LETTING DATE
July 16, 2024

Unknown Pavement - Grade and New
IM-380-6(434)11--13-52

Johnson \ Linn COUNTY

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D Sheets	**Mainline Plan and Profile Sheets**
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D.2 - 11	I-380
E Sheets	**Side Road Plan and Profile Sheets**
E.1 - 7	Wright Brothers Blvd
F Sheets	**Detour or Temporary Pavement Sheets**
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J Sheets	**Traffic Control and Staging Sheets**
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J.1	Staging Notes Stage
J.2	Traffic Control & Staging Legend & Symbol Info. Sheet
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Y.1 - 77	Ramp Cross Sections

IOWA DOT

PLANS OF PROPOSED IMPROVEMENT ON THE

INTERSTATE ROAD SYSTEM

Johnson \ Linn COUNTY

<--- H Sheets

Unknown Pavement - Grade and New

Johnson Co Line to S of US 30

SCALES: As Noted

Refer to the Proposal Form for list of applicable specifications.

Value Engineering Saves. Refer to Article 1105.14 of the Specifications.

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

REVISIONS

TOTAL
400
PROJECT IDENTIFICATION NUMBER
16-52-380-030-03
PROJECT NUMBER
IM-380-6(434)11--13-52
R.O.W. PROJECT NUMBER
IMN-380-6(433)12--0E-57

***** Included in this Submittal *****

City of Cedar Rapids Preliminary Plans (Page 413)

City of Cedar Rapids Traffic Control Plans (Page 469)

Utility Coordination Plans (Page 495)

DESIGN DATA RURAL			
2019	AADT	67,700	V.P.D.
2050	AADT	140,600	V.P.D.
2050	DHV	12,270	V.P.H.
TRUCKS		17	%
Total Design ESALs		--	

INDEX OF SEALS		
	X	
X	X	X

PRELIMINARY PLANS

Subject to change by final design.

U4 PLAN – Date: 10–20–2023

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER A.1

1:36:10 PM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_A01.dgn

END CONSTRUCTION
Sta. C 237+25
M.P. 16.31

FHWA No.
SB-607010
NB-607000

Station Equation
173+28.49 (AH)
173+23.53 (BK)

FHWA No.
607050

FHWA No.
600530

FHWA No.
600540

Station Equation
0+00.00 (AH)
1787+29.96 (BK)

FHWA No.
205625

Station Equation
1749+61.91 (AH)
1749+56.90 (BK)

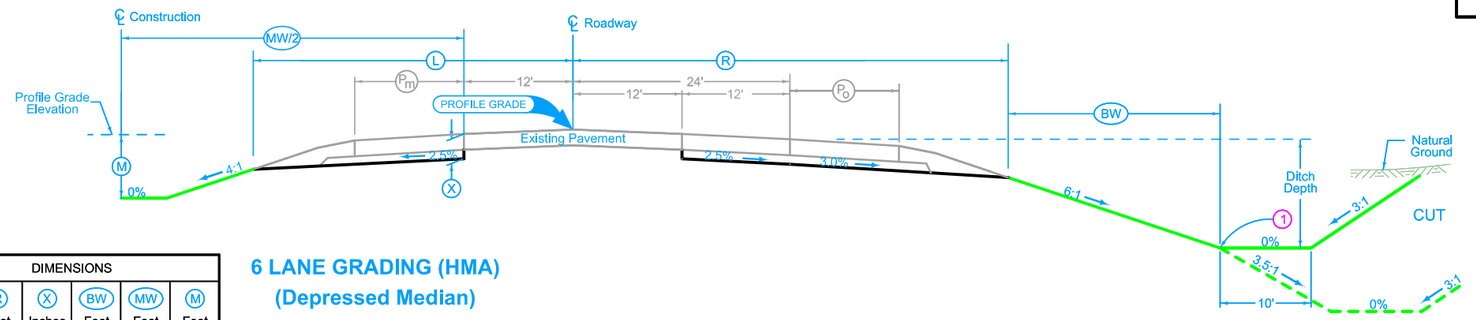
BEGIN CONSTRUCTION
Sta. 1747+00
M.P. 11.05

LOCATION MAP SCALE
0 1 2 3
Miles

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER A.2

9:10:00 AM 9/13/2022 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_A01.dgn

G_6_Grade_Depressed
MODIFIED



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

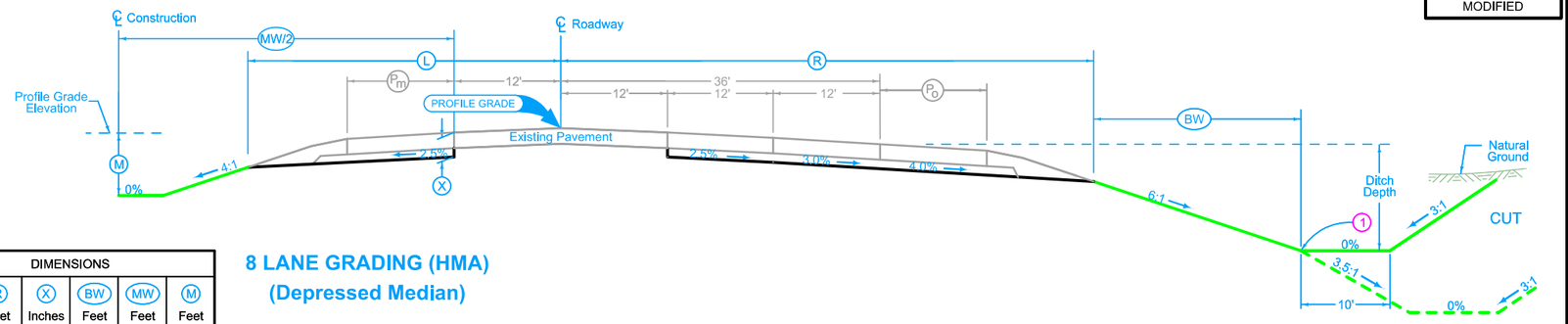
See Plan & Profiles sheets and cross sections for additional details of ditches and backslopes.

(1) Refer to project plan and cross sections for specific location of foreslope change.

LOCATION			DIMENSIONS					
ROAD IDENTIFICATION	STATION TO STATION		(L) Feet	(R) Feet	(X) Inches	(BW) Feet	(MW) Feet	(M) Feet
I-380 NB	1747+00.00	1787+28.96	41.2	53.8	26	4.2	60	3.5
I-380 NB	0+00.00	120+00.00	41.2	53.8	26	4.2	60	3.5
I-380 SB	1747+00.00	1787+28.96	41.2	53.8	26	4.2	60	3.5
I-380 SB	0+00.00	120+00.00	41.2	53.8	26	4.2	60	3.5

6 LANE GRADING (HMA)
(Depressed Median)

G_8_Grade_Depressed
MODIFIED



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

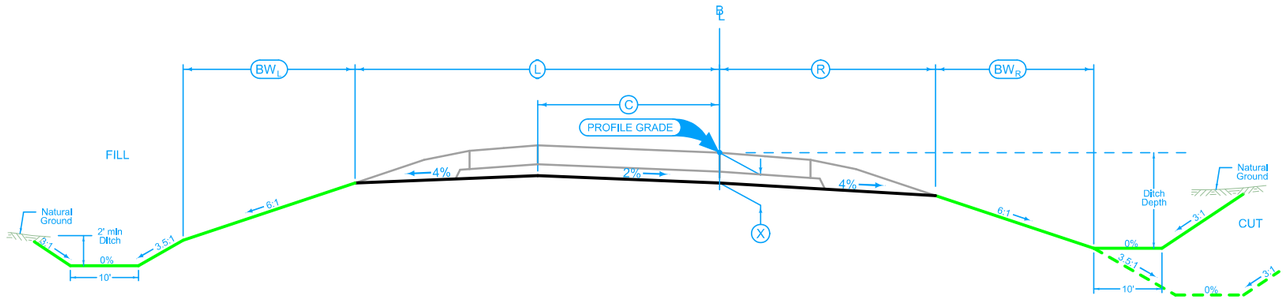
See Plan & Profiles sheets and cross sections for additional details of ditches and backslopes.

(1) Refer to project plan and cross sections for specific location of foreslope change.

LOCATION			DIMENSIONS					
ROAD IDENTIFICATION	STATION TO STATION		(L) Feet	(R) Feet	(X) Inches	(BW) Feet	(MW) Feet	(M) Feet
I-380 NB	120+00.00	229+00.00	41.2	67.2	26	4.2	60	3.5
I-380 SB	120+00.00	229+00.00	41.2	67.2	26	4.2	60	3.5

8 LANE GRADING (HMA)
(Depressed Median)

LOCATION				DIMENSIONS					
INTERCHANGE	RAMP	STATION TO STATION		(L) Feet	(R) Feet	(C) Feet	(X) Inches	(BW_L) Feet	(BW_R) Feet
120TH ST	A	5744+10.19	5751+01.06	39.2	25.2	16	26	5.4	4.9
120TH ST	D	2745+50.83	2751+02.76	39.2	25.2	16	26	5.4	4.9
REST AREA	A	1027+60.01	1032+56.06	39.2	25.2	16	26	5.4	4.9
REST AREA	B	2011+68.94	2016+10.42	39.2	25.2	16	26	5.4	4.9
REST AREA	C	3008+70.15	3013+78.96	39.2	25.2	16	26	5.4	4.9
REST AREA	D	4030+28.37	4035+31.07	39.2	25.2	16	26	5.4	4.9
WRIGHT BROS	A	1109+17.35	1120+01.60	46.9	26.9	24	22.5	7.3	6.3
WRIGHT BROS	B	2092+98.40	2102+67.63	46.9	26.9	24	22.5	7.3	6.3
WRIGHT BROS	C	3095+08.34	3103+42.03	46.9	26.9	24	22.5	7.3	6.3
WRIGHT BROS	D	4109+29.21	4117+91.66	46.9	26.9	24	22.5	7.3	6.3
US 30	B	2225+23.94	2231+51.41	39.2	25.2	16	26	5.4	4.9
US 30	C	3227+33.91	3232+45.44	39.2	25.2	16	26	5.4	4.9



RAMP GRADING

Section view is in direction of traffic.

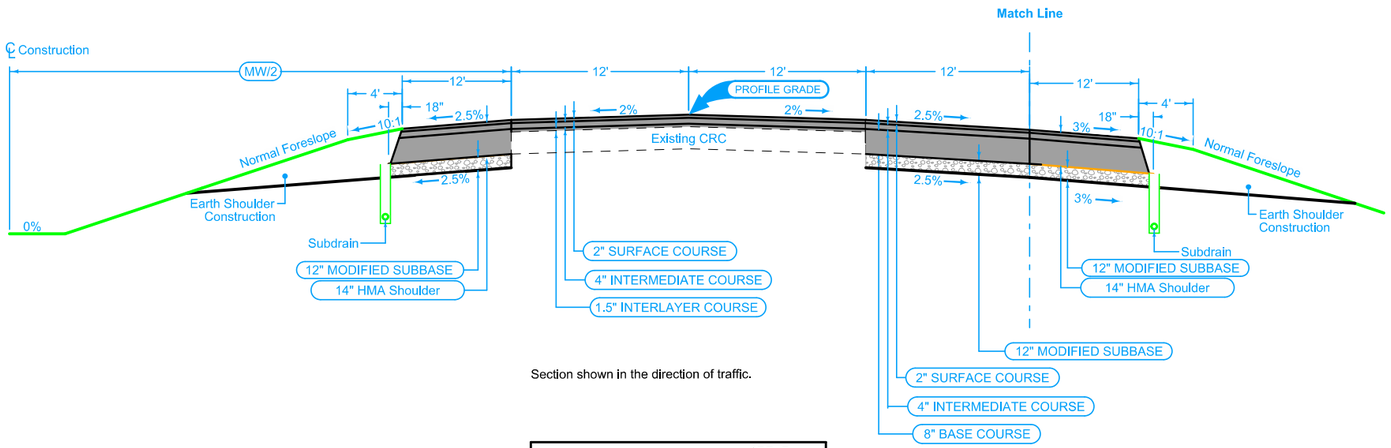
Normal sections shown may be appropriately modified for areas specifically designated by the Engineer such as intersections or superelevated curves.

G_1R_Grade
04-15-14

Full Depth HMA Shoulder

Shoulder Jointing:
Longitudinal joint: B

Direction of Travel	BEGIN STATION	END STATION
	6D_Dprs_P_FullHMA_MODIFIED	
Both	1747+00	1787+28.96
Both	0+00	229+00



Section shown in the direction of traffic.

Direction of Travel	BEGIN STATION	END STATION	(MW) Feet
	6DP_Dprs_MODIFIED		
Both	1747+00	1787+28.96	60
Both	0+00	229+00	60

Full Depth HMA Shoulder

Shoulder Jointing:
Longitudinal joint: B

Direction of Travel	BEGIN STATION	END STATION
	6D_Dprs_P_FullHMA_MODIFIED	
NB	1747+00	1751+14.85
NB	12+00	35+25.85
NB	54+50	64+00
NB	93+00	117+89.2
NB	226+00	229+00
SB	1747+00	1751+00
SB	8+66.98	32+50
SB	50+00	67+50
SB	94+60.8	120+00
SB	228+10.36	229+00

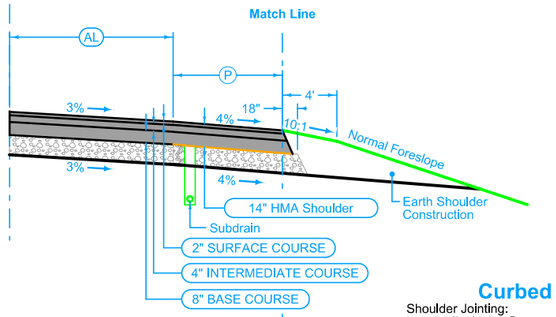
Auxiliary Lane

Longitudinal joint: B

Auxiliary Lane HMA Shoulder

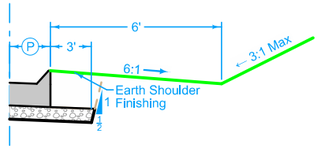
Shoulder Jointing:
Longitudinal joint: B

Direction of Travel	BEGIN STATION	END STATION	(AL) Feet	(P) Feet
	6_AuxLane_HMA_MODIFIED			6_AL_Shldr_HMA_MODIFIED
NB	1254+25	1787+28.96	12	6
NB	0+00	7+80	12	6
NB	38+36	82+00	12	6
NB	82+00	85+00	12-24	6-10
NB	85+00	89+39.2	24	10
NB	121+00	126+00	24	10
NB	126+00	132+00	24-12	10-12
NB	132+00	156+09.4	12	12
NB	156+09.4	221+79.47	12	0
SB	1755+20	1787+28.96	12	6
SB	0+00	5+56.83	12	6
SB	36+70	80+50	12	6
SB	80+50	86+50	12-24	6-10
SB	86+50	91+50	24	10
SB	123+60	128+00	24	10
SB	128+00	131+00	24-12	10-12
SB	131+00	225+00	12	12



Curbed Shoulder

Shoulder Jointing:
Longitudinal joint: B
Transverse: CD at 17' spacing



Direction of Travel	STATION TO STATION		(P) Feet	Curb Type See PV-102
	2_Curb_MODIFIED			
SB	56+01.64	59+50	7	4" Slp

See Tab 100-25 for pavement quantities.

See Tab 112-9 for shoulder quantities.

INTERSTATE 380 HMA OVERLAY AND WIDENING

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER B.3

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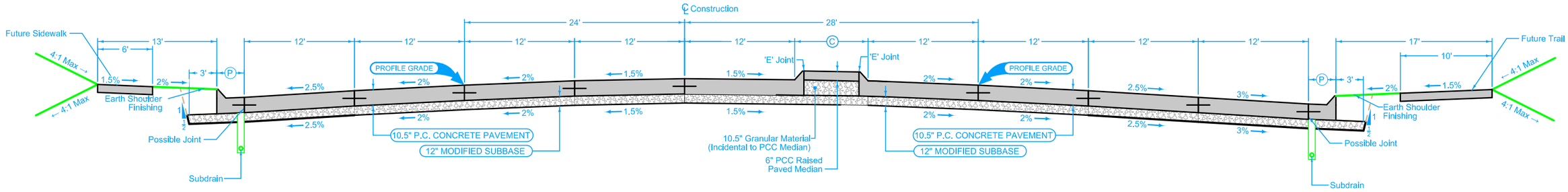

Curbed Shoulder

Shoulder Jointing:
Longitudinal joint not required when distance from back of curb to nearest joint is less than 15':

Single pour: L-2
Staged : KT-2
Transverse: C at 17' spacing

2_Curb_ 04-21-20			
STATION TO STATION		(P) Feet	Curb Type See PV-102
10+36.56	16+00.00	2.5	6" SLP

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

BEGIN STATION	END STATION	(C) Feet
10+36.56	16+00.00	Var

Curbed Shoulder

Shoulder Jointing:
Longitudinal joint not required when distance from back of curb to nearest joint is less than 15':

Single pour: L-2
Staged : KT-2
Transverse: C at 17' spacing

2_Curb_ 04-21-20			
STATION TO STATION		(P) Feet	Curb Type See PV-102
10+36.56	16+00.00	2.5	6" SLP

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

WRIGHT BROTHERS BOULEVARD PCC PAVING

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER B.4

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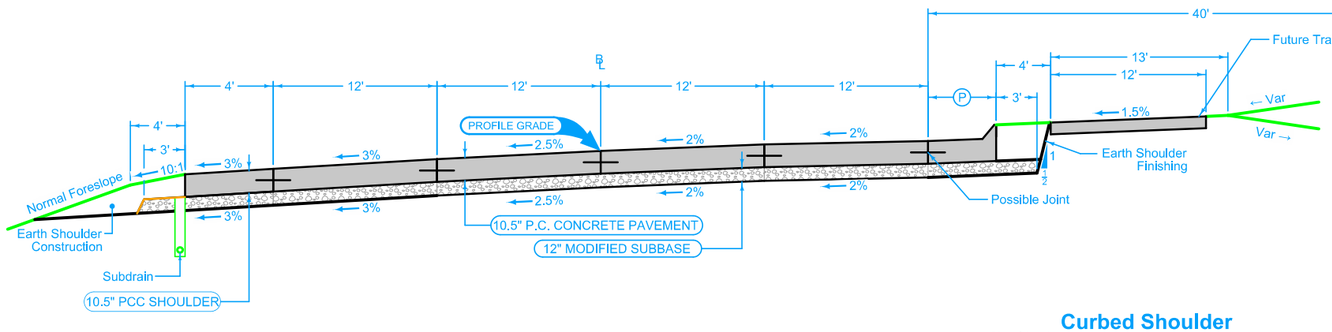


Full Depth PCC Shoulder

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

6D_Closed_P_FullPCC_ 04-20-21	
BEGIN STATION	END STATION
822+33.48	825+84.14

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

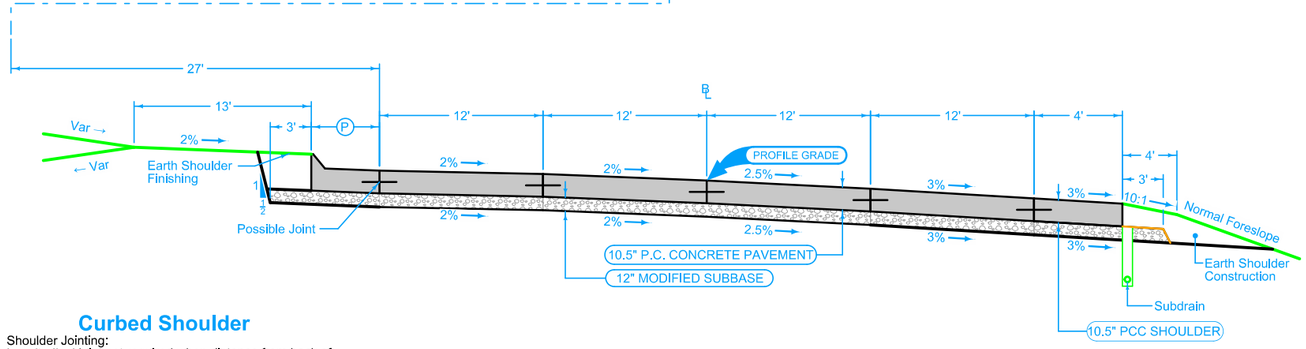
BEGIN STATION	END STATION
822+33.48	825+84.14

Curbed Shoulder

Shoulder Jointing:
Longitudinal joint not required when distance from back of curb to nearest joint is less than 15':

Single pour: L-2
Staged : KT-2
Transverse: C at 17' spacing

			2_Curb_ 04-21-20
STATION TO STATION		(P) Feet	Curb Type See PV-102
822+33.48	825+84.14	2.5	6" SLP



Curbed Shoulder

Shoulder Jointing:
Longitudinal joint not required when distance from back of curb to nearest joint is less than 15':

Single pour: L-2
Staged : KT-2
Transverse: C at 17' spacing

			2_Curb_ 04-21-20
STATION TO STATION		(P) Feet	Curb Type See PV-102
922+34.26	925+80.91	2.5	6" SLP

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

BEGIN STATION	END STATION
922+34.26	925+80.91

Full Depth PCC Shoulder

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

6D_Closed_P_FullPCC_ 04-20-21	
BEGIN STATION	END STATION
922+34.26	925+80.91

See Tab 100-24 for pavement quantities.

See Tab 112-9 for shoulder quantities.

WRIGHT BROTHERS BOULEVARD PCC PAVING

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER B.5

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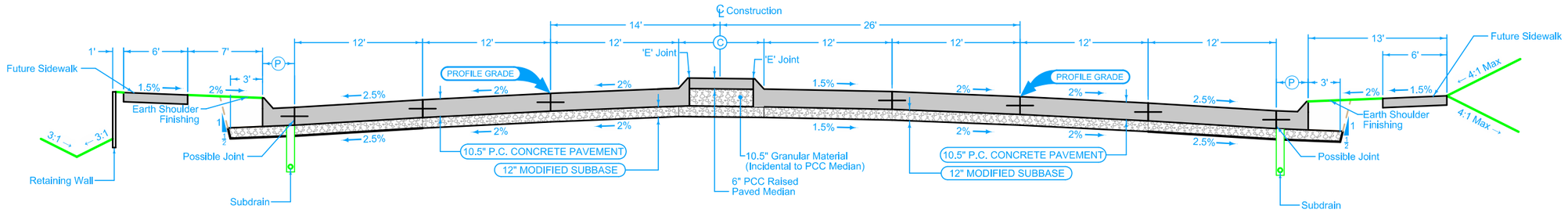


Concrete Barrier Shoulder

Shoulder Jointing:
Longitudinal joint not required when distance from back of curb to nearest joint is less than 15':

Single pour: L-2
Staged : KT-2
Transverse: C at 17' spacing

			2_Curb_ 04-21-20
STATION TO STATION		(P) Feet	Barrier Size
32+50.00	36+08.81	3.083	34"

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

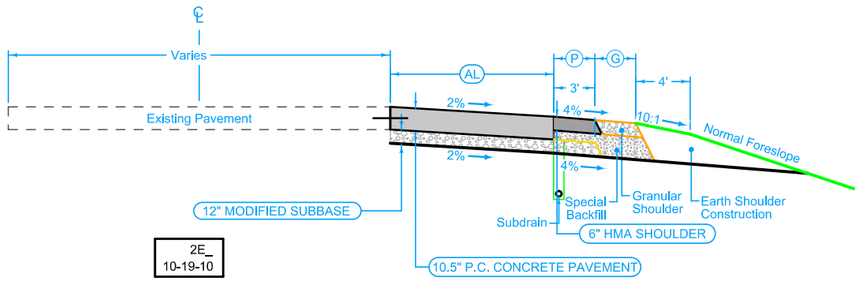
BEGIN STATION	END STATION	(C) Feet
32+50.00	36+08.81	4

Curbed Shoulder

Shoulder Jointing:
Longitudinal joint not required when distance from back of curb to nearest joint is less than 15':

Single pour: L-2
Staged : KT-2
Transverse: C at 17' spacing

			2_Curb_ 04-21-20
STATION TO STATION		(P) Feet	Curb Type See PV-102
32+50.00	36+08.81	2.5	6" SLP



Auxiliary Lane

Longitudinal joint: L or KT
Transverse joint: Match Mainline

		2_AuxLane_PCC_ 10-18-16		
STATION TO STATION		(AL) Feet	(P) Feet	(G) Feet
36+08.81	39+05.98	12	4	6
39+05.98	42+05.98	12-0	4	6

Auxiliary Lane Combination Shoulder

Shoulder Jointing:
Longitudinal joint: B

2_AL_Shldr_C_ 04-21-20		
(P) Feet	(G) Feet	

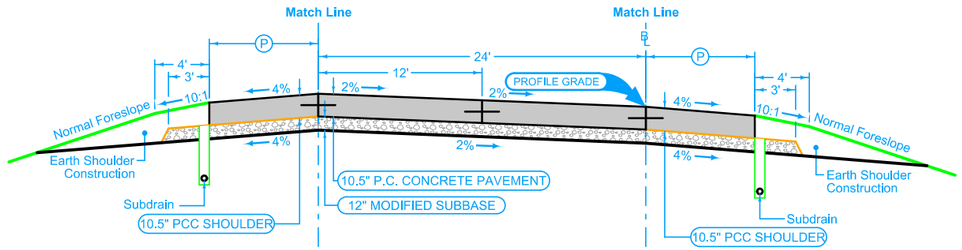
See Tab 100-24 for pavement quantities.
See Tab 112-9 for shoulder quantities.

WRIGHT BROTHERS BOULEVARD PCC PAVING

Full Depth PCC Shoulder

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

2_P_FullPCC_ 04-20-21		
STATION TO STATION		(P) Feet
1113+70.00	1120+01.60	6



Section shown in the direction of traffic.

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

2RP_ 04-20-21	
BEGIN STATION	END STATION
1109+78.54	1120+01.60

Full Depth PCC Shoulder

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

2_P_FullPCC_ 04-20-21		
STATION TO STATION		(P) Feet
1113+70.00	1120+01.60	10

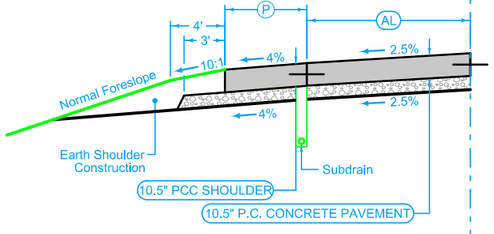
Auxiliary Lane

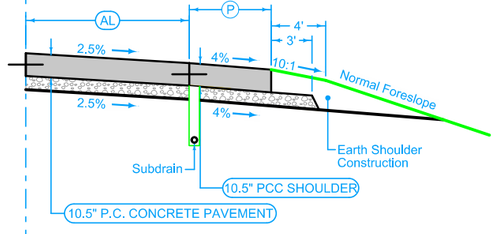
Longitudinal joint: L-2 or KT-2
Transverse joint: Match Mainline

Auxiliary Lane
Full Depth Shoulder

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

2_AuxLane_PCC_ 10-18-16			2_AL_Shldr_FullPCC_ 04-21-20
STATION TO STATION		(AL) Feet	(P) Feet
1109+78.54	1112+50.00	12	6
1112+50.00	1113+70.00	12-0	6





Auxiliary Lane

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

Auxiliary Lane
Full Depth Shoulder

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

2_AuxLane_PCC_ 10-18-16			2_AL_Shldr_FullPCC_ 04-21-20
STATION TO STATION		(AL) Feet	(P) Feet
1109+78.54	1112+50.00	12	10
1112+50.00	1113+70.00	12-0	10

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

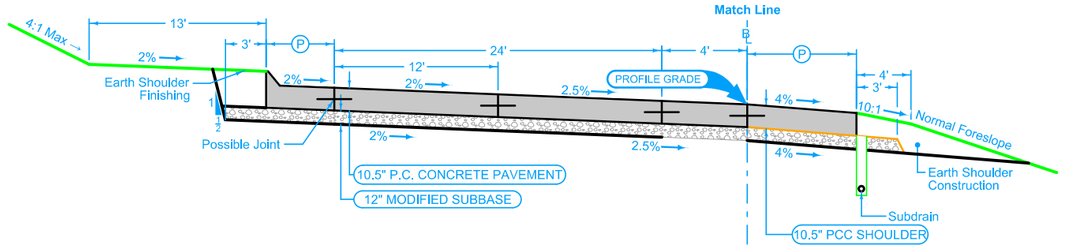
WRIGHT BROTHER BOULEVARD RAMP A PCC PAVING

Curbed Shoulder

Shoulder jointing:
Longitudinal joint not required when distance from back of curb to nearest joint is less than 16':

Transverse: C at 17' spacing
Single pour: L-2
Staged : KT-2

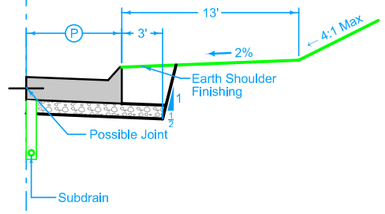
			1R_Curb_ 04-21-20
BEGIN STATION	END STATION	(P) Feet	Curb Type See PV-102
1+00.00	4+53.80	6.5	6" SLP



Section shown in the direction of traffic.

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

	2RP_ 04-20-21
BEGIN STATION	END STATION
1+00.00	4+53.80



Full Depth PCC Shoulder

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

		2_P_FullPCC_ 04-20-21
STATION TO STATION		(P) Feet
2+55.24	4+53.80	10

Curbed Shoulder

Shoulder jointing:
Longitudinal joint not required when distance from back of curb to nearest joint is less than 16':

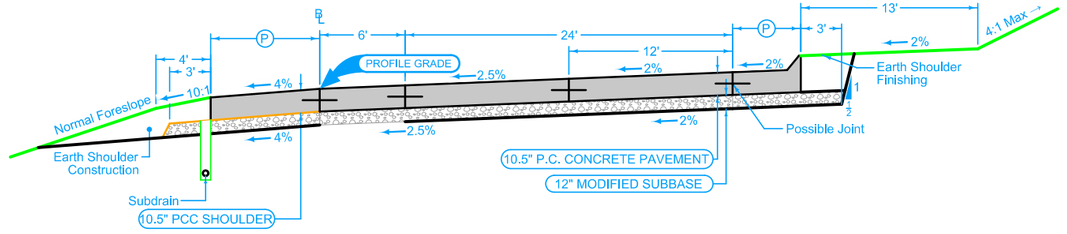
Transverse: C at 17' spacing
Single pour: L-2
Staged : KT-2

			1R_Curb_ 04-21-20
BEGIN STATION	END STATION	(P) Feet	Curb Type See PV-102
1+00.00	2+55.24	2.5	6" SLP

Full Depth PCC Shoulder

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

		2_P_FullPCC_ 04-20-21
STATION TO STATION		(P) Feet
1+00.00	4+26.47	6



Section shown in the direction of traffic.

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

	2RP_ 04-20-21
BEGIN STATION	END STATION
1+00.00	4+26.47

Curbed Shoulder

Shoulder jointing:
Longitudinal joint not required when distance from back of curb to nearest joint is less than 16':

Transverse: C at 17' spacing
Single pour: L-2
Staged : KT-2

			1R_Curb_ 04-21-20
BEGIN STATION	END STATION	(P) Feet	Curb Type See PV-102
1+00.00	4+26.47	8.5	6" SLP

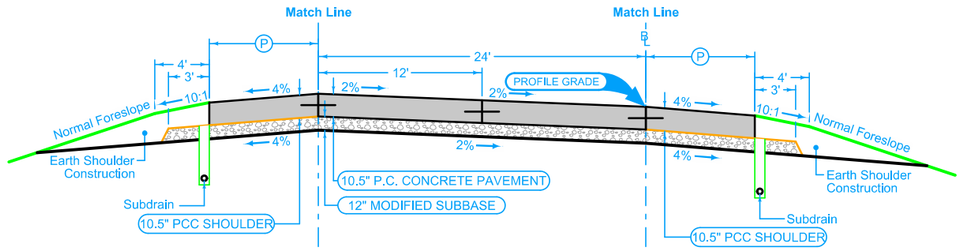
See Tab 100-24 for pavement quantities.
See Tab 112-9 for shoulder quantities.

WRIGHT BROTHER BOULEVARD RAMP A PCC PAVING

Full Depth PCC Shoulder

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

2_P_FullPCC_ 04-20-21		
STATION TO STATION		(P) Feet
2092+98.40	2099+50.00	6



Section shown in the direction of traffic.

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

2RP_ 04-20-21	
BEGIN STATION	END STATION
2092+98.40	2102+67.63

Full Depth PCC Shoulder

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

2_P_FullPCC_ 04-20-21		
STATION TO STATION		(P) Feet
2092+98.40	2099+50.00	10

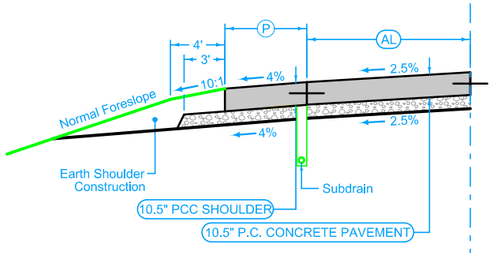
Auxiliary Lane

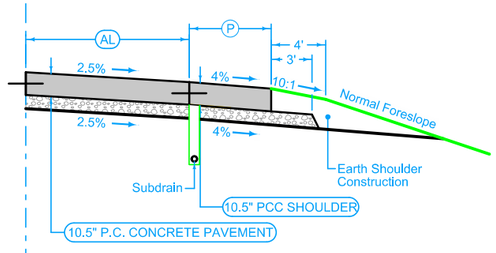
Longitudinal joint: L-2 or KT-2
Transverse joint: Match Mainline

Full Depth Shoulder

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

2_AuxLane_PCC_ 10-18-16			2_AL_Shldr_FullPCC_ 04-21-20
STATION TO STATION		(AL) Feet	(P) Feet
2099+50.00	2100+70.00	0-12	6
2100+70.00	2102+67.63	12	6





Auxiliary Lane

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

Full Depth Shoulder

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

2_AuxLane_PCC_ 10-18-16			2_AL_Shldr_FullPCC_ 04-21-20
STATION TO STATION		(AL) Feet	(P) Feet
2099+50.00	2100+70.00	0-12	10
2100+70.00	2102+67.63	12	10

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

WRIGHT BROTHER BOULEVARD RAMP B PCC PAVING

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER B.9

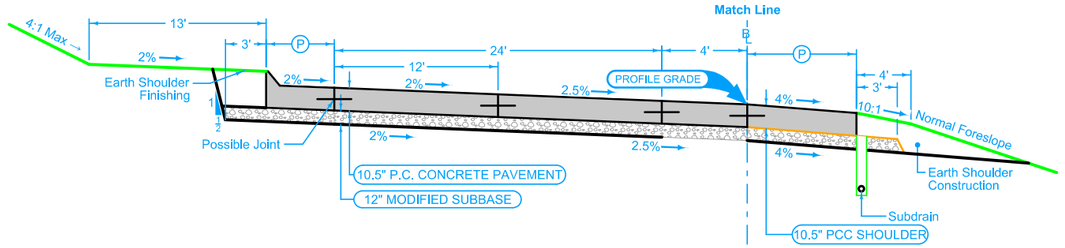
2:52:13 PM 7/28/2022 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_B01.dgn

Curbed Shoulder

Shoulder jointing:
Longitudinal joint not required when distance from back of curb to nearest joint is less than 16':

Transverse: C at 17' spacing
Single pour: L-2
Staged : KT-2

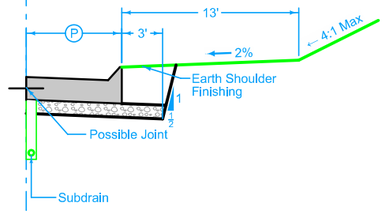
1R_Curb_ 04-21-20			
BEGIN STATION	END STATION	(P) Feet	Curb Type See PV-102
1+00.00	4+51.43	6.5	6" SLP



Section shown in the direction of traffic.

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

2RP_ 04-20-21	
BEGIN STATION	END STATION
1+00.00	4+51.43



Full Depth PCC Shoulder

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

2_P_FullPCC_ 04-20-21		
STATION TO STATION		(P) Feet
1+00.00	3+09.20	10

Curbed Shoulder

Shoulder jointing:
Longitudinal joint not required when distance from back of curb to nearest joint is less than 16':

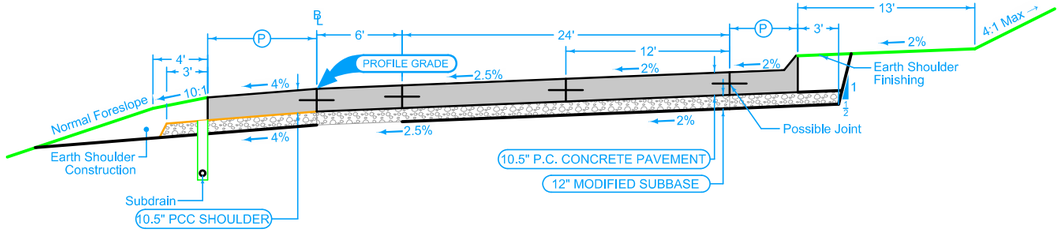
Transverse: C at 17' spacing
Single pour: L-2
Staged : KT-2

1R_Curb_ 04-21-20			
BEGIN STATION	END STATION	(P) Feet	Curb Type See PV-102
3+09.20	4+51.43	2.5	6" SLP

Full Depth PCC Shoulder

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

2_P_FullPCC_ 04-20-21		
STATION TO STATION		(P) Feet
		10



Section shown in the direction of traffic.

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

2RP_ 04-20-21	
BEGIN STATION	END STATION
1+00.00	4+28.76

Curbed Shoulder

Shoulder jointing:
Longitudinal joint not required when distance from back of curb to nearest joint is less than 16':

Transverse: C at 17' spacing
Single pour: L-2
Staged : KT-2

1R_Curb_ 04-21-20			
BEGIN STATION	END STATION	(P) Feet	Curb Type See PV-102
1+00.00	4+28.76	8.5	6" SLP

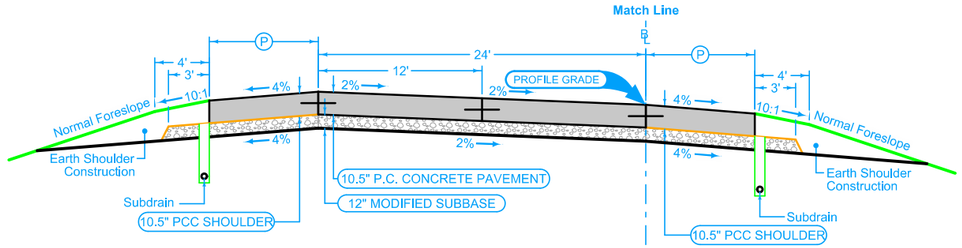
See Tab 100-24 for pavement quantities.
See Tab 112-9 for shoulder quantities.

WRIGHT BROTHER BOULEVARD RAMP B PCC PAVING

Full Depth PCC Shoulder

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

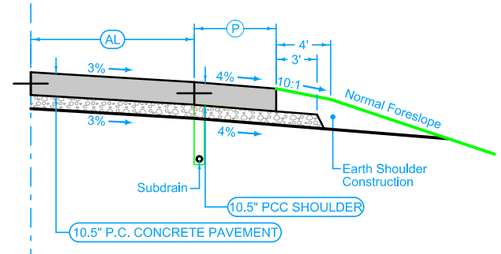
2_P_FullPCC_ 04-20-21		
STATION TO STATION		(P) Feet
3095+08.34	3103+42.03	6



Section shown in the direction of traffic.

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

2RP_ 04-20-21	
BEGIN STATION	END STATION
3095+08.34	3103+42.03



Full Depth PCC Shoulder

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

2_P_FullPCC_ 04-20-21		
STATION TO STATION		(P) Feet
3095+08.34	3096+75.00	10

Auxiliary Lane

Longitudinal joint: L or KT
Transverse joint: Match Mainline

Auxiliary Lane
Full Depth Shoulder

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

2_AuxLane_PCC_ 10-18-16			2_AL_Shldr_FullPCC_ 04-21-20
STATION TO STATION		(AL) Feet	(P) Feet
3096+75.00	3101+55.00	0-12	10
3101+55.00	3103+42.03	12	10

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

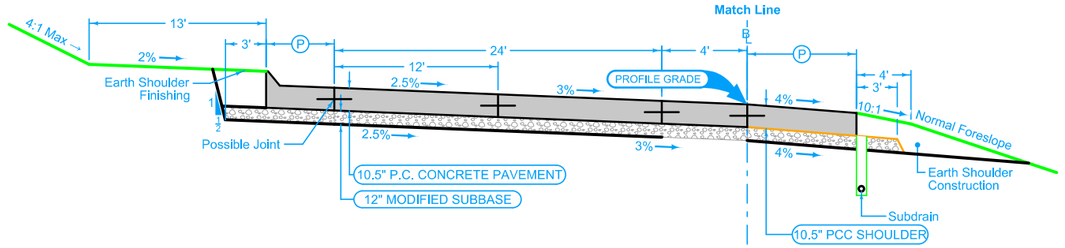
WRIGHT BROTHER BOULEVARD RAMP C PCC PAVING

Curbed Shoulder

Shoulder jointing:
Longitudinal joint not required when distance from back of curb to nearest joint is less than 16':

Transverse: C at 17' spacing
Single pour: L-2
Staged : KT-2

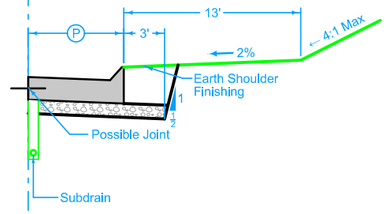
			1R_Curb_ 04-21-20
BEGIN STATION	END STATION	(P) Feet	Curb Type See PV-102
1+00.00	4+71.37	6.5	6" SLP



Section shown in the direction of traffic.

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

	2RP_ 04-20-21
BEGIN STATION	END STATION
1+00.00	4+71.37



Full Depth PCC Shoulder

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

		2_P_FullPCC_ 04-20-21
STATION TO STATION		(P) Feet
2+66.15	4+71.37	10

Curbed Shoulder

Shoulder jointing:
Longitudinal joint not required when distance from back of curb to nearest joint is less than 16':

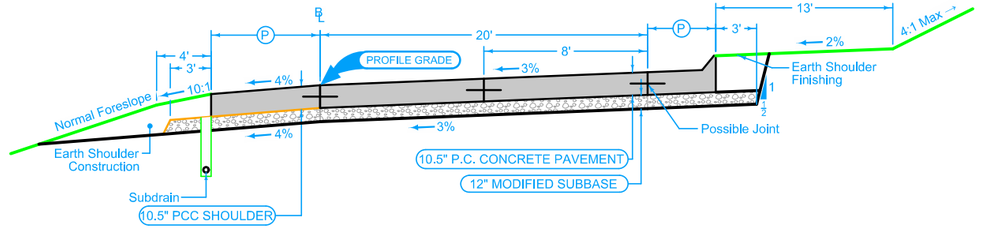
Transverse: C at 17' spacing
Single pour: L-2
Staged : KT-2

			1R_Curb_ 04-21-20
BEGIN STATION	END STATION	(P) Feet	Curb Type See PV-102
1+00.00	2+66.15	2.5	6" SLP

Full Depth PCC Shoulder

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

		2_P_FullPCC_ 04-20-21
STATION TO STATION		(P) Feet
1+00.00	3+83.76	6



Section shown in the direction of traffic.

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

	2RP_ 04-20-21
BEGIN STATION	END STATION
1+00.00	3+83.76

Curbed Shoulder

Shoulder jointing:
Longitudinal joint not required when distance from back of curb to nearest joint is less than 16':

Transverse: C at 17' spacing
Single pour: L-2
Staged : KT-2

			1R_Curb_ 04-21-20
BEGIN STATION	END STATION	(P) Feet	Curb Type See PV-102
1+00.00	3+83.76	2.5	6" SLP

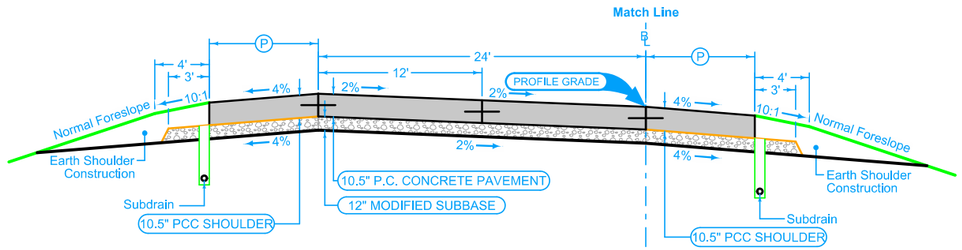
See Tab 100-24 for pavement quantities.
See Tab 112-9 for shoulder quantities.

WRIGHT BROTHER BOULEVARD RAMP C PCC PAVING

Full Depth PCC Shoulder

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

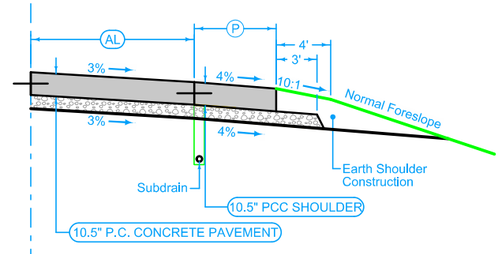
2_P_FullPCC_ 04-20-21		
STATION TO STATION		(P) Feet
4109+29.21	4117+91.66	6



Section shown in the direction of traffic.

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

2RP_ 04-20-21	
BEGIN STATION	END STATION
4109+29.21	4117+91.66



Full Depth PCC Shoulder

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

2_P_FullPCC_ 04-20-21		
STATION TO STATION		(P) Feet
4116+05.00	4117+91.66	10

Auxiliary Lane

Longitudinal joint: L or KT
Transverse joint: Match Mainline

Auxiliary Lane
Full Depth Shoulder

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

STATION TO STATION		2_AuxLane_PCC_ 10-18-16 (AL) Feet	2_AL_Shldr_FullPCC_ 04-21-20 (P) Feet
4109+29.21	4111+25.00	12	10
4111+25.00	4116+05.00	12-0	10

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

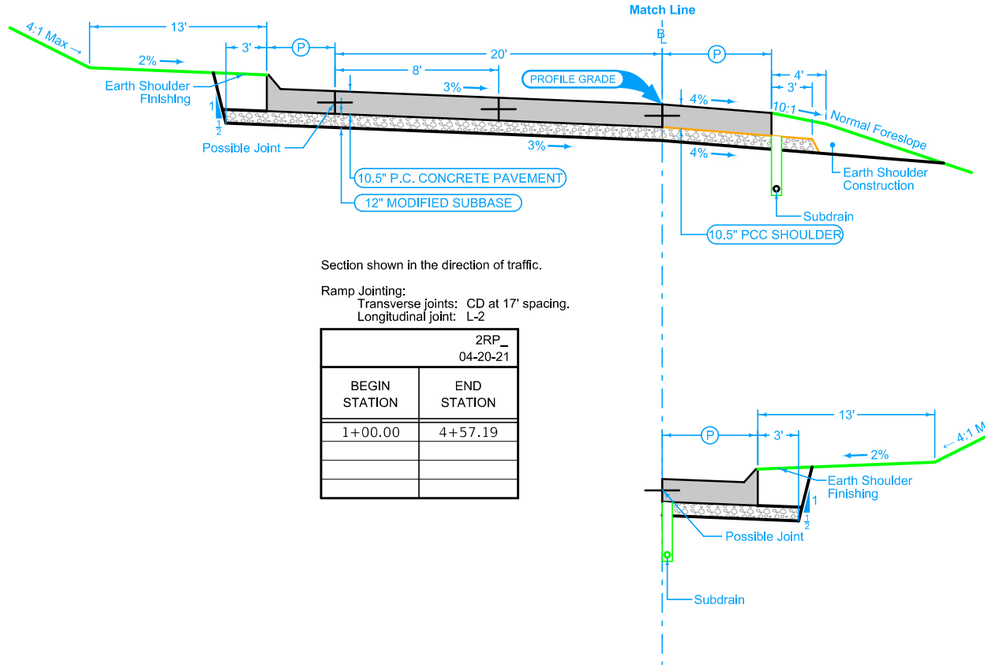
WRIGHT BROTHER BOULEVARD RAMP D PCC PAVING

Curbed Shoulder

Shoulder jointing:
Longitudinal joint not required when distance from back of curb to nearest joint is less than 16':

Transverse: C at 17' spacing
Single pour: L-2
Staged : KT-2

1R_Curb_ 04-21-20			
BEGIN STATION	END STATION	(P) Feet	Curb Type See PV-102
1+00.00	4+57.19	2.5	6" SLP



Section shown in the direction of traffic.

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

2RP_ 04-20-21	
BEGIN STATION	END STATION
1+00.00	4+57.19

Full Depth PCC Shoulder

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

2_P_FullPCC_ 04-20-21		
STATION TO STATION		(P) Feet
1+00.00	3+14.64	10

Curbed Shoulder

Shoulder jointing:
Longitudinal joint not required when distance from back of curb to nearest joint is less than 16':

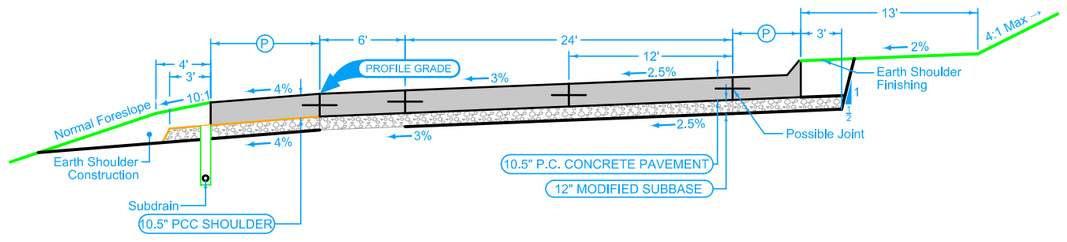
Transverse: C at 17' spacing
Single pour: L-2
Staged : KT-2

1R_Curb_ 04-21-20			
BEGIN STATION	END STATION	(P) Feet	Curb Type See PV-102
3+14.64	4+57.19	2.5	6" SLP

Full Depth PCC Shoulder

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

2_P_FullPCC_ 04-20-21		
STATION TO STATION		(P) Feet
1+00.00	4+71.66	6



Section shown in the direction of traffic.

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

2RP_ 04-20-21	
BEGIN STATION	END STATION
1+00.00	4+71.66

Curbed Shoulder

Shoulder jointing:
Longitudinal joint not required when distance from back of curb to nearest joint is less than 16':

Transverse: C at 17' spacing
Single pour: L-2
Staged : KT-2

1R_Curb_ 04-21-20			
BEGIN STATION	END STATION	(P) Feet	Curb Type See PV-102
1+00.00	4+71.66	8.5	6" SLP

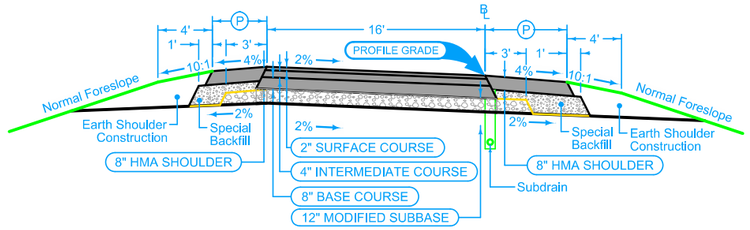
See Tab 100-24 for pavement quantities.
See Tab 112-9 for shoulder quantities.

WRIGHT BROTHER BOULEVARD RAMP D PCC PAVING

HMA Shoulder

Shoulder Jointing:
Longitudinal joint: B

		1R_P_HMA_ 10-19-10
BEGIN STATION	END STATION	(P) Feet
5744+10.19	5751+01.06	4



Section shown in direction of traffic.

	1RH_ 04-20-21
BEGIN STATION	END STATION
5744+10.19	5751+01.06

HMA Shoulder

Shoulder Jointing:
Longitudinal joint: B

		1R_P_HMA_ 10-19-10
BEGIN STATION	END STATION	(P) Feet
5744+10.19	5751+01.06	6

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

120TH STREET RAMP A HMA PAVING

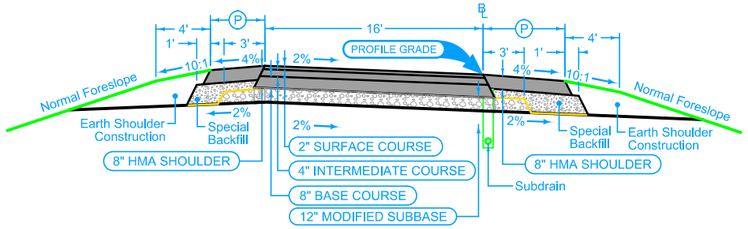
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER B.15

2:52:17 PM 7/28/2022 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_B01.dgn

HMA Shoulder

Shoulder Jointing:
Longitudinal joint: B

1R_P_HMA_ 10-19-10		
BEGIN STATION	END STATION	(P) Feet
2745+50.83	2751+02.76	4



Section shown in direction of traffic.

1RH_ 04-20-21	
BEGIN STATION	END STATION
2745+50.83	2751+02.76

HMA Shoulder

Shoulder Jointing:
Longitudinal joint: B

1R_P_HMA_ 10-19-10		
BEGIN STATION	END STATION	(P) Feet
2745+50.83	2751+02.76	6

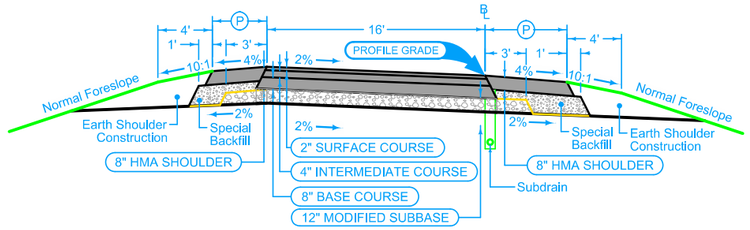
See Tab 100-25 for pavement quantities.
See Tab 112-9 for shoulder quantities.

120TH STREET RAMP D HMA PAVING

HMA Shoulder

Shoulder Jointing:
Longitudinal joint: B

1R_P_HMA_ 10-19-10		
BEGIN STATION	END STATION	(P) Feet
1027+61.01	1032+56.06	4



Section shown in direction of traffic.

1RH_ 04-20-21	
BEGIN STATION	END STATION
1027+61.01	1032+56.06

HMA Shoulder

Shoulder Jointing:
Longitudinal joint: B

1R_P_HMA_ 10-19-10		
BEGIN STATION	END STATION	(P) Feet
1027+61.01	1032+56.06	6

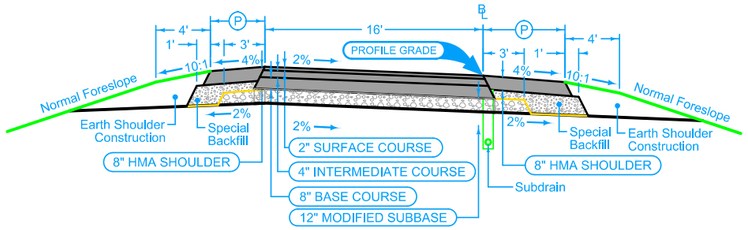
See Tab 100-25 for pavement quantities.
See Tab 112-9 for shoulder quantities.

SB REST AREA RAMP A HMA PAVING

HMA Shoulder

Shoulder Jointing:
Longitudinal joint: B

		1R_P_HMA_ 10-19-10
BEGIN STATION	END STATION	(P) Feet
2011+68.94	2016+10.42	4



Section shown in direction of traffic.

	1RH_ 04-20-21
BEGIN STATION	END STATION
2011+68.94	2016+10.42

HMA Shoulder

Shoulder Jointing:
Longitudinal joint: B

		1R_P_HMA_ 10-19-10
BEGIN STATION	END STATION	(P) Feet
2011+68.94	2016+10.42	6

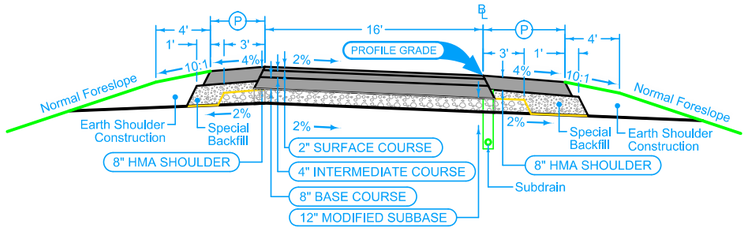
See Tab 100-25 for pavement quantities.
See Tab 112-9 for shoulder quantities.

NB REST AREA RAMP B HMA PAVING

HMA Shoulder

Shoulder Jointing:
Longitudinal joint: B

		1R_P_HMA_ 10-19-10
BEGIN STATION	END STATION	(P) Feet
3008+70.15	3013+78.96	4



Section shown in direction of traffic.

	1RH_ 04-20-21
BEGIN STATION	END STATION
3008+70.15	3013+78.96

HMA Shoulder

Shoulder Jointing:
Longitudinal joint: B

		1R_P_HMA_ 10-19-10
BEGIN STATION	END STATION	(P) Feet
3008+70.15	3013+78.96	6

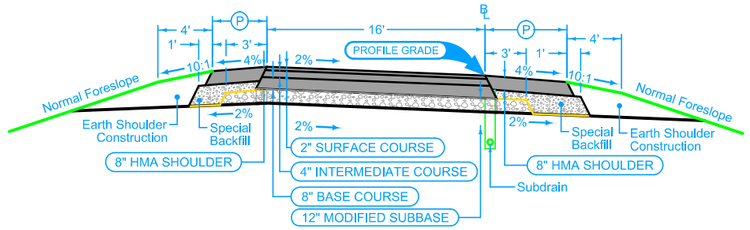
See Tab 100-25 for pavement quantities.
See Tab 112-9 for shoulder quantities.

SB REST AREA RAMP C HMA PAVING

HMA Shoulder

Shoulder Jointing:
Longitudinal joint: B

1R_P_HMA_ 10-19-10		
BEGIN STATION	END STATION	(P) Feet
4030+28.37	4035+31.07	4



Section shown in direction of traffic.

1RH_ 04-20-21	
BEGIN STATION	END STATION
4030+28.37	4035+31.07

HMA Shoulder

Shoulder Jointing:
Longitudinal joint: B

1R_P_HMA_ 10-19-10		
BEGIN STATION	END STATION	(P) Feet
4030+28.37	4035+31.07	6

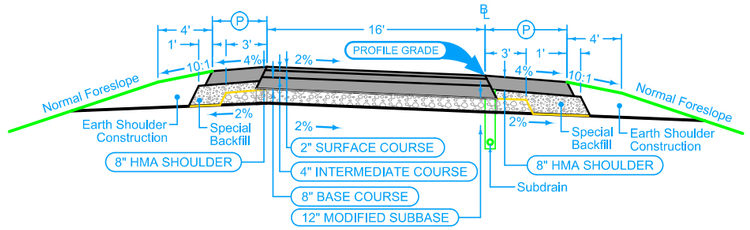
See Tab 100-25 for pavement quantities.
See Tab 112-9 for shoulder quantities.

NB REST AREA RAMP D HMA PAVING

HMA Shoulder

Shoulder Jointing:
Longitudinal joint: B

		1R_P_HMA_ 10-19-10
BEGIN STATION	END STATION	(P) Feet
2225+23.94	2231+51.41	4



Section shown in direction of traffic.

	1RH_ 04-20-21
BEGIN STATION	END STATION
2225+23.94	2231+51.41

HMA Shoulder

Shoulder Jointing:
Longitudinal joint: B

		1R_P_HMA_ 10-19-10
BEGIN STATION	END STATION	(P) Feet
2225+23.94	2231+51.41	6

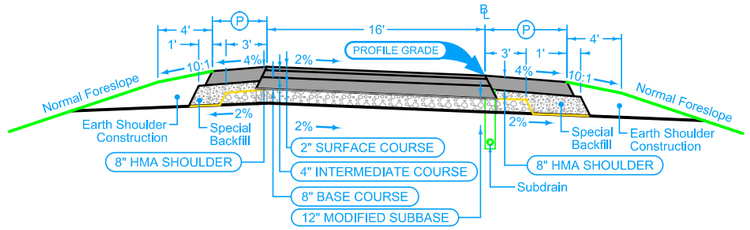
See Tab 100-25 for pavement quantities.
See Tab 112-9 for shoulder quantities.

US 30 RAMP B HMA PAVING

HMA Shoulder

Shoulder Jointing:
Longitudinal joint: B

1R_P_HMA_ 10-19-10		
BEGIN STATION	END STATION	(P) Feet
3227+33.91	3232+45.44	4



Section shown in direction of traffic.

