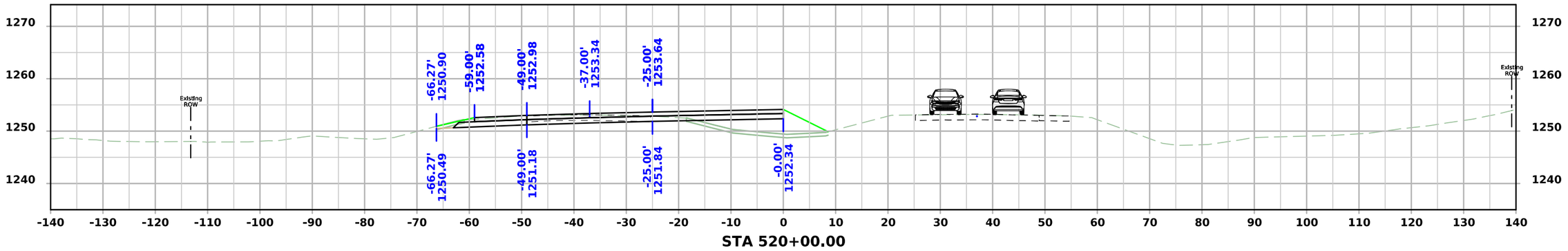


STA 518+75.00

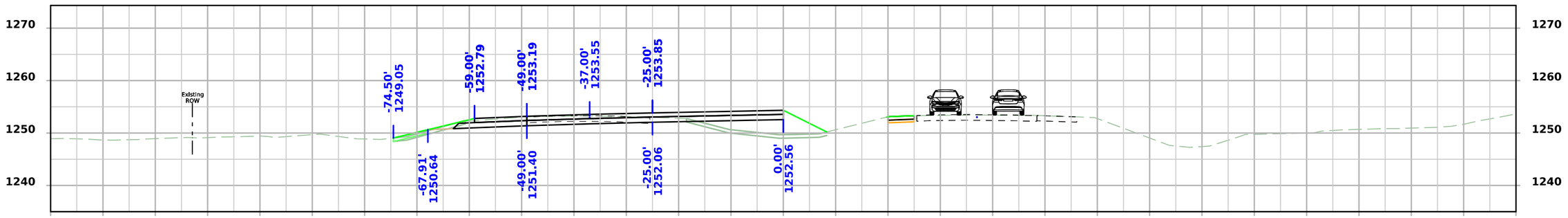
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2081

8:31:55 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_1_78059056Z06.dgn

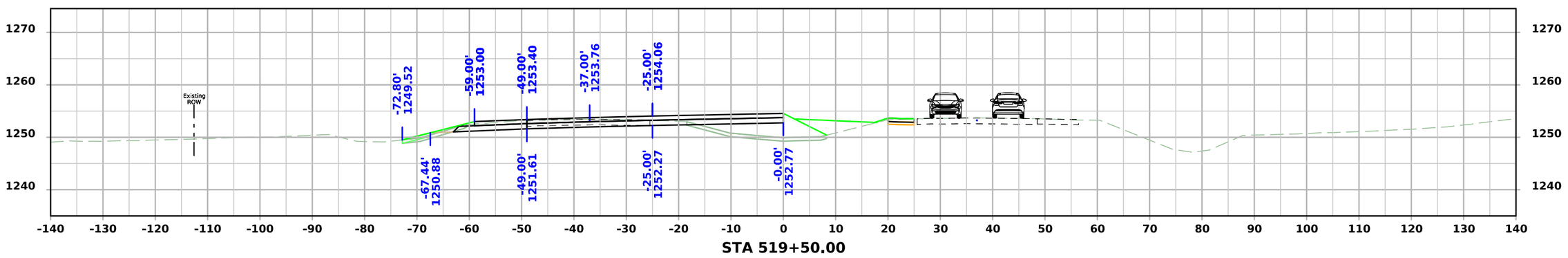
US 59 Stage 2



STA 520+00.00



STA 519+75.00

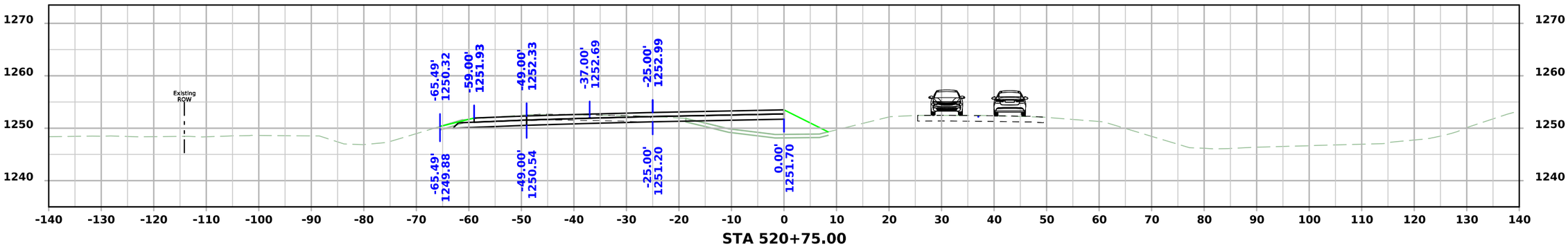


STA 519+50.00

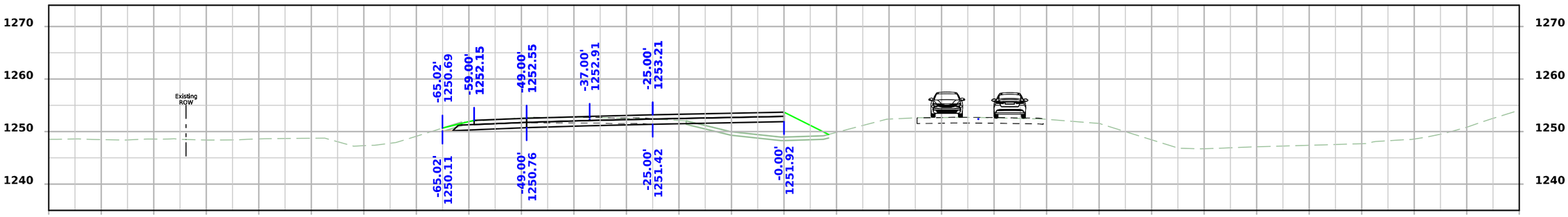
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2082

8:31:59 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_1_78059056Z06.dgn

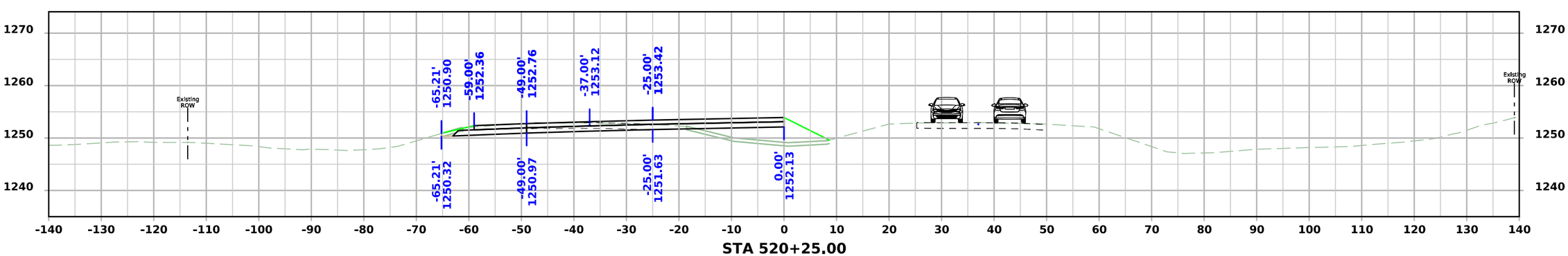
US 59 Stage 2



STA 520+75.00



STA 520+50.00

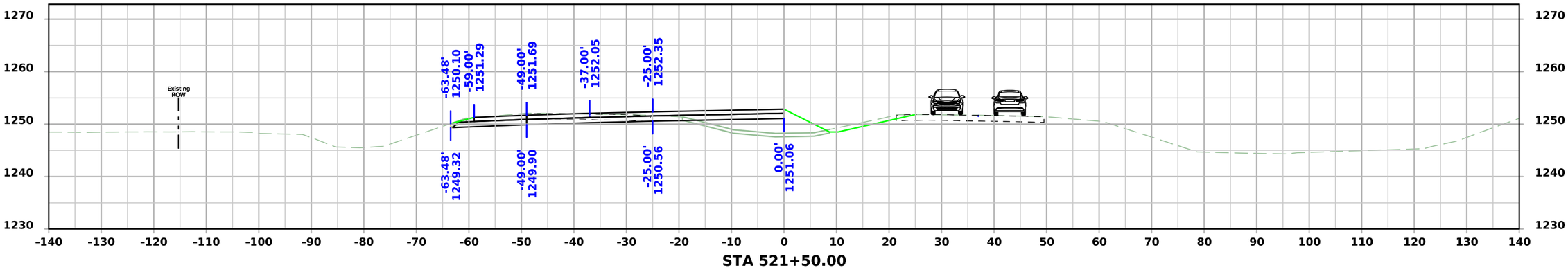


STA 520+25.00

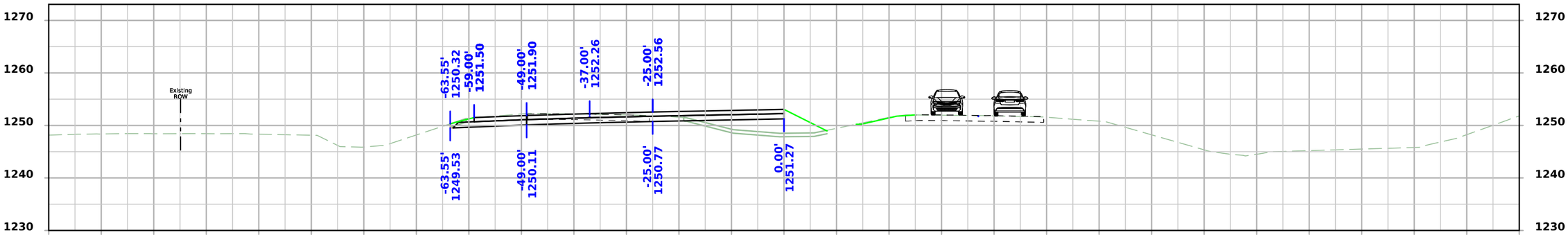
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2083

8:32:02 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_1_78059056Z06.dgn

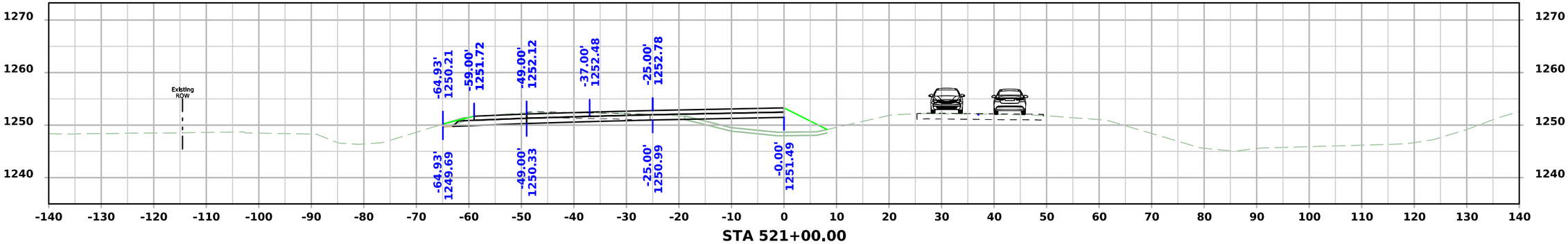
US 59 Stage 2



STA 521+50.00



STA 521+25.00

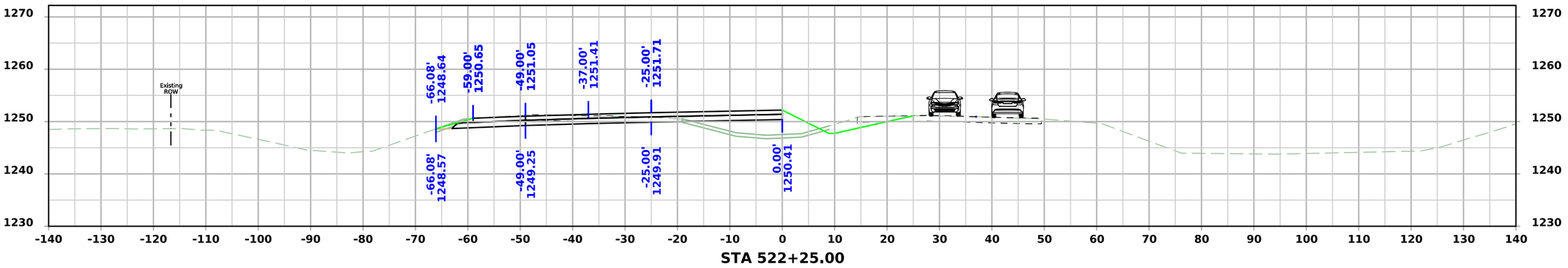


STA 521+00.00

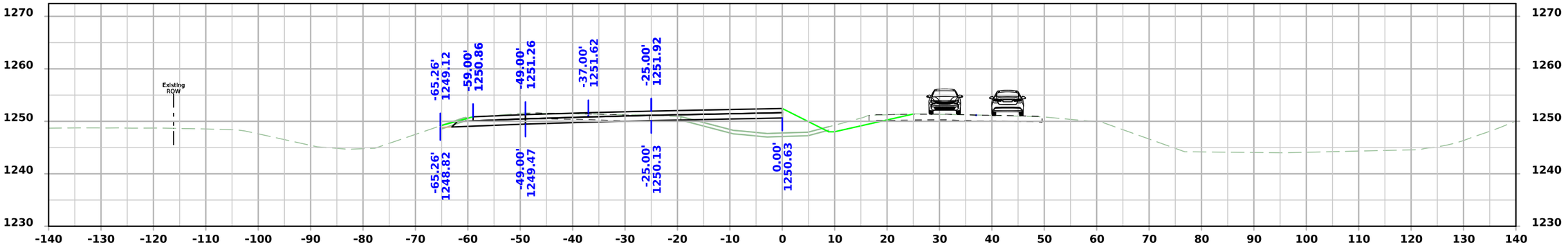
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2084

8:32:06 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_1_78059056Z06.dgn

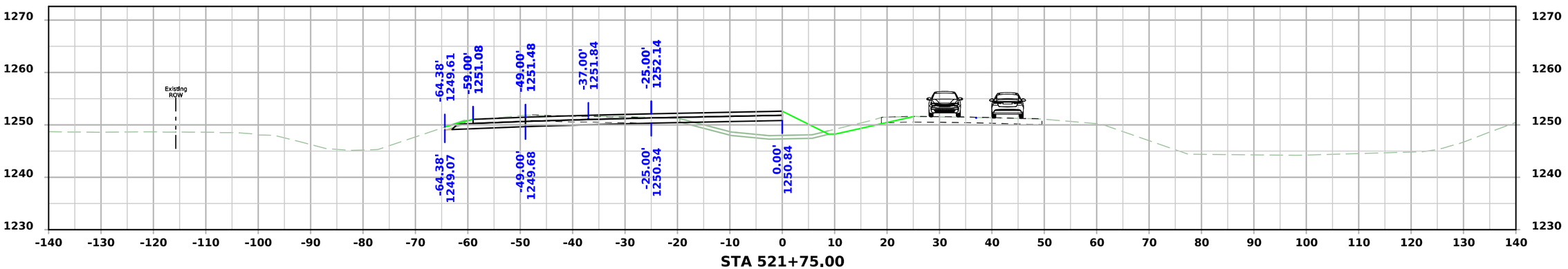
US 59 Stage 2



STA 522+25.00



STA 522+00.00

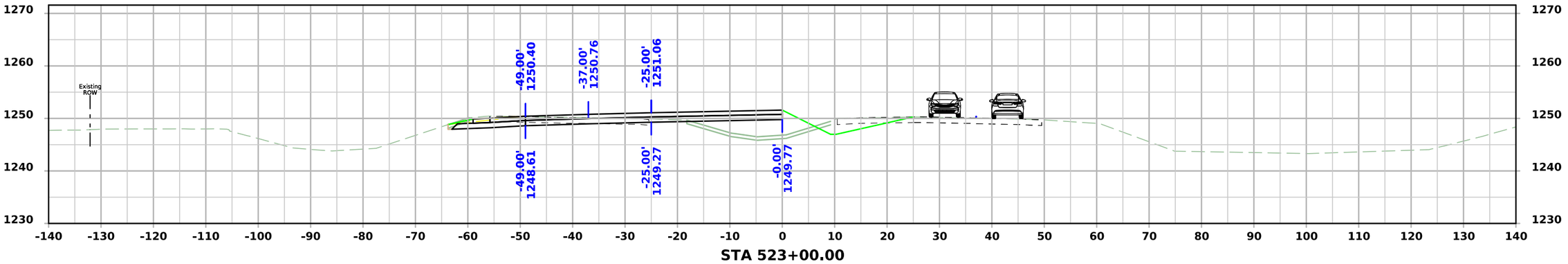


STA 521+75.00

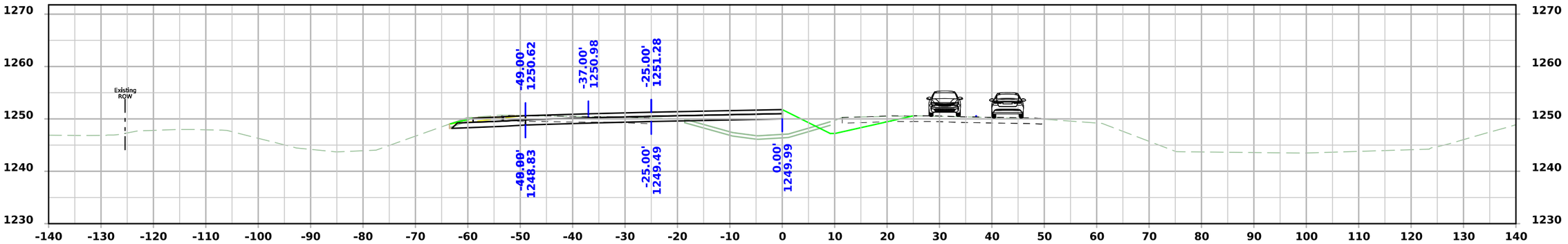
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2085

8:32:10 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_1_78059056Z06.dgn

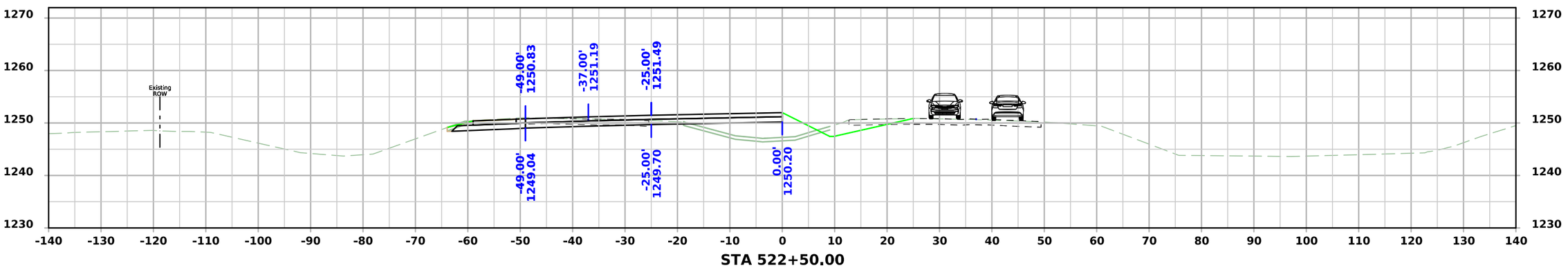
US 59 Stage 2



STA 523+00.00



STA 522+75.00

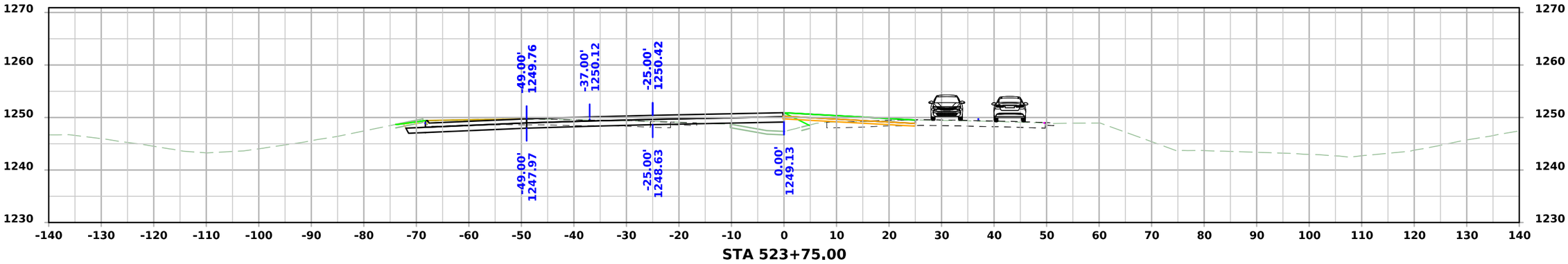


STA 522+50.00

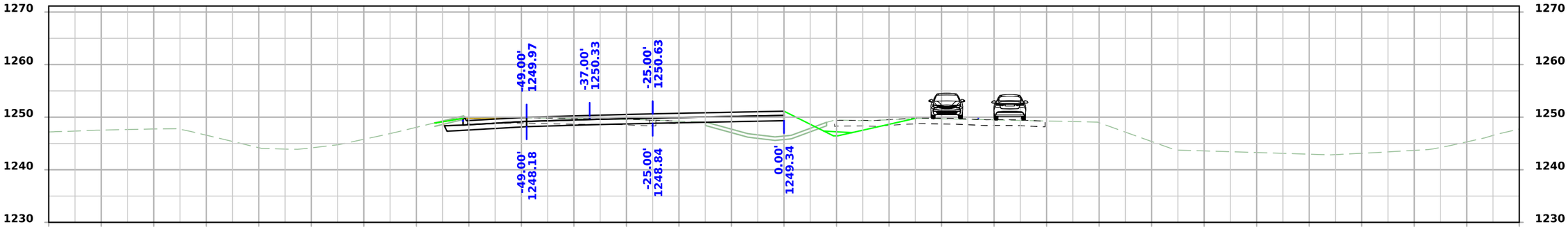
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2086

8:32:14 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_1_78059056Z06.dgn

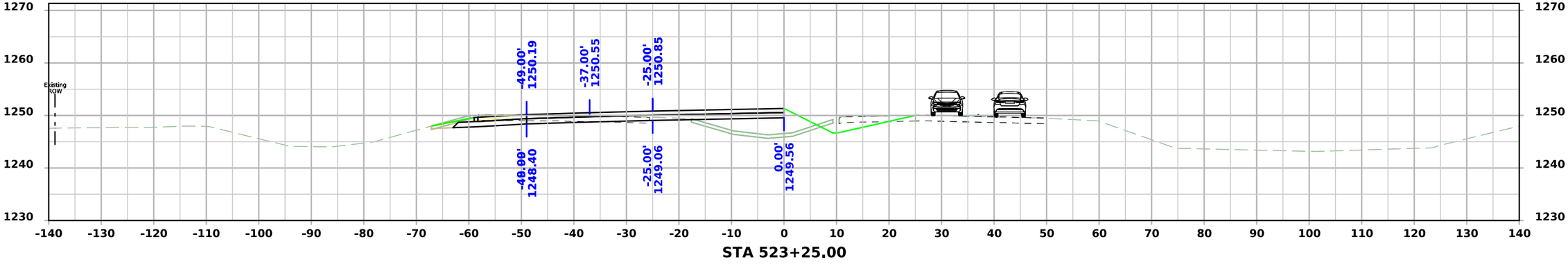
US 59 Stage 2



STA 523+75.00



STA 523+50.00

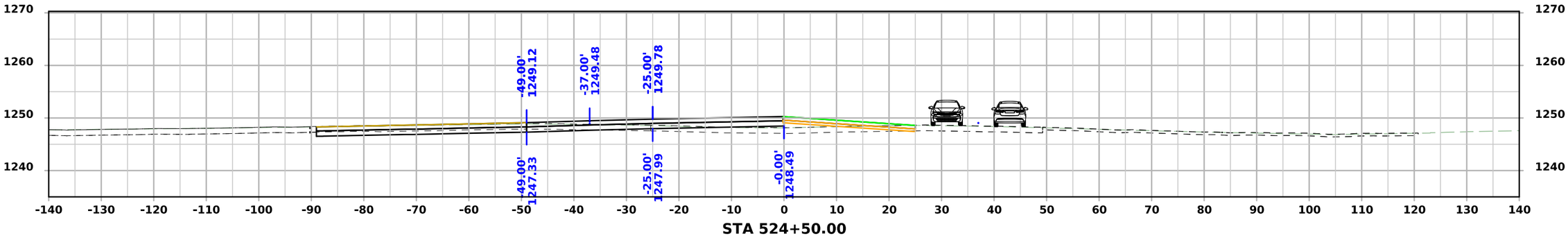


STA 523+25.00

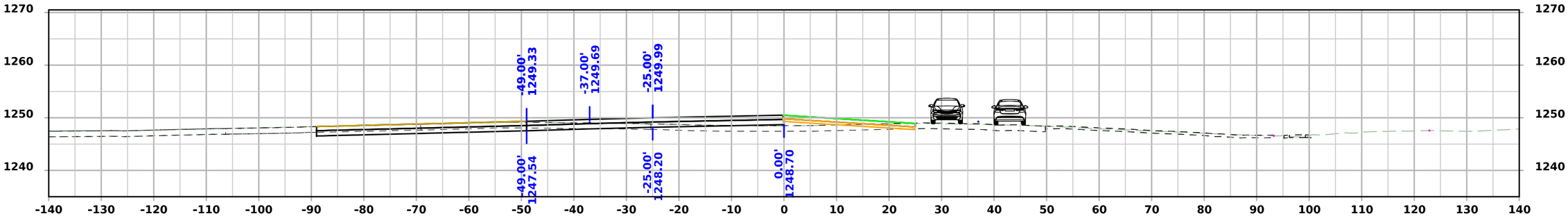
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2087

8:32:17 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_1_78059056Z06.dgn

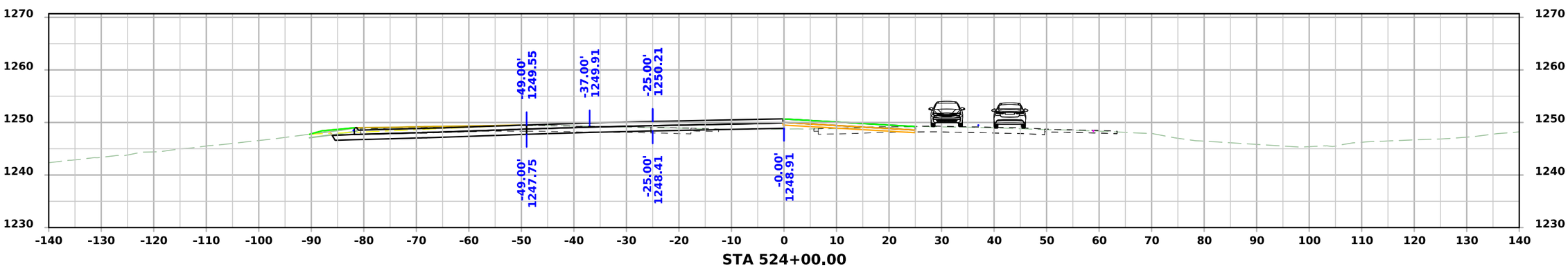
US 59 Stage 2



STA 524+50.00



STA 524+25.00

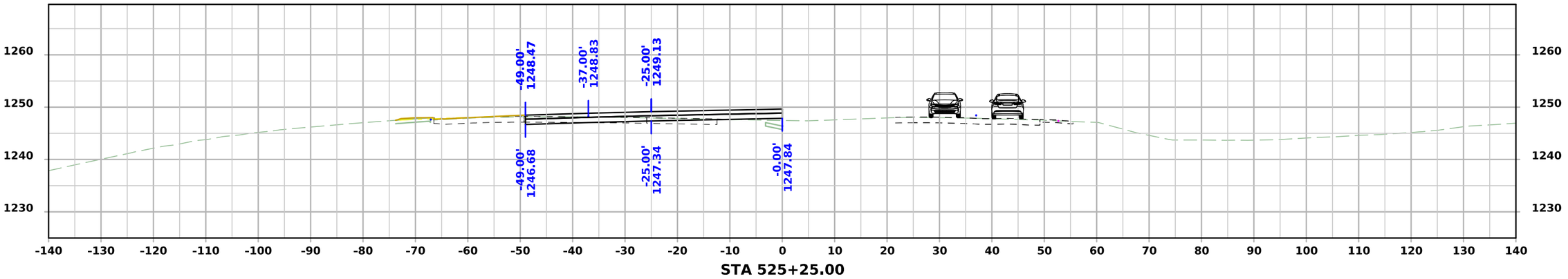


STA 524+00.00

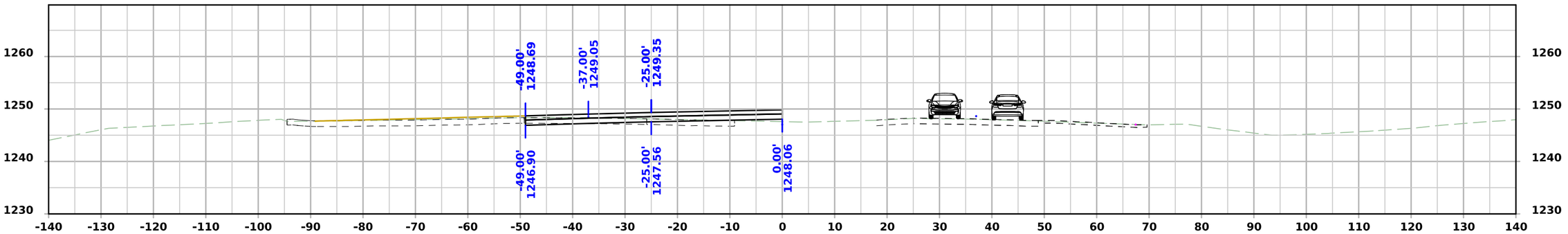
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2088

8:32:21 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_1_78059056Z06.dgn

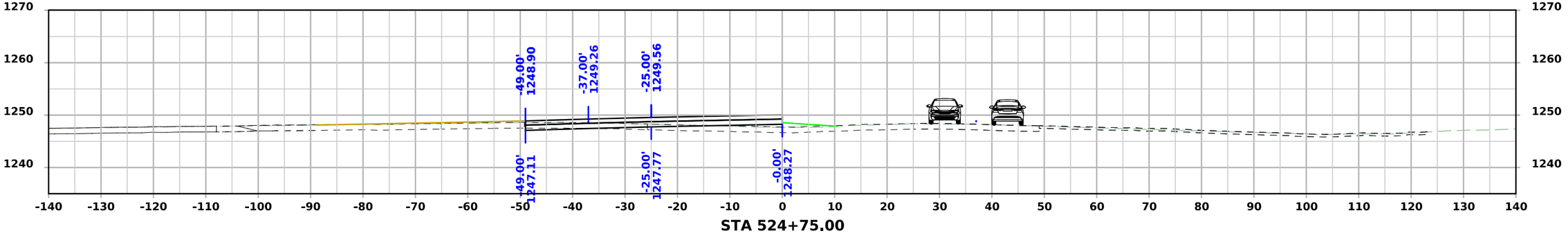
US 59 Stage 2



STA 525+25.00



STA 525+00.00

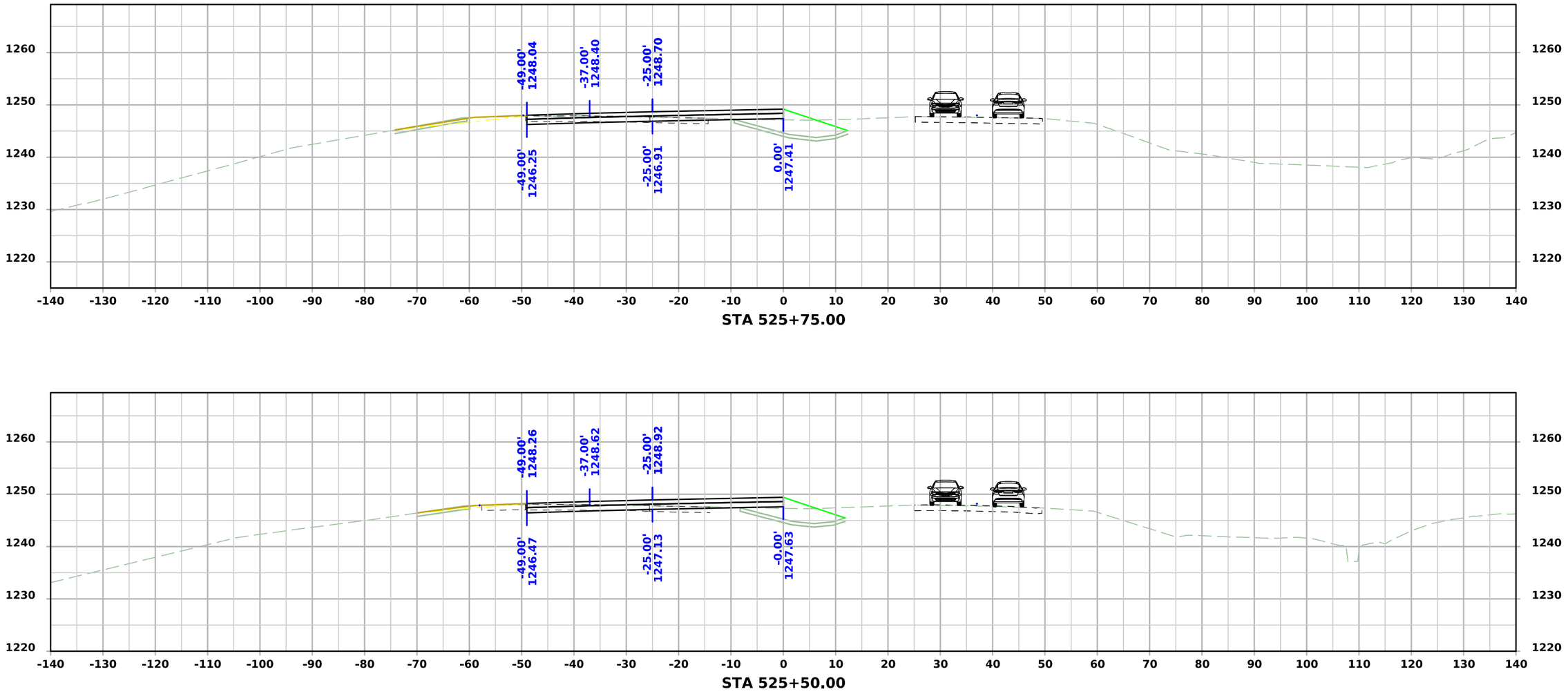


STA 524+75.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2089

8:32:25 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_1_78059056Z06.dgn

US 59 Stage 2



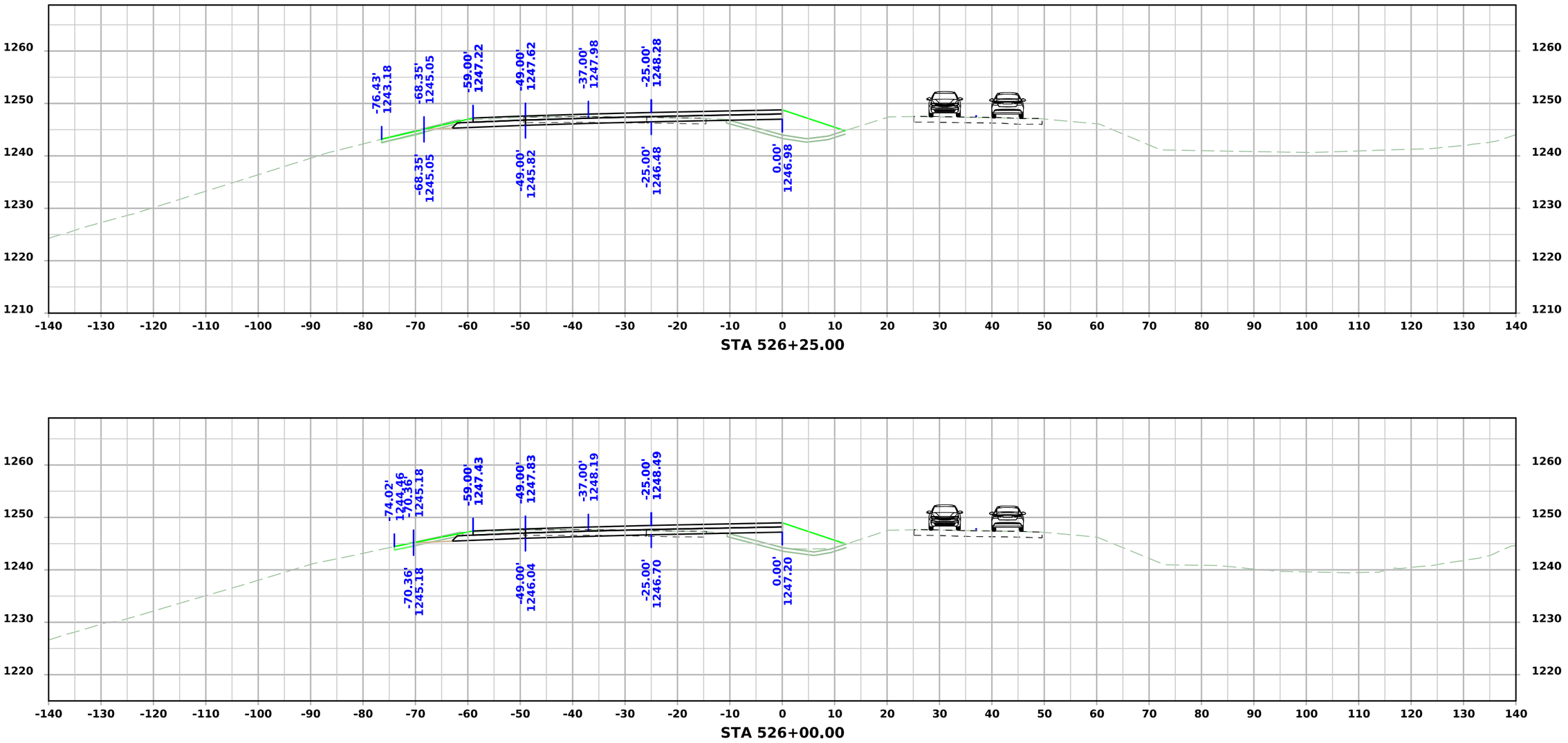
STA 525+75.00

STA 525+50.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2090

8:32:28 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_1_78059056Z06.dgn

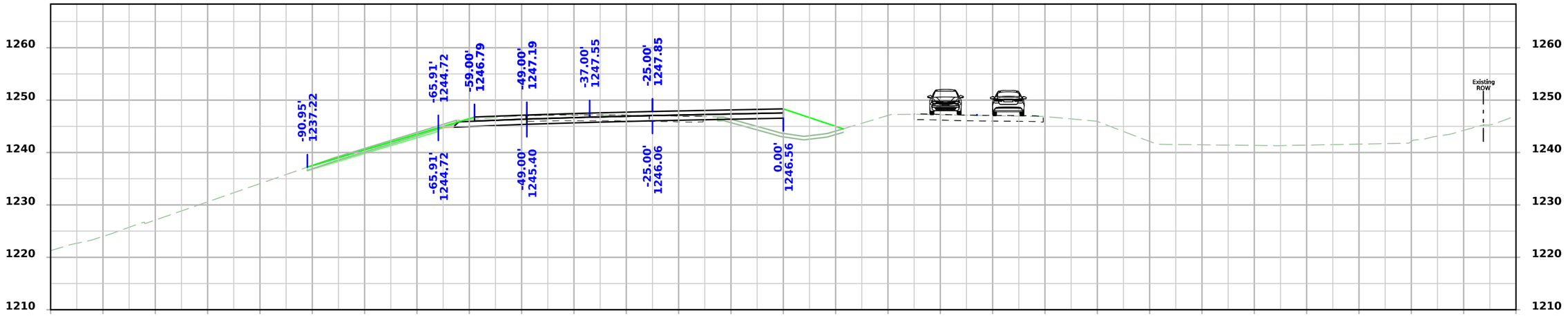
US 59 Stage 2



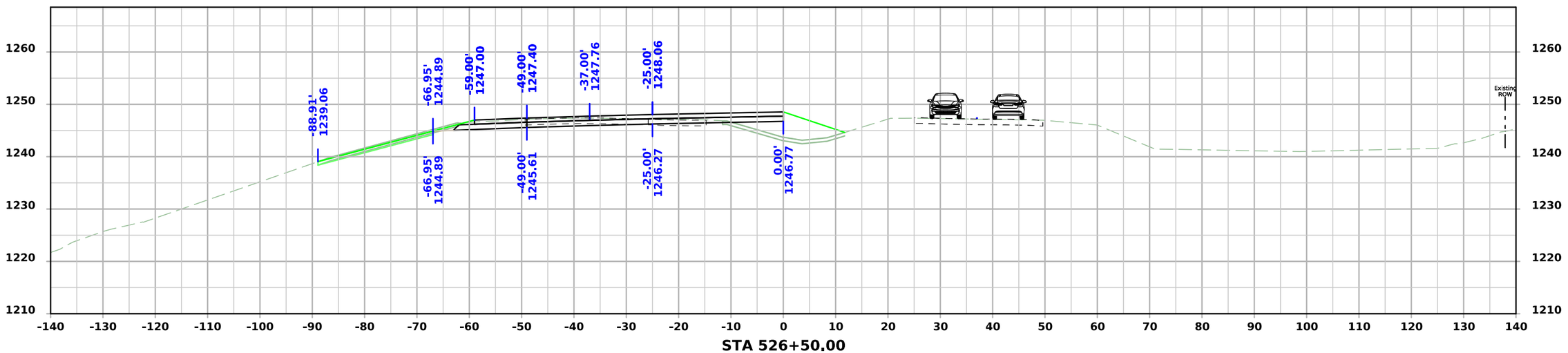
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2091

8:32:31 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_1_78059056Z06.dgn

US 59 Stage 2



STA 526+75.00

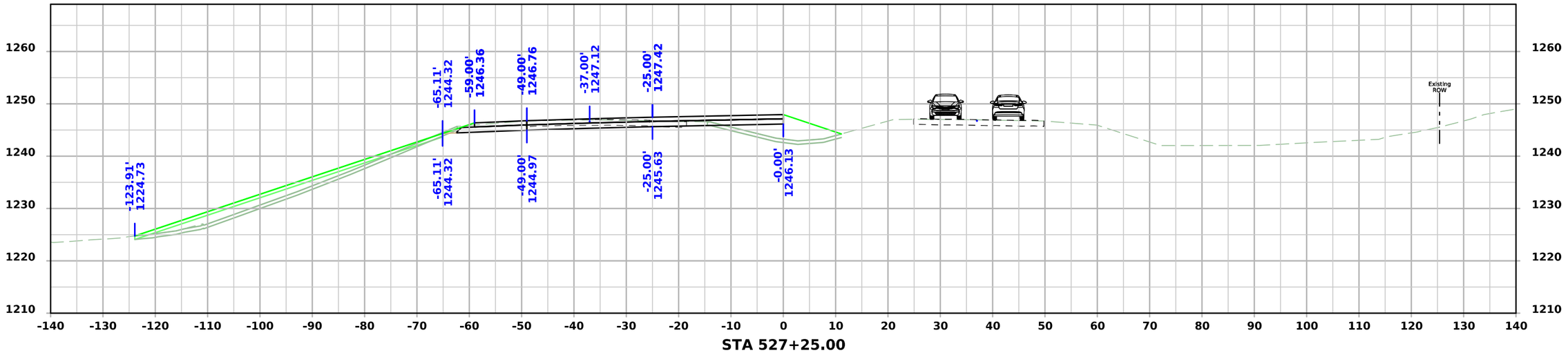


STA 526+50.00

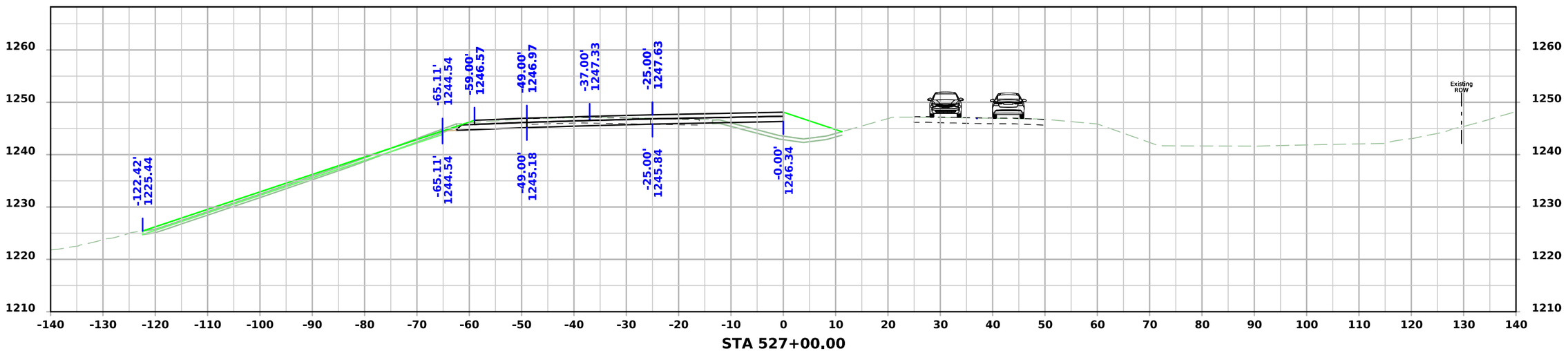
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2092

8:32:33 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_1_78059056Z06.dgn

US 59 Stage 2



STA 527+25.00

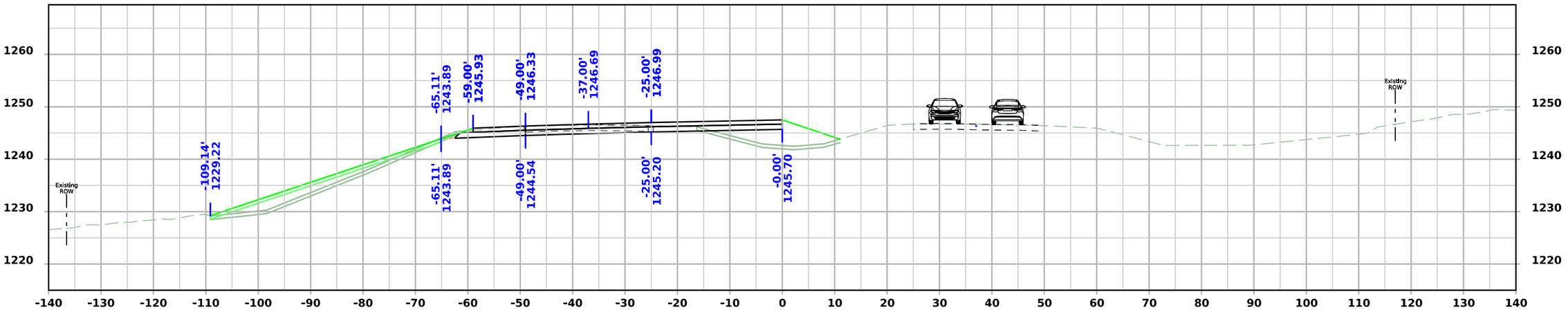


STA 527+00.00

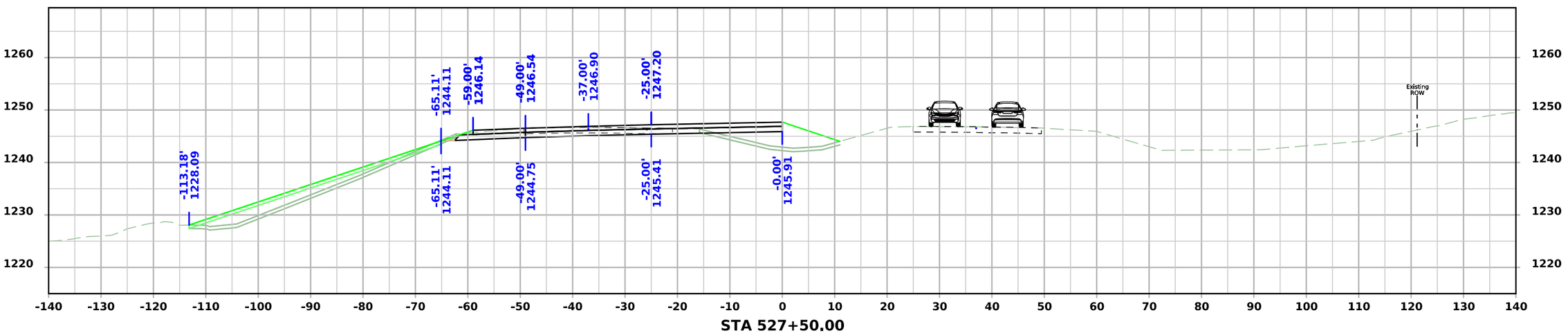
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2093

8:32:36 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_1_78059056Z06.dgn

US 59 Stage 2



STA 527+75.00

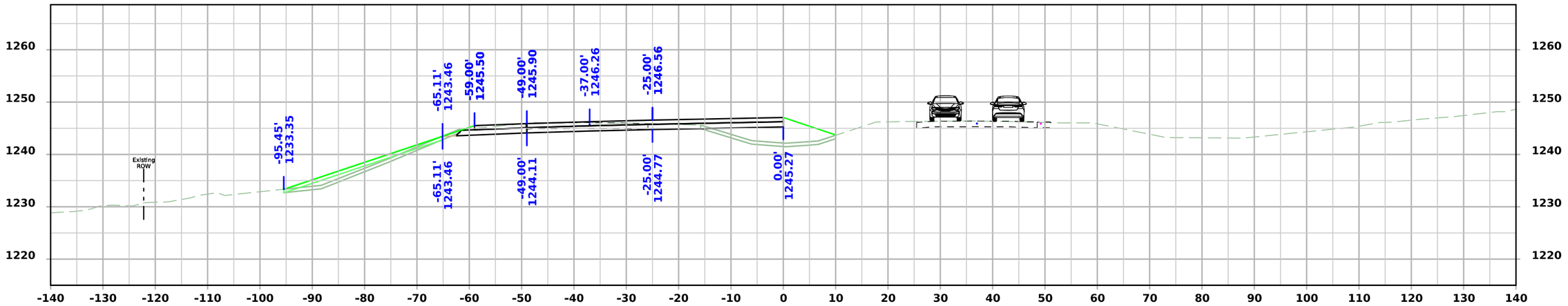


STA 527+50.00

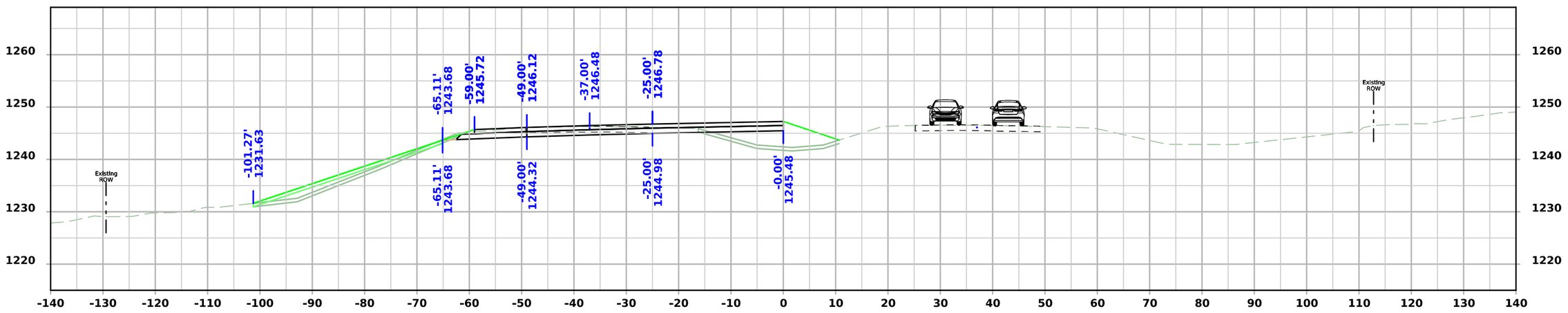
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2094

8:32:39 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_1_78059056Z06.dgn

US 59 Stage 2



STA 528+25.00

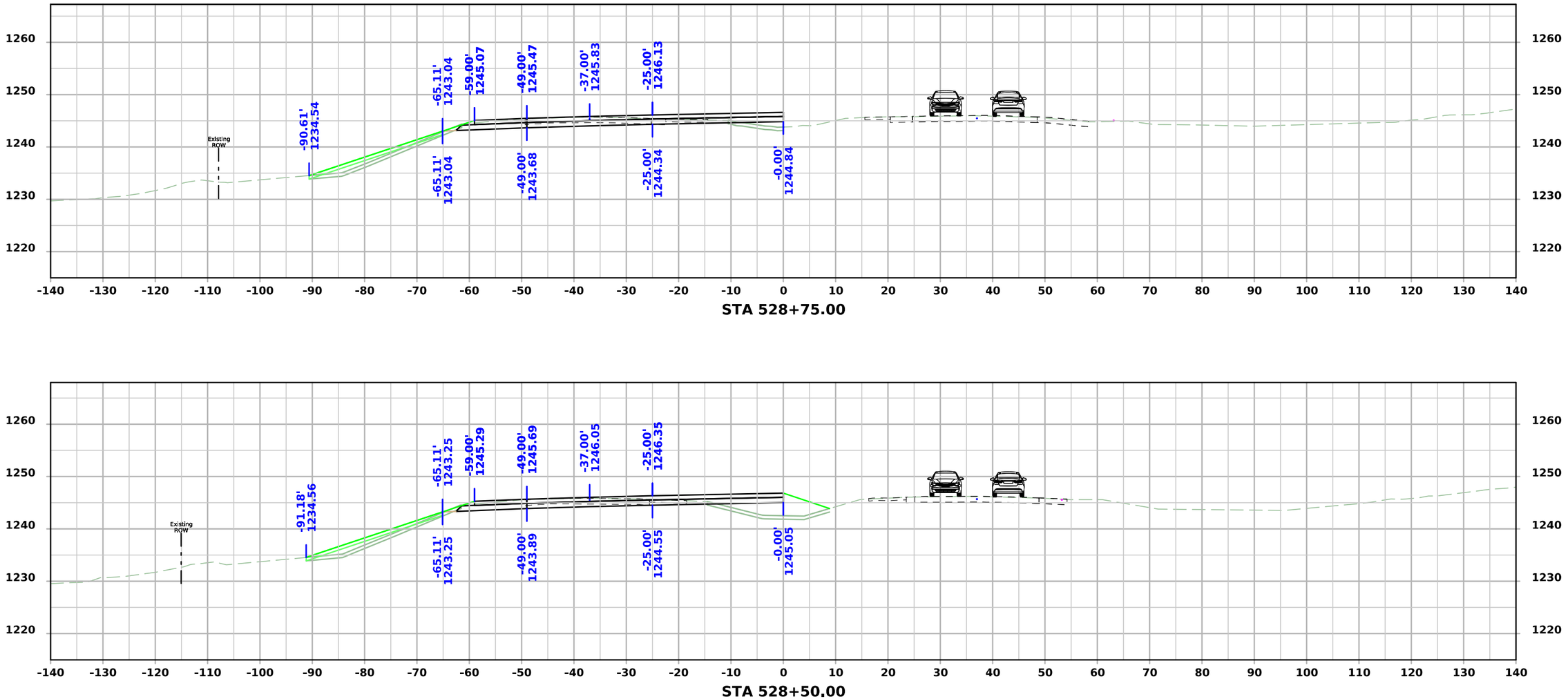


STA 528+00.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2095

8:32:42 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_1_78059056Z06.dgn

US 59 Stage 2



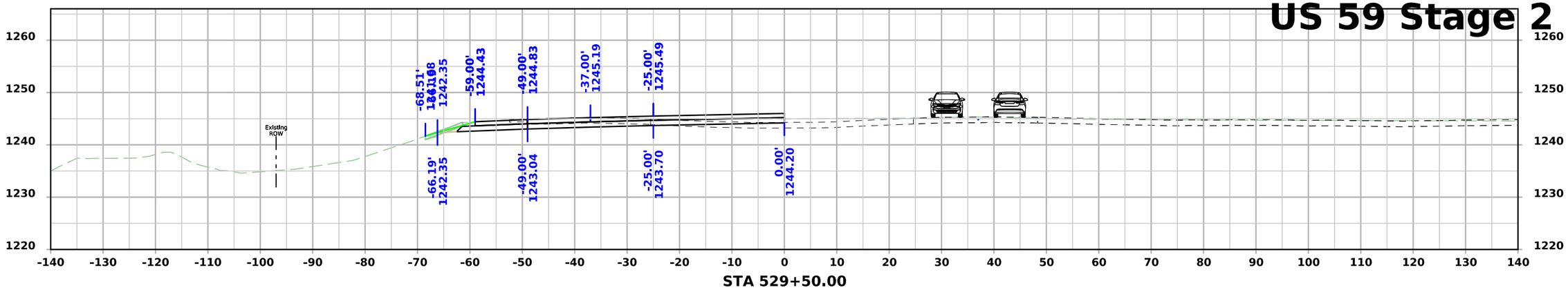
STA 528+75.00

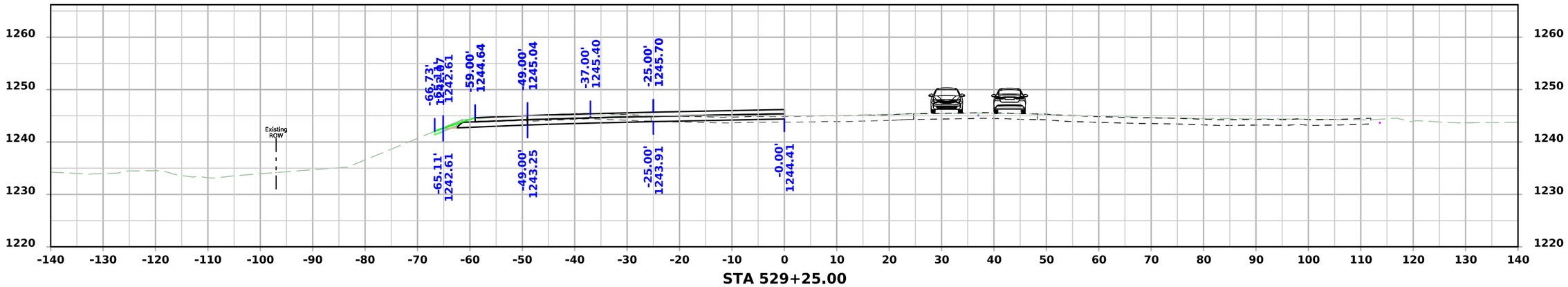
STA 528+50.00

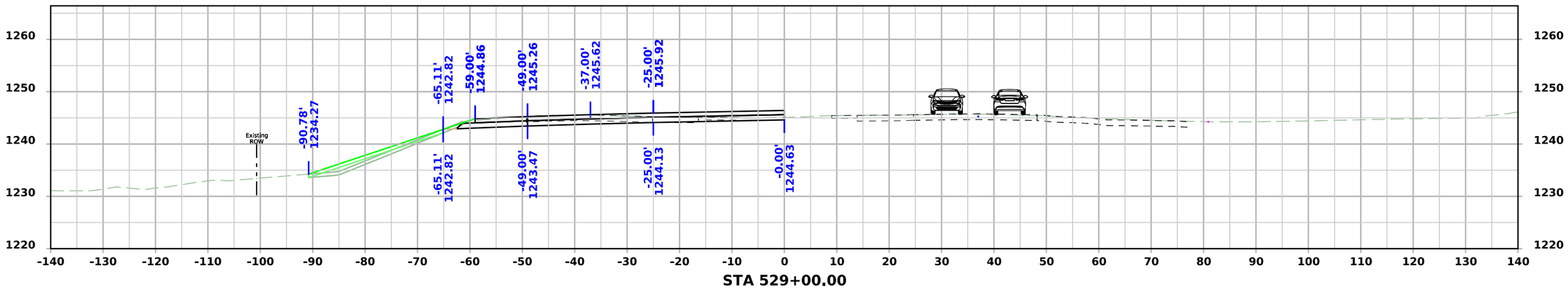
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2096

8:32:45 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_1_78059056Z06.dgn

US 59 Stage 2



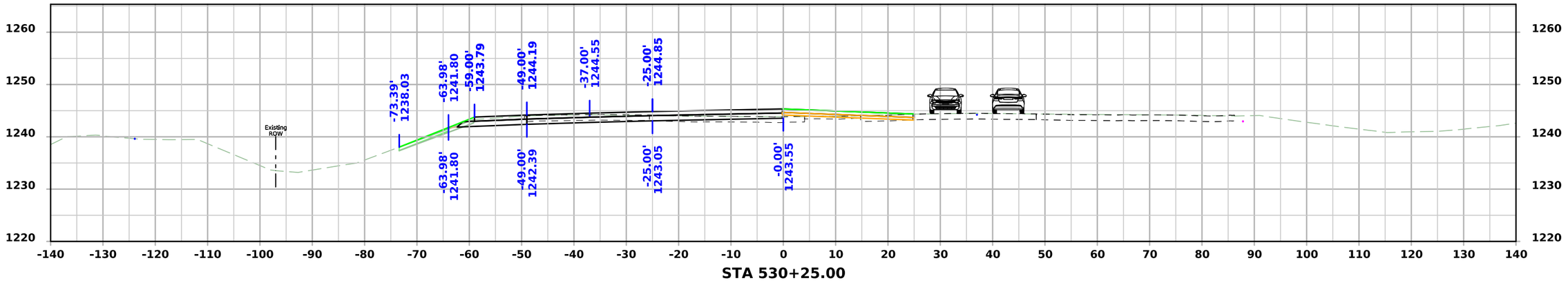




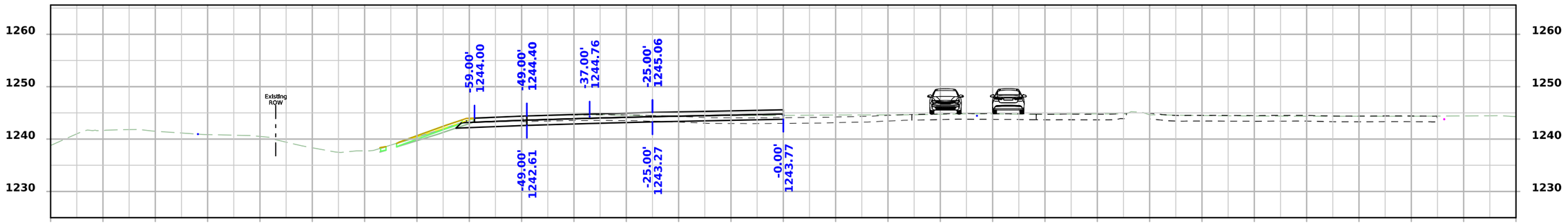
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2097

8:32:48 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_1_78059056Z06.dgn

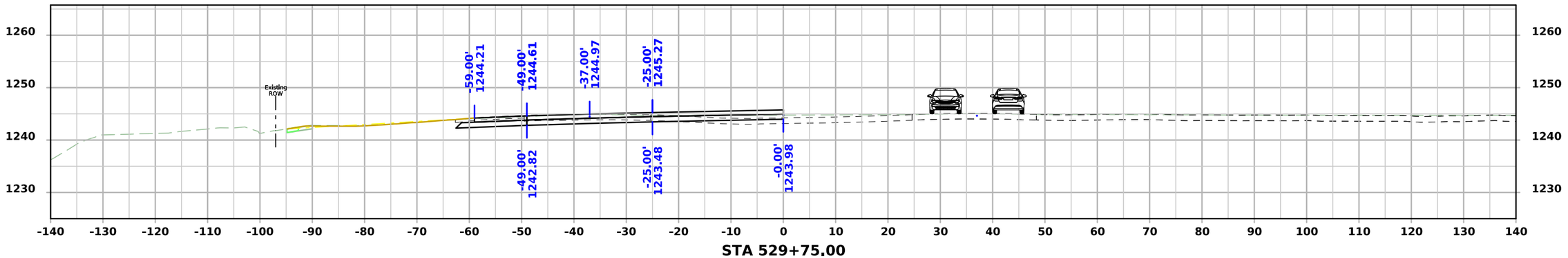
US 59 Stage 2



STA 530+25.00



STA 530+00.00

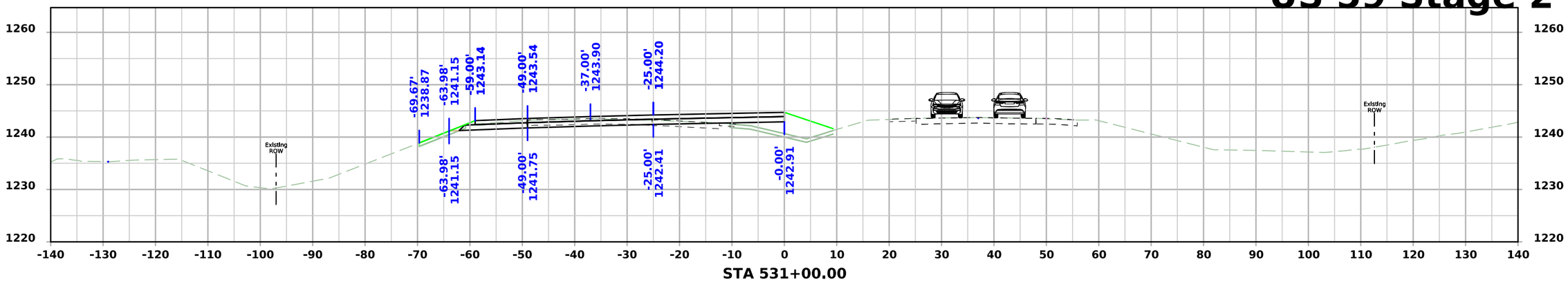


STA 529+75.00

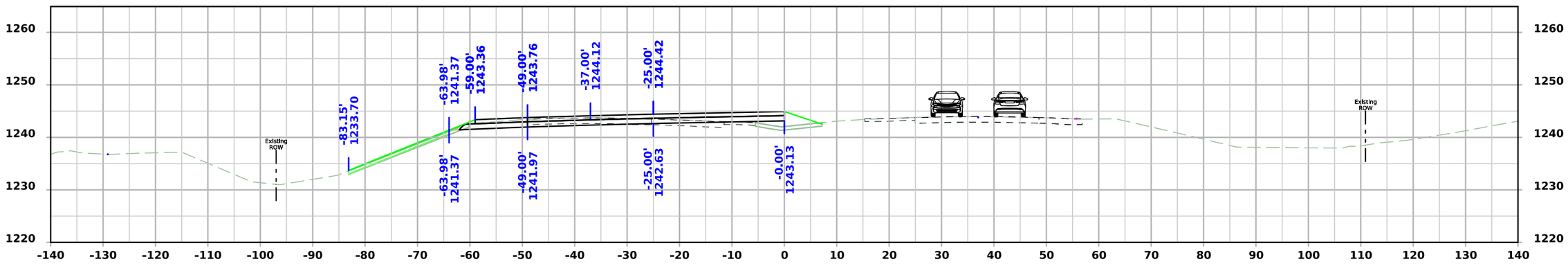
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2098

8:32:52 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_1_78059056Z06.dgn

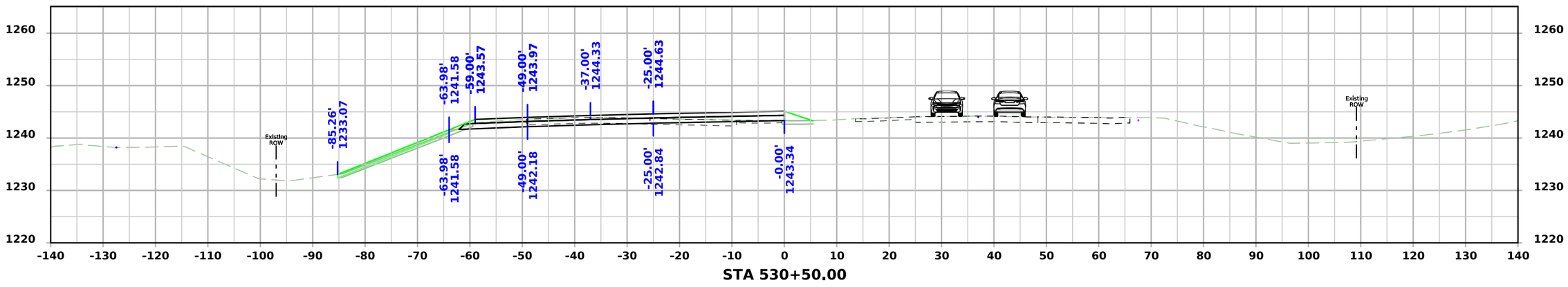
US 59 Stage 2



STA 531+00.00



STA 530+75.00

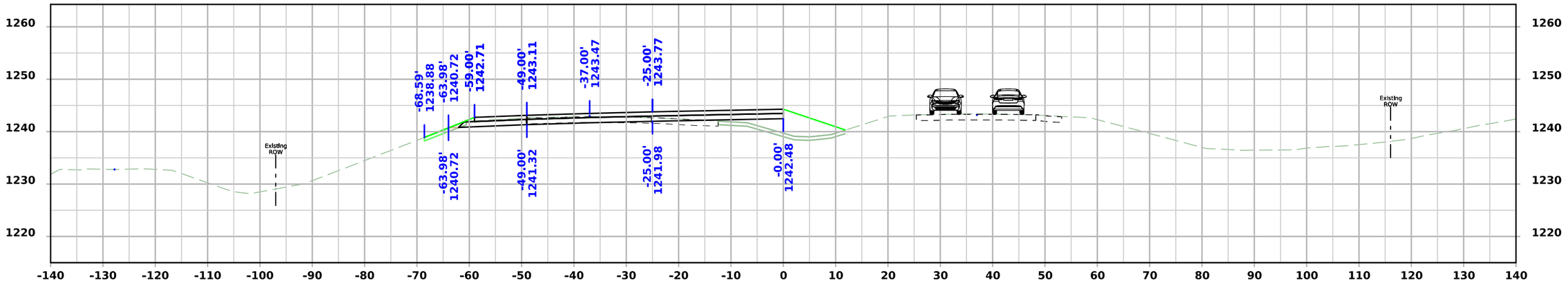


STA 530+50.00

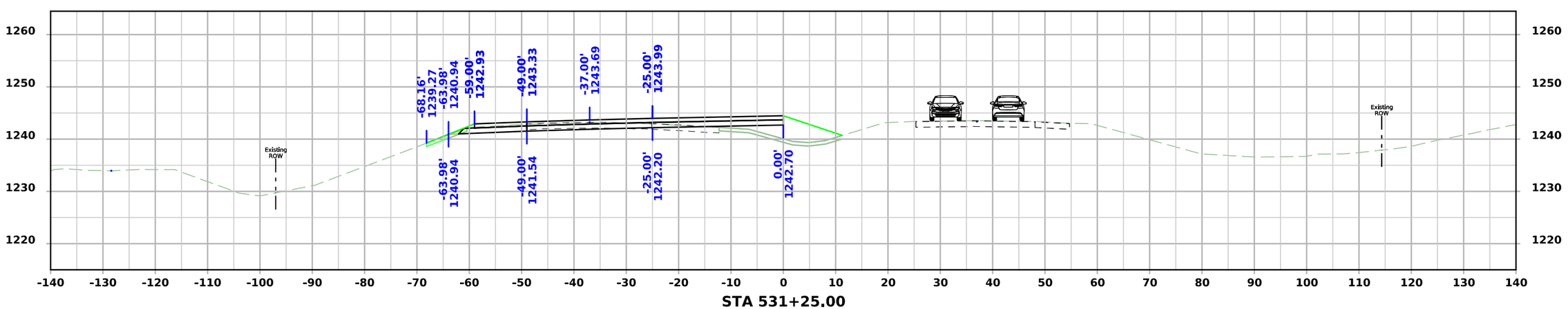
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2099

8:32:55 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_1_78059056Z06.dgn

US 59 Stage 2



STA 531+50.00

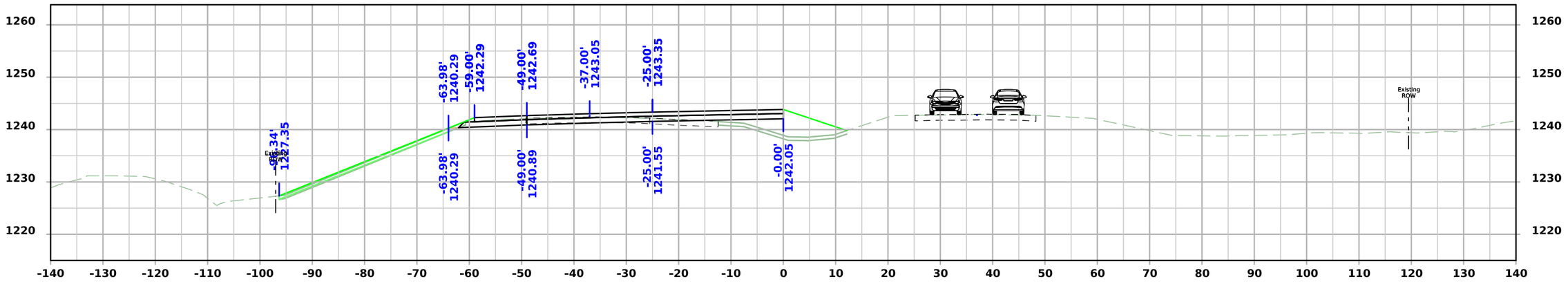


STA 531+25.00

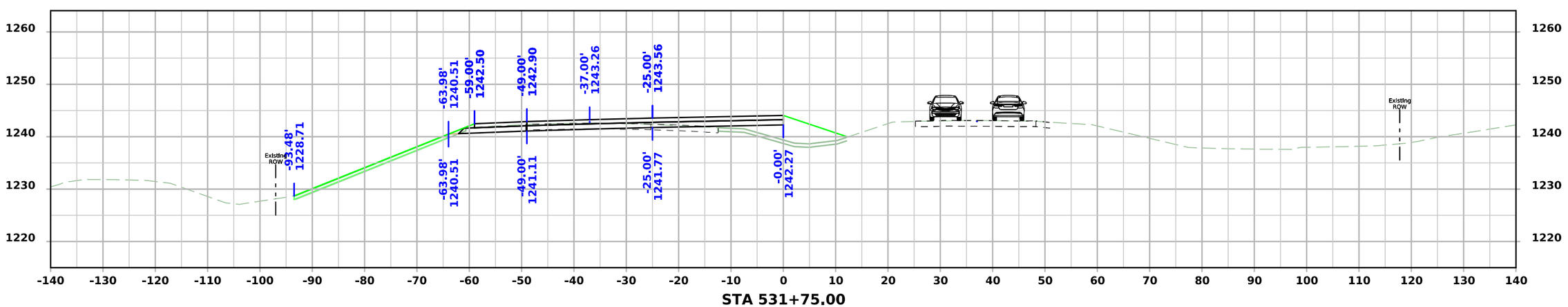
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2100

8:32:59 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_1_78059056Z06.dgn

US 59 Stage 2



STA 532+00.00

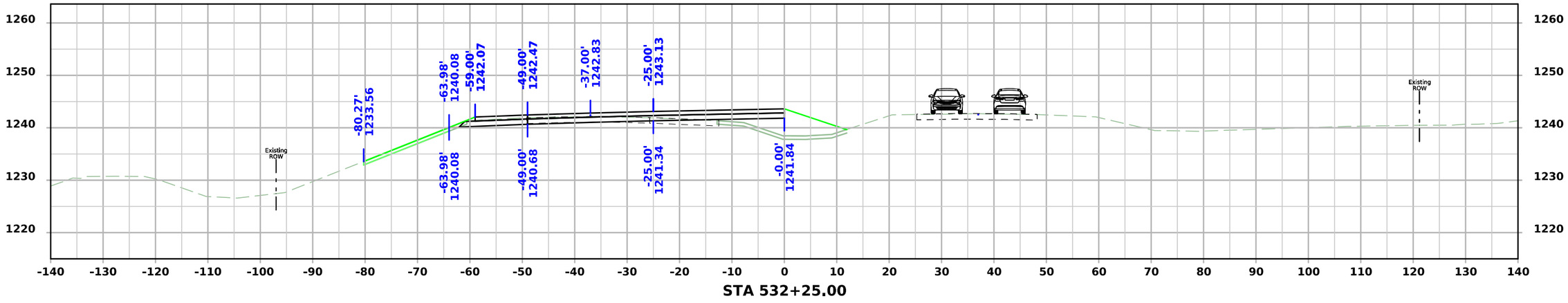


STA 531+75.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2101

8:33:02 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_1_78059056Z06.dgn

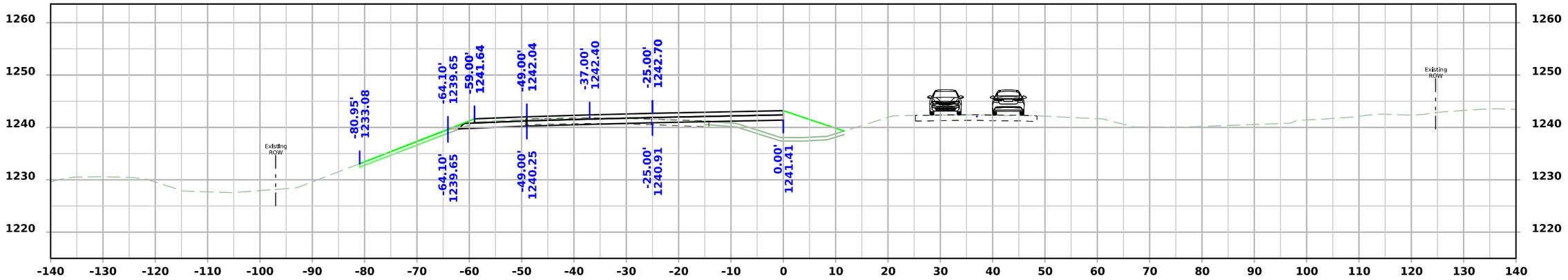
US 59 Stage 2



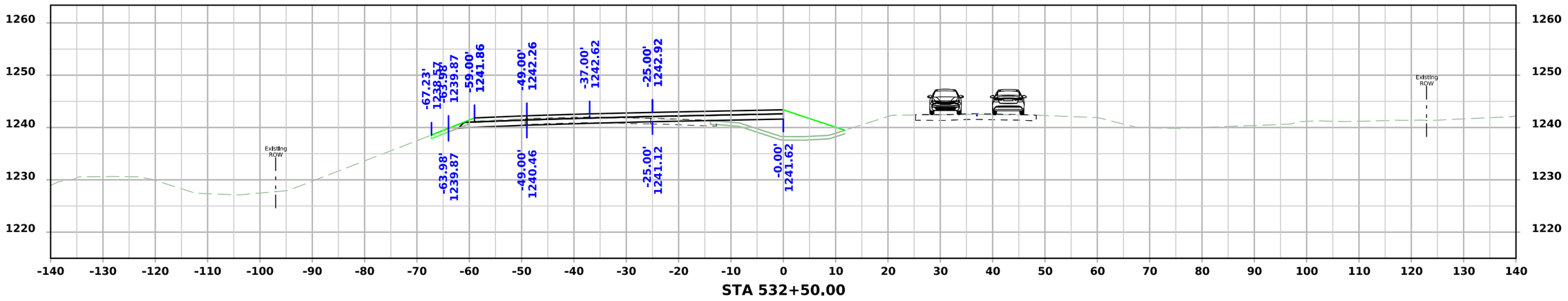
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2102

8:33:05 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_1_78059056Z06.dgn

US 59 Stage 2



STA 532+75.00

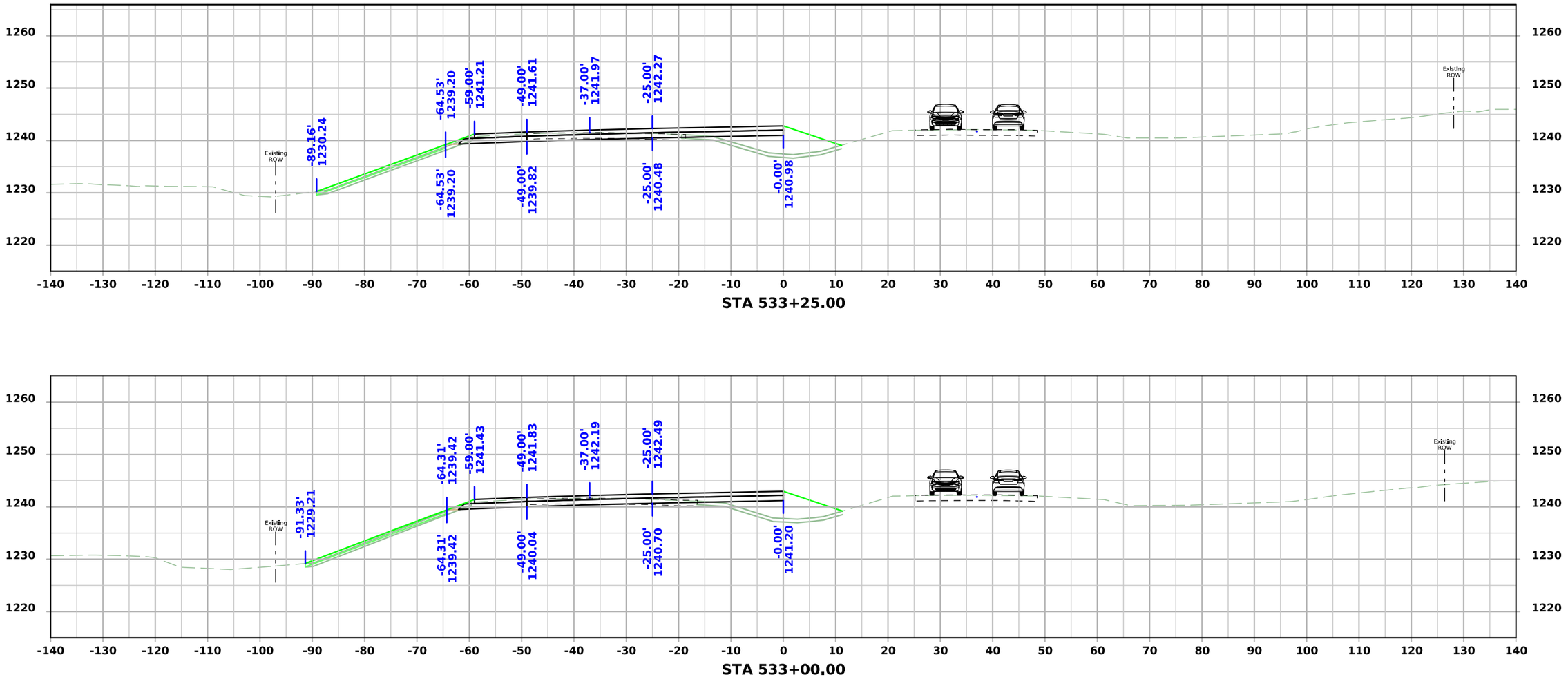


STA 532+50.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2103

8:33:21 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_2_78059056Z06.dgn

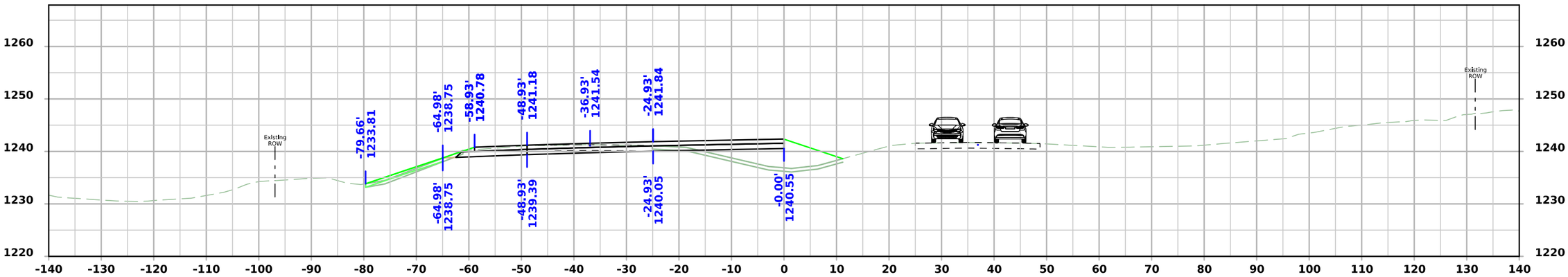
US 59 Stage 2



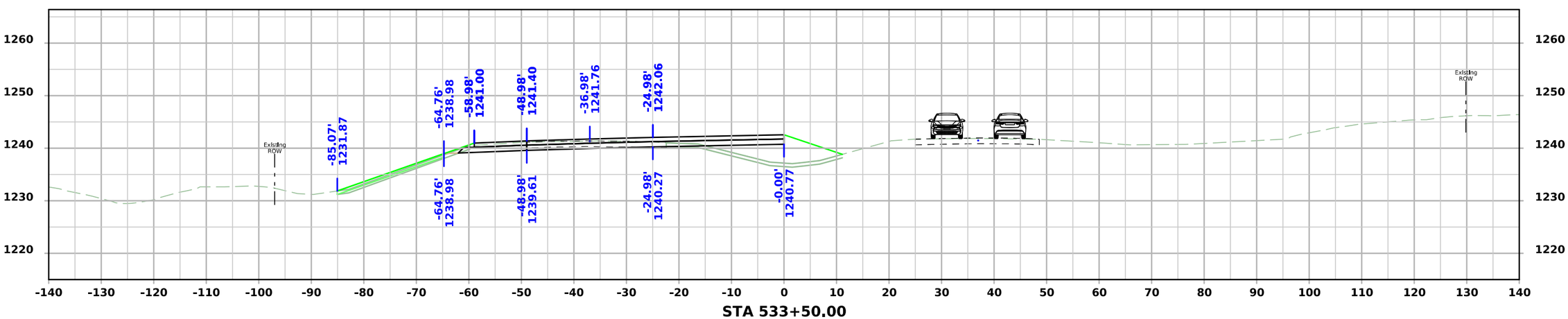
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2104

8:33:25 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_2_78059056Z06.dgn

US 59 Stage 2



STA 533+75.00

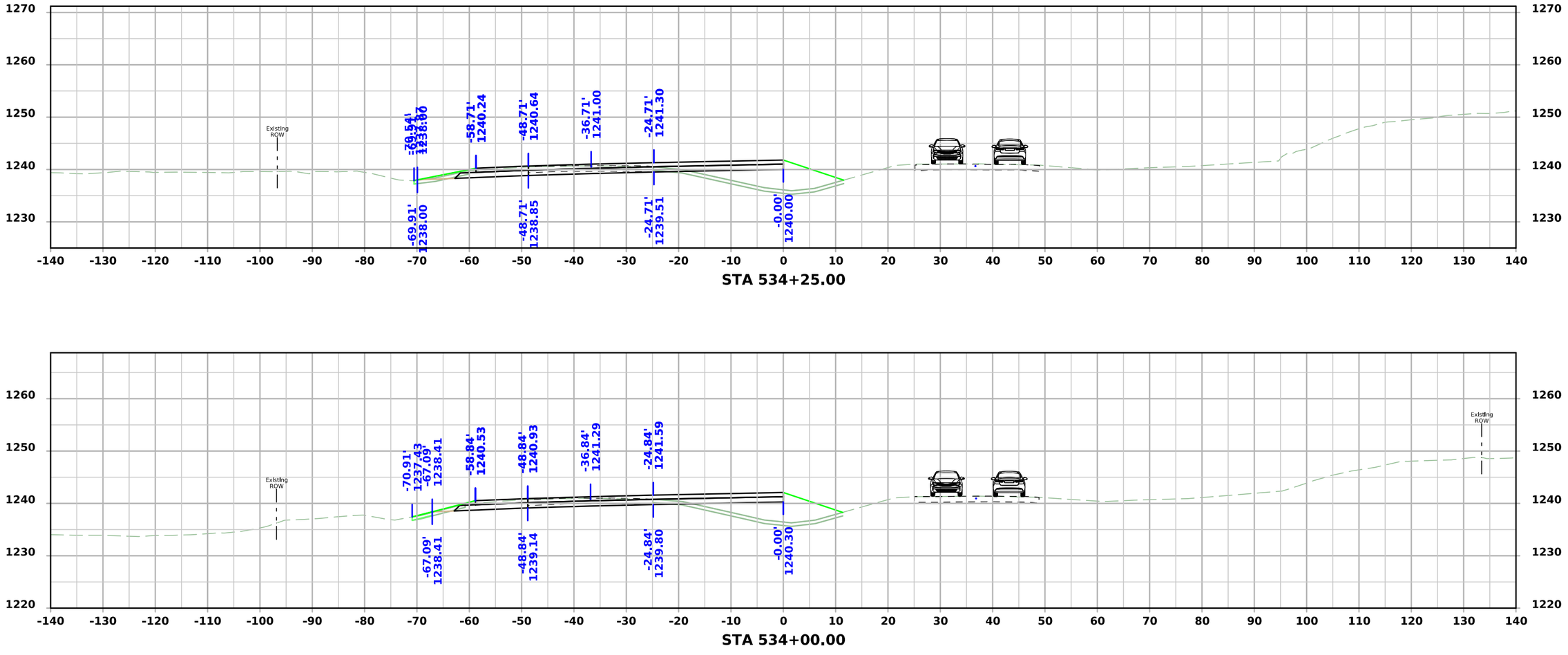


STA 533+50.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2105

8:33:28 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_2_78059056Z06.dgn

US 59 Stage 2



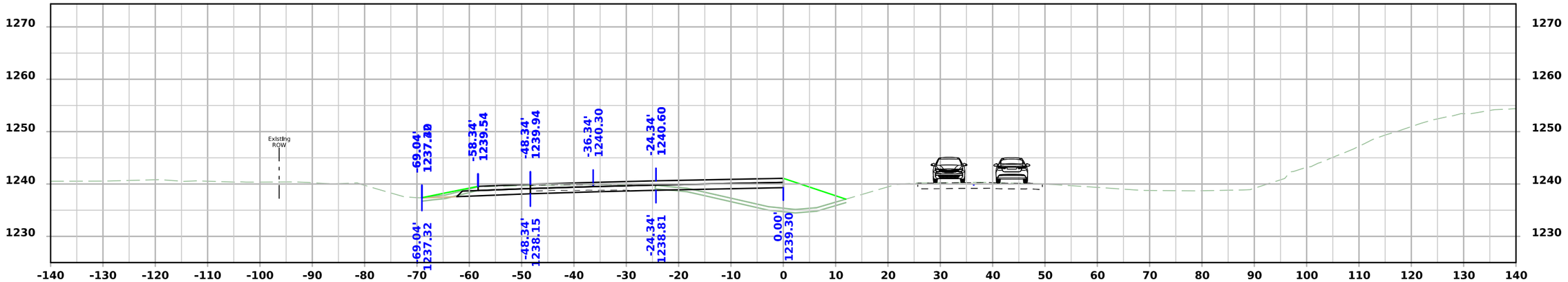
STA 534+25.00

STA 534+00.00

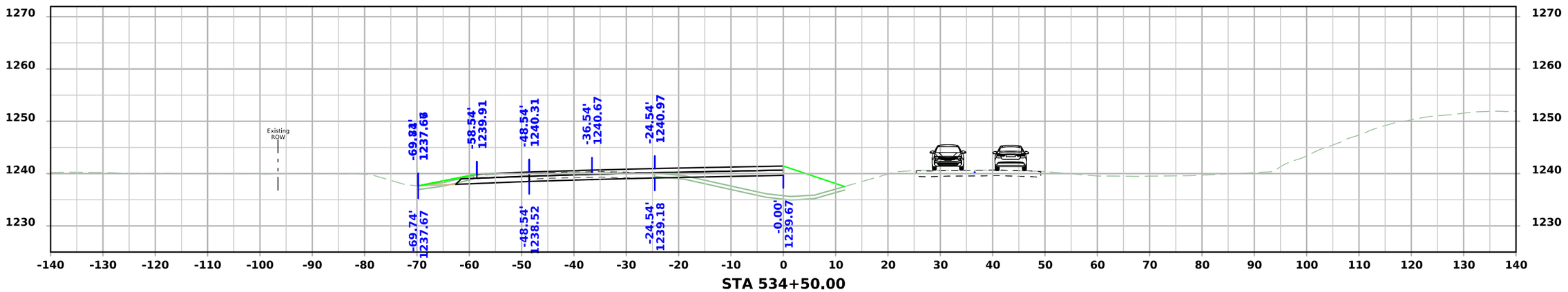
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2106

8:33:31 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_2_78059056Z06.dgn

US 59 Stage 2



STA 534+75.00

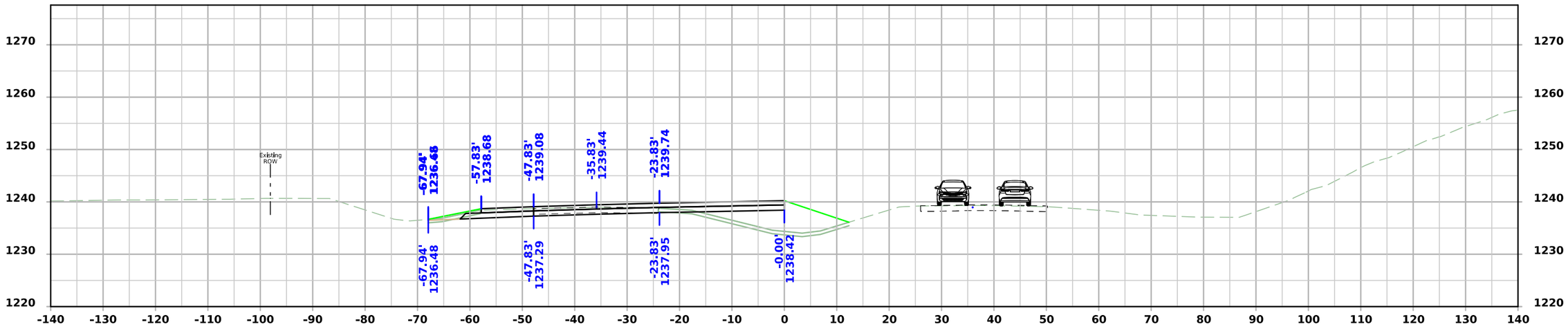


STA 534+50.00

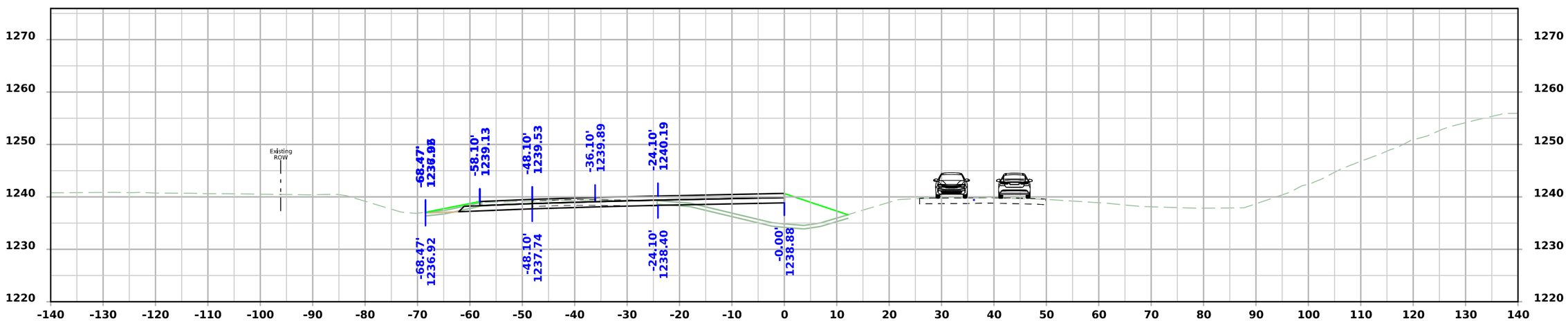
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2107

8:33:34 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_2_78059056Z06.dgn

US 59 Stage 2



STA 535+25.00

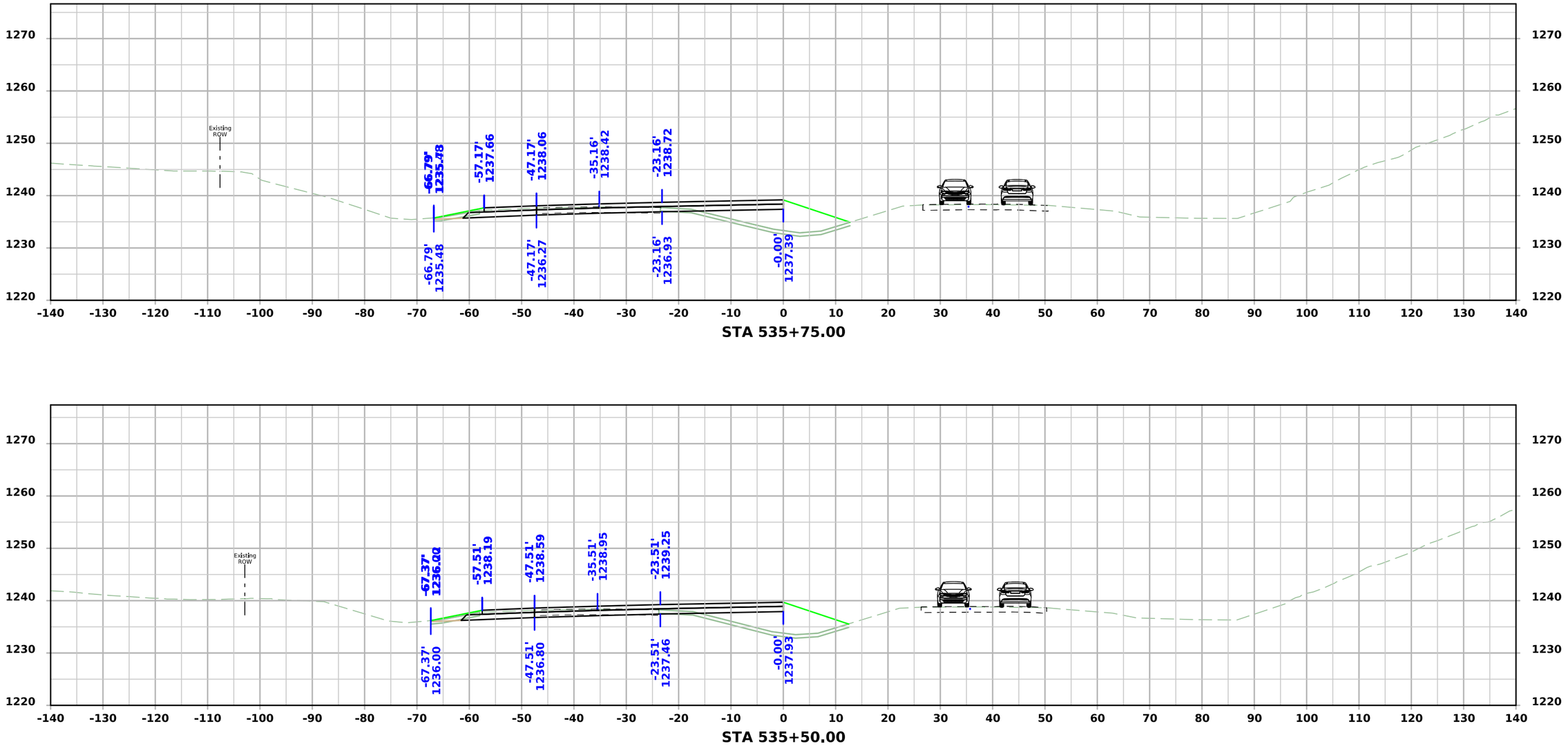


STA 535+00.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2108

8:33:37 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_2_78059056Z06.dgn

US 59 Stage 2



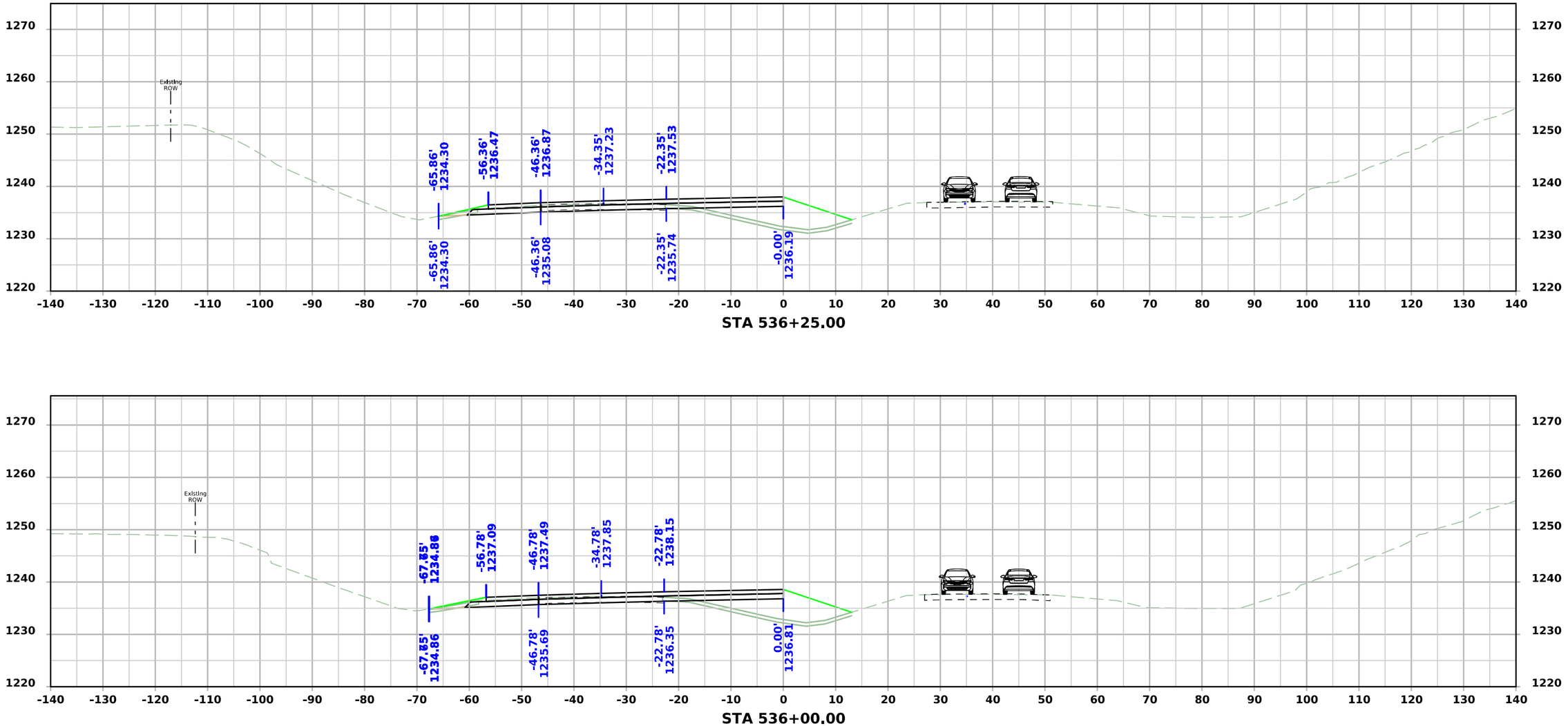
STA 535+75.00

STA 535+50.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2109

8:33:42 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_2_78059056Z06.dgn

US 59 Stage 2



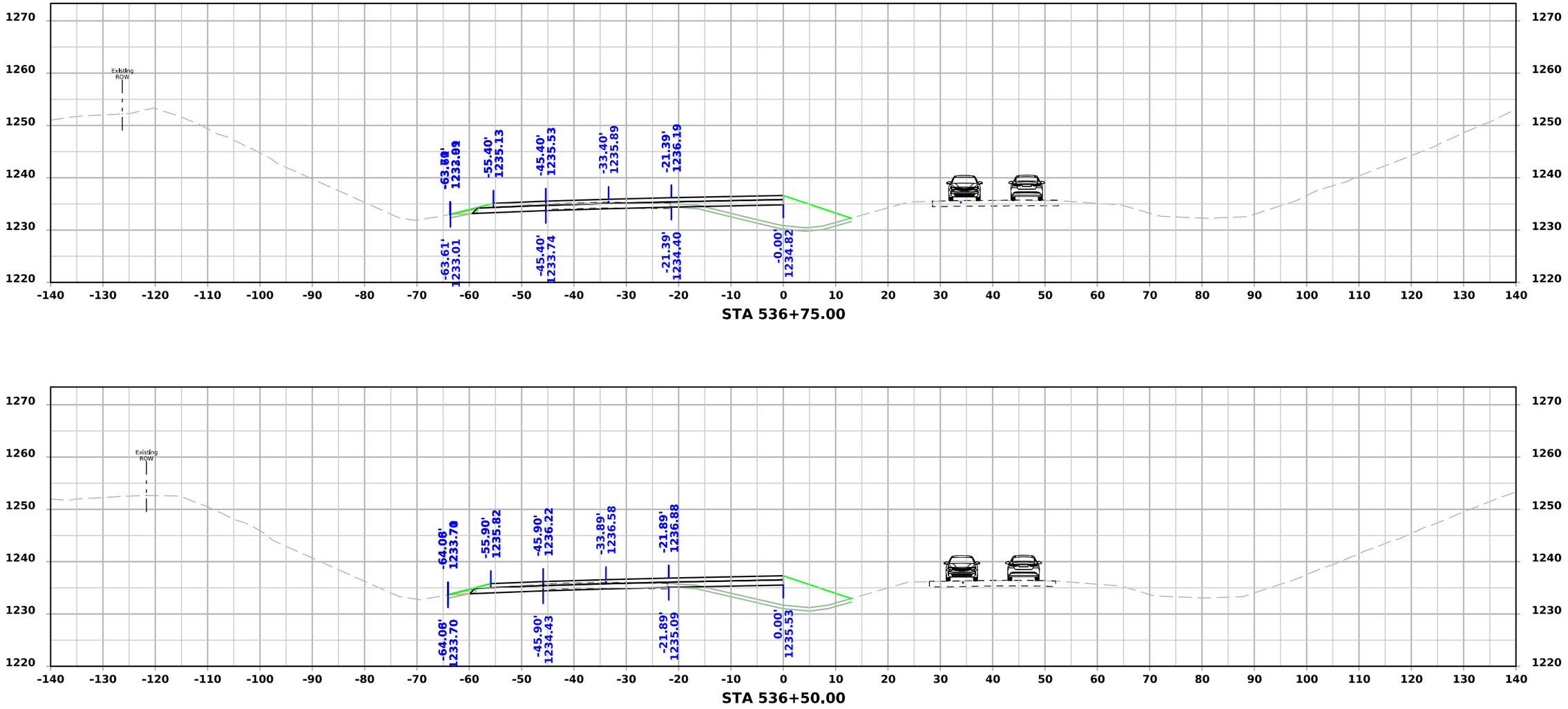
STA 536+25.00

STA 536+00.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2110

8:33:45 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_2_78059056Z06.dgn

US 59 Stage 2



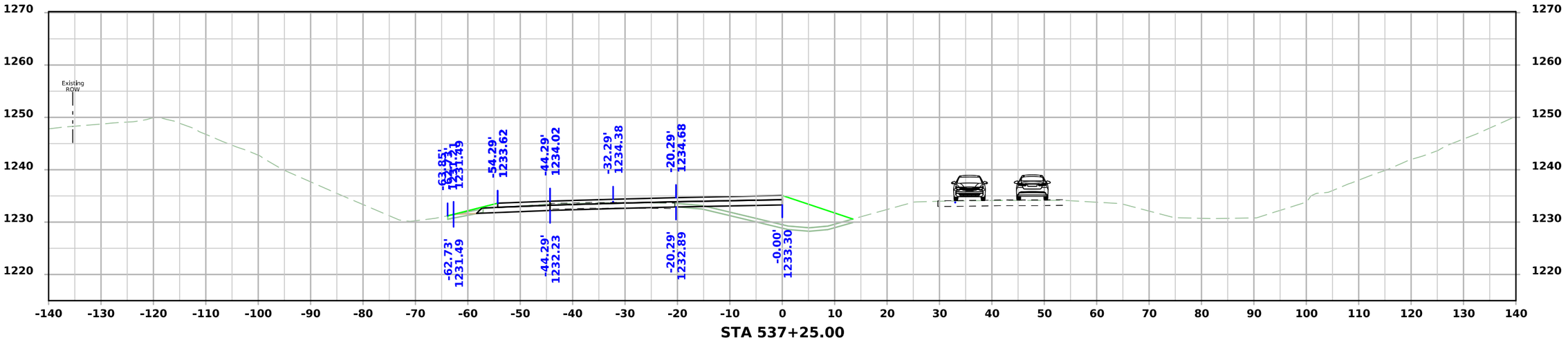
STA 536+75.00

STA 536+50.00

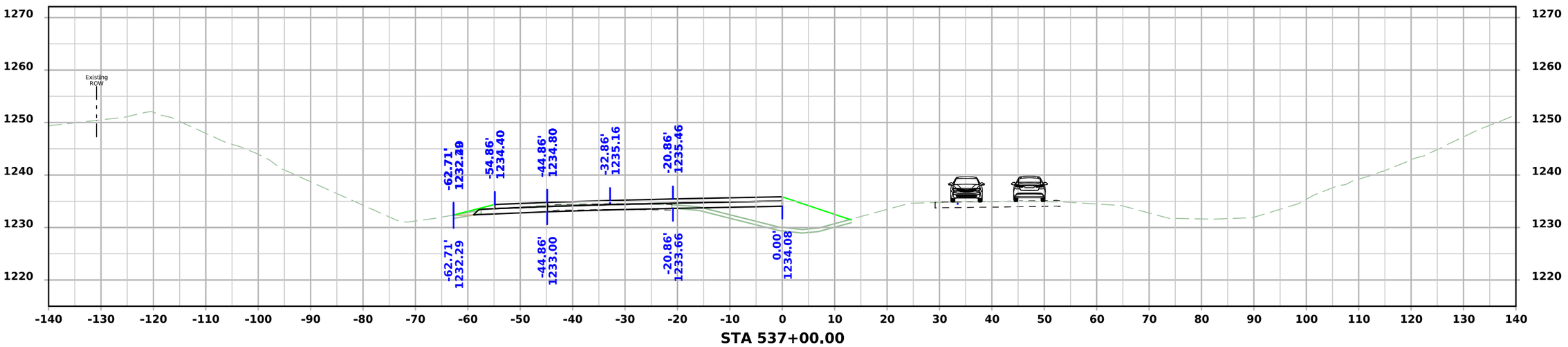
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2111

8:33:48 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_2_78059056Z06.dgn

US 59 Stage 2



STA 537+25.00

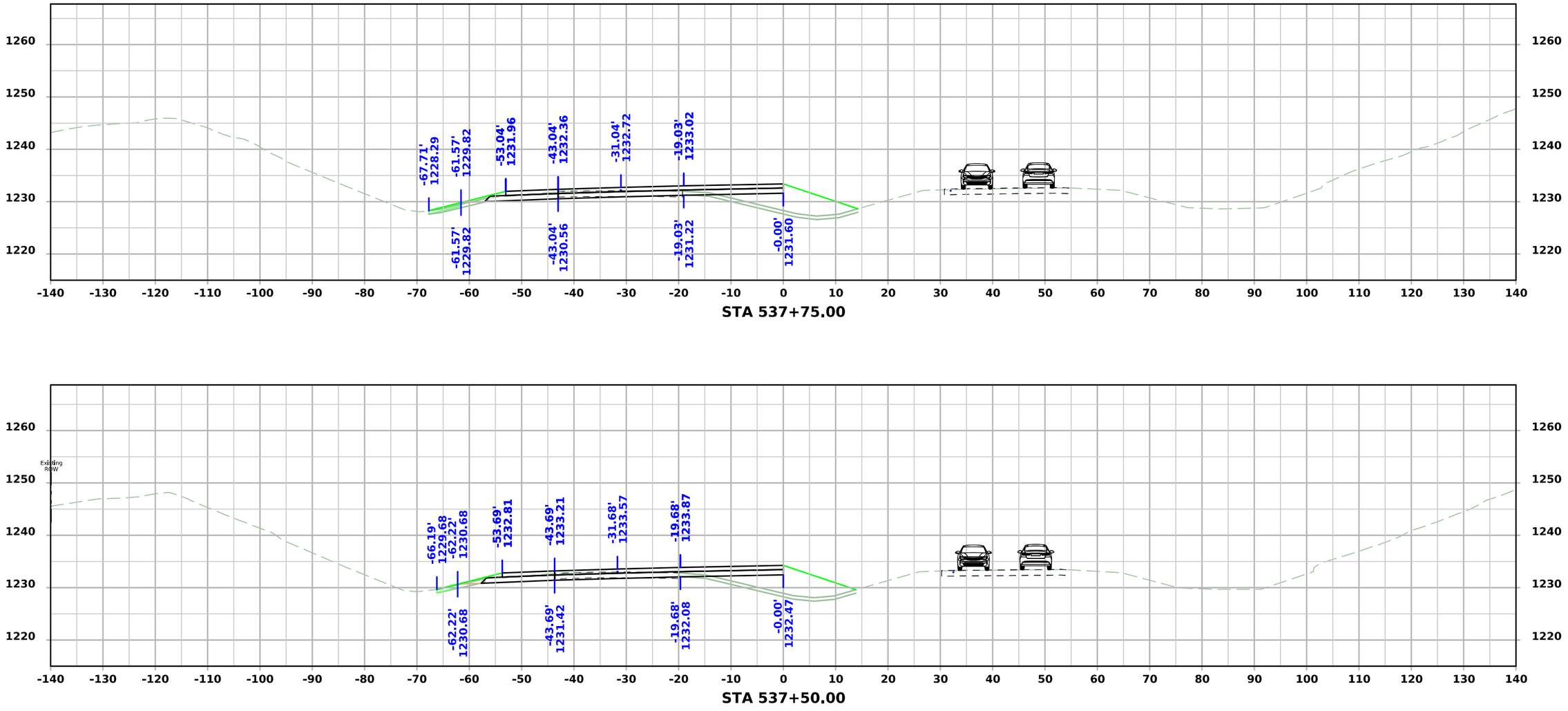


STA 537+00.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2112

8:33:51 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_2_78059056Z06.dgn

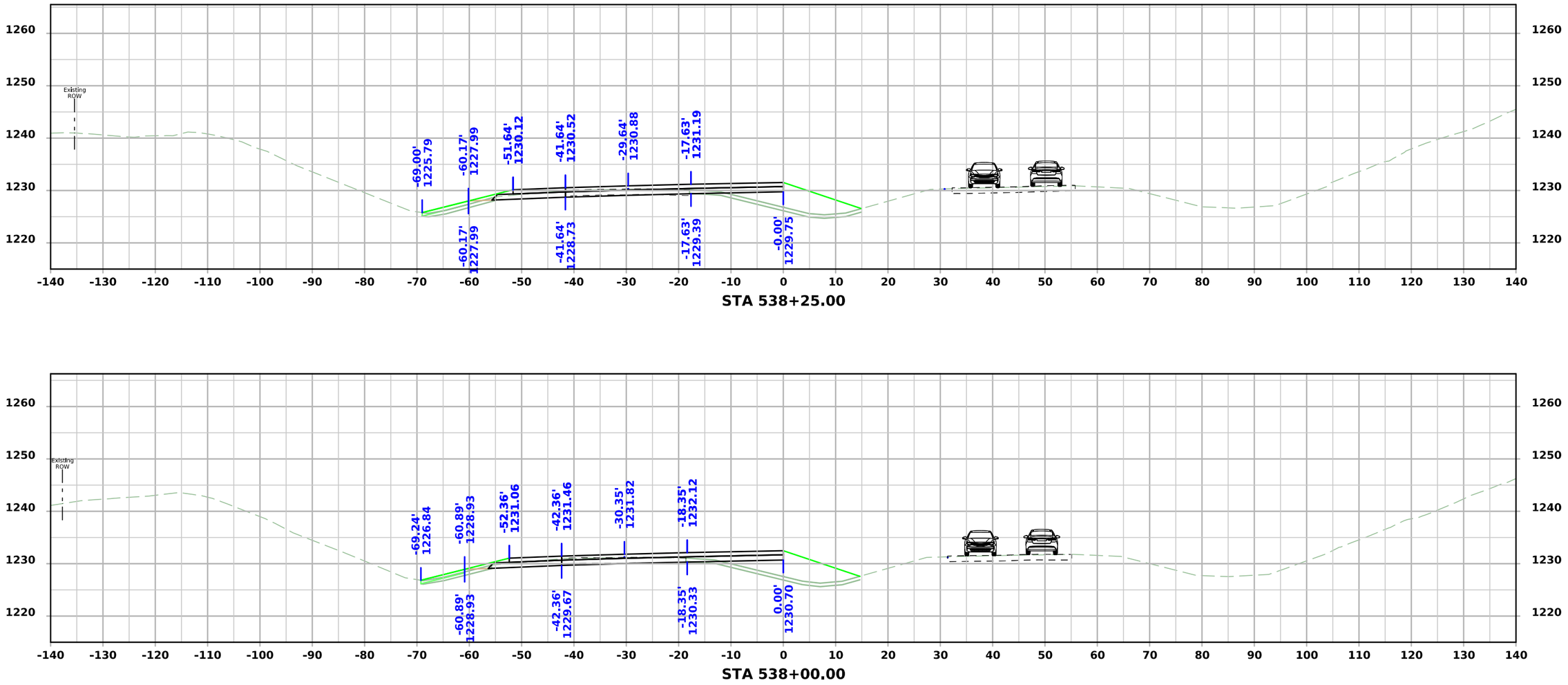
US 59 Stage 2



FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2113

8:33:54 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_2_78059056Z06.dgn

US 59 Stage 2



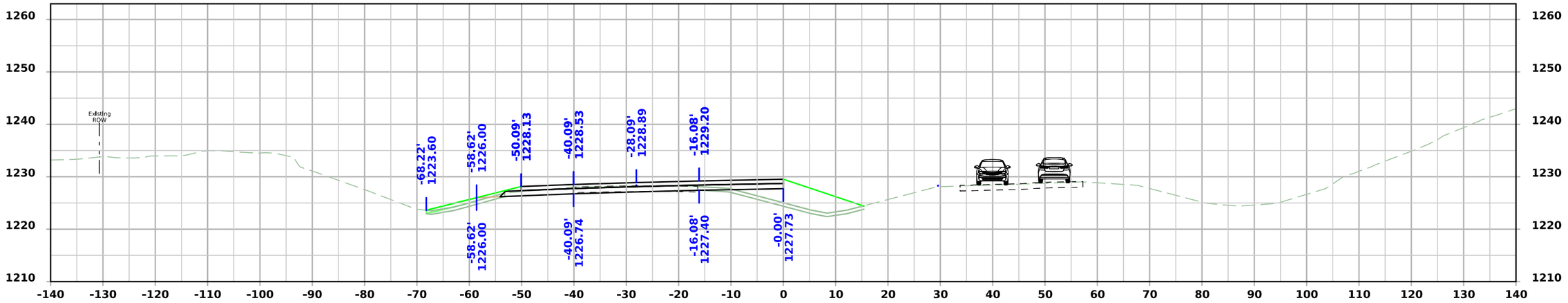
STA 538+25.00

STA 538+00.00

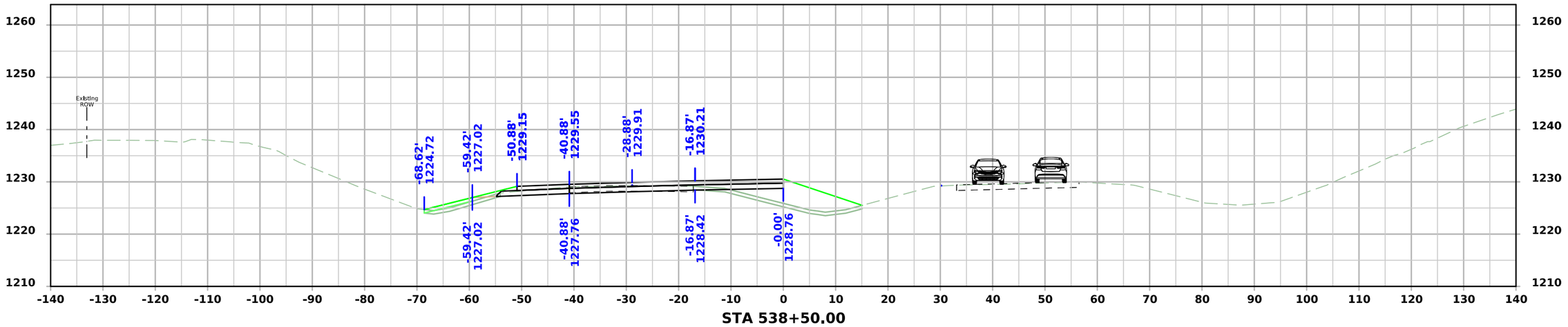
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2114

8:33:57 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_2_78059056Z06.dgn

US 59 Stage 2



STA 538+75.00

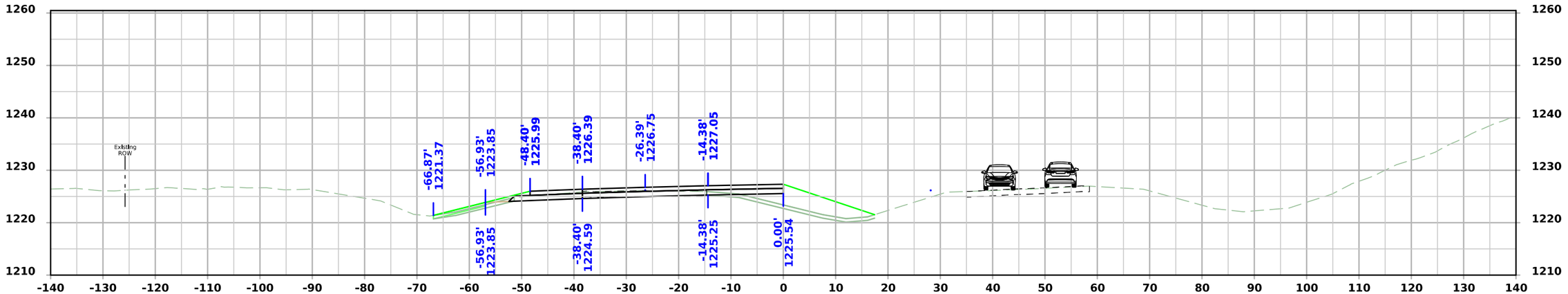


STA 538+50.00

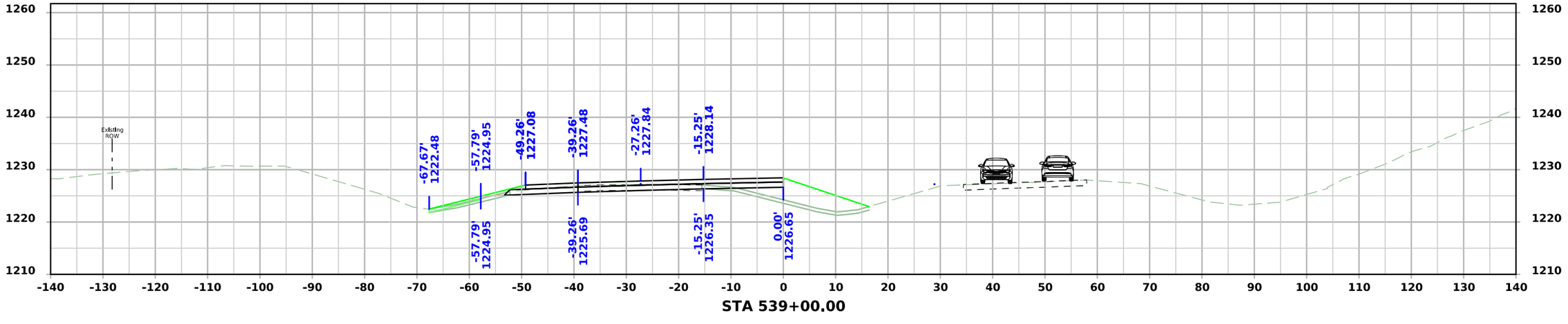
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2115

8:34:00 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_2_78059056Z06.dgn

US 59 Stage 2



STA 539+25.00

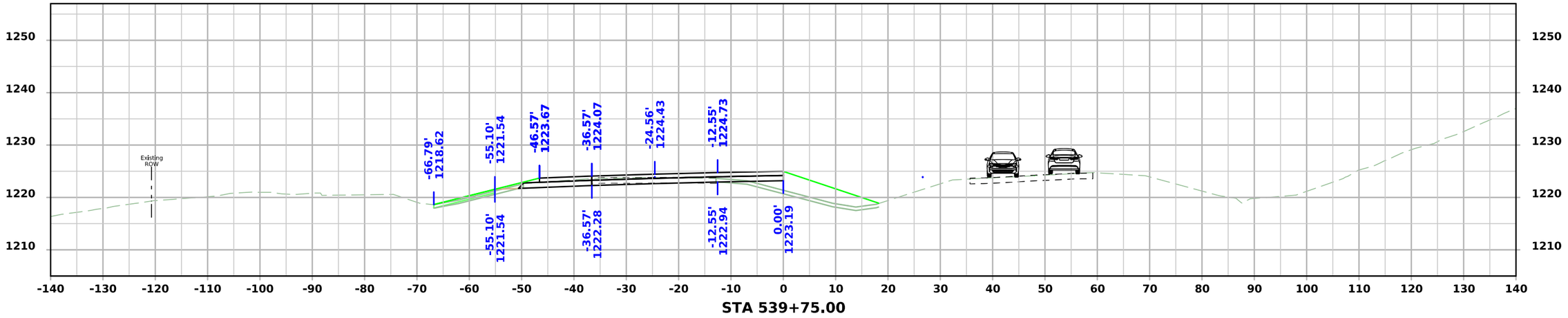


STA 539+00.00

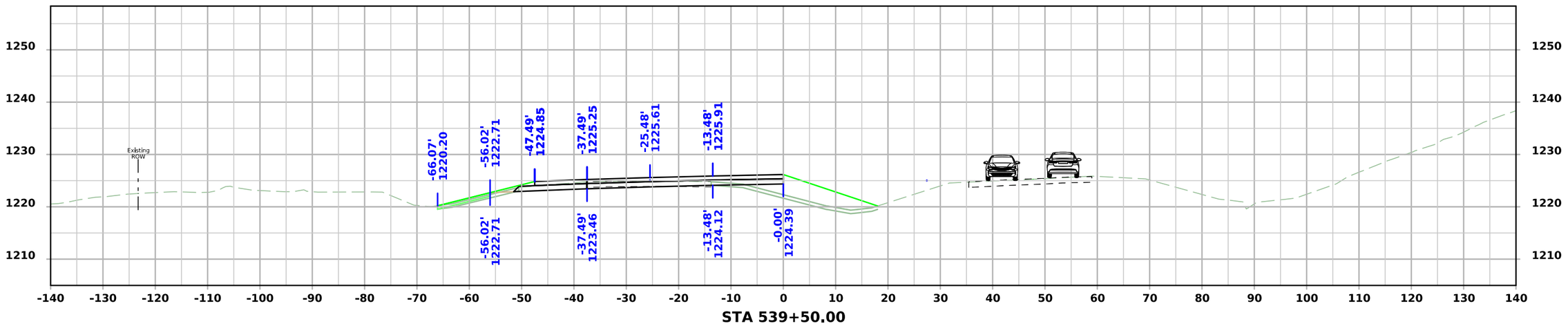
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2116

8:34:03 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_2_78059056Z06.dgn

US 59 Stage 2



STA 539+75.00

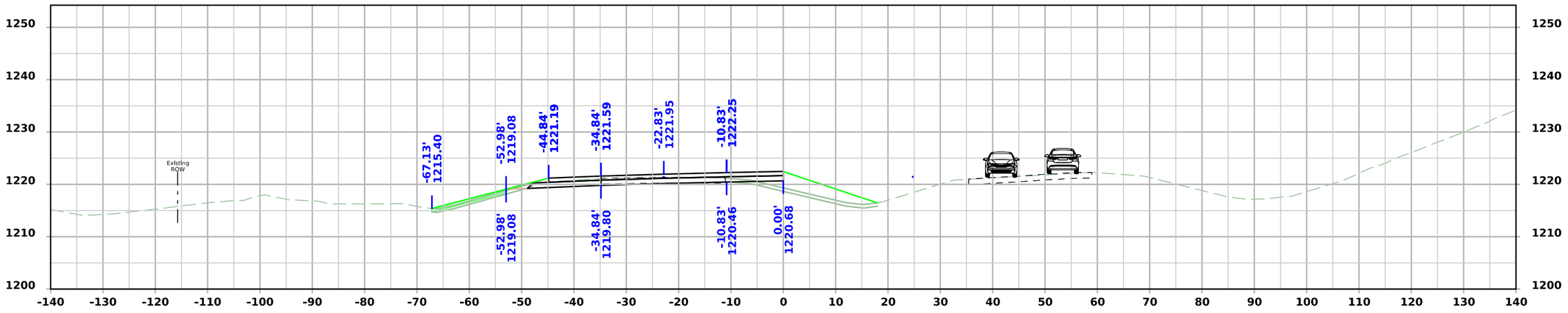


STA 539+50.00

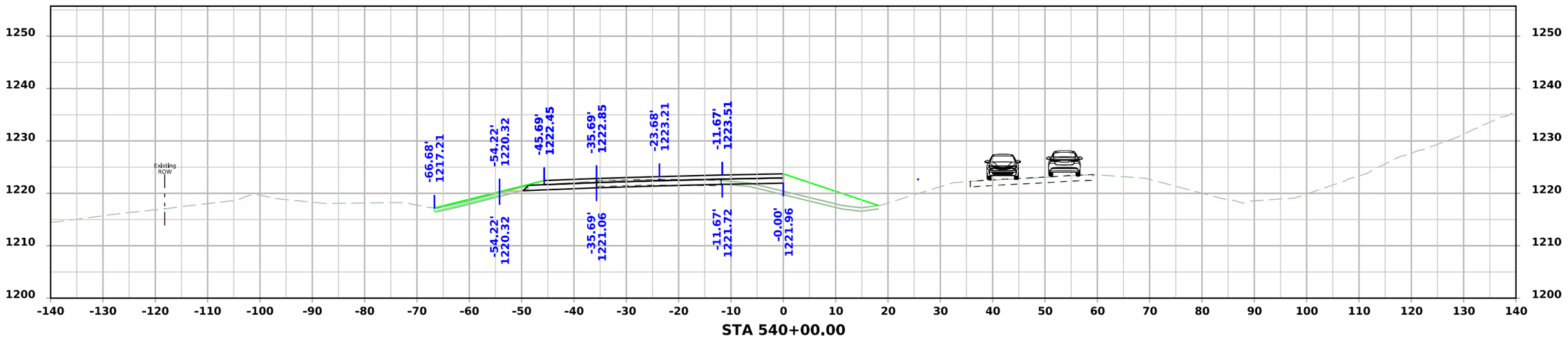
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2117

8:34:06 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_2_78059056Z06.dgn

US 59 Stage 2



STA 540+25.00

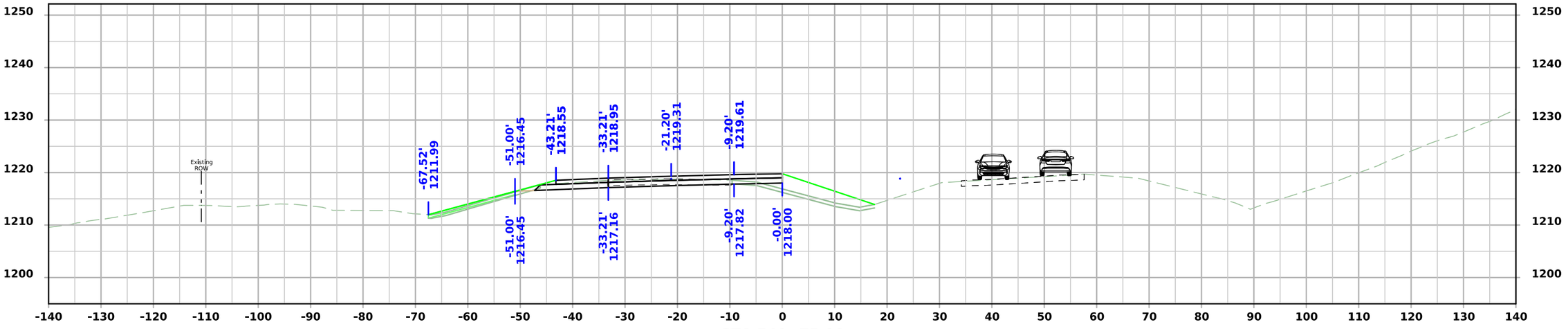


STA 540+00.00

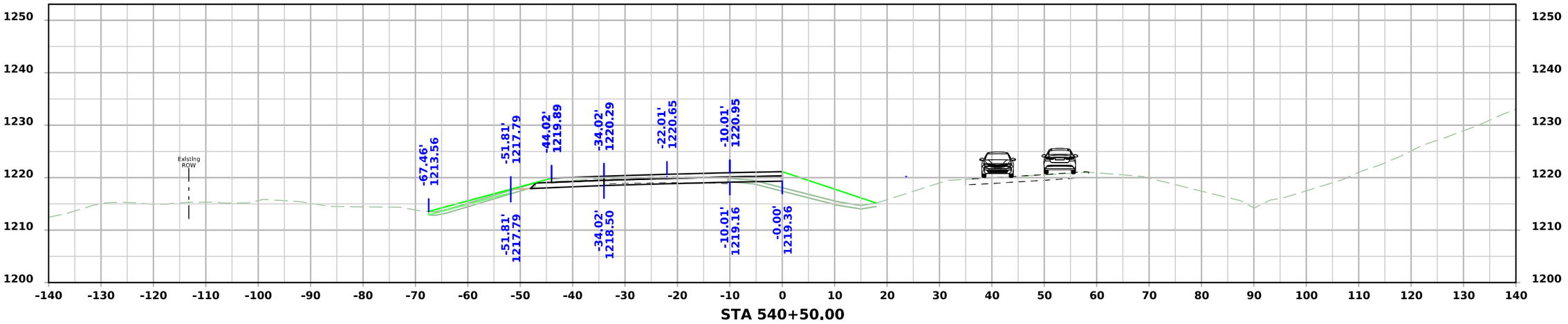
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2118

8:34:09 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_2_78059056Z06.dgn

US 59 Stage 2



STA 540+75.00

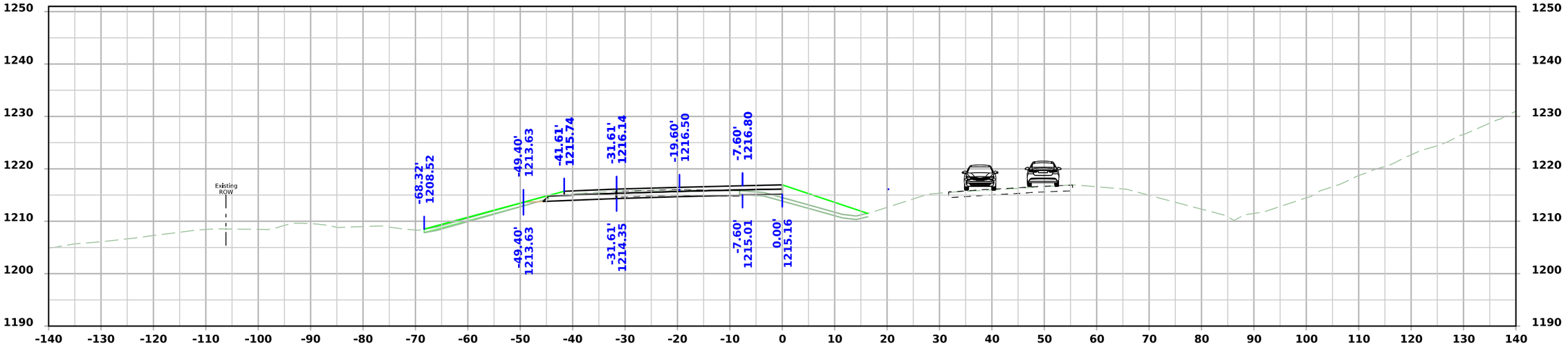


STA 540+50.00

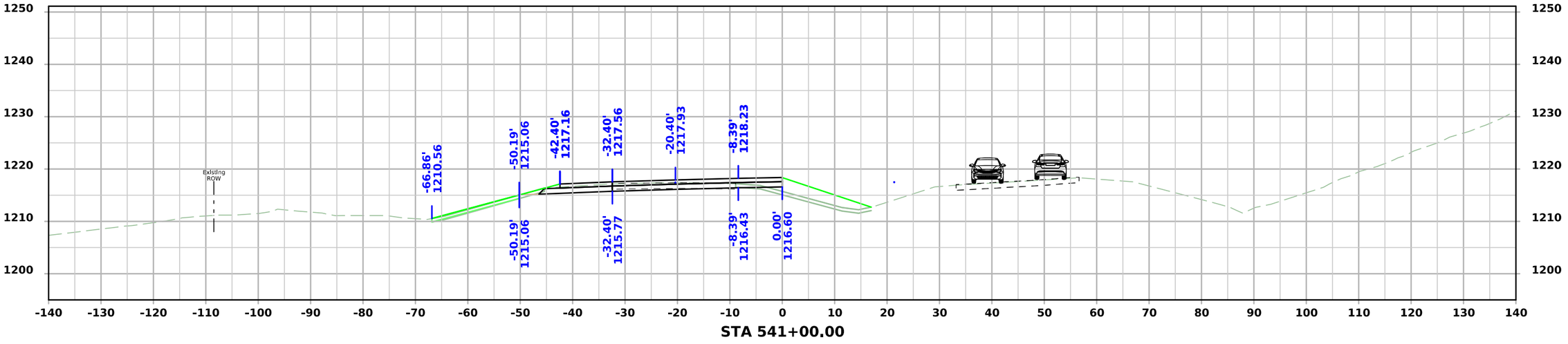
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2119

8:34:11 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_2_78059056Z06.dgn

US 59 Stage 2



STA 541+25.00

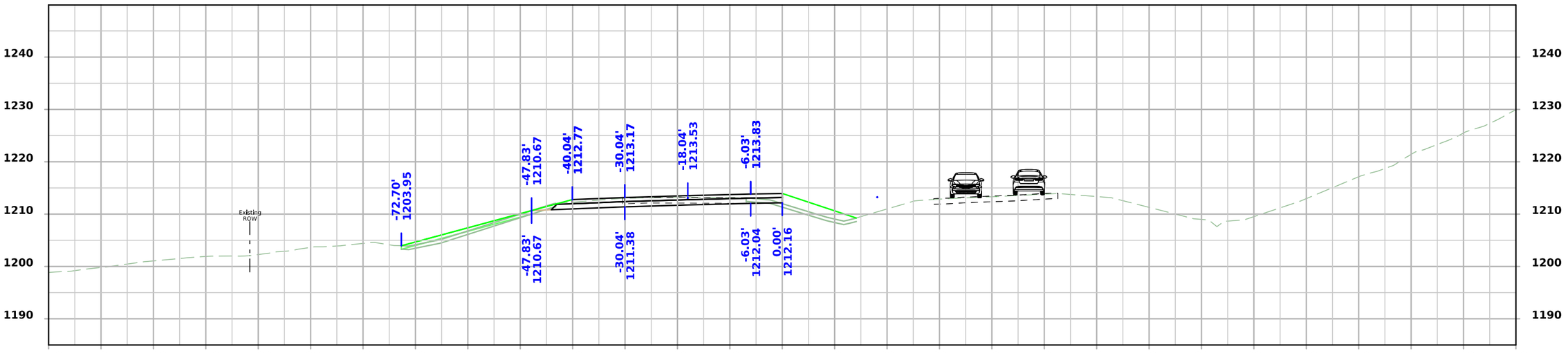


STA 541+00.00

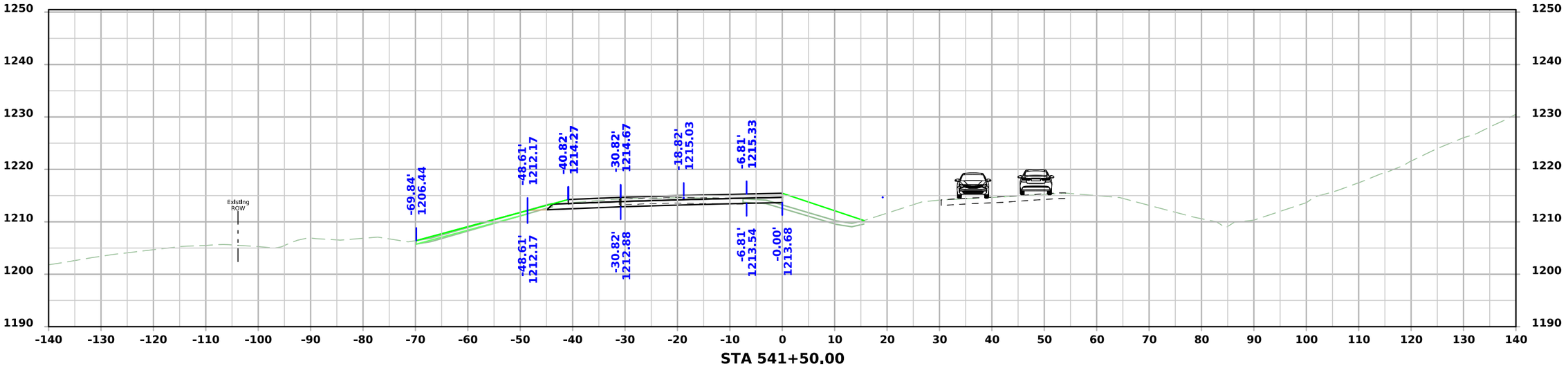
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2120

8:34:14 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_2_78059056Z06.dgn

US 59 Stage 2



STA 541+75.00

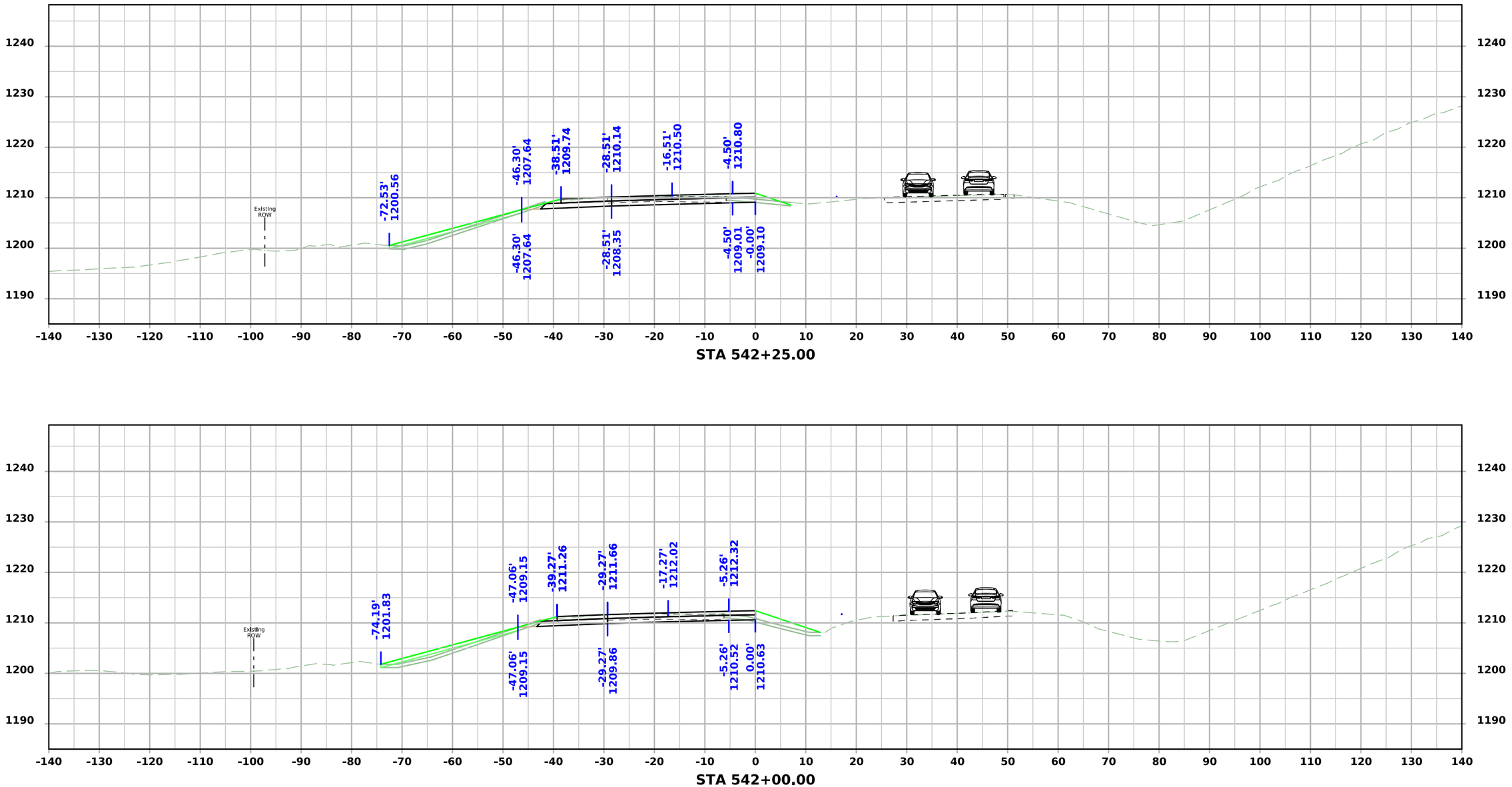


STA 541+50.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2121

8:34:17 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_2_78059056Z06.dgn

US 59 Stage 2



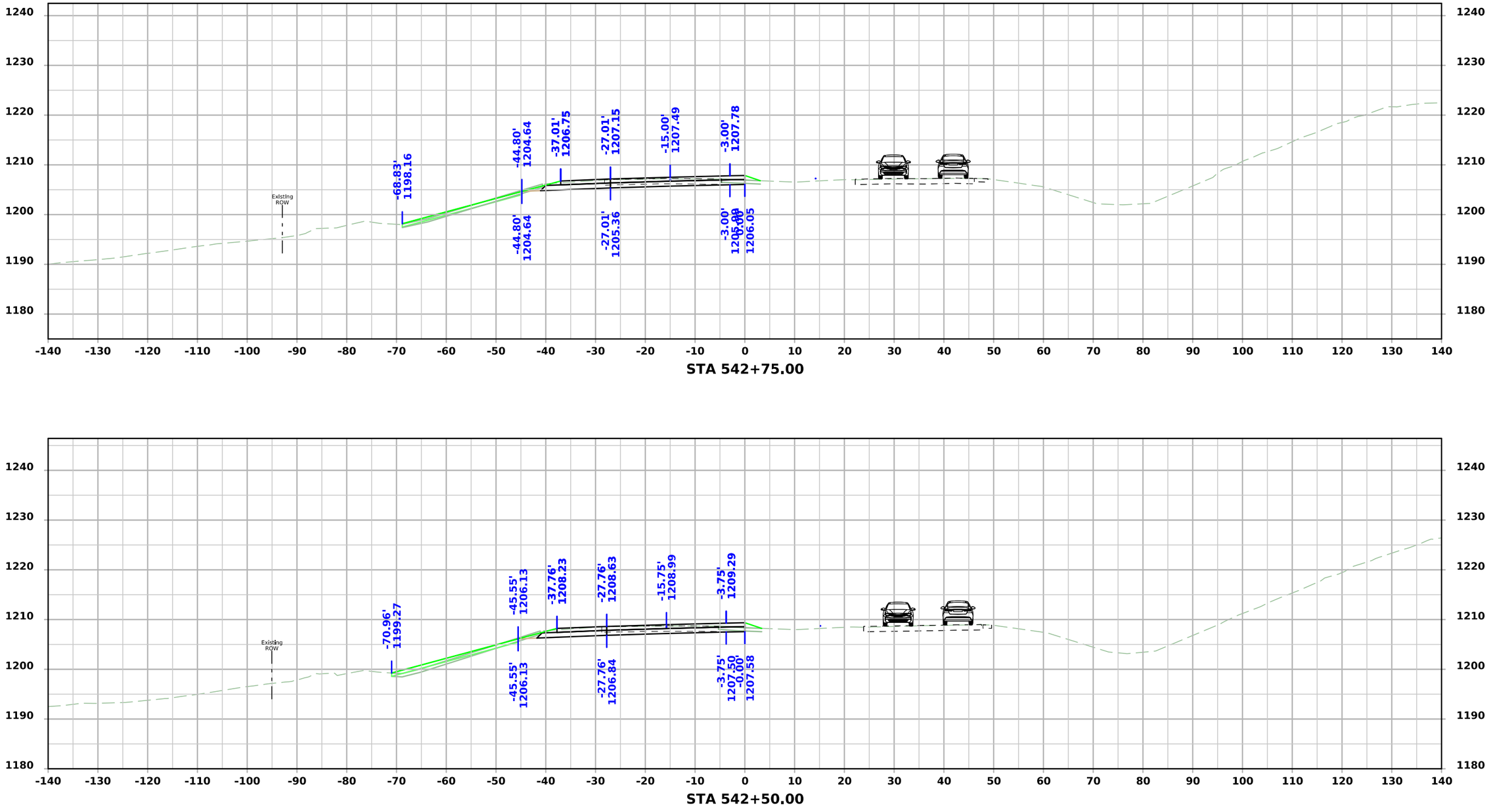
STA 542+25.00

STA 542+00.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2122

8:34:20 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_2_78059056Z06.dgn

US 59 Stage 2



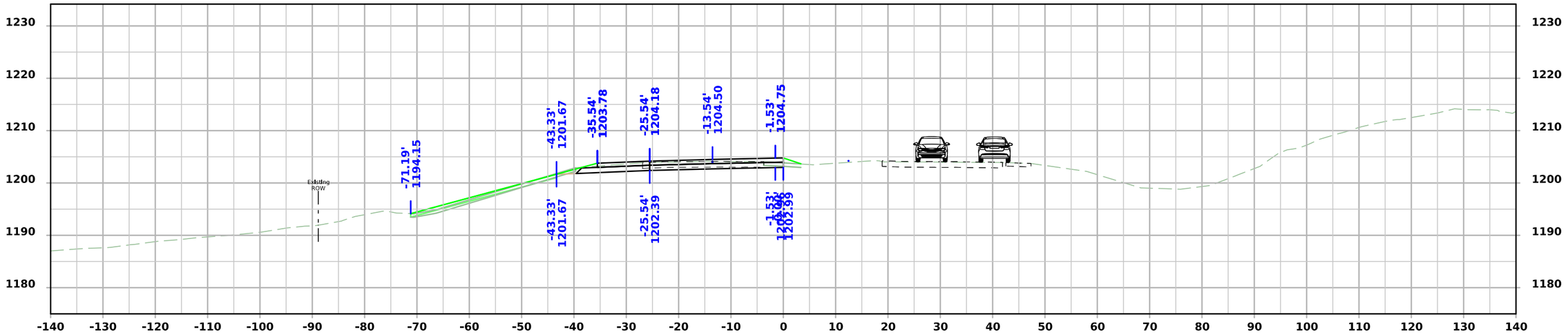
STA 542+75.00

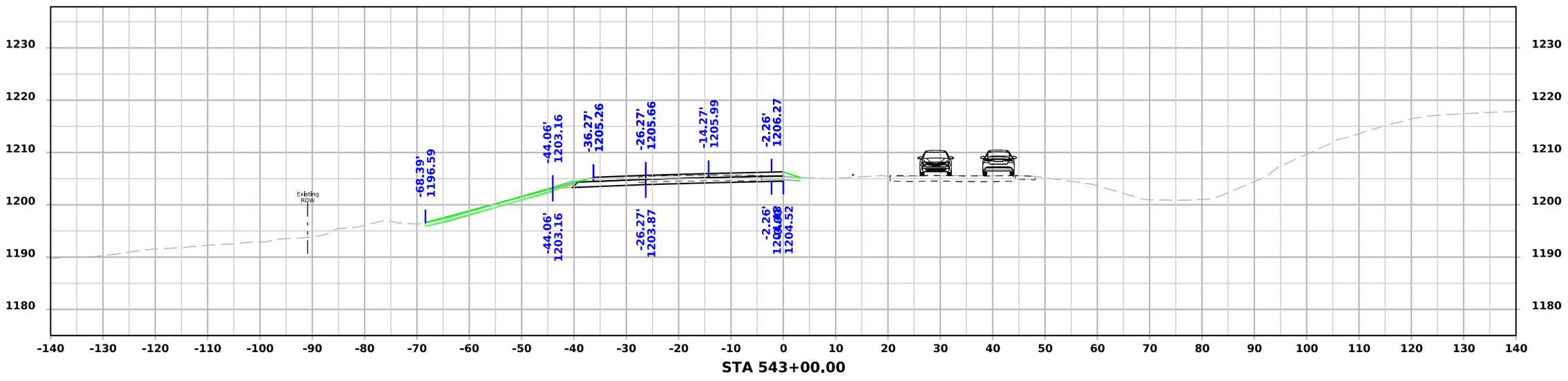
STA 542+50.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2123