1RH_ 04-20-21	
BEGIN STATION	END STATION
3227+33.91	3232+45.44

HMA Shoulder

Shoulder Jointing:
Longitudinal joint: B

1R_P_HMA_ 10-19-10		
BEGIN STATION	END STATION	(P) Feet
3227+33.91	3232+45.44	6

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

US 30 RAMP C HMA PAVING

SURVEY SYMBOLS

AST, Above Ground Storage Tank
BB, Billboard
BBB, Bottom of Bridge Beam
BCL, Bridge Centerline
BD, Bridge Deck
BIN, Grain Bin
BL, Topo Breakline
BLD, Building or Foundation
BLS, Bridge Low Steel
BM, Bench Mark
BNK, Stream Bank
BRG, Bridge
C, Centerline BL of Road -ML or SR
CAV, Cave
CEL, Cell Phone Tower
CIS, Cistern
CON, Concrete or A/C Slab
CP, Control Point
CRP, Corporation Line
CS, Curve Point
CU, Back of Curb
CUL, Culvert
D, Centerline Draw or Stream -Down
DAB, Drainage Area Boundary
DIK, Centerline of Dike or Dam
DTM, Photogrammetry Elv Control Check
DU, Centerline Draw or Stream -Up
EB, Electrical Box
EG, Edge of Gravel Road
ENP, Edge Paved Entrance and Park Lot
ENT, Centerline BL of Entrance
ENU, Edge Unpaved Entrance and Parking
EP, Edge of Paved Roads -ML or SR
EW, Edge of Water
FCL, Chain Link and Security Fence
FENO, FENO Monument
FHD, Fire Hydrants
FLG, Flag Poles
FP, Filler Pipe
FW, Wire Fence
FWD, Wood Fence
GDC, Guard Rail Cable
GDL, Guard Rail Steel
GP, Guard Post -Less Than 4 Posts
GPR, Guard Post -4 or More Posts
GR, Ground Shot
GRV, Grave
GU, Gutter In Front of Curb
GV, Gas Valve
HDG, Hedge Row
HS, Hydric Soil -Wetlands
HT, Electrical Highline Tower
IN, Storm Sewer Intake
INB, Storm Sewer Beehive Intake
LC, Lot Corner
LIN, Miscellaneous Line
LP, L.P. Tank
LUM, Luminaire
MH, Utility Access -Manhole
MIS, Miscellaneous
MM, Mile Marker Post
OUT, Tile Outlet
PC, Curve Point
PCP, Photo Control Point
PCT, Photo Control Target
PI, Tangent Point
PIP, Pipe Culvert
PL, Location of Photo -Wetlands
PLG, Location of General Photo
POC, Curve Point
POST, Spiral Point

PR, Electic Riser Pole
PRO, Profile Shot
PT, Curve Point
REF, Reference Tie Point
RET, Retaining Walls
RIP, Rip-Rap
ROC, Rock Outcropping
ROW, Right of Way Mark
RR, Centerline of Railroad Tracks
RRB, Railroad Signal Box
RRF, Railroad Frog
RRR, Railroad Rail
RRS, Railroad Signal
RRW, Railroad Switch
RT, Radio Tower
S, Soil Sampling Site -Wetlands
SBR, Size of Bridge
SC, Spiral Point
SCR, Section Corner
SEP, Septic Tank
SF, Silt Fence -Wetlands
SG, Staff Gauge -Wetlands
SH, Paved Shoulder
SHR, Shrub
SI, Sign
SL, Speed Limit Sign
SLN, Section Line
SLO, Silo
SNK, Sink Hole
SNP, Unpaved Shoulder
SP, Stream Profile
STP, Stump
SWK, Sidewalk
SWP, Swamp or Marsh
TA, Tower Anchor
TBO, Telephone Booth
TCB, Traffic Signal Box
TDC, Tree Deciduous
TDL, Trafic Detection Loop
TER, Terrace
TEV, Evergeen Tree
TFR, Tree Fruit
TGP, Telegraph Pole
TIL, Tile Line
TLNL, Tree Line Left
TLNR, Tree Line Right
TOP, Top of Bridge Pier
TPA, Telephone Pole Co. 1
TPB, Telephone Pole Co. 2
TPC, Telephone Pole Co. 3
TR, Telephone Riser Pole
TRL, Trail
TS, Spiral Point
TSB, Telephone Switch Box
TSG, Traffic Signal
TSL, Traffic Signal and Luminare
TV, Satelite TV Dish
TVP, TV Pedestal
TW, Top of Water
UB, Utility Box
UE, Utility Elevation
UPH, Utility Pot Hole - Quality A
UST, Underground Tank
UV, Underground Utility Vault
VS, Channel Cross Section
WC, Wild Card -Misc. Field Shot
WEL, Well
WHD, Water Hydrant
WHU, RV Water Hook Up
WM, Wind Mill
WND, Wind Turbine
WV, Water Valve

UTILITY LEGEND

E1 — *Power Pole - Alliant Energy*
Electric Line - Alliant Energy
Mick Bennett
319-786-2005
mickbennett@alliantenergy.com

FO — *Fiber Optic - City of Cedar Rapids*
Sean Hanna
319-286-5027
s.hanna@cedar-rapids.org

FO2 — *FIber Optic - Aureon*
Jeff Klocko
515-830-0445
jeff.klocko@aureon.com

FO3 — *Fiber Optic - Iowa Com. Net./Iowa DOT*
Timothy Flickinger (ICN)
515-725-4699
timothy.flickinger@iowa.gov

Jason Dale (Iowa DOT)
515-239-1995
Jason.Dale@iowadot.us

FO4 — *Fiber Optic - Mediacom*
Mark Birchard
319-431-8772
mbirchard@mediacomcc.com

FO5 — *Fiber Optic - Lumen*
Matthew Holub
319-206-9094
matthew.holub@lumen.com

FO6 — *Fiber Optic - South Slope*
Shannon Stallman
319-981-9969
shannon@southslope.com

FO7 — *Fiber Optic - Unite Private Network*
Joe Ernster
319-252-7463
joe.ernster@upnfiber.com

FO8 — *Fiber Optic - Verizon*
Thanh Nguyen
515-783-7177
thanh.nguyen3@verizon.com

FO9 — *Fiber Optic - Windstream (ILEC)*
Dan Hogan
563-920-2428
Dan.Hogan@windstream.com

Fiber Optic - Windstream (CLEC)
Stephen Kness
319-538-1985
stephen.kness@windstream.com

G — *Gas Line - MidAmerican Energy*
Greg Wildebour
319-665-5440
gawildebour@midamerican.com

W — *Water Line - City of Cedar Rapids*
Brandon Schmall
319-286-5773
b.schmall@cedar-rapids.org

SAN. — *Sanitary Sewer - City of Cedar Rapids*
Matt Saur
319-286-5704
m.saur@cedar-rapids.org

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.**	
Lavender	(9)	Temporary Pavement Shading
Yellow	(4)	Proposed Pavement Shading
Orange	(6)	Proposed Granular Shading
Orange	(70)	Proposed Shoulder Granular Shading
Yellow	(68)	Proposed Shoulder Paved Full Depth Shading
Yellow	(132)	Proposed Shoulder Paved Partial Depth Shading
Gray, Dark	(112)	Proposed Grade and Pave Shading "In conjunction with a paving project"
Brown, Light	(236)	Grading Shading
Orange, Light	(134)	Proposed Granular Entrance Shading
Yellow	(220)	Proposed Paved Entrance Shading
Tan	(8)	Proposed Sidewalk Shading
Blue, Light	(230)	Proposed Sidewalk Landing Shading
Pink	(11)	Proposed Sidewalk Ramp Shading
Green, Light	(225)	Existing Pavement Shading
Red	(3)	Proposed Structure Shading
Red	(3)	Delineates Restricted Areas

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

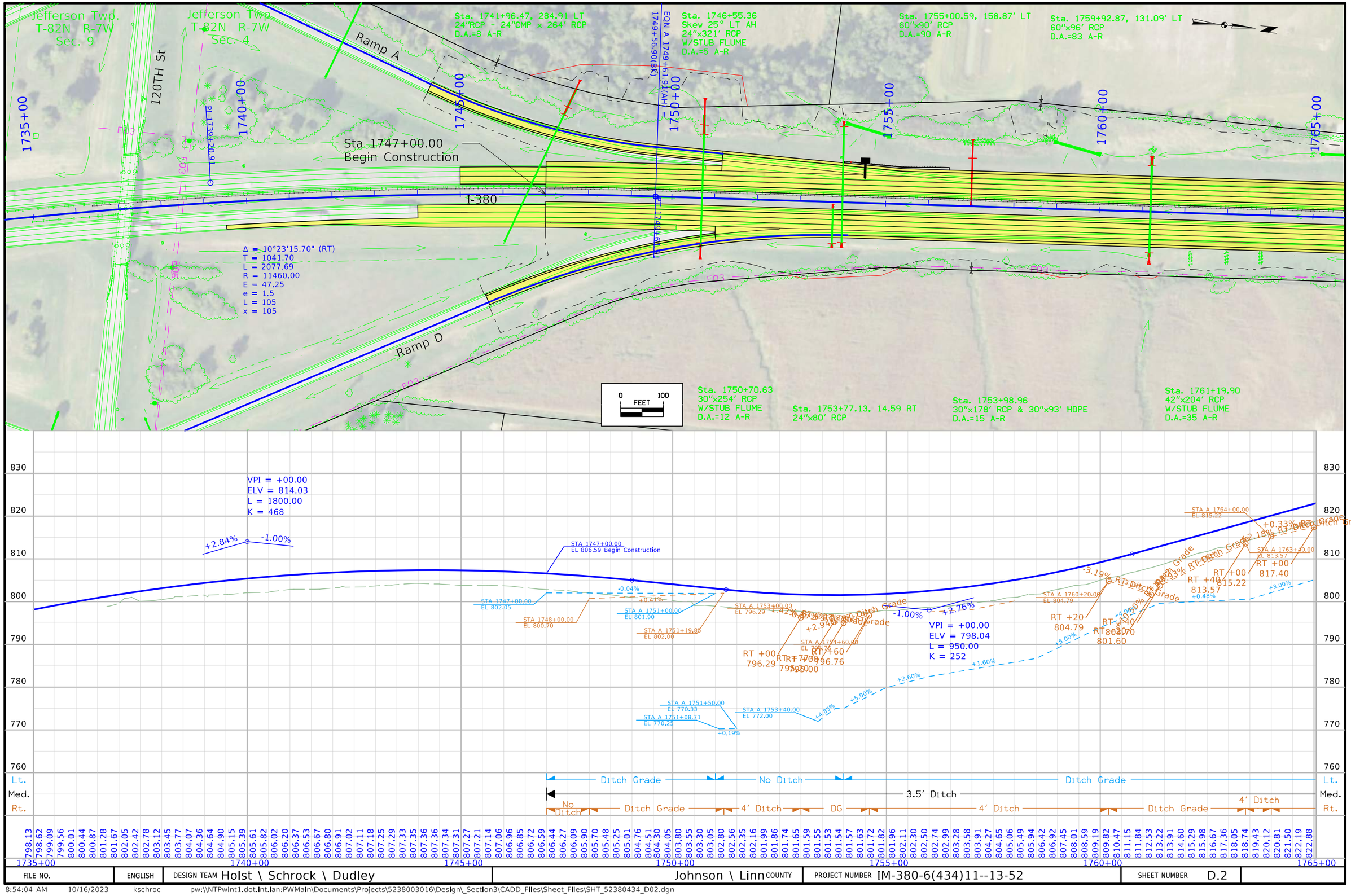
Proposed Right-of-Way
Existing Right of Way
Existing and Proposed Right-of-Way
Easement and Existing Right-of-Way
Easement (Temporary)
Easement
C/A Access Control
Property Line

PLAN AND PROFILE LEGEND AND SYMBOL INFORMATION SHEET

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

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER D.1

8:52:39 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_LGD.dgn



FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER D.2

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Sta. 1765+98.10, 145.82 LT
48"x73' RCP
D.A.=39 A-R

Jefferson Twp.
T-82N R-7W
Sec. 4

EQN B 0+00.00(AH) =
A 1787+28.96(BK)

30"x 65' RCP

College Twp.
T-82N R-7W
Sec. 33

24"x 1035' HDPE

1765+00 1770+00 1775+00 1780+00 1785+00 0+00 5+00

Proposed Paved Maintenance Turnaround

I-380

FO3 FO3 FO3 FO4

Sta. 1767+01.66
30"x194' RCP
W/STUB FLUME
D.A.=12 A-R

Sta. 1768+50.80, 13.48' RT
24"x60' RCP

Sta. 1777+87.14
18"x47' CMP
W/DR-212 PIPE GUARD

0 100
FEET

Sta. 1785+00.19
30"x192' RCP
D.A.=11 A-R

Sta. 2+21.47
42"x221' RCP
D.A.=36 A-R

VPI = +50.00
ELV = 854.63
L = 1600.00
K = 506

+2.76% -0.40%

STA A 1768+50.00
EL 828.81

STA A 1767+25.00
EL 825.36

+4.24% +3.17% +4.15% +3.62%

STA A 1769+60.00
EL 830.56

STA A 1770+60.00
EL 825.00

+0.33% +5.00% +3.00% +2.00%

STA A 1768+40.00
EL 817.00

+4.29% +3.00%

STA A 1781+40.00
EL 846.83

-1.70%

STA A 1783+00.00
EL 844.10

-0.20% -1.84% +0.20% +0.11%

STA B 4+50.00
EL 837.00

860 850 840 830 820 810 800 790

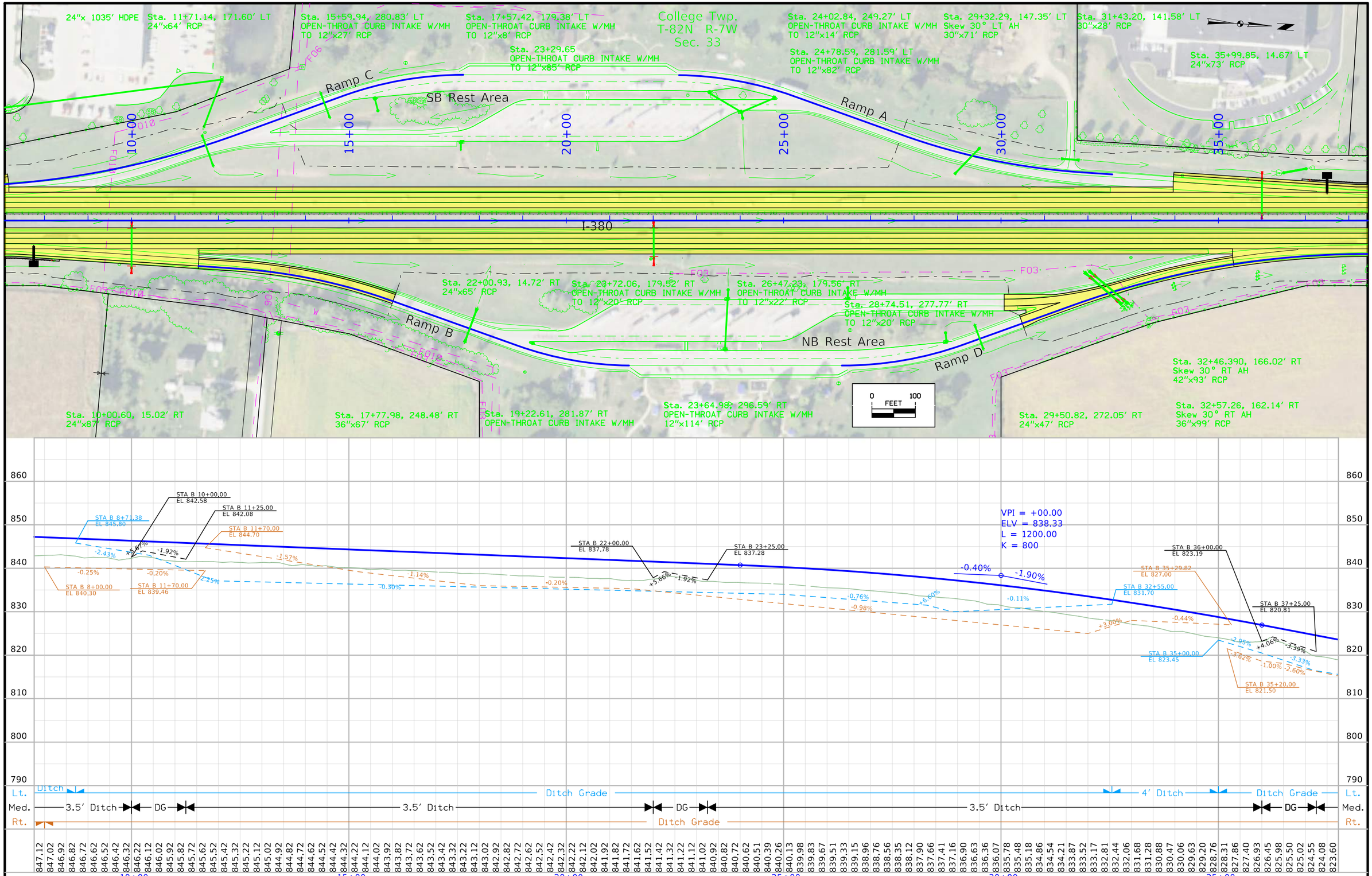
Lt. Ditch Grade No Ditch Ditch Grade No Ditch Lt.
Med. 3.5' Ditch DG 3.5' Ditch Med.
Rt. Ditch Grade 4' Ditch DG No Ditch Rt.

823.57 824.26 824.95 825.64 826.33 827.03 827.72 828.41 829.10 829.79 830.48 831.17 831.86 832.55 833.23 833.90 834.56 835.21 835.84 836.47 837.08 837.67 838.26 838.83 839.39 839.94 840.48 841.00 841.51 842.01 842.50 842.97 843.43 843.88 844.32 844.74 845.16 845.56 845.94 846.32 846.68 847.03 847.37 847.70 848.01 848.31 848.60 848.88 849.14 849.40 849.63 849.86 850.08 850.28 850.47 850.65 850.81 850.97 851.11 851.24 851.35 851.46 851.55 851.63 851.69 851.75 851.79 851.82 851.84 851.84 851.83 851.81 851.78 851.74 851.68 851.61 851.53 851.44 851.34 851.24 851.14 851.04 850.94 850.84 850.74 850.64 850.54 850.44 850.34 850.22 850.12 850.02 849.92 849.82 849.72 849.62 849.52 849.42 849.32 849.22 849.12 849.02 848.92 848.82 848.72 848.62 848.52 848.42 848.32 848.22 848.12 848.02 847.92 847.82 847.72 847.62 847.52 847.42 847.32 847.22

1770+00 1775+00 1780+00 1785+00 0+00 5+00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER D.3

8:54:16 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_D02.dgn



FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER D.4

8:54:29 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_D02.dgn

Sta. 36+50.29, 109.76' LT
36"x52' HDPE

Sta. 41+52.10, 105.85' LT
42"x44' HDPE

Sta. 46+07.12, 109.96' LT
42"x47' HDPE

Sta. 52+01.81, 105.95' LT
36"x50' HDPE

Sta. 52+25.00
24"x64' RCP
*Inlet apron not found.

Sta. 50+24.96, 14.48' LT
24"x64' RCP

College Twp.
T-82N R-7W
Sec. 33

College Twp.
T-82N R-7W
Sec. 28

Sta. 54+02.79, 95.01' LT
Skew 2° RT AH
24"x146' RCP
D.A.=5 A-R

Sta. 63+14.66, 236.68' LT
54"x55' RCP

40+00
45+00
50+00
55+00
60+00
65+00

I-380

RC 46+23.22

Walford Rd

Δ = 02°19'29.20" (RT)
T = 697.58
L = 1394.97
R = 34380.00
E = 7.08
e = NC

Sta. 47+83.76, 107.19' RT
48"x56' RCP

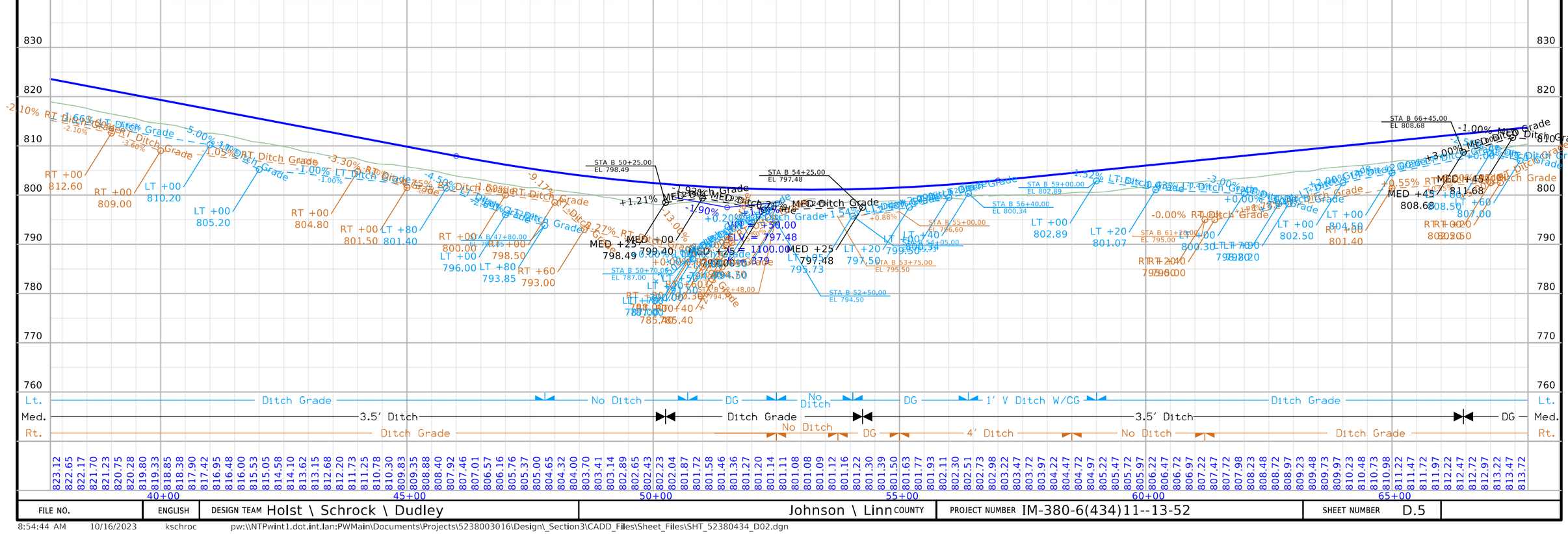
Sta. 50+90.48
Skew 15° RT AH
8'x10'x175' TWIN RCB
D.A.=1904 A-R

0 100
FEET

Sta. 58+75.03, 97.97' RT
Skew 2° RT AH
24"x121' RCP

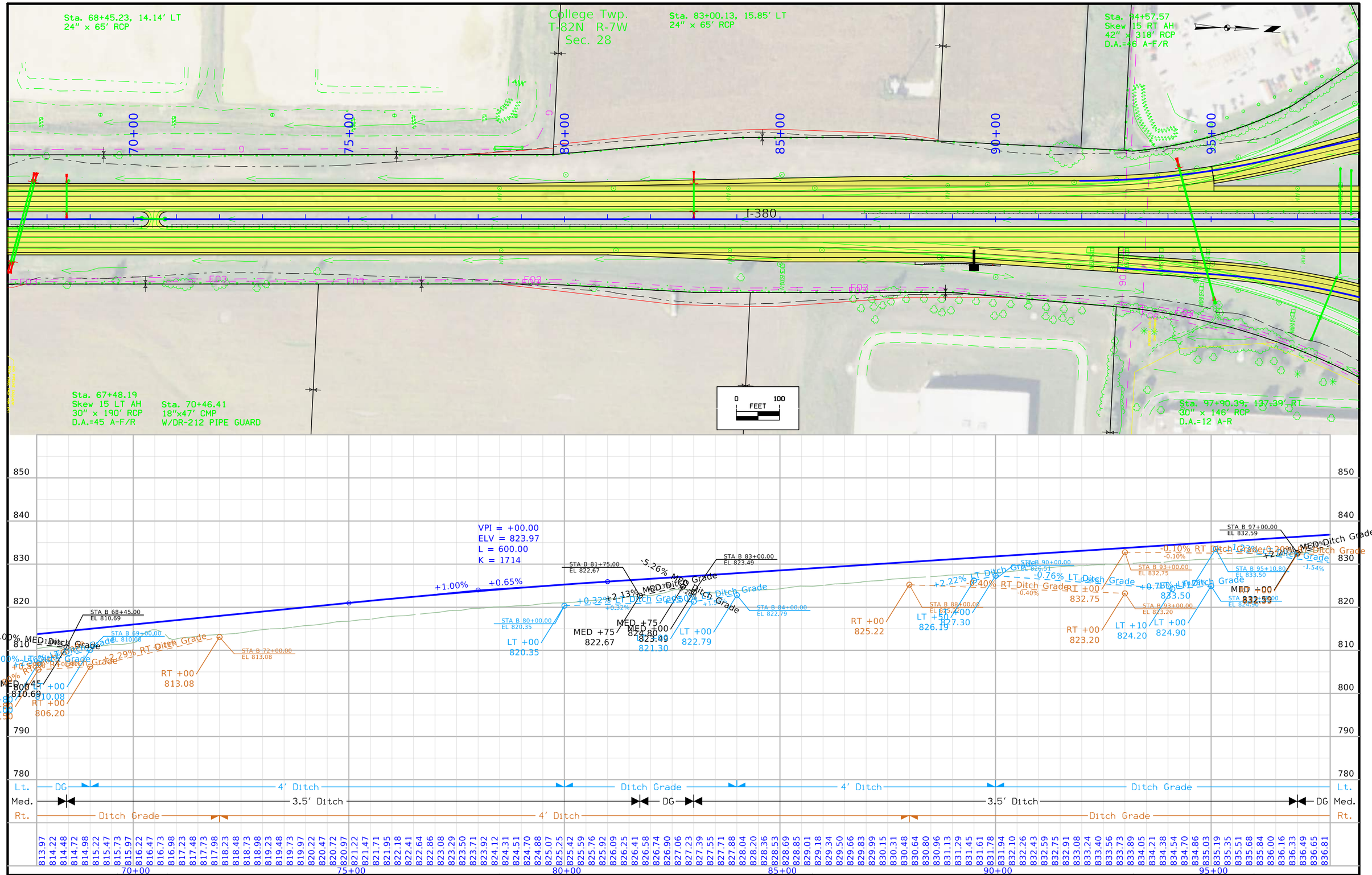
Sta. 62+00.09
Skew 30° LT AH
4'x4'x220' RCB
D.A.=88 A-F/R

Sta. 67+42.08
Skew 45° LT AH
30"x190' RCP
D.A.=43 A-F/R



FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER D.5

8:54:44 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_D02.dgn



FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER D.6

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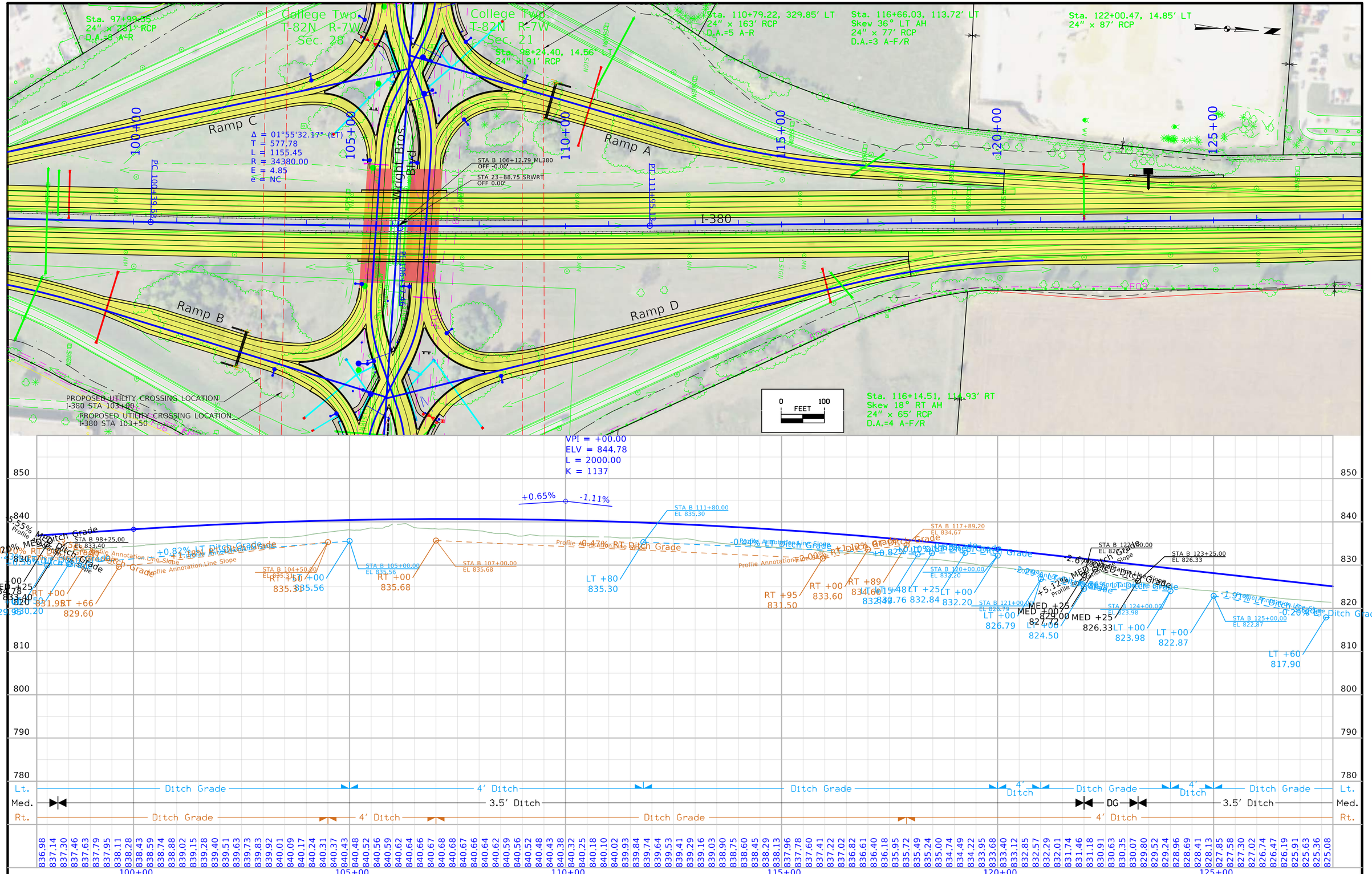
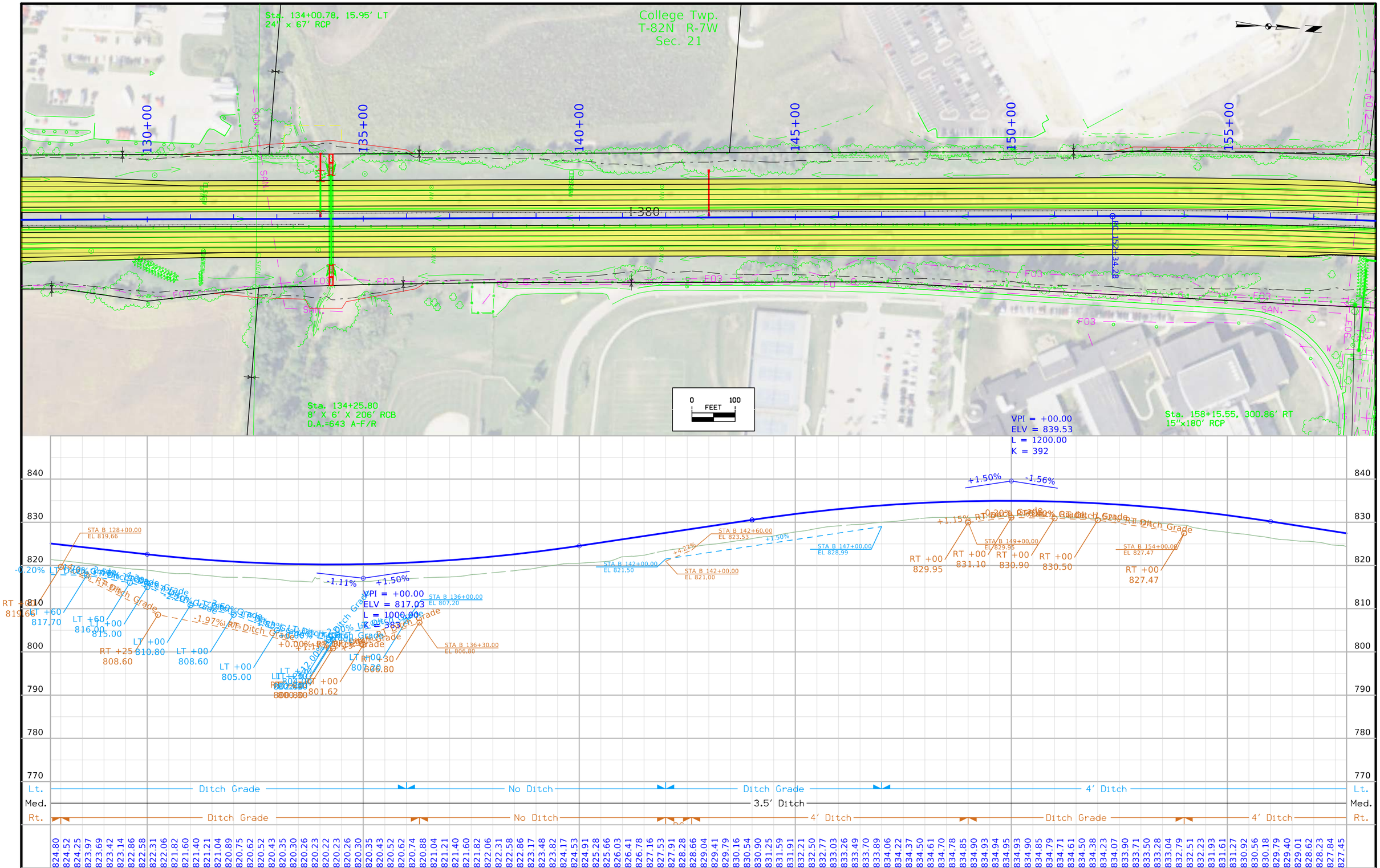


FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER D.7

8:55:10 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_D02.dgn



FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER D.8

8:55:21 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_D02.dgn

Sta. 158+35.73, 95.24' LT
Skew 3° RT AH
24"x137' RCP

Δ = 08°21'23.01" (RT)
T = 1046.48
L = 2089.25
R = 14325.00
E = 38.17
e = 1.5
L = 105
x = 105

76TH Ave

PI 164+80.76

EQN C 173+28.49(AH) =
B 173+23.53(BK)

College Twp.
T-82N R-7W
Sec. 16

I-380

Sta. 158+28.77, 91.89' RT
Skew 3° RT AH
30"x127' RCP
D.A.=10 A-F/R

Sta. 164+01.31, 15.64' RT
24"x59' RCP

0 100
FEET

Sta. 180+00.47, 15.59' RT
24"x70' RCP

Sta. 181+12.51
Skew 30° LT AH
DROP INLET 6'x6' TO 4'x5' x233' RCB
D.A.=180 A-R/H

STA B 164+00.00
EL 813.96

STA B 165+25.00
EL 812.01

STA B 159+80.00
EL 819.60

STA B 161+60.00
EL 817.56

STA B 163+00.00
EL 813.94

VPI = +50.00
ELV = 796.72
L = 800.00
K = 1049

STA C 180+00.00
EL 791.09

STA C 181+25.00
EL 789.99

STA C 176+00.00
EL 794.45

STA C 185+50.00
EL 782.60

STA C 182+20.00
EL 772.60

Lt. Special Grading — DG — 4' Ditch — Ditch Grade — No Ditch — Ditch Grade
Med. 3.5' Ditch — DG — 3.5' Ditch — DG — 3.5' Ditch
Rt. Special Grading — 4' Ditch — Ditch Grade

160+00 165+00 170+00 175+00 180+00 185+00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER D.9

8:55:29 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_D02.dgn

Sta. 204+00.75, 14.15' LT
24"x64' RCP

College Twp.
T-82N R-7W
Sec. 16

College Twp.
T-82N R-7W
Sec. 9

F05

190+00 | 195+00 | 200+00 | 205+00 | 210+00 | 215+00

I-380

F03

Sta. 188+75.45, 14.53' RT
24"x75' RCP

Sta. 189+00.69
Skew 15° RT AH
42"x187' RCP
D.A.=31.0 A-R/H

Sta. 189+95.77
Skew 10° LT AH
12"x177' CMP

0 100
FEET

STA C 191+73.00
EL 799.92

STA C 188+75.00
EL 783.86

VPI = +00.00
ELV = 785.96
L = 800.00
K = 1049

-0.80%
-1.56%
-2.08%
-3.09%
-3.41%
-0.37%
+0.11%
+0.93%
+0.00%
+0.00%

STA C 190+00.00
EL 782.58

STA C 191+00.00
EL 780.29

STA C 190+00.00
EL 781.42

RT +00
780.29

LT +00
776.00

-1.56%
-5.00%

+4.66%
-3.11%

STA C 204+00.00
EL 761.94

STA C 205+25.00
EL 759.99

STA C 209+00.00
EL 752.98

790 | 780 | 770 | 760 | 750 | 740 | 730 | 720

Lt. Ditch Grade — DG — 3.5' Ditch — 4' Ditch — DG — 4' Ditch — 3.5' Ditch — Lt.
Med.
Rt. Ditch Grade — 4' Ditch — Rt.

788.30 788.07 787.84 787.60 787.36 787.11 786.85 786.59 786.32 786.05 785.77 785.48 785.19 784.89 784.59 784.28 783.97 783.64 783.32 782.98 782.64 782.30 781.95 781.59 781.23 780.86 780.48 780.10 779.72 779.33 778.94 778.55 778.16 777.77 777.38 776.99 776.60 776.21 775.82 775.43 775.04 774.65 774.26 773.87 773.48 773.09 772.70 772.31 771.92 771.53 771.14 770.75 770.36 769.97 769.58 769.19 768.80 768.41 768.02 767.63 767.24 766.85 766.46 766.07 765.68 765.29 764.90 764.51 764.12 763.73 763.34 762.95 762.56 762.17 761.78 761.39 761.00 760.61 760.22 759.83 759.44 759.05 758.66 758.27 757.88 757.49 757.10 756.71 756.32 755.93 755.54 755.15 754.76 754.37 753.98 753.59 753.20 752.81 752.42 752.03 751.64 751.25 750.86 750.47 750.08 749.69 749.30 748.91 748.52 748.13 747.74 747.35 746.96 746.57 746.18 745.82 745.47 745.14 744.82 744.52

190+00 | 195+00 | 200+00 | 205+00 | 210+00 | 215+00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER D.10

12:36:59 PM 11/7/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_D02.dgn

Sta. 222+14.68, 14.18' LT
24"x67' RCP

Sta. 227+10.84, 165.79' LT
7'x3'x22' RCB

Sta. 231+99.41, 14.14' LT
24"x58' RCP

College Twp.
T-82N R-7W
Sec. 9

Sta C 229+00.00
End Full-Width Construction

Sta C 237+25.00
End Widening

220+00 225+00 230+00 235+00 240+00 245+00

US HWY 30

Ramp C

Ramp B

I-380

Sta. 227+24.27
6'x5'x238' RCB
D.A.=112.0 A-R

Sta. 231+38.91, 255.51' RT
24"x126' RCP

0 100
FEET

VPI = +50.00
ELV = 767.03
L = 1250.00
K = 303
+2.00%
-2.12%

STA C 229+00.00
EL 748.11 End Full-Width Construction

STA C 225+50.00
EL 742.40

STA C 227+35.15
EL 744.30

-0.24% LT

-0.91% RT

-3.00% LT

-2.49% LT

STA C 229+00.00
EL 739.20

STA C 227+35.15
EL 733.03

STA C 231+60.00
EL 738.01

-1.15% RT

1.42% LT

-1.56%

+2.00%

-0.49% LT

-0.40% RT

STA C 219+00.00
EL 738.37

STA C 221+00.00
EL 737.23

VPI = +00.00
ELV = 736.03
L = 1350.00
K = 379

STA C 225+50.00
EL 733.50

770 760 750 740 730 720 710 700

Lt. 4' Ditch Ditch Grade No Ditch

Med. 3.5' Ditch

Rt. Ditch Grade

744.24 743.97 743.72 743.49 743.27 743.07 742.89 742.72 742.57 742.43 742.32 742.22 742.13 742.06 742.01 741.97 741.95 741.95 741.97 742.00 742.04 742.11 742.19 742.28 742.39 742.52 742.67 742.83 743.01 743.21 743.42 743.64 743.89 744.15 744.43 744.72 745.03 745.36 745.70 746.06 746.44 746.83 747.24 747.67 748.11 748.57 749.04 749.54 750.04 750.54 751.04 751.53 752.03 752.54 753.03 753.53 754.03 754.53 755.02 755.49 755.94 756.37 756.78 757.16 757.53 757.88 758.20 758.50 758.79 759.05 759.29 759.52 759.72 759.90 760.06 760.20 760.32 760.41 760.49 760.55 760.59 760.60 760.60 760.57 760.53 760.46 760.37 760.26 760.14 759.99 759.82 759.63 759.42 759.19 758.93 758.66 758.37 758.05 757.72 757.37 756.99 756.59 756.18 755.74 755.28 754.80 754.30 753.78 753.26 752.73 752.20 751.66 751.13 750.61 750.07 749.54 749.01 748.49 747.96 747.42

220+00 225+00 230+00 235+00 240+00 245+00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER D.11

8:55:51 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_D02.dgn

College Twp.
T-82N R-7W
Sec. 20

College Twp.
T-82N R-7W
Sec. 21

Sta 10+36.56
Begin Construction

Wright Brothers Blvd

5+00

10+00

15+00

POB 2+01.43

STA 916+00.00
OFF 0.00' SRWRT_WB

STA 16+00.00
OFF -24.00' SRWRT

Sta 16+00.00
Stop Construction
WRT CL

STA 16+00.00
OFF 26.00' SRWRT

STA 816+00.00
OFF 0.00' SRWRT_EB

Proposed Utility Easement

6TH St

College Twp.
T-82N R-7W
Sec. 29

College Twp.
T-82N R-7W
Sec. 28

0 FEET 50

Wright Brothers Blvd

VPI = +00.00
ELV = 845.50
L = 200.00
K = 113

+3.00%

+1.22%

-0.28% RT

+0.23% LT

STA 10+36.56
EL 839.83 Begin Construction

STA 16+00.00
EL 848.50 Stop Const.

STA 16+00.00
EL 842.00

STA 13+00.00
EL 842.00

STA 14+20.00
EL 842.50

STA 16+00.00
EL 841.30

No Ditch
Ditch Grade
No Ditch
Ditch Grade

839.83 840.00 840.30 840.61 840.92 841.22 841.53 841.83 842.14 842.44 842.75 843.05 843.36 843.67 843.97 844.28 844.61 845.00 845.44 845.94 846.50 847.11 847.78 848.50

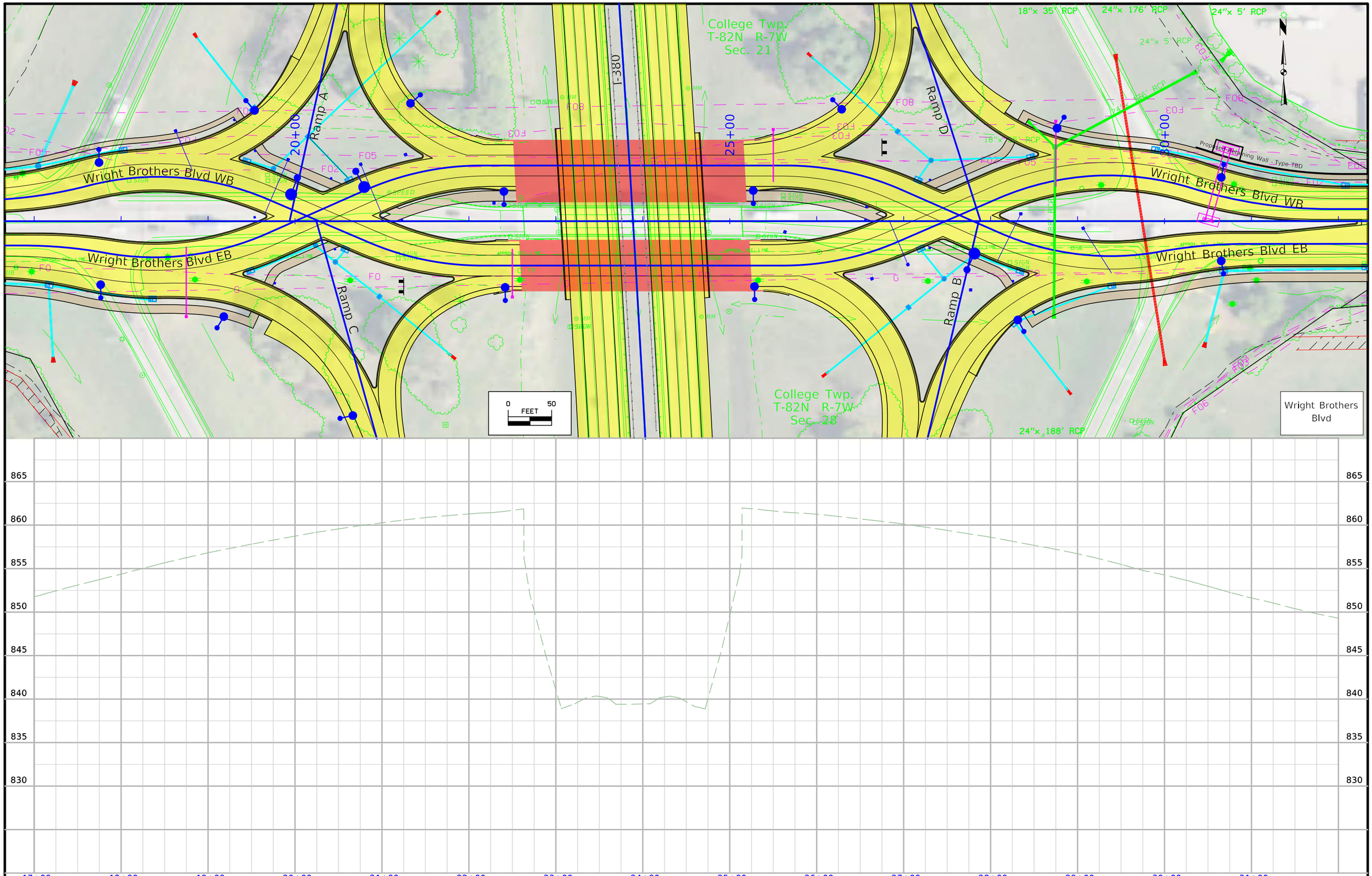
855 850 845 840 835 830 825 820

Lt.
Rt.

2+00 3+00 4+00 5+00 6+00 7+00 8+00 9+00 10+00 11+00 12+00 13+00 14+00 15+00 16+00

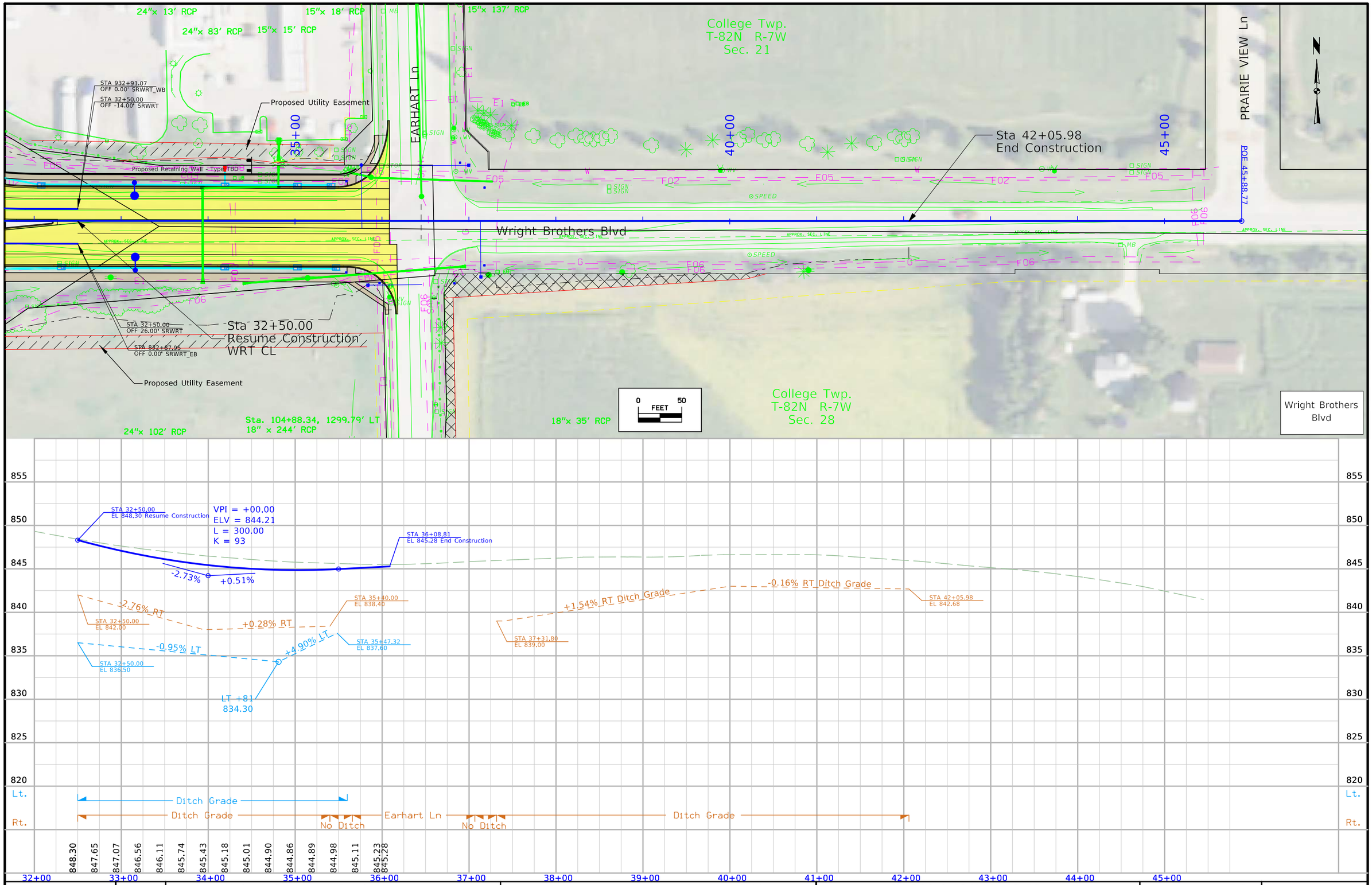
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER E.1

10:17:38 AM 11/7/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_E01.dgn



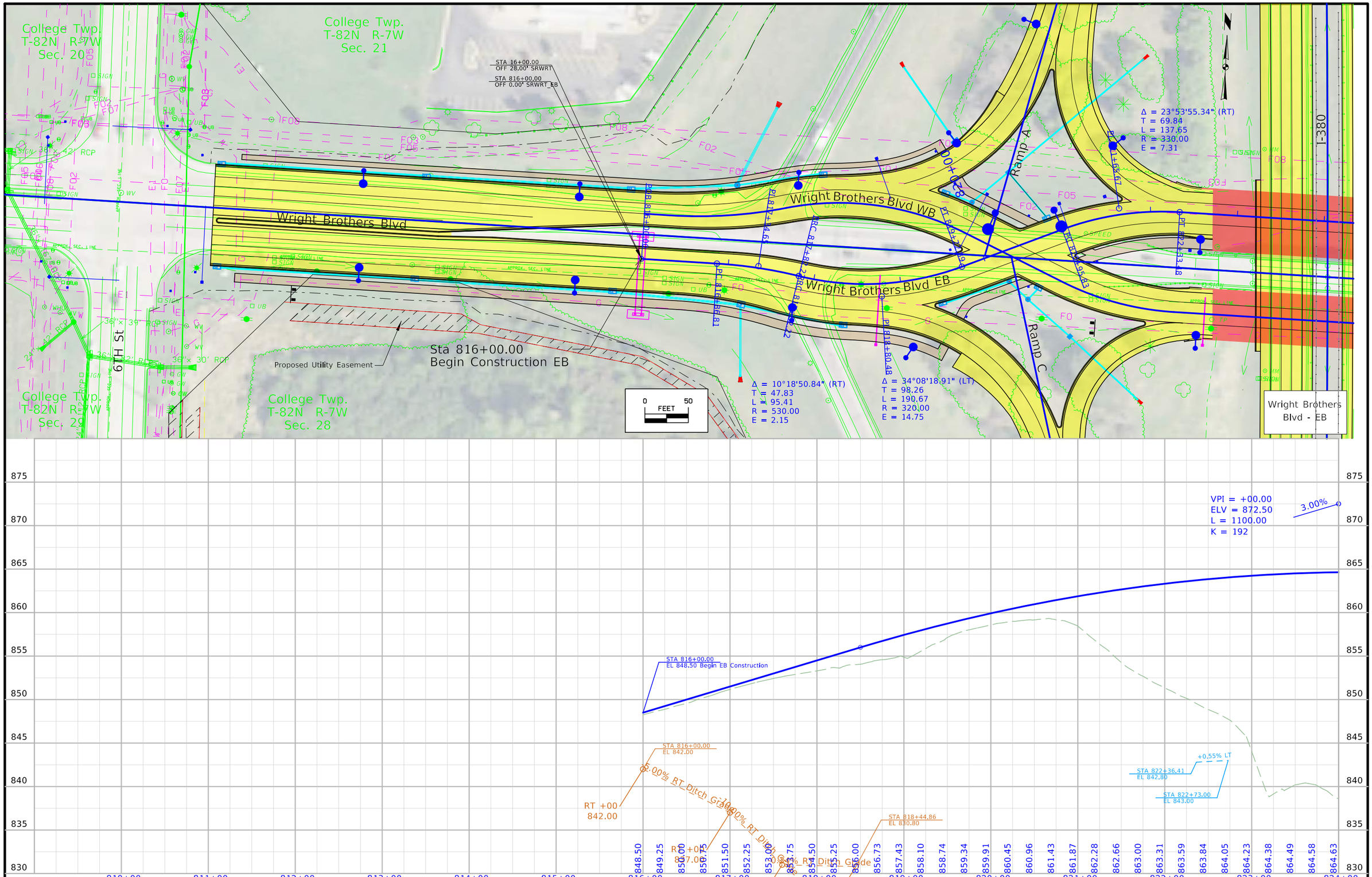
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER E.2

10:17:47 AM 11/7/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_E01.dgn



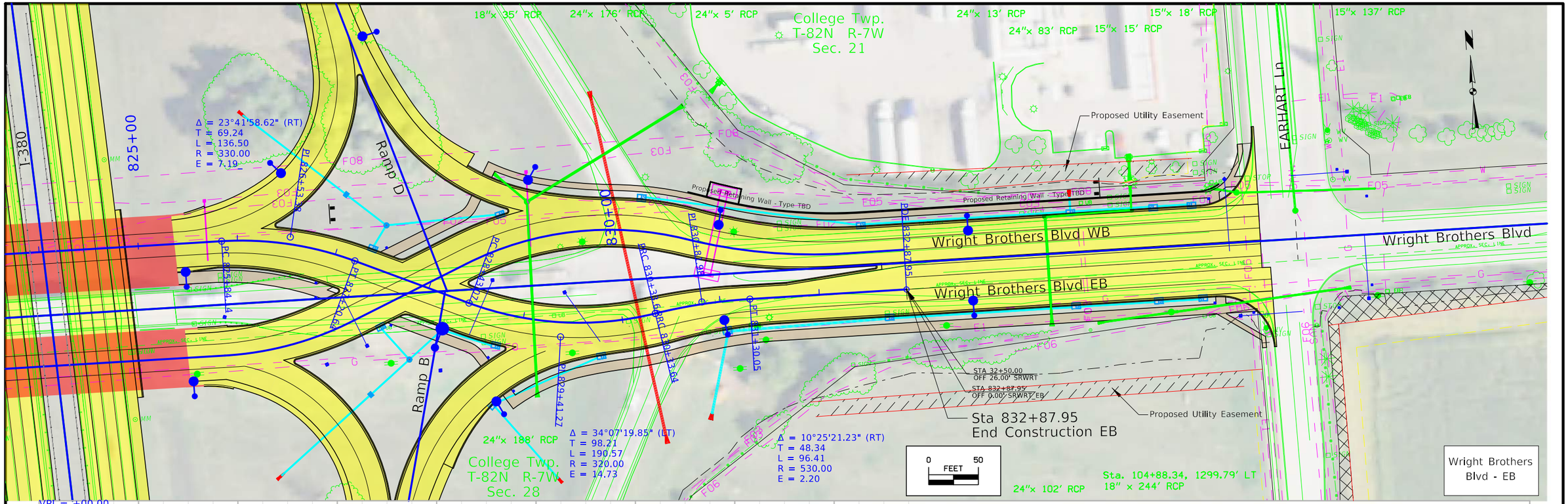
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER E.3

10:17:55 AM 11/7/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_E01.dgn



FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER E.4

10:18:23 AM 11/7/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_E04.dgn



FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER E.5

10:18:31 AM 11/7/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_E04.dgn

College Twp.
T-82N R-7W
Sec. 20

College Twp.
T-82N R-7W
Sec. 21

College Twp.
T-82N R-7W
Sec. 29

College Twp.
T-82N R-7W
Sec. 28

Sta 916+00.00
Begin Construction WB

STA 916+00.00
OFF 0.00' SRWRT_WB

STA 16+00.00
OFF -24.00' SRWRT

Δ = 14°29'24.04" (LT)
T = 67.38
L = 134.04
R = 530.00
E = 4.27

Δ = 37°35'28.70" (RT)
T = 108.91
L = 209.95
R = 320.00
E = 18.03

Δ = 23°06'04.66" (LT)
T = 67.44
L = 133.05
R = 330.00
E = 6.82

POB 916+00.00

PC 916+67.38

PI 917+64.44

PI 918+72.98

PT 919+01.99

PC 919+77.89

PI 920+00 Ramp A

PT 922+44.26

PI 919+55.33

Wright Brothers Blvd

Wright Brothers Blvd WB

Wright Brothers Blvd EB

Ramp C

I-380

36" x 42" RCP

36" x 39" RCP

36" x 30" RCP

36" x 42" RCP

36" x 30" RCP

6TH St

Proposed Utility Easement

0 50
FEET

Wright Brothers Blvd - WB

VPI = +99.81
ELV = 872.45
L = 1100.00
K = 193

+2.99%

-2.71%

STA 916+00.00
EL 848.50 Begin WB Construction

STA 916+00.00
EL 841.30

-5.30% LT Ditch Grade

-3.28% LT Ditch Grade

LT +00
841.30

LT +00
836.00

STA 918+21.82
EL 832.00

LT +22
832.00

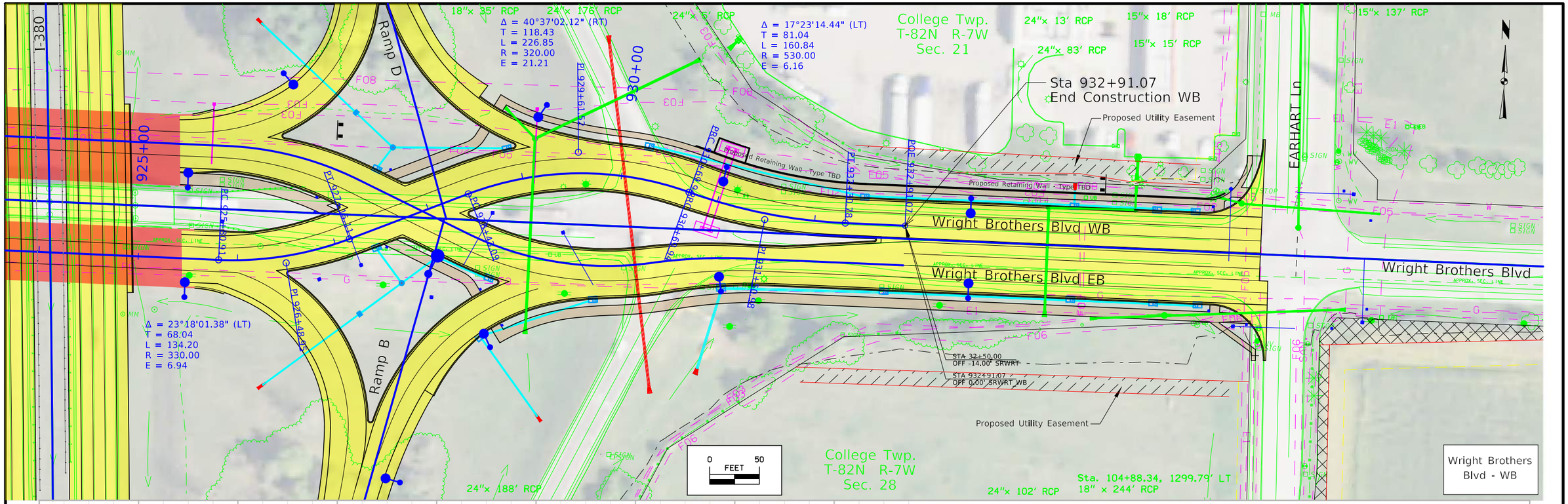
875
870
865
860
855
850
845
840
835
830

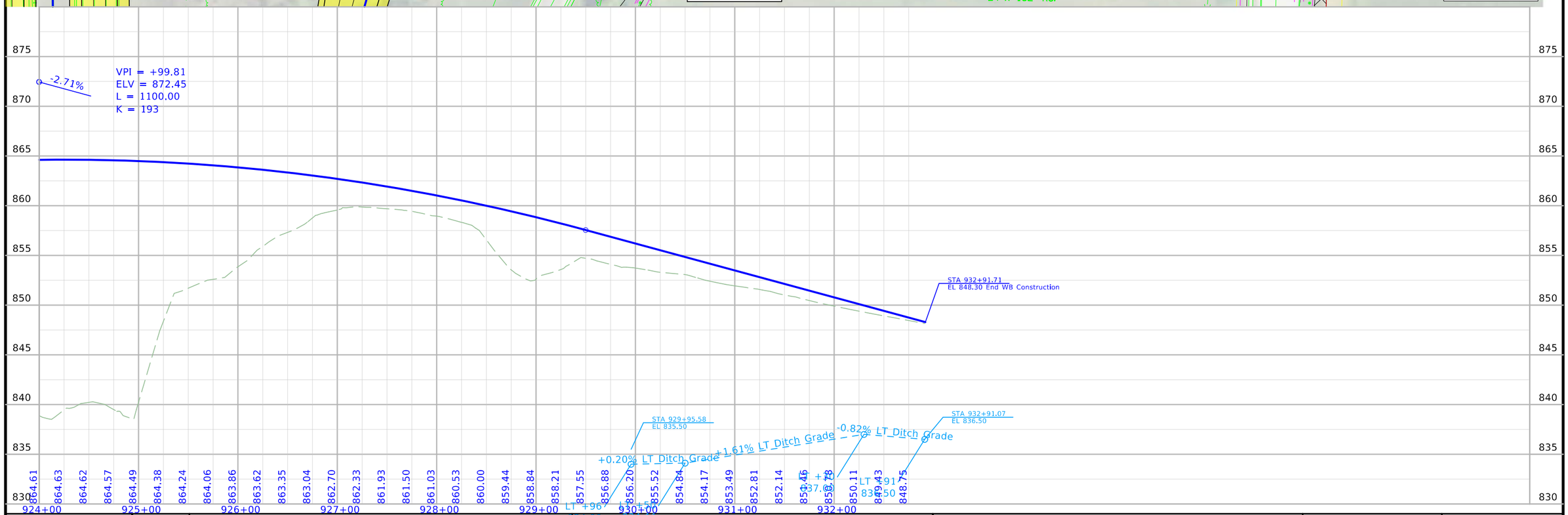
909+00 910+00 911+00 912+00 913+00 914+00 915+00 916+00 917+00 918+00 919+00 920+00 921+00 922+00 923+00

848.50 849.25 850.00 850.75 851.49 852.24 852.99 853.74 854.49 855.24 855.99 856.72 857.42 858.09 858.72 859.32 859.89 860.43 860.94 861.41 861.85 862.26 862.63 862.98 863.29 863.57 863.81 864.03 864.21 864.36 864.47 864.56

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER E.6

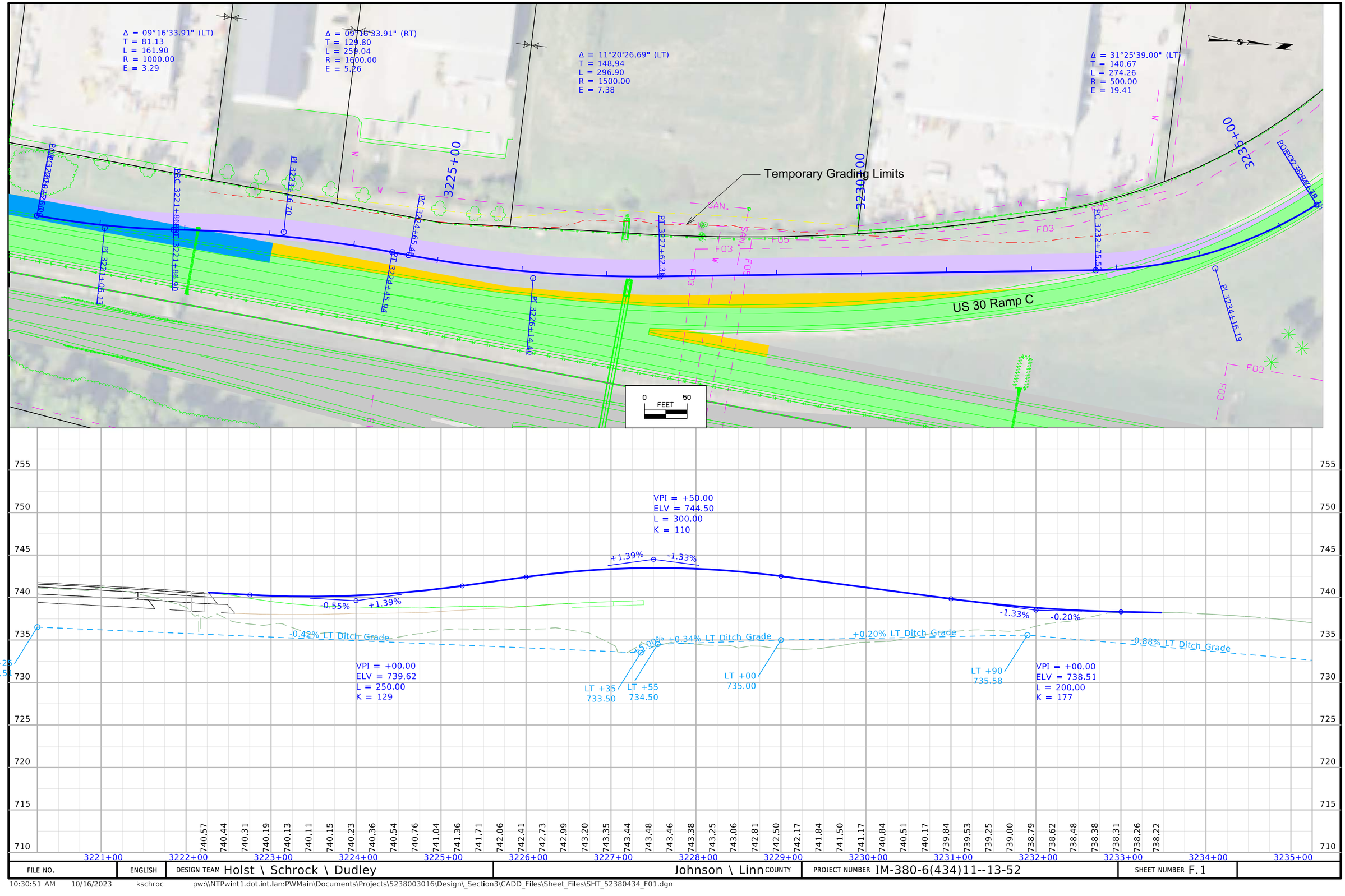
10:19:00 AM 11/7/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_E06.dgn





FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER E.7

10:19:08 AM 11/7/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_E06.dgn



FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER F.1

10:30:51 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_F01.dgn

Linn County
IM-380-6(434)12—13-57
I-380 North Section Survey
South of US 30
PIN 16-52-380-030-03
Sap-9552

Party Personnel

Jody Budde- PLS
Wes Shimp- PLS
Jon Miranda- Geospatial Lead Tech
Ben Sullivan- Geospatial Lead Tech
Matt Svec- Party Chief
Lee Budde- Party Chief
Aaron Paulsen- Party Chief
Katerina Wyatt- Assistant Survey Party Chief
Levi Suhr- Assistant Survey Party Chief

Date(s) of Survey

Begin Date	09/20/2021
End Date	02/01/2022

General Information

Measurement units for this survey are US survey feet. This survey is for the preliminary design for the section of approximately 5 miles of US Interstate 380 from the intersection of US Highway 30 and runs southerly to the intersection of 120th Street NW. Project datum and control information is provided by Design Survey Office. This project is a Partial DTM with Photo control. Project horizontal datum is NAD83 (2011), Iowa RCS Zone 10 (Cedar Rapids).

Vertical Control

Vertical datum for this survey is relative to NAVD88 (computed using Geoid18) for the 2021 new FENOs, FENO #100-103. This survey consisted of observing four new FENO 1-meter rod monuments using minimum 2hr initial static observations along with data from four Iowa RTN CORS sites: Marion (IAMN), Norwalk (IANW), Williamsburg (IAWM) and Coralville (IACI). The published Ellipsoidal heights for the four Iowa RTN stations were held for the vertical adjustment portion of this survey using as-published RTN positions by the Iowa DOT dated August 6, 2021.

Additionally, 11 local existing monuments consisting of existing Iowa DOT FENOs and other local NGS and Linn County passive marks with published NAVD88 elevations were observed and used that are located in proximity to the I-380 project corridor area:

Linn County GPS 6; Eight existing Iowa DOT FENO monuments FENO 68 – 74, NGS BMs GSVS 202 and GSVS 203:

Linn County GPS 6 has a published Elv of: 860.54 usft

DOT FENO 68 has a published Elv of: 811.69 usft

DOT FENO 69 has a published Elv of: 769.93 usft

DOT FENO 70 has a published Elv of: 842.73 usft

DOT FENO 71 has a published Elv of: 795.39 usft

DOT FENO 72 has a published Elv of: 843.96 usft

DOT FENO 73 has a published Elv of: 836.66 usft

DOT FENO 74 has a published Elv of: 758.17 usft

NGS BM GSVS 202 has a published Elv of: 728.21 usft

NGS BM GSVS 203 has a published Elv of: 777.20 usft

The final vertical adjustment results show standard deviations were less than 0.02 ft. at 95% confidence level (2 sigma) for the new FENO monuments.

Horizontal Control

The project coordinate system for this survey is NAD83 (2011) Iowa RCS Zone 10 (Cedar Rapids), US survey feet. This survey control is relative to IaRTN reference stations. IaRTN Reference Station coordinates are relative to the National Reference Station network datum: NAD83 (2011) for Epoch 2010.00. Coordinates were determined by observing each mark for 120 minutes minimum.