8:34:22 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_2_78059056Z06.dgn

US 59 Stage 2

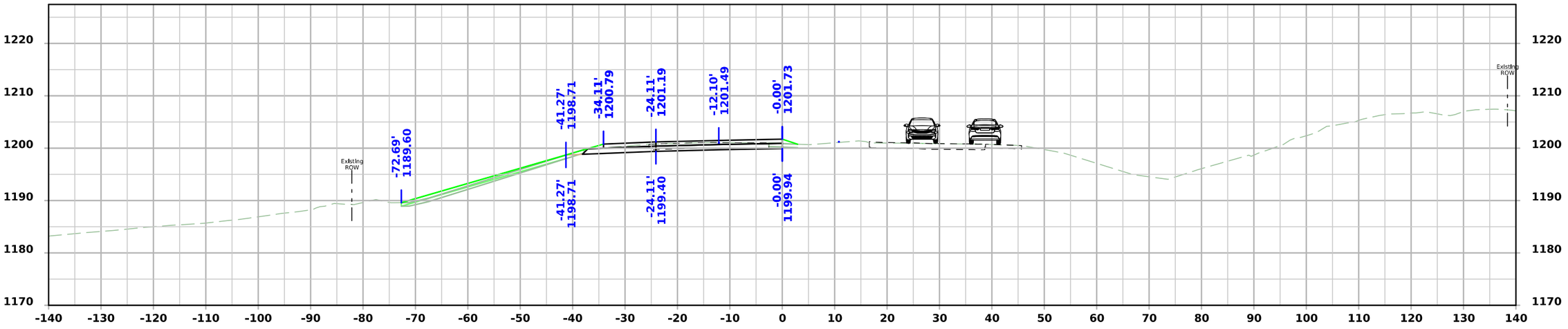




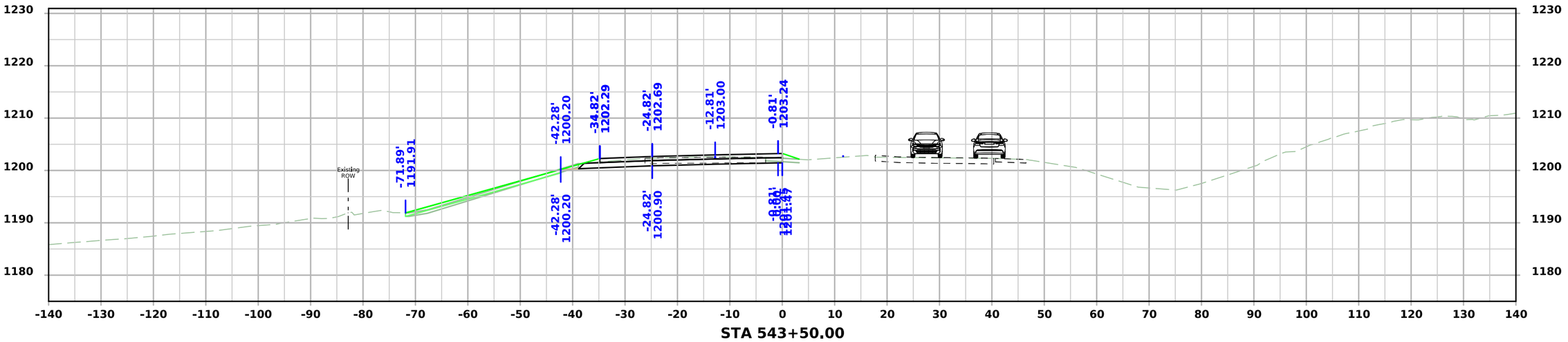
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2124

8:34:25 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_2_78059056Z06.dgn

US 59 Stage 2



STA 543+75.00

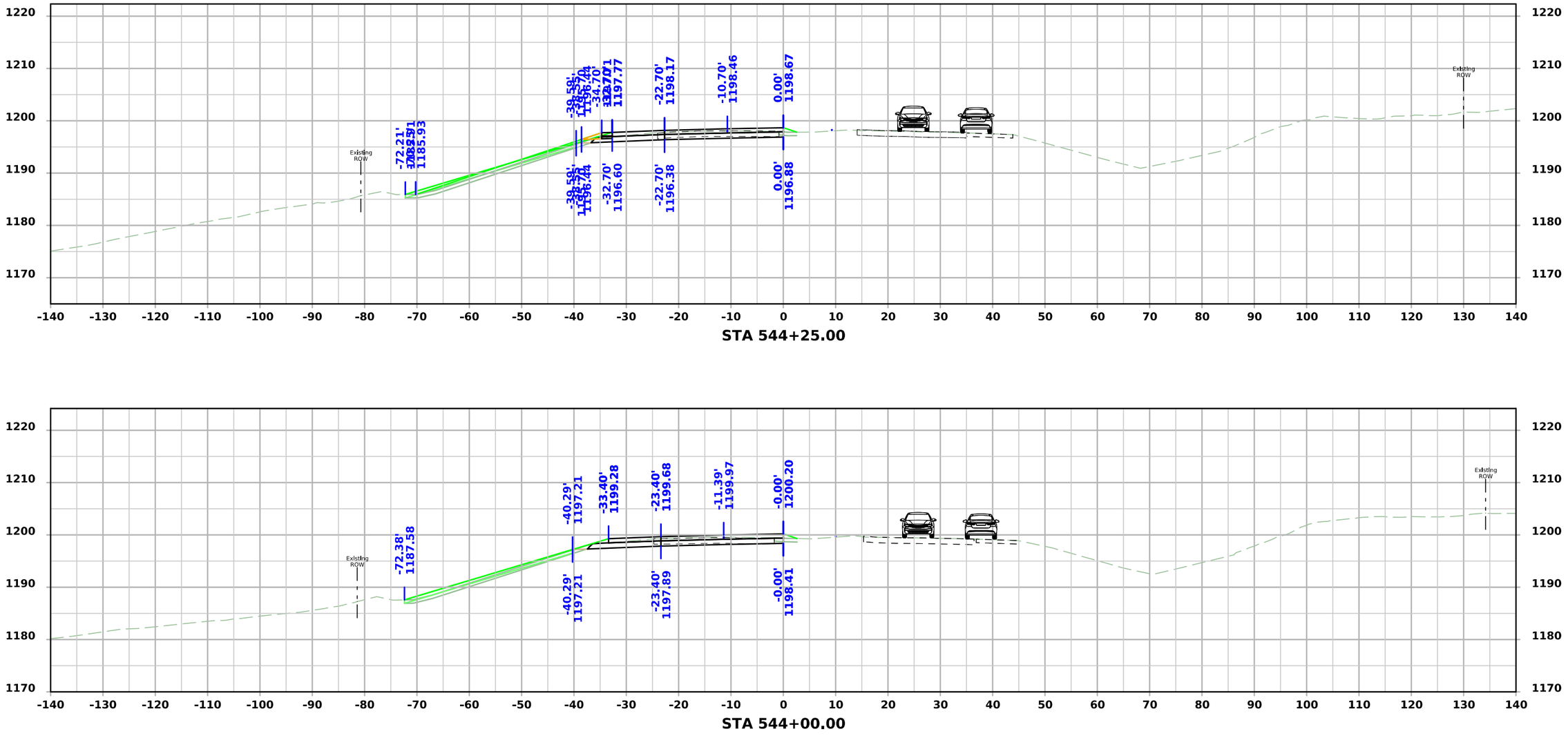


STA 543+50.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2125

8:34:27 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_2_78059056Z06.dgn

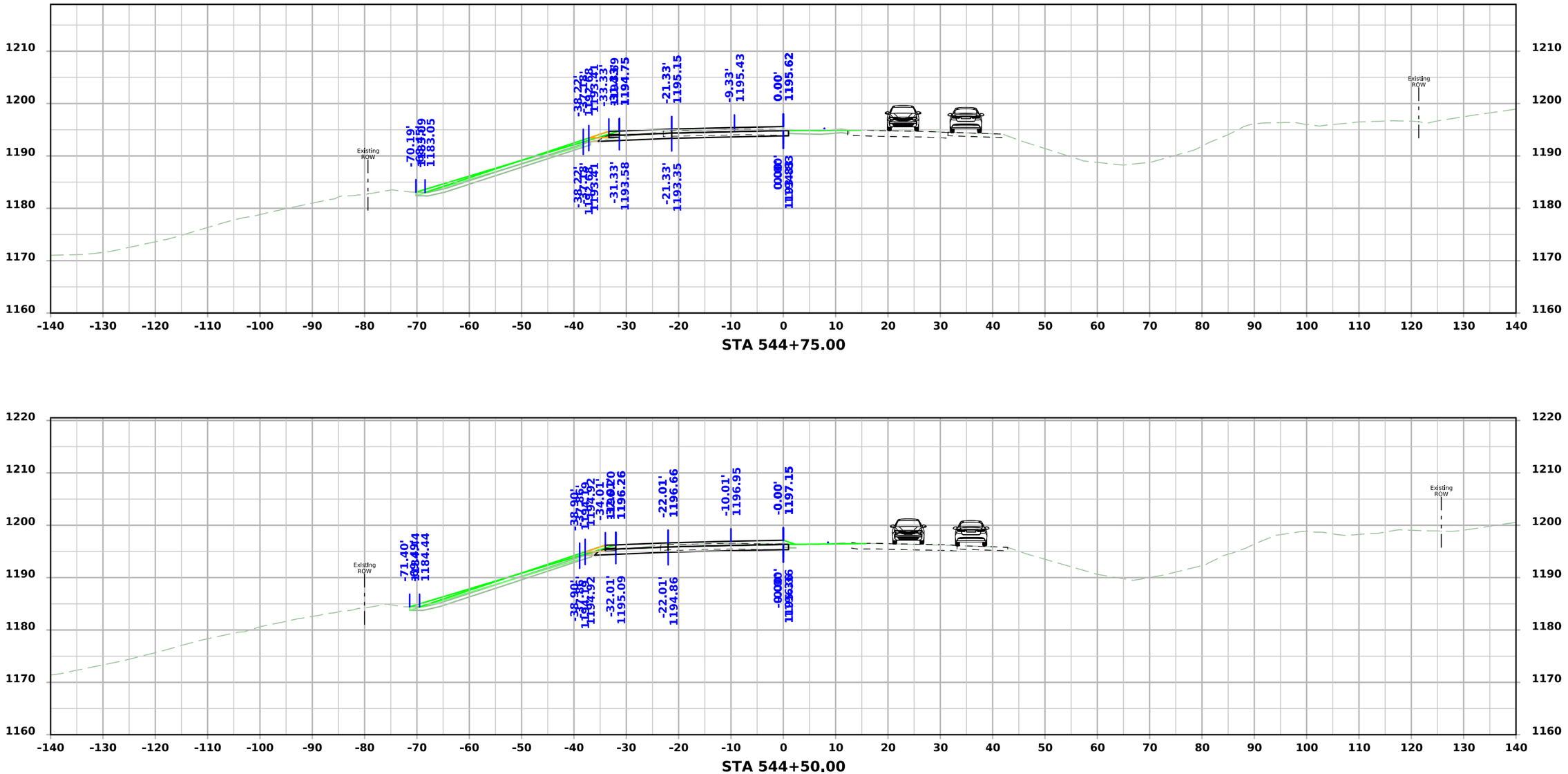
US 59 Stage 2



FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2126

8:34:30 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_2_78059056Z06.dgn

US 59 Stage 2



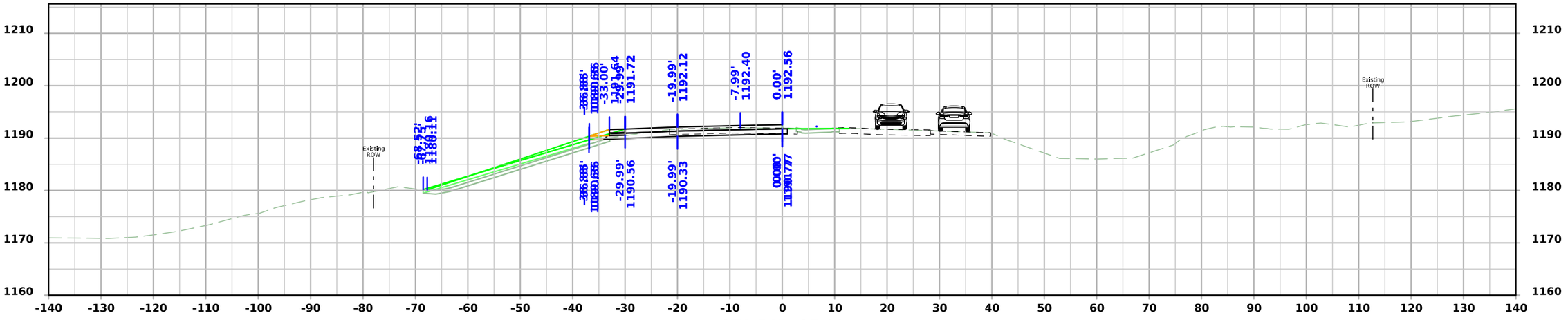
STA 544+75.00

STA 544+50.00

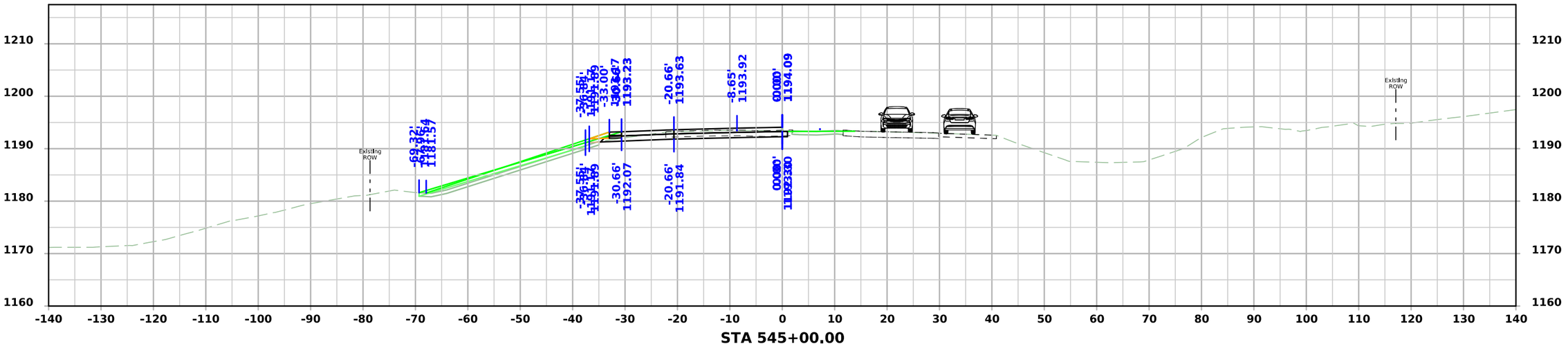
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2127

8:34:33 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_2_78059056Z06.dgn

US 59 Stage 2



STA 545+25.00

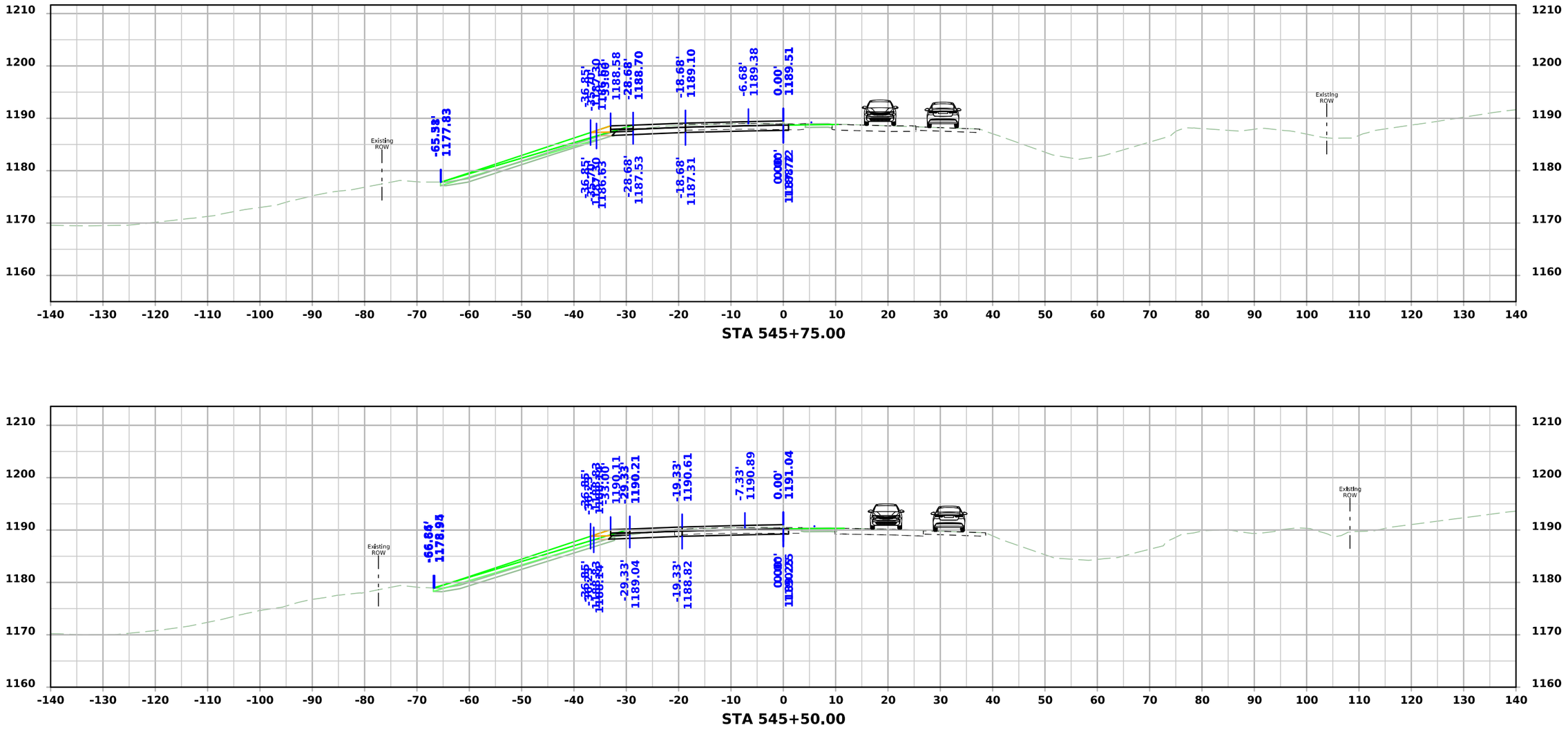


STA 545+00.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2128

8:34:36 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_2_78059056Z06.dgn

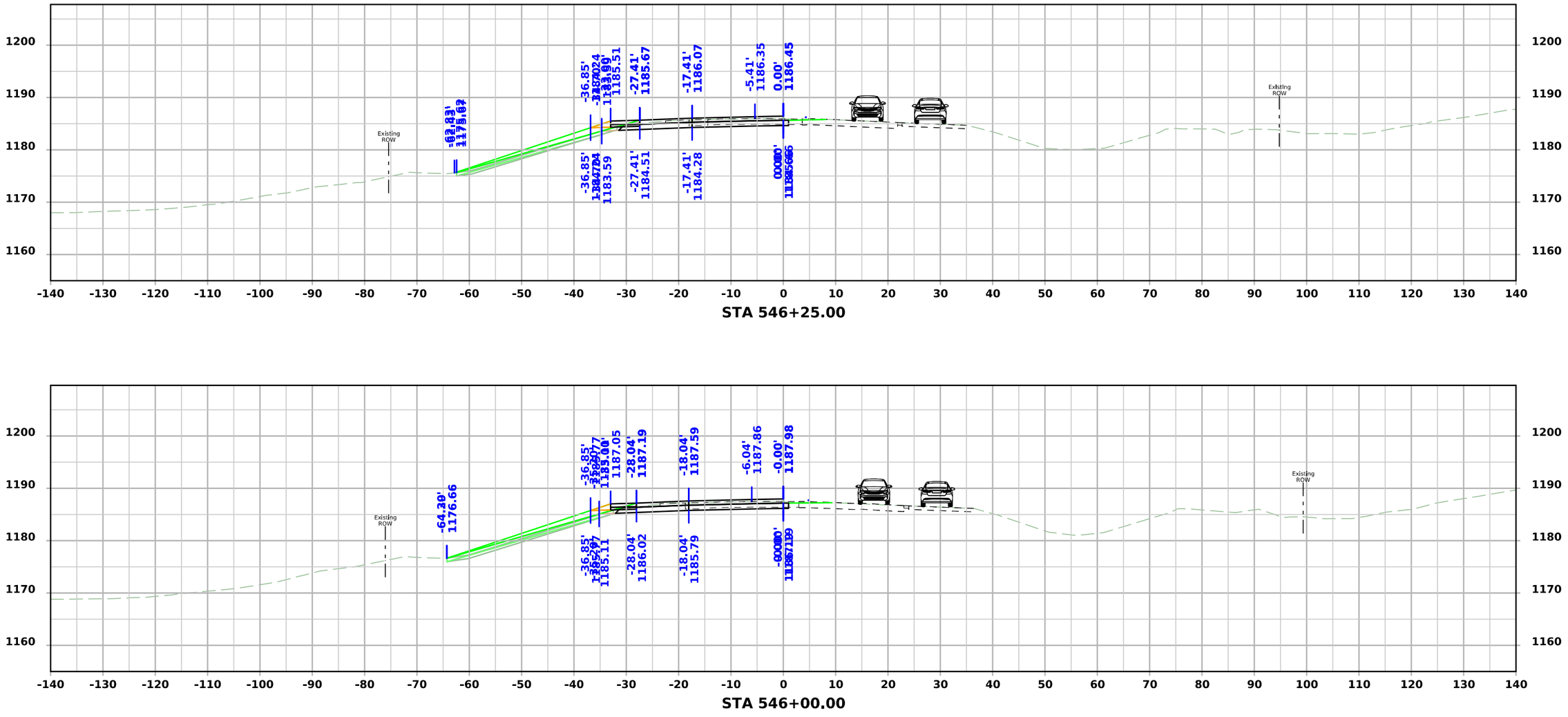
US 59 Stage 2



FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2129

8:34:38 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_2_78059056Z06.dgn

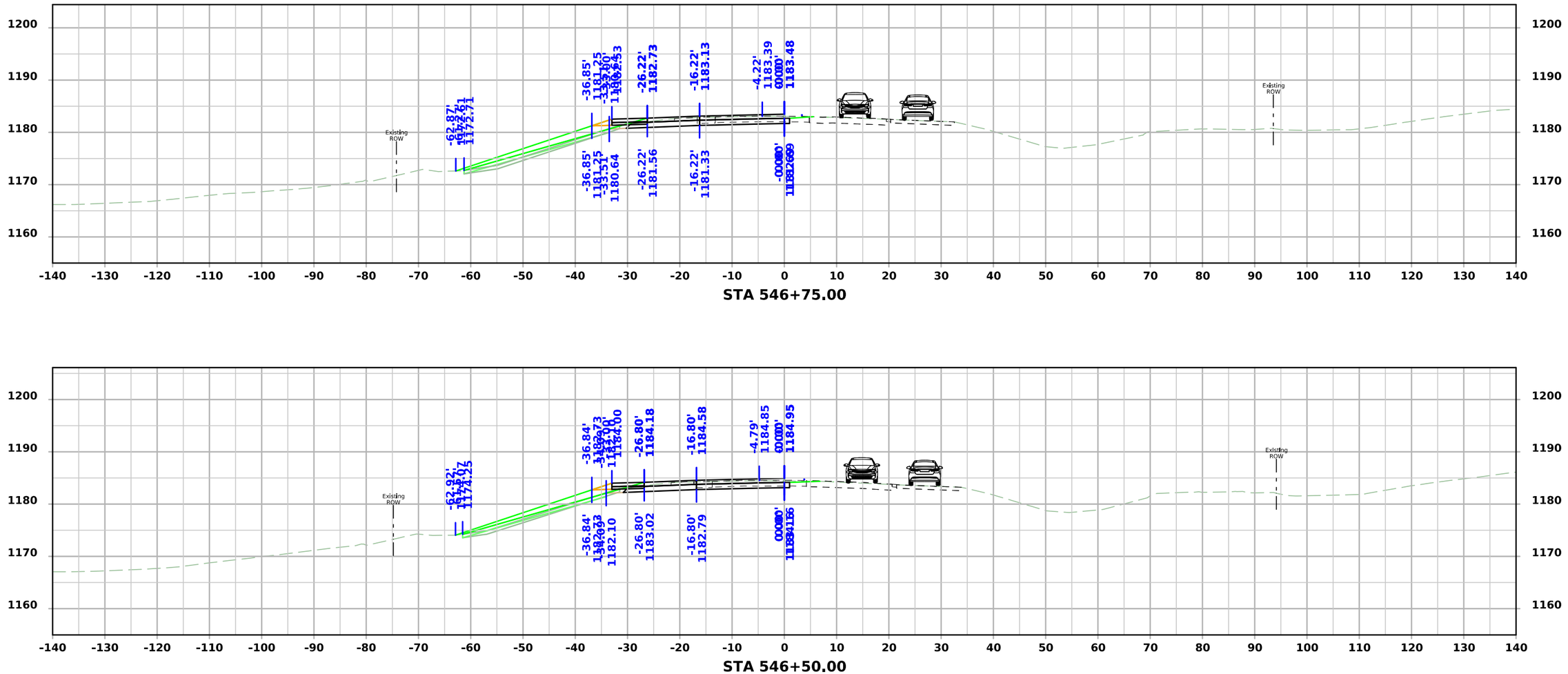
US 59 Stage 2



FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2130

8:34:41 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_2_78059056Z06.dgn

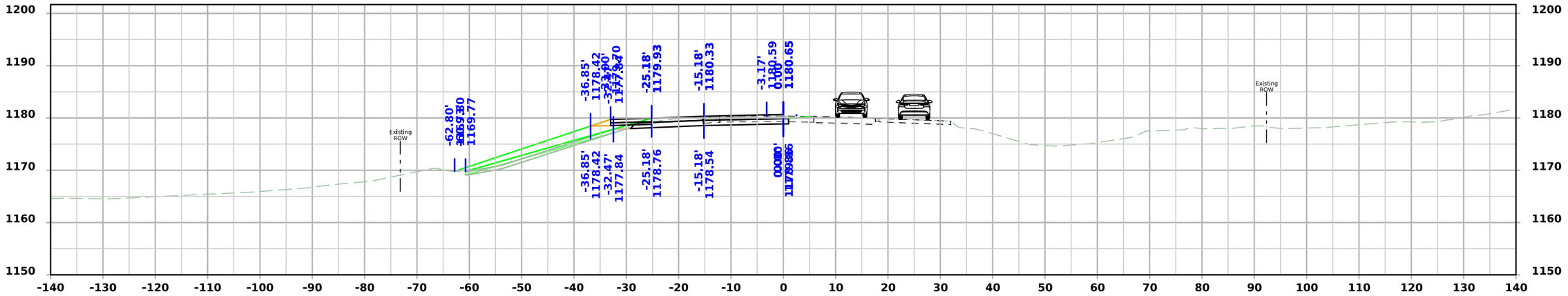
US 59 Stage 2



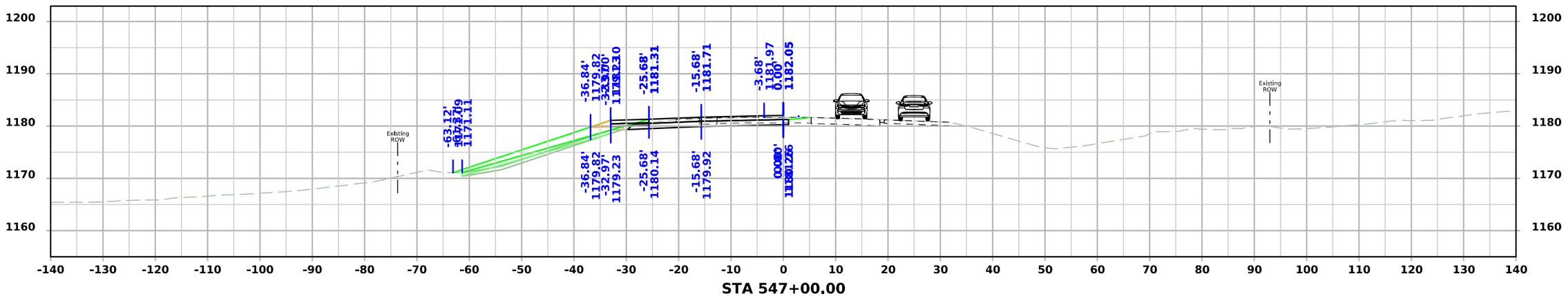
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2131

8:34:44 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_2_78059056Z06.dgn

US 59 Stage 2



STA 547+25.00

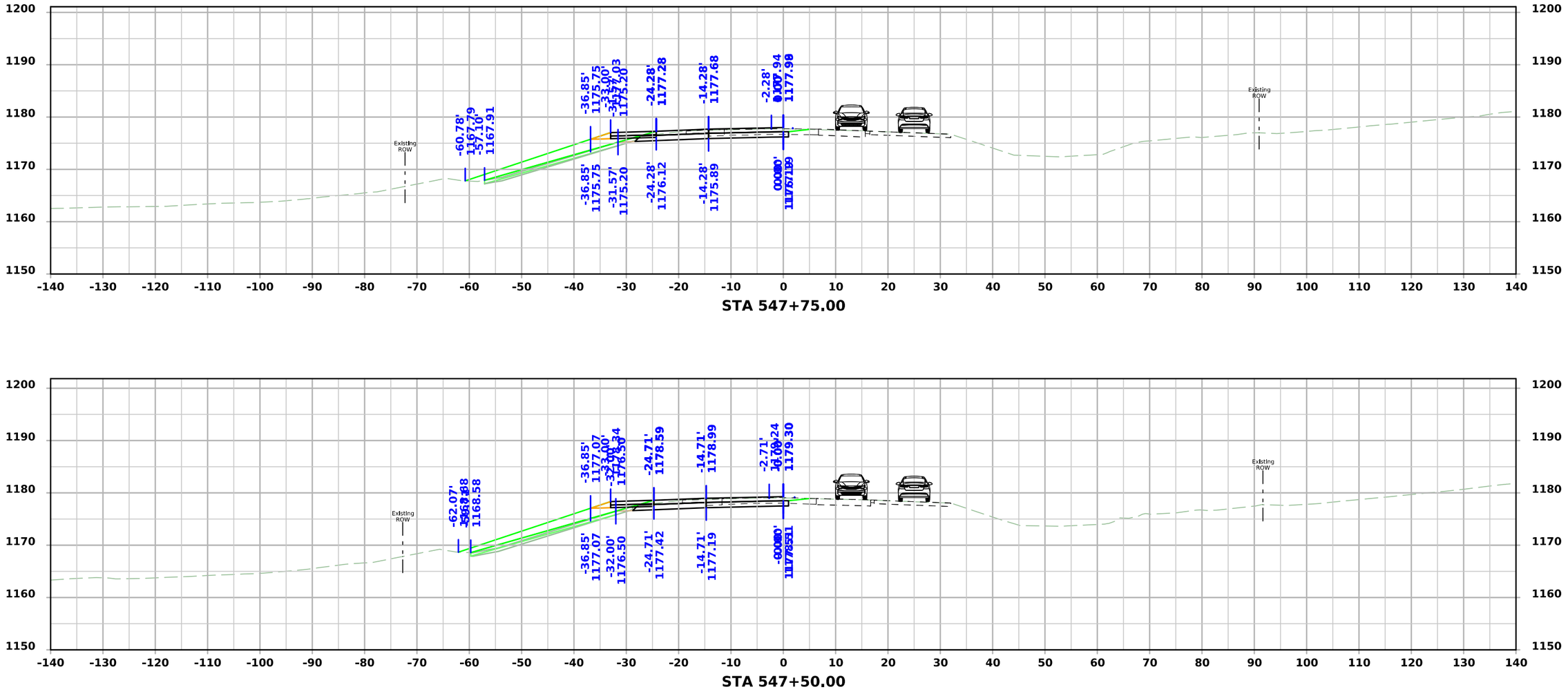


STA 547+00.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2132

8:34:47 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_2_78059056Z06.dgn

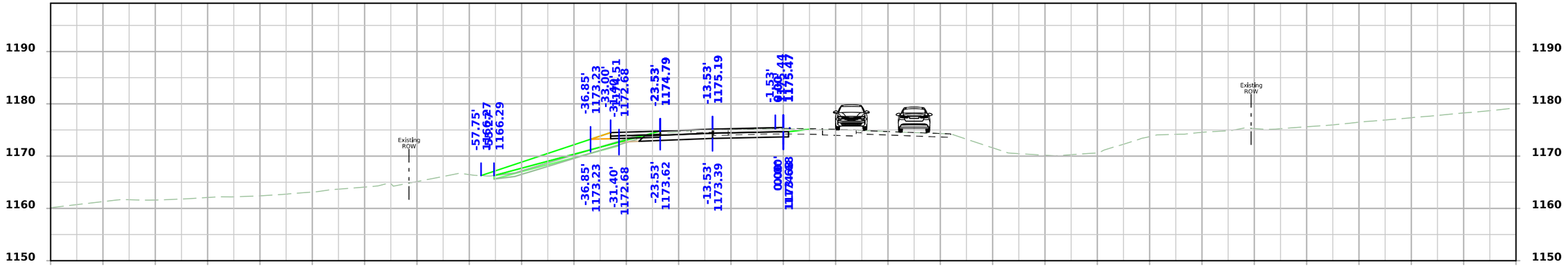
US 59 Stage 2



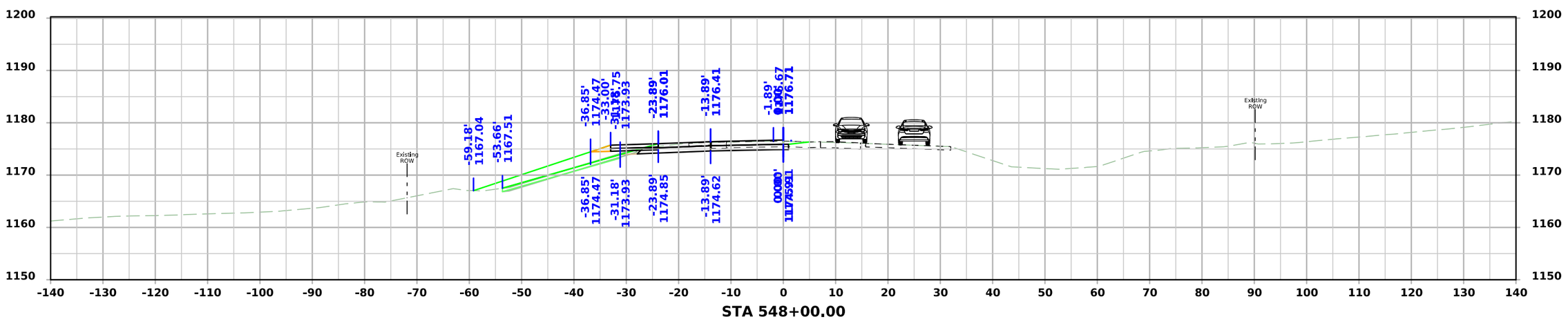
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2133

8:34:49 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_2_78059056Z06.dgn

US 59 Stage 2



STA 548+25.00

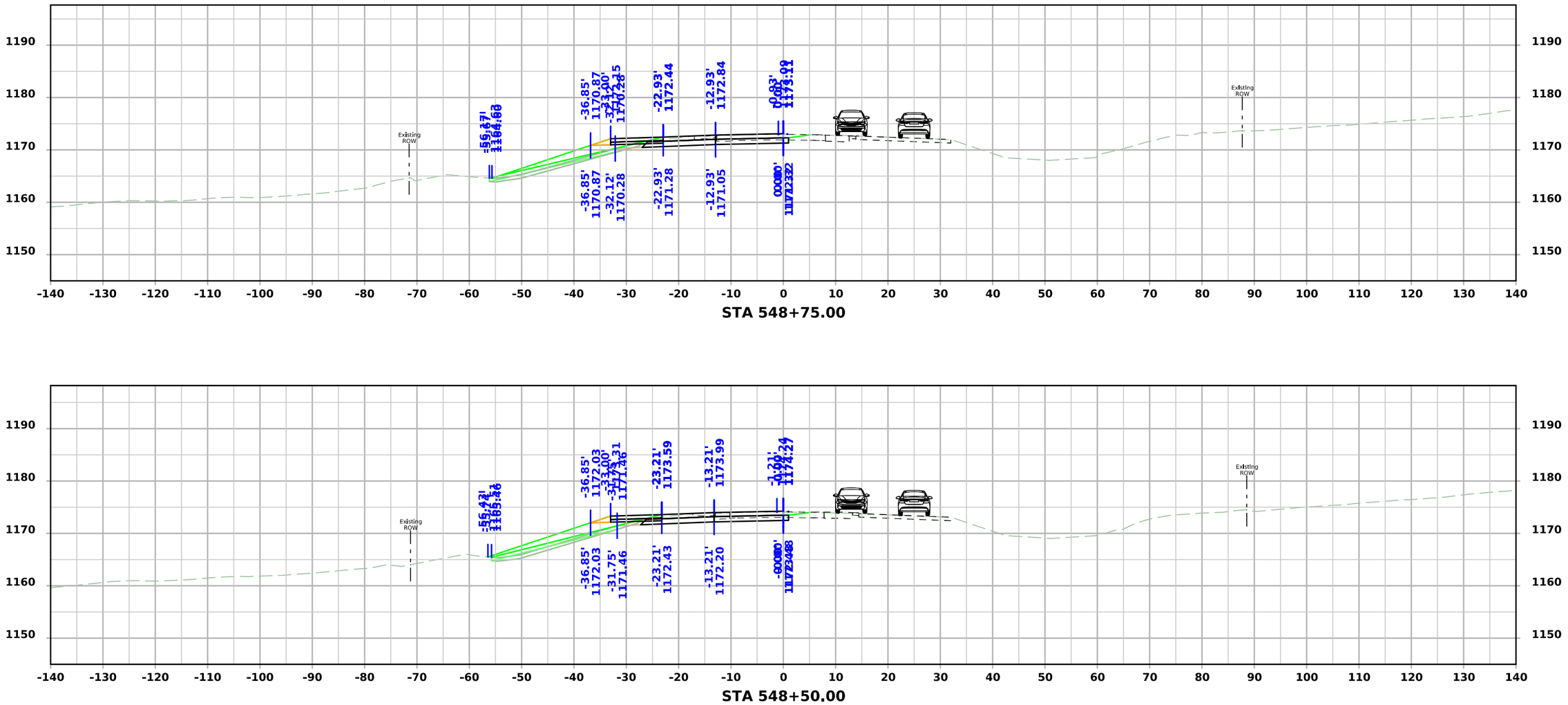


STA 548+00.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2134

8:34:52 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_2_78059056Z06.dgn

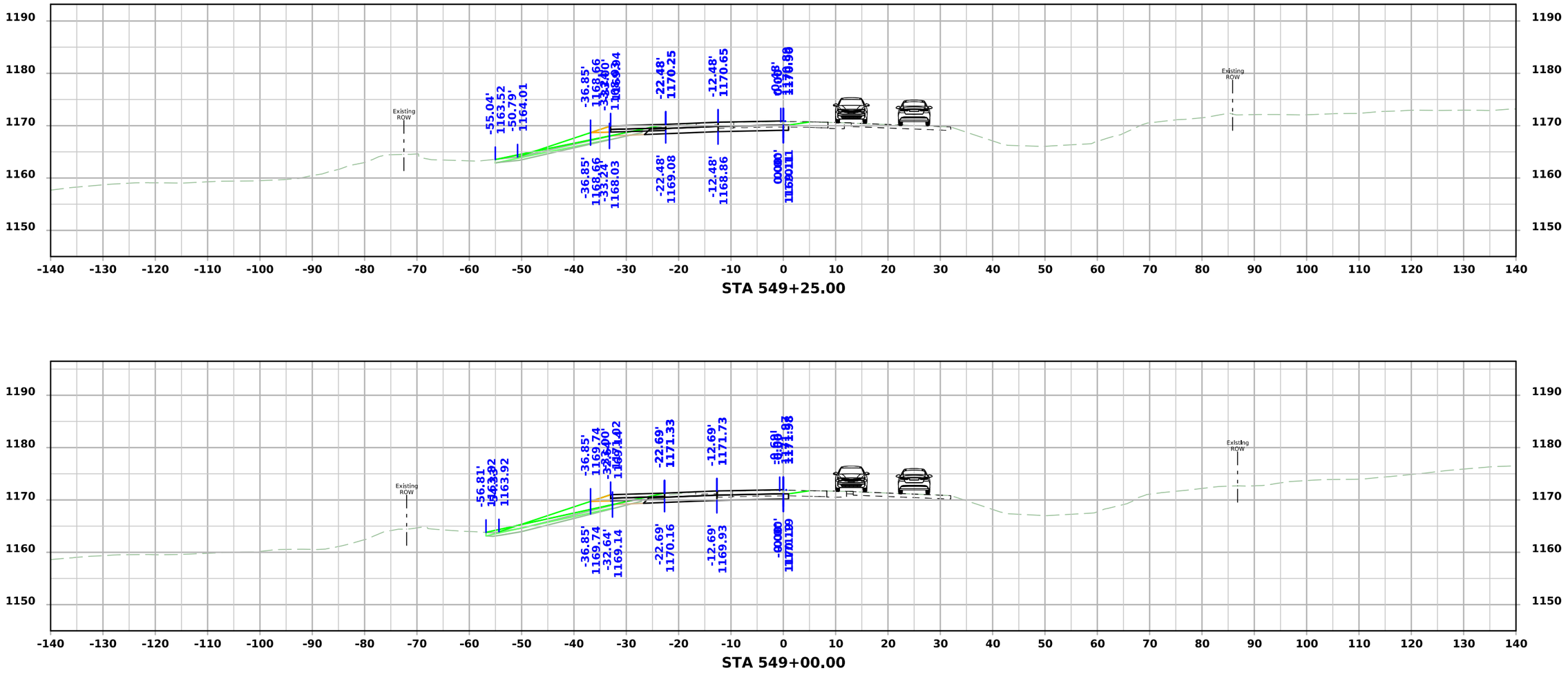
US 59 Stage 2



FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2135

8:34:54 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_2_78059056Z06.dgn

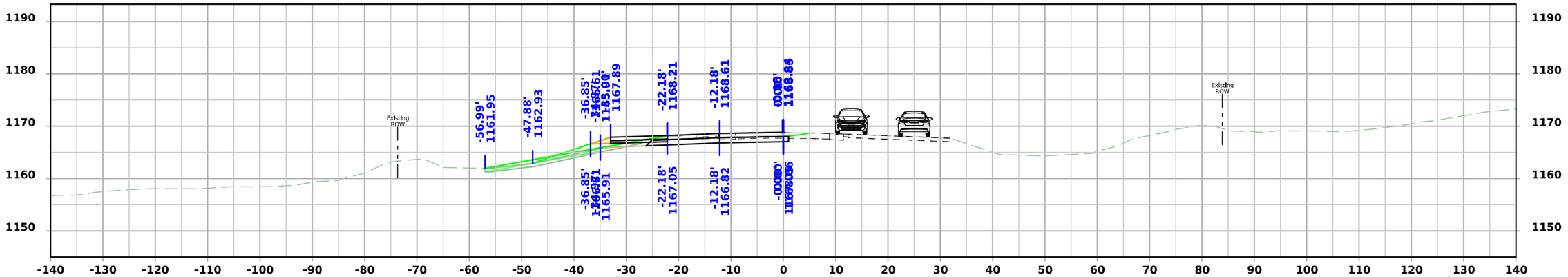
US 59 Stage 2



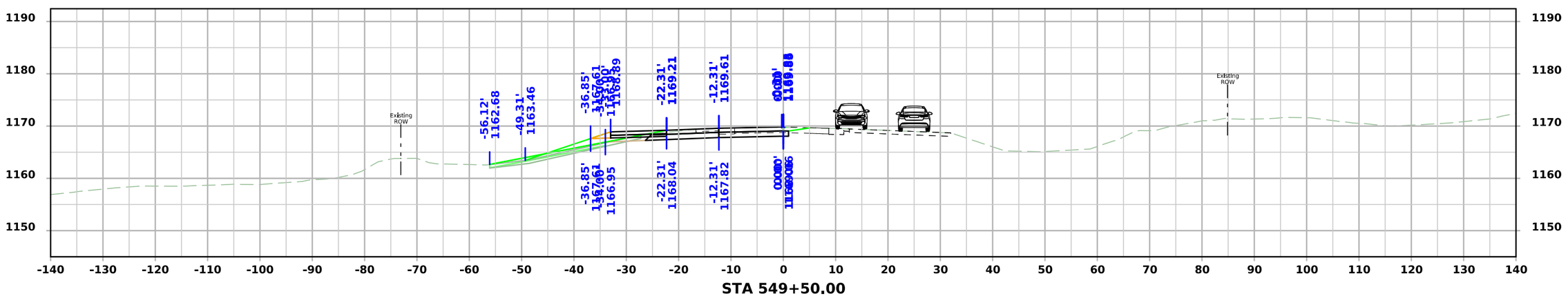
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2136

8:34:57 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_2_78059056Z06.dgn

US 59 Stage 2



STA 549+75.00

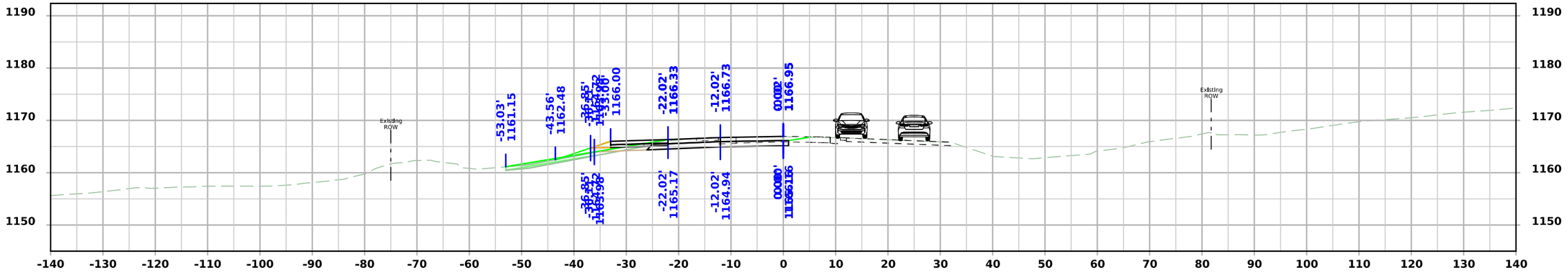


STA 549+50.00

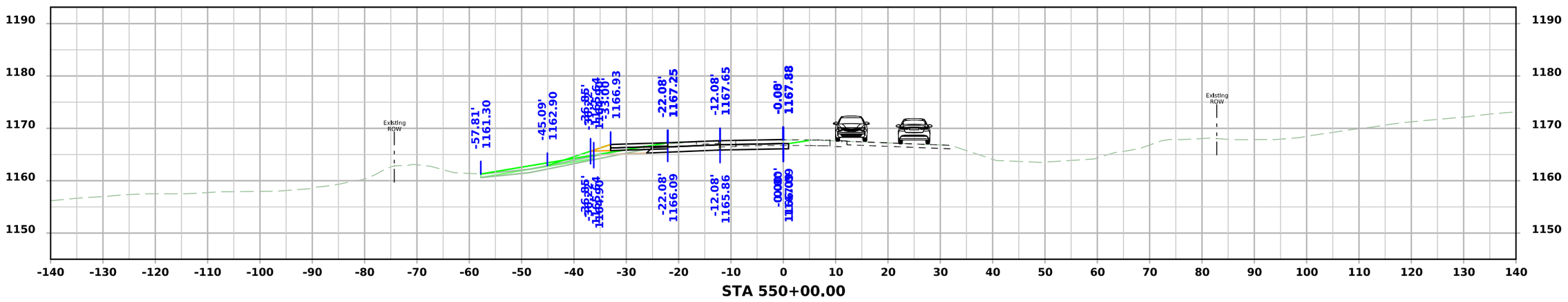
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2137

8:34:59 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_2_78059056Z06.dgn

US 59 Stage 2



STA 550+25.00

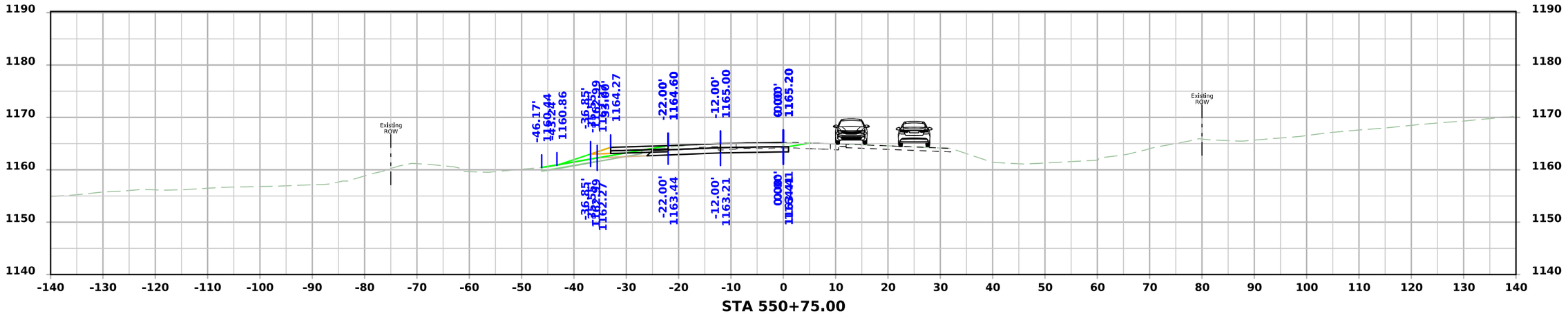


STA 550+00.00

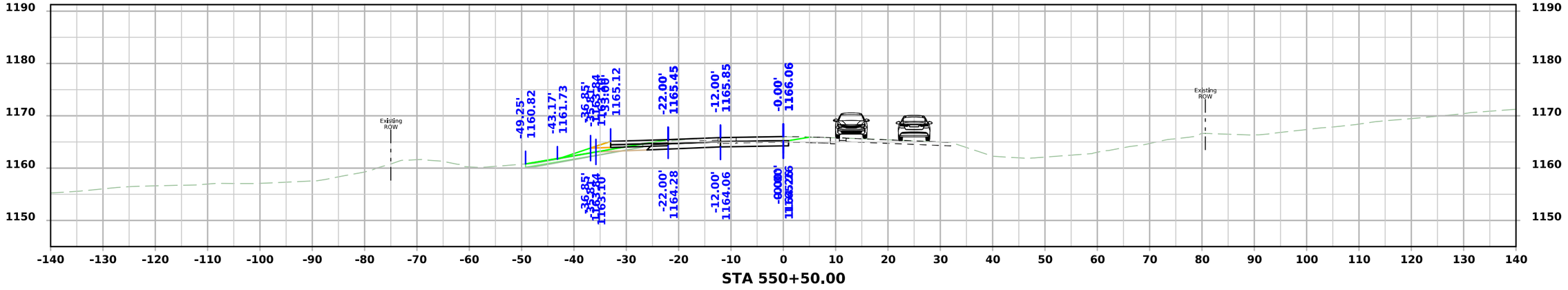
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2138

8:35:02 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_2_78059056Z06.dgn

US 59 Stage 2



STA 550+75.00

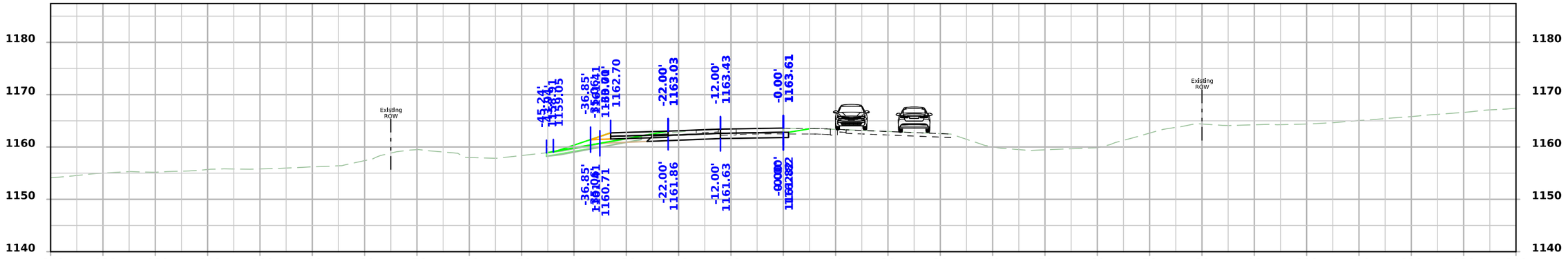


STA 550+50.00

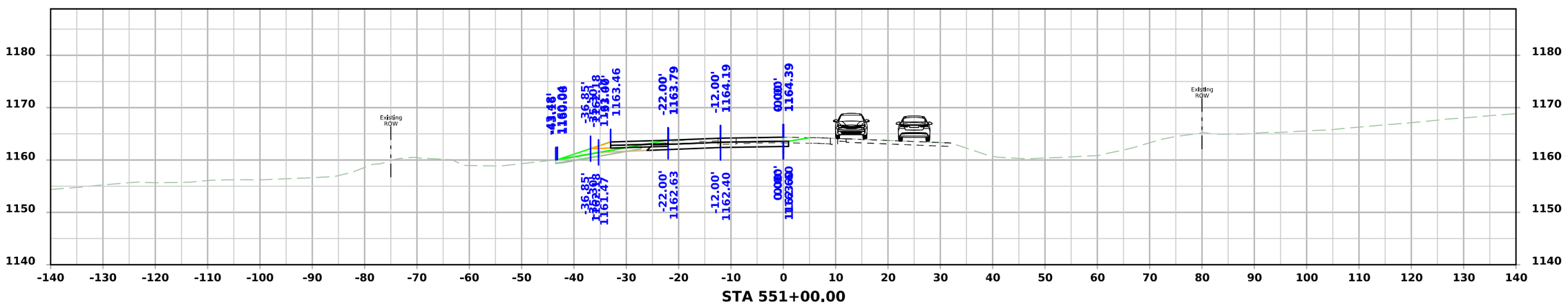
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2139

8:35:04 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_2_78059056Z06.dgn

US 59 Stage 2



STA 551+25.00

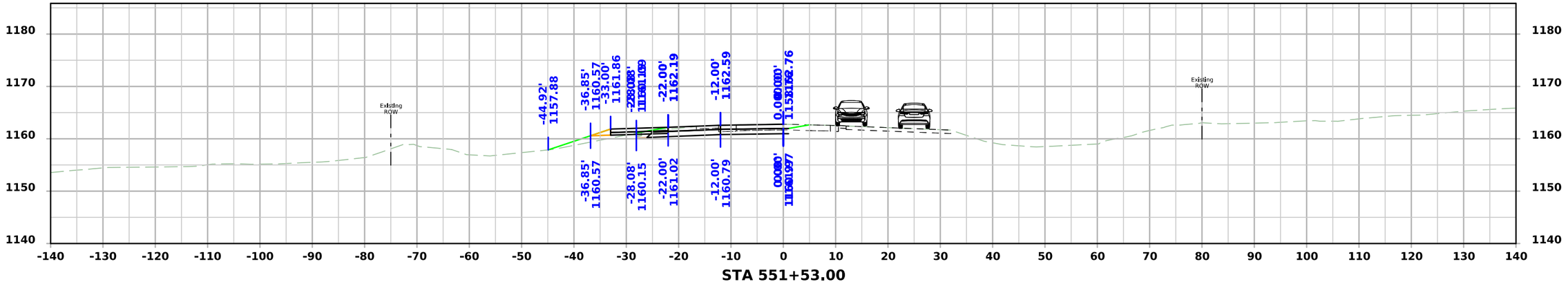


STA 551+00.00

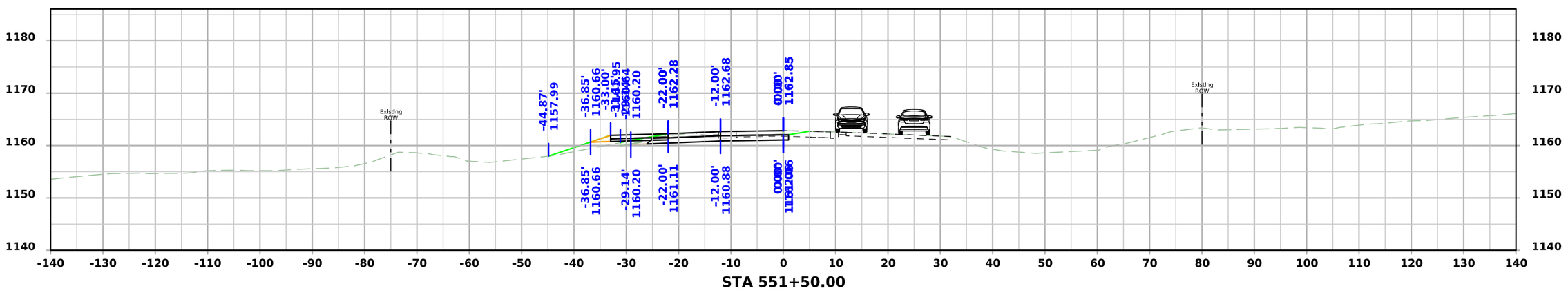
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2140

8:35:07 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_2_78059056Z06.dgn

US 59 Stage 2



STA 551+53.00

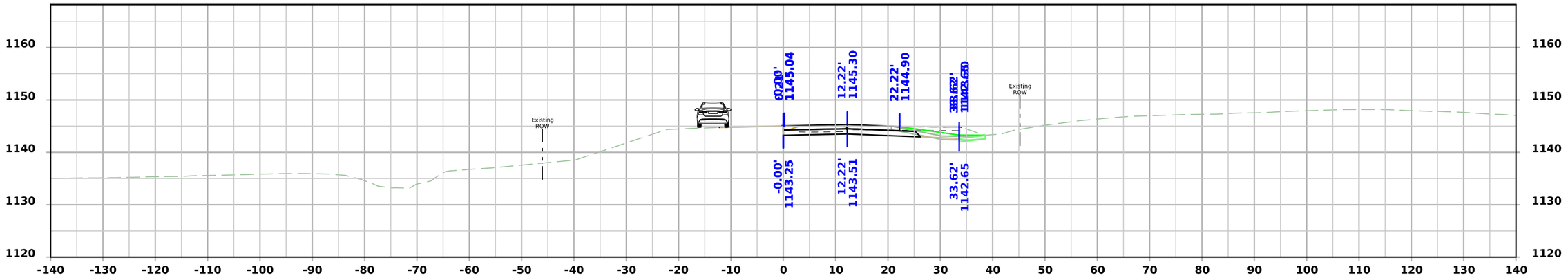


STA 551+50.00

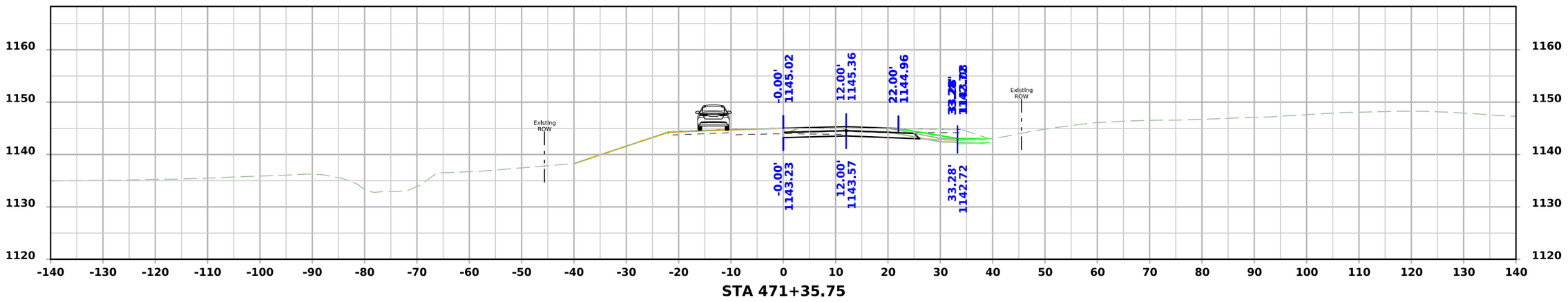
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.2141

8:35:10 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W2000N_2_78059056Z06.dgn

US 59 Stage 4



STA 471+50.00

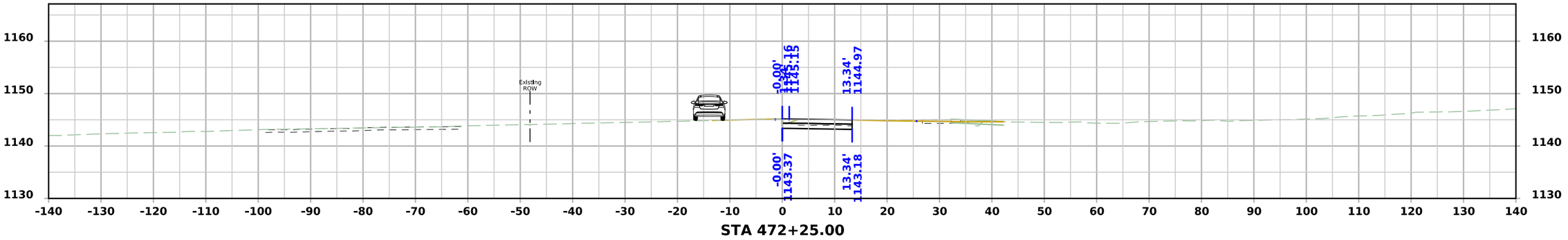


STA 471+35.75

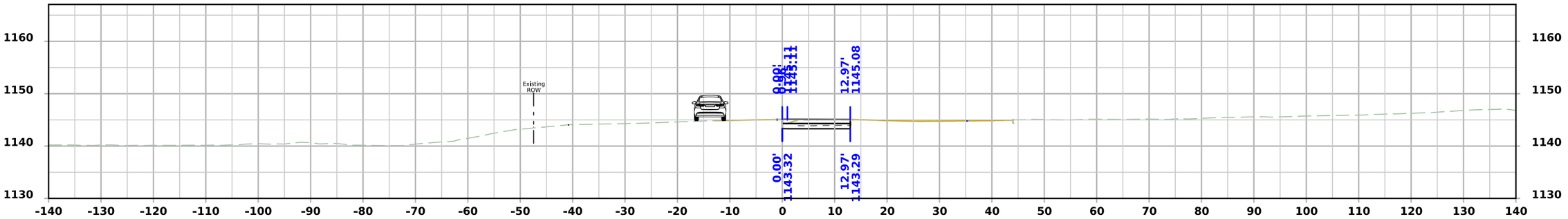
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3000

1:19:08 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_1_78059056Z06.dgn

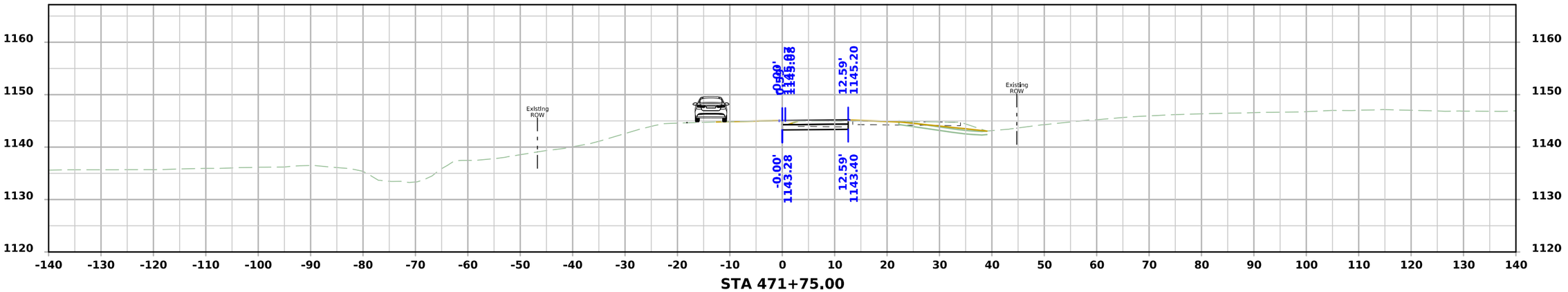
US 59 Stage 4



STA 472+25.00



STA 472+00.00

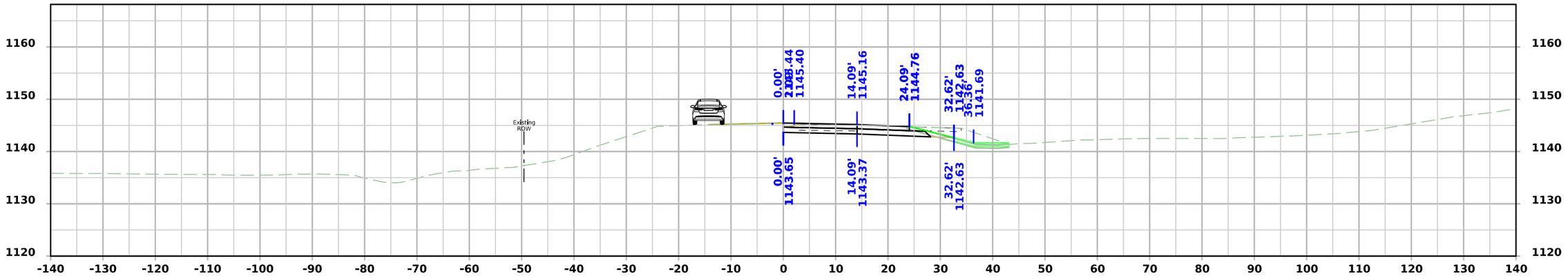


STA 471+75.00

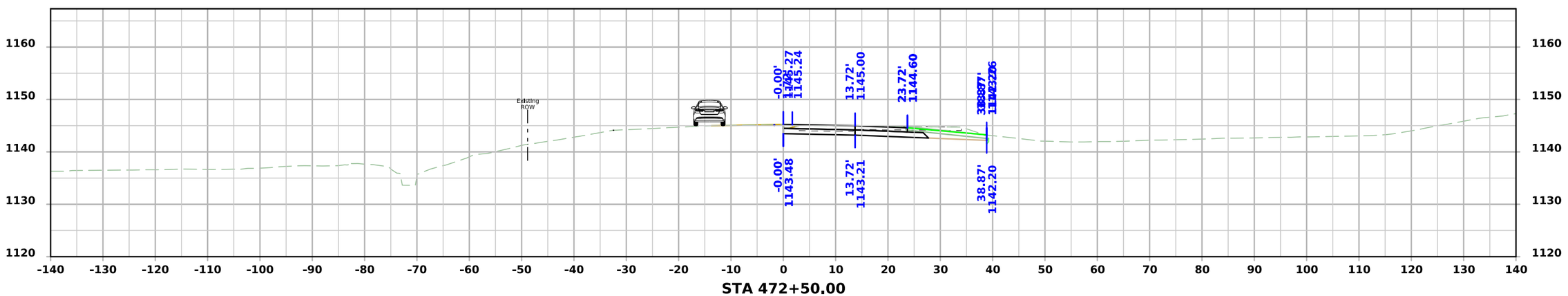
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3001

1:19:12 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_1_78059056Z06.dgn

US 59 Stage 4



STA 472+75.00

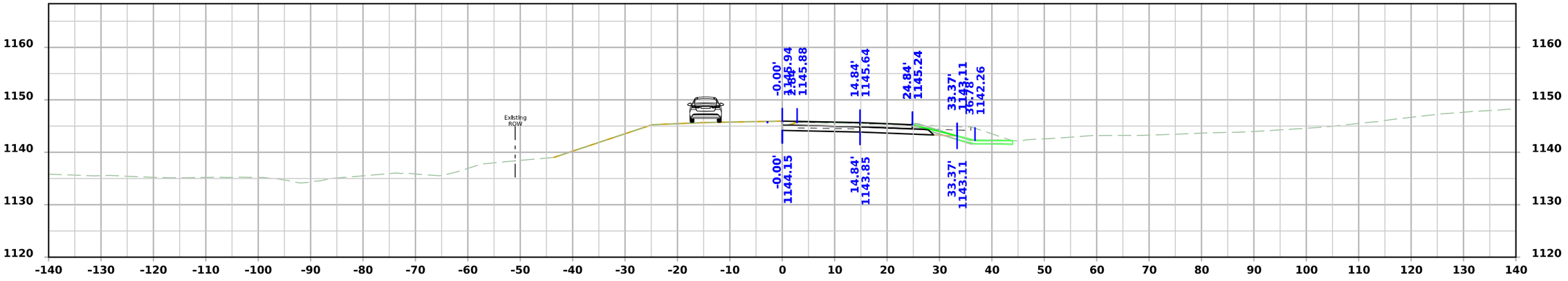


STA 472+50.00

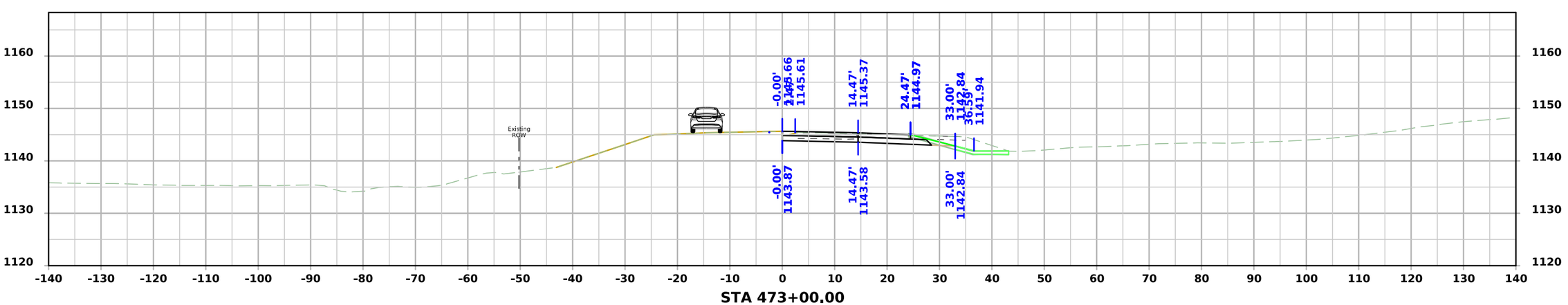
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3002

1:19:14 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_1_78059056Z06.dgn

US 59 Stage 4



STA 473+25.00

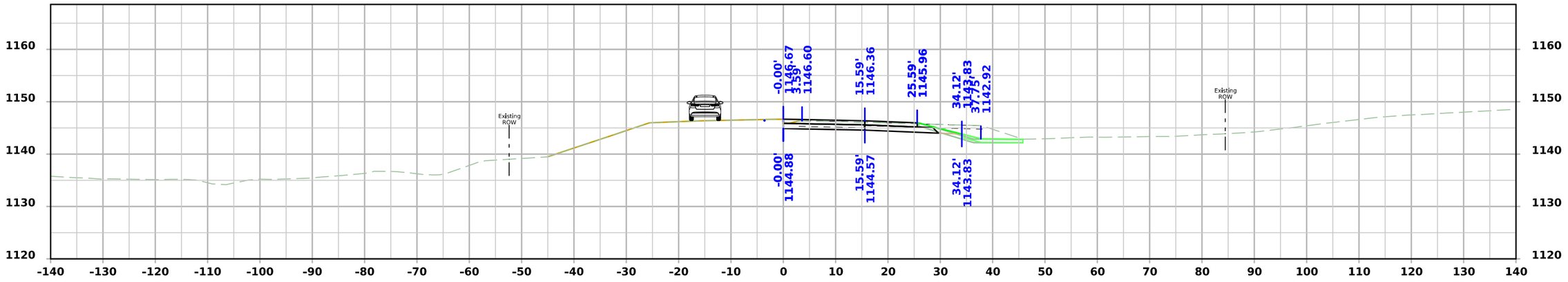


STA 473+00.00

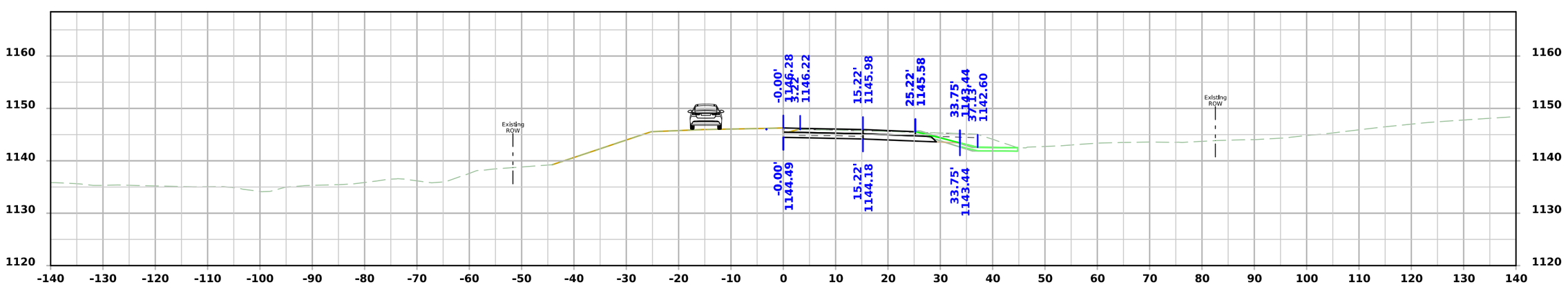
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3003

1:19:16 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_1_78059056Z06.dgn

US 59 Stage 4



STA 473+75.00

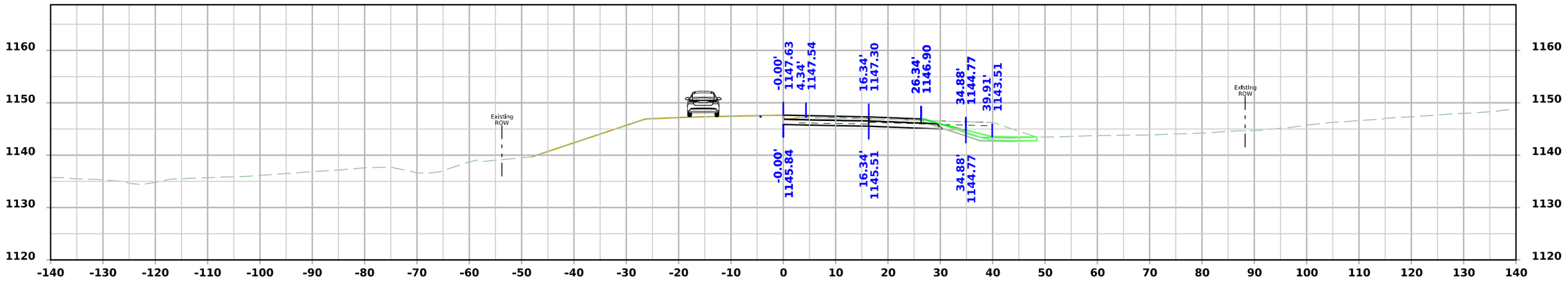


STA 473+50.00

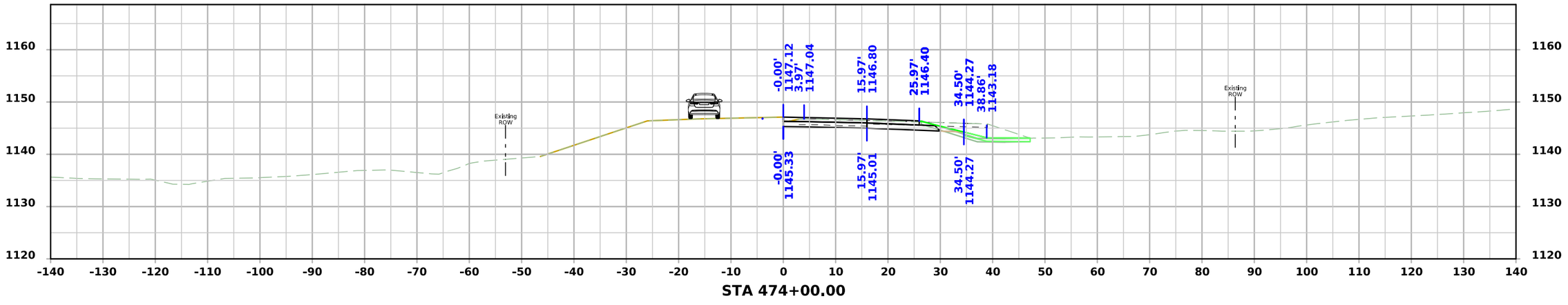
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3004

1:19:18 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_1_78059056Z06.dgn

US 59 Stage 4



STA 474+25.00

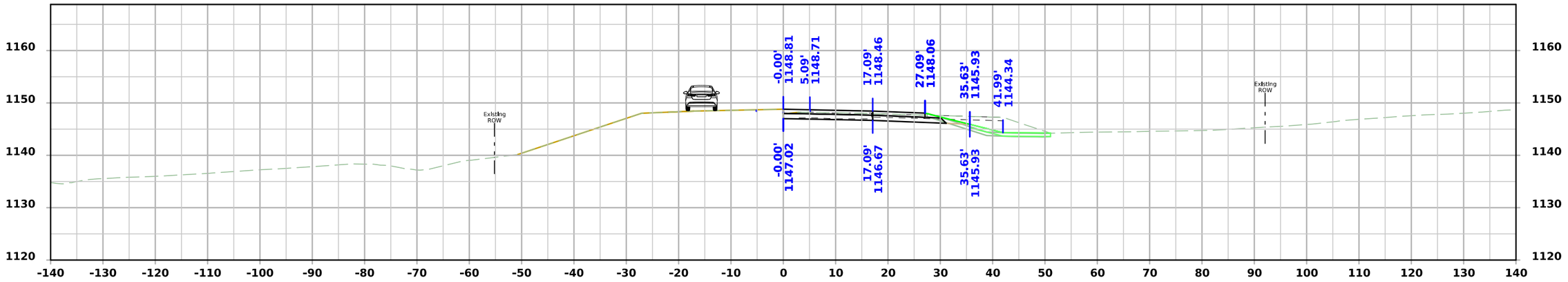


STA 474+00.00

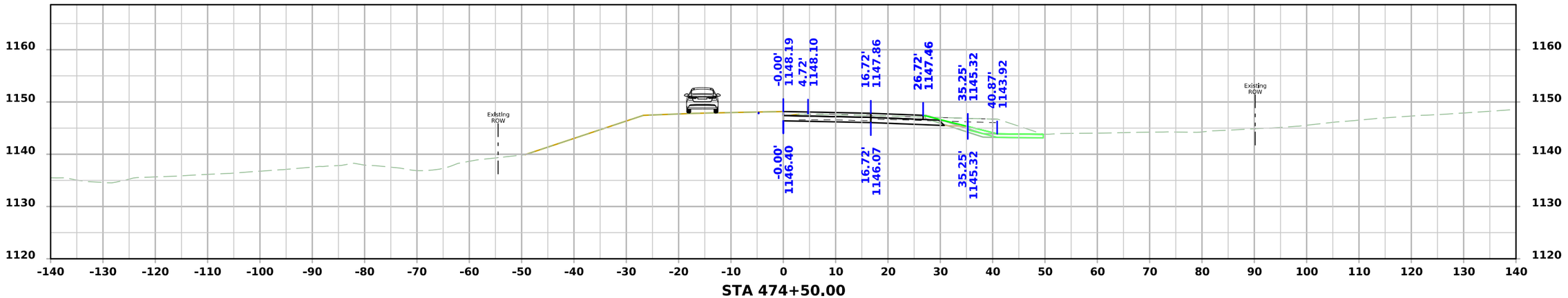
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3005

1:19:20 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_1_78059056Z06.dgn

US 59 Stage 4



STA 474+75.00

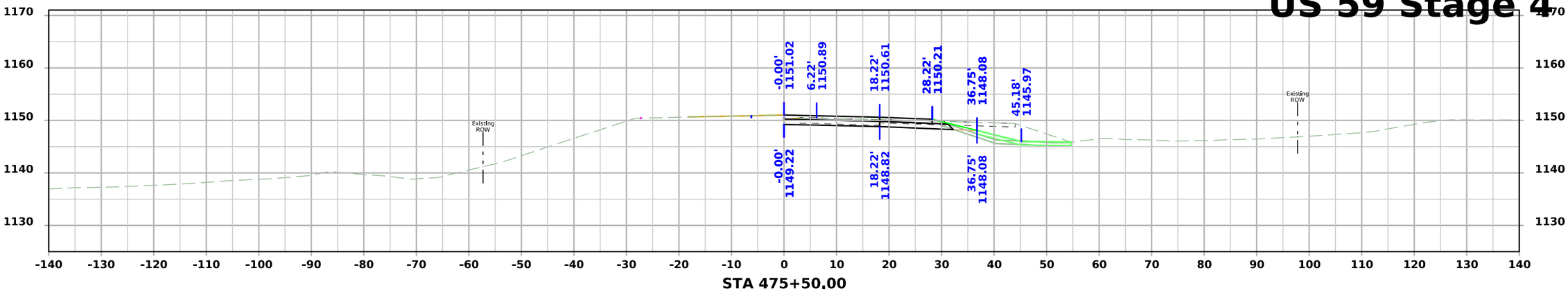


STA 474+50.00

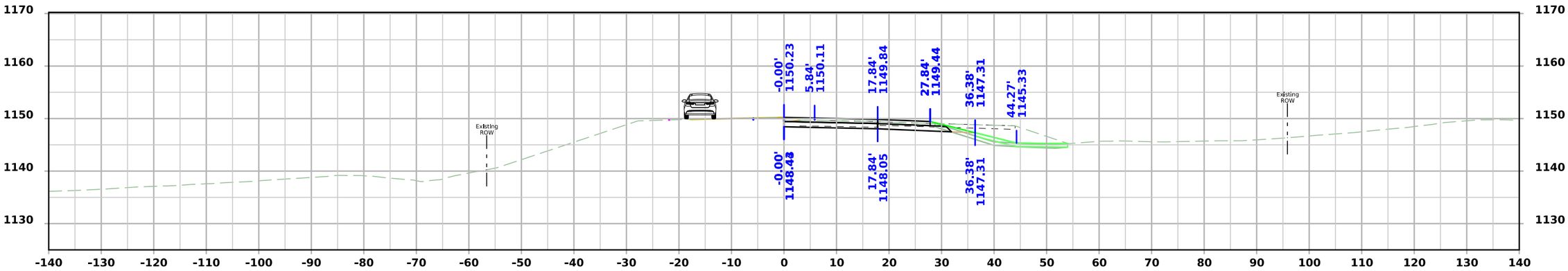
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3006

1:19:22 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_1_78059056Z06.dgn

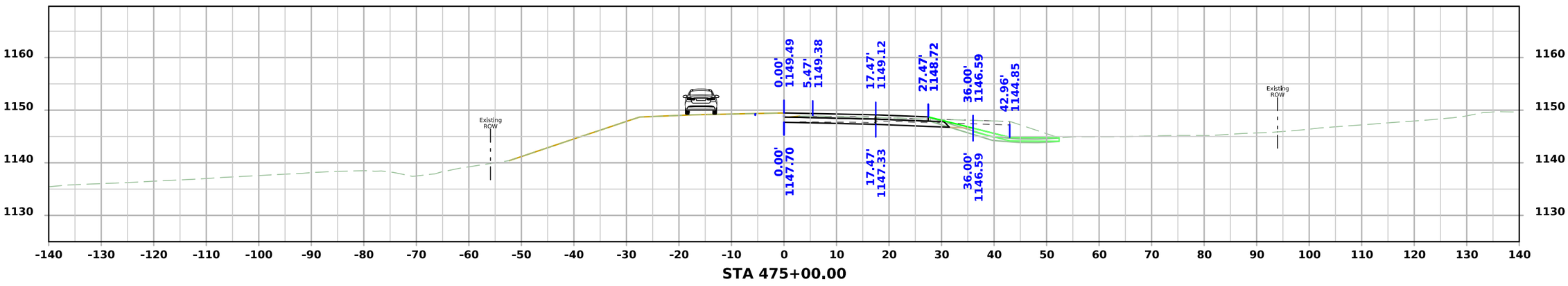
US 59 Stage 4



STA 475+50.00



STA 475+25.00

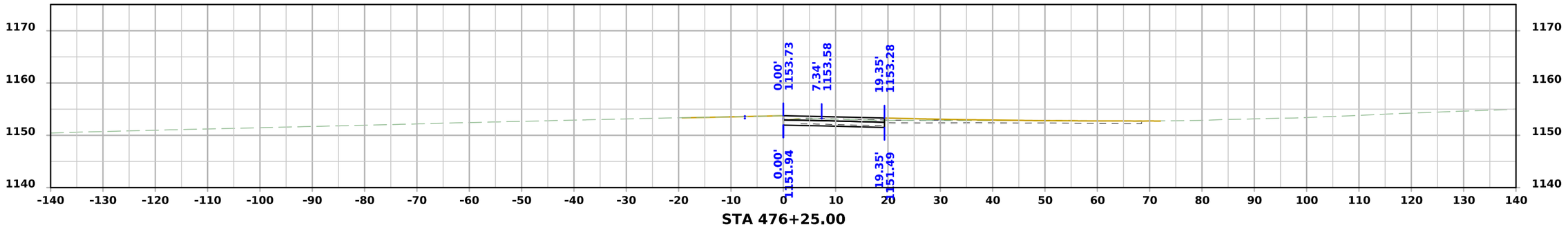


STA 475+00.00

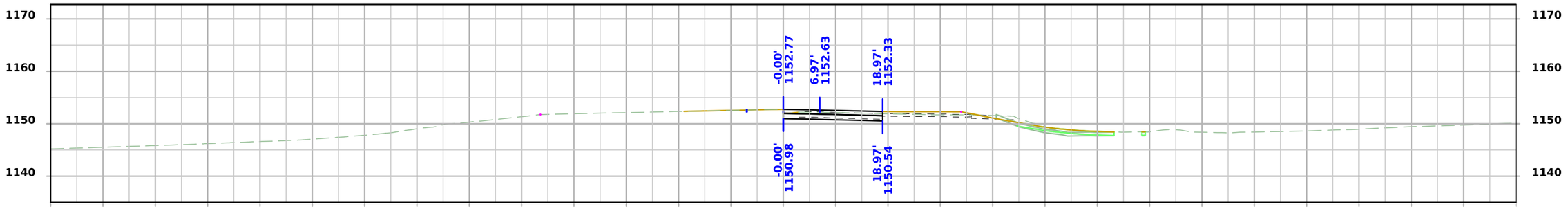
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3007

1:19:24 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_1_78059056Z06.dgn

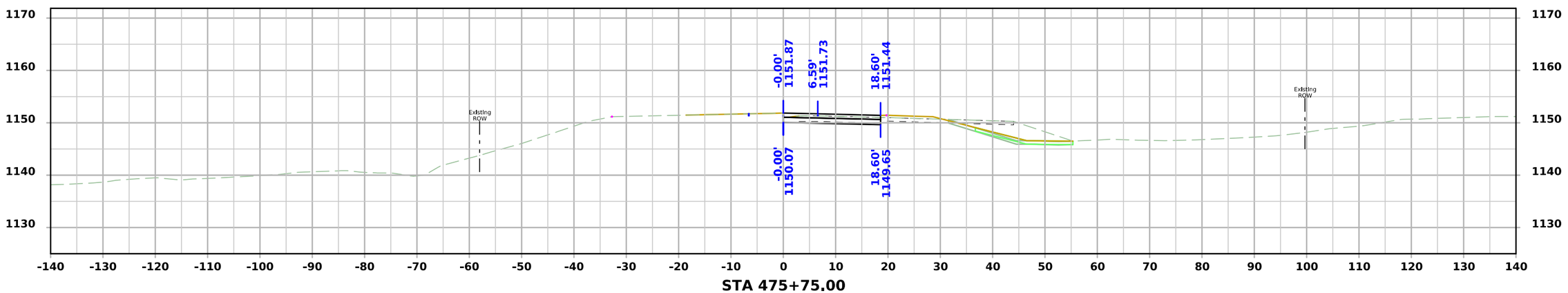
US 59 Stage 4



STA 476+25.00



STA 476+00.00

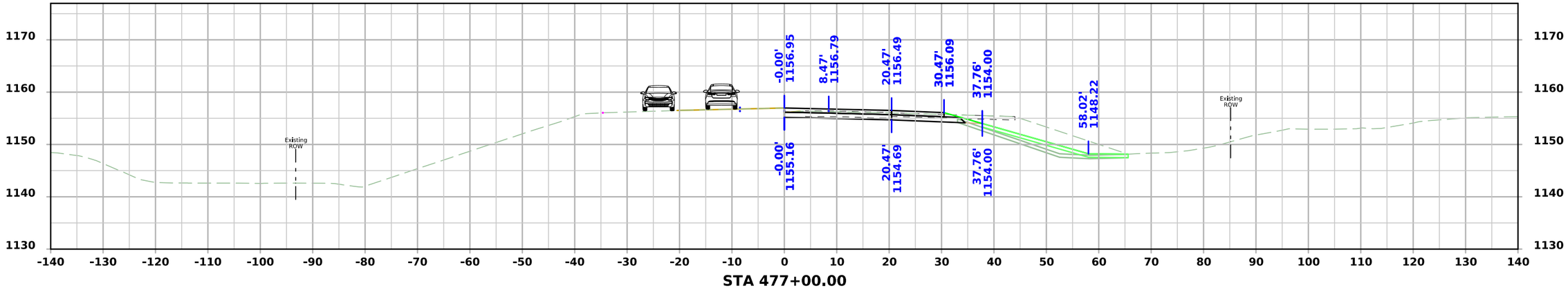


STA 475+75.00

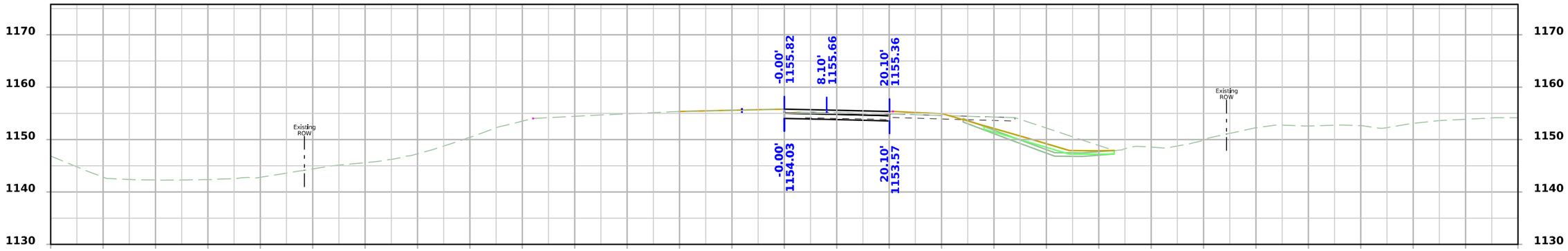
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3008

1:19:26 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_1_78059056Z06.dgn

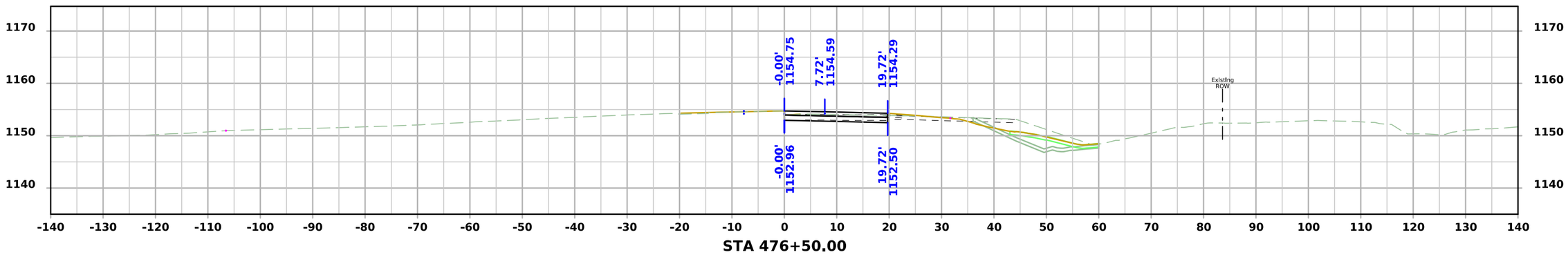
US 59 Stage 4



STA 477+00.00



STA 476+75.00

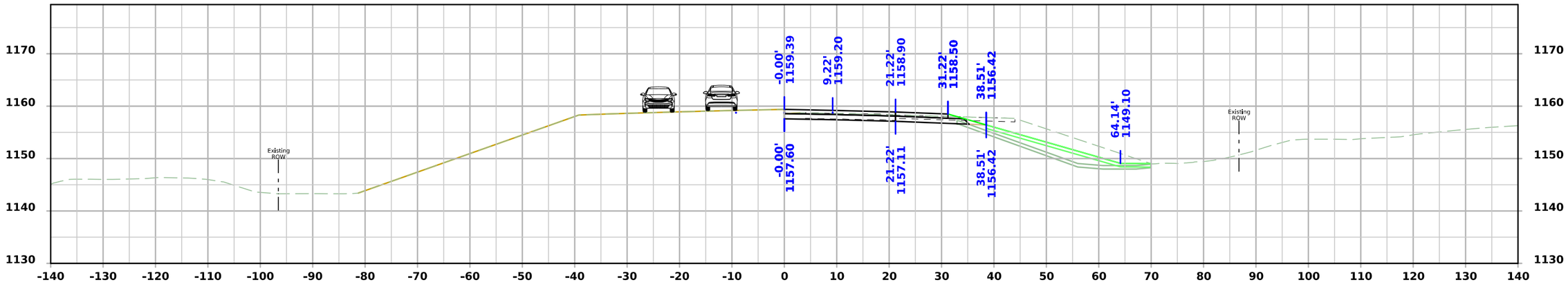


STA 476+50.00

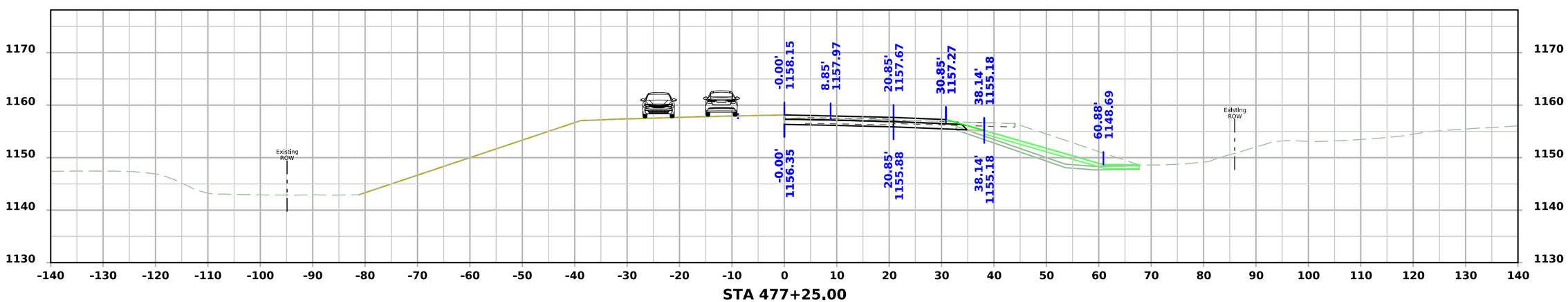
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3009

1:19:28 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_1_78059056Z06.dgn

US 59 Stage 4



STA 477+50.00

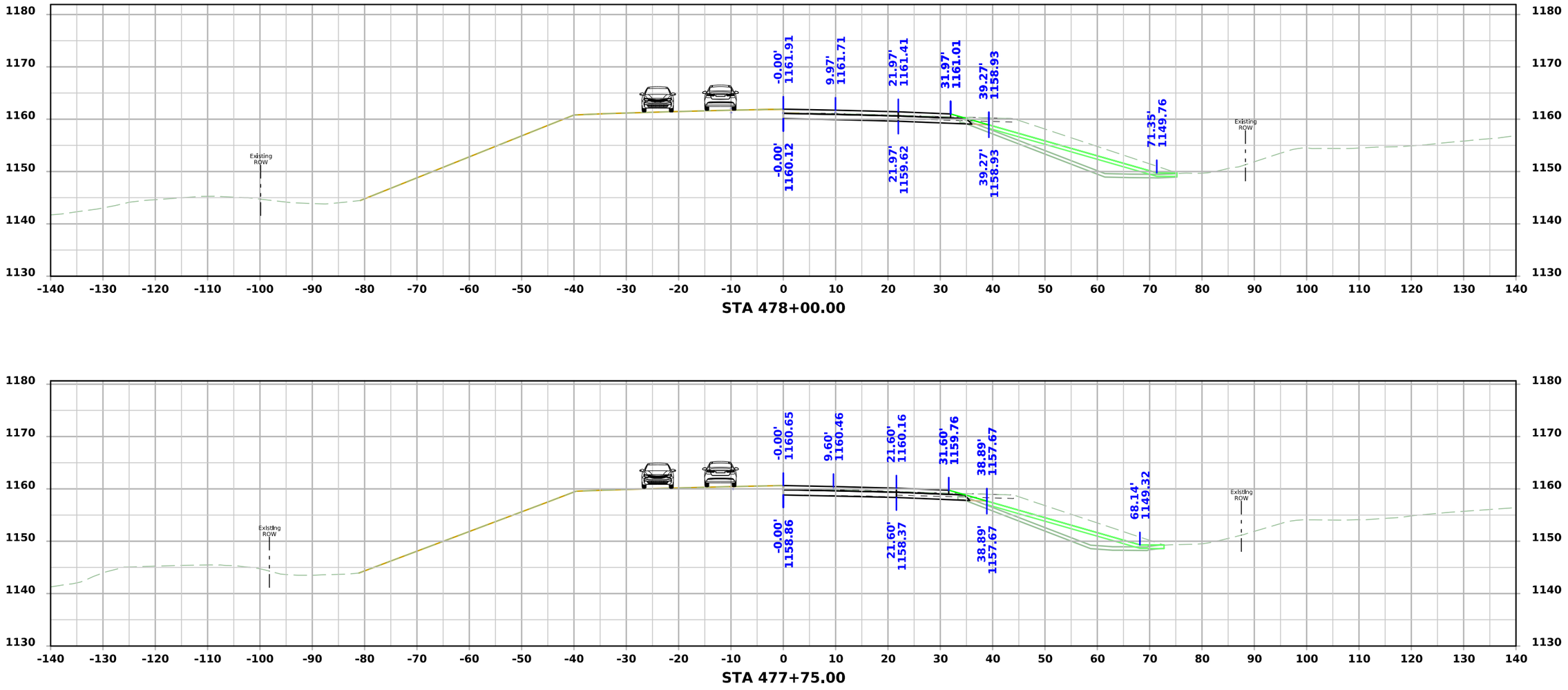


STA 477+25.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3010

1:19:30 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_1_78059056Z06.dgn

US 59 Stage 4



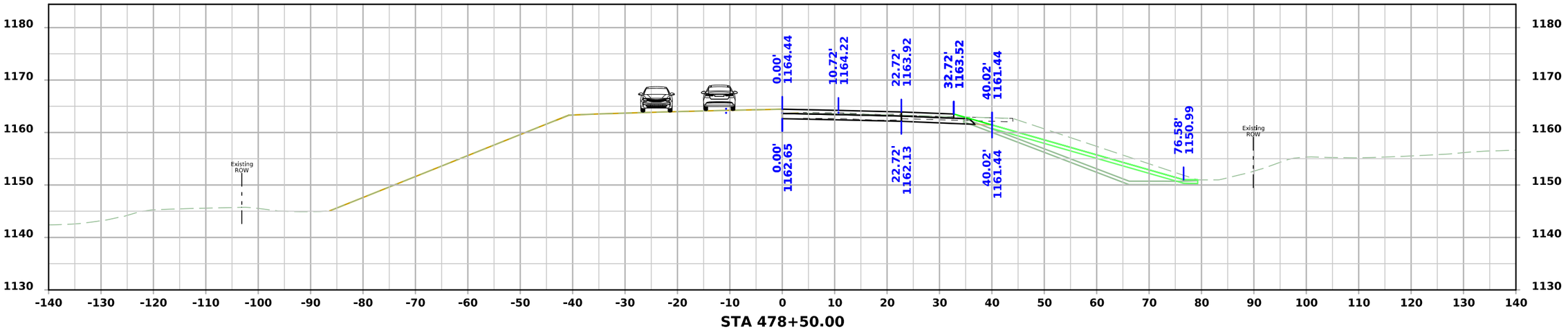
STA 478+00.00

STA 477+75.00

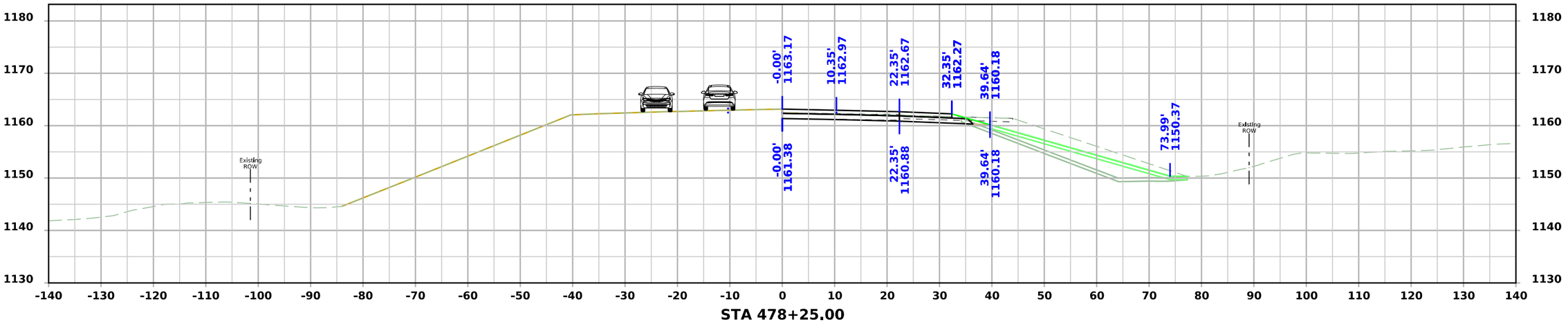
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3011

1:19:32 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_1_78059056Z06.dgn

US 59 Stage 4



STA 478+50.00

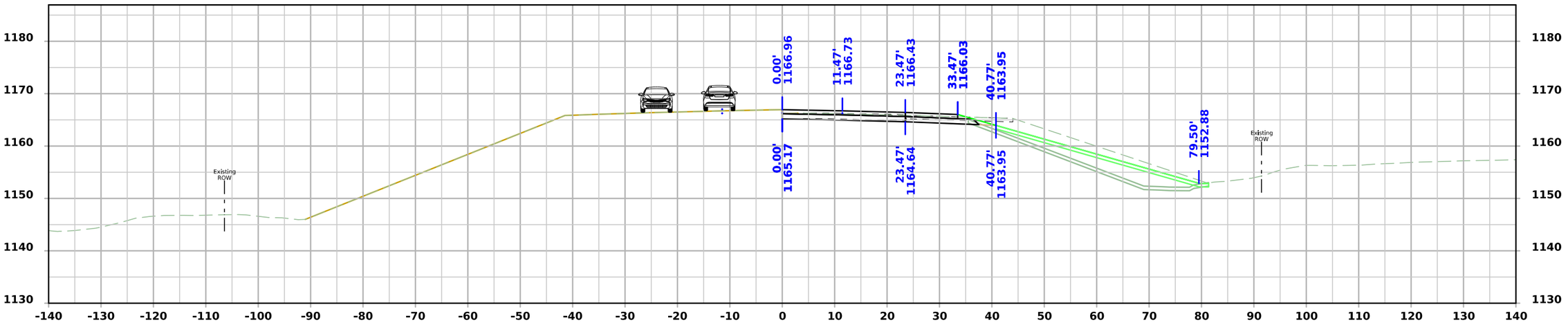


STA 478+25.00

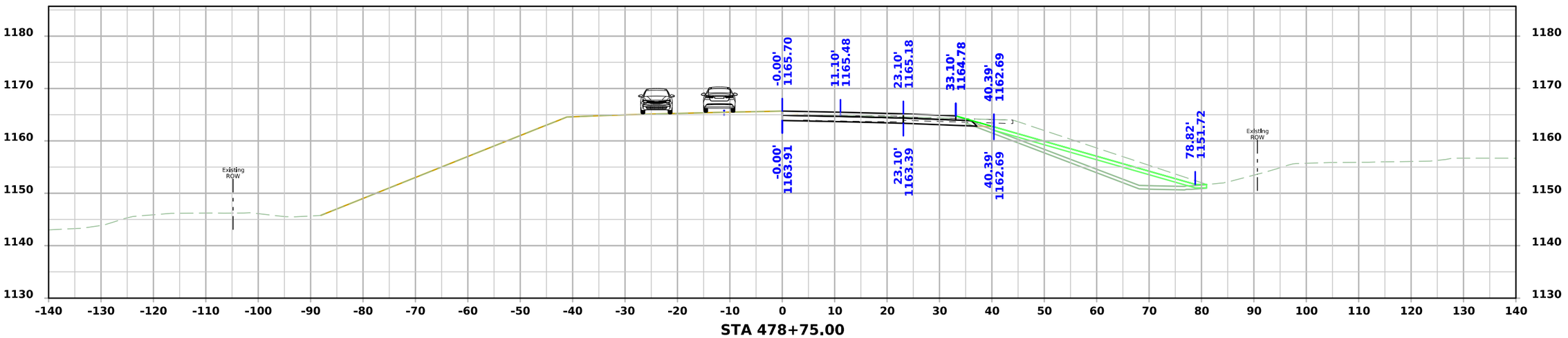
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3012

1:19:34 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_1_78059056Z06.dgn

US 59 Stage 4



STA 479+00.00

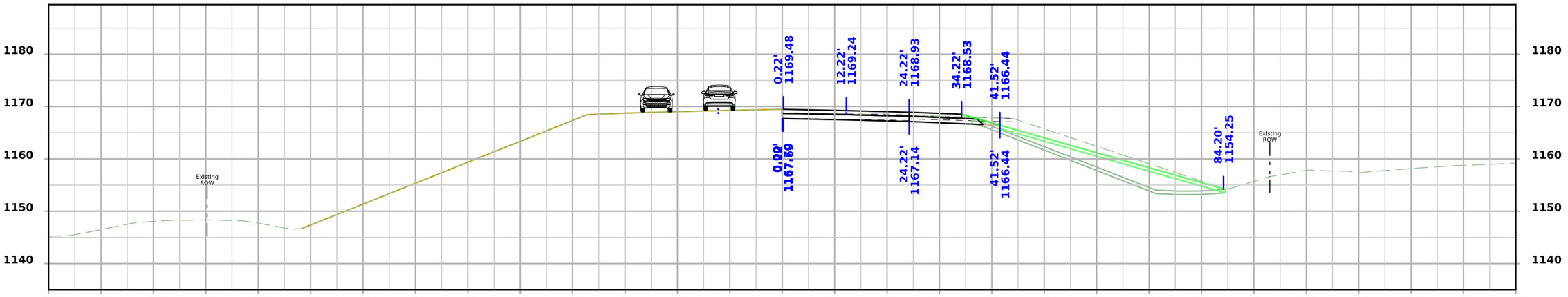


STA 478+75.00

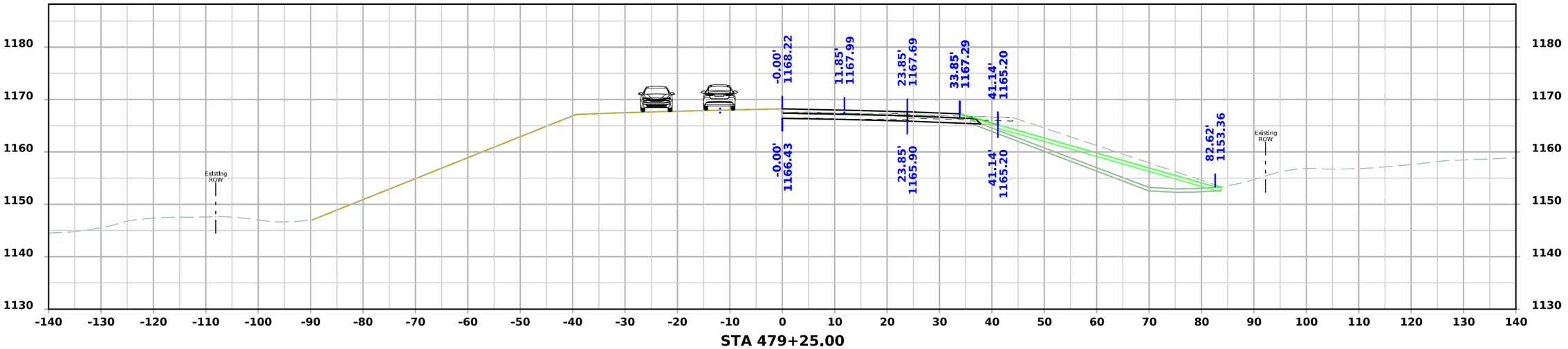
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3013

1:19:36 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_1_78059056Z06.dgn

US 59 Stage 4



STA 479+50.00

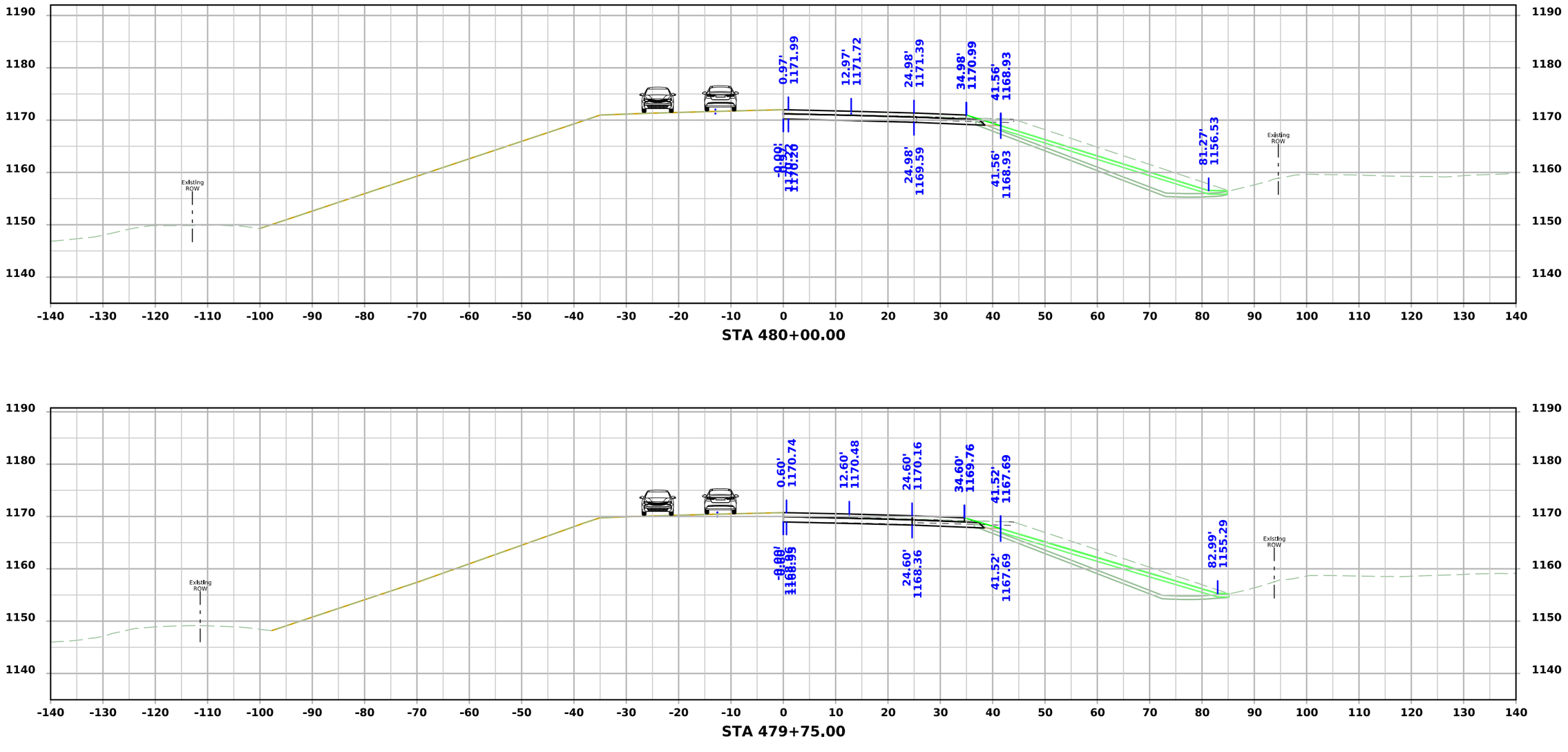


STA 479+25.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3014

1:19:38 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_1_78059056Z06.dgn

US 59 Stage 4



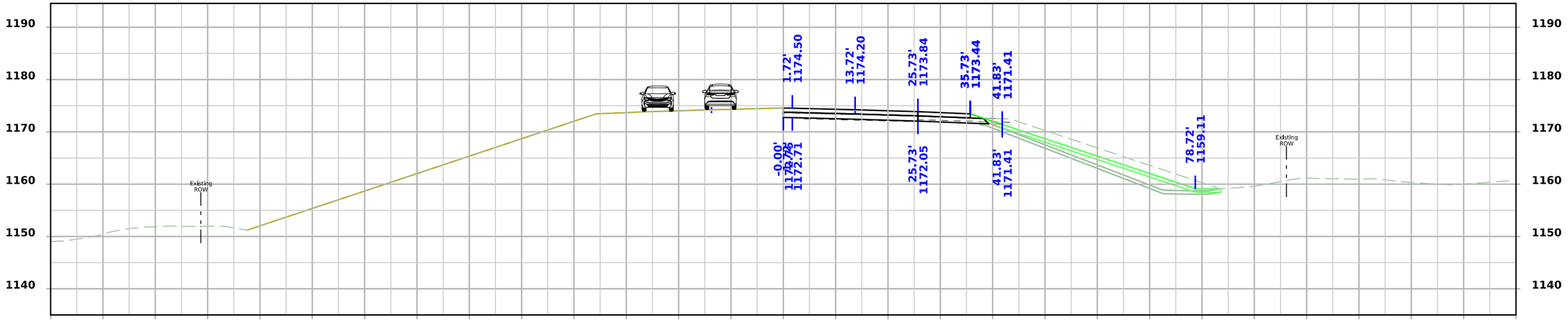
STA 480+00.00

STA 479+75.00

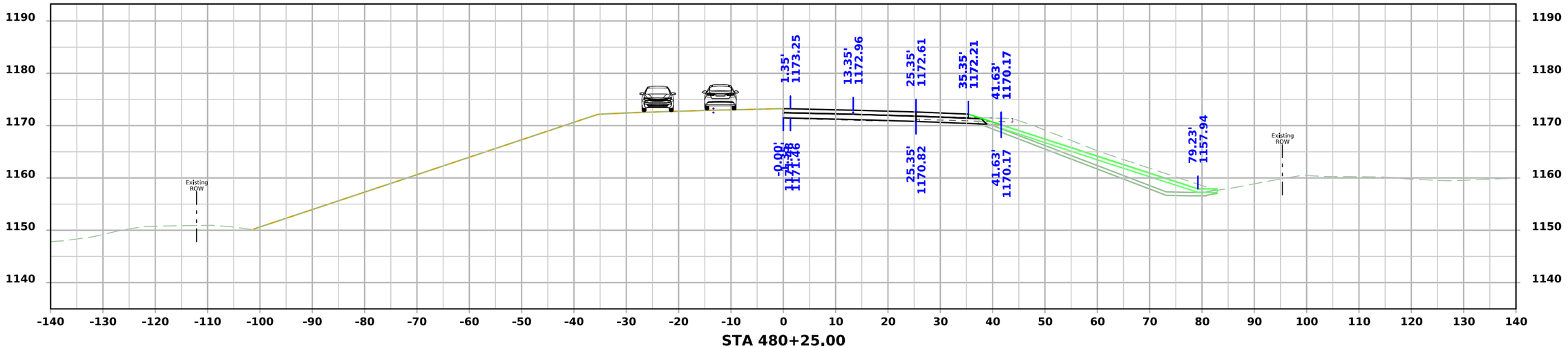
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3015

1:19:39 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_1_78059056Z06.dgn

US 59 Stage 4



STA 480+50.00

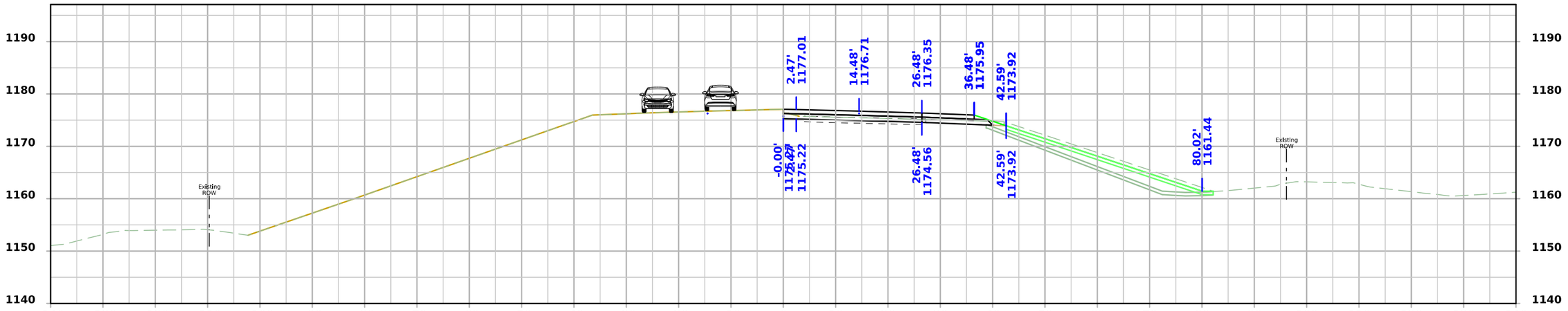


STA 480+25.00

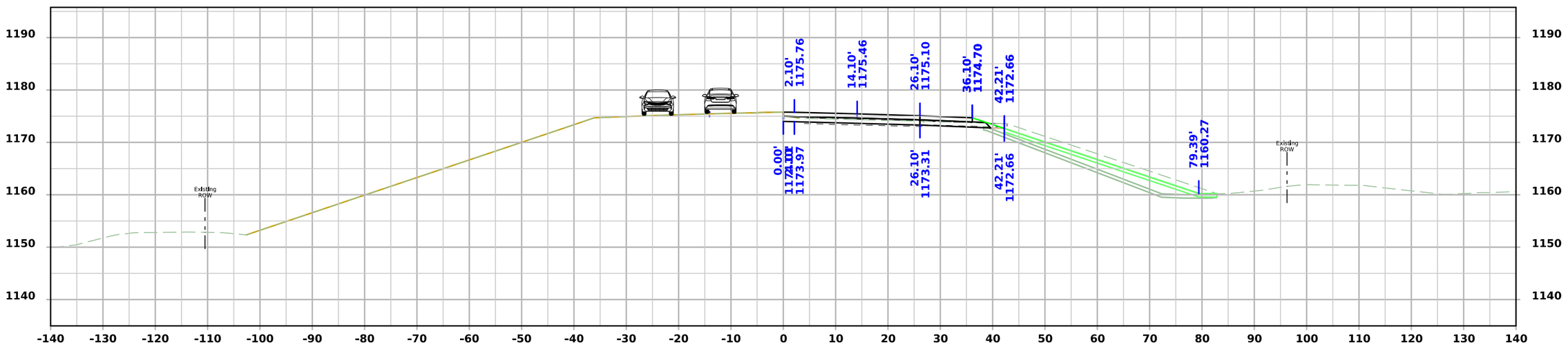
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3016

1:19:41 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_1_78059056Z06.dgn

US 59 Stage 4



STA 481+00.00

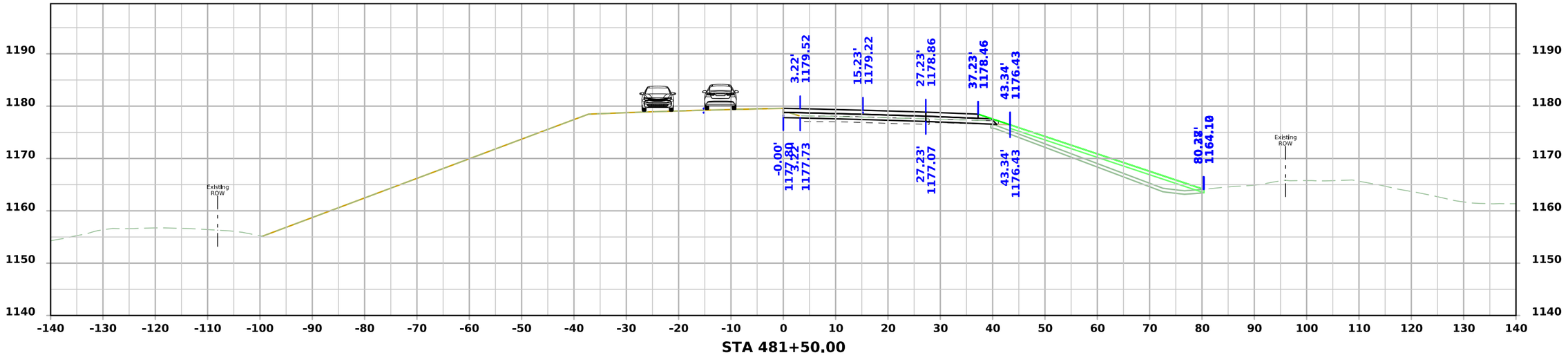


STA 480+75.00

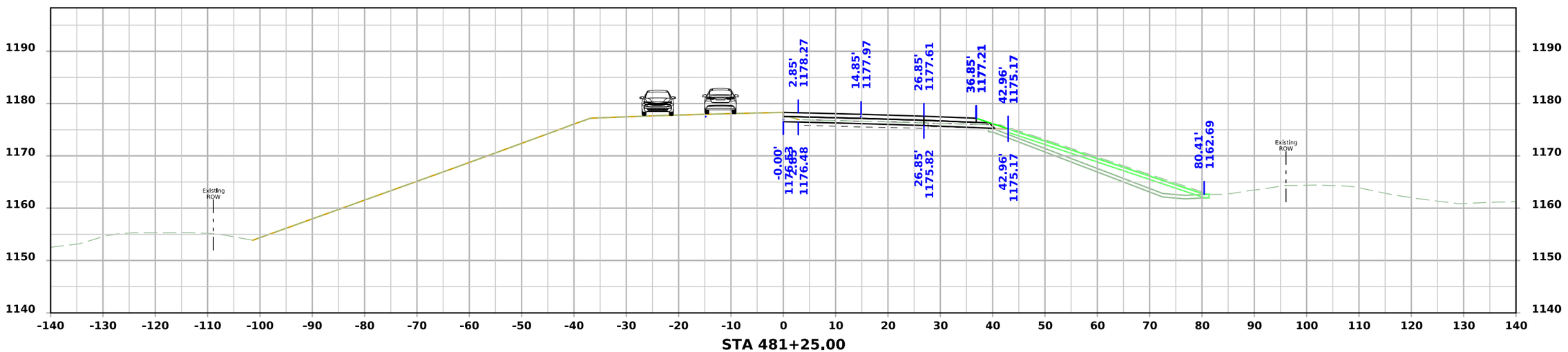
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3017

1:19:43 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_1_78059056Z06.dgn

US 59 Stage 4



STA 481+50.00

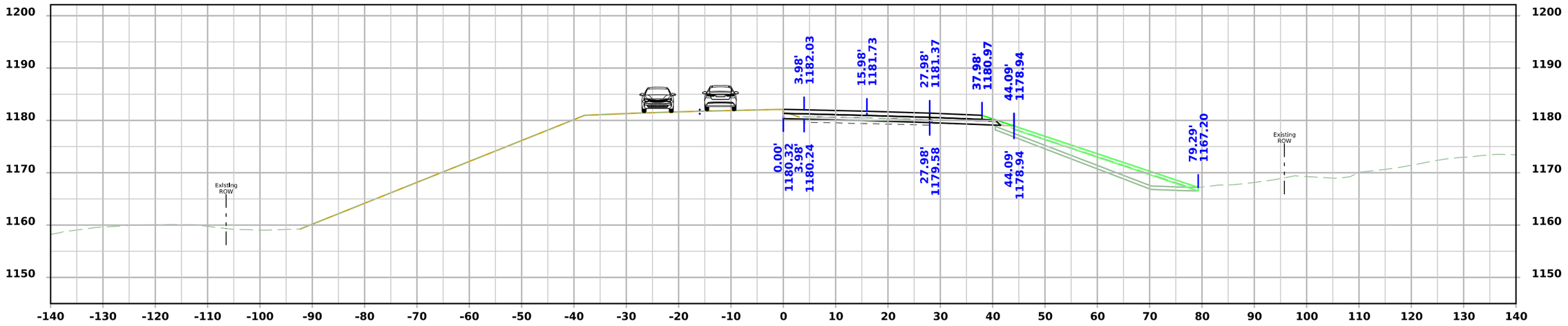


STA 481+25.00

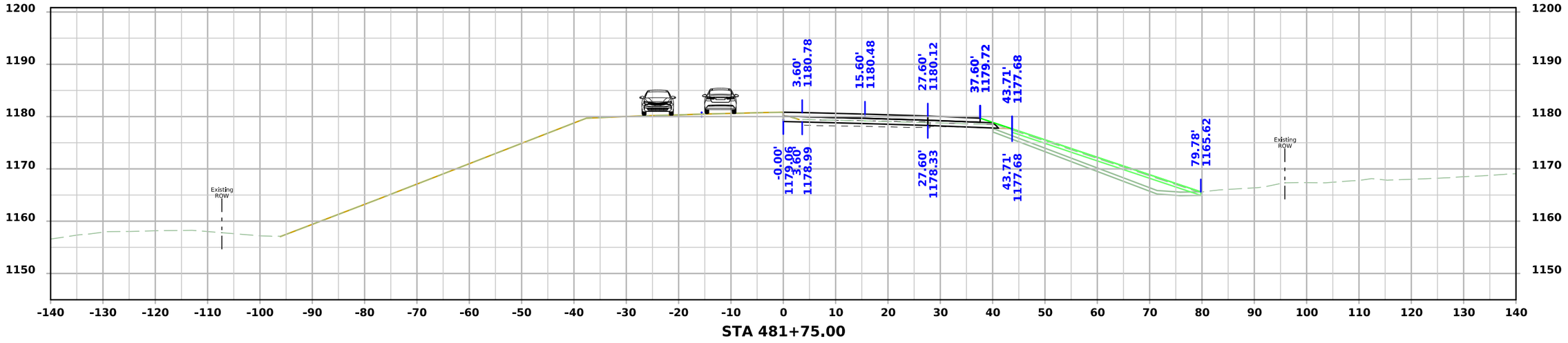
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3018

1:19:45 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_1_78059056Z06.dgn

US 59 Stage 4



STA 482+00.00

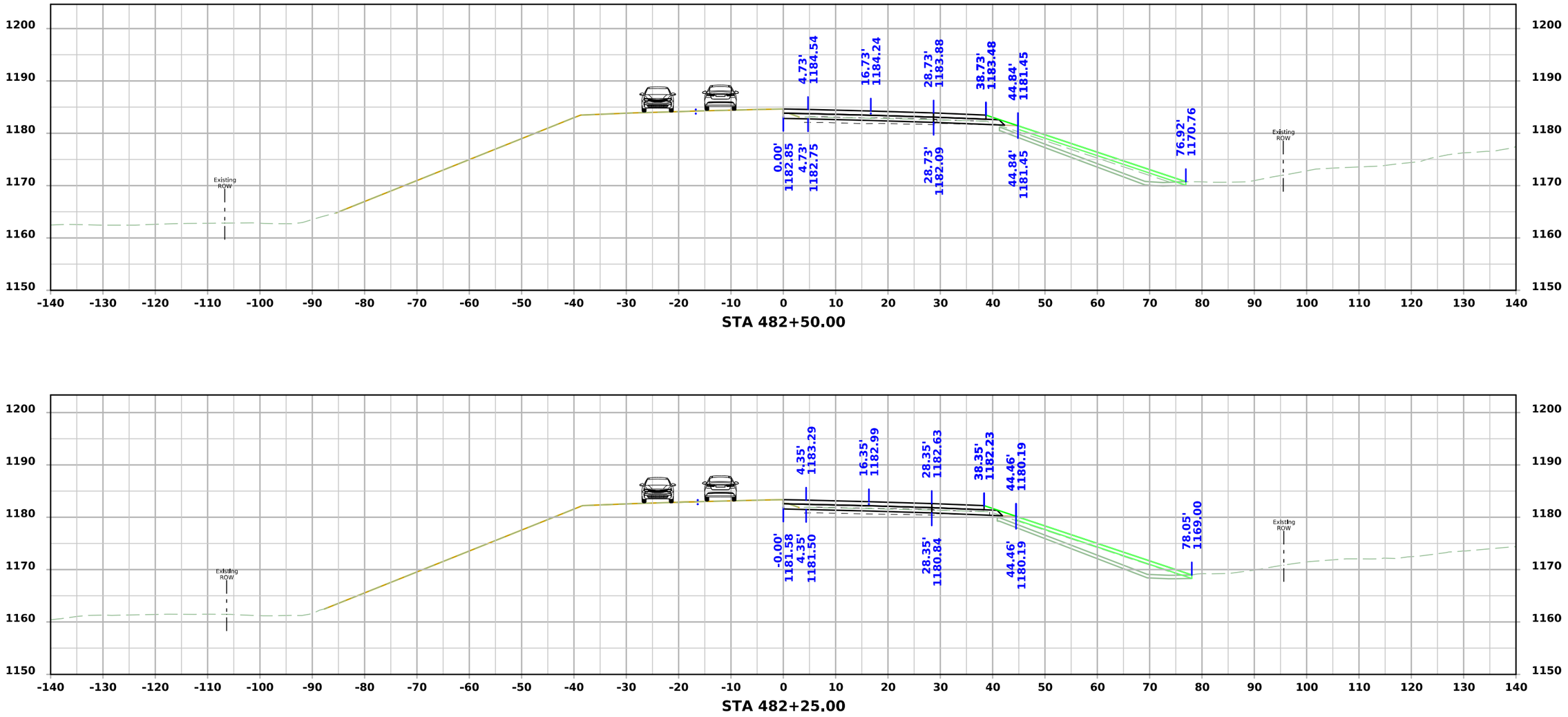


STA 481+75.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3019

1:19:47 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_1_78059056Z06.dgn

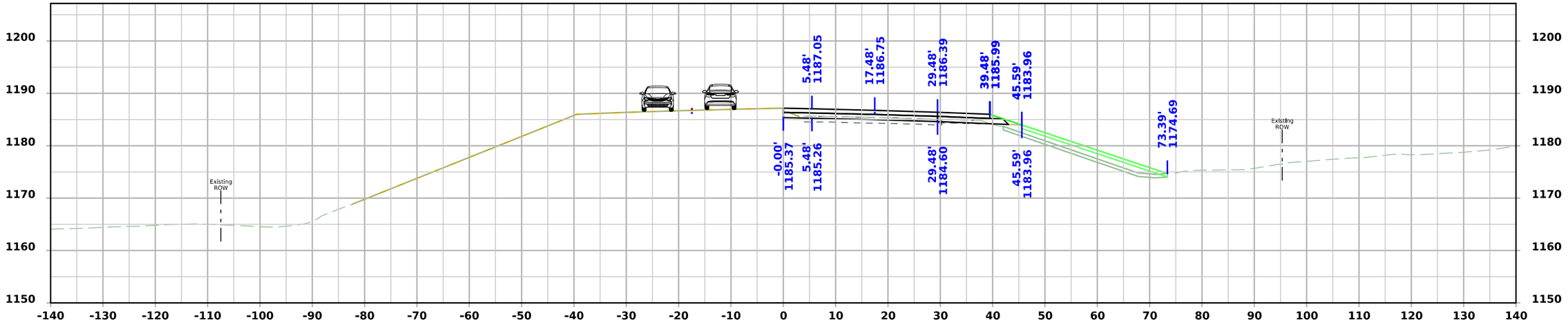
US 59 Stage 4



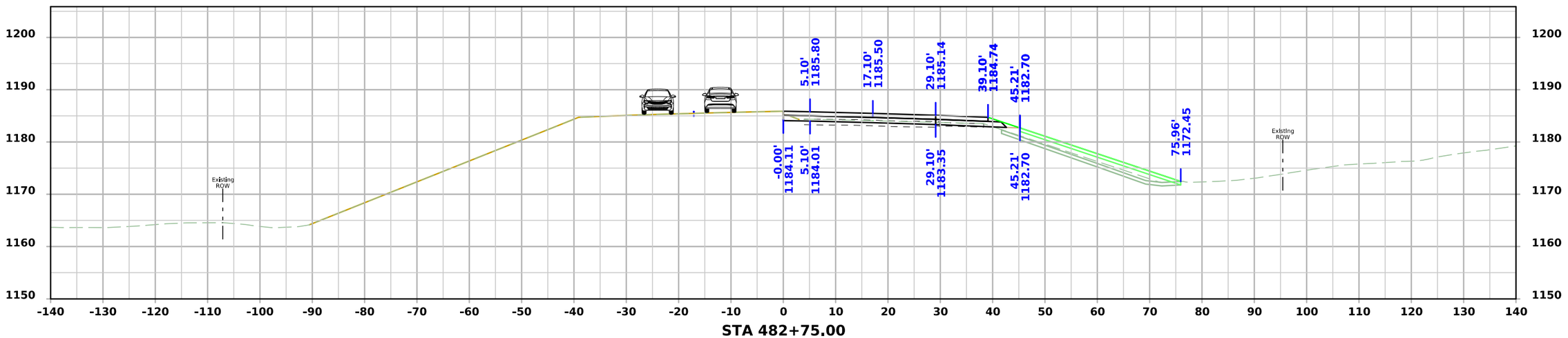
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3020

1:19:48 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_1_78059056Z06.dgn

US 59 Stage 4



STA 483+00.00

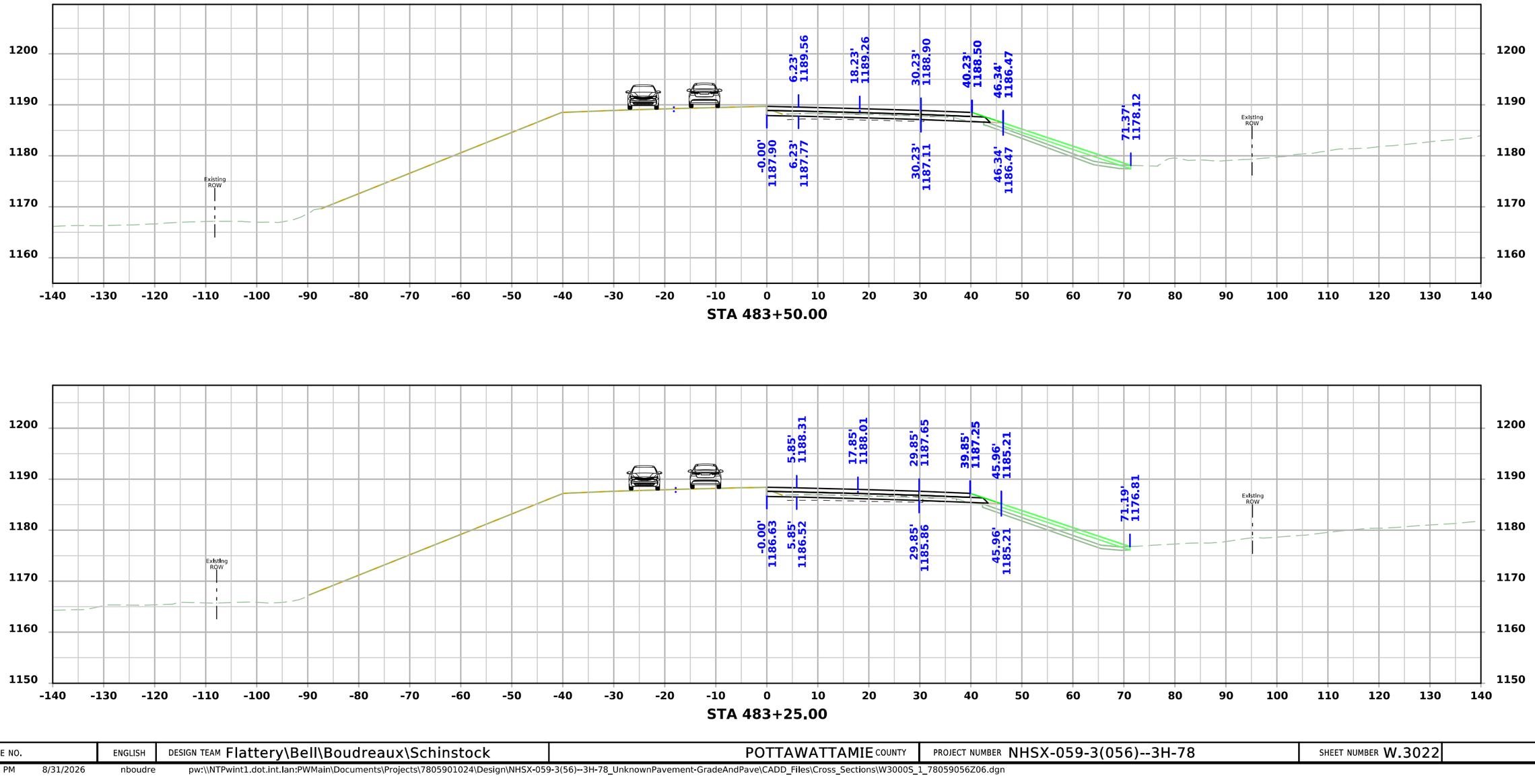


STA 482+75.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3021

1:19:50 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_1_78059056Z06.dgn

US 59 Stage 4



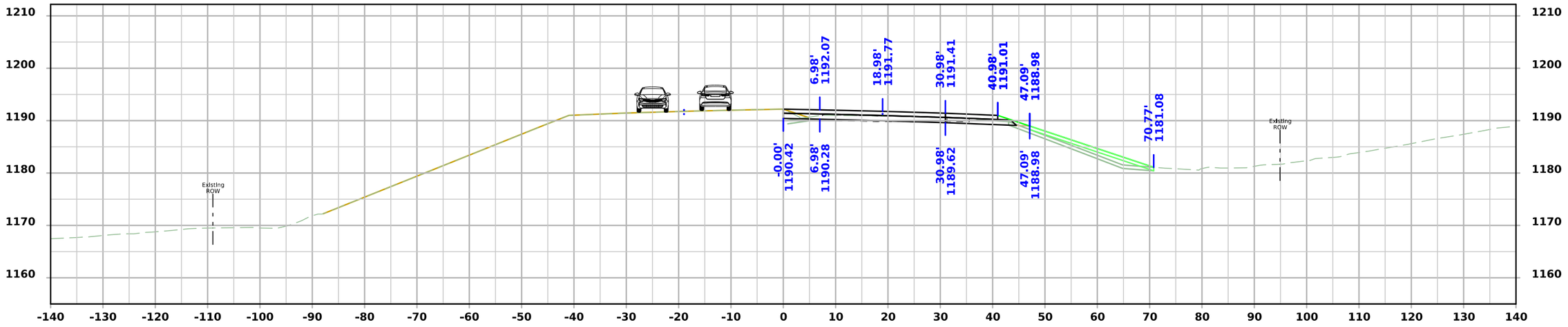
STA 483+50.00

STA 483+25.00

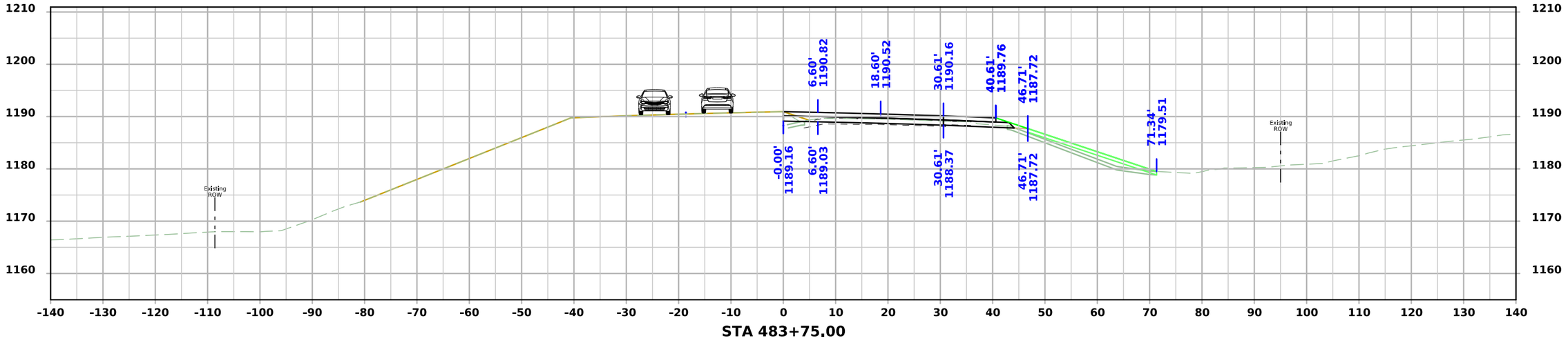
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3022

1:19:52 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_1_78059056Z06.dgn

US 59 Stage 4



STA 484+00.00

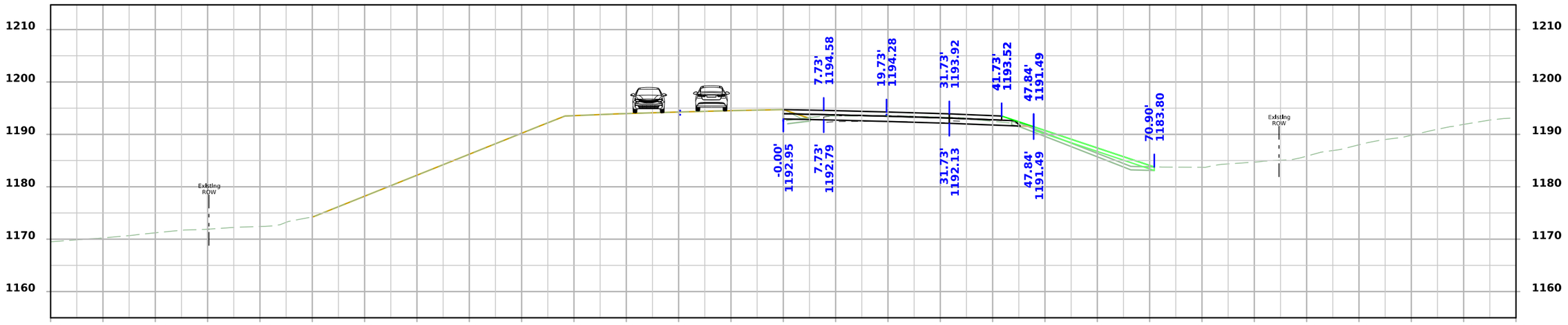


STA 483+75.00

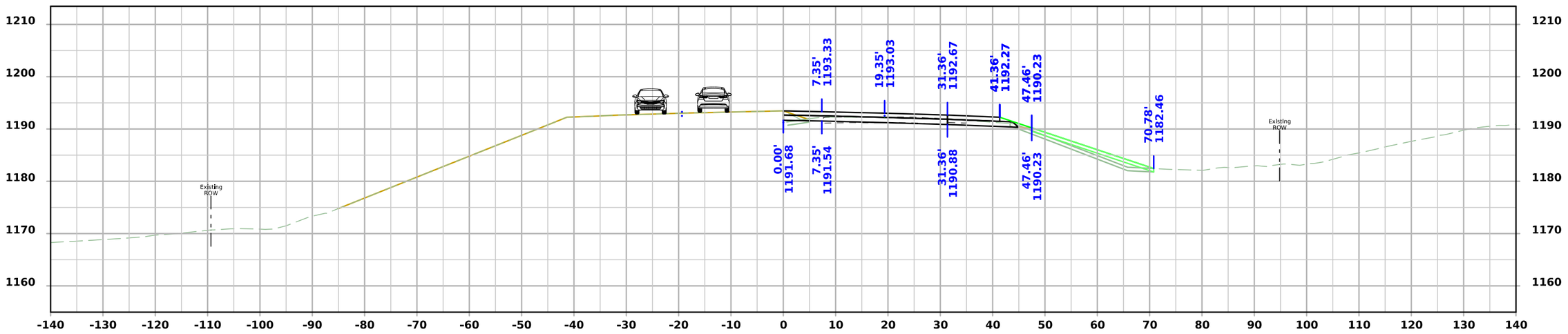
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3023

1:19:54 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_1_78059056Z06.dgn

US 59 Stage 4



STA 484+50.00

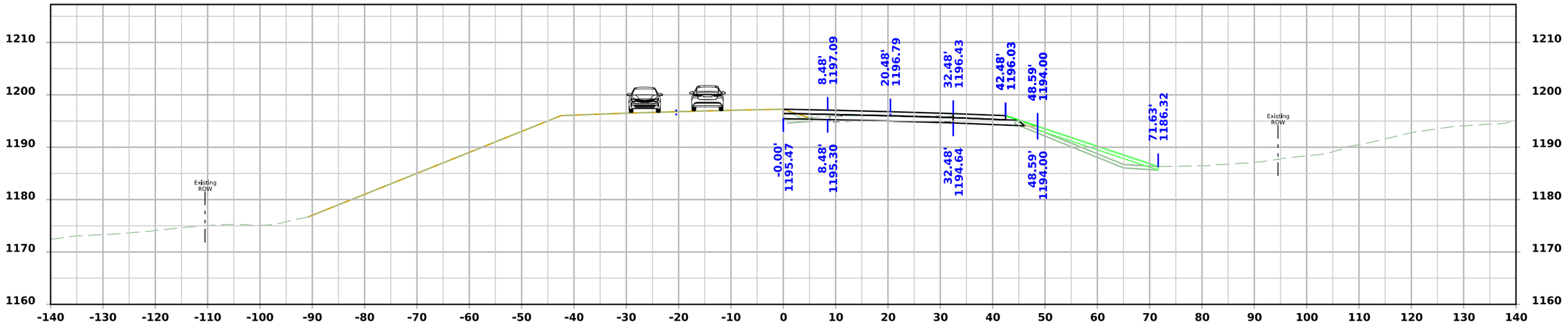


STA 484+25.00

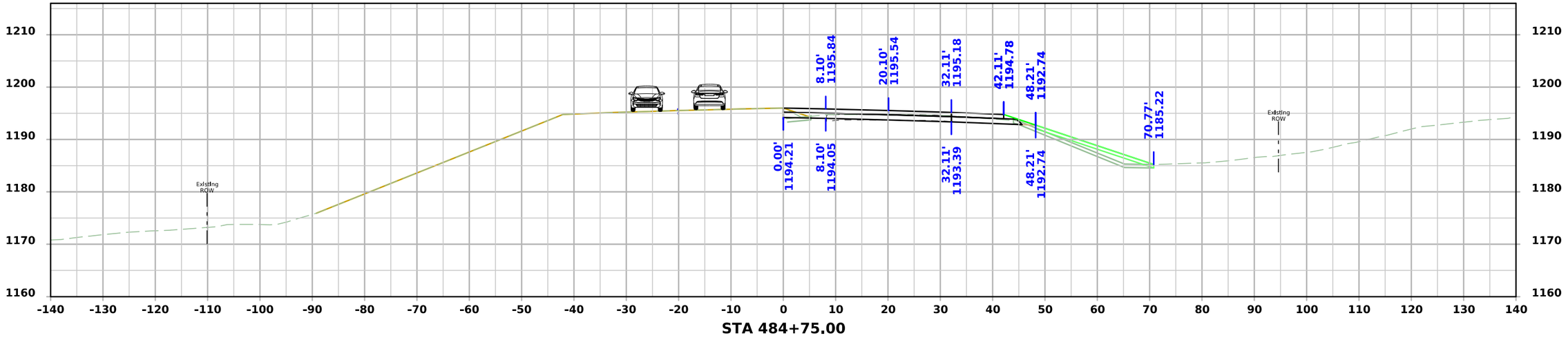
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3024

1:19:56 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_1_78059056Z06.dgn

US 59 Stage 4



STA 485+00.00

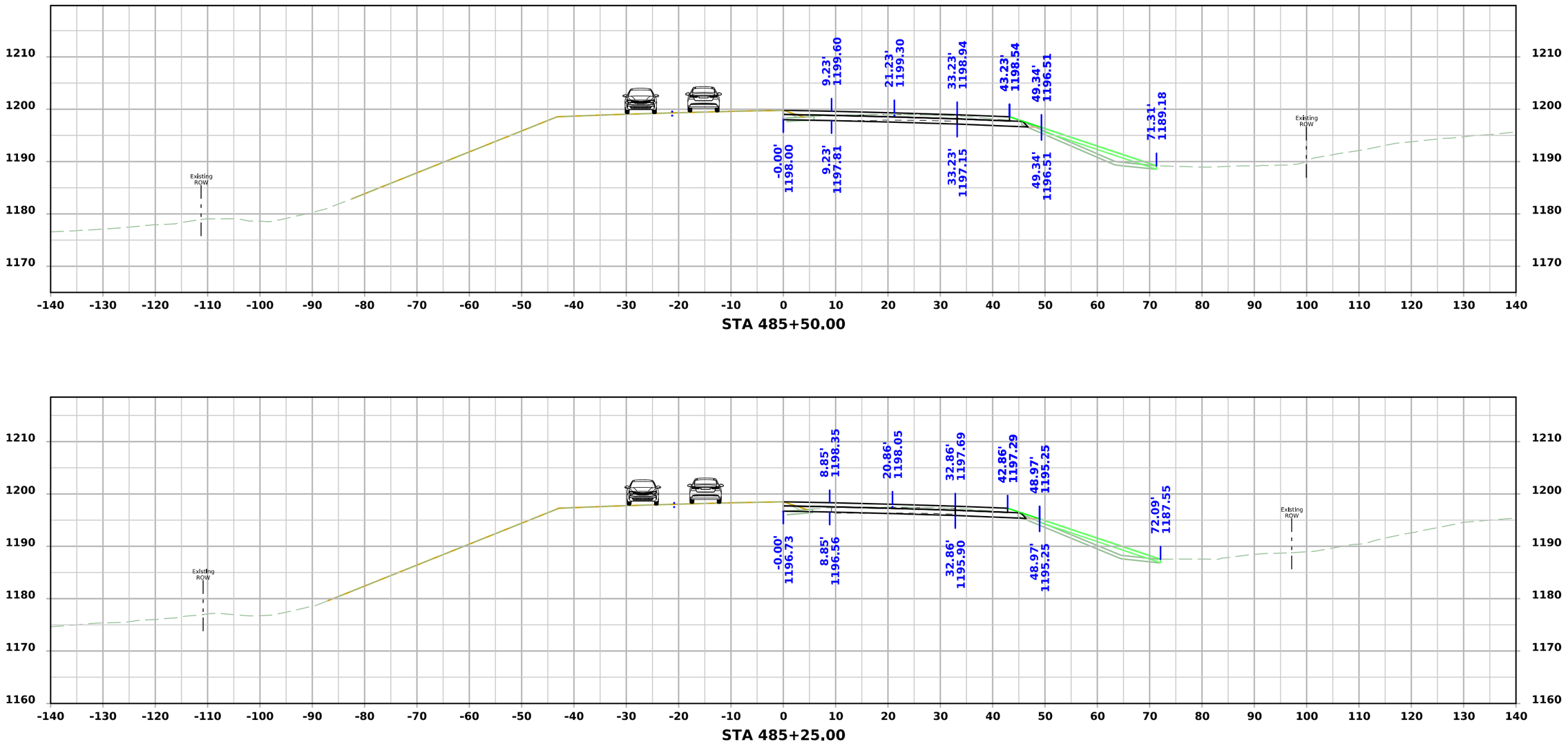


STA 484+75.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3025

1:19:58 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_1_78059056Z06.dgn

US 59 Stage 4



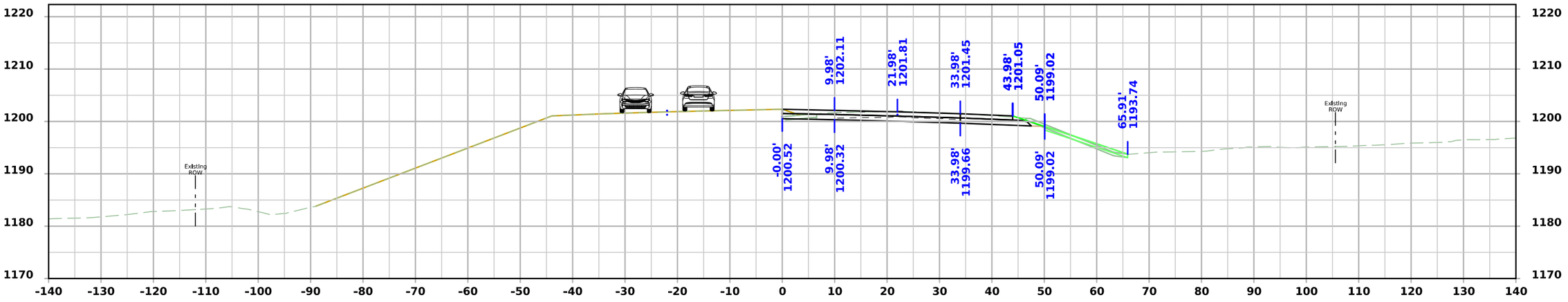
STA 485+50.00

STA 485+25.00

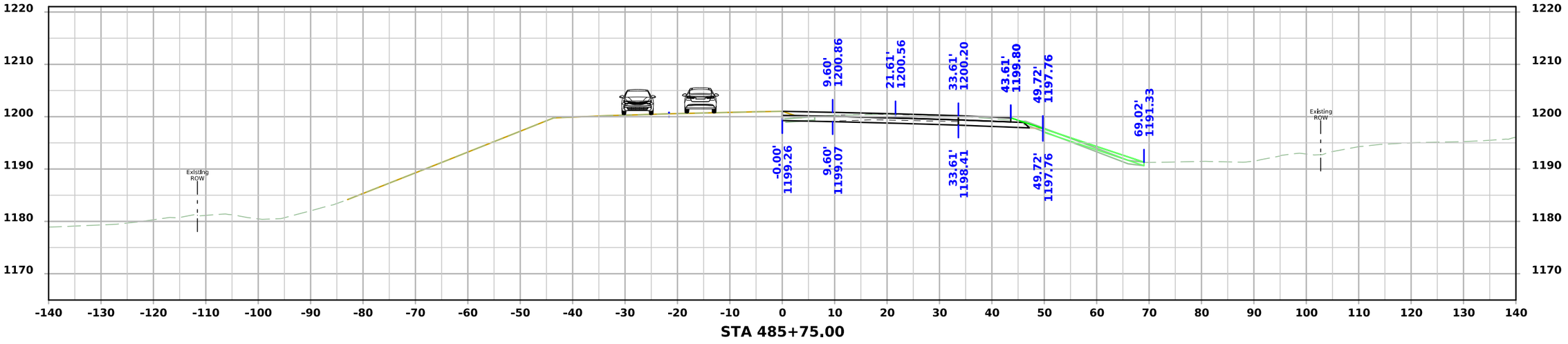
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3026

1:20:00 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_1_78059056Z06.dgn

US 59 Stage 4



STA 486+00.00

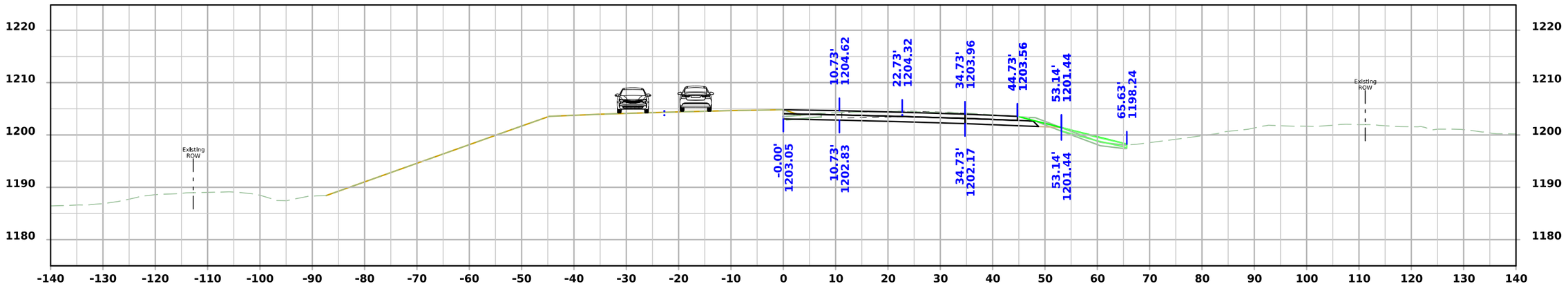


STA 485+75.00

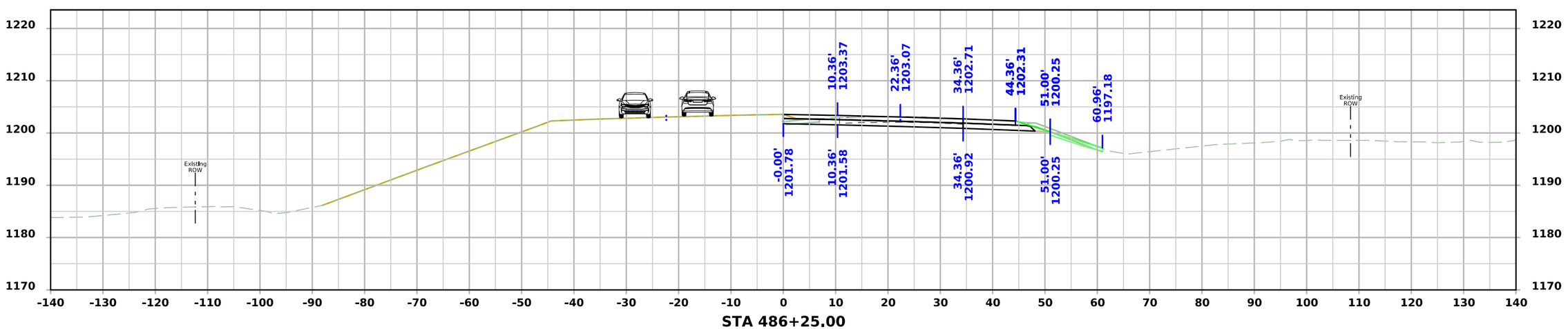
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3027

1:20:02 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_1_78059056Z06.dgn

US 59 Stage 4



STA 486+50.00

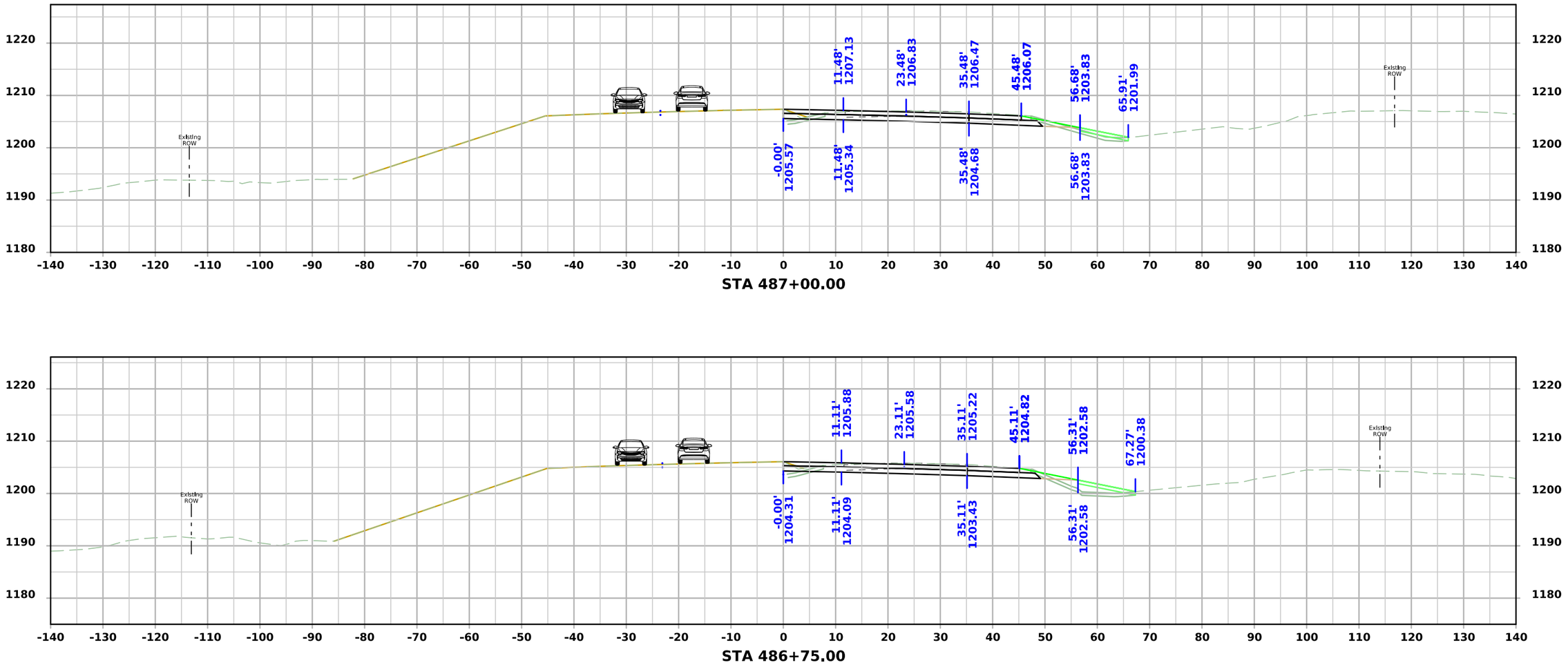


STA 486+25.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3028

1:20:04 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_1_78059056Z06.dgn

US 59 Stage 4



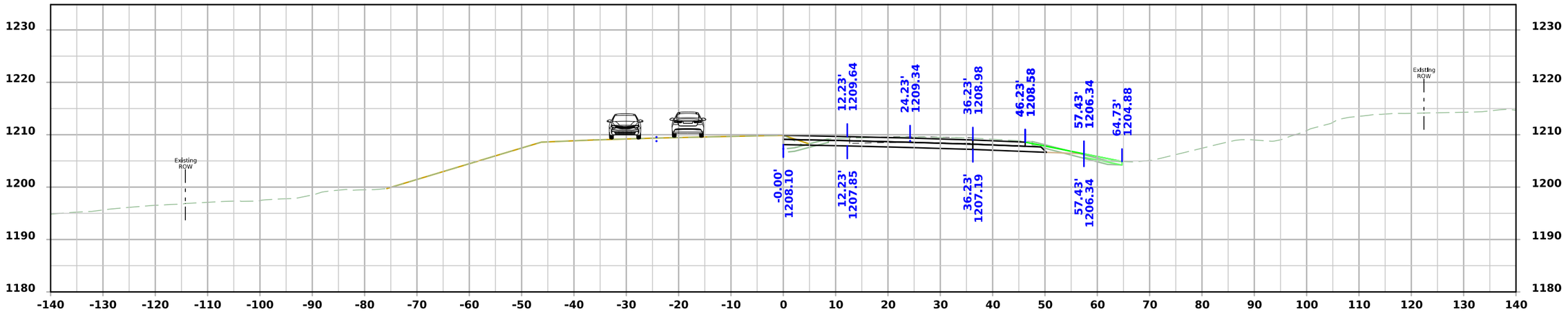
STA 487+00.00

STA 486+75.00

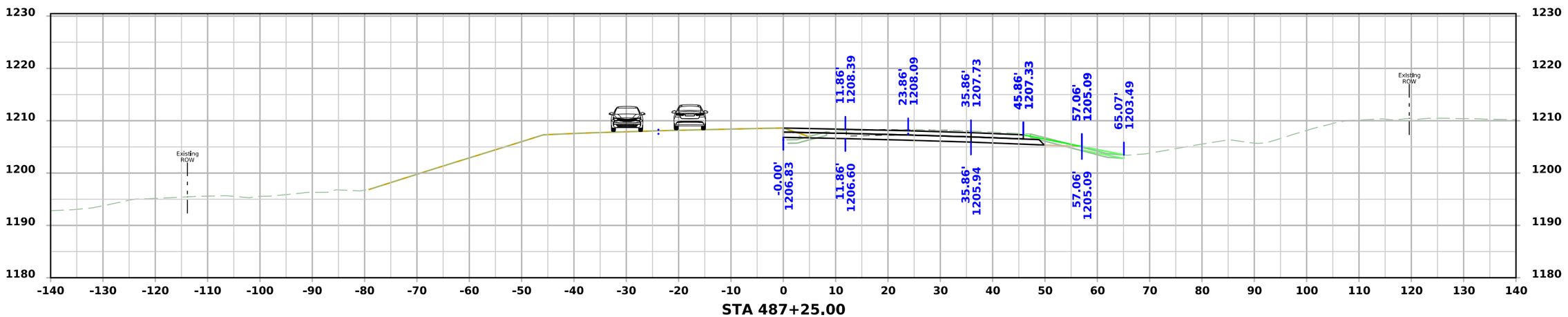
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3029

1:20:06 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_1_78059056Z06.dgn

US 59 Stage 4



STA 487+50.00

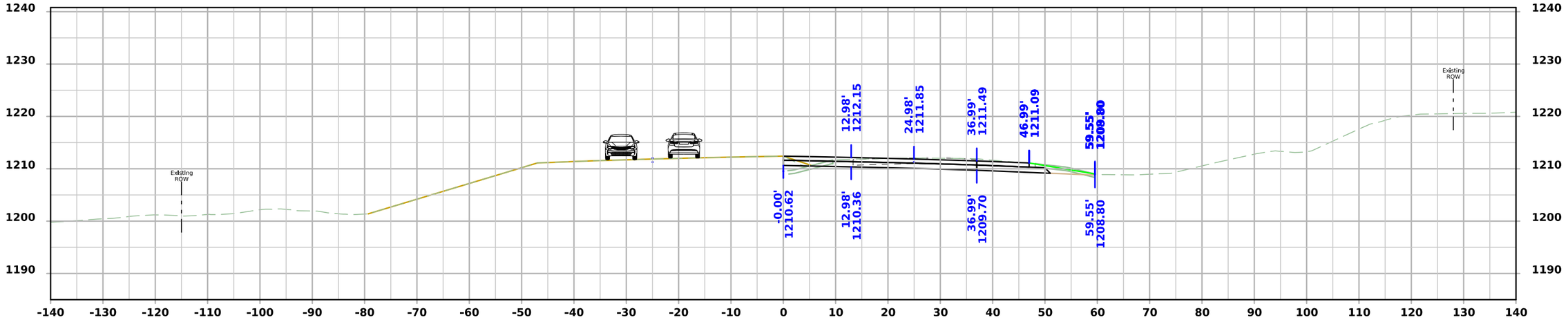


STA 487+25.00

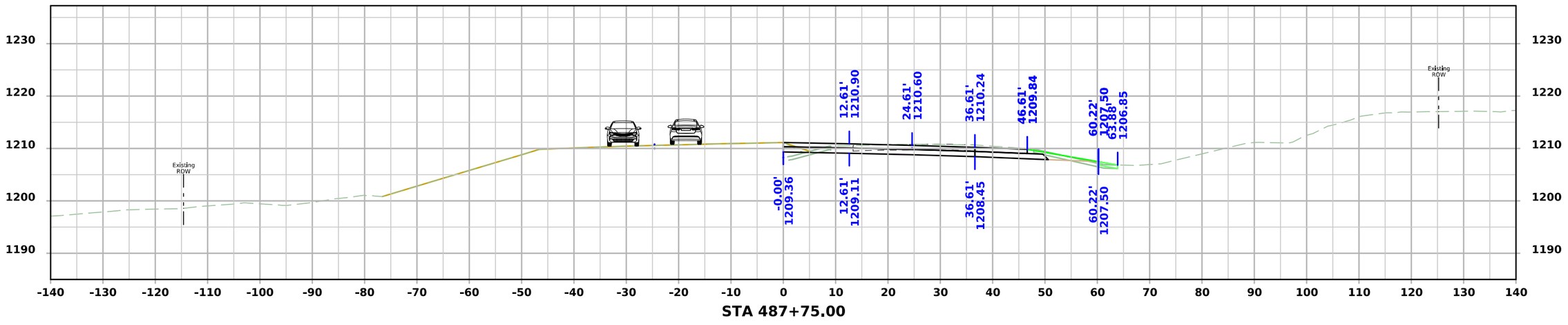
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3030

1:20:07 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_1_78059056Z06.dgn

US 59 Stage 4



STA 488+00.00

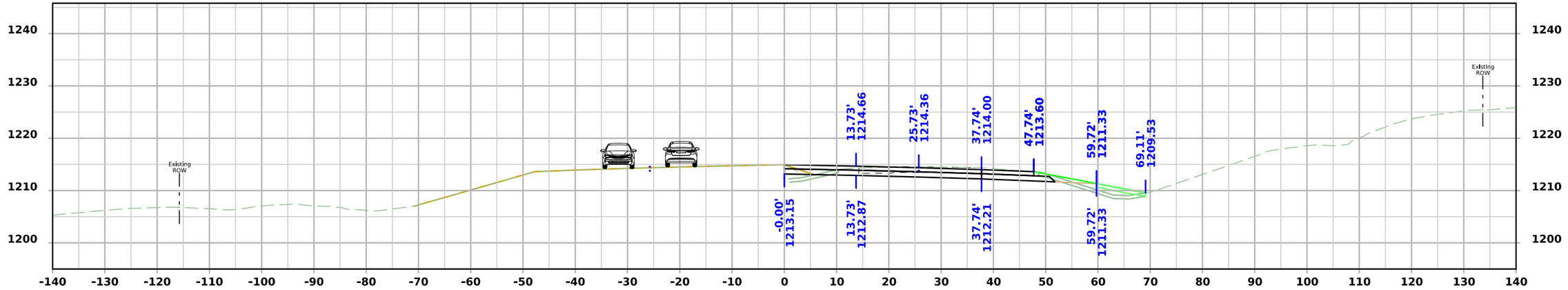


STA 487+75.00

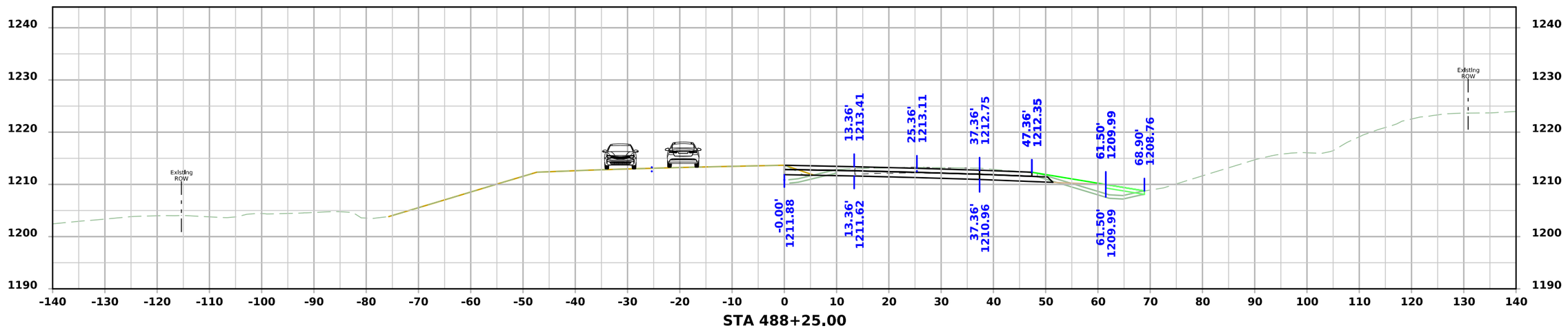
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3031

1:20:09 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_1_78059056Z06.dgn

US 59 Stage 4



STA 488+50.00

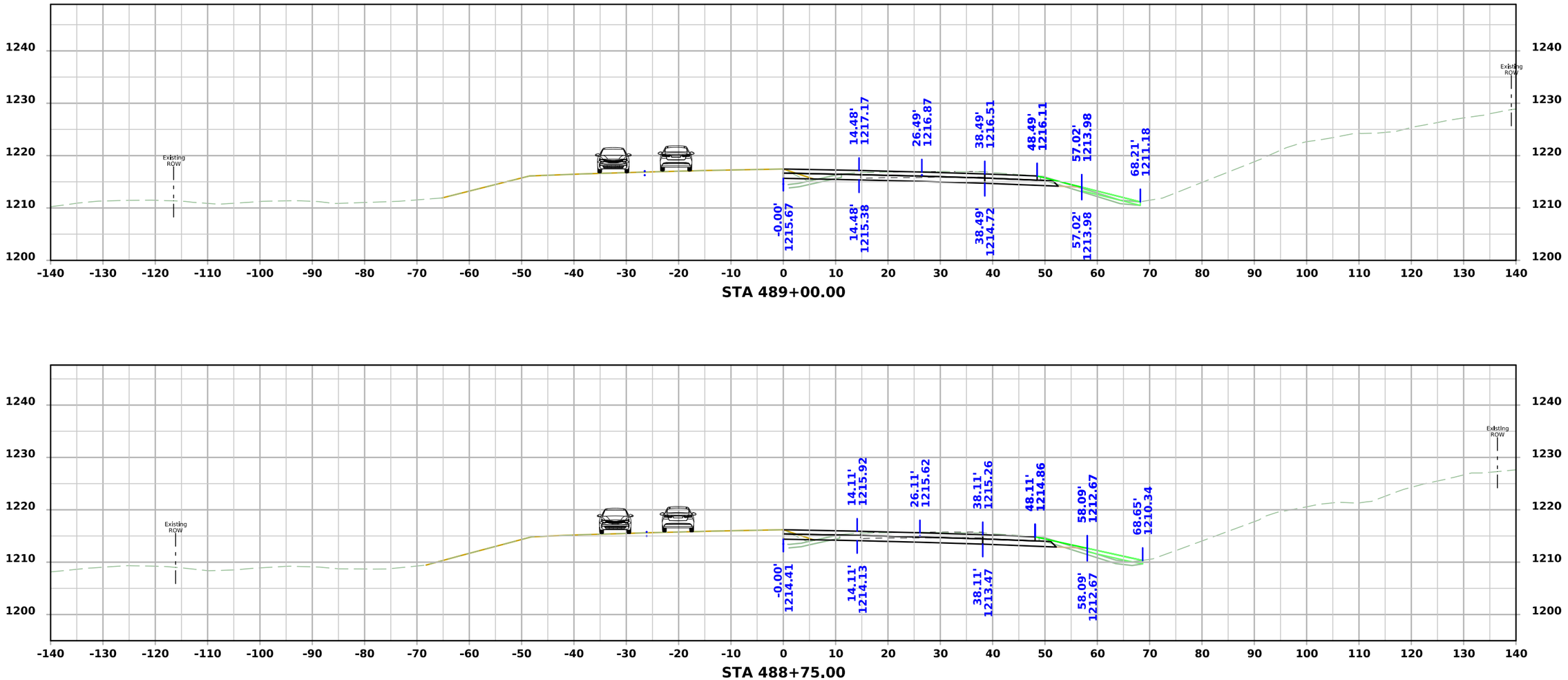


STA 488+25.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3032

1:20:11 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_1_78059056Z06.dgn

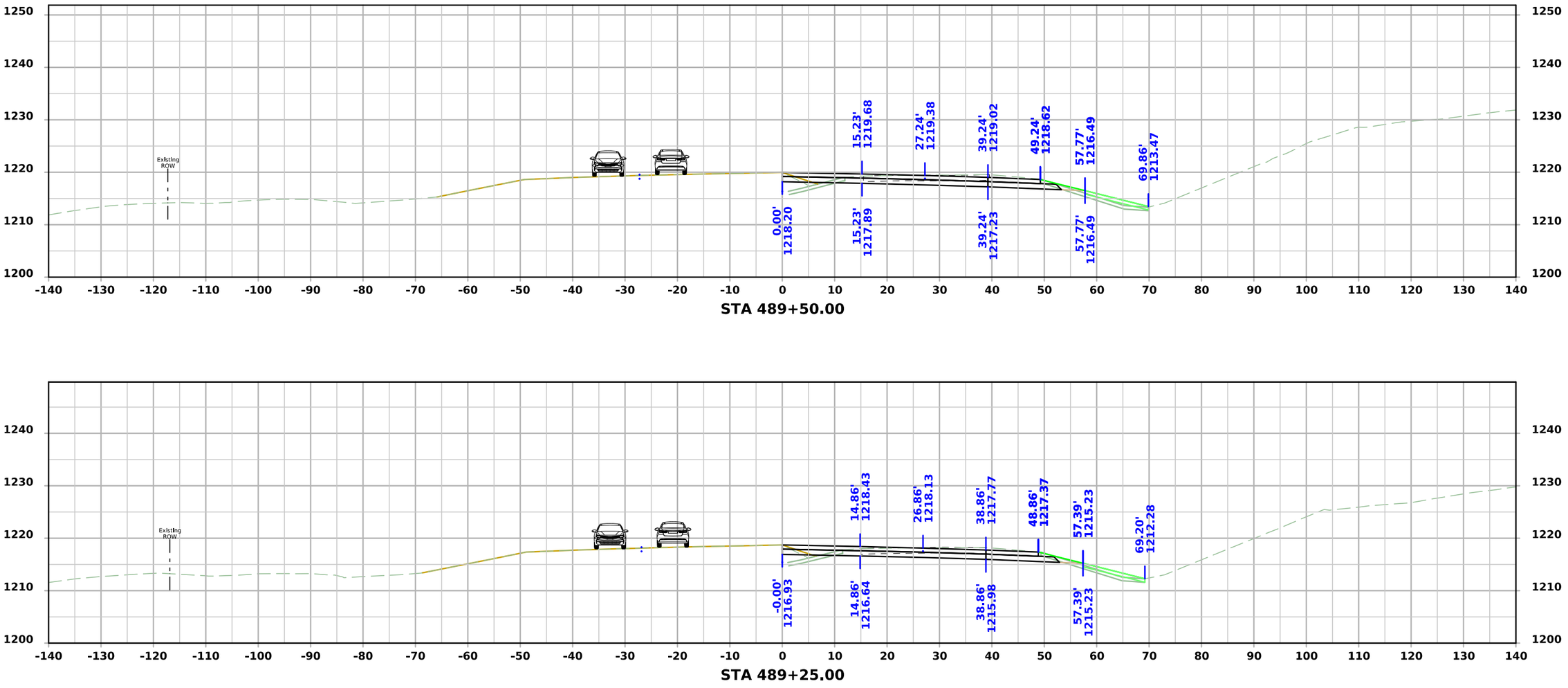
US 59 Stage 4



FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3033

1:20:13 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_1_78059056Z06.dgn

US 59 Stage 4



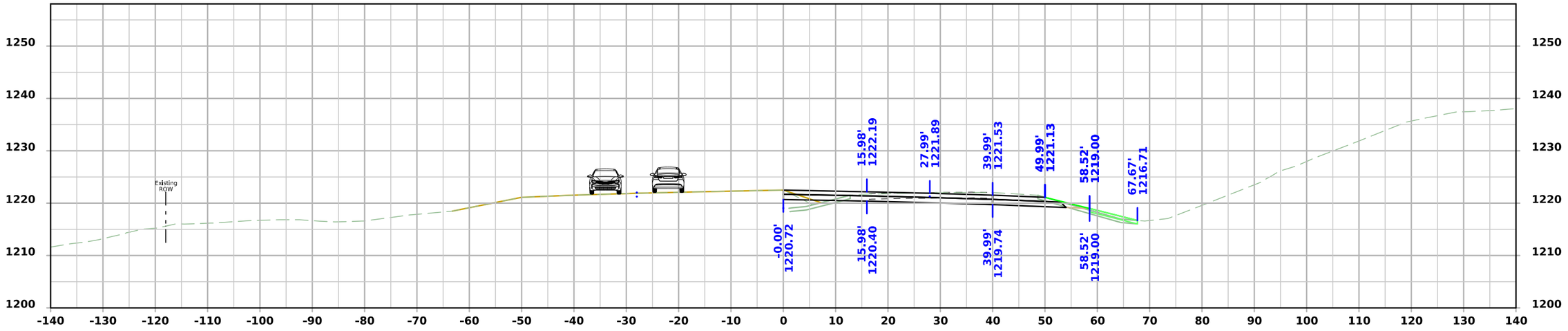
STA 489+50.00

STA 489+25.00

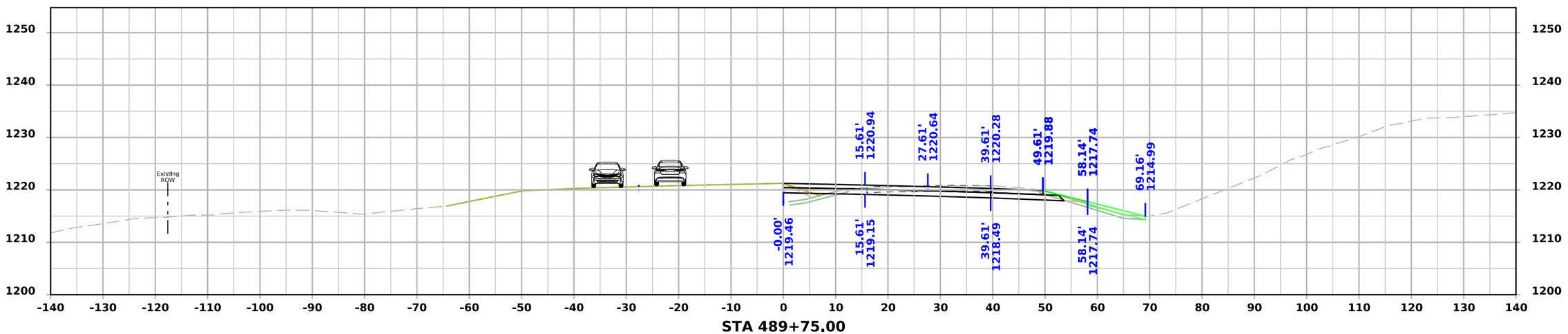
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3034

1:20:15 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_1_78059056Z06.dgn

US 59 Stage 4



STA 490+00.00

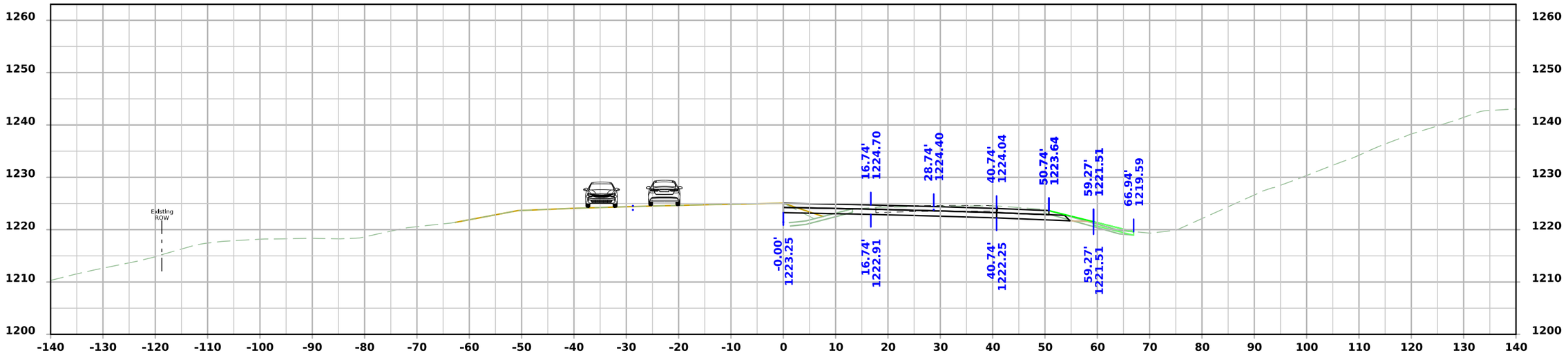


STA 489+75.00

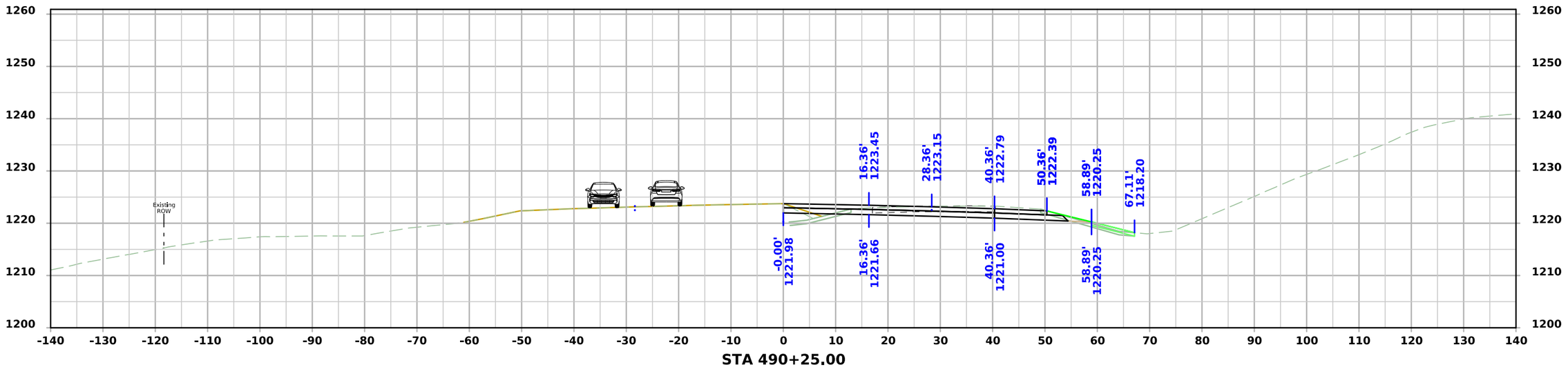
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3035

1:20:17 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_1_78059056Z06.dgn

US 59 Stage 4



STA 490+50.00

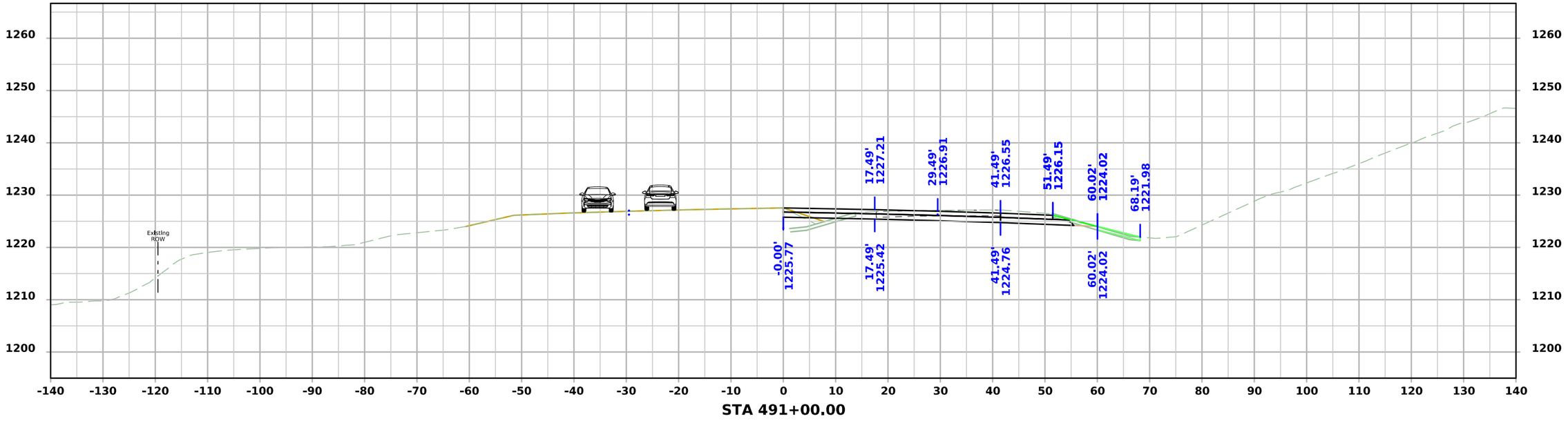


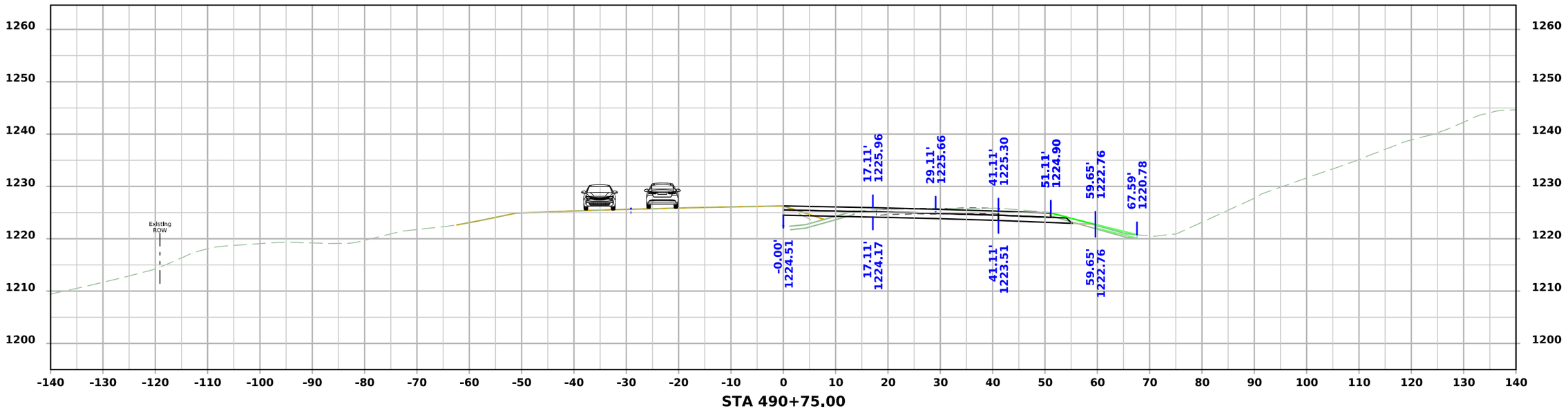
STA 490+25.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3036

1:20:19 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_1_78059056Z06.dgn

US 59 Stage 4

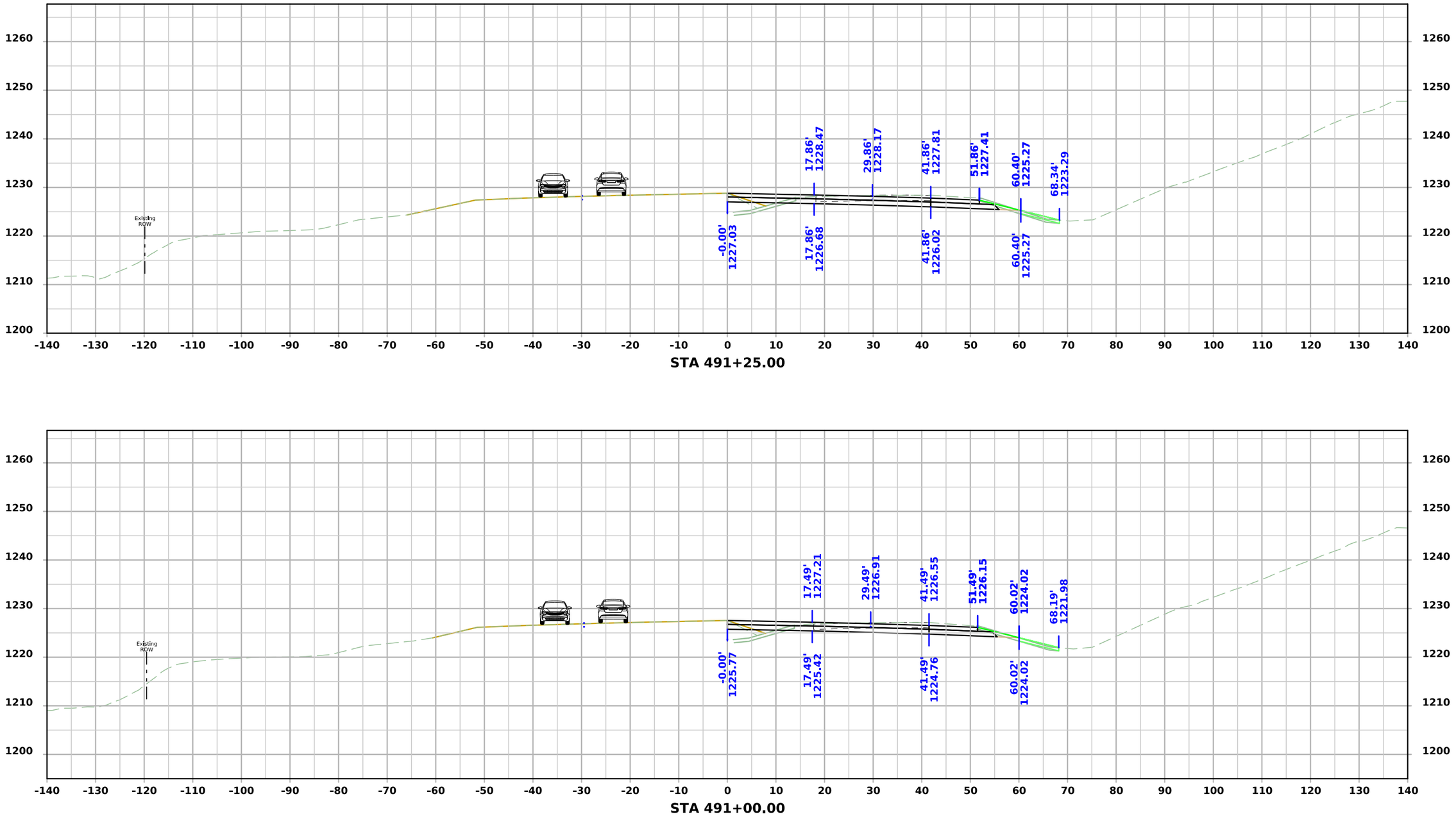




FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3037

1:20:20 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_1_78059056Z06.dgn

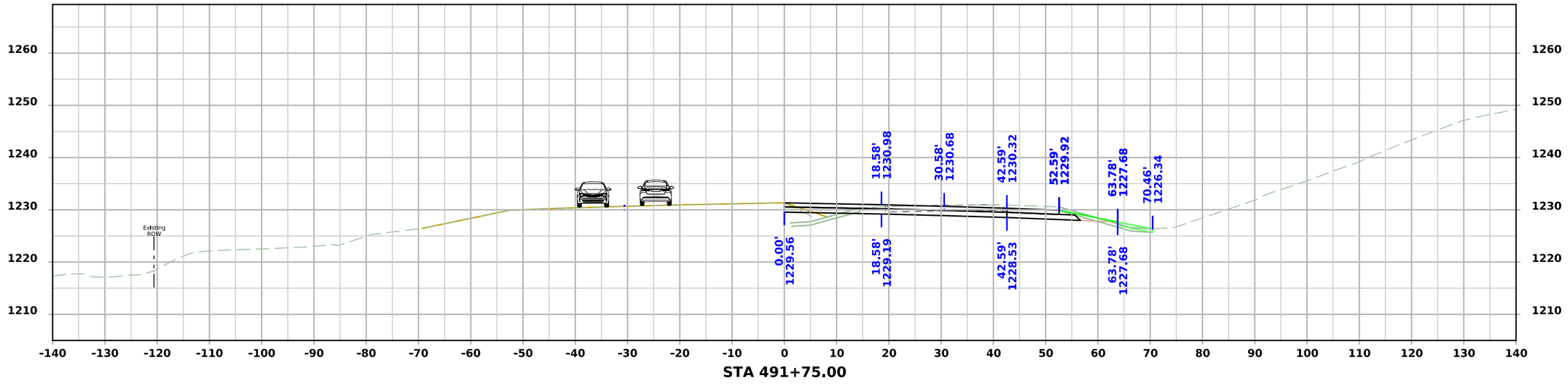
US 59 Stage 4

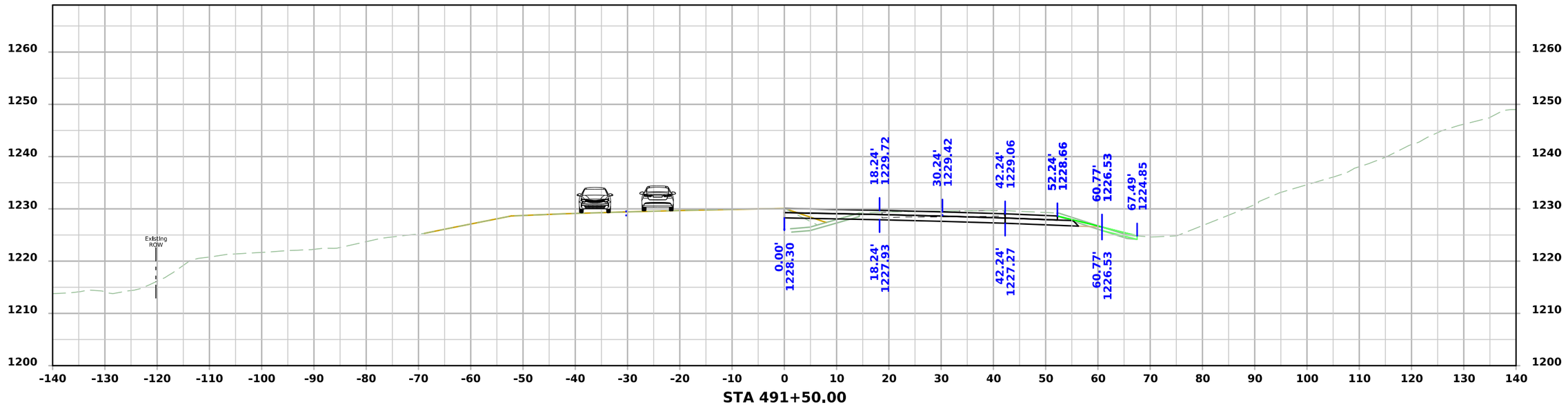


FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3038

1:08:16 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_2_78059056Z06.dgn

US 59 Stage 4

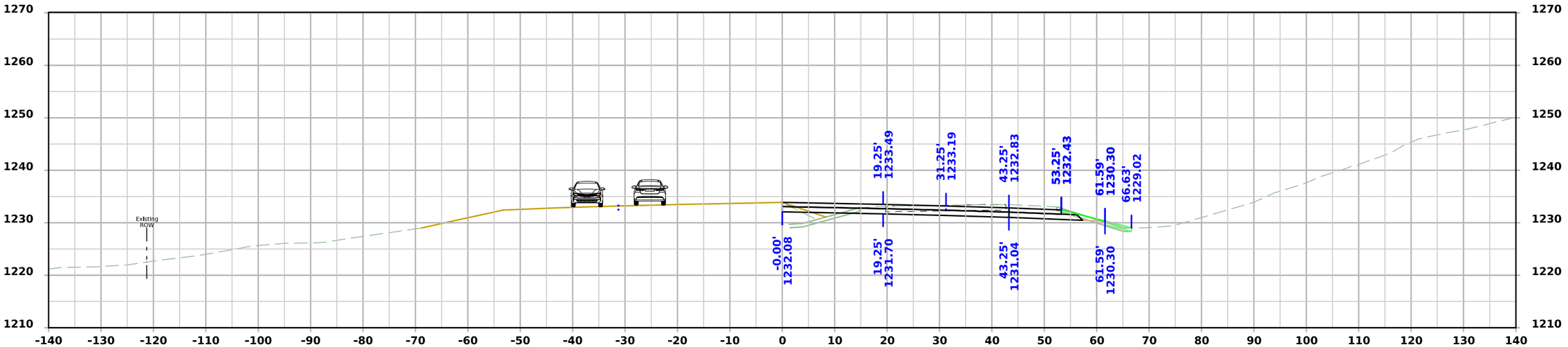




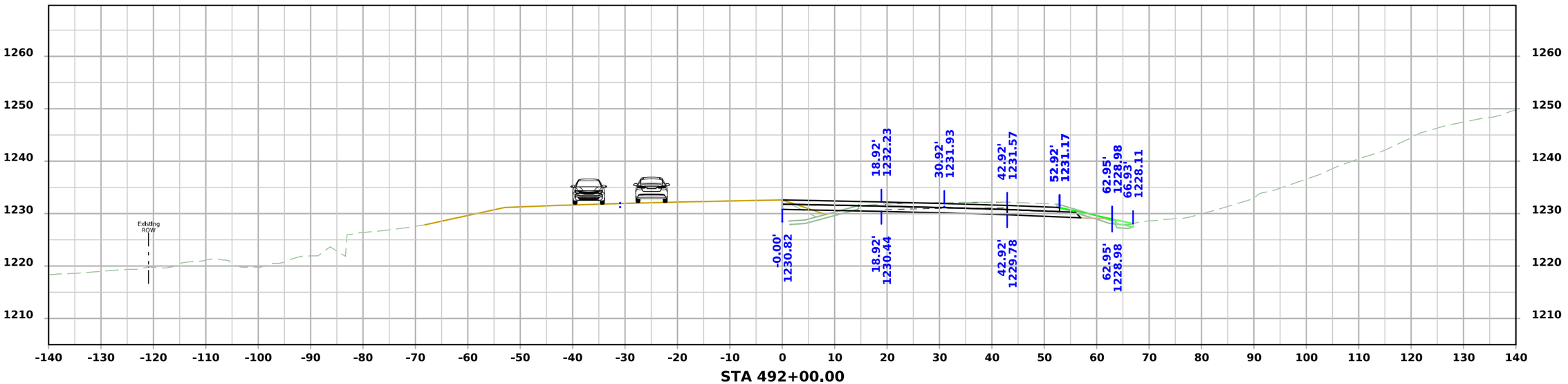
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3039

1:08:18 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_2_78059056Z06.dgn

US 59 Stage 4



STA 492+25.00

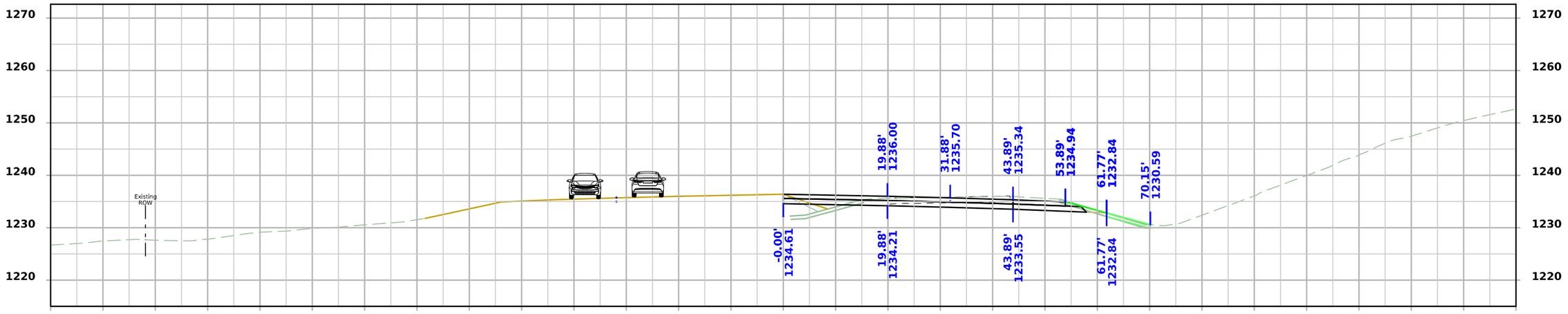


STA 492+00.00

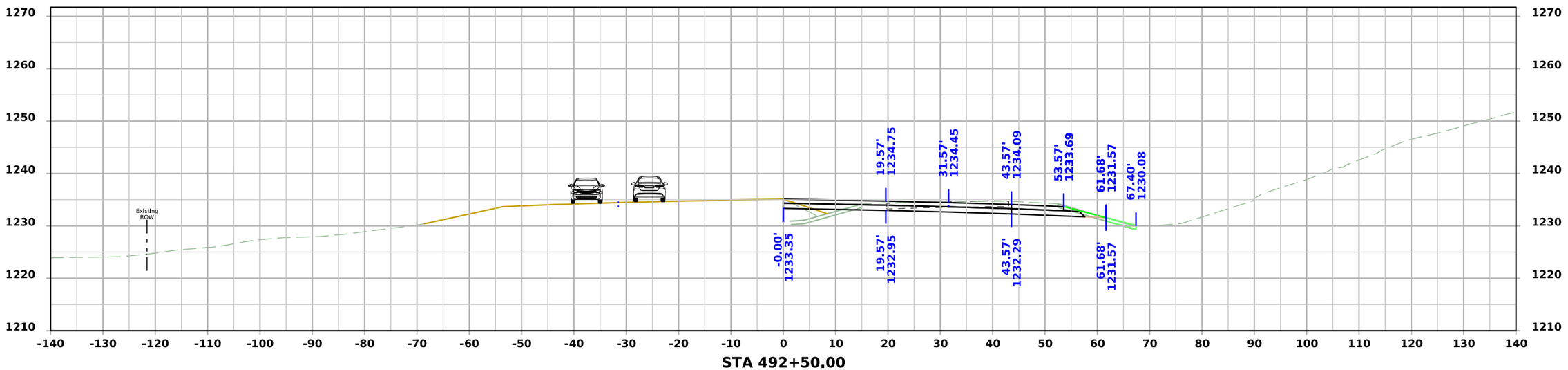
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3040

1:08:22 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_2_78059056Z06.dgn

US 59 Stage 4



STA 492+75.00

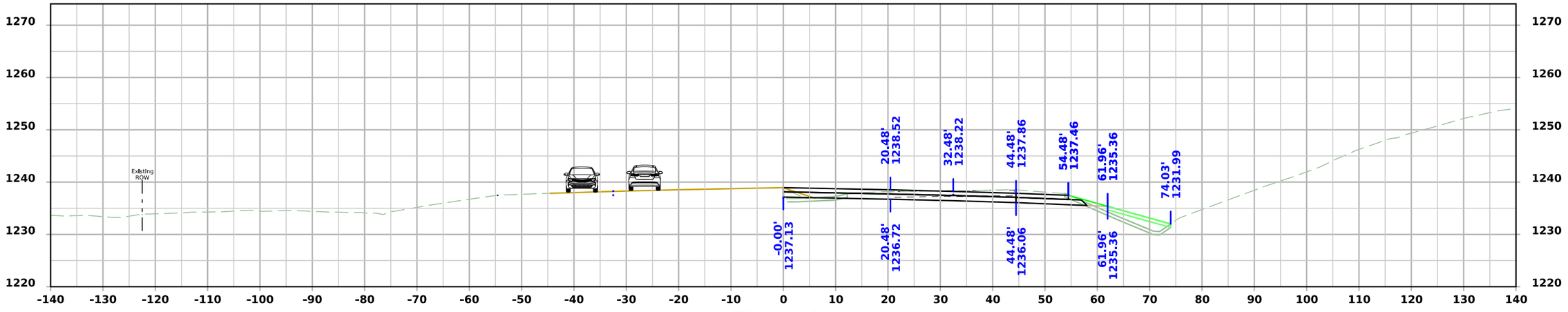


STA 492+50.00

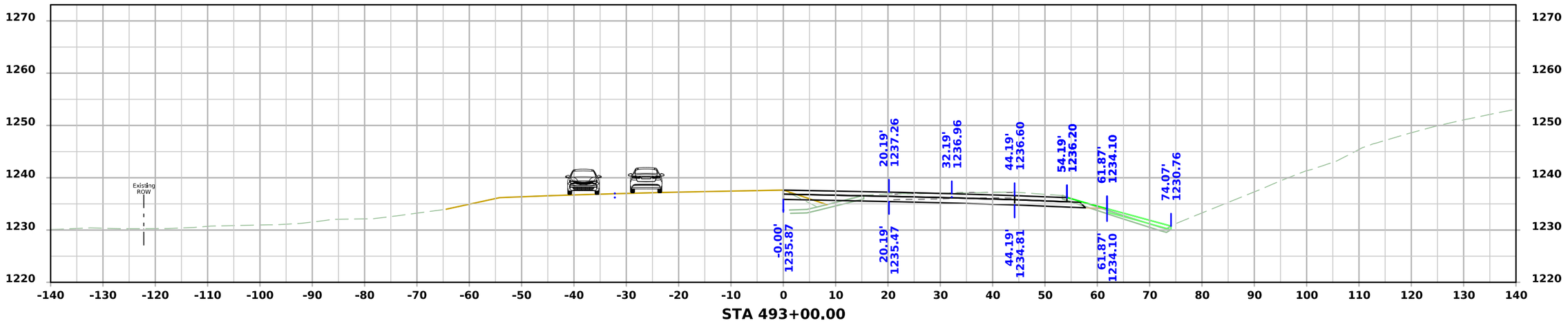
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3041

1:08:26 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_2_78059056Z06.dgn

US 59 Stage 4



STA 493+25.00

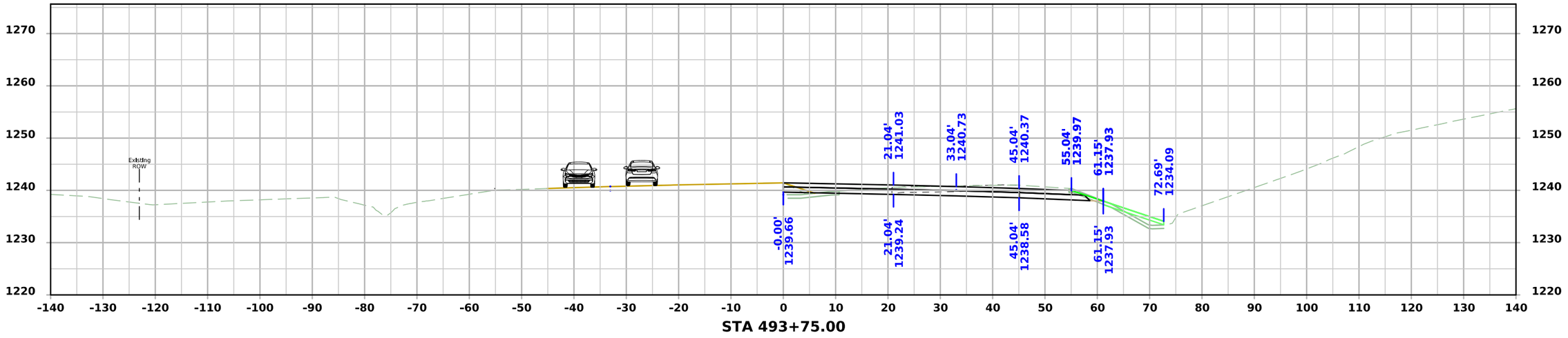


STA 493+00.00

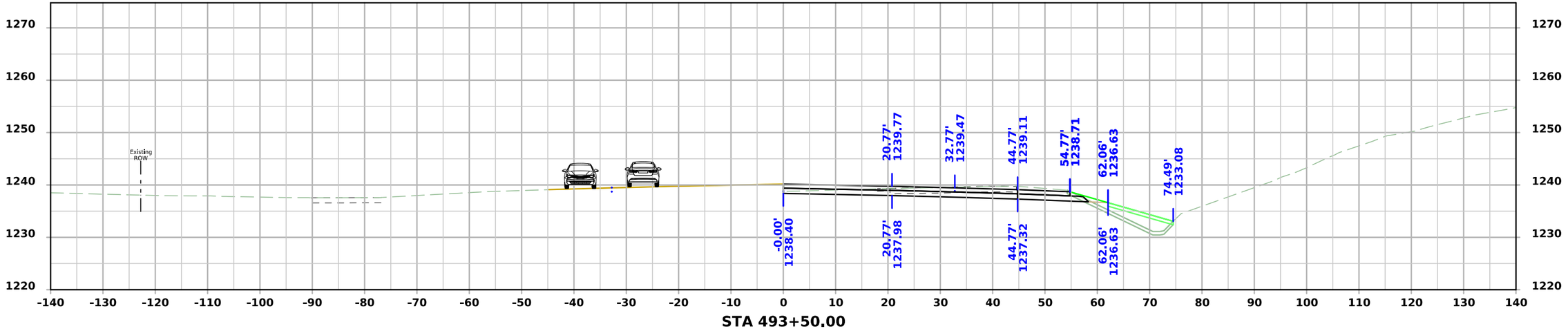
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3042

1:08:30 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_2_78059056Z06.dgn

US 59 Stage 4



STA 493+75.00

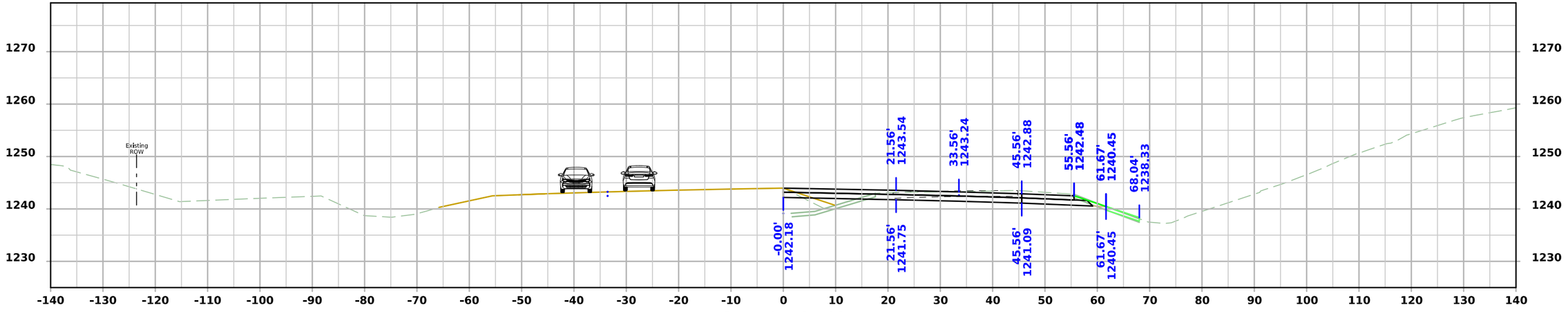


STA 493+50.00

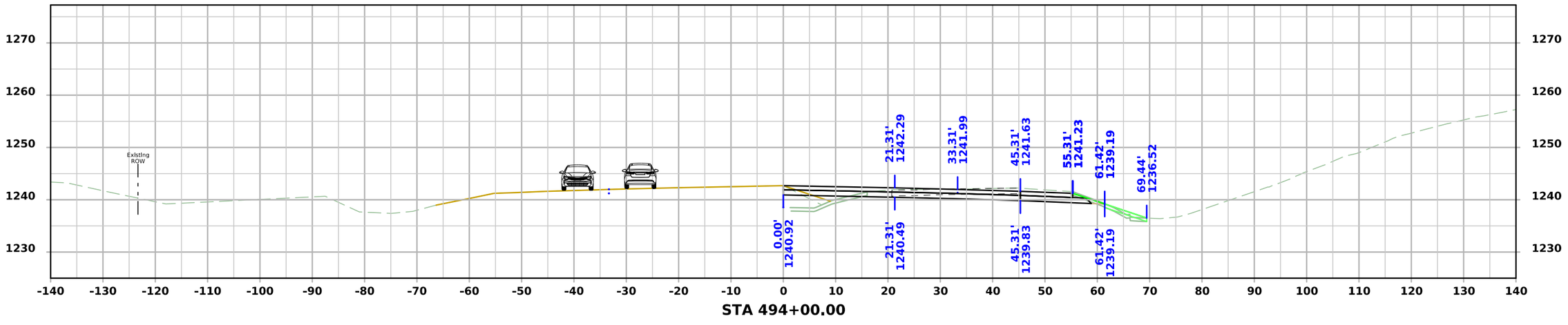
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3043

1:08:33 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_2_78059056Z06.dgn

US 59 Stage 4



STA 494+25.00

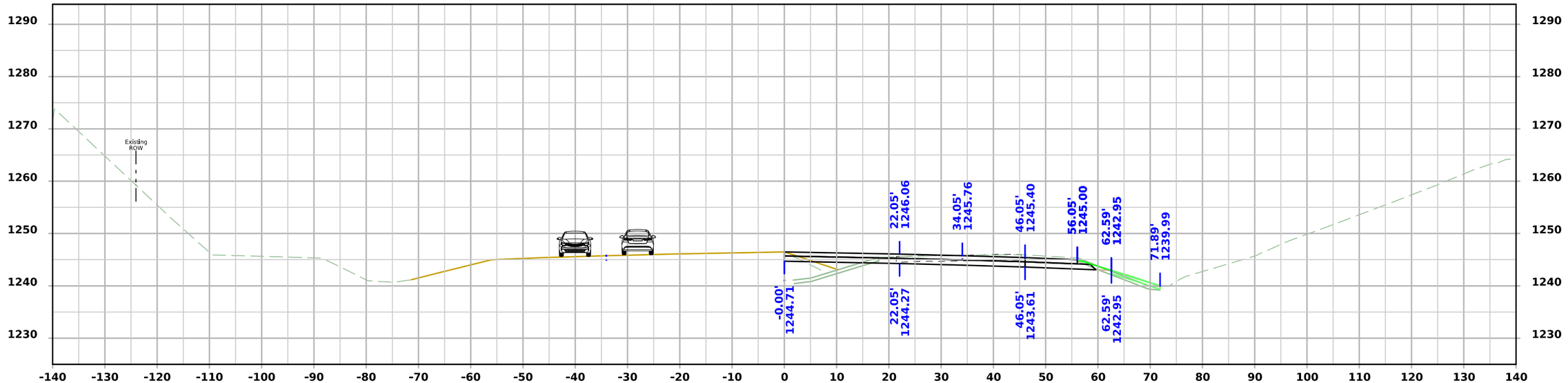


STA 494+00.00

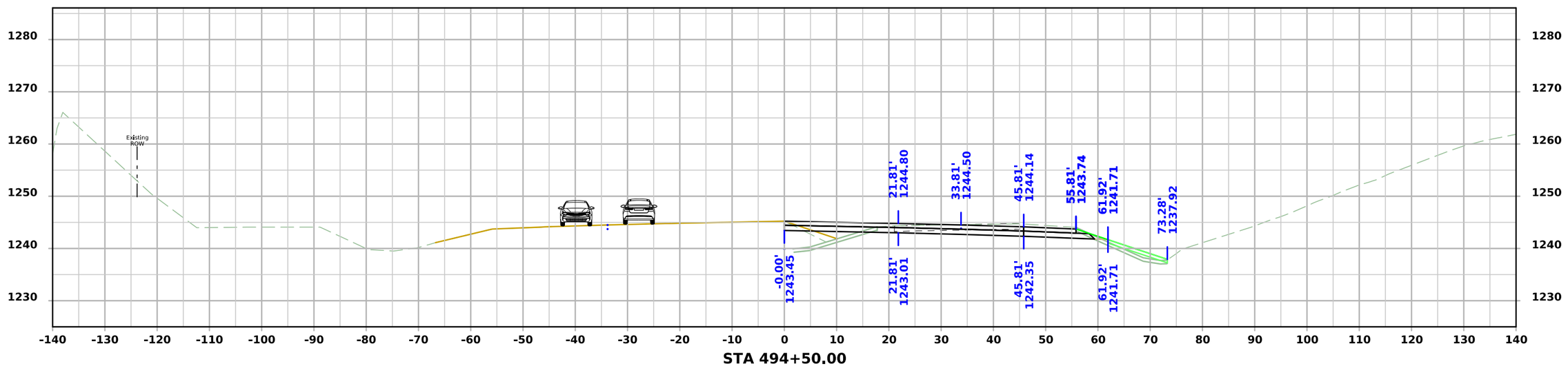
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3044

1:08:37 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_2_78059056Z06.dgn

US 59 Stage 4



STA 494+75.00

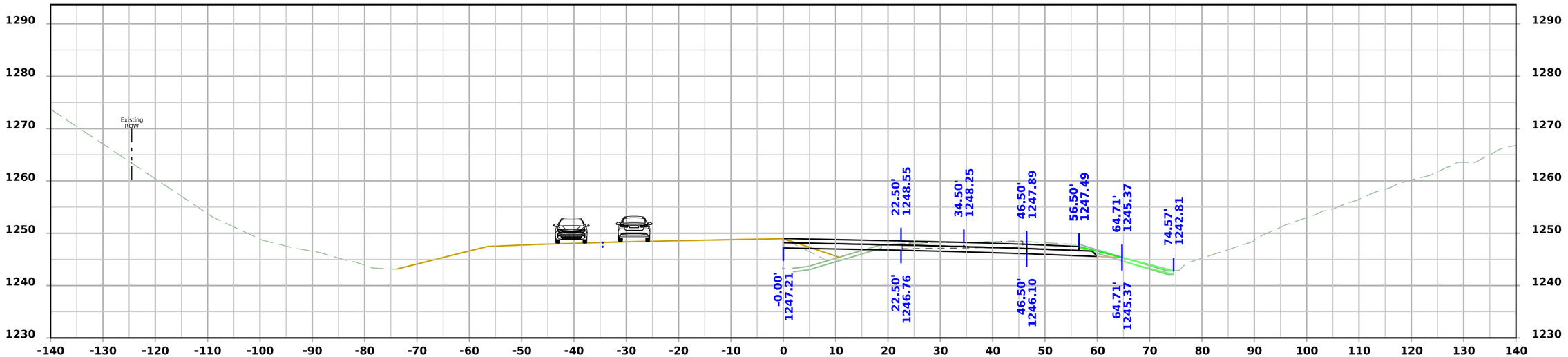


STA 494+50.00

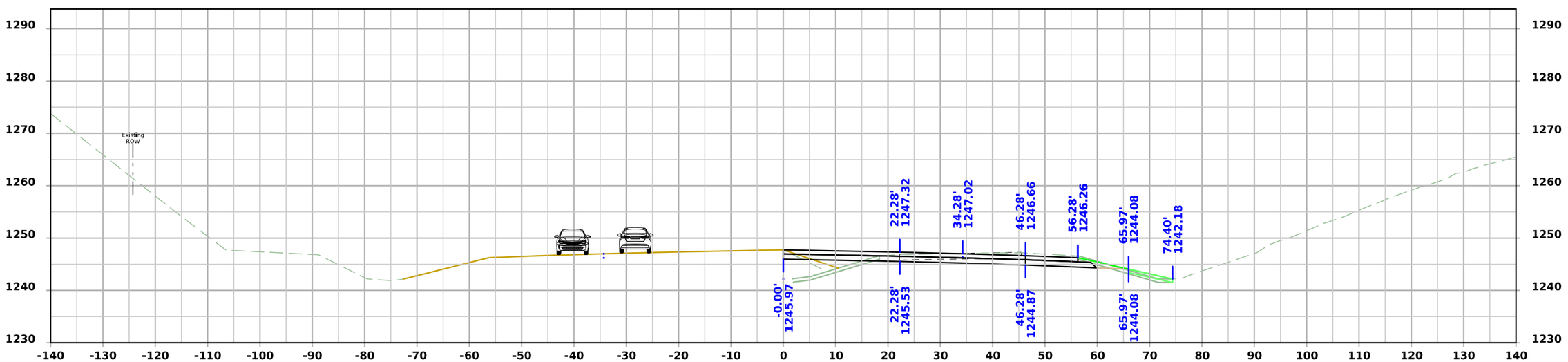
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3045

1:08:41 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_2_78059056Z06.dgn

US 59 Stage 4



STA 495+25.00

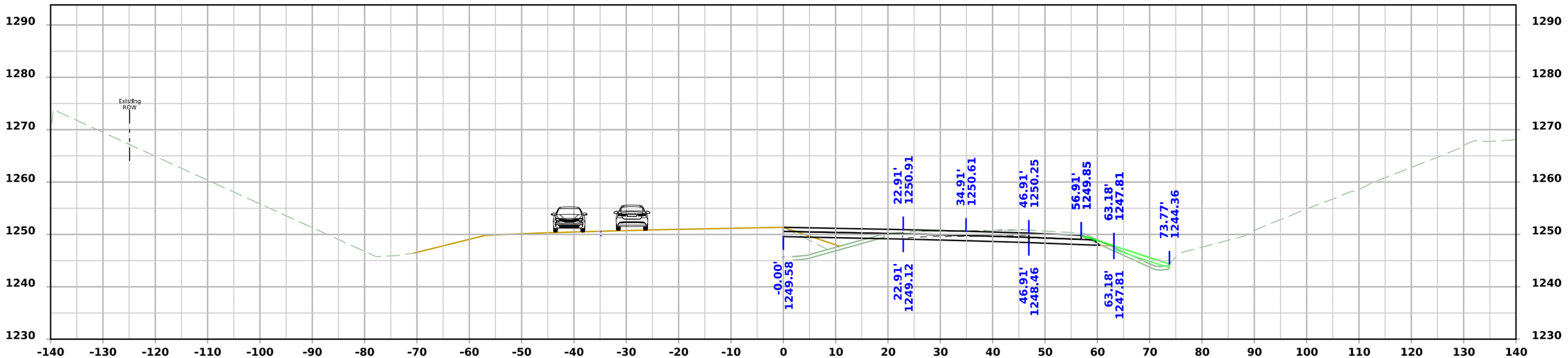


STA 495+00.00

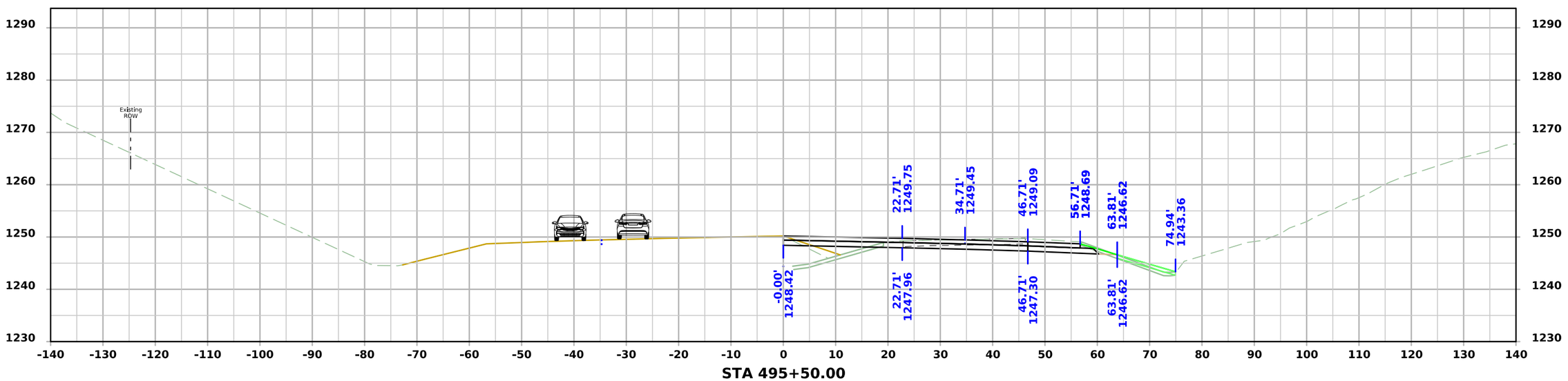
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3046

1:08:43 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_2_78059056Z06.dgn

US 59 Stage 4



STA 495+75.00

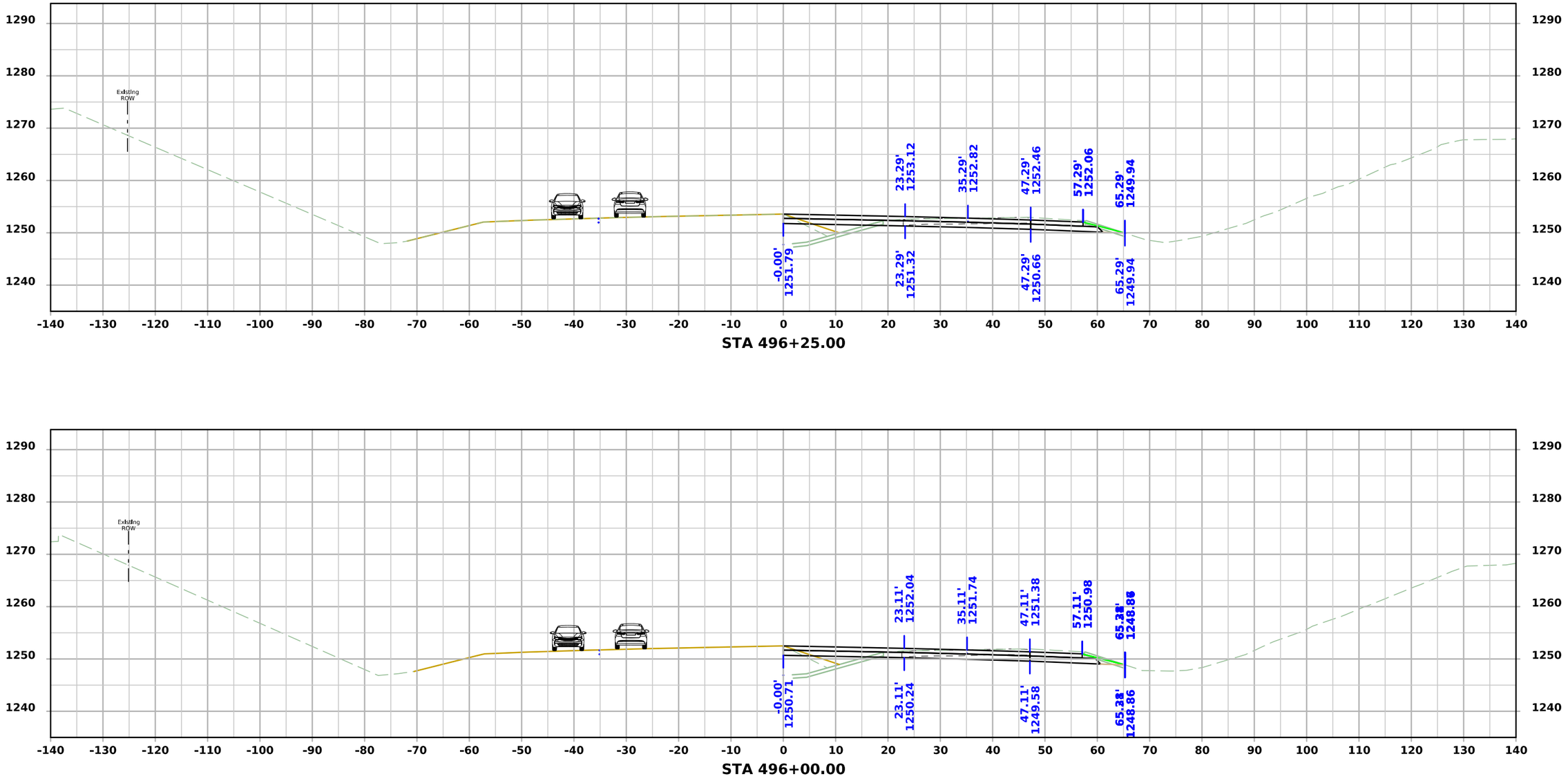


STA 495+50.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3047

1:08:46 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_2_78059056Z06.dgn

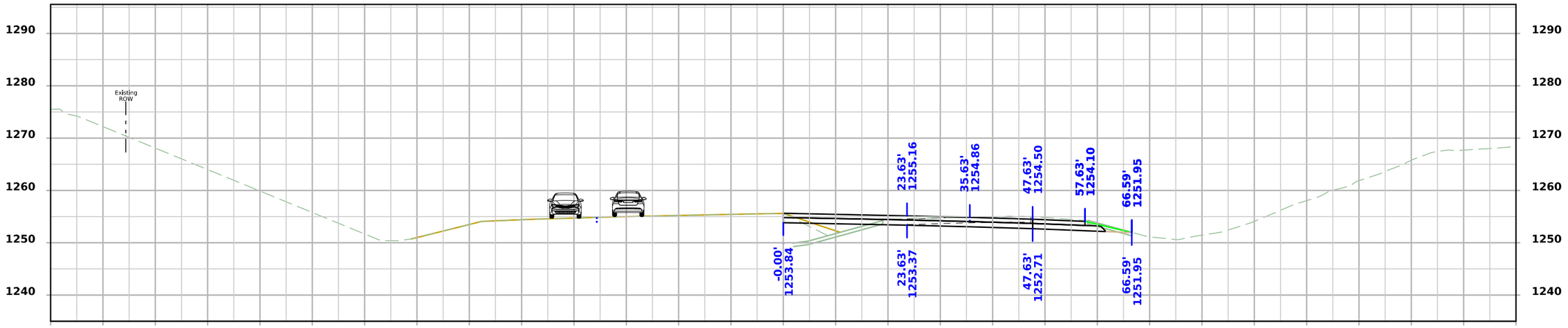
US 59 Stage 4



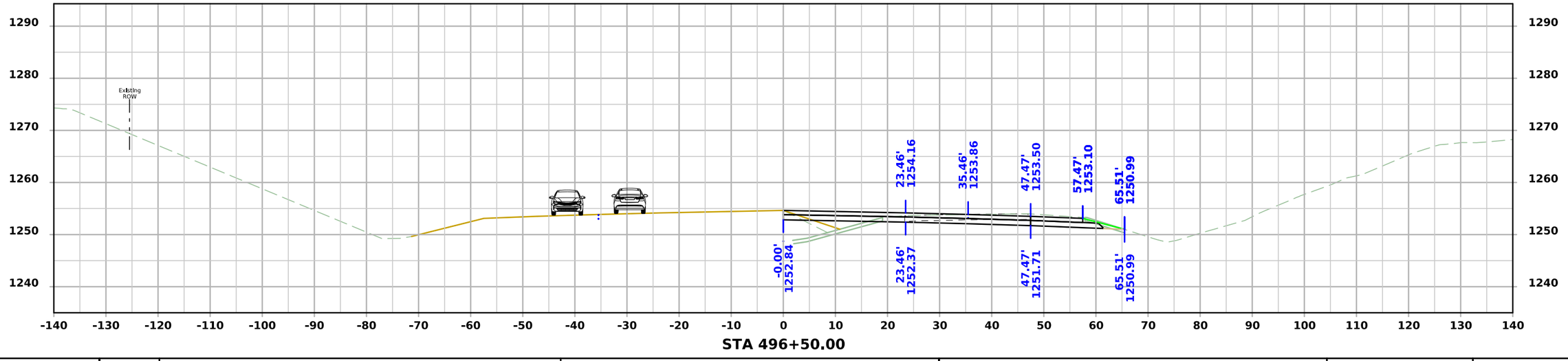
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3048

1:08:48 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_2_78059056Z06.dgn

US 59 Stage 4



STA 496+75.00

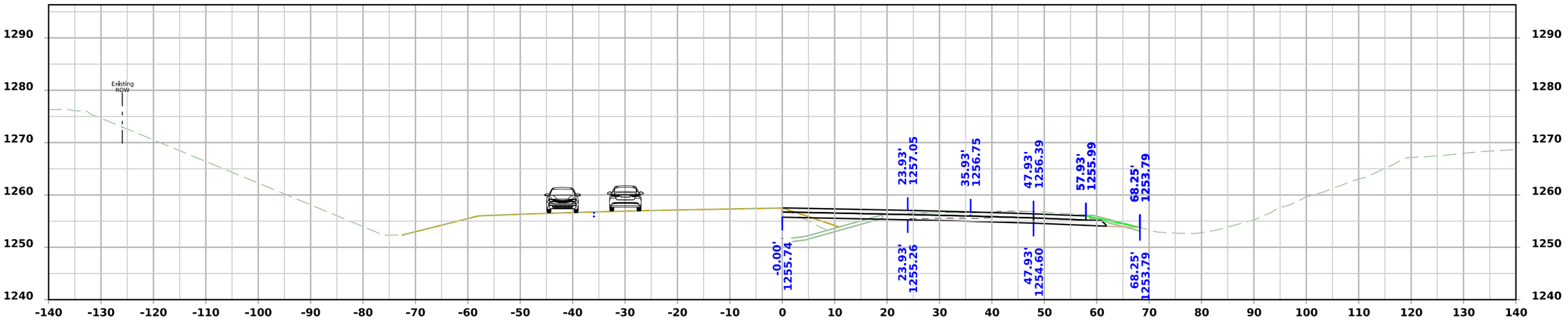


STA 496+50.00

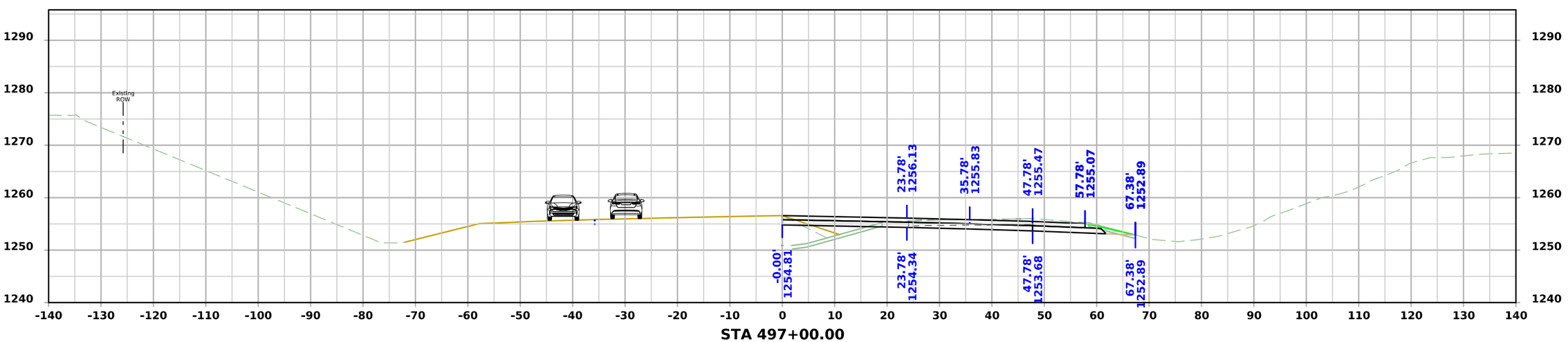
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3049

1:08:51 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_2_78059056Z06.dgn

US 59 Stage 4



STA 497+25.00

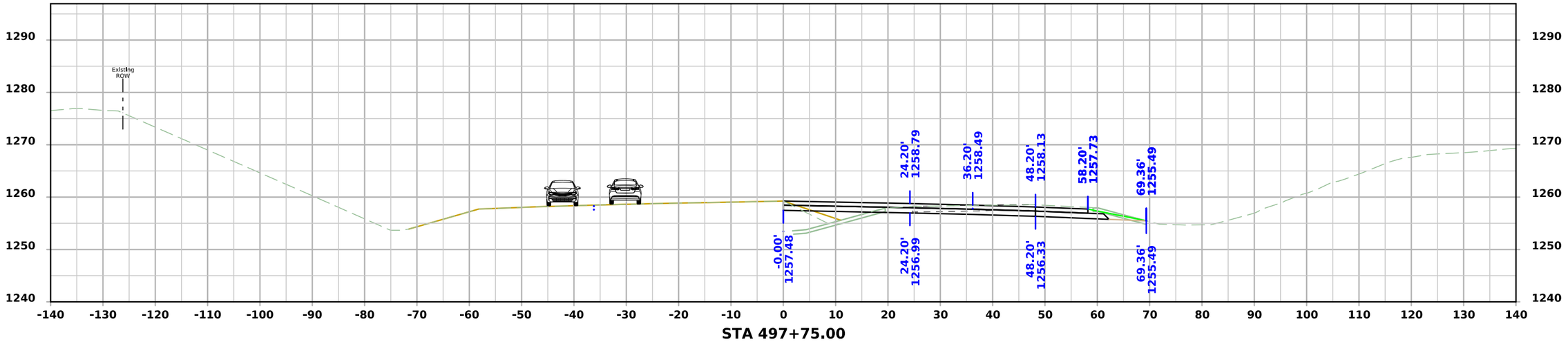


STA 497+00.00

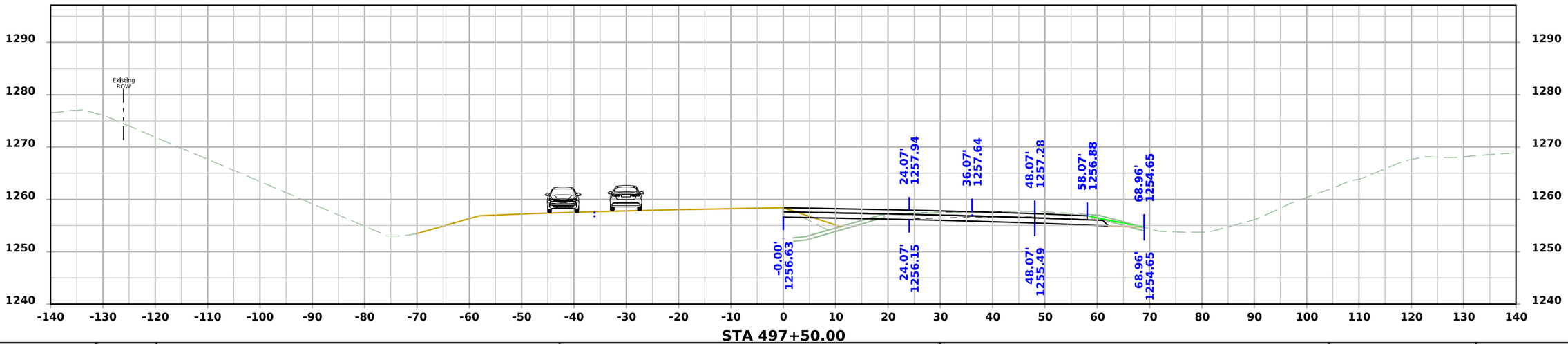
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3050

1:08:53 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_2_78059056Z06.dgn

US 59 Stage 4



STA 497+75.00

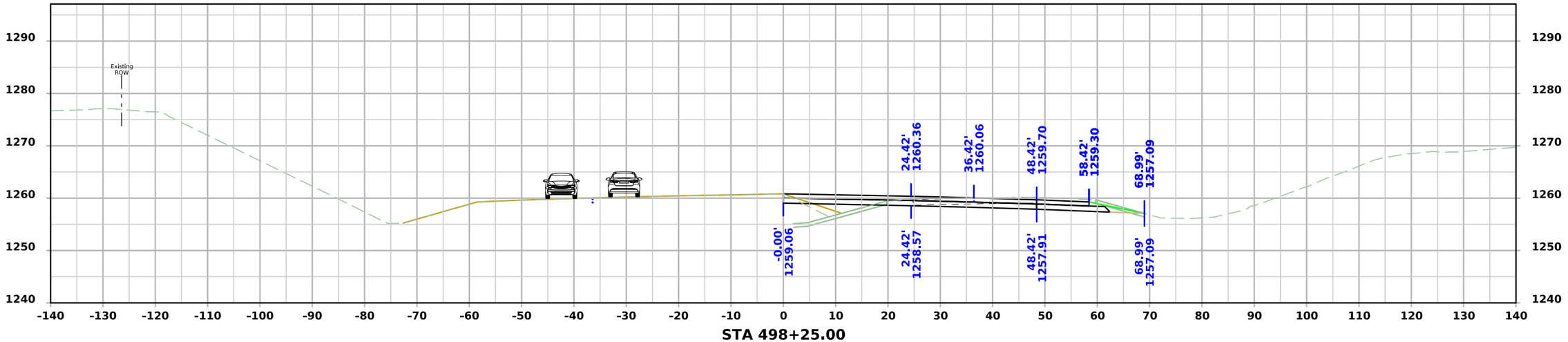


STA 497+50.00

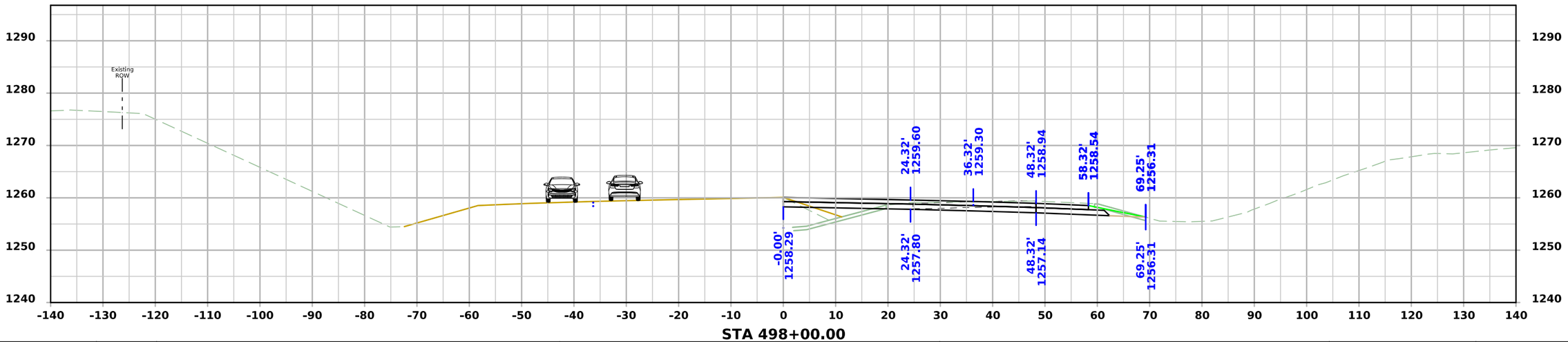
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3051

1:08:55 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_2_78059056Z06.dgn

US 59 Stage 4



STA 498+25.00

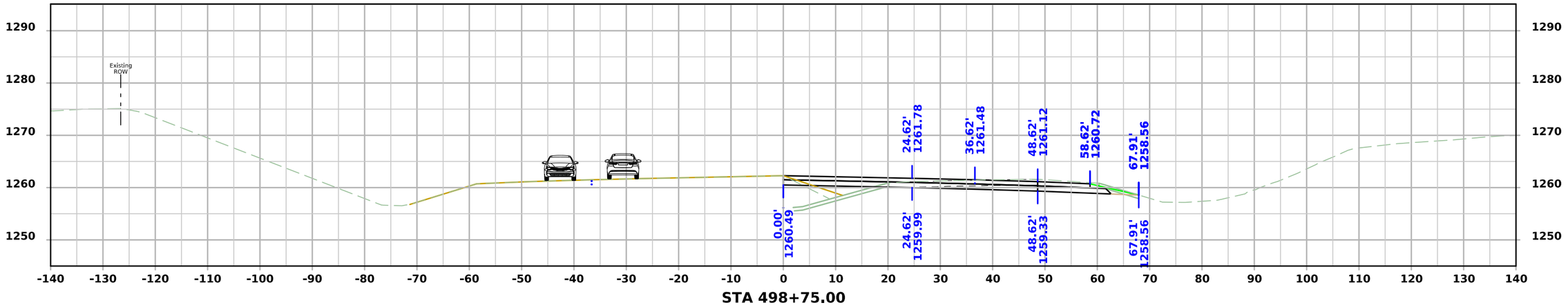


STA 498+00.00

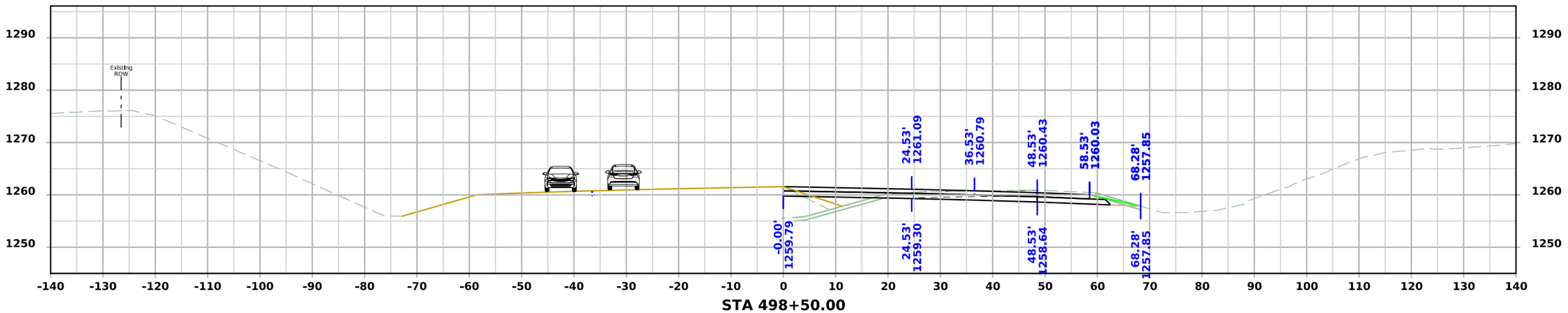
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3052

1:08:58 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_2_78059056Z06.dgn

US 59 Stage 4



STA 498+75.00

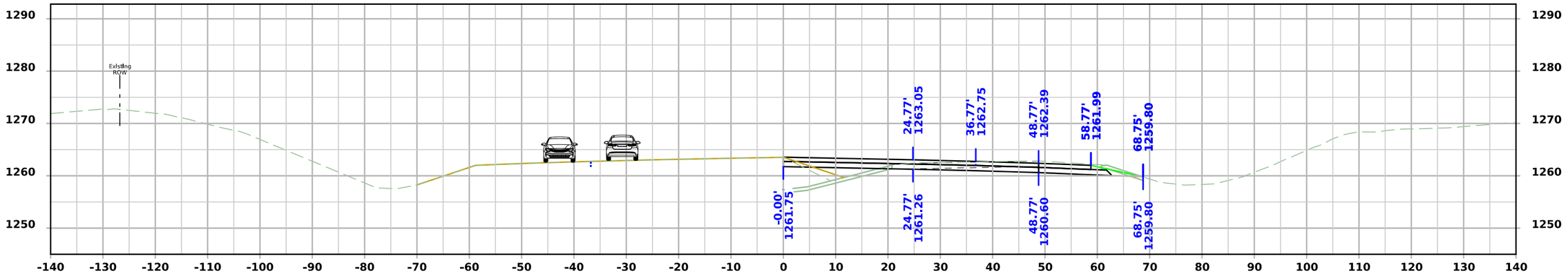


STA 498+50.00

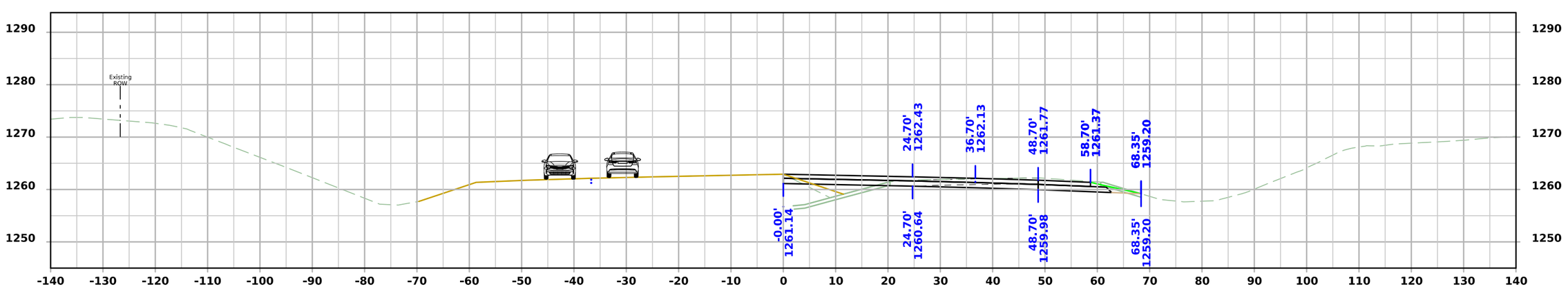
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3053

1:09:00 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_2_78059056Z06.dgn

US 59 Stage 4



STA 499+25.00

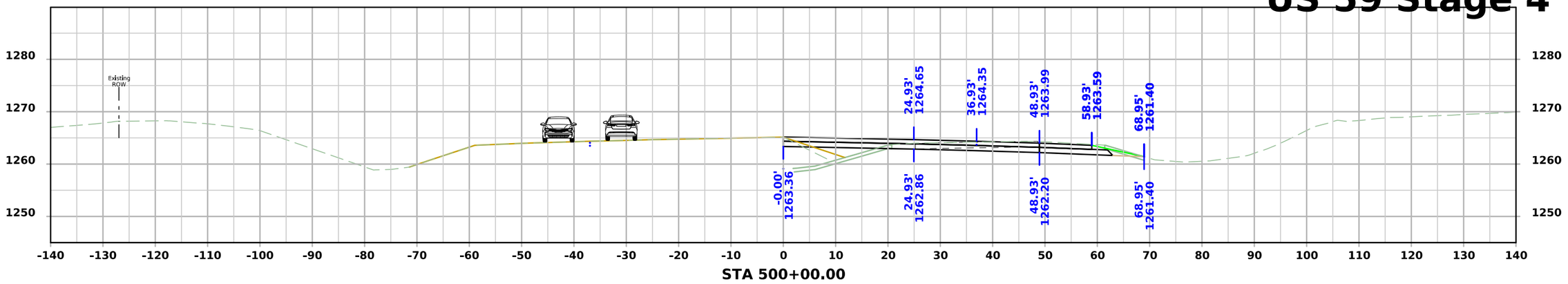


STA 499+00.00

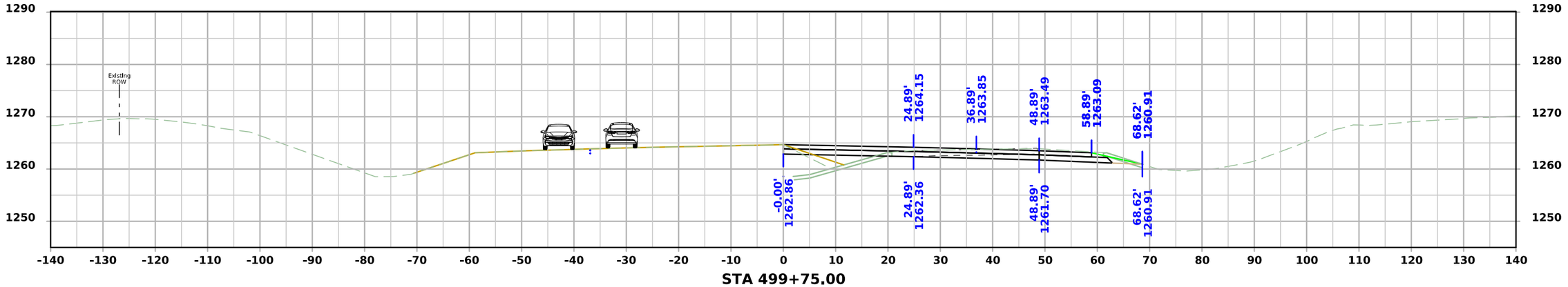
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3054

1:09:03 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_2_78059056Z06.dgn

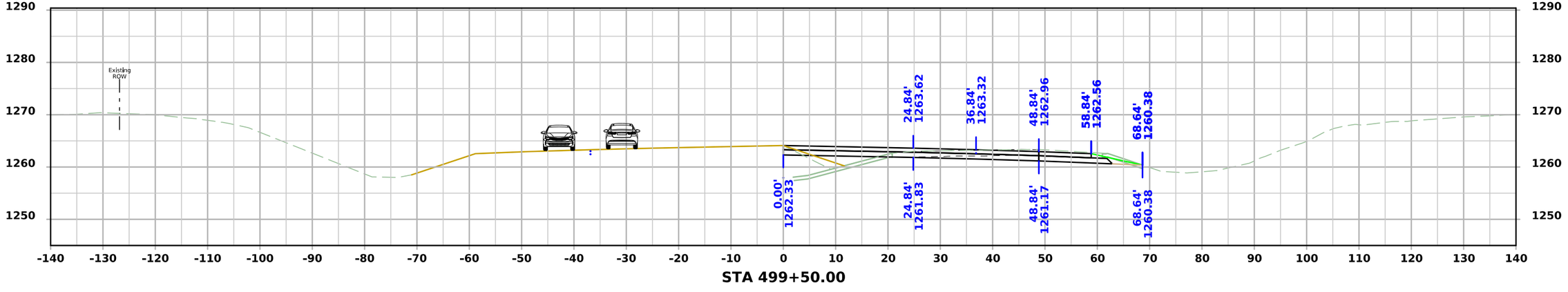
US 59 Stage 4



STA 500+00.00



STA 499+75.00

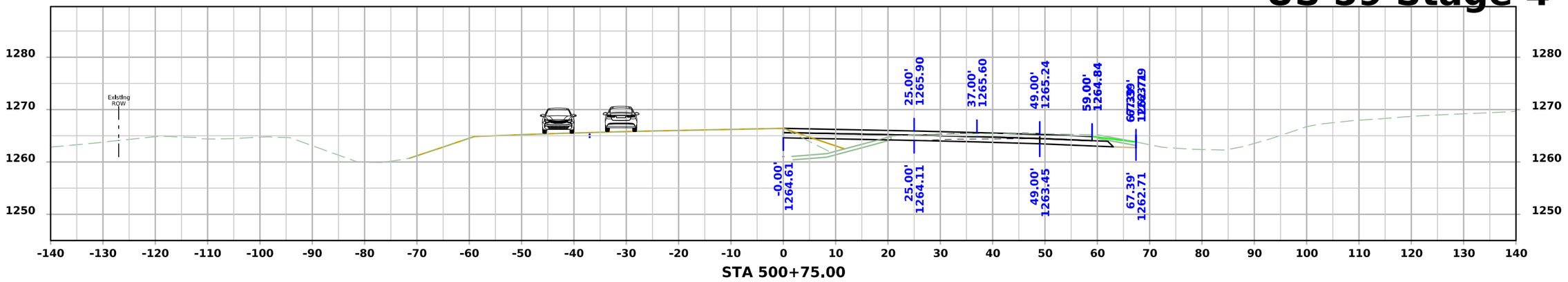


STA 499+50.00

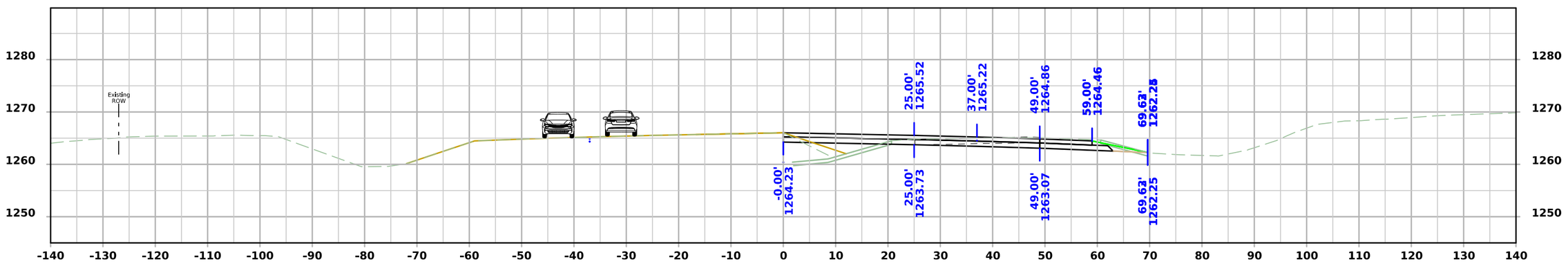
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3055

1:09:06 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_2_78059056Z06.dgn

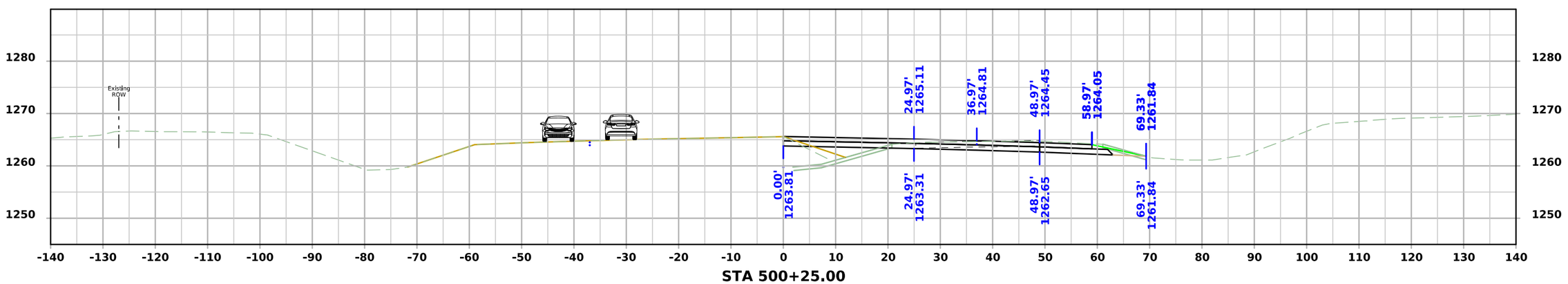
US 59 Stage 4



STA 500+75.00



STA 500+50.00

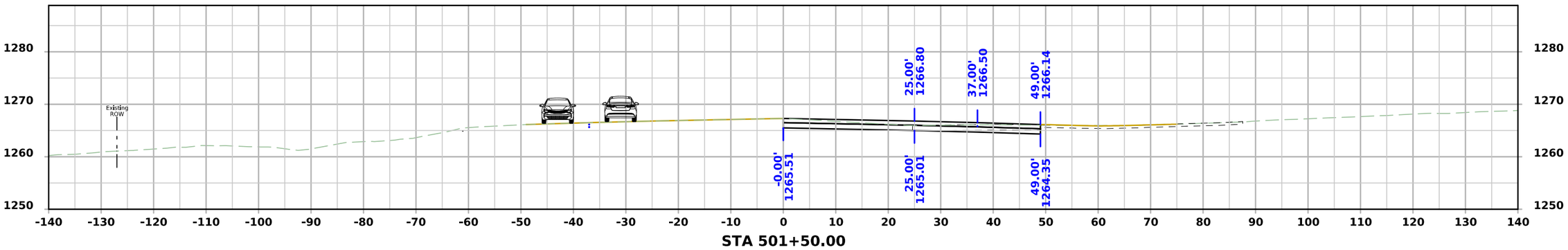


STA 500+25.00

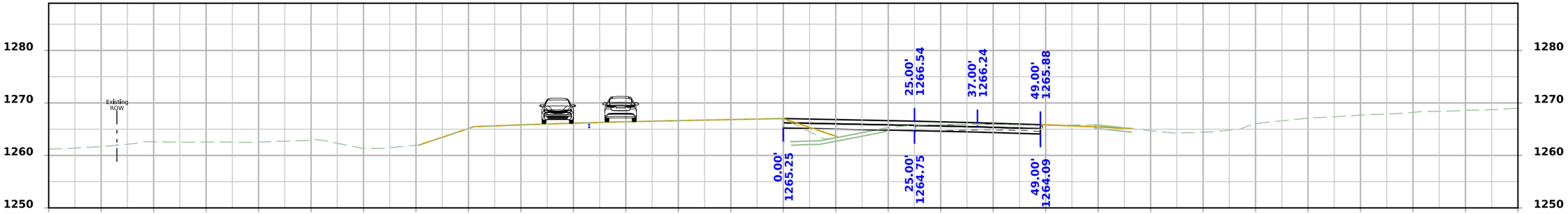
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3056

1:09:09 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_2_78059056Z06.dgn

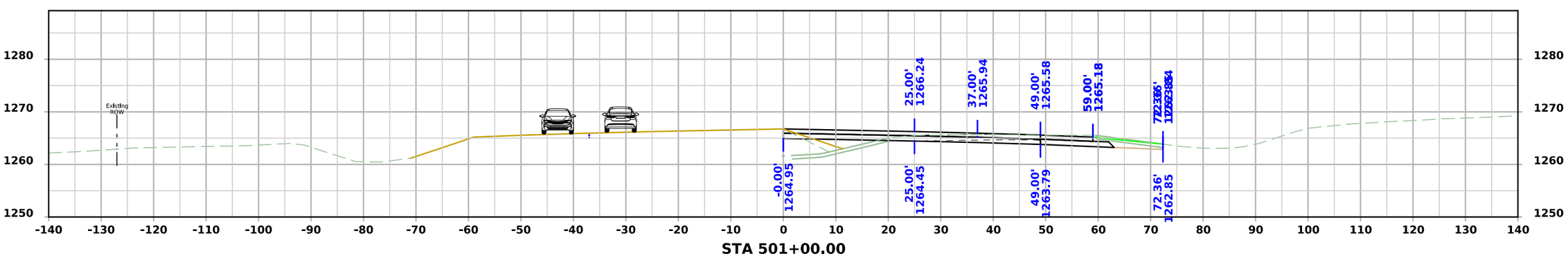
US 59 Stage 4



STA 501+50.00



STA 501+25.00

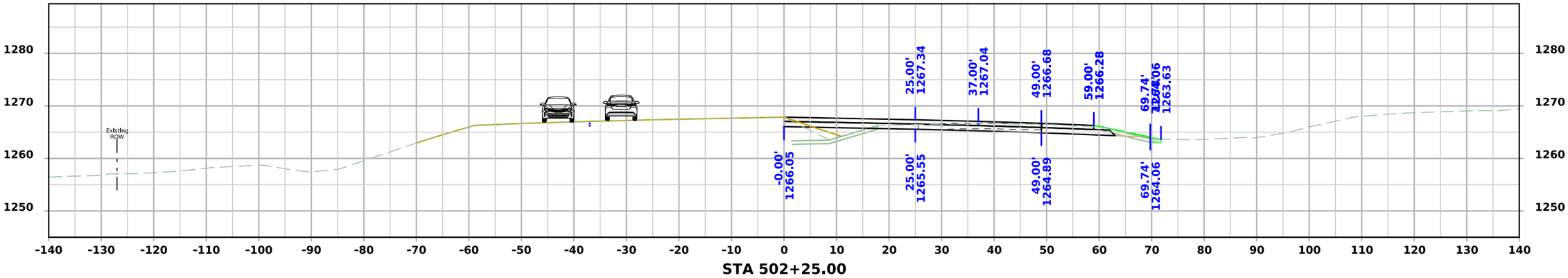


STA 501+00.00

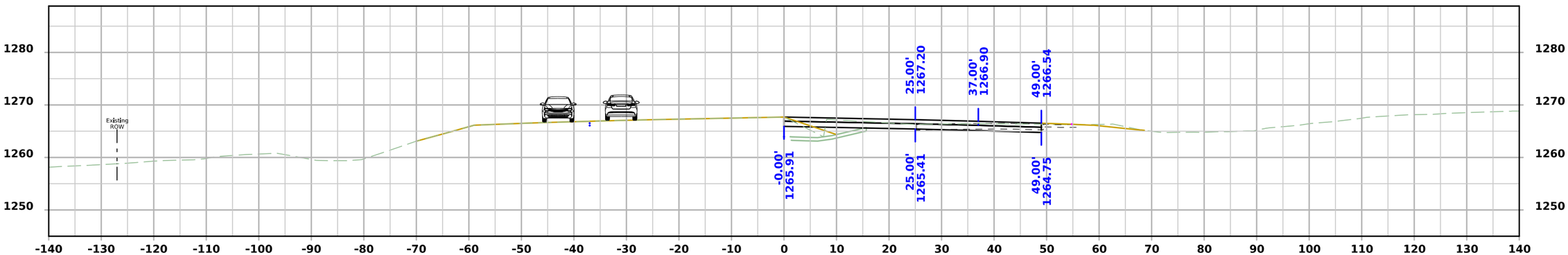
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3057

1:09:12 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_2_78059056Z06.dgn

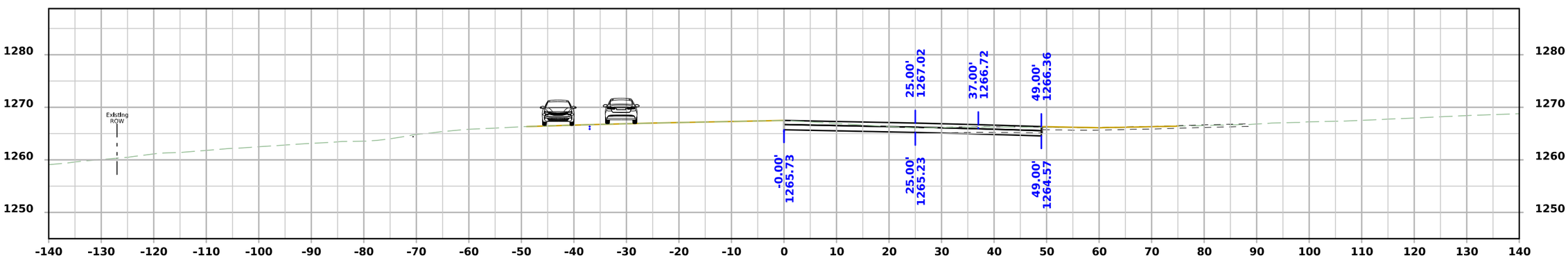
US 59 Stage 4



STA 502+25.00



STA 502+00.00

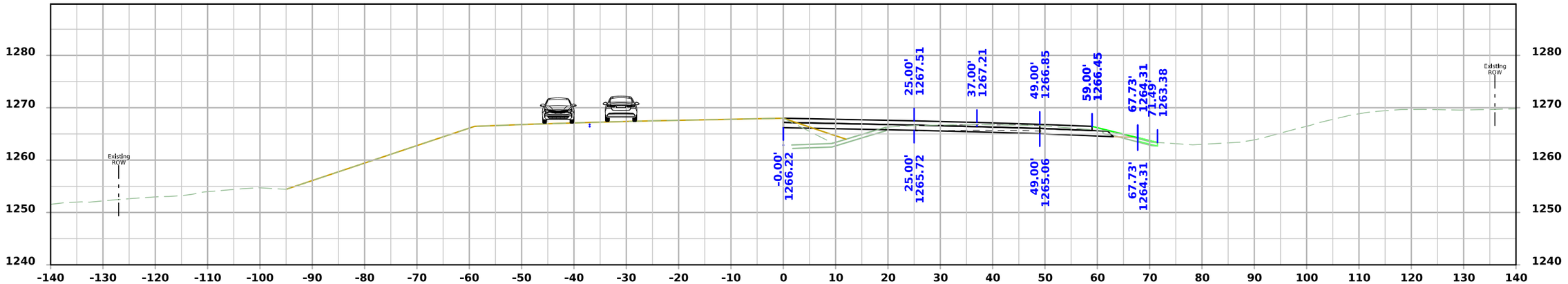


STA 501+75.00

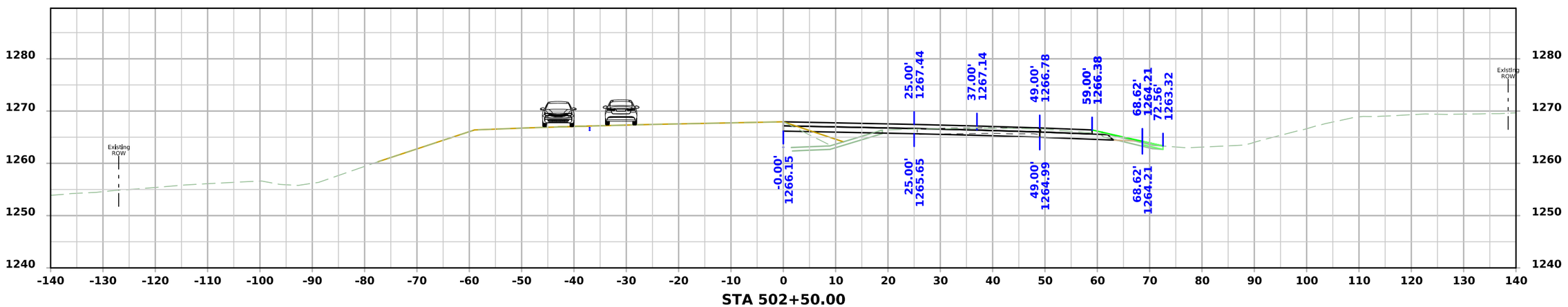
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3058

1:09:16 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_2_78059056Z06.dgn

US 59 Stage 4



STA 502+75.00

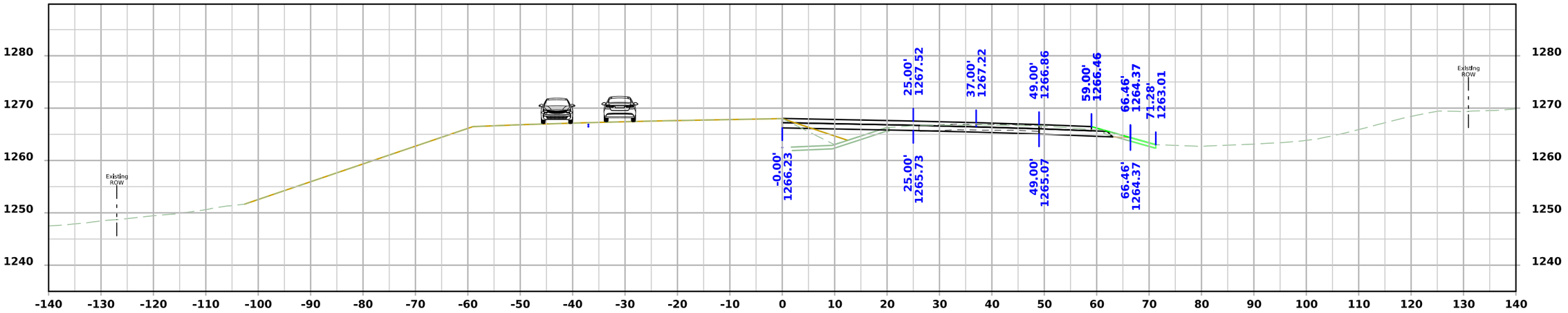


STA 502+50.00

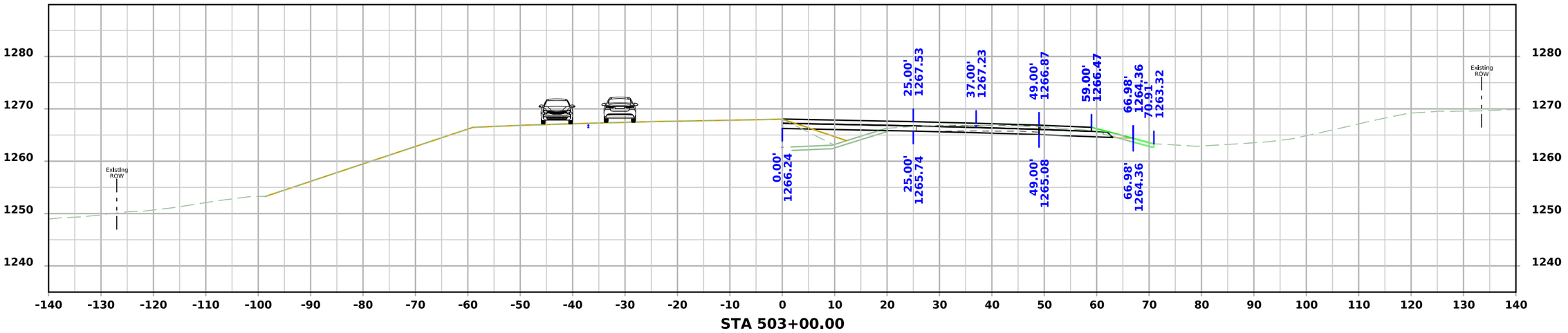
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3059

1:09:18 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_2_78059056Z06.dgn

US 59 Stage 4



STA 503+25.00

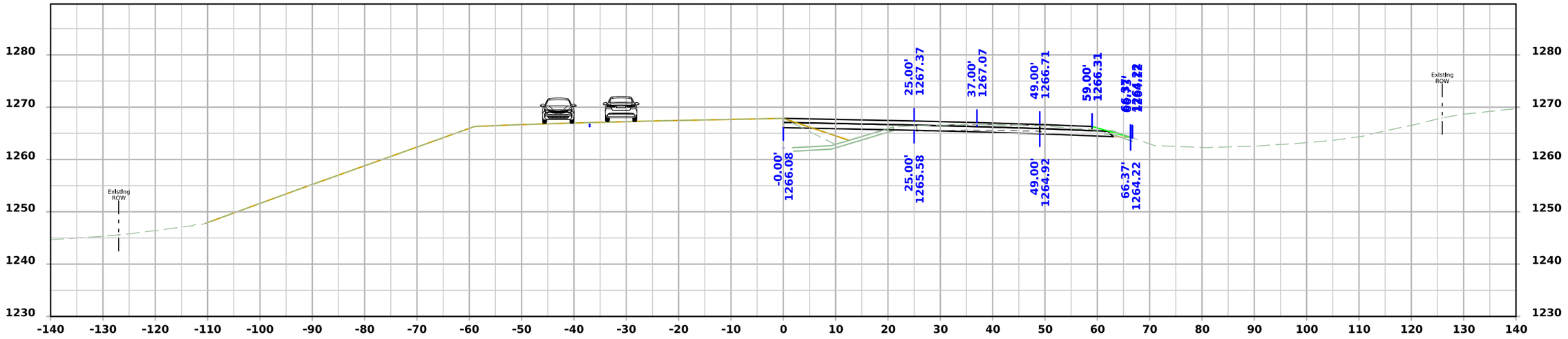


STA 503+00.00

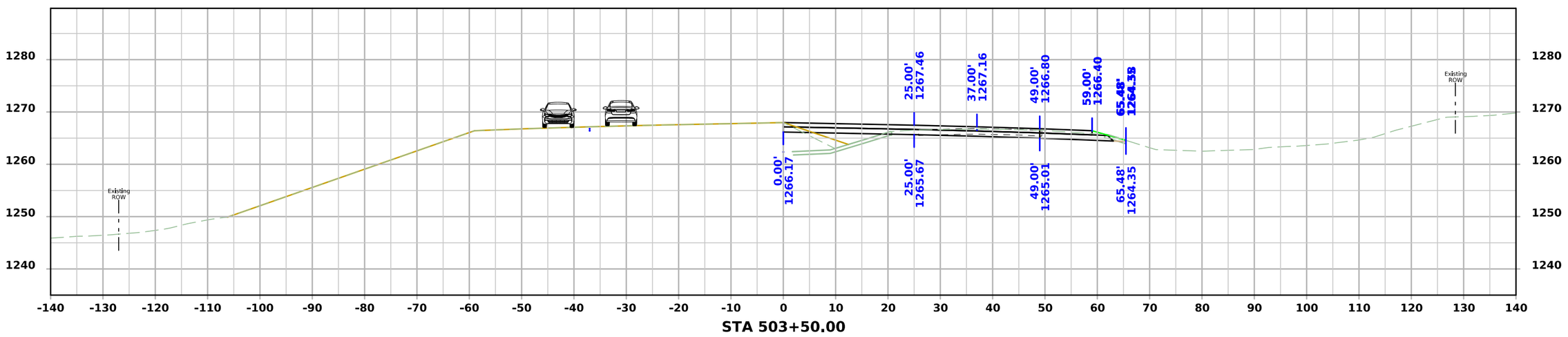
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3060

1:09:21 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_2_78059056Z06.dgn

US 59 Stage 4



STA 503+75.00

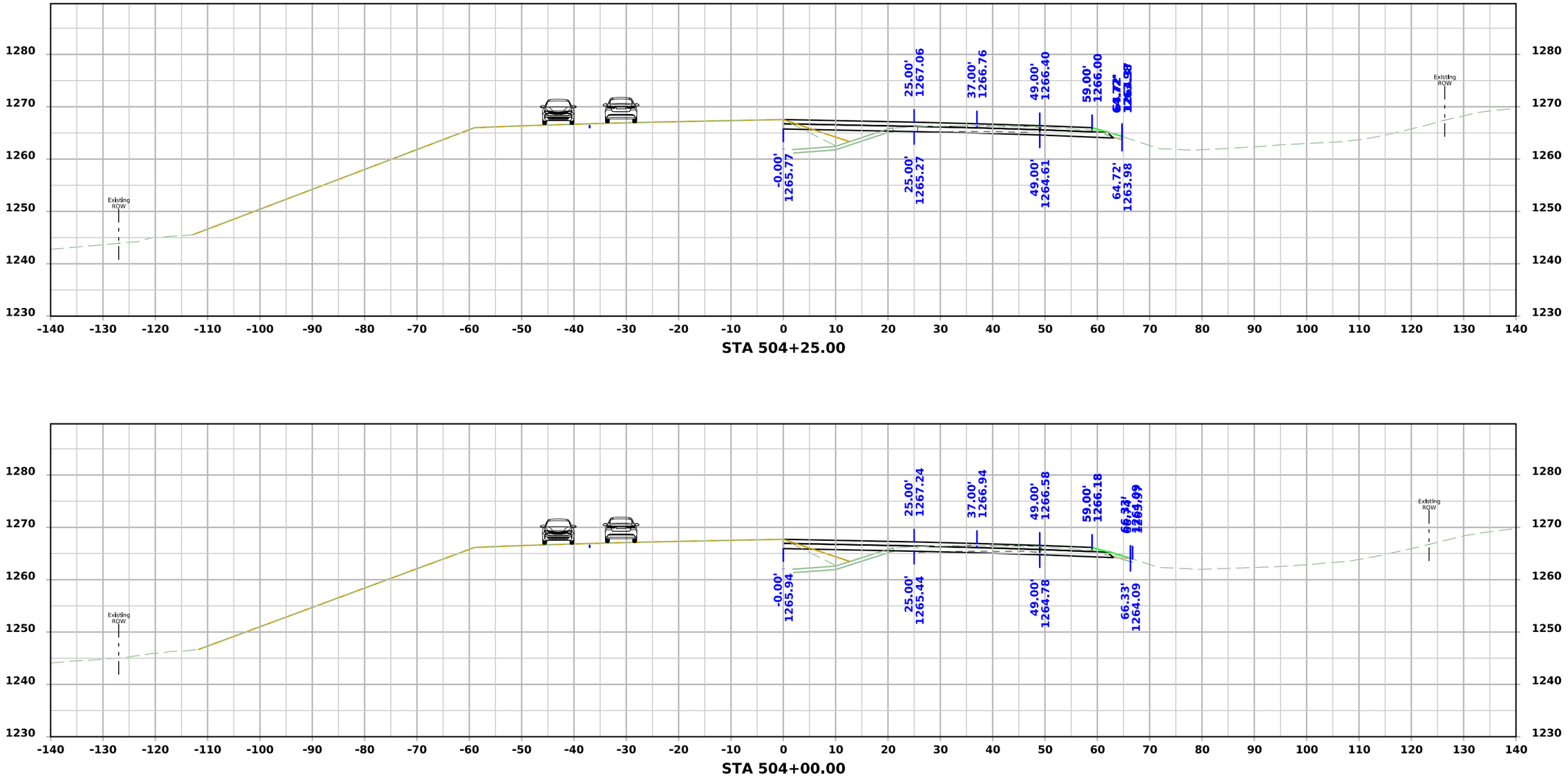


STA 503+50.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3061

1:09:23 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_2_78059056Z06.dgn

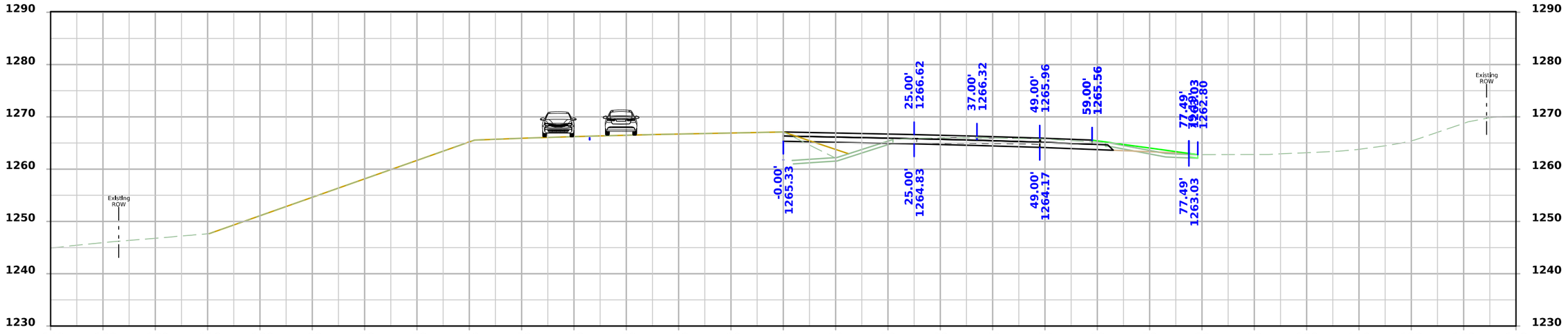
US 59 Stage 4



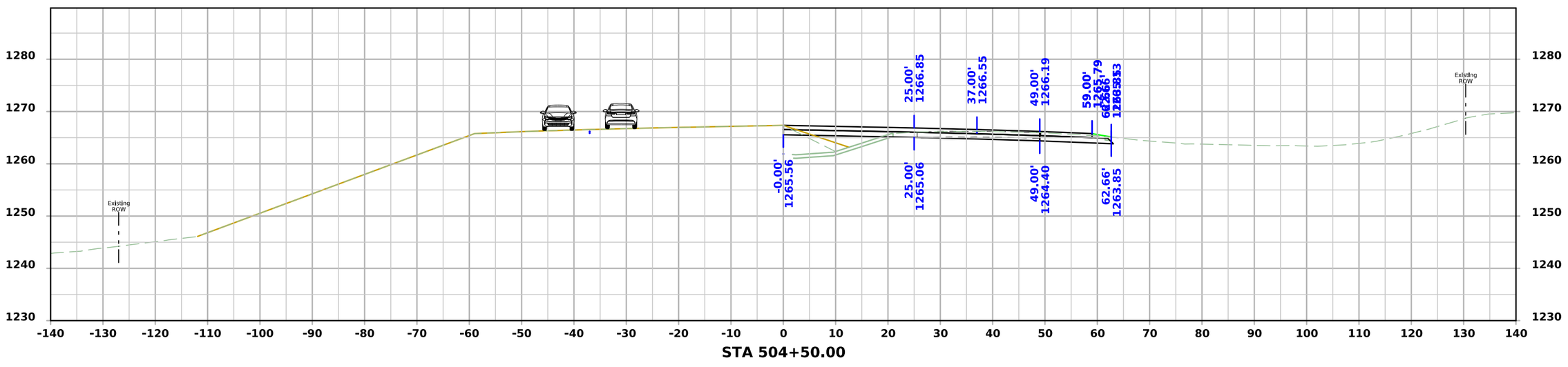
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3062

1:09:26 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_2_78059056Z06.dgn

US 59 Stage 4



STA 504+75.00

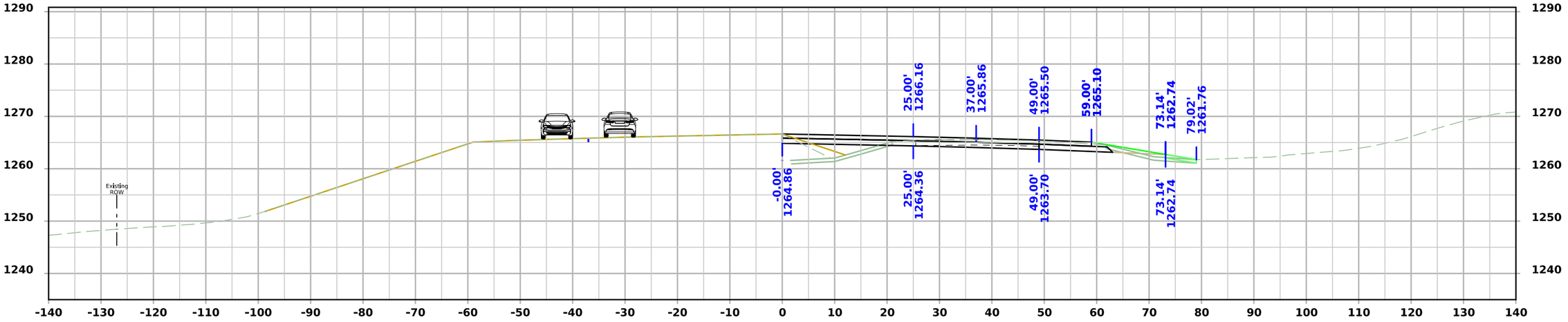


STA 504+50.00

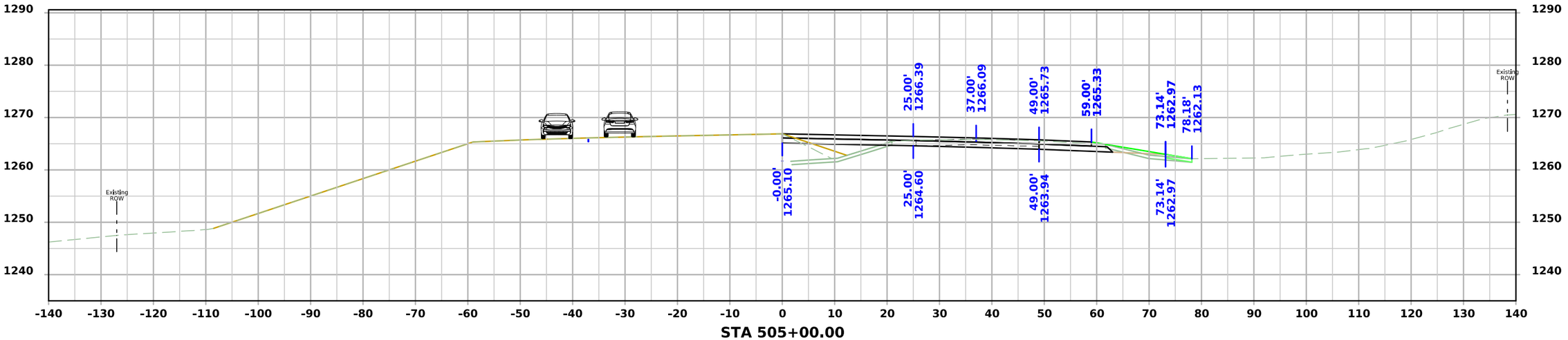
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3063

1:09:28 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_2_78059056Z06.dgn

US 59 Stage 4



STA 505+25.00

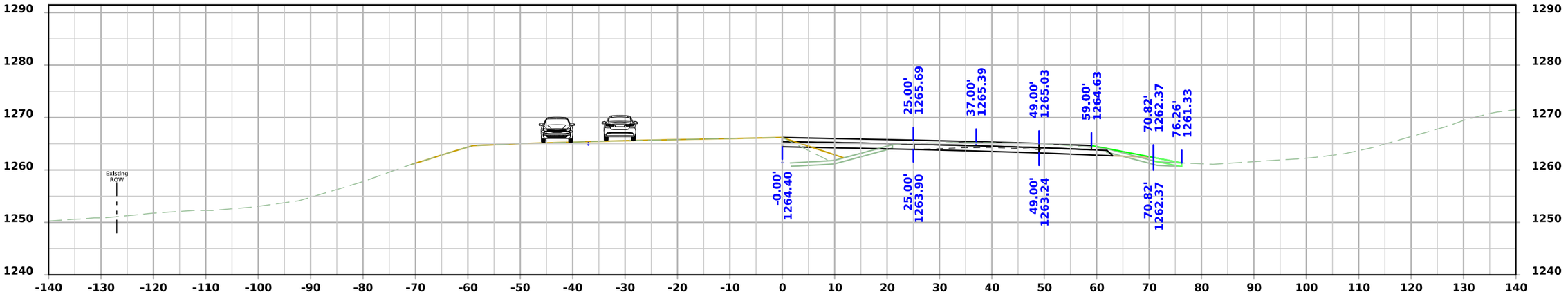


STA 505+00.00

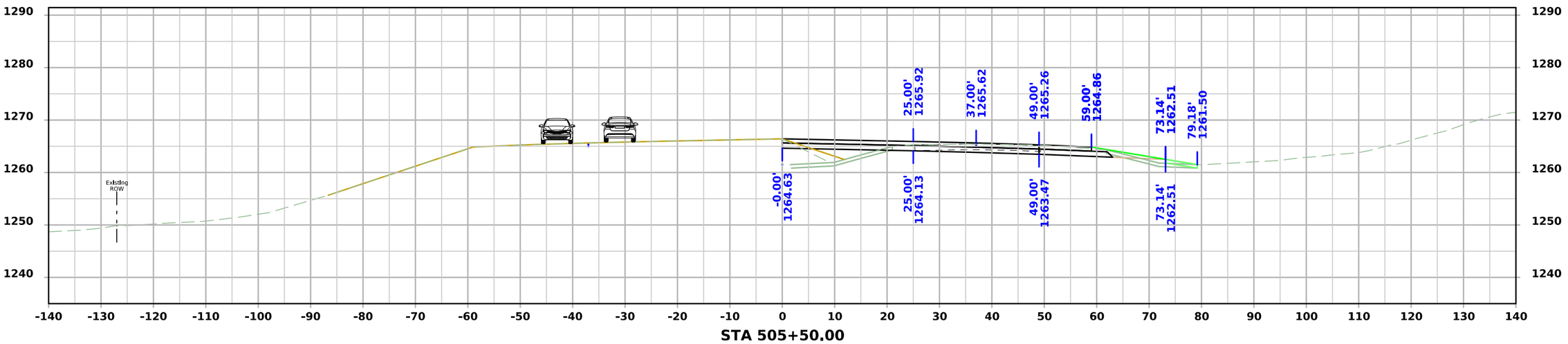
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3064

1:09:31 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_2_78059056Z06.dgn

US 59 Stage 4



STA 505+75.00

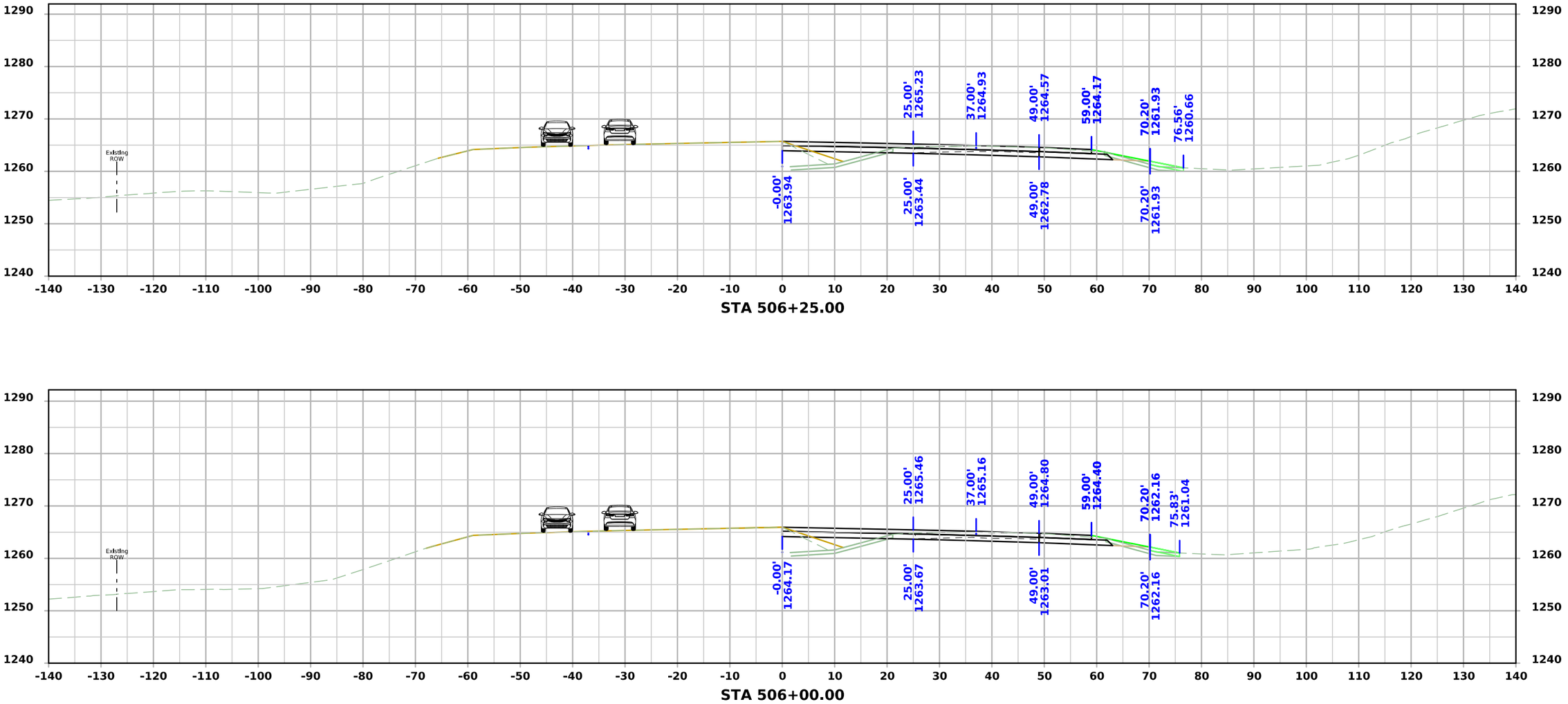


STA 505+50.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3065

1:09:34 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_2_78059056Z06.dgn

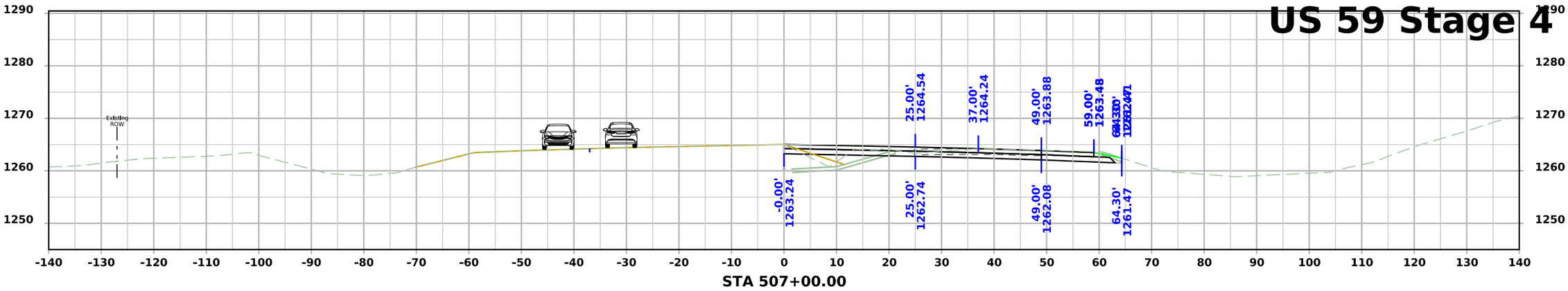
US 59 Stage 4



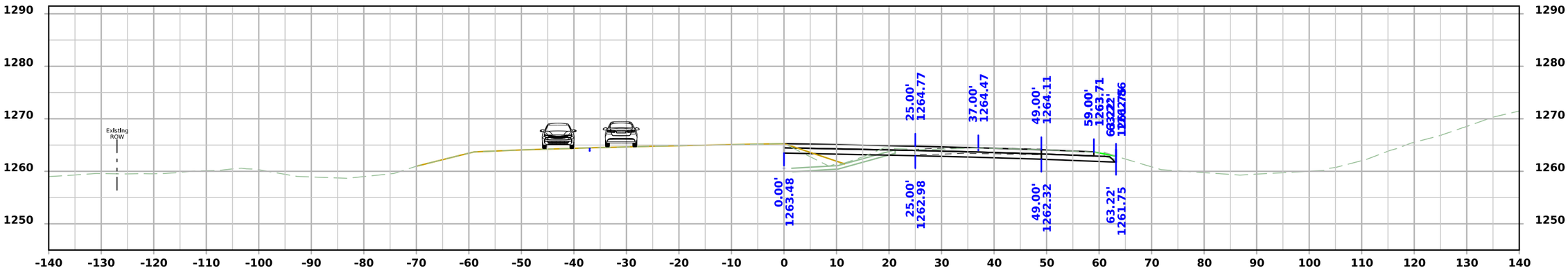
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3066

1:09:36 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_2_78059056Z06.dgn

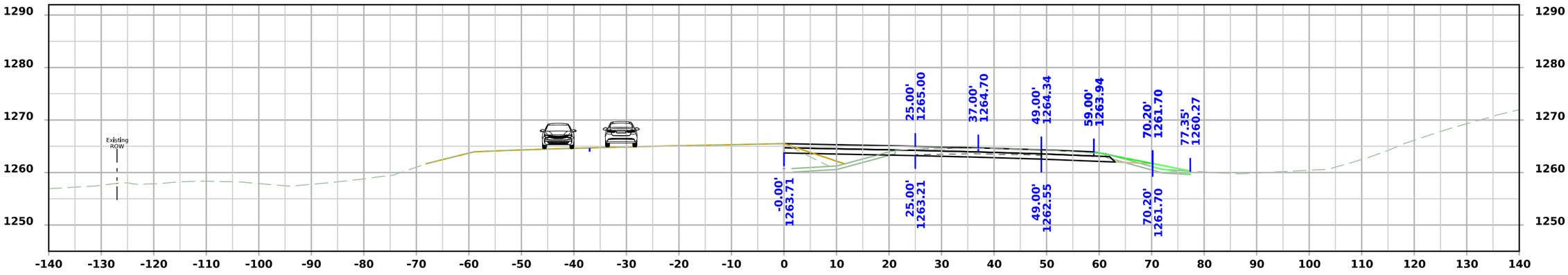
US 59 Stage 4



STA 507+00.00



STA 506+75.00

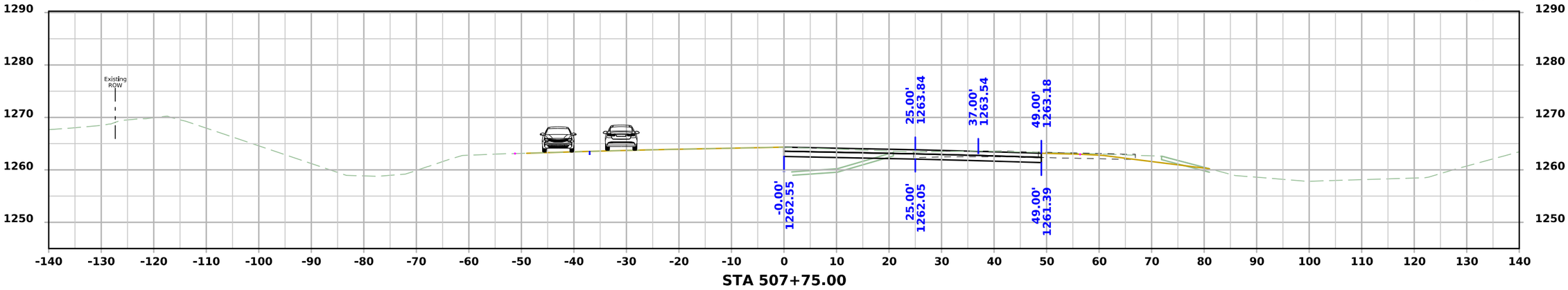


STA 506+50.00

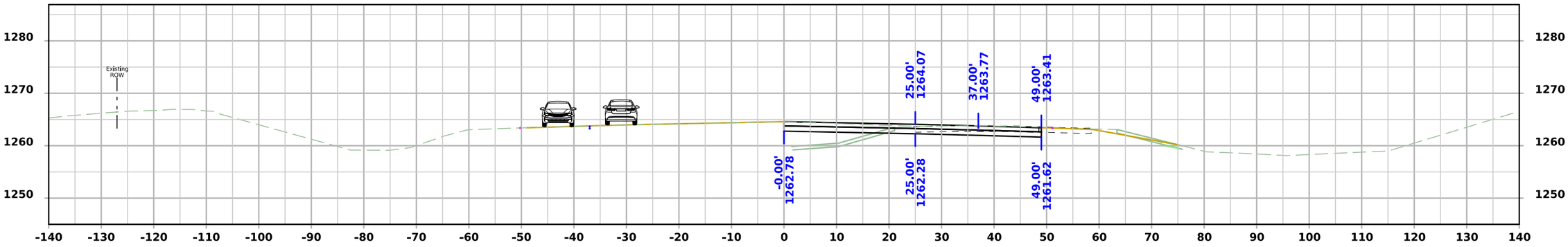
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3067