For the January 2022 control survey FOTH added FENO monuments FENO 100, FENO 101, FENO 102 and FENO 103. Existing FENO monuments FENO 68 – FENO 74 were recovered and re-observed as part of this survey in addition existing Linn County GPS 6 and two NGS benchmark monuments: GSVS 202 and GSVS 203. Four Iowa RTN CORS stations were utilized for the horizontal adjustment portion of this survey.
The published horizontal geodetic positions for the four Iowa RTN stations were held for the horizontal adjustment portion of this survey using as-published RTN positions by the Iowa DOT dated August 6, 2021. The published positions of the existing Iowa DOT

FENOs and GPS 6 were also confirmed and held fixed for the final horizontal constrained adjustment of the four new FENOs established.

The horizontal standard deviation of these adjusted observations was 0.02 ft. or less at 95% confidence level (2 sigma).

PROJECT CONTROL COORDINATE LISTING

PT NUM	NORTHING	EASTING	ELEVATION	DESCRIPTION
FENO 100	8036457.87	20499476.04	720.77	FENO SET FENO TYPE MONUMENT FLUSH WITH THE GROUND. 11 FT FROM THE FENCE TO THE EAST. 186 FT FROM ELECTRONIC BOARD SIGN BASE TO THE NORTHEAST. 97 FT FROM EDGE OF PAVEMENT TO THE WEST
FENO 101	8020978.61	20497313.39	838.21	FENO SET FENO TYPE MONUMENT FLUSH WITH THE GROUND. 23 FT FROM LUM TO THE SOUTHWEST. 20 FT FROM MH LID TO THE SOUTHEAST. 57 FT FROM TRAFFIC SIGNAL POST TO THE EAST-SOUTHEAST.
FENO 102	8020962.13	20502649.78	834.83	FENO SET FENO TYPE MONUMNET FLUSH WITH THE GROUND. 97 FT FROM EDGE OF ROAD TO THE SOUTH. 123 FT FROM STOP LINE BAR BEND TO THE SOUTHEAST. 192 FT FROM PP OPPOSITE KIRKWOOD BLVD SW RD TO THE EAST.
FENO 103	8009245.28	20499600.56	857.12	FENO SET FENO TYPE MONUMENT FLUSH WITH THE GROUND. 75 FT FROM EDGE OF PAVEMENT TO EAST. 86 FT FROM MM 116 SIGN TO SOUTHWEST. 75 FT FROM FENCE CORNER TO SOUTHEAST.
BM 202	8033999.95	20499656.32	728.21	BM NGS BM GSVS 202
BM 203	8032442.01	20503016.24	777.2	BM NGS BM GSVS 203
Linn Co GPS 6	8022154.94	20488934.27	860.54	CP Existing County GPS Rod Driven Mon
FENO 68	8005079.74	20499659.18	811.69	FENO Existing DOT FENO
FENO 69	8005647.81	20497463.82	769.93	FENO Existing DOT FENO
FENO 70	8011658.6	20498935.36	842.73	FENO Existing DOT FENO
FENO 71	8015211.15	20498862.12	795.39	FENO Existing DOT FENO
FENO 72	8020659.83	20498626.28	843.96	FENO Existing DOT FENO
FENO 73	8025964.31	20498701.06	836.66	FENO Existing DOT FENO
FENO 74	8031242.6	20499011.28	758.17	FENO Existing DOT FENO

Alignment Information

The horizontal alignment for this survey is a retrace of As-built Plans No. I-IG-380-6(20)247—04-52, I-380-6(9)255—01-57, I-IG-380-6(33)258—04-57, and STP-U-1187(687)—70-57. Survey stationing was equated to the plan POT at STA 1787+28.96 at the Linn-Johnson county line and run back and ahead throughout the survey.

Mainline (I380) Survey stationing relates to as built plan stationing as follows:

POB PT Sta. 1690+51.33 As-built Plans Project No. I-IG-380-6(20)247—04-52
Survey PT Sta. 1690+51.33

PI Sta. 1739+21.86 As-built Plans Project No. I-IG-380-6(20)247—04-52
Survey PI Sta. 1739+20.91

Station Equation
As-built Plans PT Sta 1749+57.70 (Back) = PT Sta 1749+60.63 (Ahead)
Survey PT Sta 1749+56.90 (Back) = PT Sta 1749+61.91 (Ahead)
* As-built Plans Project No. I-IG-380-6(20)247—04-52

Station Equation
As-built Plans POT Sta 1787+28.96 (Back) = POT Sta 0+00 (Ahead)
Survey POT Sta 1787+28.96 (Back) = POT Sta 0+00 (Ahead)
*As-built Plans change to I-380-6(9)255—01-57

PI Sta. 53+20.57 As-built Plans Project No. I-380-6(9)255—01-57
Survey PI Sta. 53+20.80

PI Sta. 106+19.03 As-built Plans Project No. I-380-6(9)255—01-57
Survey PI Sta. 106+17.46

PI Sta. 162+80.08 As-built Plans Project No. I-380-6(9)255—01-57
Survey PI Sta. 162+80.76

Station Equation
As-built Plans PT Sta 173+23.02 (Back) = PT Sta 173+28.49 (Ahead)
Survey PT Sta 173+23.53 (Back) = PT Sta 173+28.49 (Ahead)
*As-built Plans change to I-IG-380-6(33)258—04-57

END POT Sta. 258+90.94 As-built Plans Project No. I-IG-380-6(33)258—04-57
Survey POT Sta. 258+92.74

Sideroad (Wright Bros Blvd) Survey stationing relates to as built plan stationing as follows:

POB Survey POT Sta. 2+01.43

Survey PI Sta. 5+15.74

PI Sta. 10+00.00 As-built Plans Project No. STP-U-1187(687)—70-57
Survey PI Sta. 10+00.00

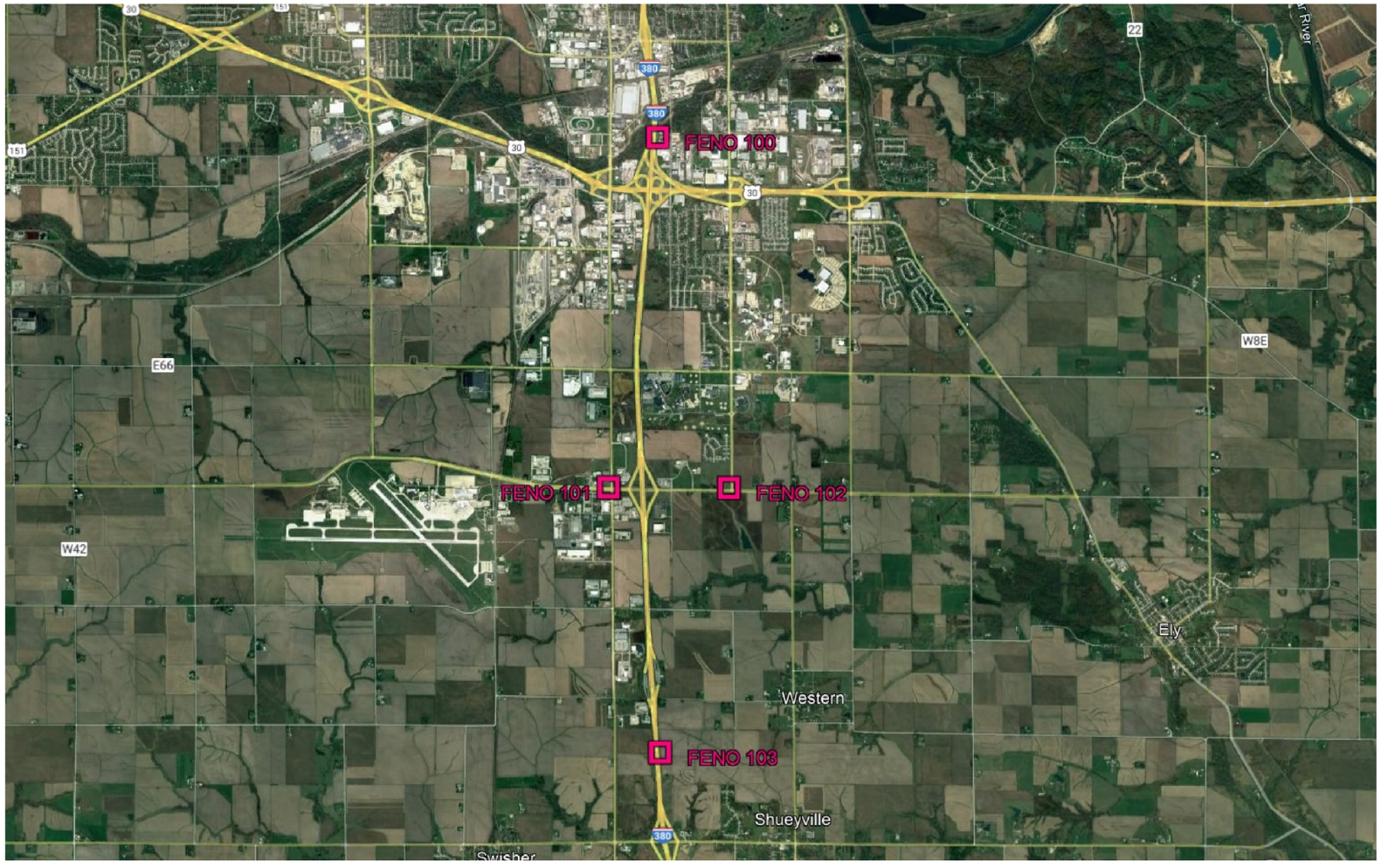
PI Sta. 31+03.29 As-built Plans Project No. STP-U-1187(687)—70-57
Survey PI Sta. 31+02.96

PI Sta. 36+43.86 As-built Plans Project No. STP-U-1187(687)—70-57
Survey PI Sta. 36+43.52

END PI Sta. 45+89.03 As-built Plans Project No. STP-U-1187(687)—70-57
Survey PI Sta. 45+88.77

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) EPOCH 2010.00 - Ia. RCS Zone 10
VERT. DATUM: NAVD88 - Geoid Model G018

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

HORIZONTAL AND VERTICAL PROJECT CONTROL COORDINATE LISTING

HORIZ. DATUM: NAD83(2011) EPOCH 2010.00
Ia. Regional Coordinate System Zone 10

VERT. DATUM: NAVD88
Geoid Model G018
Project Control Marks are Bench Marks

PT NUM	NORTHING	EASTING	ELEVATION	DESCRIPTION
FENO 100	8036457.87	20499476.04	720.77	FENO SET FENO TYPE MONUMENT FLUSH WITH THE GROUND. 11 FT FROM THE FENCE TO THE EAST. 186 FT FROM ELECTRONIC BOARD SIGN BASE TO THE NORTHEAST. 97 FT FROM EDGE OF PAVEMENT TO THE WEST
FENO 101	8020978.61	20497313.39	838.21	FENO SET FENO TYPE MONUMENT FLUSH WITH THE GROUND. 23 FT FROM LUM TO THE SOUTHWEST. 20 FT FROM MH LID TO THE SOUTHEAST. 57 FT FROM TRAFFIC SIGNAL POST TO THE EAST-SOUTHEAST.
FENO 102	8020962.13	20502649.78	834.83	FENO SET FENO TYPE MONUMNET FLUSH WITH THE GROUND. 97 FT FROM EDGE OF ROAD TO THE SOUTH. 123 FT FROM STOP LINE BAR BEND TO THE SOUTHEAST. 192 FT FROM PP OPPOSITE KIRKWOOD BLVD SW RD TO THE EAST.
FENO 103	8009245.28	20499600.56	857.12	FENO SET FENO TYPE MONUMENT FLUSH WITH THE GROUND. 75 FT FROM EDGE OF PAVEMENT TO EAST. 86 FT FROM MM 116 SIGN TO SOUTHWEST. 75 FT FROM FENCE CORNER TO SOUTHEAST.
BM 202	8033999.95	20499656.32	728.21	BM NGS BM GSVS 202
BM 203	8032442.01	20503016.24	777.2	BM NGS BM GSVS 203
Linn Co GPS 6	8022154.94	20488934.27	860.54	CP Existing County GPS Rod Driven Mon
FENO 68	8005079.74	20499659.18	811.69	FENO Existing DOT FENO
FENO 69	8005647.81	20497463.82	769.93	FENO Existing DOT FENO
FENO 70	8011658.6	20498935.36	842.73	FENO Existing DOT FENO
FENO 71	8015211.15	20498862.12	795.39	FENO Existing DOT FENO
FENO 72	8020659.83	20498626.28	843.96	FENO Existing DOT FENO
FENO 73	8025964.31	20498701.06	836.66	FENO Existing DOT FENO
FENO 74	8031242.6	20499011.28	758.17	FENO Existing DOT FENO

1

2612 REC LLC

1746+30
℄278'±Ex.R/W

1747+80
℄305'

1749+54
℄305'

1751+55
℄289'

1751+70
℄218'±Ex.R/W

Ramp A

1745+00

1750+00

1755+00

1760+00

1765+00

1770+00

I-380

Ramp D

EOP

1752+77
℄174'±Ex.R/W

1753+21
℄182'

1754+96
℄168'

1755+40
℄150'±Ex.R/W

1758+60
℄150'±Ex.R/W

1759+14
℄160'

1759+81
℄160'

1759+81
℄150'±Ex.R/W

1760+87
℄150'±Ex.R/W

1761+01
℄155'

1761+44
℄150'±Ex.R/W

1761+31
℄155'

1767+67
℄157'±Ex.R/W

1768+82
℄190'

1769+34
℄190'

1770+65
℄157'±Ex.R/W

3

BELVEDERE, INC.

4

KAREN K BODDICKER

0 100
FEET

Right of Way Design Information

THIS SHEET INCLUDED
FOR INFORMATION ONLY

ROW Team: FREDRICKSON / CUVA
ROW #: IMN-380-6(464)11--0E-52/
IMN-380-6(433)12--0E-57

Plan Date: 02/06/2023

Color Legend:

Property Lines
Temporary Easement
Permanent Acquisition

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER H.1	

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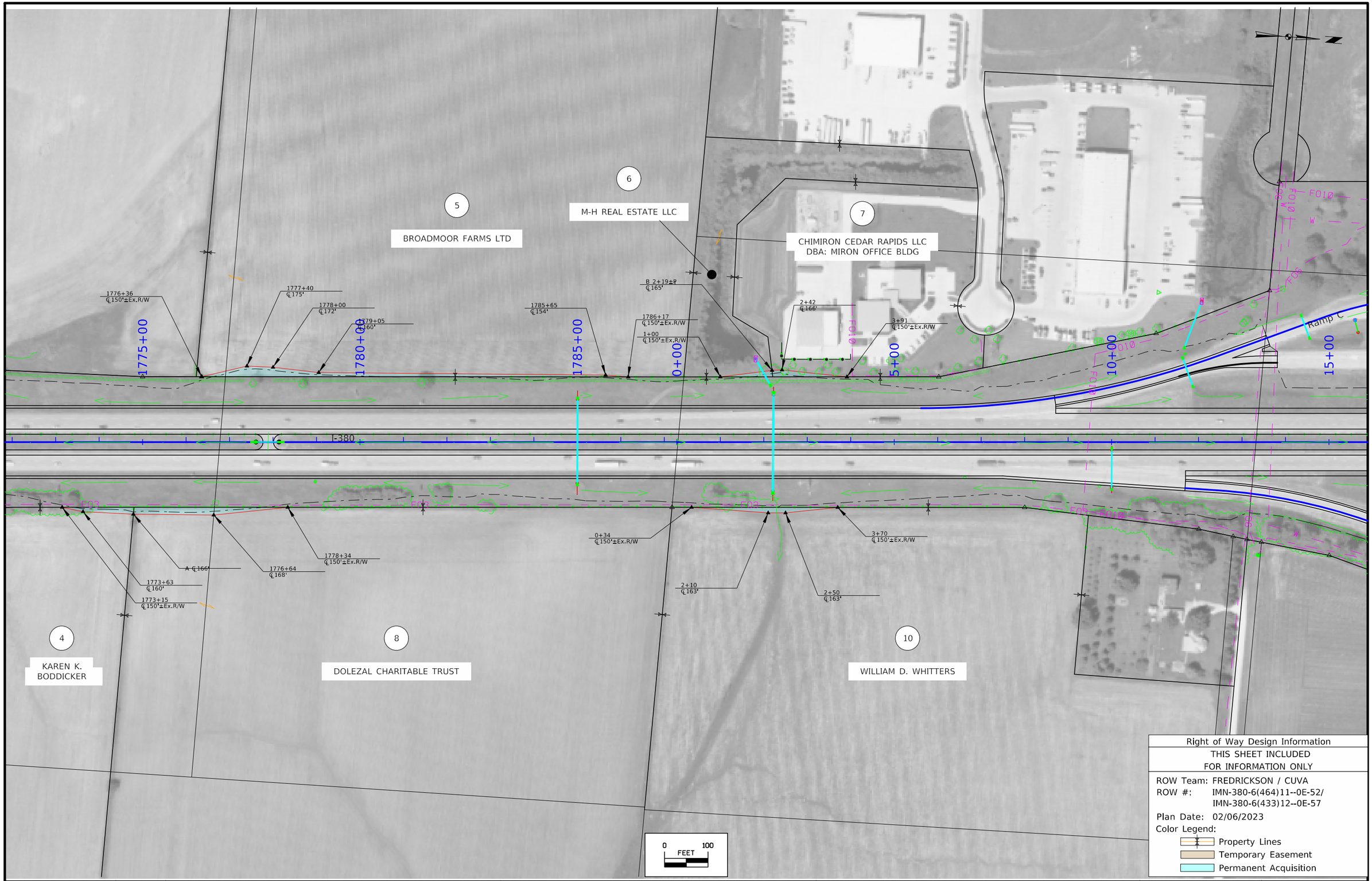

Right of Way Design Information

THIS SHEET INCLUDED
FOR INFORMATION ONLY

ROW Team: FREDRICKSON / CUVA
ROW #: IMN-380-6(464)11--0E-52/
IMN-380-6(433)12--0E-57
Plan Date: 02/06/2023
Color Legend:
Property Lines
Temporary Easement
Permanent Acquisition

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER H.2	

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11
TRIANGLE LOT LLC

12
THOMAS E. &
SANDRA K. LOWE

13
CEDAR RAPIDS REAL ESTATE, LLC

15
LELAND C. & DENISE M. VOTROUBEK

16
FH DEVELOPMENT LLC

16A
CID TRUCK TERMINAL LLC

18
LG DEVELOPMENT
CORPORATION

TEMPORARY EASEMENT FOR
CHANNEL SHAPING

TEMPORARY EASEMENT FOR
CHANNEL SHAPING

I-380

Watford Rd

49+80
℄202'

50+06±P
℄202'

50+75
℄202'

48+52
℄150'±Ex.R/W

48+58
℄155'

50+76
℄169'

50+98
℄188'

51+48
℄177'

52+06
℄150'±Ex.R/W

60+65
℄151'±Ex.R/W

60+80
℄171'

61+50
℄171'

62+13
℄149'±Ex.R/W

62+69
℄161'

62+85
℄158'

63+13
℄151'±Ex.R/W

65+61
℄151'±Ex.R/W

66+36±Sec.Line
℄156'

62+92
℄161'

63+35
℄149'±Ex.R/W

67+22
℄158'

67+50
℄151'±Ex.R/W

50+00 55+00 60+00 65+00 70+00 75+00

0 100
FEET

Right of Way Design Information

THIS SHEET INCLUDED
FOR INFORMATION ONLY

ROW Team: FREDRICKSON / CUVA
ROW #: IMN-380-6(464)11--0E-52/
IMN-380-6(433)12--0E-57
Plan Date: 02/06/2023
Color Legend:
Property Lines
Temporary Easement
Permanent Acquisition

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER H.3

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13

CEDAR RAPIDS REAL ESTATE, LLC

17

TATE DEVELOPMENT II LC

20

BOWLING STREET FLEX-SPACE LLC

College Twp.
T-82N R-7W
Sec. 28

College Twp.
T-82N R-7W
Sec. 28

77+70
℄150'±Ex.R/W

79+75±P
℄165'

79+75±P
℄173'

82+73
℄203'

84+82
℄209'

87+88
℄198'

88+67±P
℄185'

80+00

85+00

90+00

95+00

100+00

105+00

Ramp C

I-380

78+48
℄150'±Ex.R/W

82+56
℄198'

84+29±P
℄203'

84+90
℄203'

88+00
℄181'

90+35
℄182'±Ex.R/W

Ramp B

PROPOSED UTILITY CROSSING LOCATION
I-380 STA 103+00

PROPOSED UTILITY CROSSING LOCATION
I-380 STA 103+50

18

LG DEVELOPMENT CORPORATION

19

FOREFOLD REAL ESTATE I LLC

22

KBS IOWA REAL ESTATE, LLC

0 100
FEET

Right of Way Design Information
THIS SHEET INCLUDED
FOR INFORMATION ONLY

ROW Team: FREDRICKSON / CUVA
ROW #: IMN-380-6(464)11--0E-52/
IMN-380-6(433)12--0E-57
Plan Date: 02/06/2023
Color Legend:
Property Lines
Temporary Easement
Permanent Acquisition

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER H.4	

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15+00
20+00
25+00
30+00
110+00
115+00
120+00
125+00
130+00
135+00
I-380
Ramp A
Ramp D
Wright Brothers Blvd
SE 33rd St
Remove
PROPOSED UTILITY CROSSING LOCATION
I-380 STA 112+00
PROPOSED UTILITY CROSSING LOCATION
I-380 STA 112+50
PROPOSED UTILITY CROSSING LOCATION
I-380 STA 112+50
PROPOSED UTILITY CROSSING LOCATION
I-380 STA 112+00
21
TRUCK COUNTRY OF IOWA INC
26
380 COMMERCE PARK LLC
TEMPORARY EASEMENT
TO SHAPE
134+50 ℄216'
134+29 ℄181'
133+19 ℄216'
136+17 ℄150'±Ex.R/W
136+00 ℄159'
130+84 ℄150'±Ex.R/W
132+84±P ℄173'
119+59.59 ℄156'±Ex.R/W
122+45 ℄181'
127+00 ℄160'±Ex.R/W
131+55 ℄172'±Ex.R/W
132+55±P ℄182'
133+65 ℄186'
133+75 ℄207'
134+50 ℄207
134+60 ℄192'
136+20 ℄163'
136+41 ℄151'±Ex.R/W
25
BEAR CREEK PROPERTIES LLC
28
COLLEGE COMMUNITY SCHOOL DIST
23
CAM-PL CEDAR RAPIDS LLC
0 100 FEET

Right of Way Design Information
THIS SHEET INCLUDED
FOR INFORMATION ONLY

ROW Team: FREDRICKSON / CUVA
ROW #: IMN-380-6(464)11--0E-52/
IMN-380-6(433)12--0E-57
Plan Date: 02/06/2023
Color Legend:
Property Lines
Temporary Easement
Permanent Acquisition

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER H.5	

1:45:14 PM 7/18/2023 afredri pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\ROW\IMN-380-6(433)12--0E-57\ROW_57380433.dgn

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26

380 COMMERCE PARK LLC

27

RCS- CEDAR RAPIDS FACILITIES LLC
DBA: BAE SYSTEMS

29

DOLEZAL CHARITABLE TRUST

28

COLLEGE COMMUNITY SCHOOL DIST

136+00
℄156'

136+17
℄150'±Ex.R/W

136+41
℄151'±Ex.R/W

136+20
℄163'

140+00

145+00

150+00

152+83
℄160'

152+34.26
℄150'±Ex.R/W

155+00

158+23±Ex.R/W
℄164'

160+00

163+34
℄174'

162+95
℄166'±Ex.R/W

165+00

76TH Ave

I-380

0 100 FEET

Right of Way Design Information

THIS SHEET INCLUDED
FOR INFORMATION ONLY

ROW Team: FREDRICKSON / CUVA
ROW #: IMN-380-6(464)11--0E-52/
IMN-380-6(433)12--0E-57

Plan Date: 02/06/2023

Color Legend:

Property Lines
Temporary Easement
Permanent Acquisition

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER H.6	

11:40:48 AM 2/15/2023 afredri pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\ROW\IMN-380-6(433)12--0E-57\ROW_57380433.dgn

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29

DOLEZAL CHARITABLE TRUST

30

I-380 FLEX-SPACE LLC
DBA: IOWA BEARING / METAL
SUPER MARKET / SPEC BLDG

31

T & C ENTERPRISES LLC
DBA: DRAGON'S LAIR LASER LLC

32

POWELL PROPERTIES LLC
DBA: OVERHEAD DOORS

171+43
℄174'

171+82
℄165'±Ex.R/W

182+05
℄204'

181+82
℄183'±Ex.R/W

182+33
℄181'±Ex.R/W

193+81
℄234'±Ex.R/W

193+27
℄236'

192+61±P
℄228'

192+35
℄226'

192+10
℄221'±Ex.R/W

195+00±P
℄245'

196+78
℄282'

170+00

175+00

180+00

185+00

190+00

195+00

I-380

F03

F03

F03

F03

0 FEET 100

Right of Way Design Information

THIS SHEET INCLUDED
FOR INFORMATION ONLY

ROW Team: FREDRICKSON / CUVA
ROW #: IMN-380-6(464)11--0E-52/
IMN-380-6(433)12--0E-57
Plan Date: 02/06/2023
Color Legend:
Property Lines
Temporary Easement
Permanent Acquisition

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER H.7	

11:41:03 AM 2/15/2023 afredri pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\ROW\IMN-380-6(433)12--0E-57\ROW_57380433.dgn

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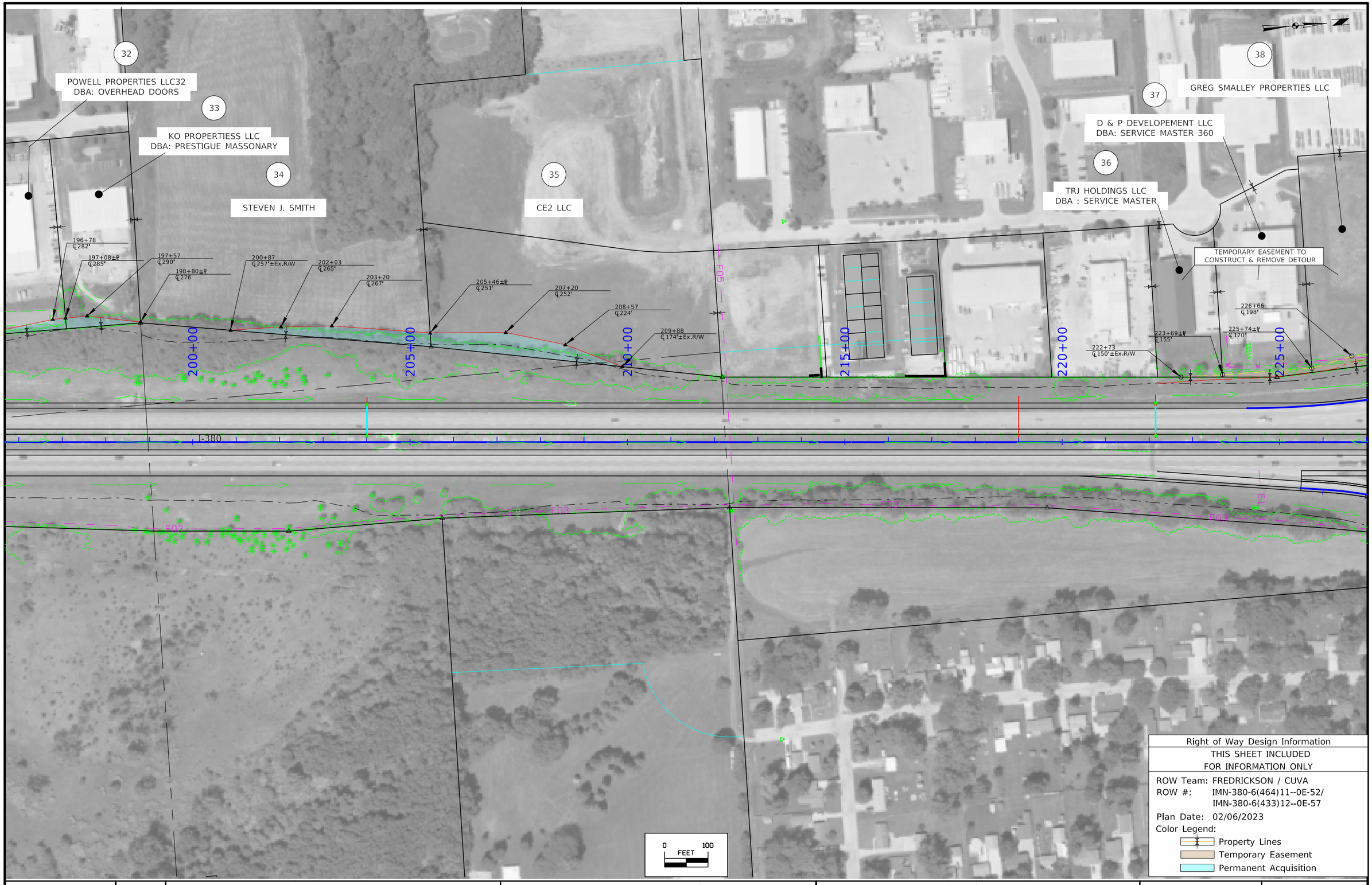

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER H.8	

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38

GREG SMALLEY PROPERTIES LLC

TEMPORARY EASEMENT TO CONSTRUCT & REMOVE DETOUR

228+58 ℄223'

225+74±P ℄170'

226+66 ℄198'

3230+00

3235+00

2230+00

2235+00

US HWY 30

230+00

235+00

240+00

245+00

250+00

255+00

I-380

0 FEET 100

Right of Way Design Information

THIS SHEET INCLUDED FOR INFORMATION ONLY

ROW Team: FREDRICKSON / CUVA

ROW #: IMN-380-6(464)11--0E-52/ IMN-380-6(433)12--0E-57

Plan Date: 02/06/2023

Color Legend:

Property Lines

Temporary Easement

Permanent Acquisition

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER H.9	

11:04:58 AM 9/6/2023 afredri pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\ROW\IMN-380-6(433)12--0E-57\ROW_57380433.dgn

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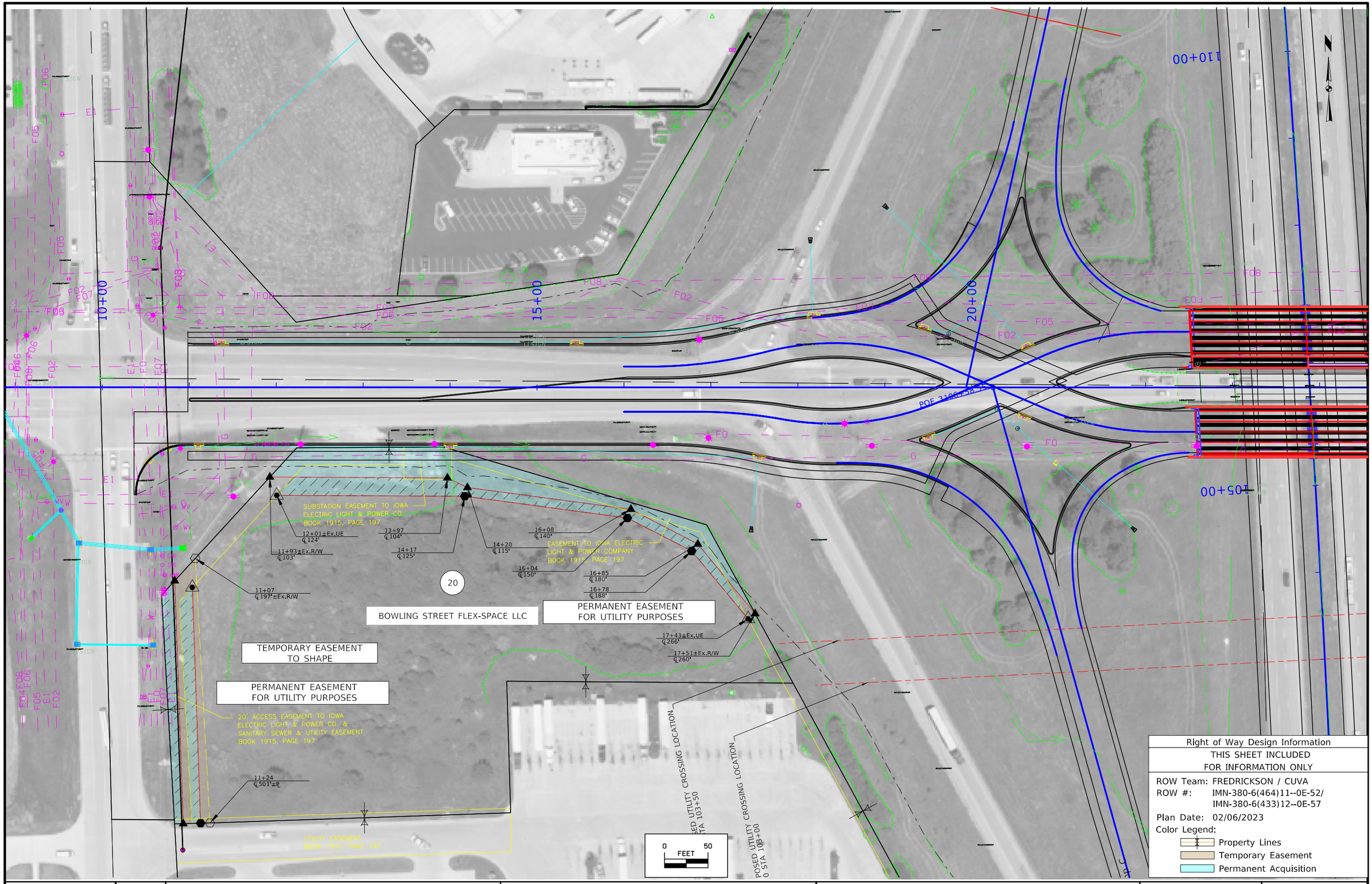

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER HE.1

9:00:20 AM 2/16/2023 afredri pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\ROW\IMN-380-6(433)12--0E-57\ROW_57380433.dgn

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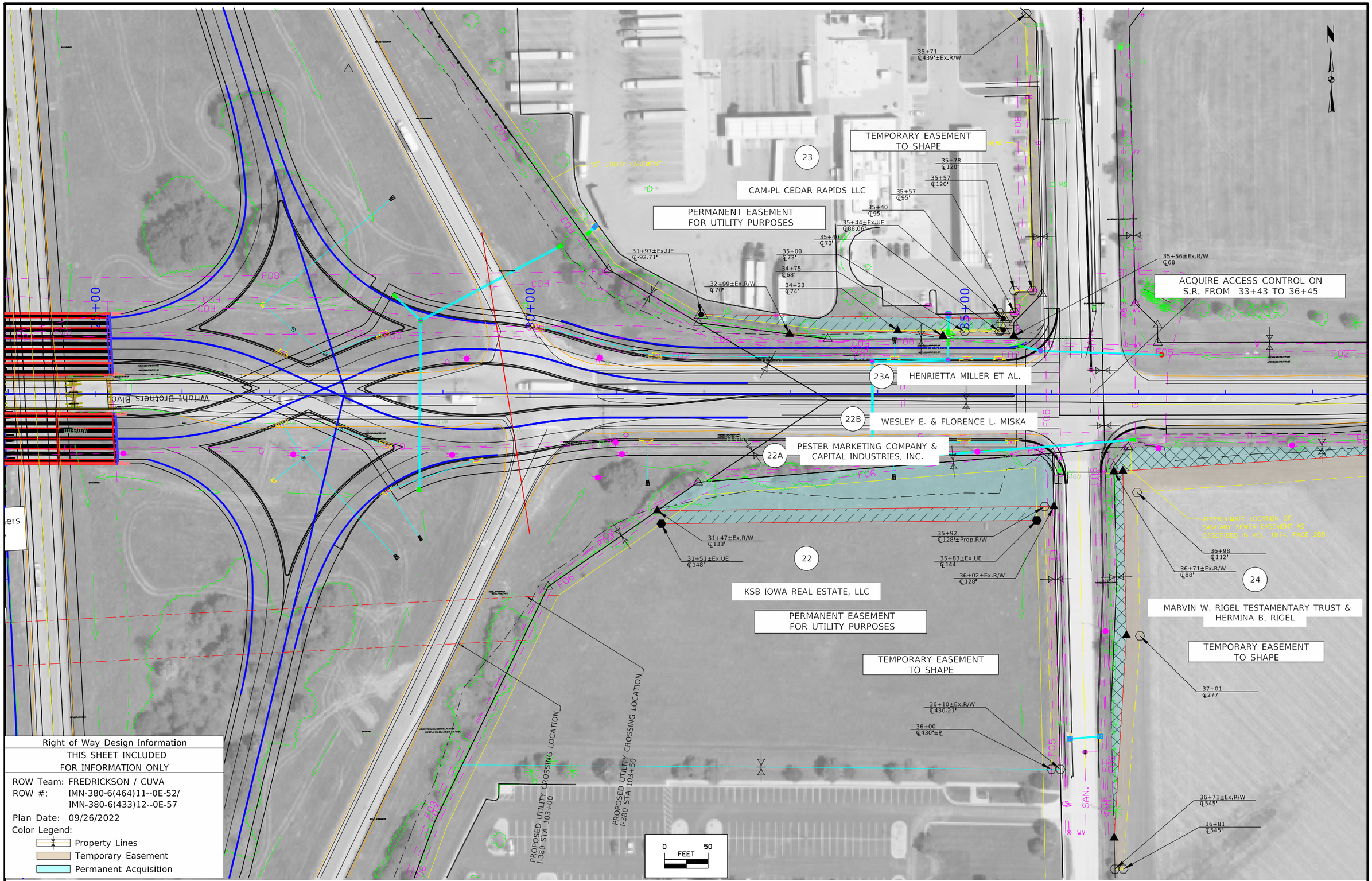

Right of Way Design Information

THIS SHEET INCLUDED FOR INFORMATION ONLY

ROW Team: FREDRICKSON / CUVA
ROW #: IMN-380-6(464)11--0E-52/ IMN-380-6(433)12--0E-57
Plan Date: 09/26/2022
Color Legend:
- Property Lines
- Temporary Easement
- Permanent Acquisition

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER HE.2

1:28:43 PM 8/29/2023 afredri pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\ROW\IMN-380-6(433)12--0E-57\ROW_57380433.dgn

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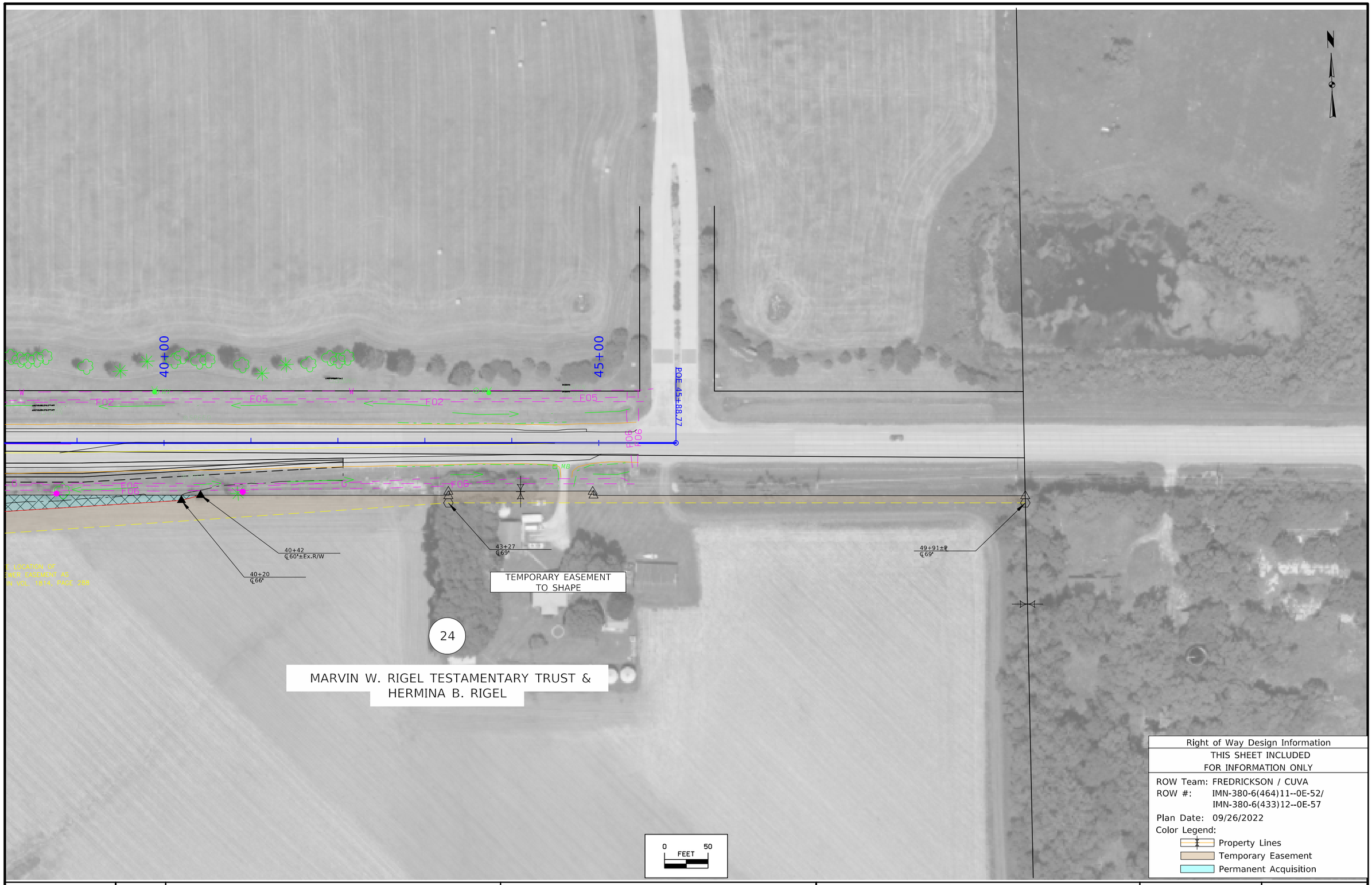

Right of Way Design Information

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FOR INFORMATION ONLY

ROW Team: FREDRICKSON / CUVA
ROW #: IMN-380-6(464)11--0E-52/
IMN-380-6(433)12--0E-57
Plan Date: 09/26/2022
Color Legend:
Property Lines
Temporary Easement
Permanent Acquisition

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER HE.3	

11:42:22 AM 2/15/2023 afredri pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\ROW\IMN-380-6(433)12--0E-57\ROW_57380433.dgn

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108-23A
08-01-08

TRAFFIC CONTROL PLAN

Traffic on all through lanes of I-380, 120th St., Wright Brothers Blvd., US 30 and adjacent side roads shall be maintained as indicated on the staging plans at all times except as noted below:

- I-380 under Wright Brothers Blvd. shall utilize a temporary detour using ramps (TC-454) during the placement of bridge beams and removal of the existing bridge over traffic lanes. This detour will be subject to times allowed in Tab 108-23B Traffic Control Closure Tables.

Traffic on all ramps and loops associated with the 120th St. Interchange, NB and SB rest areas, Wright Brothers Blvd. Interchange, and US 30 Interchange shall be maintained at all times except as noted below:

- I-380 SB exit ramp at 120th St. shall be closed for the reconstruction of the ramp.
- I-380 SB entrance ramp at US 30 shall be closed for the reconstruction of the ramp.
- I-380 NB exit ramp at US 30 shall be closed for the reconstruction of the ramp.
- US 30 WB to I-380 SB loop shall be closed for the construction of the add lane and mainline pavement.

Traffic at the Wright Brothers Blvd. intersections of 6th St. SW and the Wright Brothers Bld. interchange ramps shall be maintained by traffic signals.

Shoulder widths on all routes shall be 2’ minimum adjacent to TBR.
Shoulder widths on all routes shall be 3’ minimum when TBR is not present.

108-26A
08-01-08

STAGING NOTES

See Staging Sheets

CROSS SECTION VIEW COLOR LEGEND OF TRAFFIC CONTROL AND STAGING SHEETS

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

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

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

PLAN VIEW COLOR LEGEND OF TRAFFIC CONTROL AND STAGING SHEETS

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

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

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

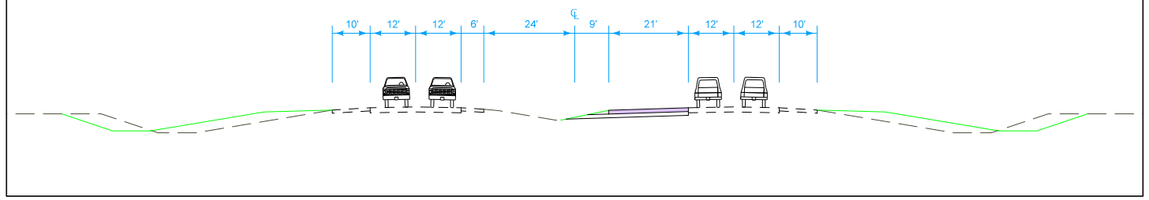
●	Channelizing Device		Crash Cushion (Temp or Perm)
✕	Drum		Traffic Signal
◘	Temporary Lane Separator		Flagger
◆	Tubular Marker		Temporary Floodlighting
♦	Channelizer Marker		Traffic Sign
△	Concrete Barrier Marker		Type III Barricade
⊰	Delineator		Type A Warning Light
———	Temporary Barrier Rail		Direction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

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

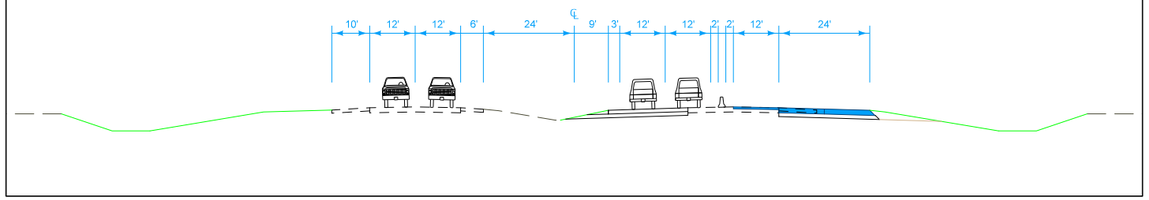
TRAFFIC CONTROL AND STAGING LEGEND AND SYMBOL INFORMATION SHEET

(COVERS SHEET SERIES J)

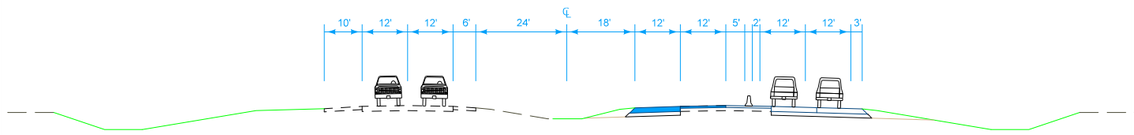
Stage 1



Stage 2



Stage 3



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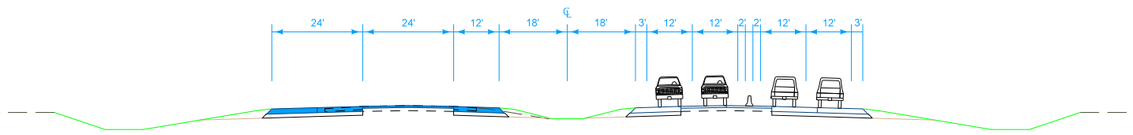
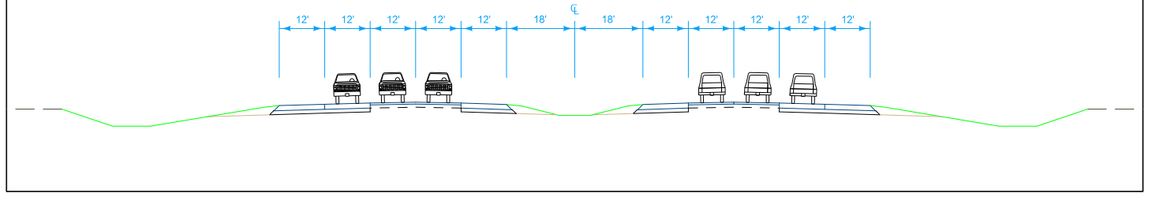


Stage 5

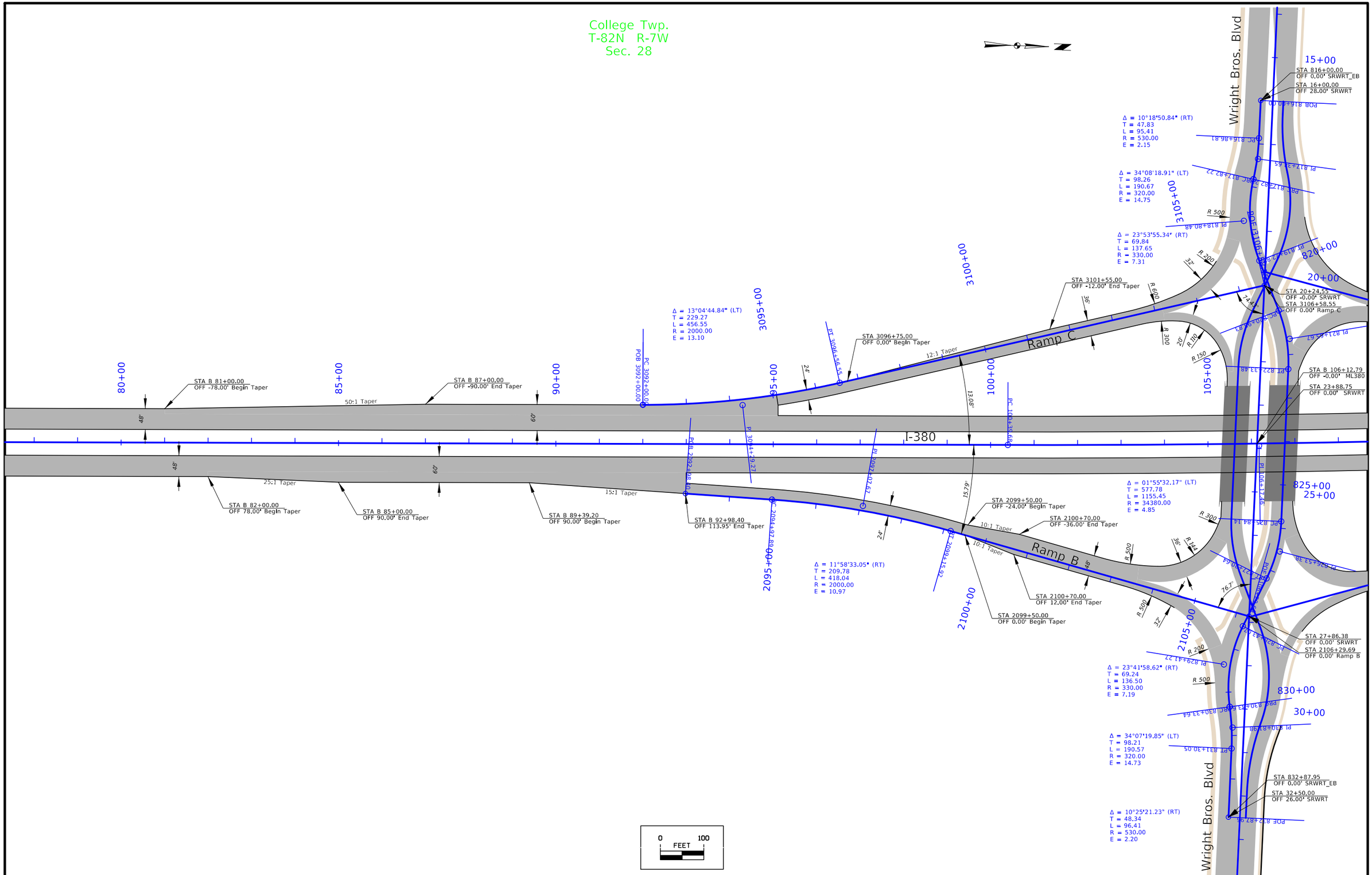


I-380 Staging

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER J.3	

1:01:55 PM 2/23/2022 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_J03.dgn

College Twp.
T-82N R-7W
Sec. 28



FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER K.1

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College Twp.
T-82N R-7W
Sec. 28

College Twp.
T-82N R-7W
Sec. 21

Wright Bros. Blvd

15+00

STA 16+00.00
OFF -24.00' SRWRT

STA 916+00.00
OFF 0.00' SRWRT_WB

Δ = 14°29'24.04" (LT)
T = 67.38
L = 134.04
R = 530.00
E = 4.27

POB 916+00.00
PC 916+30.00
PI 916+97.38

Δ = 37°35'28.70" (RT)
T = 108.91
L = 209.95
R = 320.00
E = 18.03

PRC 917+68.04
POE 917+87.04
PI 918+72.95

R 500'

STA 19+93.74
OFF 0.00' SRWRT

STA 1106+07.20
OFF 0.00' Ramp A

POB 1106+07.20
PI 920+29.99

Δ = 23°06'04.66" (LT)
T = 67.44
L = 133.05
R = 330.00
E = 6.82

32'
R 200'
R 500'

20+00

1110+00

77.61'

920+00

PRC 921+20.65
PI 921+68.65

36'
R 145'
R 500'

48'

1690+48

STA 1112+50.00
OFF -12.00' Begin Taper

STA 1113+70.00
OFF 0.00' End Taper

10:1 Taper

PC 1112+41.35

1115+00

Δ = 12°59'25.95" (LT)
T = 227.70
L = 453.46
R = 2000.00
E = 12.92

PT 1116+95.25

24'

1120+00

POE 1120+01.60

STA B 120+01.60
OFF -113.95' Begin Taper

15:1 Taper

STA B 123+60.80
OFF -90.00' End Taper

STA B 128+00.00
OFF -90.00' Begin Taper

25:1 Taper

STA B 131+00.00
OFF -78.00' End Taper

60'

48'

Ramp A

STA B 106+12.79
OFF -0.00' ML380

STA 23+88.75
OFF 0.00' SRWRT

PRC 922+34.26
PT 922+58.55

R 300'

STA 1112+50.00
OFF 36.00' Begin Taper

16.8'

STA 1113+70.00
OFF 24.00' End Taper

1690+48.00

PI 1114+69.55

I-380

PRC 1118+58.97

POE 1121+00.00

STA B 126+00.00
OFF 90.00' Begin Taper

50:1 Taper

STA B 132+00.00
OFF 78.00' End Taper

925+00

25+00

PI 925+13.05

R 200'

PC 925+80.91

PI 925+98.95

PRC 927+17.75

36'

24.28°

20'

R 224'

R 500'

133.3'

40:1 Taper

STA 4116+05.00
OFF 0.00' End Taper

PC 4116+35.85

24'

Δ = 13°17'48.40" (RT)
T = 233.12
L = 464.15
R = 2000.00
E = 13.54

Ramp D

STA 4111+25.00
OFF 12.00' Begin Taper

36'

R 500'

4120+00

4115+00

4110+00

STA 27+88.52
OFF 0.00' SRWRT

STA 4105+48.72
OFF -0.00' Ramp D

PRC 927+43.09

R 205'

PI 929+61.52

R 500'

930+00

30+00

Δ = 23°18'01.38" (LT)
T = 68.04
L = 134.20
R = 330.00
E = 6.94

PRC 930+59.98
POE 930+78.18
PI 931+50.98

Δ = 40°37'02.12" (RT)
T = 118.43
L = 226.85
R = 320.00
E = 21.21

Wright Bros. Blvd

PT 932+30.28

POE 932+91.07

Δ = 17°23'14.44" (LT)
T = 81.04
L = 160.84
R = 530.00
E = 6.16

STA 932+91.07
OFF 0.00' SRWRT_WB

STA 32+50.00
OFF -14.00' SRWRT

0 100
FEET

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER K.2

11:19:37 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_K01.dgn

Jefferson Twp.
T-82N R-7W
Sec. 9

Jefferson Twp.
T-82N R-7W
Sec. 4

Sta. 1741+96.47, 284.91 LT
24"RCP - 24"CMP x 264' RCP
D.A.=8 A-R

Sta. 1746+55.36
Skew 25° LT AH
24"x321' RCP
W/STUB FLUME
D.A.=5 A-R

Sta. 1750+70.63
30"x254' RCP
W/STUB FLUME
D.A.=12 A-R

POB 5736+83.51

5740+00

5745+00

5750+00

Δ = 19°50'12.99" (LT)
T = 279.78
L = 553.95
R = 1600.00
E = 24.28
e = ---
L = ---
x = ---

PC 5744+10.19

PT 5749+64.13

POE 5751+16.00

STA 5751+01.06
End Construction

STA 5744+10.19
Begin Construction

Ramp A

Ramp D

I-380

120TH St

FD6

FD3

FD2

0 100
FEET

120TH
RAMP A

830
820
810
800
790
780
770
760
Lt.
Rt.

STA 5744+10.19
EL 807.56 Begin Construction

STA 5751+01.07
EL 801.30 End Construction

-0.91%

-0.80%

VPI = +00.00
ELV = 803.13
L = 200.00
K = 1897

STA 5746+20.00
EL 784.16

-4.96% LT

-29.00% LT

-0.48% LT

STA 5748+20.00
EL 769.71

+0.19% LT

STA 5751+01.06
EL 770.25

STA 5748+70.00
EL 769.80

No Ditch — Ditch Grade

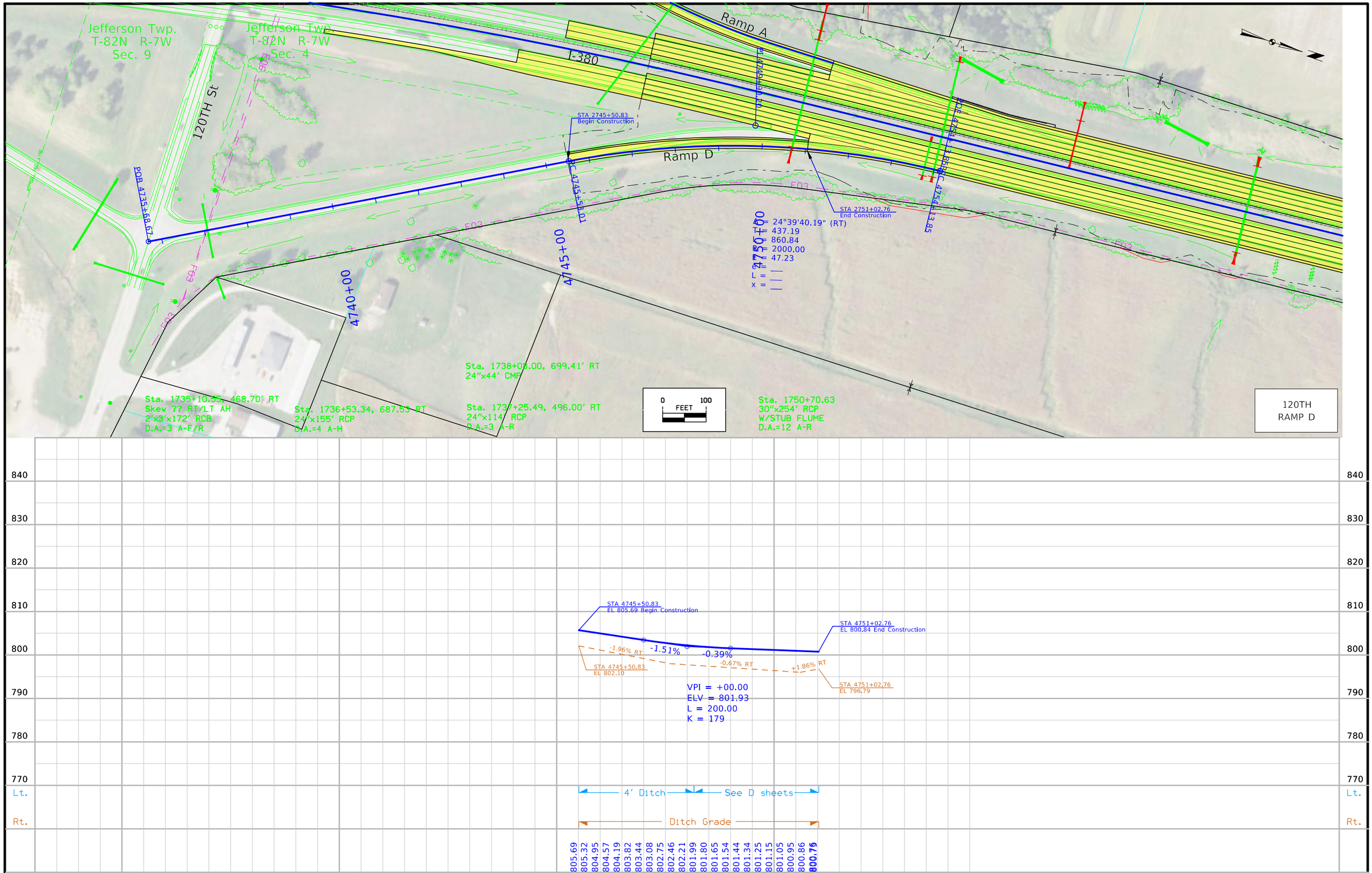
No Ditch — See D sheets

807.56
807.43
807.20
806.98
806.75
806.53
806.30
806.07
805.85
805.62
805.39
805.17
804.94
804.71
804.49
804.26
804.04
803.81
803.59
803.37
803.16
802.94
802.74
802.53
802.33
802.13
801.93
801.73
801.53

5735+00
5740+00
5745+00
5750+00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER K.3

11:20:08 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_K03.dgn



FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER K.4

11:20:18 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_K03.dgn

College Twp.
T-82N R-7W
Sec. 33

Sta. 29+32.29, 147.35' LT
Skew 30° LT AH
30"x71' RCP

Sta. 31+43.20, 141.58' LT
30"x28' RCP

Δ = 18°48'10.30" (RT)
T = 135.53
L = 268.63
R = 818.57
E = 11.14

Δ = 15°55'15.47" (LT)
T = 213.95
L = 425.15
R = 1530.00
E = 14.89
e = 6.0
L = 186
x = 62

1025+00

1030+00

POB 1022+27.91

PI 1023+63.45

PC 1022+27.91

PT 1024+96.54

PC 1027+61.01

STA 1027+61.01
Begin Construction

PT 1031+86.13

POE 1032+56.06

STA 1032+56.06
End Construction

PI 1028+74.96

Ramp A

SB Rest Area

I-380

Ramp D

F010

F06

F03

0 FEET 100

Rest Area
RAMP A

STA 1027+61.01
EL 837.99 Begin Construction

STA 1032+56.06
EL 831.00 End Construction

STA 1027+61.01
EL 834.50

-2.51% LT

-1.67% LT

-1.56%

-1.27%

-1.00% LT

-0.67% LT

STA 1032+56.06
EL 826.95

VPI = +00.00
ELV = 834.25
L = 200.00
K = 679

Ditch Grade

4' See D Sheets

837.99
837.77
837.38
836.99
836.59
836.20
835.81
835.43
835.05
834.68
834.32
833.97
833.63
833.30
832.98
832.66
832.34
832.03
831.71
831.39
831.07

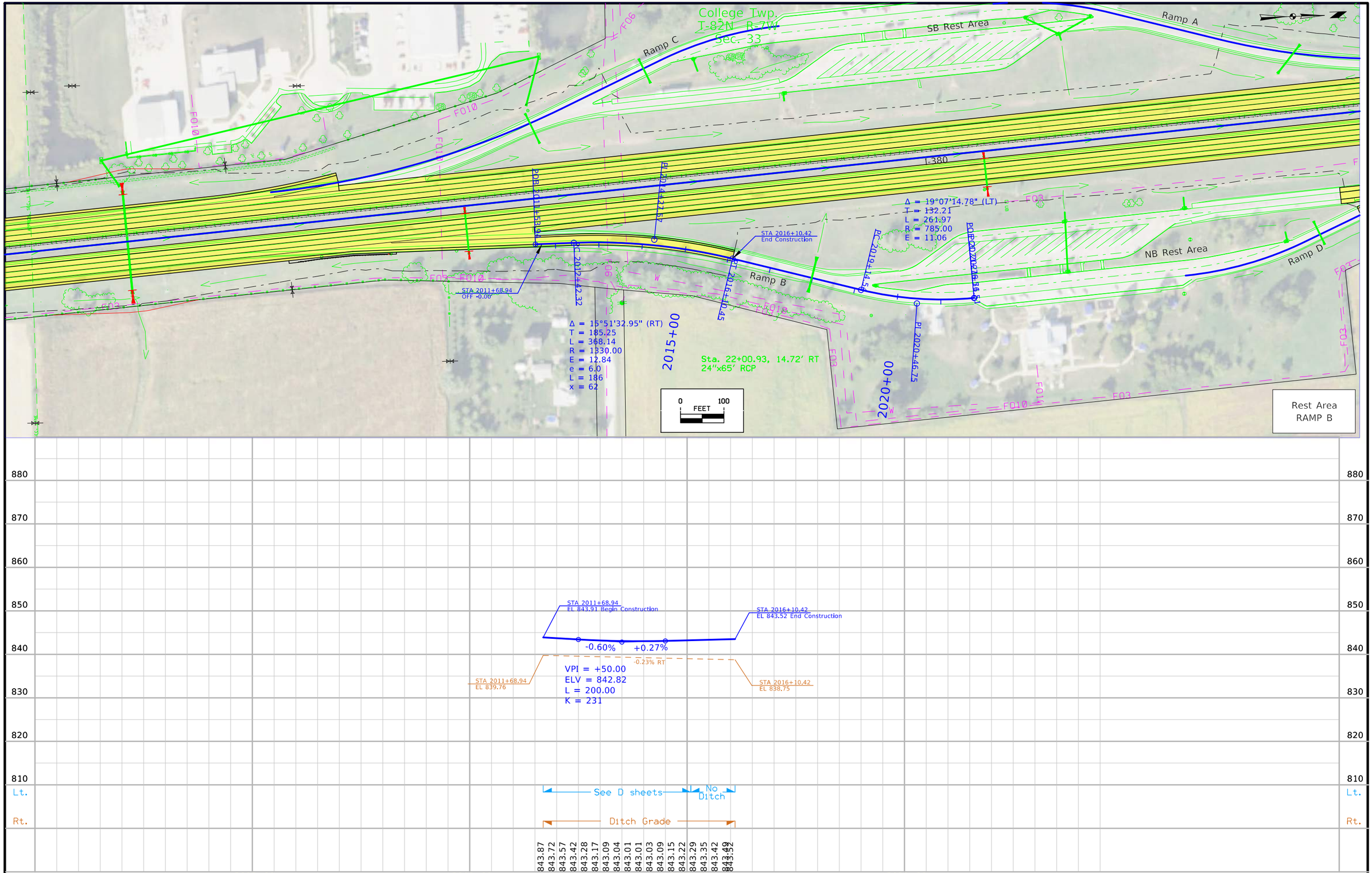
870
860
850
840
830
820
810
800

Lt.
Rt.