1:09:40 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_2_78059056Z06.dgn

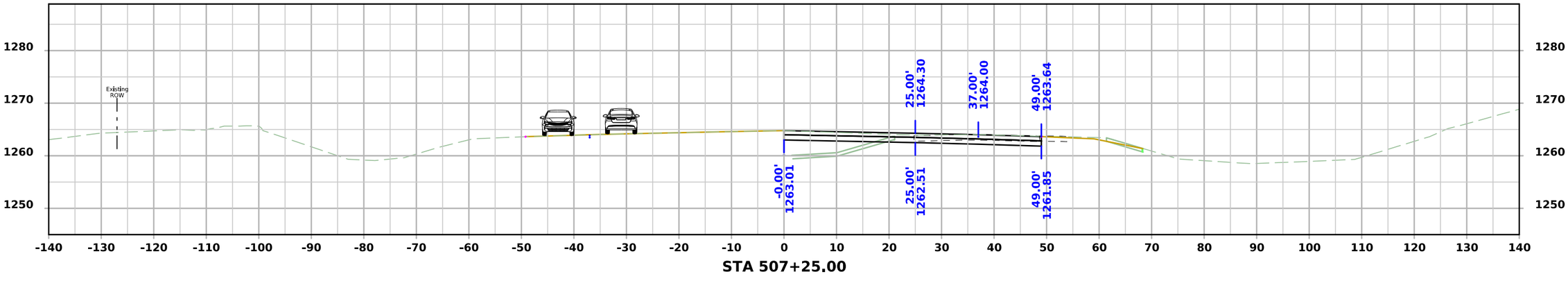
US 59 Stage 4



STA 507+75.00



STA 507+50.00

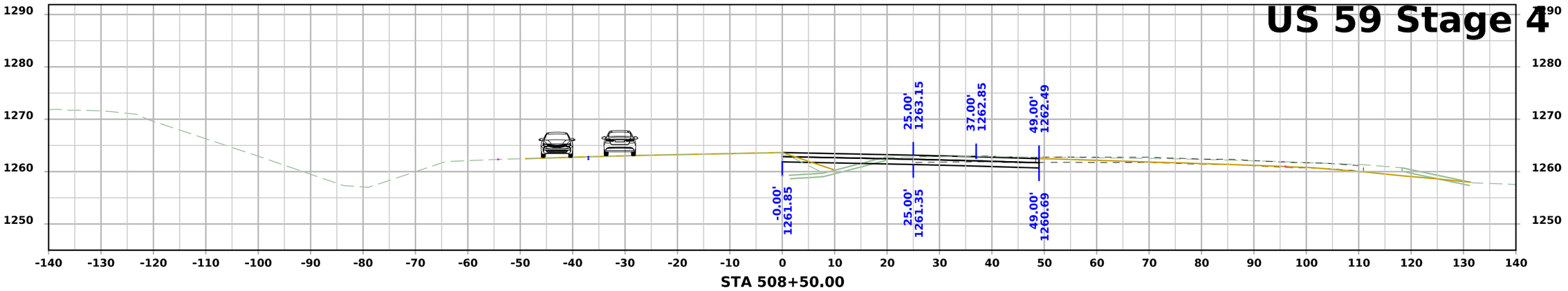


STA 507+25.00

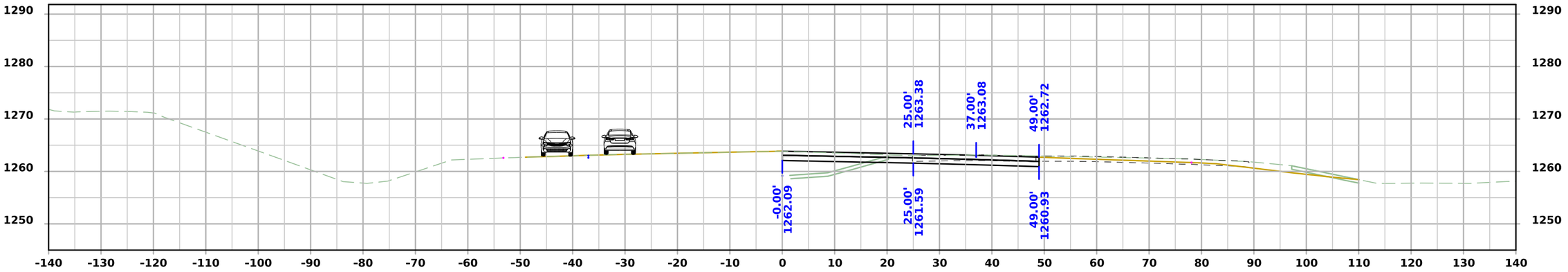
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3068

1:09:43 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_2_78059056Z06.dgn

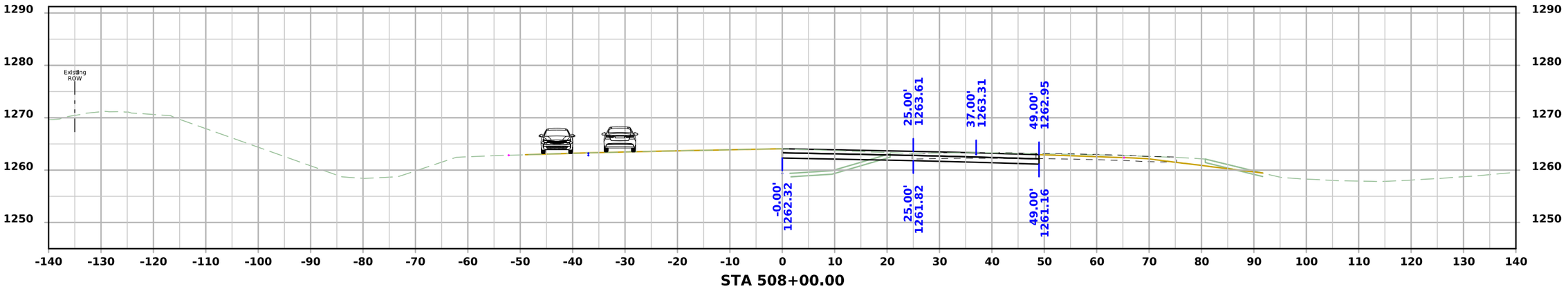
US 59 Stage 4



STA 508+50.00



STA 508+25.00

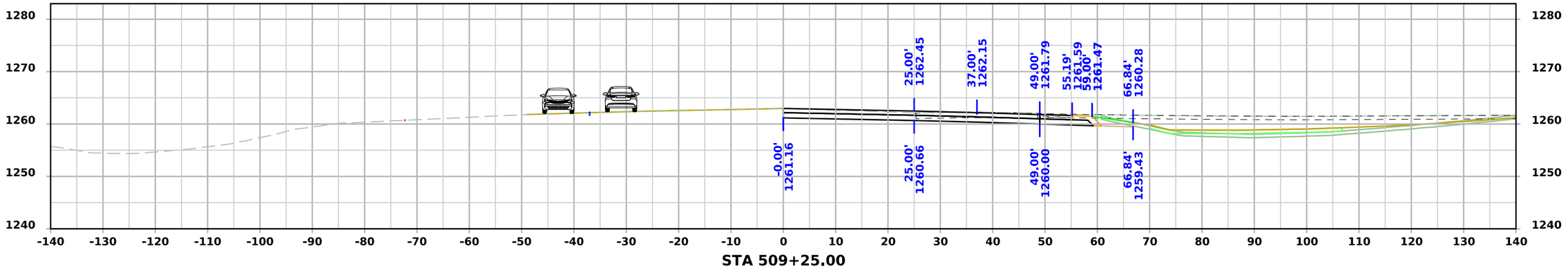


STA 508+00.00

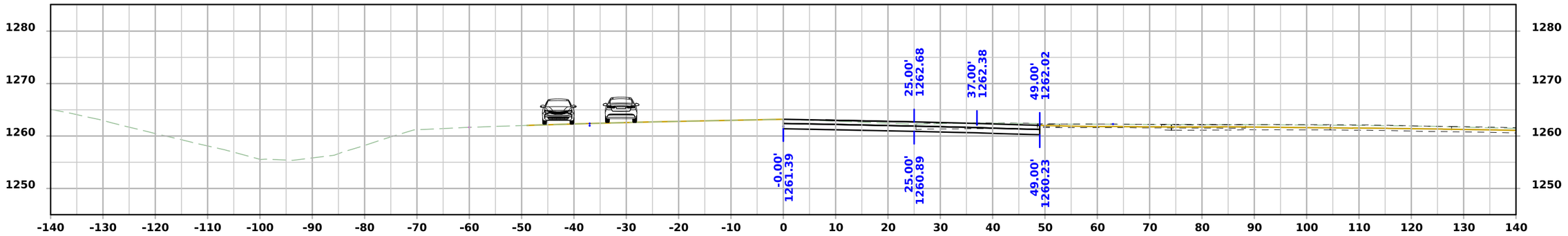
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3069

1:09:46 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_2_78059056Z06.dgn

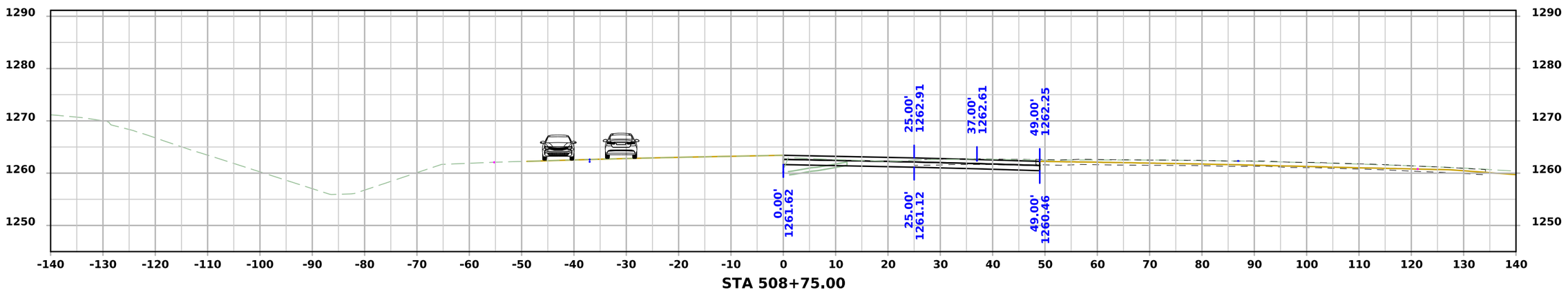
US 59 Stage 4



STA 509+25.00



STA 509+00.00

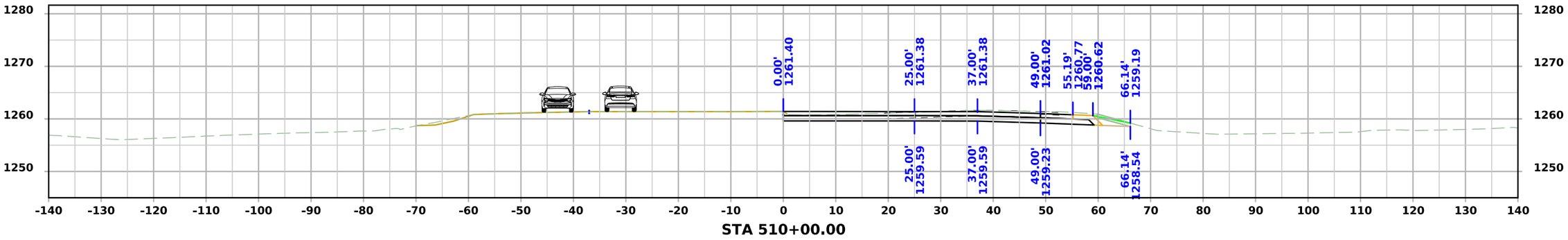


STA 508+75.00

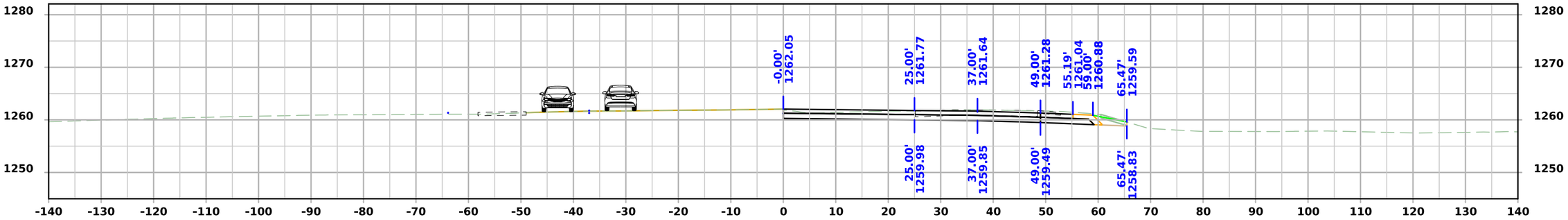
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3070

1:09:49 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_2_78059056Z06.dgn

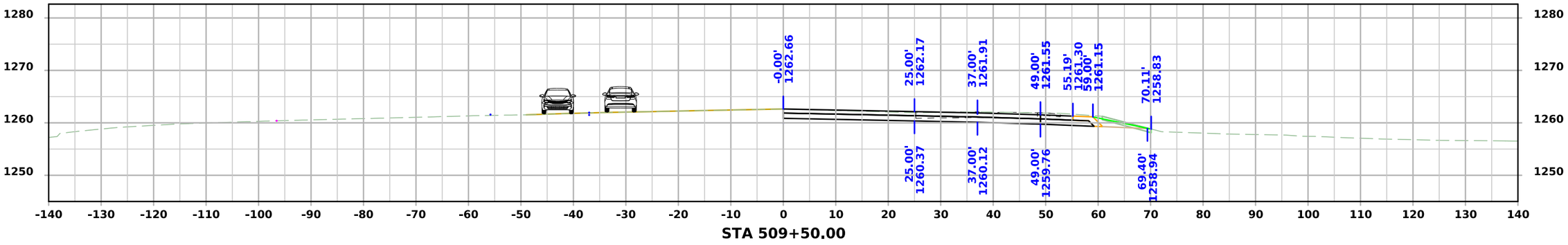
US 59 Stage 4



STA 510+00.00



STA 509+75.00

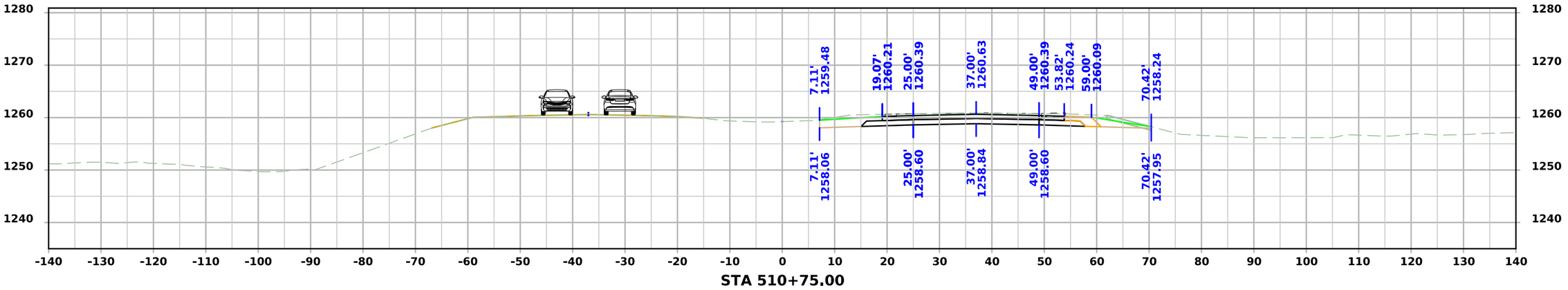


STA 509+50.00

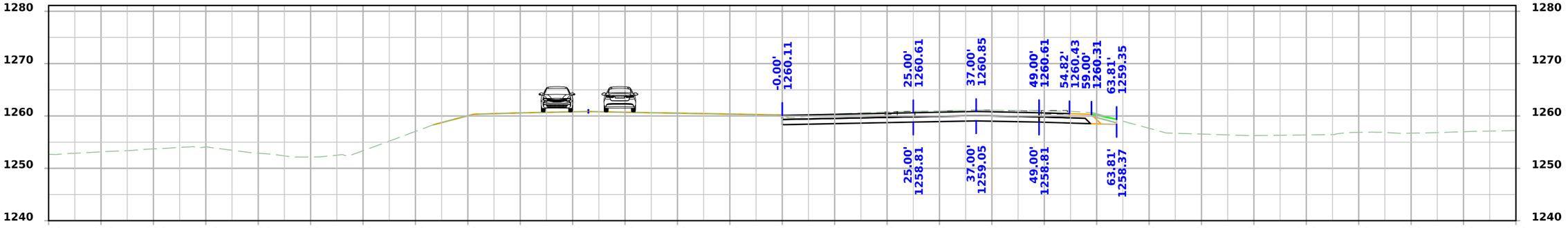
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3071

1:09:53 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_2_78059056Z06.dgn

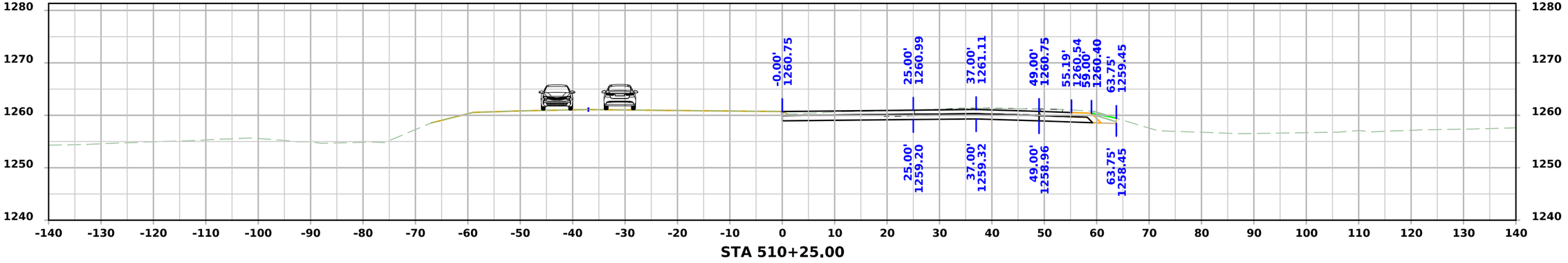
US 59 Stage 4



STA 510+75.00



STA 510+50.00

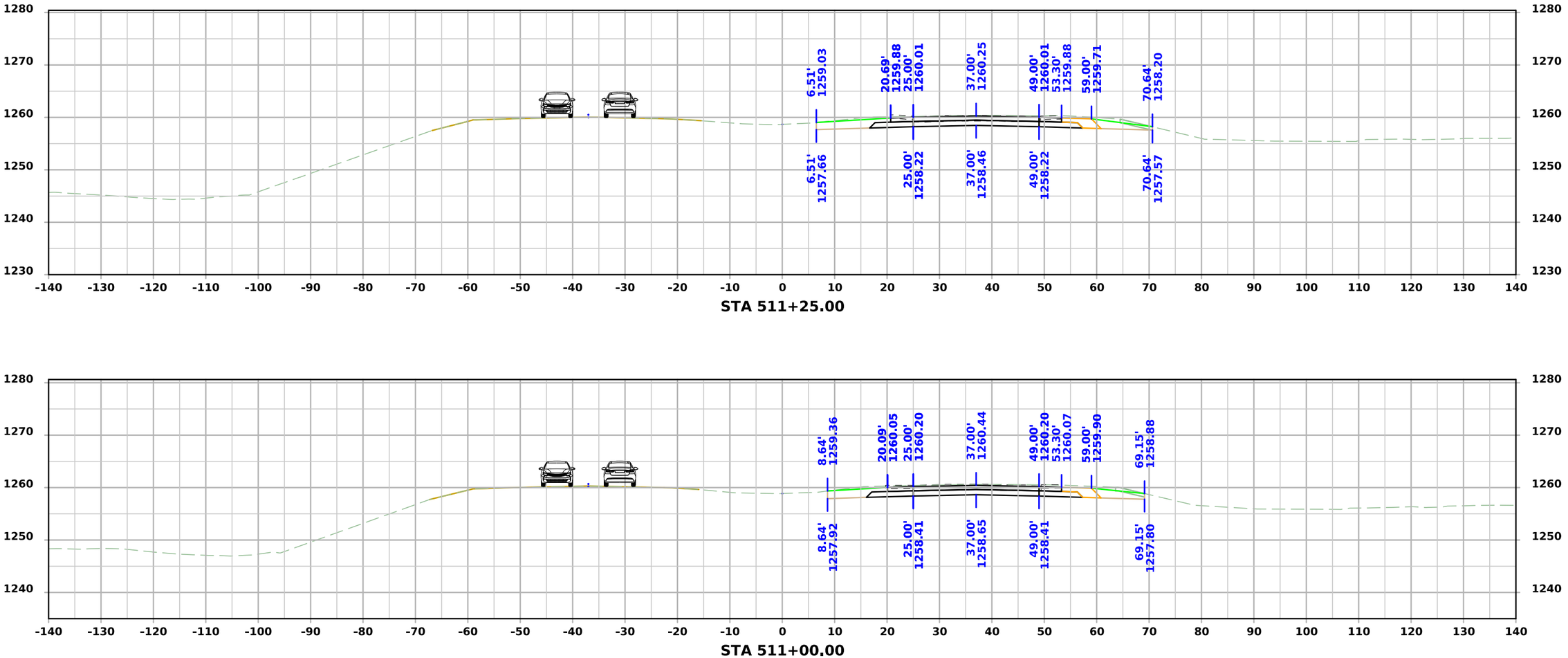


STA 510+25.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3072

1:09:56 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_2_78059056Z06.dgn

US 59 Stage 4



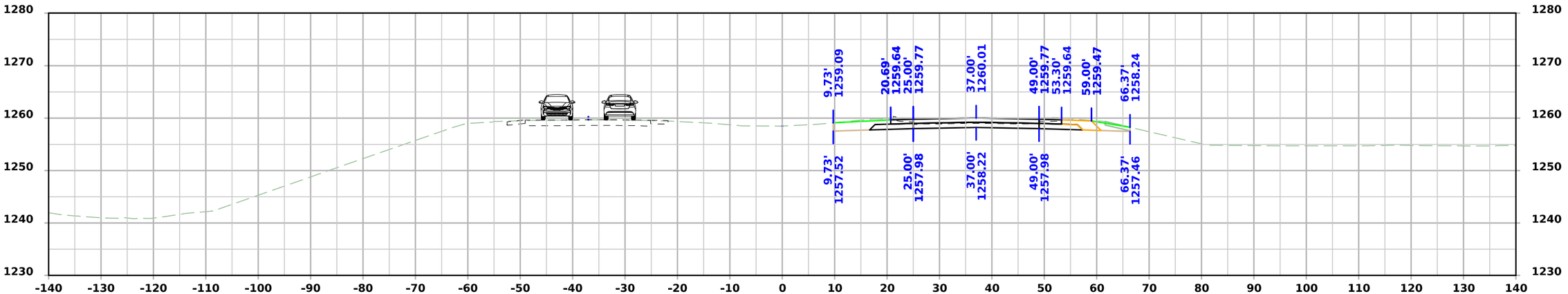
STA 511+25.00

STA 511+00.00

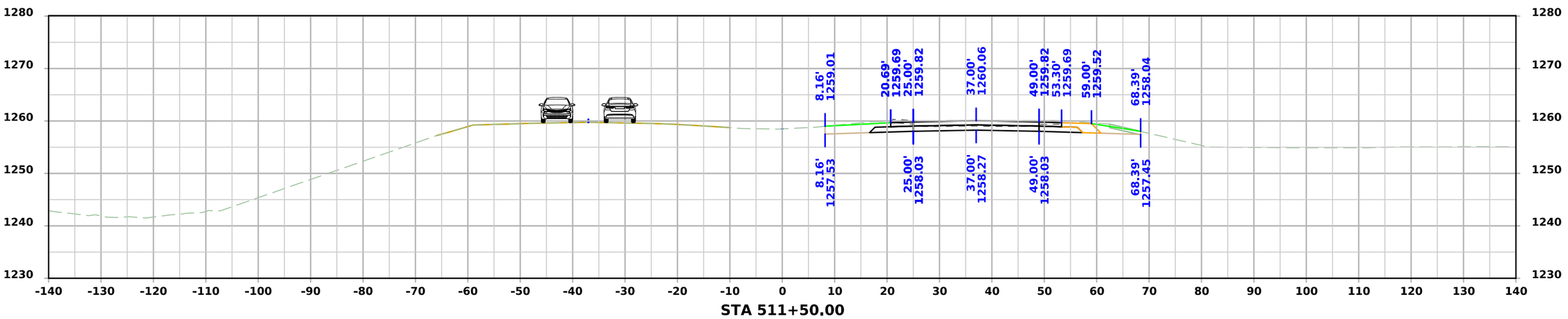
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3073

1:09:59 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_2_78059056Z06.dgn

US 59 Stage 4



STA 511+57.16

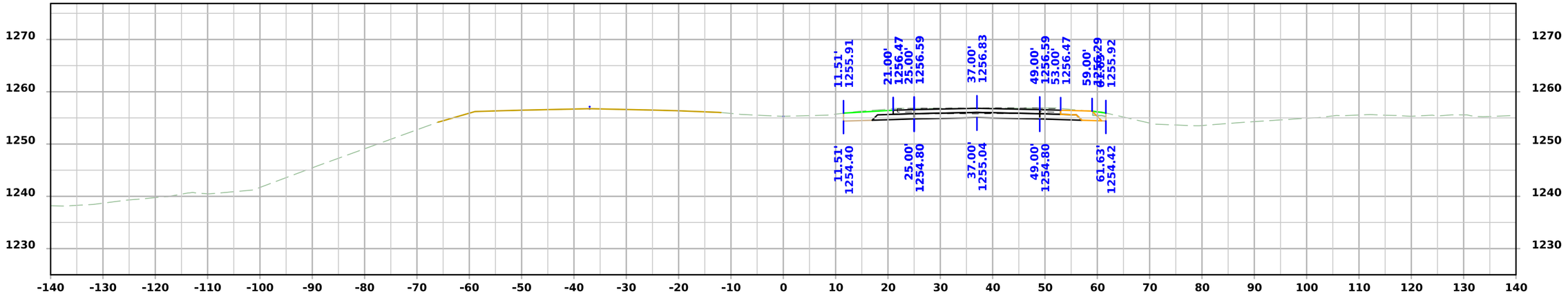


STA 511+50.00

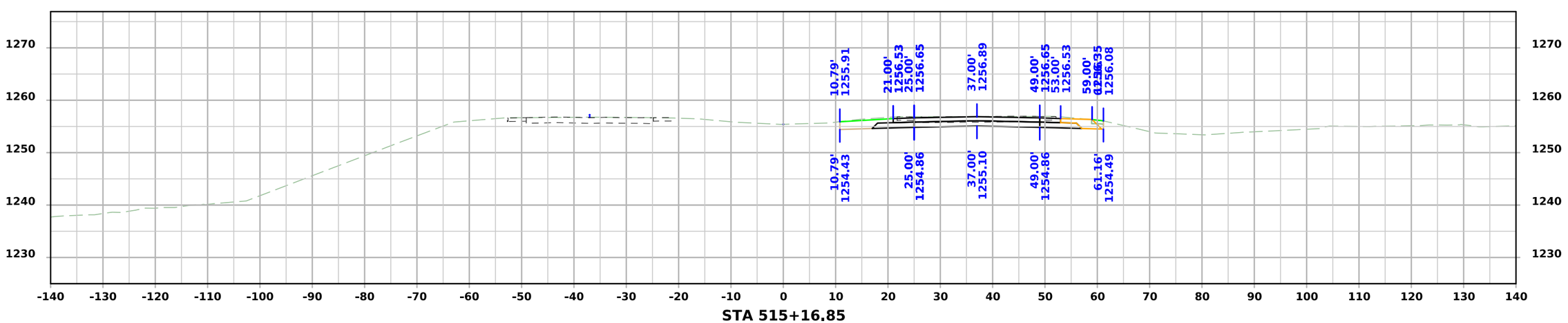
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3074

1:10:01 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000S_2_78059056Z06.dgn

US 59 Stage 4



STA 515+25.00

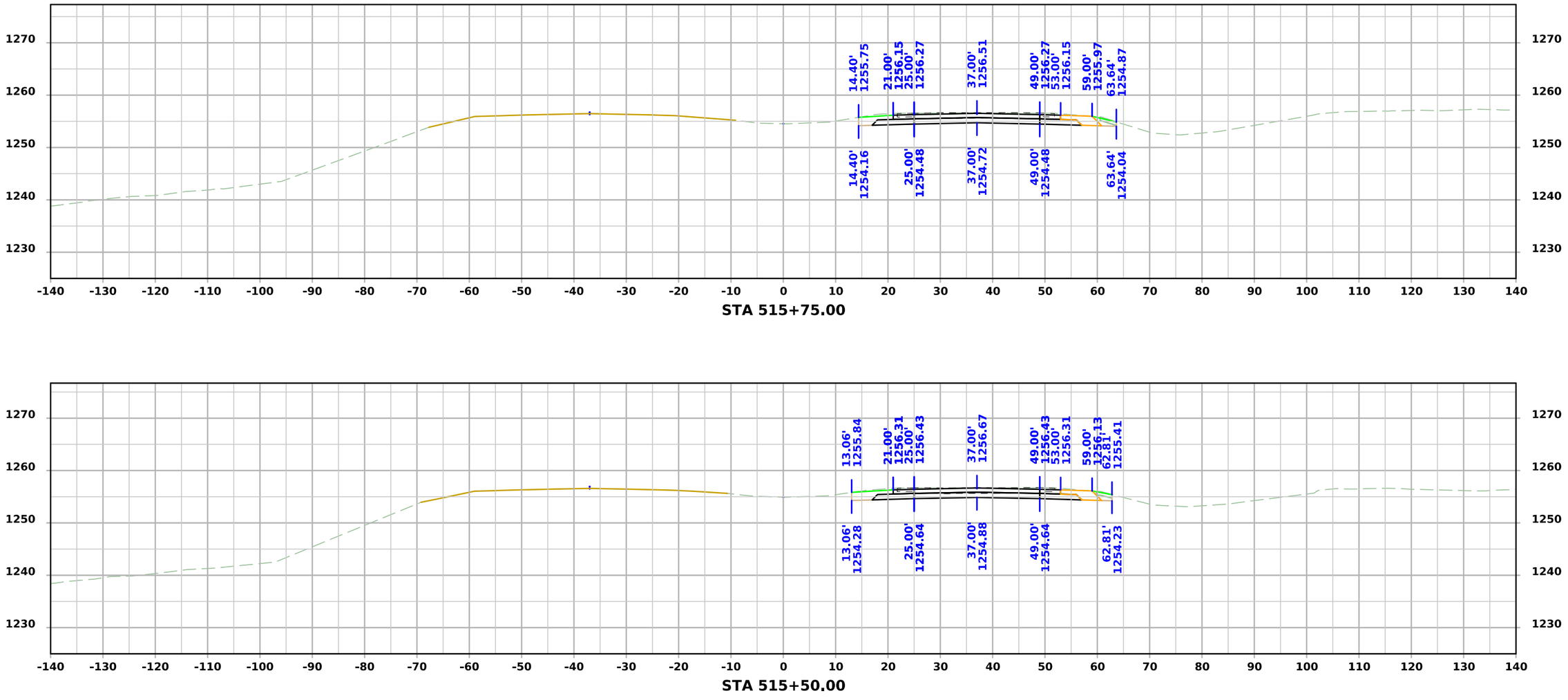


STA 515+16.85

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3075

1:24:35 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_1_78059056Z06.dgn

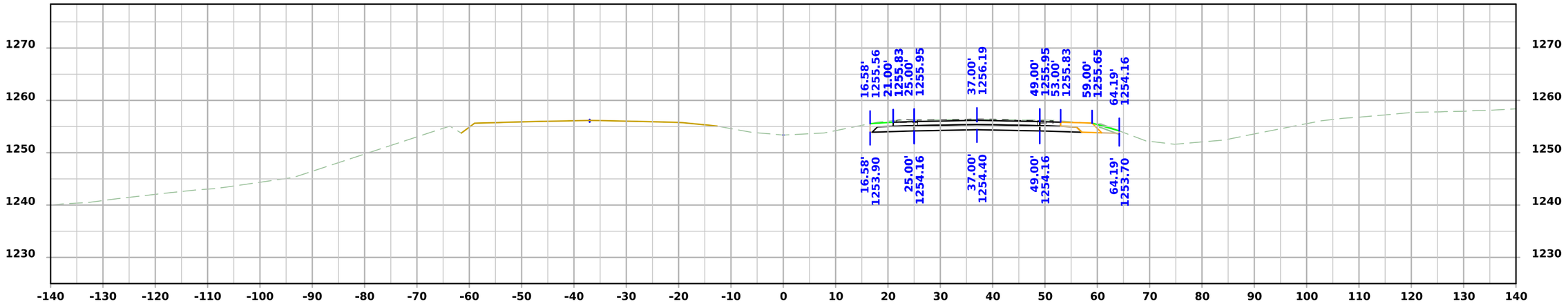
US 59 Stage 4



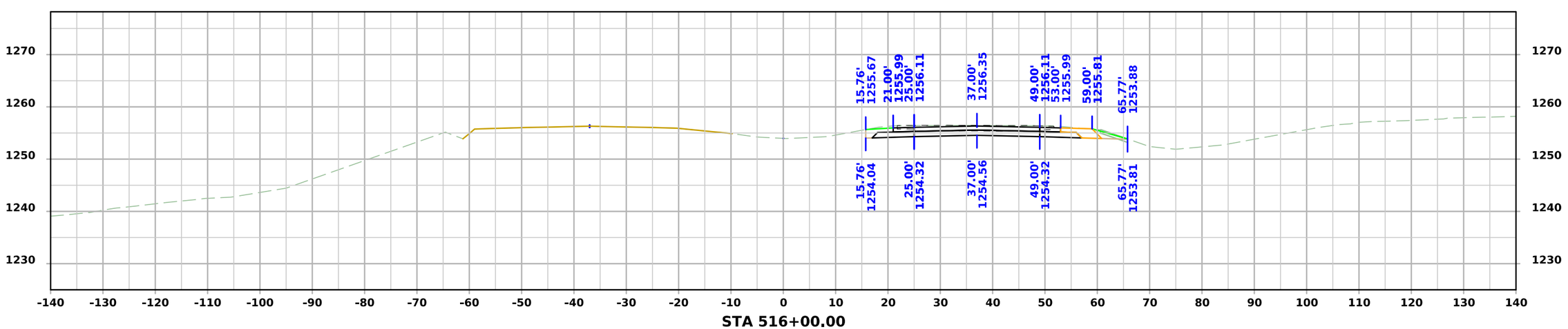
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3076

1:24:38 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_1_78059056Z06.dgn

US 59 Stage 4



STA 516+25.00

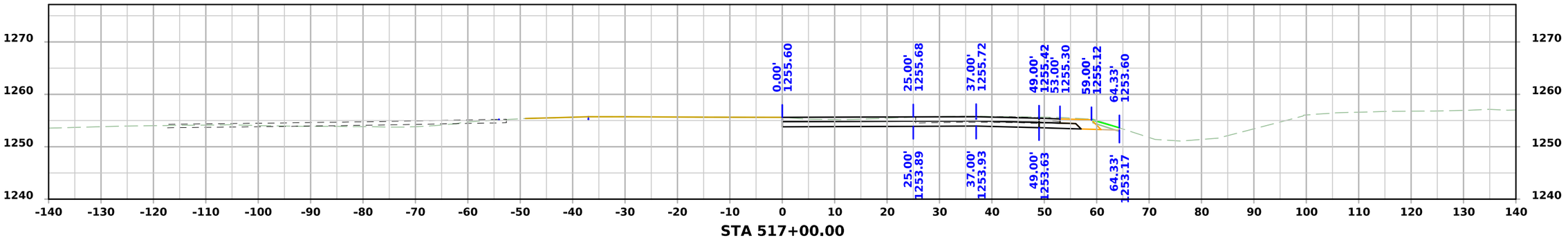


STA 516+00.00

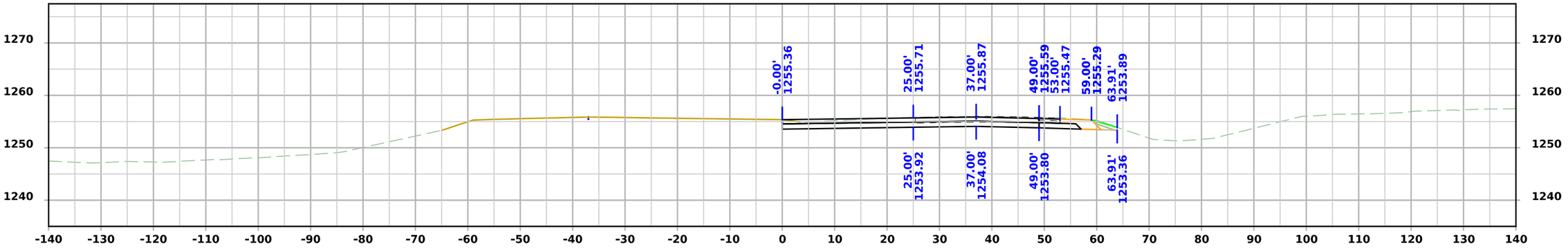
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3077

1:24:40 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_1_78059056Z06.dgn

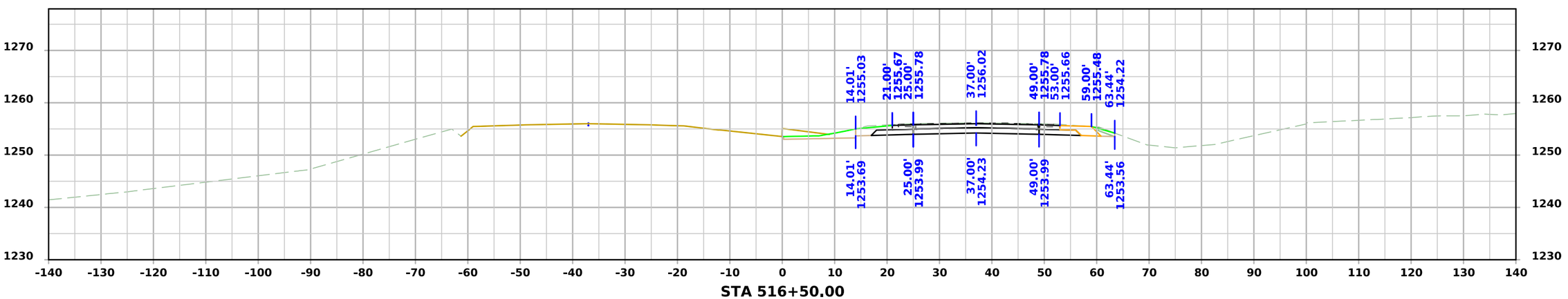
US 59 Stage 4



STA 517+00.00



STA 516+75.00

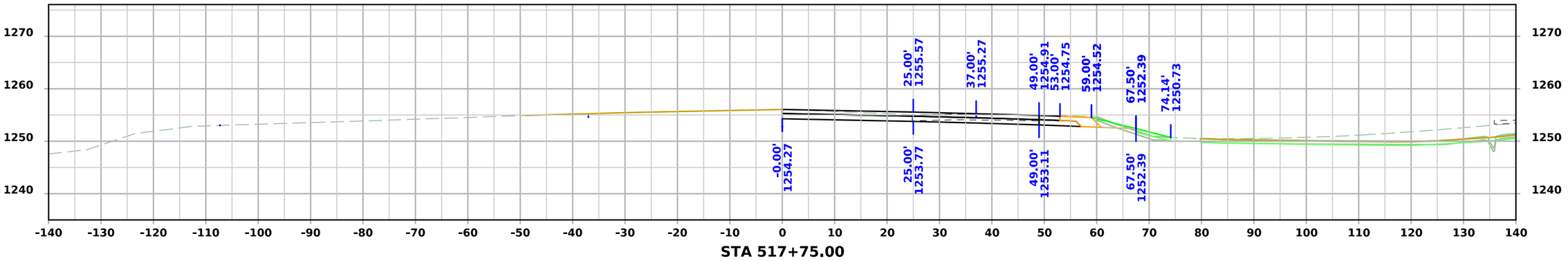


STA 516+50.00

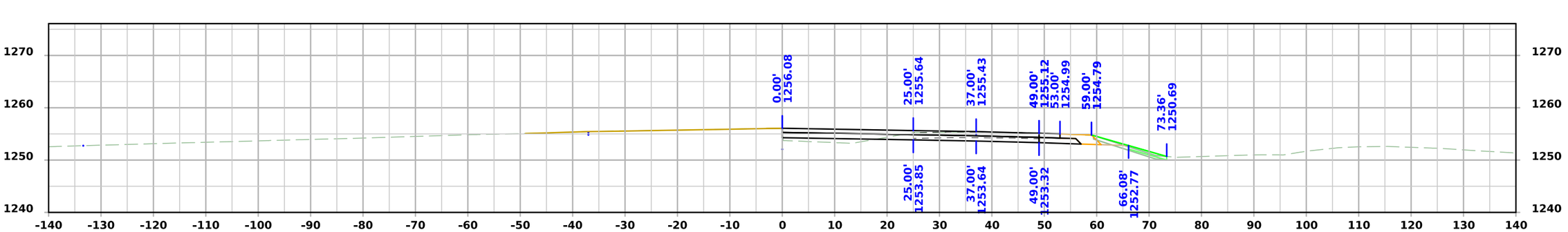
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3078

1:24:43 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_1_78059056Z06.dgn

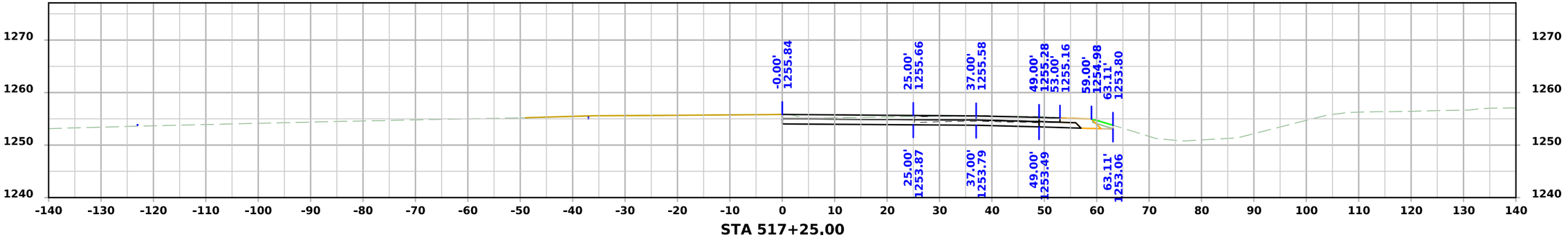
US 59 Stage 4



STA 517+75.00



STA 517+50.00

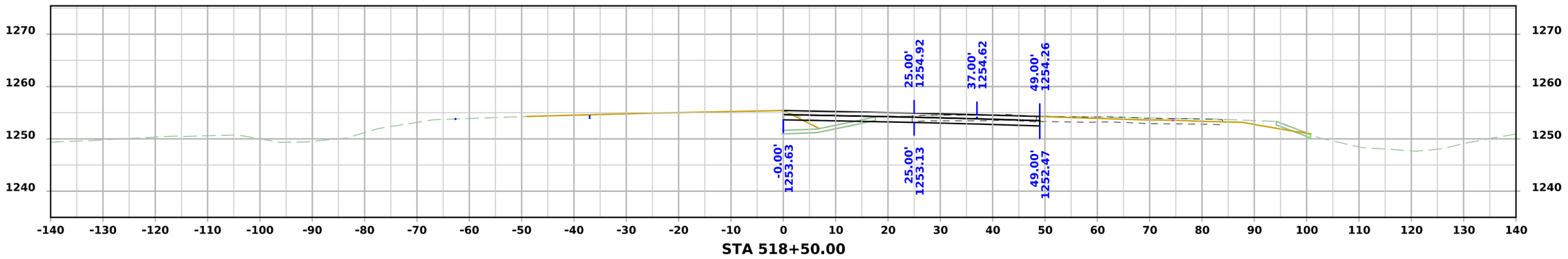


STA 517+25.00

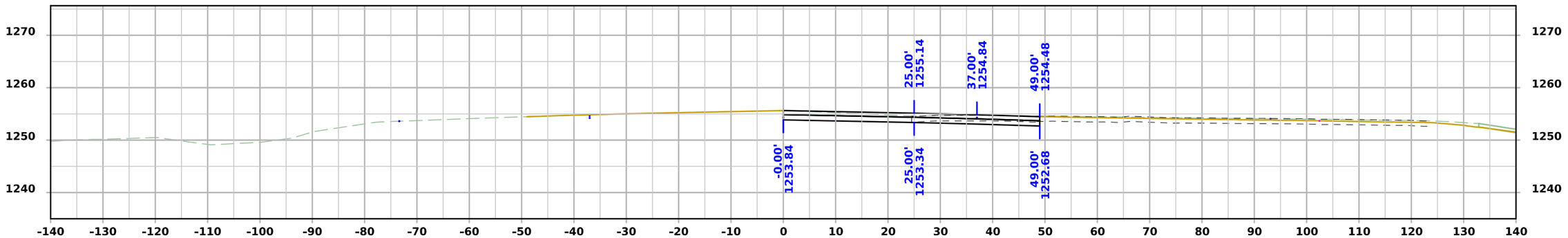
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3079

1:24:46 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_1_78059056Z06.dgn

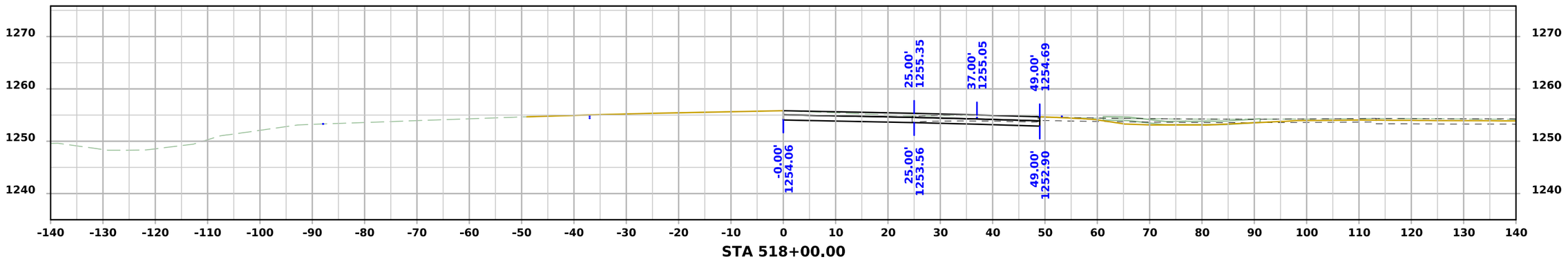
US 59 Stage 4



STA 518+50.00



STA 518+25.00

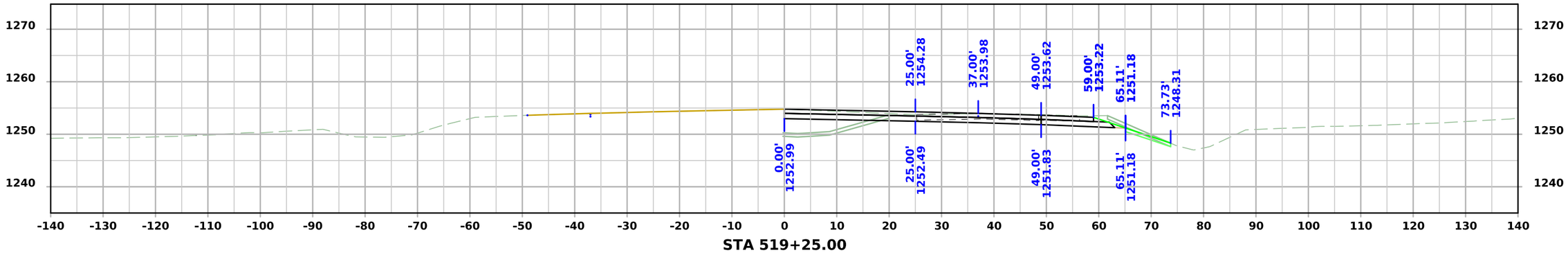


STA 518+00.00

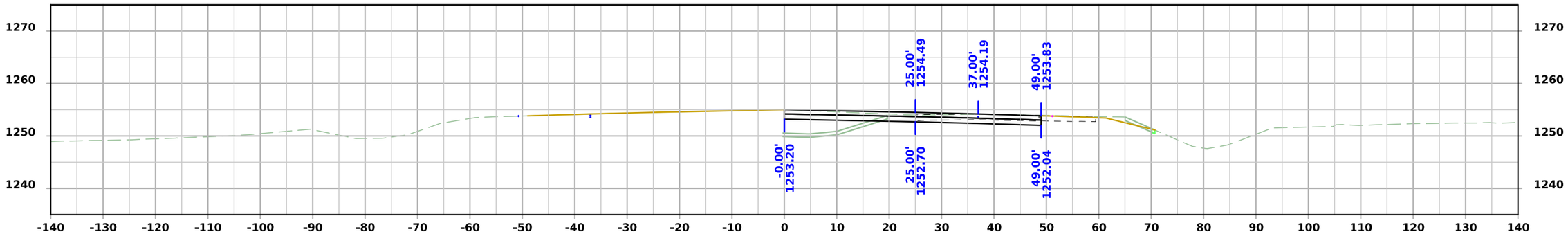
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3080

1:24:49 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_1_78059056Z06.dgn

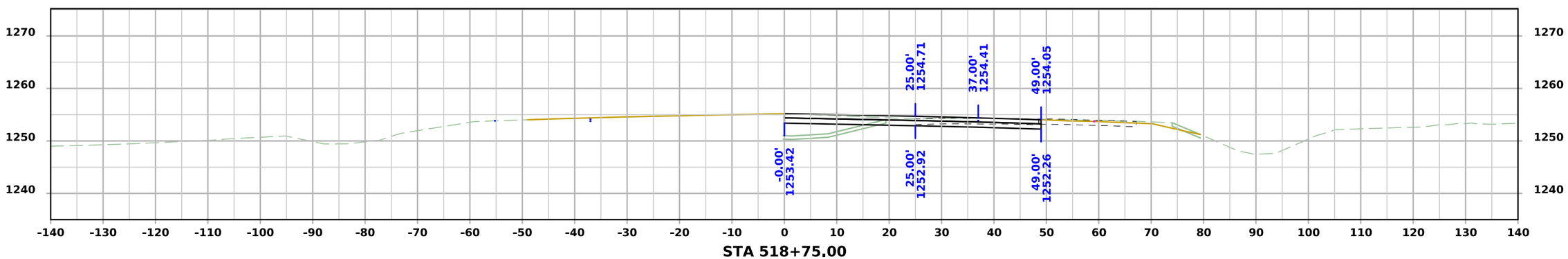
US 59 Stage 4



STA 519+25.00



STA 519+00.00

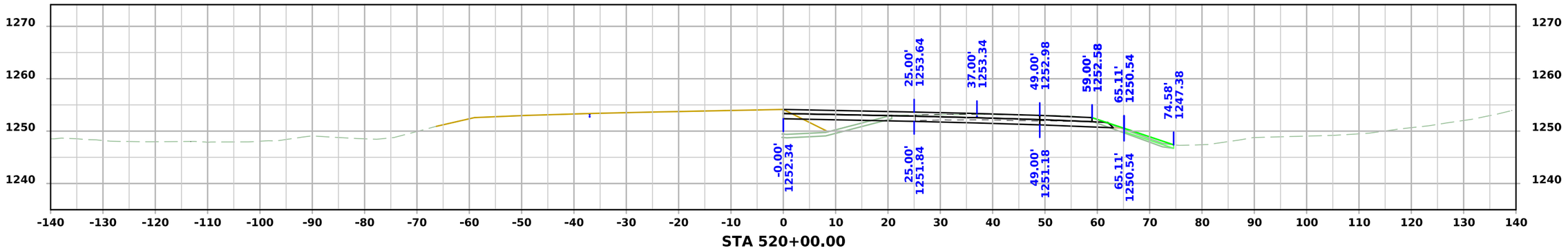


STA 518+75.00

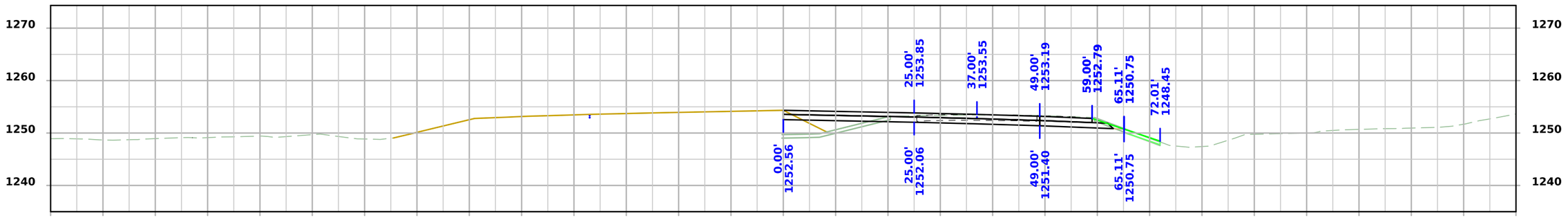
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3081

1:24:52 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_1_78059056Z06.dgn

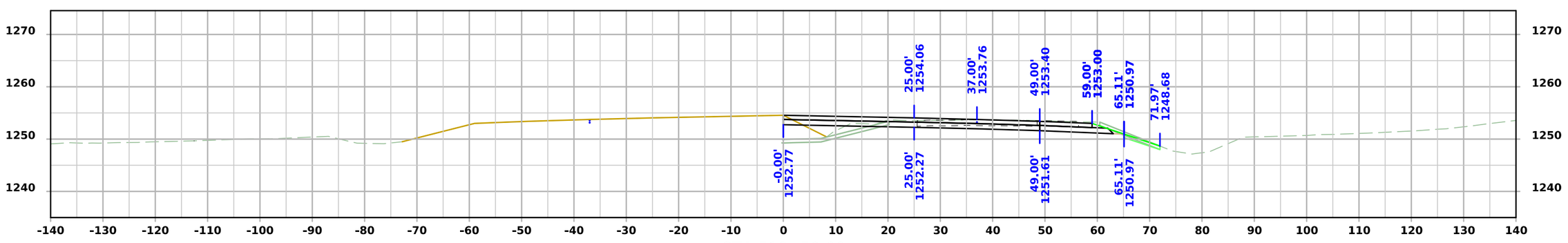
US 59 Stage 4



STA 520+00.00



STA 519+75.00

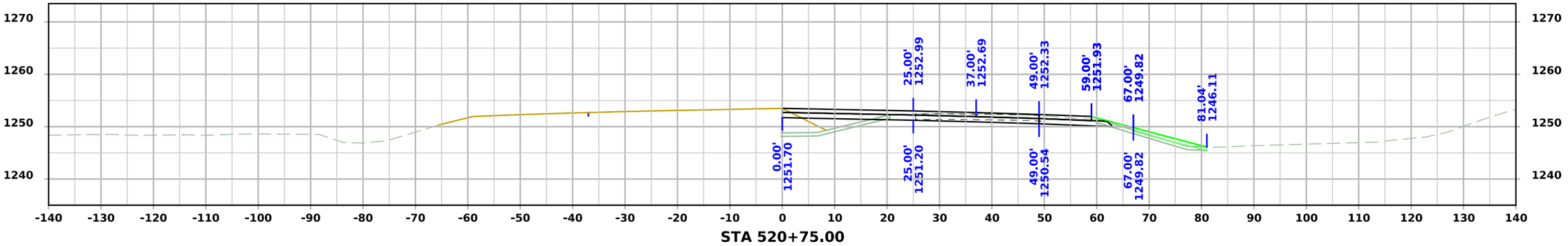


STA 519+50.00

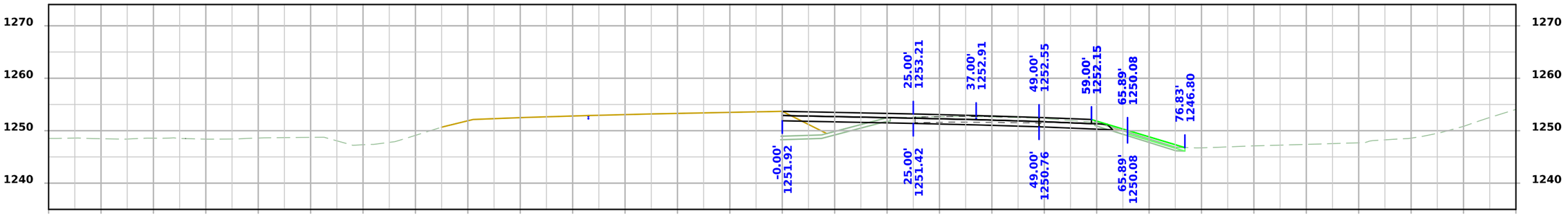
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3082

1:24:55 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_1_78059056Z06.dgn

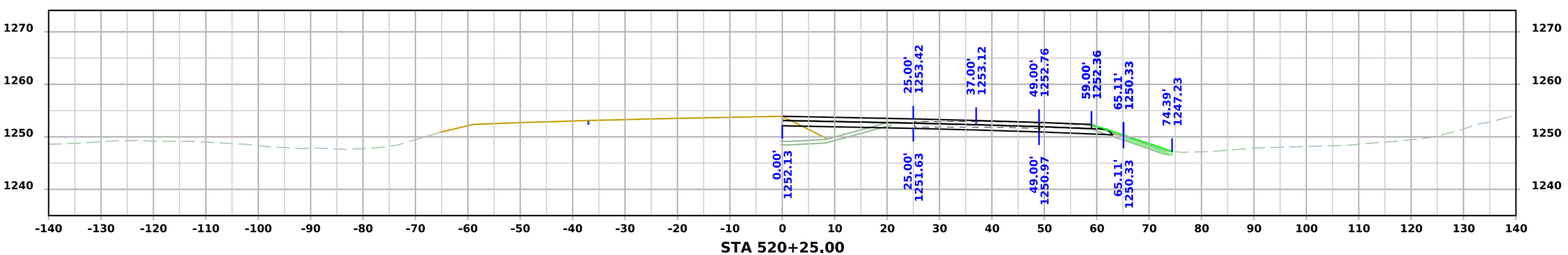
US 59 Stage 4



STA 520+75.00



STA 520+50.00

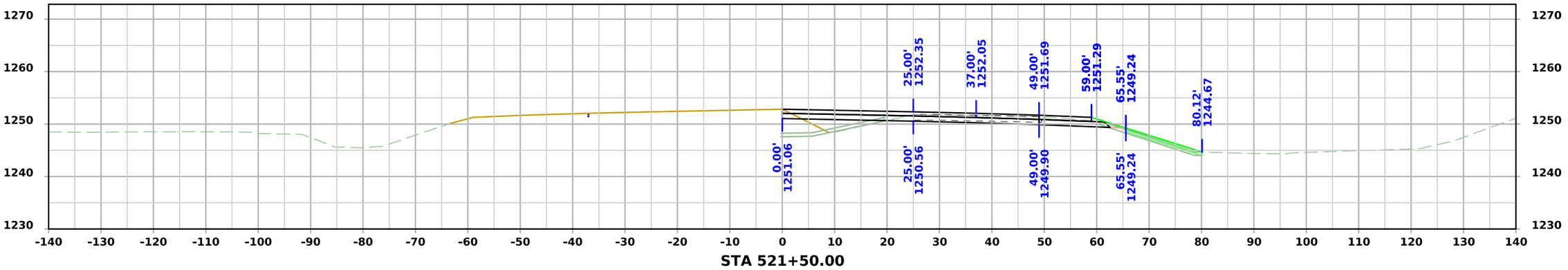


STA 520+25.00

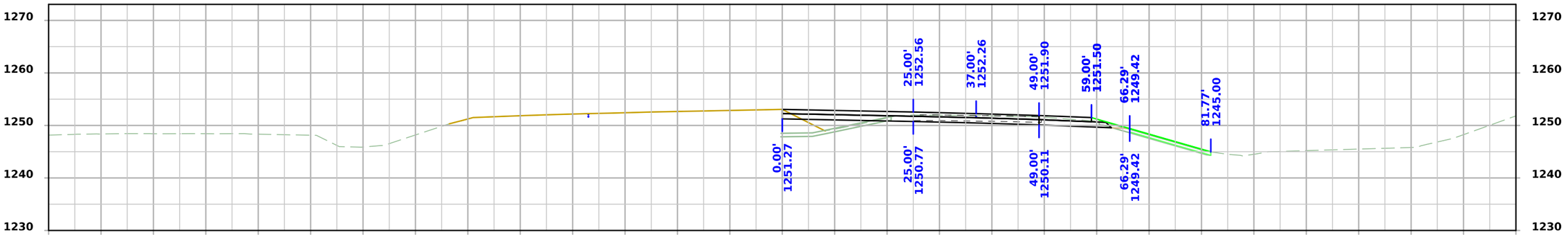
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3083

1:24:58 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_1_78059056Z06.dgn

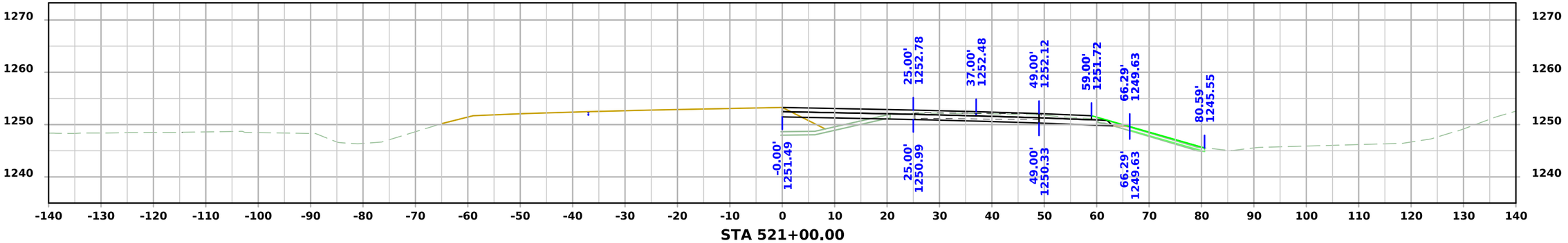
US 59 Stage 4



STA 521+50.00



STA 521+25.00

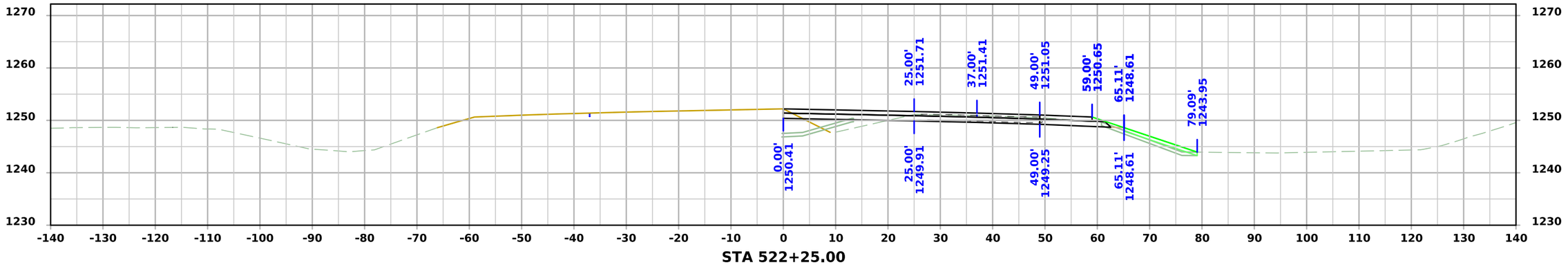


STA 521+00.00

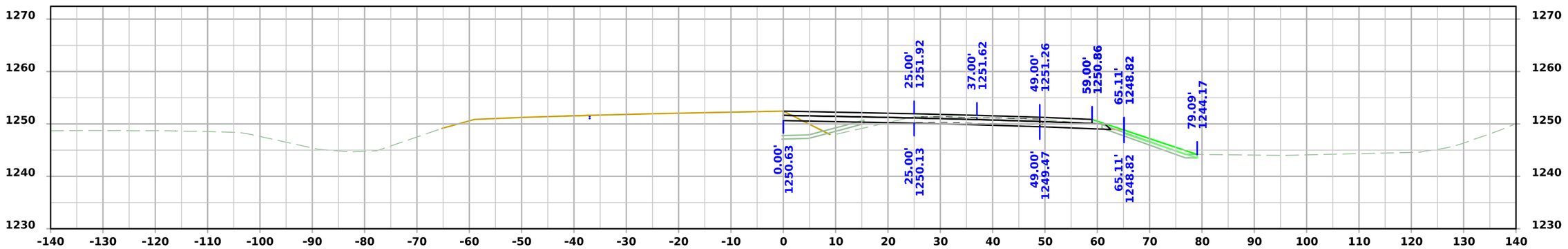
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3084

1:25:01 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_1_78059056Z06.dgn

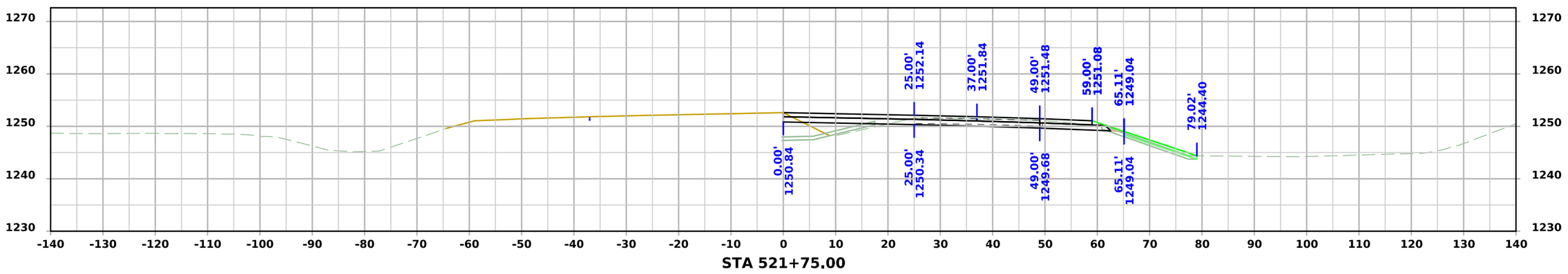
US 59 Stage 4



STA 522+25.00



STA 522+00.00

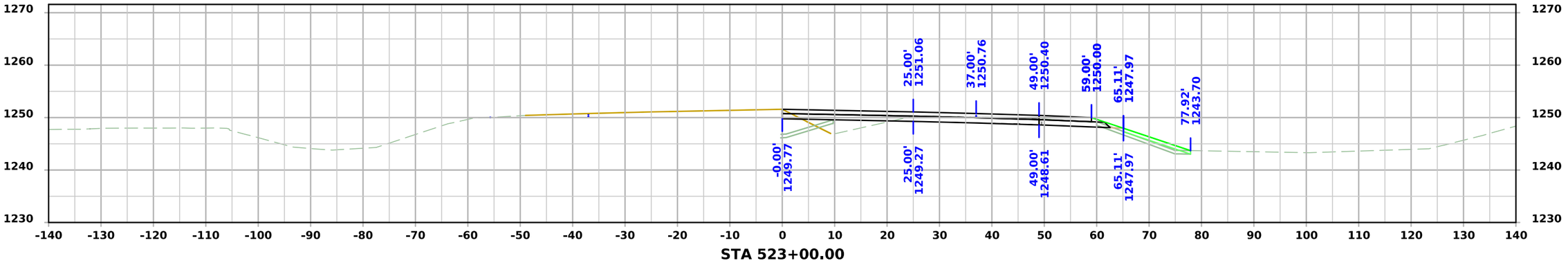


STA 521+75.00

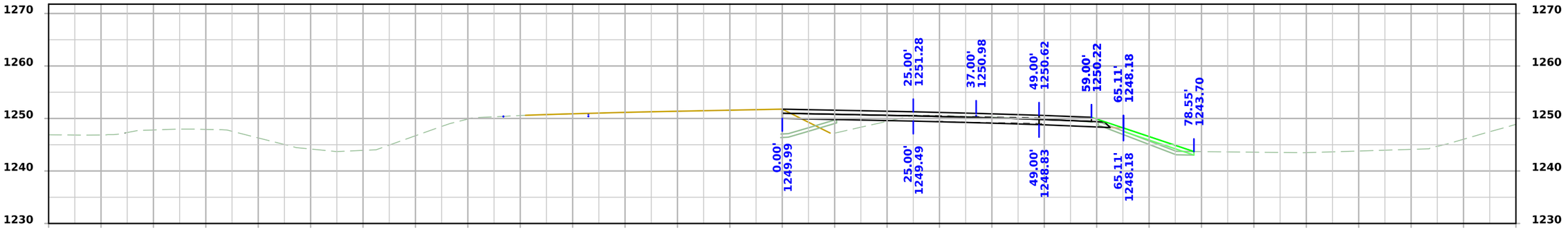
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3085

1:25:04 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_1_78059056Z06.dgn

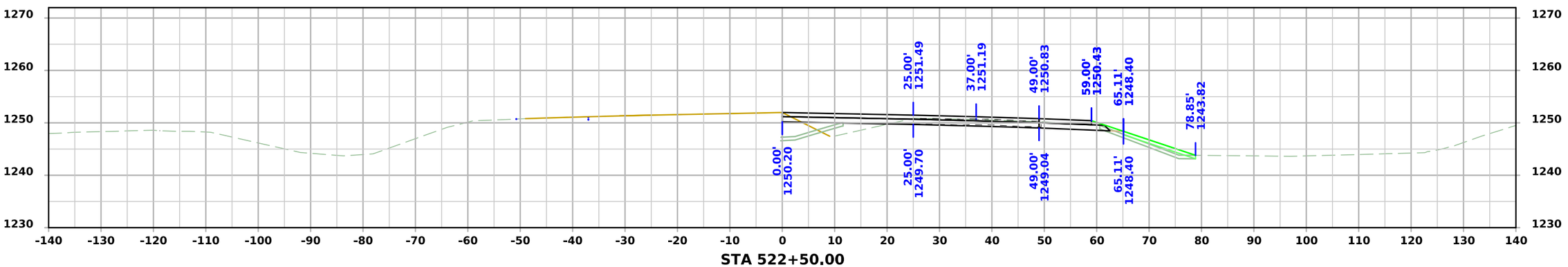
US 59 Stage 4



STA 523+00.00



STA 522+75.00

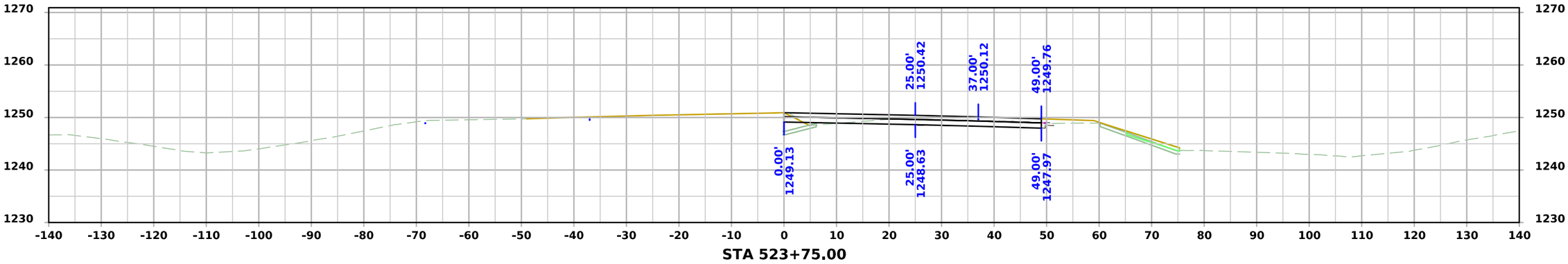


STA 522+50.00

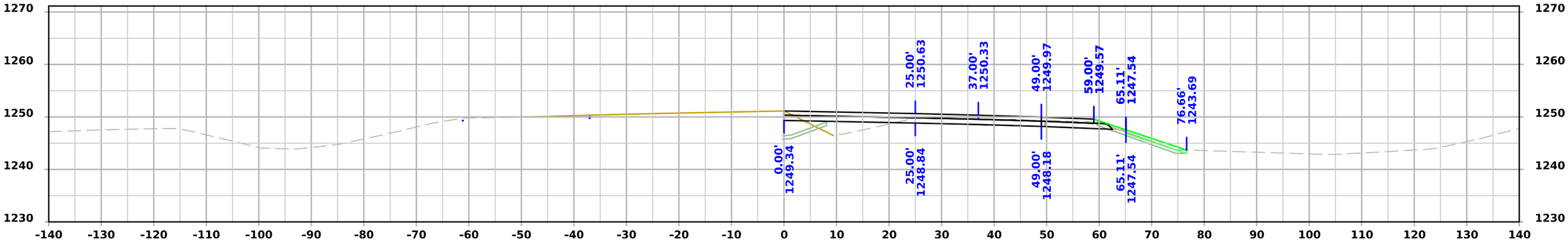
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3086

1:25:07 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_1_78059056Z06.dgn

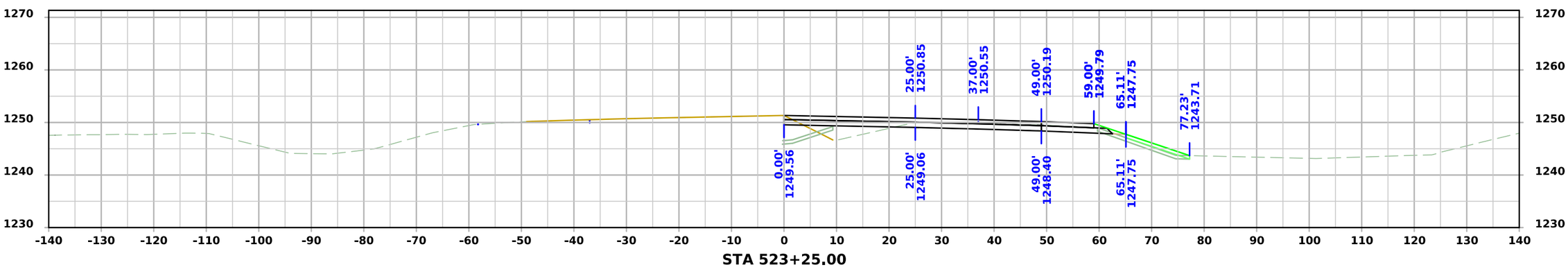
US 59 Stage 4



STA 523+75.00



STA 523+50.00

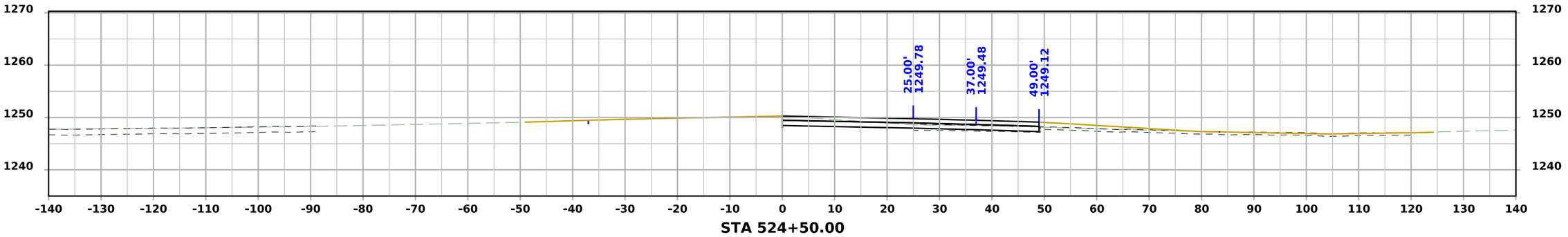


STA 523+25.00

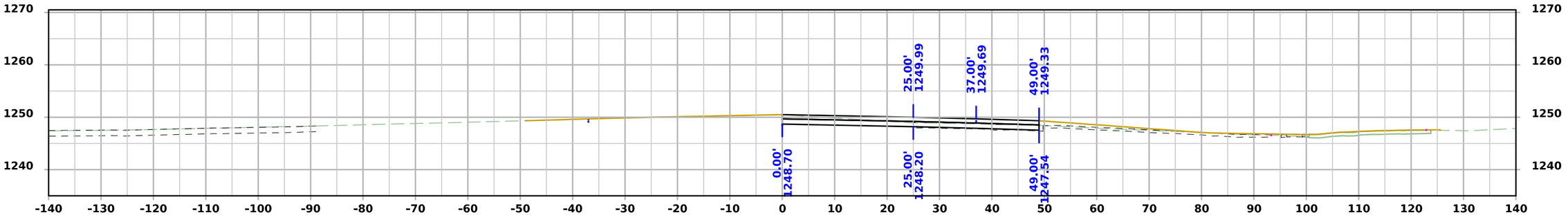
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3087

1:25:10 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_1_78059056Z06.dgn

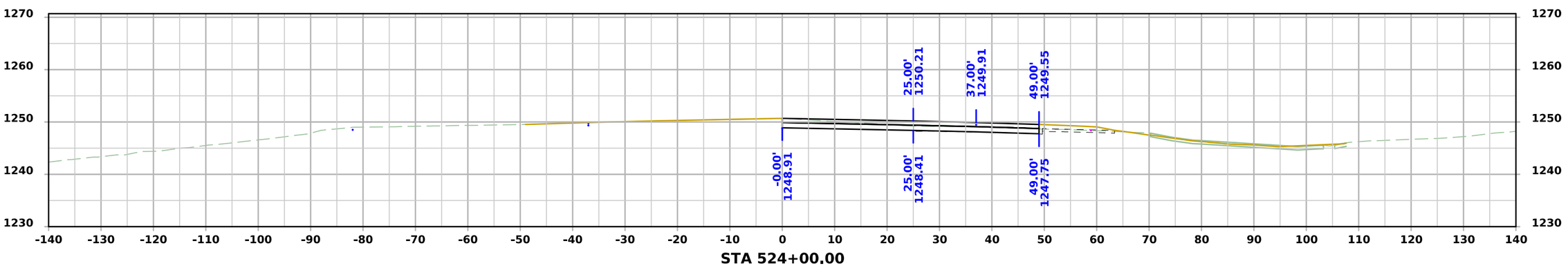
US 59 Stage 4



STA 524+50.00



STA 524+25.00

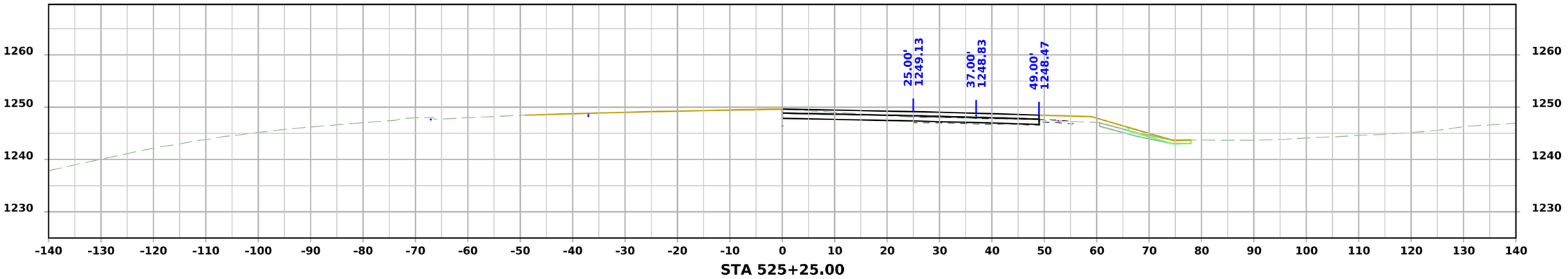


STA 524+00.00

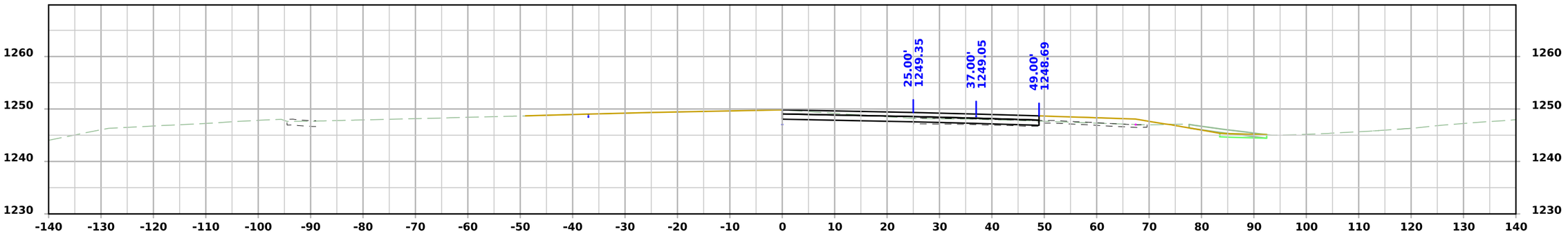
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3088

1:25:13 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_1_78059056Z06.dgn

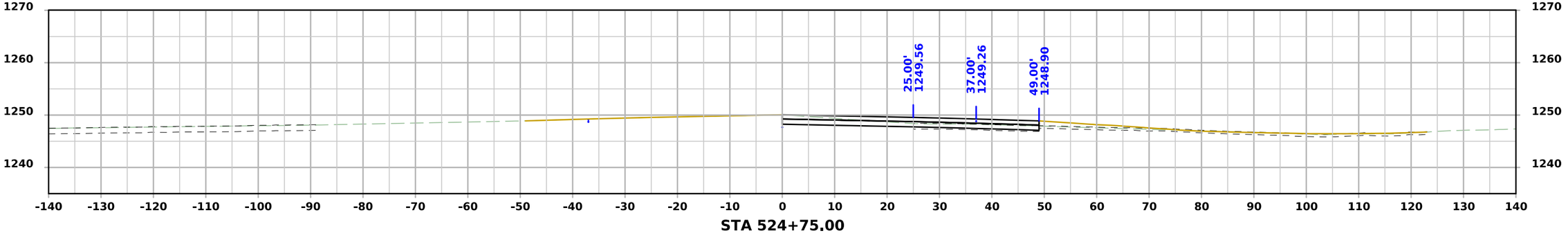
US 59 Stage 4



STA 525+25.00



STA 525+00.00

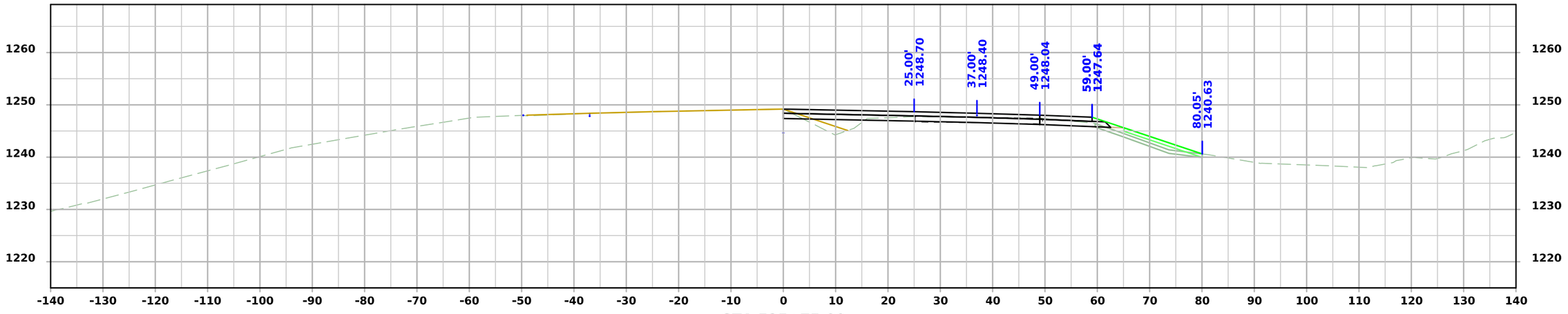


STA 524+75.00

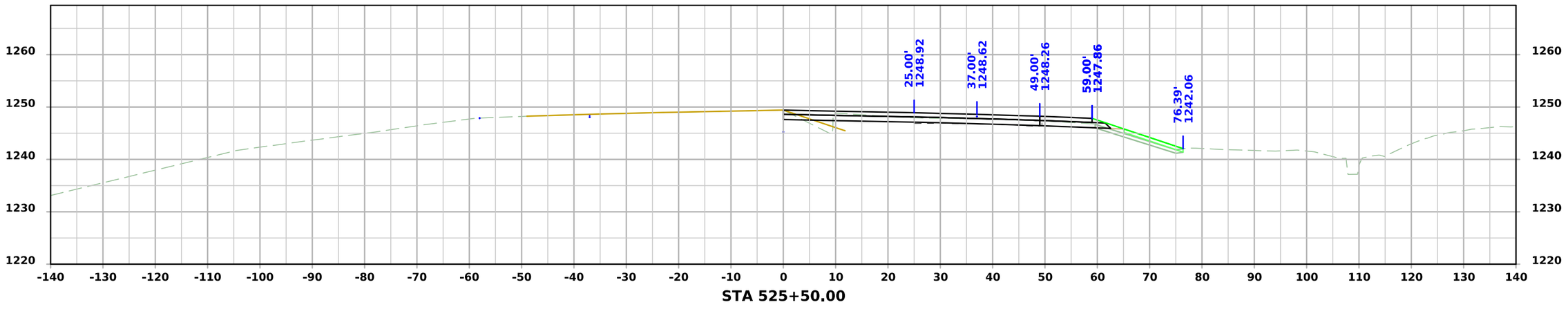
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3089

1:25:15 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_1_78059056Z06.dgn

US 59 Stage 4



STA 525+75.00

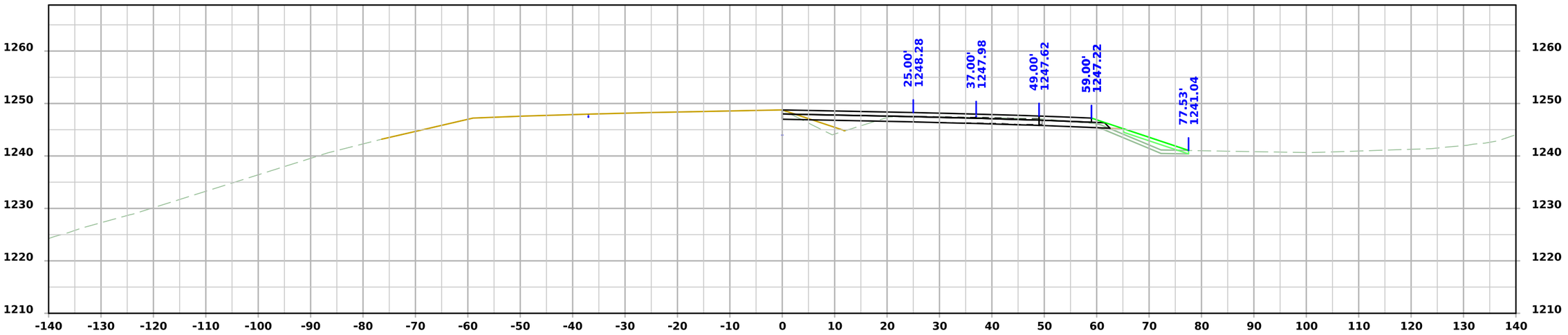


STA 525+50.00

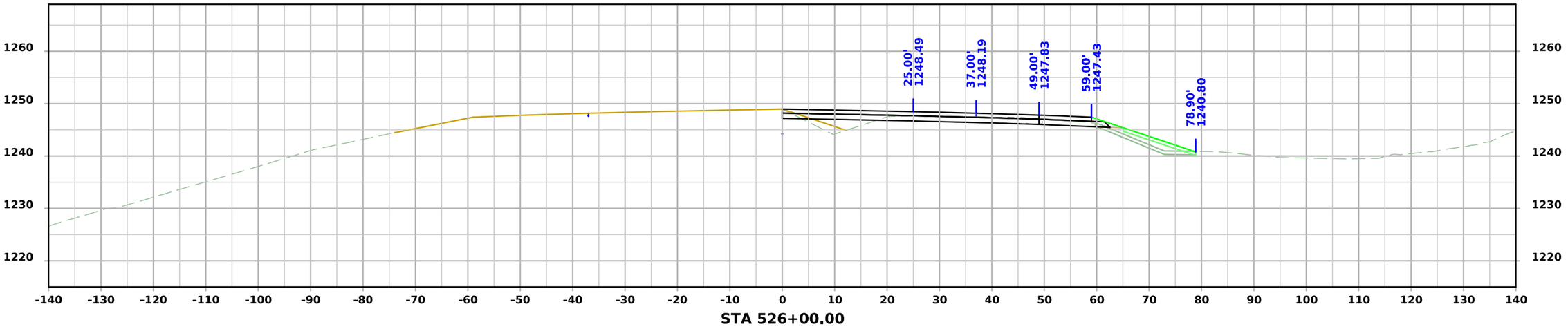
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3090

1:25:18 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_1_78059056Z06.dgn

US 59 Stage 4



STA 526+25.00

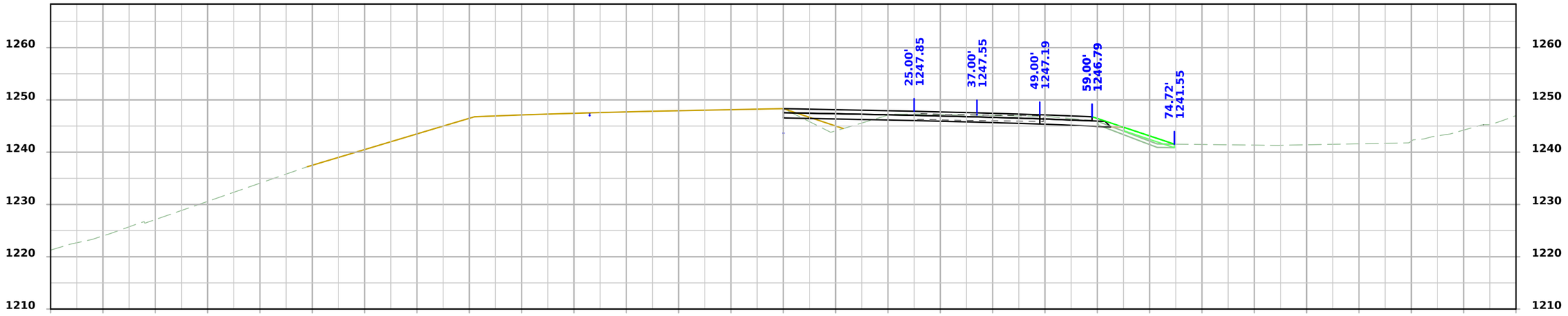


STA 526+00.00

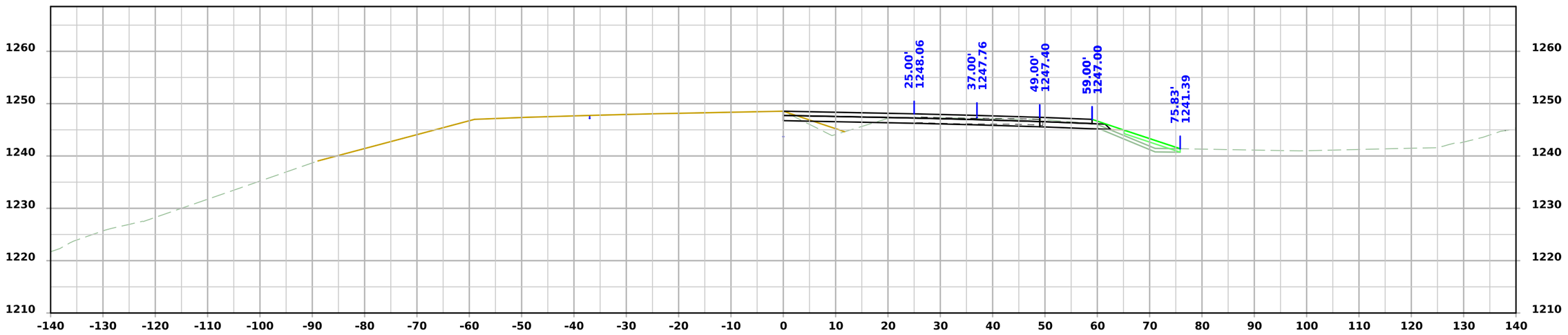
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3091

1:25:20 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_1_78059056Z06.dgn

US 59 Stage 4



STA 526+75.00

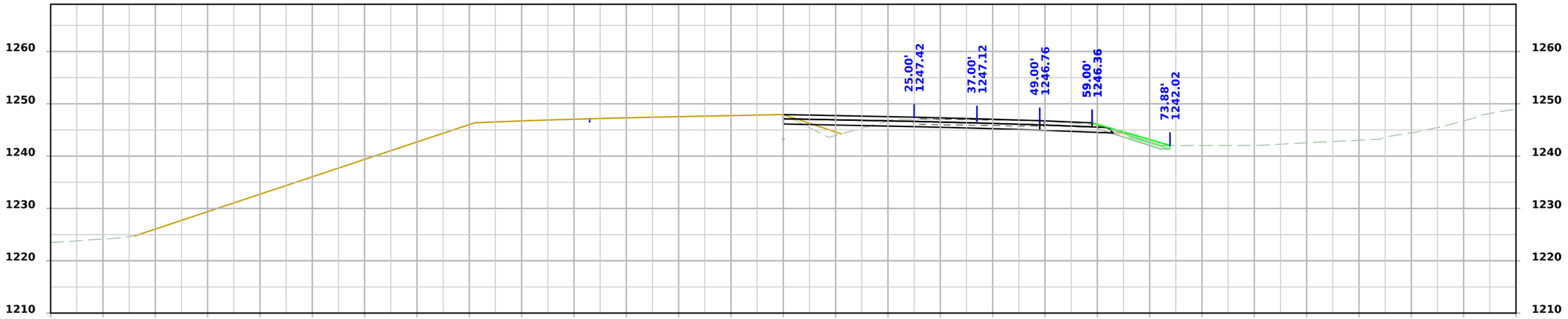


STA 526+50.00

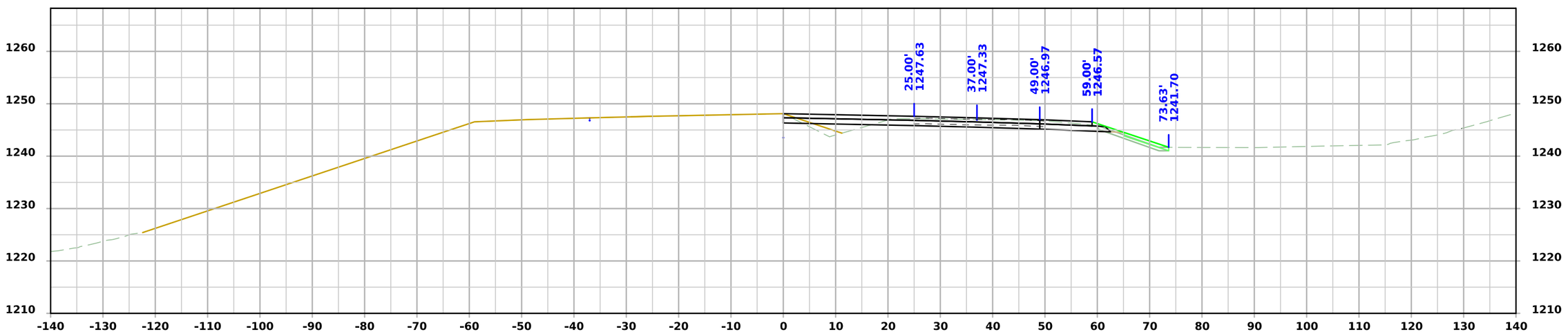
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3092

1:25:22 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_1_78059056Z06.dgn

US 59 Stage 4



STA 527+25.00

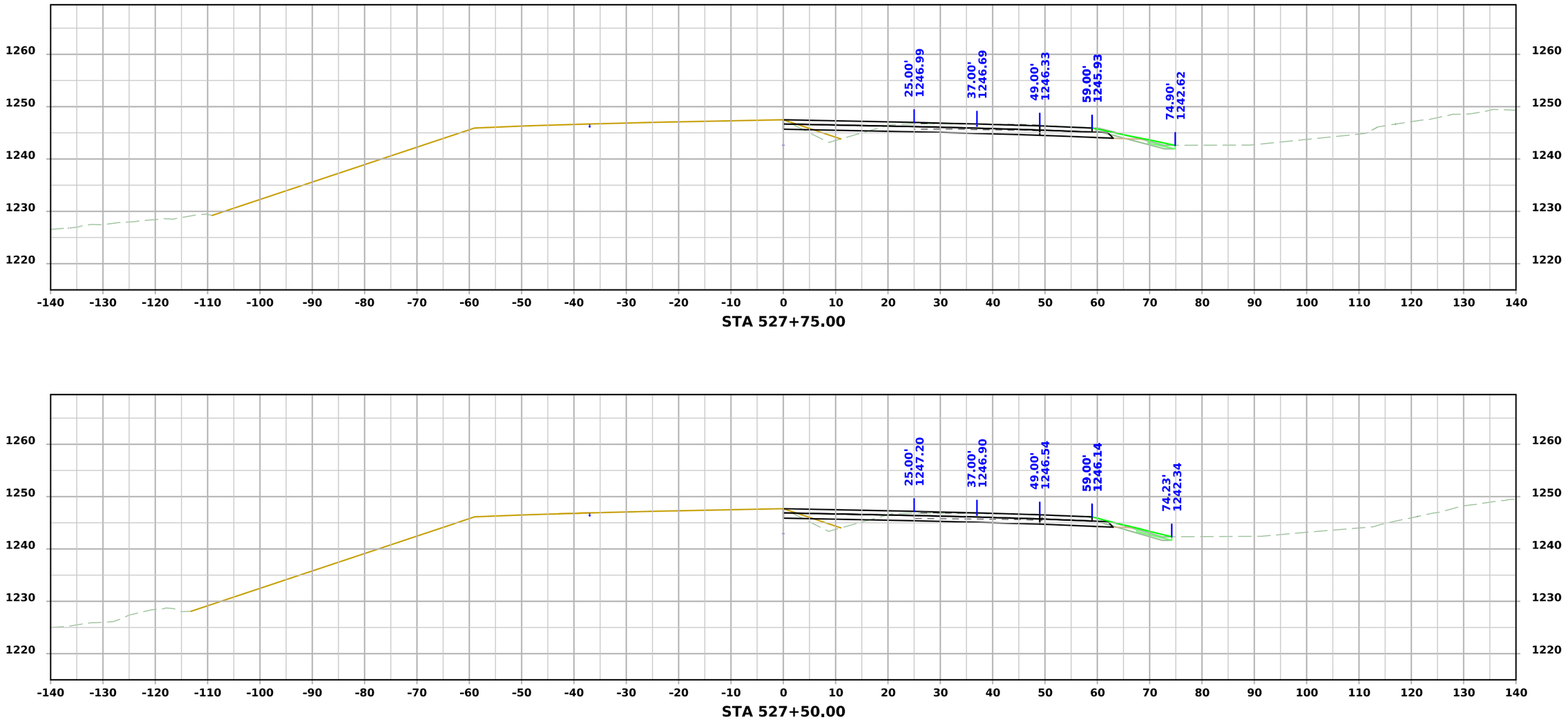


STA 527+00.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3093

1:25:24 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_1_78059056Z06.dgn

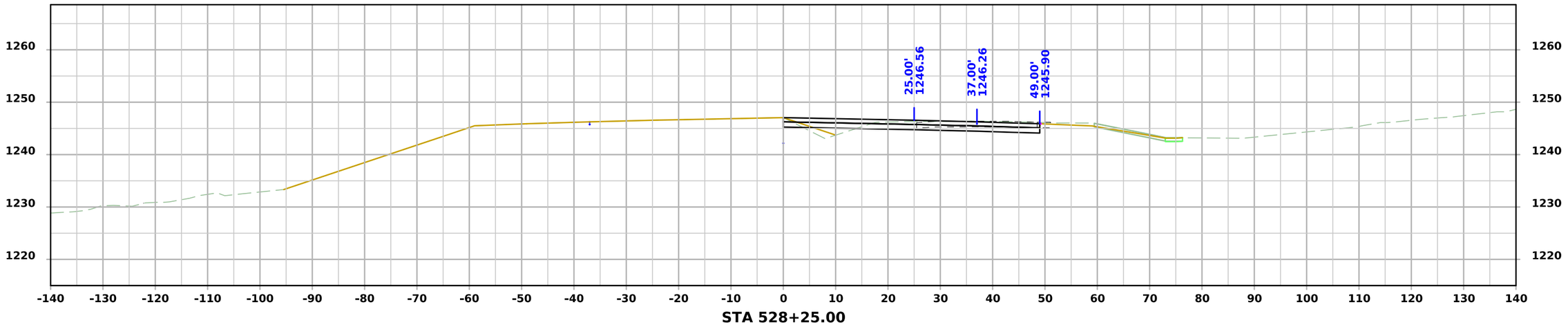
US 59 Stage 4



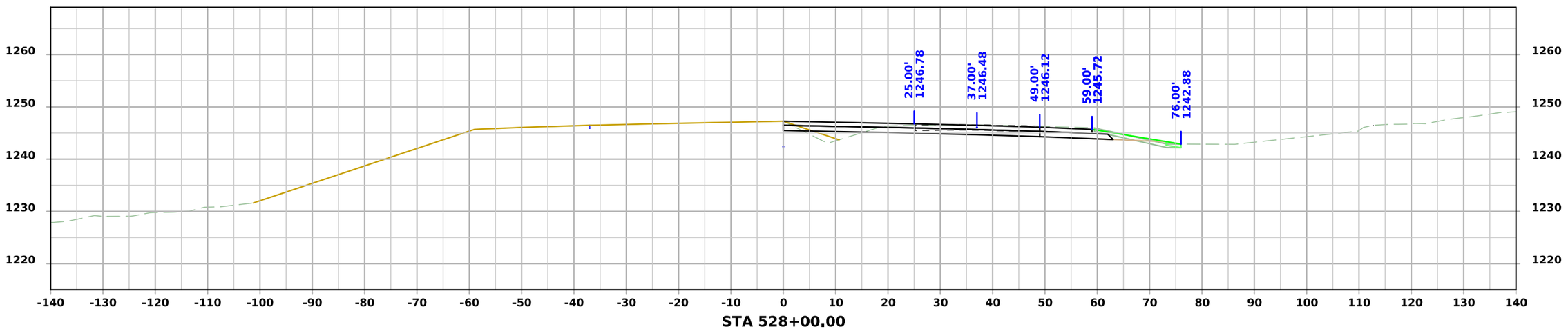
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3094

1:25:26 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_1_78059056Z06.dgn

US 59 Stage 4



STA 528+25.00

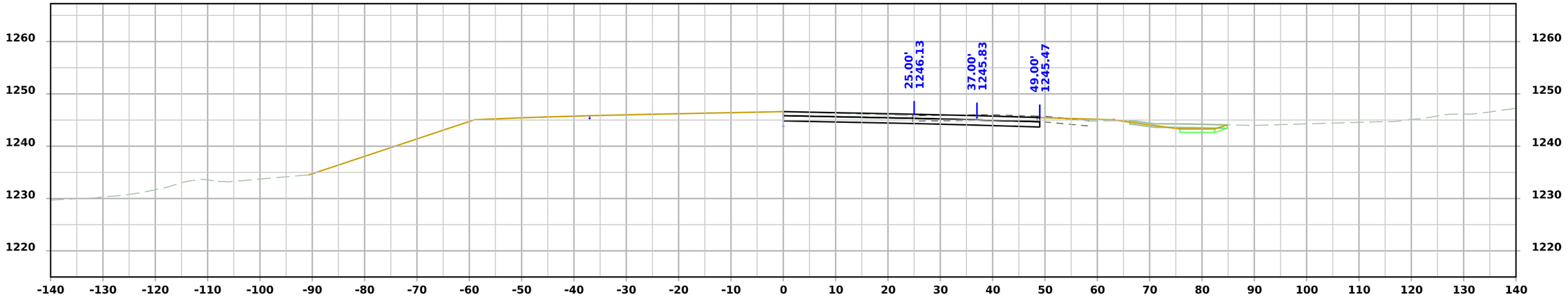


STA 528+00.00

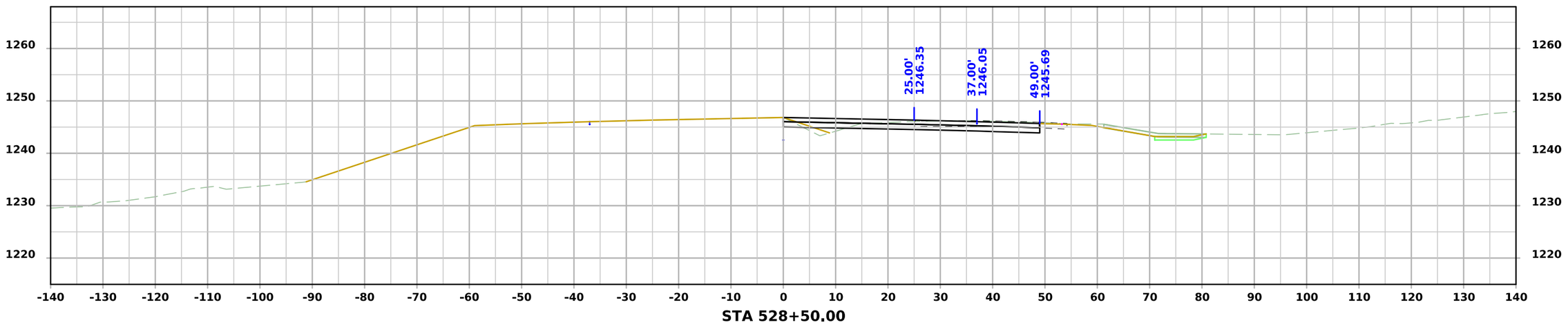
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3095

1:25:29 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_1_78059056Z06.dgn

US 59 Stage 4



STA 528+75.00

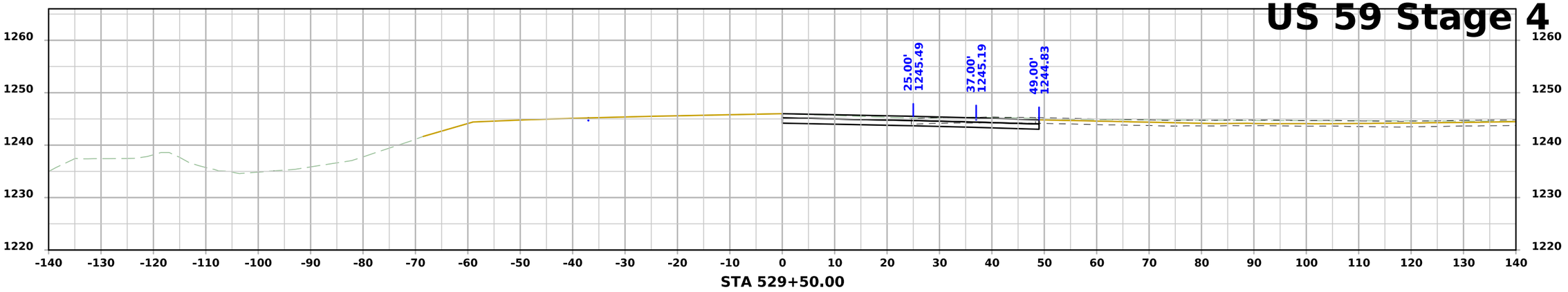


STA 528+50.00

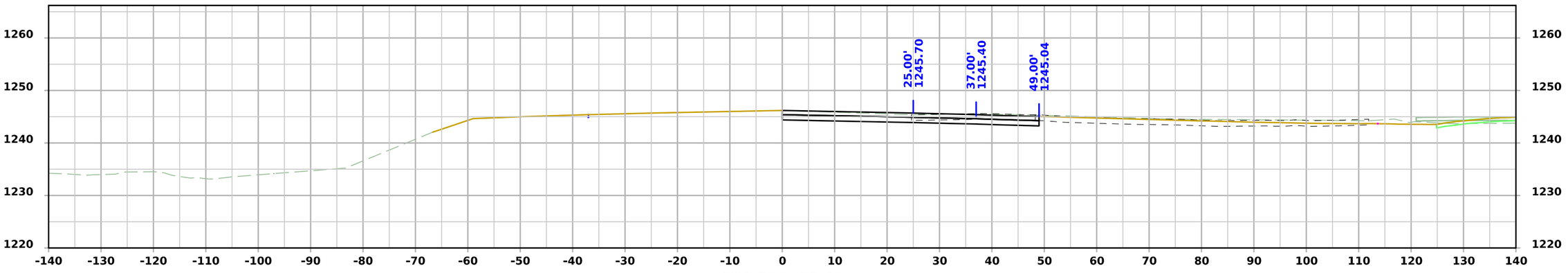
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3096

1:25:31 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_1_78059056Z06.dgn

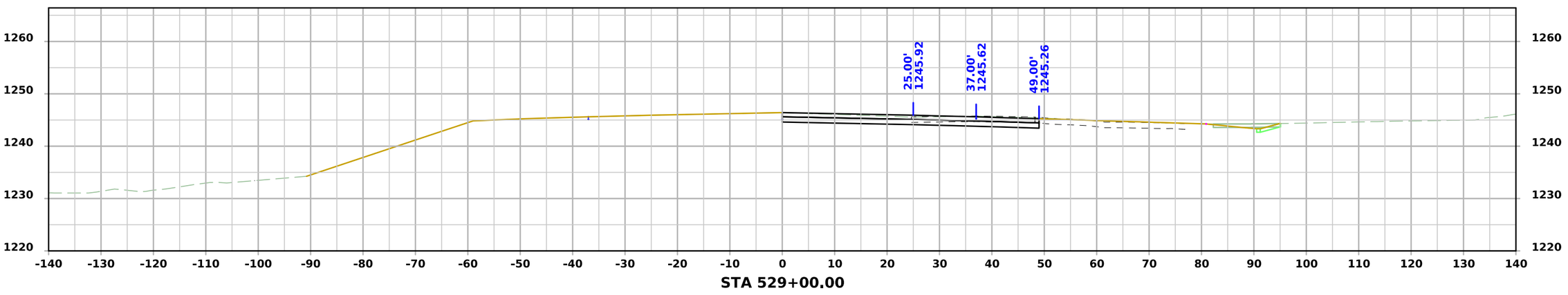
US 59 Stage 4



STA 529+50.00



STA 529+25.00

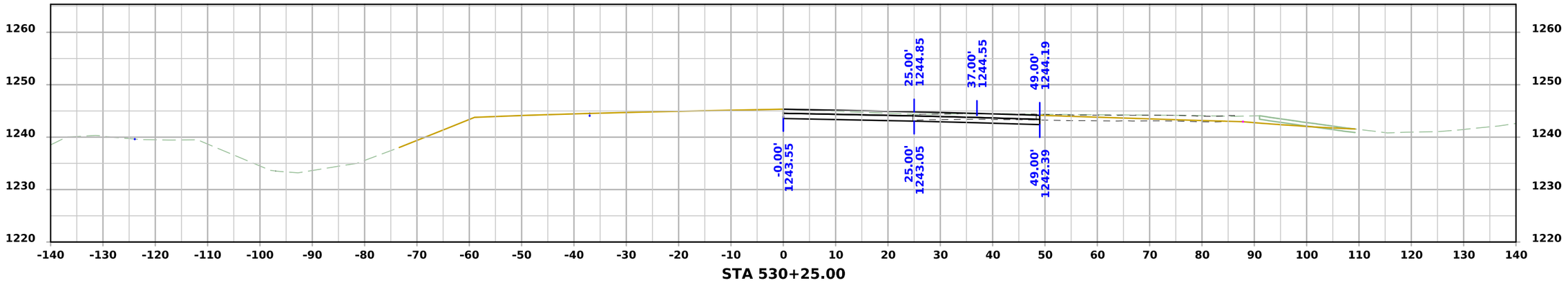


STA 529+00.00

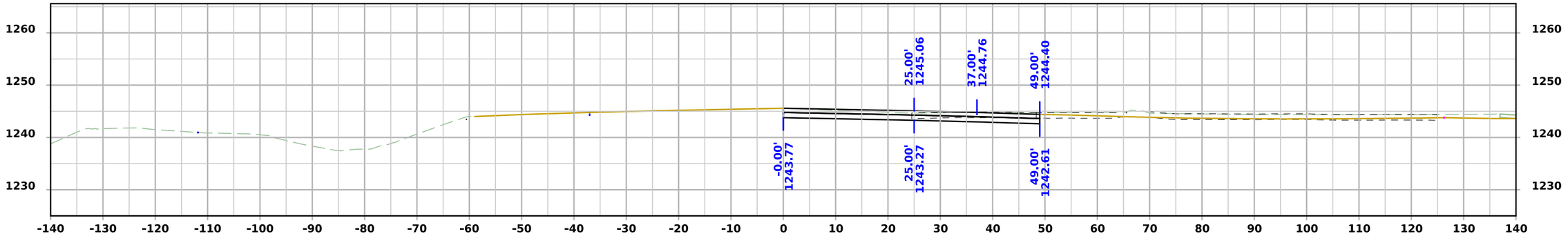
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3097

1:25:33 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_1_78059056Z06.dgn

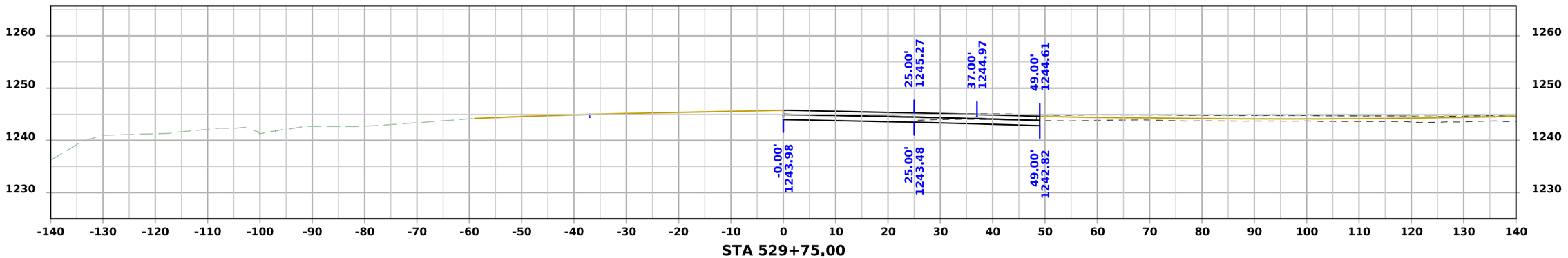
US 59 Stage 4



STA 530+25.00



STA 530+00.00

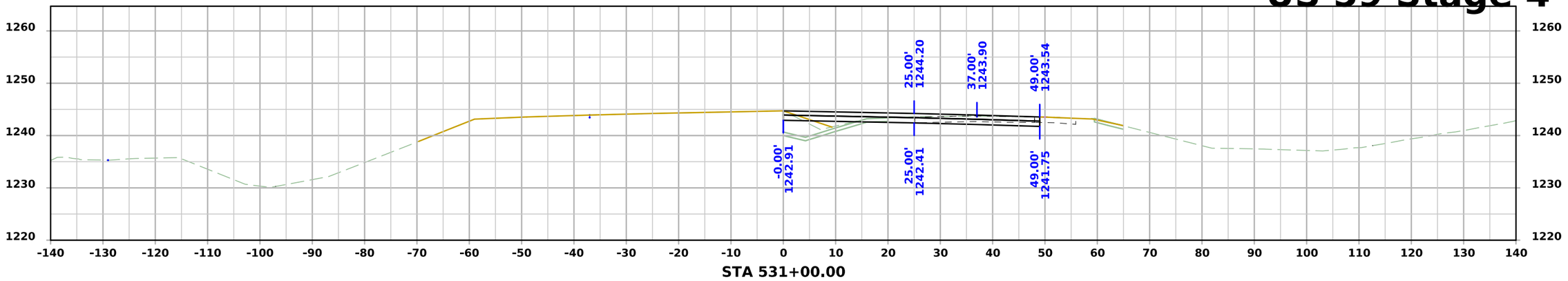


STA 529+75.00

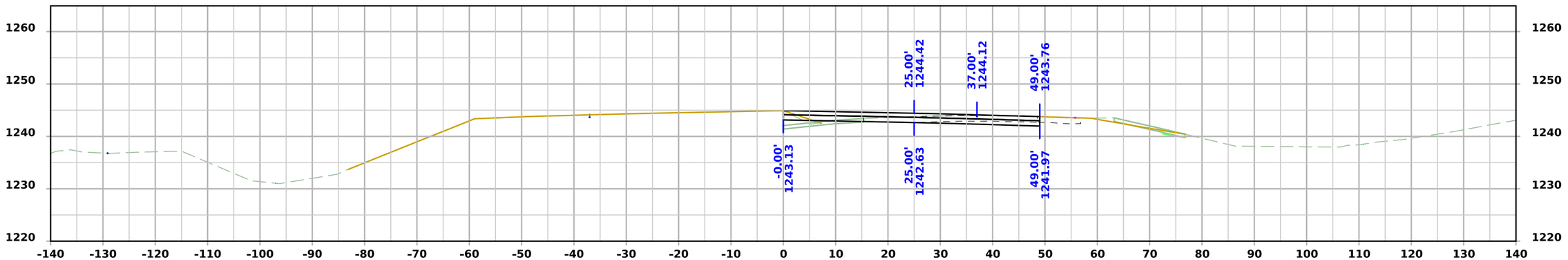
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3098

1:25:36 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_1_78059056Z06.dgn

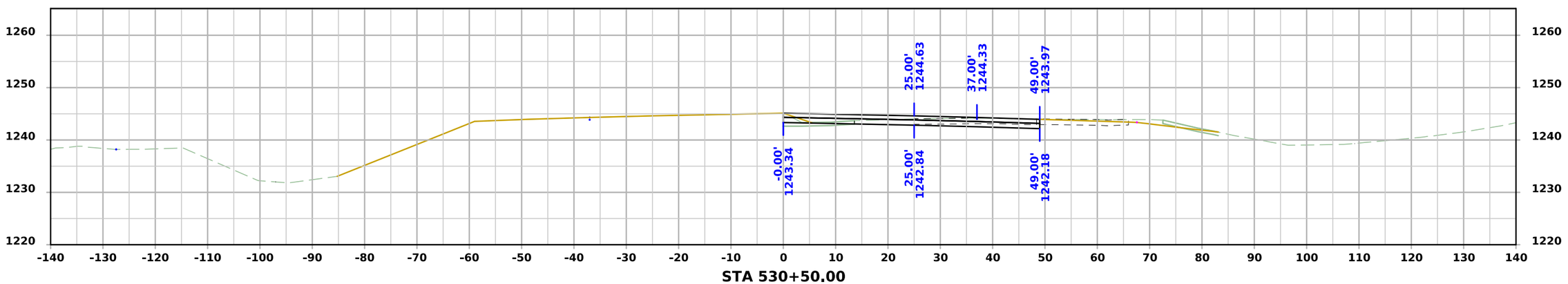
US 59 Stage 4



STA 531+00.00



STA 530+75.00

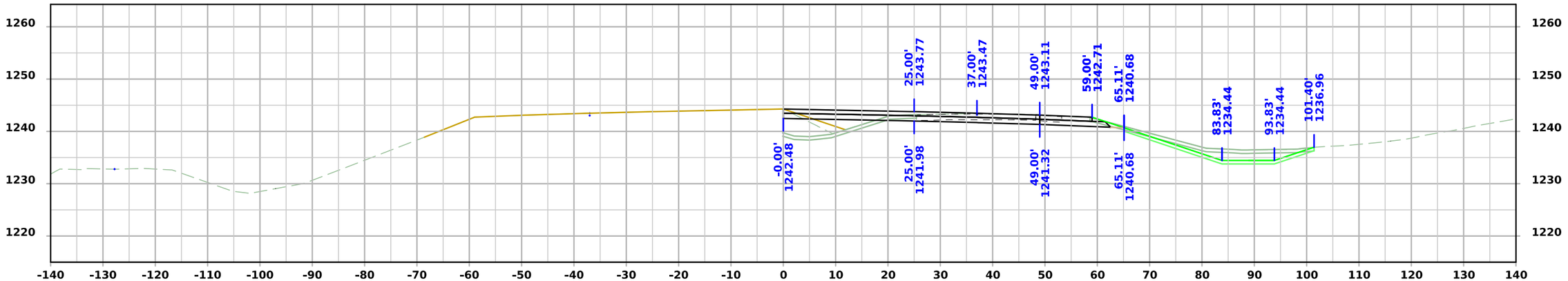


STA 530+50.00

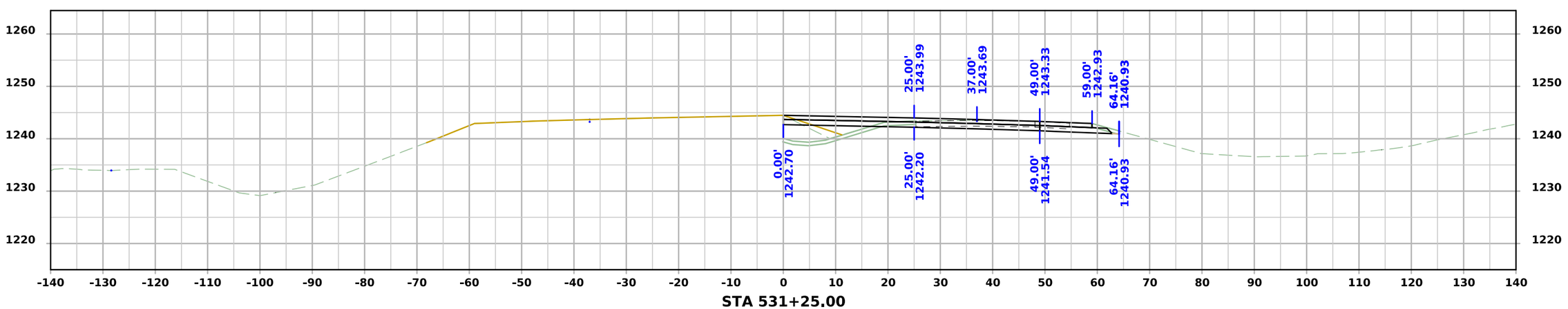
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3099

1:25:39 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_1_78059056Z06.dgn

US 59 Stage 4



STA 531+50.00

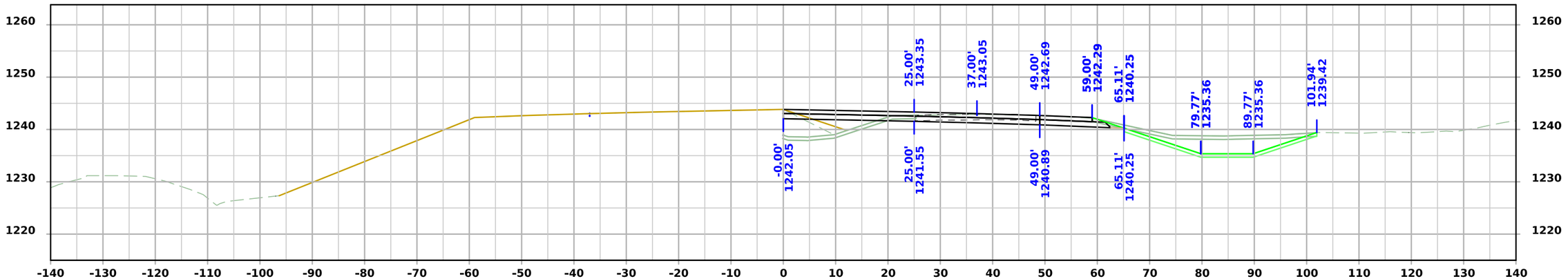


STA 531+25.00

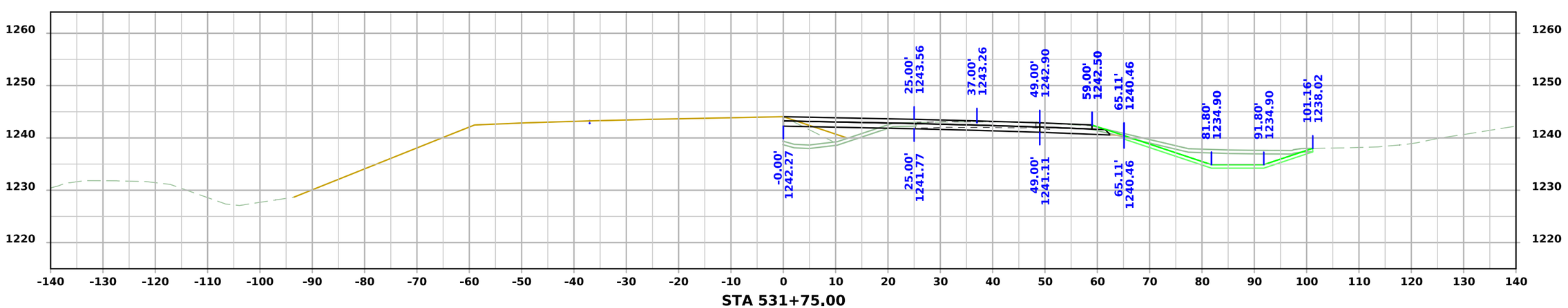
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3100

1:25:42 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_1_78059056Z06.dgn

US 59 Stage 4



STA 532+00.00

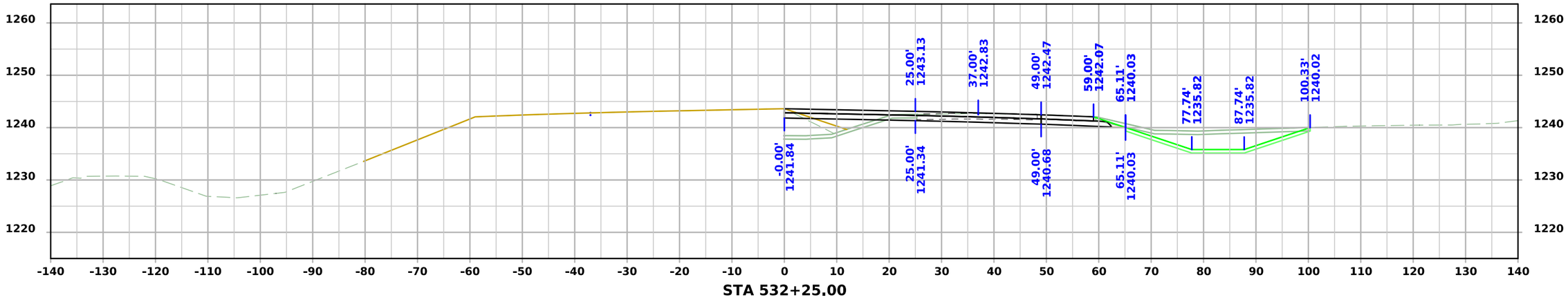


STA 531+75.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3101

1:25:44 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_1_78059056Z06.dgn

US 59 Stage 4

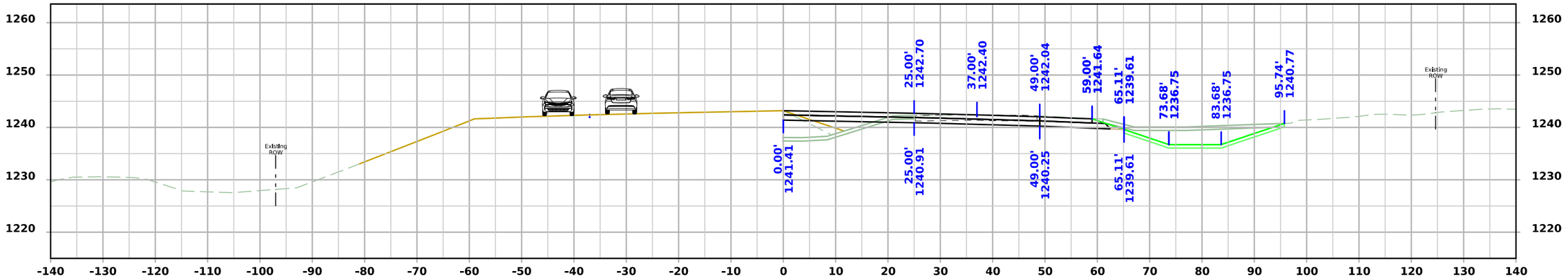


STA 532+25.00

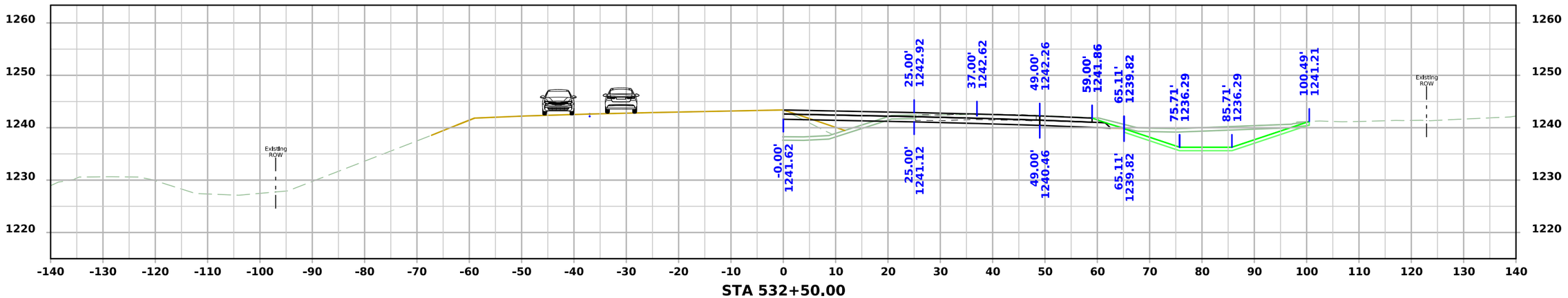
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3102

1:25:46 PM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_1_78059056Z06.dgn

US 59 Stage 4



STA 532+75.00

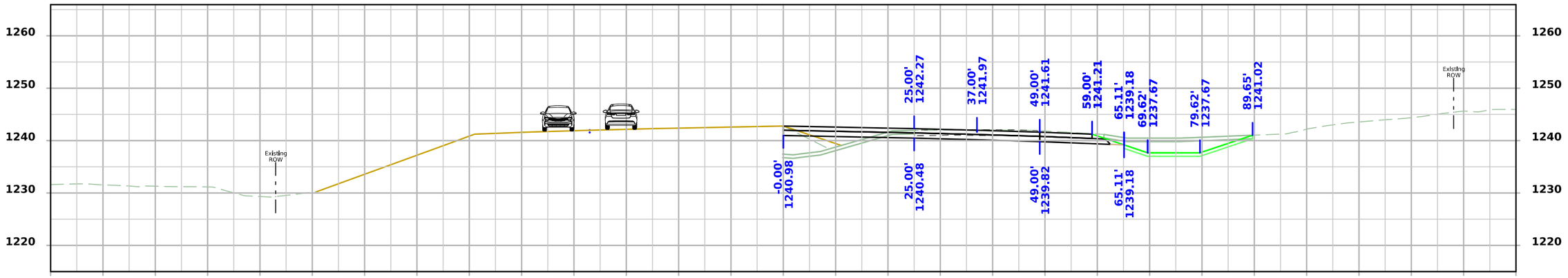


STA 532+50.00

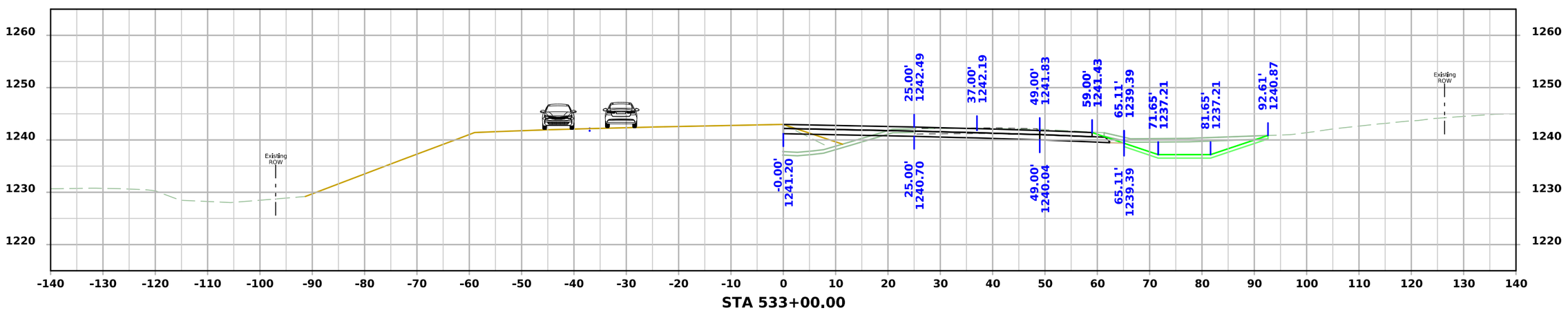
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3103

11:55:33 AM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_2_78059056Z06.dgn

US 59 Stage 4



STA 533+25.00

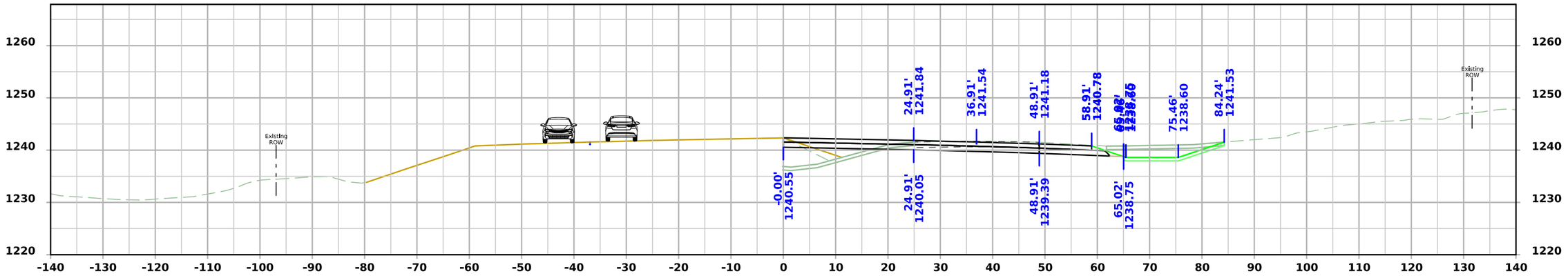


STA 533+00.00

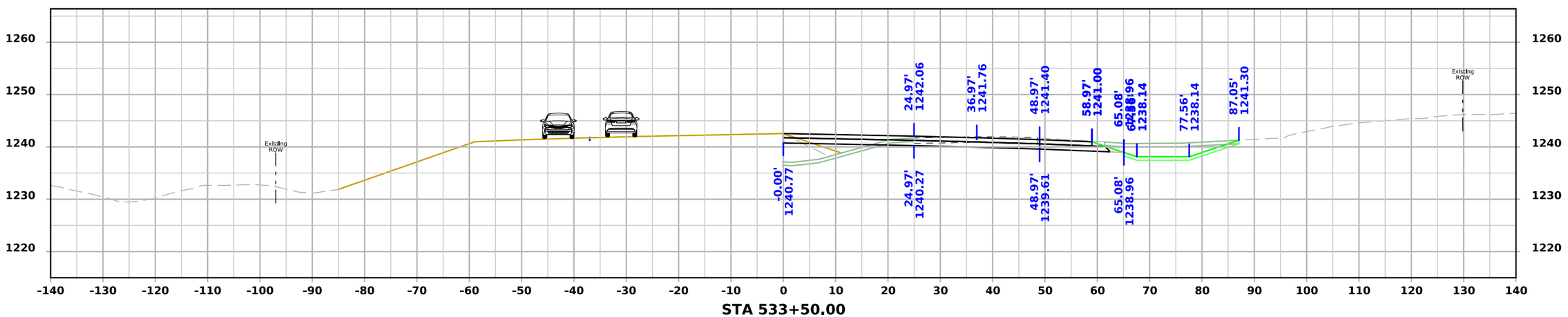
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3104

11:55:38 AM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_2_78059056Z06.dgn

US 59 Stage 4



STA 533+75.00

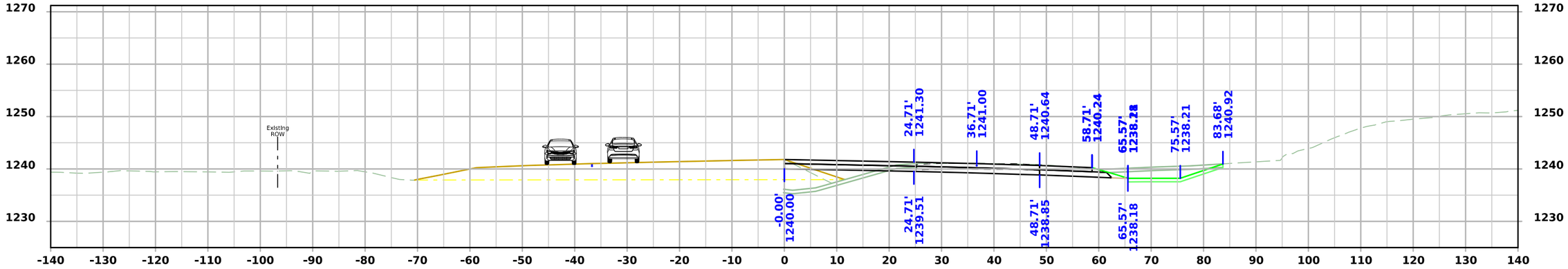


STA 533+50.00

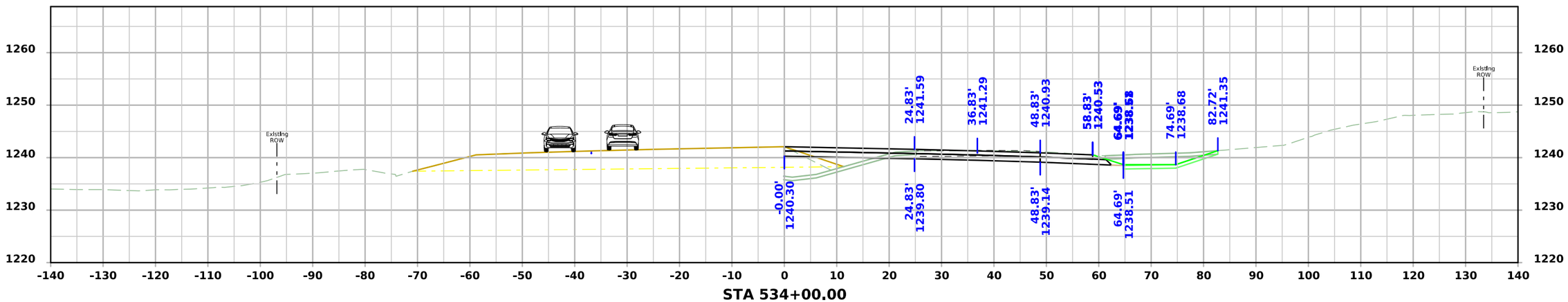
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3105

11:55:43 AM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_2_78059056Z06.dgn

US 59 Stage 4



STA 534+25.00

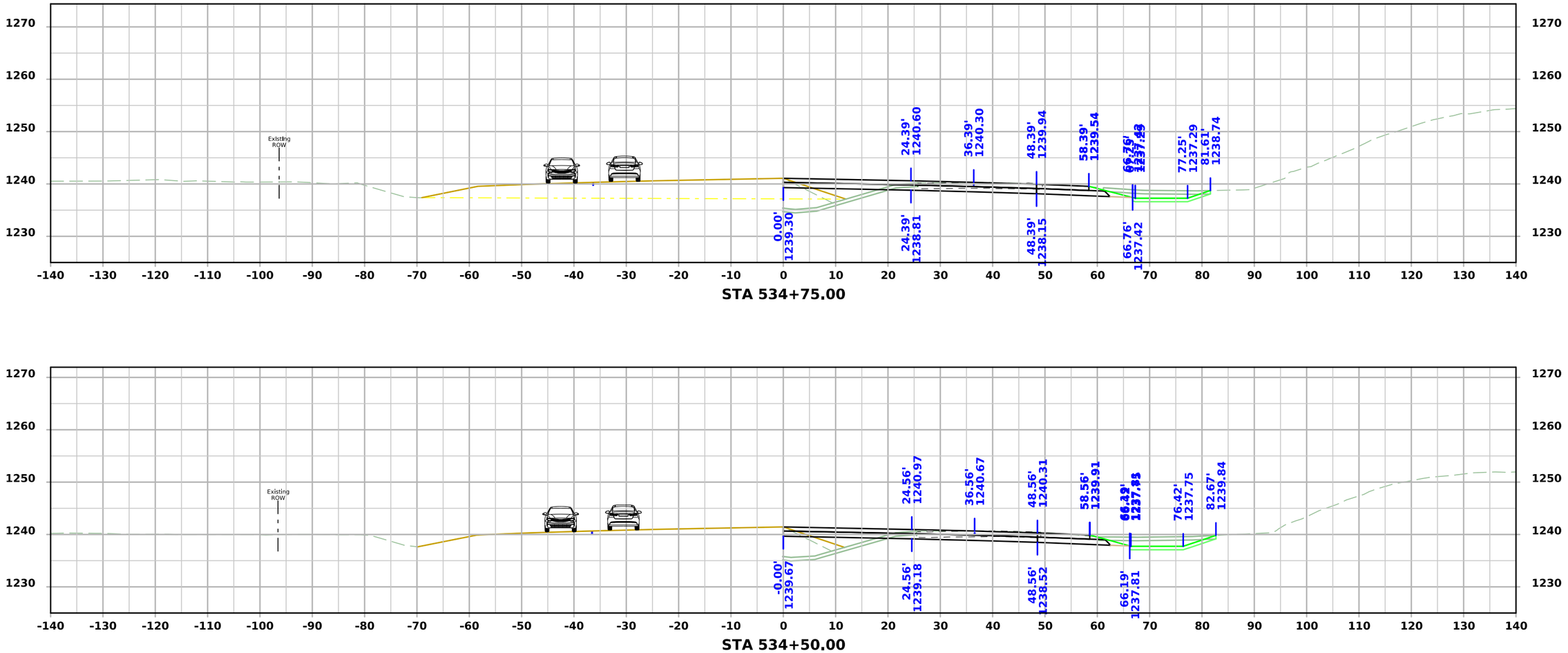


STA 534+00.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3106

11:55:48 AM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_2_78059056Z06.dgn

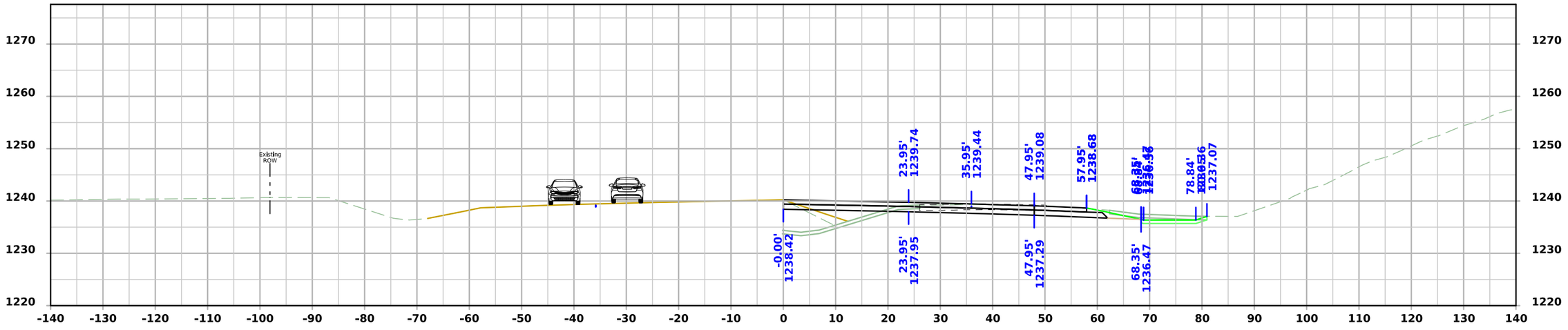
US 59 Stage 4

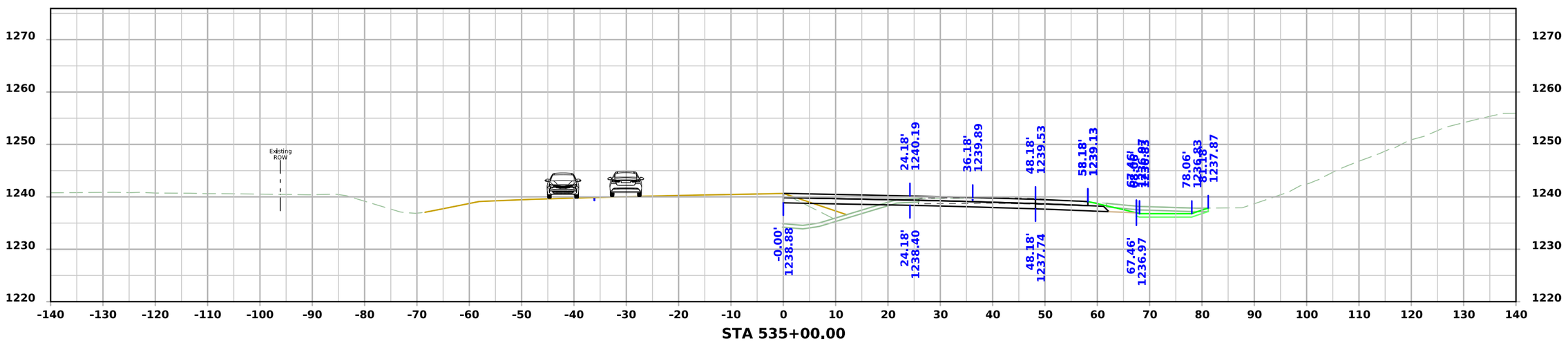


FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3107

11:55:53 AM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_2_78059056Z06.dgn

US 59 Stage 4

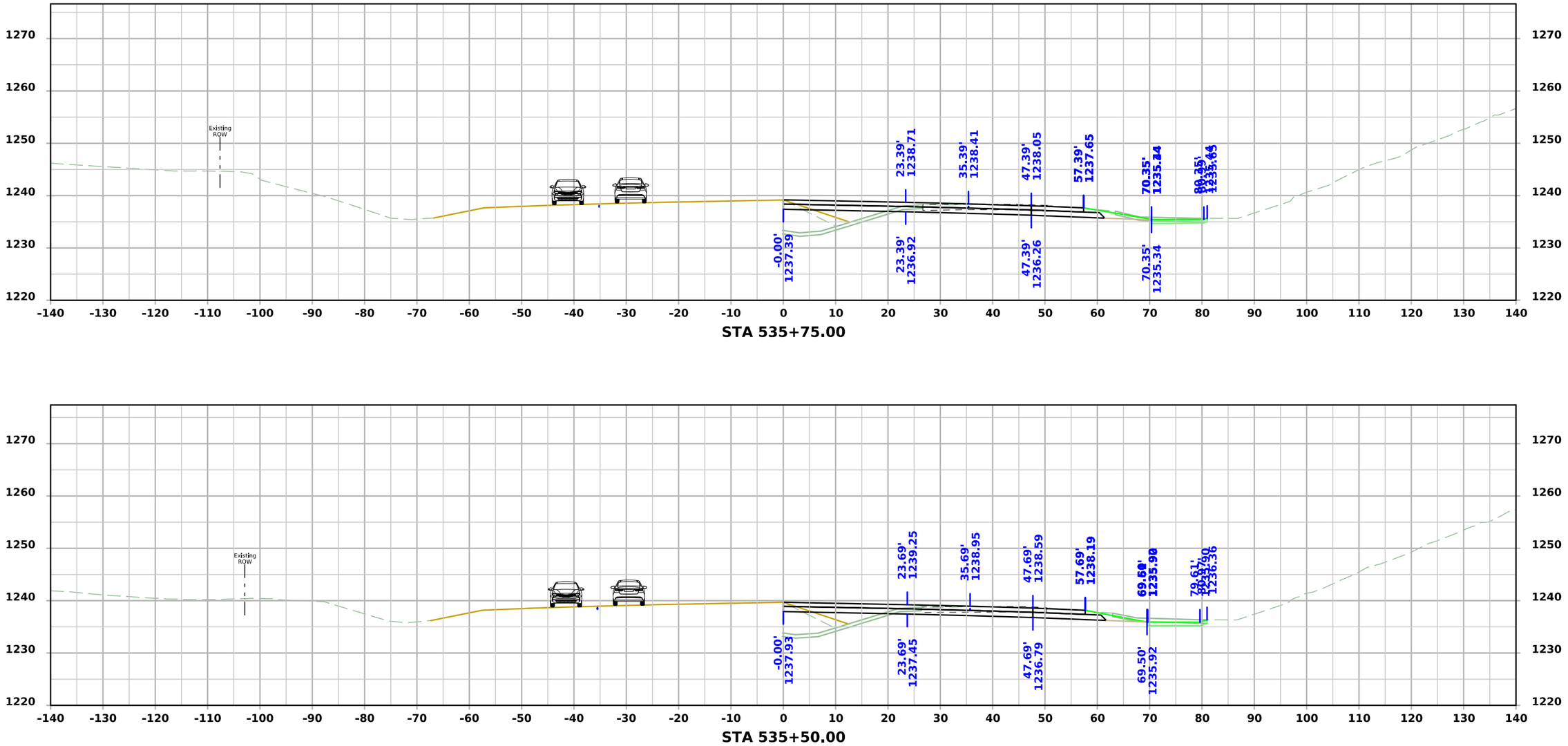




FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3108

11:55:58 AM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_2_78059056Z06.dgn