1015+00
1020+00
1025+00
1030+00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER K.5

11:20:41 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_K05.dgn



FILE NO.	ENGLISH	DESIGN TEAM	COUNTY	PROJECT NUMBER	SHEET NUMBER

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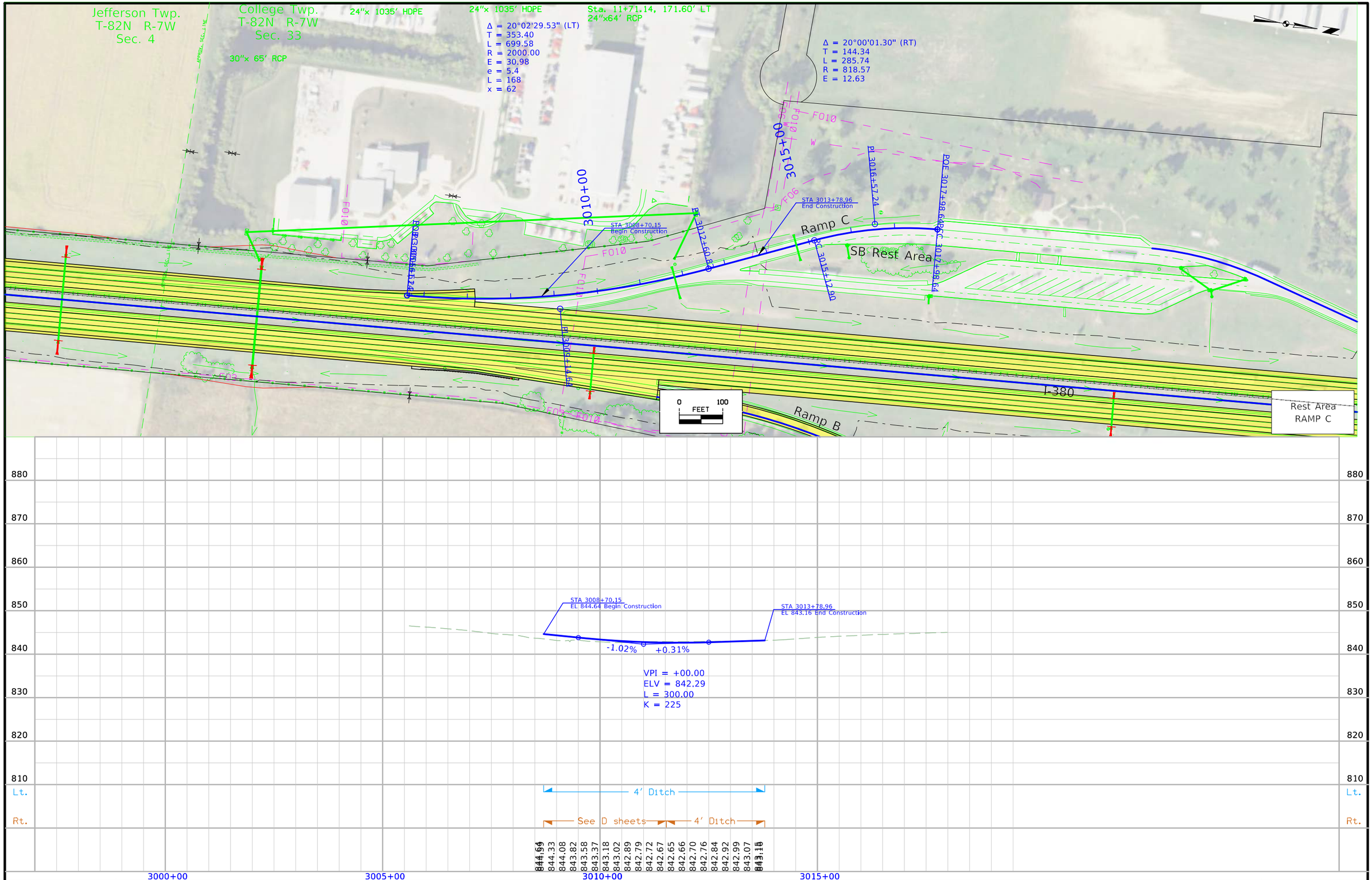

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER K.7

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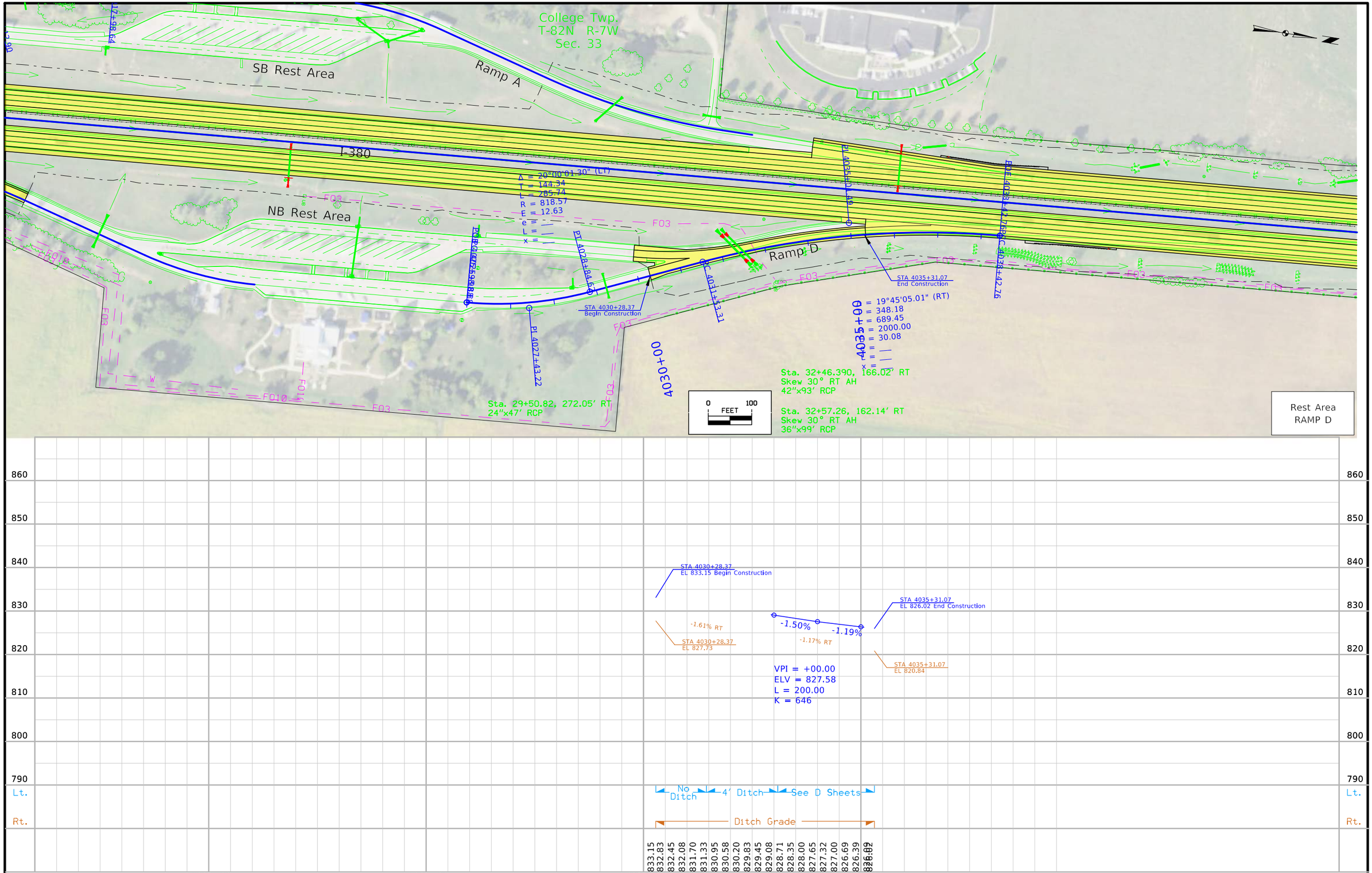

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER K.8

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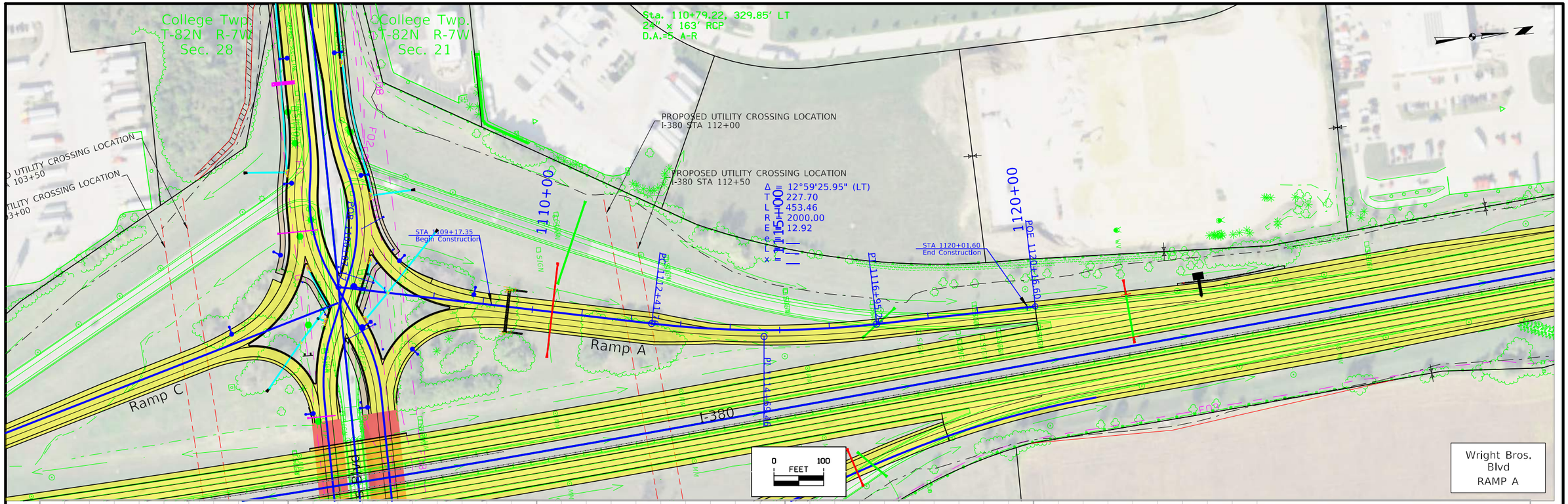

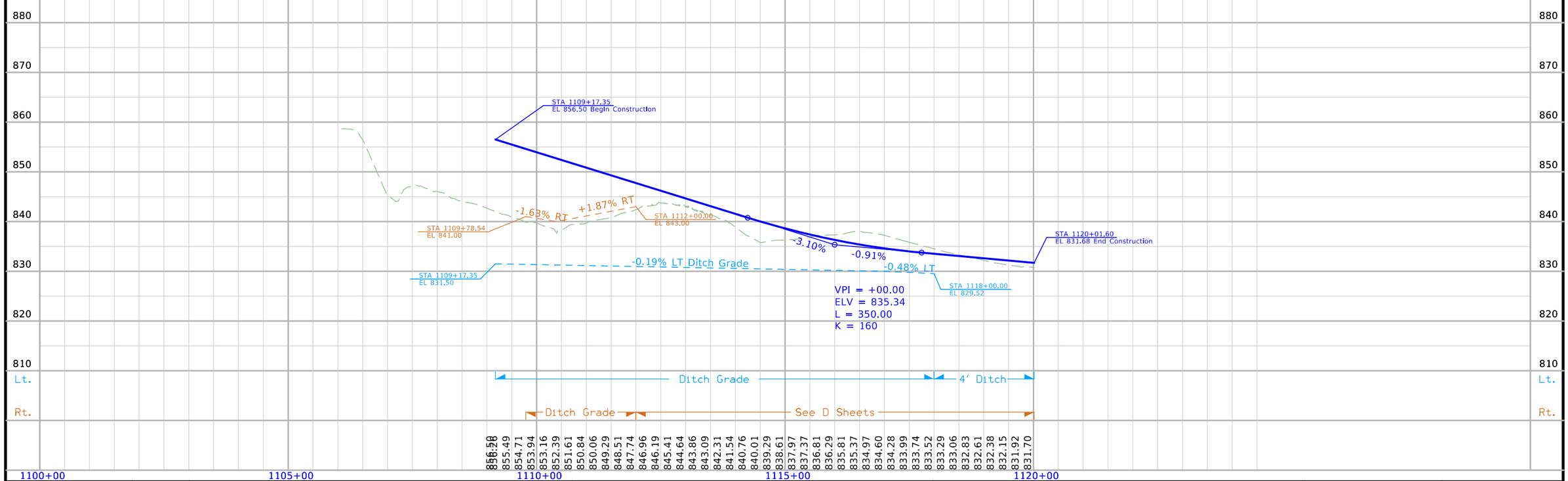

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER K.9

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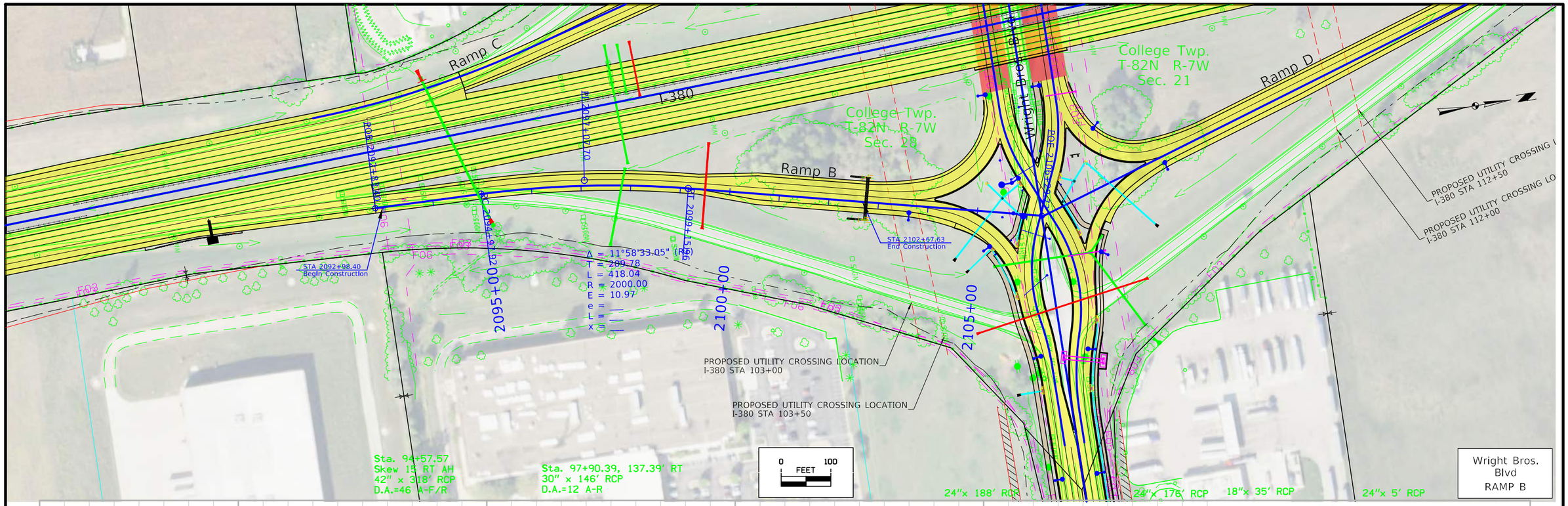

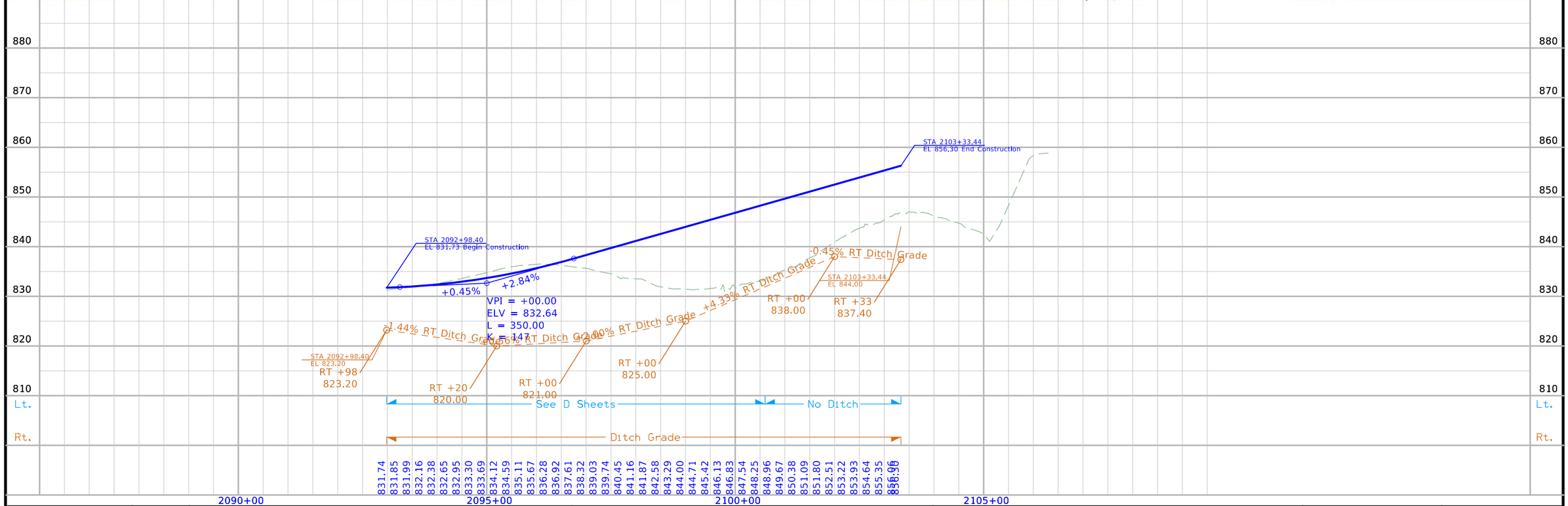

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER K.10

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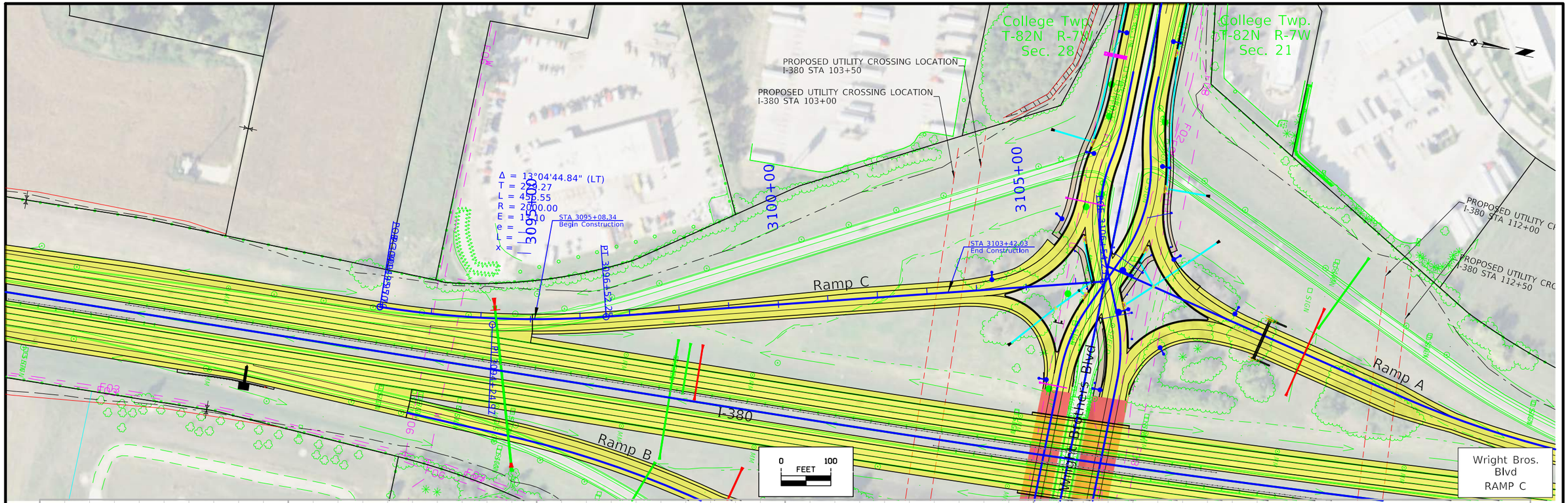

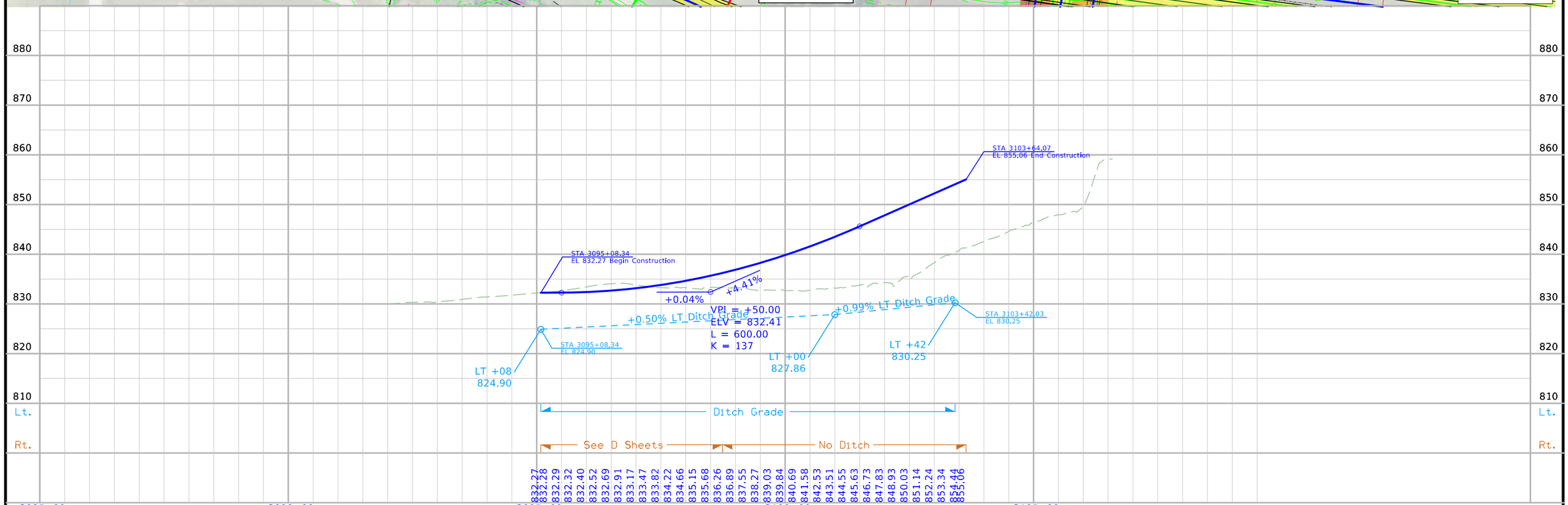

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER K.11

College Twp.
T-82N R-7W
Sec. 28

College Twp.
T-82N R-7W
Sec. 21

Ramp A

Ramp B

Ramp D

I-380

Wright Brothers Blvd

STA 4109+29.21
Begin Construction

STA 4117+91.66
End Construction

Δ = 13°17'48.45" (RT)
T = 233.12
L = 464.15
R = 2000.00
E = 13.54
e = ---
= ---
= ---

PROPOSED UTILITY CROSSING LOCATION
I-380 STA 103+00

PROPOSED UTILITY CROSSING LOCATION
I-380 STA 103+50

PROPOSED UTILITY CROSSING LOCATION
I-380 STA 112+50

PROPOSED UTILITY CROSSING LOCATION
I-380 STA 112+00

4110+00

4115+00

4120+00

0 100
FEET

18″x 35′ RCP

24″x 188′ RCP

24″x 176′ RCP

24″x 8′ RCP

Sta. 116+14.51, 114.83′ RT
Skew 18° RT AH
24″ x 65′ RCP
D.A.=4 A-F/R

Wright Bros.
Blvd
RAMP D

STA 4108+52.26
EL 856.20 Begin Construction

STA 4117+96.66
EL 832.99 End Construction

+3.00% RT Ditch Grade

1.64% RT Ditch Grade

-3.35%

-0.51%

-2.00% RT Ditch Grade

VPI = +00.00
ELV = 834.50
L = 500.00
K = 176

RT +52
834.95

RT +00
839.38

RT +00
829.52

RT +50
829.23

No Ditch

See D Sheets

Ditch Grade

4′ Ditch

856.20 855.44 854.60 853.76 852.93 852.09 851.25 850.41 849.58 848.74 847.90 847.06 846.23 845.39 844.55 843.71 842.88 842.06 841.27 840.52 839.81 839.13 838.49 837.88 837.31 836.78 836.28 835.81 835.38 834.99 834.63 834.31 834.02 833.77 833.55 833.37 833.23 833.10 832.99

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER K.12

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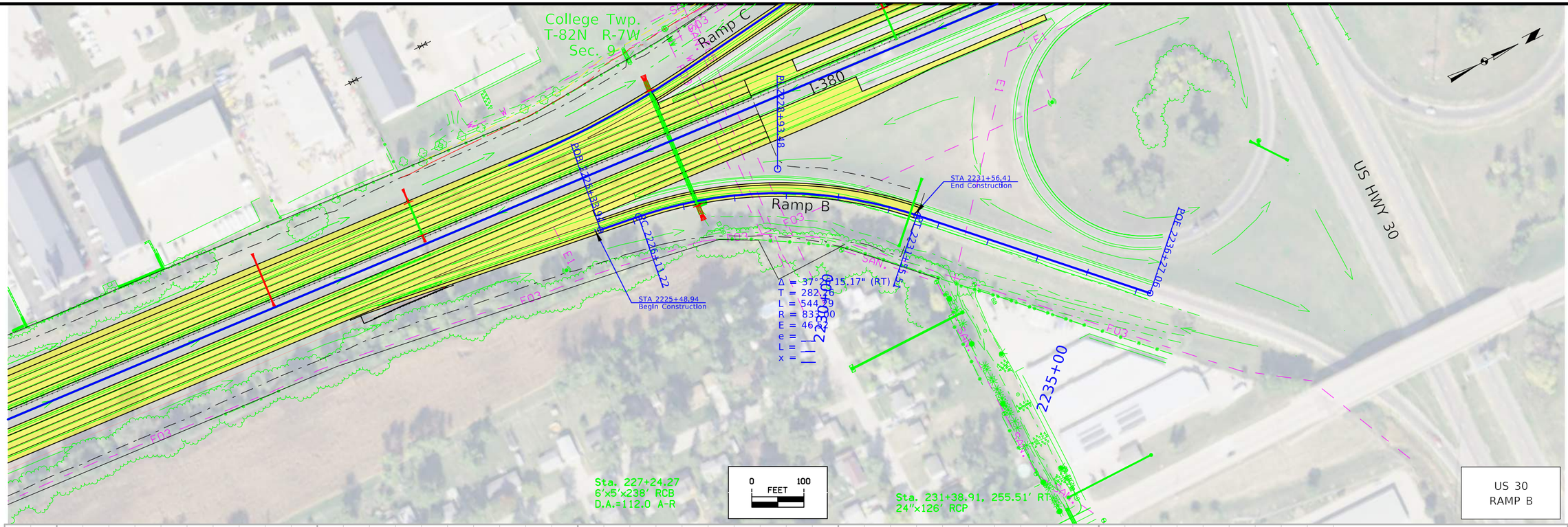
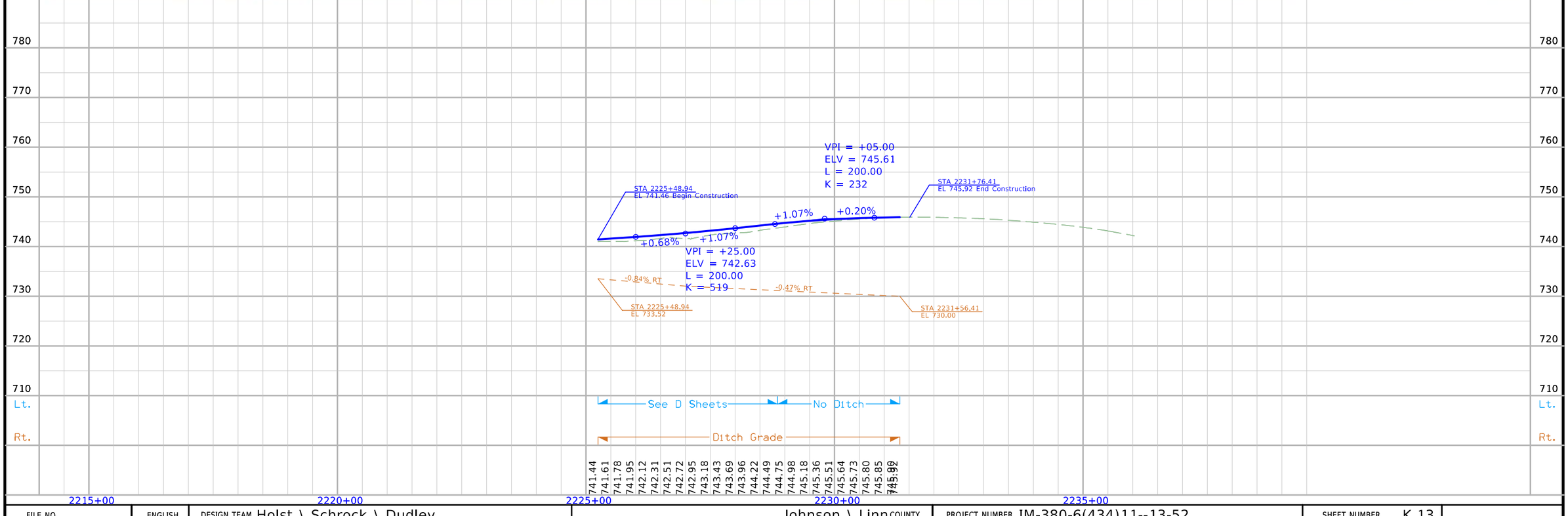




FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER K.13

11:23:14 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_K13.dgn

College Twp.
T-82N R-7W
Sec. 9

3225+00

Δ = 11°23'02.85" (LT)
T = 199.35
L = 397.38
R = 2000.00
E = 9.91
e = ---
L = ---
x = ---

POBC 3227+33.91

STA 3227+33.91
Begin Construction

PI 3227+17.26

3230+00

STA 3232+45.44
End Construction

PI 3231+28.88

Δ = 50°49'41.84" (LT)
T = 363.01
L = 677.76
R = 764.00
E = 81.85
e = ---
L = ---
x = ---

3235+00

POEC 3232+68.68

Ramp C

Ramp B

I-380

PI 3234+91.88

US HWY 30

0 100
FEET

US 30
RAMP C

780
770
760
750
740
730
720
710
Lt.
Rt.

VPI = +00.00
ELV = 744.54
L = 325.00
K = 153

STA 3227+33.91
EL 743.30 Begin Construction

+0.75%

-1.38%

STA 3232+45.00
EL 739.78 End Construction

+0.20% LT

STA 3227+33.91
EL 733.09

STA 3232+45.00
EL 734.10

Ditch Grade

See D Sheets

No Ditch

743.30
743.41
743.56
743.66
743.73
743.75
743.74
743.68
743.58
743.44
743.26
743.03
742.77
742.47
742.13
741.78
741.44
741.09
740.75
740.40
740.06
739.78

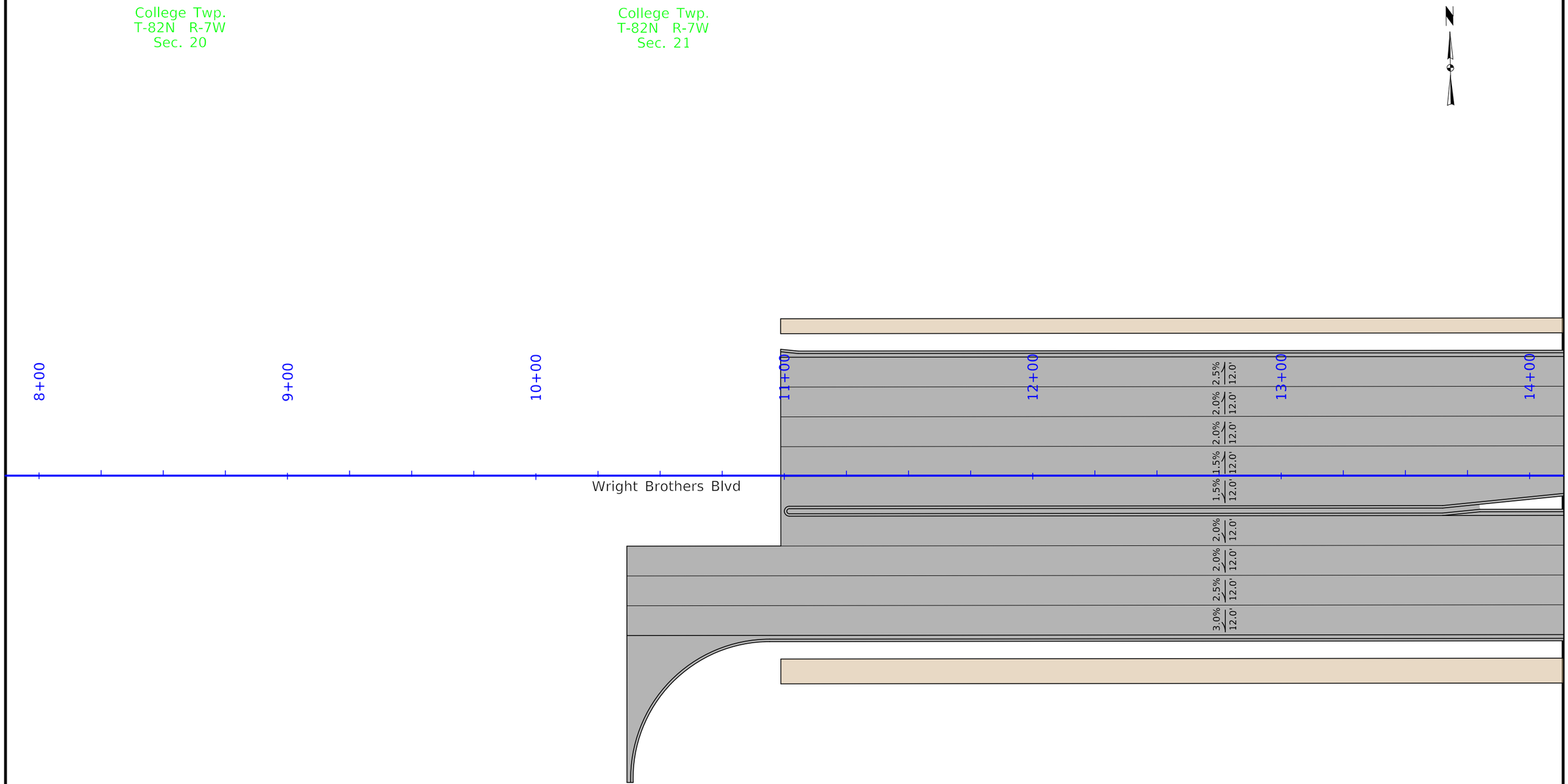
3215+00
3220+00
3225+00
3230+00
3235+00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER K.14

11:23:23 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_K13.dgn

College Twp.
T-82N R-7W
Sec. 20

College Twp.
T-82N R-7W
Sec. 21



College Twp.
T-82N R-7W
Sec. 29

0 20
FEET

College Twp.
T-82N R-7W
Sec. 28

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER L.1

11:38:15 AM 7/28/2022 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_L01.dgn

College Twp.
T-82N R-7W
Sec. 21

14+00
15+00
16+00
17+00
18+00
19+00
20+00

Wright Brothers Blvd

Ramp A

2.5% / 12.0'
2.0% / 12.0'
2.0% / 12.0'
2.0% / 12.0'
2.5% / 12.0'
3.0% / 12.0'
2.5% / 15.0'
2.0% / 15.0'
2.0% / 15.0'
2.0% / 15.0'
2.5% / 15.0'
3.0% / 15.0'
2.5% / 19.0'
2.0% / 19.0'
2.5% / 15.0'
2.0% / 15.0'
2.0% / 15.0'
2.0% / 15.0'
1.0% / 15.0'
1.0% / 15.0'
1.0% / 15.0'
1.0% / 15.0'
2.0% / 15.0'
2.0% / 15.0'
2.0% / 15.0'
2.0% / 15.0'
2.5% / 15.0'
2.5% / 15.0'
3.0% / 16.0'

0 FEET 20

College Twp.
T-82N R-7W
Sec. 28

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER L.2	

11:38:16 AM 7/28/2022 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_L01.dgn

College Twp.
T-82N R-7W
Sec. 21

I-380

Ramp A

Ramp C

Special Shaping

Special Shaping

Wright Brothers Blvd

20+00 21+00 22+00 23+00 24+00 25+00 26+00

Constant 3.0% Slope
Constant 2.5% Slope
Constant 2.0% Slope
Constant 2.0% Slope

Constant 2.0% Slope
Constant 2.0% Slope
Constant 2.5% Slope
Constant 3.0% Slope

0 FEET 20

College Twp.
T-82N R-7W
Sec. 28

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER L.3

11:38:17 AM 7/28/2022 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_L01.dgn

College Twp.
T-82N R-7W
Sec. 21

Ramp D

Ramp B

Special Shaping

Special Shaping

Wright Brothers Blvd

26+00

27+00

28+00

29+00

30+00

31+00

32+00

Uniform Transition

Constant 2.5% Slope

Constant 2.0% Slope

Constant 2.0% Slope

Constant 2.5% Slope

Constant 2.0% Slope

Constant 2.0% Slope

Constant 2.5% Slope

Constant 2.0% Slope

Constant 2.0% Slope

Constant 2.5% Slope

Constant 2.0% Slope

Constant 2.0% Slope

0 FEET 20

College Twp.
T-82N R-7W
Sec. 28

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER L.4

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College Twp.
T-82N R-7W
Sec. 21

32+00 33+00 34+00 35+00 36+00 37+00 38+00

Constant 2.5% Slope
Constant 2.0% Slope
Constant 2.0% Slope
Constant 1.5% Slope
Constant 2.0% Slope
Constant 2.0% Slope
Constant 2.5% Slope

2.5% 12.0' | 2.0% 12.0' | 2.0% 12.0' | 1.5% 12.0' | 2.0% 12.0' | 2.0% 12.0' | 2.5% 12.0'

Wright Brothers Blvd

2.0% 12.0'

Earhart Ln

0 20
FEET

College Twp.
T-82N R-7W
Sec. 28

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER L.5

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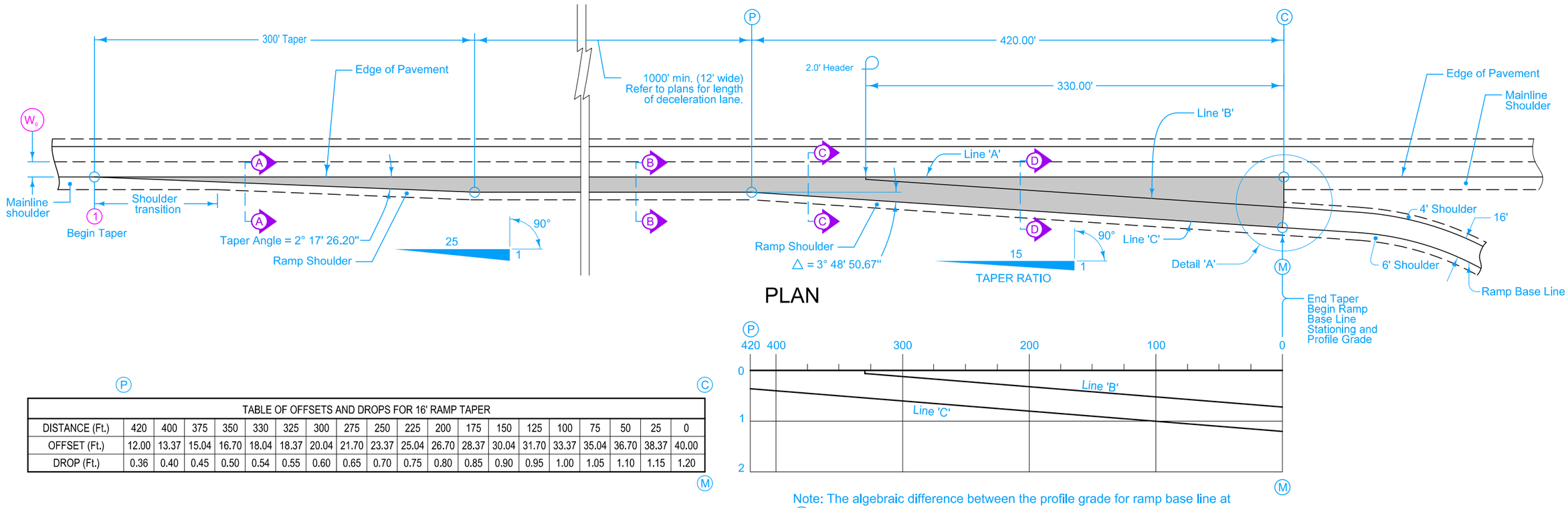
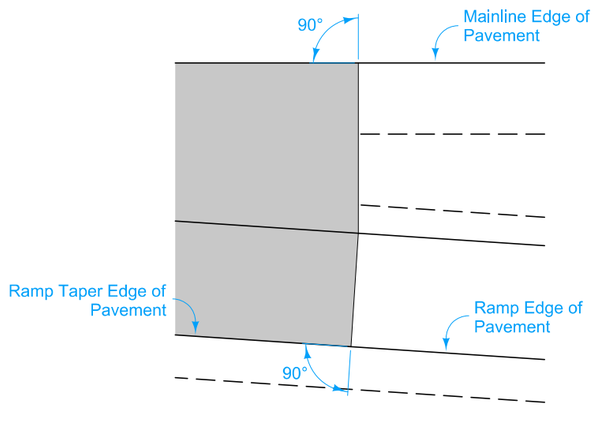
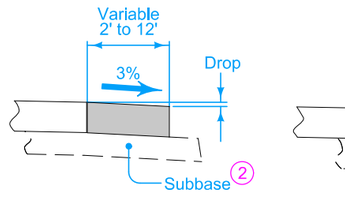


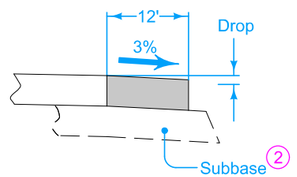
TABLE OF OFFSETS AND DROPS FOR 16' RAMP TAPER																			
DISTANCE (Ft.)	420	400	375	350	330	325	300	275	250	225	200	175	150	125	100	75	50	25	0
OFFSET (Ft.)	12.00	13.37	15.04	16.70	18.04	18.37	20.04	21.70	23.37	25.04	26.70	28.37	30.04	31.70	33.37	35.04	36.70	38.37	40.00
DROP (Ft.)	0.36	0.40	0.45	0.50	0.54	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00	1.05	1.10	1.15	1.20



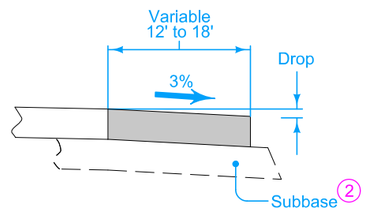
DETAIL A



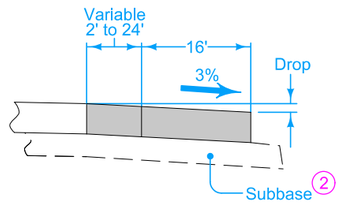
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

TABLE OF SHOULDER TRANSITION LENGTHS WITH 6' SHOULDER ON RAMP			
W_0	Shoulder Width beyond Edge of Mainline Pavement		
	8'	10'	12'
12'	NA	100'	150'

NOTE: W_0 is the width of the outside lane to the Edge of Pavement.

Construct ramp exit pavement the same thickness as mainline pavement.

For joint detail, see PV-101.

(1) For header construction detail at the end of taper, see Typical 7101 or Typical 7102.

(2) Construct subbase for ramp exit pavement the same thickness as mainline subbase.

REVISION	
2	04-21-20

ROAD DESIGN DETAIL

533-01

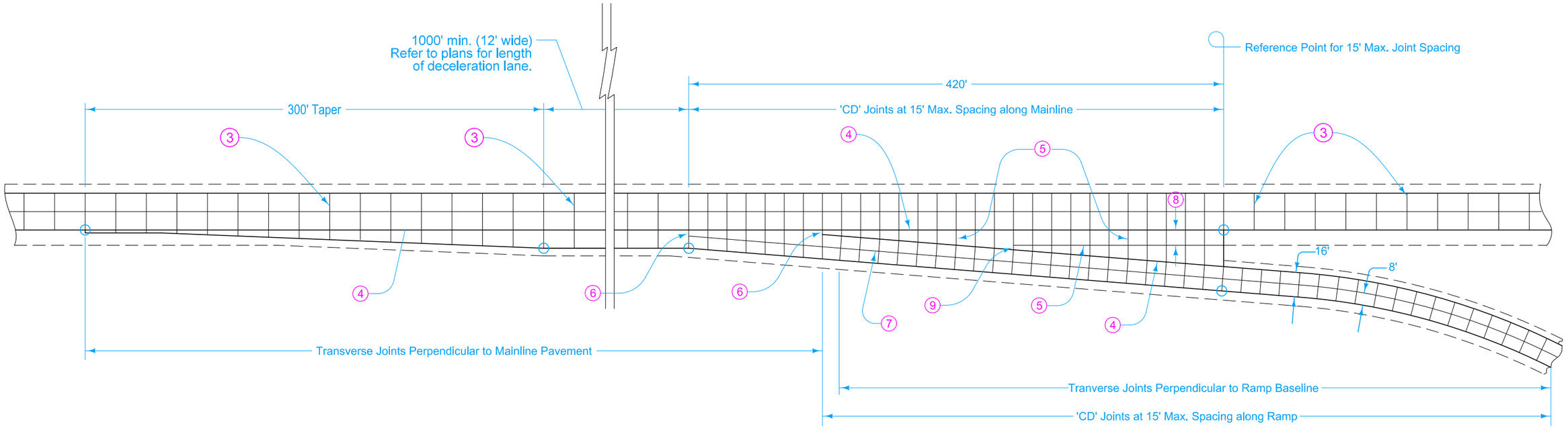
SHEET 1 of 2

REVISIONS: Removed MODIFIED from the detail.

PARALLEL DECELERATION TAPER FOR 16' RAMP (60 MPH DESIGN SPEED)

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER U.1

10:23:52 AM 2/25/2022 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_U01.dgn



16' EXIT RAMP WITH PARALLEL DECELERATION LANE

(3) 'CD' Joints at 17' spacing.

(4) 'BT-2' or 'KT-2' Joint.

(5) 'C' Joint.

(6) 'B' Joint. 2' minimum, 4' maximum.

(7) 'L-2' Joint.

(8) 10' minimum or equal to mainline shouder width.

(9) 'B' or 'C' Joint. 2' minimum. 4' maximum.

REVISION	
2	04-21-20

ROAD DESIGN DETAIL

533-01

SHEET 2 of 2

REVISIONS: Removed MODIFIED from the detail.

PARALLEL DECELERATION TAPER FOR 16' RAMP (60 MPH DESIGN SPEED)

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER U.2	

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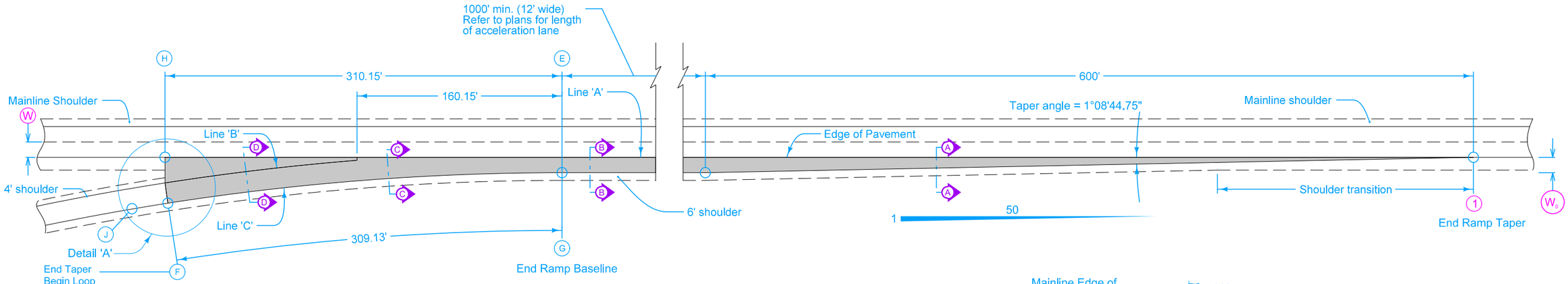
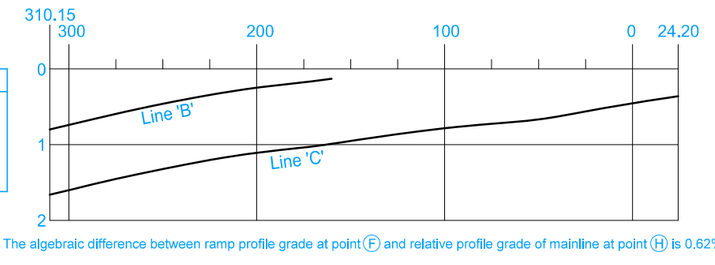


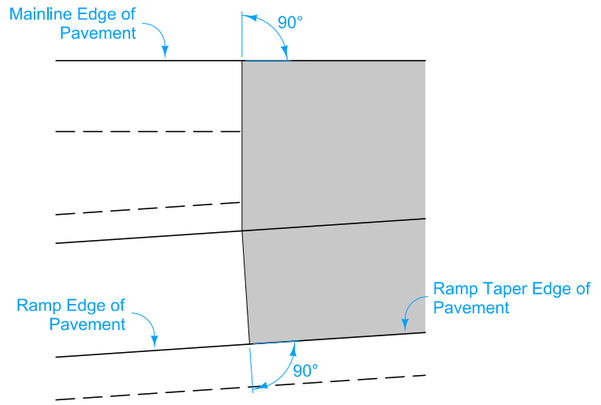


Pt. 'G' to Pt. 'J'
△ = 8° 51' 20.88"
T = 164.23'
L = 327.73'
E = 6.73'
R = 2000.00'

NOTE: The algebraic difference between ramp profile grade at point (F) and relative profile grade of mainline at point (H) is 0.62%

TABLE OF SHOULDER TRANSITION LENGTHS WITH 6' SHOULDER ON RAMP

W_0	Shoulder Width beyond Edge of Mainline Pavement		
	8'	10'	12'
12'	NA	100'	150'



DETAIL A

TABLE OF OFFSETS AND DROPS FOR 16' RAMP TAPER

(H) (E)

DISTANCE FROM POINT (E) ALONG LINE 'A' (Ft.)		310.15	300	275	250	225	204	200	175	160.15	150	125	100	75	50	25	0	24.2
From Line 'A' To Line 'B'	OFFSET (Ft.)	20.00	18.45	14.84	11.56	8.60	6.30	5.95	3.61	2.37								
	SLOPE (%)	← Constant 4.0% Slope →						4.11	4.92	5.40								
	DROP (Ft.)	0.80	0.74	0.59	0.46	0.34	0.25	0.24	0.18	0.13								
From Line 'B' To Line 'C'	OFFSET (Ft.)	← Constant 16' Offset →																
	SLOPE (%)	← Constant 5.4% Slope →																
	DROP (Ft.)	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86								
From Line 'A' To Line 'C'	OFFSET (Ft.)										17.63	15.91	14.50	13.41	12.63	12.16	12.00	12.00
	SLOPE (%)										5.40	5.40	5.40	5.40	5.40	4.59	3.78	3.00
	DROP (Ft.)	1.66	1.60	1.45	1.32	1.20	1.11	1.10	1.04	0.99	0.95	0.86	0.78	0.72	0.68	0.56	0.45	0.36
DISTANCE FROM POINT (G) ALONG LINE 'C' (Ft.)		309.13	298.73	273.67	248.66	223.68	202.73	198.74	173.83	159.04	150.14	125.08	100.04	75.02	50.01	25.00	0.00	

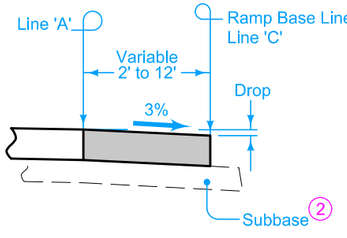
(F) (G)

Construct ramp exit pavement the same thickness as mainline pavement.

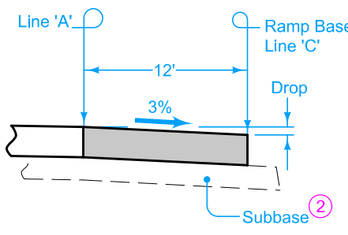
For joint detail, see PV-101.

(1) For header construction detail at the end of taper, see Typical 7101 or Typical 7102.

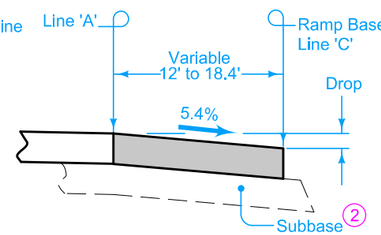
(2) Construct subbase for ramp exit pavement the same thickness as mainline subbase.



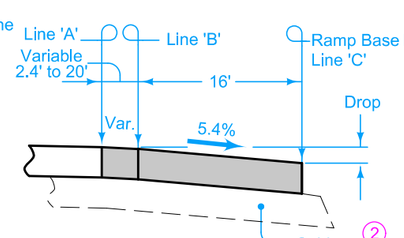
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

REVISION	
3	04-20-21

ROAD DESIGN DETAIL

533-02

SHEET 1 of 2

REVISIONS: Added Point J and Ramp Profile note.

PARALLEL ACCELERATION TAPER FOR 16' RAMP (60 MPH DESIGN SPEED)

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER U.3

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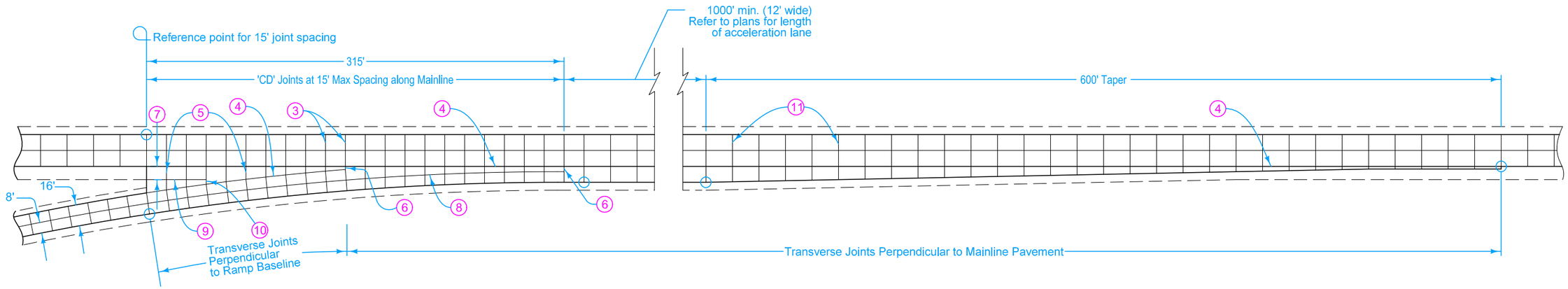


(3) 'CD ' Joints at 15' spacing.
(4) 'BT-2' or 'KT-2' Joint.
(5) 'C' Joint.
(6) 'B' Joint. 2' minimum, 4' maximum.
(7) 10' minimum or equal to mainline shoulder width.
(8) 'L-2' Joint.
(9) 'C' Joint parallel to mainline pavement.
(10) 'B' or 'C' Joint. 2' minimum, 4' maximum.
(11) 'CD ' Joints at 17' spacing.

REVISION	
3	04-20-21

ROAD DESIGN DETAIL

533-02

SHEET 2 of 2

REVISIONS: Added Point J and Ramp Profile note.

PARALLEL ACCELERATION TAPER FOR 16' RAMP (60 MPH DESIGN SPEED)

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER U.4

10:23:53 AM 2/25/2022 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_U01.dgn

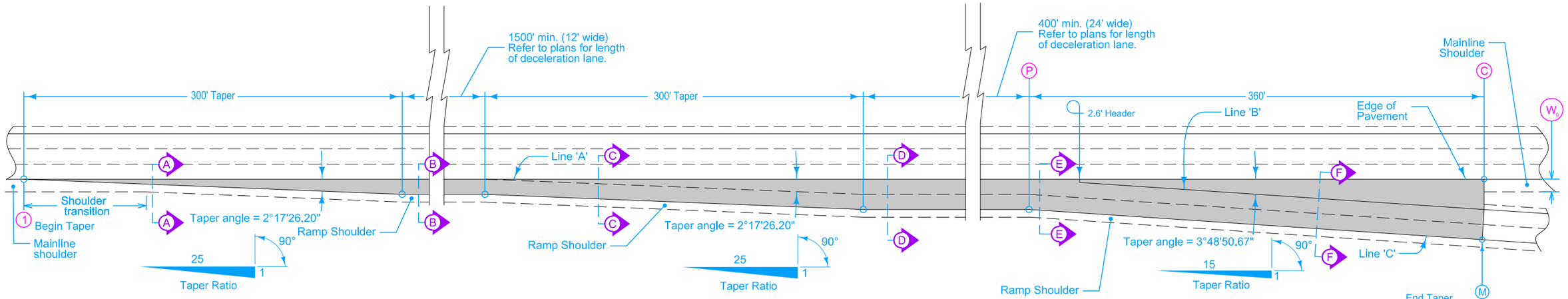
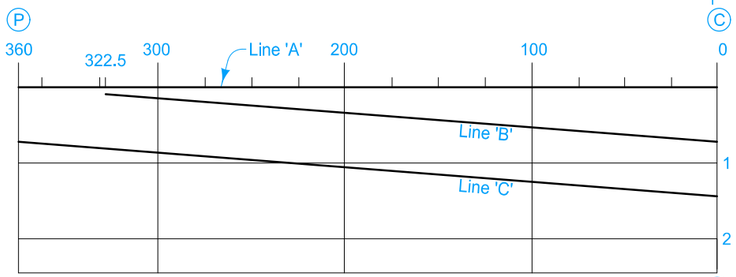


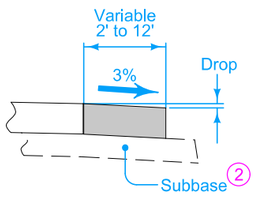
TABLE OF OFFSETS AND DROPS FOR 24' RAMP TAPER																		
DISTANCE FROM POINT (P) ALONG LINE 'A' (Ft.)		360	350	325	322.5	300	275	250	225	200	175	150	125	100	75	50	25	0
From Line 'A' To Line 'B'	OFFSET (Ft.)				2.5	4.00	5.67	7.33	9.00	10.67	12.33	14.00	15.67	17.33	19.00	20.67	22.33	24.00
	SLOPE (%)				← Constant 3.0% Slope →													
	DROP (Ft.)				0.08	0.12	0.17	0.22	0.27	0.32	0.37	0.42	0.47	0.52	0.57	0.62	0.67	0.72
From Line 'B' To Line 'C'	OFFSET (Ft.)				← Constant 24' Offset →													
	SLOPE (%)				← Constant 3.0% Slope →													
	DROP (Ft.)				0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
From Line 'A' To Line 'C'	OFFSET (Ft.)	24.00	24.72	26.39														
	SLOPE (%)	3.00	3.00	3.00														
	DROP (Ft.)	0.72	0.74	0.79	0.80	0.84	0.89	0.94	0.99	1.04	1.09	1.14	1.19	1.24	1.29	1.34	1.39	1.44

(M)

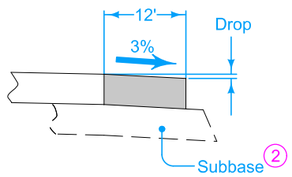


Note: The algebraic difference between the profile grade for ramp base line at (M) and realtive profile grade of mainline at (C) is 0.20%.

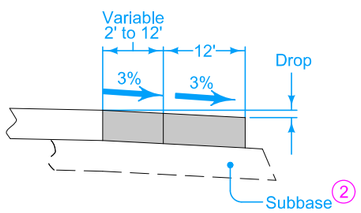
PROFILE



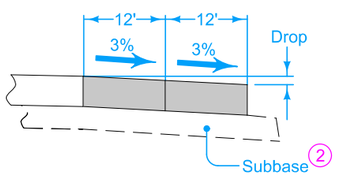
SECTION A-A



SECTION B-B



SECTION C-C



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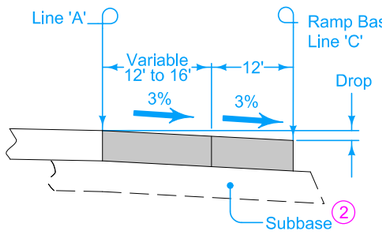
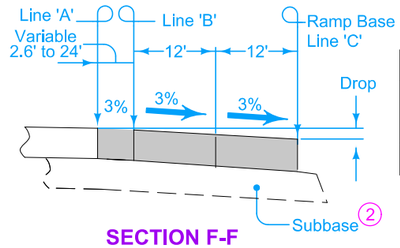


SECTION E-E



SECTION F-F

Construct ramp exit pavement the same thickness as mainline pavement.

For joint detail, see PV-101.

(1) For header construction detail at the end of taper See Typical 7101 or Typical 7102.

(2) Construct subbase for ramp exit pavement the same thickness as mainline subbase.

TABLE OF SHOULDER TRANSITION LENGTHS WITH 6' SHOULDER ON RAMP			
W_0	Shoulder Width beyond Edge of Mainline Pavement		
	8'	10'	12'
12'	NA	100'	150'

NOTE: W_0 is the width of the outside lane to the Edge of Pavement.

REVISION	
3	04-20-21

ROAD DESIGN DETAIL

533-04

SHEET 1 of 2

REVISIONS: Added End Taper note.

PARALLEL DECELERATION TAPER FOR 24' RAMP (60 MPH DESIGN SPEED)

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER U.5

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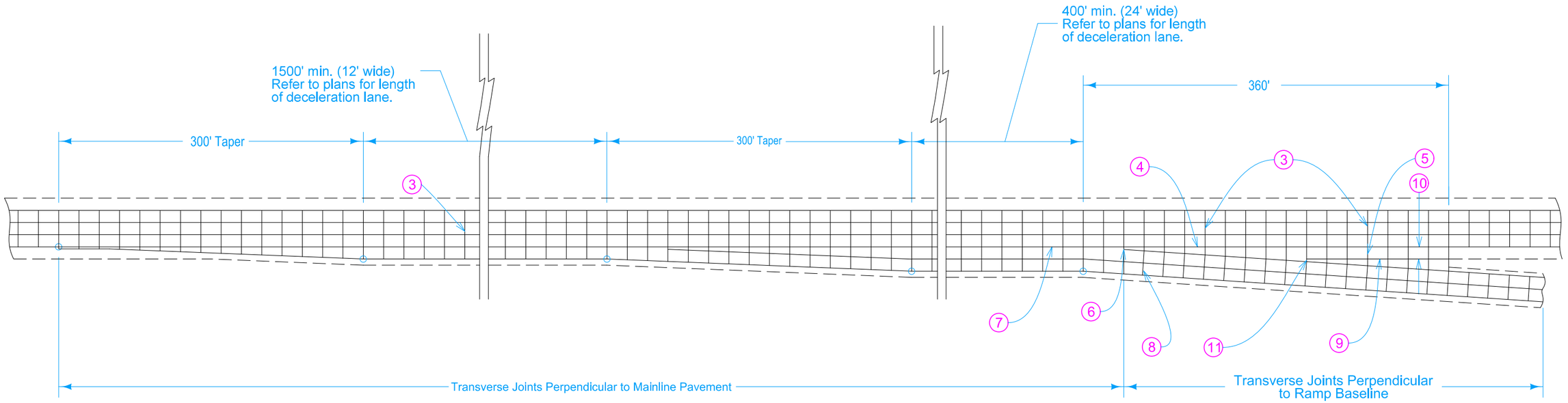

24' EXIT RAMP WITH PARALLEL DECELERATION LANE

(3) 'CD' Joints at 17' spacing.

(4) 'BT-2' or 'KT-2' Joint.

(5) 'C' Joint.

(6) 'B' Joint. 2' minimum, 4' maximum.

(7) 'L-2' Joint.

(8) Construct tranverse joints on the exit ramp taper perpendicular to the ramp baseline where the gore area is 4 feet or greater.

(9) 'C' Joint parallel to mainline pavement.

(10) 10' minimum or equal to mainline shouder width.

(11) 'B' or 'C' Joint. 2' minimum. 4' maximum.