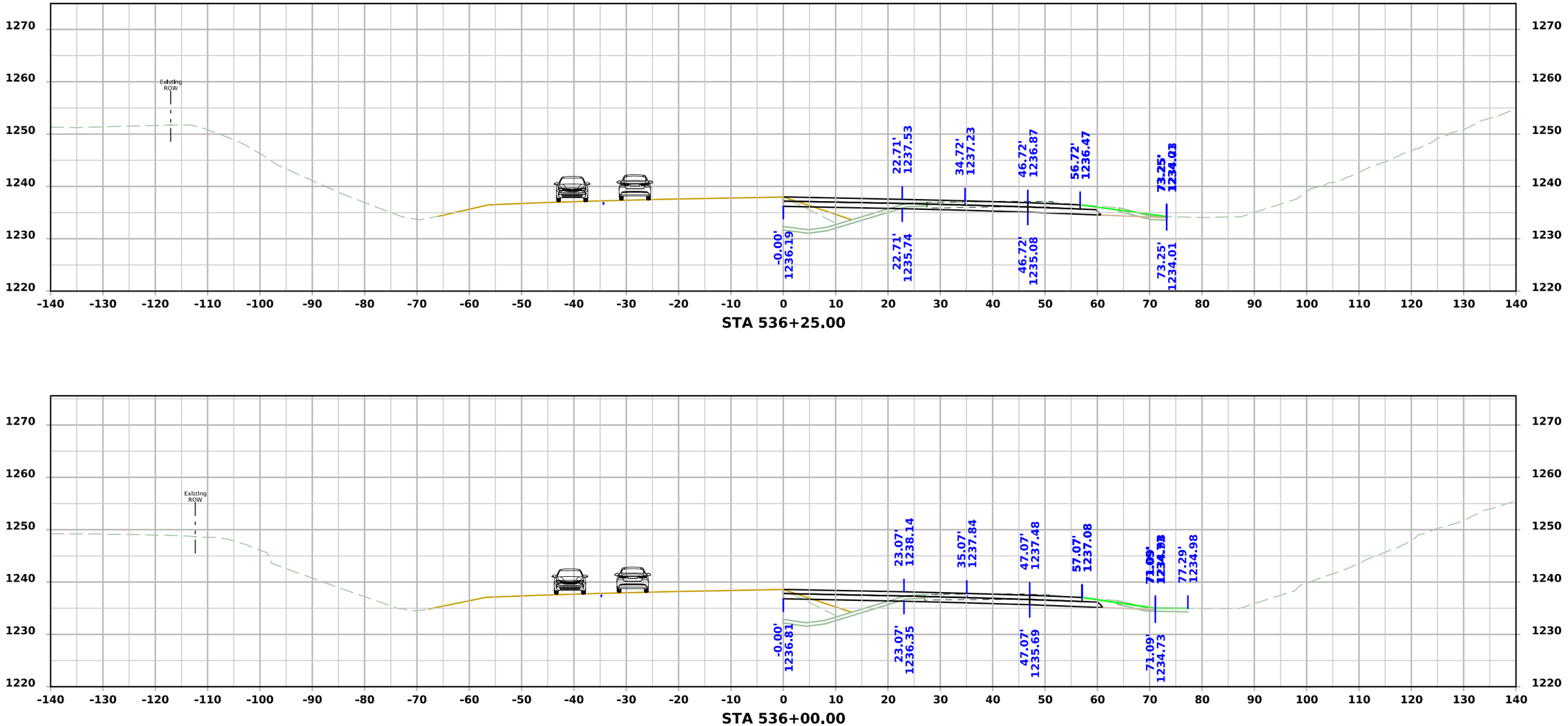
US 59 Stage 4



FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3109

11:56:03 AM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_2_78059056Z06.dgn

US 59 Stage 4



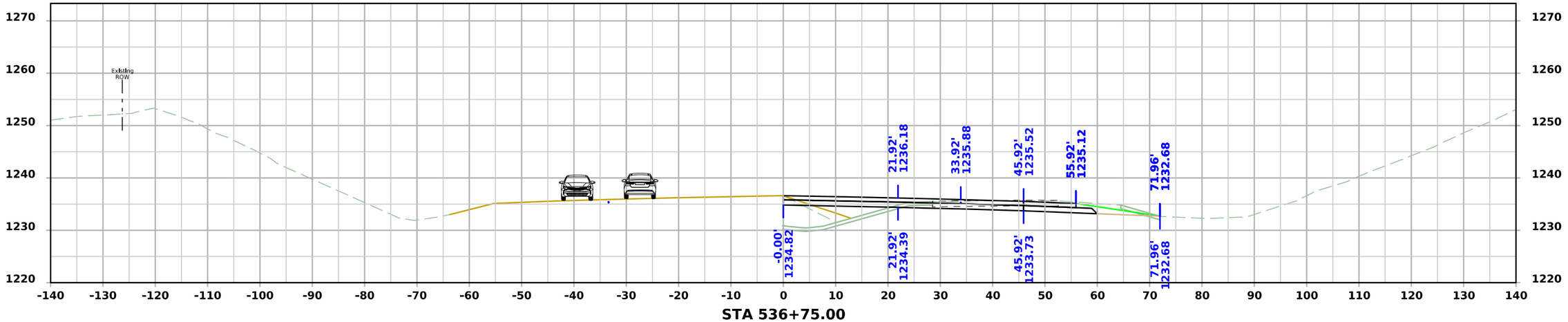
STA 536+25.00

STA 536+00.00

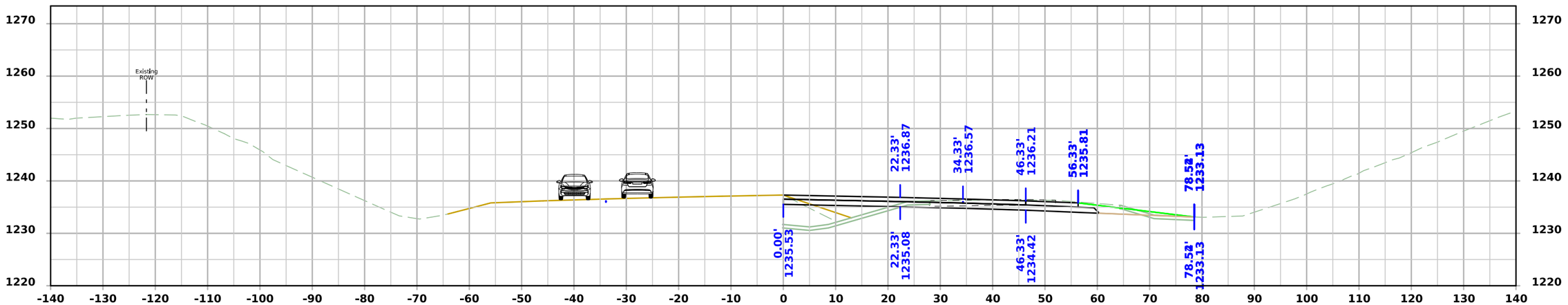
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3110

11:56:08 AM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_2_78059056Z06.dgn

US 59 Stage 4



STA 536+75.00

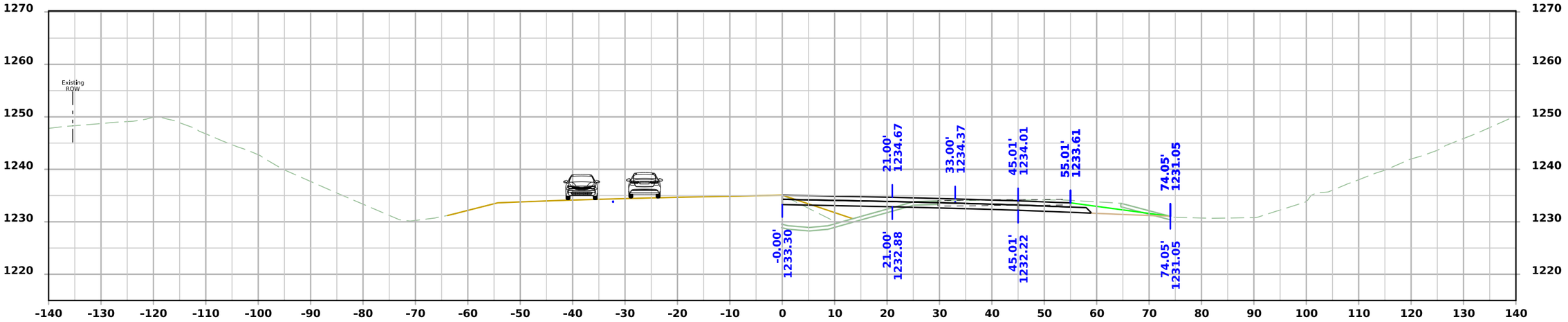


STA 536+50.00

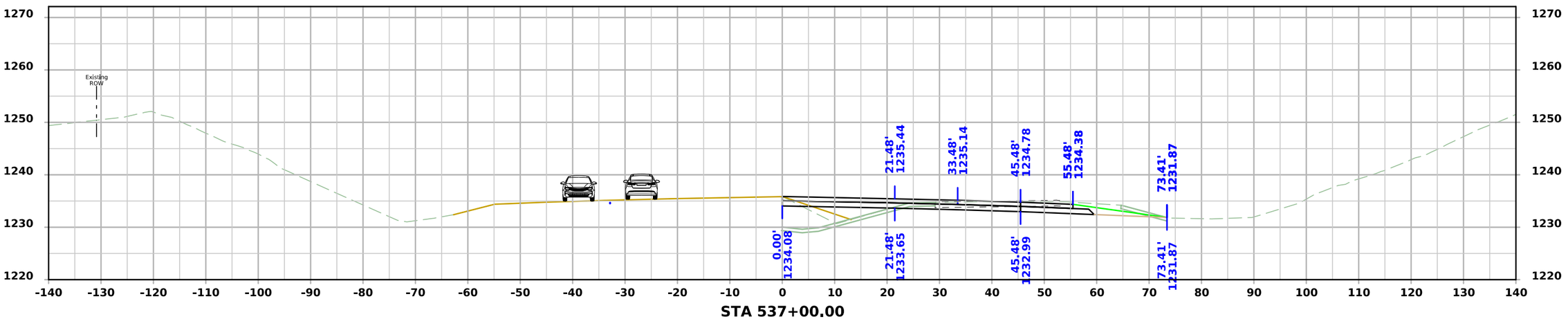
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3111

11:56:13 AM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_2_78059056Z06.dgn

US 59 Stage 4



STA 537+25.00

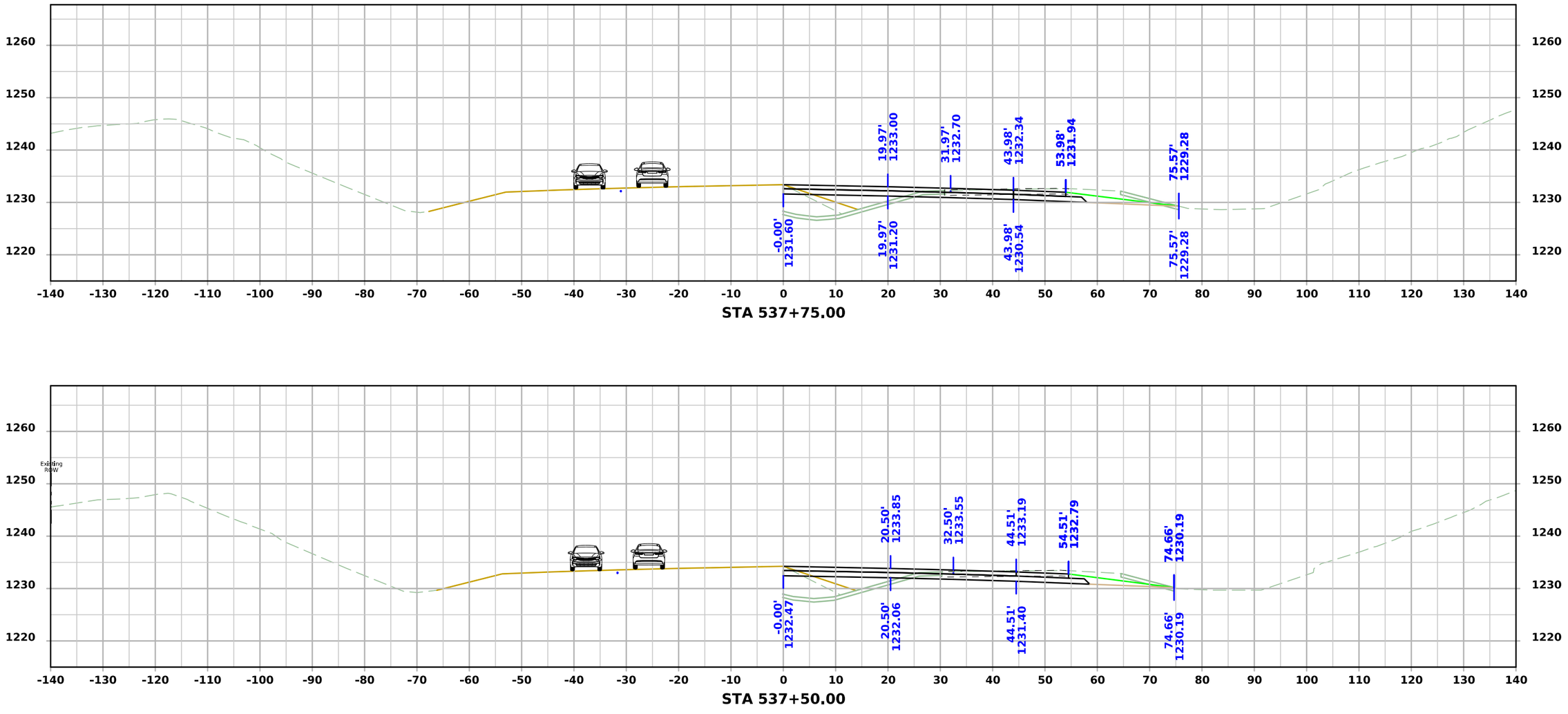


STA 537+00.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3112

11:56:19 AM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_2_78059056Z06.dgn

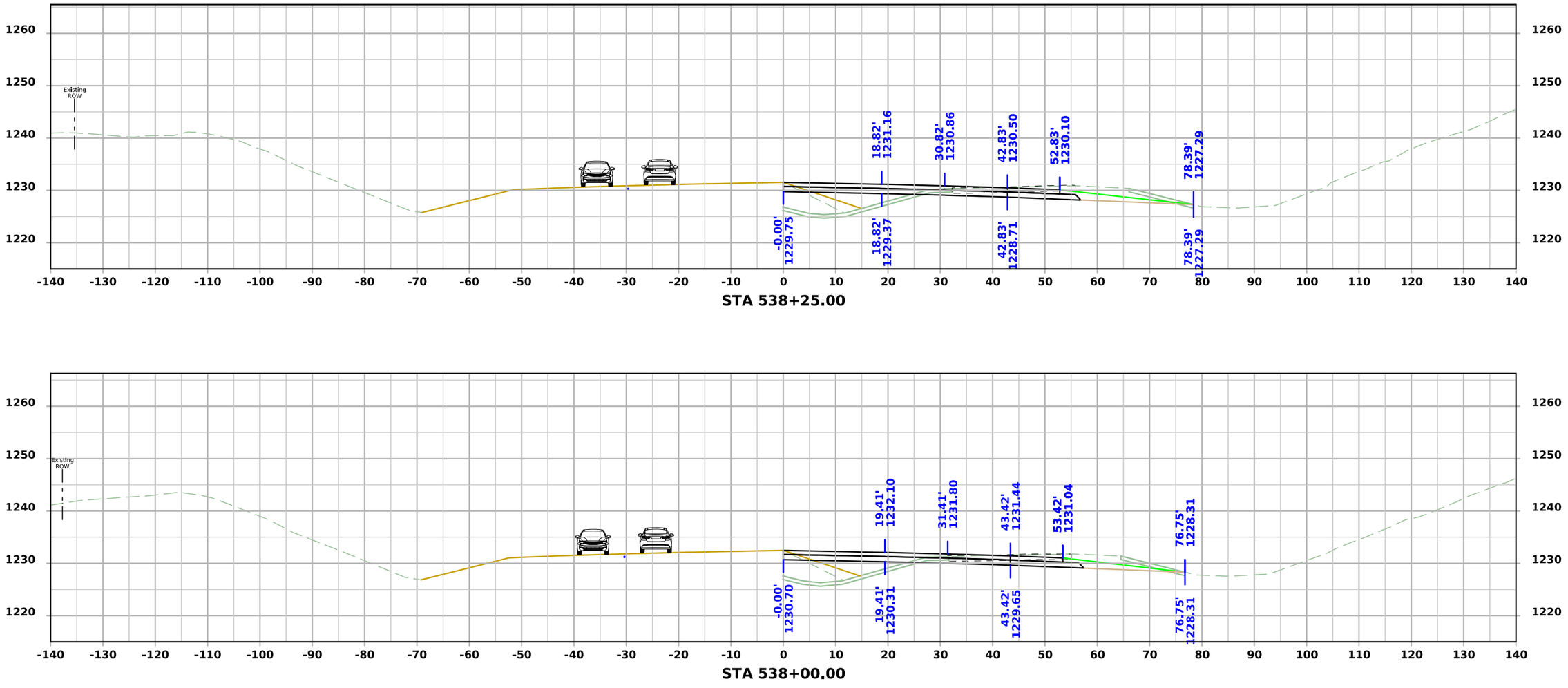
US 59 Stage 4



FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3113

11:56:24 AM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_2_78059056Z06.dgn

US 59 Stage 4



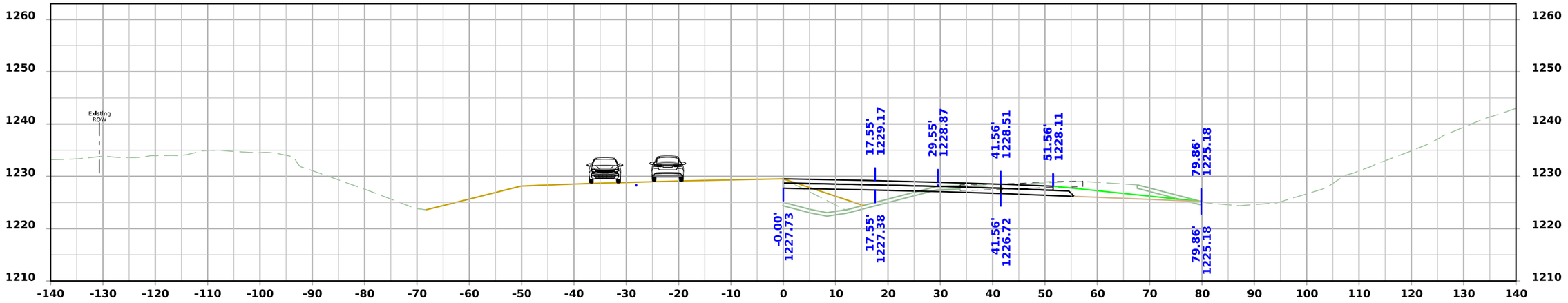
STA 538+25.00

STA 538+00.00

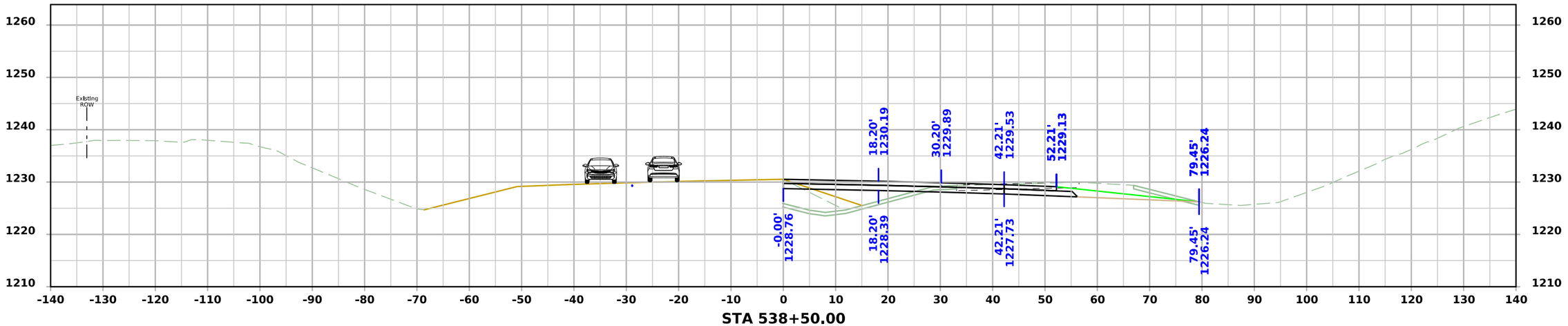
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3114

11:56:30 AM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_2_78059056Z06.dgn

US 59 Stage 4



STA 538+75.00

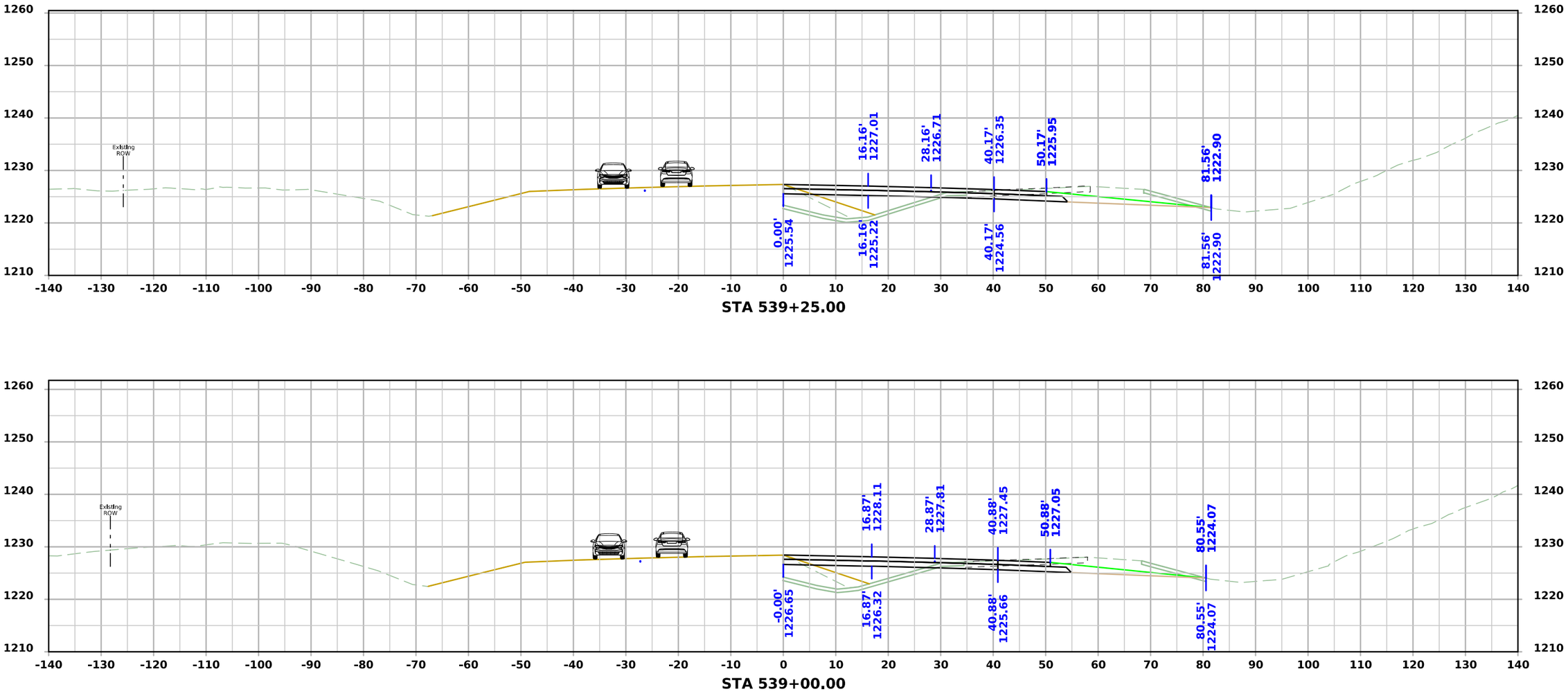


STA 538+50.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3115

11:56:35 AM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_2_78059056Z06.dgn

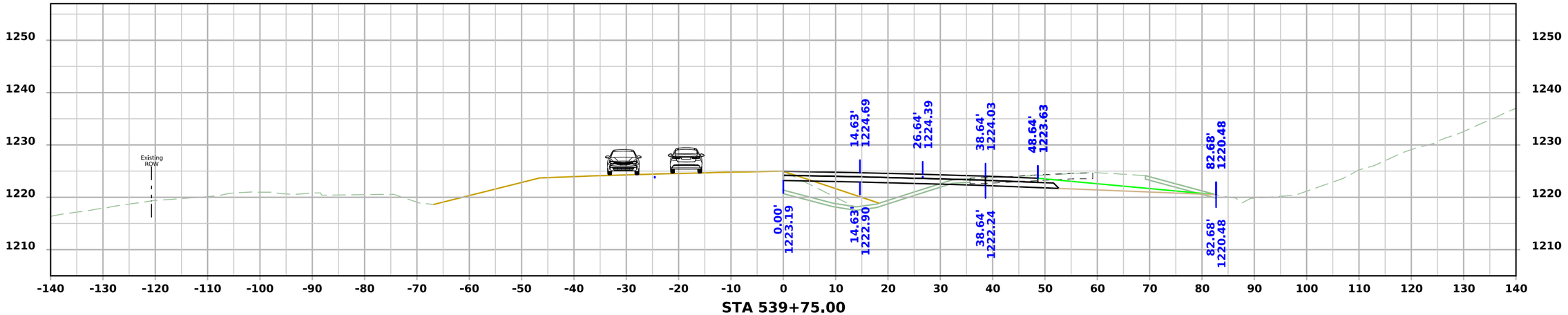
US 59 Stage 4



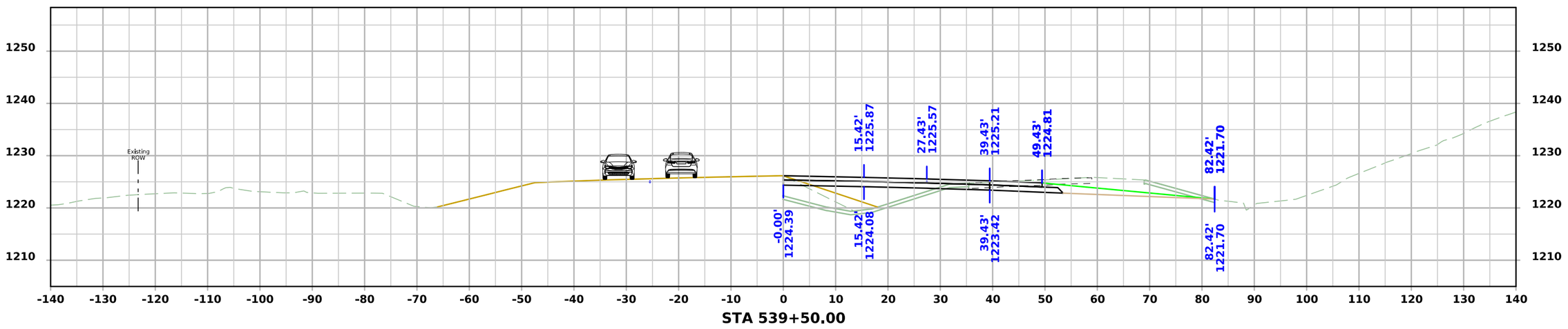
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3116

11:56:41 AM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_2_78059056Z06.dgn

US 59 Stage 4



STA 539+75.00

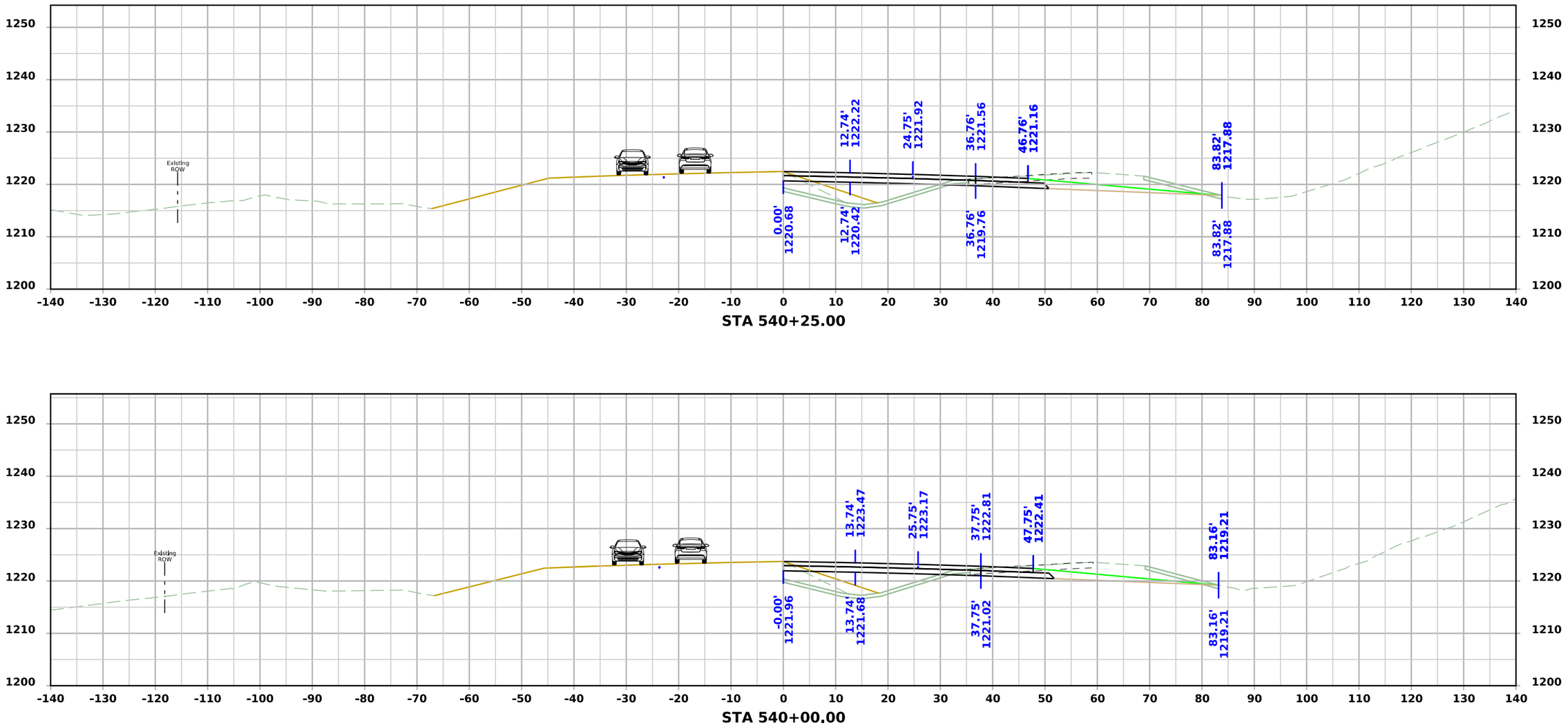


STA 539+50.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3117

11:56:47 AM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_2_78059056Z06.dgn

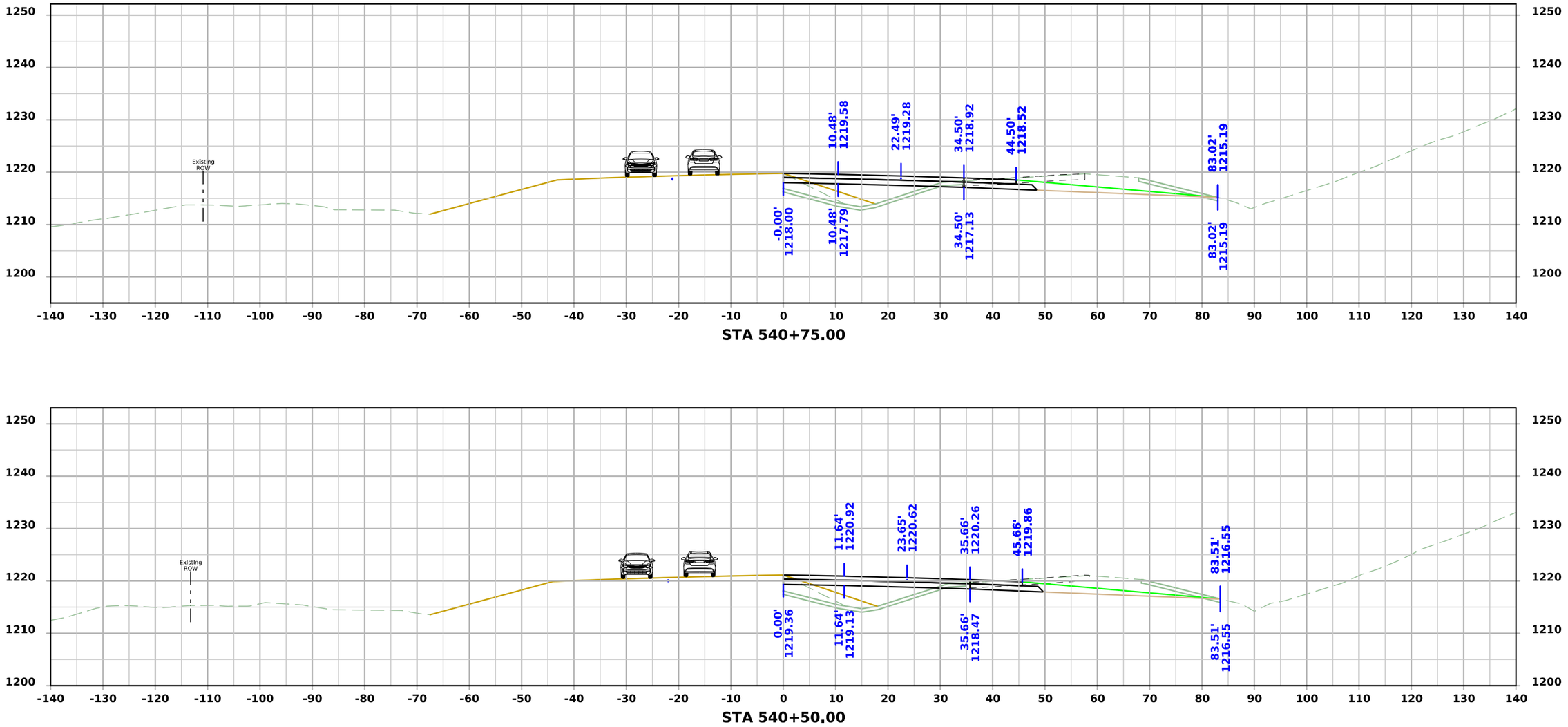
US 59 Stage 4



FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3118

11:56:53 AM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_2_78059056Z06.dgn

US 59 Stage 4



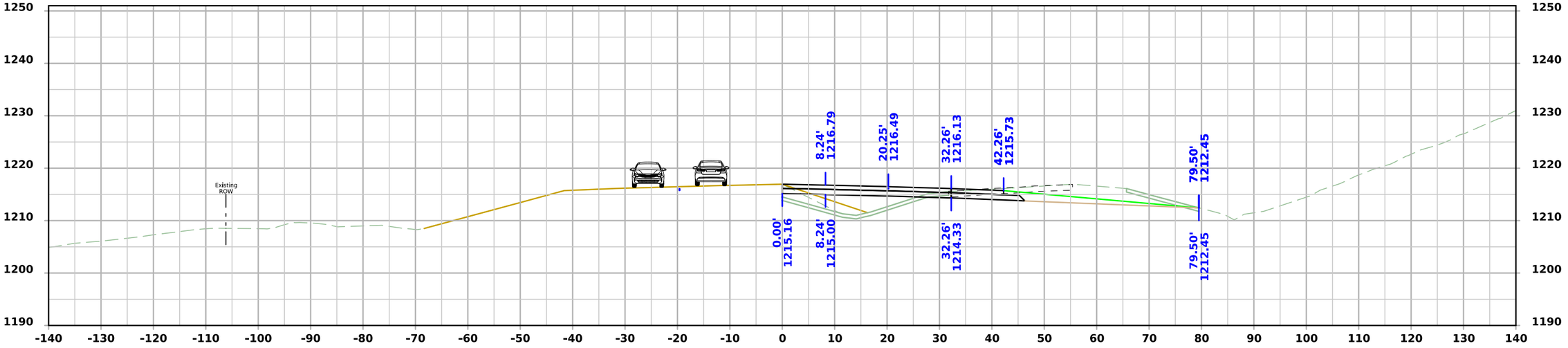
STA 540+75.00

STA 540+50.00

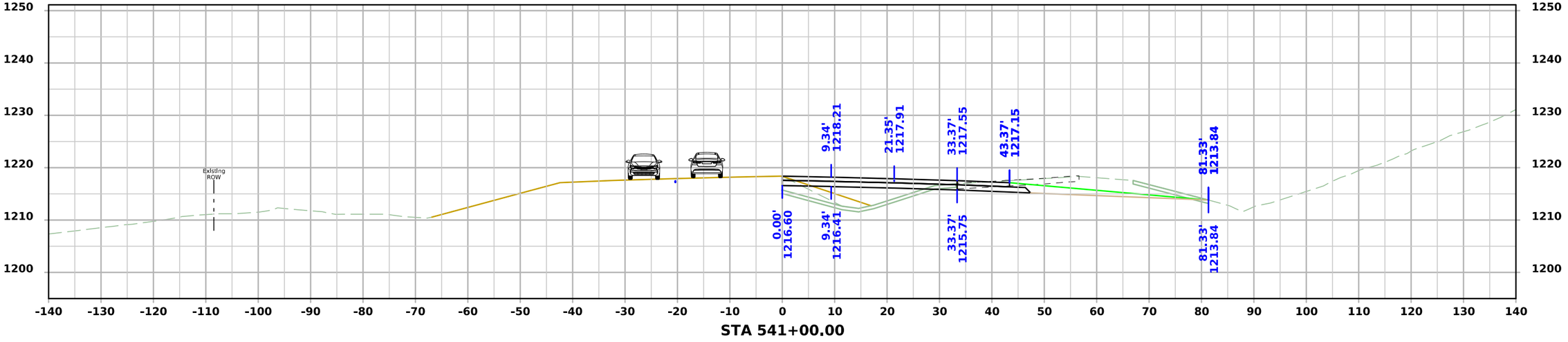
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3119

11:56:59 AM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_2_78059056Z06.dgn

US 59 Stage 4



STA 541+25.00

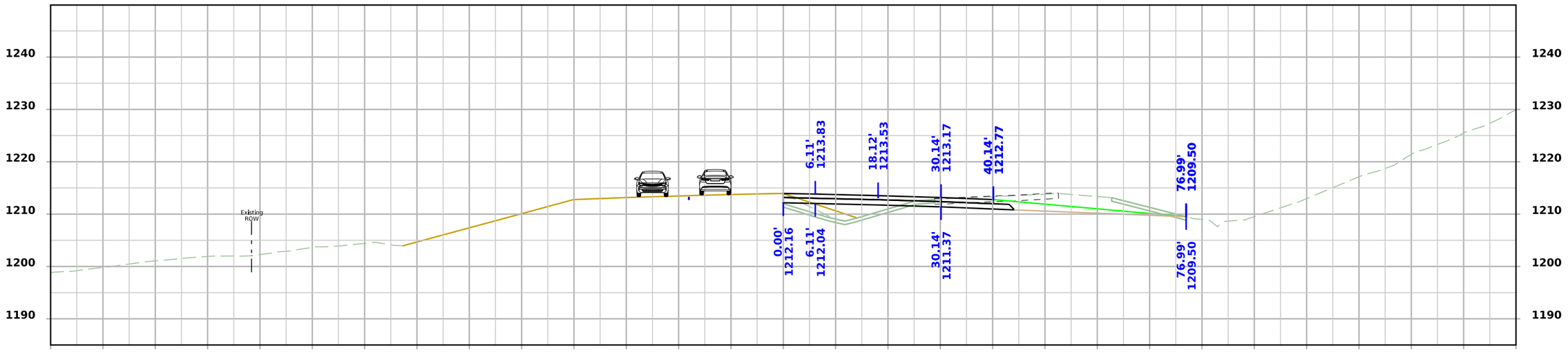


STA 541+00.00

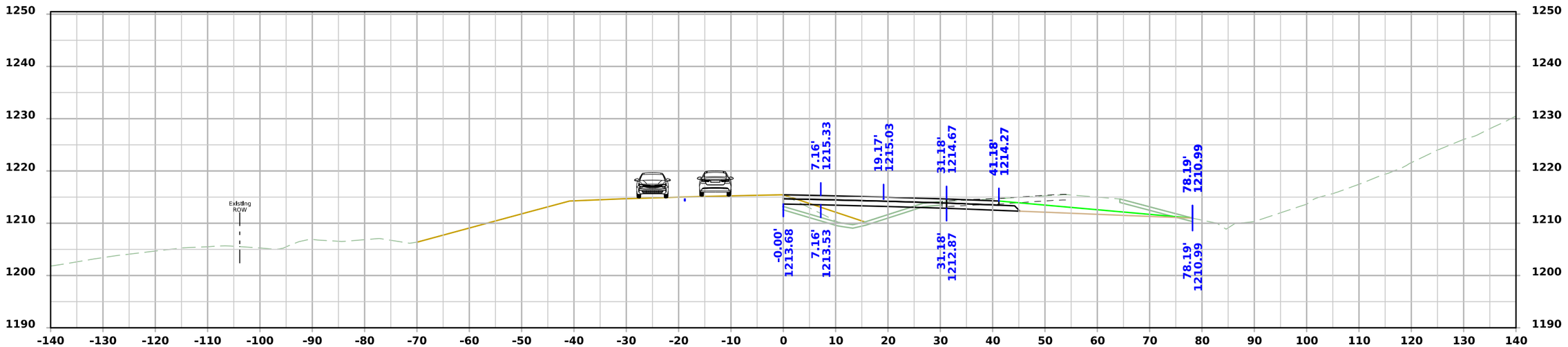
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3120

11:57:05 AM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_2_78059056Z06.dgn

US 59 Stage 4



STA 541+75.00

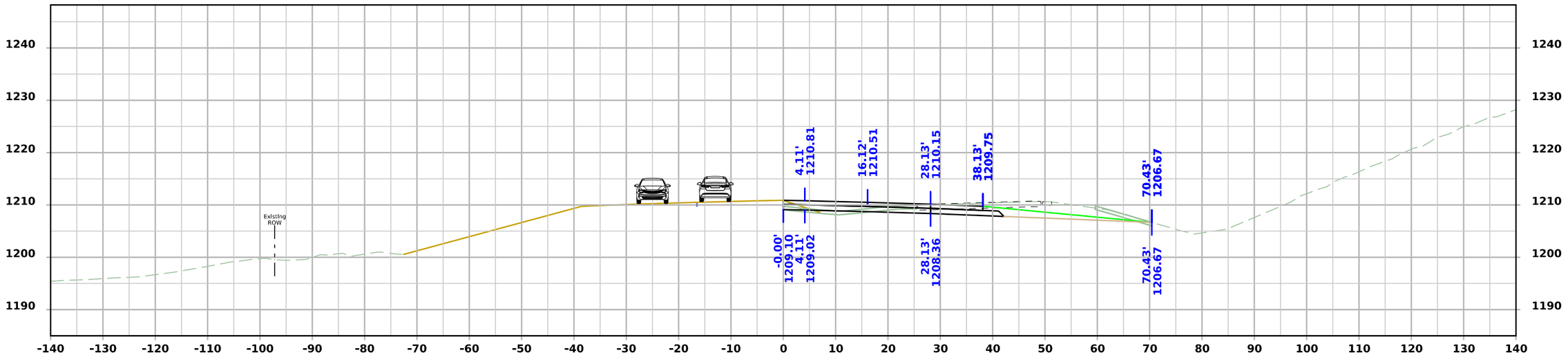


STA 541+50.00

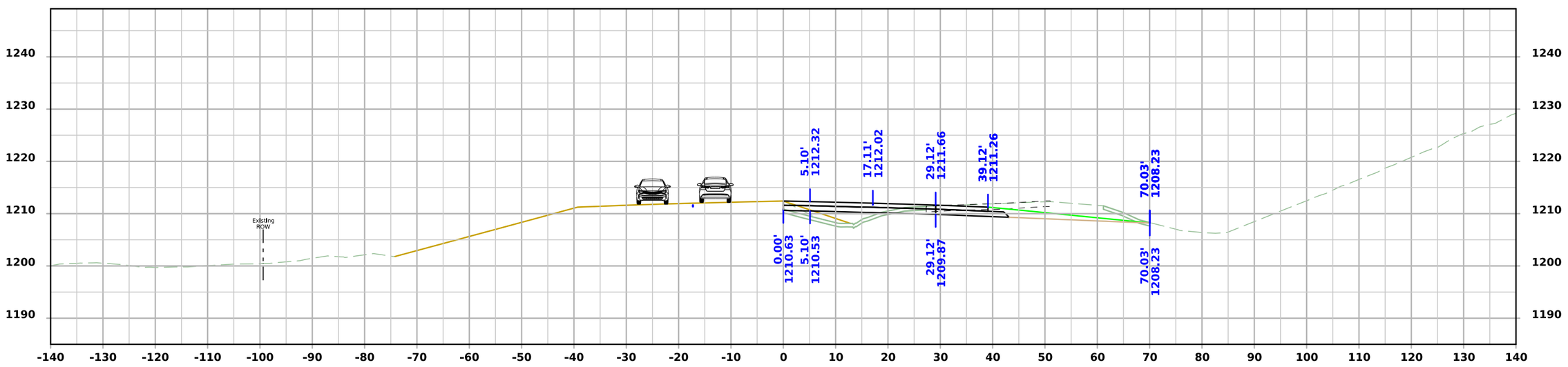
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3121

11:57:10 AM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_2_78059056Z06.dgn

US 59 Stage 4



STA 542+25.00

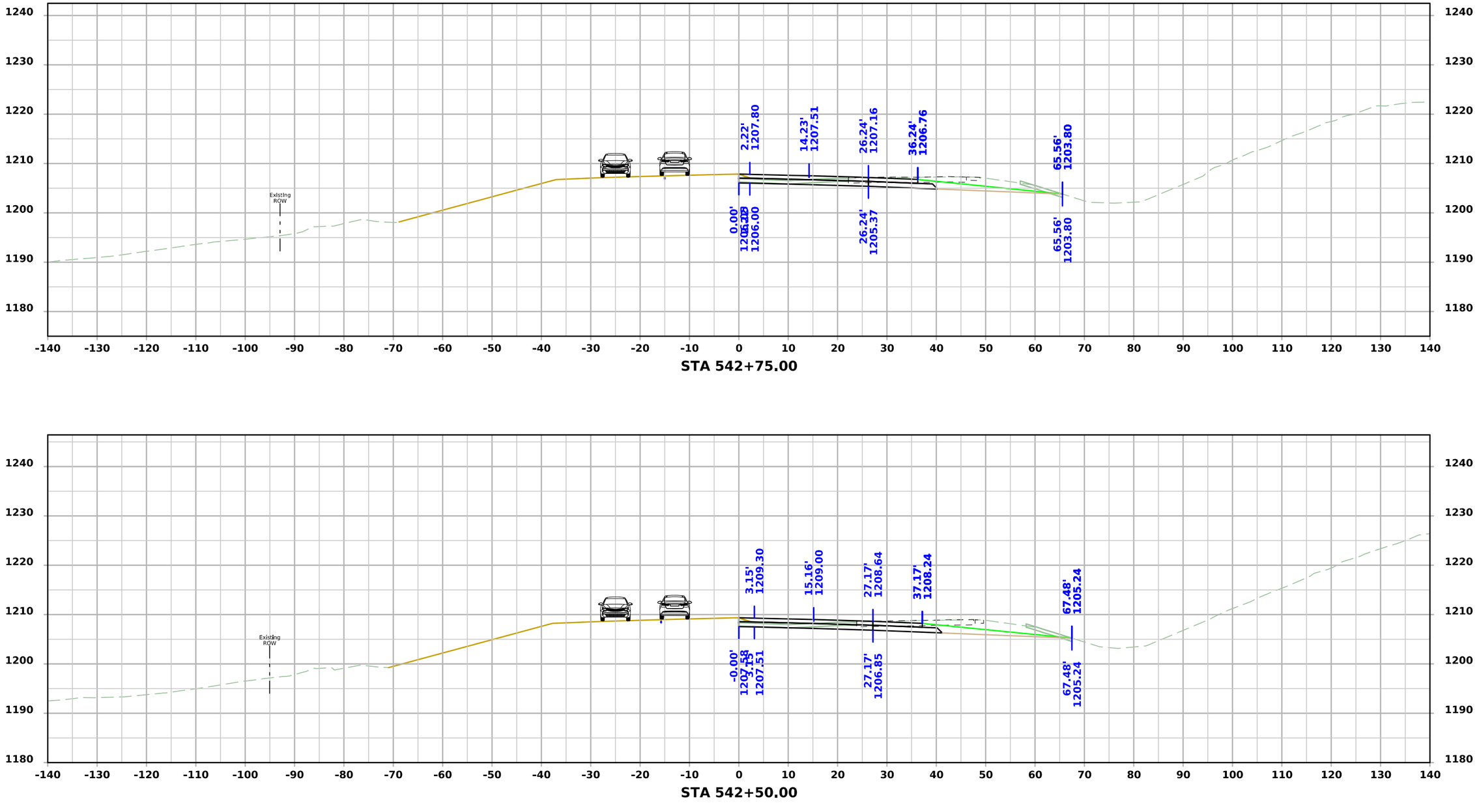


STA 542+00.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3122

11:57:16 AM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_2_78059056Z06.dgn

US 59 Stage 4



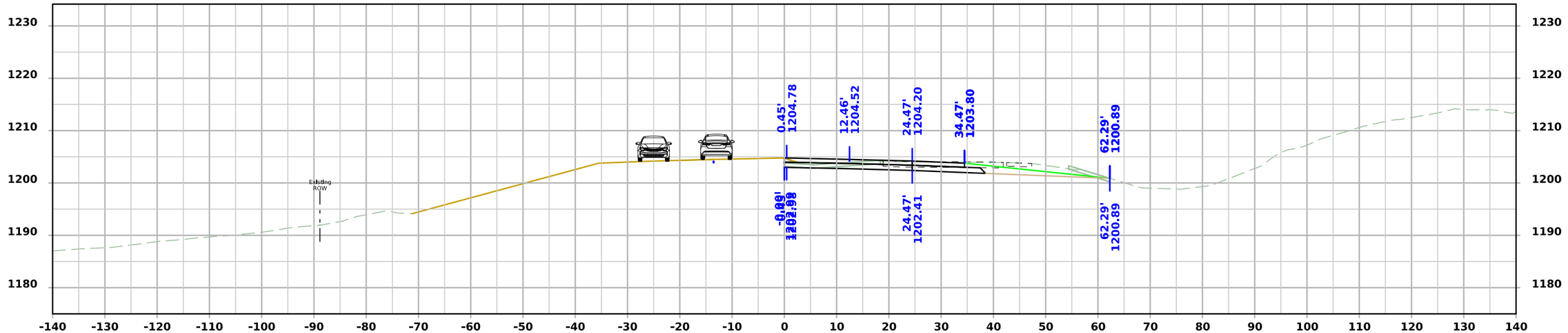
STA 542+75.00

STA 542+50.00

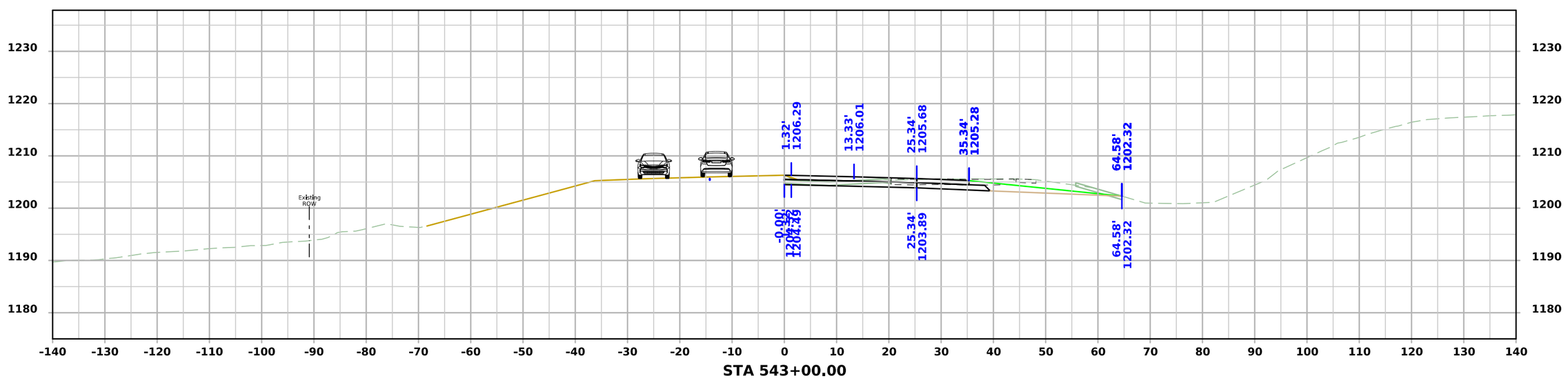
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3123

11:57:22 AM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_2_78059056Z06.dgn

US 59 Stage 4



STA 543+25.00

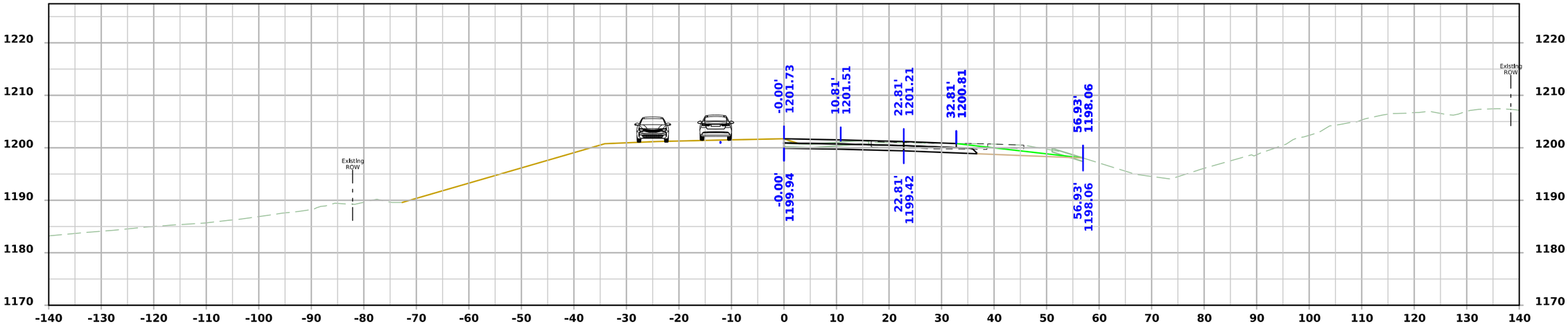


STA 543+00.00

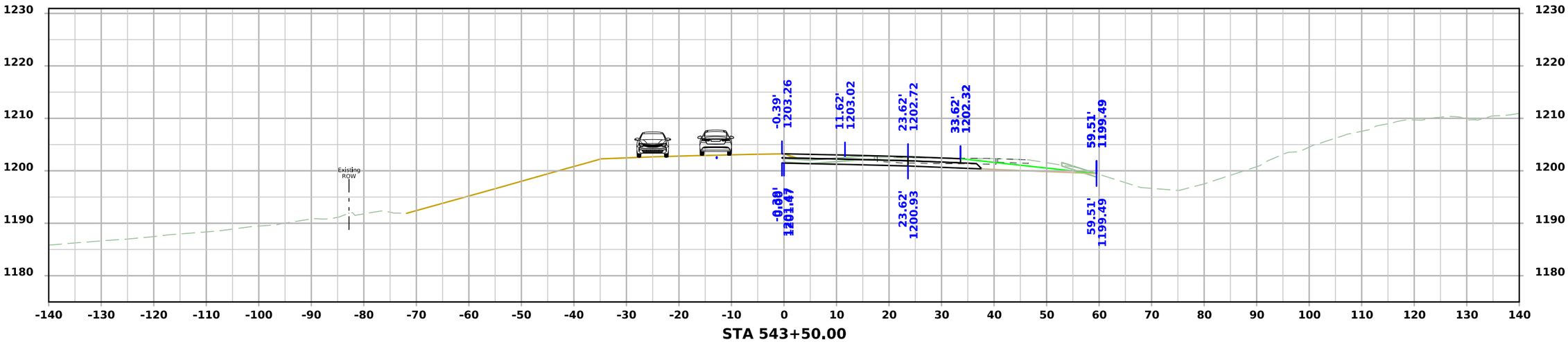
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3124

11:57:27 AM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_2_78059056Z06.dgn

US 59 Stage 4



STA 543+75.00

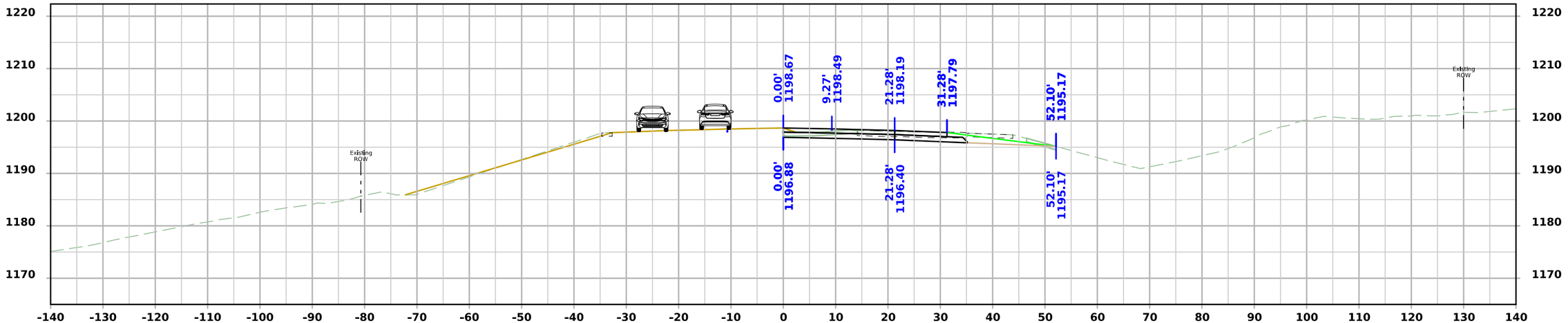


STA 543+50.00

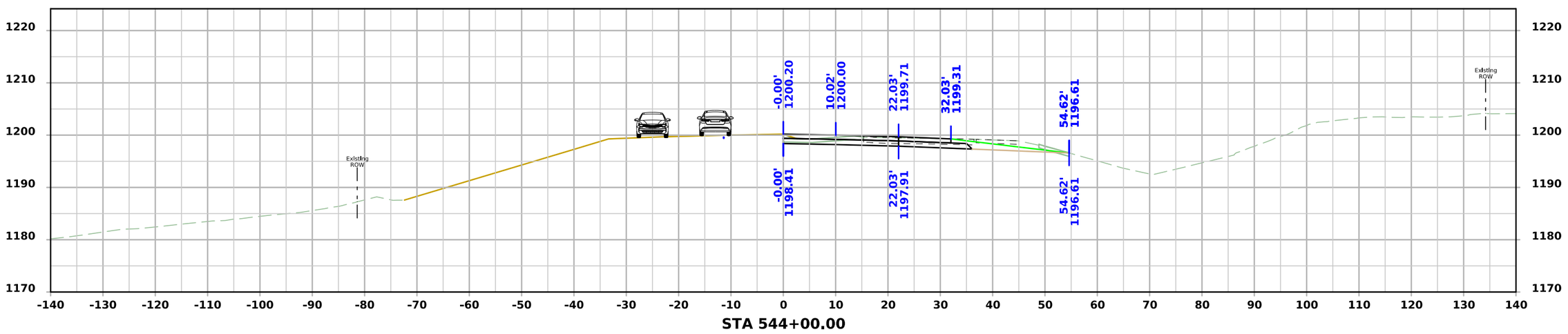
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3125

11:57:33 AM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_2_78059056Z06.dgn

US 59 Stage 4



STA 544+25.00

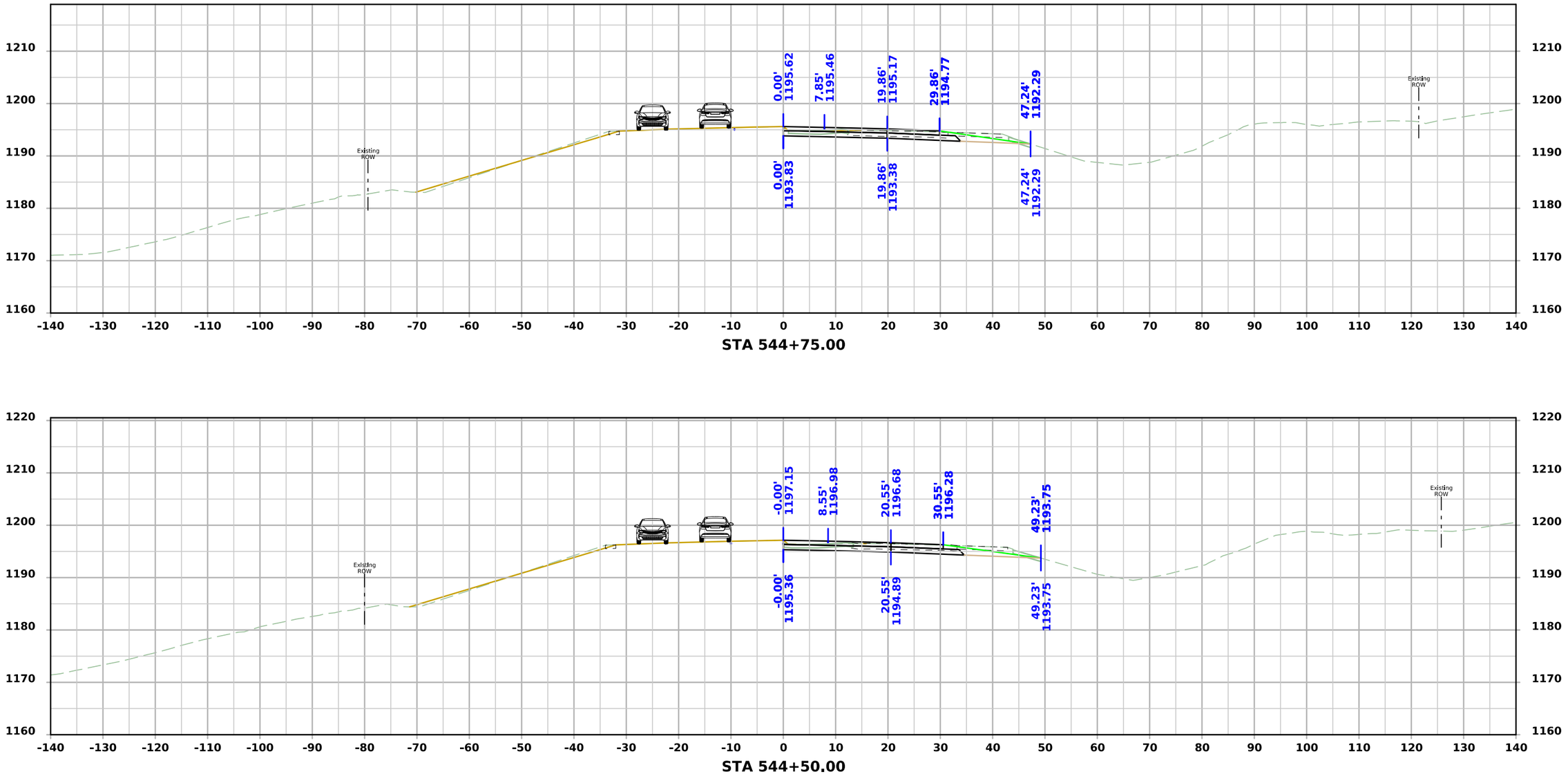


STA 544+00.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3126

11:57:39 AM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_2_78059056Z06.dgn

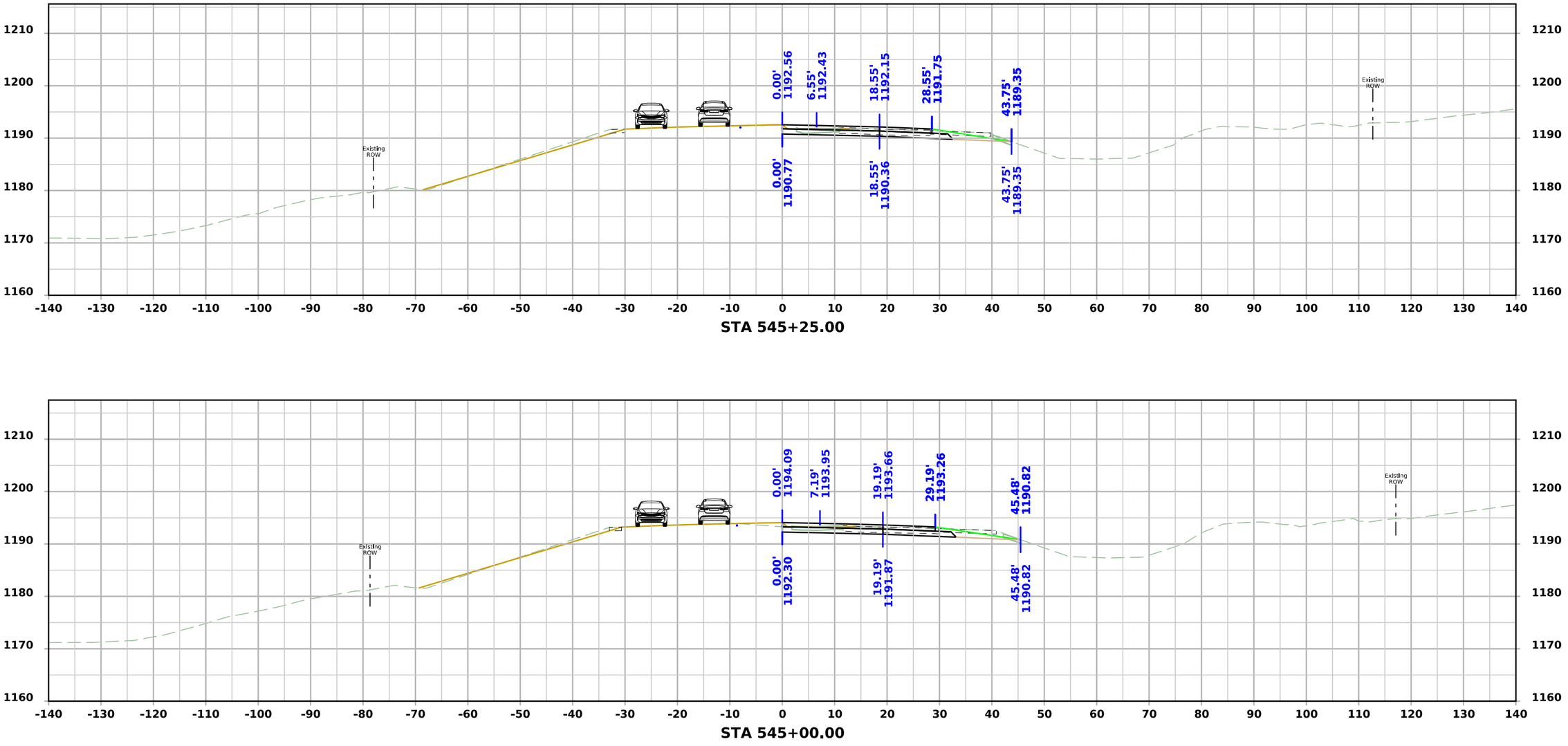
US 59 Stage 4



FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3127

11:57:45 AM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_2_78059056Z06.dgn

US 59 Stage 4



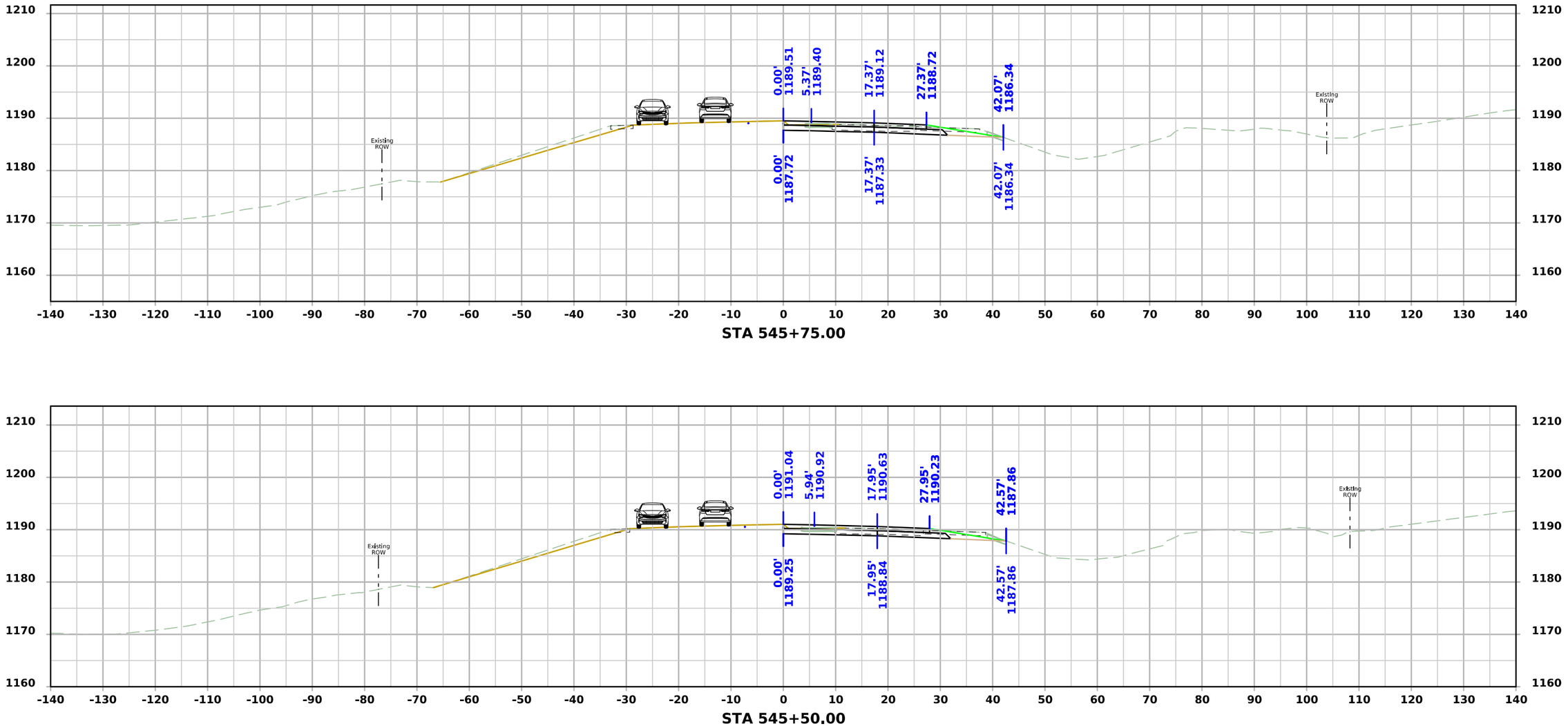
STA 545+25.00

STA 545+00.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3128

11:57:50 AM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_2_78059056Z06.dgn

US 59 Stage 4



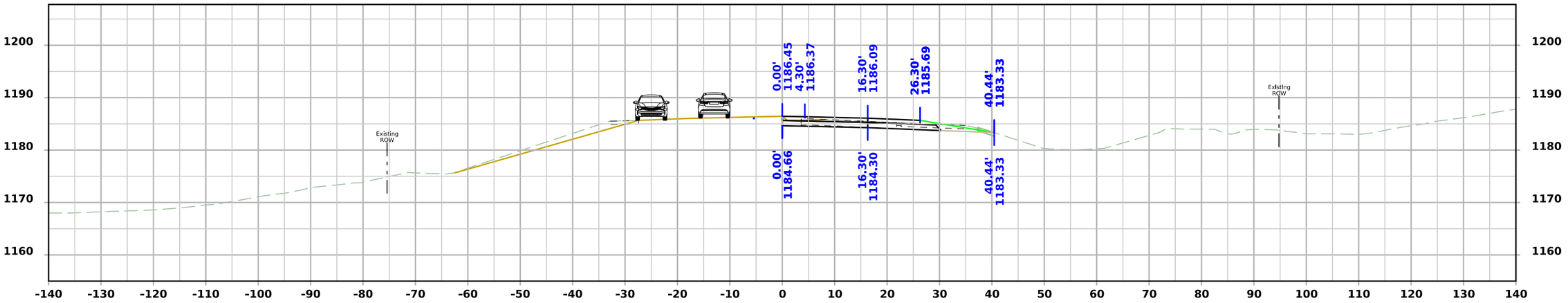
STA 545+75.00

STA 545+50.00

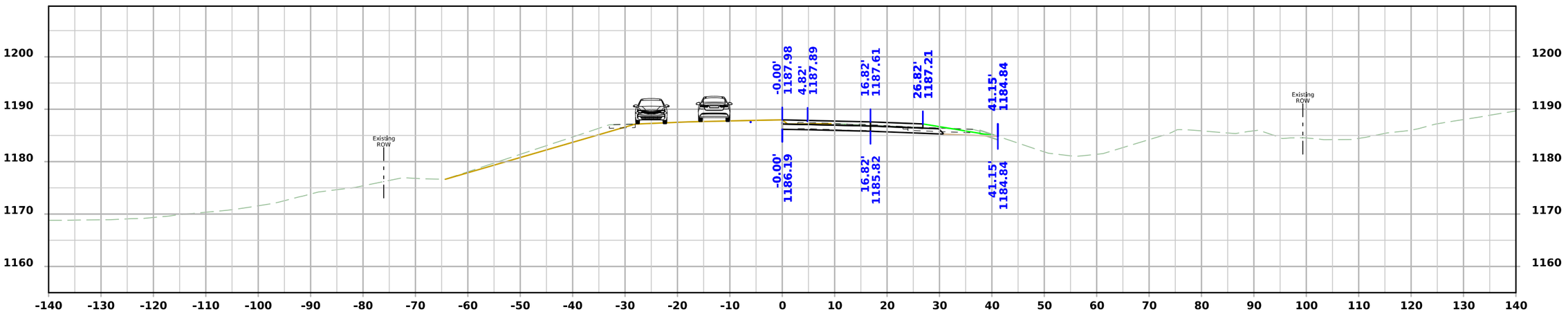
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3129

11:57:55 AM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_2_78059056Z06.dgn

US 59 Stage 4



STA 546+25.00

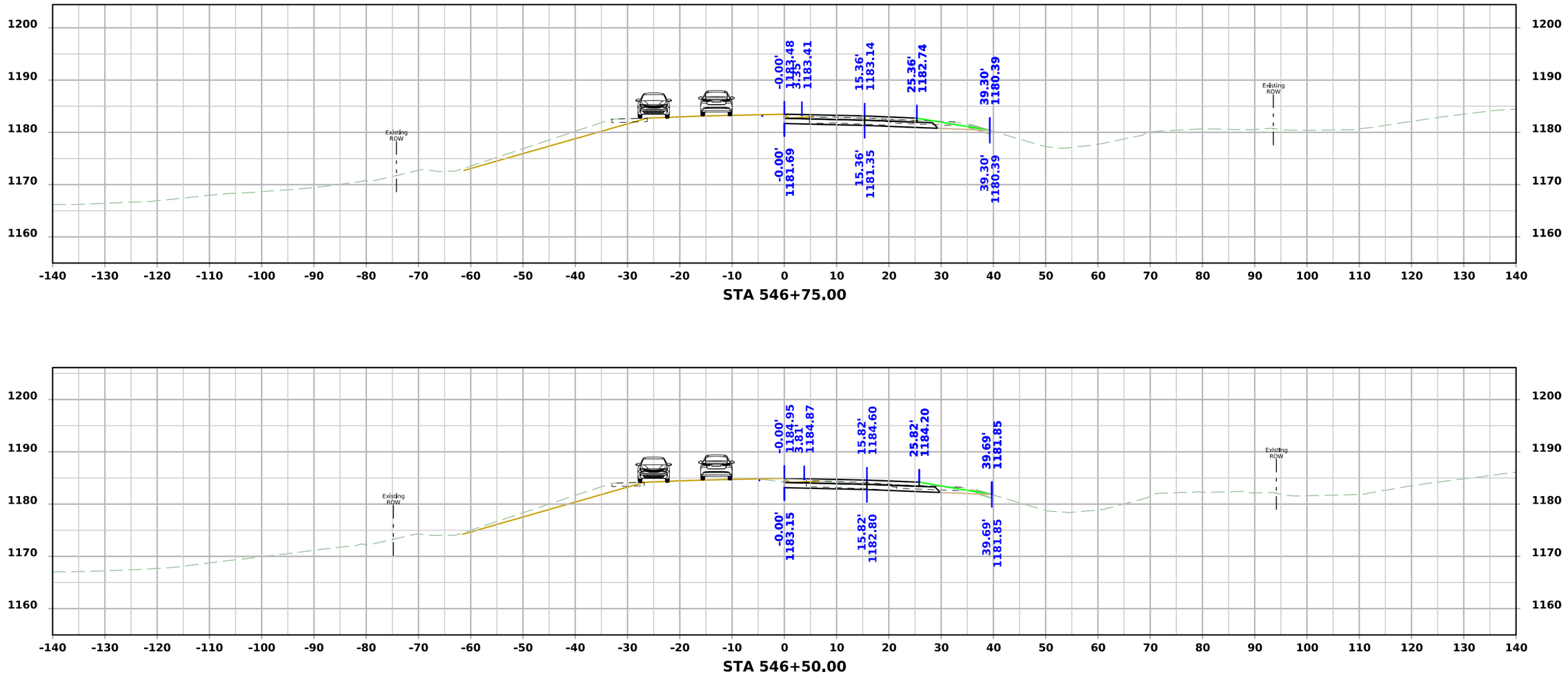


STA 546+00.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3130

11:58:01 AM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_2_78059056Z06.dgn

US 59 Stage 4



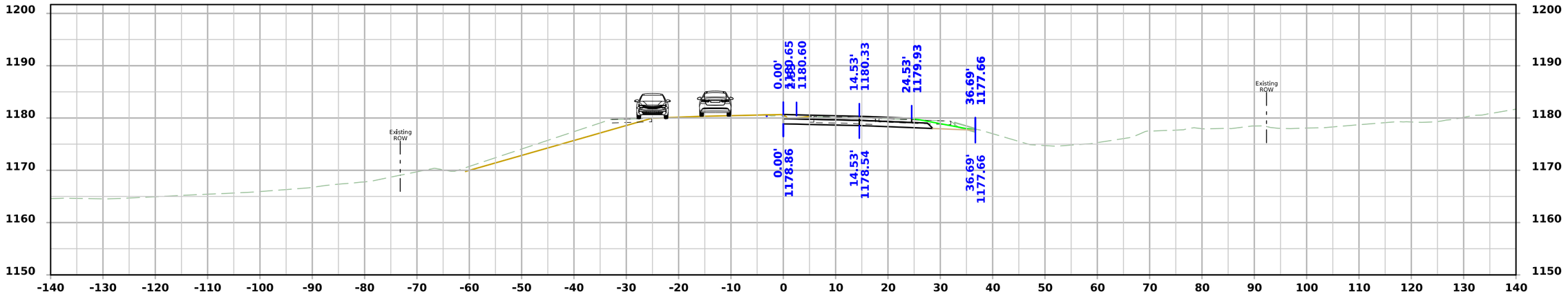
STA 546+75.00

STA 546+50.00

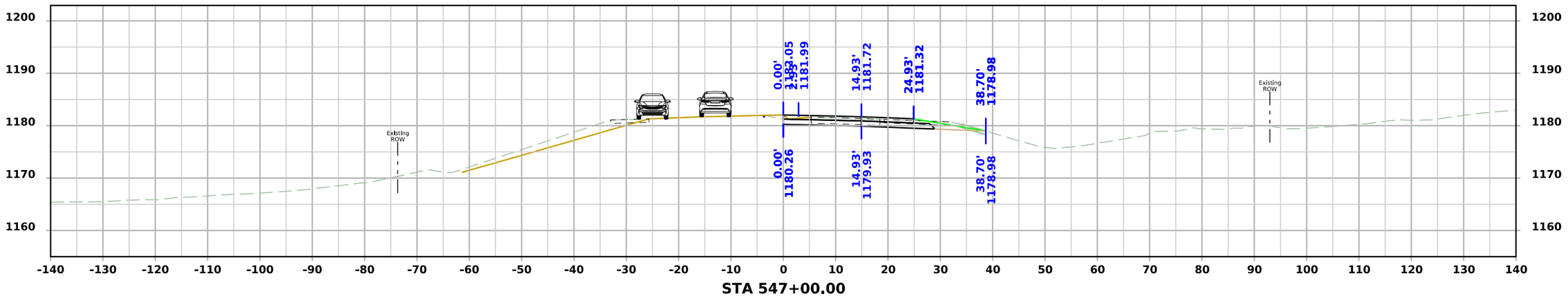
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3131

11:58:06 AM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_2_78059056Z06.dgn

US 59 Stage 4



STA 547+25.00

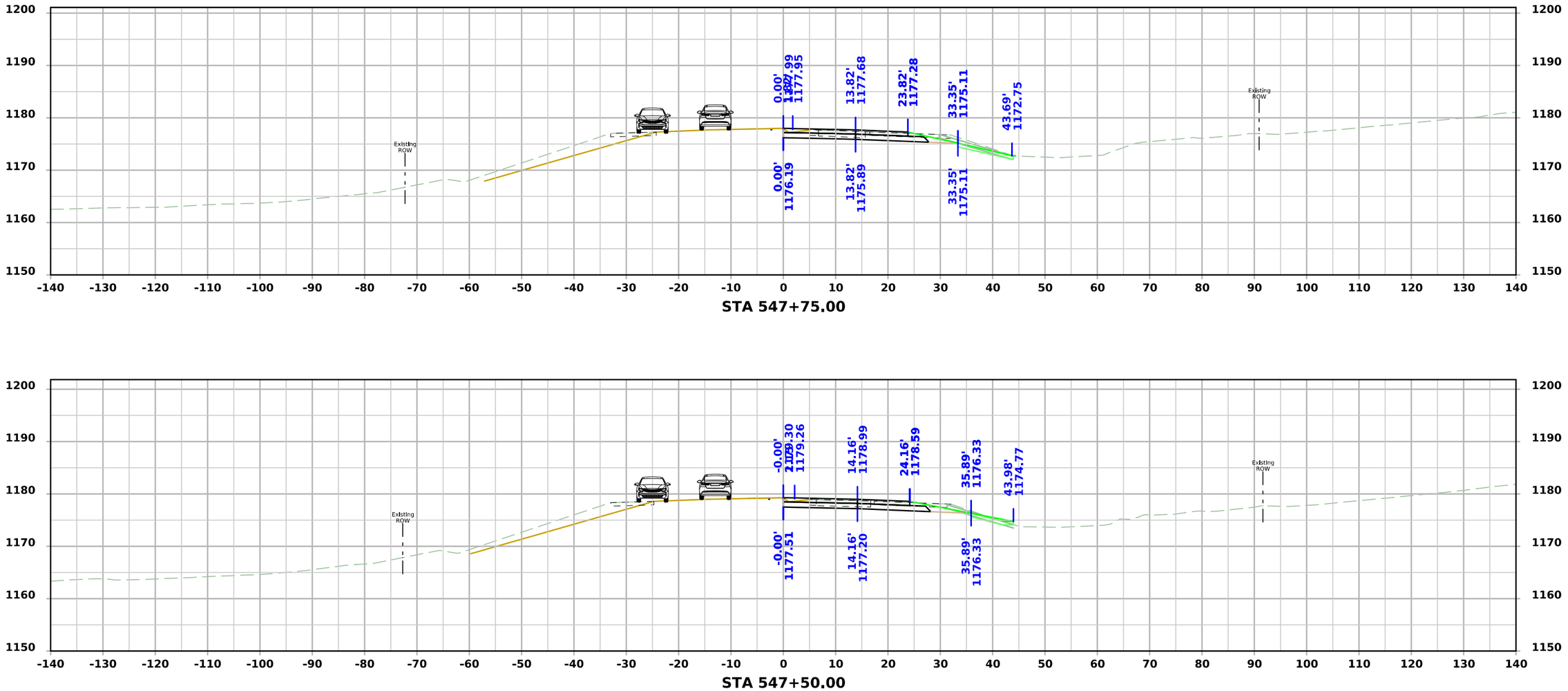


STA 547+00.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3132

11:58:11 AM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_2_78059056Z06.dgn

US 59 Stage 4



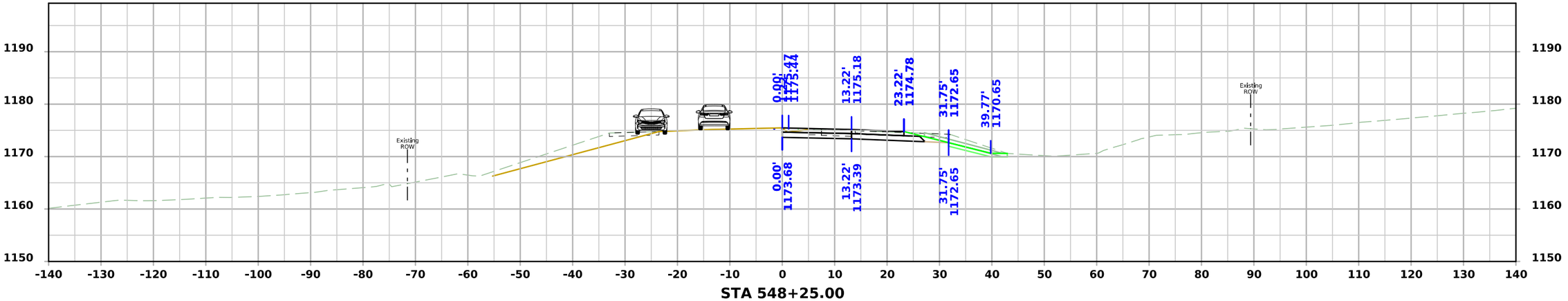
STA 547+75.00

STA 547+50.00

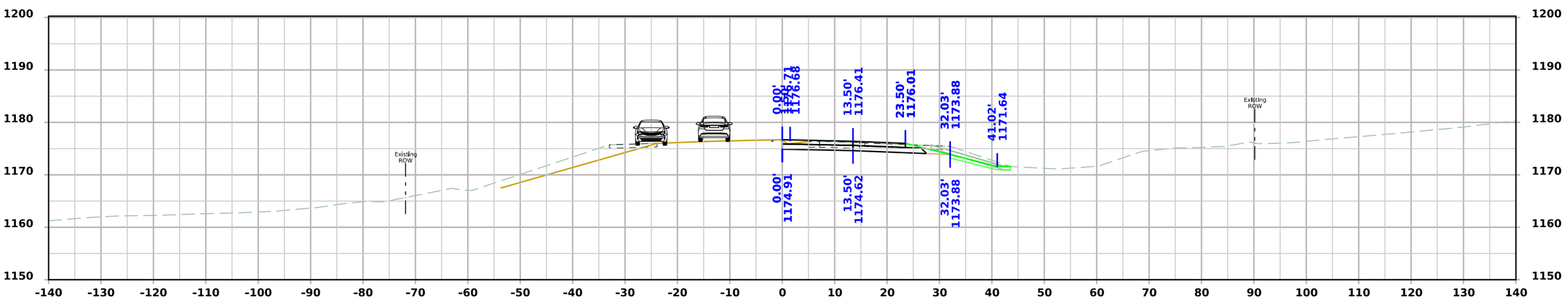
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3133

11:58:16 AM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_2_78059056Z06.dgn

US 59 Stage 4



STA 548+25.00

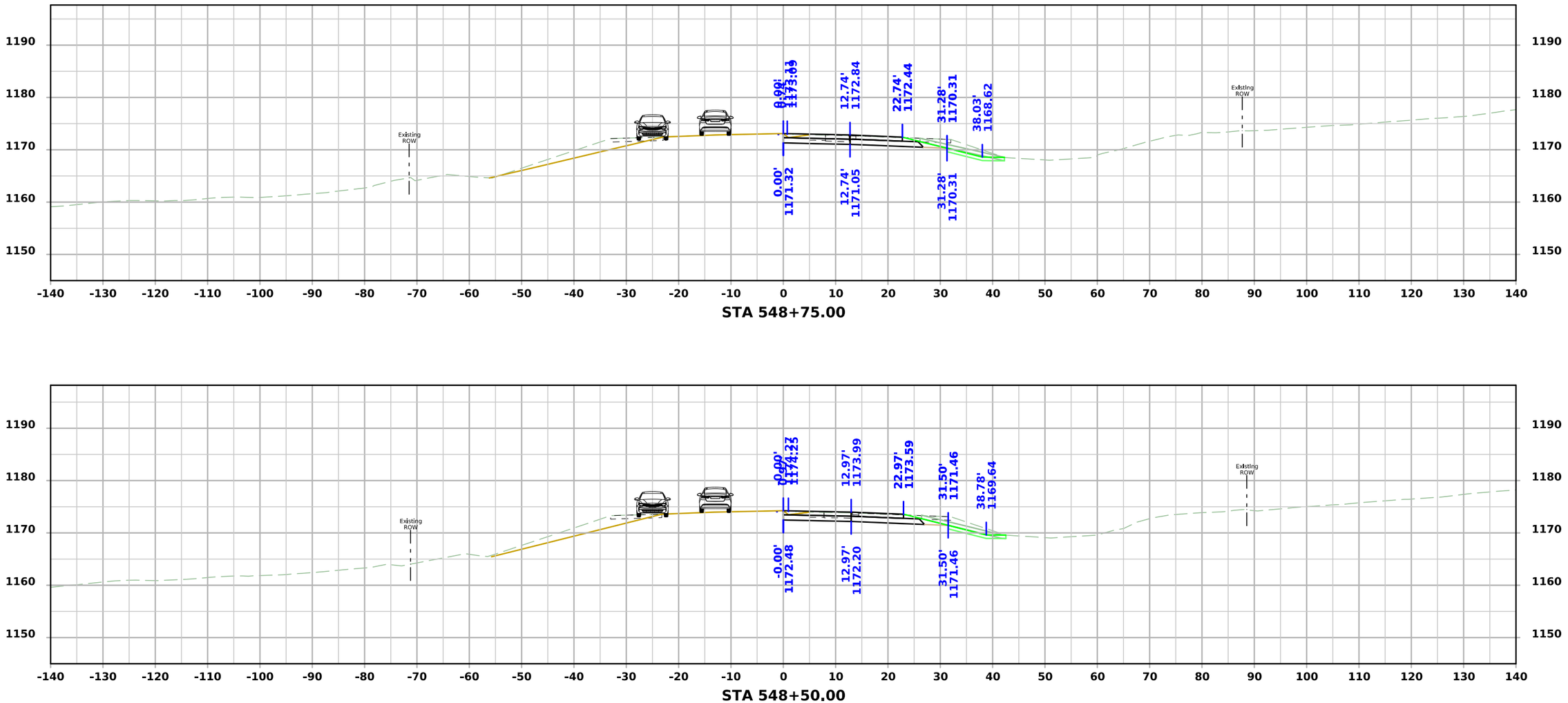


STA 548+00.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3134

11:58:20 AM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_2_78059056Z06.dgn

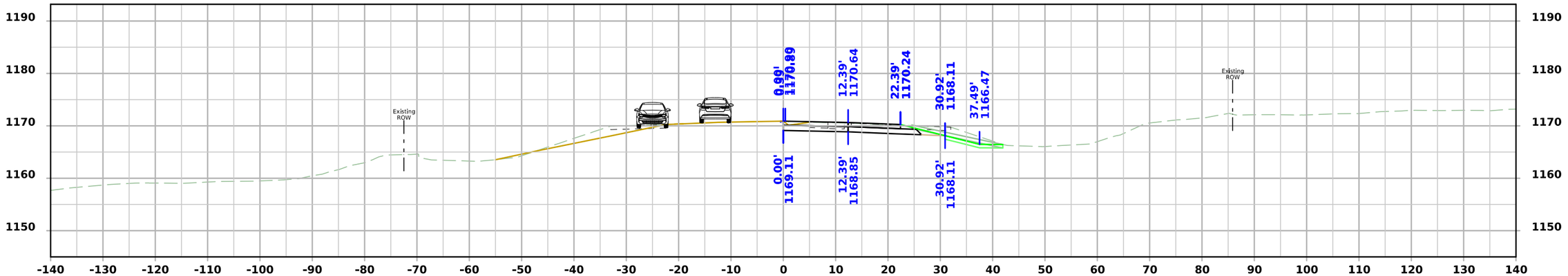
US 59 Stage 4



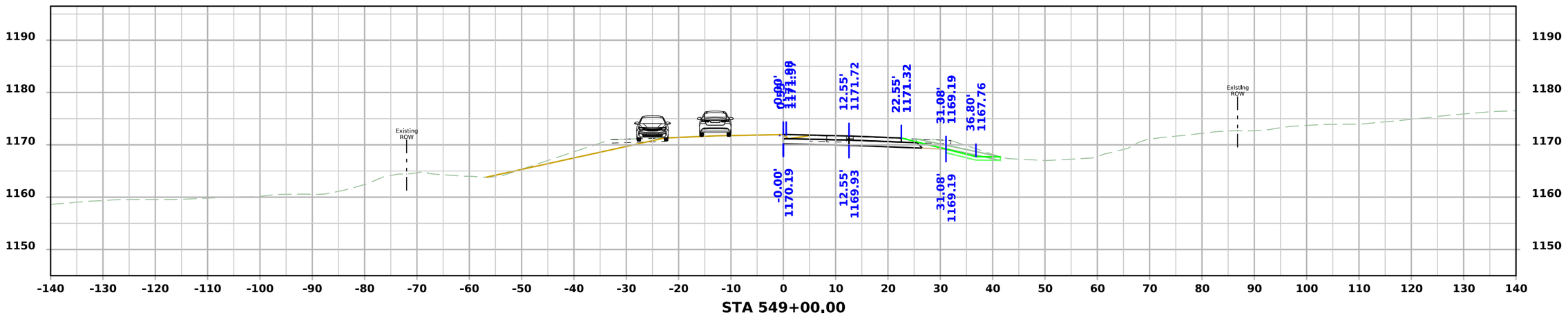
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3135

11:58:25 AM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_2_78059056Z06.dgn

US 59 Stage 4



STA 549+25.00

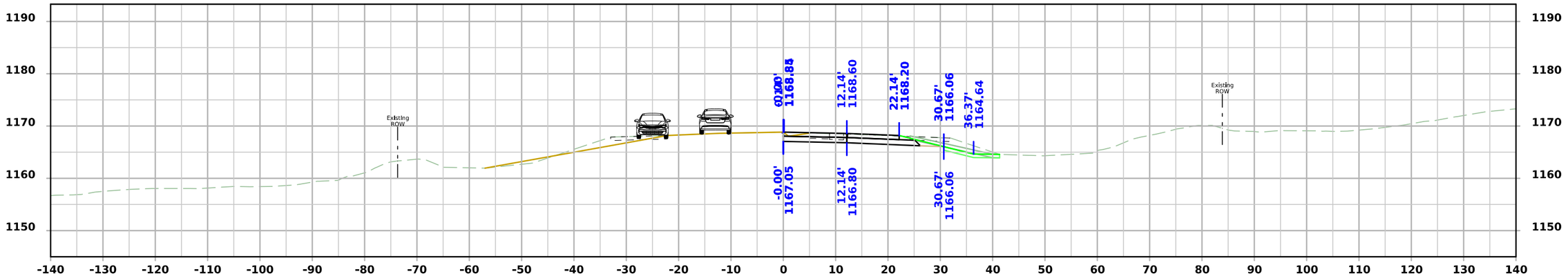


STA 549+00.00

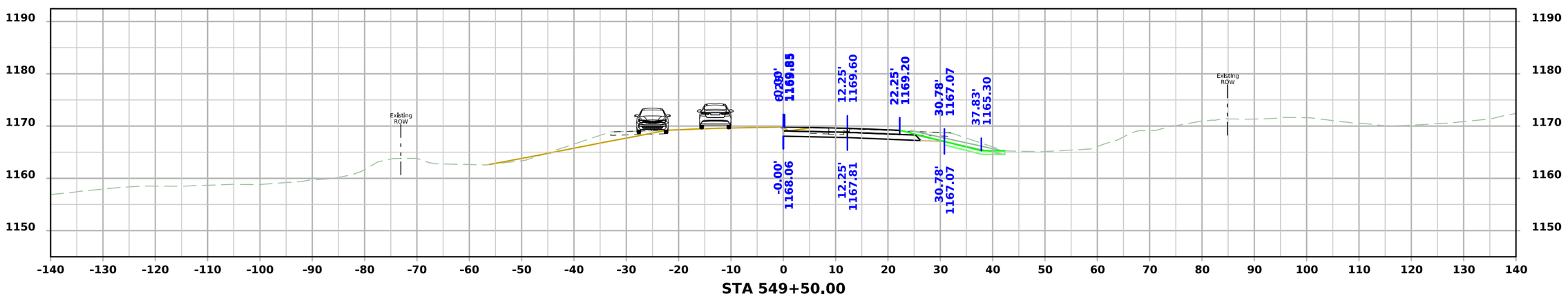
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3136

11:58:30 AM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_2_78059056Z06.dgn

US 59 Stage 4



STA 549+75.00

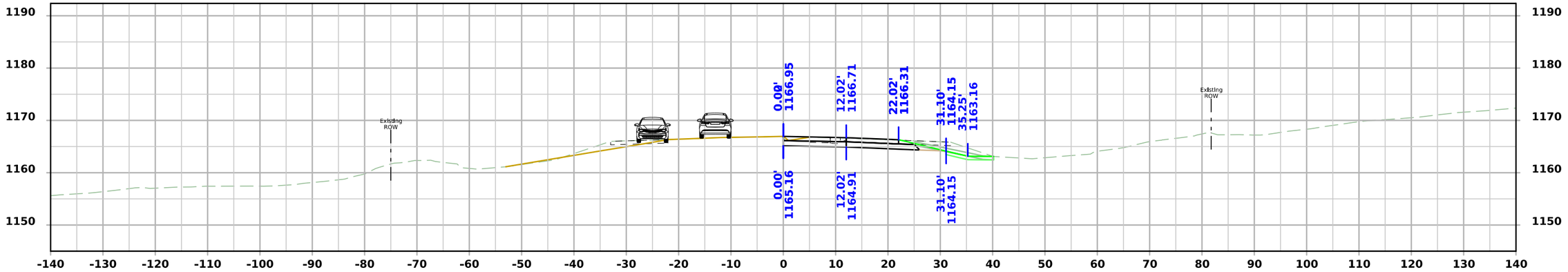


STA 549+50.00

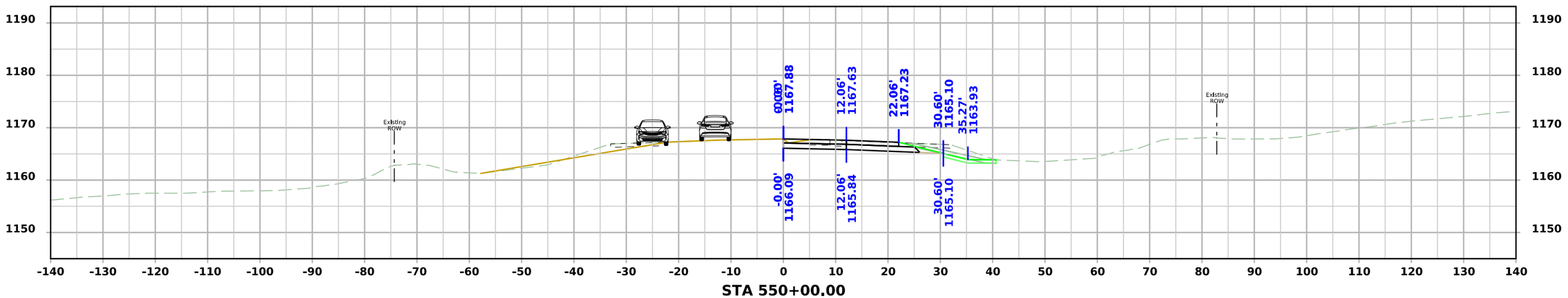
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3137

11:58:34 AM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_2_78059056Z06.dgn

US 59 Stage 4



STA 550+25.00

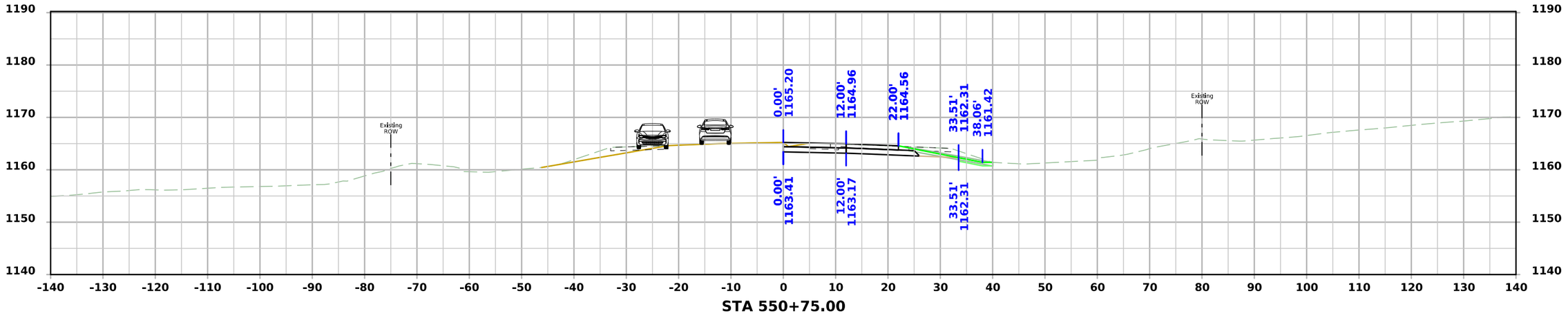


STA 550+00.00

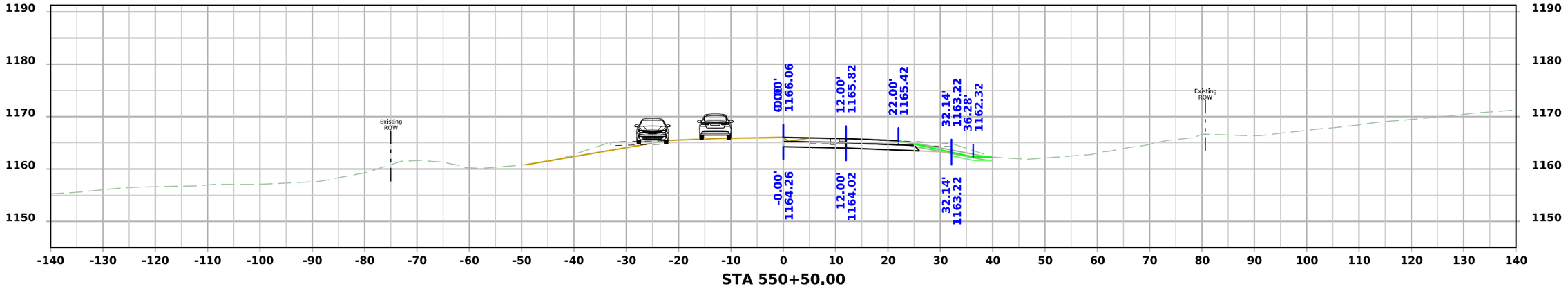
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3138

11:58:39 AM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_2_78059056Z06.dgn

US 59 Stage 4



STA 550+75.00

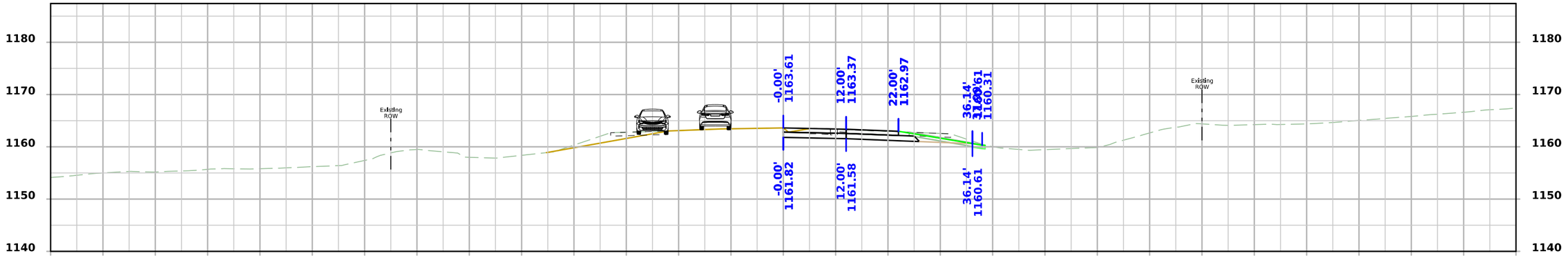


STA 550+50.00

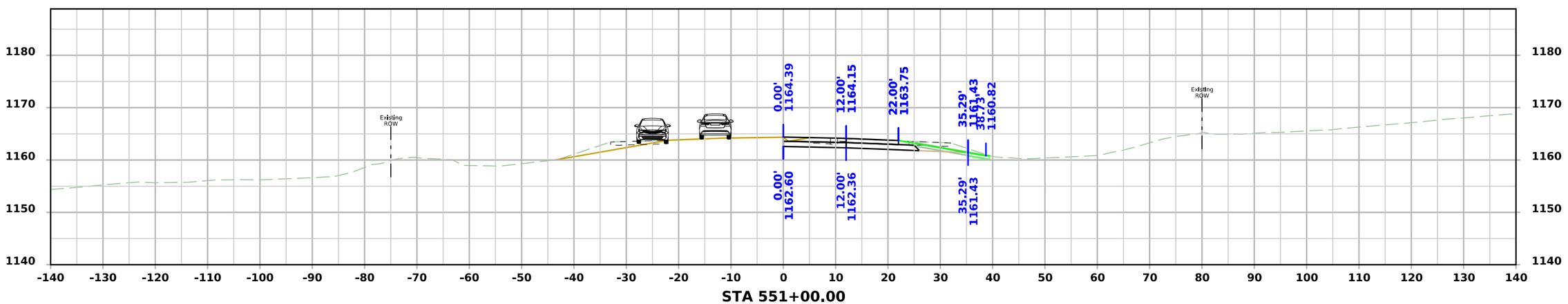
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3139

11:58:44 AM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_2_78059056Z06.dgn

US 59 Stage 4



STA 551+25.00

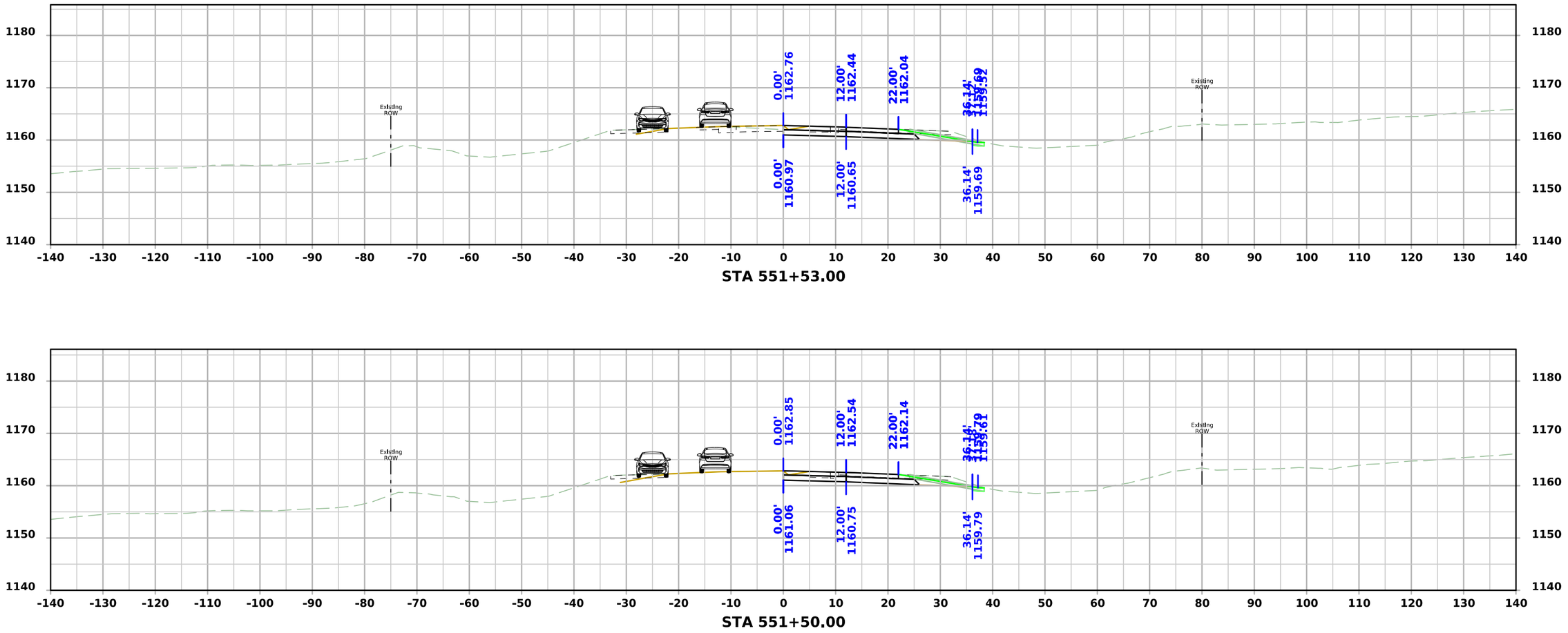


STA 551+00.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3140

11:58:49 AM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_2_78059056Z06.dgn

US 59 Stage 4



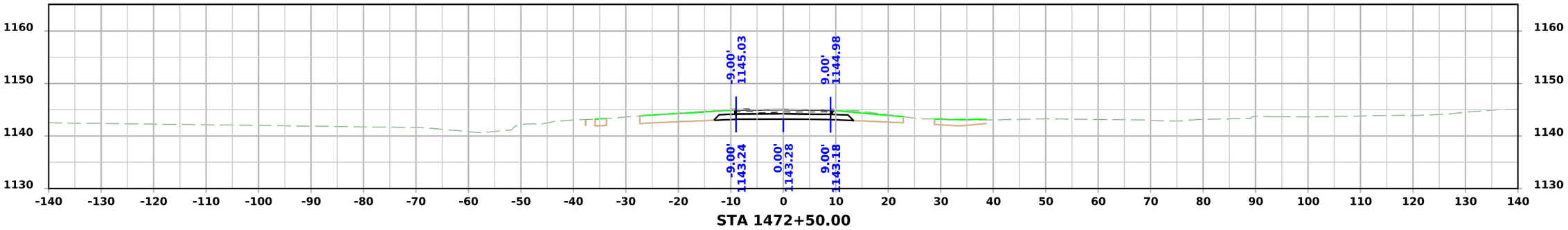
STA 551+53.00

STA 551+50.00

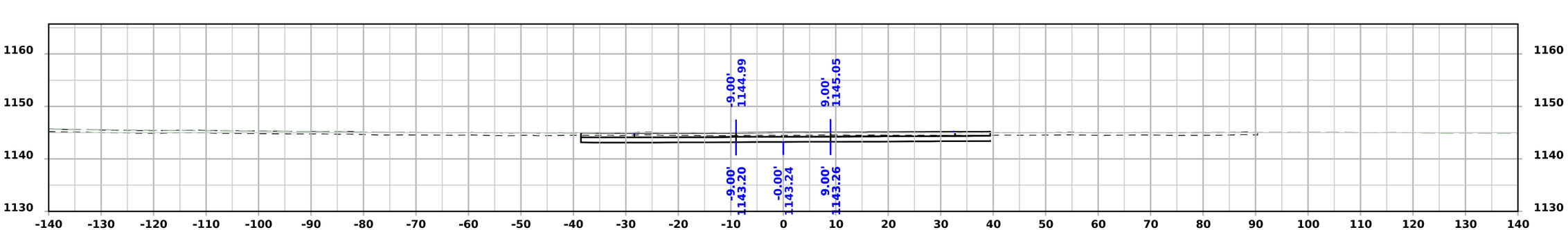
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER W.3141

11:58:53 AM 8/31/2026 nboudre pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\W3000N_2_78059056Z06.dgn

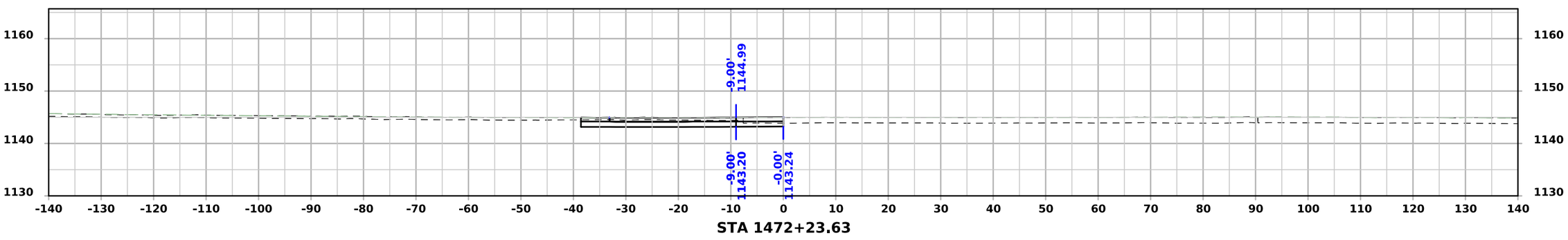
Pershing St.



STA 1472+50.00



STA 1472+25.00

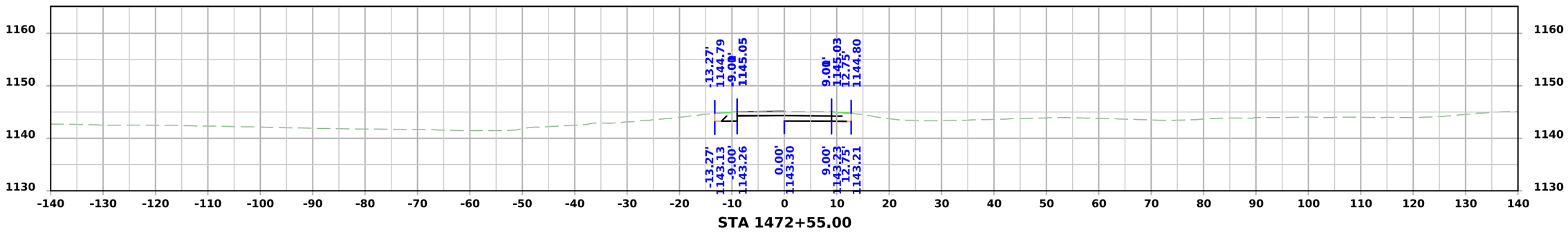


STA 1472+23.63

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER X.100

11:32:51 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\X01_78059056Z06.dgn

Pershing St.

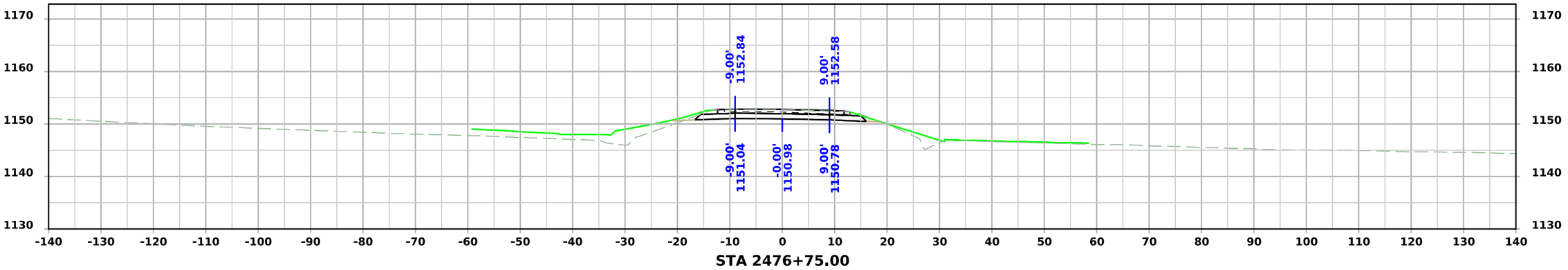


STA 1472+55.00

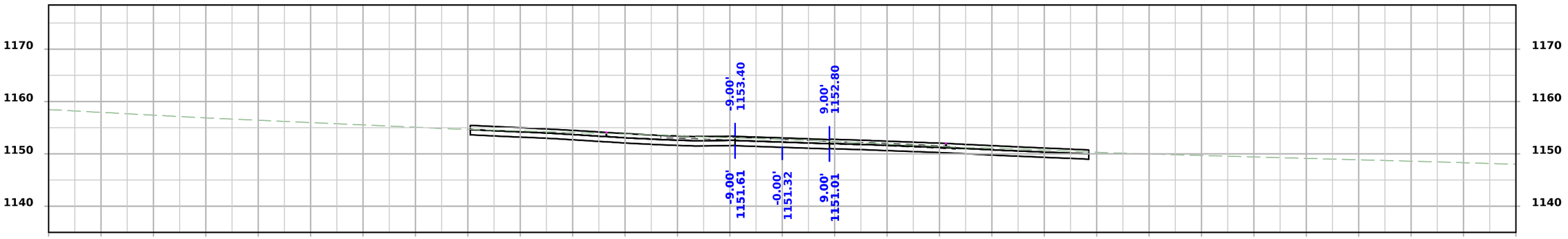
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER X.101

11:32:52 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\X01_78059056Z06.dgn

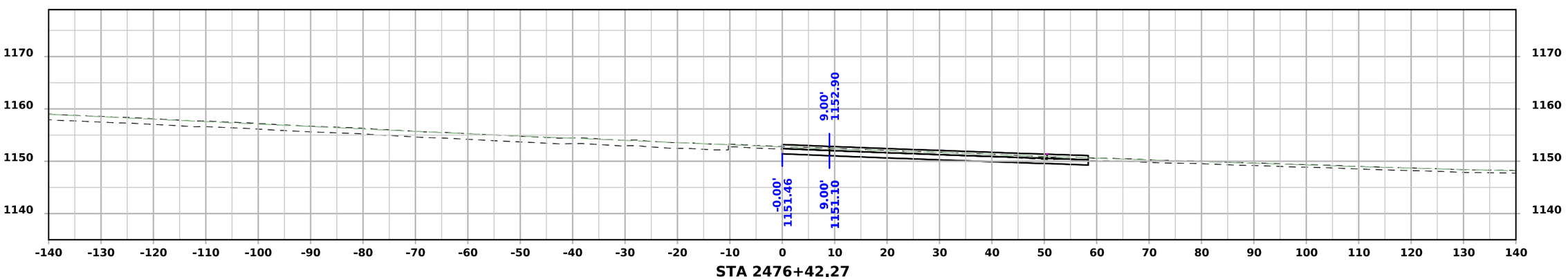
Wood St. East



STA 2476+75.00



STA 2476+50.00

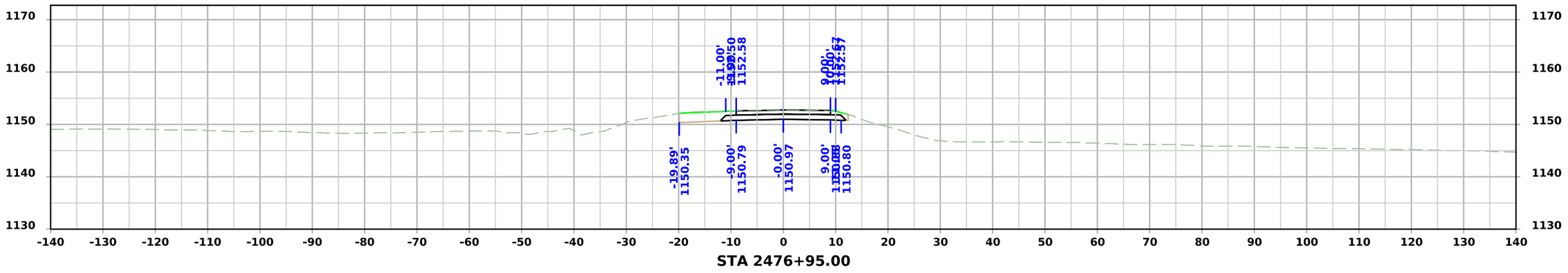


STA 2476+42.27

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER X.200	

11:36:21 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\X01_78059056Z06.dgn

Wood St. East

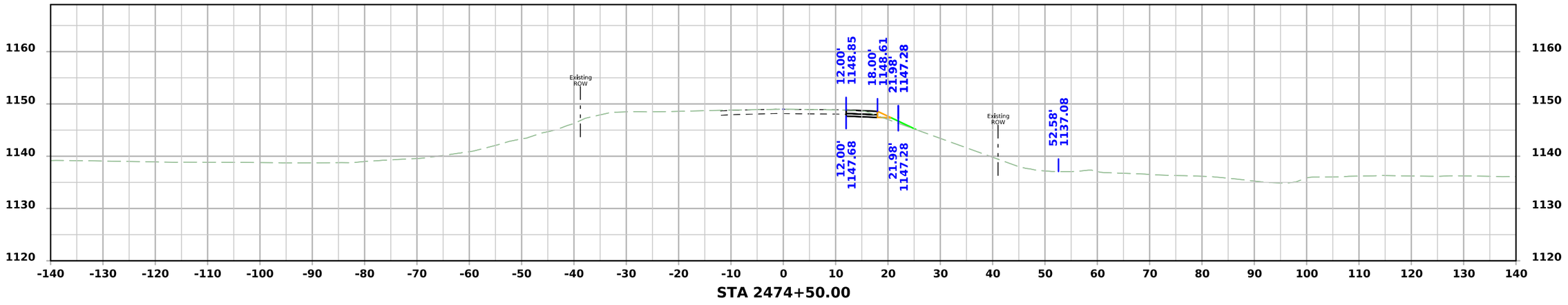


STA 2476+95.00

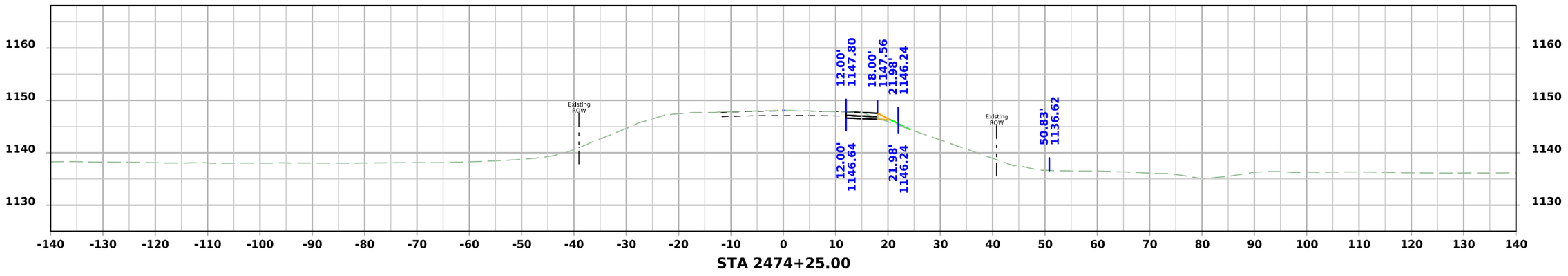
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER X.201

11:36:23 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\X01_78059056Z06.dgn

Wood St. West



STA 2474+50.00

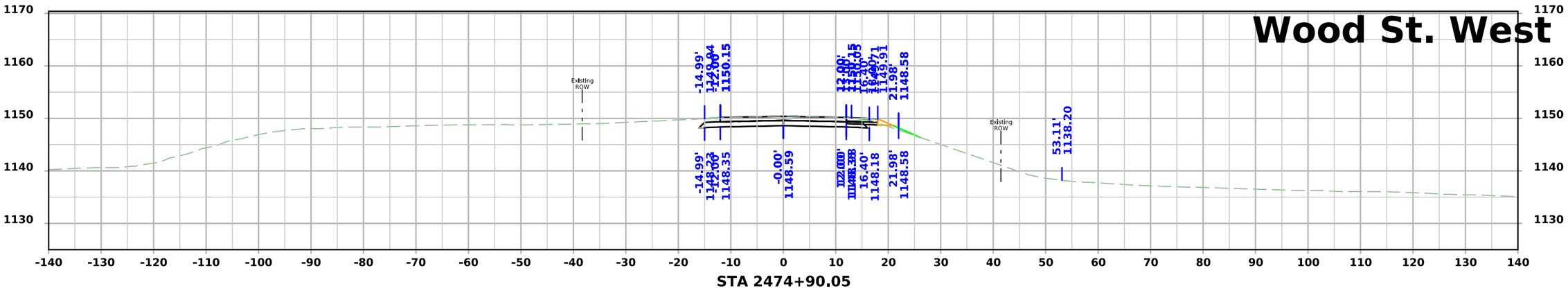


STA 2474+25.00

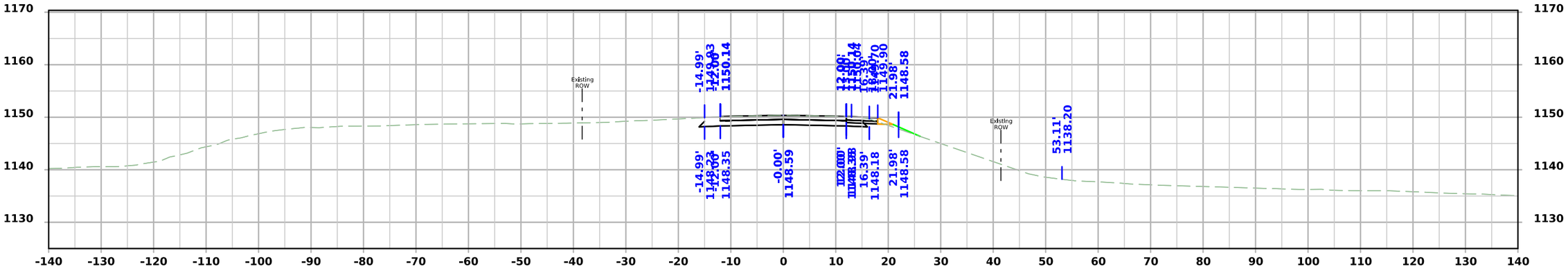
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER X.300

11:39:37 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\X01_78059056Z06.dgn

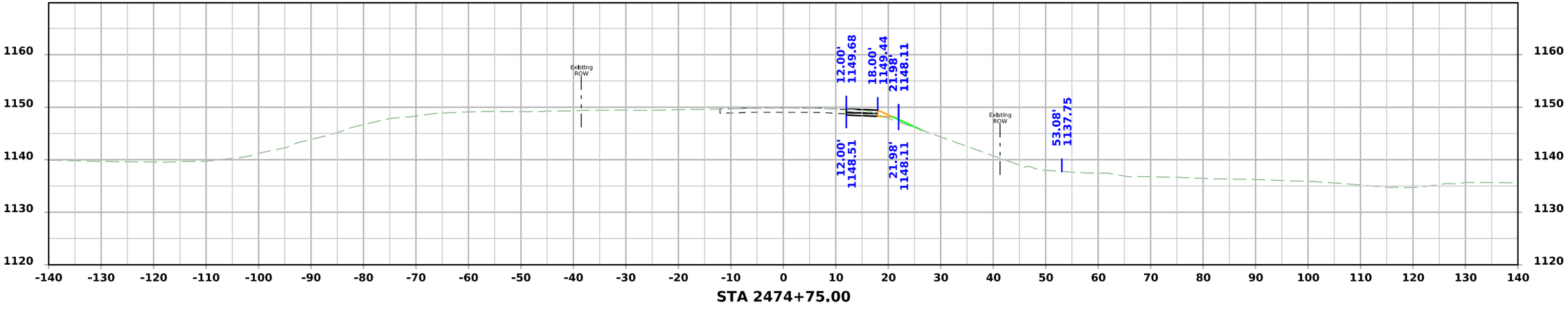
Wood St. West



STA 2474+90.05



STA 2474+90.00

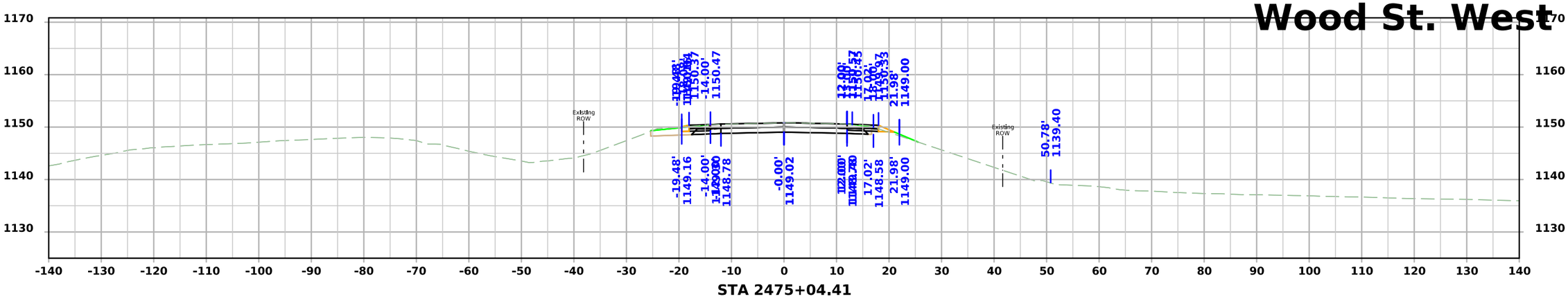


STA 2474+75.00

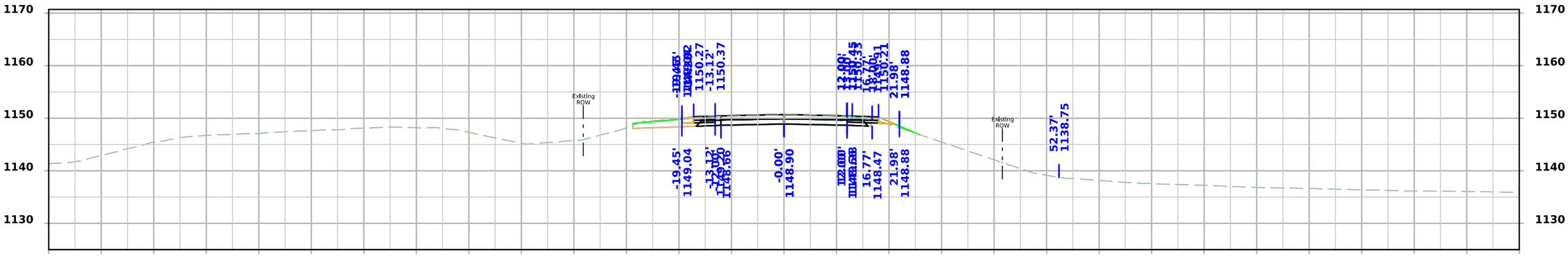
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER X.301

11:39:39 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\X01_78059056Z06.dgn

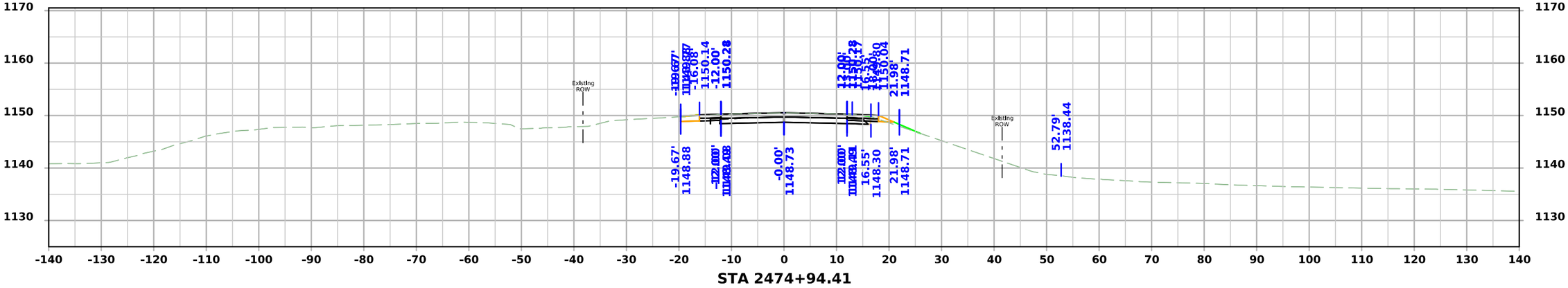
Wood St. West



STA 2475+04.41



STA 2475+00.00

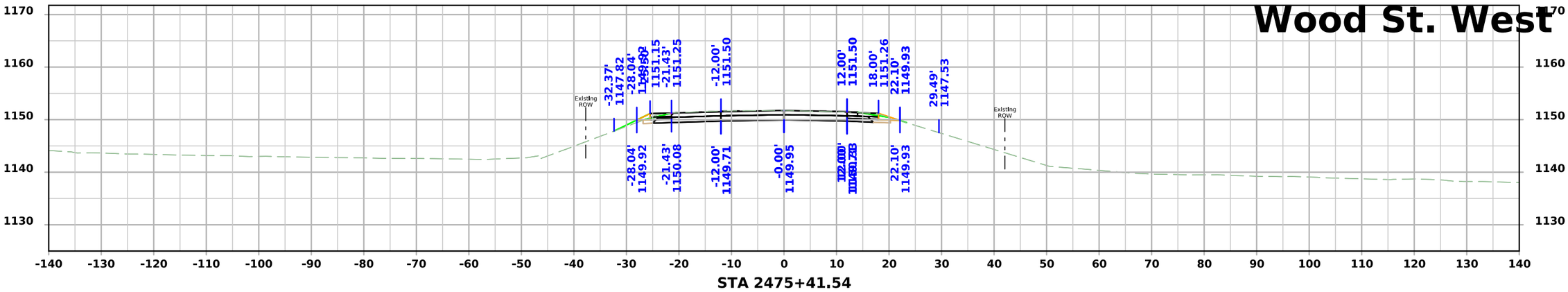


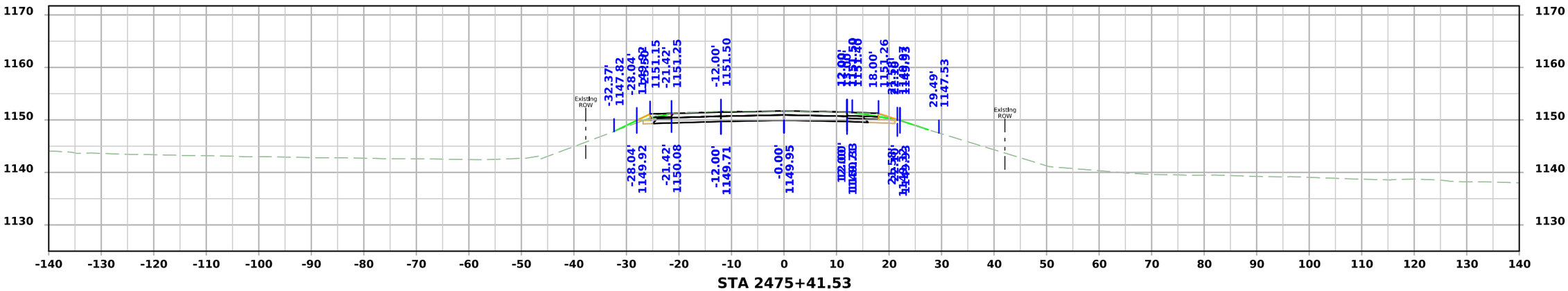
STA 2474+94.41

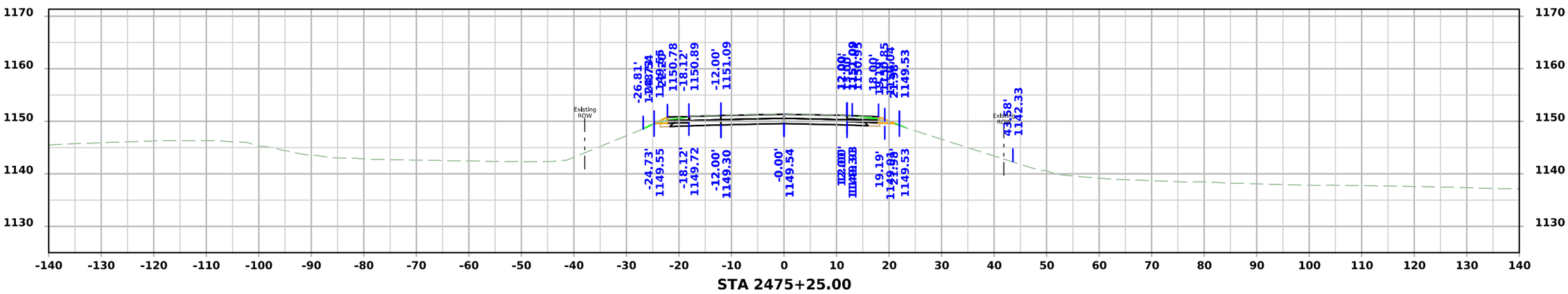
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER X.302

11:39:41 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\X01_78059056Z06.dgn

Wood St. West



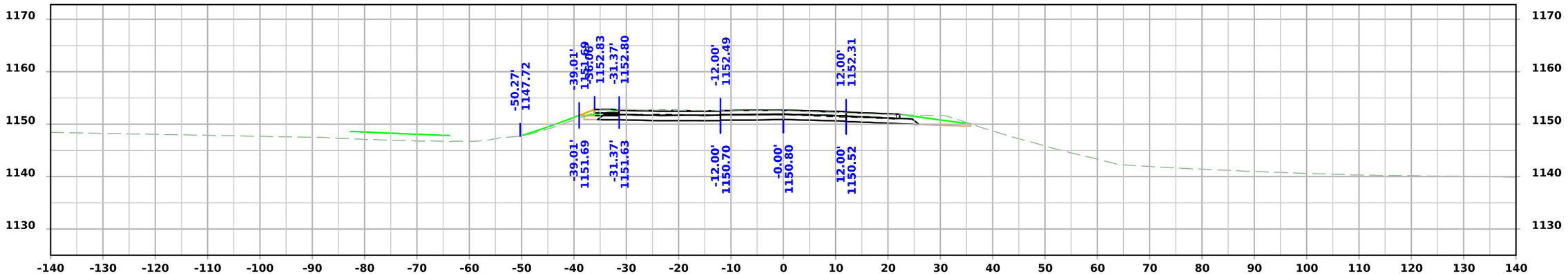




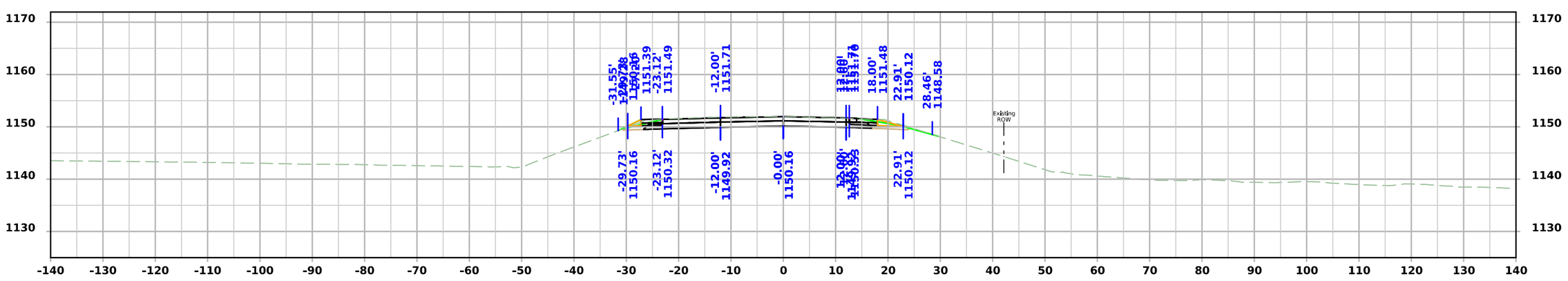
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER X.303

11:39:43 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\X01_78059056Z06.dgn

Wood St. West



STA 2475+75.00

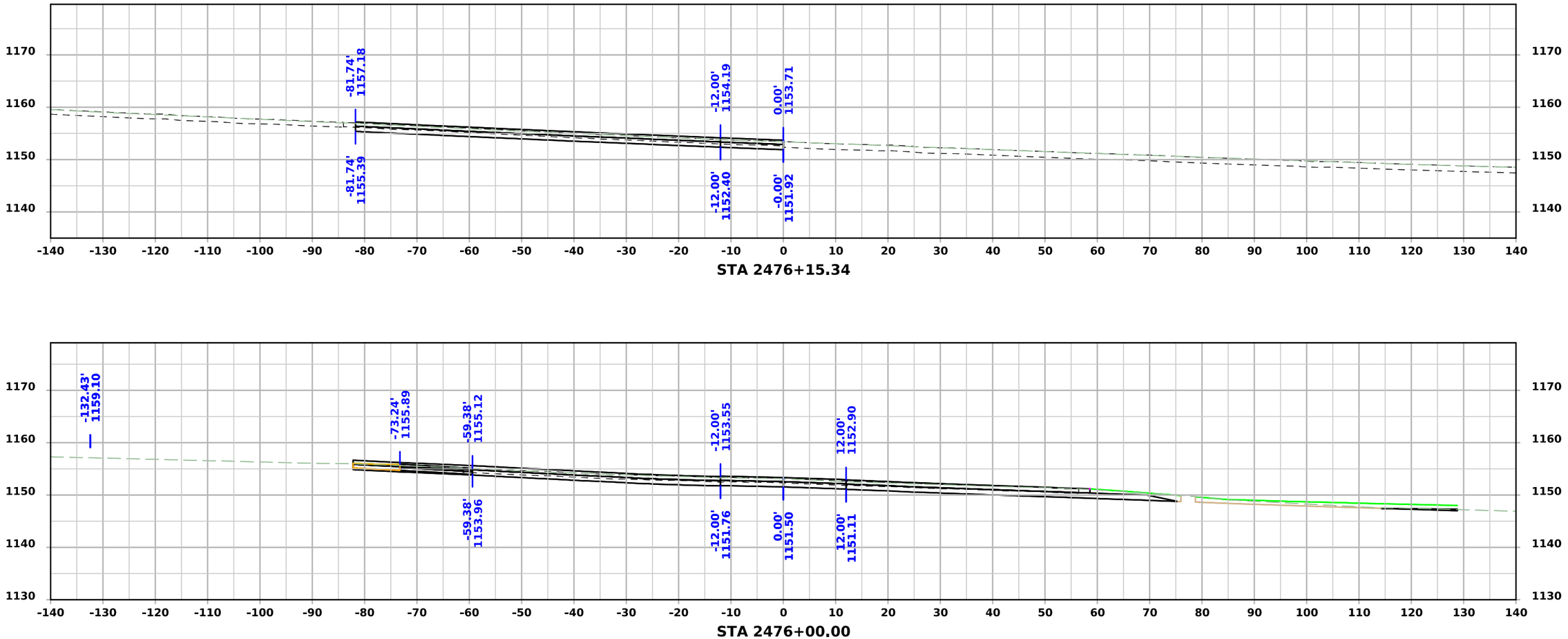


STA 2475+50.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER X.304

11:39:45 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\X01_78059056Z06.dgn

Wood St. West



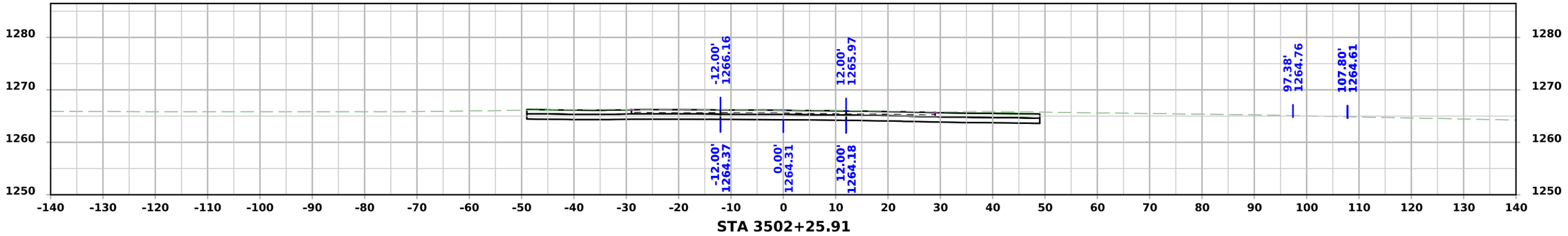
STA 2476+15.34

STA 2476+00.00

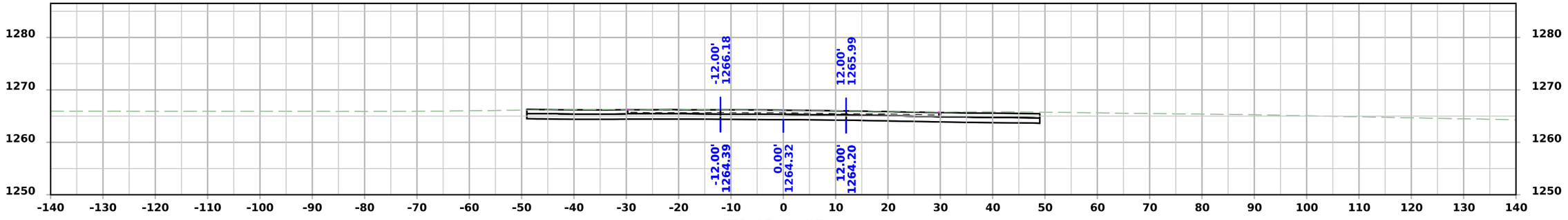
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER X.305	

11:39:47 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\X01_78059056Z06.dgn

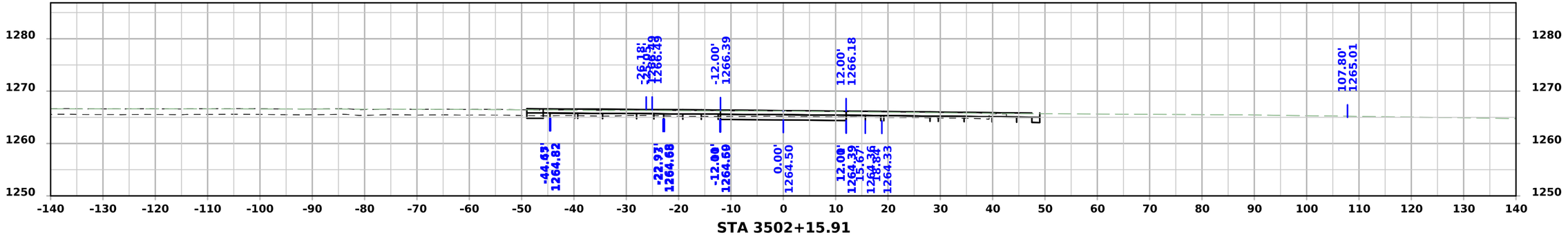
N Lavista Heights Rd.



STA 3502+25.91



STA 3502+25.00

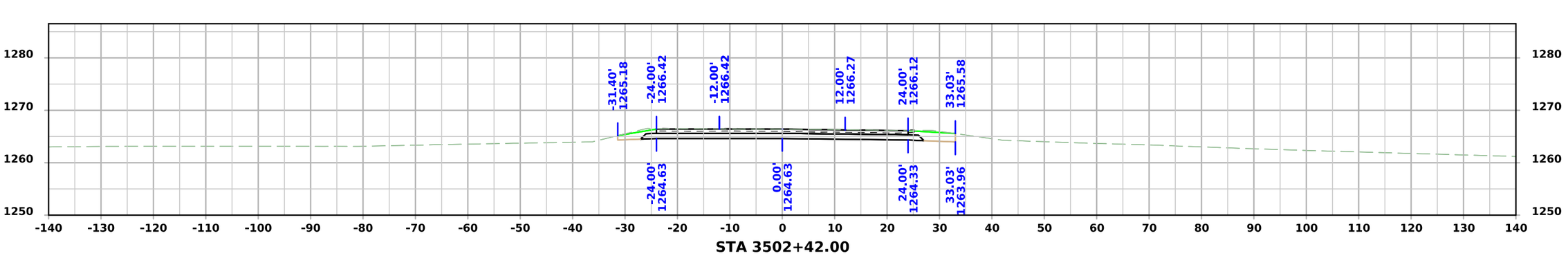


STA 3502+15.91

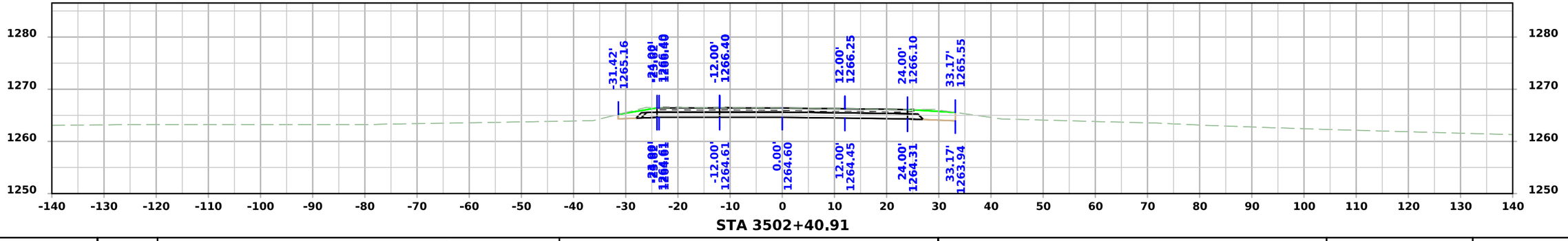
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER X.400

11:43:58 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\X01_78059056Z06.dgn

N Lavista Heights Rd.



STA 3502+42.00

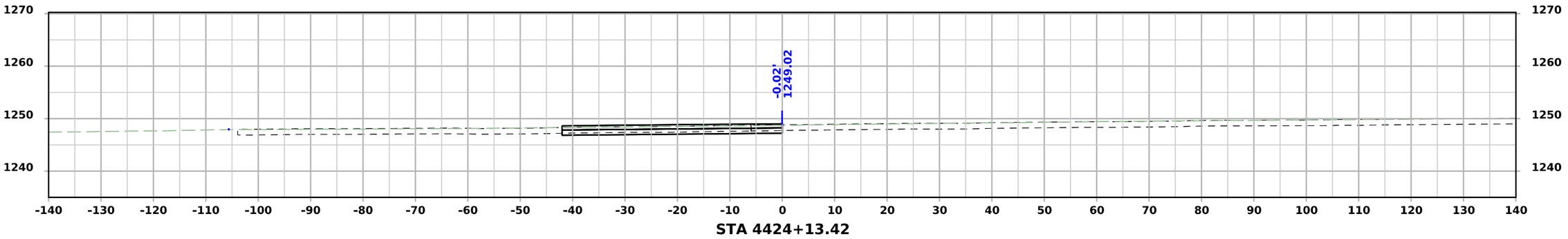


STA 3502+40.91

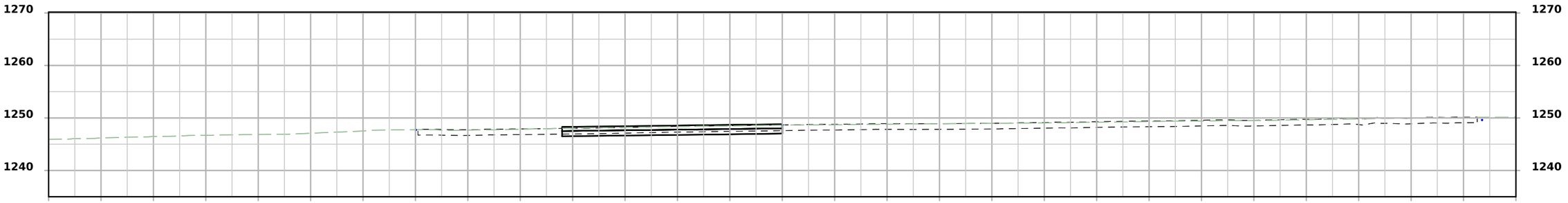
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER X.401

11:44:00 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\X01_78059056Z06.dgn

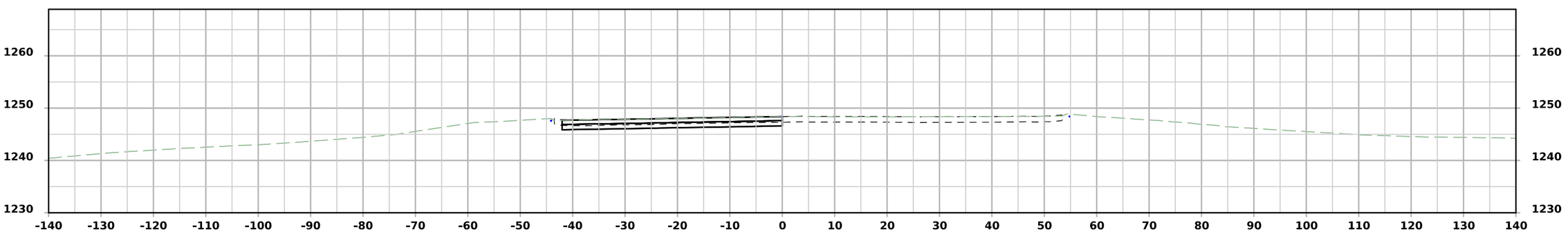
Marty Dr.