REVISION	
3	04-20-21

ROAD DESIGN DETAIL

533-04

SHEET 2 of 2

REVISIONS: Added End Taper note.

PARALLEL DECELERATION TAPER FOR 24' RAMP (60 MPH DESIGN SPEED)

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER U.6

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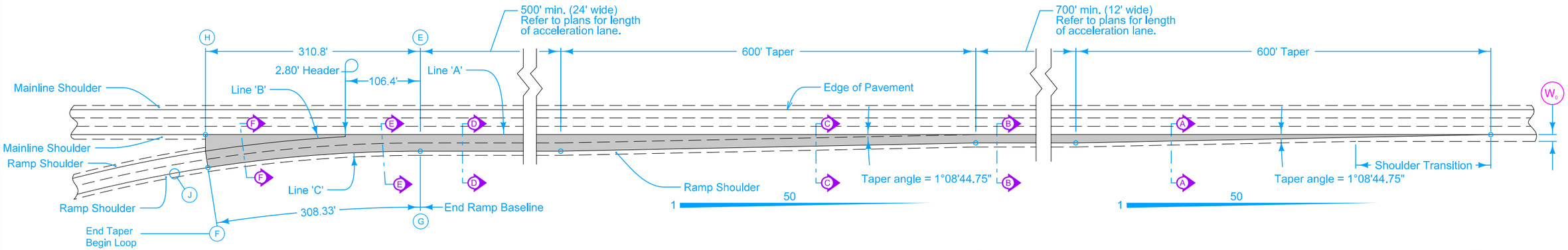
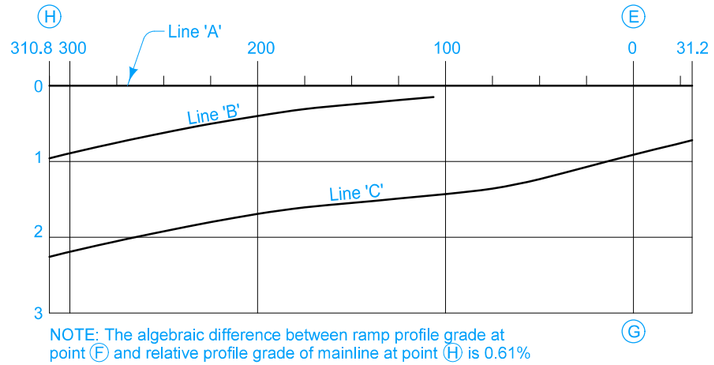


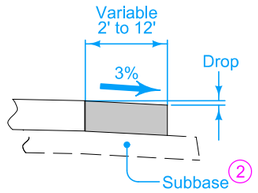
Pt. 'G' to Pt. 'J'
△ = 09°31'13.98"
T = 166.55'
L = 332.33'
E = 6.92'
R = 2000.00'



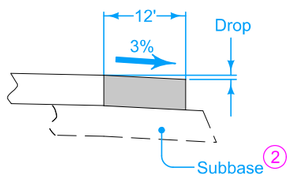
NOTE: The algebraic difference between ramp profile grade at point (F) and relative profile grade of mainline at point (H) is 0.61%

TABLE OF OFFSETS AND DROPS FOR 16' RAMP TAPER

DISTANCE FROM POINT (H) ALONG LINE 'A' (Ft.)		310.8	300	275	250	225	200	175	150	125	106.4	100	75	65	50	25	0	25	31.2
From Line 'A' To Line 'B'	OFFSET (Ft.)	24.00	22.36	18.77	15.50	12.55	9.91	7.58	5.57	3.86	2.80								
	SLOPE (%)	← Constant 4.0% Slope →							4.51	5.02	5.40								
	DROP (Ft.)	0.96	0.89	0.75	0.62	0.50	0.40	0.30	0.25	0.19	0.15								
From Line 'B' To Line 'C'	OFFSET (Ft.)	← Constant 24' Offset →																	
	SLOPE (%)	← Constant 5.4% Slope →																	
	DROP (Ft.)	← Constant 1.30' Drop →																	
From Line 'A' To Line 'C'	OFFSET (Ft.)											26.50	25.41	25.06	24.63	24.16	24.00	24.00	24.00
	SLOPE (%)											5.40	5.40	5.40	5.04	4.41	3.78	3.15	3.00
	DROP (Ft.)	2.26	2.19	2.05	1.92	1.80	1.69	1.60	1.55	1.49	1.45	1.43	1.37	1.35	1.24	1.07	0.91	0.76	0.72
DISTANCE FROM POINT (F) ALONG LINE 'C' (Ft.)		308.30	297.54	272.58	247.67	202.79	197.95	173.14	148.36	123.60	105.21	100.04	75.02	65.01	50.01	25.00	0.00		



SECTION A-A



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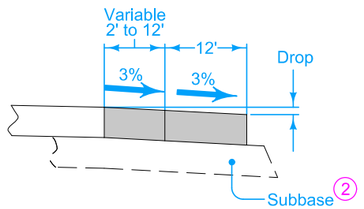
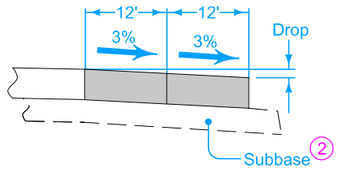
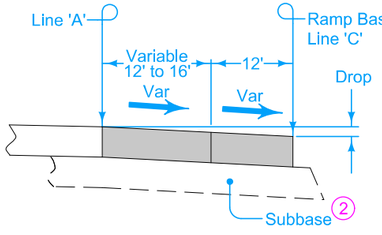


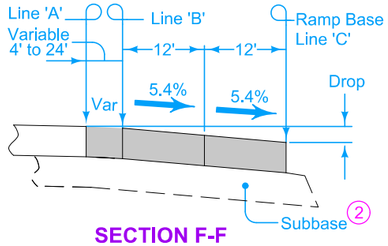
SECTION C-C



SECTION D-D



SECTION E-E



SECTION F-F

TABLE OF SHOULDER TRANSITION LENGTHS WITH 6' SHOULDER ON RAMP			
W_0	Shoulder Width beyond Edge of Mainline Pavement		
	8'	10'	12'
12'	NA	200'	300'

NOTE: W_0 is the width of the outside lane to the Edge of Pavement.

Construct ramp entrance pavement the same thickness as mainline pavement.

For joint detail, see PV-101.

(1) For header construction detail at the end of taper See Typical 7101 or Typical 7102.

(2) Construct subbase for ramp entrance pavement the same thickness as mainline subbase.

REVISION	
3	04-20-21

ROAD DESIGN DETAIL

533-05

SHEET 1 of 2

REVISIONS: Added Point J and Ramp Profile note.

PARALLEL ACCELERATION TAPER FOR 24' RAMP (60 MPH DESIGN SPEED)

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER U.7

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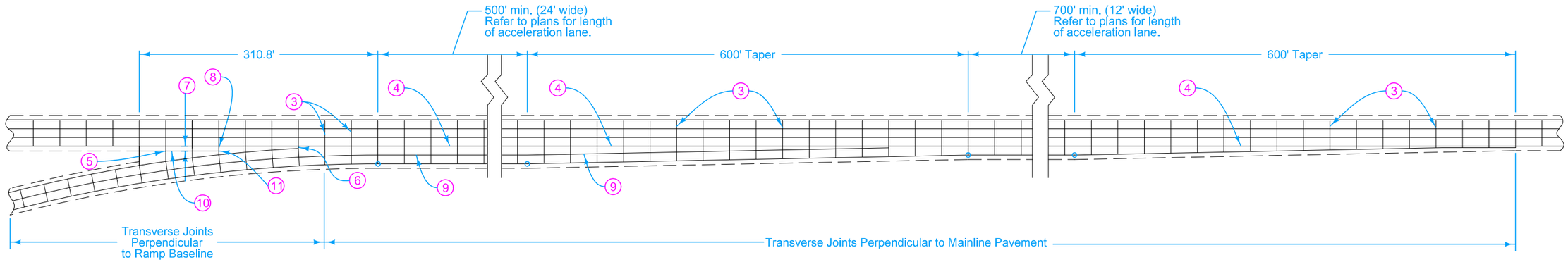

(3) 'CD ' Joints at 17' spacing.

(4) 'BT-2' or 'KT-2' Joint.

(5) 'C' Joint.

(6) 'B' Joint. 2' minimum, 4' maximum.

(7) 10' minimum or equal to mainline shoulder width.

(8) Construct transverse joints through the gore perpendicular to mainline pavement.

(9) 'L-2' Joint.

(10) 'C' Joint parallel to mainline pavement.

(11) 'B' or 'C' Joint. 2' minimum, 4' maximum.

REVISION	
3	04-20-21

ROAD DESIGN DETAIL

533-05

SHEET 2 of 2

REVISIONS: Added Point J and Ramp Profile note.

PARALLEL ACCELERATION TAPER FOR 24' RAMP (60 MPH DESIGN SPEED)

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER U.8

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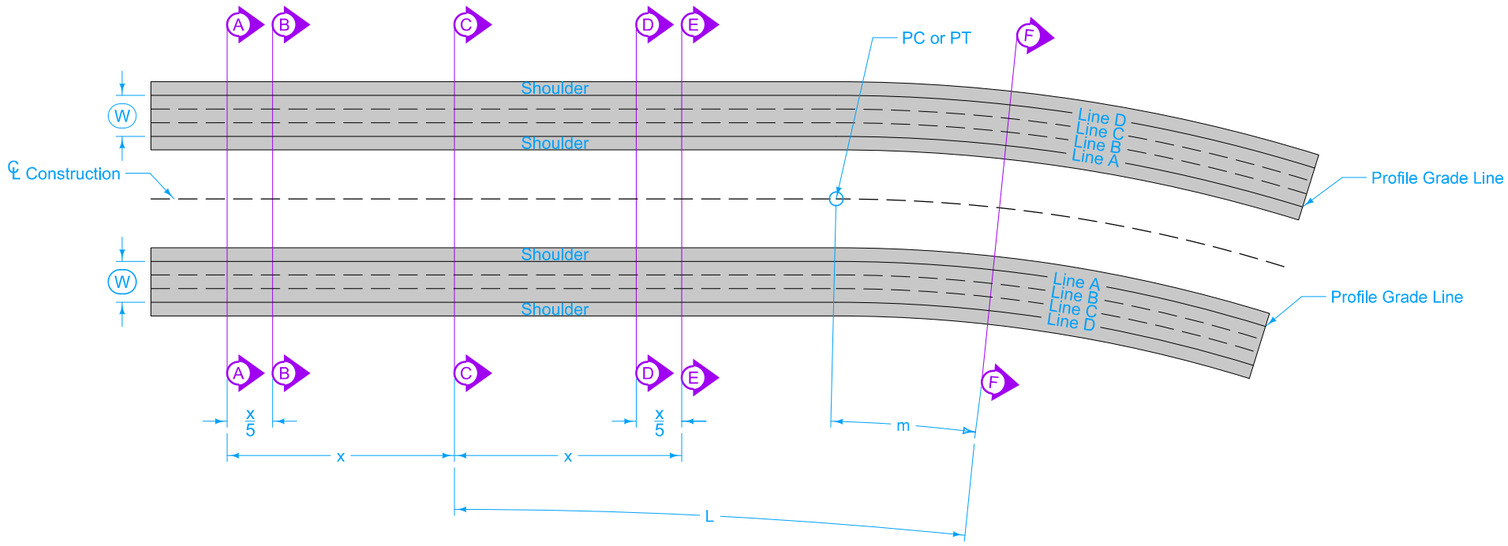
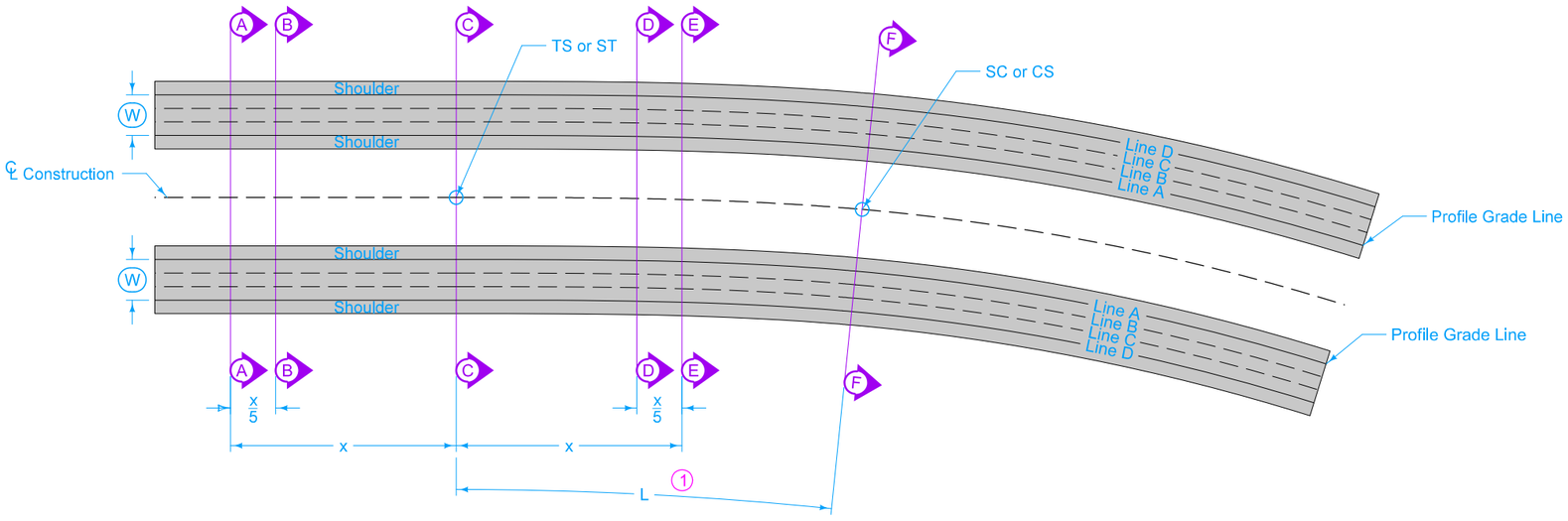


TRANSITION DETAILS - TANGENT TO CURVE



TRANSITION DETAILS - SPIRAL CURVE

Refer to specific curve data contained in project plans for tangent runout length (x), runoff length (L) and full superelevation (e).

When spiral curve transitions are not required:
Place 70% of full superelevation at the PC and PT.
Place 30% of the runoff length within the curve.

Unless otherwise specified, all lengths are measured along the centerline of construction.

Superelevations on this standard are shown for curves to the right. Curves to the left are a mirror image of what is shown.

Smooth curves should be established at the time of construction at sections A-F along the profile edges of lines A-D.

Axis of rotation coincides with profile grade location.

m = 30% of Runoff Length (L)

Ⓦ = 36' Regardless of Pavement Width

g = Normal Cross Slope (2.5%)

L = Distance to Change Cross Slope from 0% to e

e = Supereleavtion Rate

x = Distance to Change Cross Slope from 0% to 2.5%

s = Normal Shoulder Slope

① Spiral curve length coincides with runoff length (L)

Possible Tabulation:
101-18

MODIFIED
STANDARD ROAD PLAN

REVISION	
2	04-21-20

PV-304

SHEET 1 of 4

MODIFICATIONS: None

SUPERELEVATION DETAILS
SIX LANE ROADWAY
DEPRESSED MEDIAN
OVERLAY AND WIDEN

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER U.9

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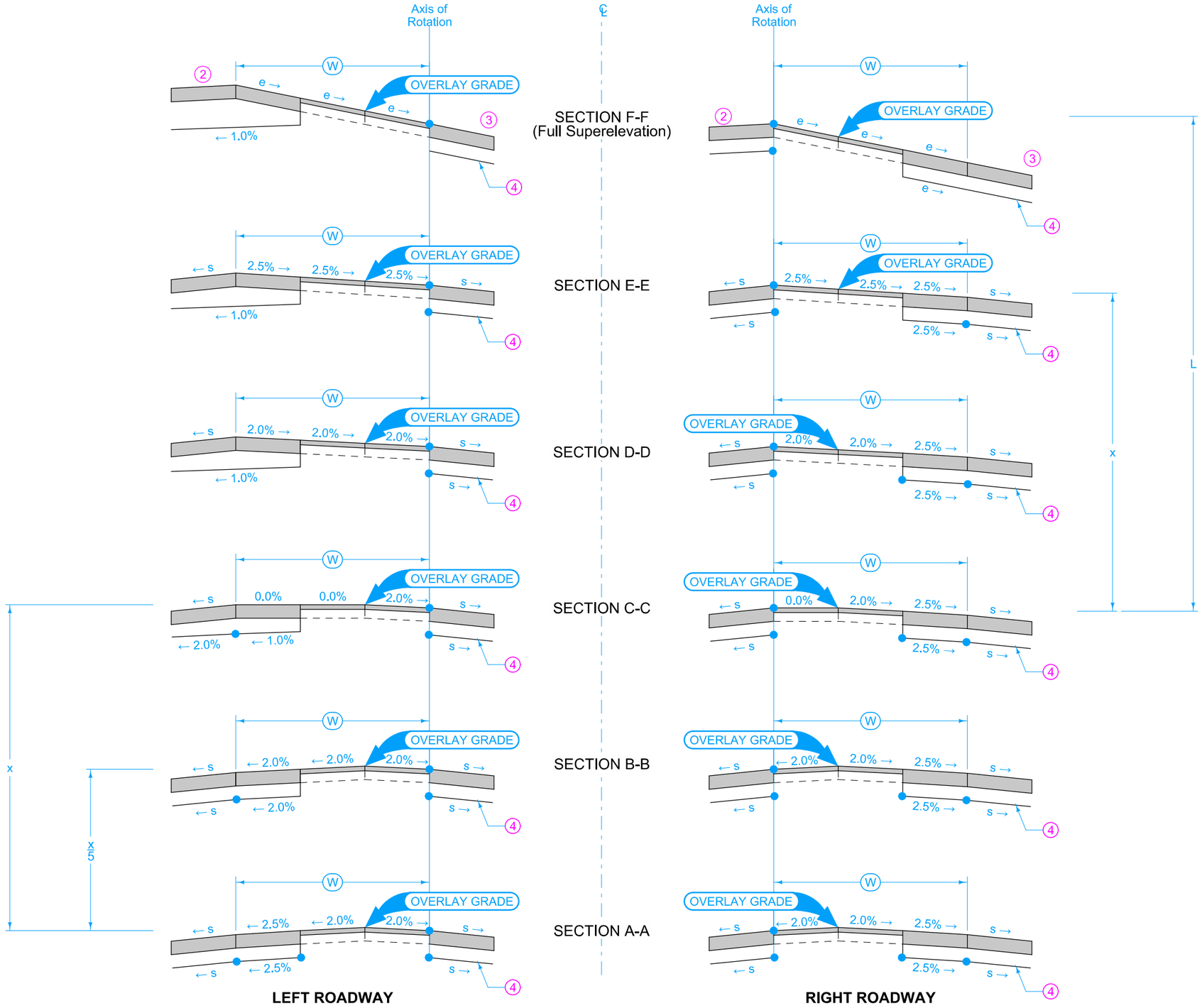

(2) High Side Shoulder: Maintain normal shoulder cross slope (s), until the cross slope break with the adjacent pavement reaches 8.0%. Maintain 8% breakover until superelevation rate reaches 7%. If superelevation rate exceeds 7.0%, maintain a 1% shoulder cross slope away from the adjacent pavement.

(3) Low Side Shoulder: Maintain normal shoulder cross slope (s) until the adjacent pavement slope equals s, then slope the shoulder at the same cross slope as the adjacent pavement.

(4) Subgrade Surface: Subgrade surface cross slope parallel to pavement surface cross slope.

MODIFIED
STANDARD ROAD PLAN

REVISION	
2	04-21-20

PV-304
SHEET 2 of 4

MODIFICATIONS: Profile Location
Subgrade Slope

SUPERELEVATION DETAILS
SIX LANE ROADWAY
DEPRESSED MEDIAN
OVERLAY AND WIDEN

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER U.10

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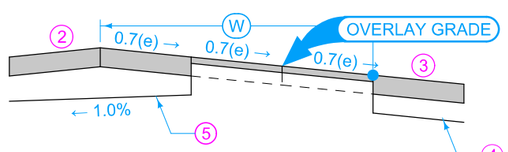
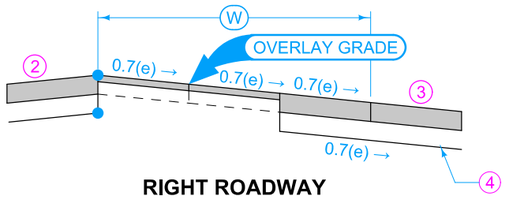


LEFT ROADWAY

CASE A (3)
(e ≥ 3.6%)
(between sections E & F)



RIGHT ROADWAY

SECTION AT THE PC OR PT

(2) High Side Shoulder: Maintain normal shoulder cross slope (s), until the cross slope break with the adjacent pavement reaches 8.0%. Maintain 8% breakover until superelevation rate reaches 7%. If superelevation rate exceeds 7.0%, maintain a 1% shoulder cross slope away from the adjacent pavement.

(3) Low Side Shoulder: Maintain normal shoulder cross slope (s) until the adjacent pavement slope equals s, then slope the shoulder at the same cross slope as the adjacent pavement.

(4) Subgrade Surface: Subgrade surface cross slope parallel to pavement surface cross slope.

(5) Subgrade Surface: Subgrade surface cross slope a minimum of 1% away from existing pavement

MODIFIED

STANDARD ROAD PLAN

REVISION 2 04-21-20

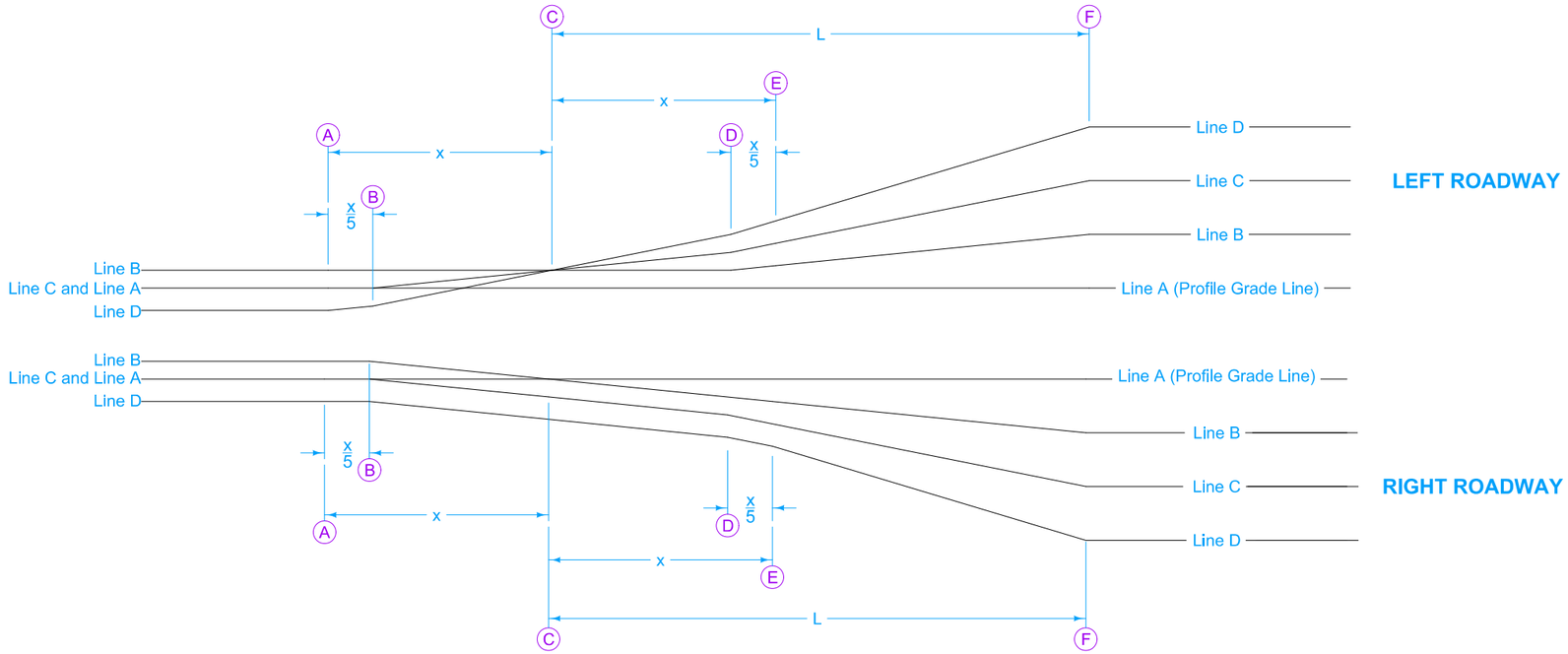
PV-304

SHEET 3 of 4

MODIFICATIONS: Profile Location
Subgrade Slope

SUPERELEVATION DETAILS
SIX LANE ROADWAY
DEPRESSED MEDIAN
OVERLAY AND WIDEN

TABLE OF OFFSETS AND DROPS FOR LEFT ROADWAY								
Location of Cross Sections		(A)	(B)	(C)	(D)	(E)	(F)
From Line A To Line B	Offset (Ft.)	12	12	12	12	12	12
	Slope (%)	2.0	2.0	2.0	2.0	2.5	e
	Drop (Ft.)	0.24	0.24	0.24	0.24	0.30	12(e)
From Line B To Line C	Offset (Ft.)	12	12	12	12	12	12
	Slope (%)	-2.0	-2.0	0.0	2.0	2.5	e
	Drop (Ft.)	-0.24	-0.24	0.0	0.24	0.30	12(e)
From Line C To Line D	Offset (Ft.)	12	12	12	12	12	12
	Slope (%)	-2.5	-2.0	0.0	2.0	2.5	e
	Drop (Ft.)	-0.30	-0.24	0.0	0.24	0.30	12(e)
From Line A To Line D	Offset (Ft.)	36	36	36	36	36	36
	Drop (Ft.)	-0.30	-0.24	0.24	0.72	0.90	36(e)



DIAGRAMMATIC PROFILES OF THE PAVEMENT EDGE LINES

TABLE OF OFFSETS AND DROPS FOR RIGHT ROADWAY								
Location of Cross Sections		(A)	(B)	(C)	(D)	(E)	(F)
From Line A To Line B	Offset (Ft.)	12	12	12	12	12	12
	Slope (%)	2.0	2.0	0.0	-2.0	-2.5	-e
	Drop (Ft.)	0.24	0.24	0.0	-0.24	-0.30	-12(e)
From Line B To Line C	Offset (Ft.)	12	12	12	12	12	12
	Slope (%)	-2.0	-2.0	-2.0	-2.0	-2.5	-e
	Drop (Ft.)	-0.24	-0.24	-0.24	-0.24	-0.30	-12(e)
From Line C To Line D	Offset (Ft.)	12	12	12	12	12	12
	Slope (%)	-2.5	-2.5	-2.5	-2.5	-2.5	-e
	Drop (Ft.)	-0.30	-0.30	-0.30	-0.30	-0.30	-12(e)
From Line A To Line D	Offset (Ft.)	36	36	36	36	36	36
	Slope (%)						
	Drop (Ft.)	-0.30	-0.30	-0.54	-0.78	-0.90	-36(e)

MODIFIED

STANDARD ROAD PLAN

REVISION	
2	04-21-20

PV-304

SHEET 4 of 4

MODIFICATIONS: None

SUPERELEVATION DETAILS
SIX LANE ROADWAY
DEPRESSED MEDIAN
OVERLAY AND WIDEN

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER U.12

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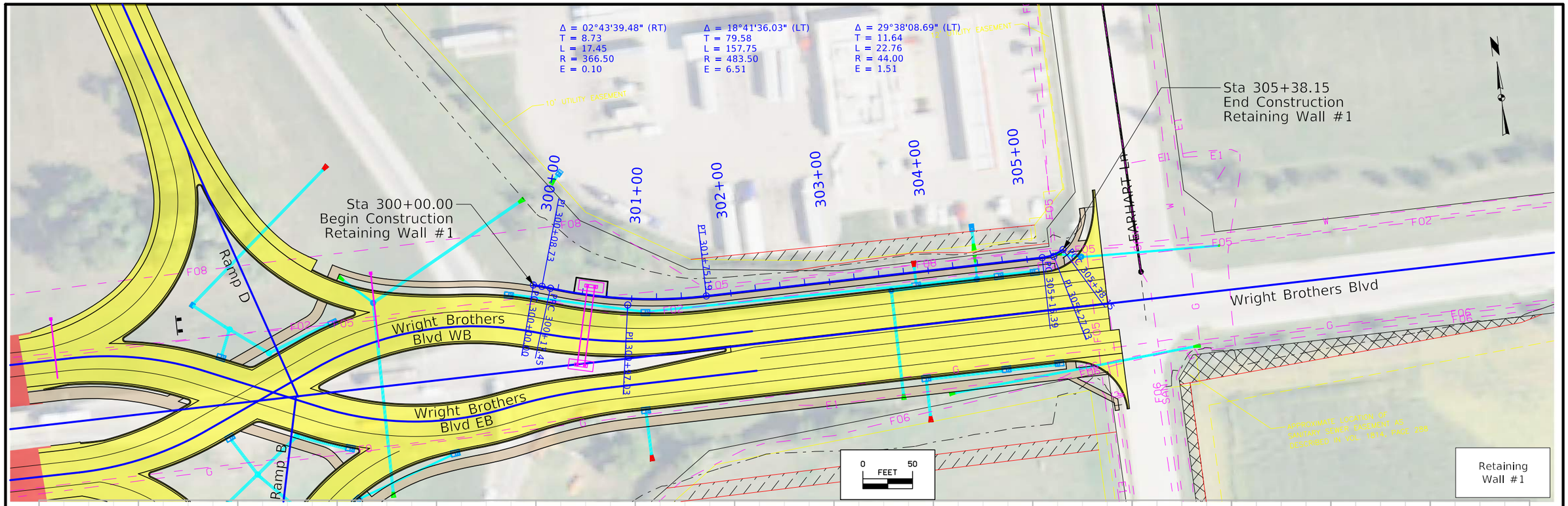

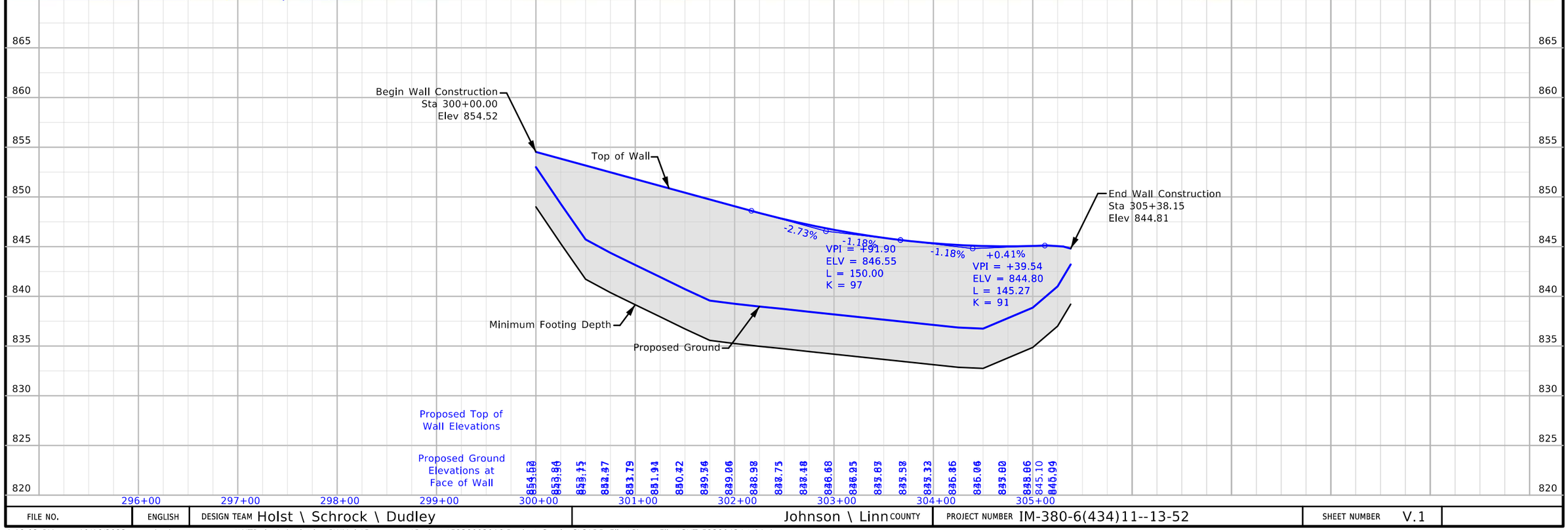

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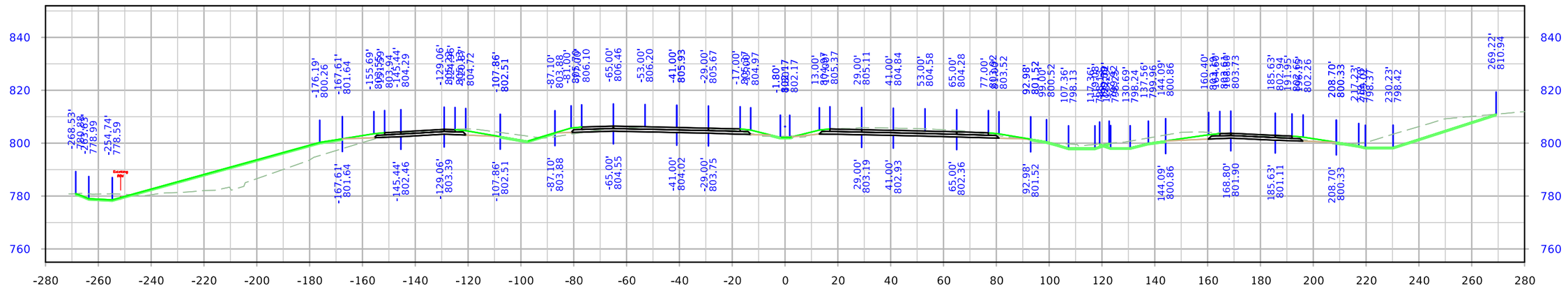
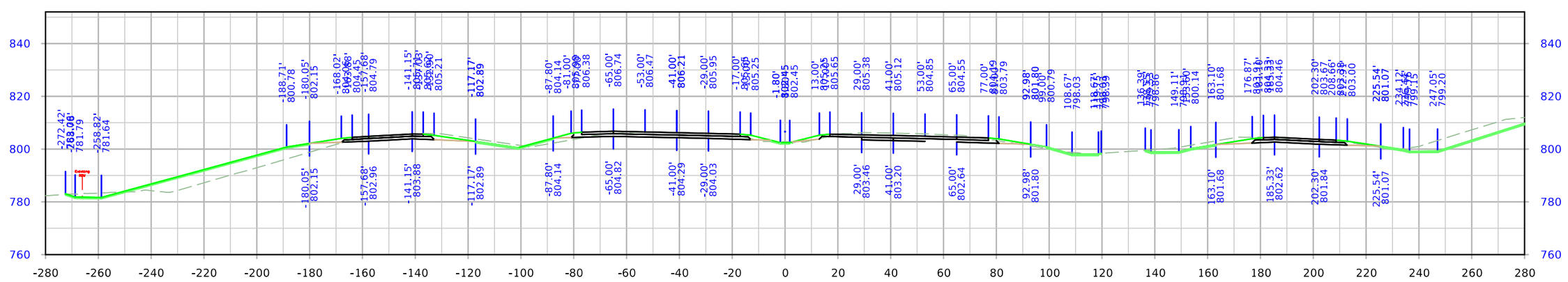
I-380





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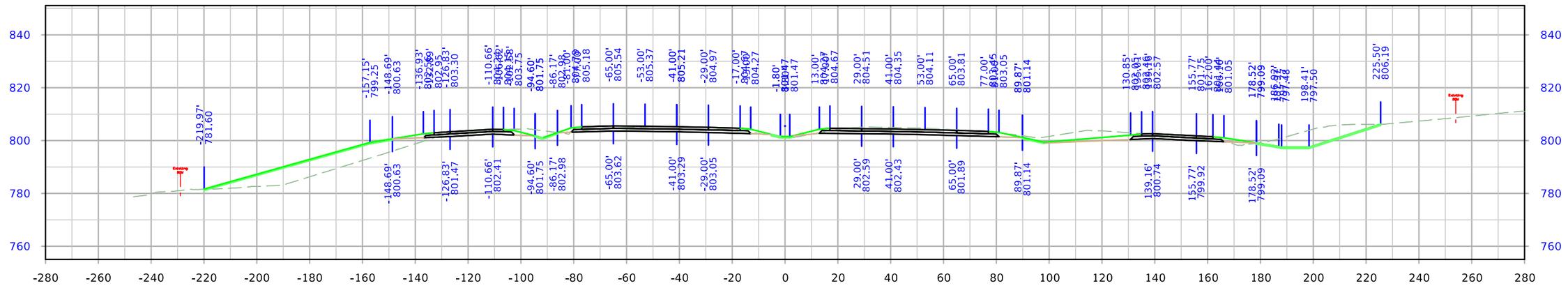
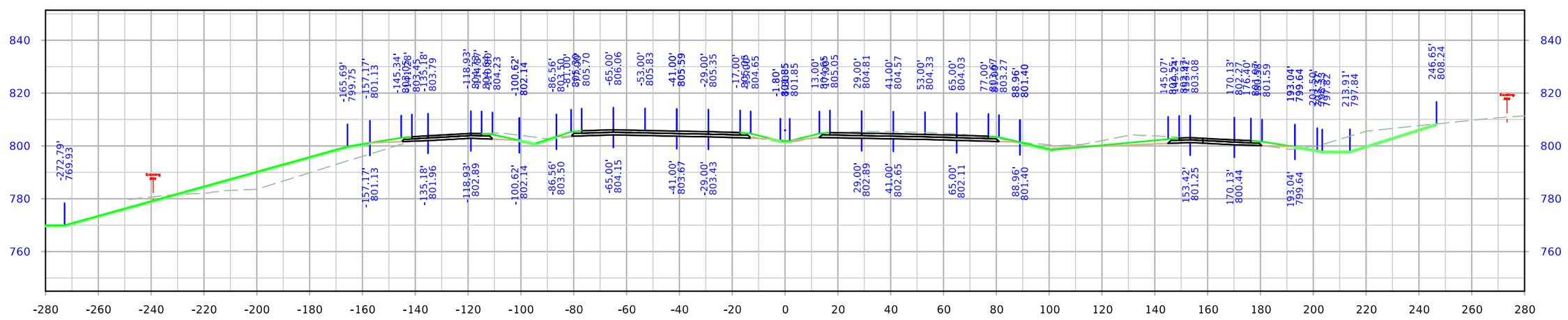
I-380



STA. 1748+50.00

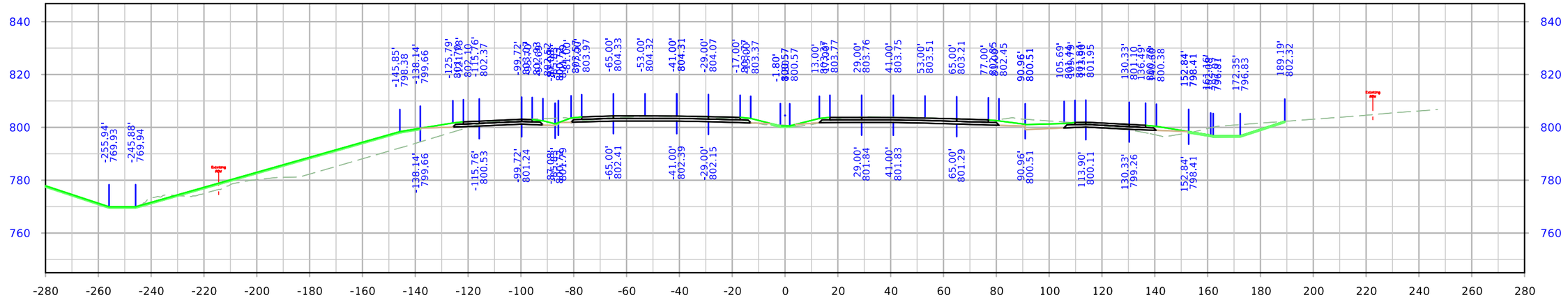


STA. 1748+00.00

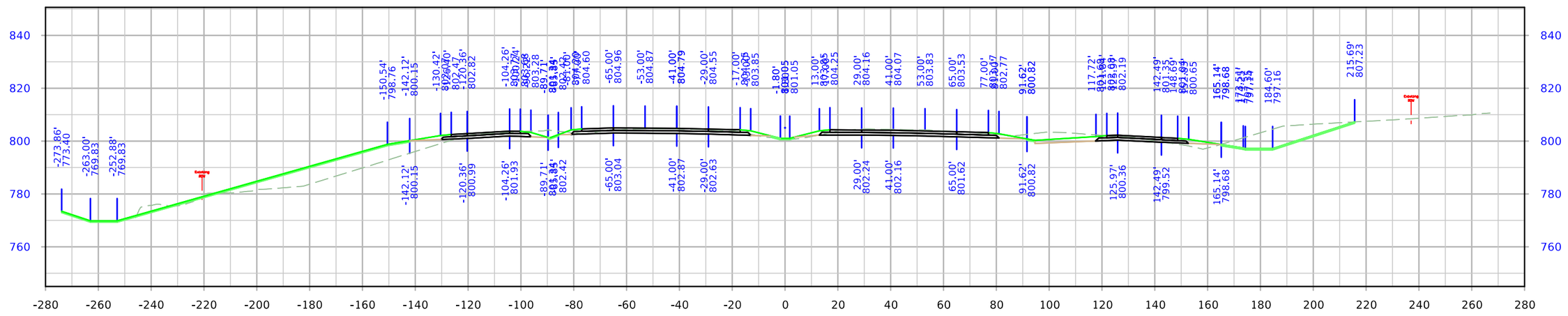
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.002

8:07:53 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

I-380



STA. 1749+50.00

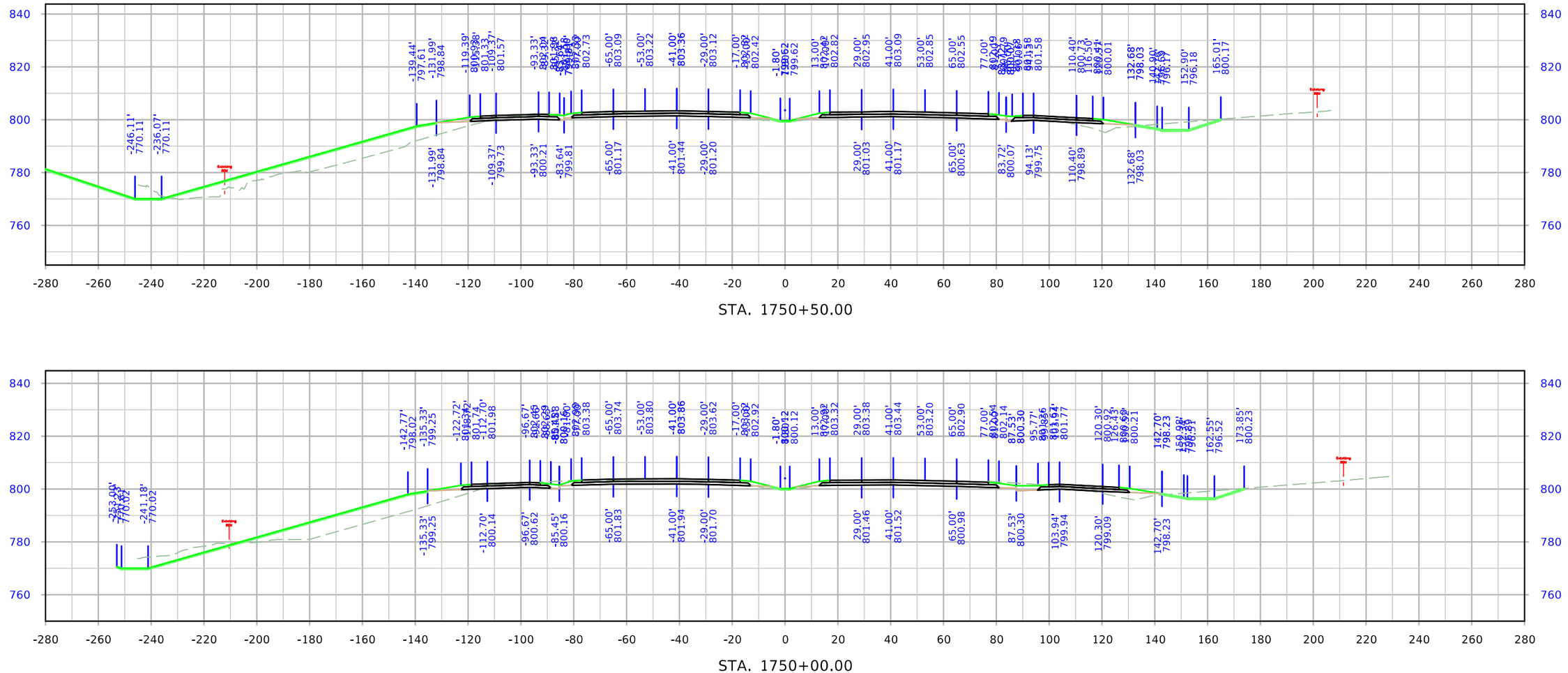


STA. 1749+00.00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.003

8:08:00 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

I-380



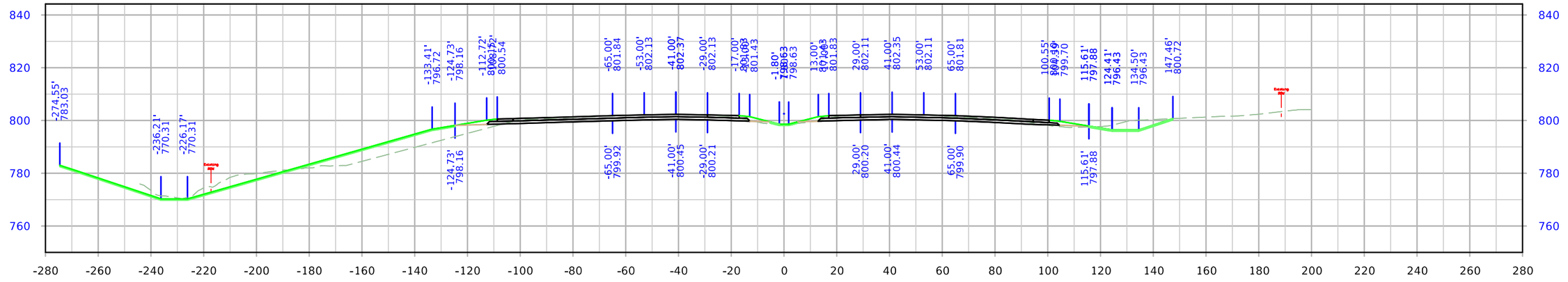
STA. 1750+50.00

STA. 1750+00.00

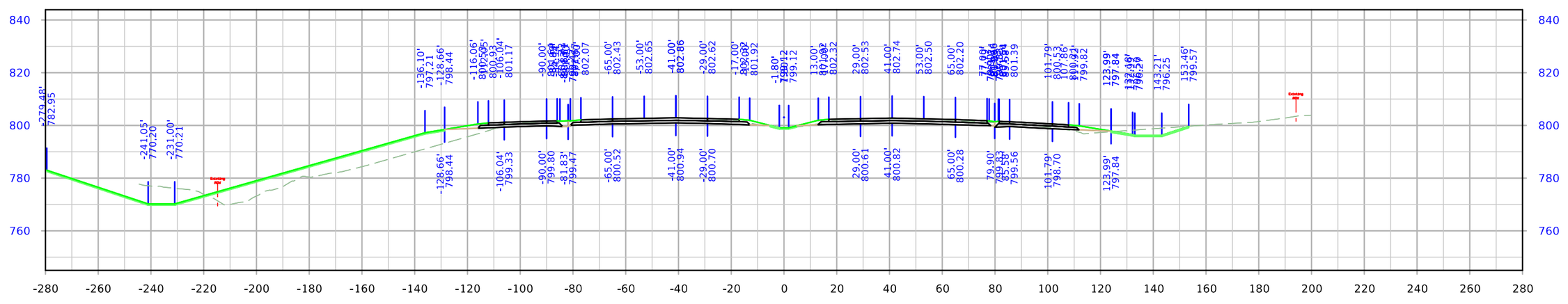
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.004

8:08:07 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

I-380



STA. 1751+50.00

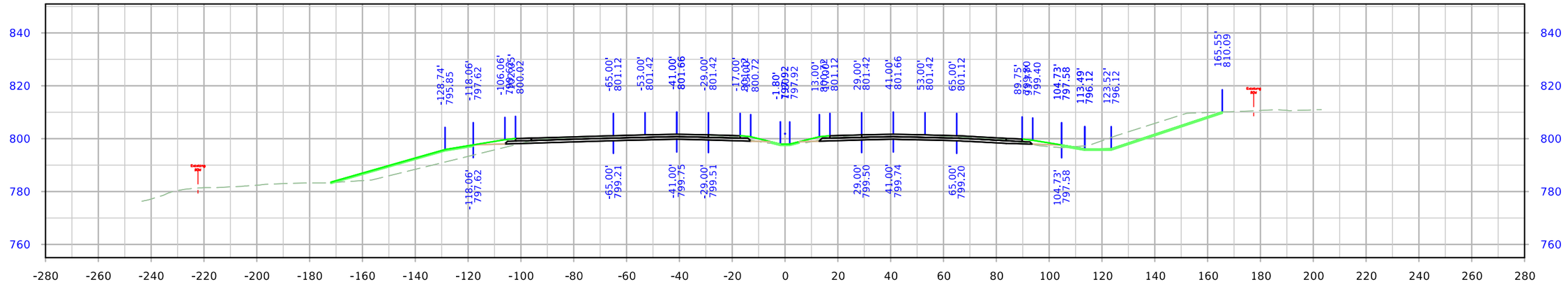


STA. 1751+00.00

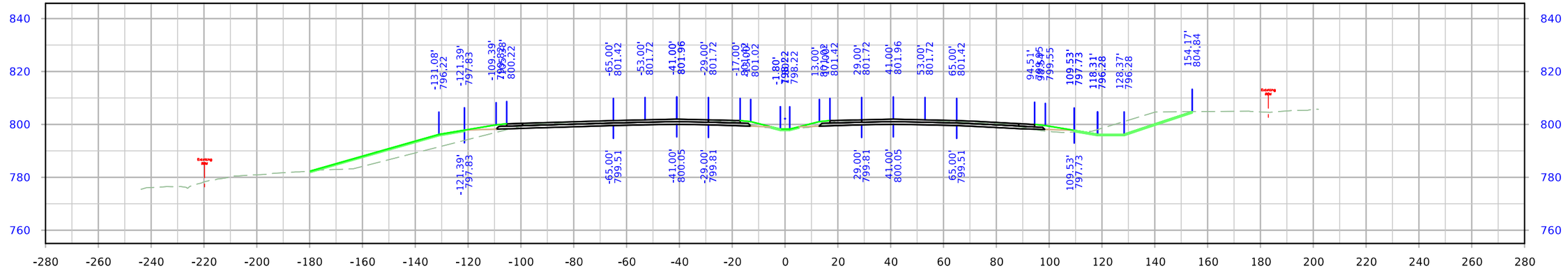
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.005

8:08:13 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

I-380



STA. 1752+50.00

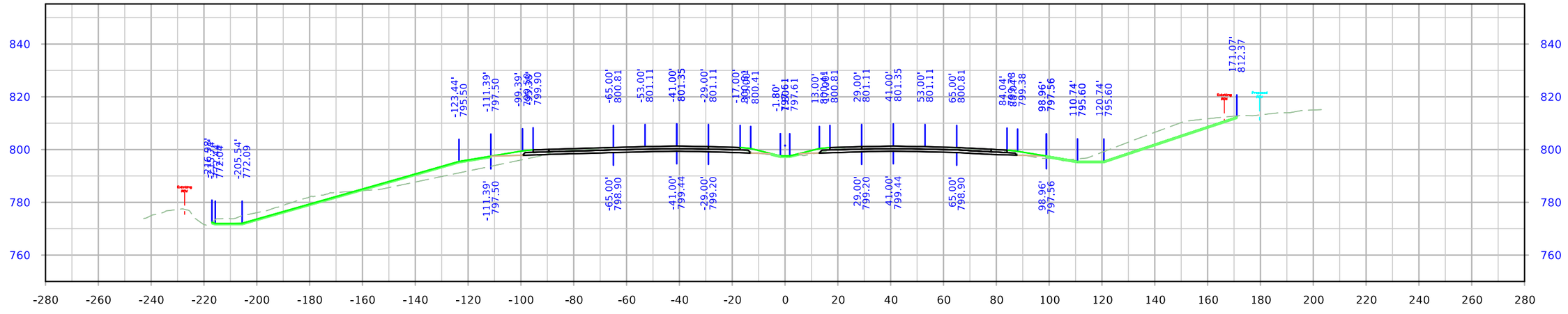


STA. 1752+00.00

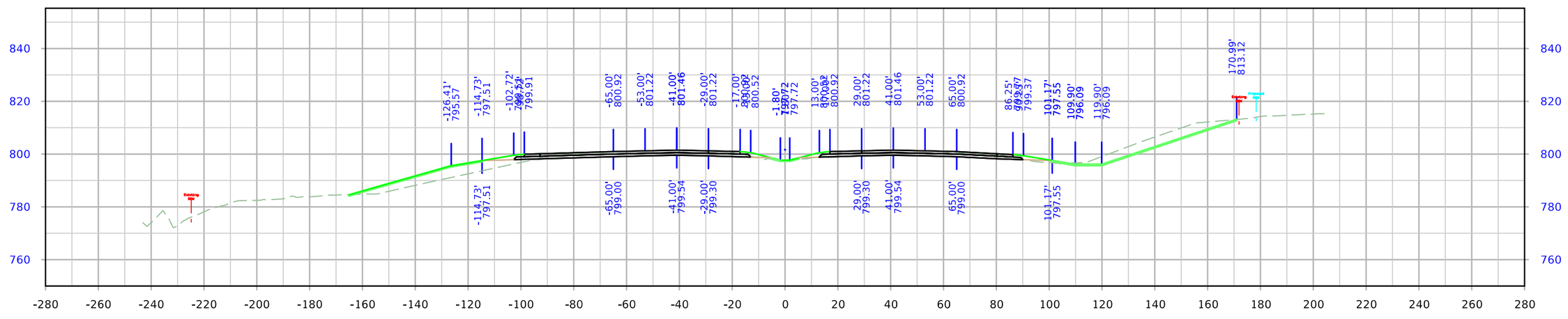
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.006	

8:08:18 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

I-380



STA. 1753+50.00

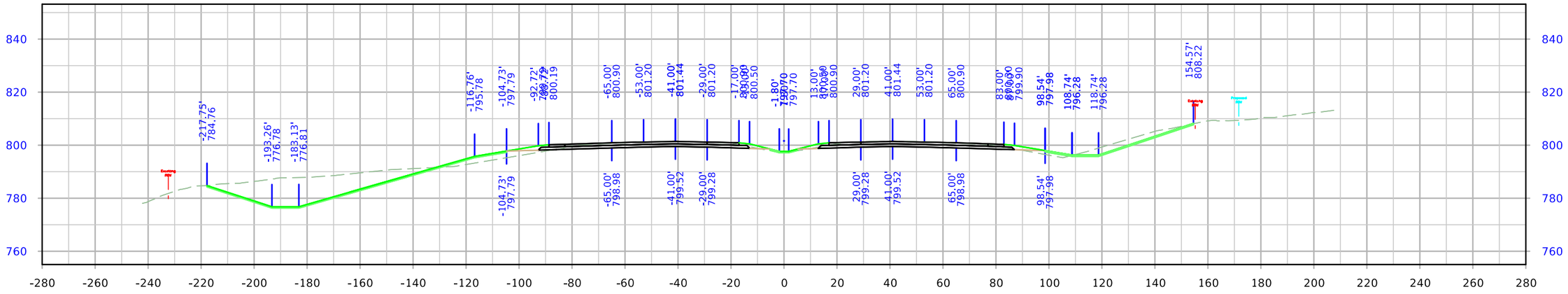


STA. 1753+00.00

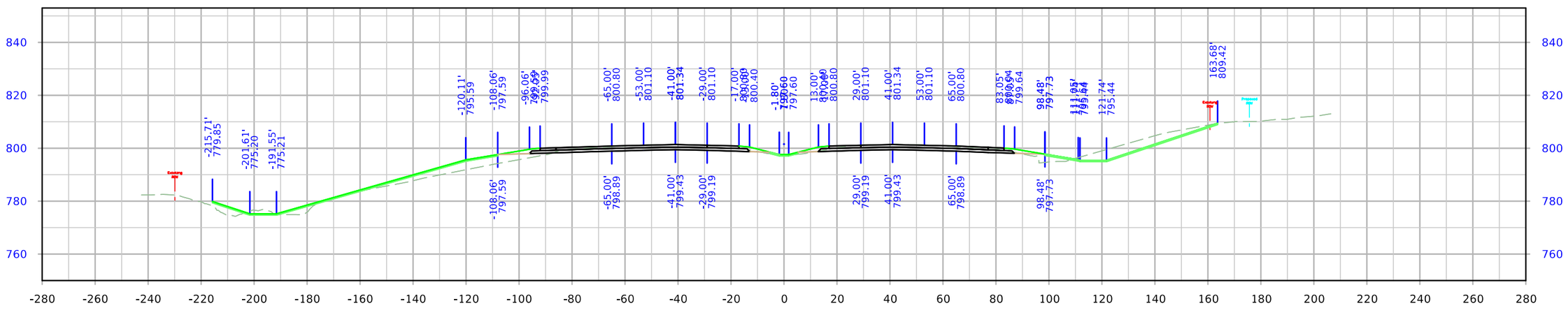
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.007

8:08:24 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

I-380



STA. 1754+50.00

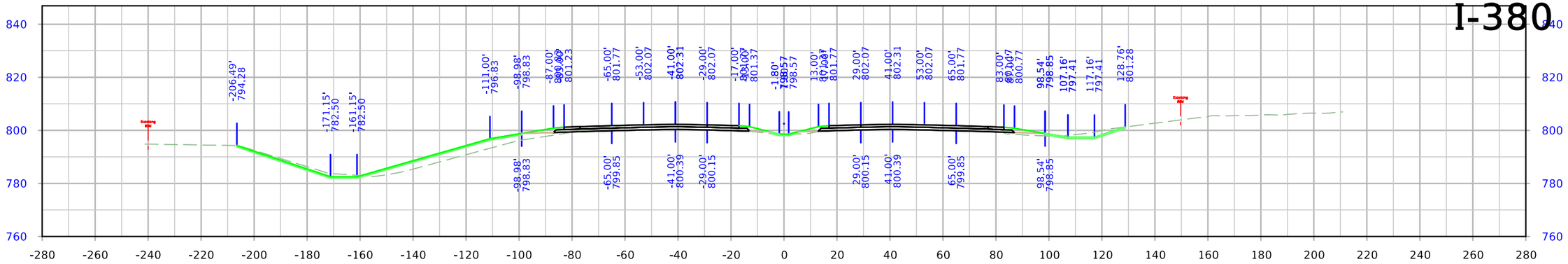


STA. 1754+00.00

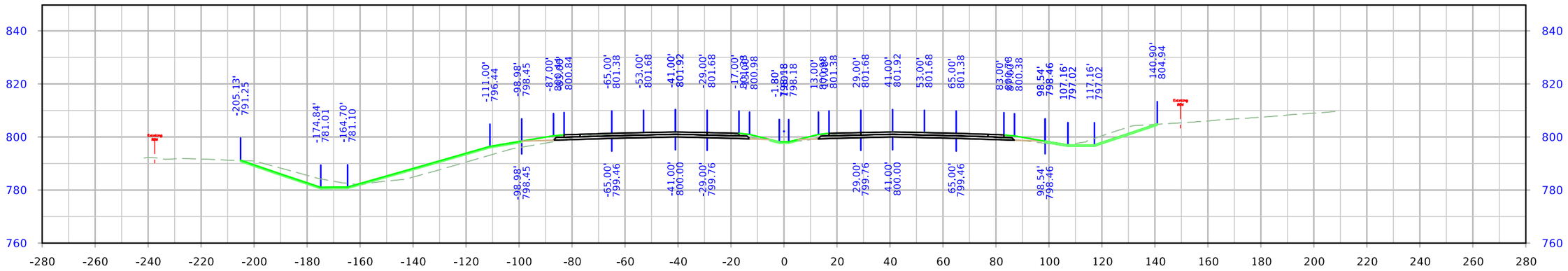
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.008

8:08:29 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

I-380



STA. 1756+00.00



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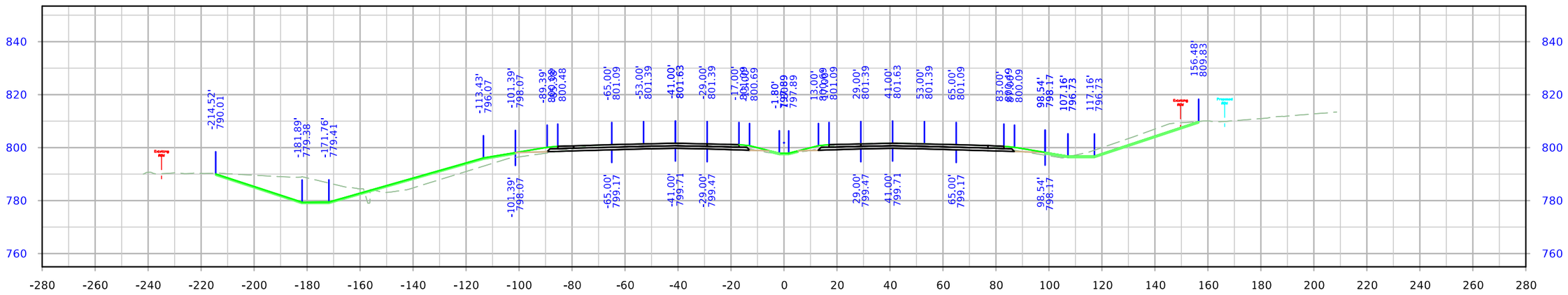
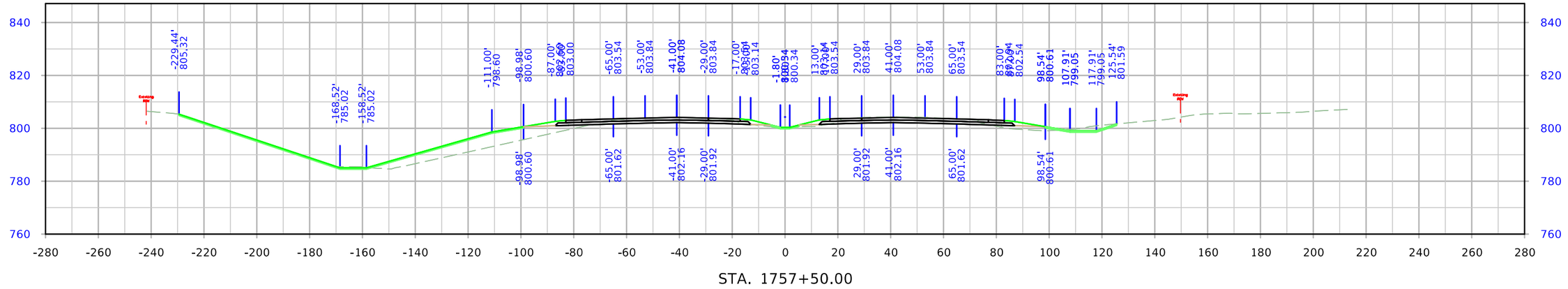


STA. 1755+00.00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.009

8:08:37 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

I-380



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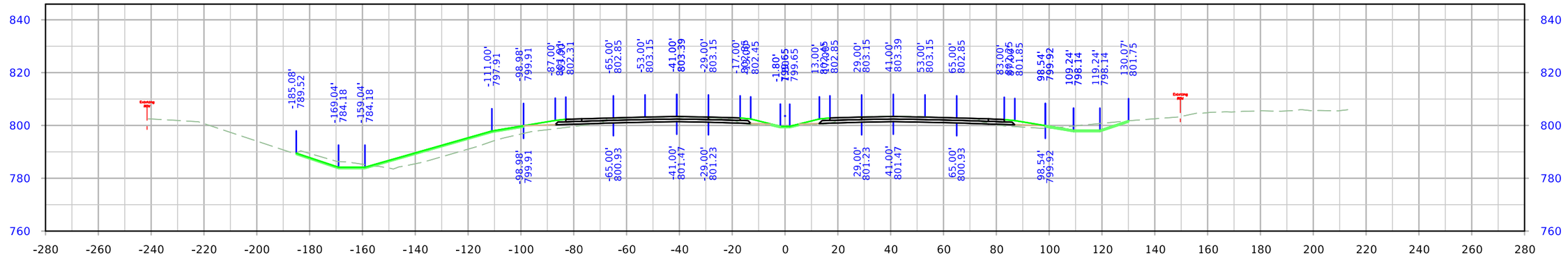

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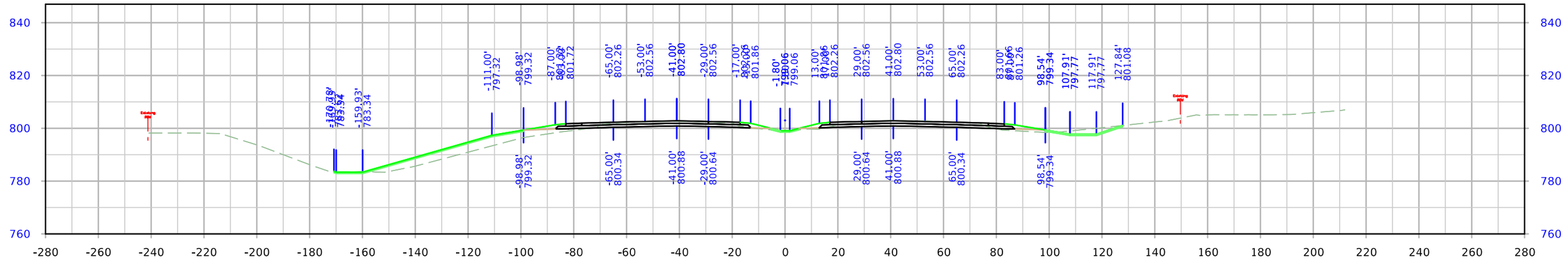