STA 4424+13.42



STA 4424+00.00

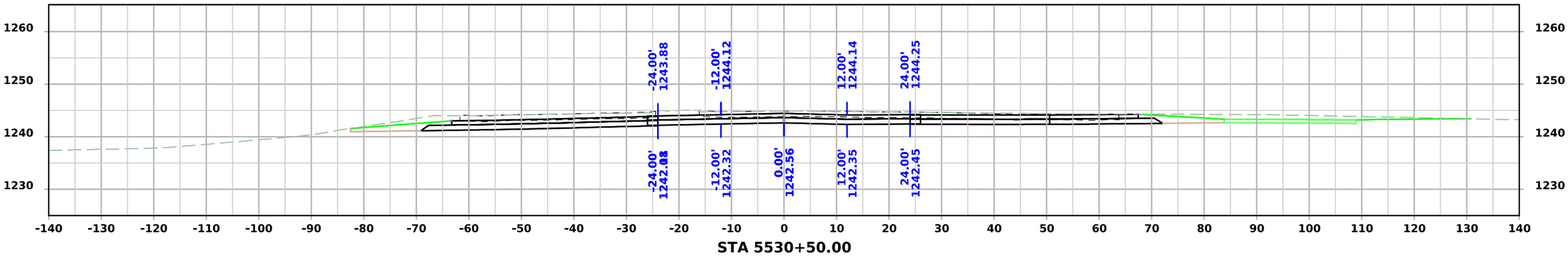


STA 4423+75.00

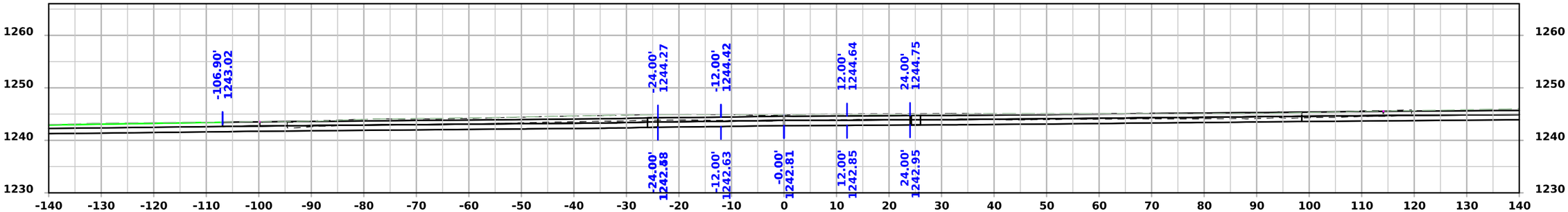
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER X.500

11:49:05 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\X01_78059056Z06.dgn

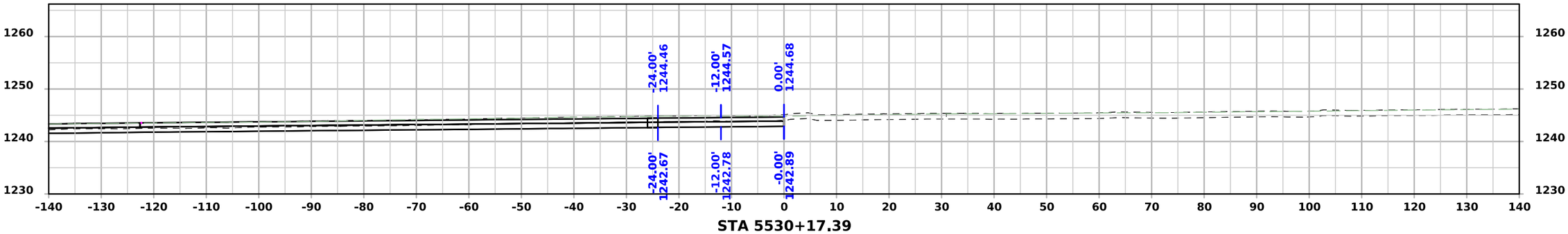
York Rd.



STA 5530+50.00



STA 5530+25.00

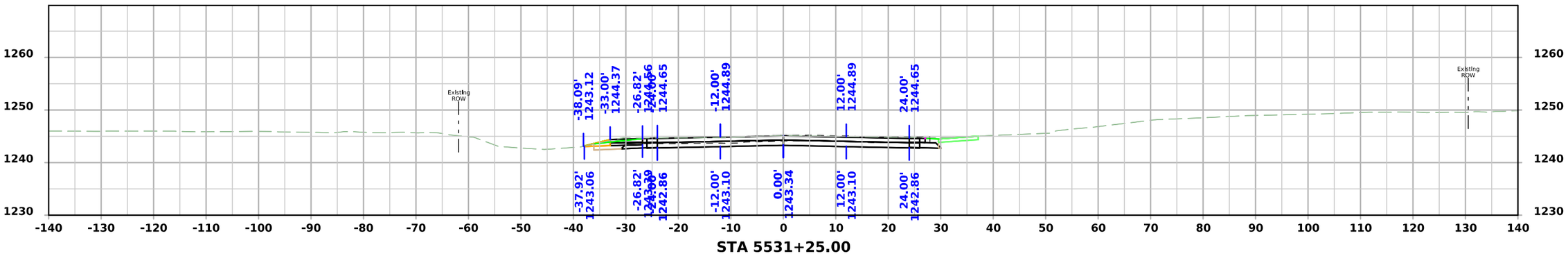


STA 5530+17.39

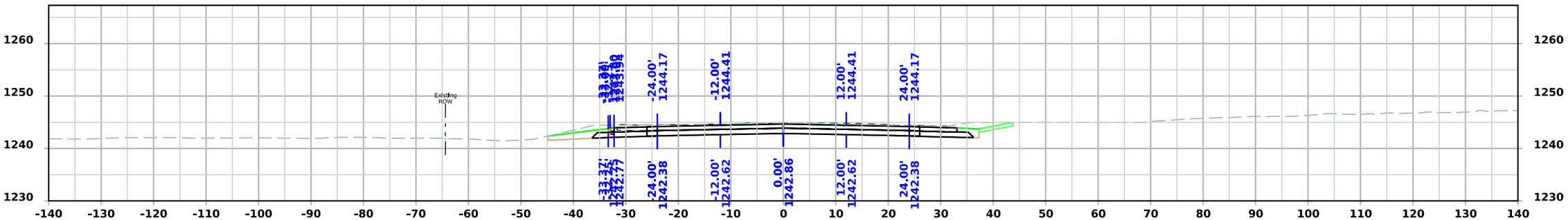
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER X.600

11:56:04 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\X01_78059056Z06.dgn

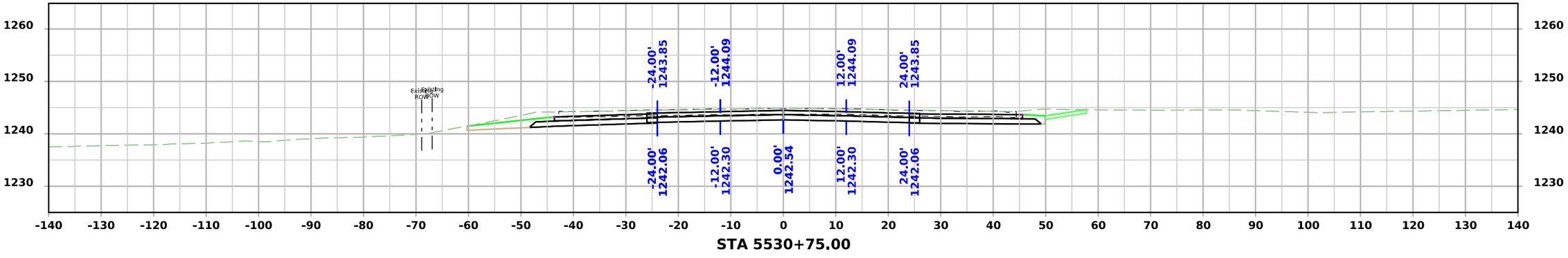
York Rd.



STA 5531+25.00



STA 5531+00.00

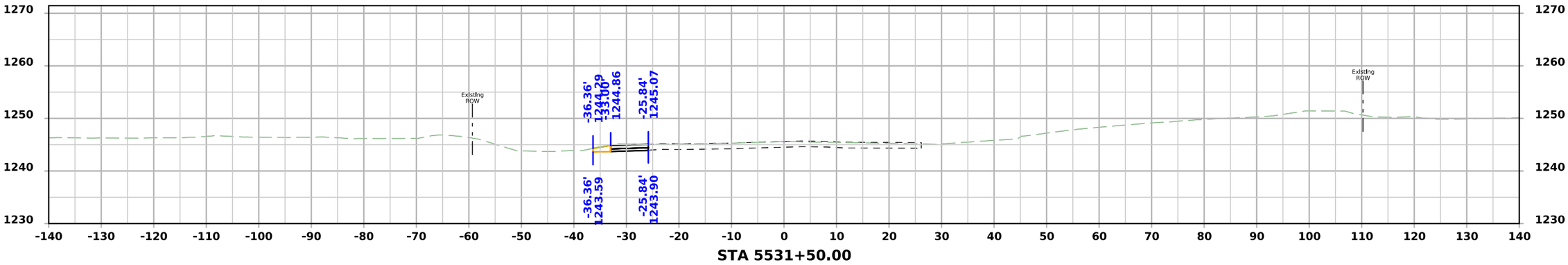


STA 5530+75.00

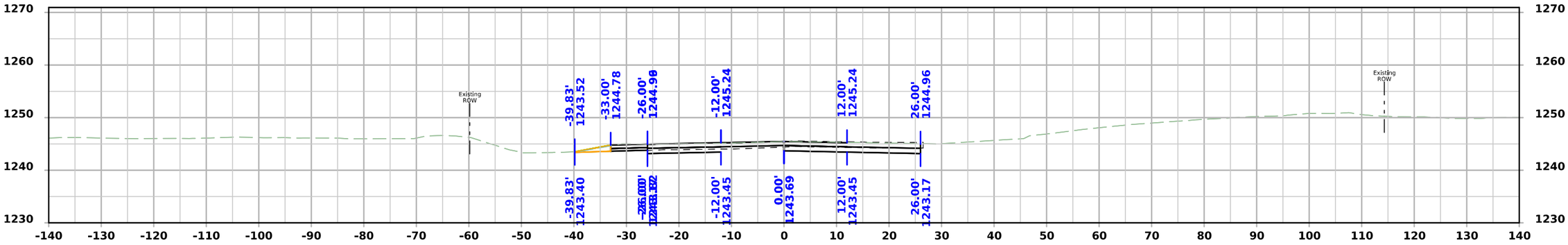
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER X.601

11:56:07 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\X01_78059056Z06.dgn

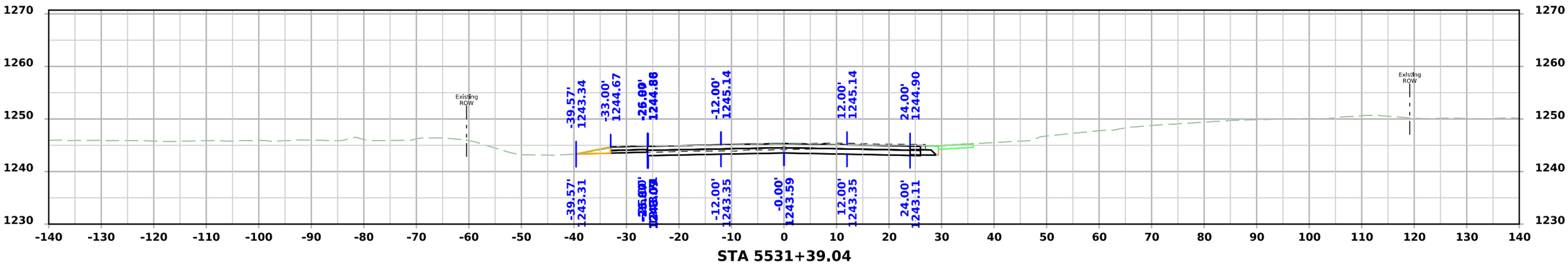
York Rd.



STA 5531+50.00



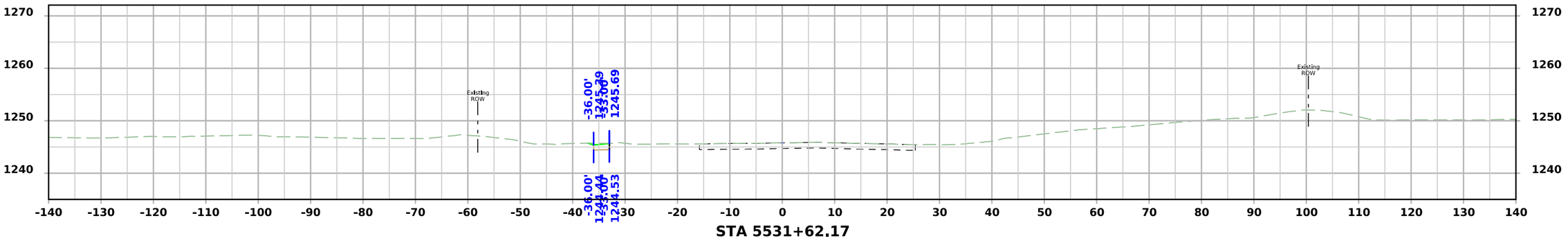
STA 5531+45.00



STA 5531+39.04

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER X.602

York Rd.

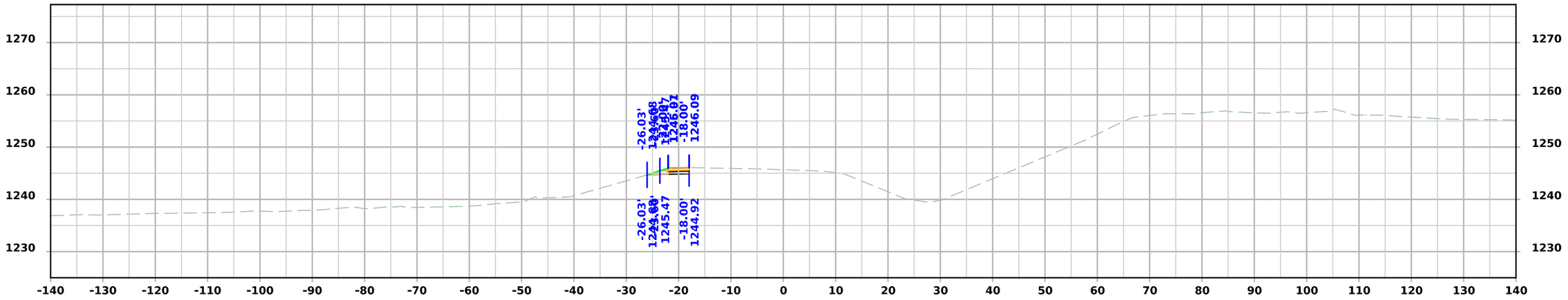


STA 5531+62.17

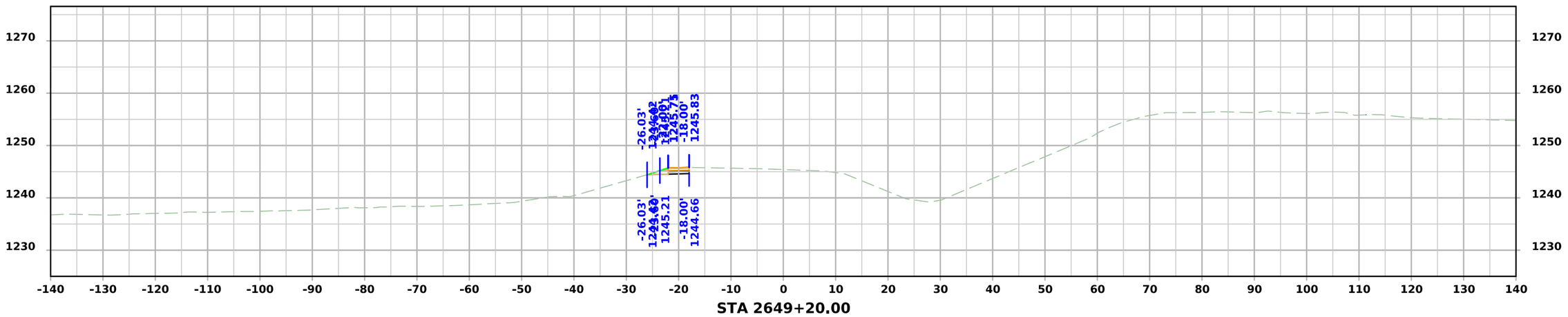
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER X.603

11:56:11 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\X01_78059056Z06.dgn

Ramp B



STA 2649+25.00

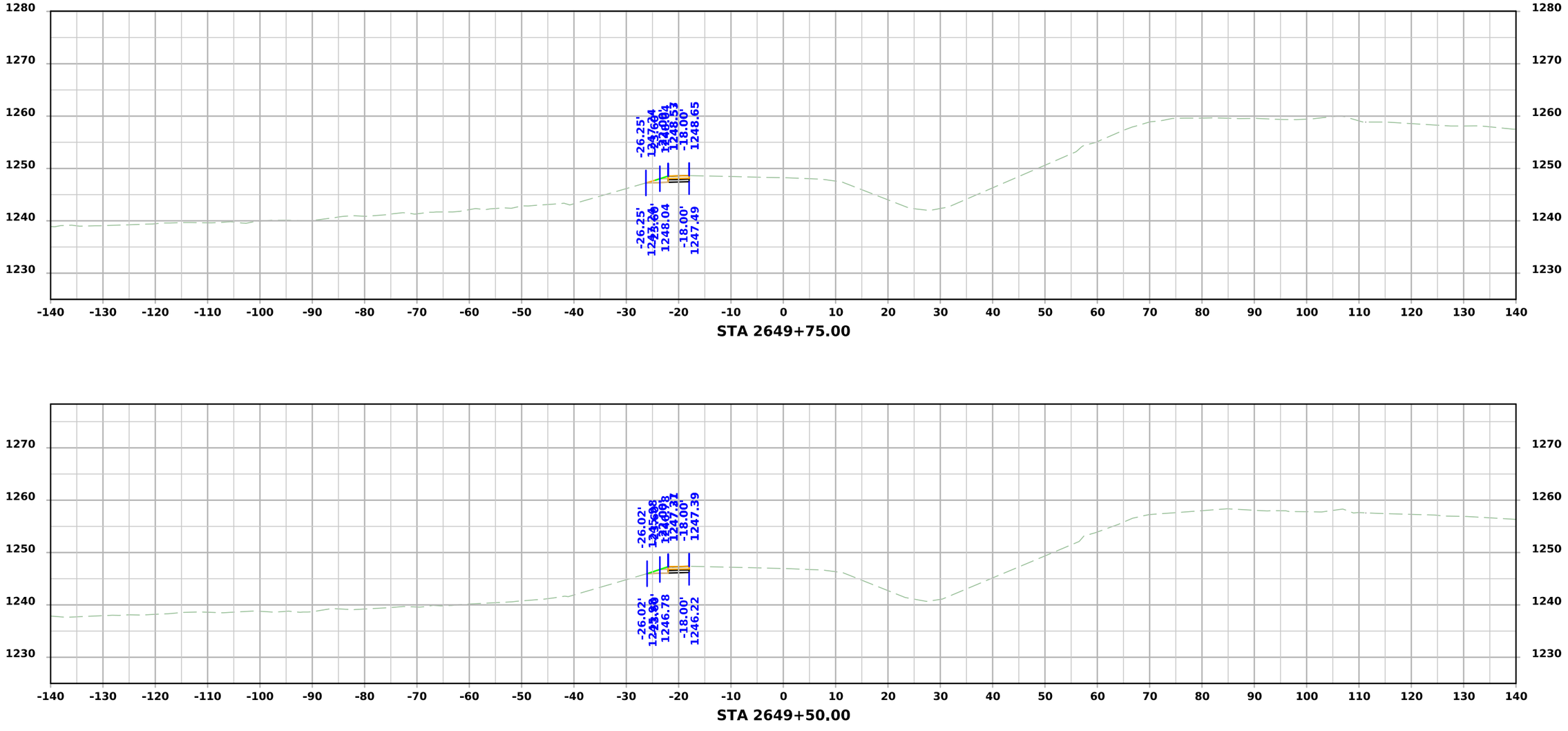


STA 2649+20.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Y.100	

10:57:45 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Y.100_78059056Z06.dgn

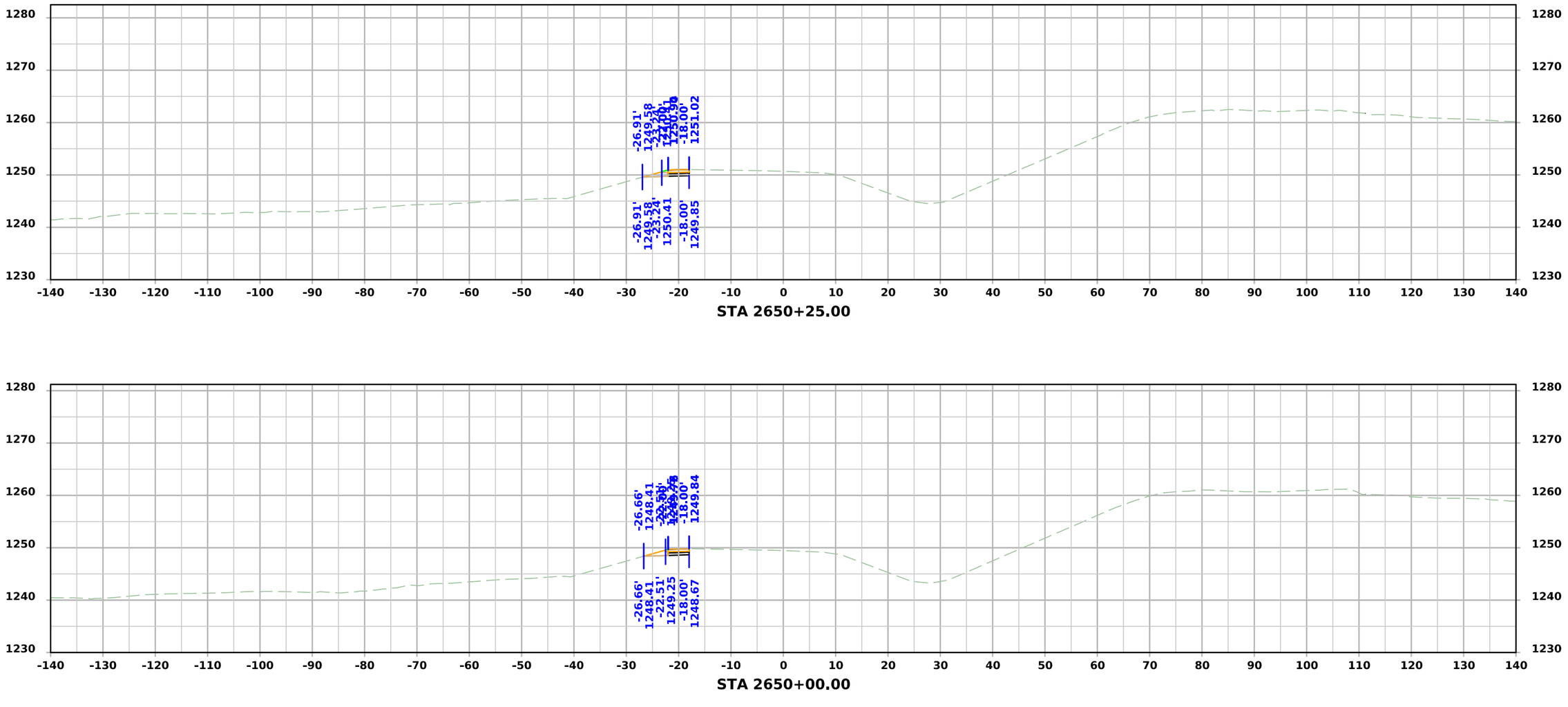
Ramp B



FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Y.101	

10:57:47 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Y.100_78059056Z06.dgn

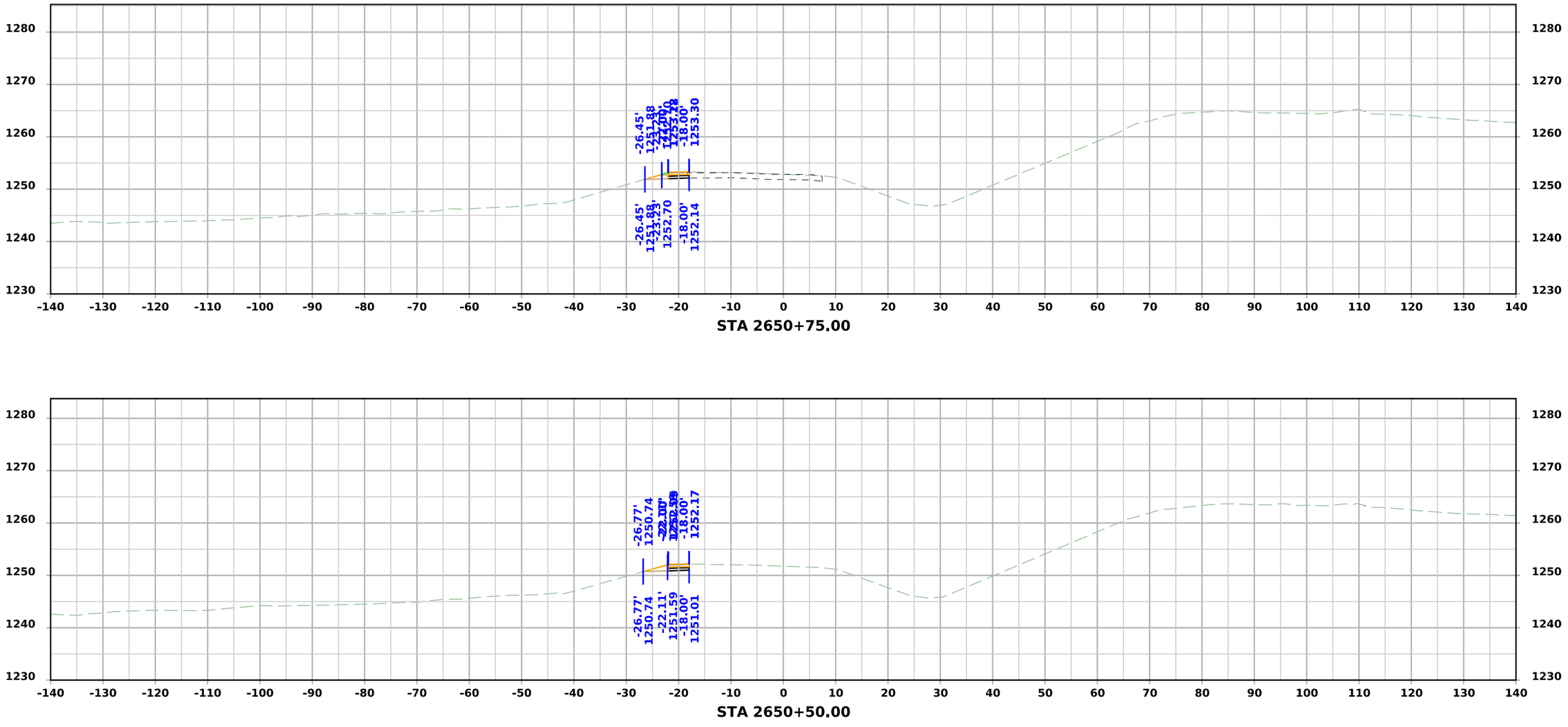
Ramp B



FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Y.102

10:57:48 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Y.100_78059056Z06.dgn

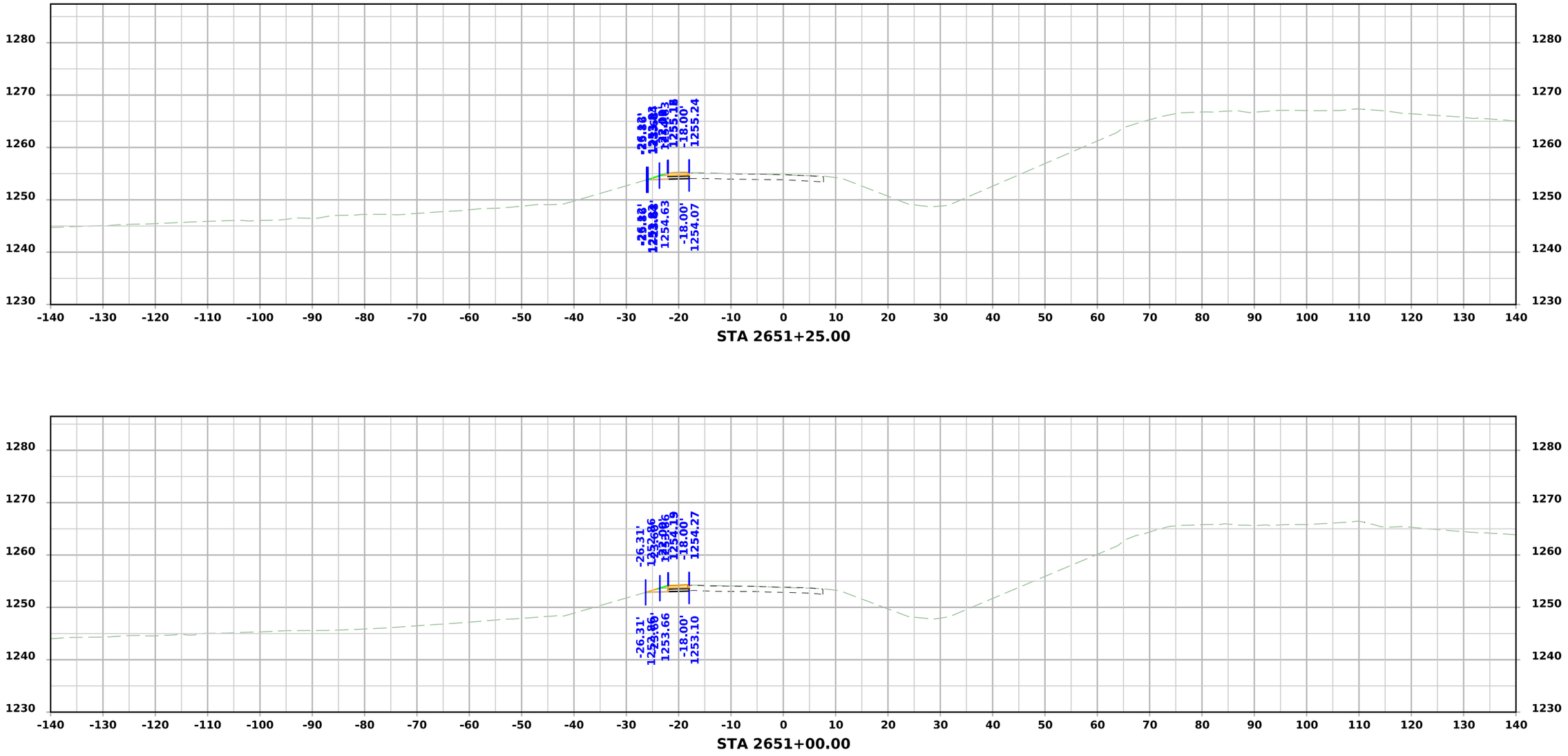
Ramp B



FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Y.103

10:57:50 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Y.100_78059056Z06.dgn

Ramp B



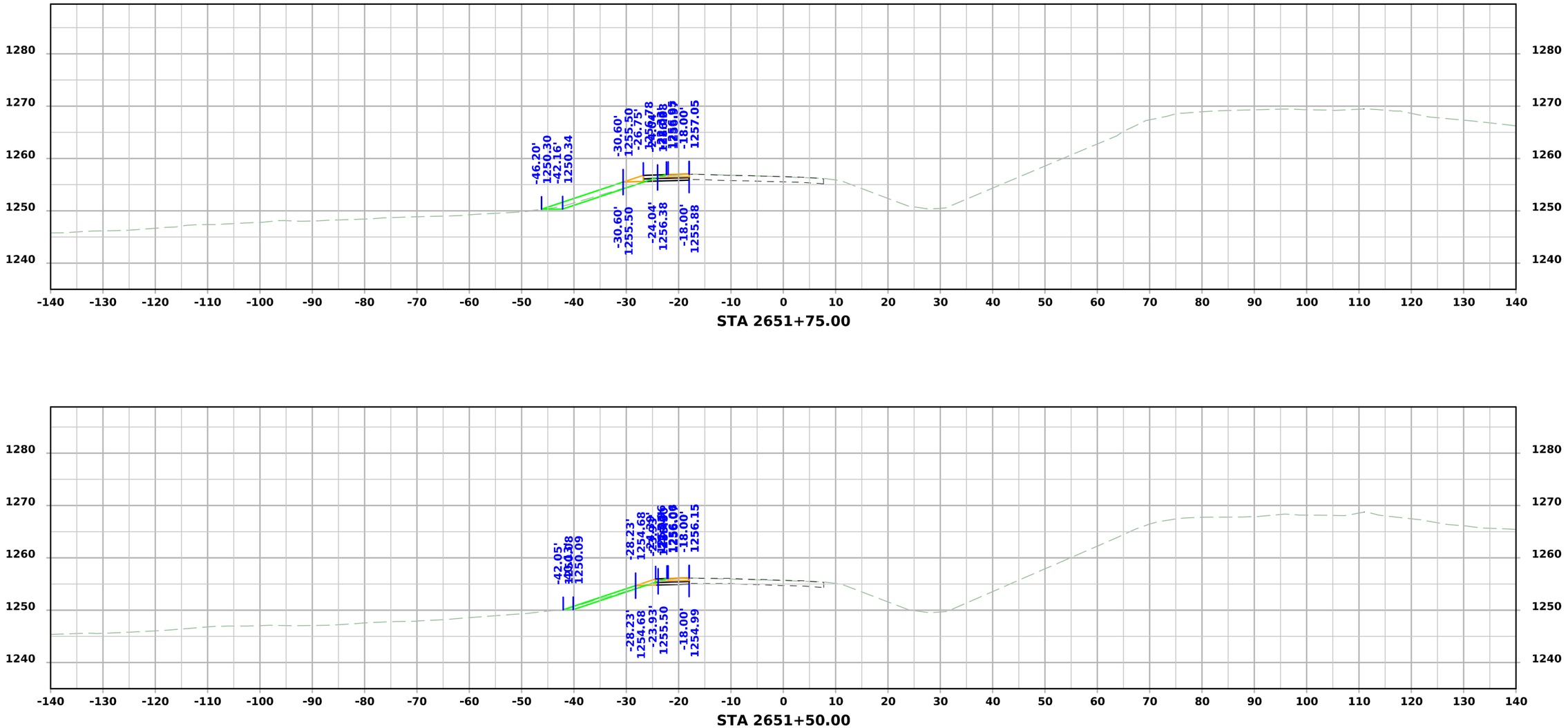
STA 2651+25.00

STA 2651+00.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Y.104

10:57:52 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Y.100_78059056Z06.dgn

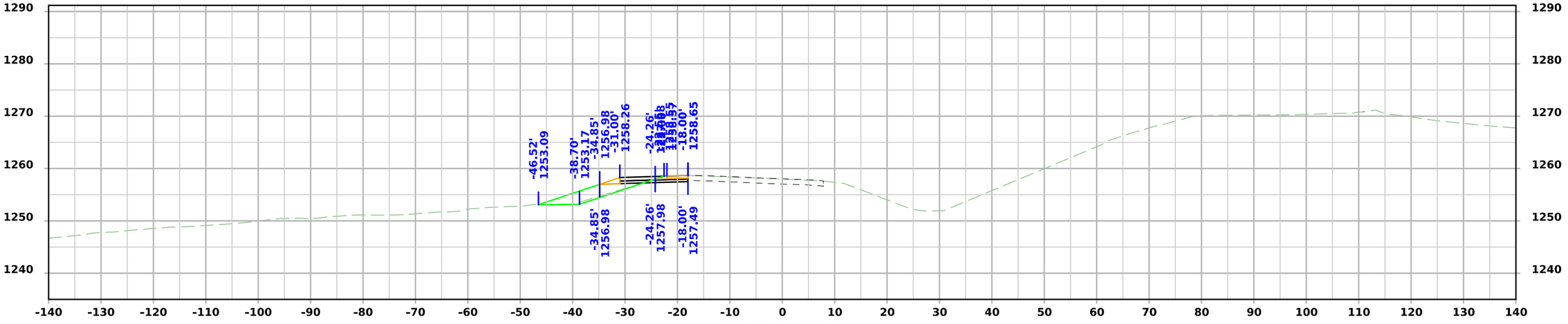
Ramp B



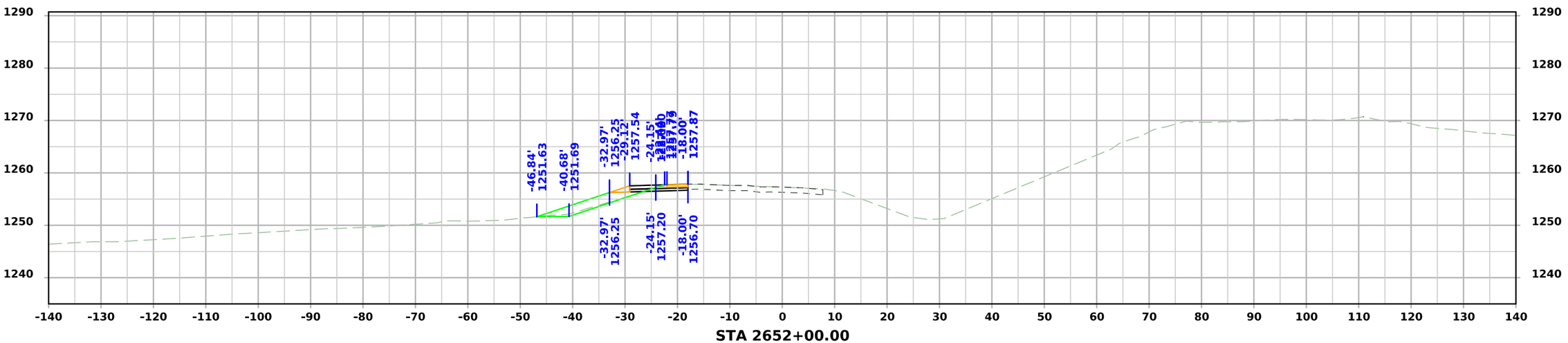
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Y.105

10:57:54 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Y.100_78059056Z06.dgn

Ramp B



STA 2652+25.00

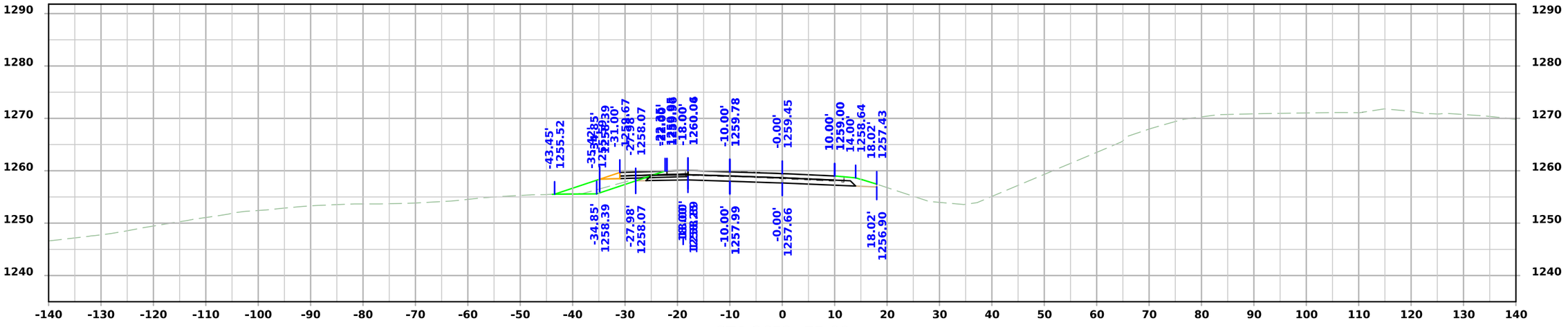


STA 2652+00.00

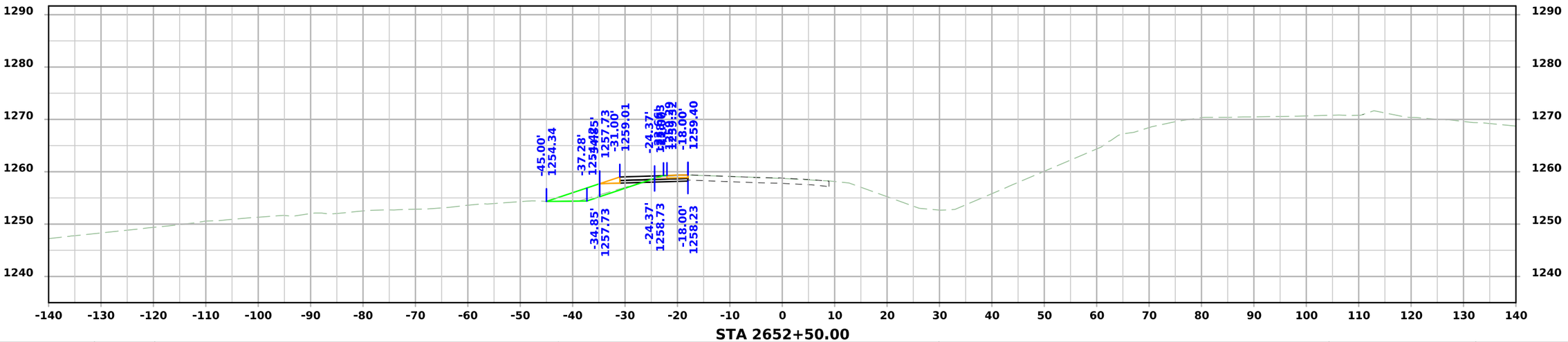
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Y.106

10:57:55 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Y.100_78059056Z06.dgn

Ramp B



STA 2652+75.00

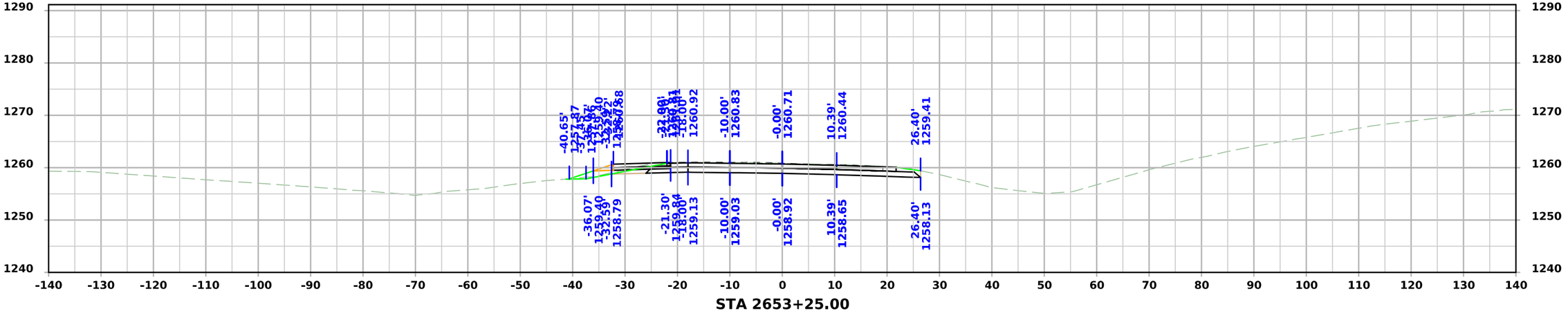


STA 2652+50.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Y.107

10:57:57 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Y.100_78059056Z06.dgn

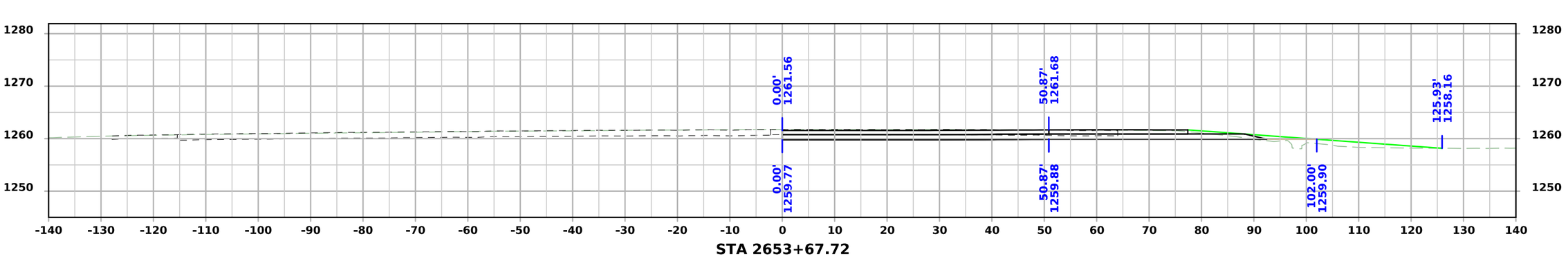
Ramp B



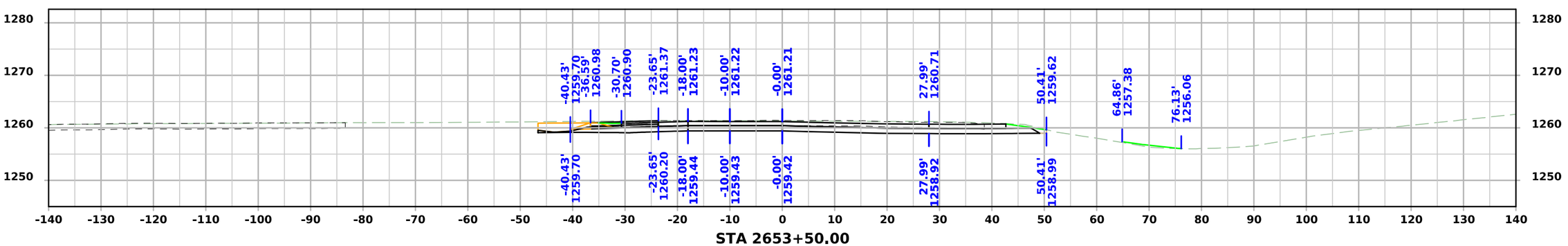
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Y.108

10:58:00 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Y.100_78059056Z06.dgn

Ramp B



STA 2653+67.72

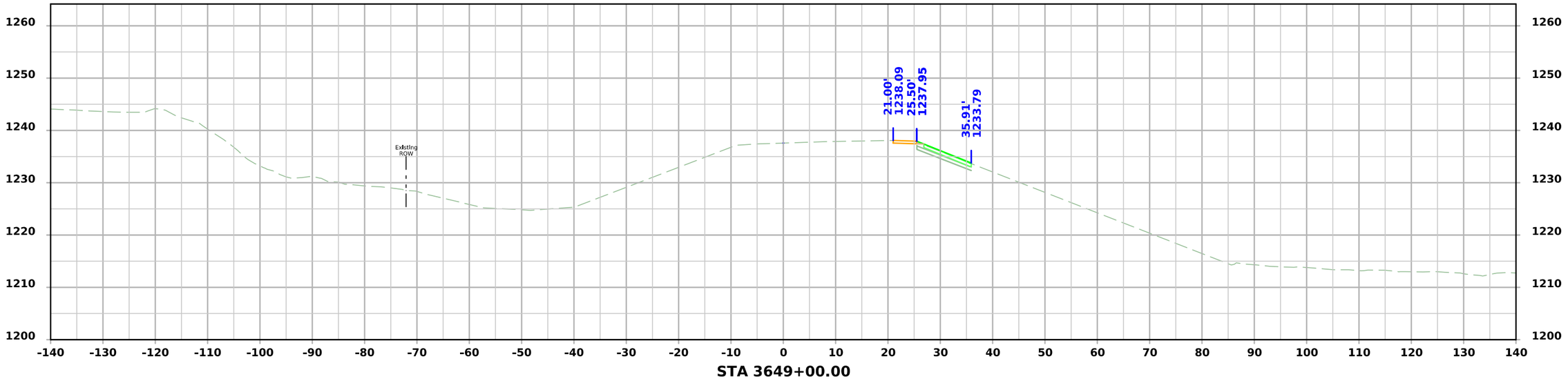


STA 2653+50.00

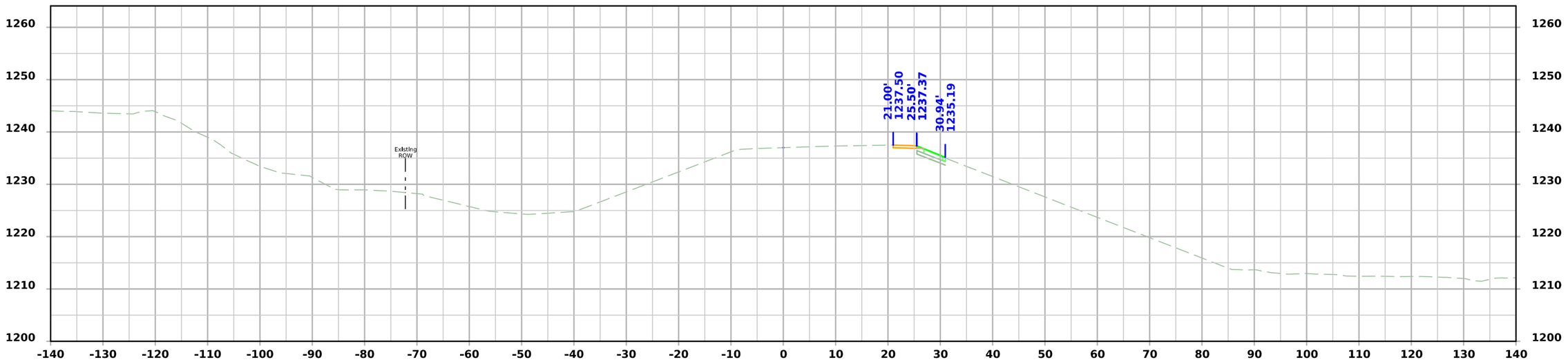
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Y.109

10:58:02 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Y.100_78059056Z06.dgn

Ramp C



STA 3649+00.00

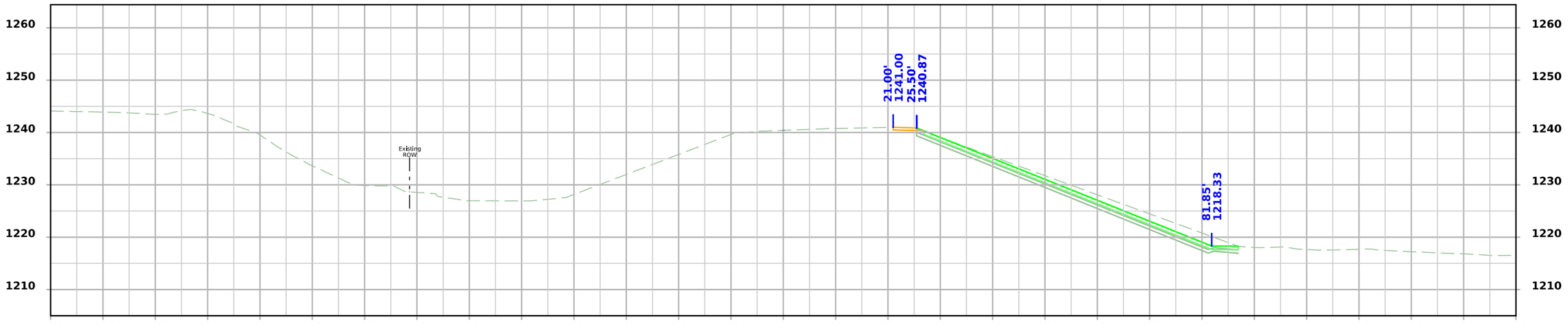


STA 3648+90.00

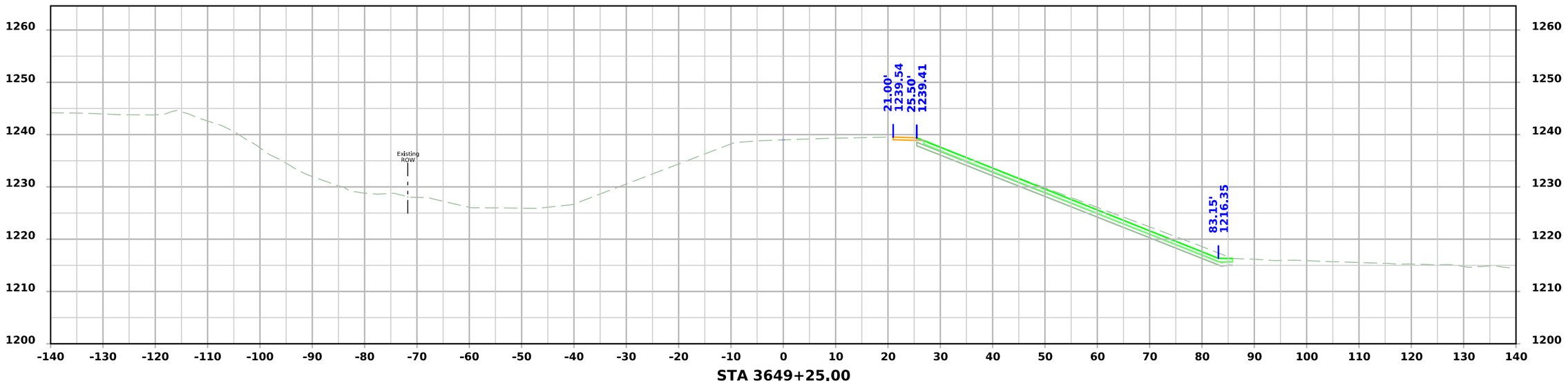
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Y.200

11:05:48 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Y.200_78059056Z06.dgn

Ramp C



STA 3649+50.00

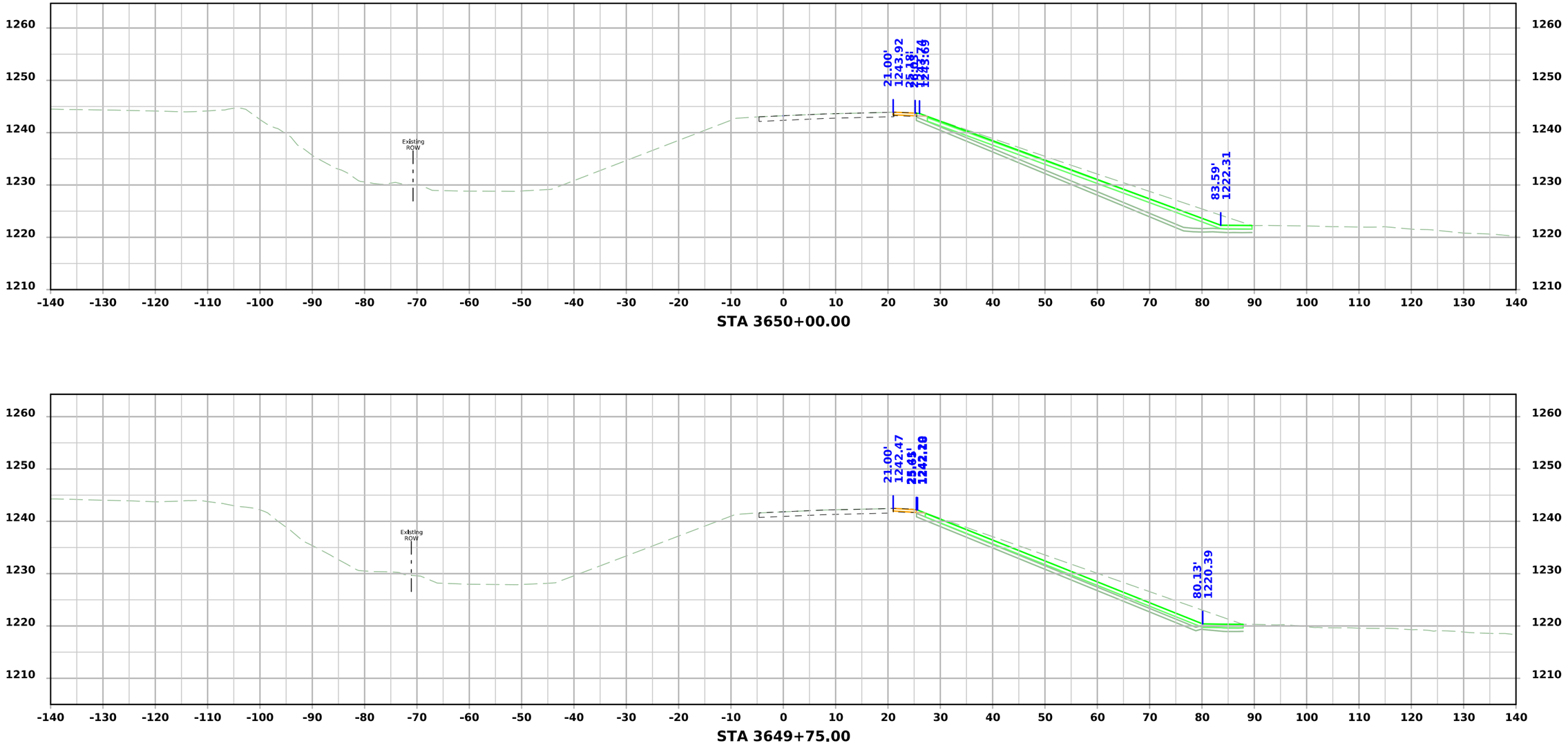


STA 3649+25.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Y.201

11:05:50 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Y.200_78059056Z06.dgn

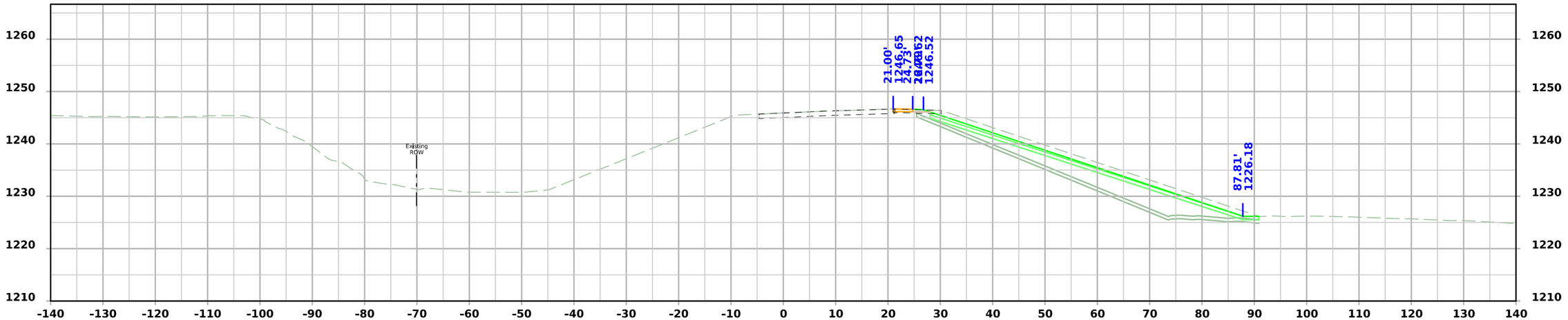
Ramp C



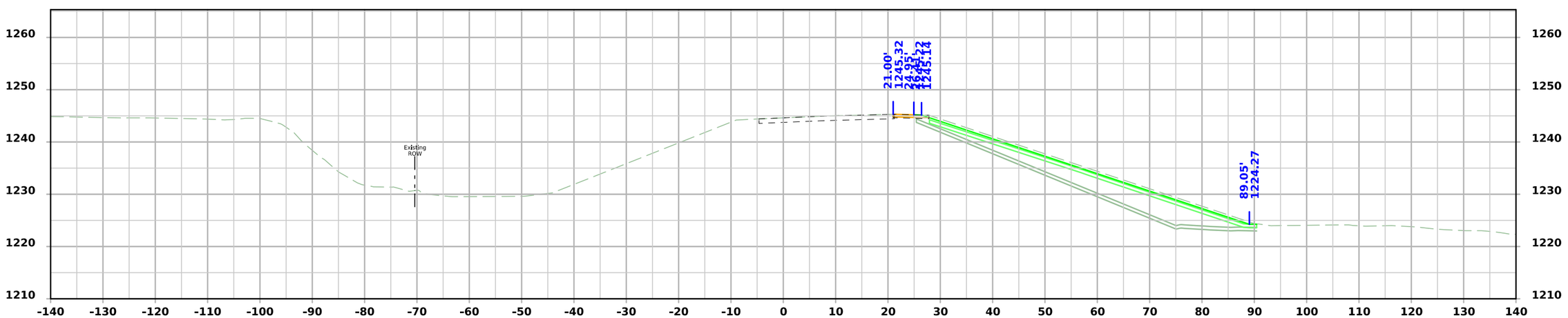
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Y.202

11:05:51 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Y.200_78059056Z06.dgn

Ramp C



STA 3650+50.00

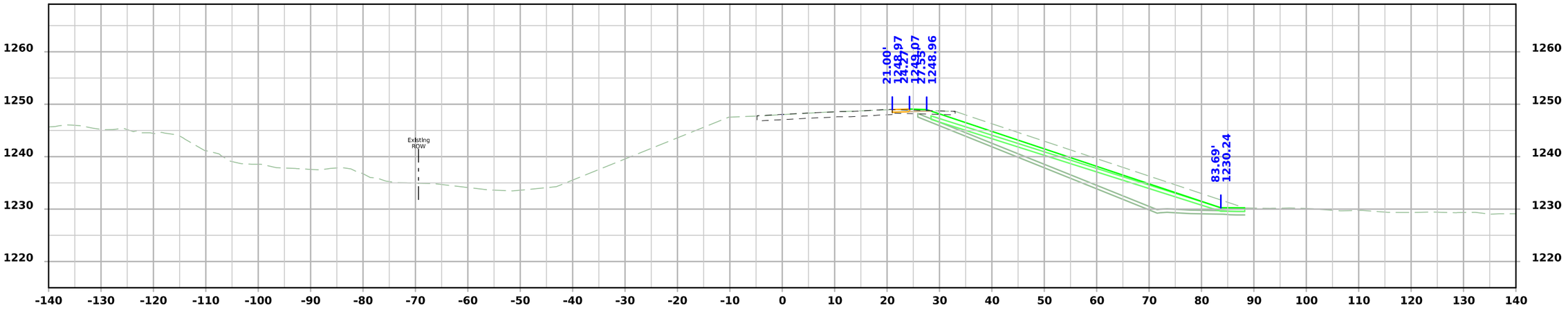


STA 3650+25.00

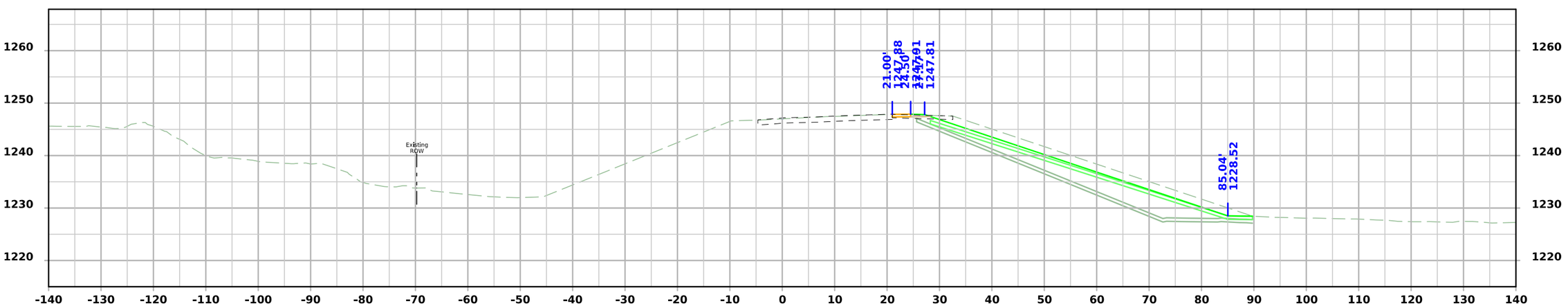
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Y.203	

11:05:53 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Y.200_78059056Z06.dgn

Ramp C



STA 3651+00.00

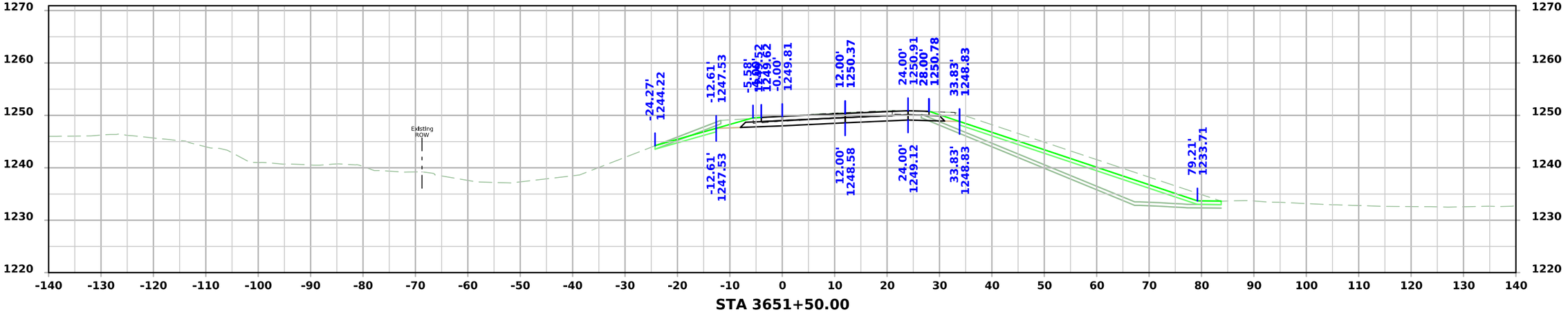


STA 3650+75.00

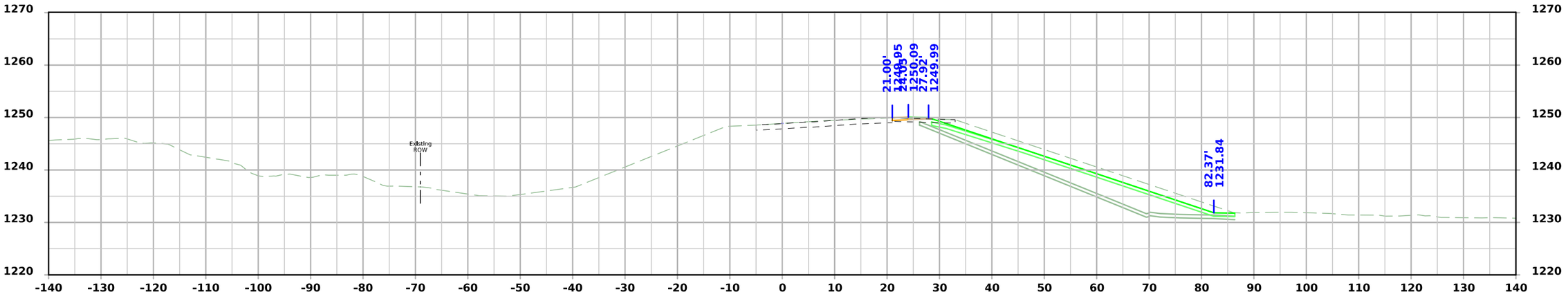
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Y.204

11:05:55 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Y.200_78059056Z06.dgn

Ramp C



STA 3651+50.00

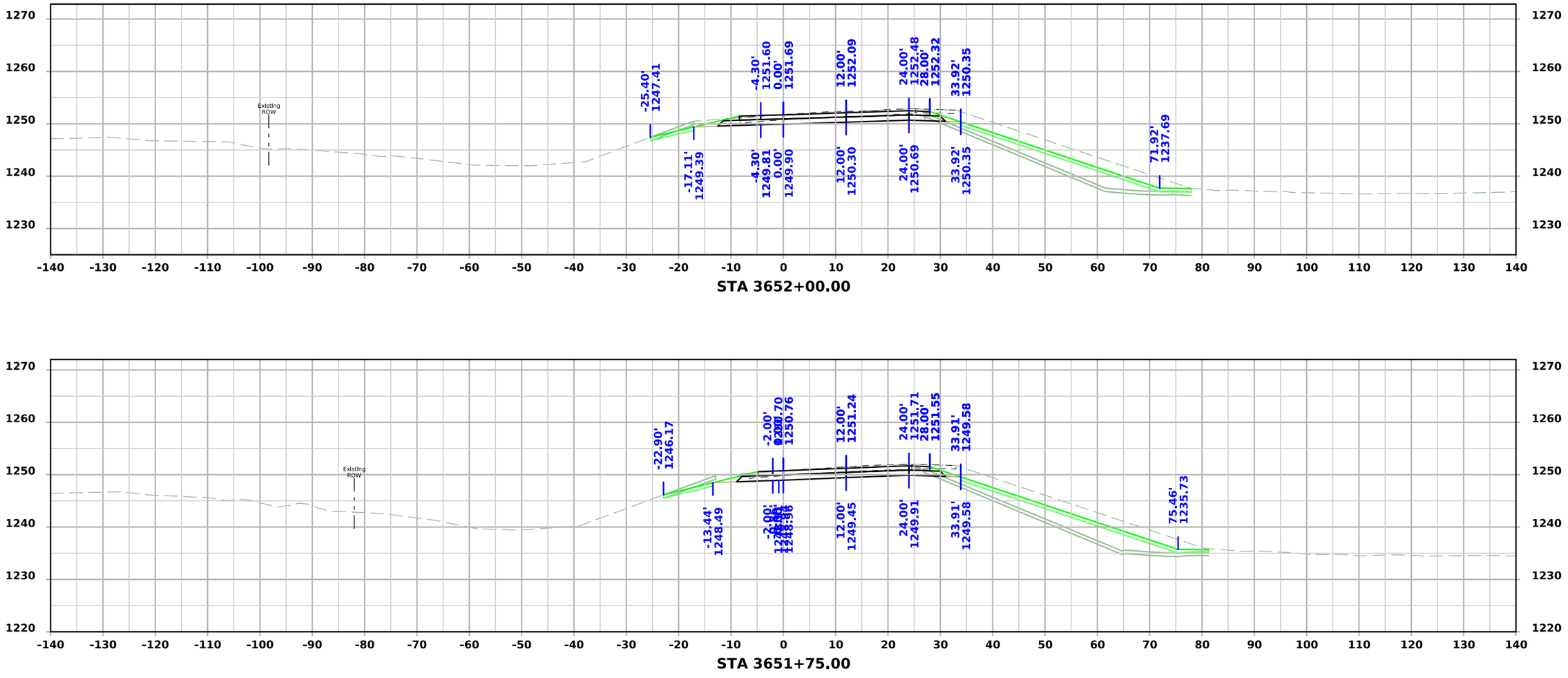


STA 3651+25.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Y.205

11:05:57 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Y.200_78059056Z06.dgn

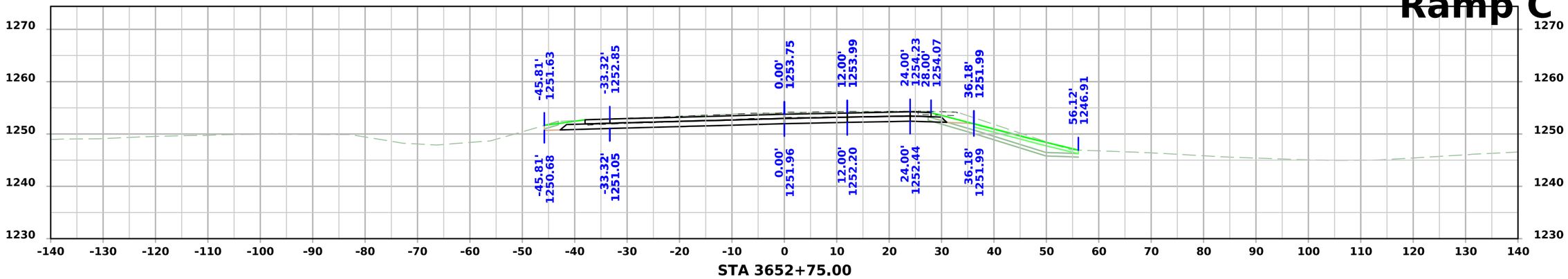
Ramp C



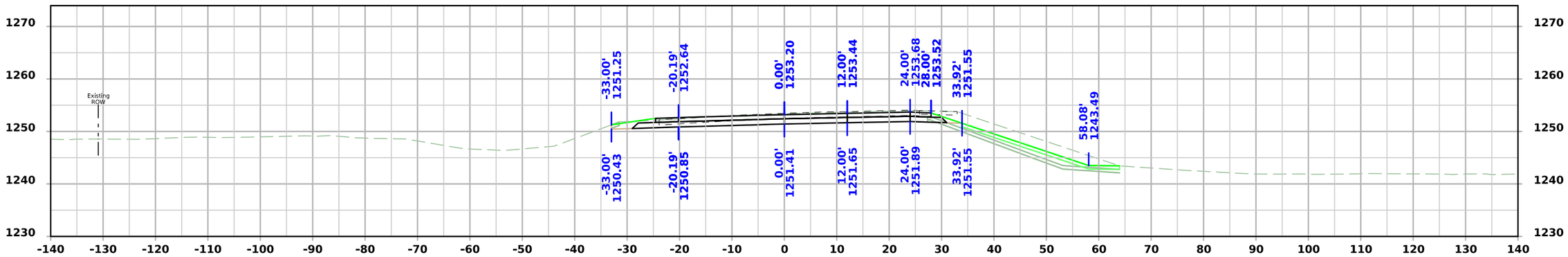
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Y.206

11:05:59 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Y.200_78059056Z06.dgn

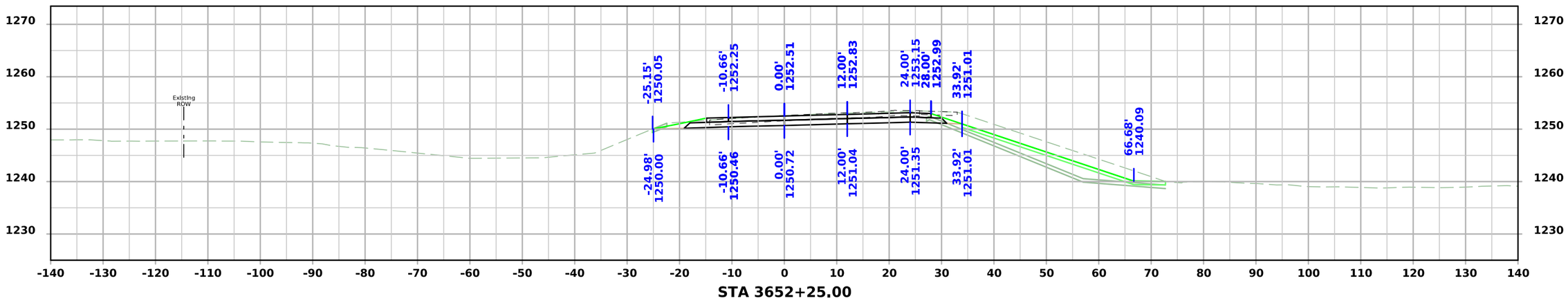
Ramp C



STA 3652+75.00



STA 3652+50.00

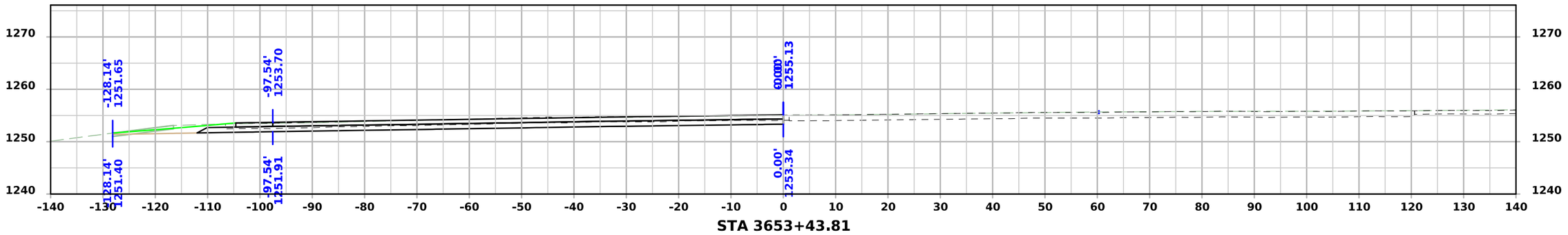


STA 3652+25.00

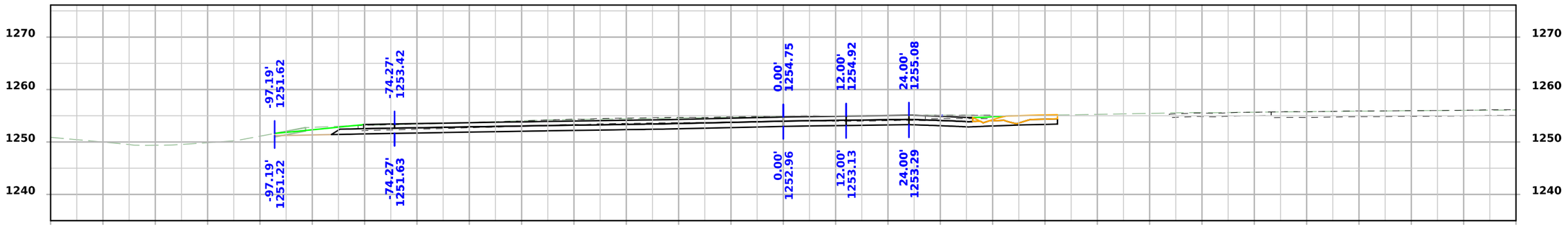
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Y.207	

11:06:02 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Y.200_78059056Z06.dgn

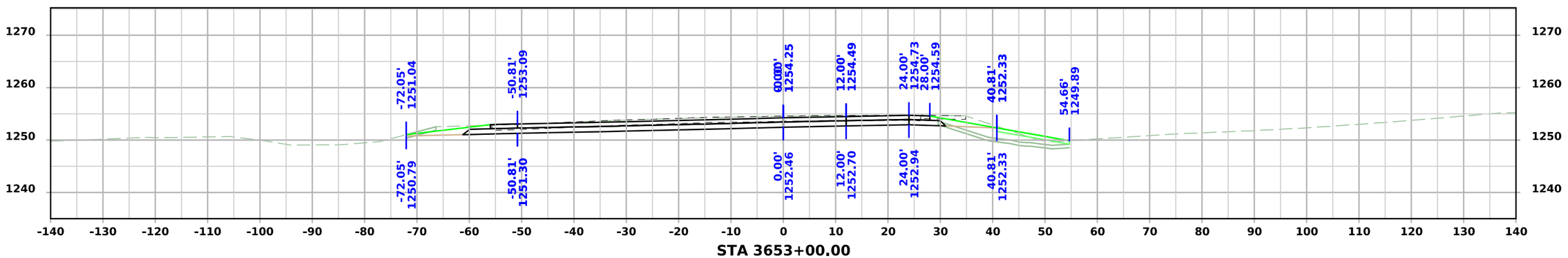
Ramp C



STA 3653+43.81



STA 3653+25.00

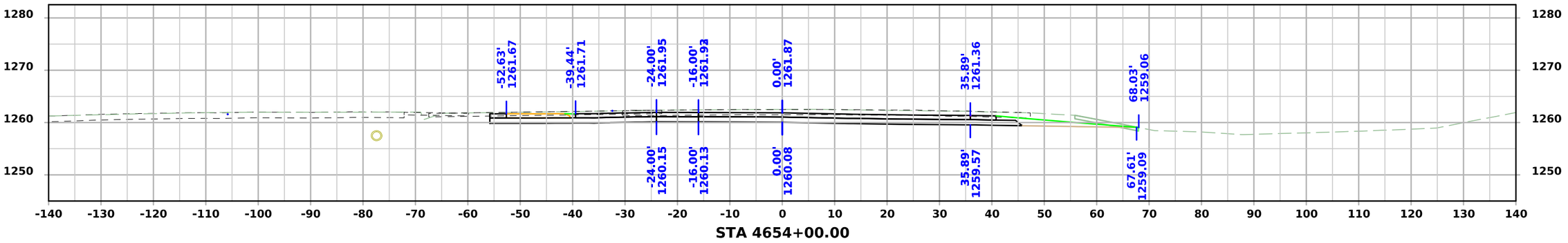


STA 3653+00.00

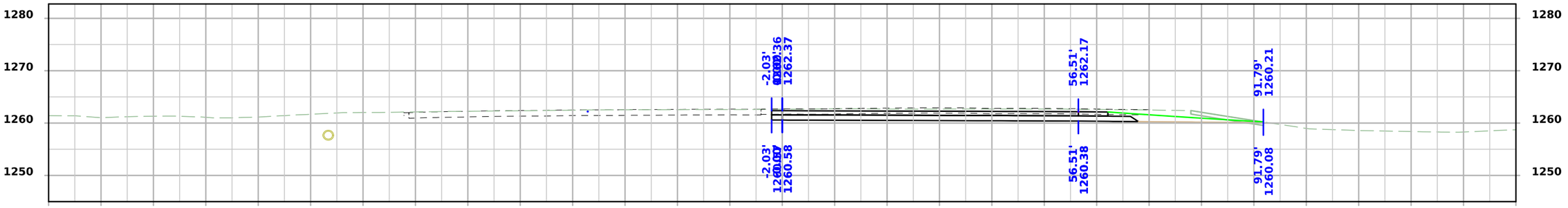
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Y.208

11:06:05 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Y.200_78059056Z06.dgn

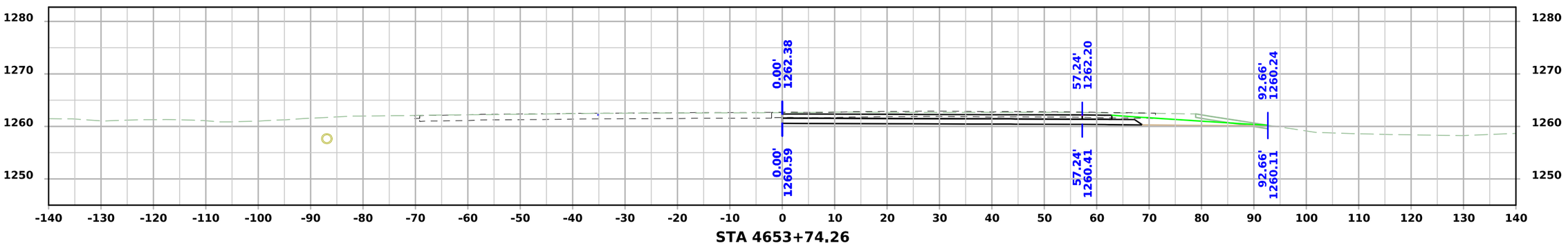
Ramp D



STA 4654+00.00



STA 4653+75.00

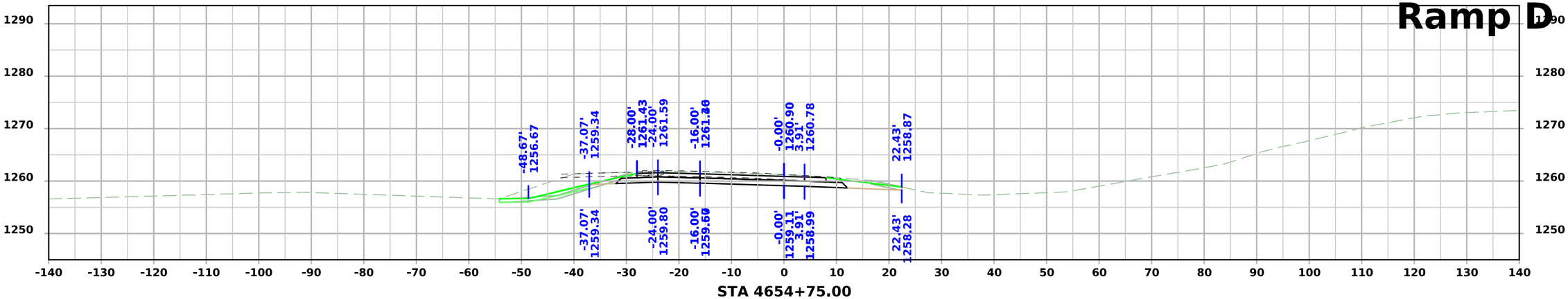


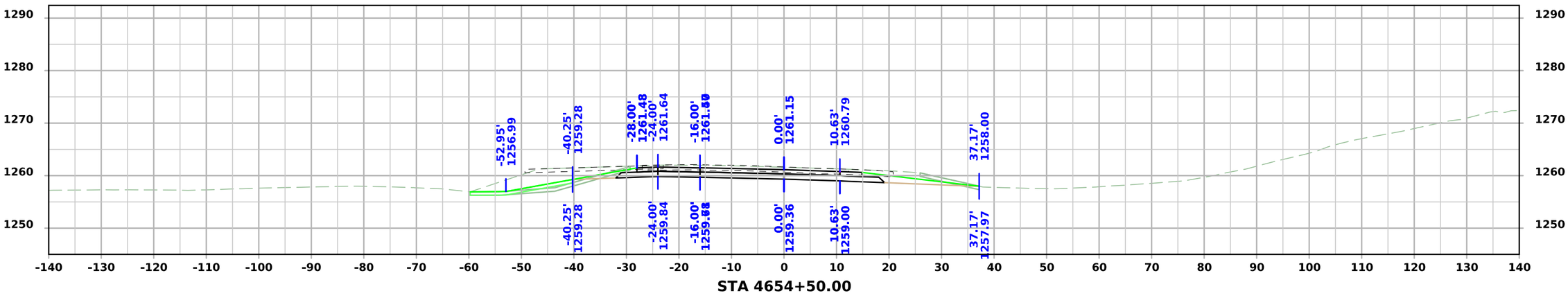
STA 4653+74.26

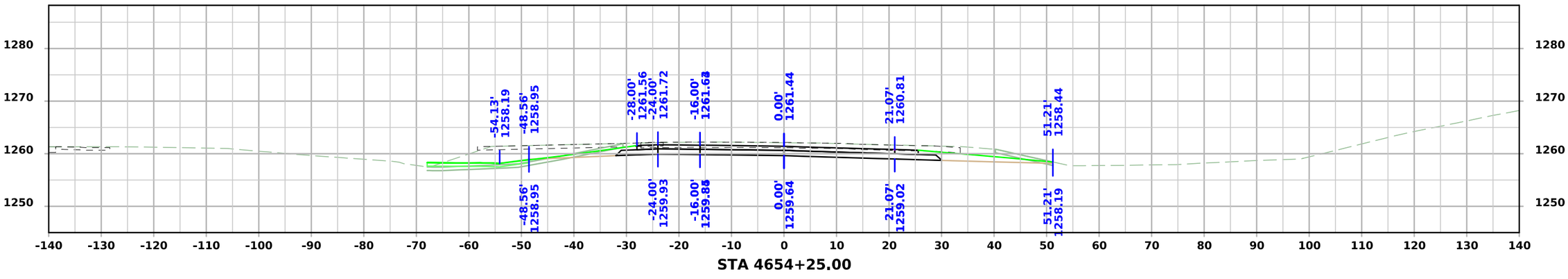
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Y.300

11:11:46 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Y.300_78059056Z06.dgn

Ramp D



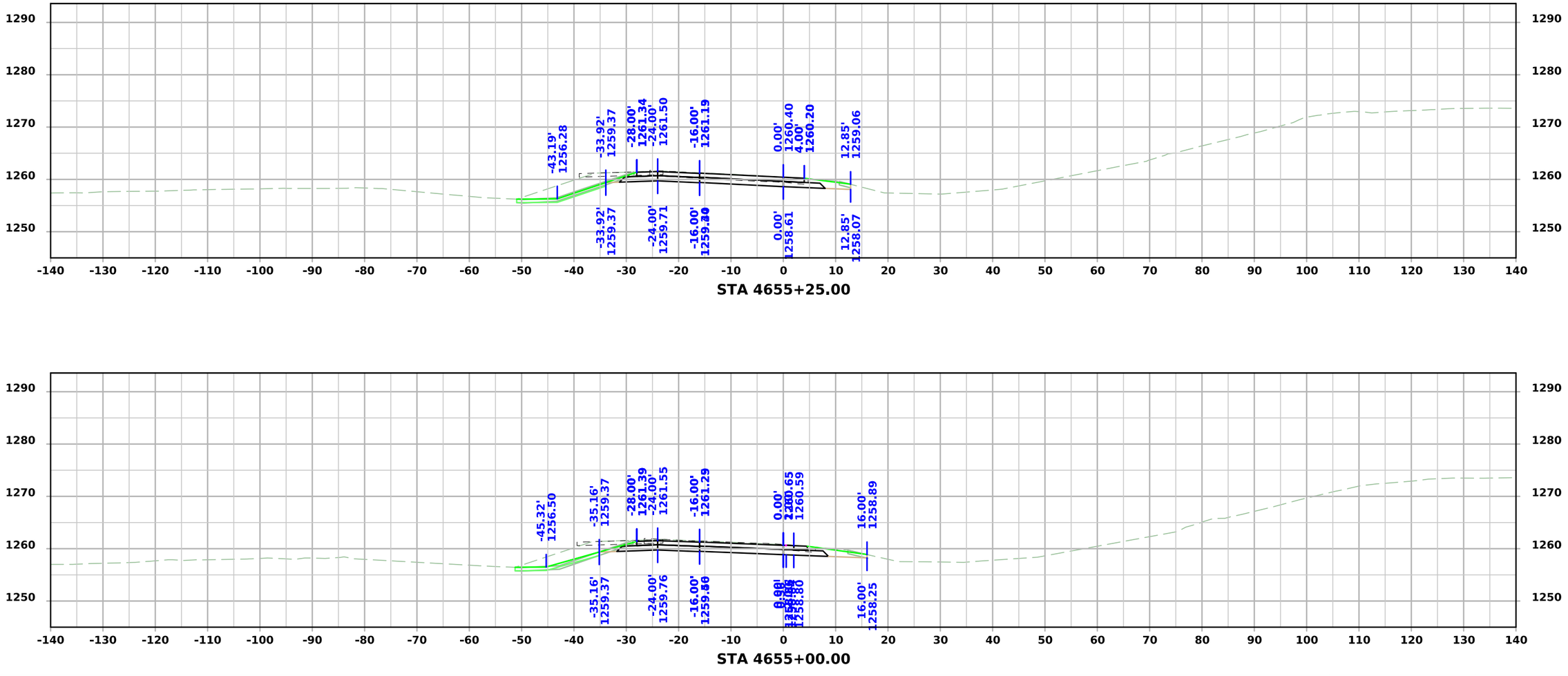




FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Y.301

11:11:49 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Y.300_78059056Z06.dgn

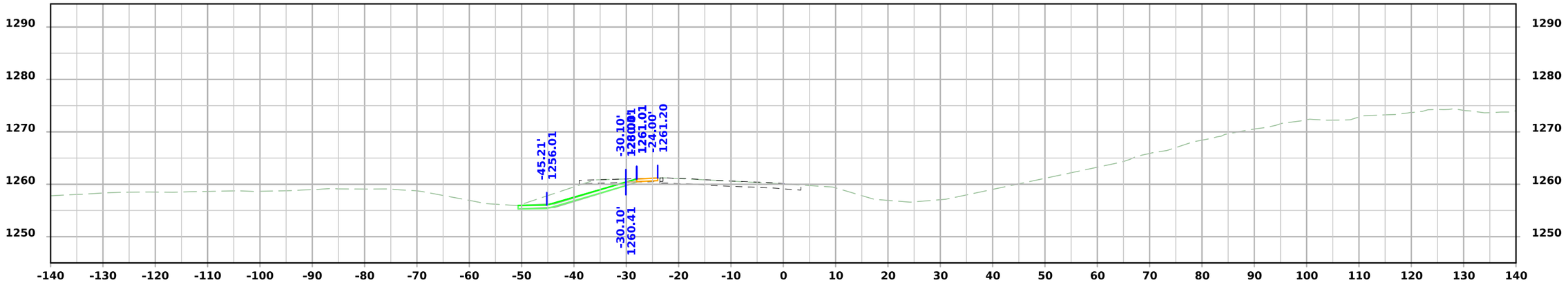
Ramp D



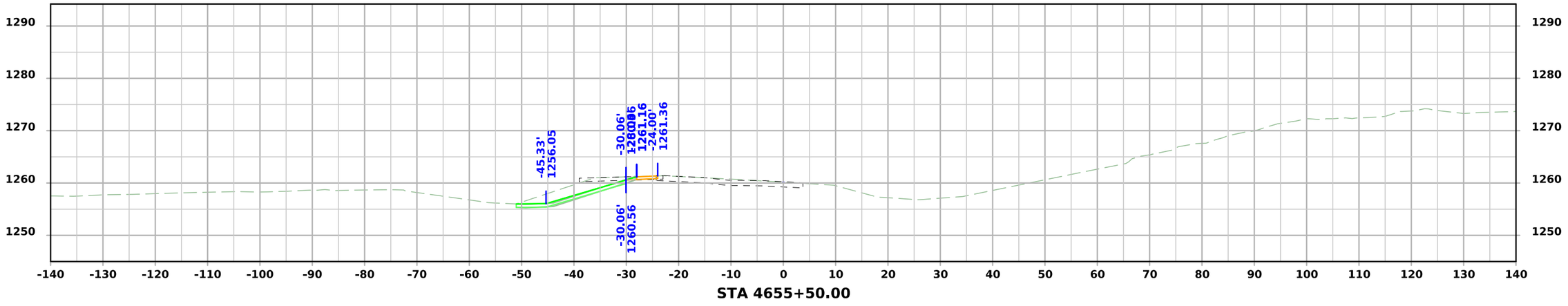
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Y.302

11:11:51 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Y.300_78059056Z06.dgn

Ramp D



STA 4655+75.00

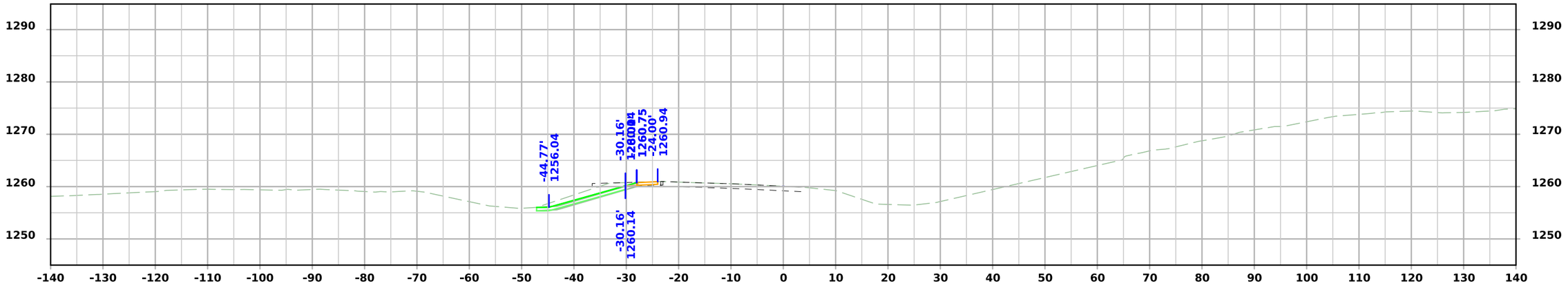


STA 4655+50.00

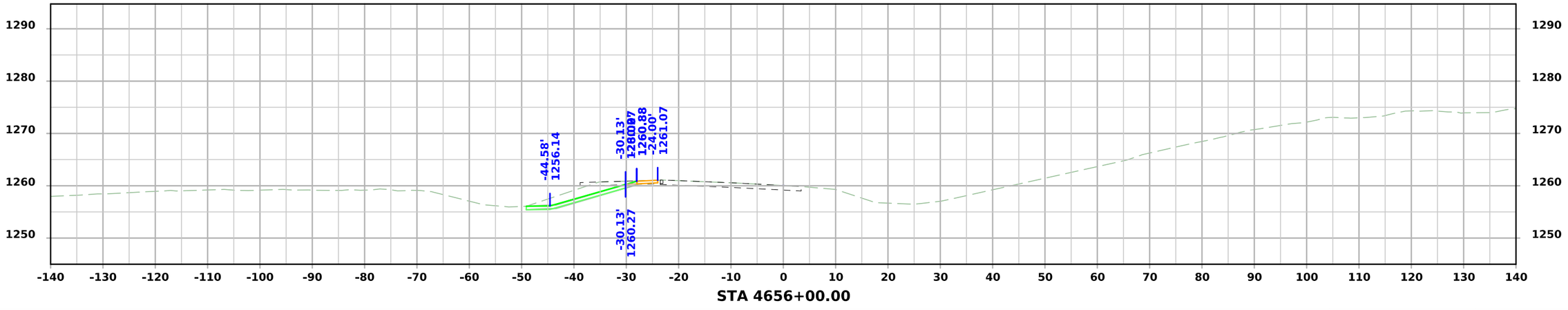
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Y.303

11:11:53 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Y.300_78059056Z06.dgn

Ramp D



STA 4656+25.00

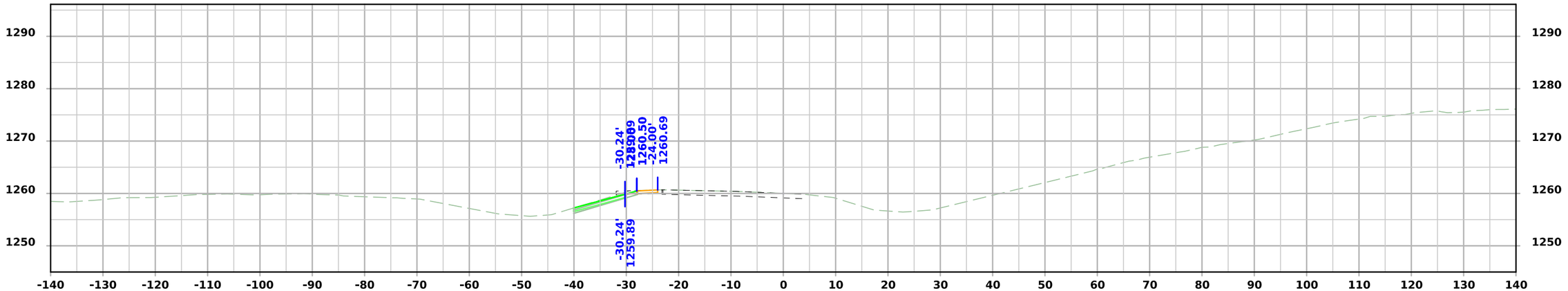


STA 4656+00.00

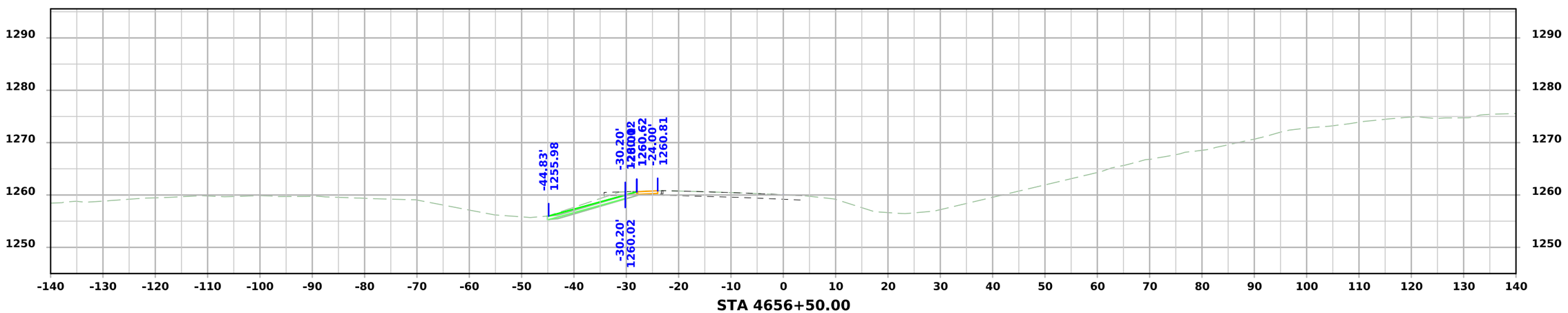
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Y.304

11:11:55 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Y.300_78059056Z06.dgn

Ramp D



STA 4656+75.00

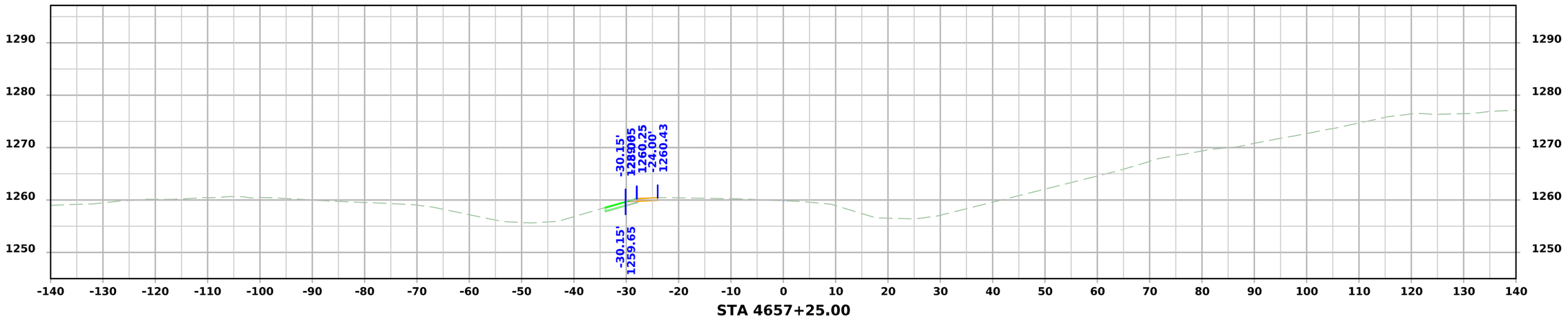


STA 4656+50.00

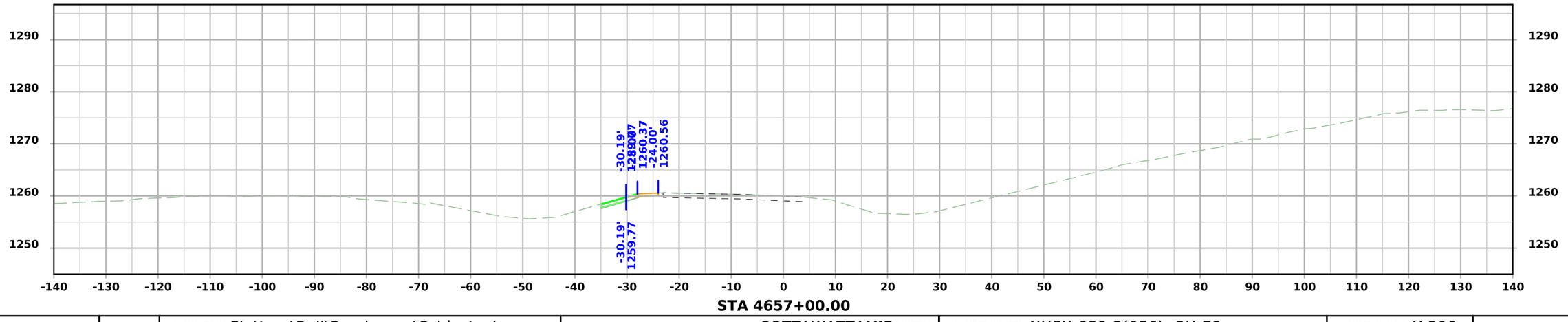
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Y.305

11:11:56 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Y.300_78059056Z06.dgn

Ramp D



STA 4657+25.00

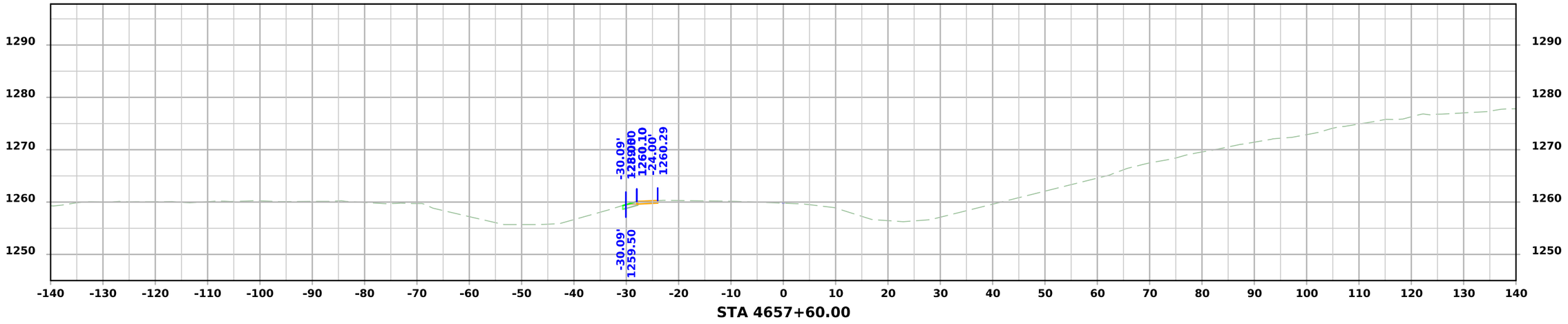


STA 4657+00.00

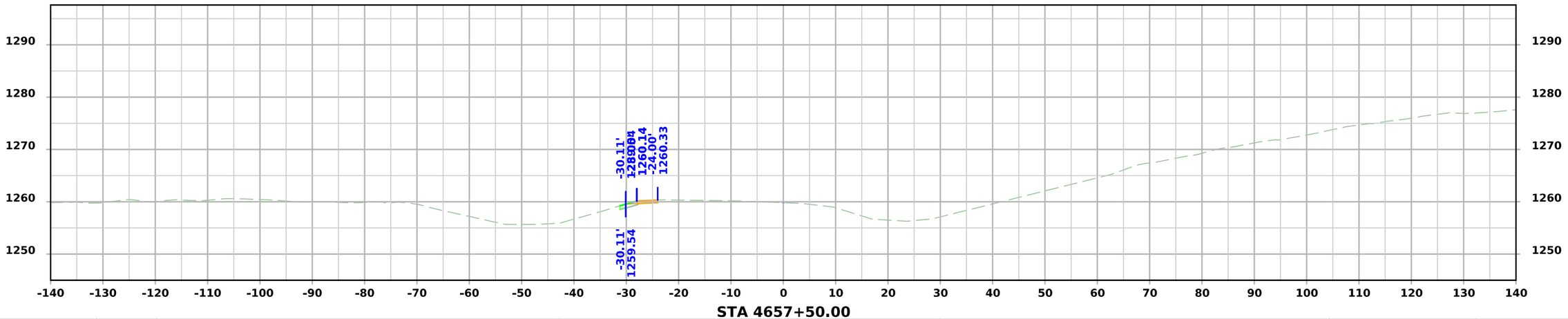
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Y.306

11:11:58 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Y.300_78059056Z06.dgn

Ramp D



STA 4657+60.00

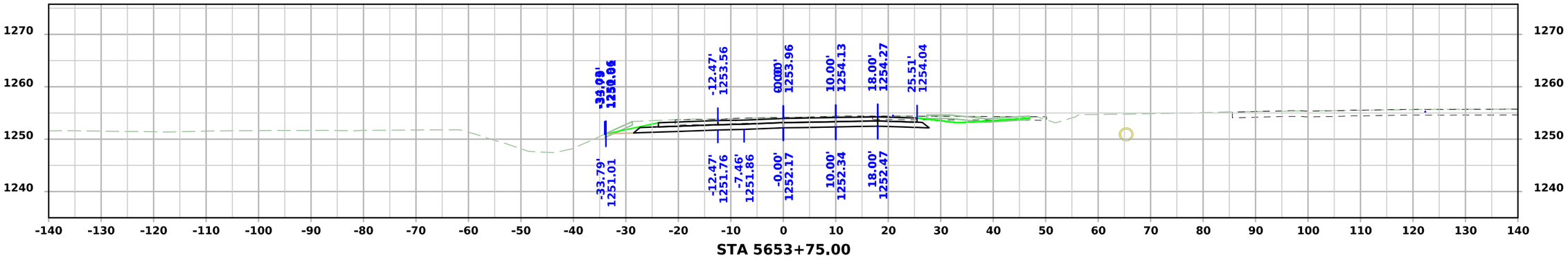


STA 4657+50.00

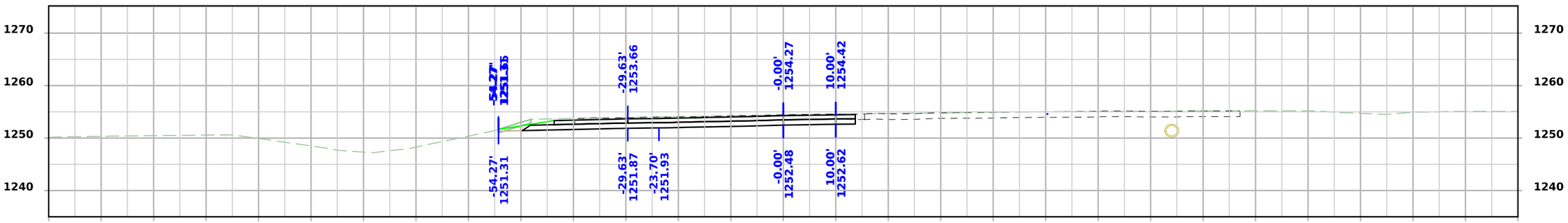
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Y.307

11:12:00 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Y.300_78059056Z06.dgn

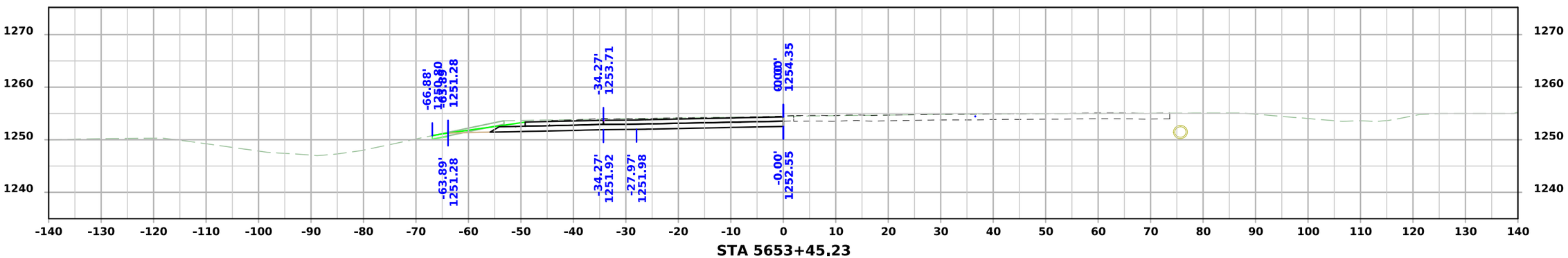
Ramp E



STA 5653+75.00



STA 5653+50.00

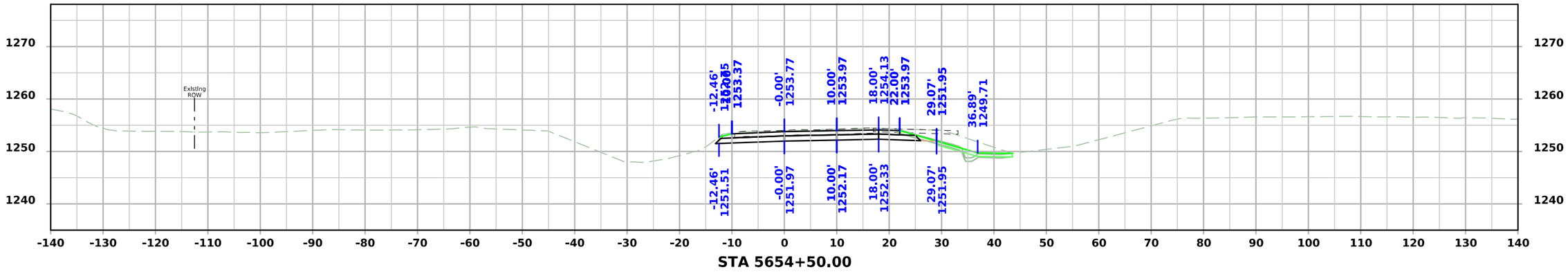


STA 5653+45.23

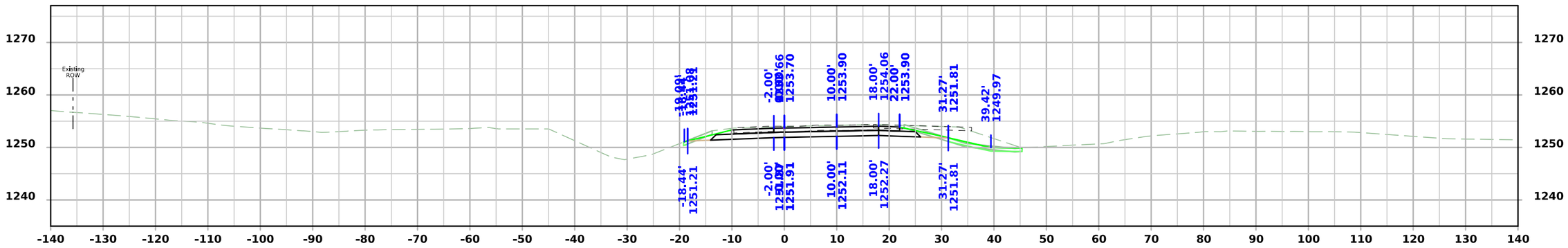
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Y.400

11:15:26 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Y.400_78059056Z06.dgn

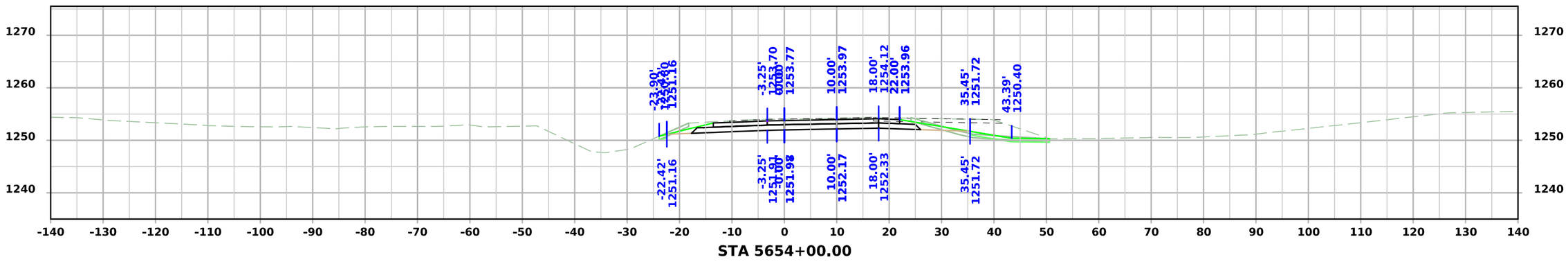
Ramp E



STA 5654+50.00



STA 5654+25.00

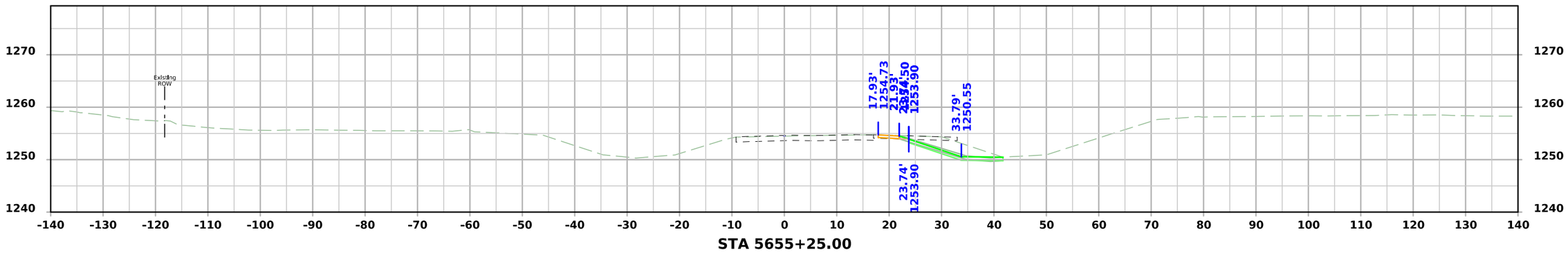


STA 5654+00.00

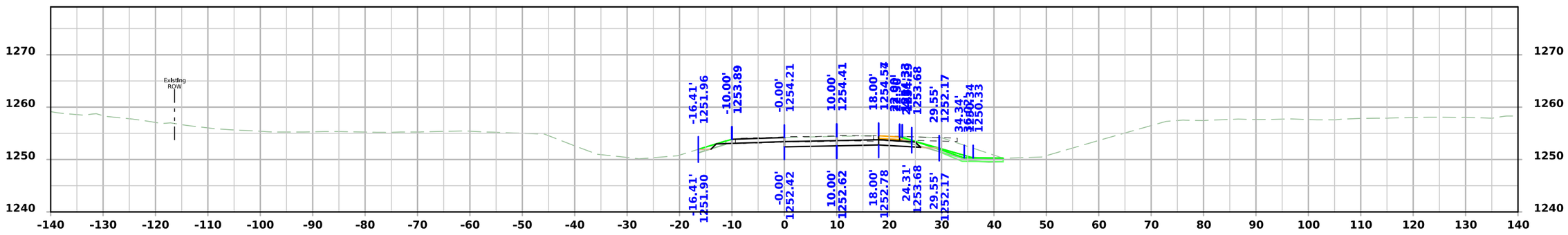
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Y.401

11:15:29 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Y.400_78059056Z06.dgn

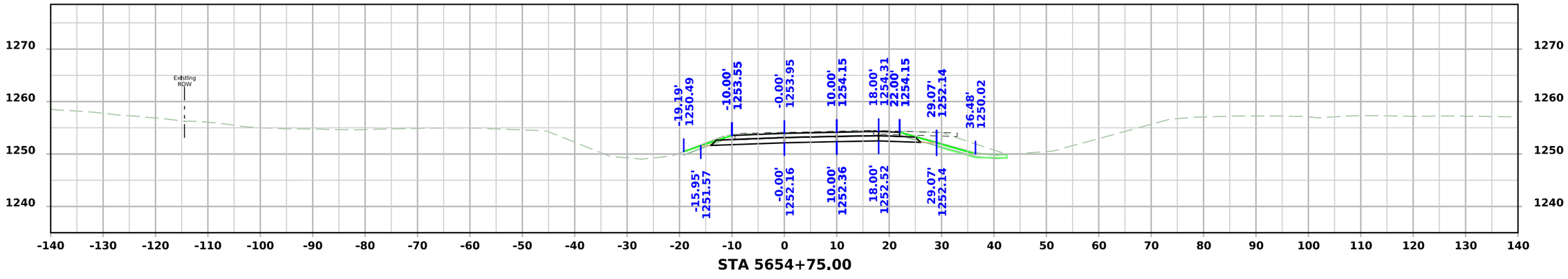
Ramp E



STA 5655+25.00



STA 5655+00.00

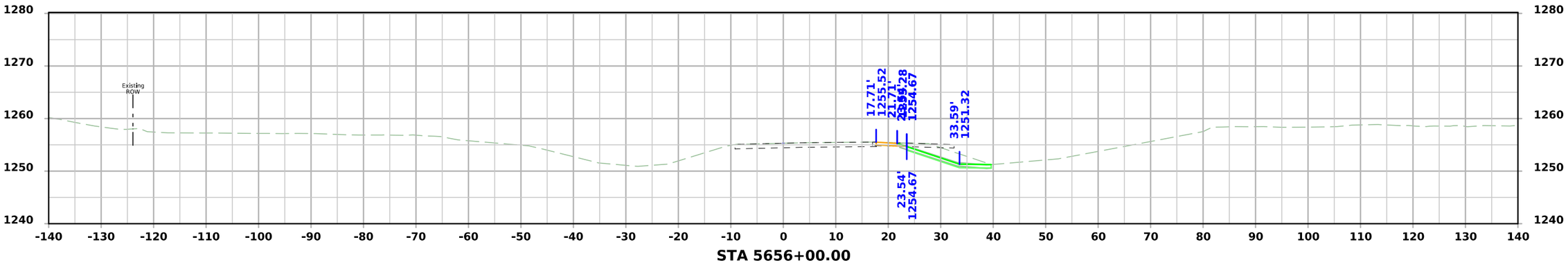


STA 5654+75.00

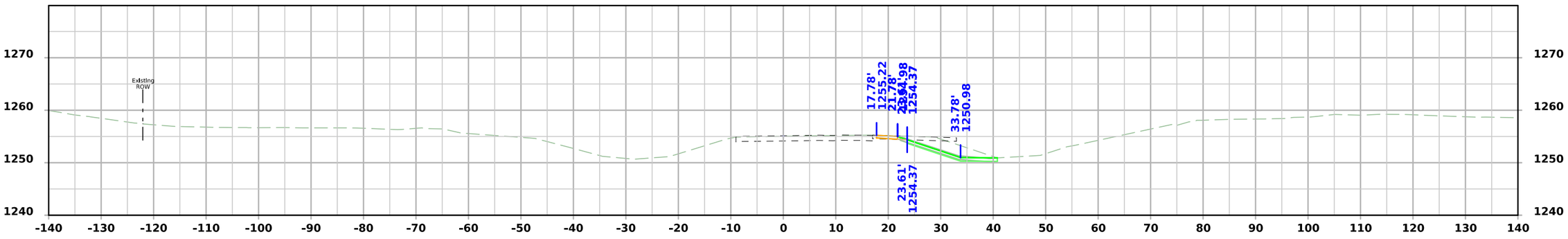
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Y.402

11:15:32 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Y.400_78059056Z06.dgn

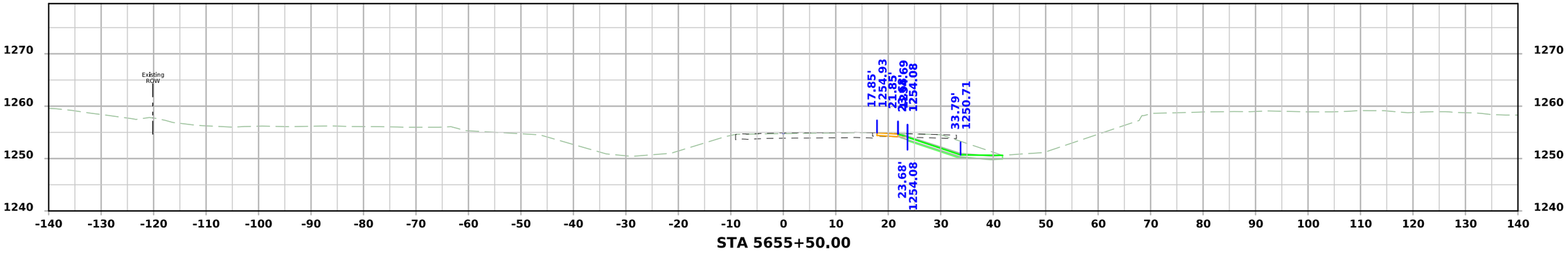
Ramp E



STA 5656+00.00



STA 5655+75.00

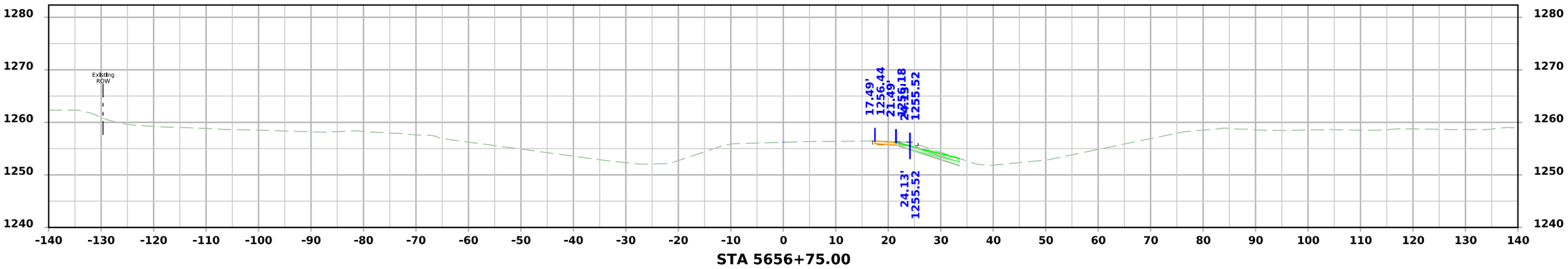


STA 5655+50.00

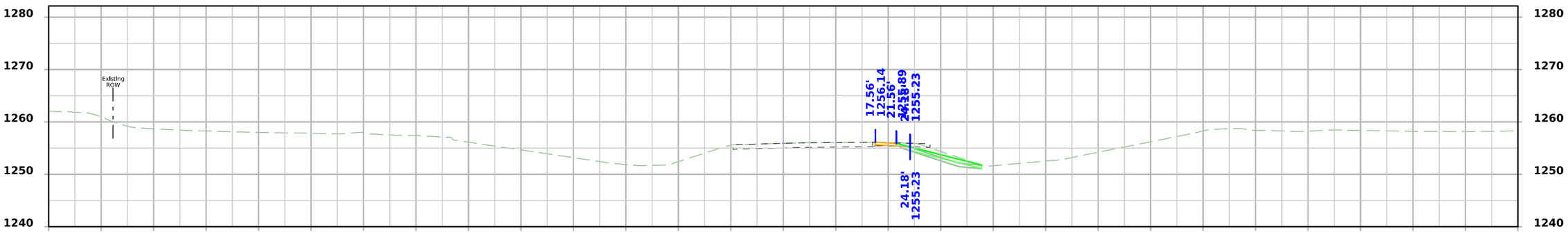
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Y.403

11:15:35 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Y.400_78059056Z06.dgn

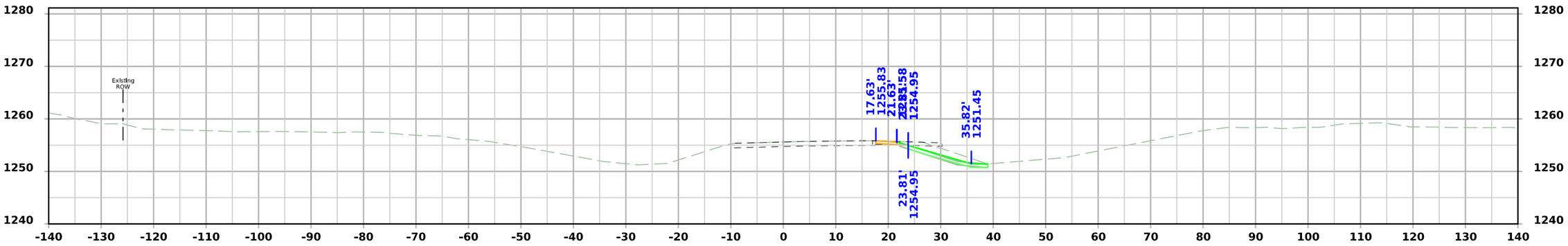
Ramp E



STA 5656+75.00



STA 5656+50.00

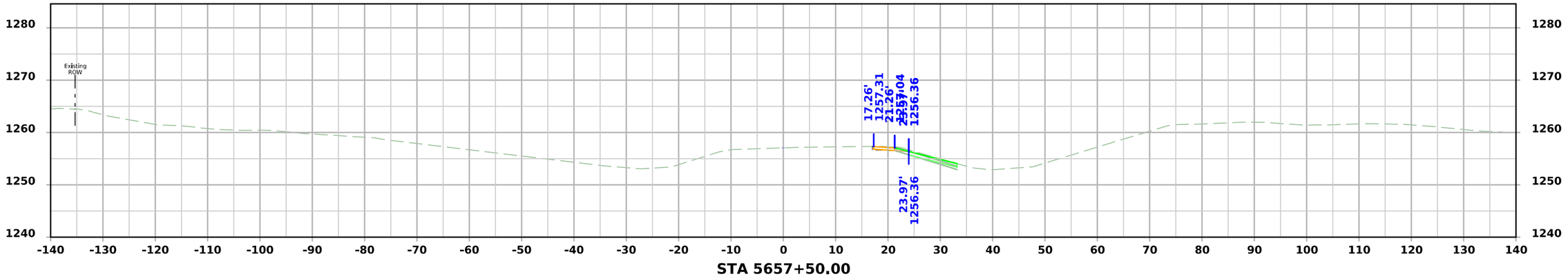


STA 5656+25.00

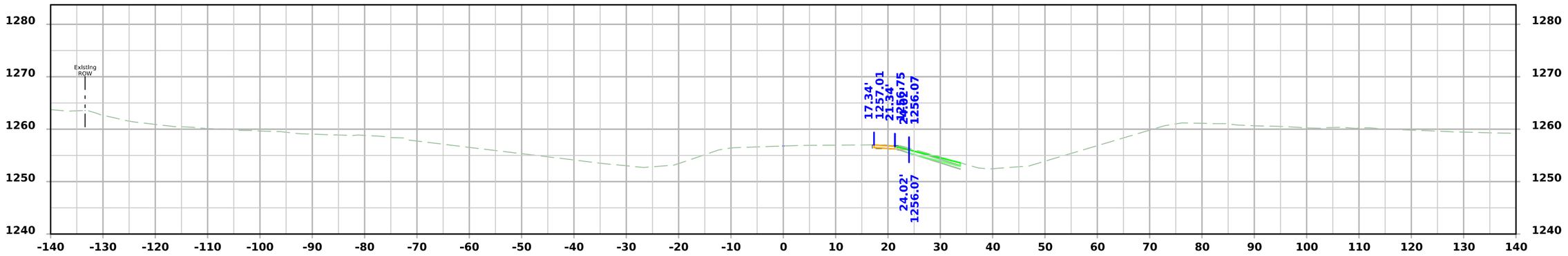
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Y.404	

11:15:37 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Y.400_78059056Z06.dgn

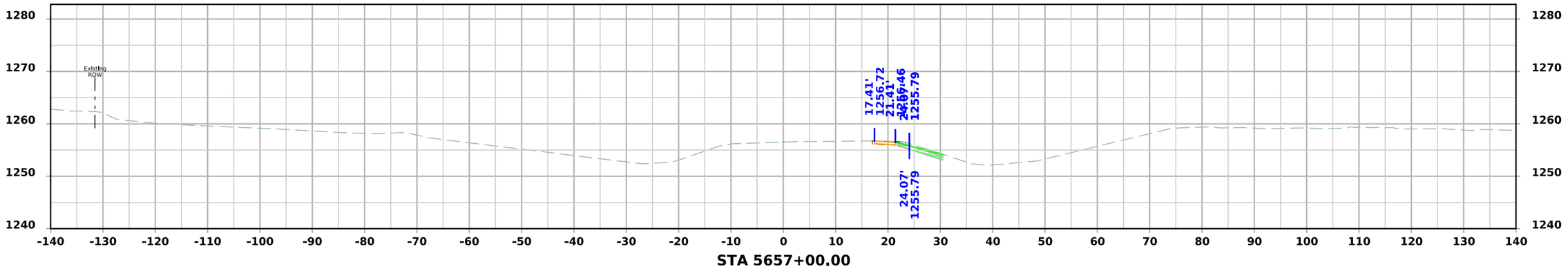
Ramp E



STA 5657+50.00



STA 5657+25.00

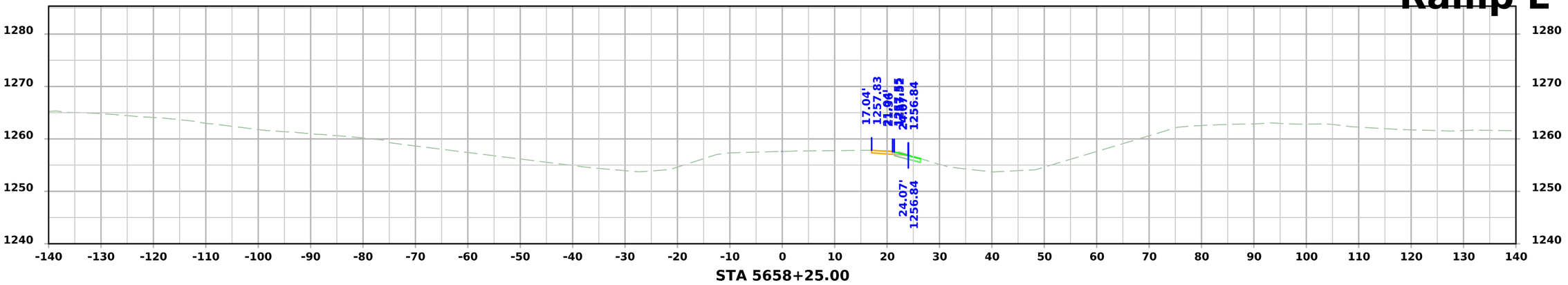


STA 5657+00.00

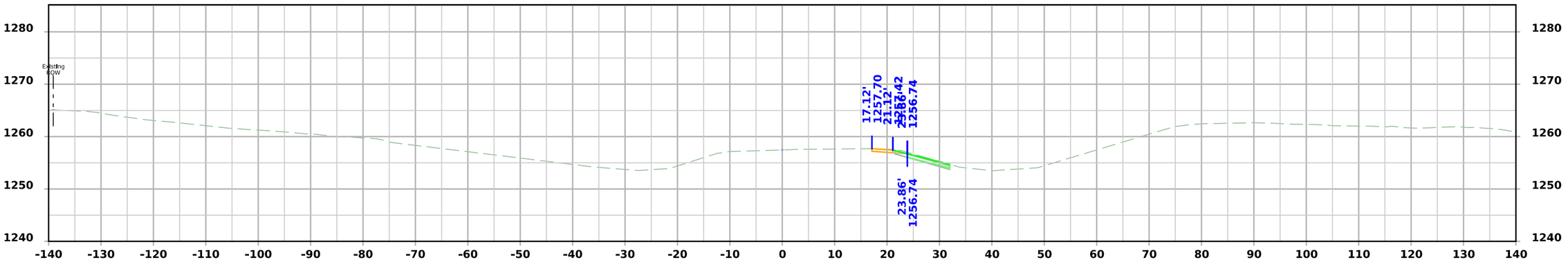
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Y.405

11:15:40 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Y.400_78059056Z06.dgn

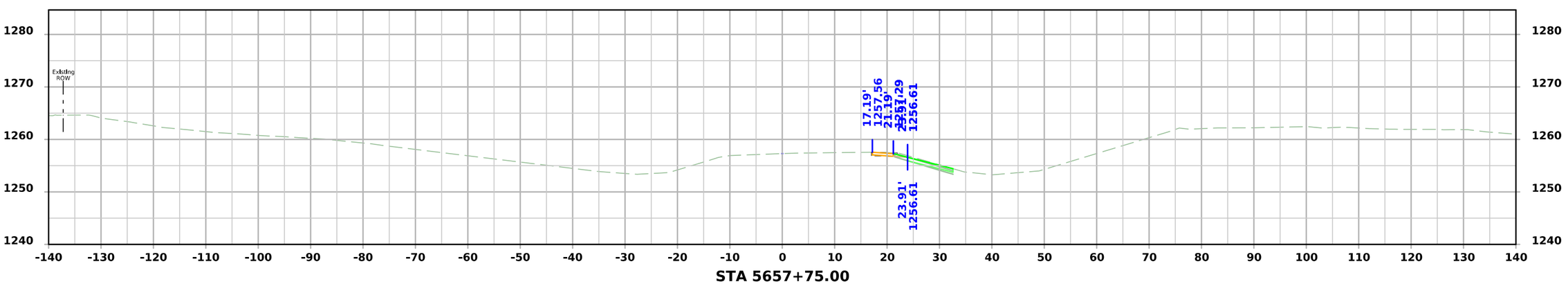
Ramp E



STA 5658+25.00



STA 5658+00.00

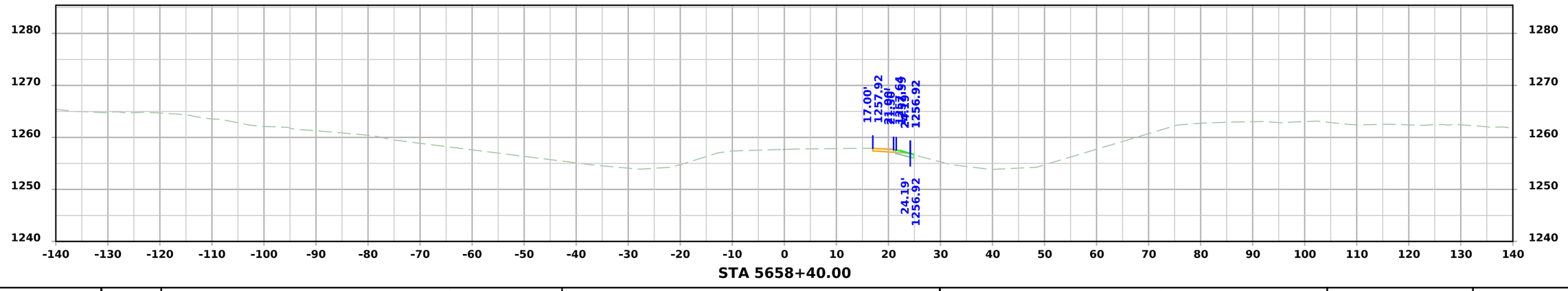


STA 5657+75.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Y.406

11:15:42 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Y.400_78059056Z06.dgn

Ramp E

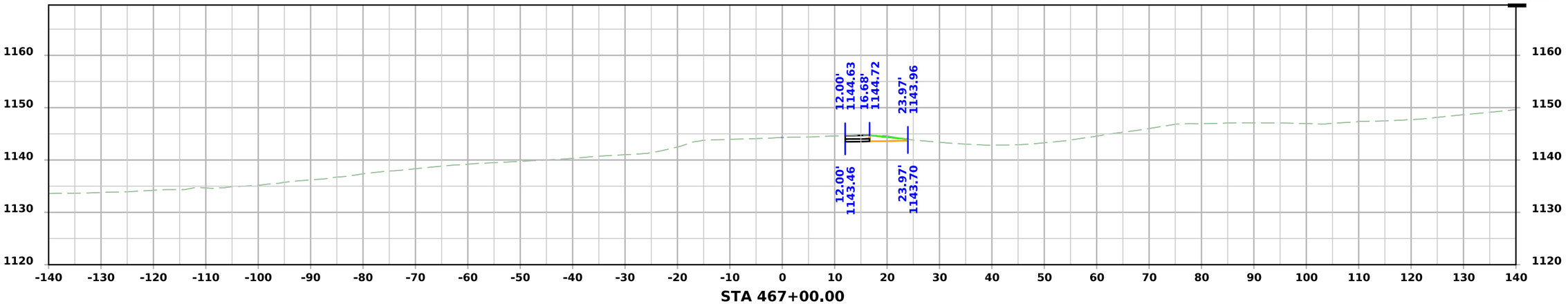


STA 5658+40.00

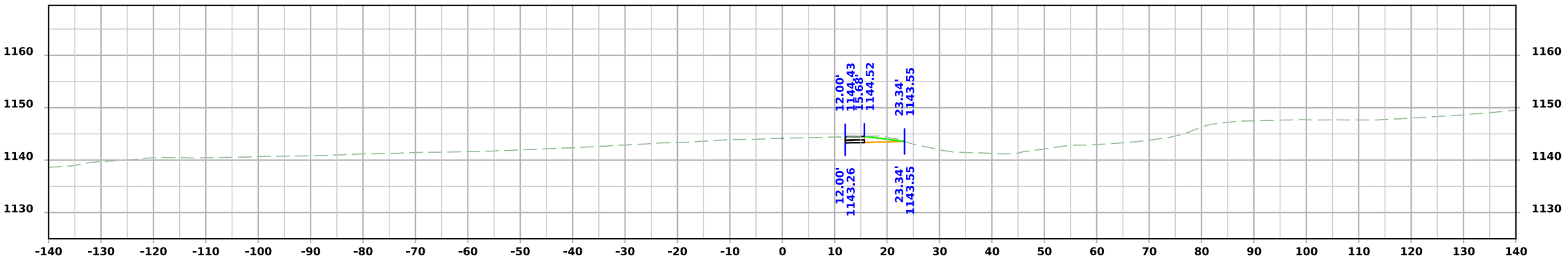
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Y.407

11:15:44 AM 8/21/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Y.400_78059056Z06.dgn

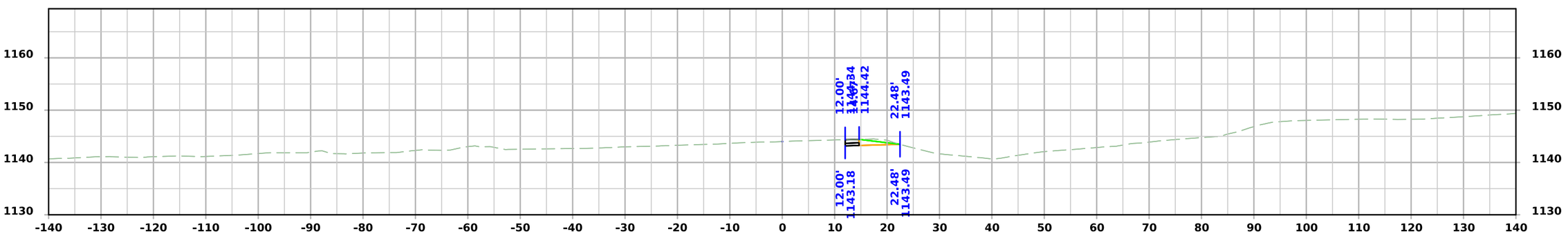
STAGE 1 - DETML059NB_1



STA 467+00.00



STA 466+75.00

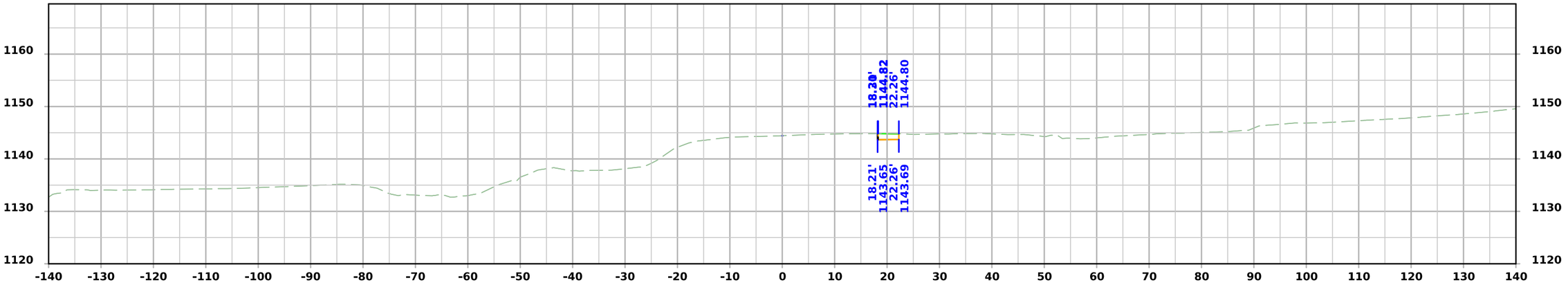


STA 466+50.00

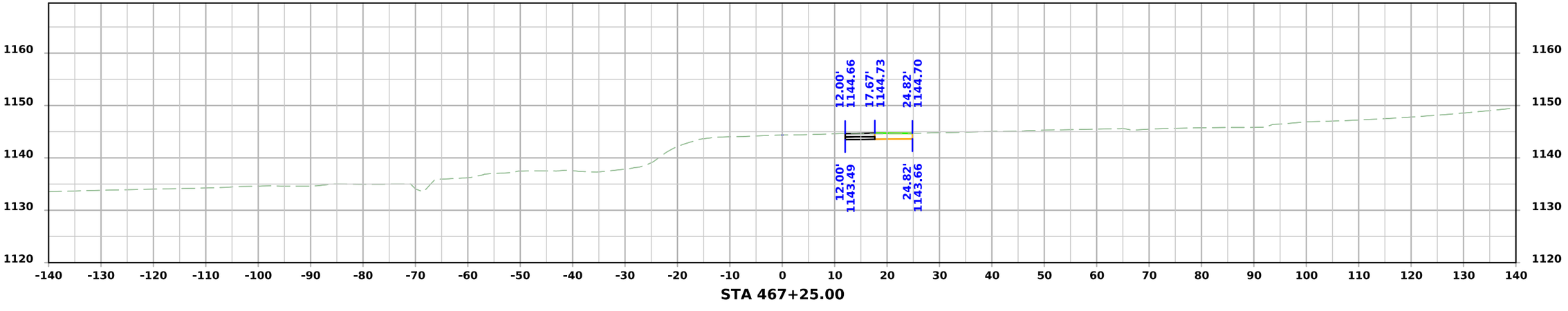
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.100

9:01:08 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

STAGE 1 - DETML059NB_1



STA 467+40.71

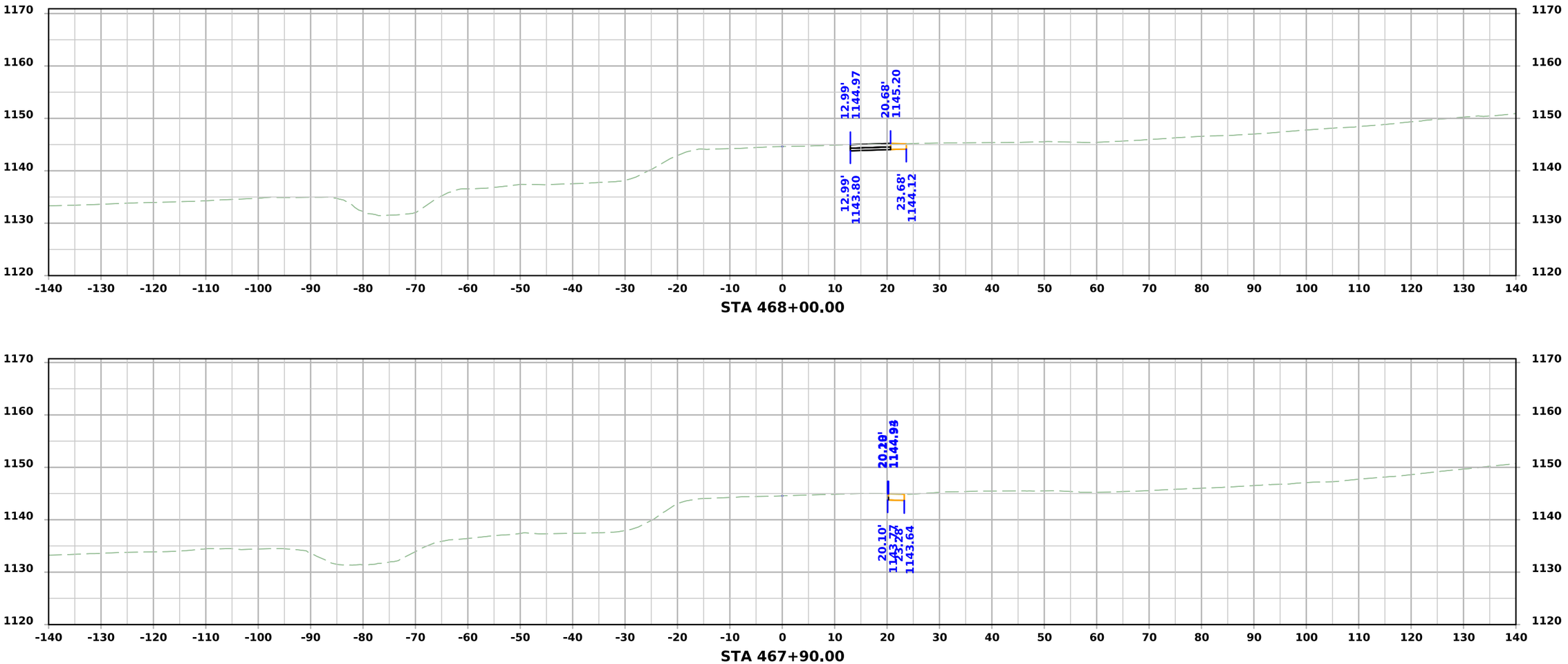


STA 467+25.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.101

9:01:12 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

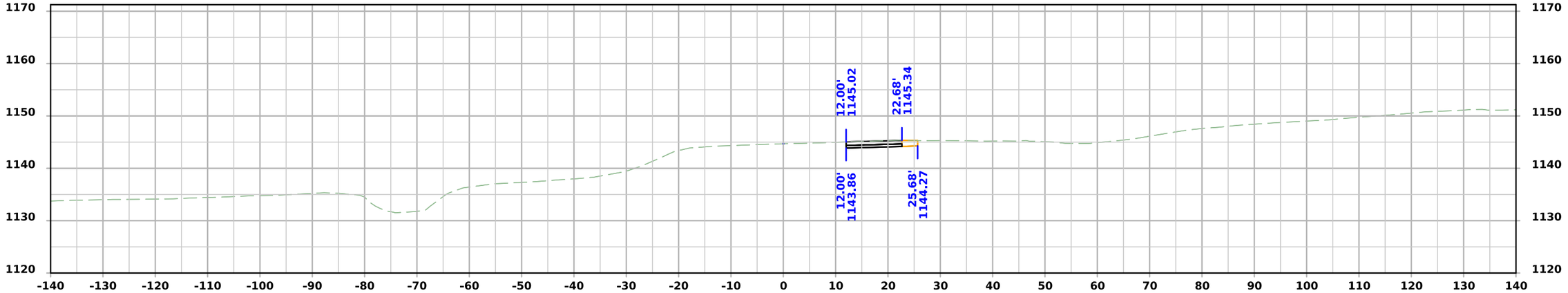
STAGE 1 - DETML059NB_1



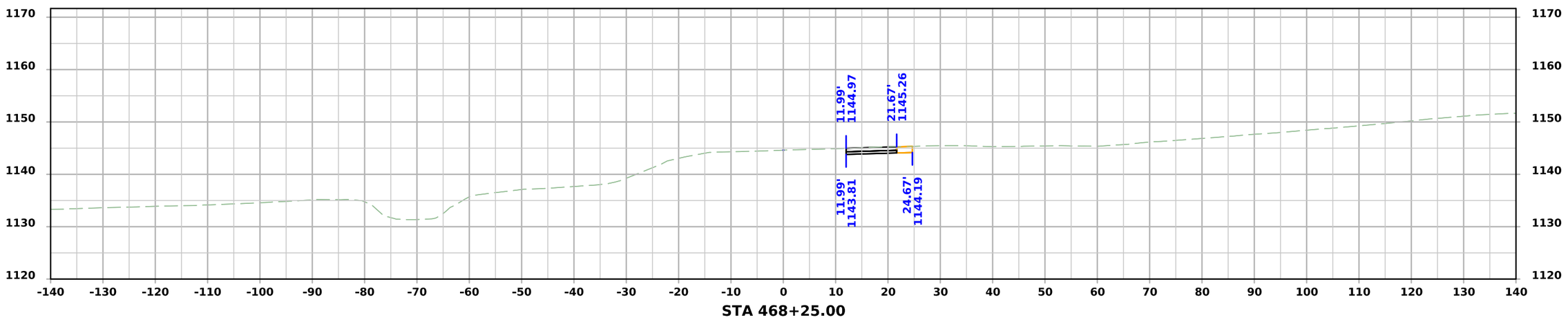
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.102