STA. 1756+50.00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.010

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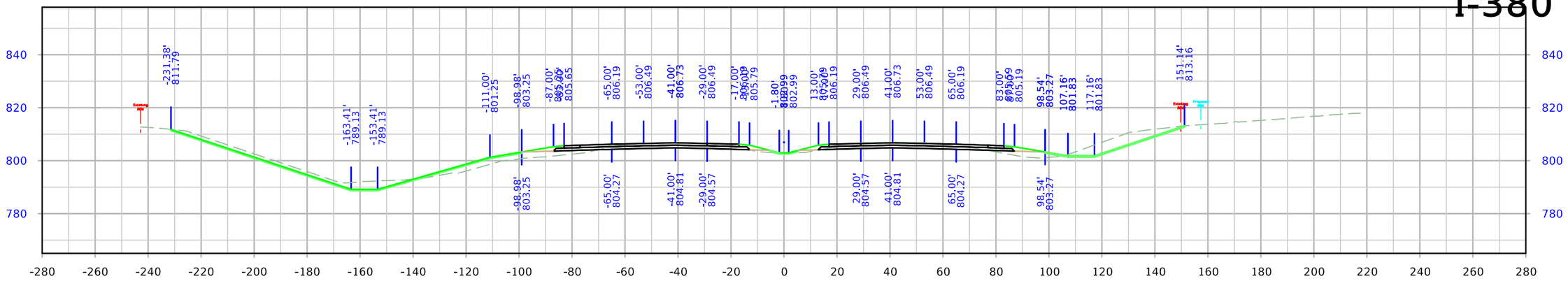
I-380



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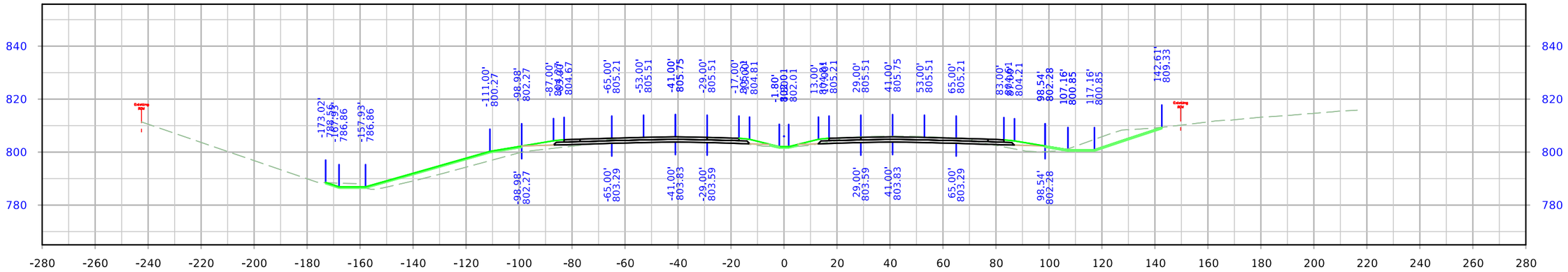
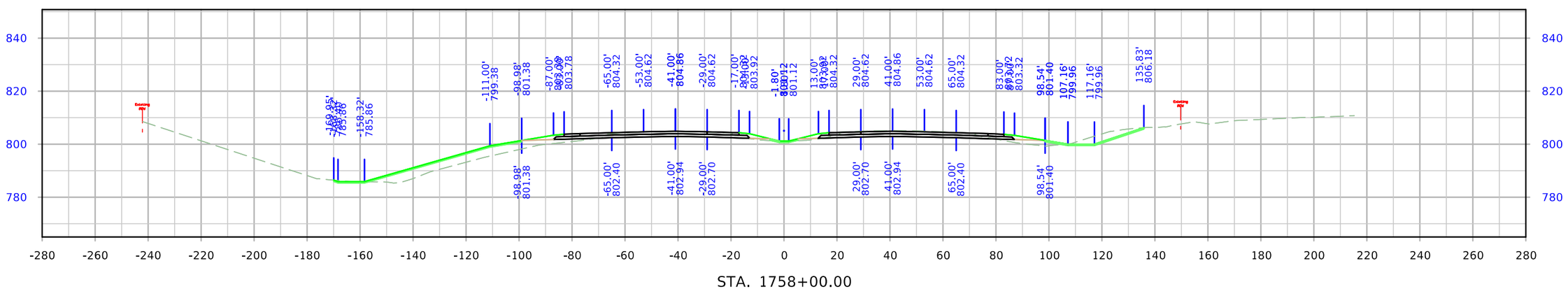


STA. 1758+50.00



STA. 1758+00.00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.011

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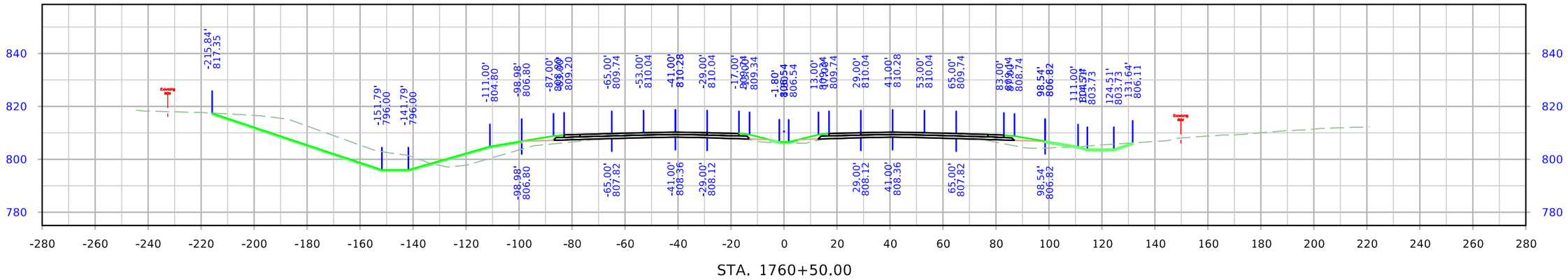
I-380



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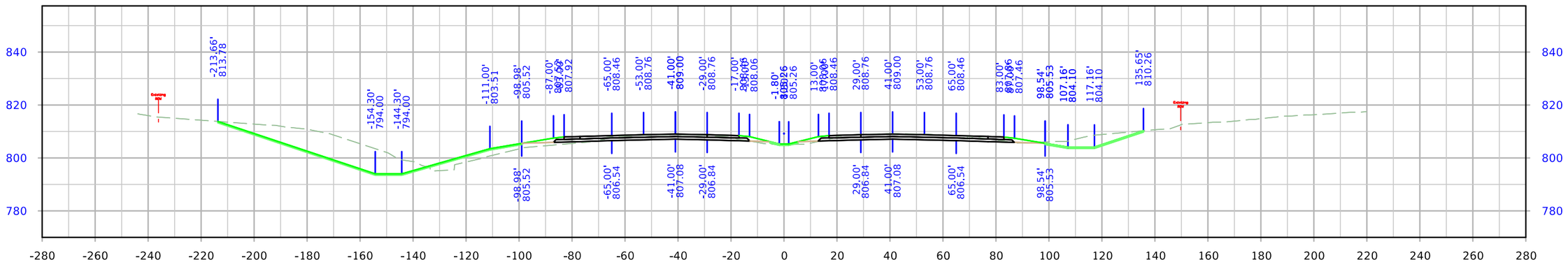

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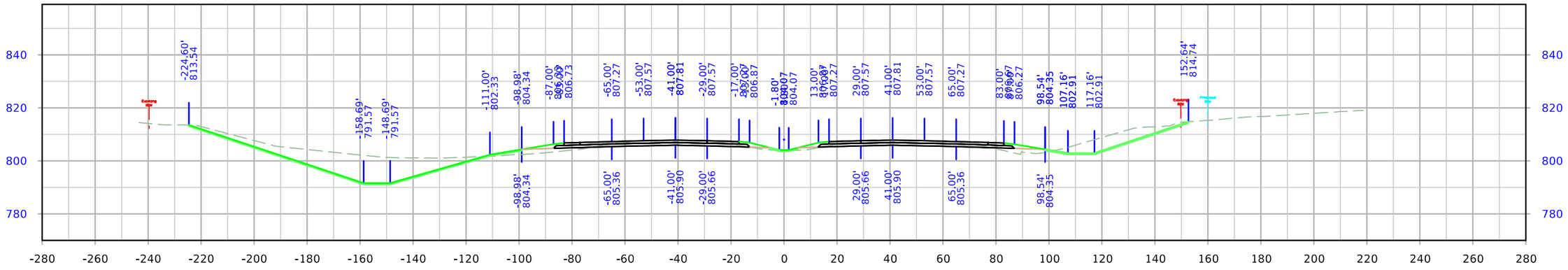

STA. 1759+50.00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.012

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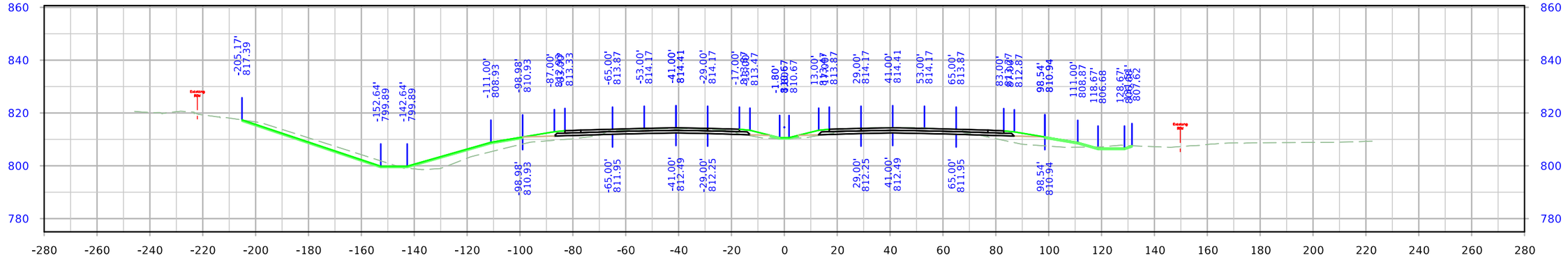
I-380



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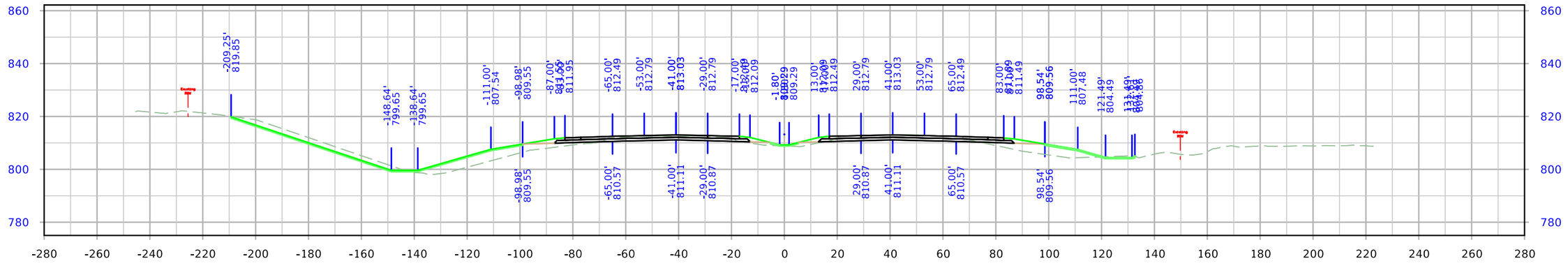
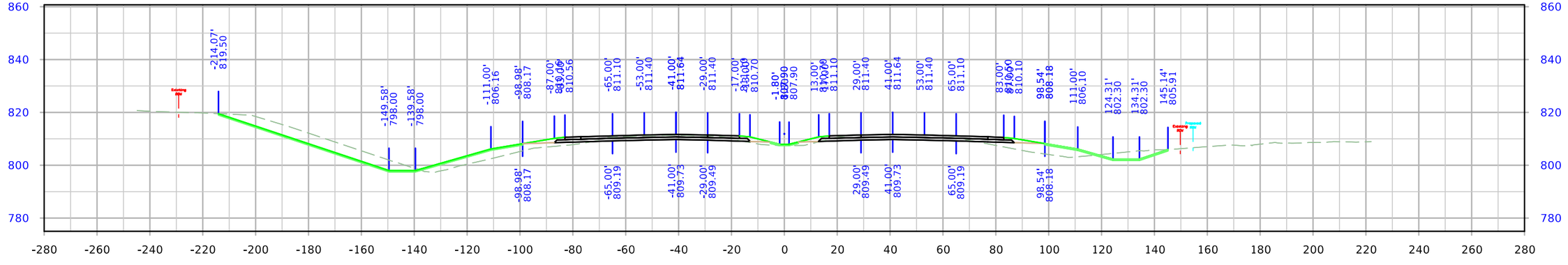


STA. 1761+50.00



STA. 1761+00.00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.013

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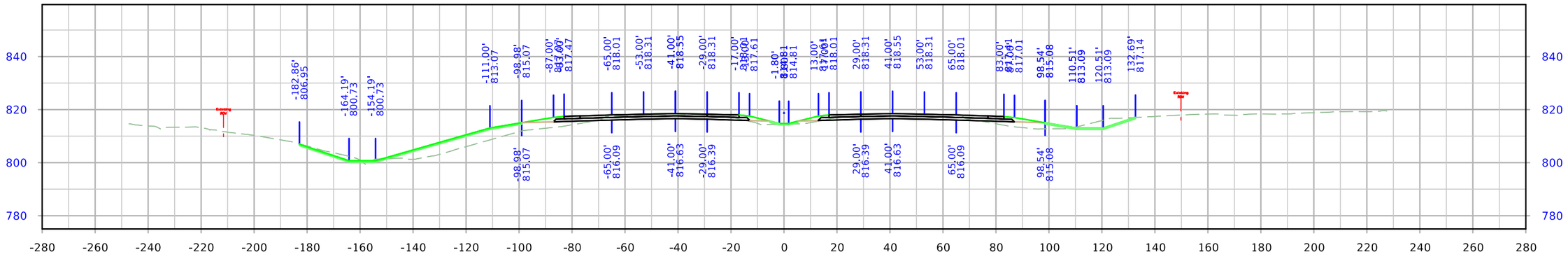
I-380



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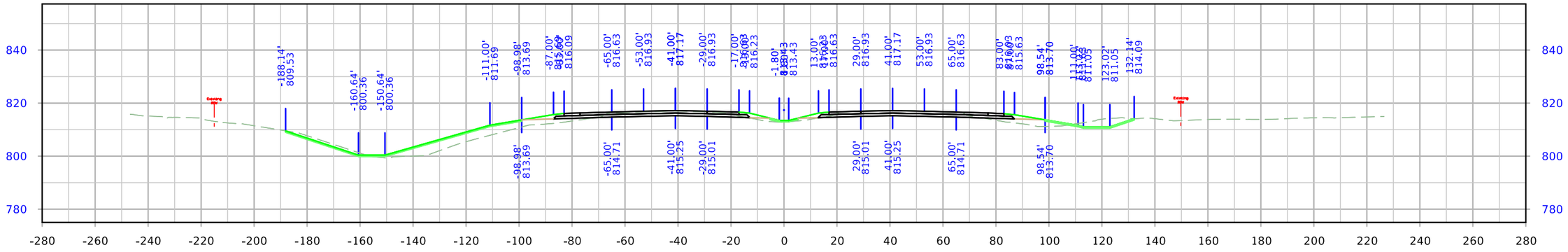

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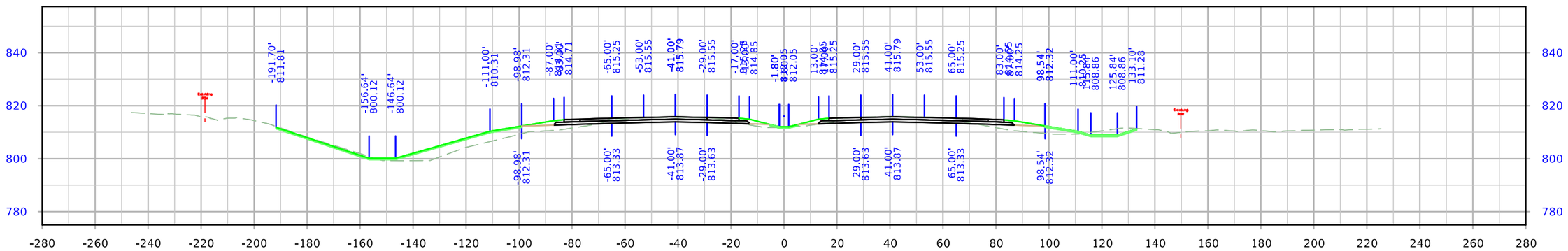

STA. 1762+50.00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.014

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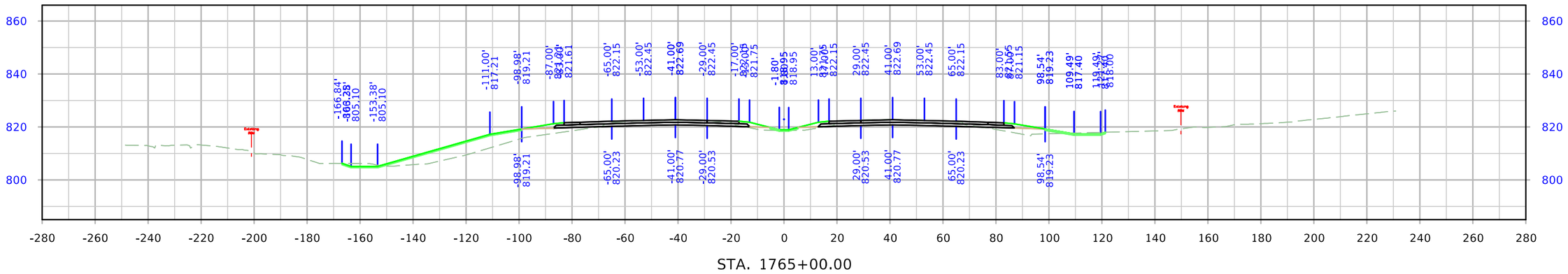
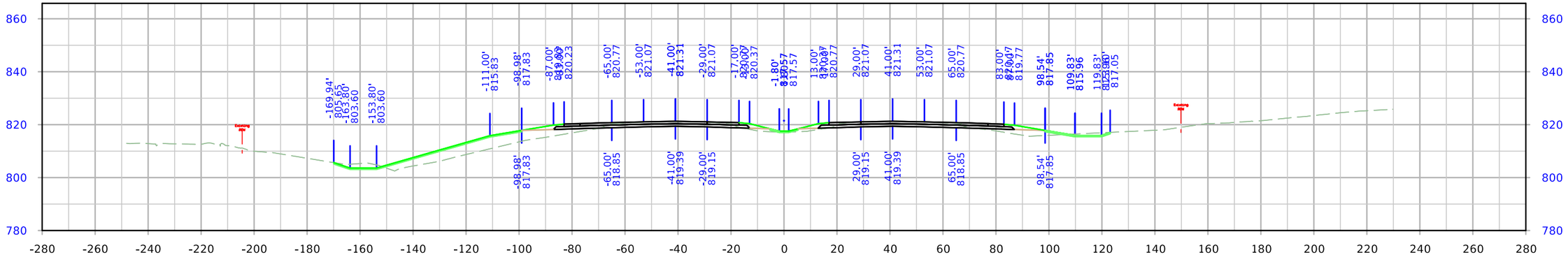
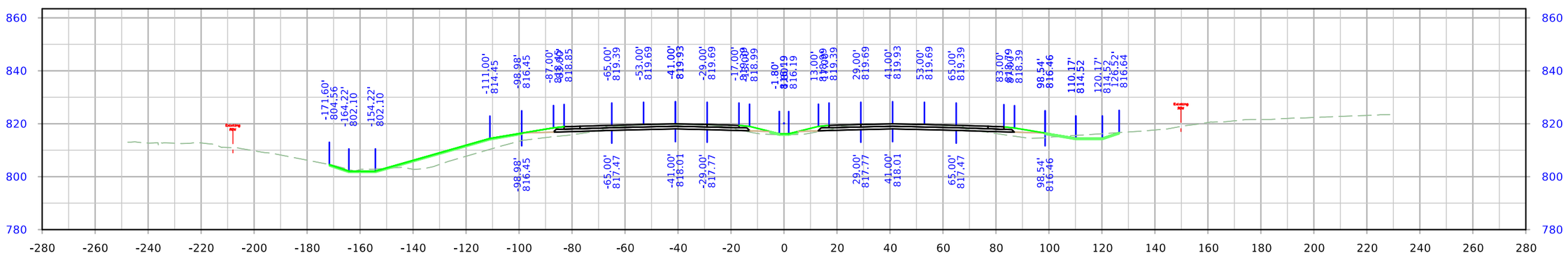
I-380



STA. 1765+00.00



STA. 1764+50.00

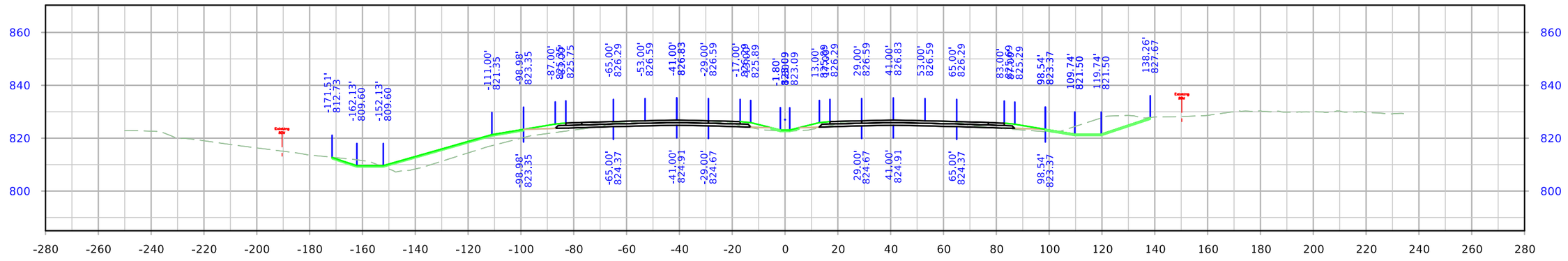


STA. 1764+00.00

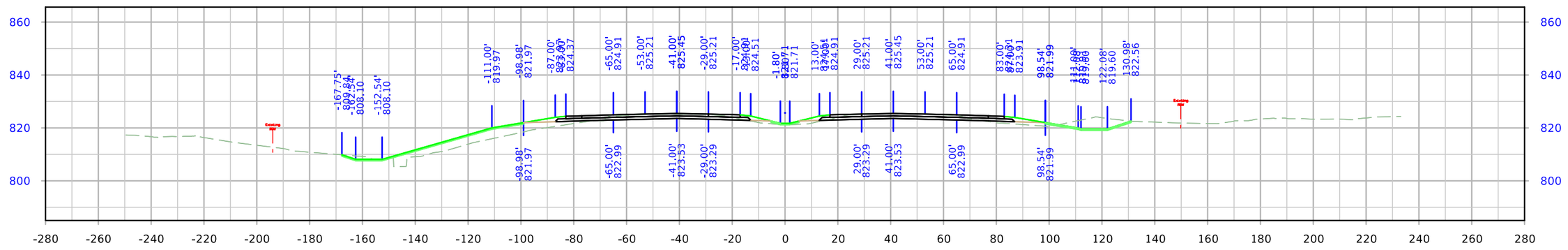
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.015

8:09:23 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

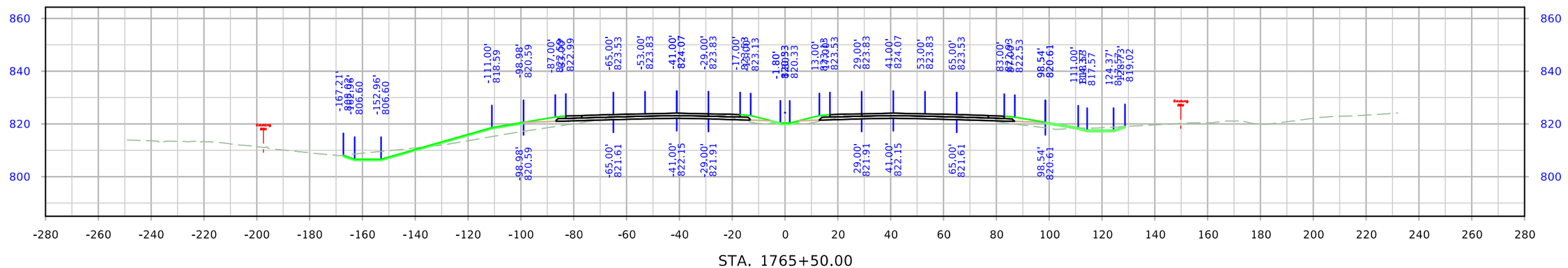
I-380



STA. 1766+50.00



STA. 1766+00.00

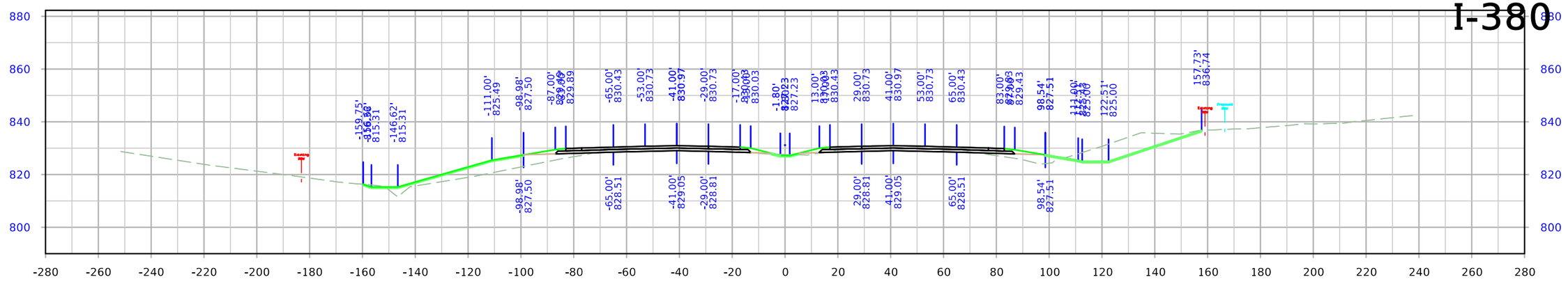


STA. 1765+50.00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.016

8:09:30 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

I-380



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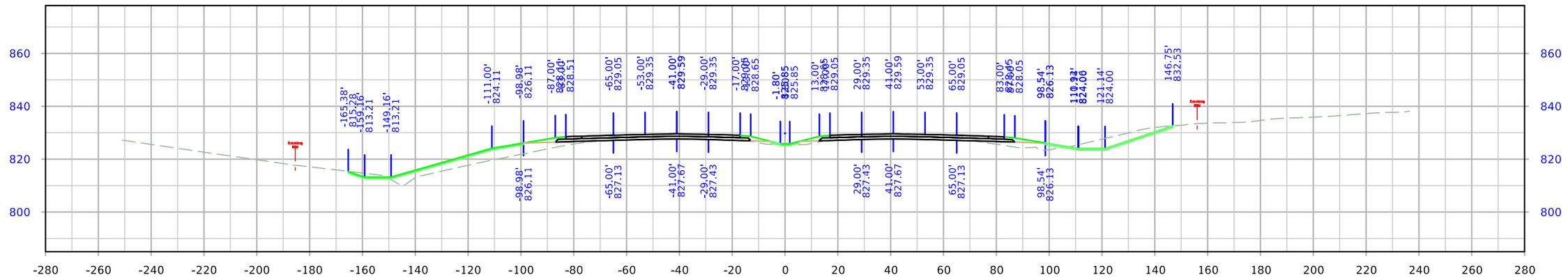

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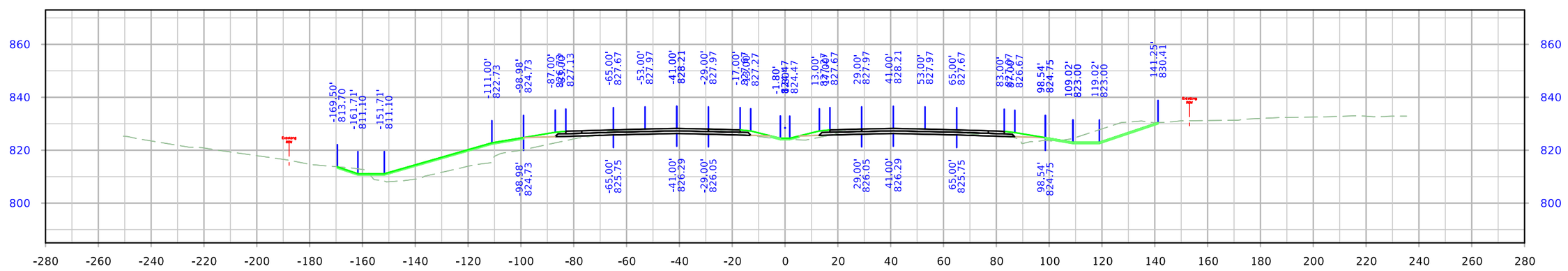
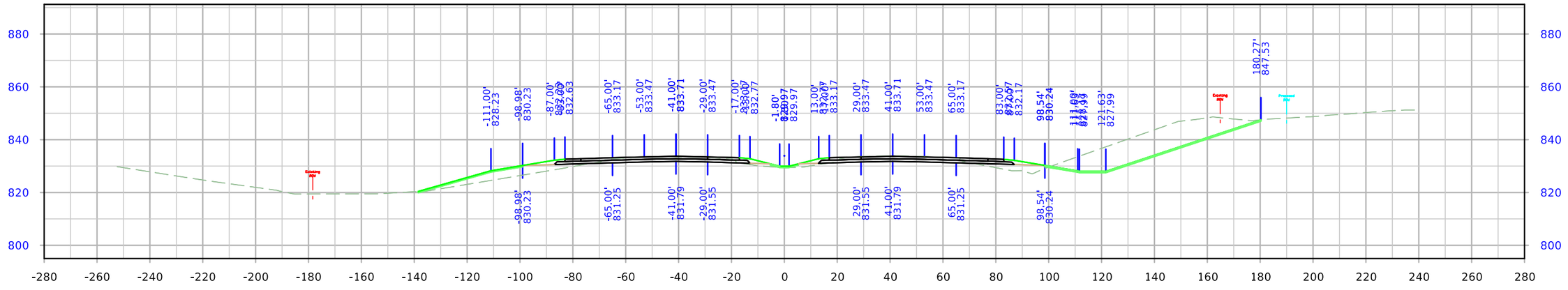


STA. 1767+00.00

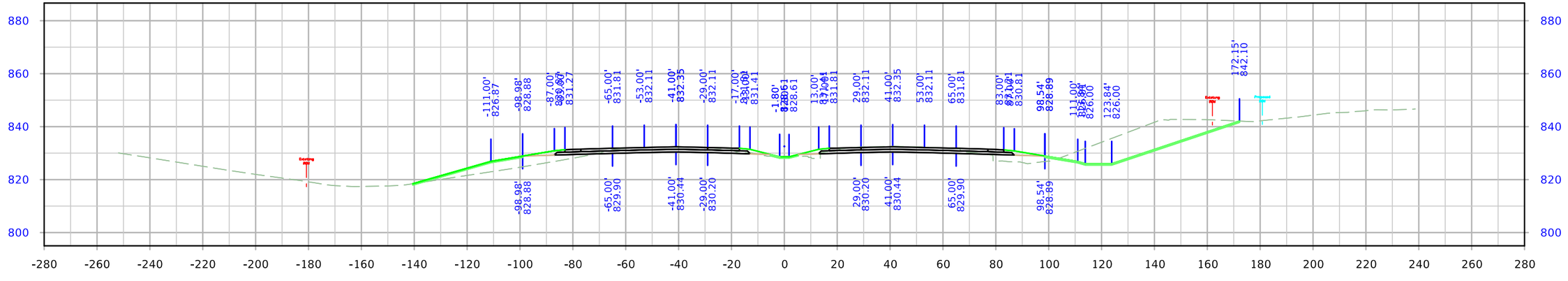
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.017

8:09:38 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

I-380



STA. 1769+00.00

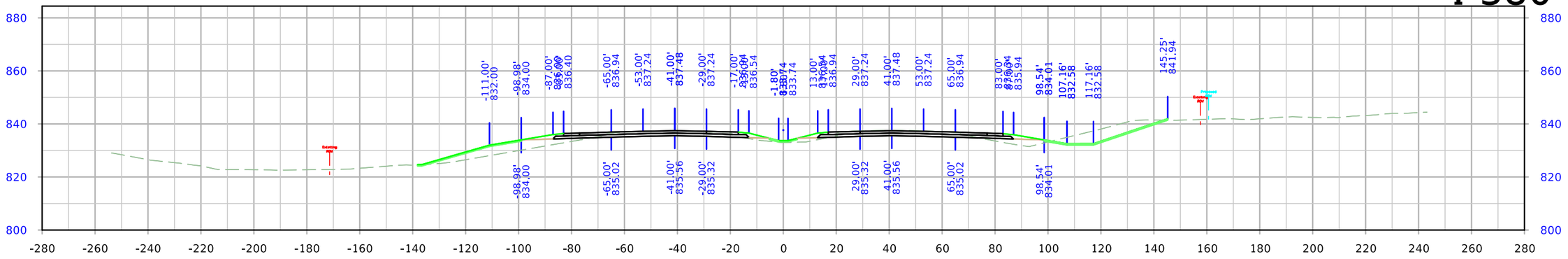


STA. 1768+50.00

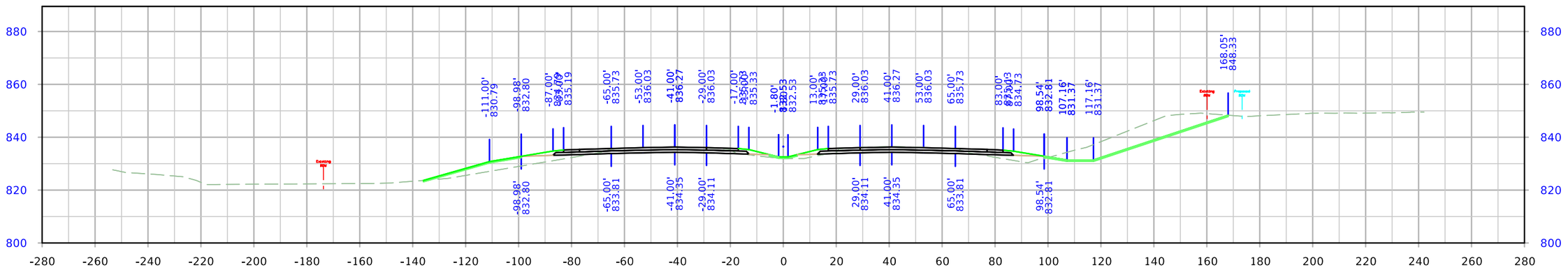
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.018

8:09:45 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

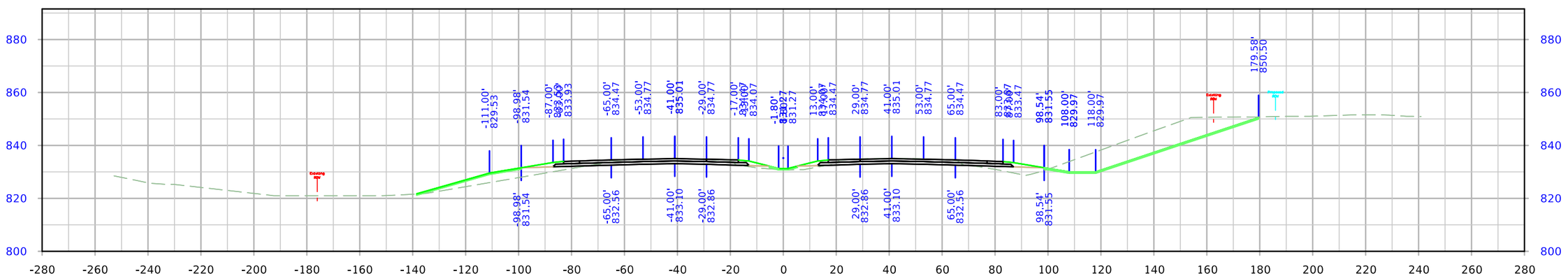
I-380



STA. 1770+50.00



STA. 1770+00.00

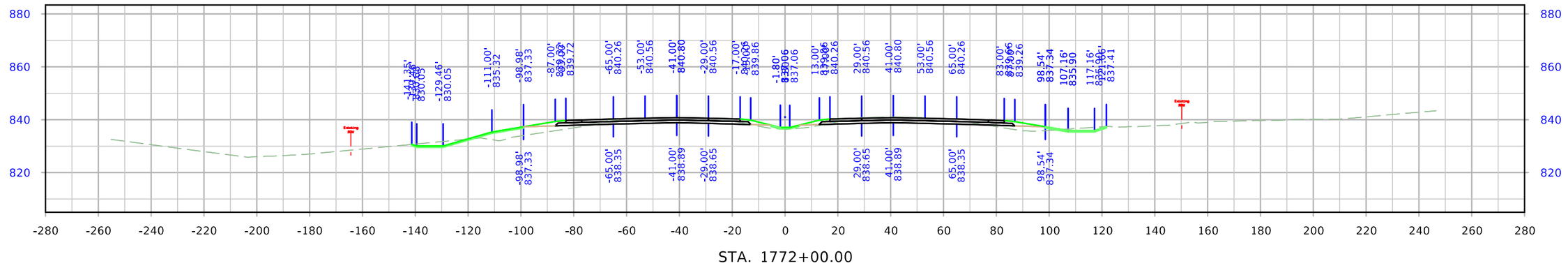


STA. 1769+50.00

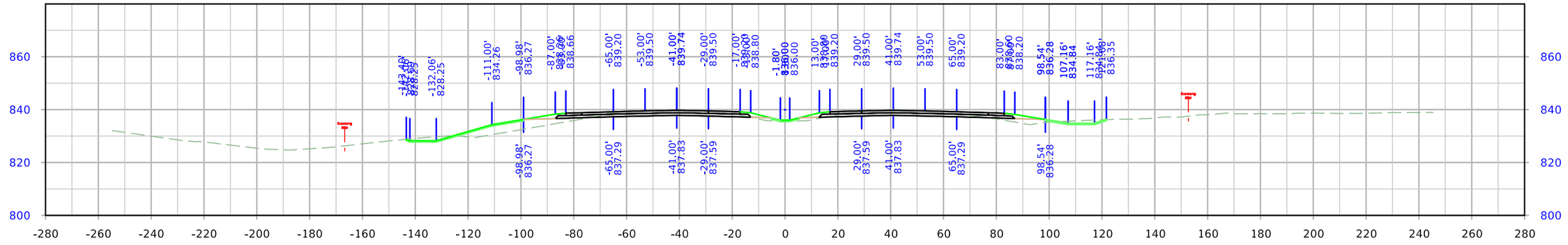
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.019

8:09:51 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

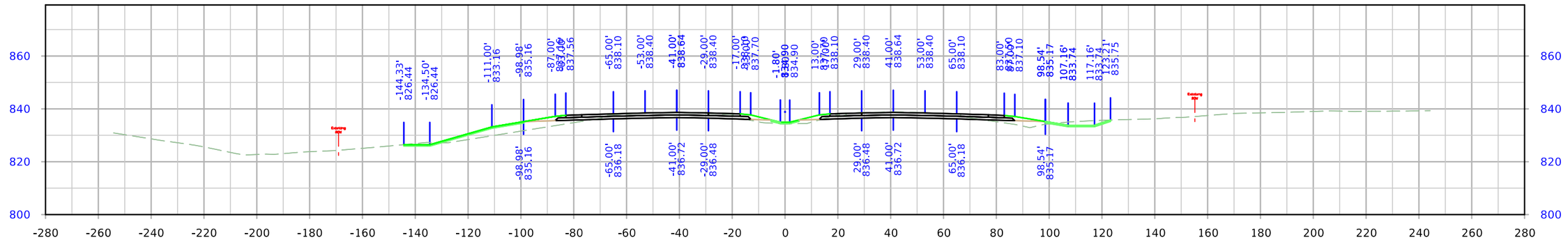
I-380



STA. 1772+00.00



STA. 1771+50.00

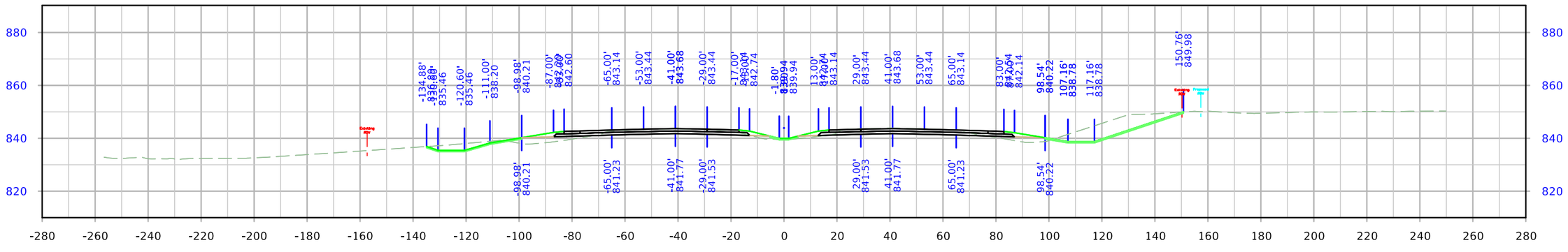


STA. 1771+00.00

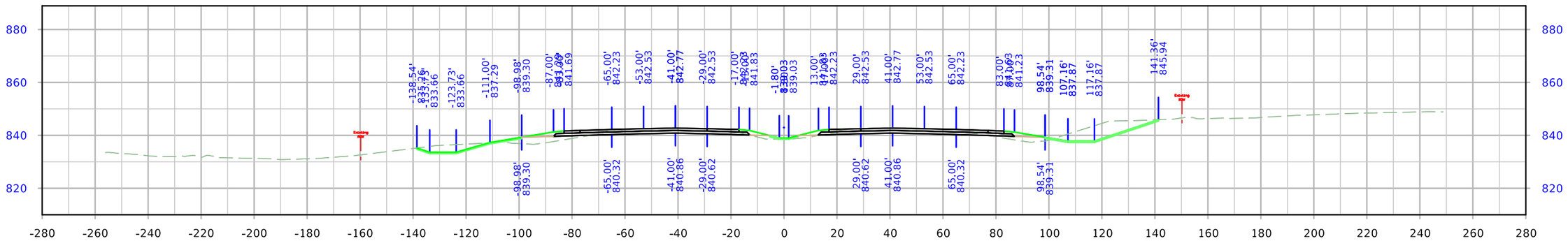
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.020

8:09:59 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

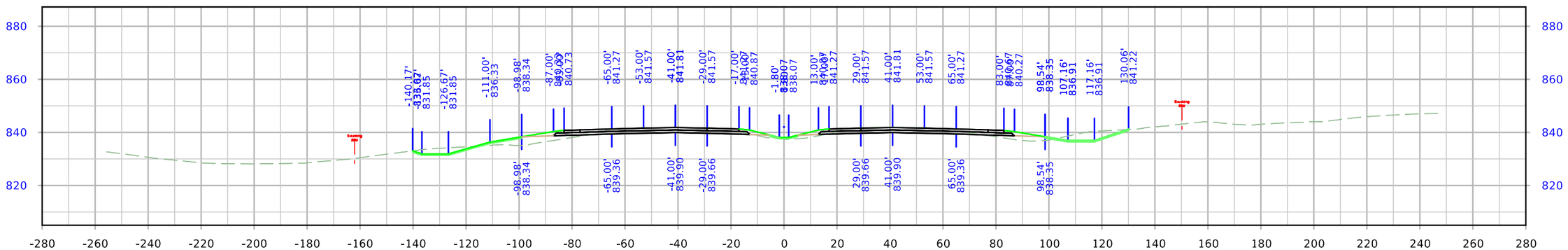
I-380



STA. 1773+50.00



STA. 1772+50.00

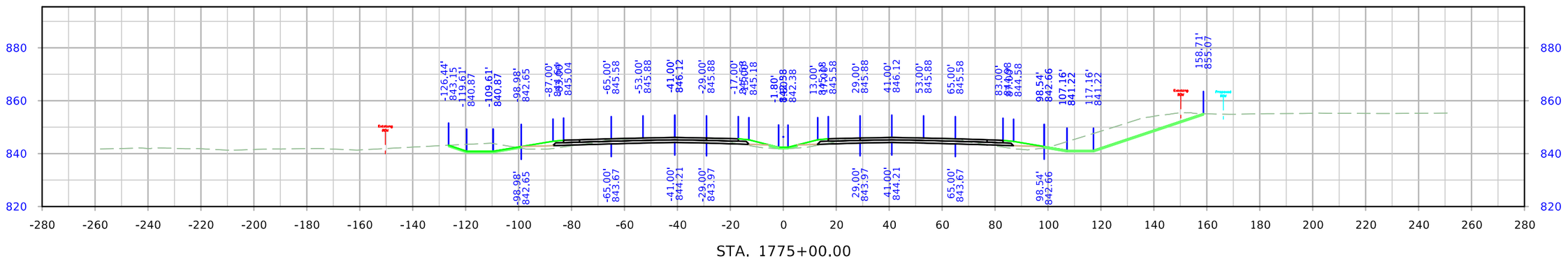


STA. 1772+50.00

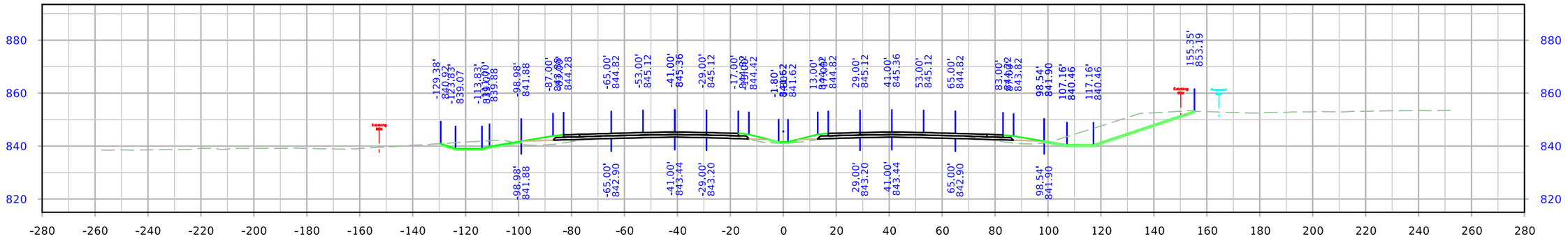
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.021

8:10:07 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

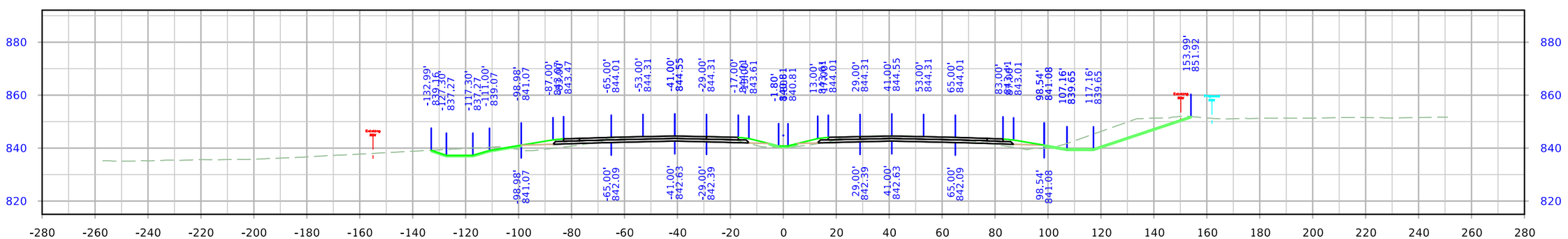
I-380



STA. 1775+00.00



STA. 1774+50.00

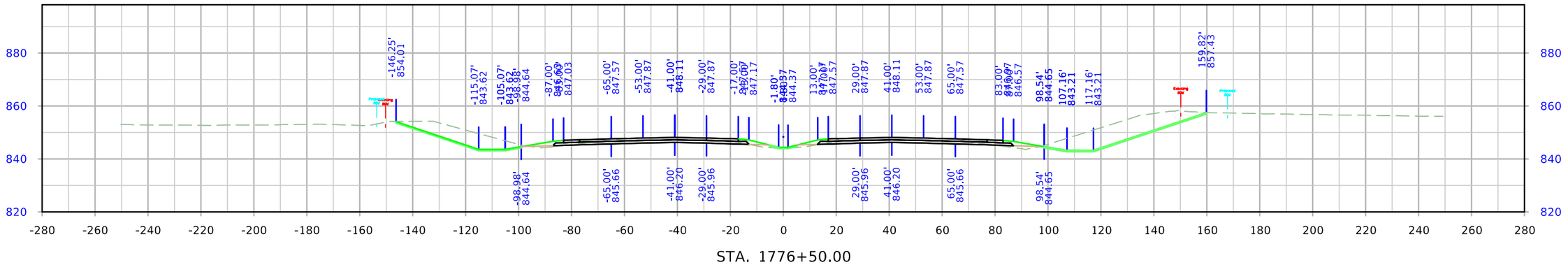


STA. 1774+00.00

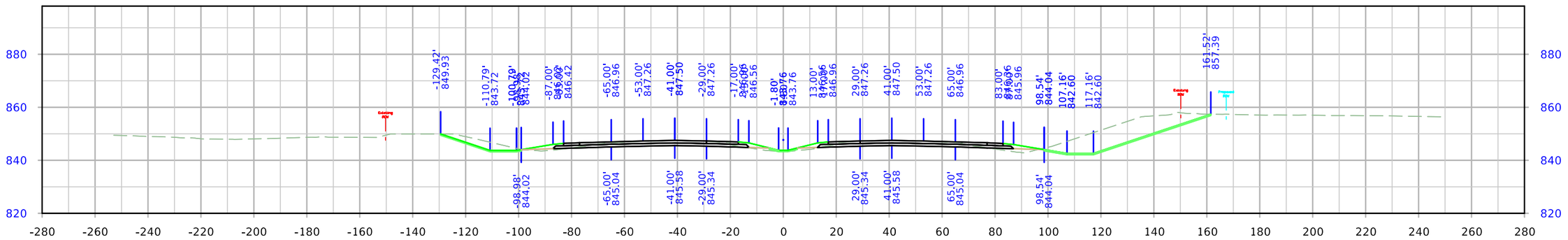
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.022

8:10:16 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

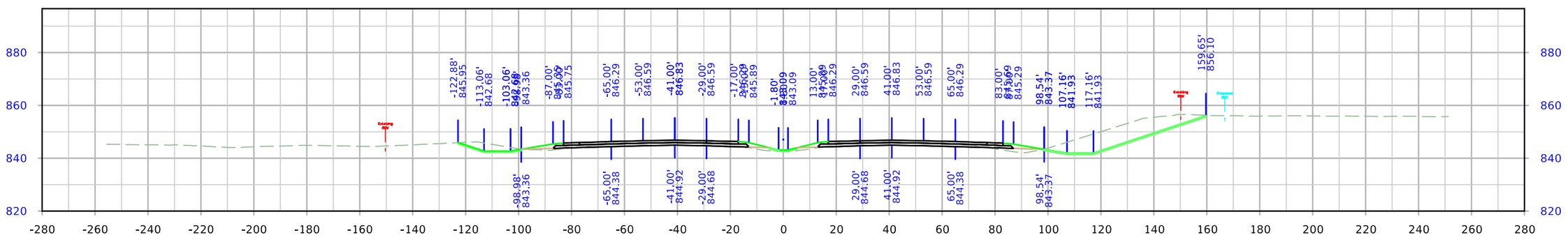
I-380



STA. 1776+50.00



STA. 1776+00.00

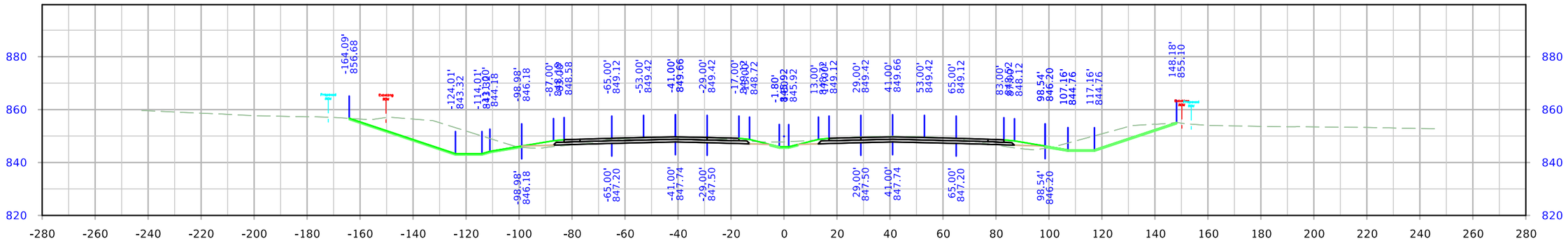


STA. 1775+50.00

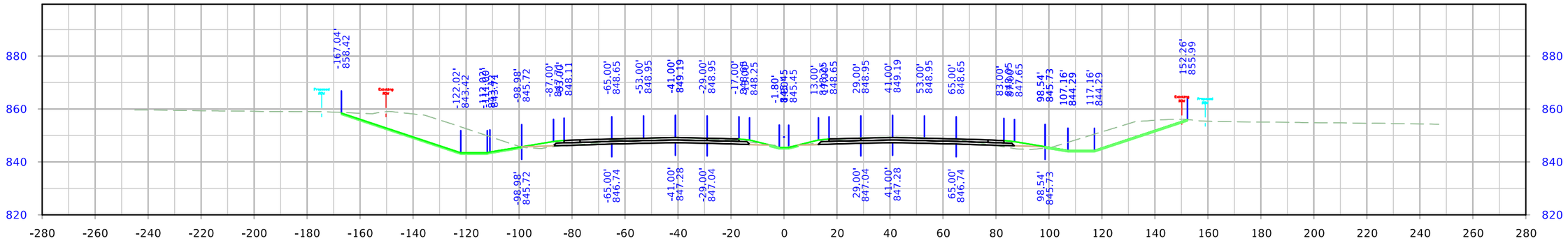
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.023

8:10:23 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

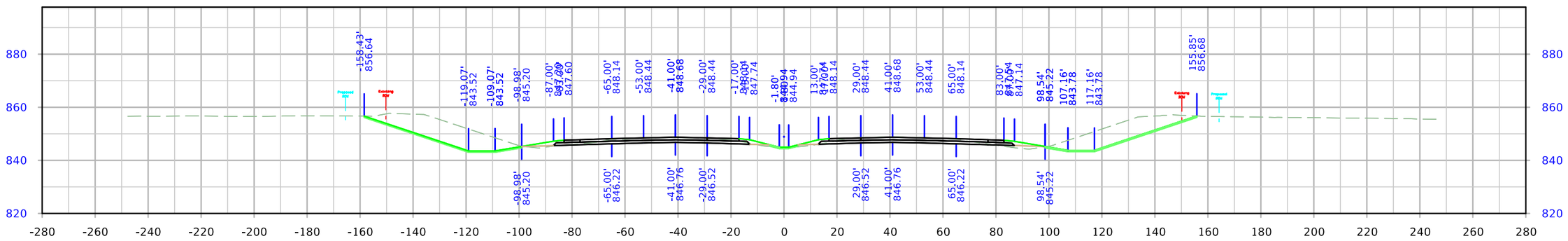
I-380



STA. 1778+00.00



STA. 1777+50.00

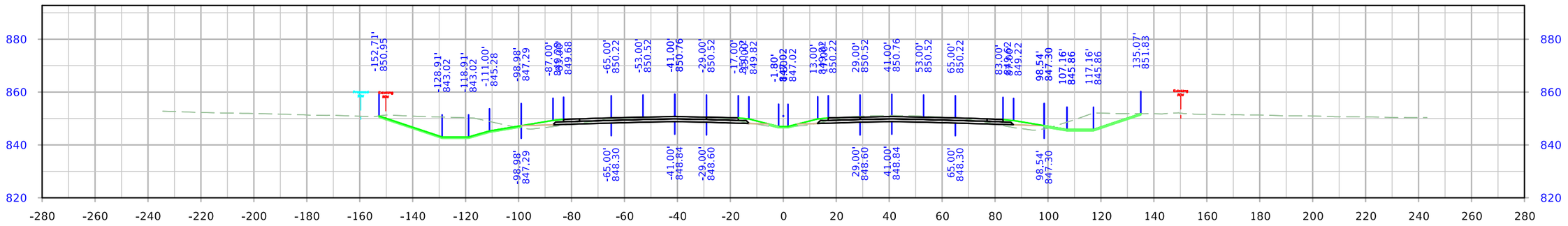


STA. 1777+00.00

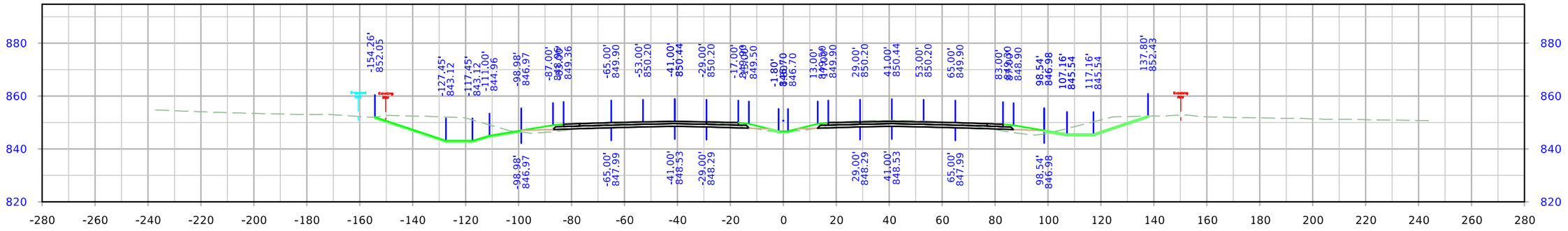
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.024

8:10:31 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

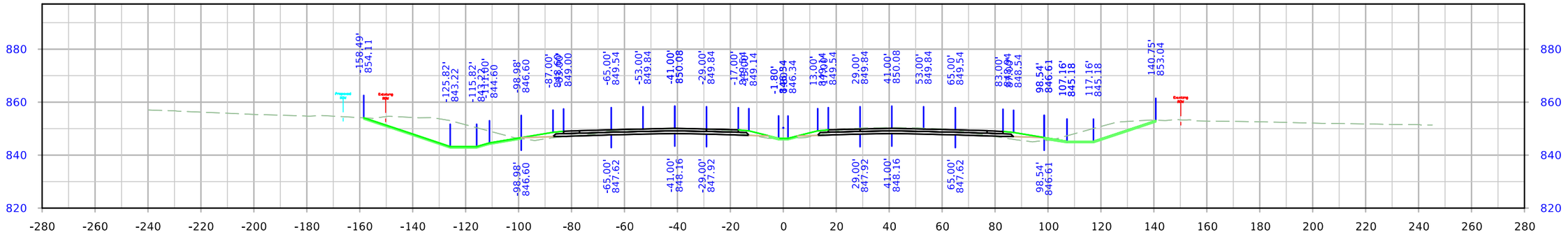
I-380



STA. 1779+50.00



STA. 1779+00.00

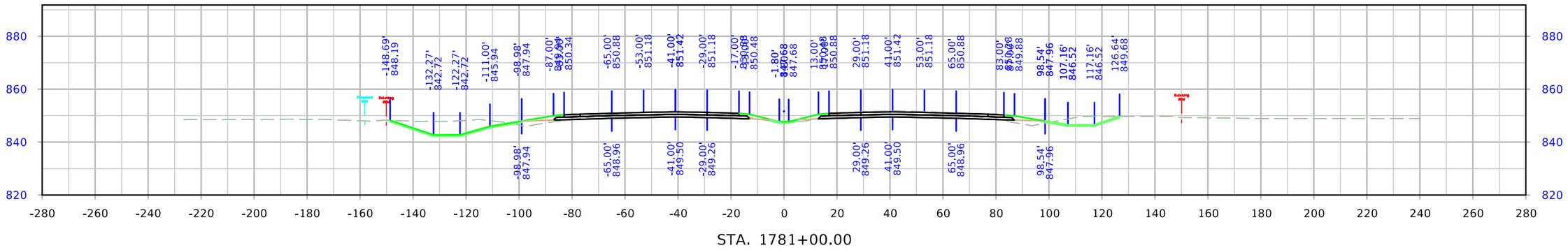


STA. 1778+50.00

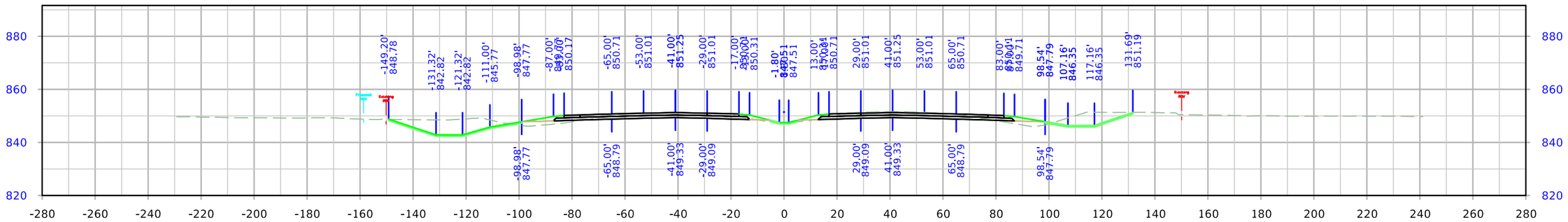
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.025

8:10:38 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

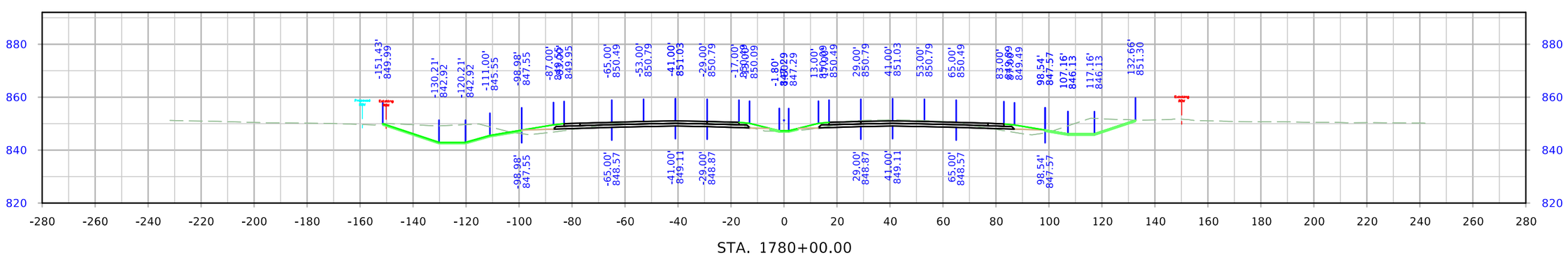
I-380



STA. 1781+00.00



STA. 1780+50.00

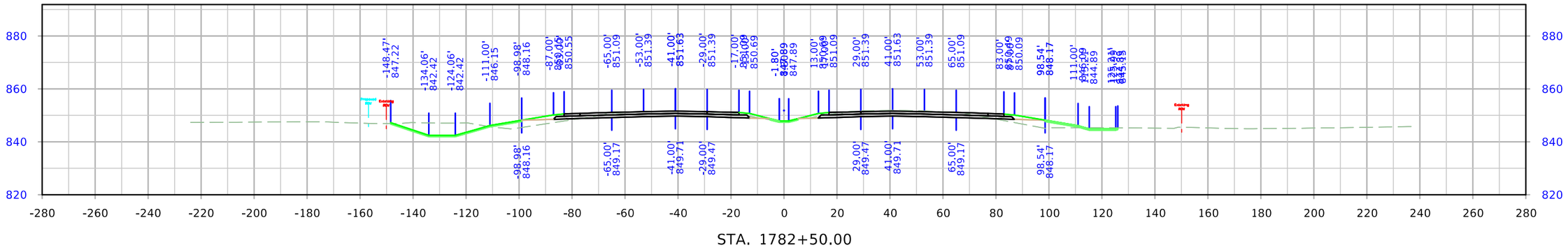


STA. 1780+00.00

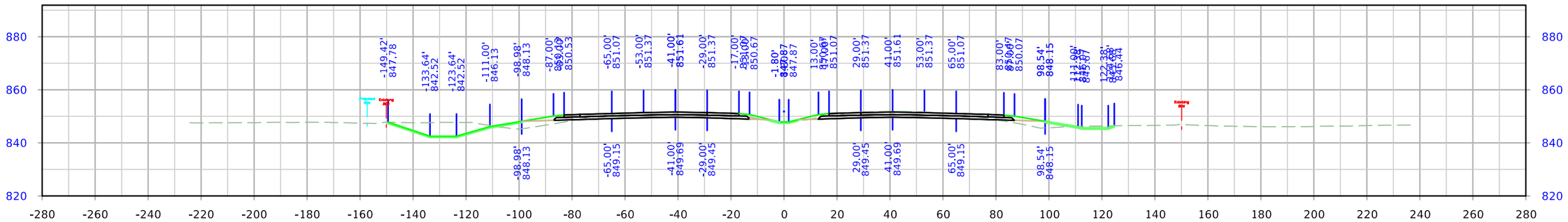
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.026