9:01:16 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

STAGE 1 - DETML059NB_1



STA 468+50.00

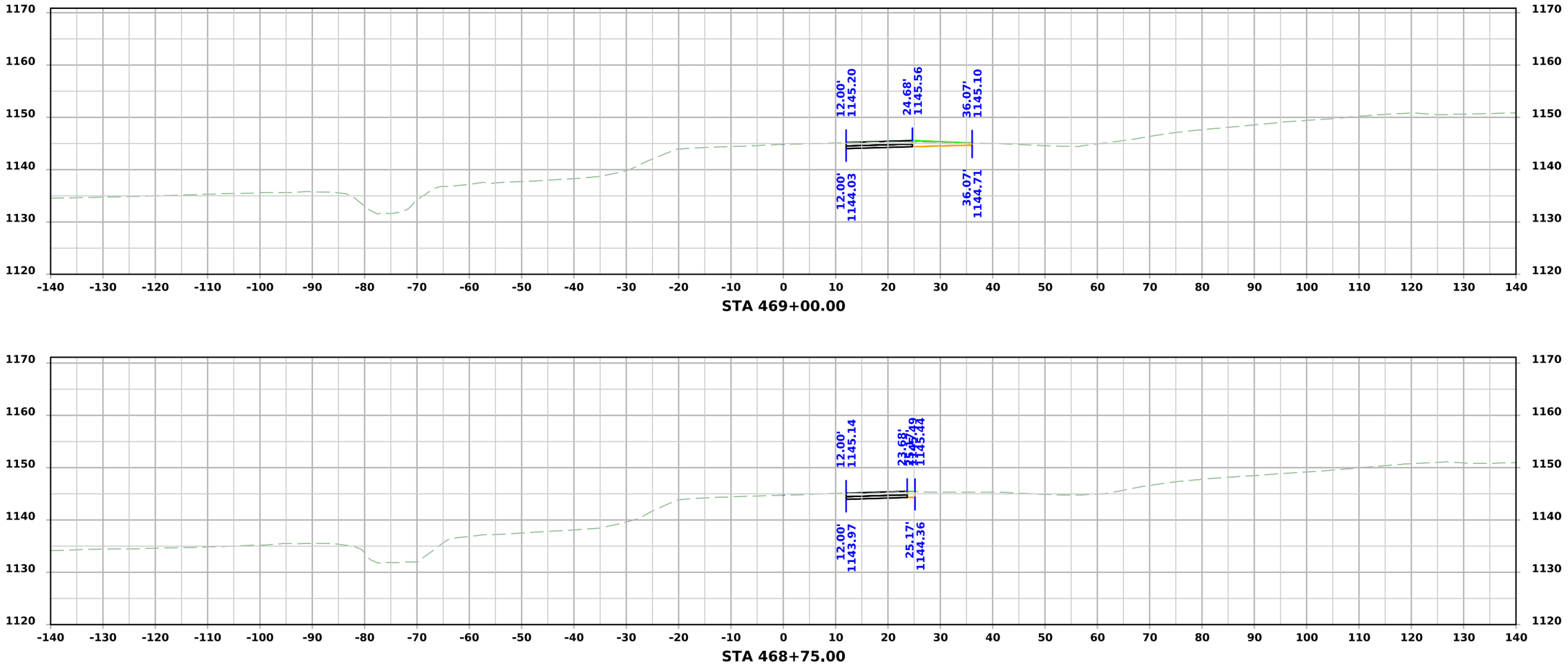


STA 468+25.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.103

9:01:18 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

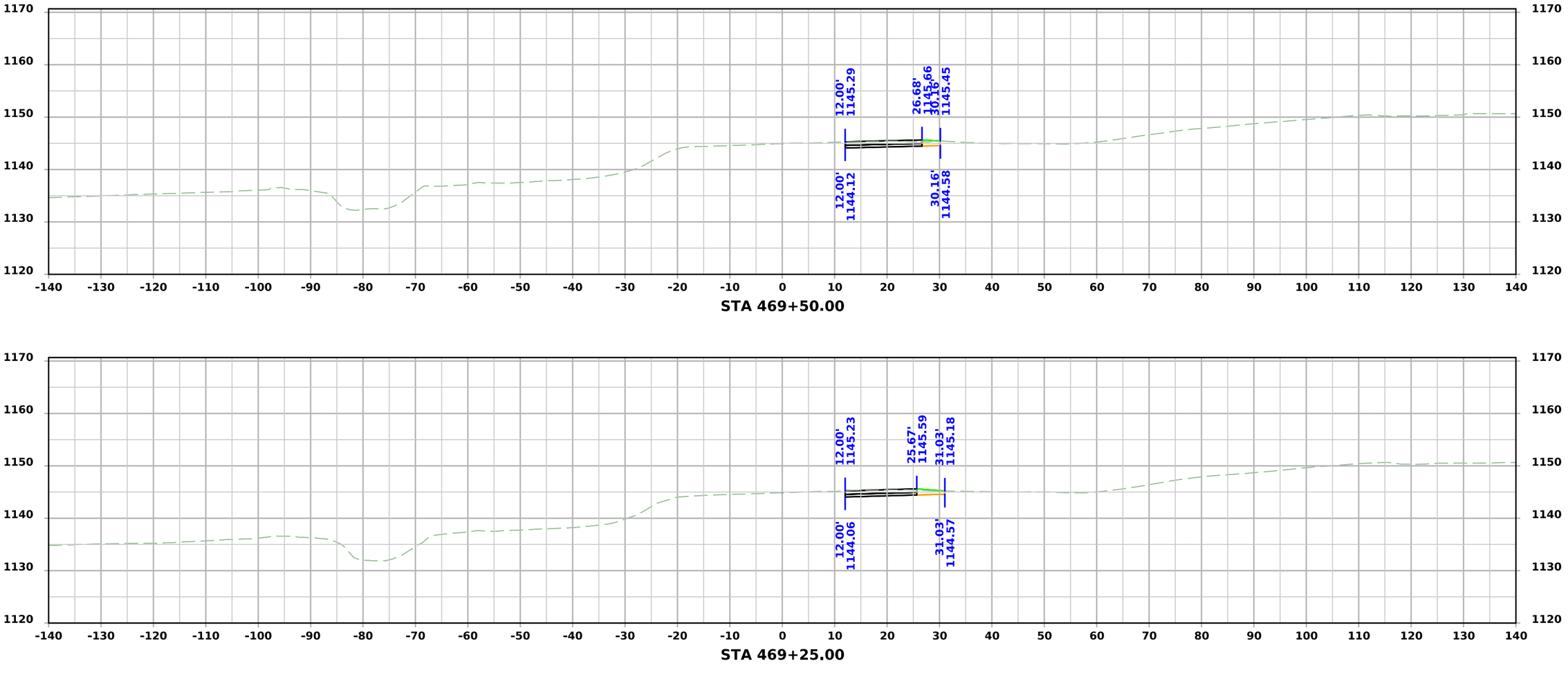
STAGE 1 - DETML059NB_1



FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.104

9:01:19 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

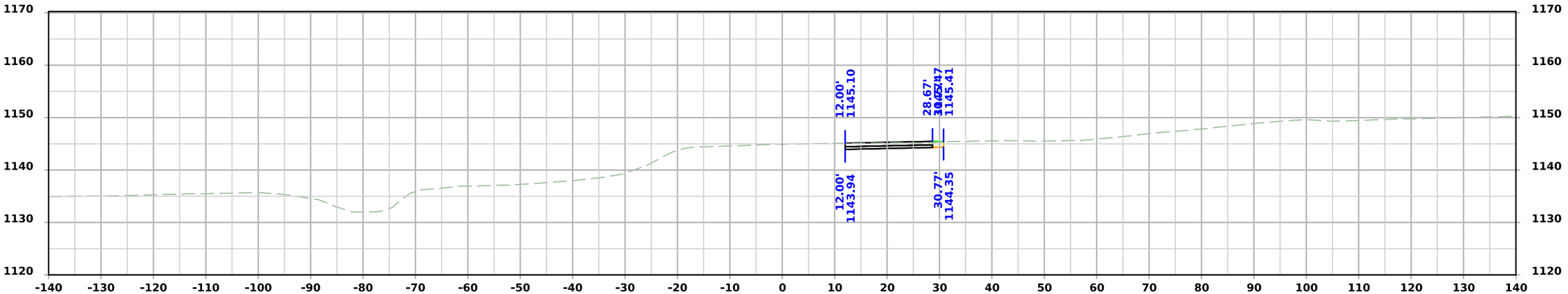
STAGE 1 - DETML059NB_1



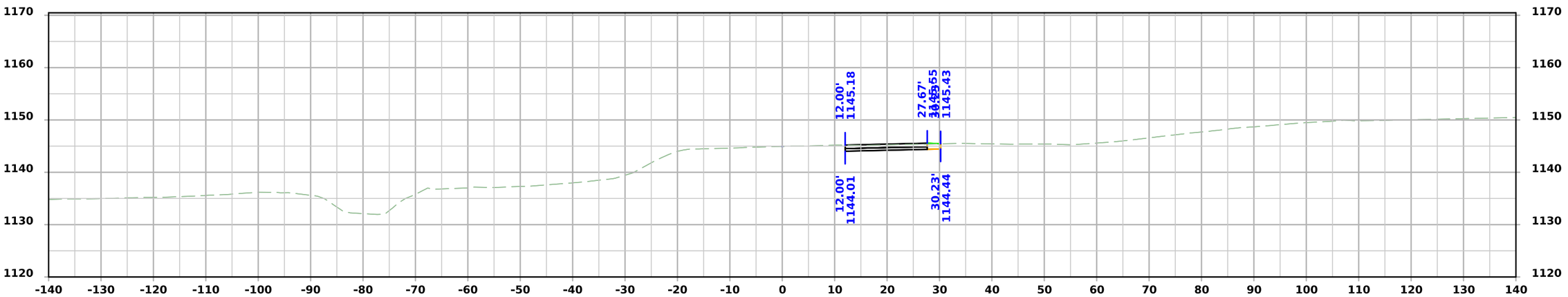
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.105

9:01:21 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

STAGE 1 - DETML059NB_1



STA 470+00.00

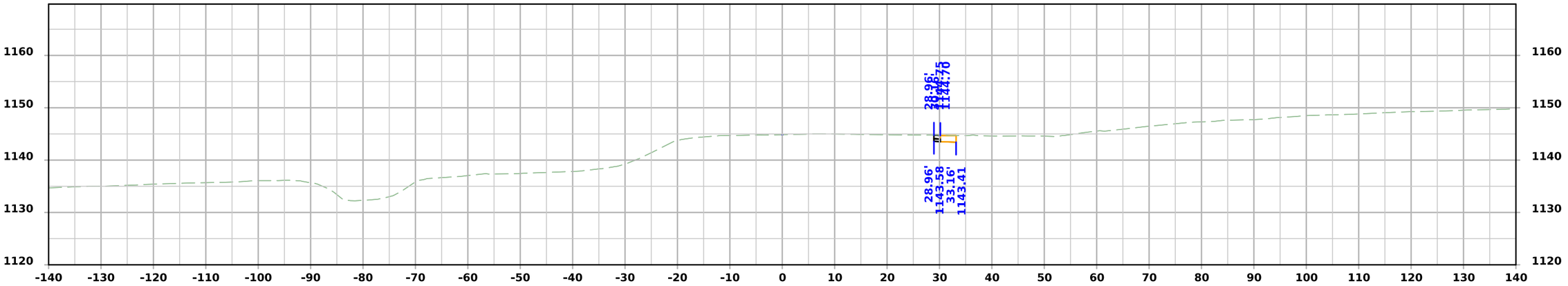


STA 469+75.00

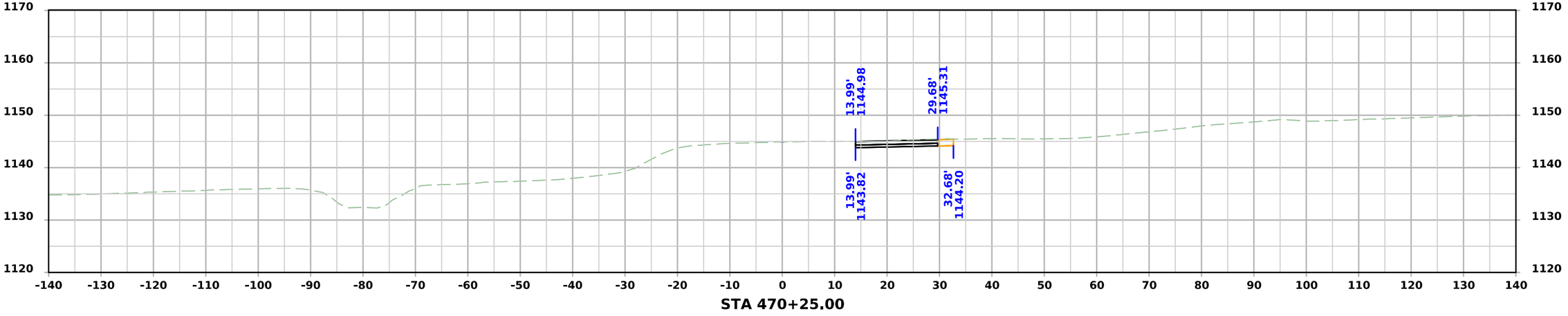
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.106

9:01:23 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

STAGE 1 - DETML059NB_1



STA 470+37.06

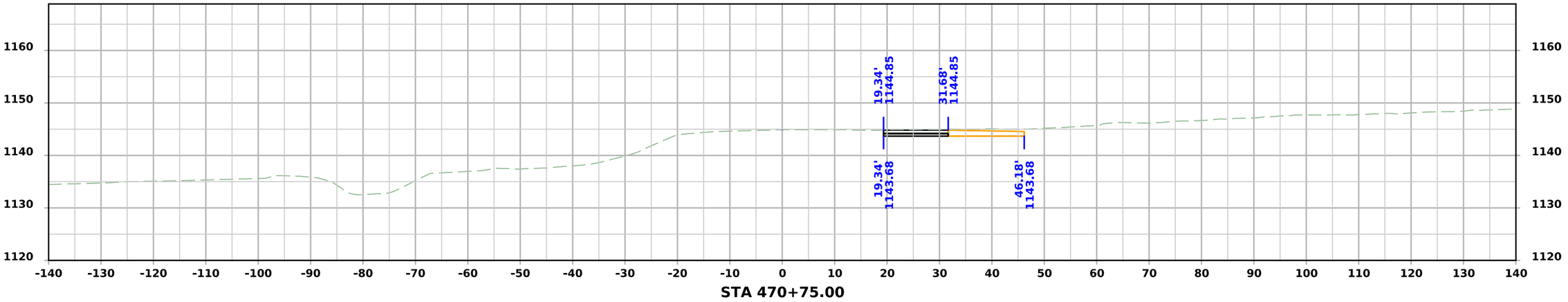


STA 470+25.00

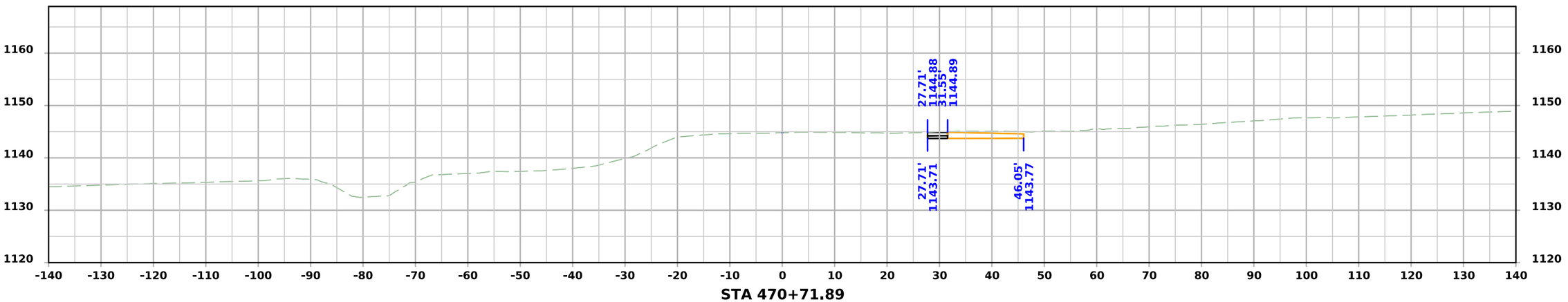
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.107	

9:01:26 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

STAGE 1 - DETML059NB_1



STA 470+75.00

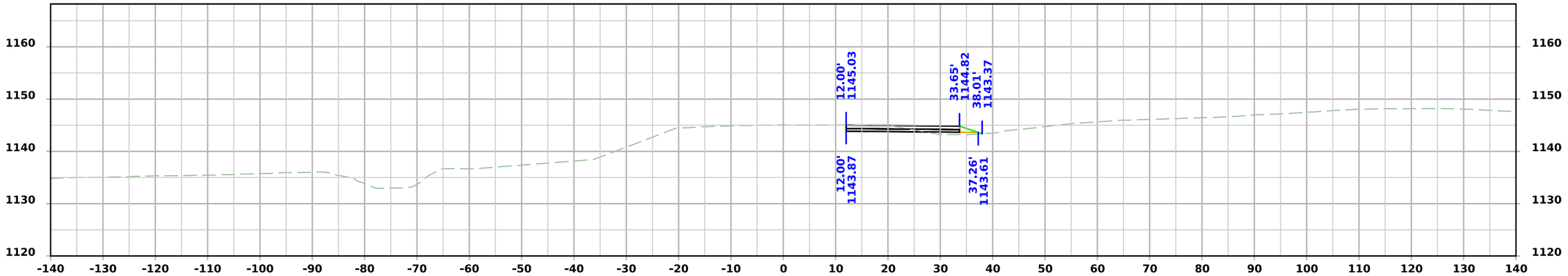


STA 470+71.89

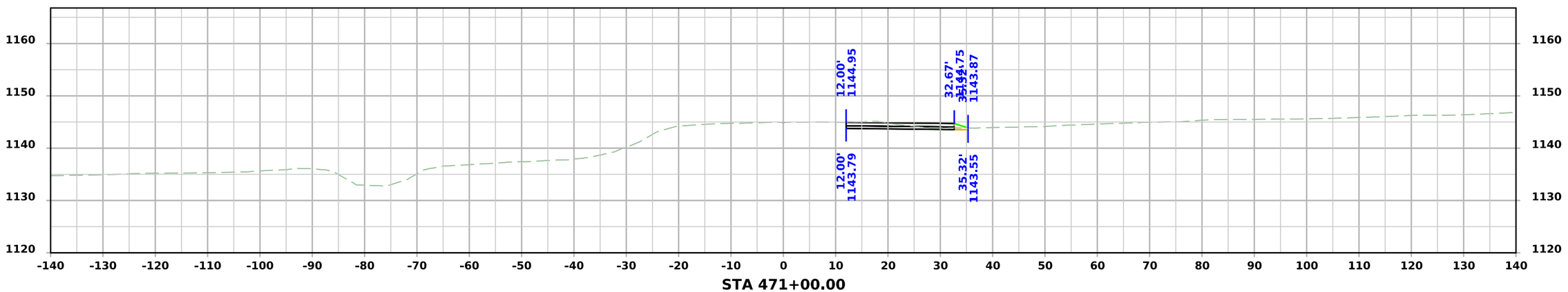
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.108

9:01:30 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

STAGE 1 - DETML059NB_1



STA 471+25.00

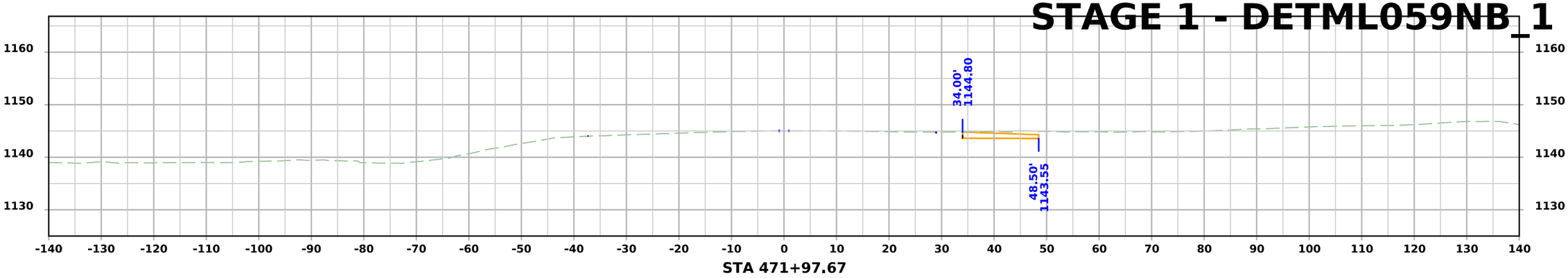


STA 471+00.00

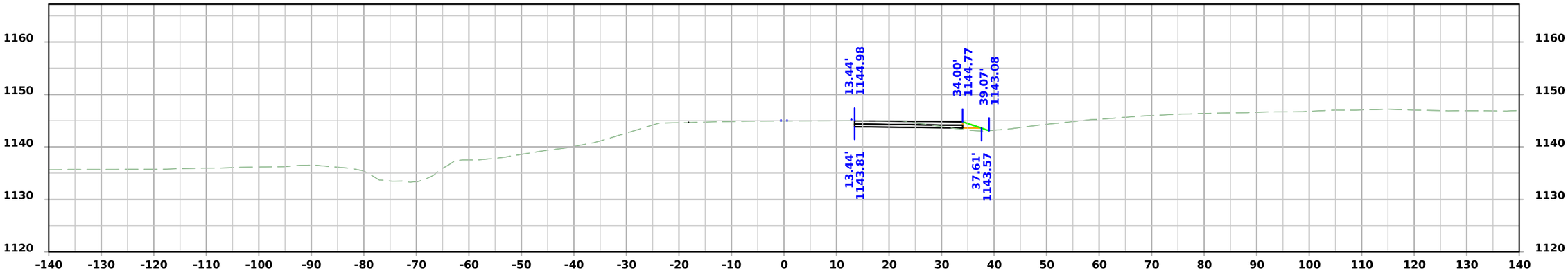
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.109	

9:01:34 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

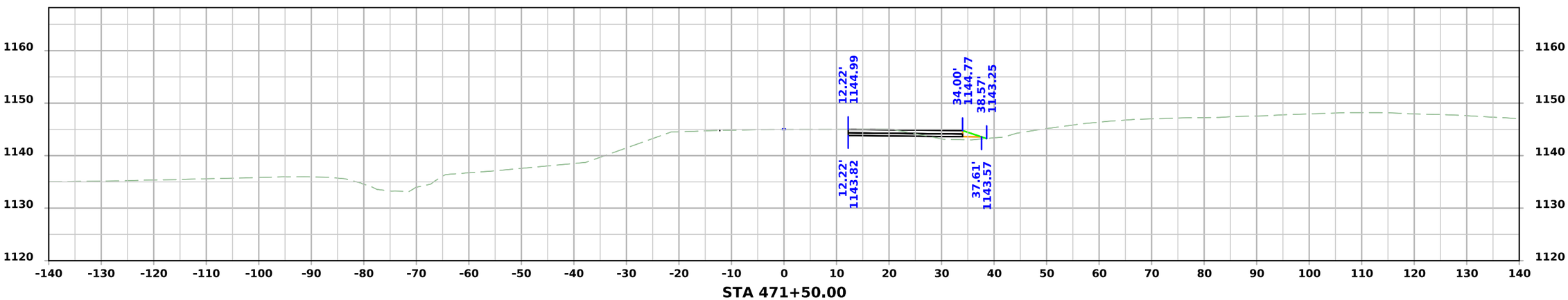
STAGE 1 - DETML059NB_1



STA 471+97.67



STA 471+75.00

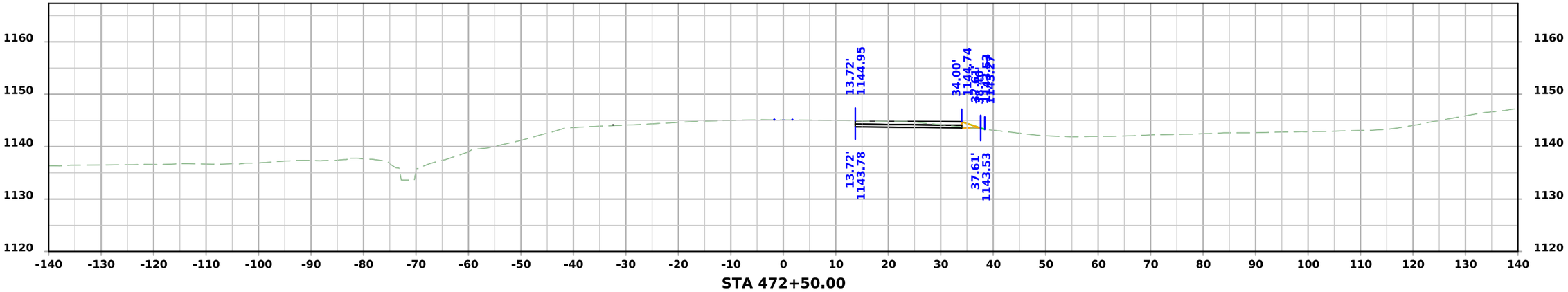


STA 471+50.00

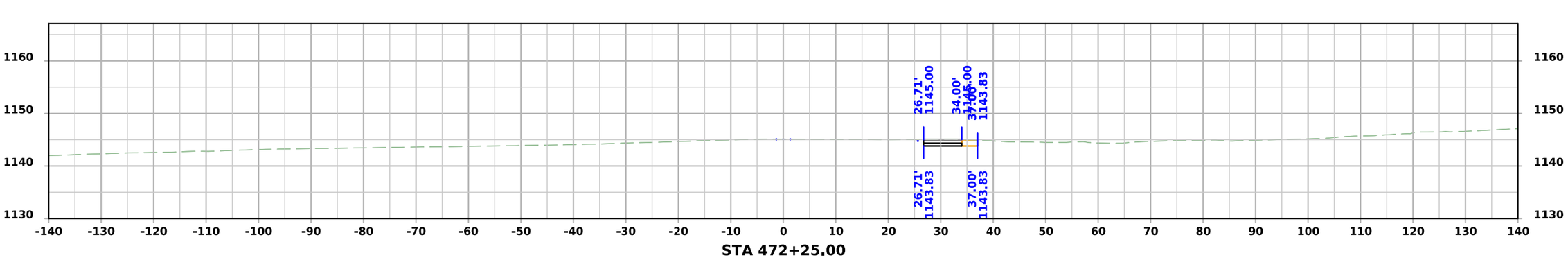
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.110	

9:01:39 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

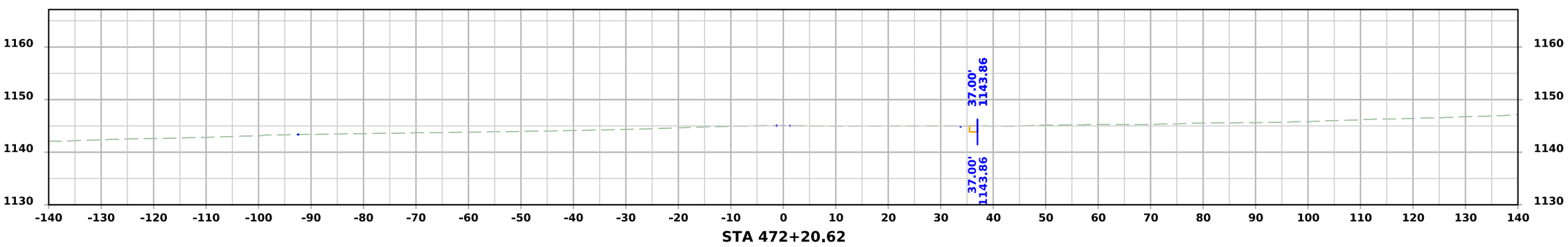
STAGE 1 - DETML059NB_1



STA 472+50.00



STA 472+25.00

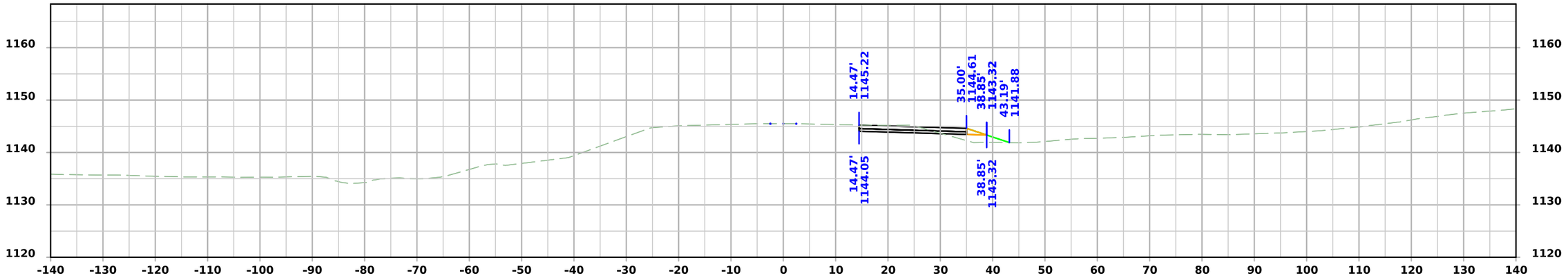


STA 472+20.62

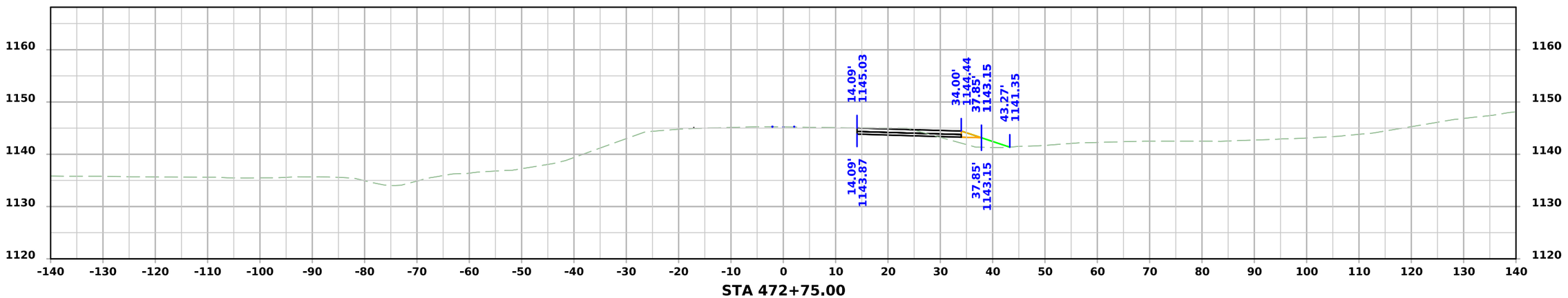
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.111

9:01:41 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

STAGE 1 - DETML059NB_1



STA 473+00.00

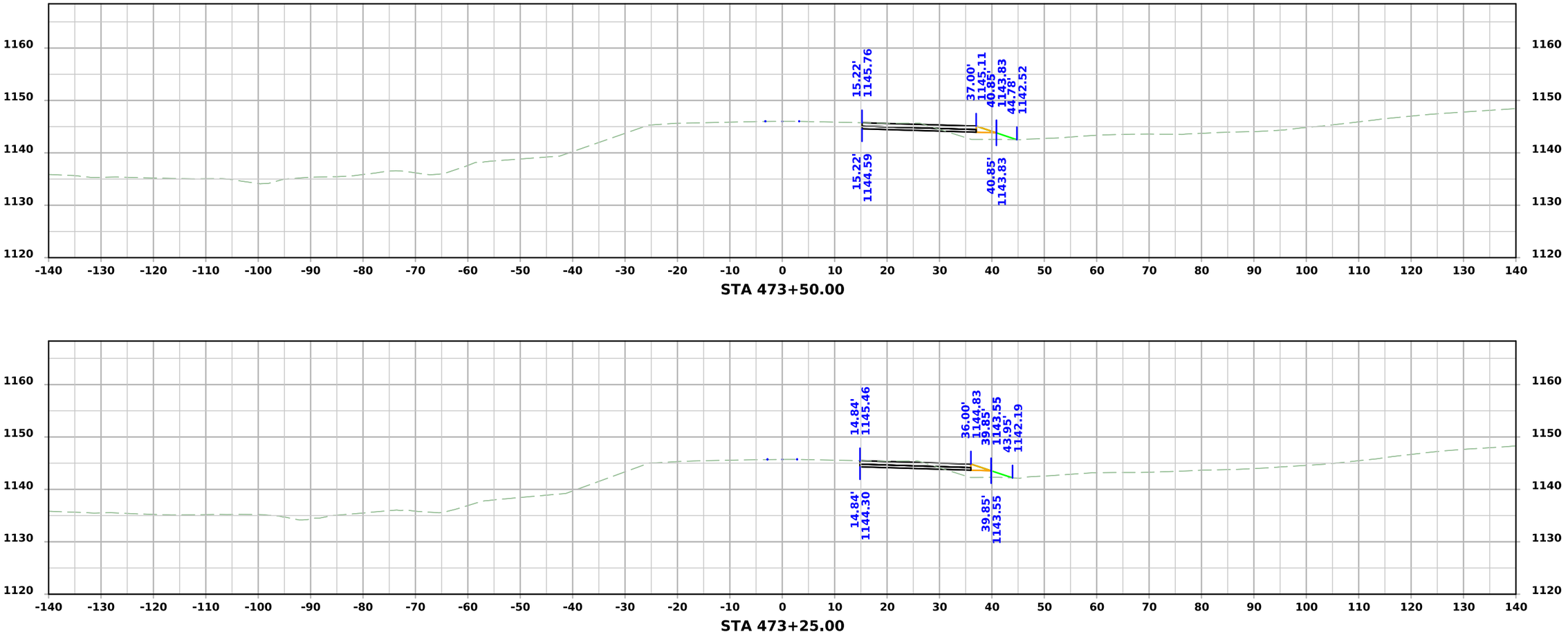


STA 472+75.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.112

9:01:43 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

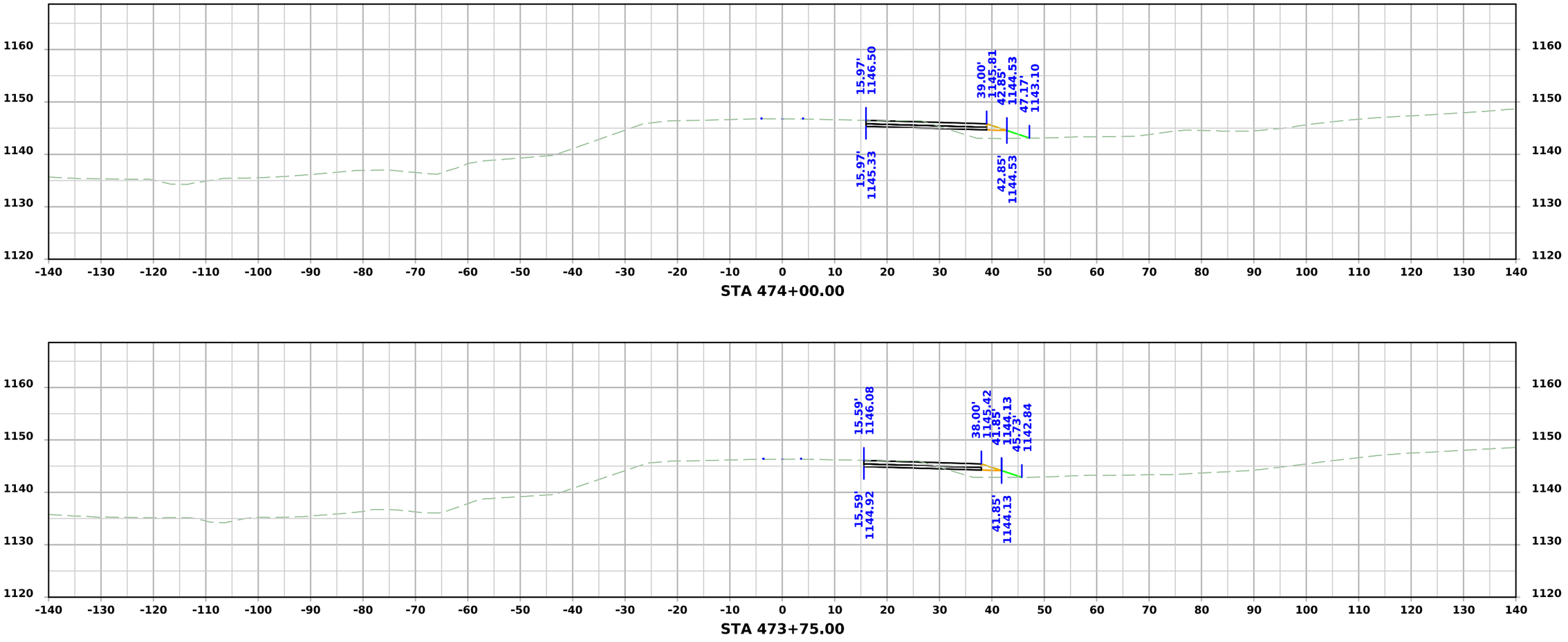
STAGE 1 - DETML059NB_1



FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.113

9:01:45 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

STAGE 1 - DETML059NB_1



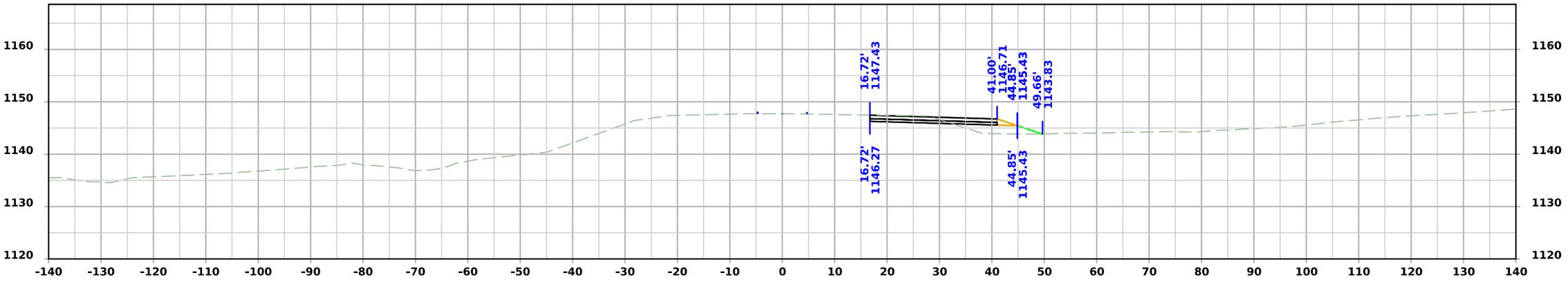
STA 474+00.00

STA 473+75.00

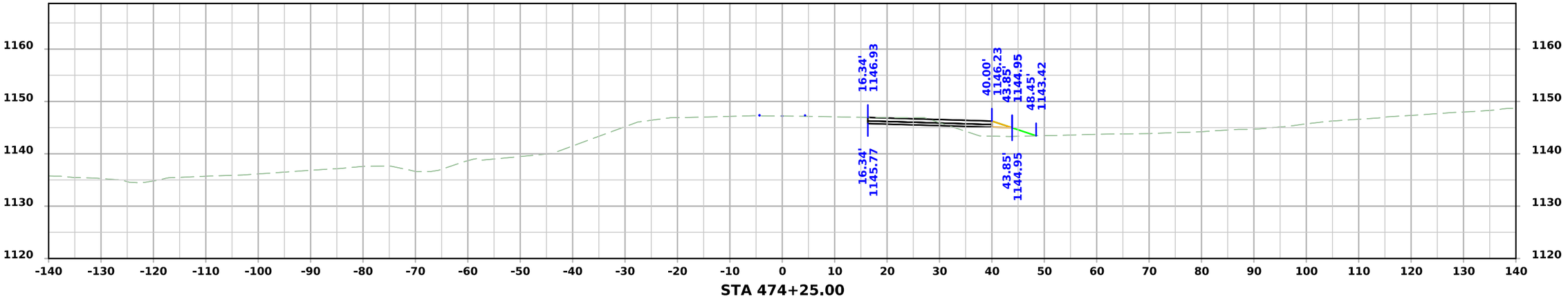
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.114

9:01:46 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

STAGE 1 - DETML059NB_1



STA 474+50.00

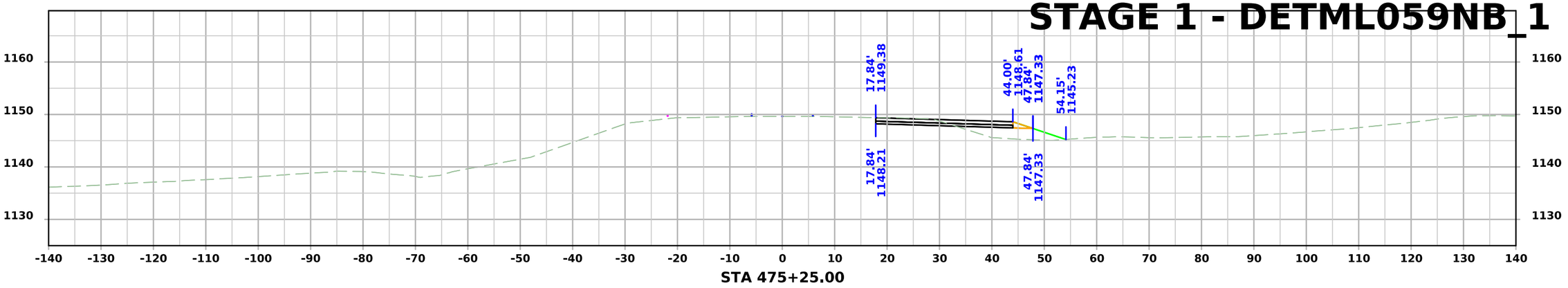


STA 474+25.00

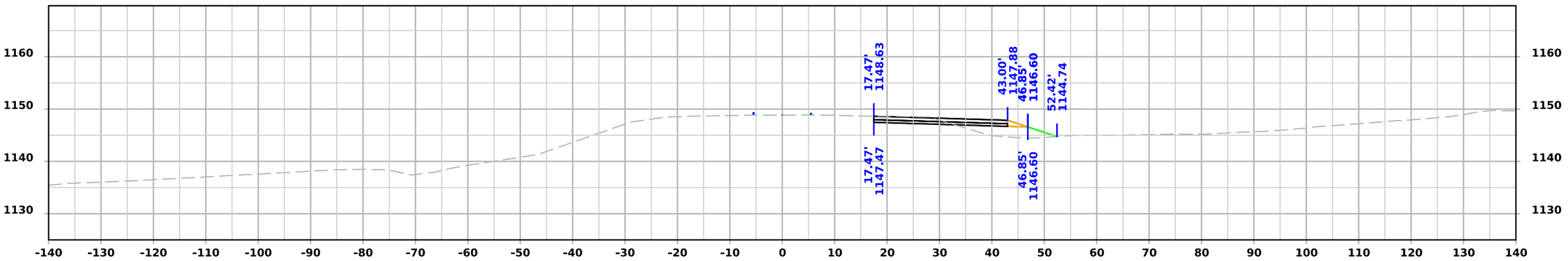
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.115	

9:01:48 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

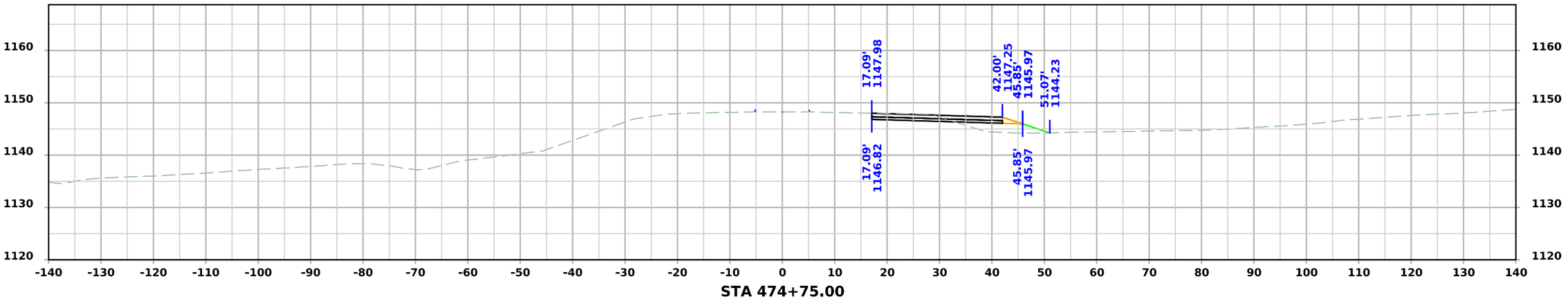
STAGE 1 - DETML059NB_1



STA 475+25.00



STA 475+00.00

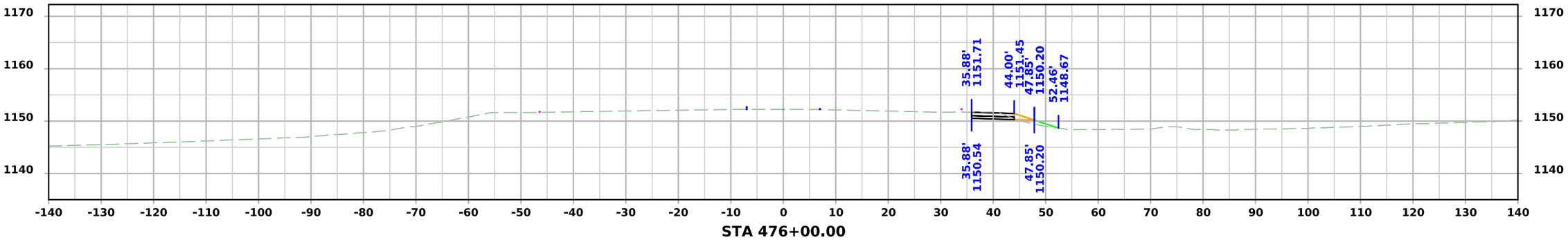


STA 474+75.00

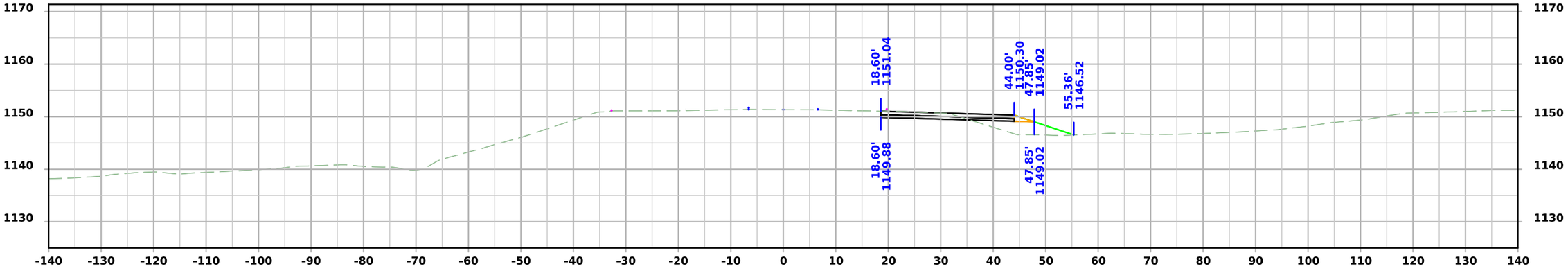
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.116

9:01:50 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

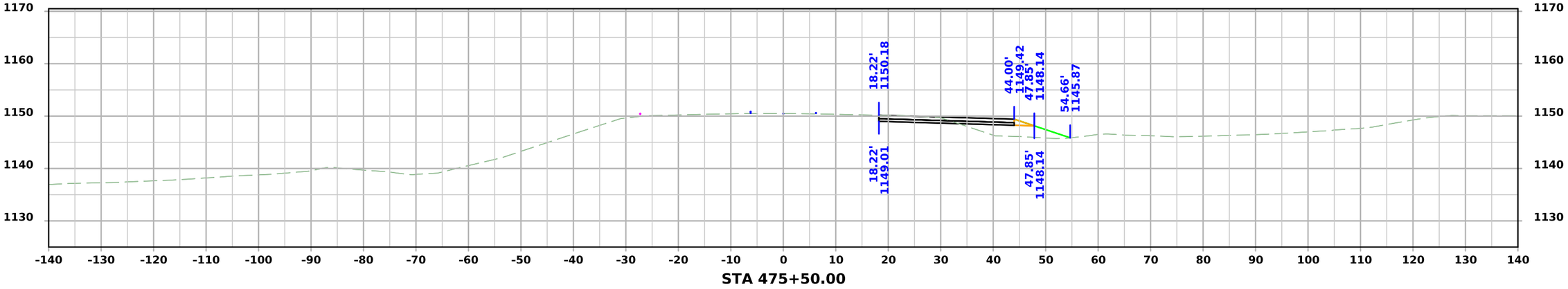
STAGE 1 - DETML059NB_1



STA 476+00.00



STA 475+75.00

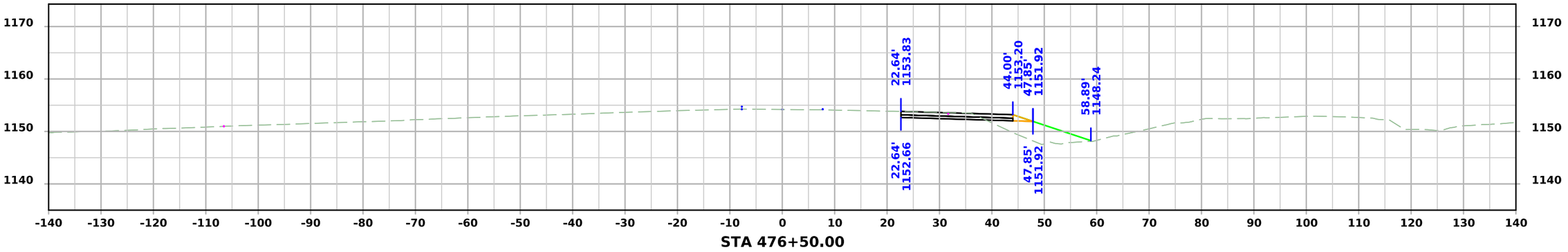


STA 475+50.00

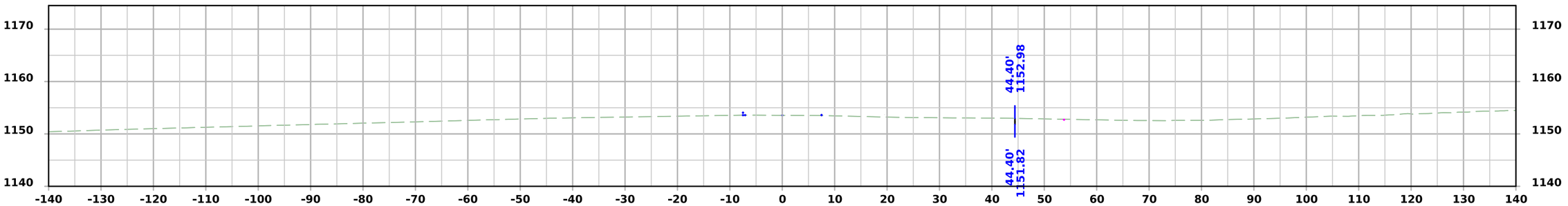
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.117

9:01:52 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

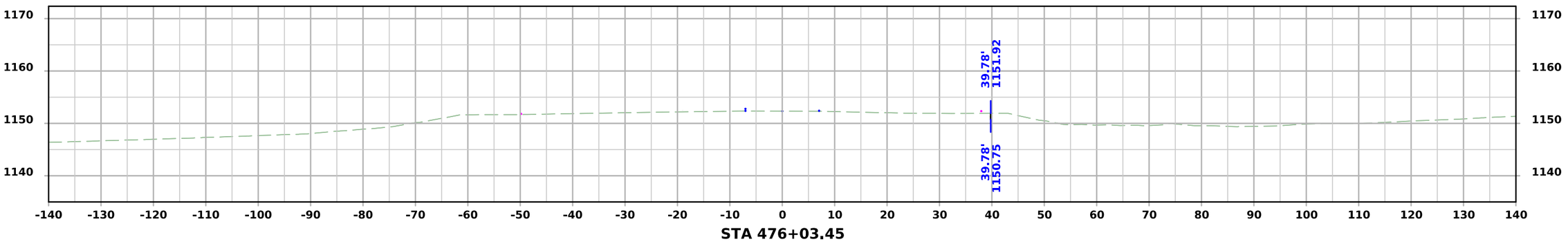
STAGE 1 - DETML059NB_1



STA 476+50.00



STA 476+34.59

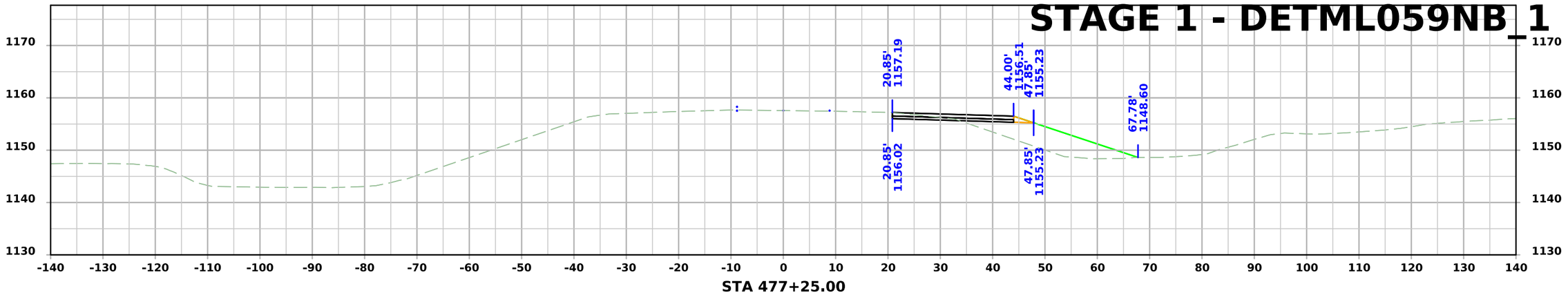


STA 476+03.45

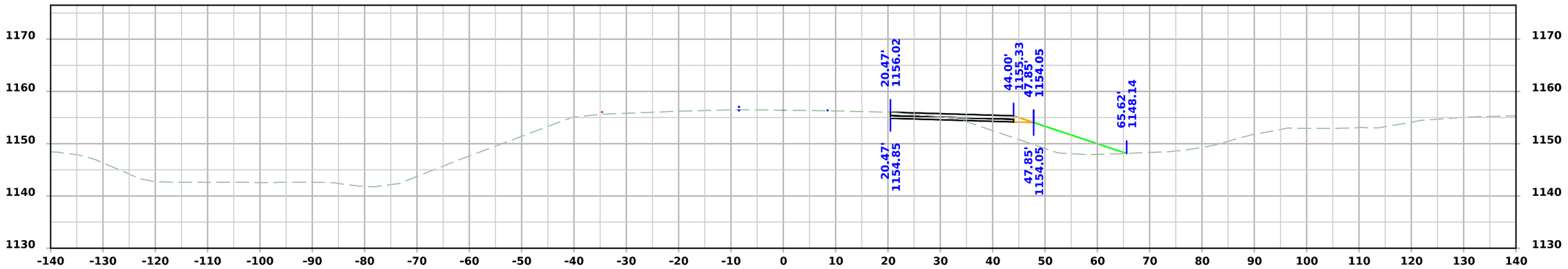
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.118	

9:01:54 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

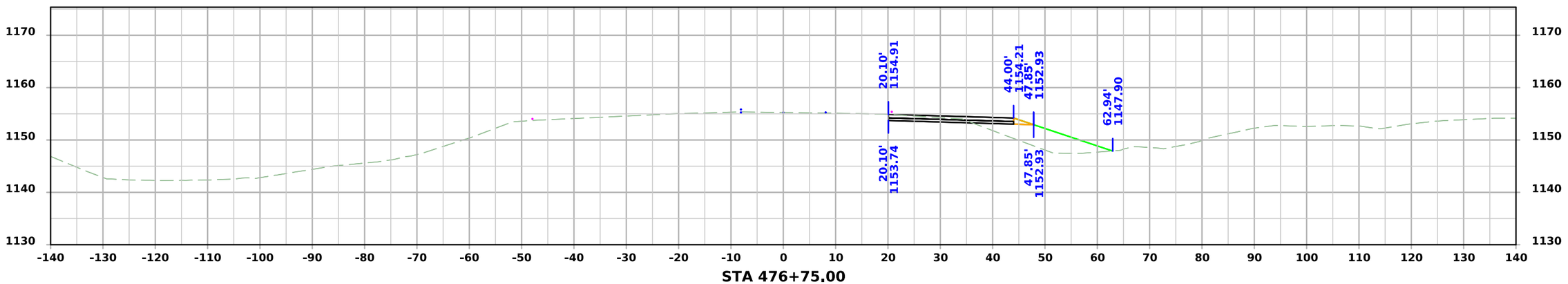
STAGE 1 - DETML059NB_1



STA 477+25.00



STA 477+00.00

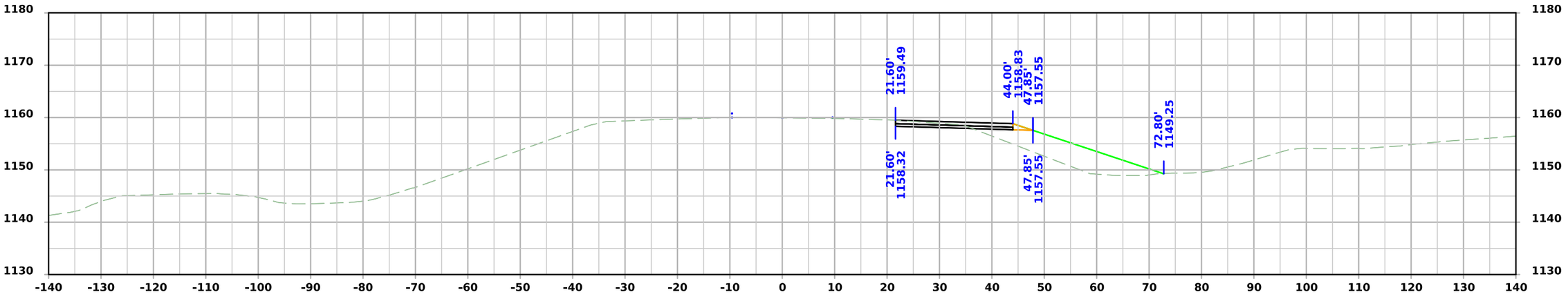


STA 476+75.00

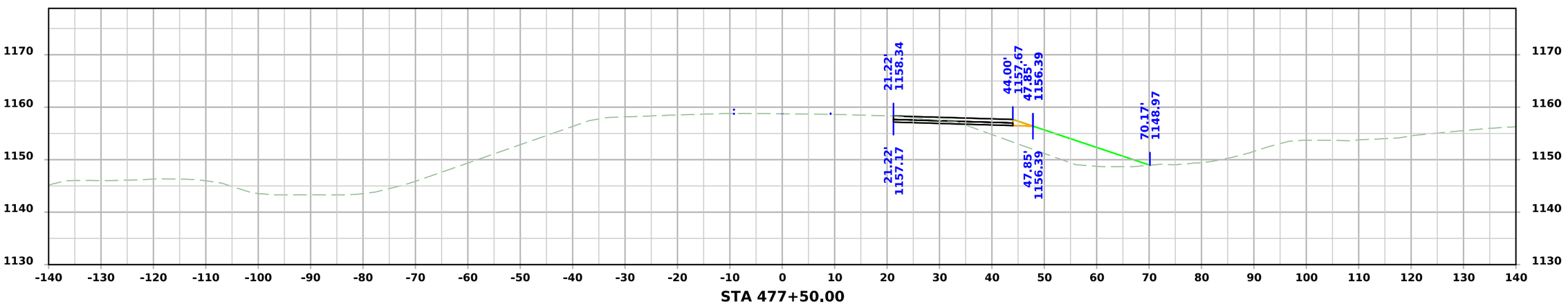
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.119

9:01:56 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

STAGE 1 - DETML059NB_1



STA 477+75.00

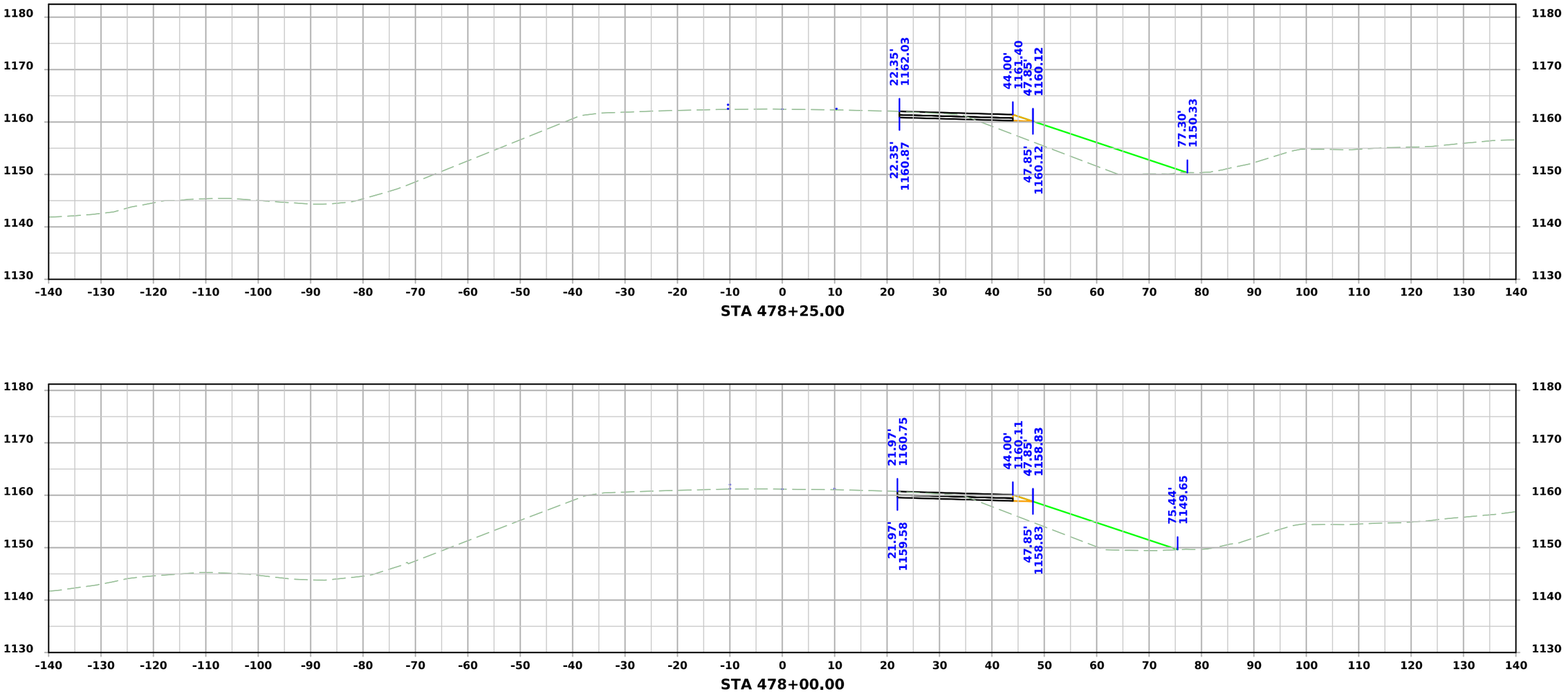


STA 477+50.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.120	

9:01:58 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

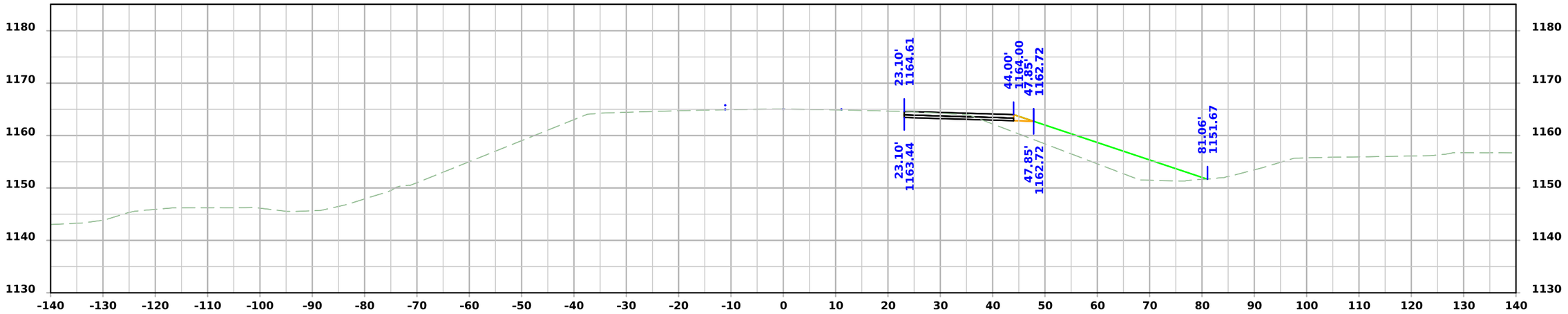
STAGE 1 - DETML059NB_1



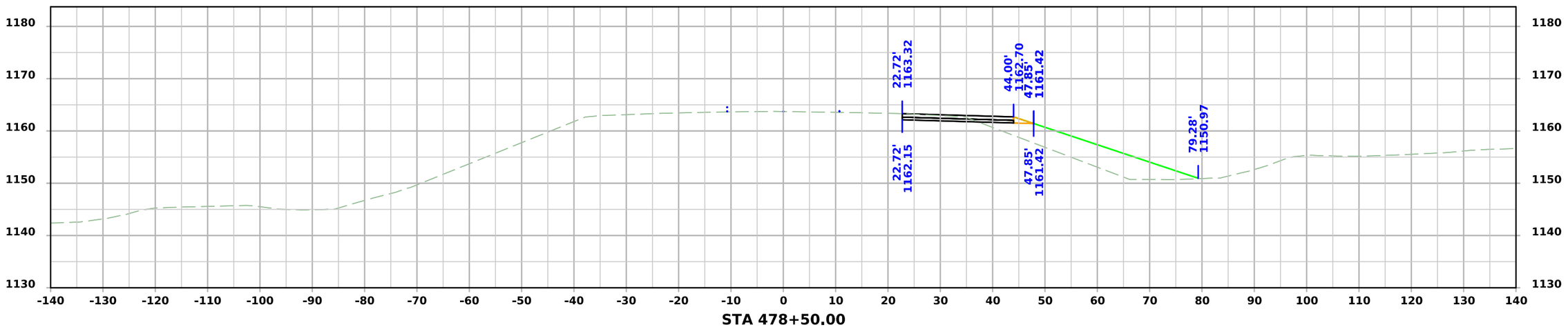
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.121

9:01:59 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

STAGE 1 - DETML059NB_1



STA 478+75.00

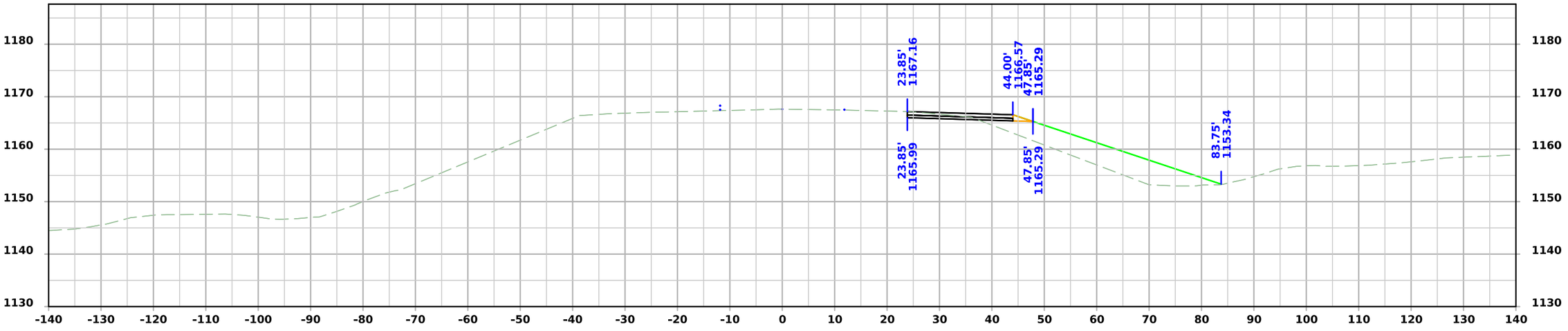


STA 478+50.00

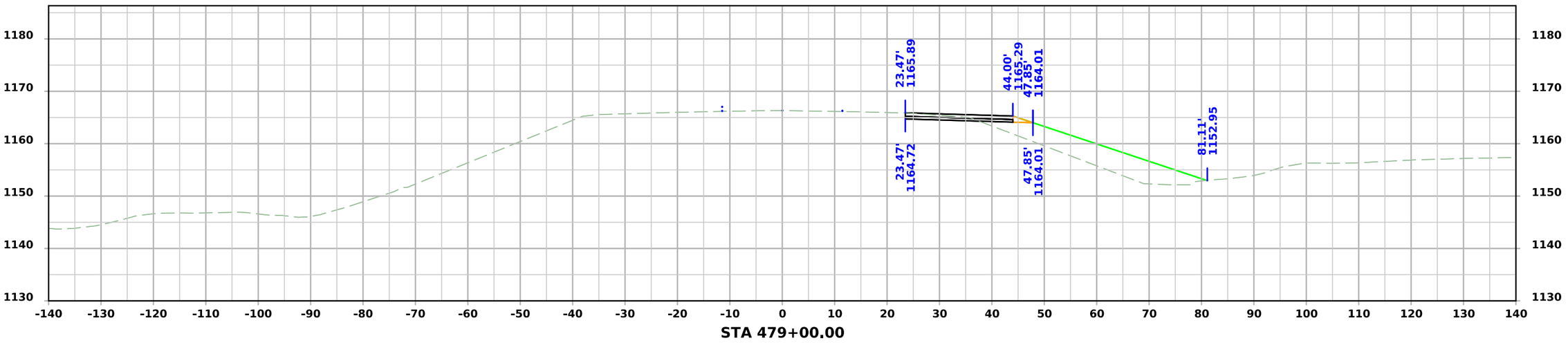
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.122

9:02:01 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

STAGE 1 - DETML059NB_1



STA 479+25.00

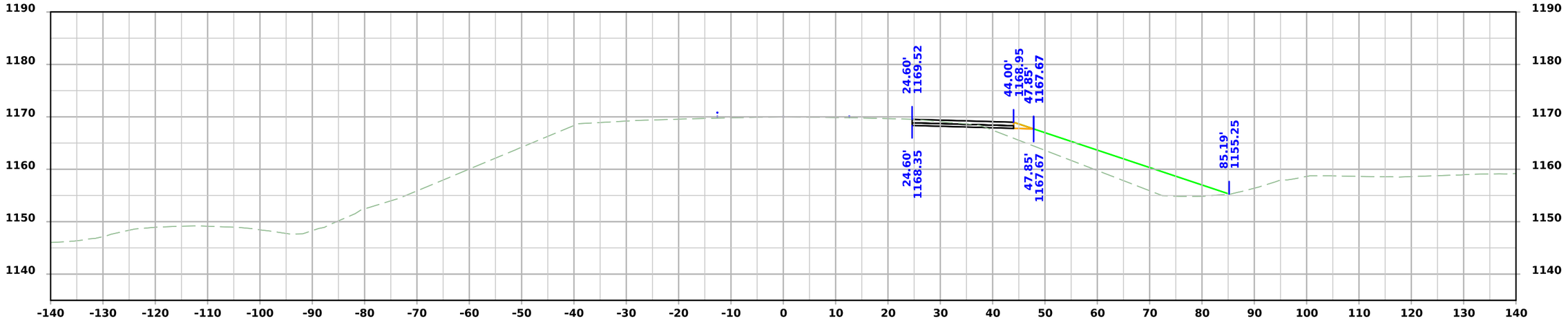


STA 479+00.00

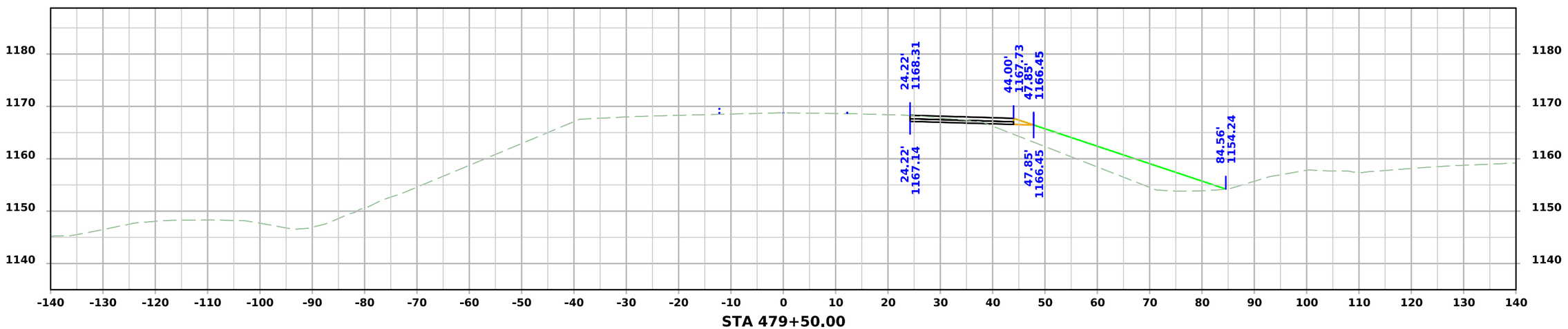
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.123

9:02:03 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

STAGE 1 - DETML059NB_1



STA 479+75.00

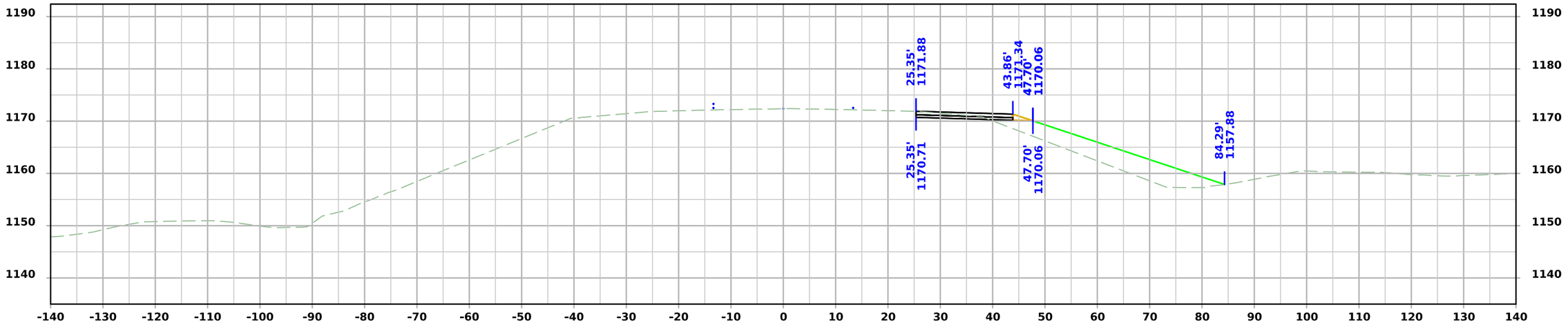


STA 479+50.00

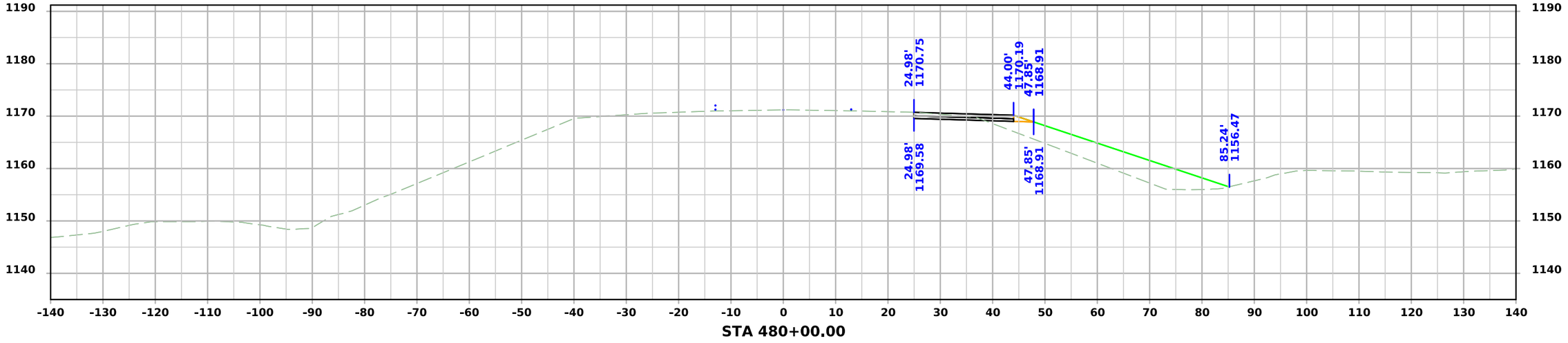
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.124	

9:02:04 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

STAGE 1 - DETML059NB_1



STA 480+25.00

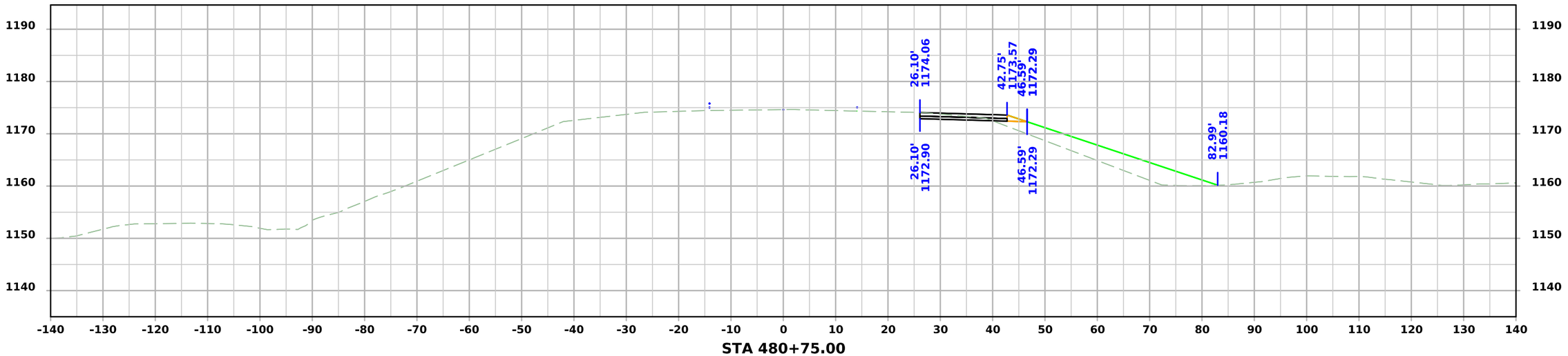


STA 480+00.00

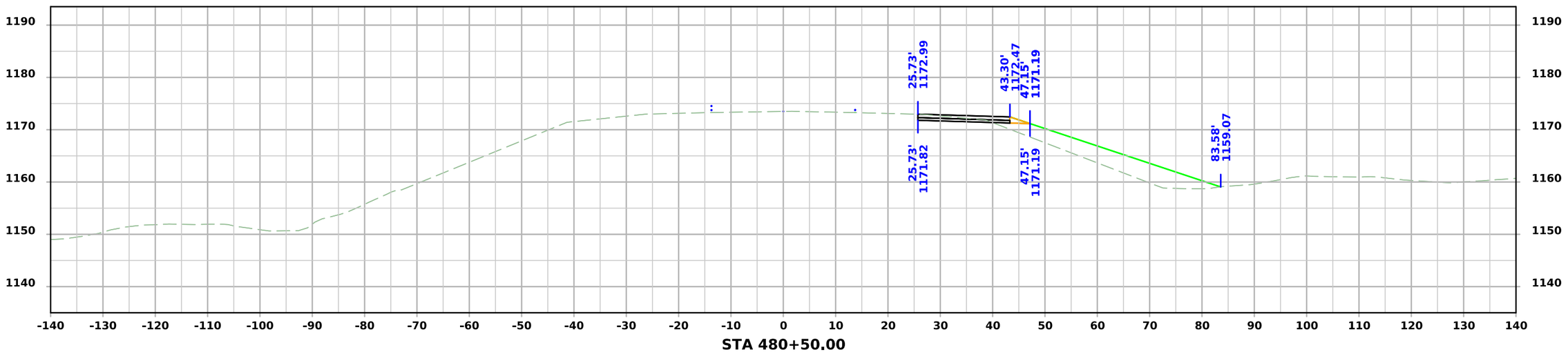
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.125

9:02:06 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

STAGE 1 - DETML059NB_1



STA 480+75.00

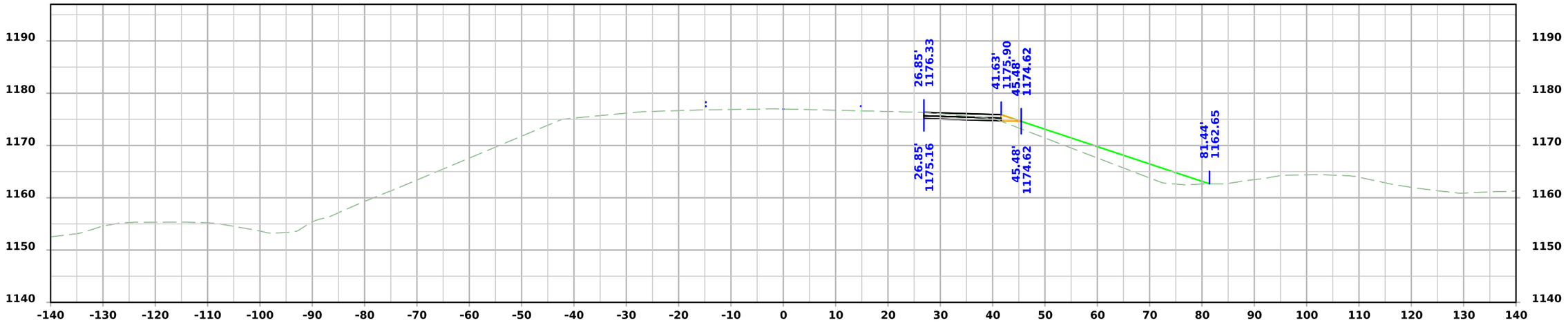


STA 480+50.00

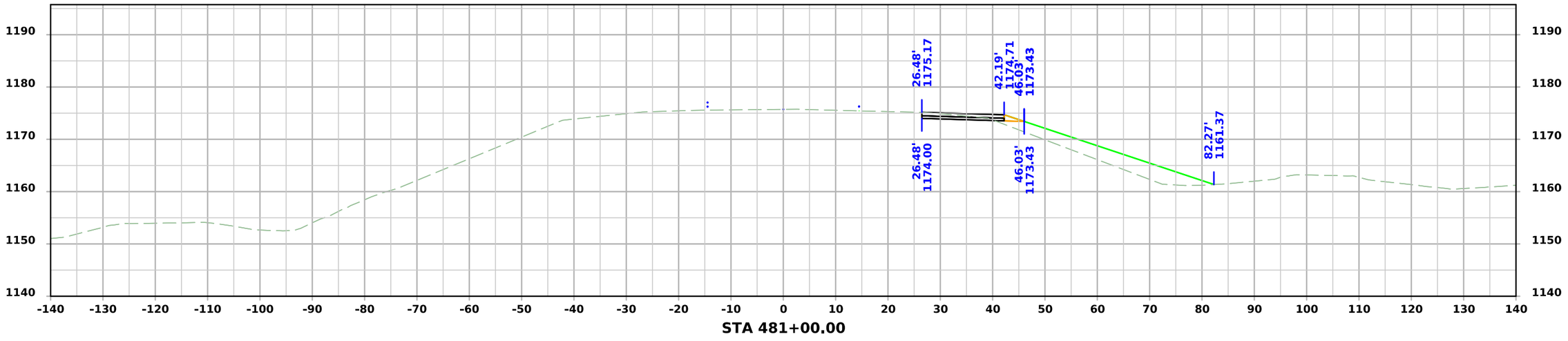
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.126

9:02:08 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

STAGE 1 - DETML059NB_1



STA 481+25.00

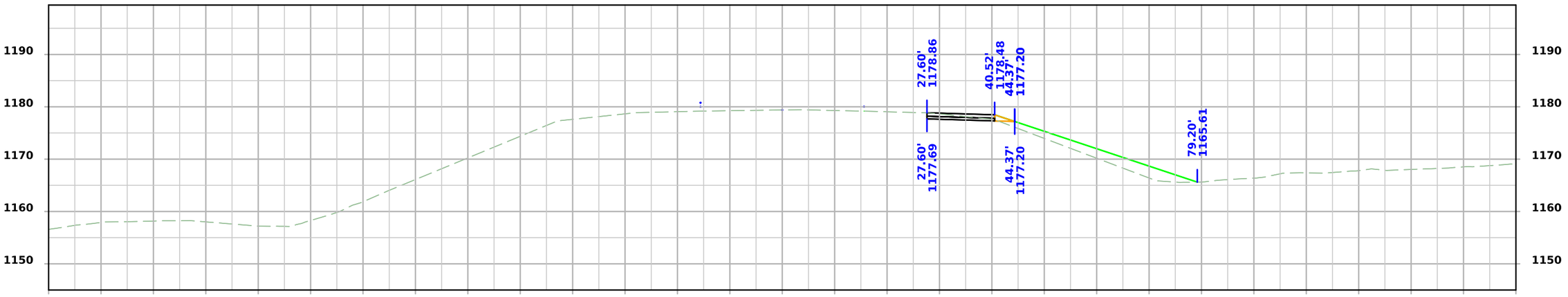


STA 481+00.00

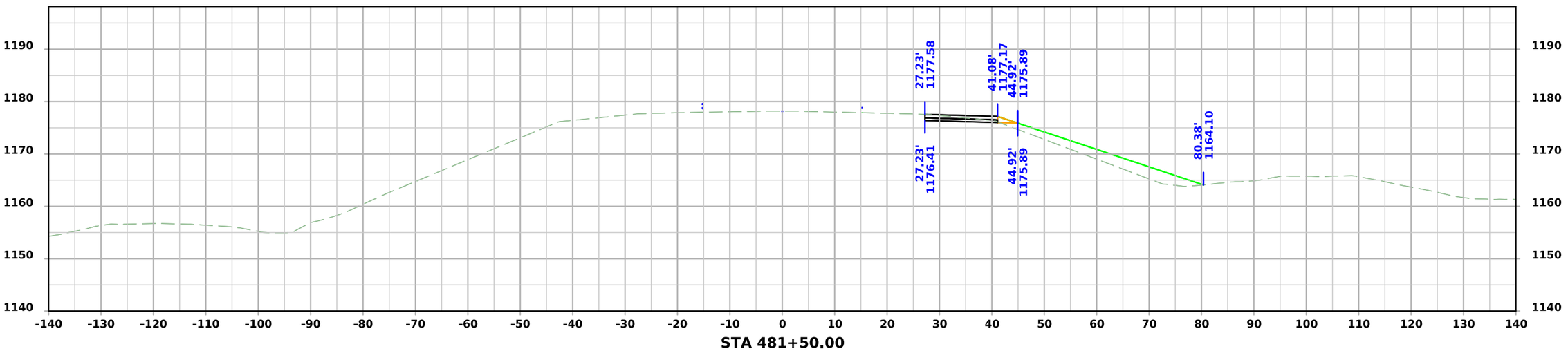
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.127

9:02:10 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

STAGE 1 - DETML059NB_1



STA 481+75.00

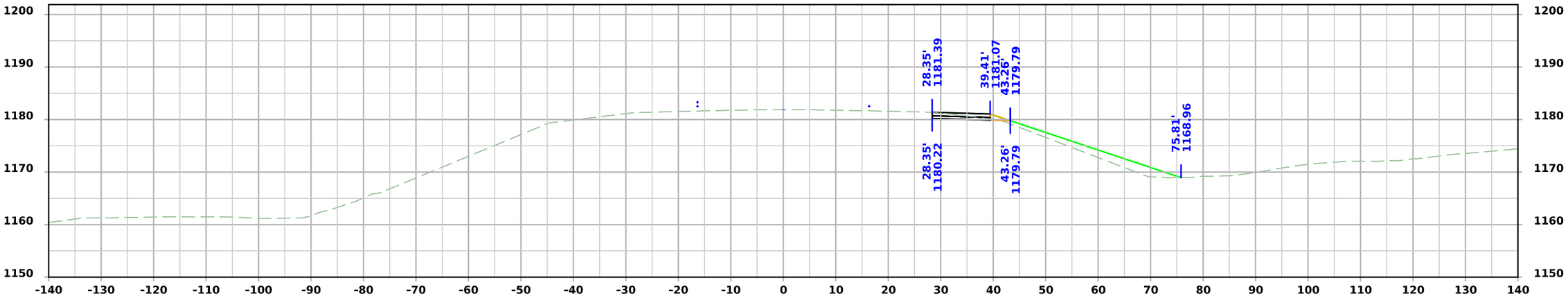


STA 481+50.00

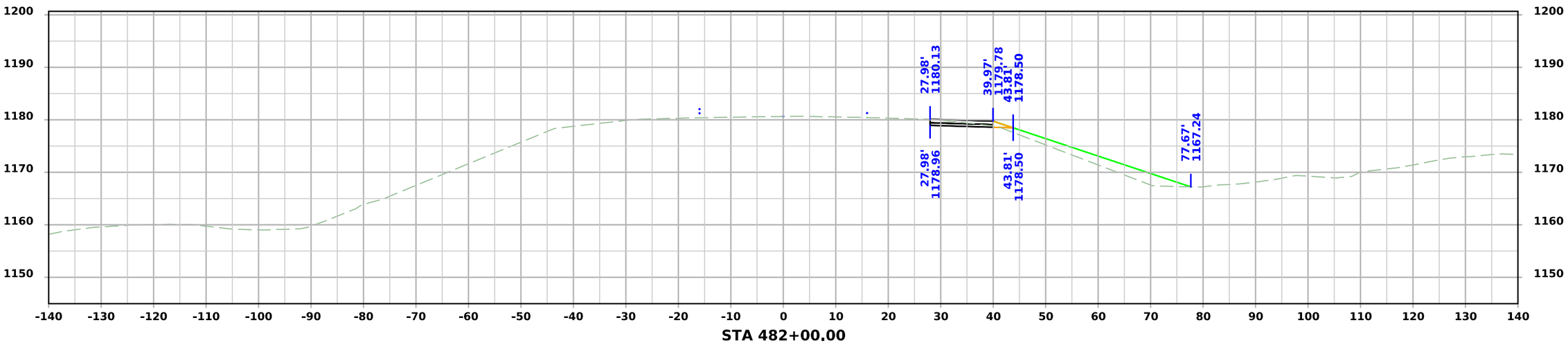
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.128

9:02:11 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

STAGE 1 - DETML059NB_1



STA 482+25.00

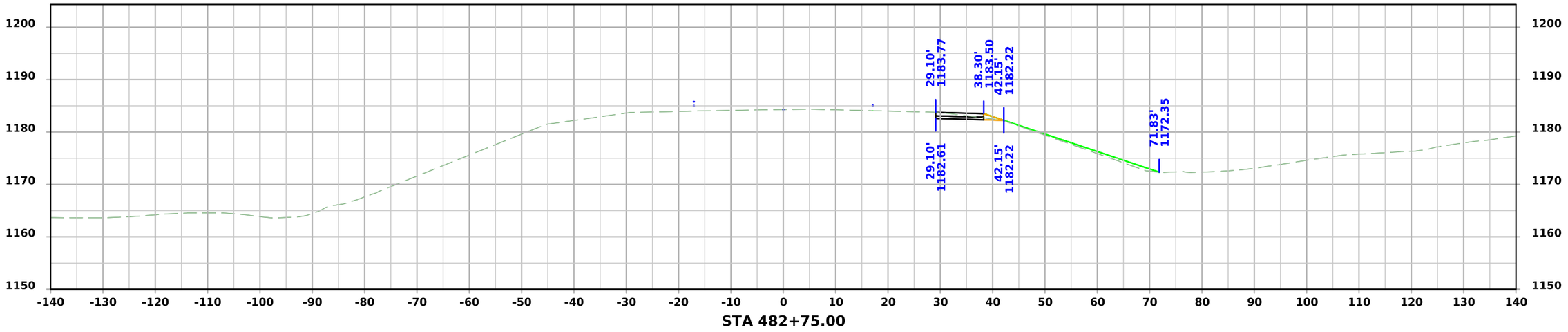


STA 482+00.00

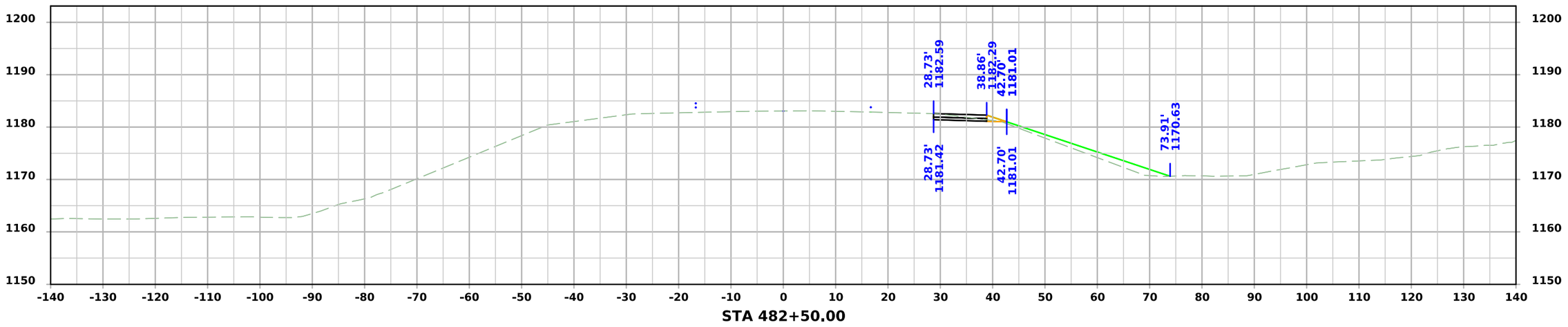
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.129

9:02:13 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

STAGE 1 - DETML059NB_1



STA 482+75.00

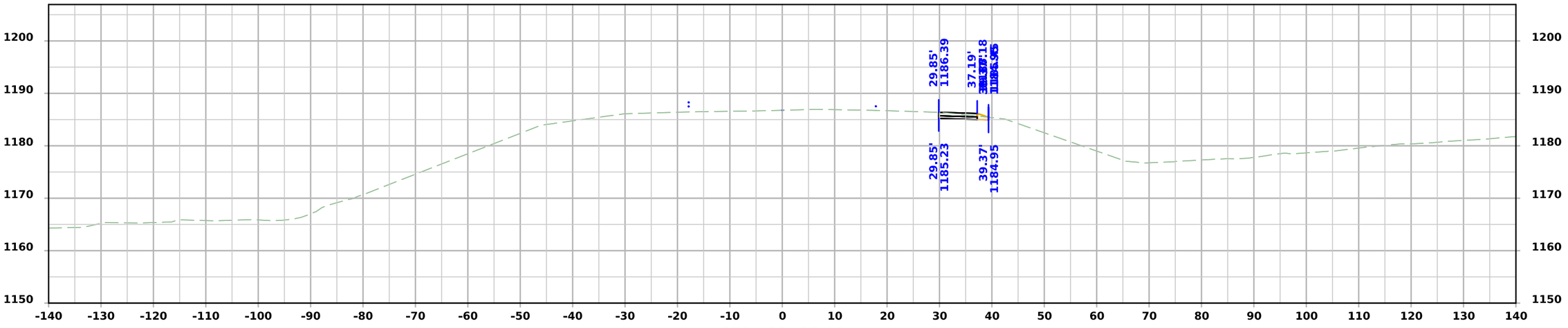


STA 482+50.00

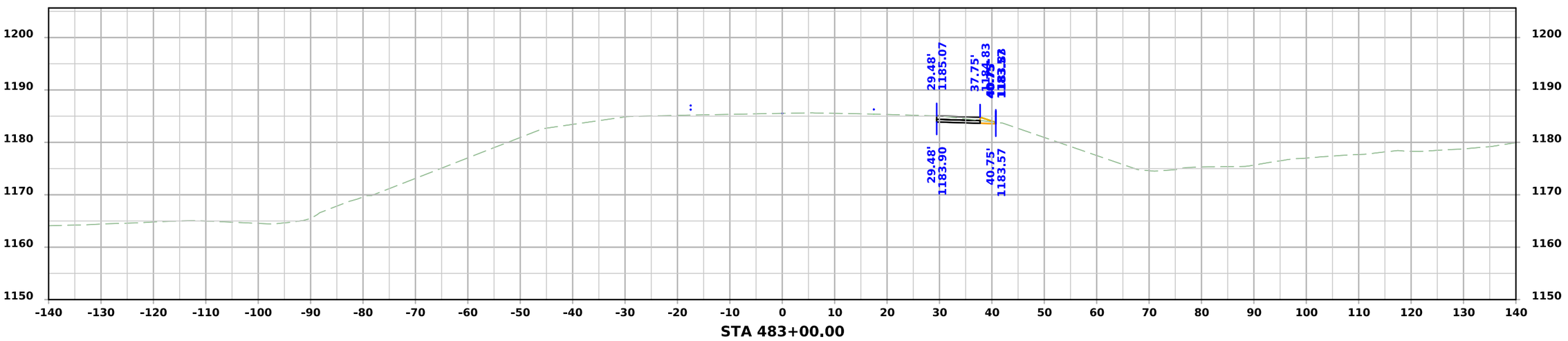
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.130

9:02:15 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

STAGE 1 - DETML059NB_1



STA 483+25.00

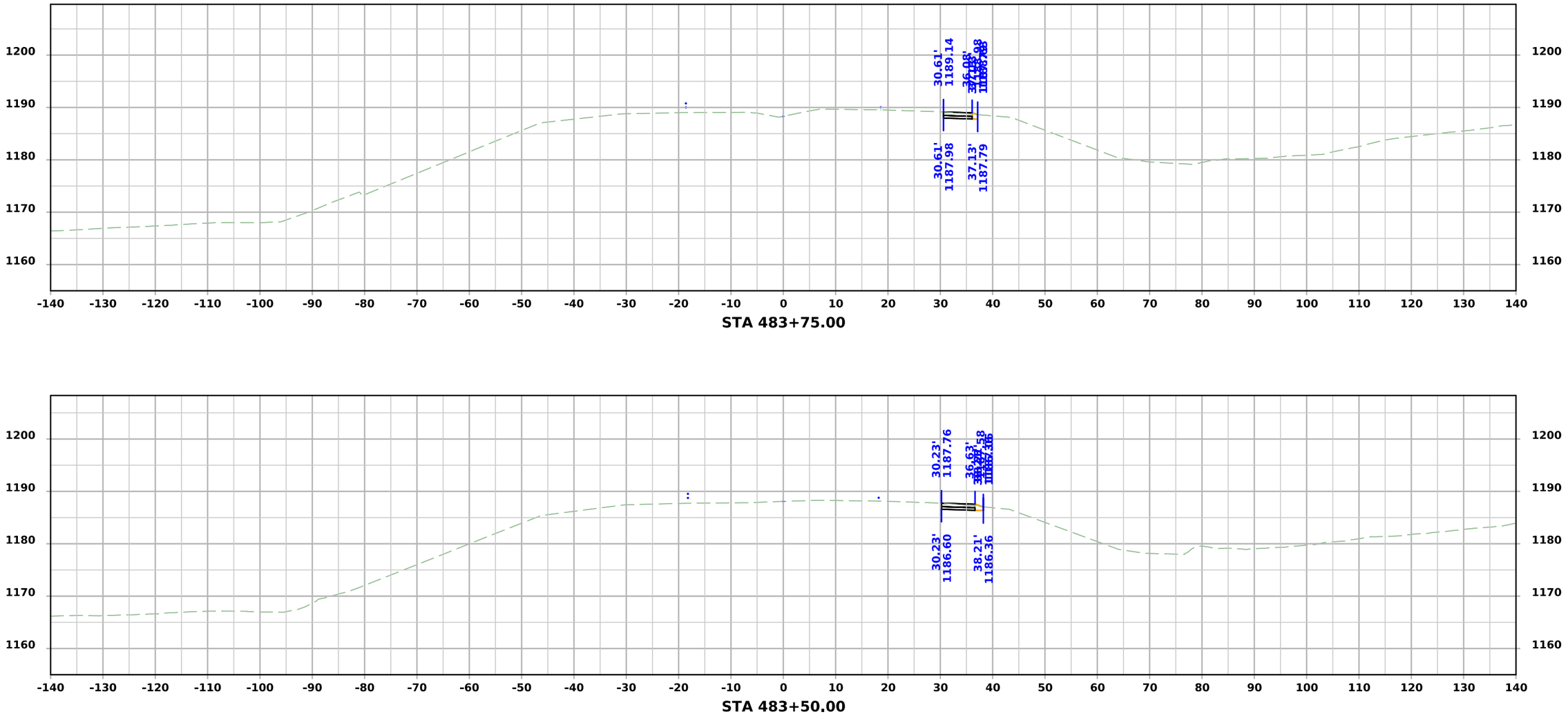


STA 483+00.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.131

9:02:16 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

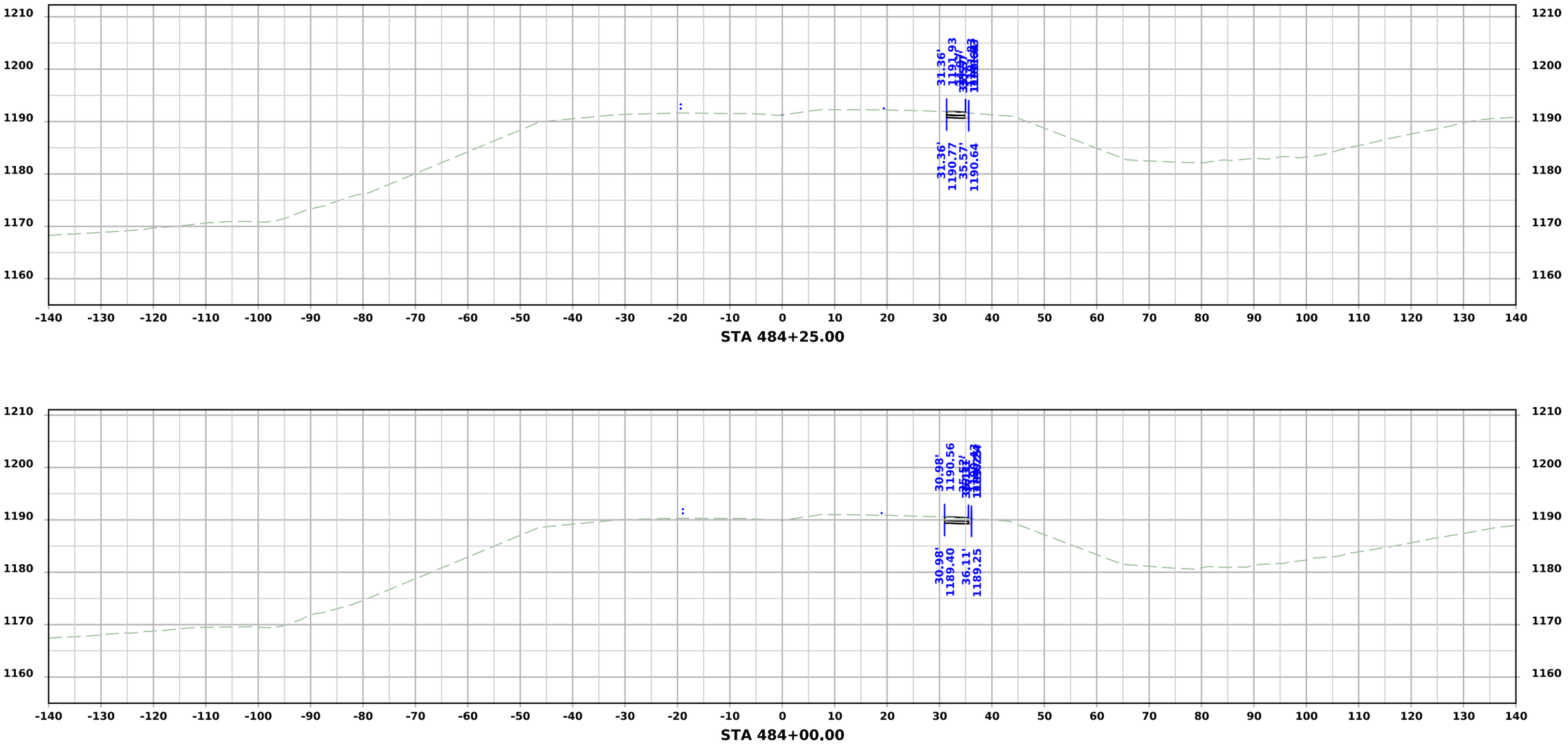
STAGE 1 - DETML059NB_1



FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.132

9:02:18 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

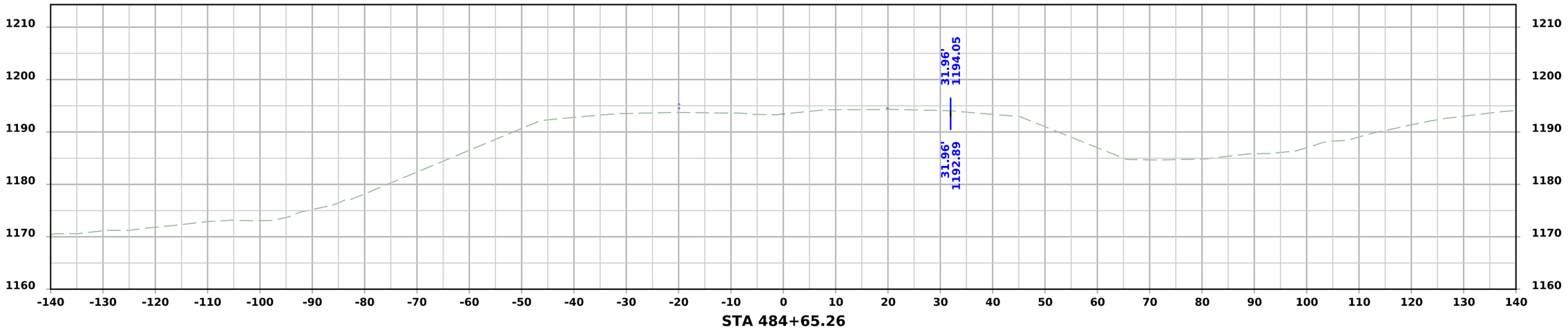
STAGE 1 - DETML059NB_1



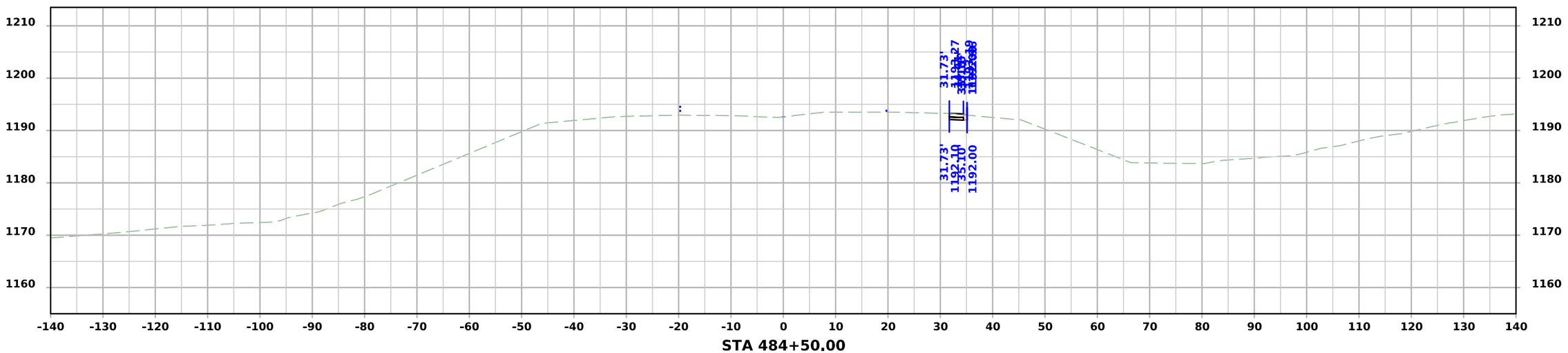
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.133

9:02:20 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

STAGE 1 - DETML059NB_1



STA 484+65.26

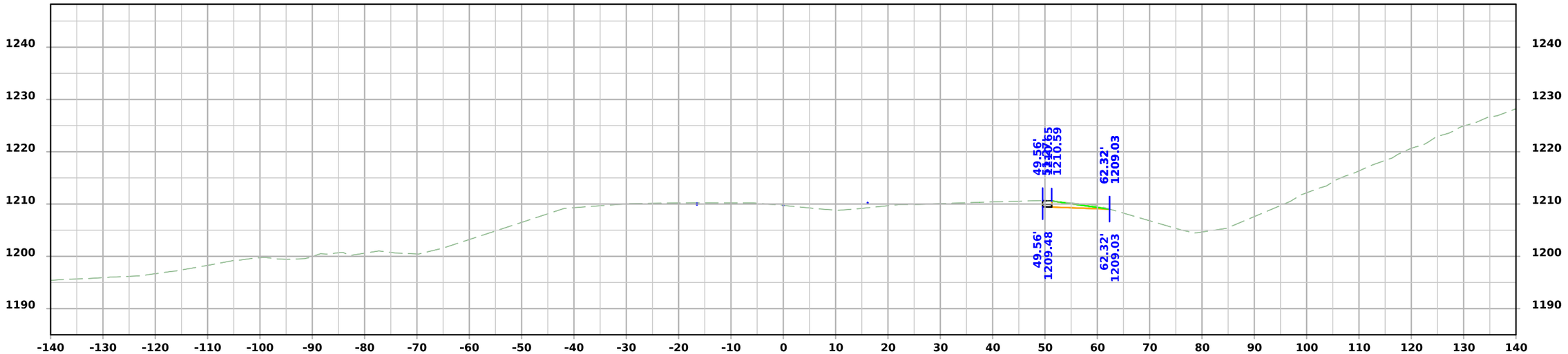


STA 484+50.00

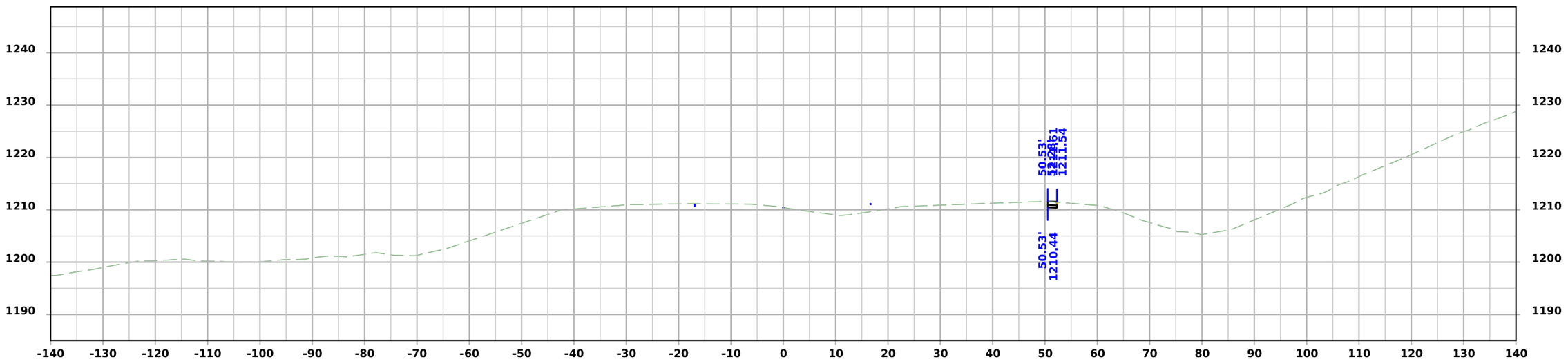
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.134

9:02:21 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

STAGE 1 - DETML059NB_2



STA 542+25.00

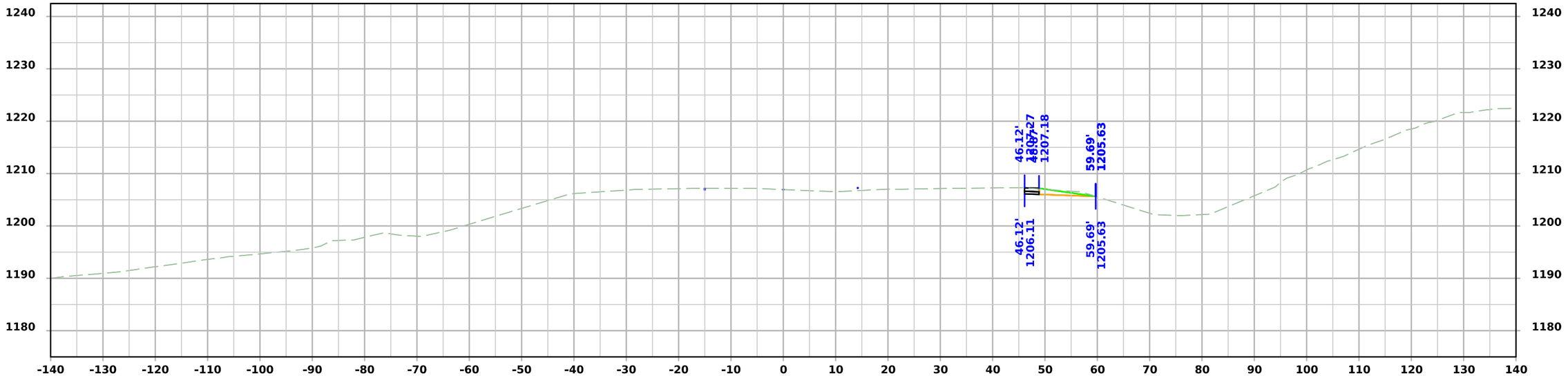


STA 542+10.59

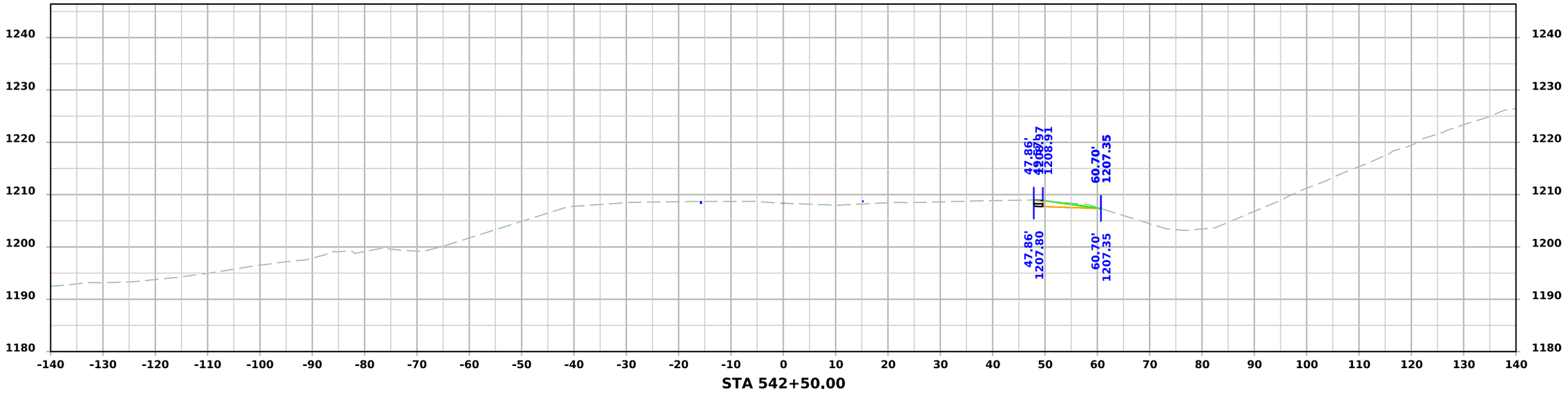
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.200	

9:08:29 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

STAGE 1 - DETML059NB_2



STA 542+75.00

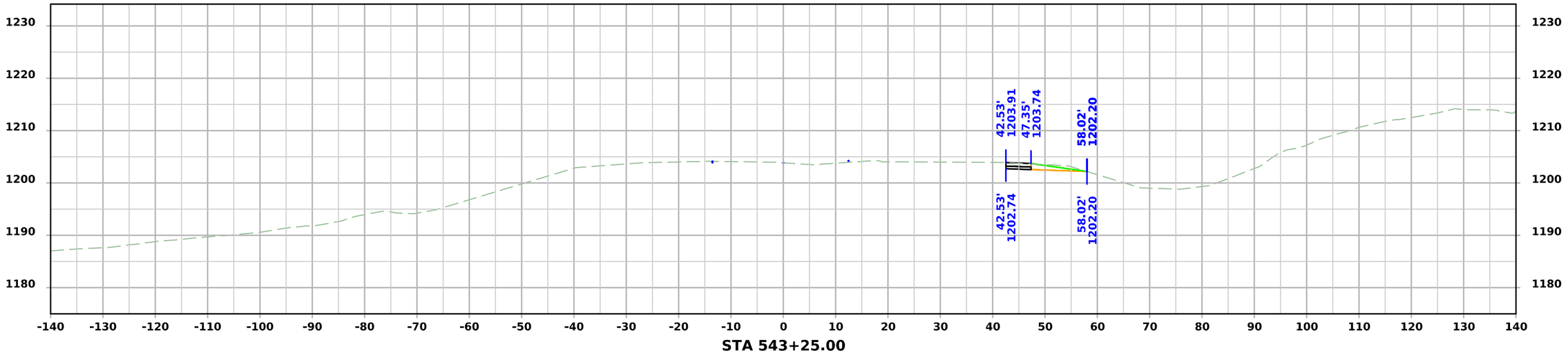


STA 542+50.00

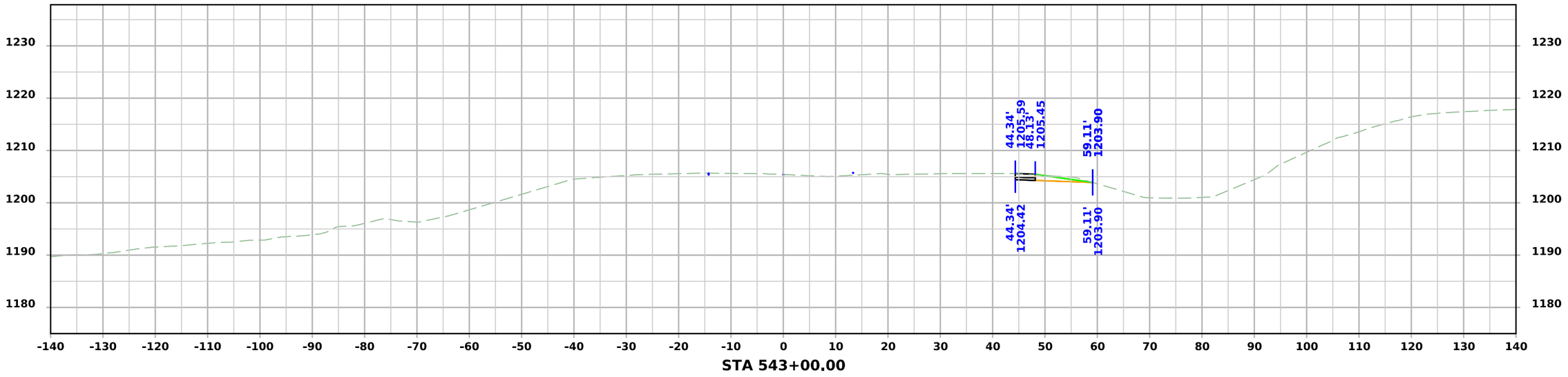
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.201

9:08:31 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

STAGE 1 - DETML059NB_2



STA 543+25.00

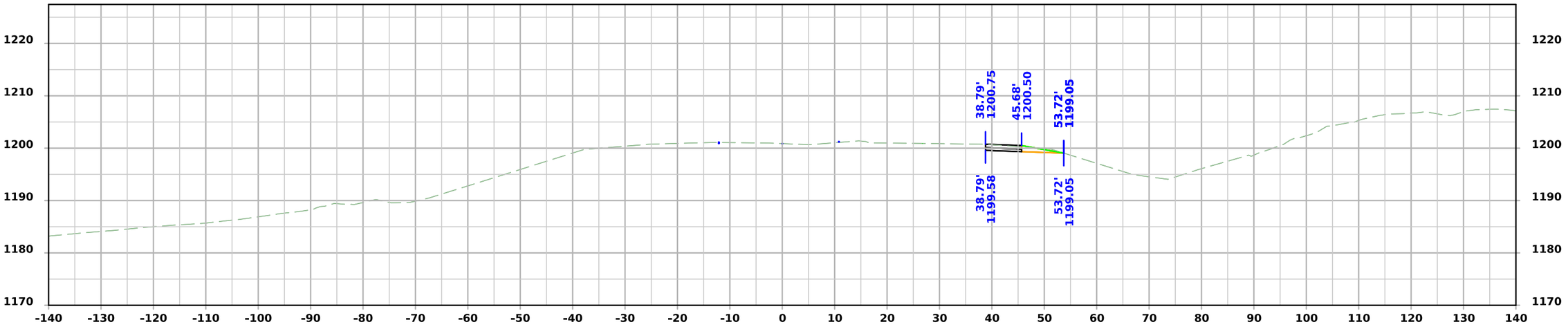


STA 543+00.00

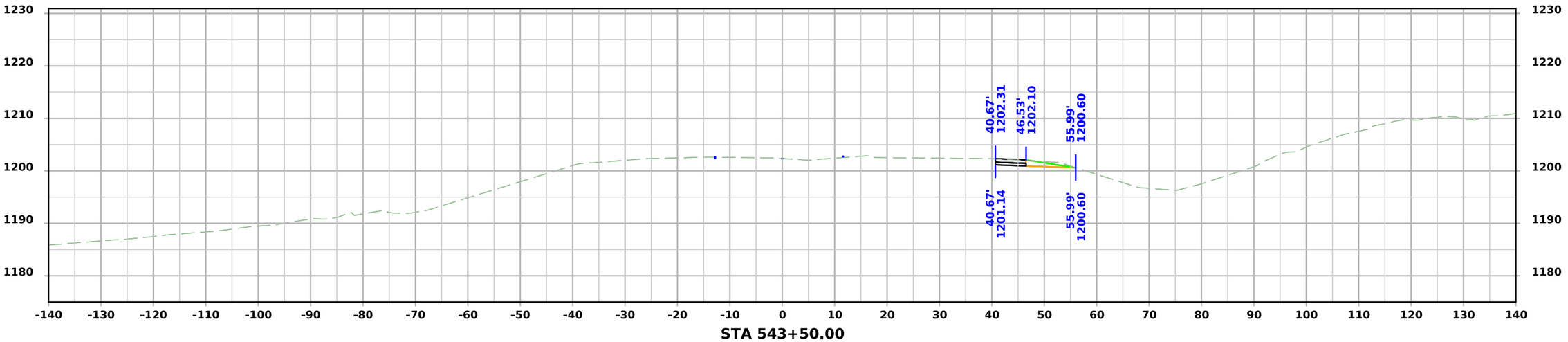
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.202

9:08:35 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

STAGE 1 - DETML059NB_2



STA 543+75.00

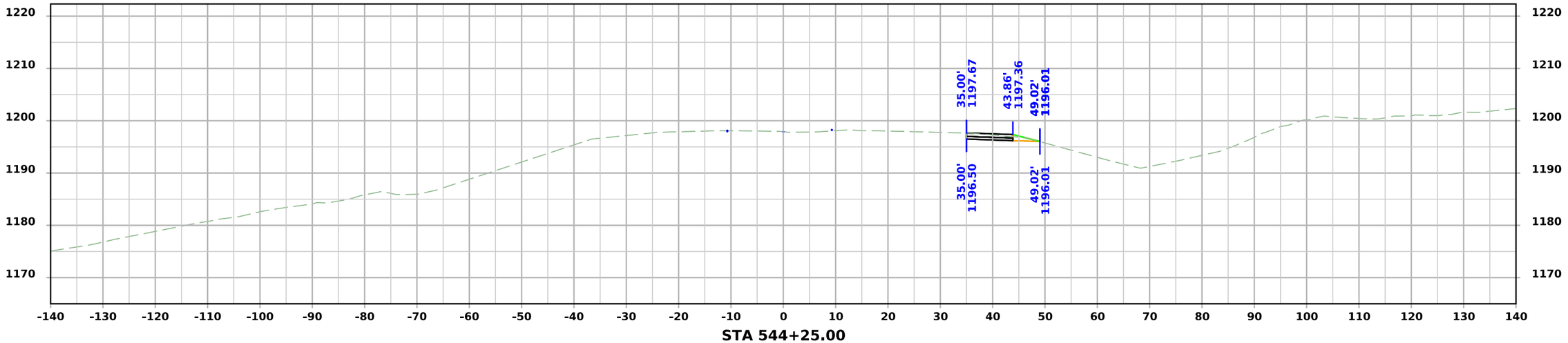


STA 543+50.00

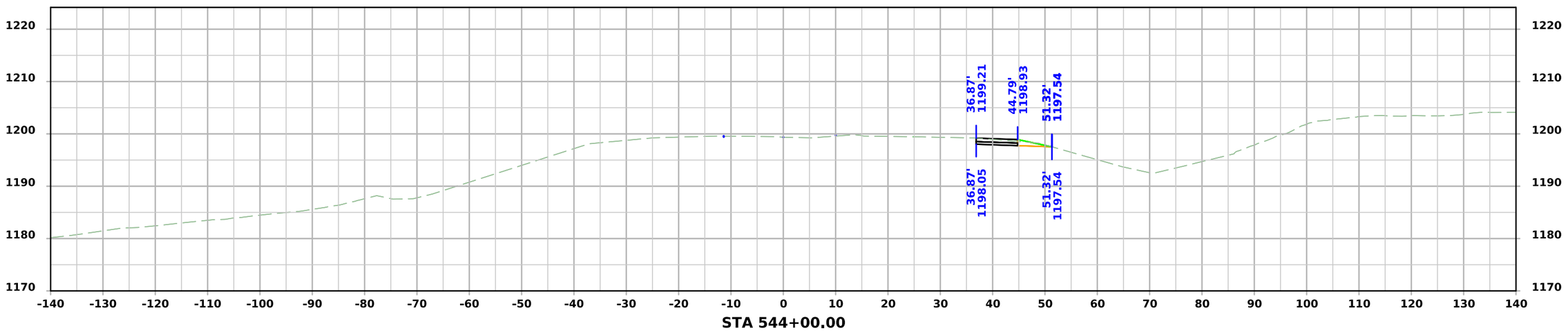
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.203

9:08:37 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

STAGE 1 - DETML059NB_2



STA 544+25.00

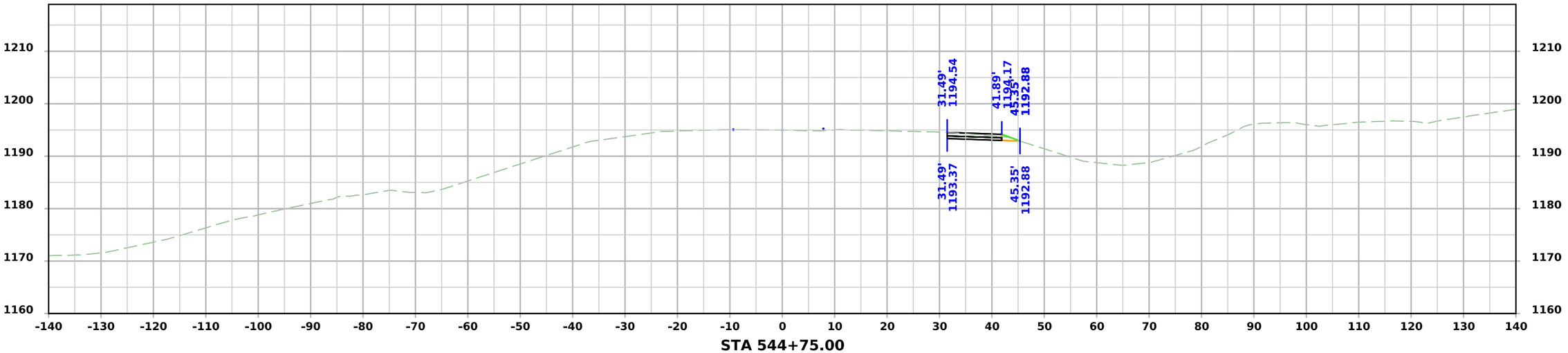


STA 544+00.00

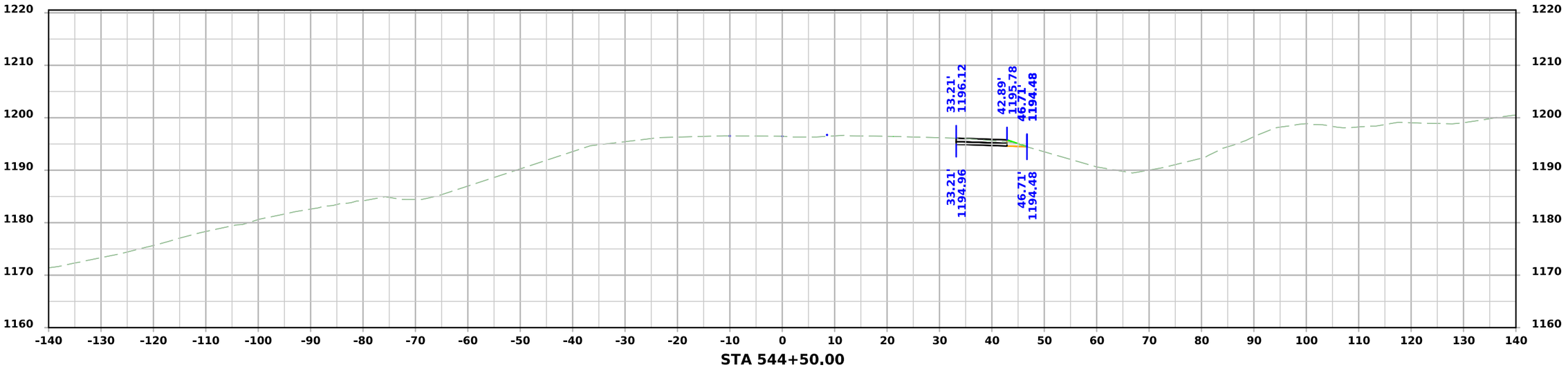
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.204

9:08:39 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

STAGE 1 - DETML059NB_2



STA 544+75.00

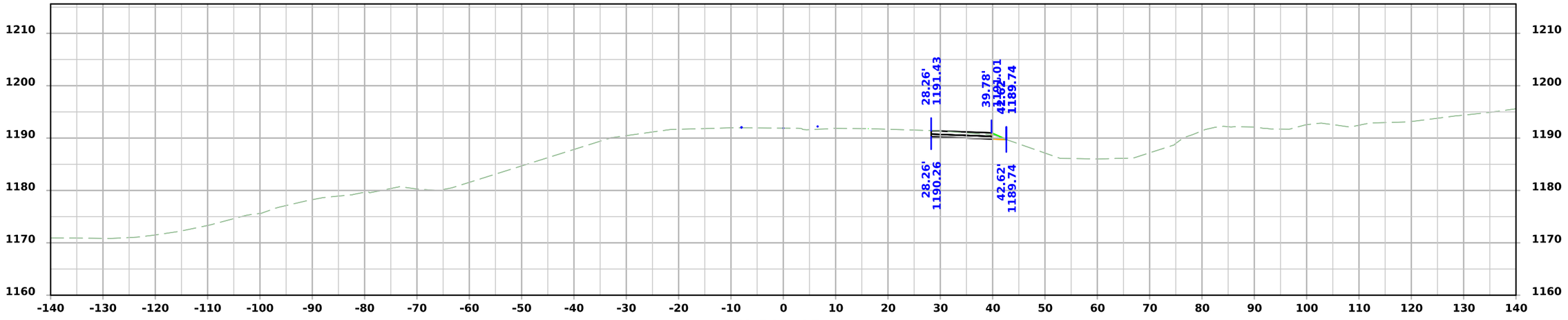


STA 544+50.00

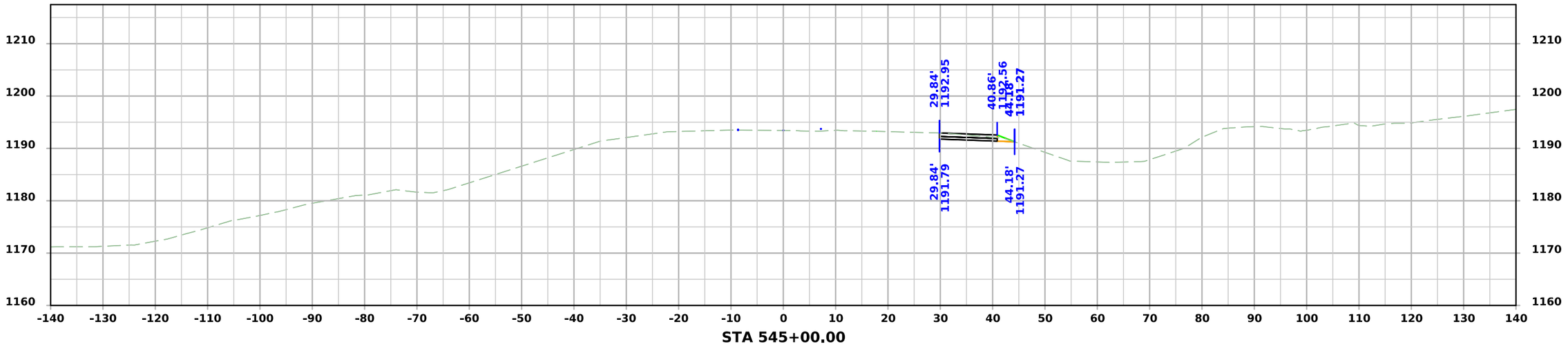
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.205

9:08:40 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

STAGE 1 - DETML059NB_2



STA 545+25.00

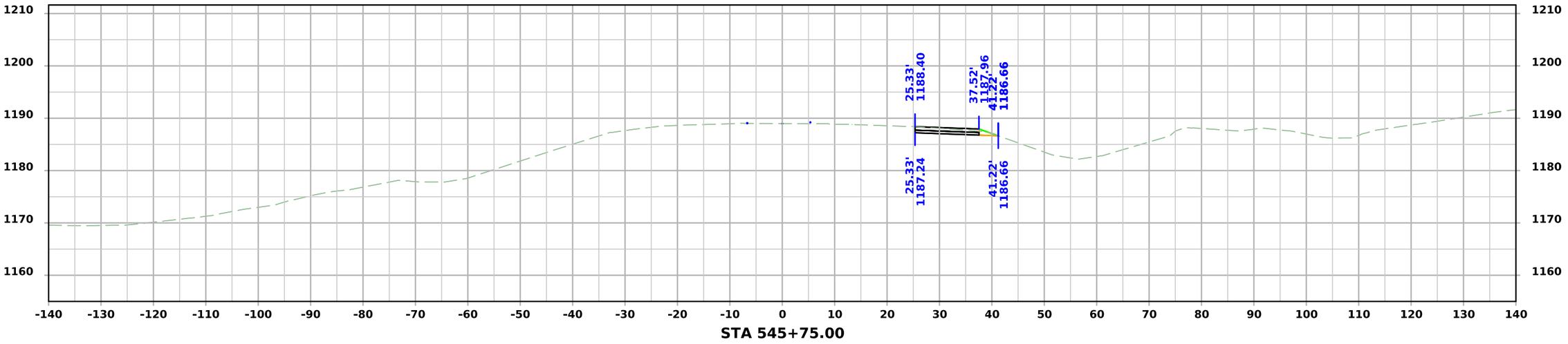


STA 545+00.00

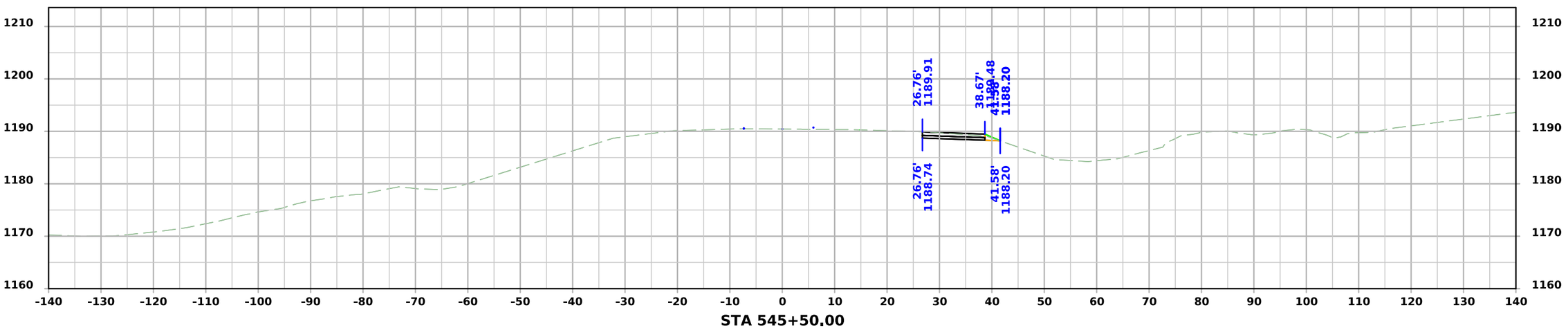
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.206	

9:08:42 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

STAGE 1 - DETML059NB_2



STA 545+75.00

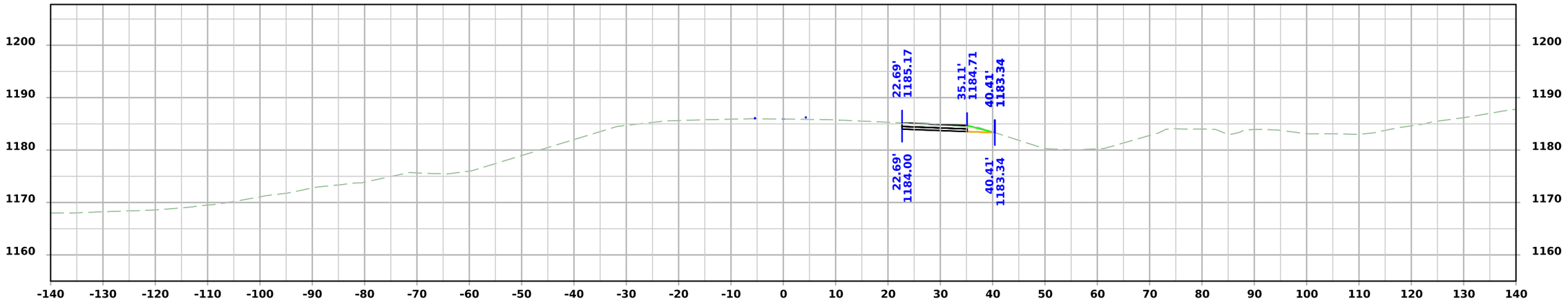


STA 545+50.00

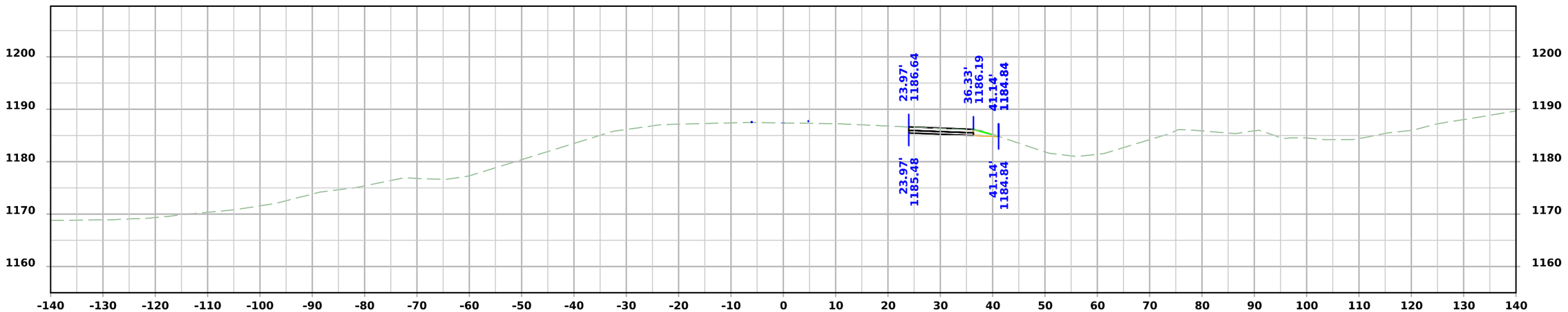
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.207

9:08:44 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

STAGE 1 - DETML059NB_2



STA 546+25.00

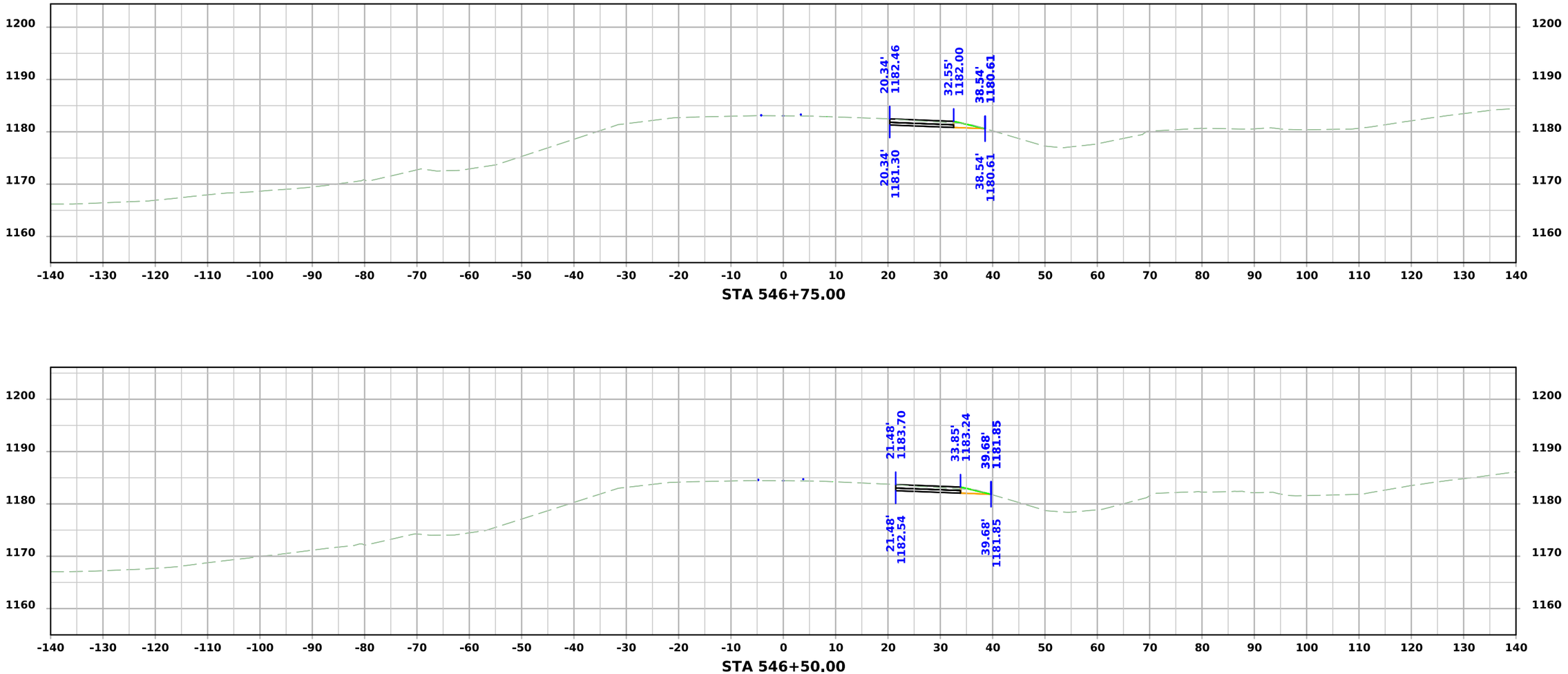


STA 546+00.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.208

9:08:46 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

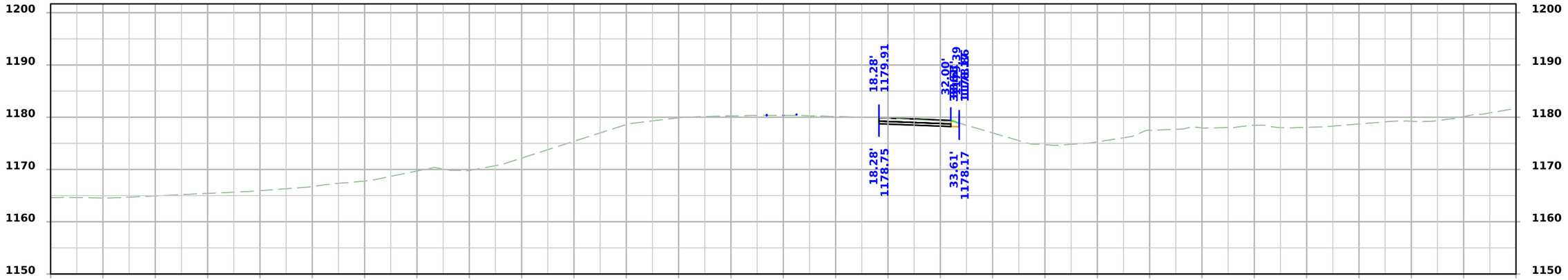
STAGE 1 - DETML059NB_2



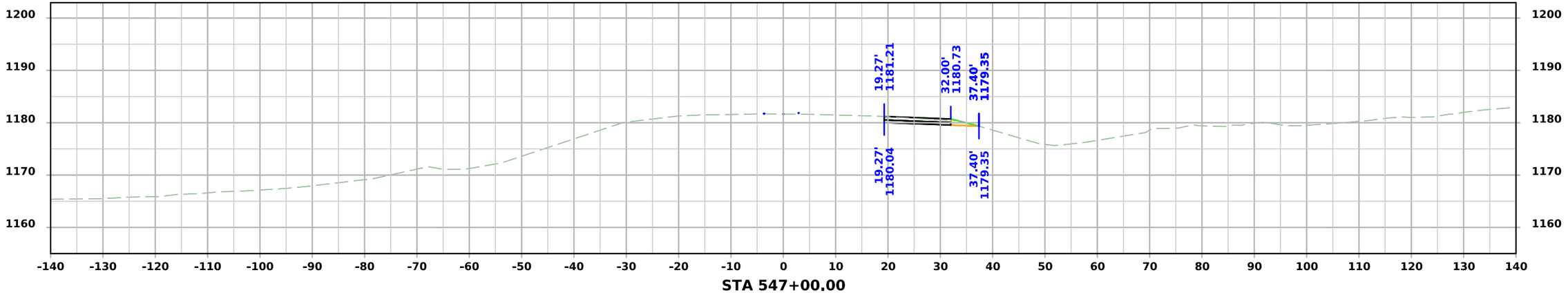
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.209

9:08:47 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

STAGE 1 - DETML059NB_2



STA 547+25.00

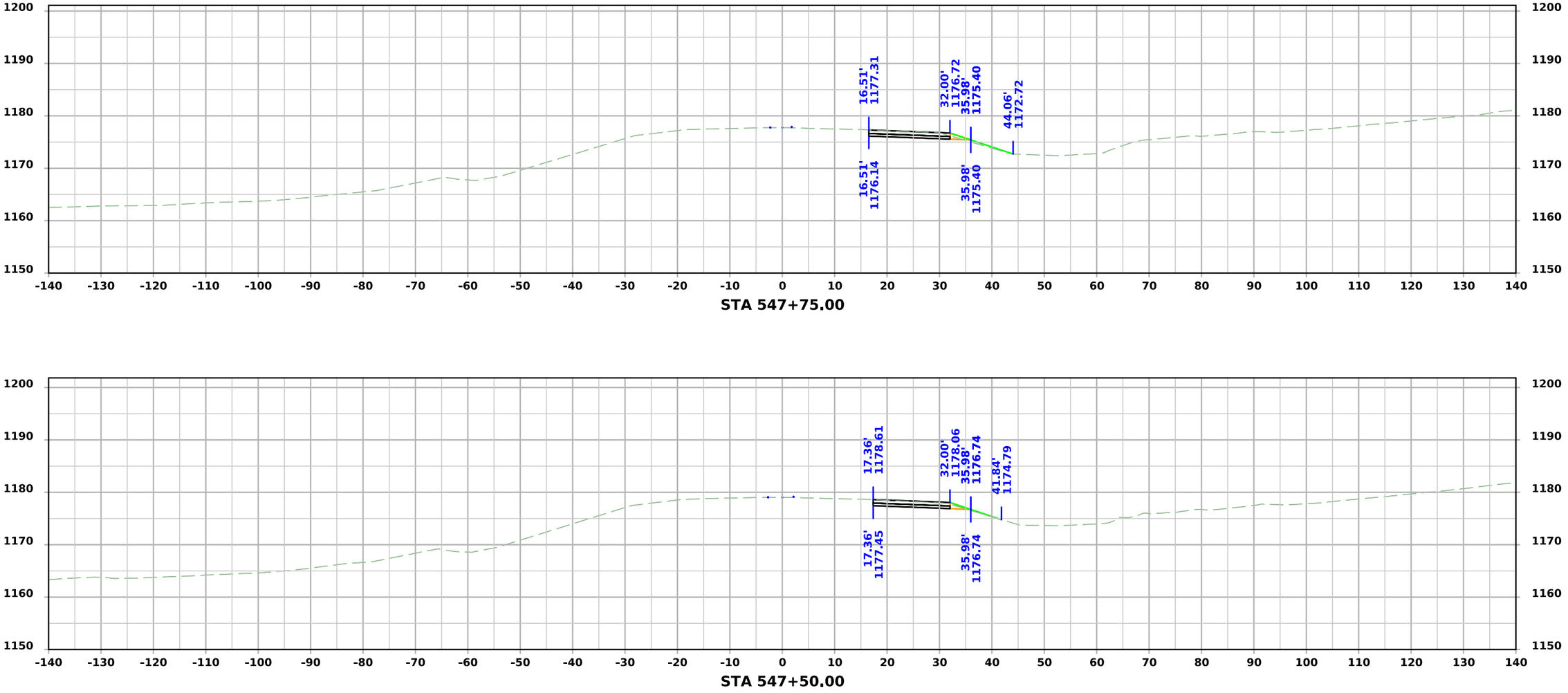


STA 547+00.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.210

9:08:49 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

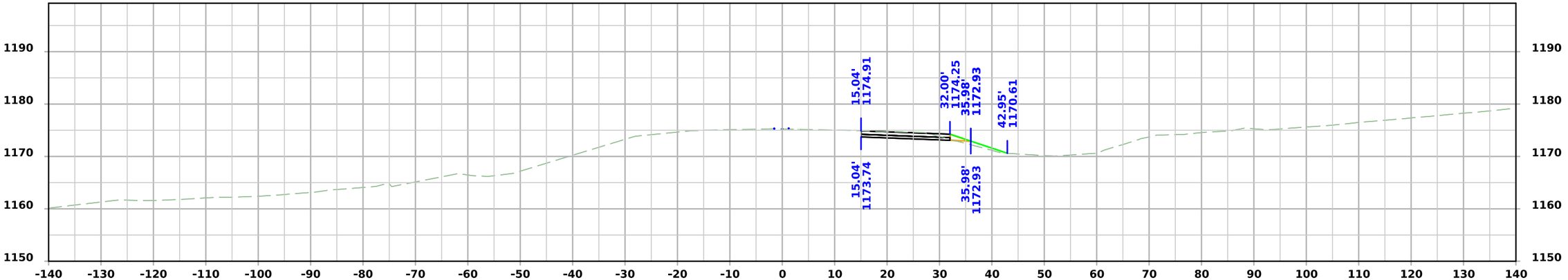
STAGE 1 - DETML059NB_2



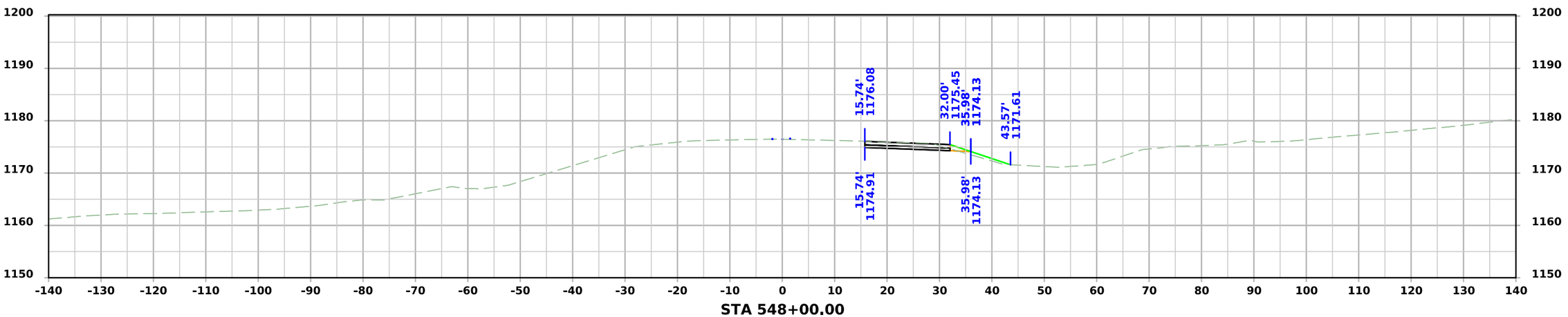
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.211

9:08:51 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

STAGE 1 - DETML059NB_2



STA 548+25.00

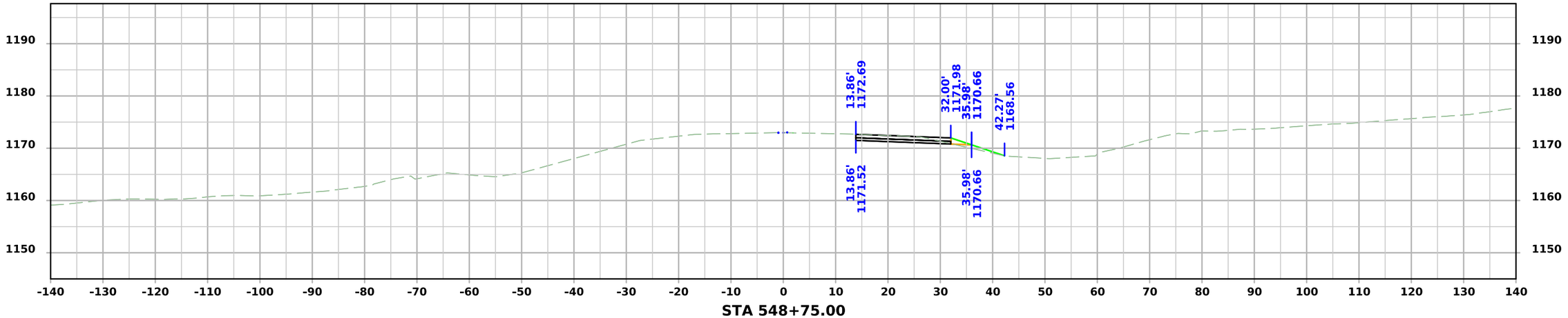


STA 548+00.00

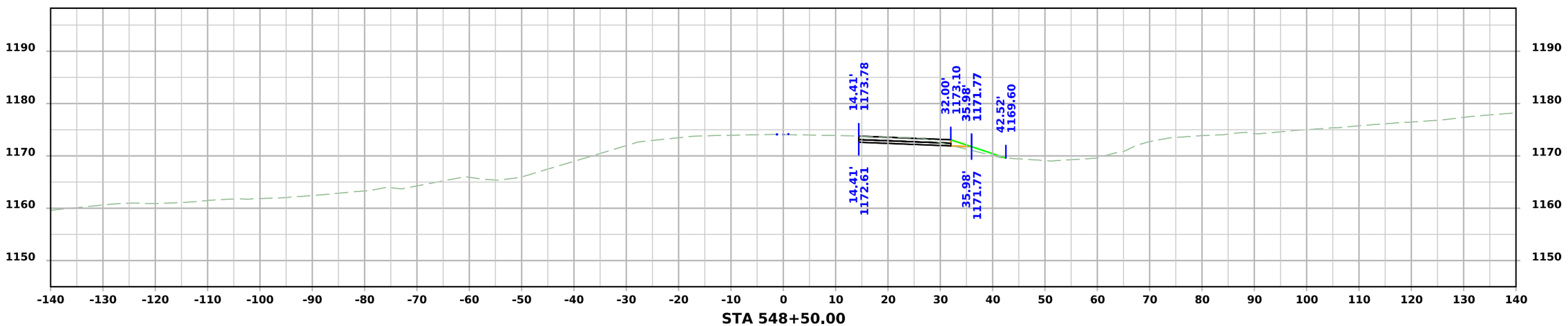
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.212	

9:08:53 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

STAGE 1 - DETML059NB_2



STA 548+75.00

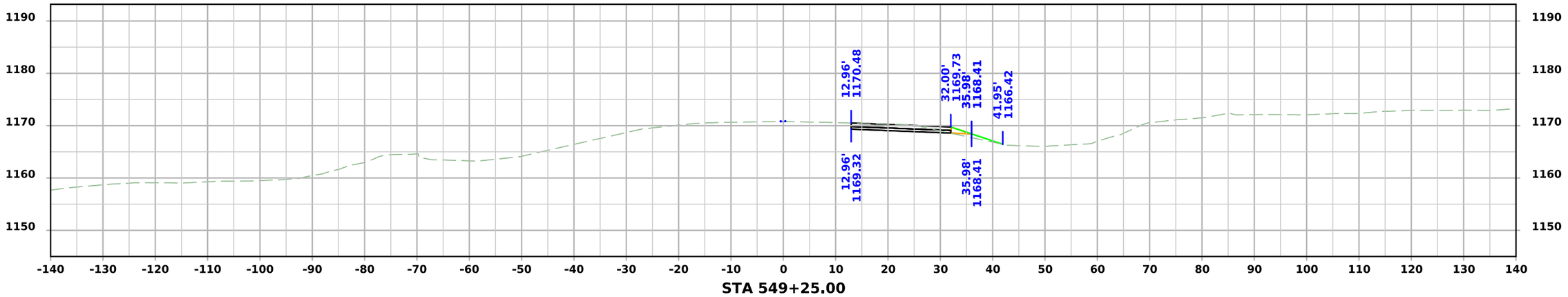


STA 548+50.00

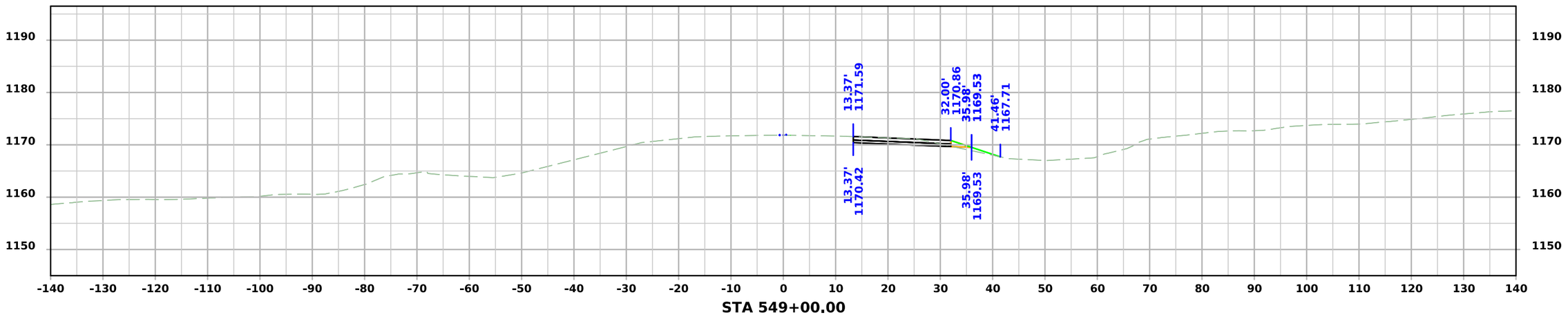
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.213	

9:08:54 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

STAGE 1 - DETML059NB_2



STA 549+25.00

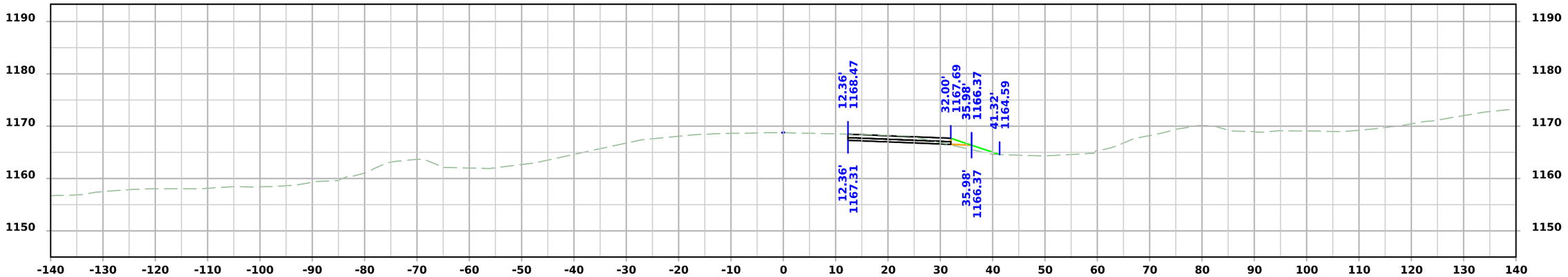


STA 549+00.00

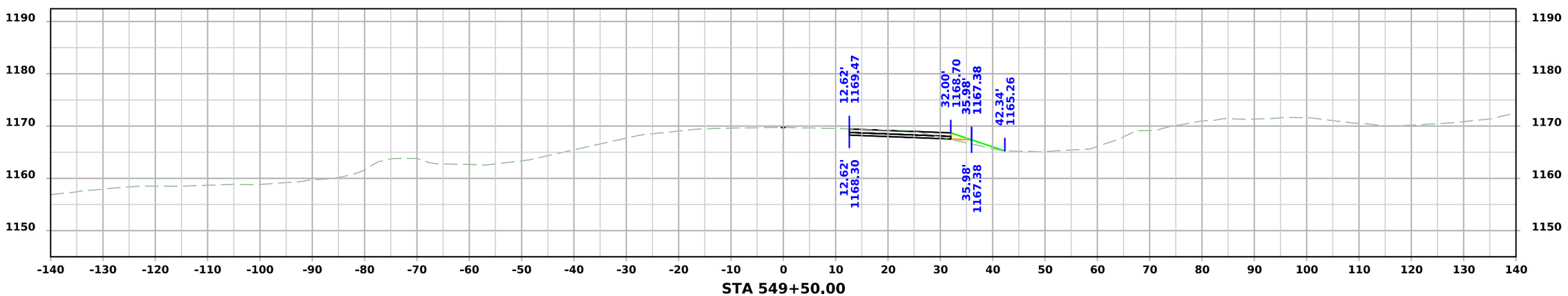
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.214

9:08:56 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

STAGE 1 - DETML059NB_2



STA 549+75.00

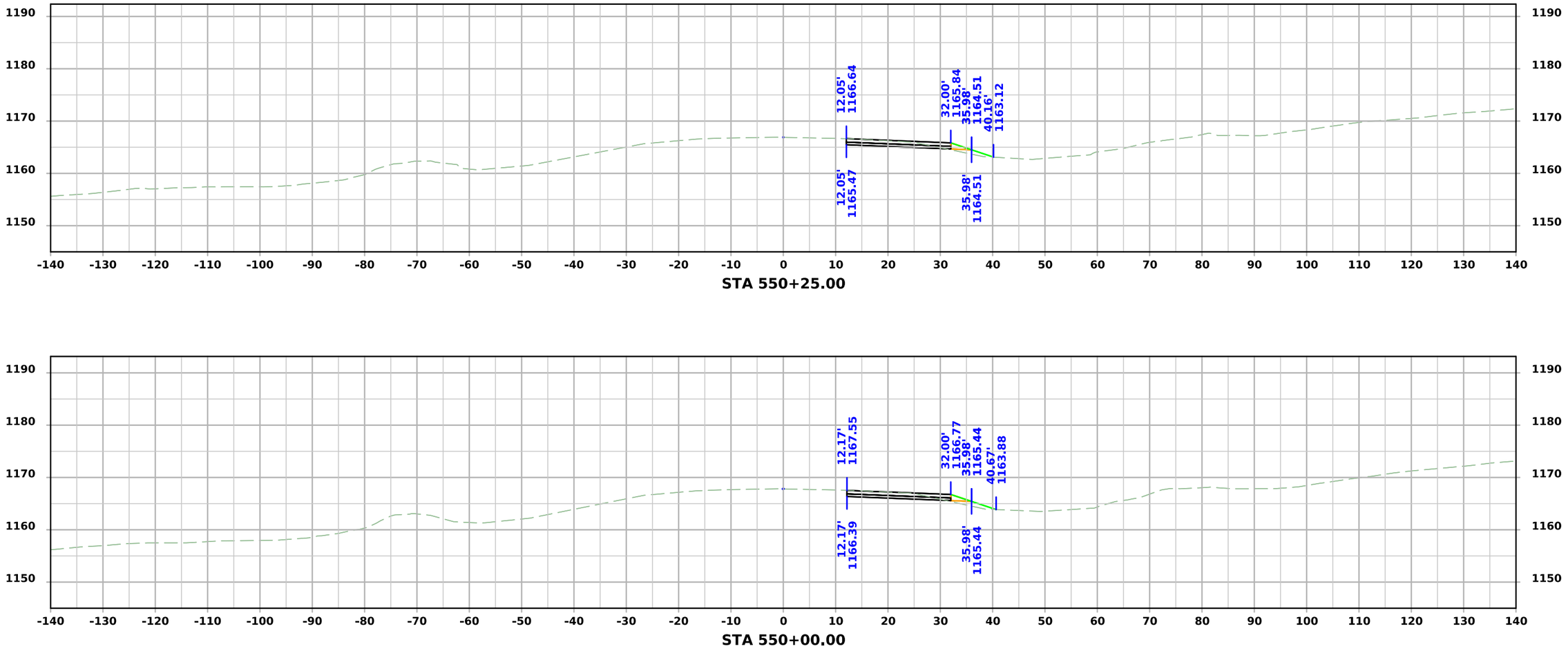


STA 549+50.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.215

9:08:58 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

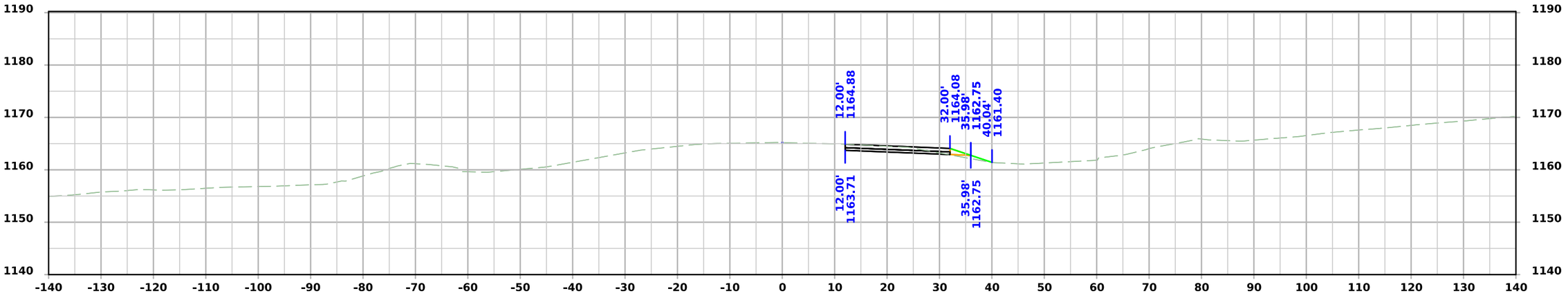
STAGE 1 - DETML059NB_2



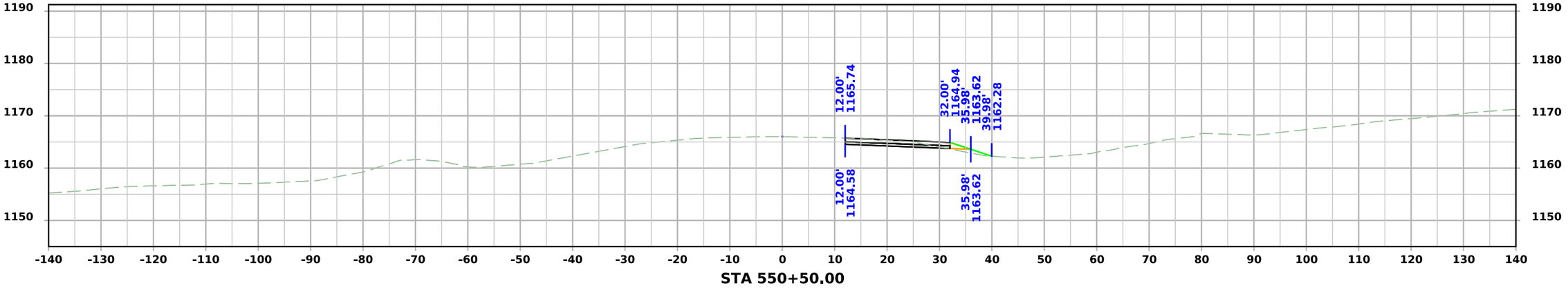
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.216

9:08:59 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

STAGE 1 - DETML059NB_2



STA 550+75.00

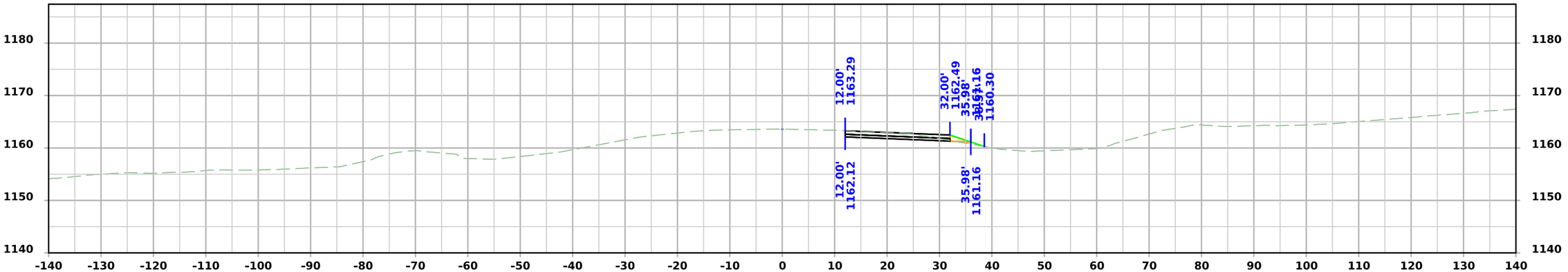


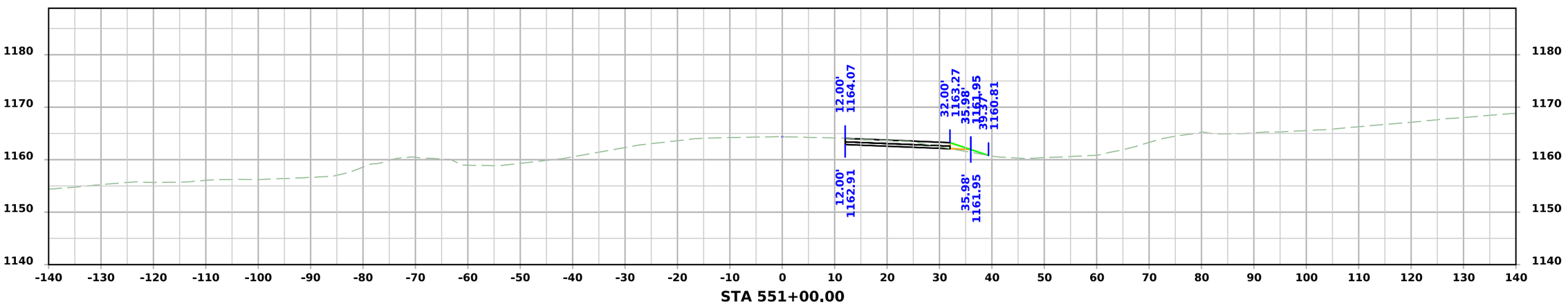
STA 550+50.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.217

9:09:01 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

STAGE 1 - DETML059NB_2

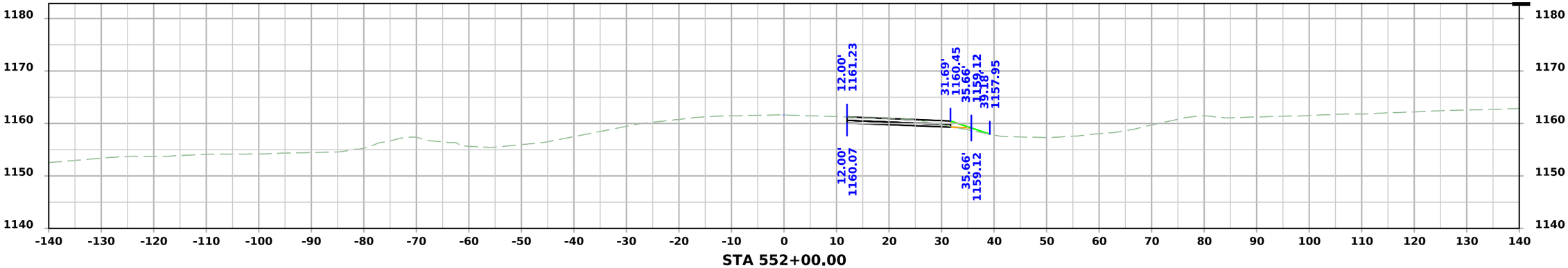




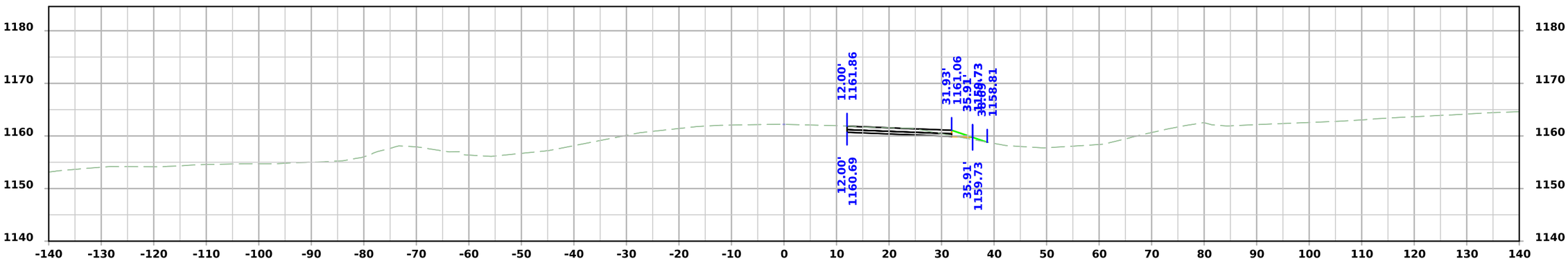
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.218	

9:09:03 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

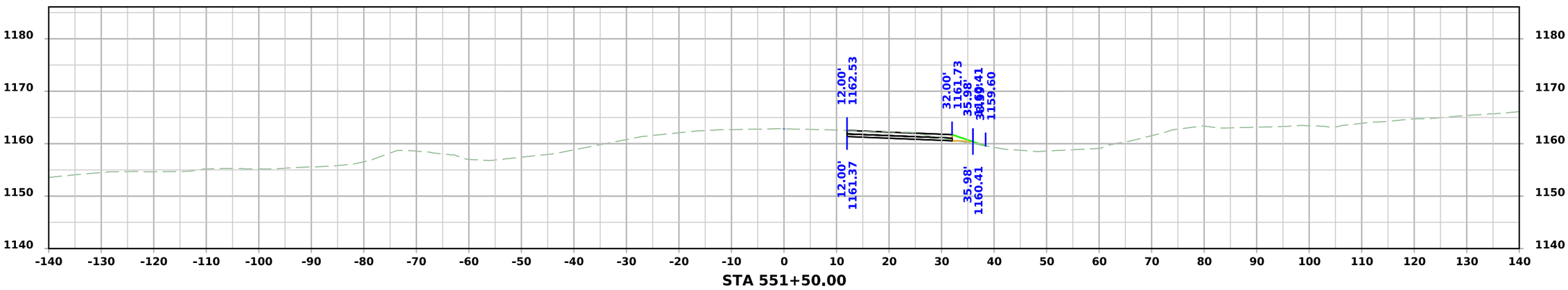
STAGE 1 - DETML059NB_2



STA 552+00.00



STA 551+75.00

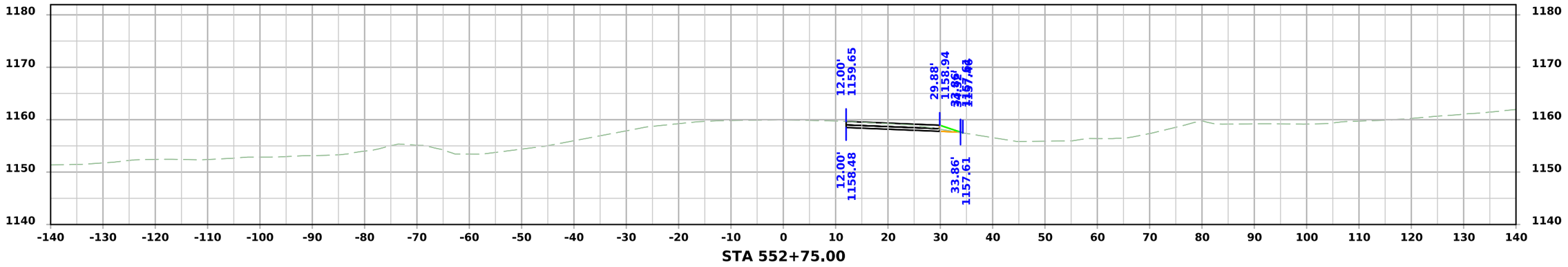


STA 551+50.00

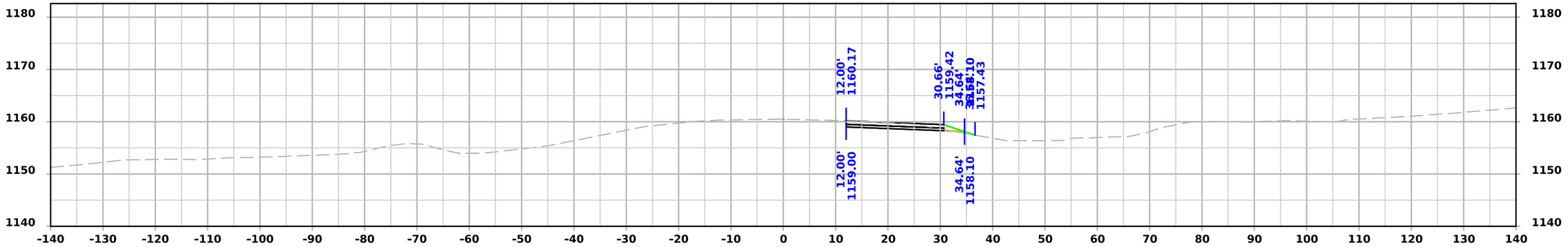
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.219

9:09:05 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

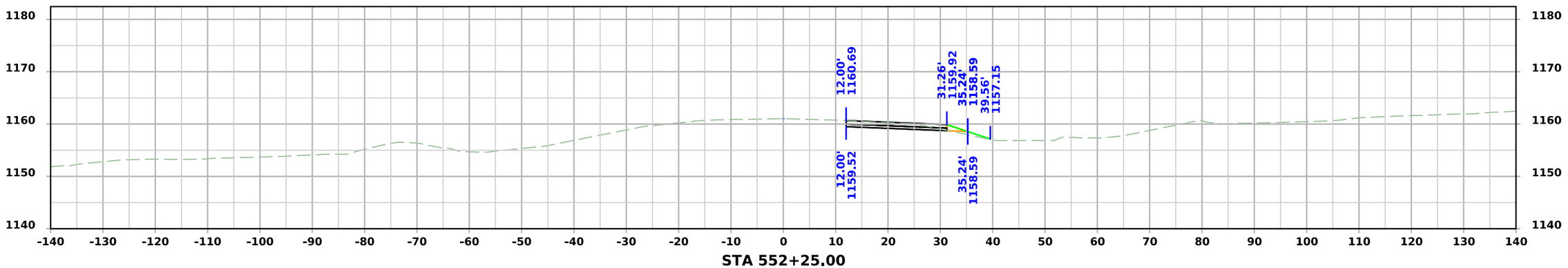
STAGE 1 - DETML059NB_2



STA 552+75.00



STA 552+50.00

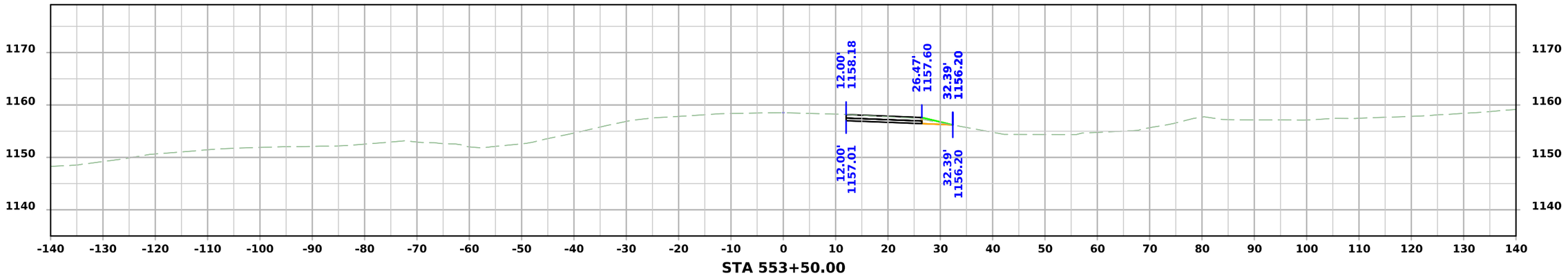


STA 552+25.00

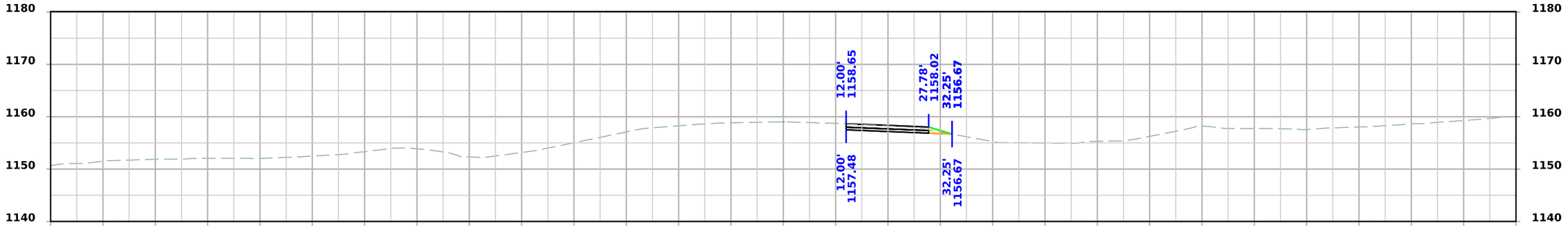
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.220	

9:09:06 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

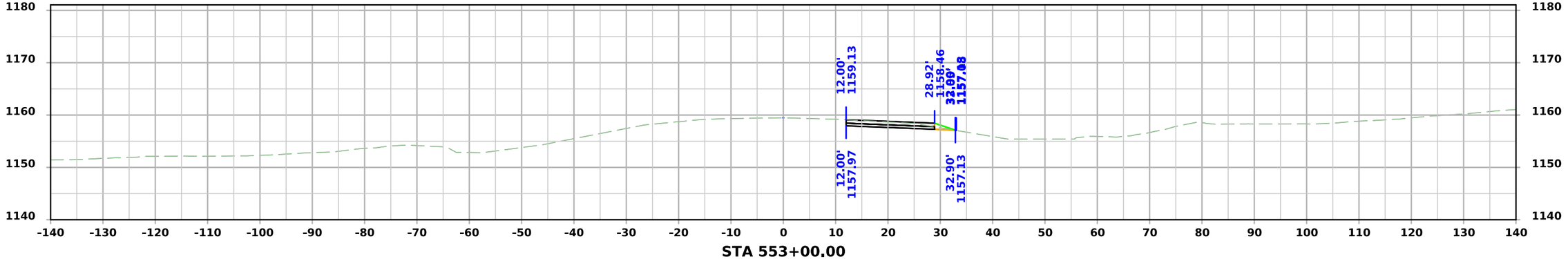
STAGE 1 - DETML059NB_2



STA 553+50.00



STA 553+25.00

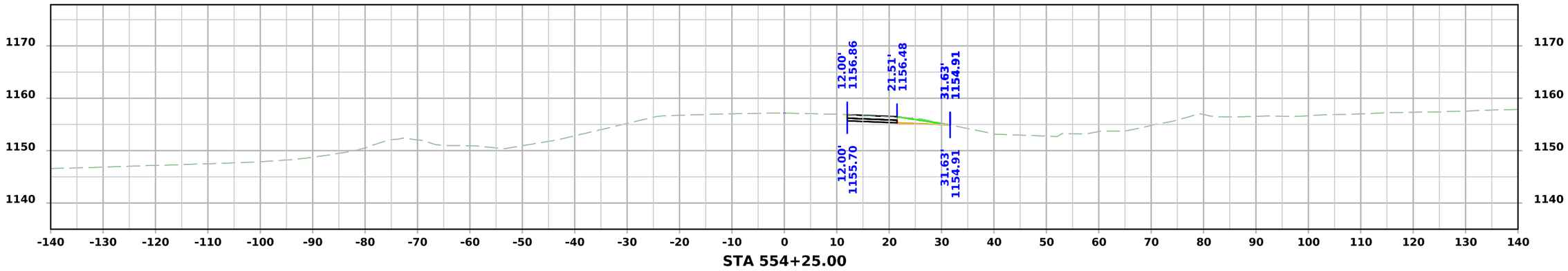


STA 553+00.00

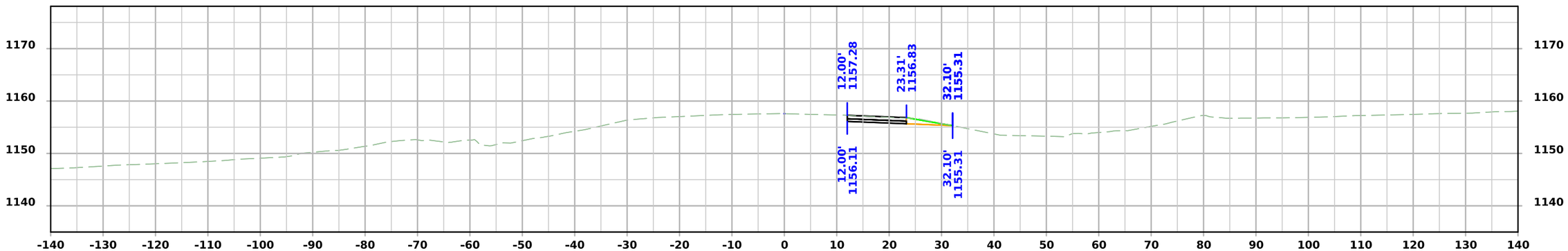
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.221

9:09:08 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

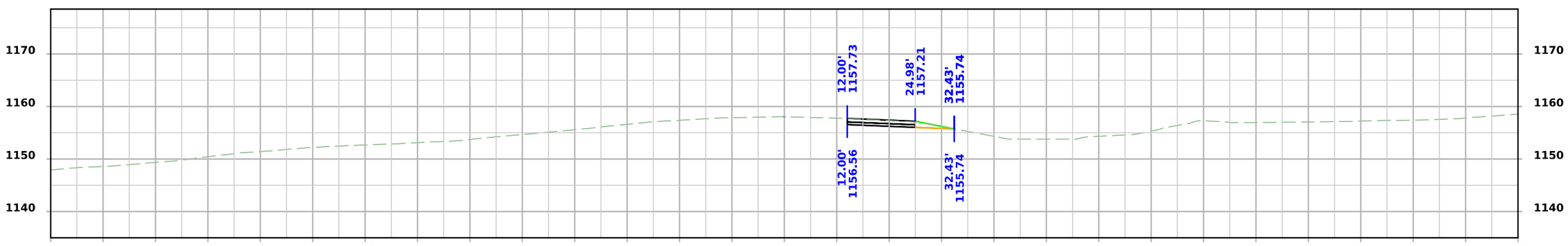
STAGE 1 - DETML059NB_2



STA 554+25.00



STA 554+00.00

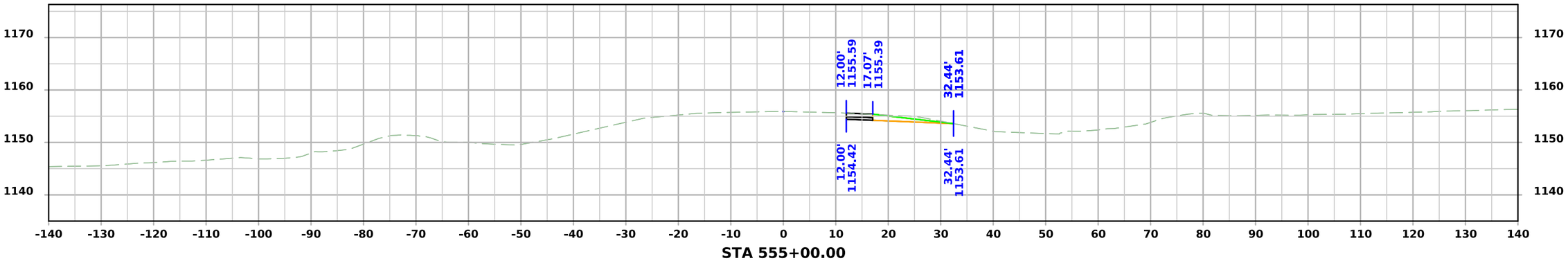


STA 553+75.00

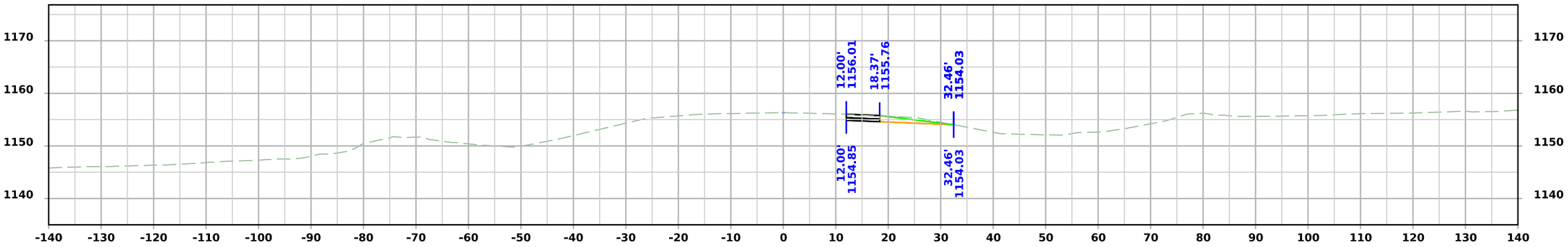
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.222

9:09:10 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

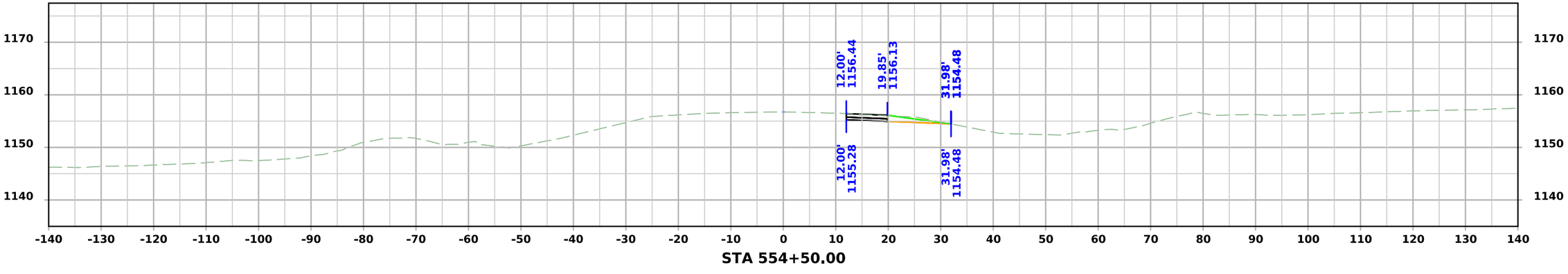
STAGE 1 - DETML059NB_2



STA 555+00.00



STA 554+75.00

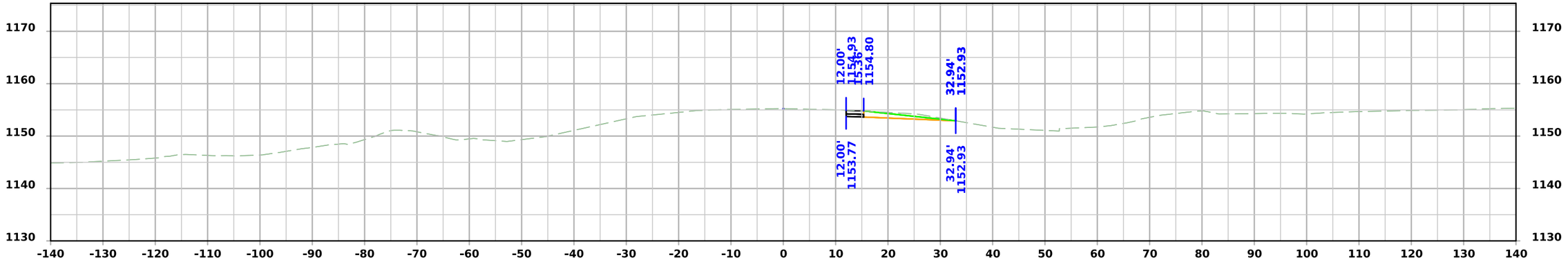


STA 554+50.00

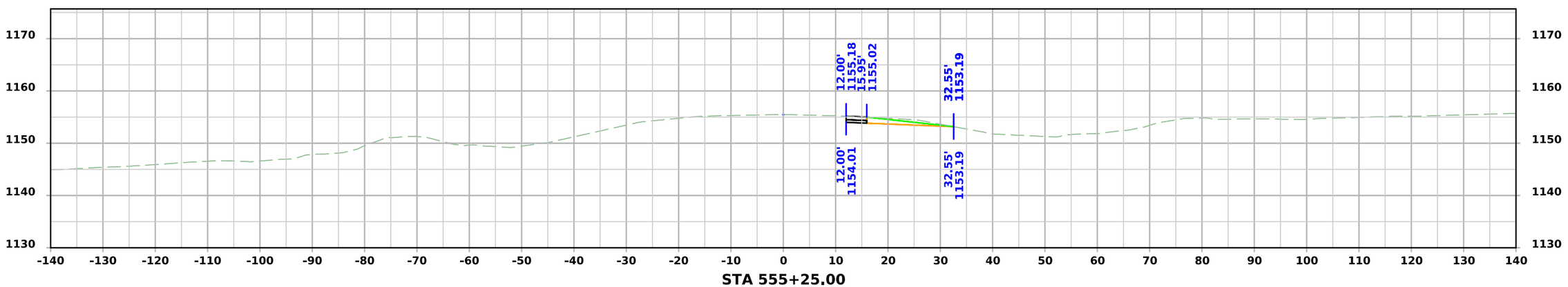
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.223	

9:09:12 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

STAGE 1 - DETML059NB_2



STA 555+40.00

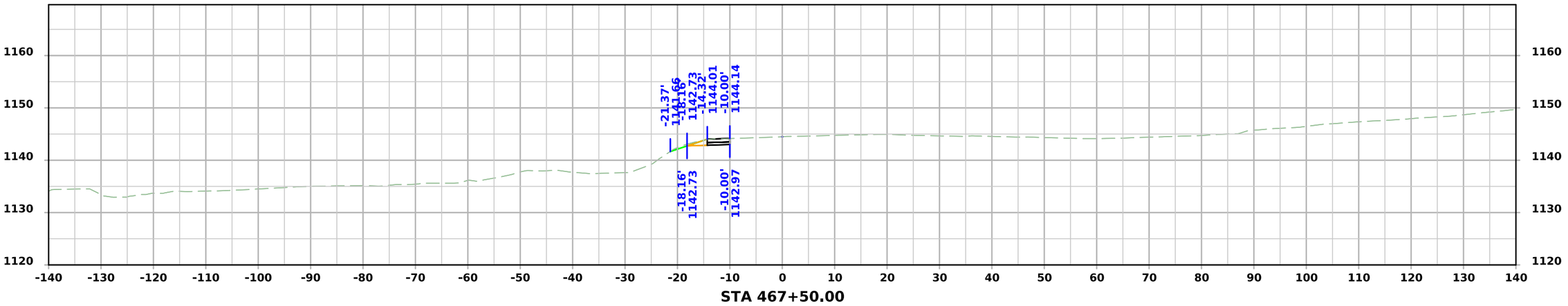


STA 555+25.00

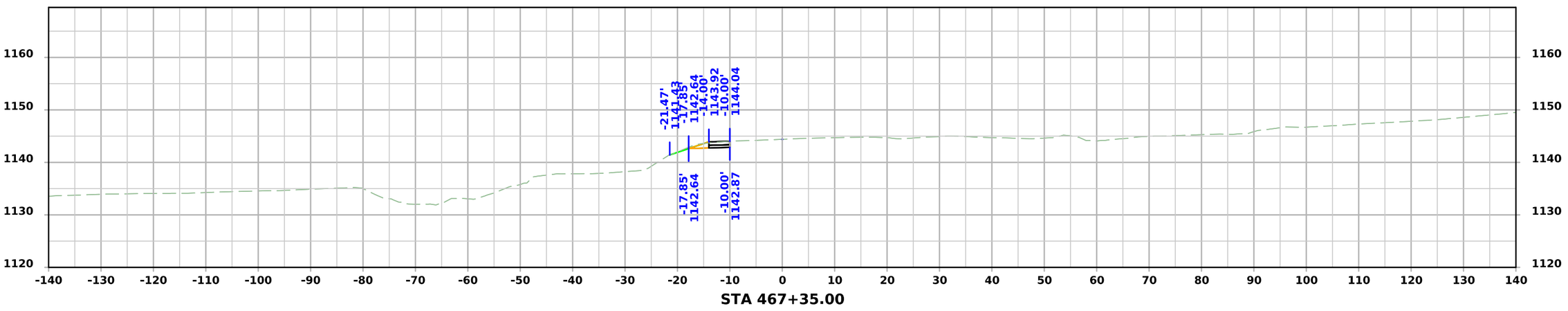
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.224

9:09:14 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z100__78059056Z06.dgn

STAGE 2A - DETML059SB_1



STA 467+50.00

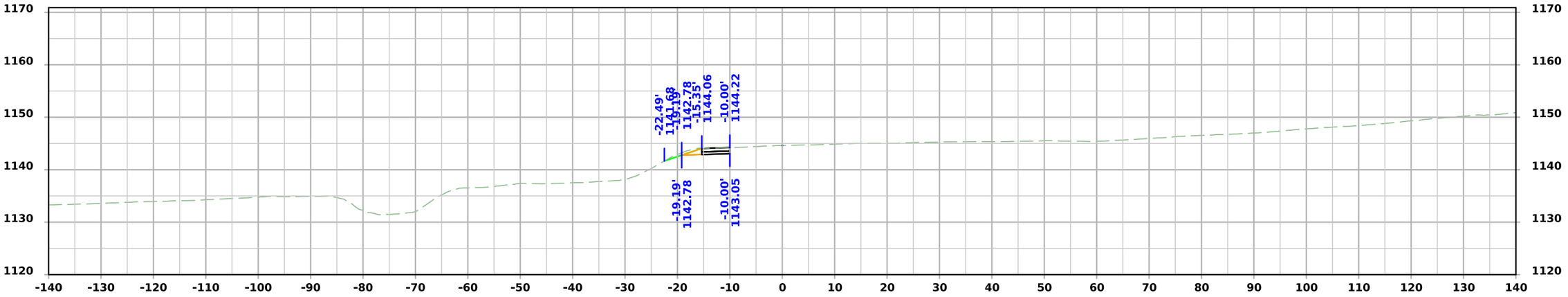


STA 467+35.00

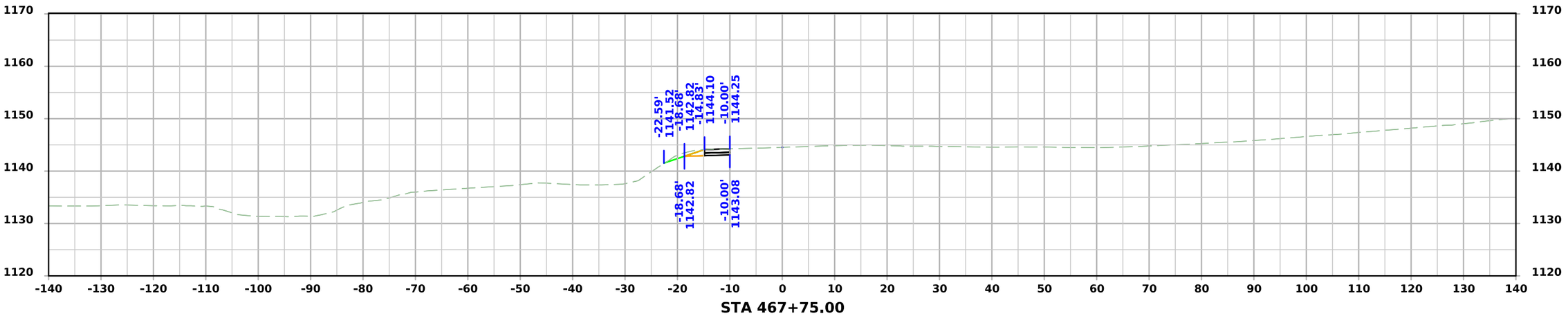
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.300

11:05:20 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z300_78059056Z06.dgn

STAGE 2A - DETML059SB_1



STA 468+00.00

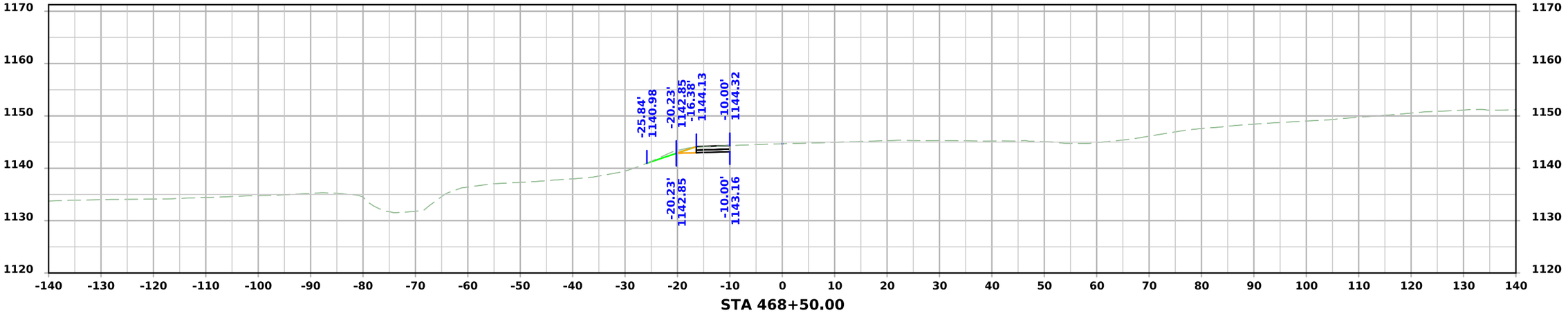


STA 467+75.00

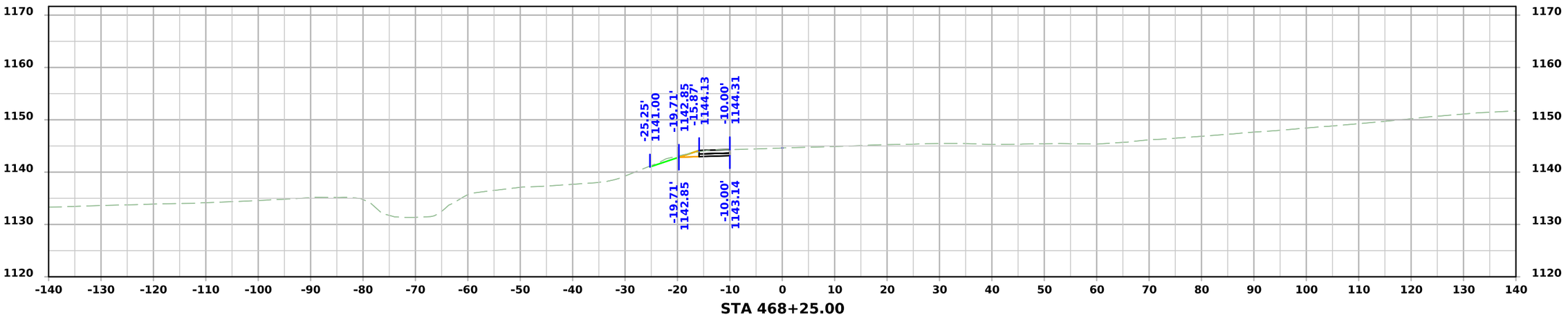
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.301

11:05:24 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z300_78059056Z06.dgn

STAGE 2A - DETML059SB_1



STA 468+50.00

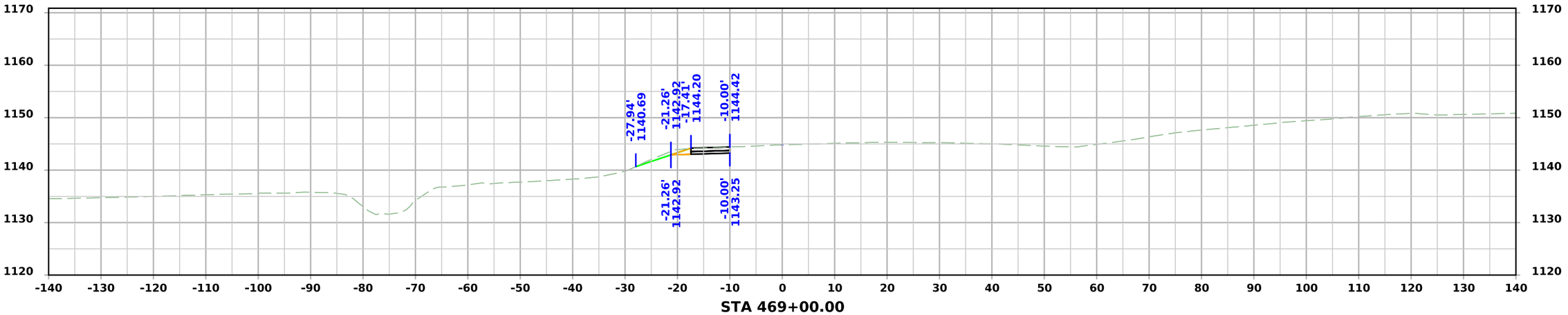


STA 468+25.00

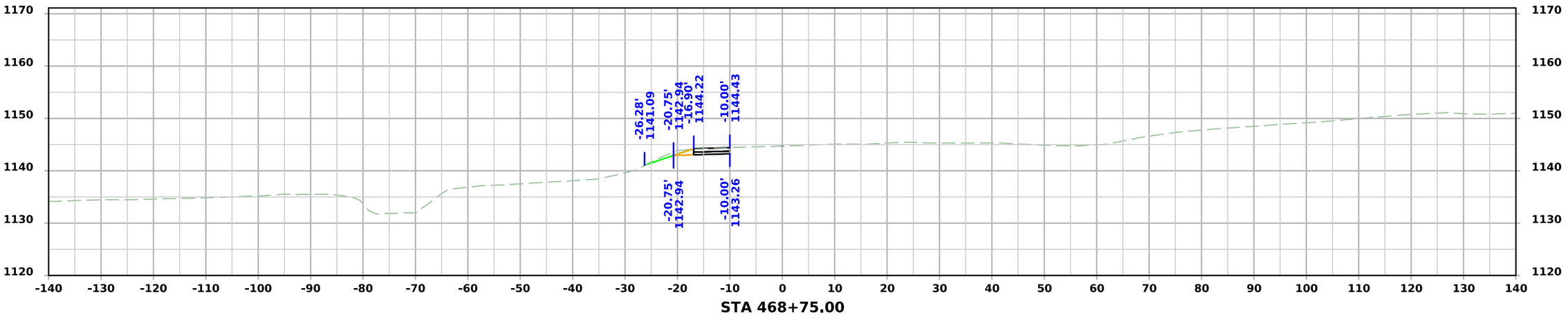
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.302

11:05:25 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z300_78059056Z06.dgn

STAGE 2A - DETML059SB_1



STA 469+00.00

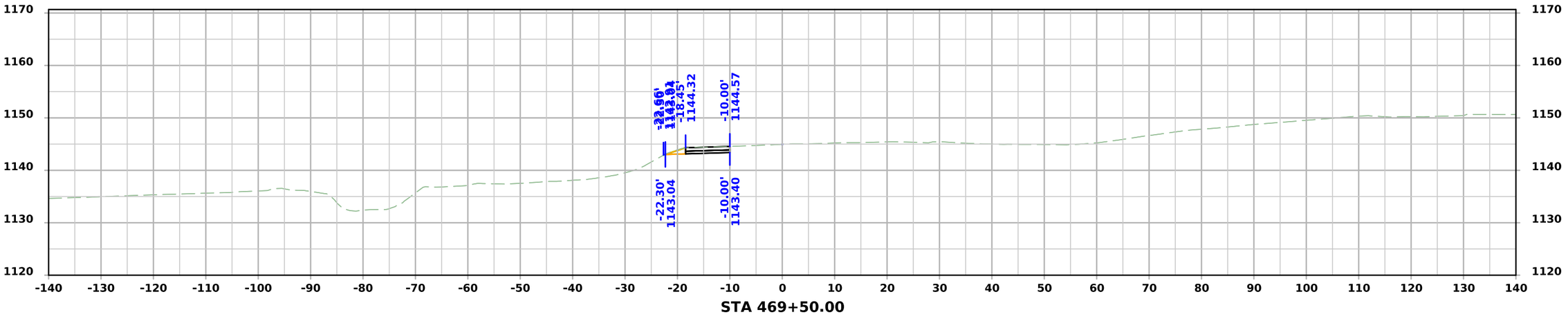


STA 468+75.00

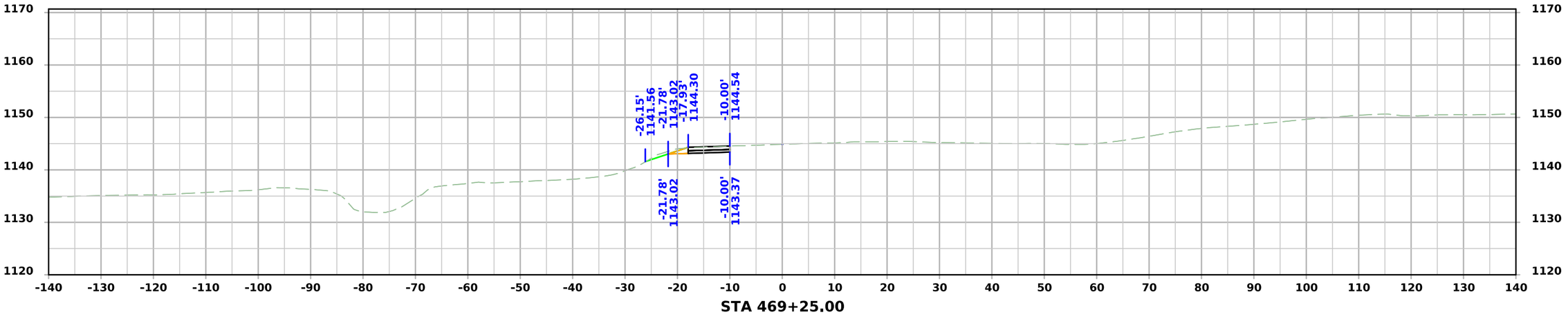
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.303

11:05:26 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z300_78059056Z06.dgn

STAGE 2A - DETML059SB_1



STA 469+50.00

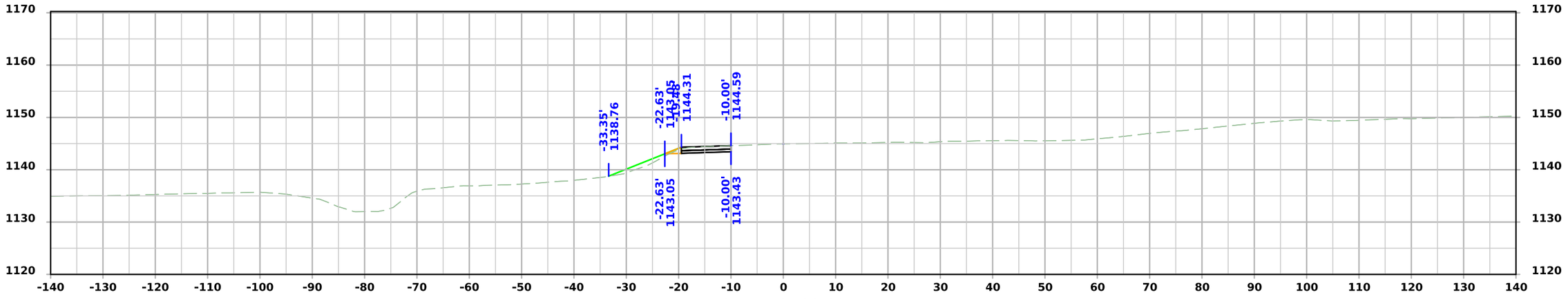


STA 469+25.00

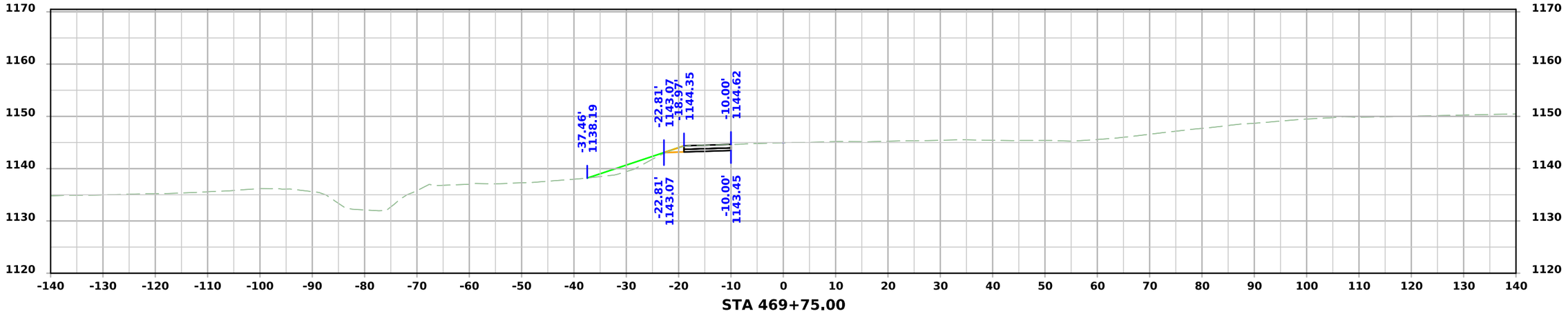
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.304

11:05:28 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z300_78059056Z06.dgn

STAGE 2A - DETML059SB_1



STA 470+00.00

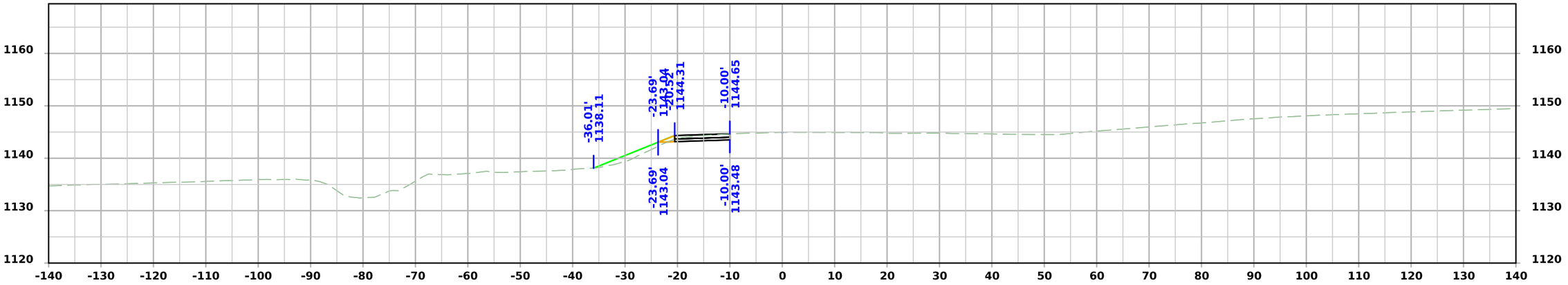


STA 469+75.00

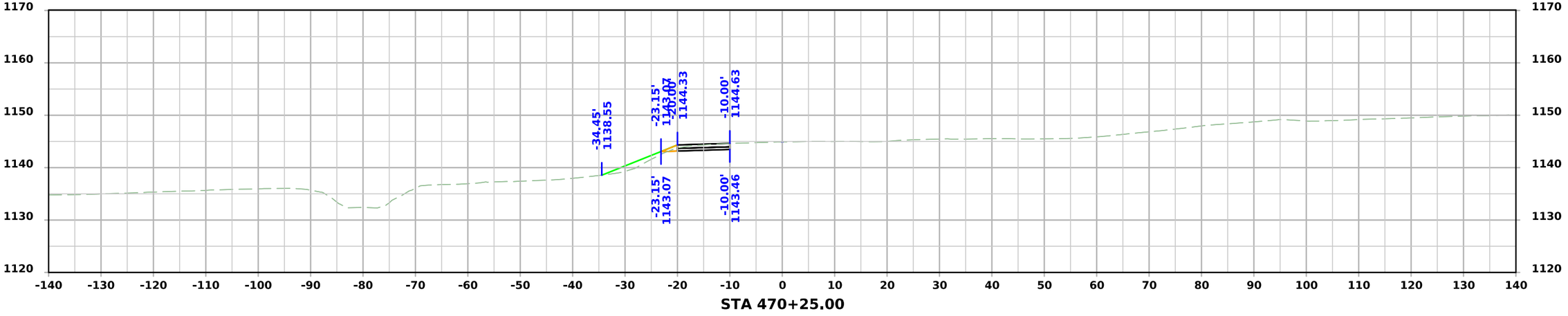
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.305

11:05:29 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z300_78059056Z06.dgn

STAGE 2A - DETML059SB_1



STA 470+50.00

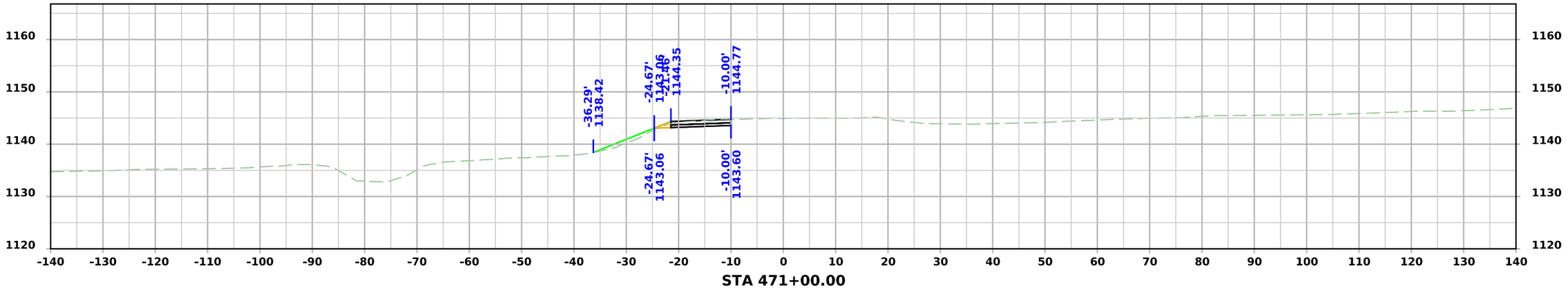


STA 470+25.00

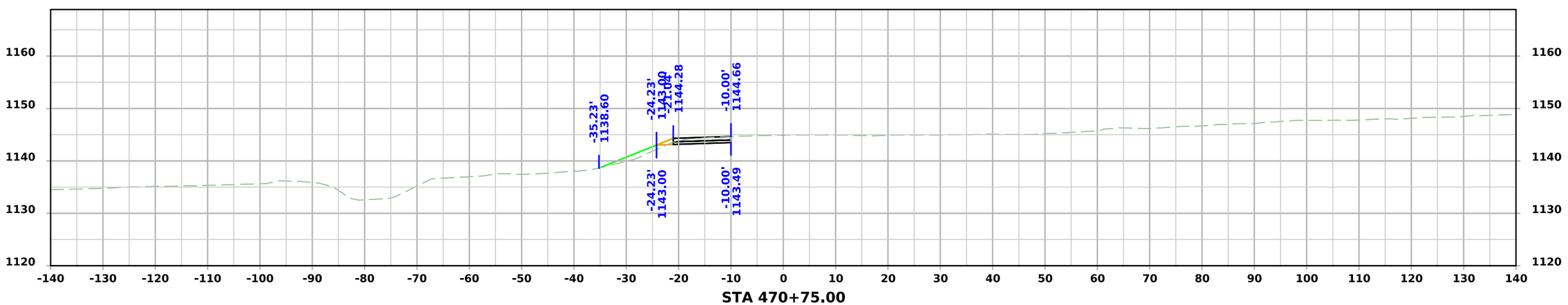
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.306	

11:05:33 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z300_78059056Z06.dgn

STAGE 2A - DETML059SB_1



STA 471+00.00

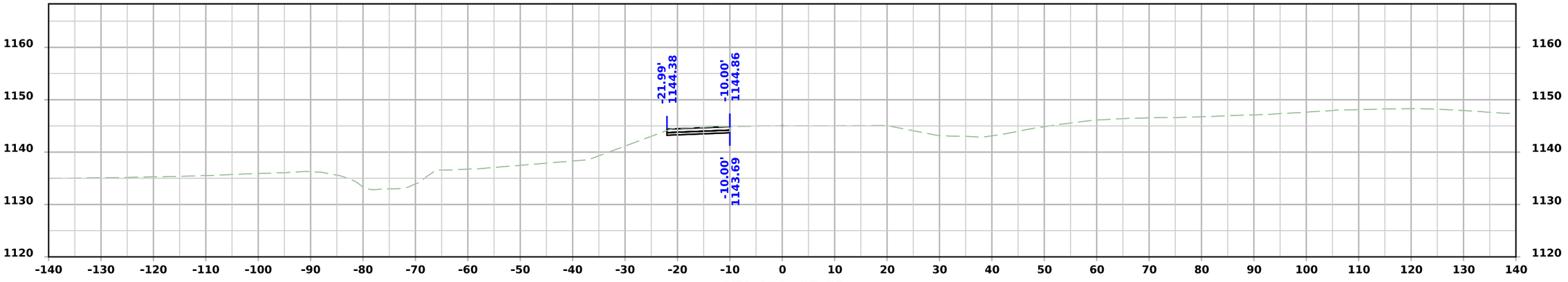


STA 470+75.00

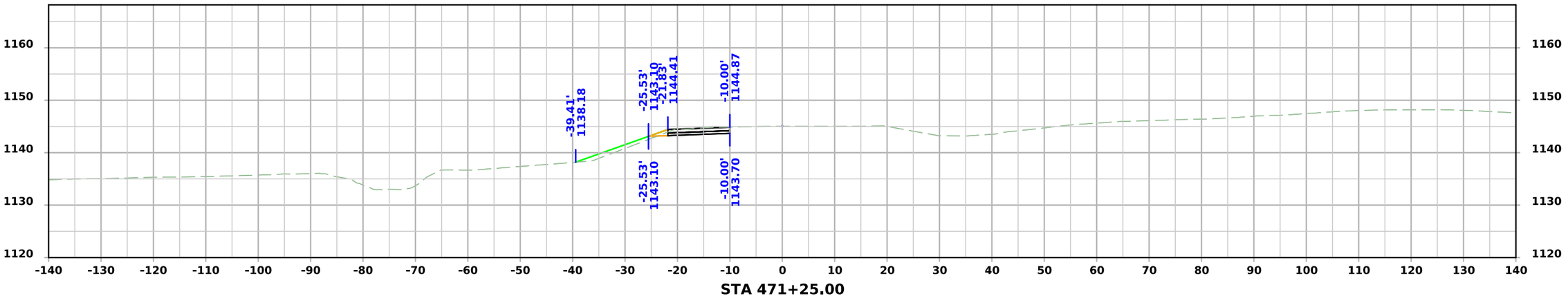
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.307

11:05:37 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z300_78059056Z06.dgn

STAGE 2A - DETML059SB_1



STA 471+35.75

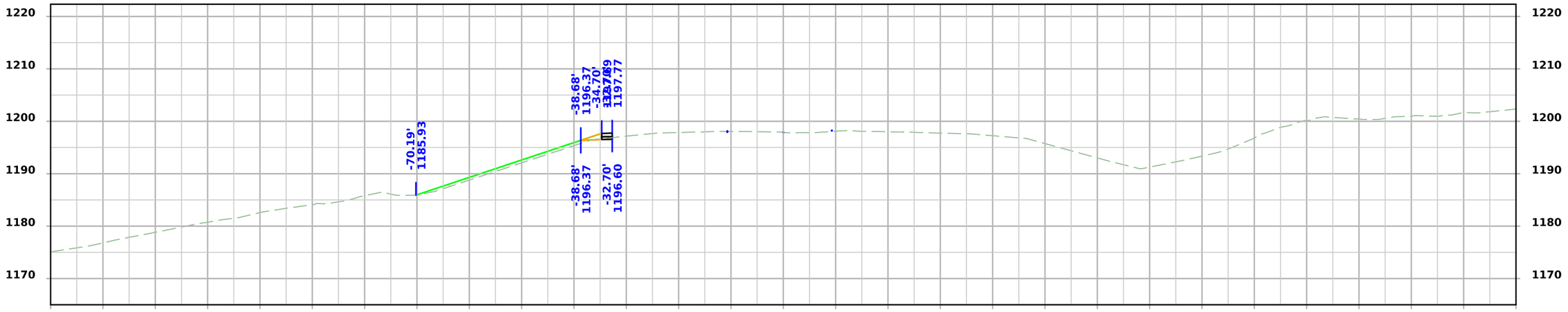


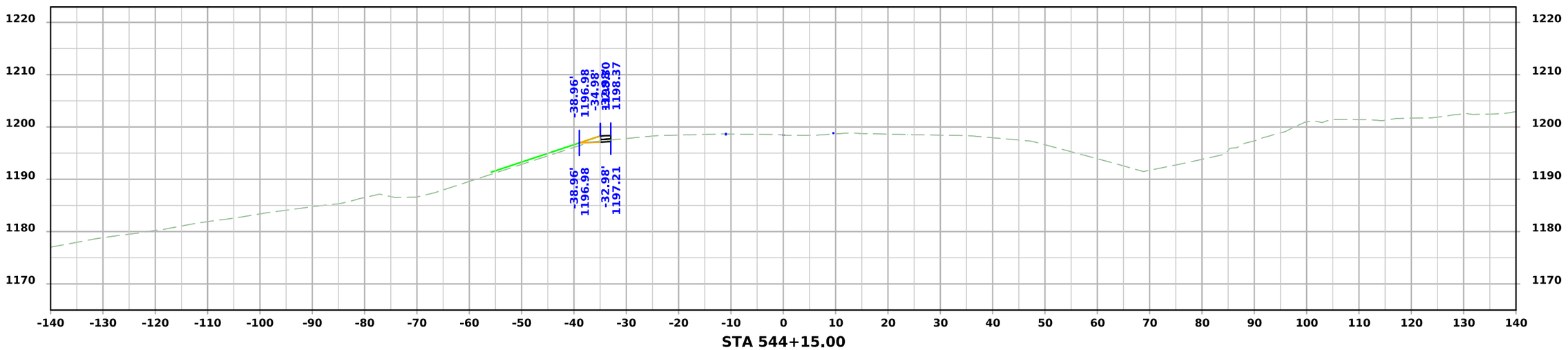
STA 471+25.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.308	

11:05:41 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z300_78059056Z06.dgn

STAGE 2A - DETML059SB_2

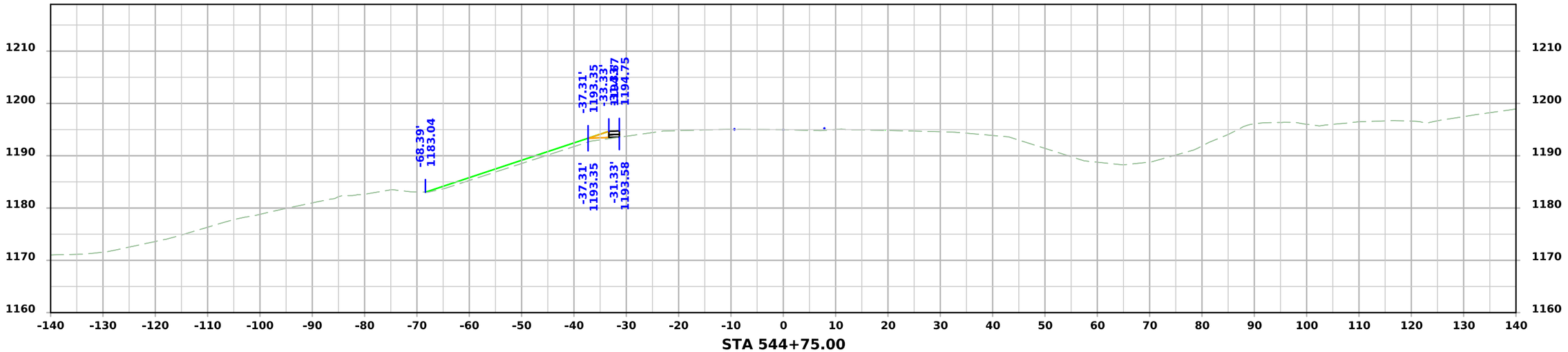




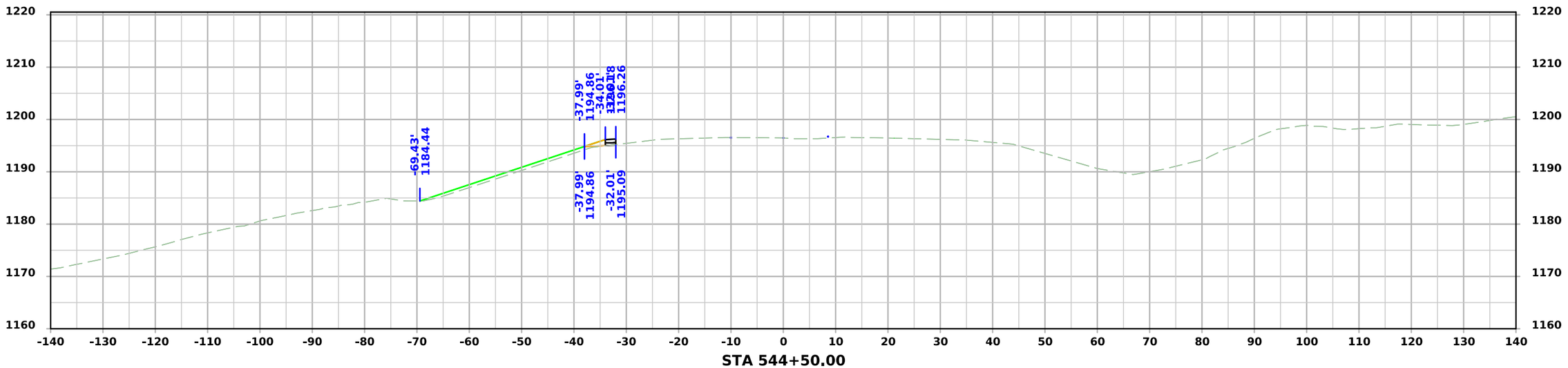
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.400	

11:08:43 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z300_78059056Z06.dgn

STAGE 2A - DETML059SB_2



STA 544+75.00

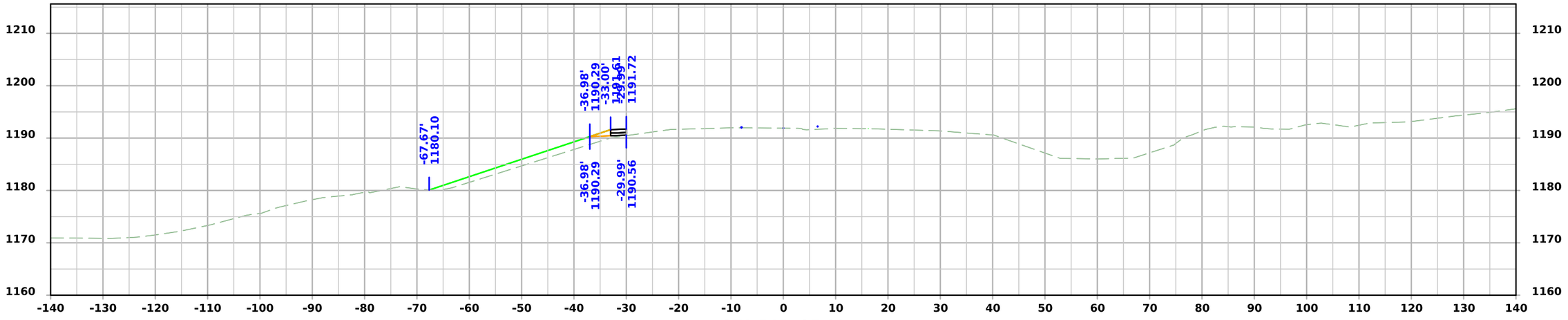


STA 544+50.00

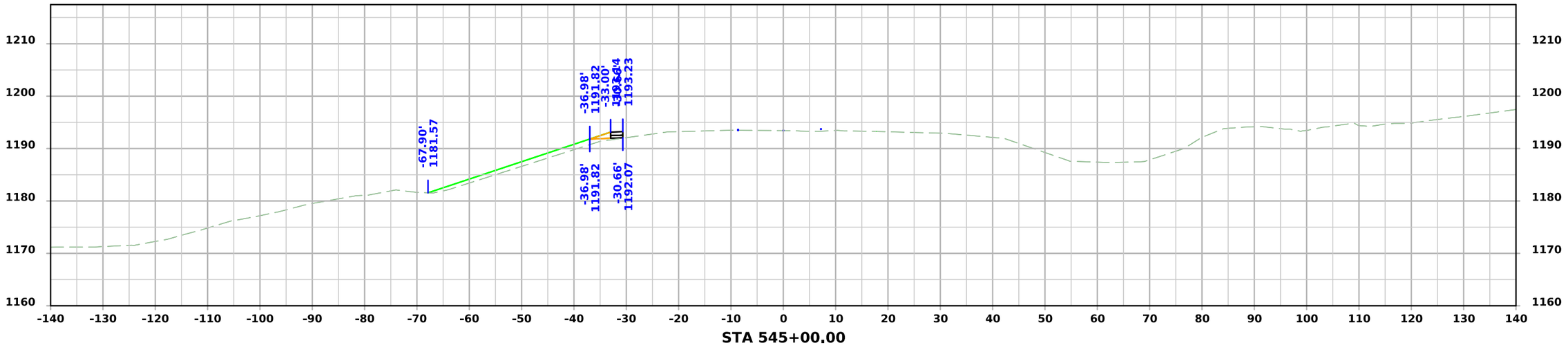
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.401

11:08:44 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z300_78059056Z06.dgn

STAGE 2A - DETML059SB_2



STA 545+25.00

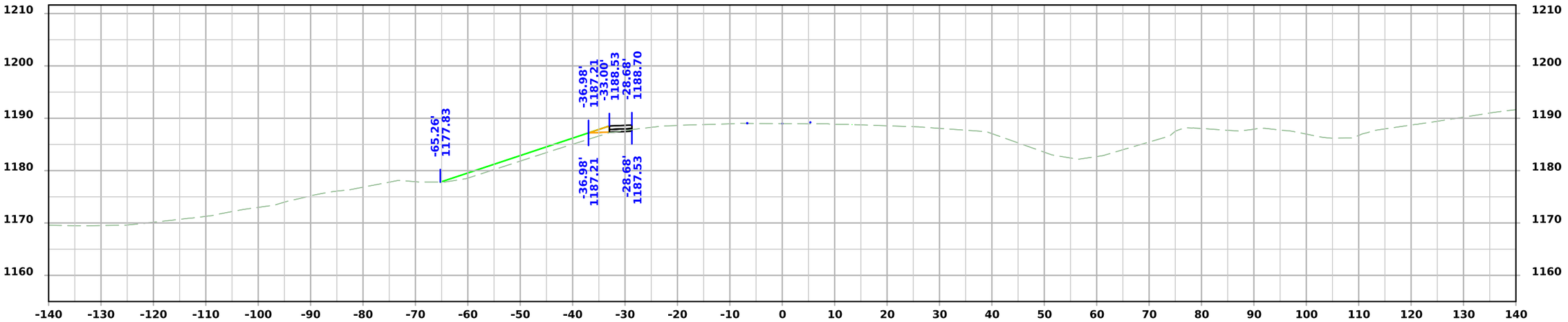


STA 545+00.00

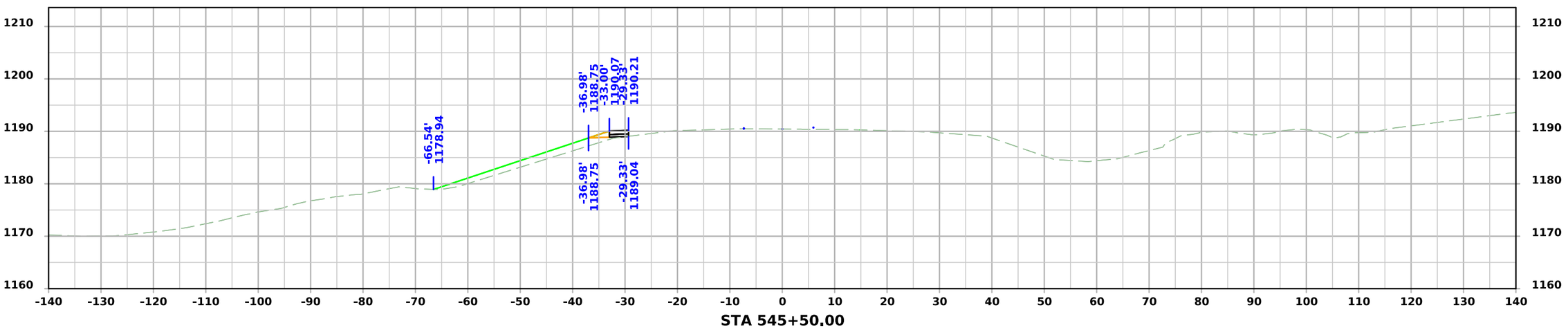
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.402	

11:08:46 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z300_78059056Z06.dgn

STAGE 2A - DETML059SB_2



STA 545+75.00

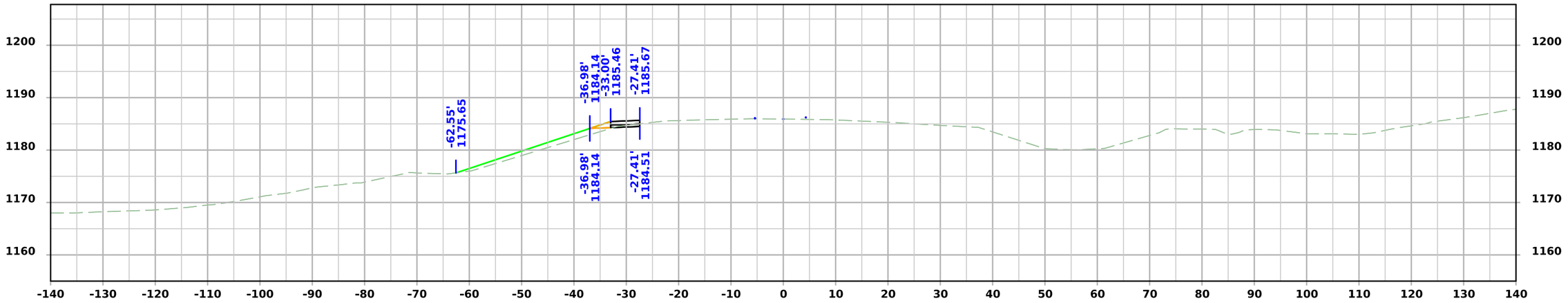


STA 545+50.00

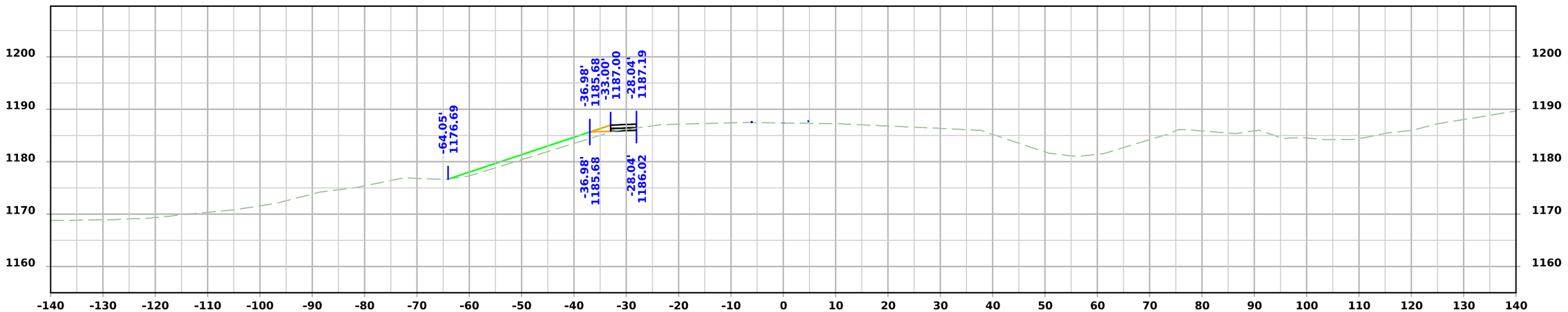
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.403

11:08:47 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z300_78059056Z06.dgn

STAGE 2A - DETML059SB_2



STA 546+25.00

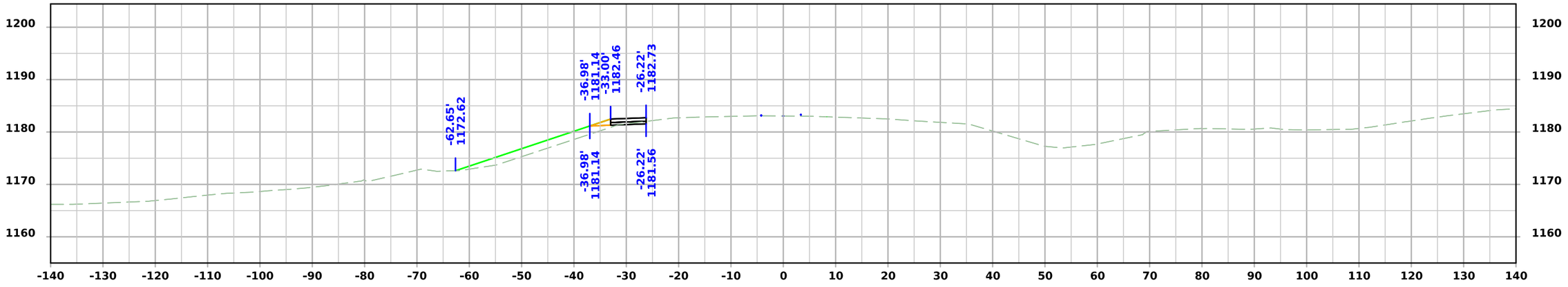


STA 546+00.00

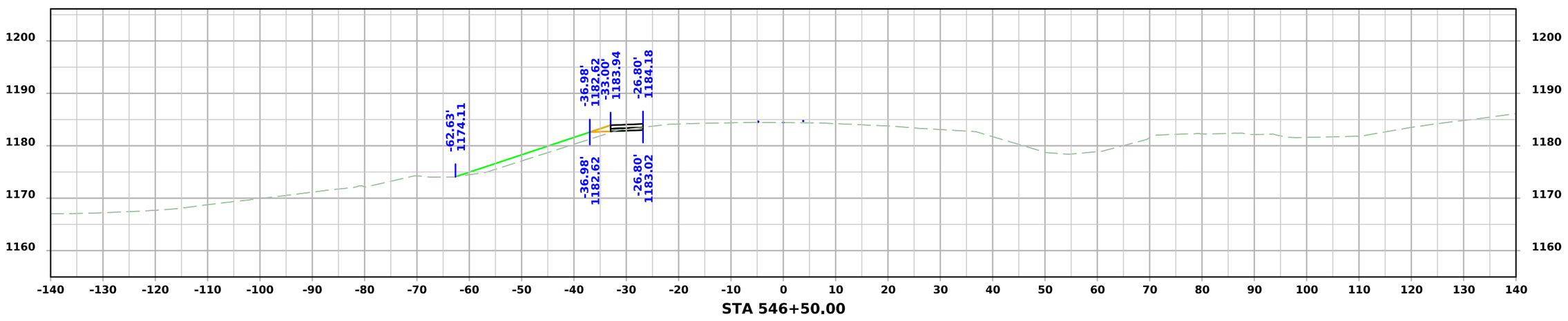
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.404

11:08:49 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z300_78059056Z06.dgn

STAGE 2A - DETML059SB_2



STA 546+75.00

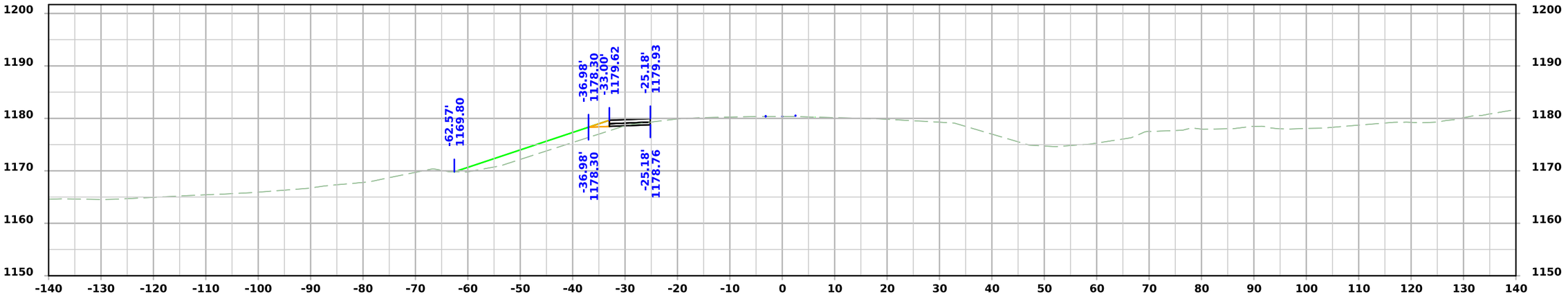


STA 546+50.00

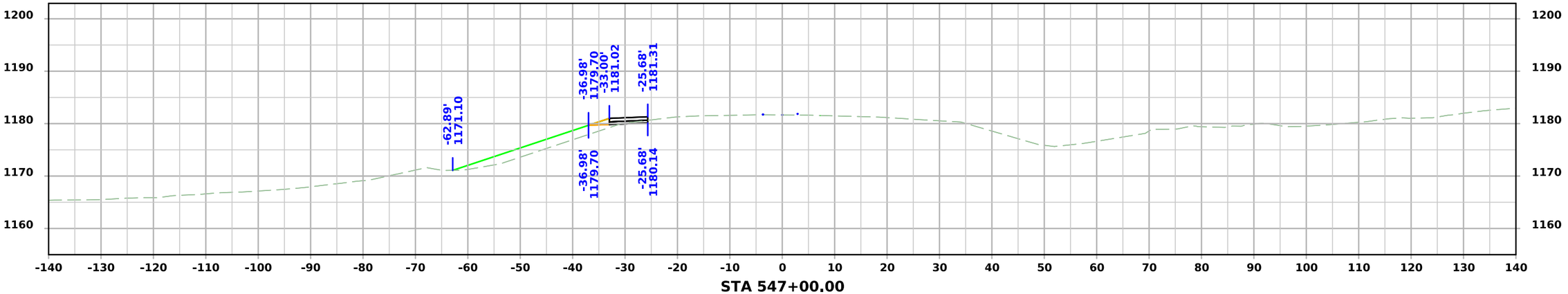
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.405	

11:08:50 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z300_78059056Z06.dgn

STAGE 2A - DETML059SB_2



STA 547+25.00

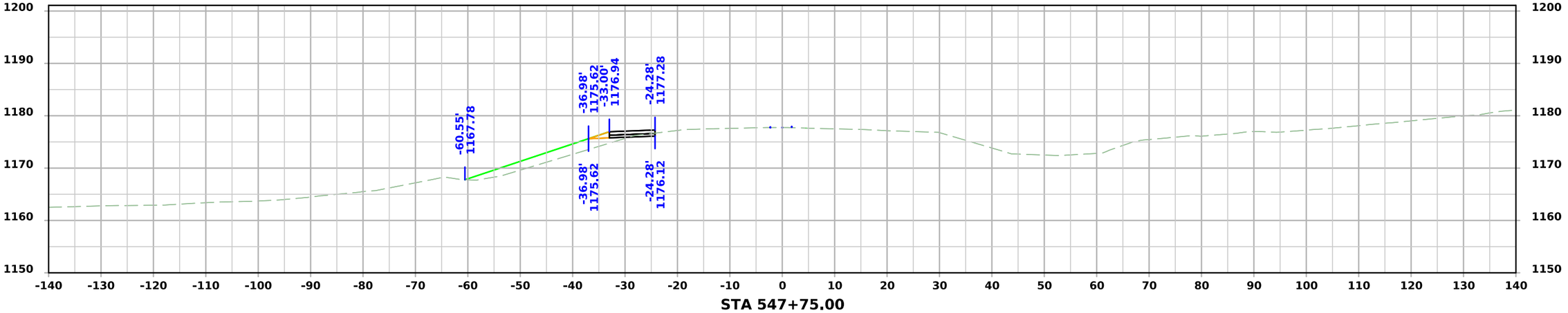


STA 547+00.00

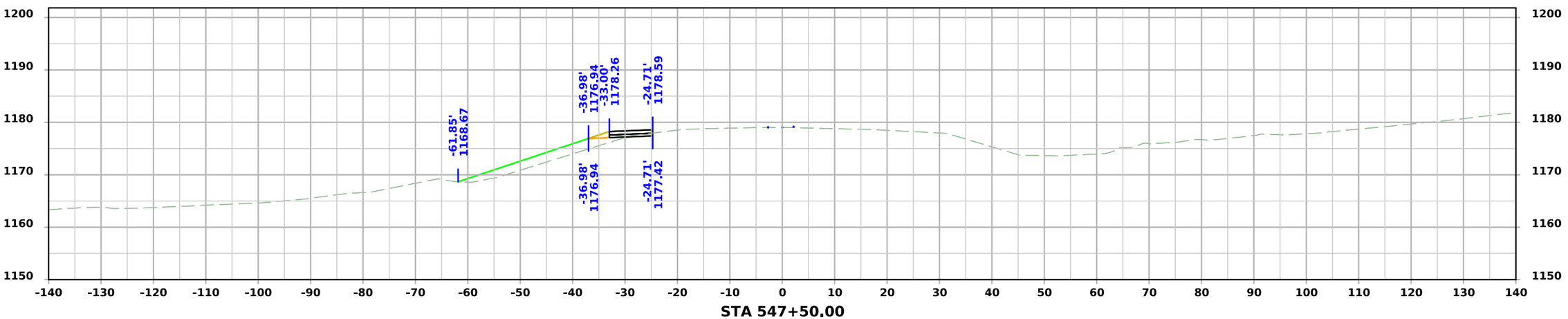
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.406

11:08:51 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z300_78059056Z06.dgn

STAGE 2A - DETML059SB_2



STA 547+75.00

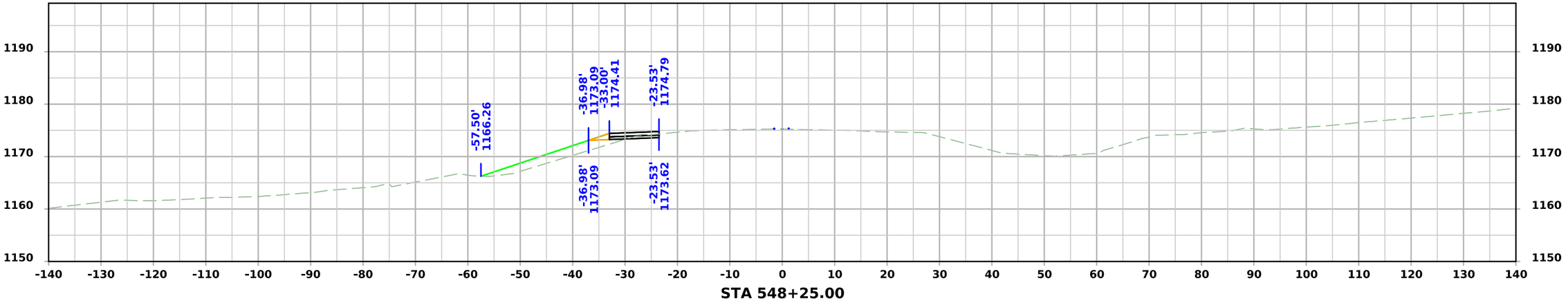


STA 547+50.00

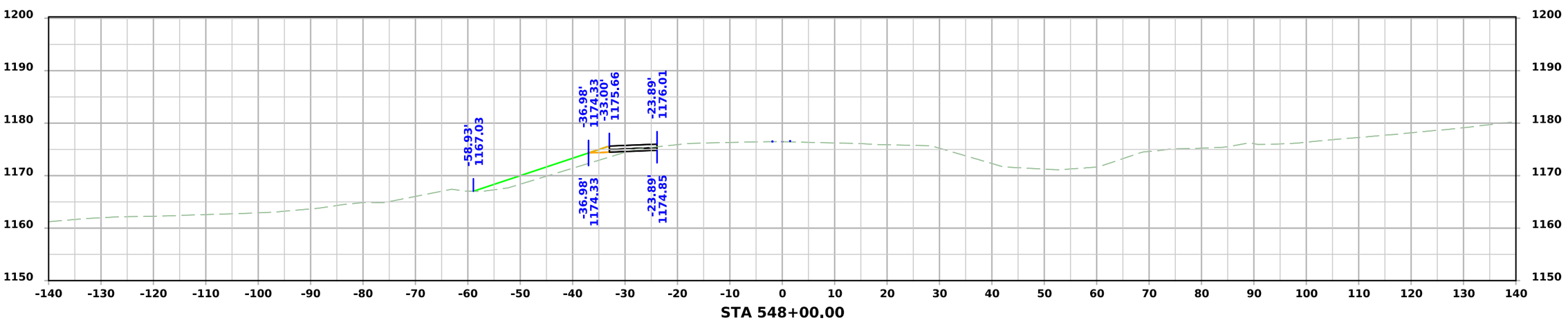
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.407

11:08:53 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z300_78059056Z06.dgn

STAGE 2A - DETML059SB_2



STA 548+25.00

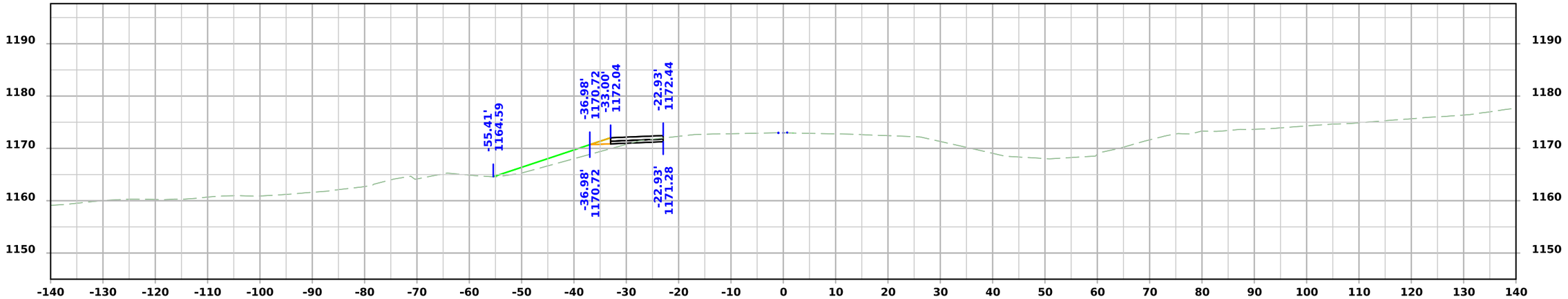


STA 548+00.00

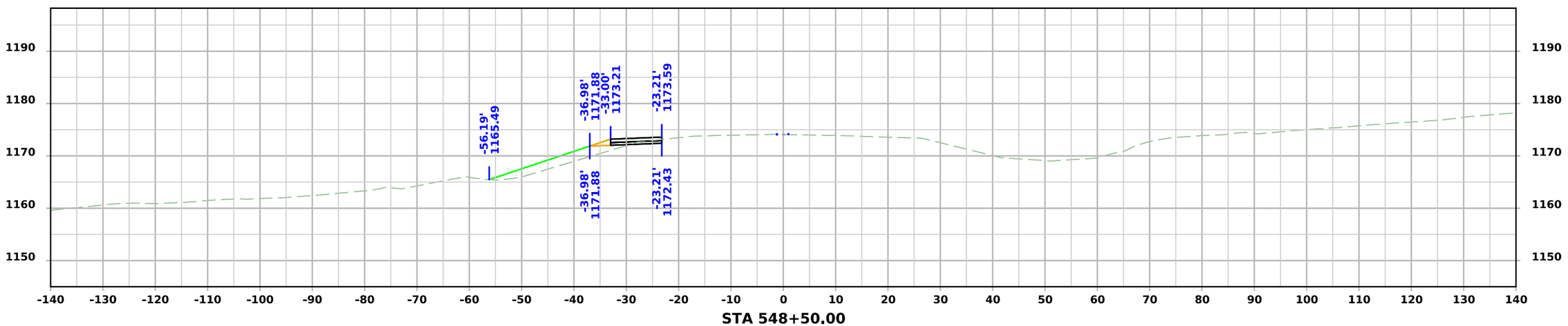
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.408	

11:08:54 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z300_78059056Z06.dgn

STAGE 2A - DETML059SB_2



STA 548+75.00

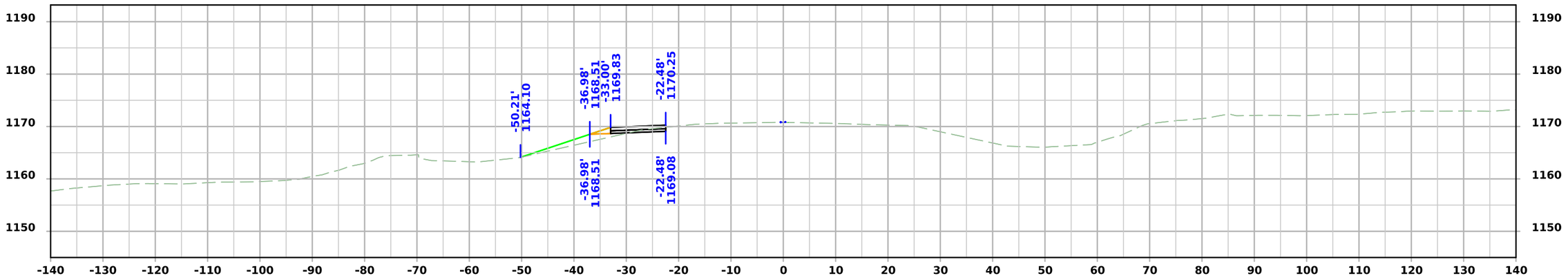


STA 548+50.00

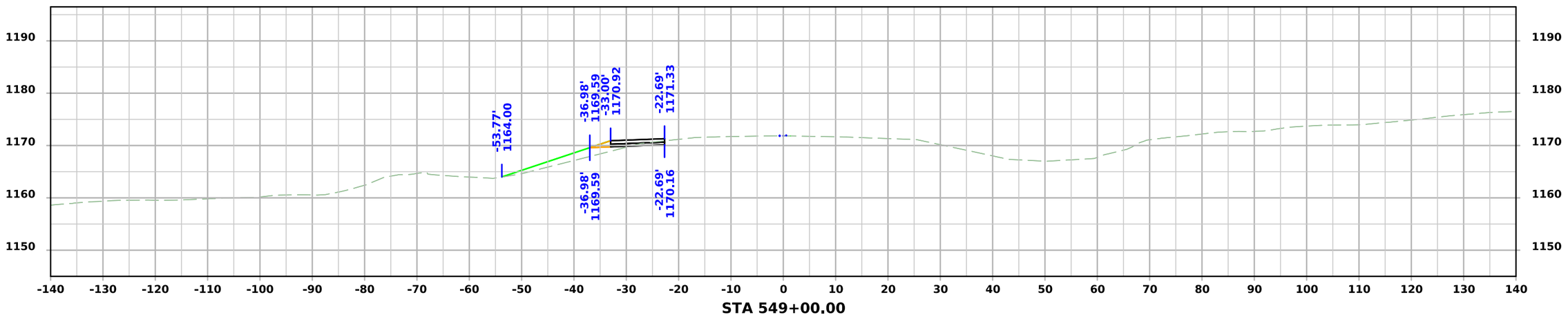
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.409	

11:08:56 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z300_78059056Z06.dgn

STAGE 2A - DETML059SB_2



STA 549+25.00

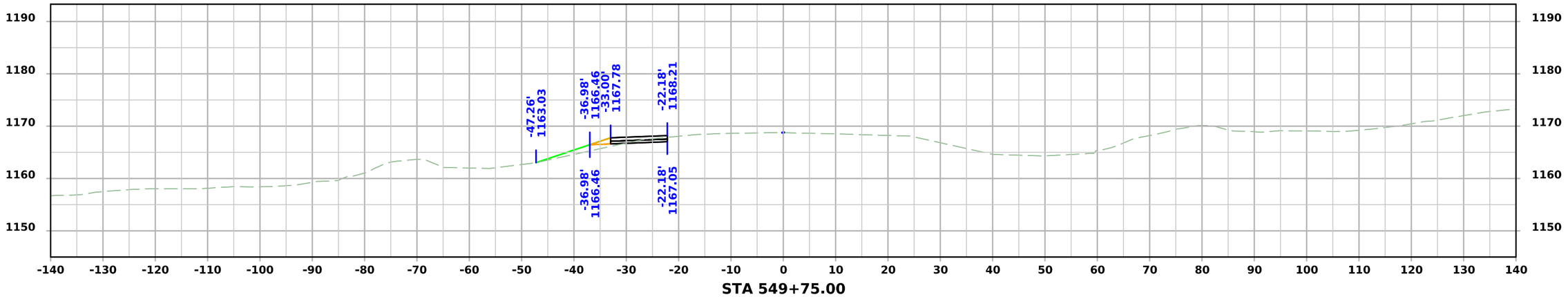


STA 549+00.00

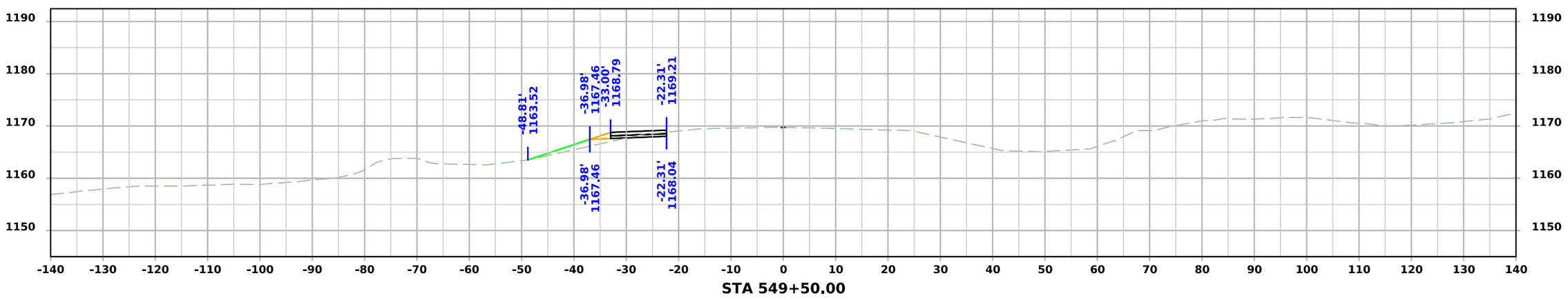
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.410

11:08:57 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z300_78059056Z06.dgn

STAGE 2A - DETML059SB_2



STA 549+75.00

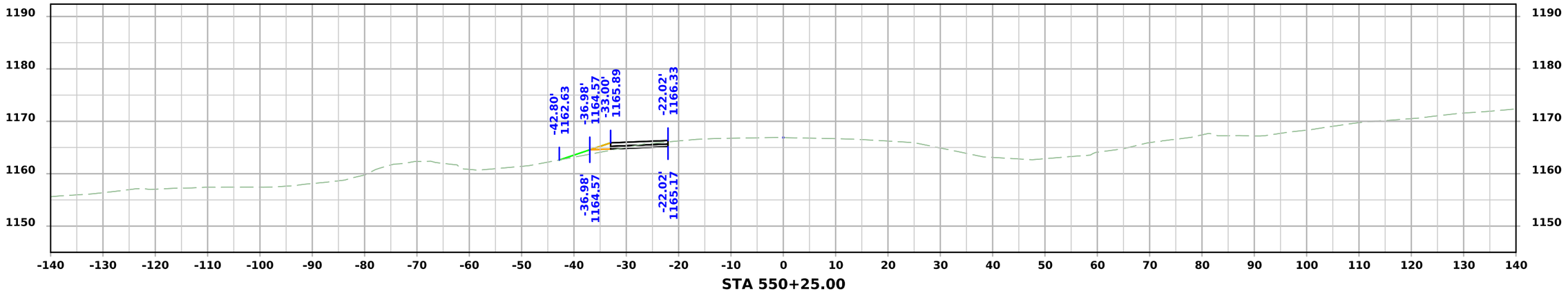


STA 549+50.00

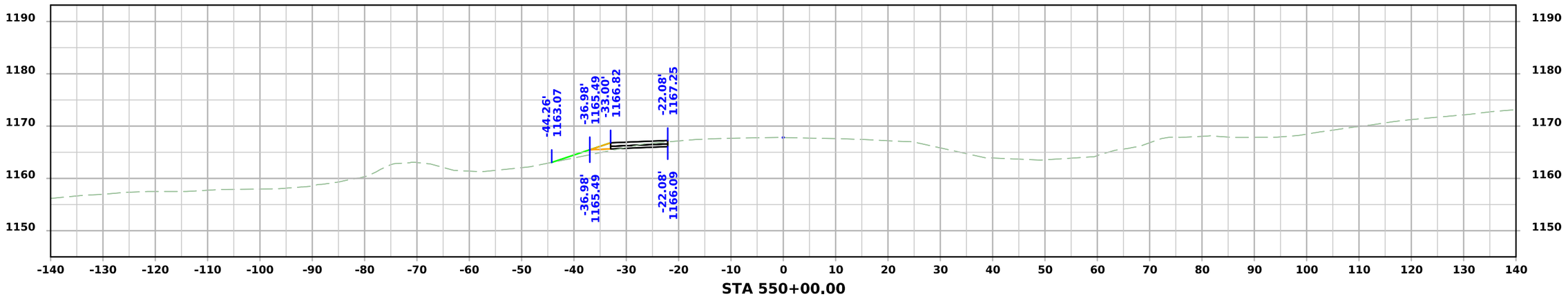
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.411

11:08:58 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z300_78059056Z06.dgn

STAGE 2A - DETML059SB_2



STA 550+25.00

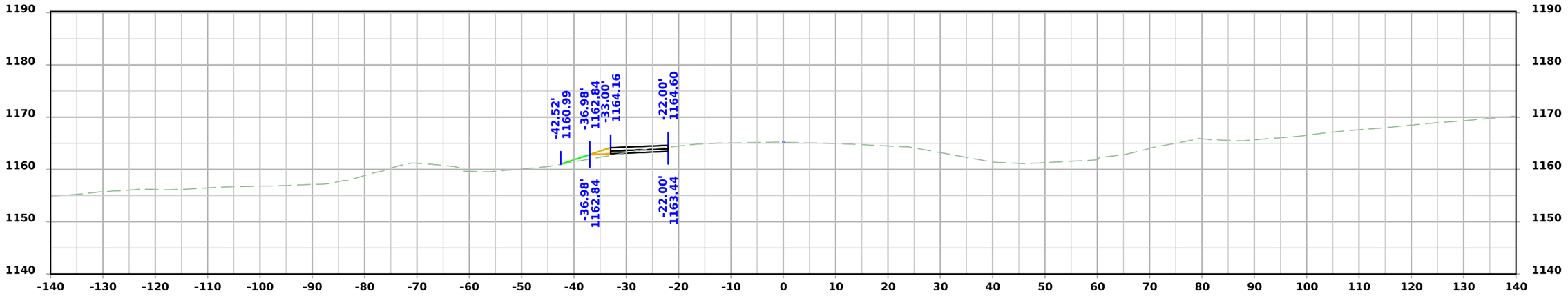


STA 550+00.00

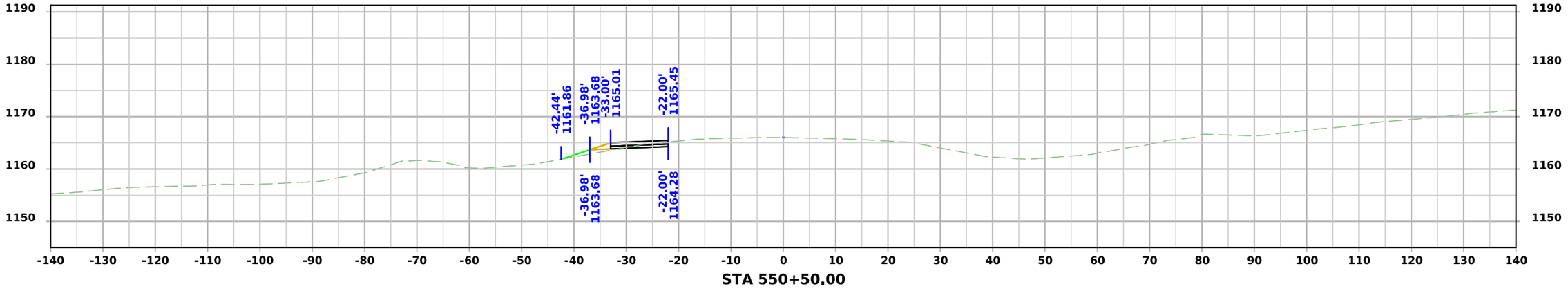
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.412

11:09:00 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z300_78059056Z06.dgn

STAGE 2A - DETML059SB_2



STA 550+75.00

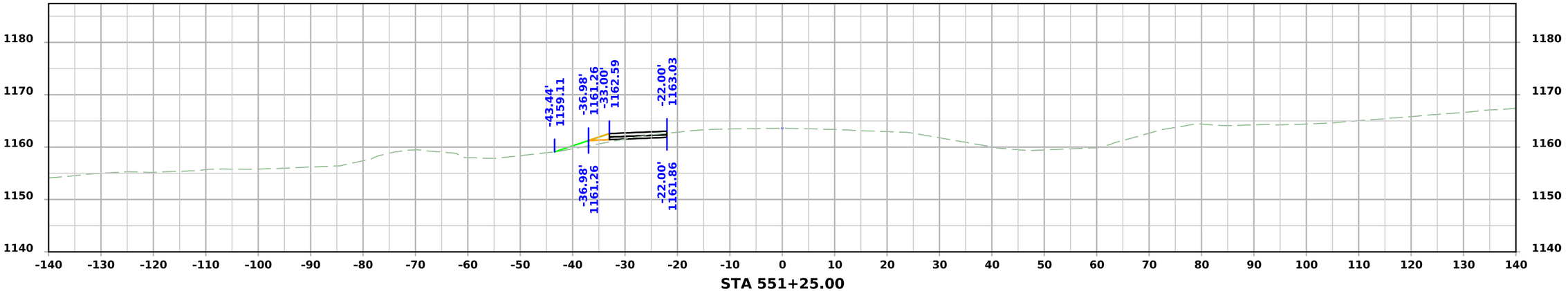


STA 550+50.00

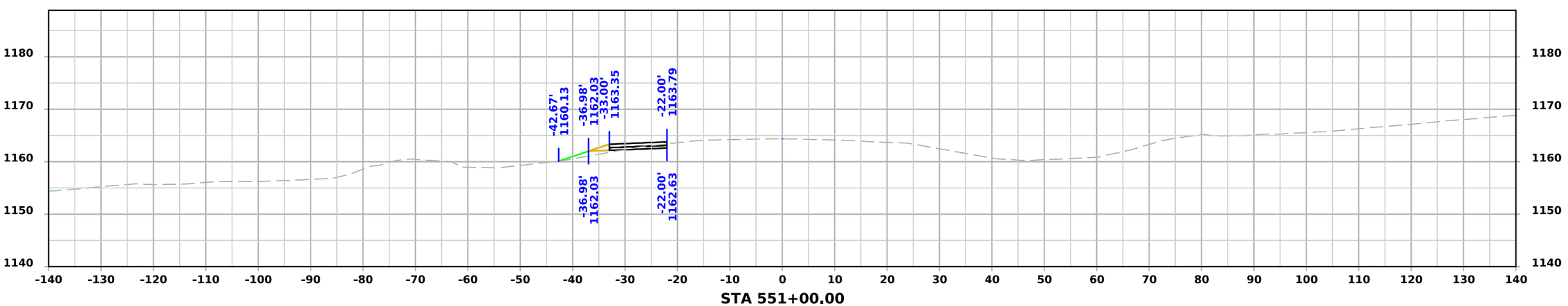
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.413

11:09:01 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z300_78059056Z06.dgn

STAGE 2A - DETML059SB_2



STA 551+25.00

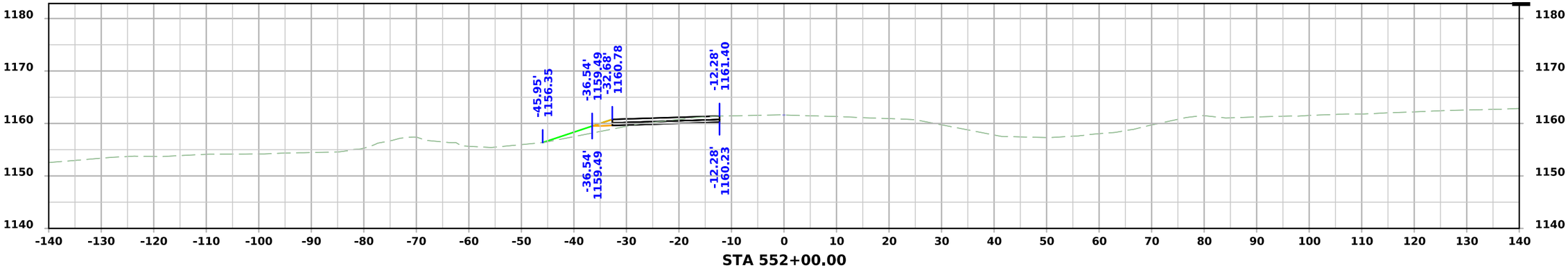


STA 551+00.00

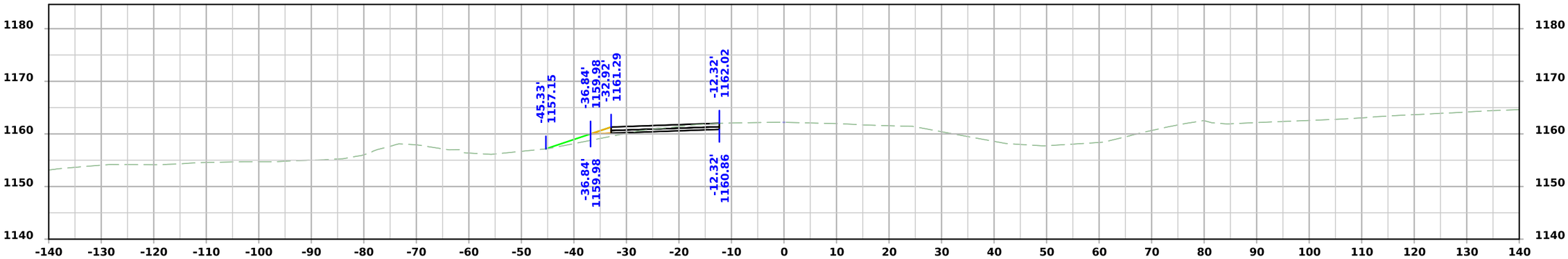
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.414	

11:09:02 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z300_78059056Z06.dgn

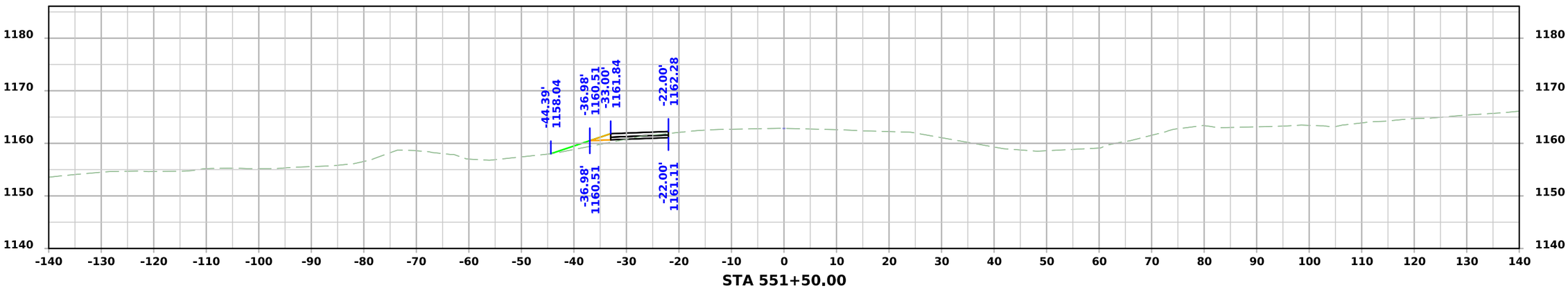
STAGE 2A - DETML059SB_2



STA 552+00.00



STA 551+75.00

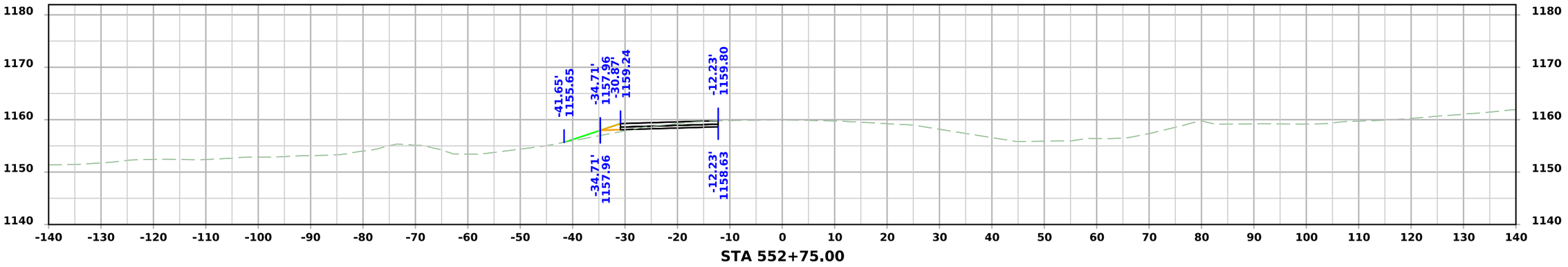


STA 551+50.00

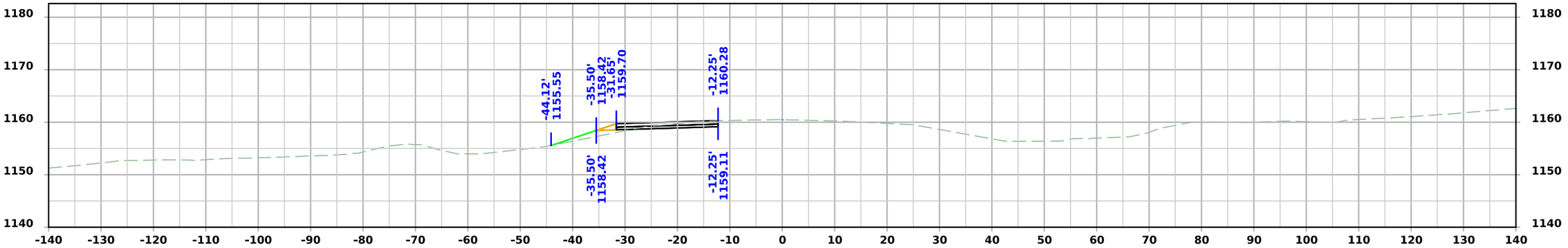
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.415

11:09:04 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z300_78059056Z06.dgn

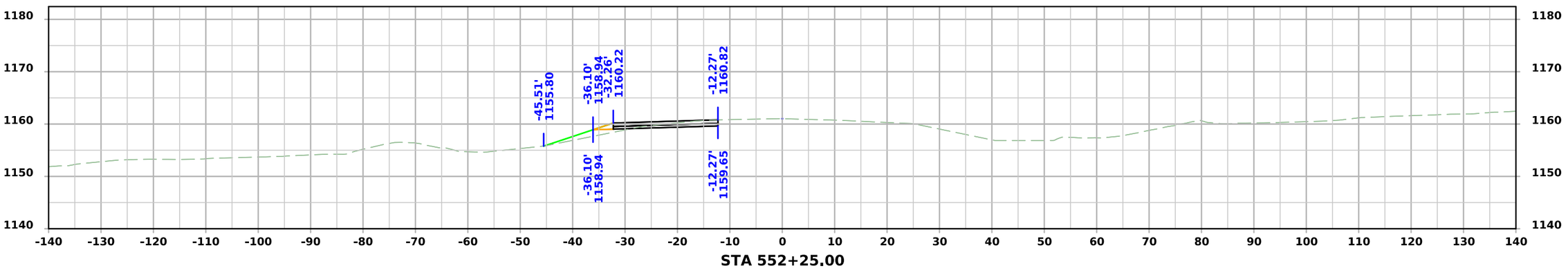
STAGE 2A - DETML059SB_2



STA 552+75.00



STA 552+50.00

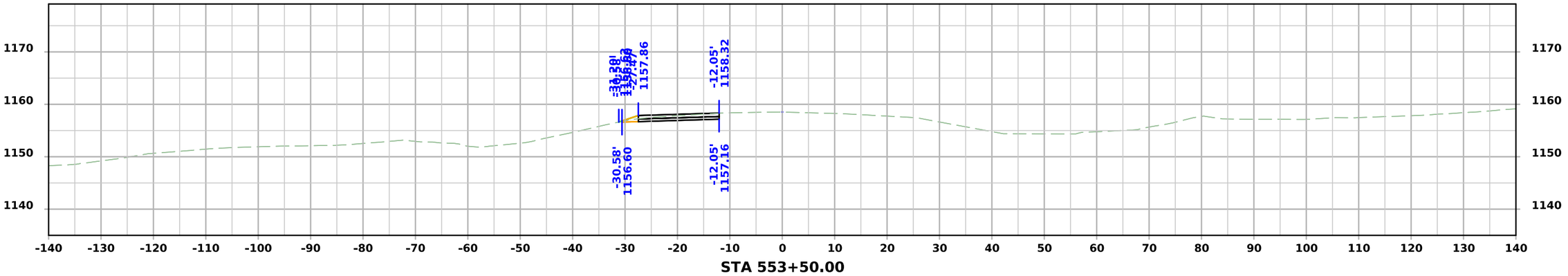


STA 552+25.00

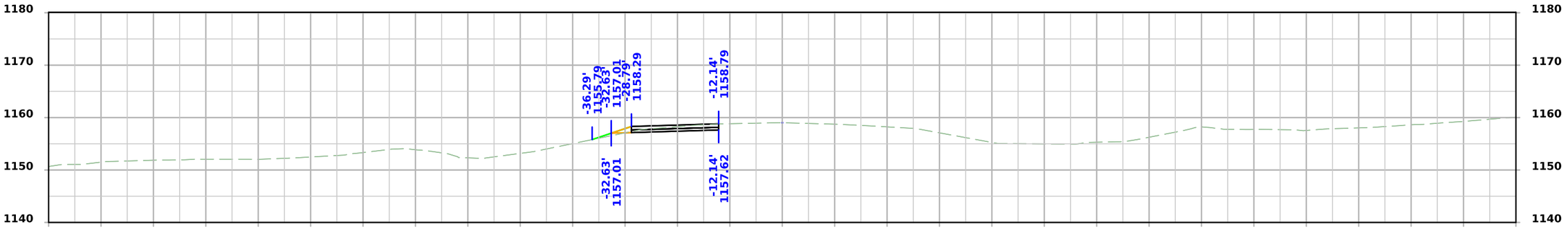
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.416	

11:09:06 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z300_78059056Z06.dgn

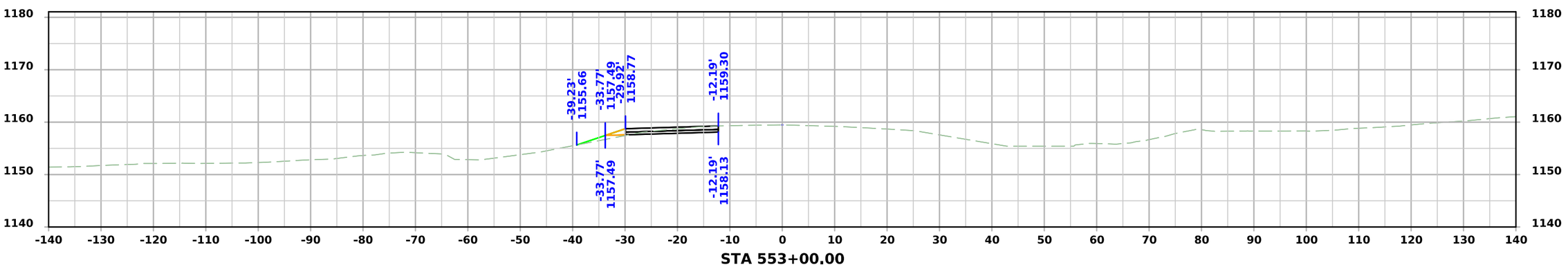
STAGE 2A - DETML059SB_2



STA 553+50.00



STA 553+25.00

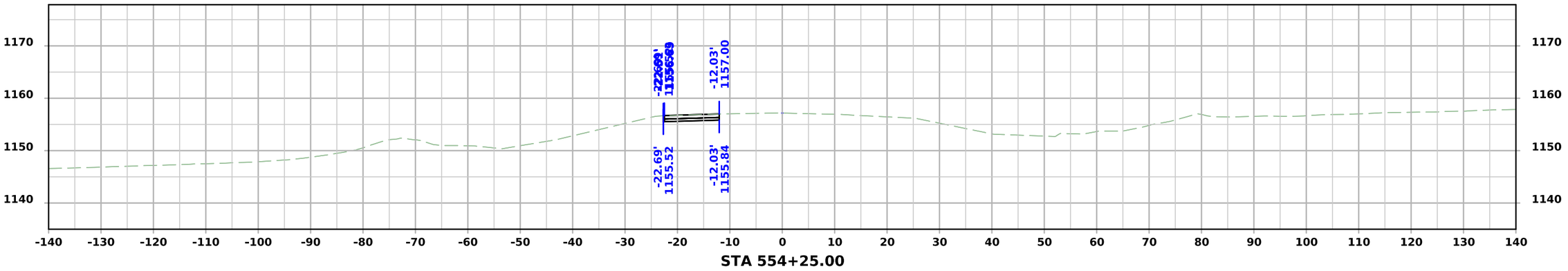


STA 553+00.00

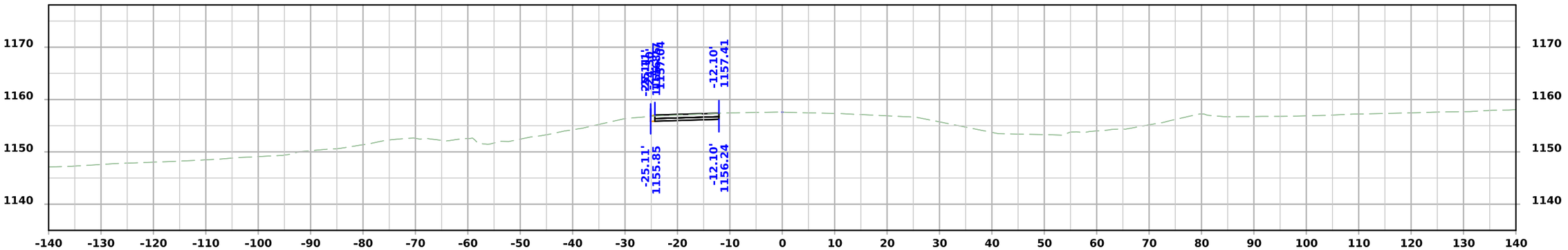
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.417	

11:09:08 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z300_78059056Z06.dgn

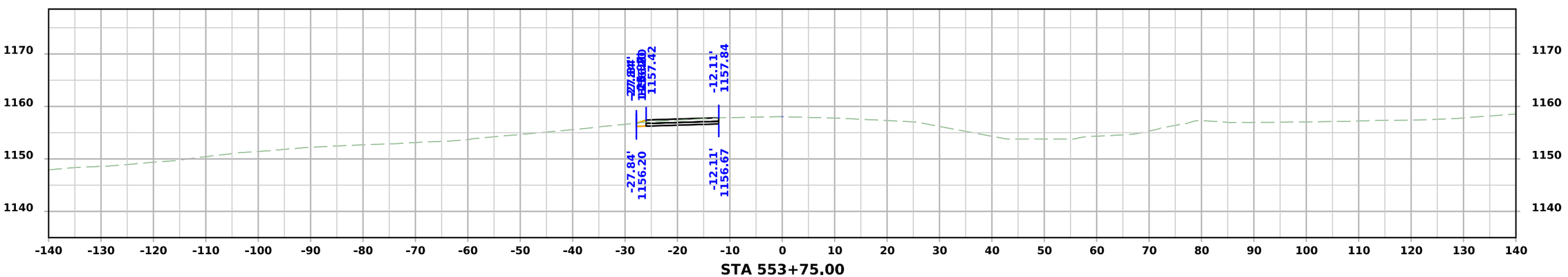
STAGE 2A - DETML059SB_2



STA 554+25.00



STA 554+00.00

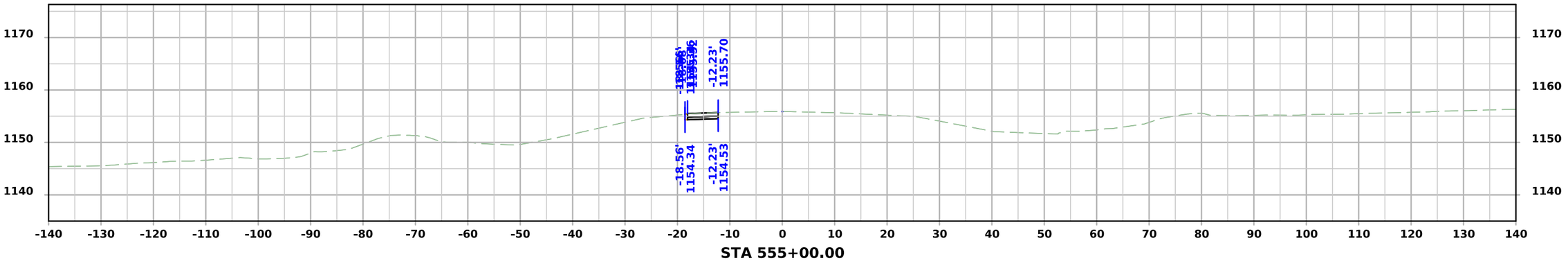


STA 553+75.00

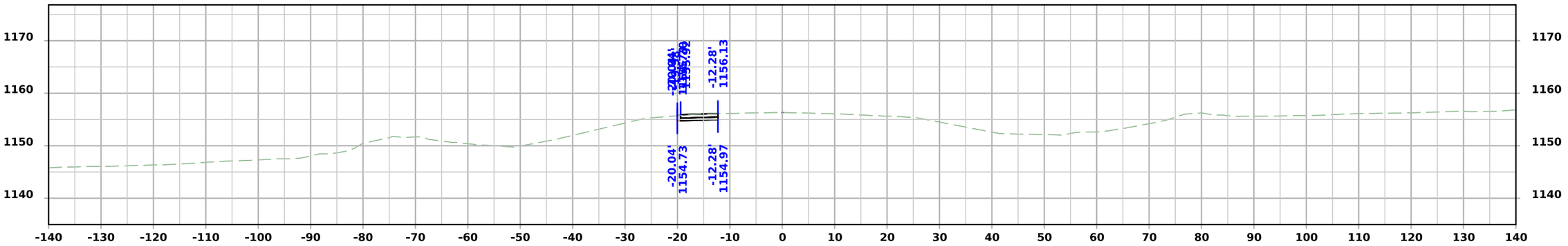
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.418

11:09:09 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z300_78059056Z06.dgn

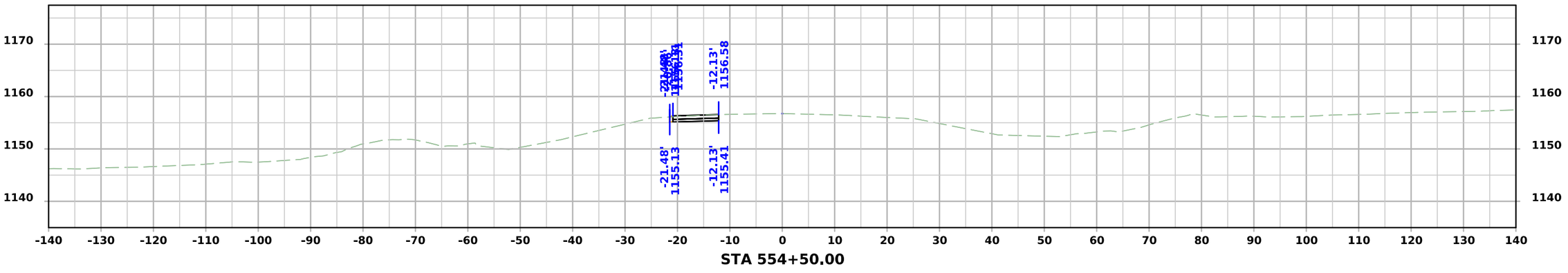
STAGE 2A - DETML059SB_2



STA 555+00.00



STA 554+75.00

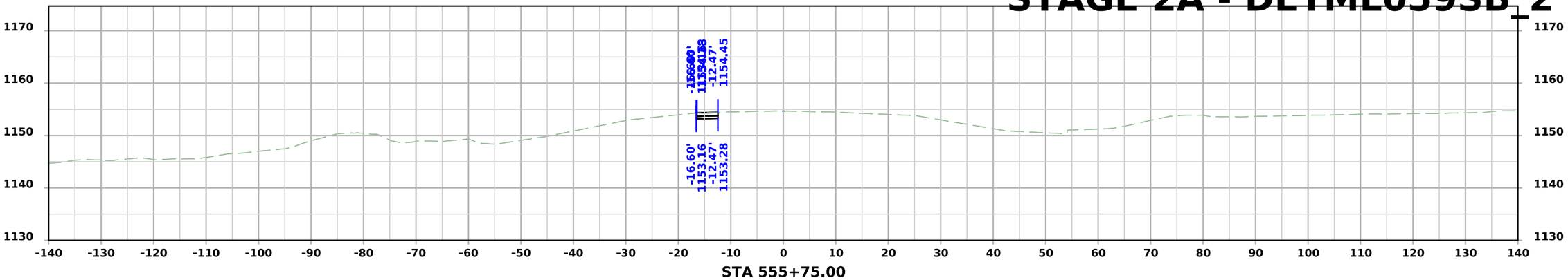


STA 554+50.00

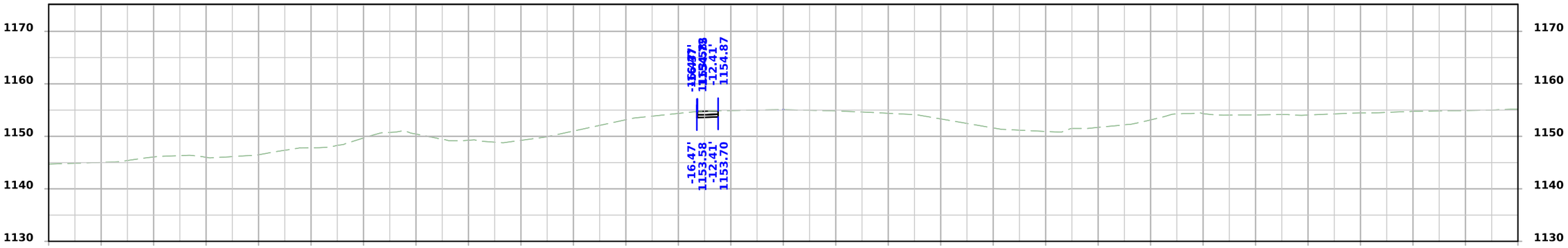
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.419

11:09:11 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z300_78059056Z06.dgn

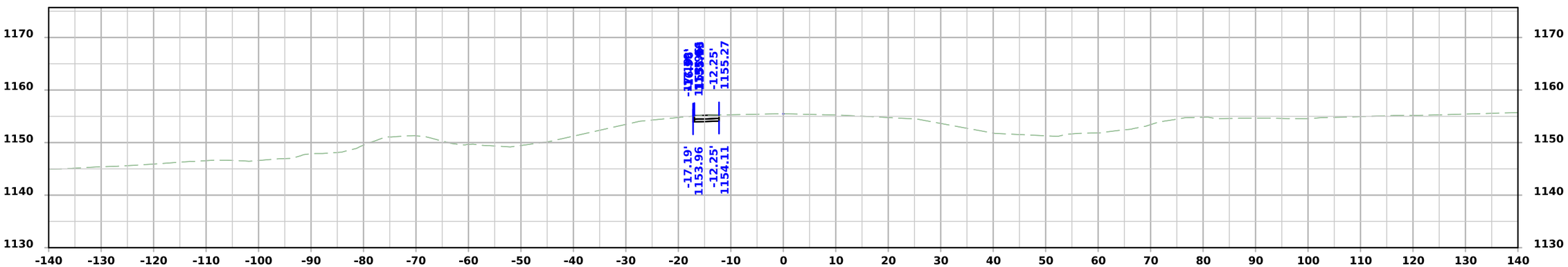
STAGE 2A - DETML059SB_2



STA 555+75.00



STA 555+50.00

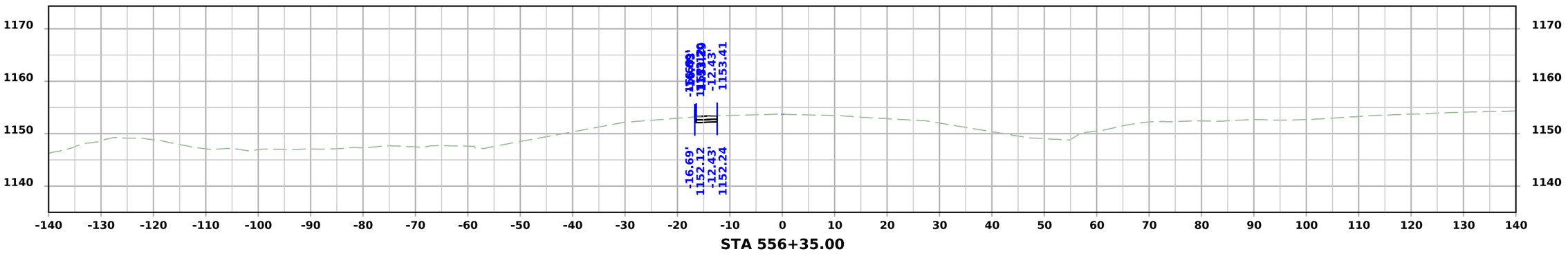


STA 555+25.00

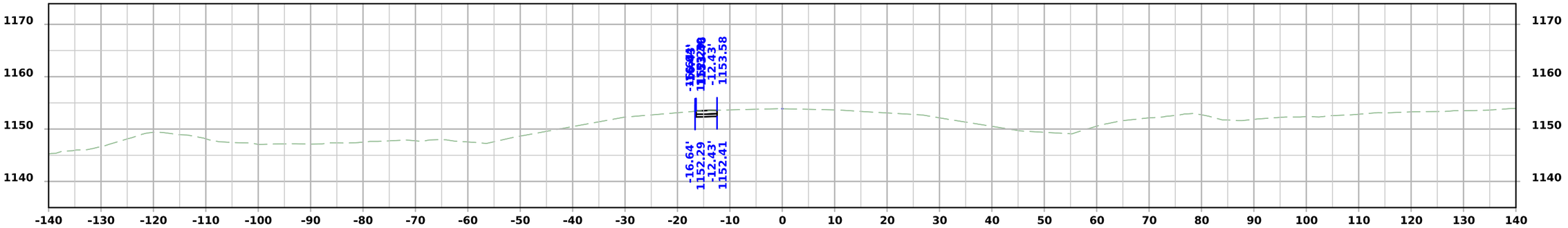
FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.420

11:09:13 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z300_78059056Z06.dgn

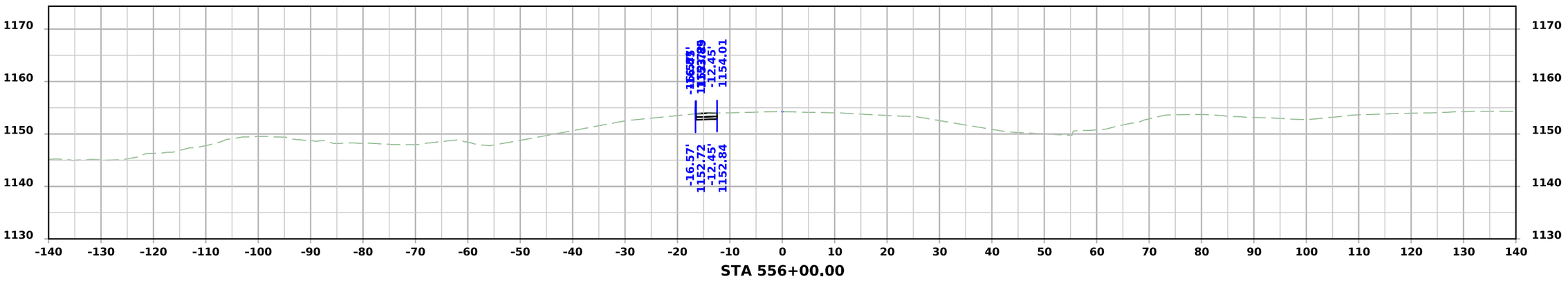
STAGE 2A - DETML059SB_2



STA 556+35.00



STA 556+25.00



STA 556+00.00

FILE NO.	ENGLISH	DESIGN TEAM Flattery\Bell\Boudreaux\Schinstock	POTTAWATTAMIE COUNTY	PROJECT NUMBER NHSX-059-3(056)--3H-78	SHEET NUMBER Z.421	

11:09:15 AM 9/10/2026 cschins pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\7805901024\Design\NHSX-059-3(56)--3H-78_UnknownPavement-GradeAndPave\CADD_Files\Cross_Sections\Z300_78059056Z06.dgn