8:10:46 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

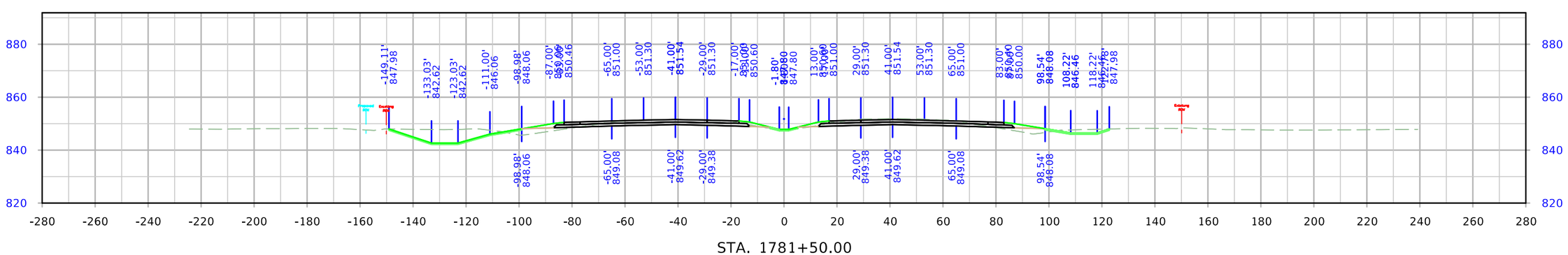
I-380



STA. 1782+50.00



STA. 1782+00.00

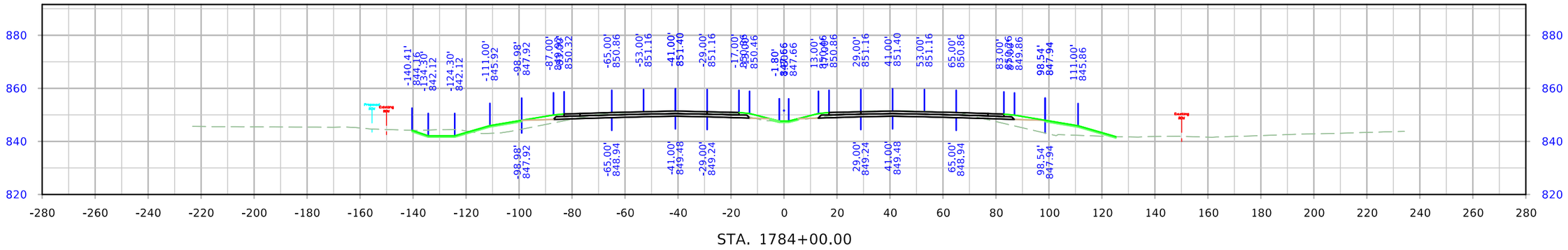


STA. 1781+50.00

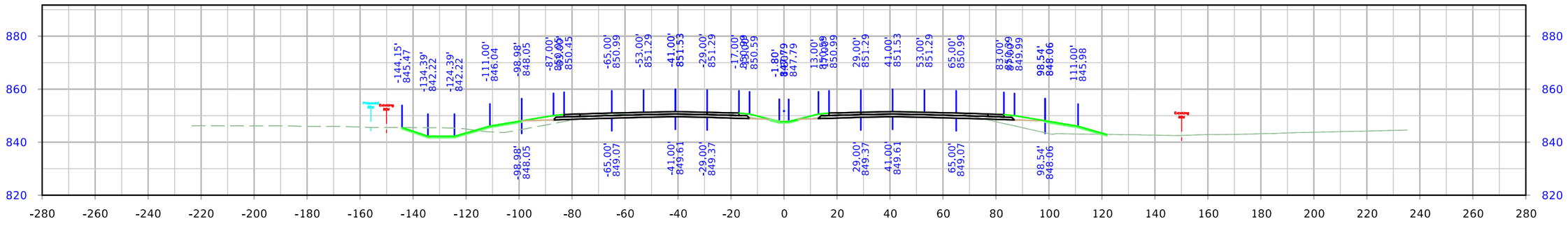
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.027

8:10:53 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

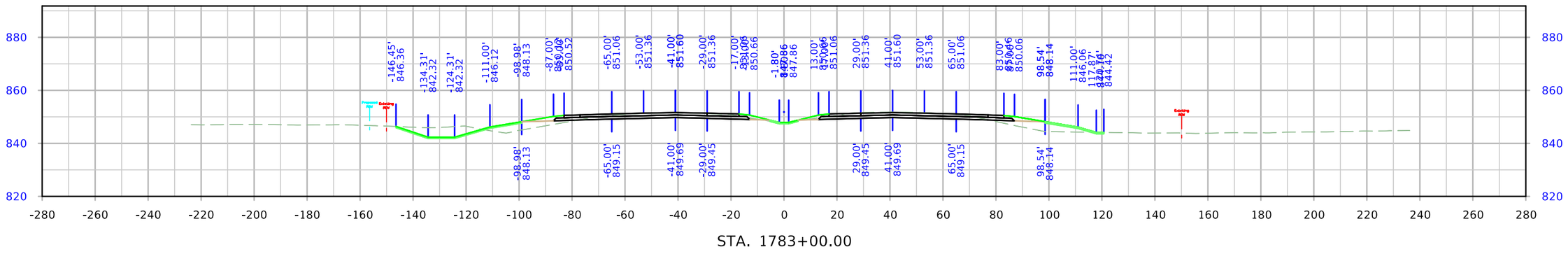
I-380



STA. 1784+00.00



STA. 1783+50.00

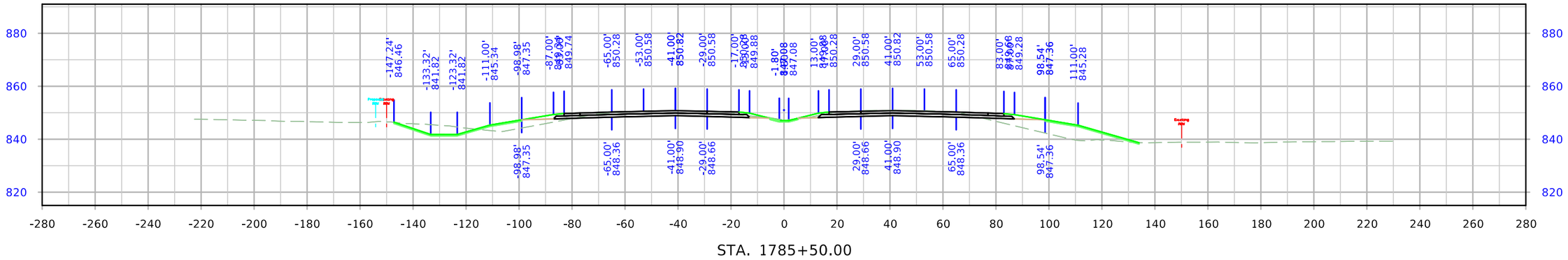


STA. 1783+00.00

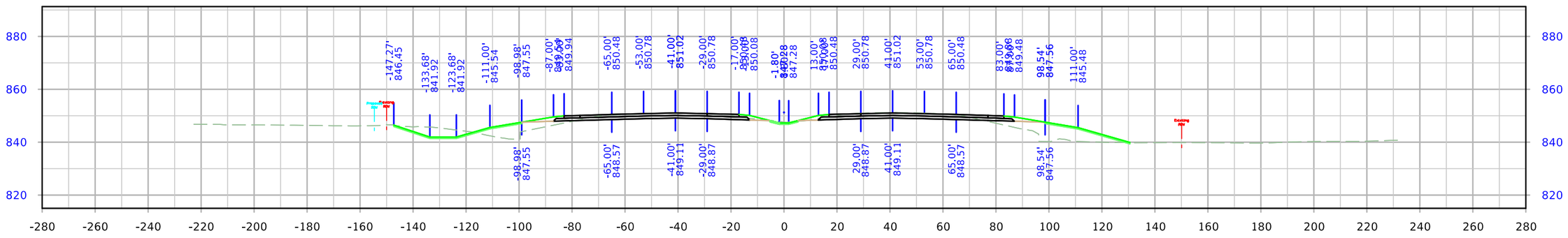
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.028

8:11:01 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

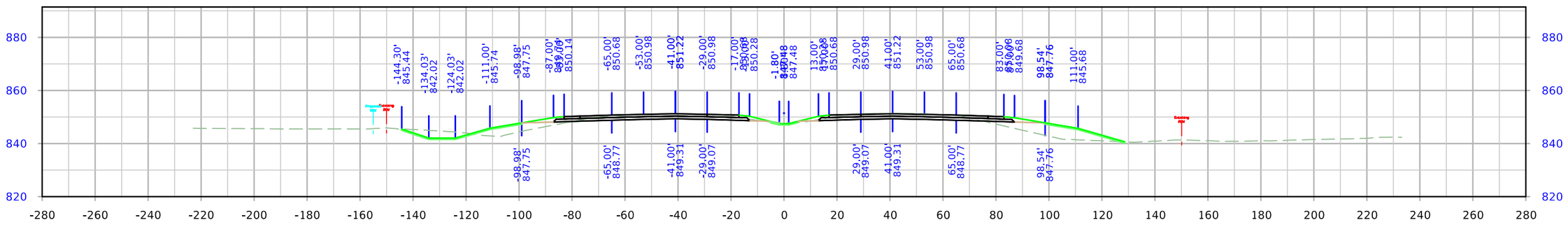
I-380



STA. 1785+50.00



STA. 1785+00.00

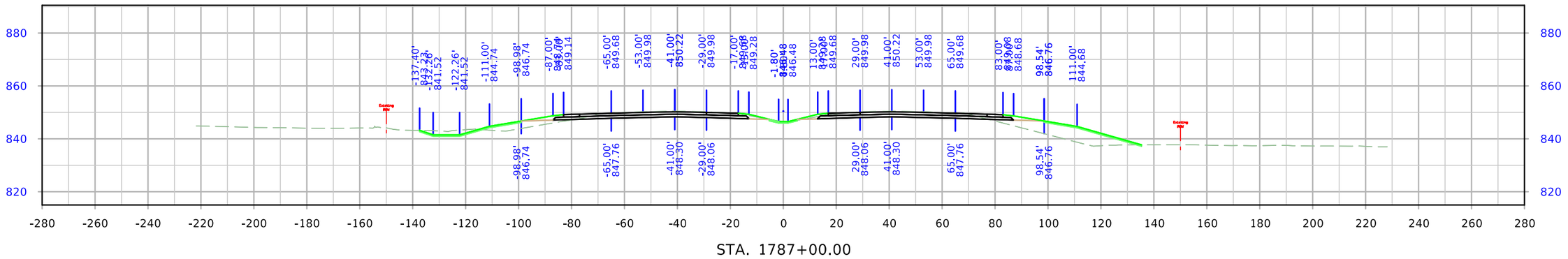


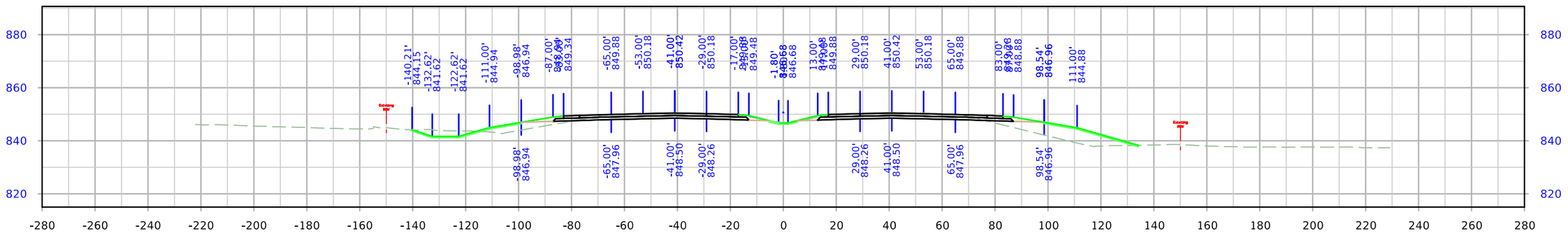
STA. 1784+50.00

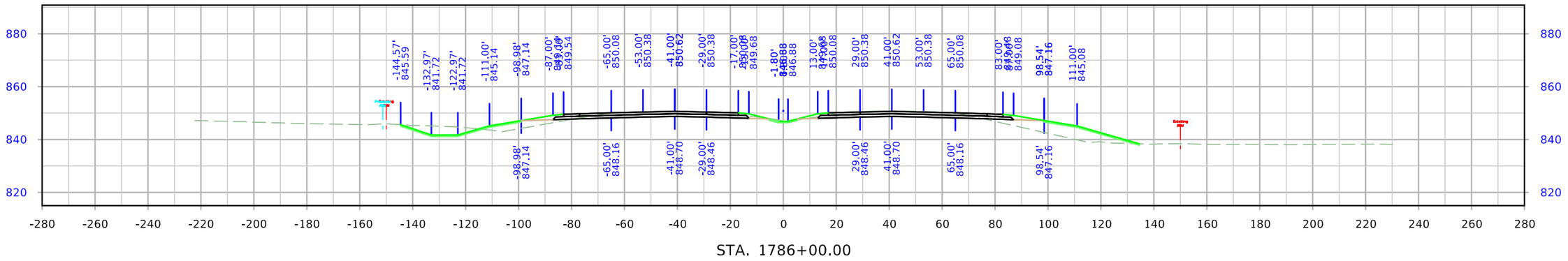
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.029	

8:11:10 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

I-380



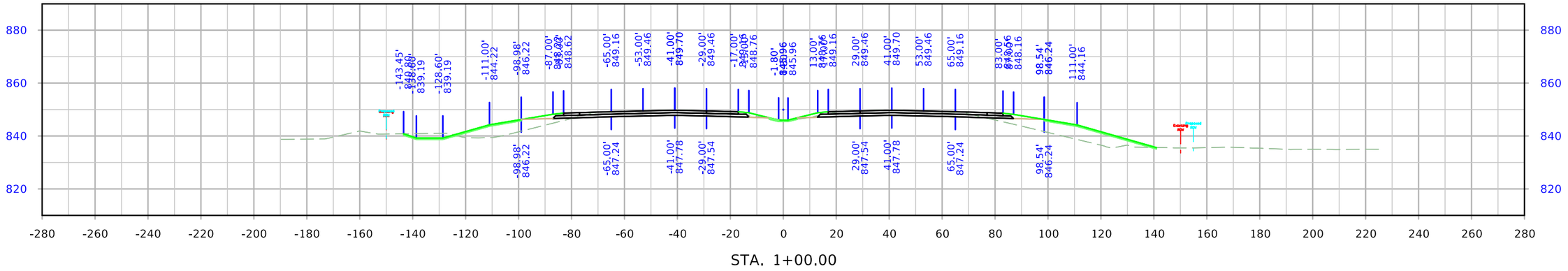




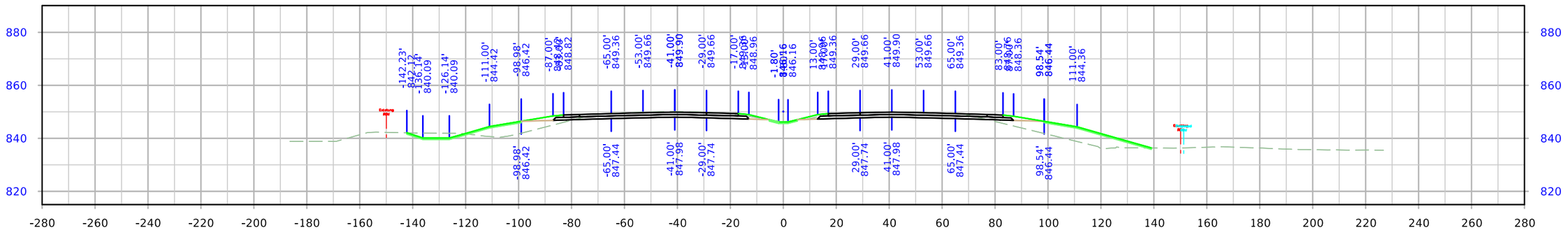
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.030	

8:11:18 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

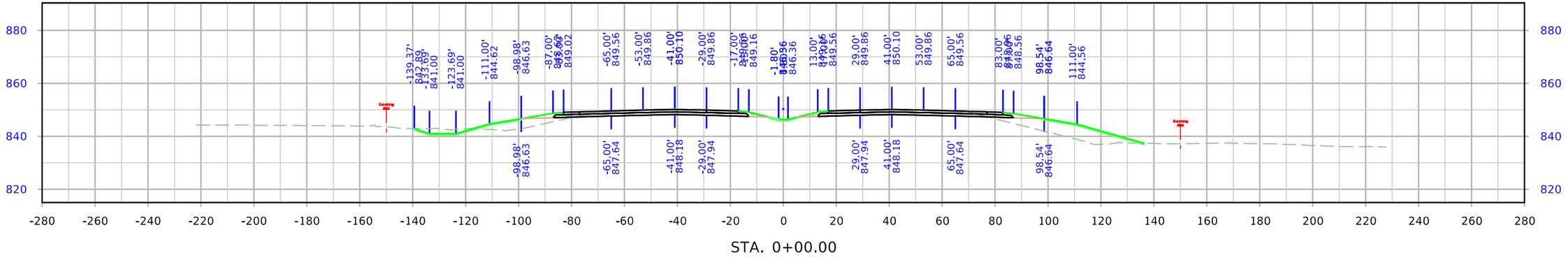
I-380



STA. 1+00.00



STA. 0+50.00

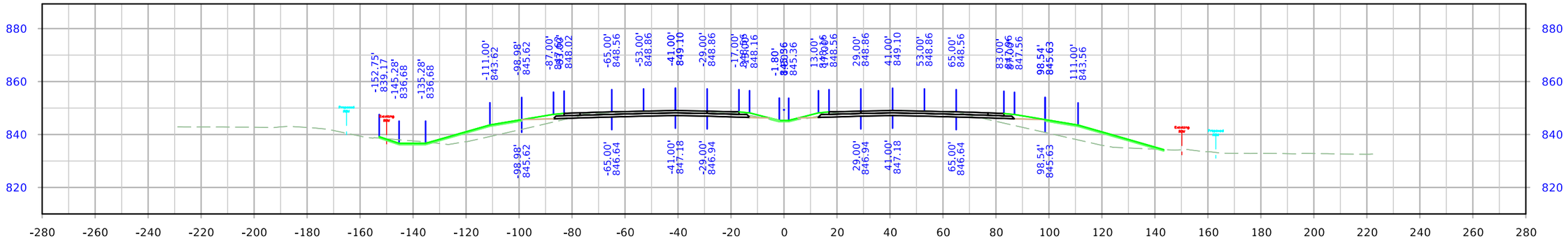


STA. 0+00.00

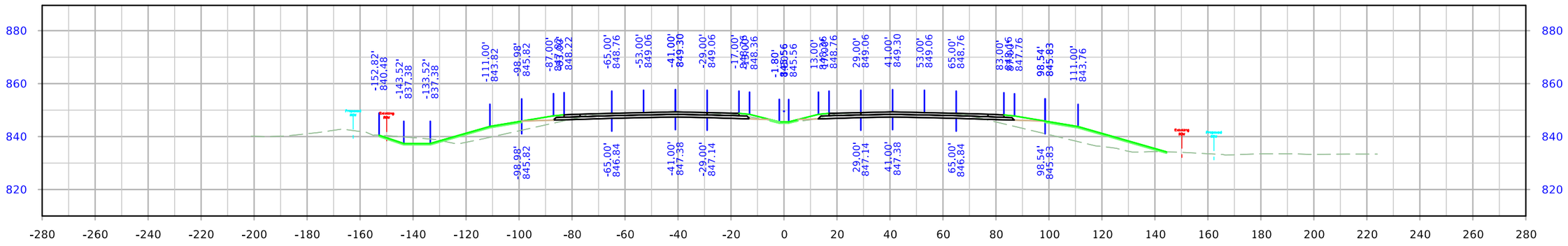
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.031

8:11:26 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

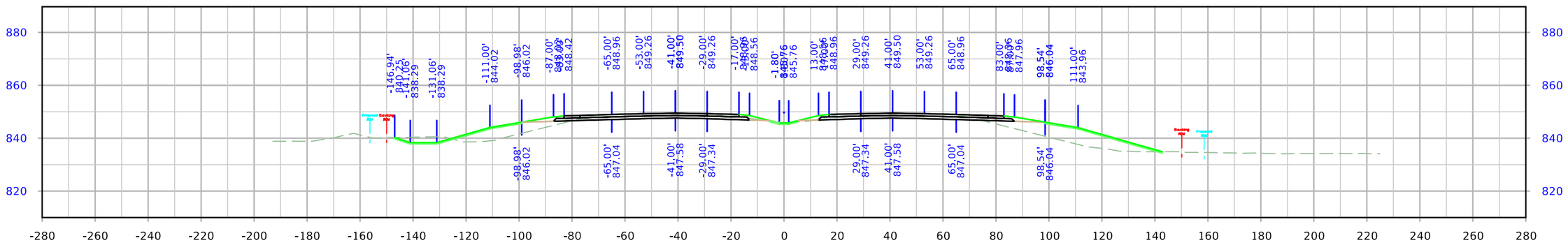
I-380



STA. 2+50.00



STA. 2+00.00

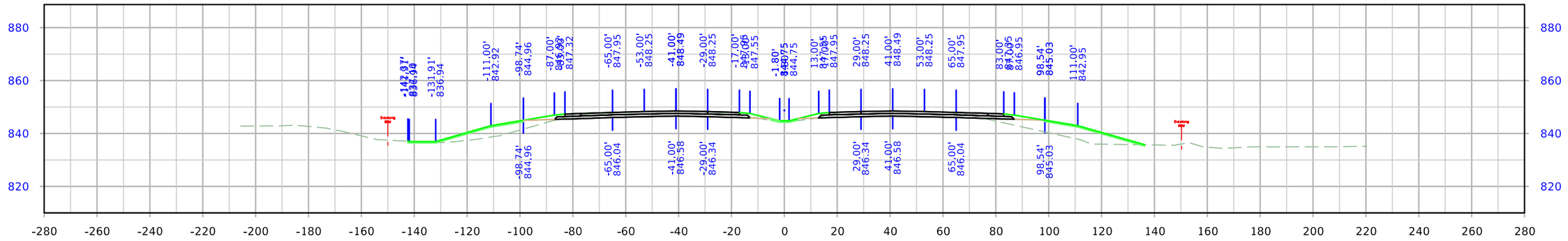


STA. 1+50.00

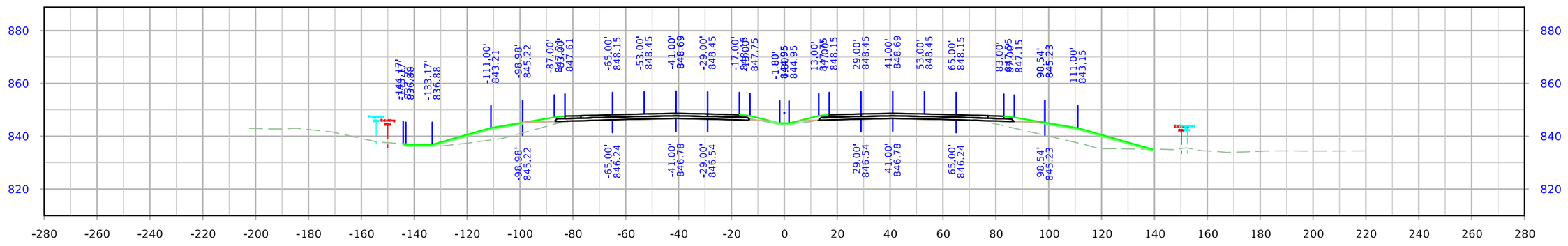
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.032

8:11:33 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

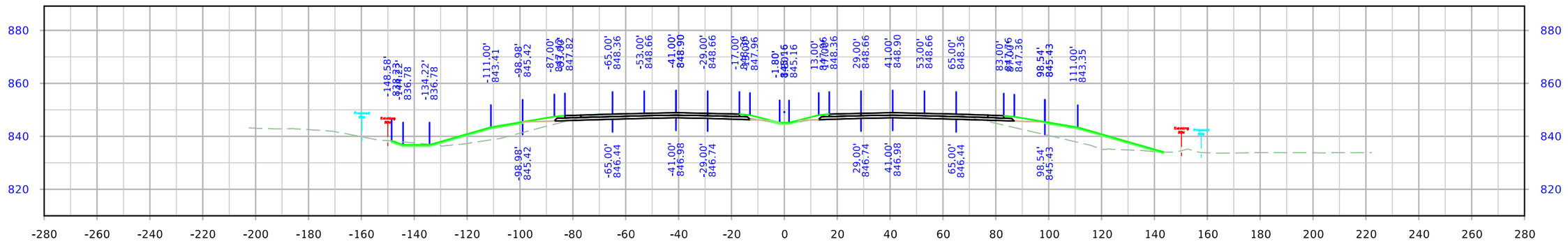
I-380



STA. 4+00.00



STA. 3+50.00

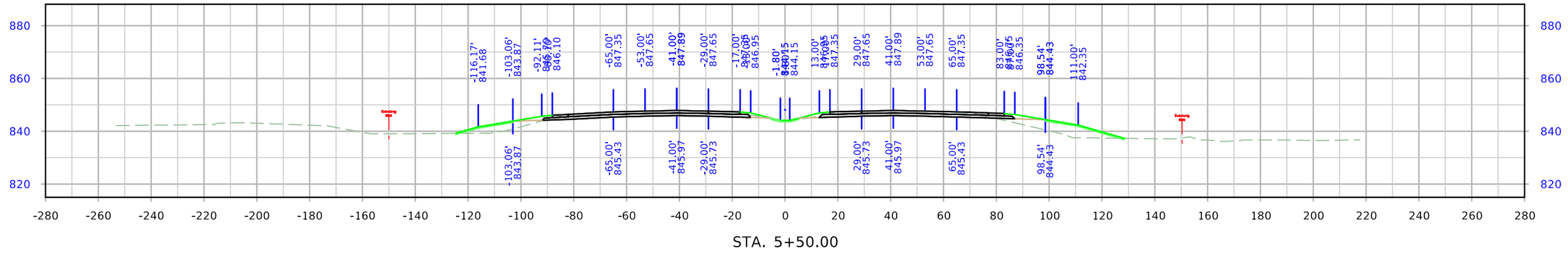


STA. 3+00.00

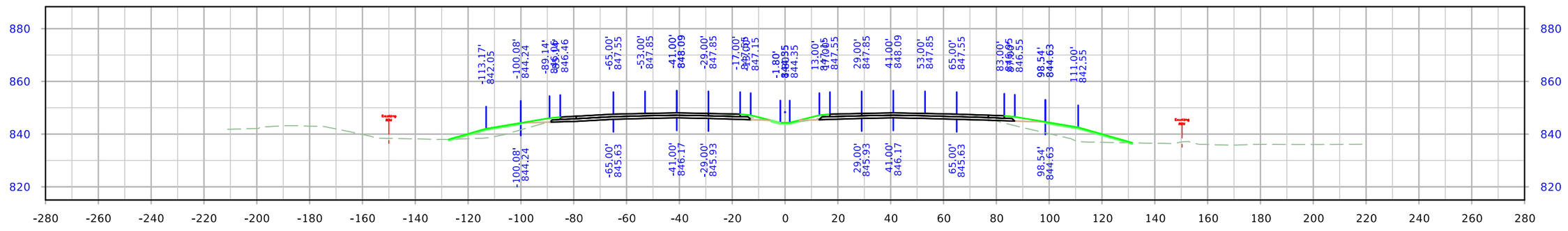
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.033	

8:11:41 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

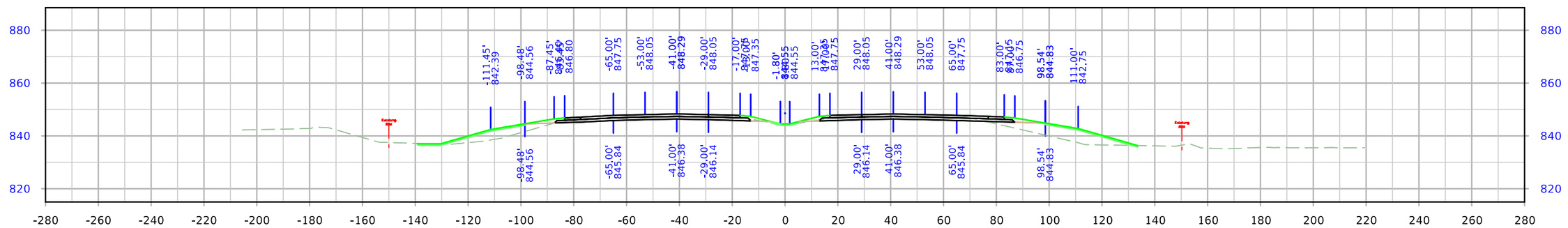
I-380



STA. 5+50.00



STA. 5+00.00

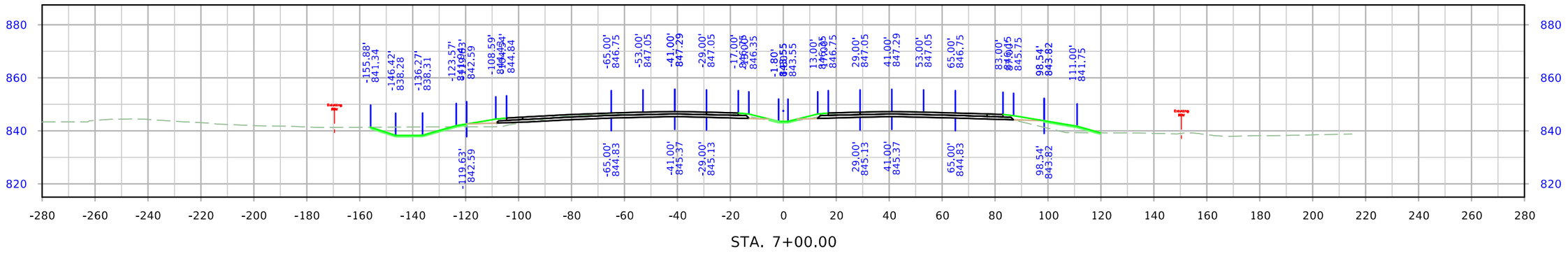


STA. 4+50.00

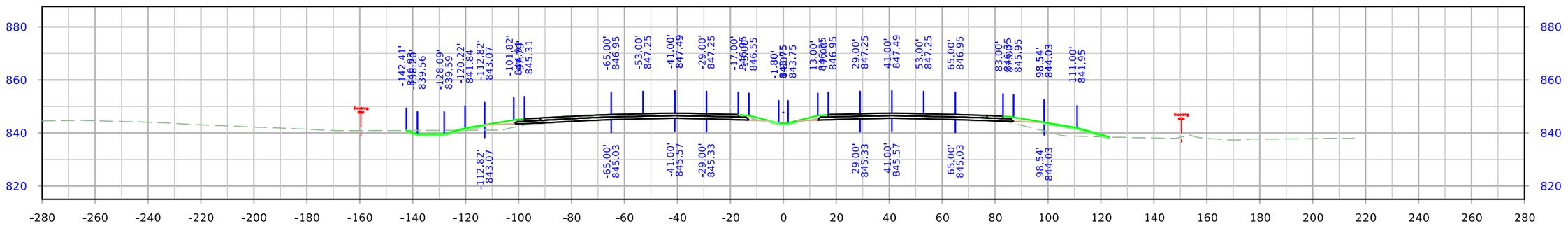
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.034

8:11:48 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

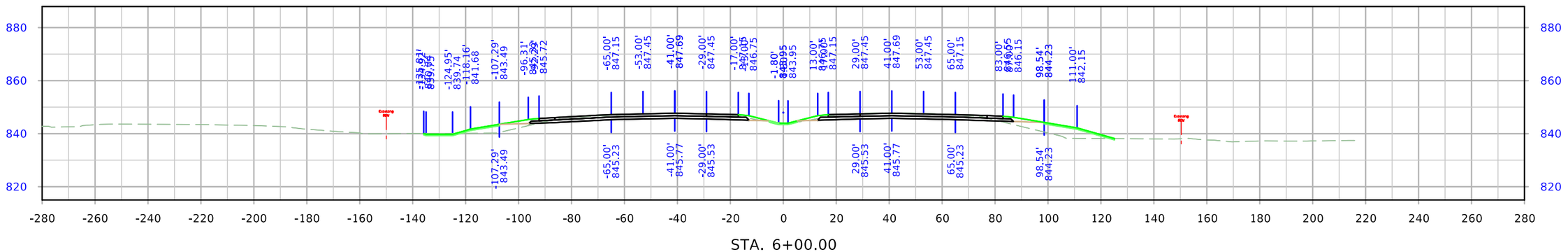
I-380



STA. 7+00.00



STA. 6+50.00

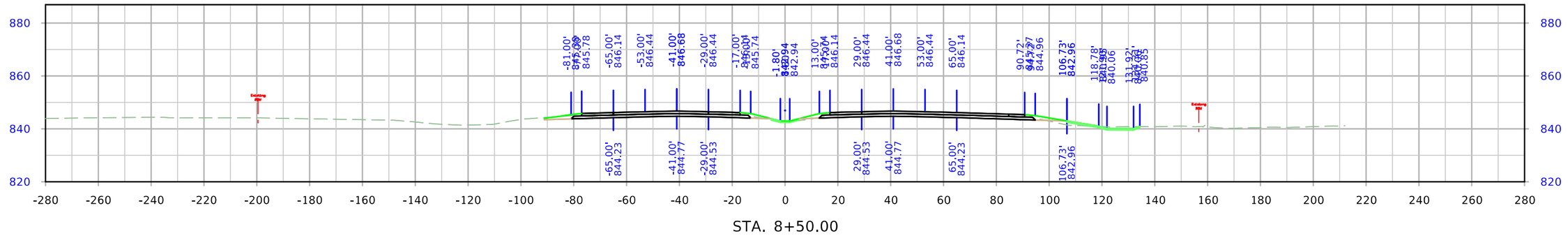


STA. 6+00.00

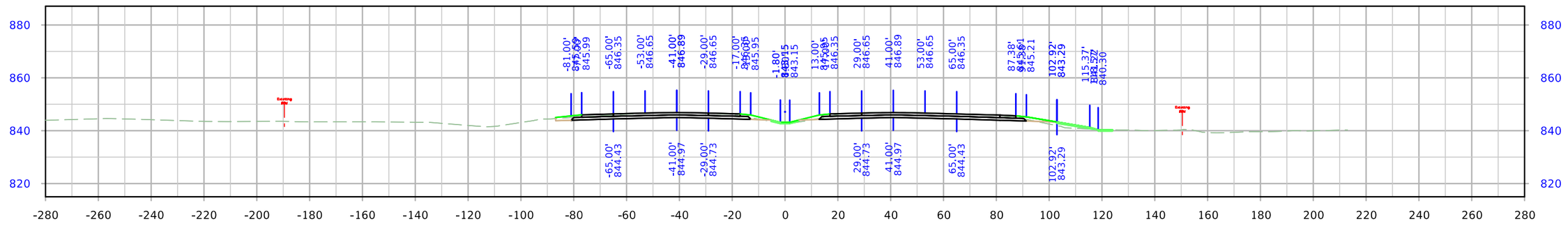
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.035	

8:11:56 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

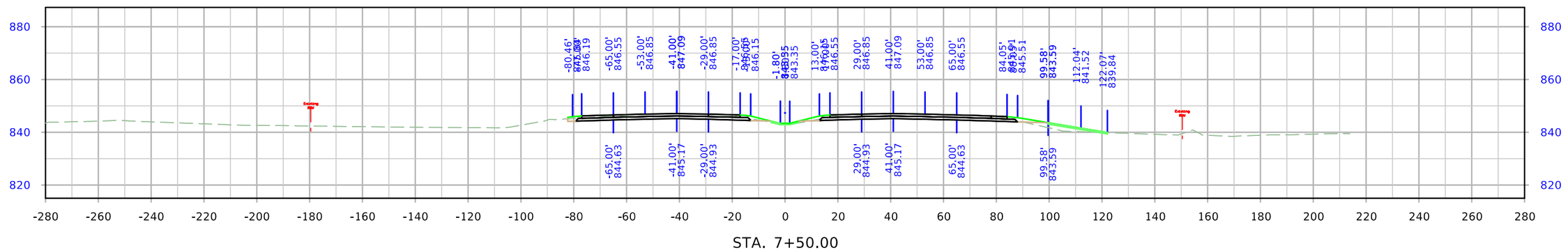
I-380



STA. 8+50.00



STA. 8+00.00

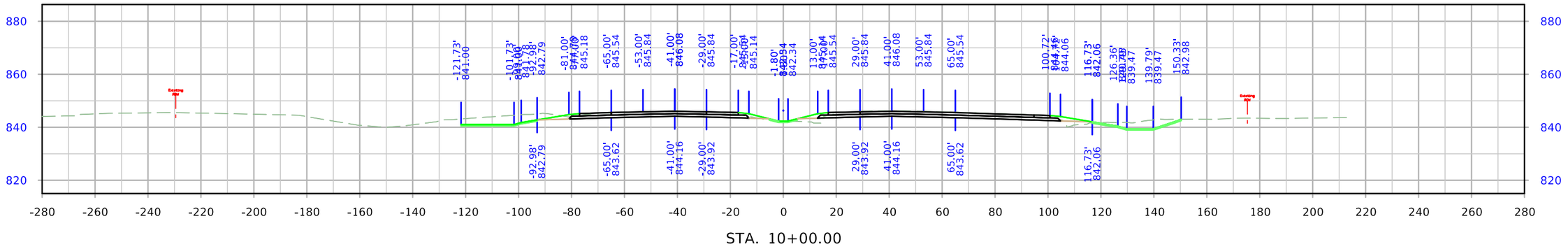


STA. 7+50.00

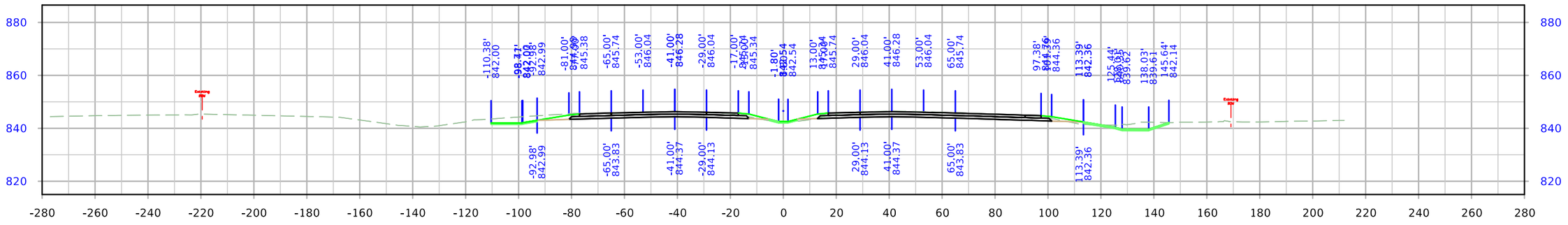
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.036

8:12:03 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

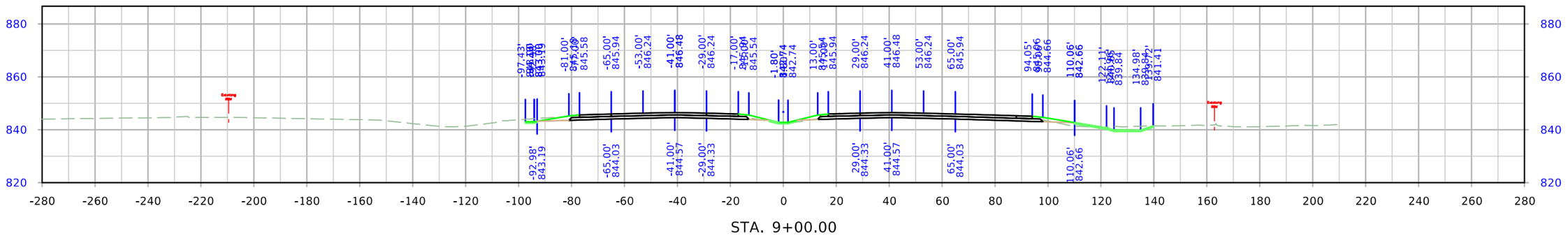
I-380



STA. 10+00.00



STA. 9+50.00

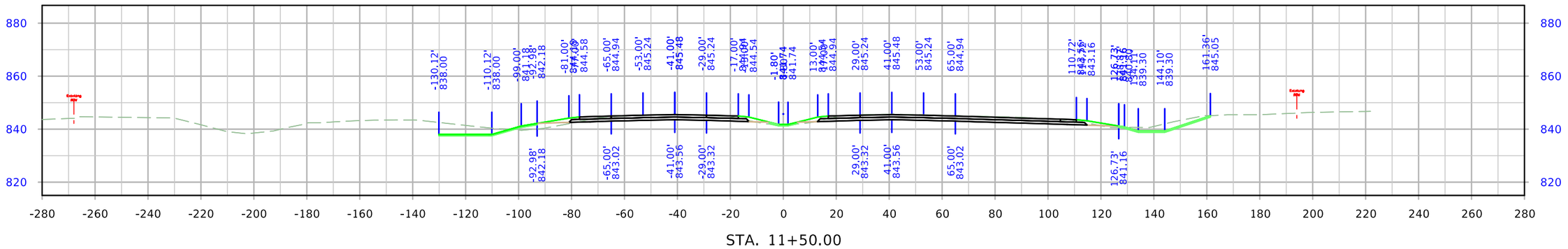


STA. 9+00.00

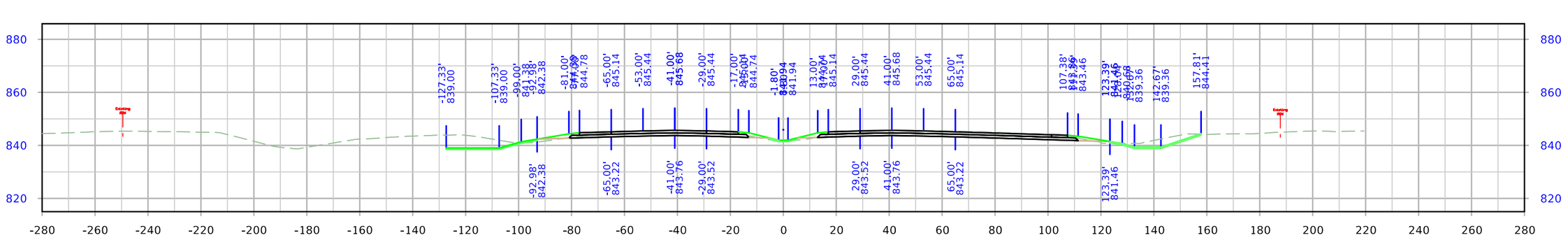
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.037

8:12:11 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

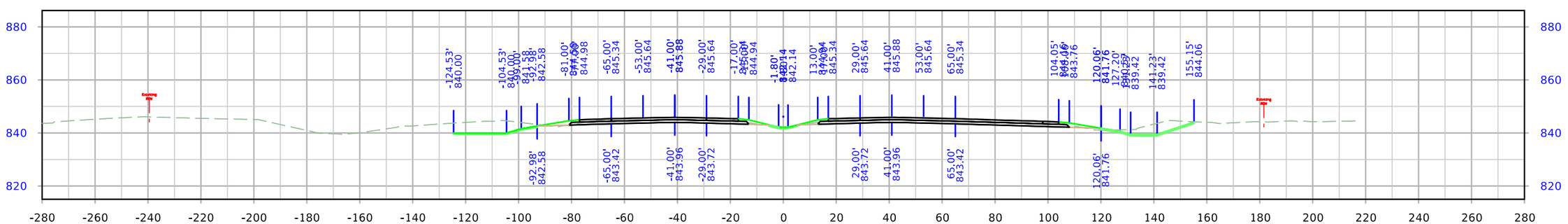
I-380



STA. 11+50.00



STA. 11+00.00

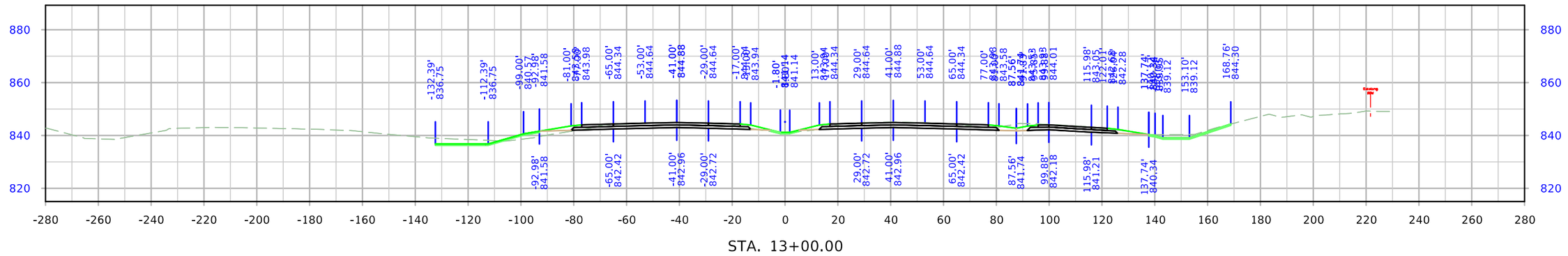


STA. 10+50.00

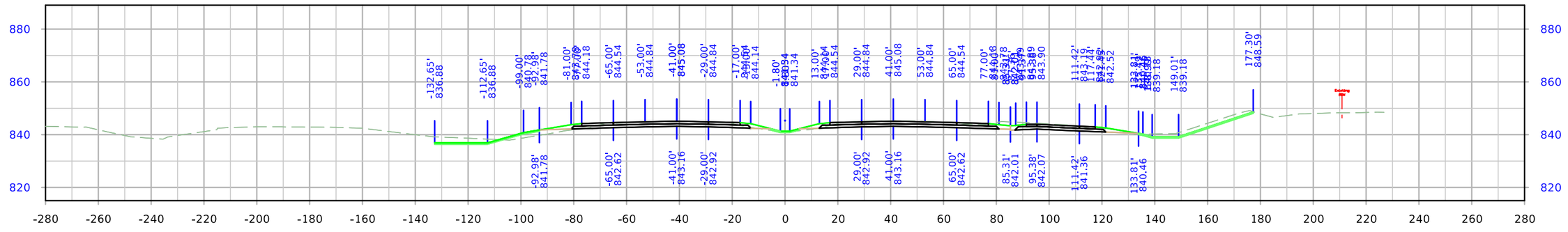
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.038

8:12:18 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

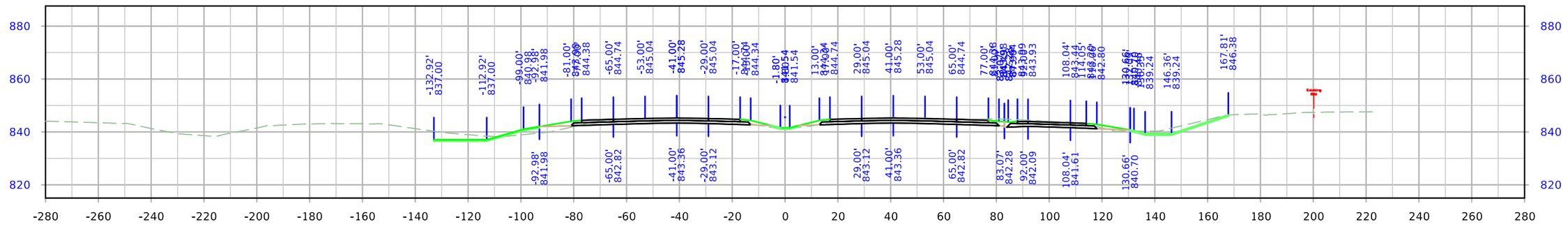
I-380



STA. 13+00.00



STA. 12+50.00

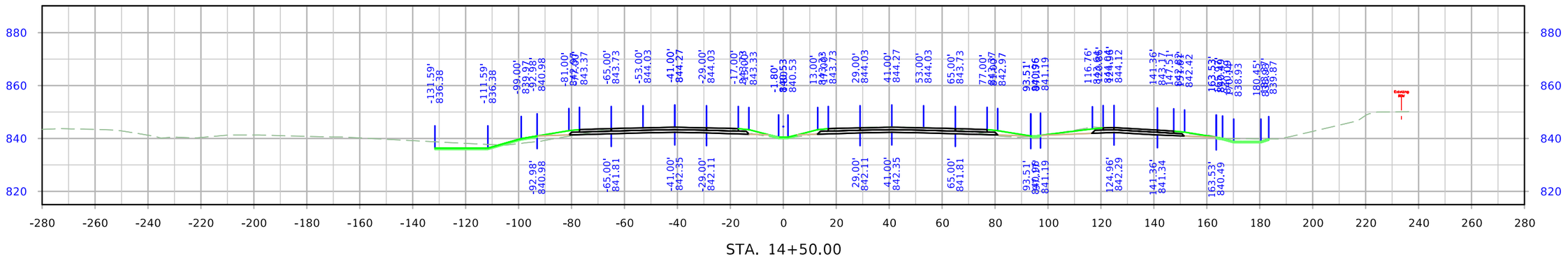


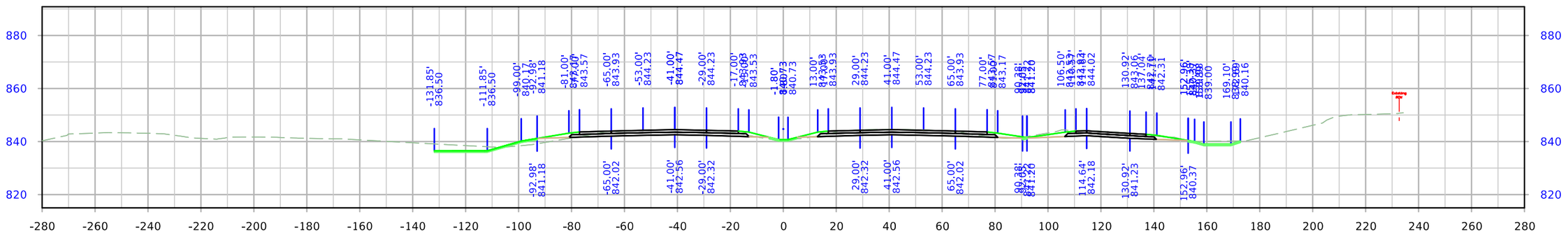
STA. 12+00.00

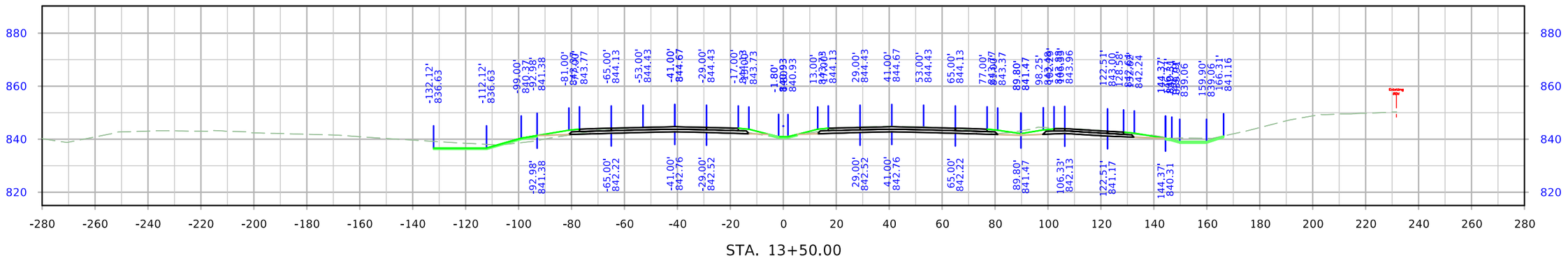
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.039

8:12:27 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

I-380



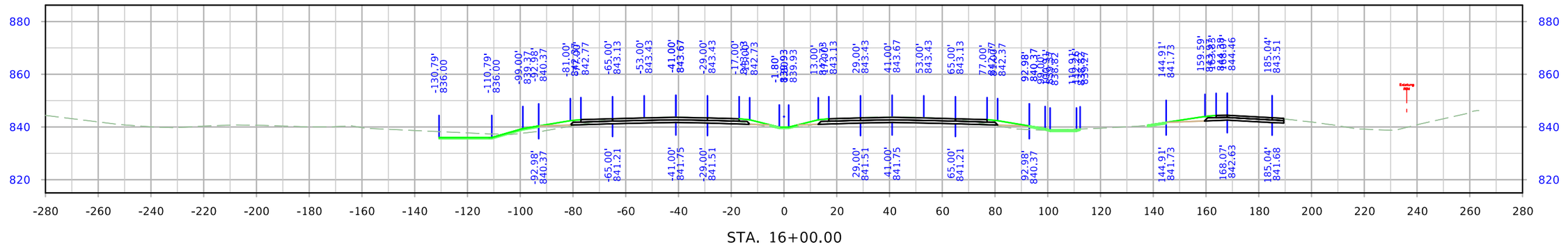




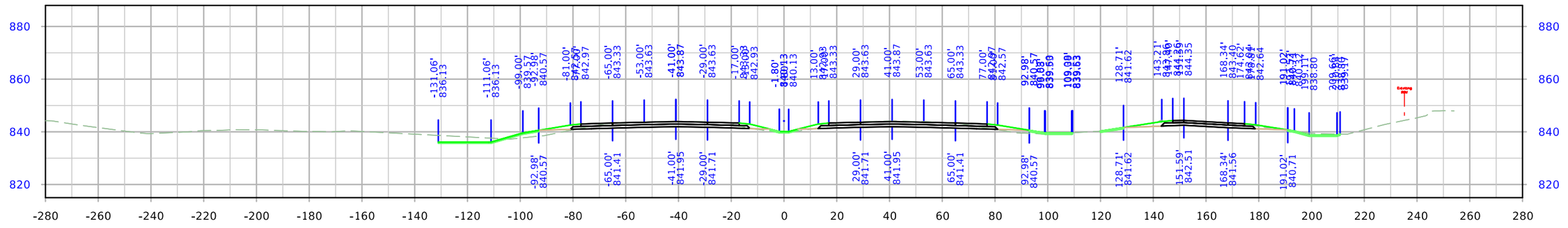
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.040

8:12:33 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

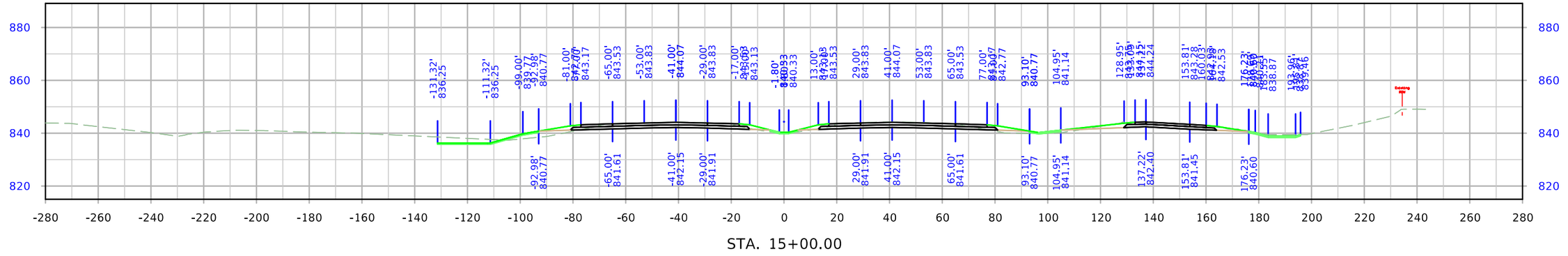
I-380



STA. 16+00.00



STA. 15+50.00

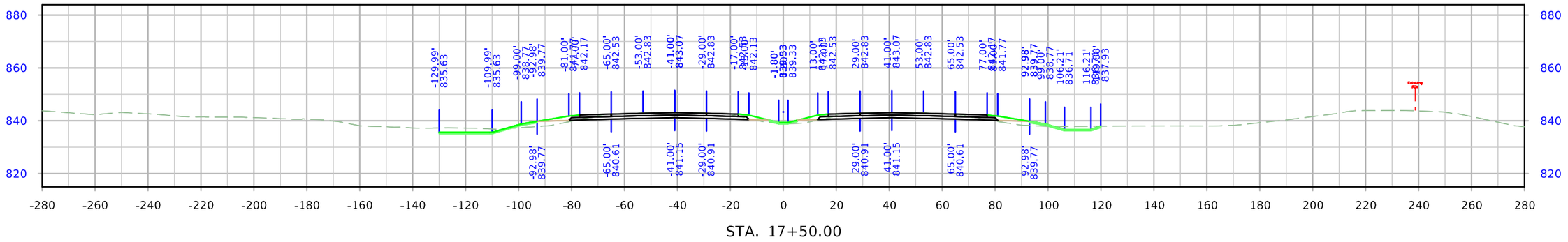


STA. 15+00.00

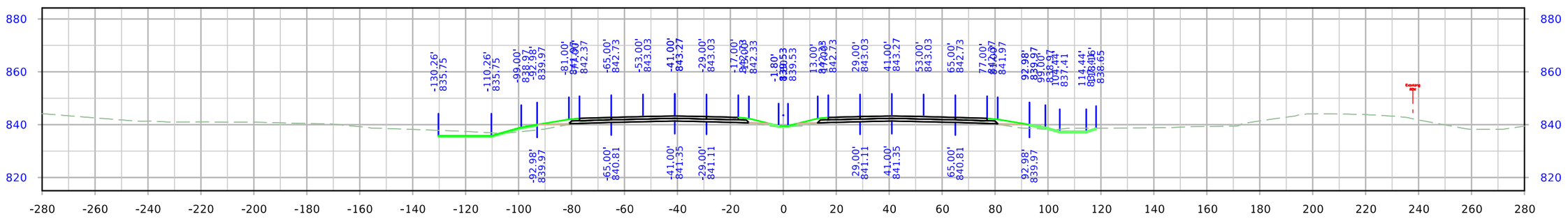
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.041

8:12:42 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

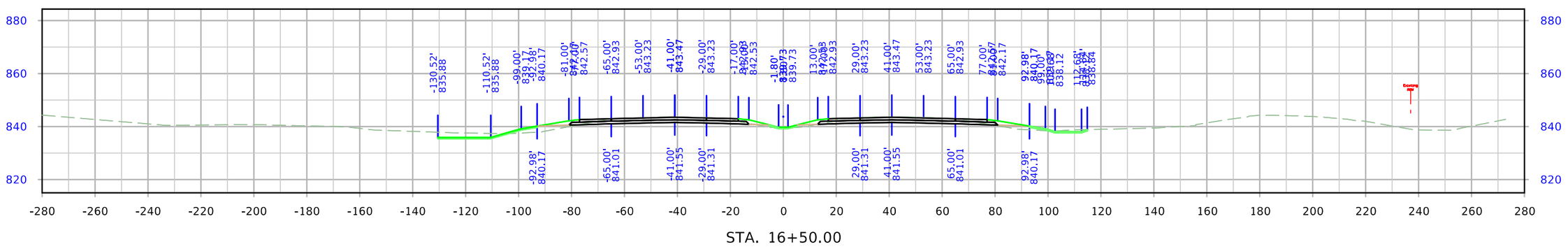
I-380



STA. 17+50.00



STA. 17+00.00

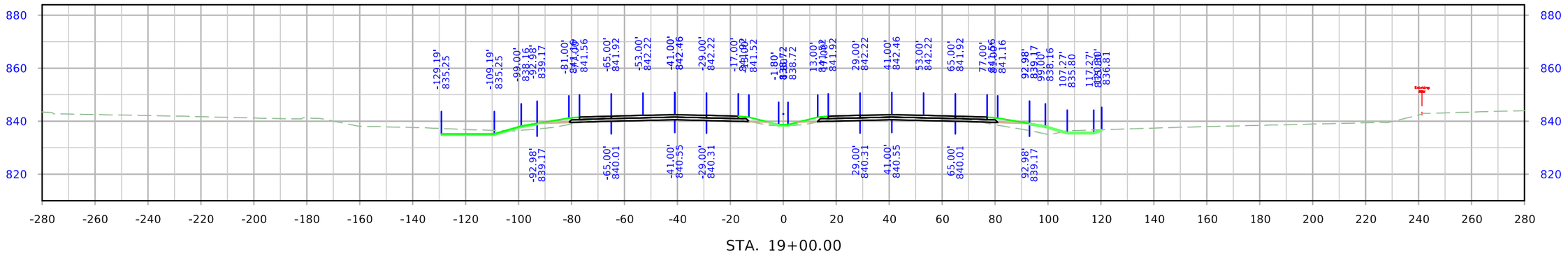


STA. 16+50.00

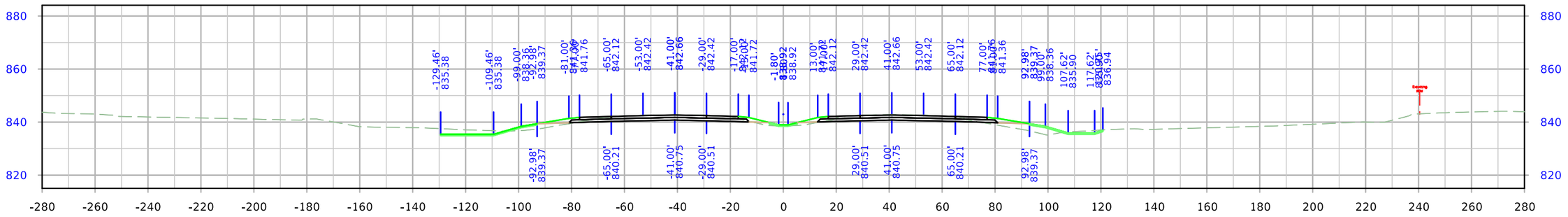
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.042

8:12:49 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

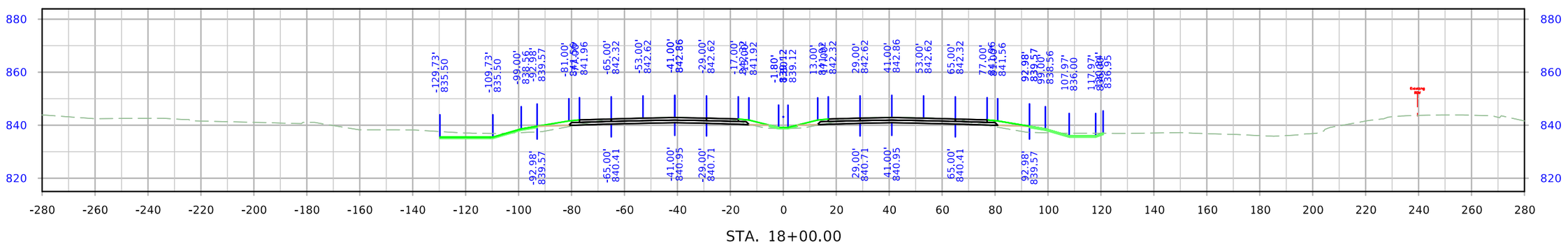
I-380



STA. 19+00.00



STA. 18+50.00

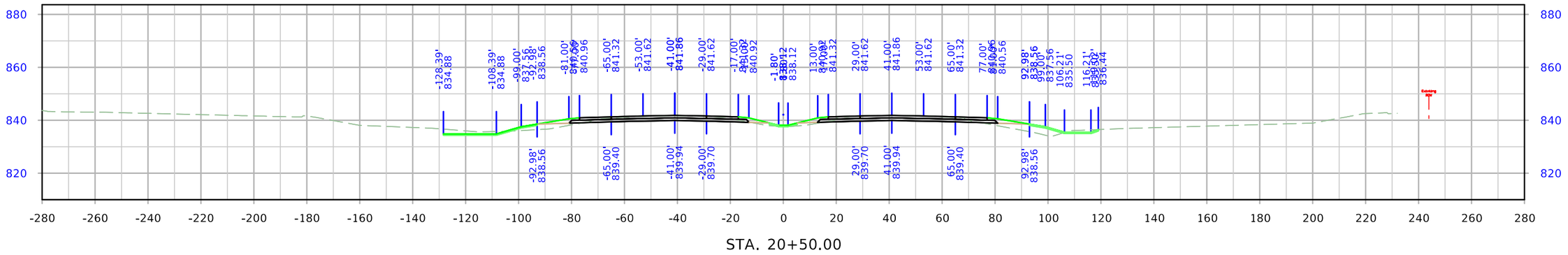


STA. 18+00.00

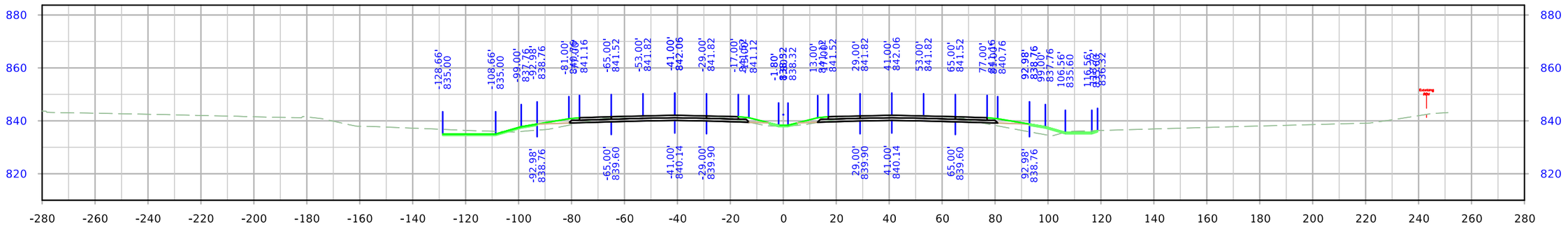
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.043

8:12:57 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

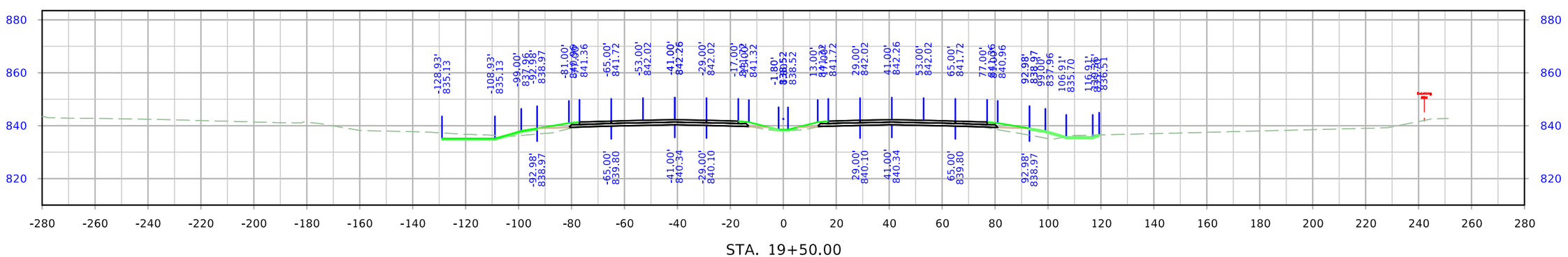
I-380



STA. 20+50.00



STA. 20+00.00

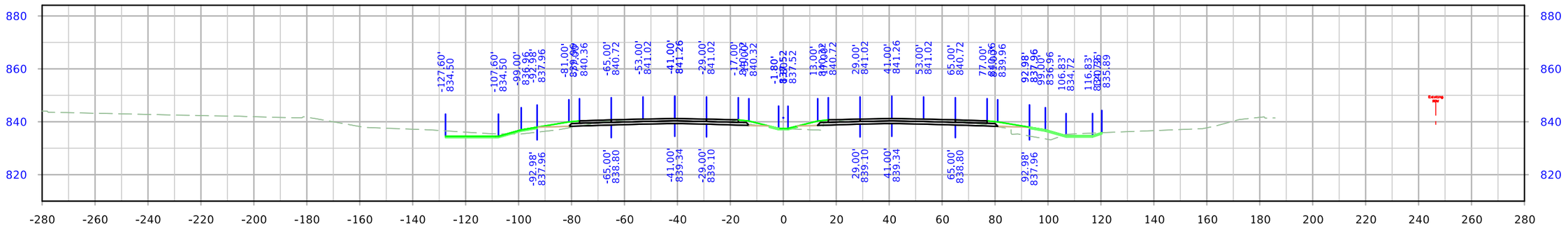


STA. 19+50.00

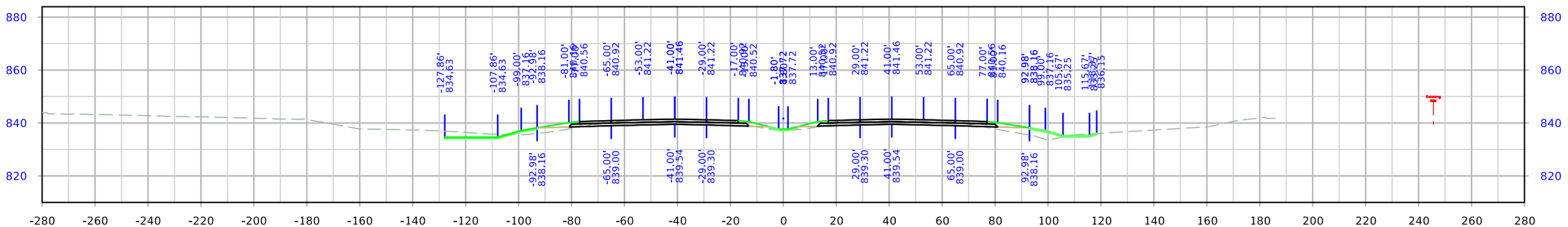
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.044

8:13:04 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

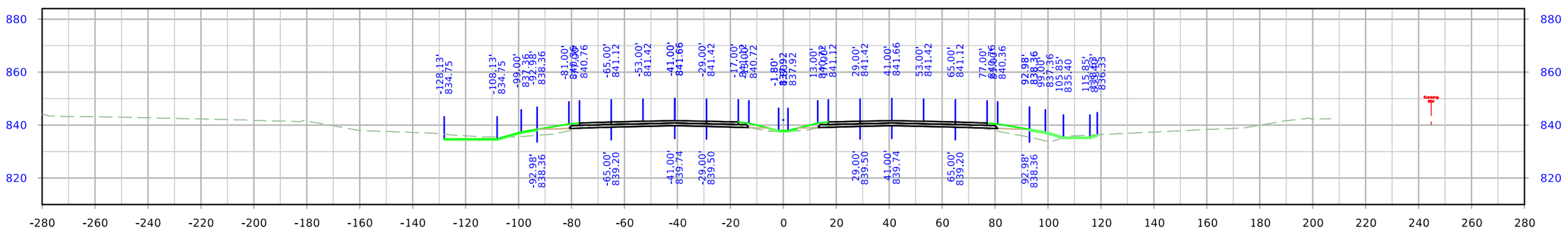
I-380



STA. 22+00.00



STA. 21+50.00

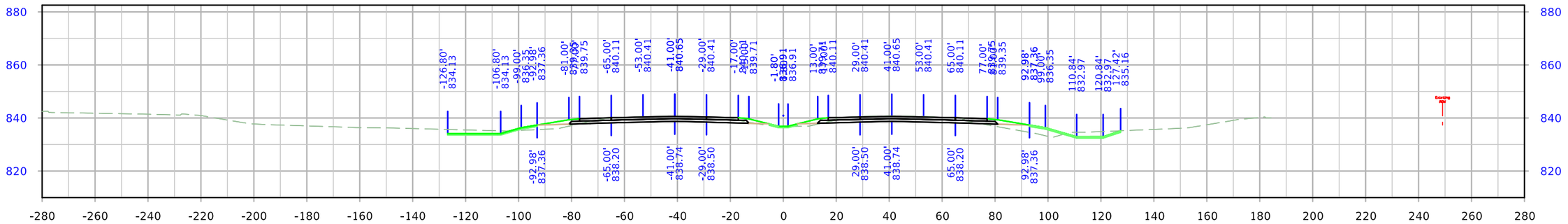


STA. 21+00.00

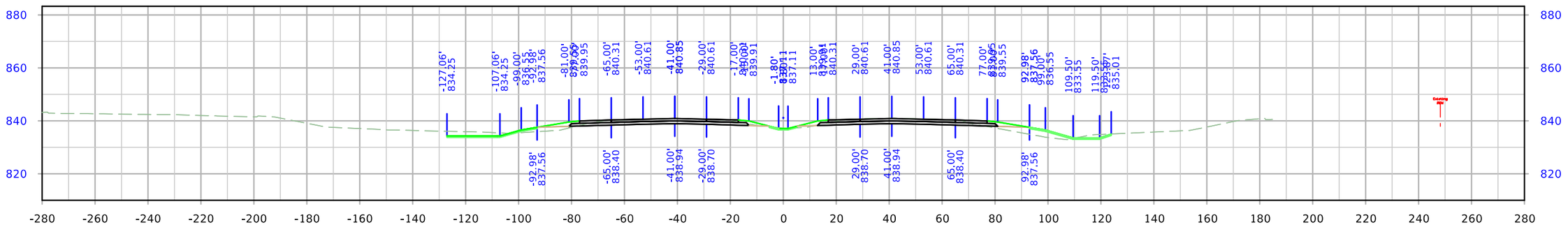
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.045

8:13:13 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

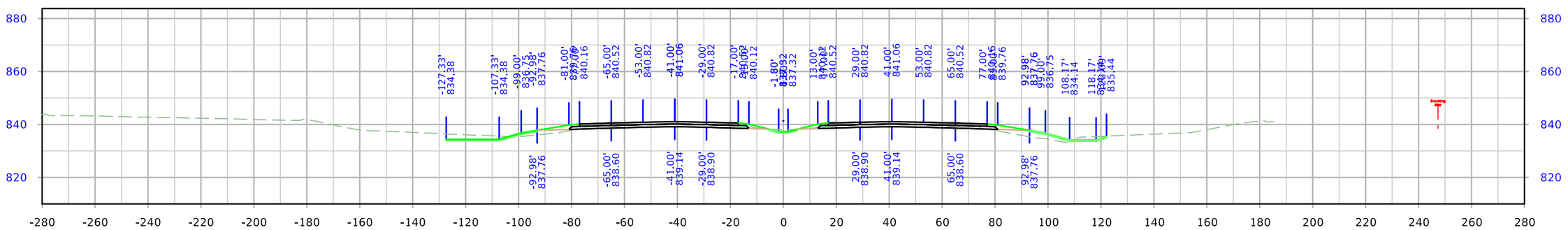
I-380



STA. 23+50.00



STA. 23+00.00

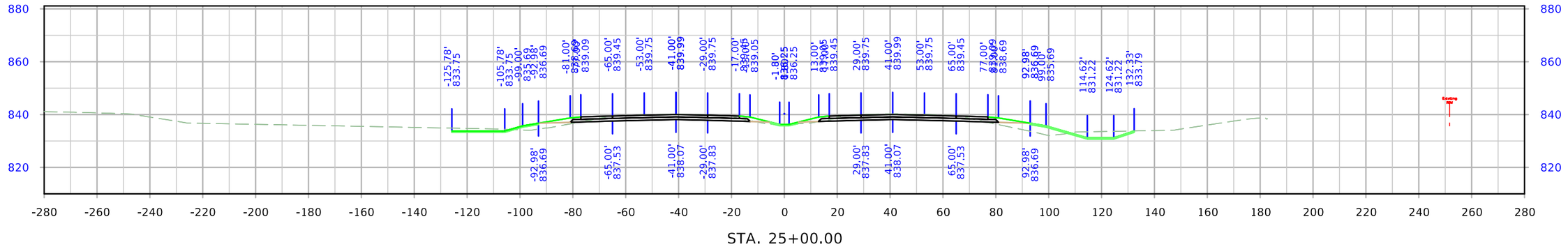


STA. 22+50.00

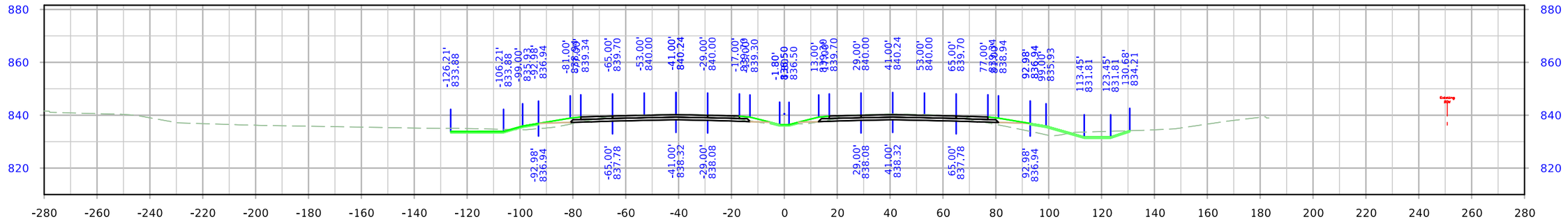
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.046

8:13:20 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

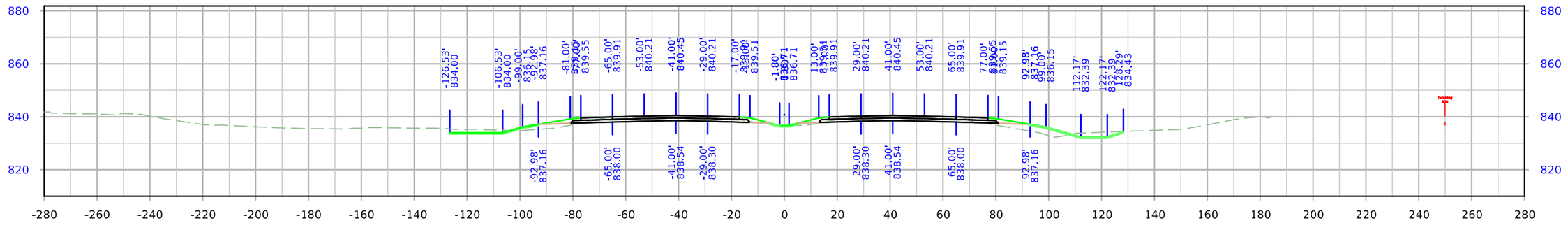
I-380



STA. 25+00.00



STA. 24+50.00

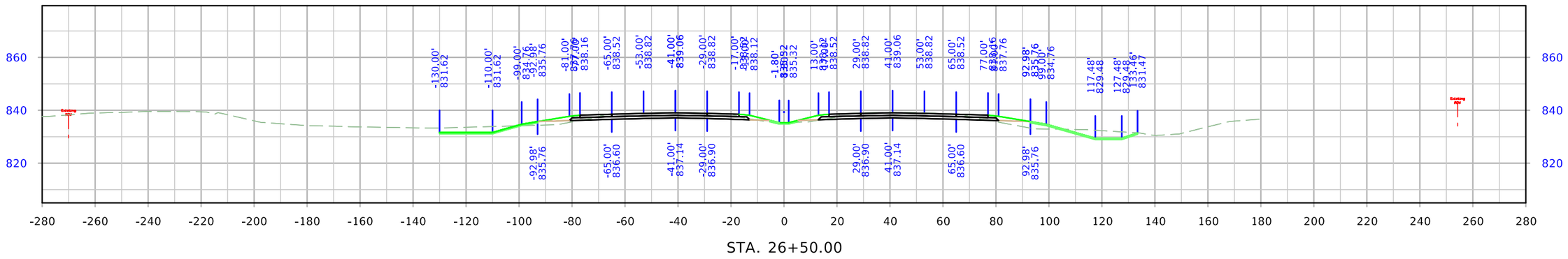


STA. 24+00.00

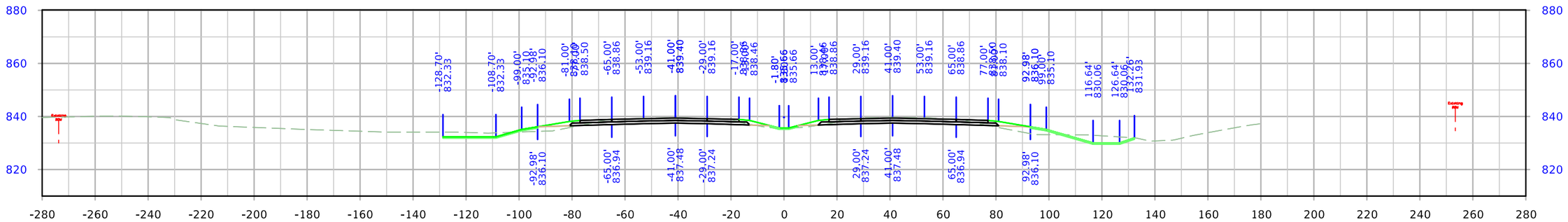
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.047

8:13:28 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

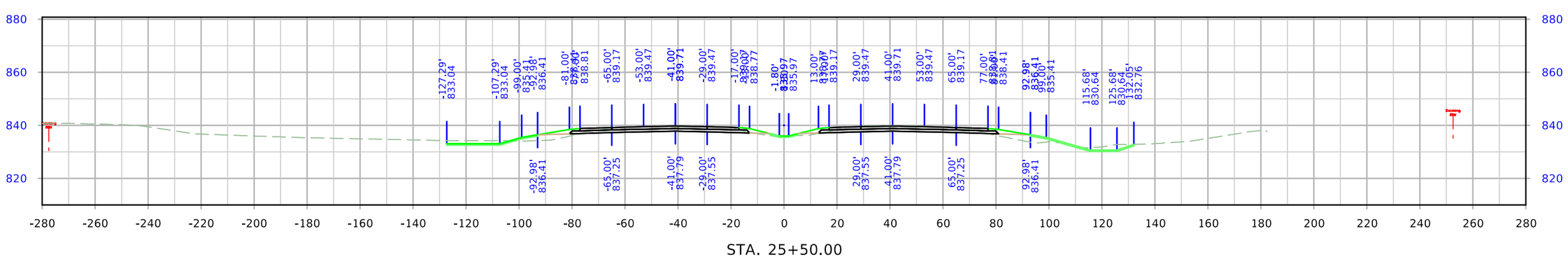
I-380



STA. 26+50.00



STA. 26+00.00

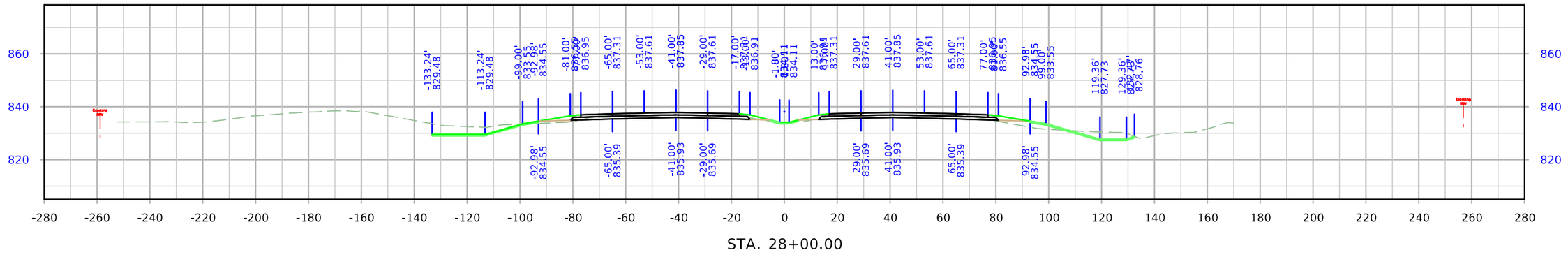


STA. 25+50.00

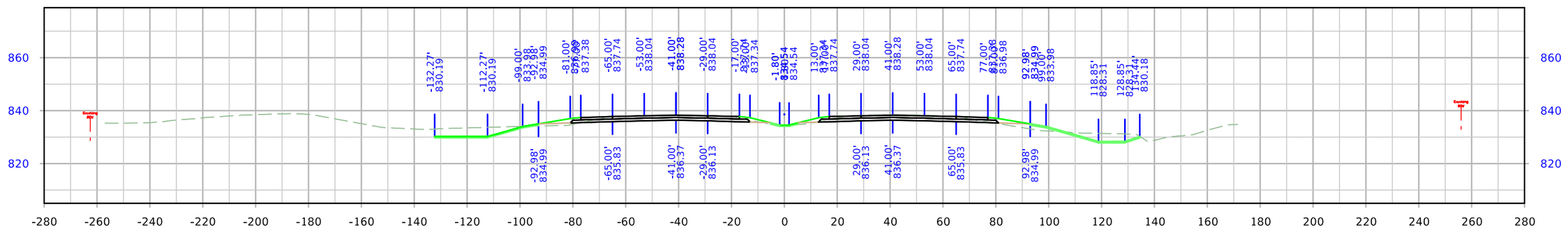
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.048

8:13:35 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

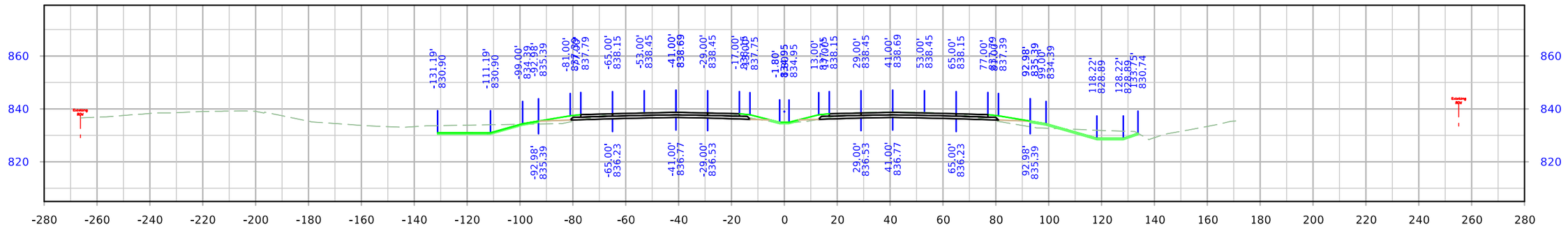
I-380



STA. 28+00.00



STA. 27+50.00

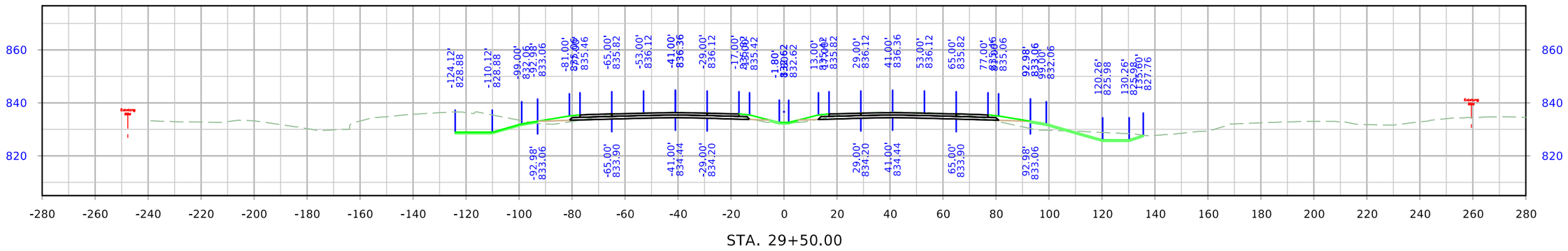


STA. 27+00.00

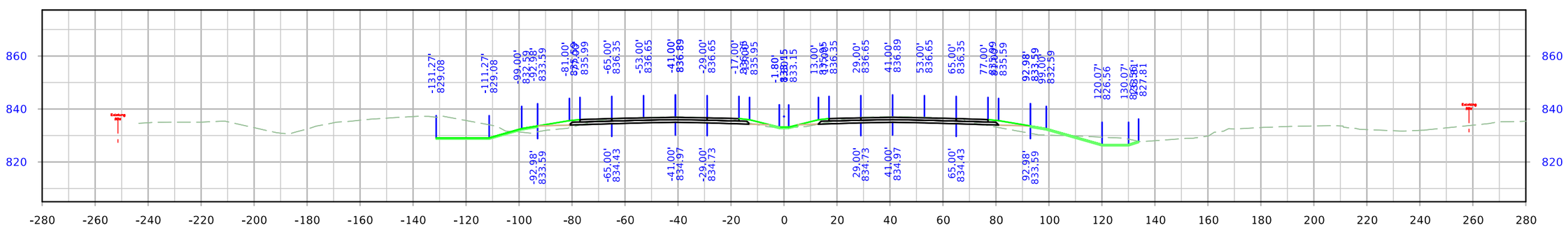
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.049

8:13:44 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

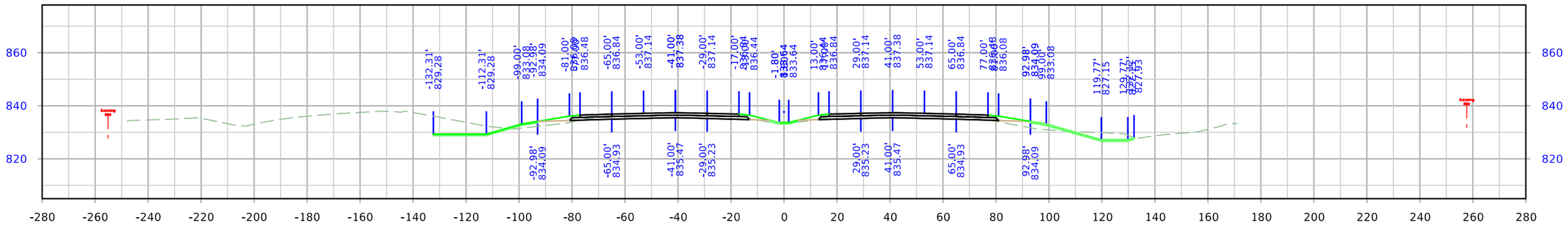
I-380



STA. 29+50.00



STA. 29+00.00

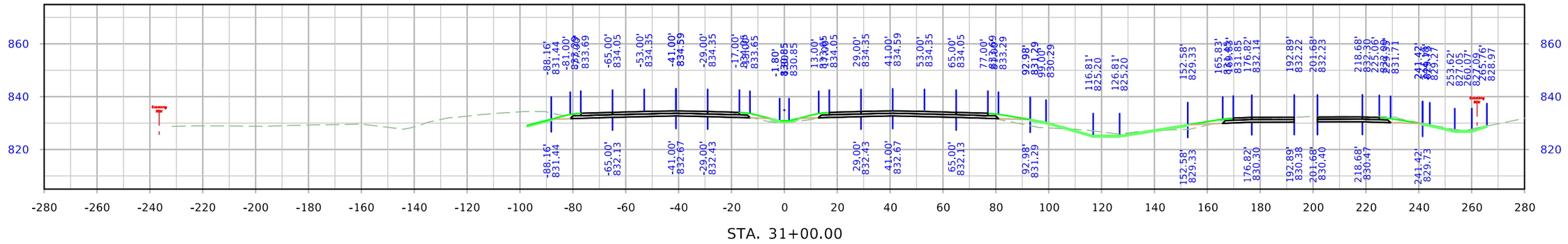


STA. 28+50.00

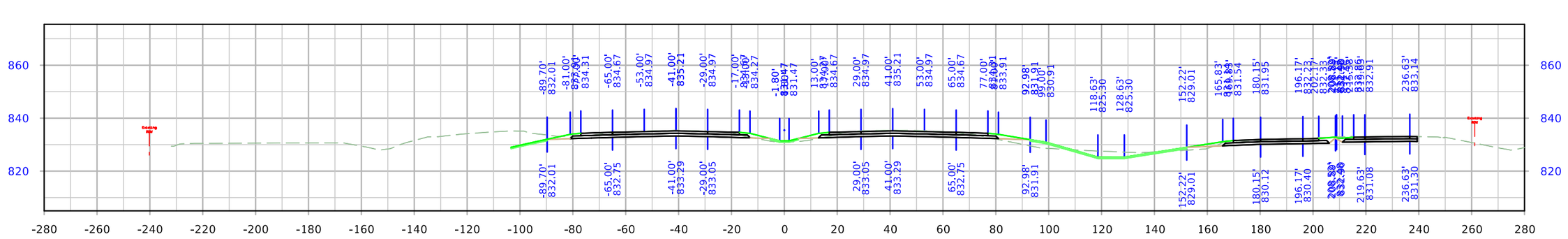
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.050	

8:13:50 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

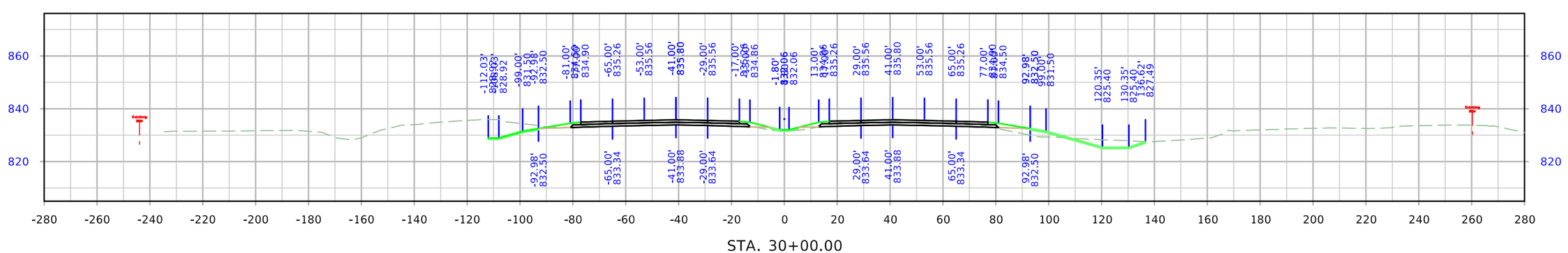
I-380



STA. 31+00.00



STA. 30+50.00

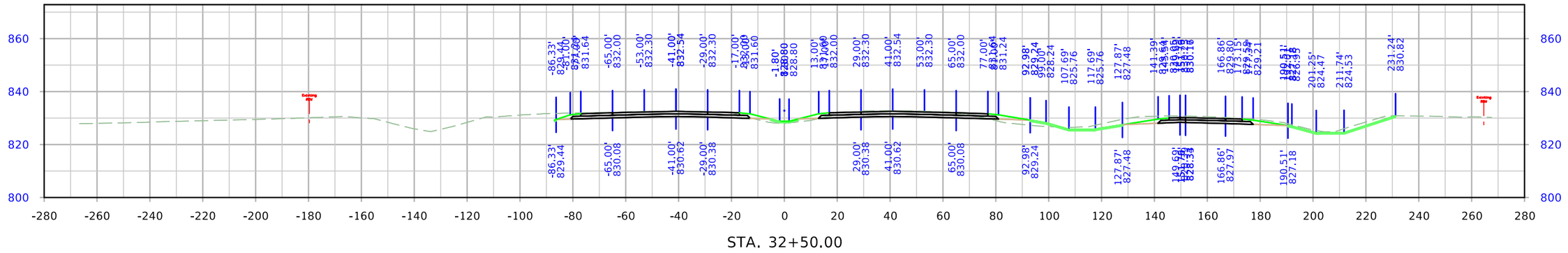


STA. 30+00.00

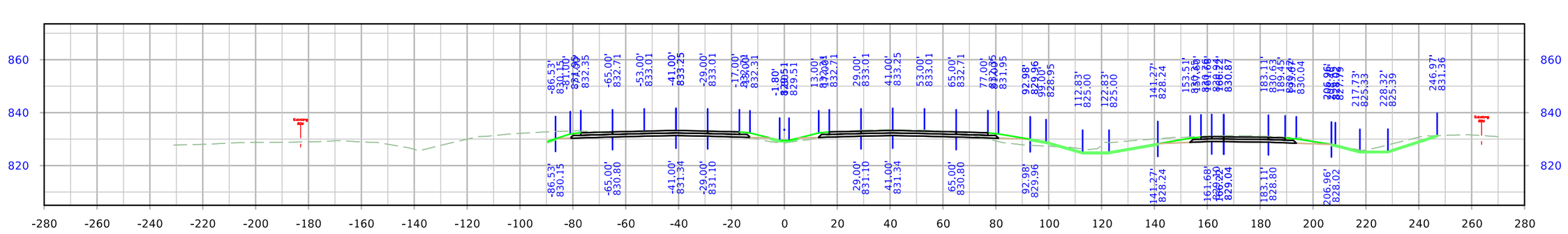
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.051

8:13:57 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

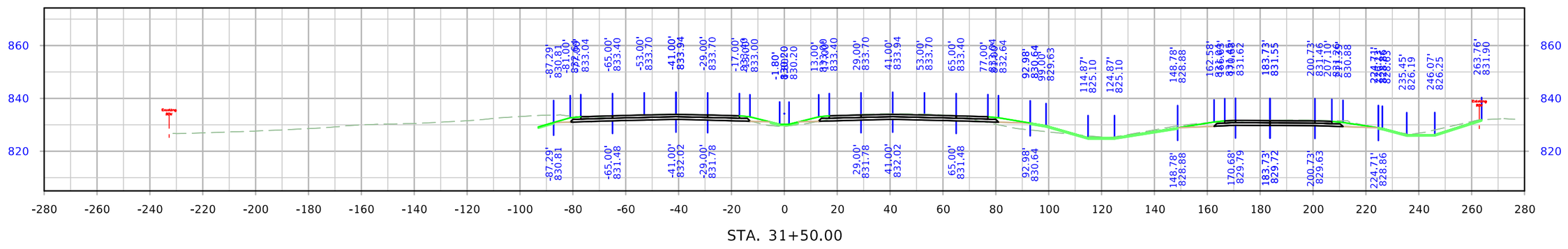
I-380



STA. 32+50.00



STA. 32+00.00

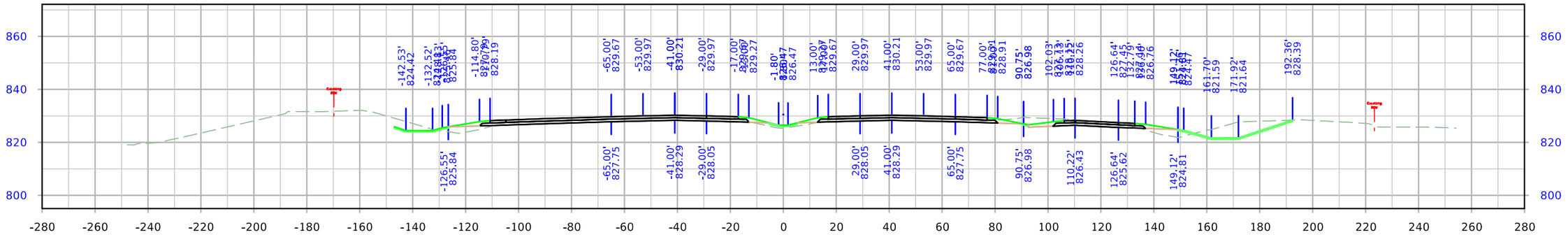


STA. 31+50.00

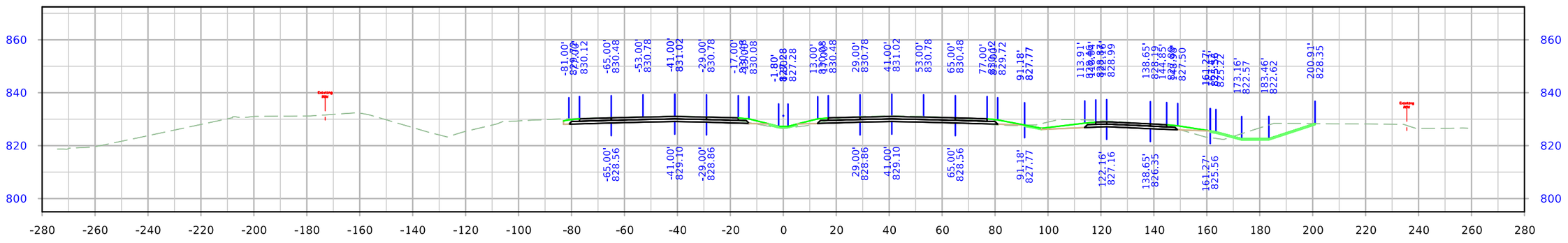
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.052

8:14:05 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

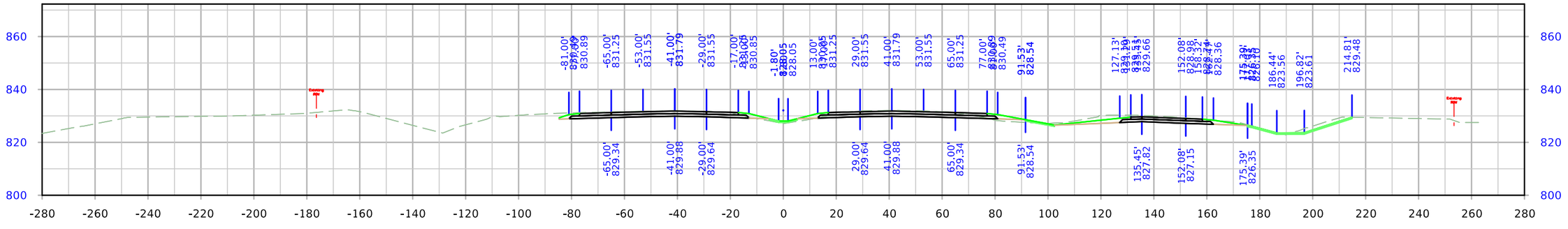
I-380



STA. 34+00.00



STA. 33+50.00

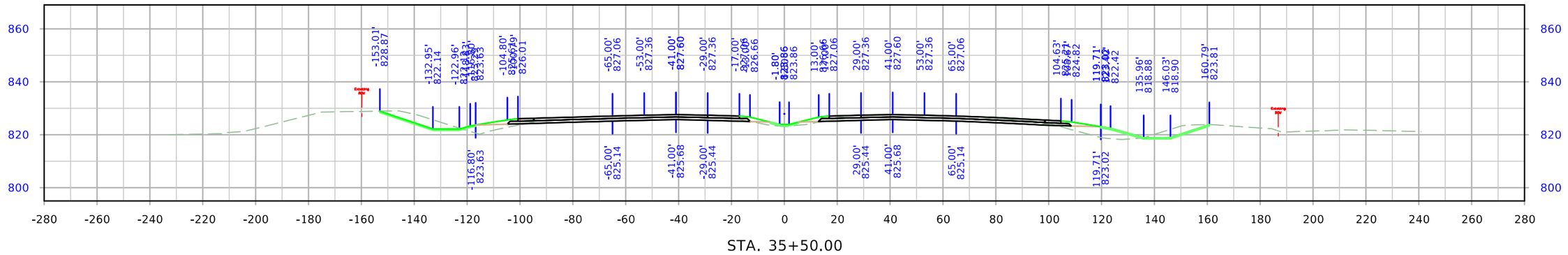


STA. 33+00.00

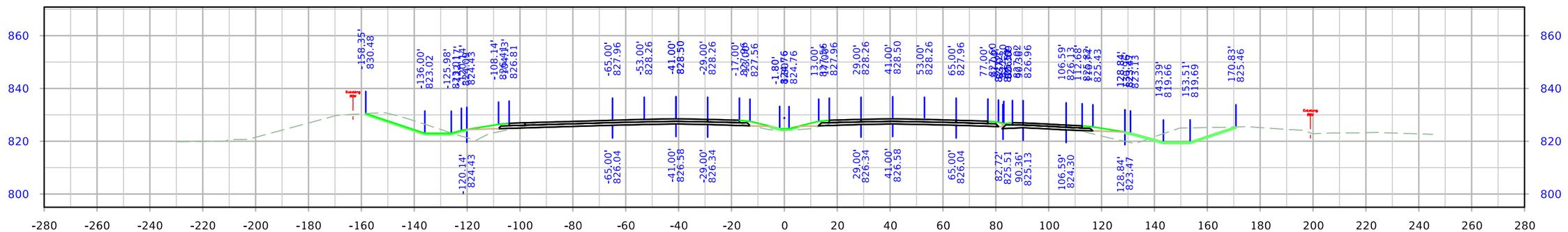
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.053

8:14:14 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

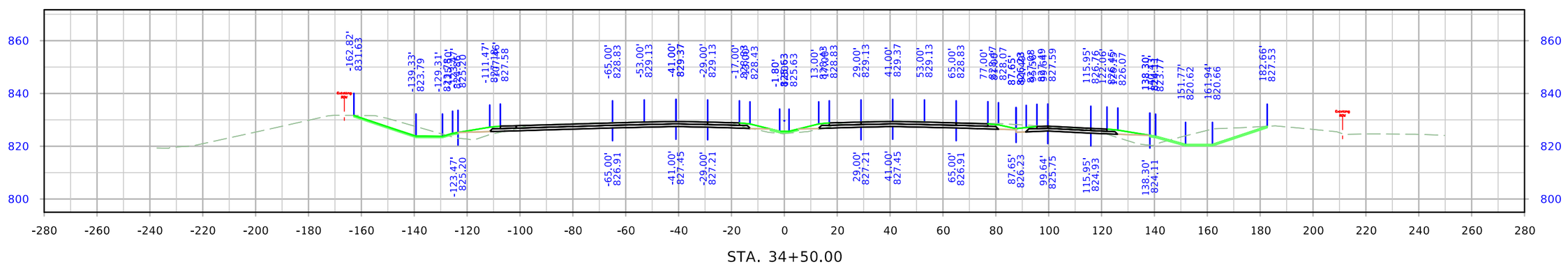
I-380



STA. 35+50.00



STA. 35+00.00

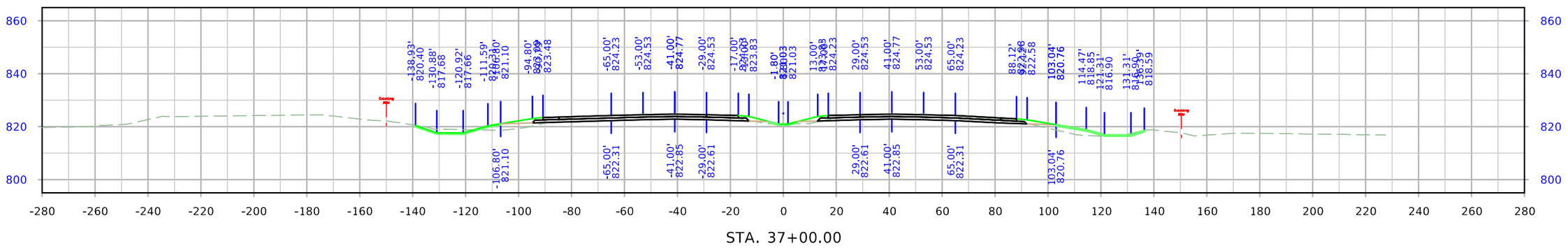


STA. 34+50.00

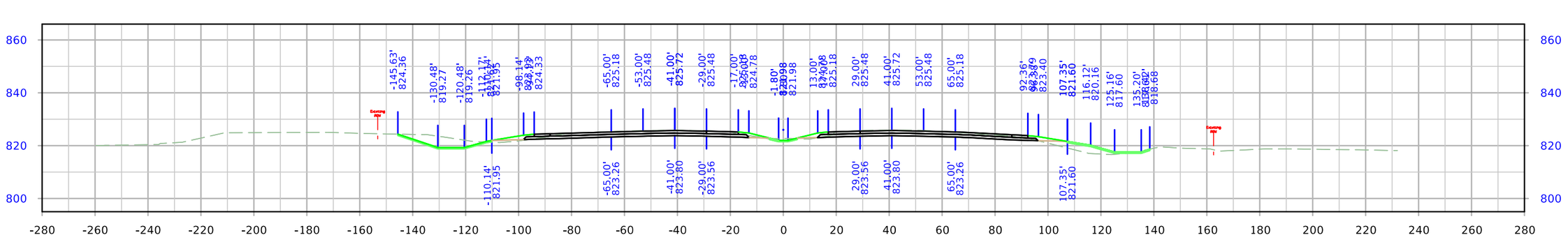
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.054

8:14:21 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

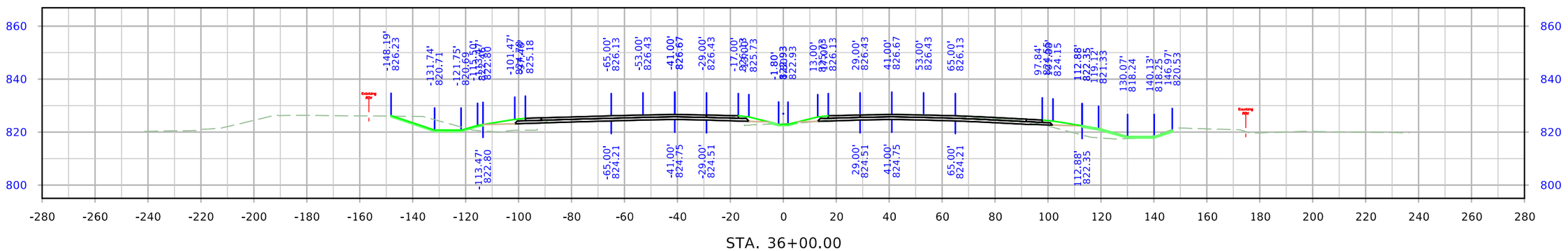
I-380



STA. 37+00.00



STA. 36+50.00

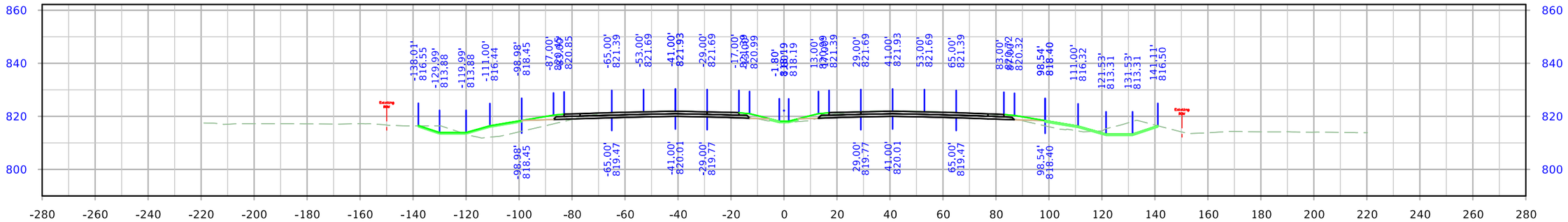


STA. 36+00.00

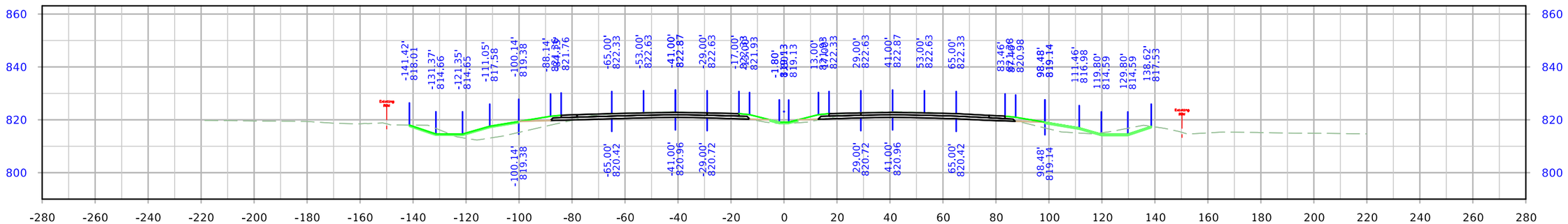
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.055

8:14:29 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

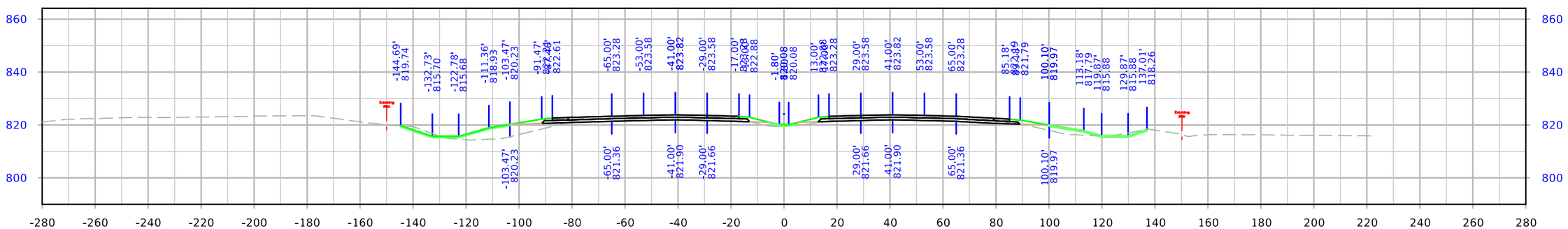
I-380



STA. 38+50.00



STA. 38+00.00

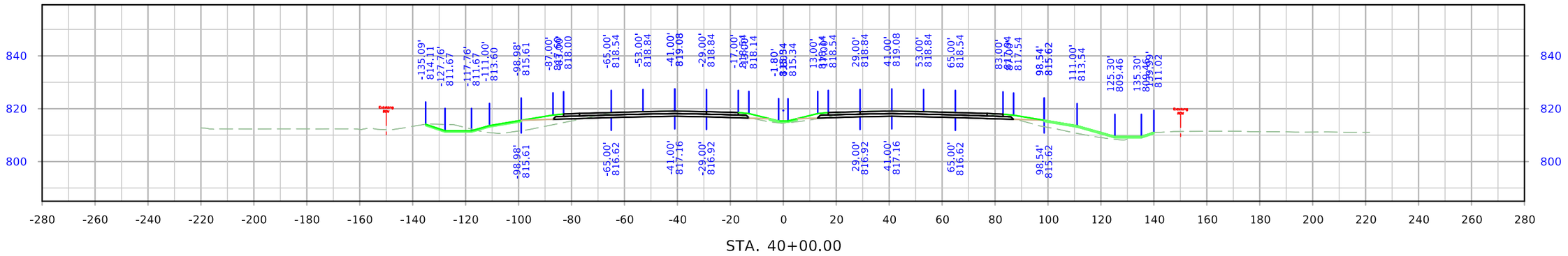


STA. 37+50.00

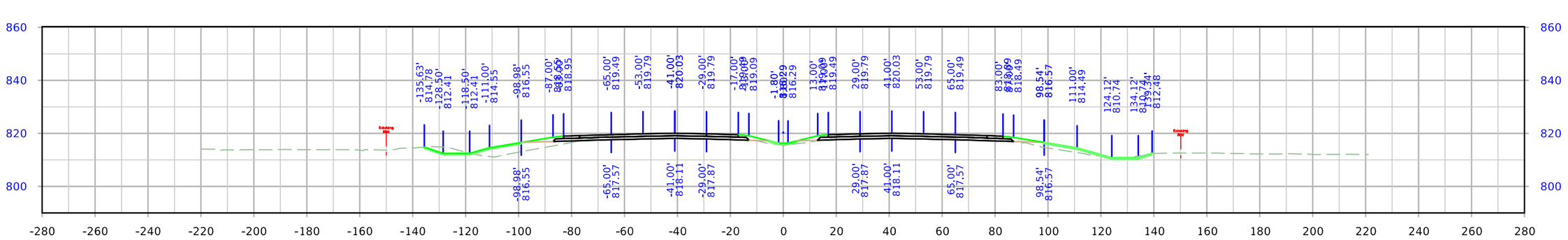
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.056

8:14:37 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

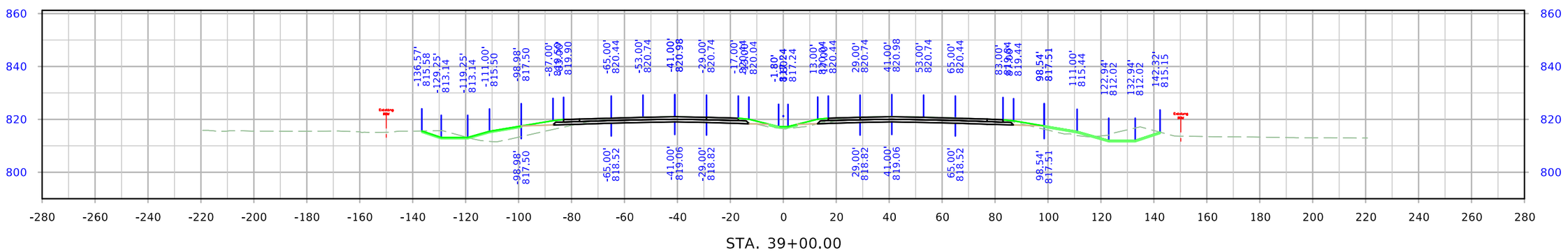
I-380



STA. 40+00.00



STA. 39+50.00

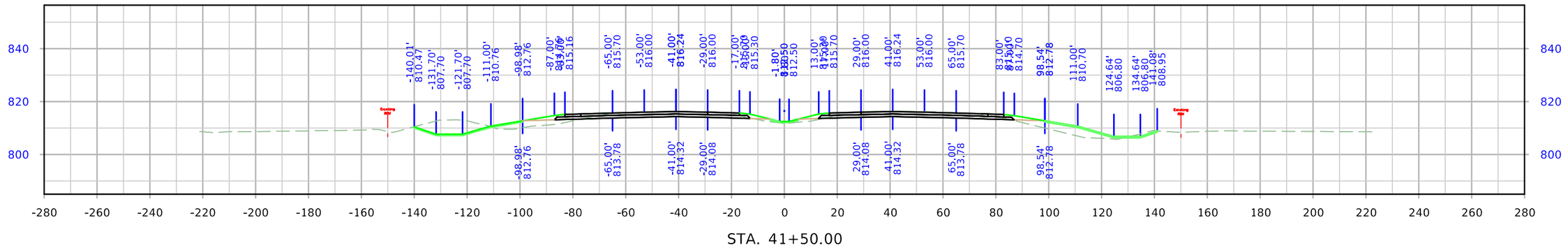


STA. 39+00.00

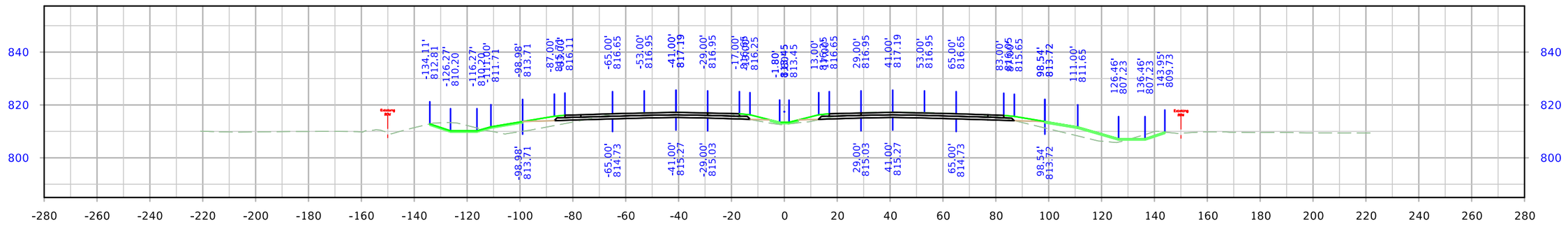
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.057

8:14:45 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

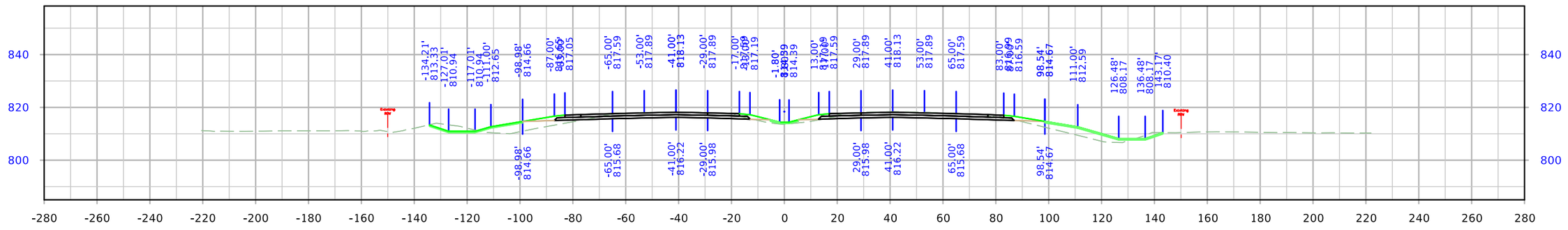
I-380



STA. 41+50.00



STA. 41+00.00

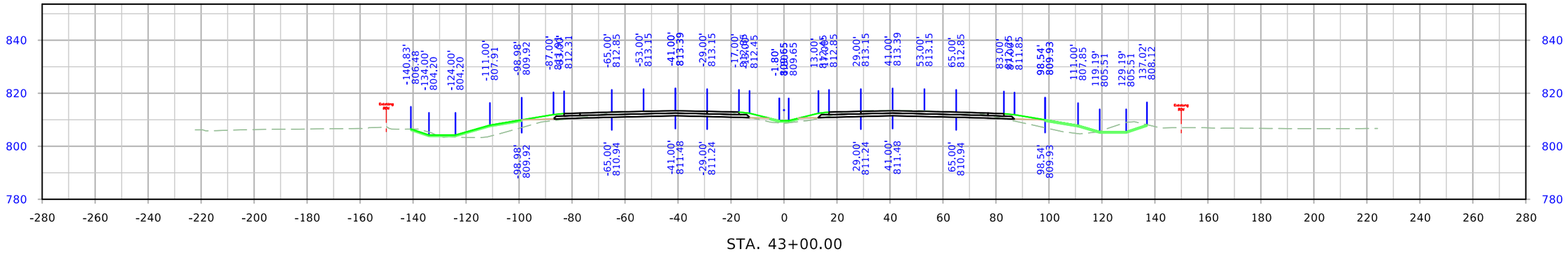


STA. 40+50.00

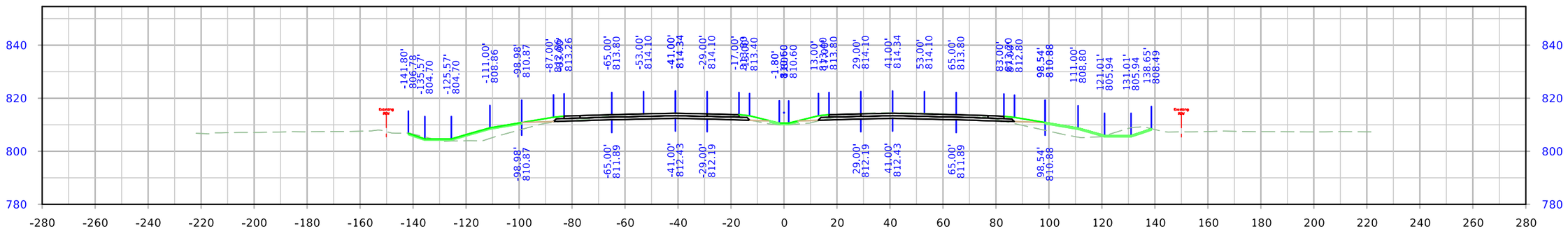
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.058

8:14:52 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

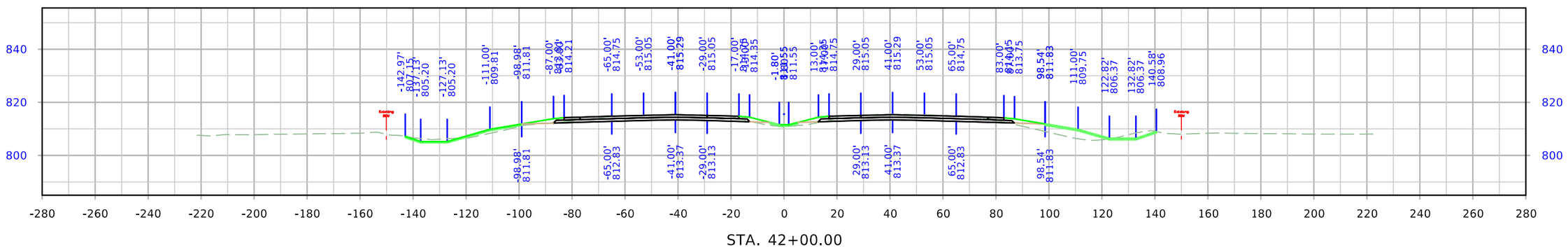
I-380



STA. 43+00.00



STA. 42+50.00

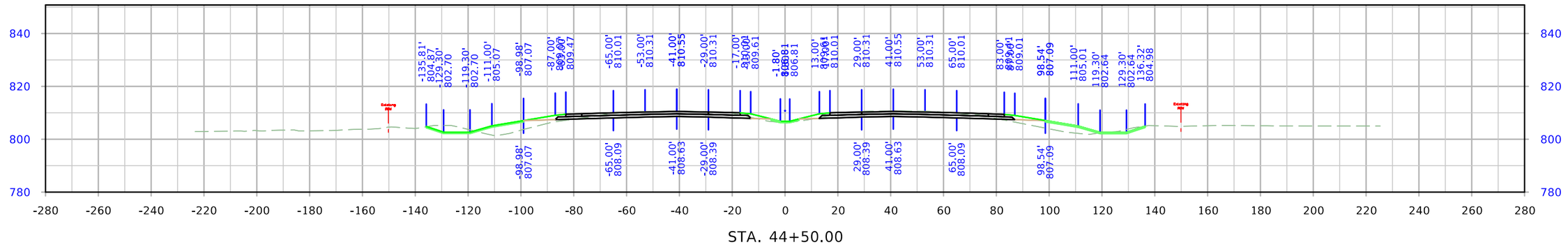


STA. 42+00.00

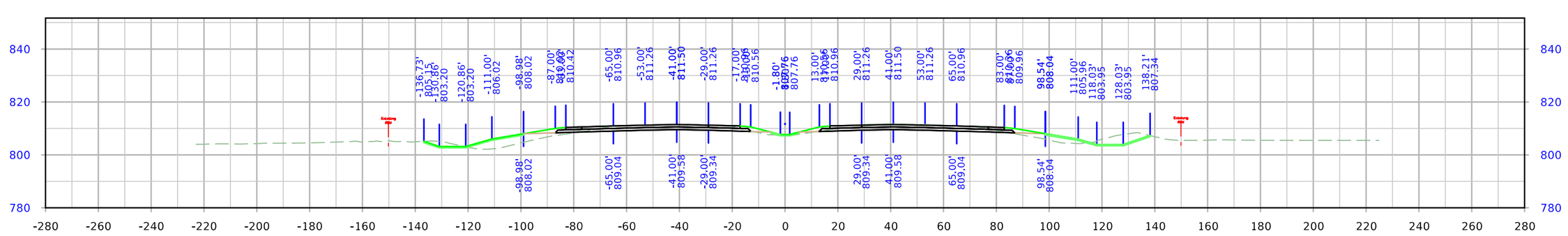
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.059

8:15:01 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

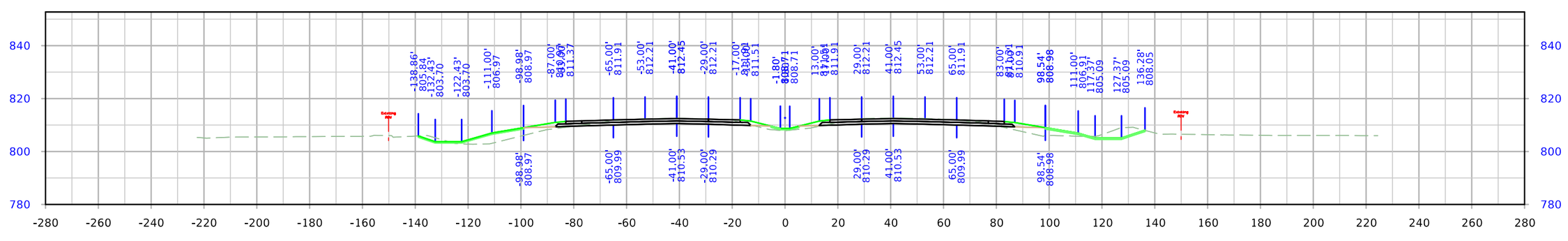
I-380



STA. 44+50.00



STA. 44+00.00

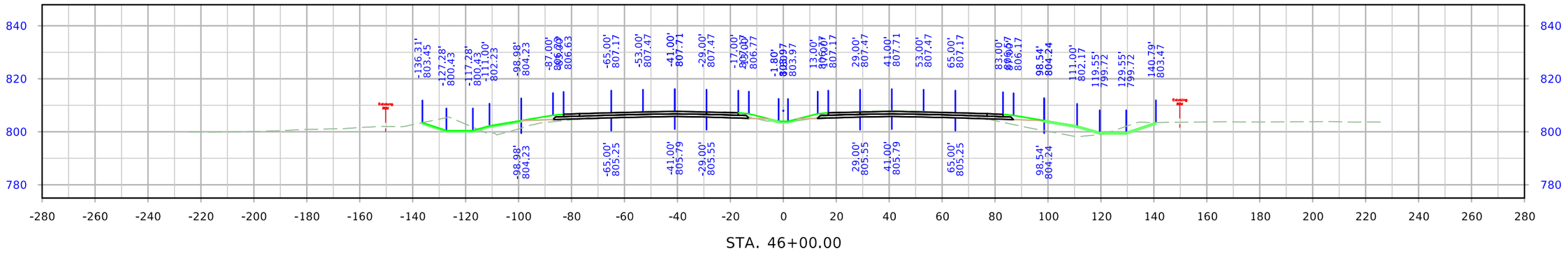


STA. 43+50.00

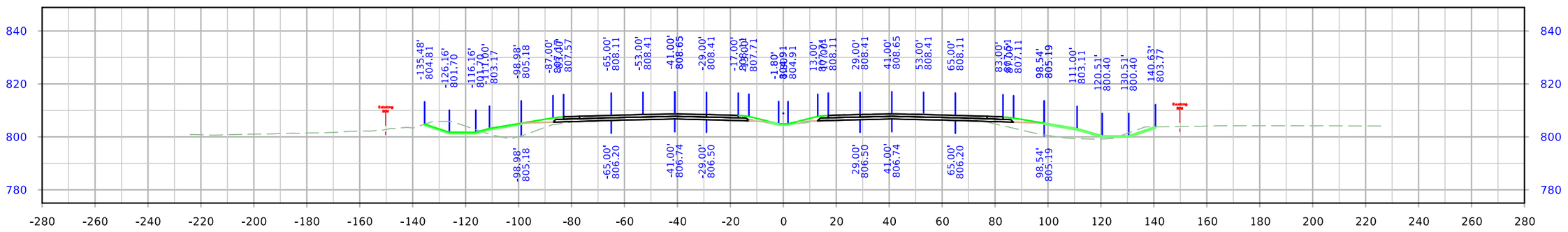
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.060

8:15:08 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

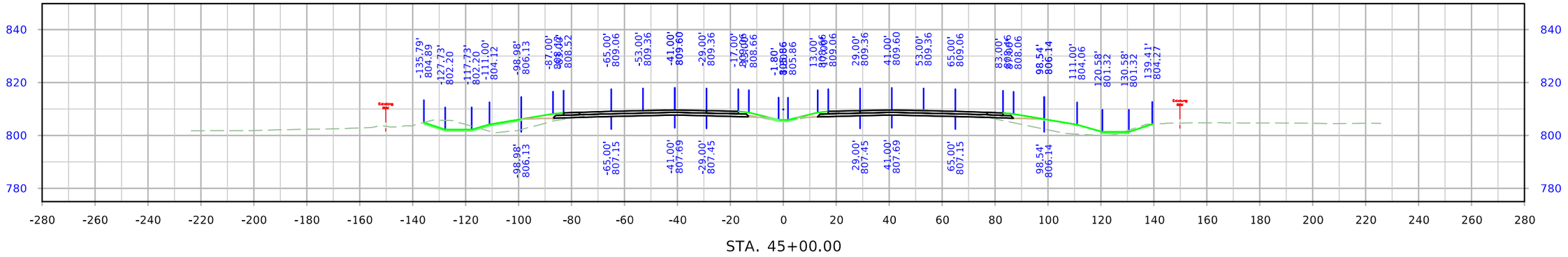
I-380



STA. 46+00.00



STA. 45+50.00

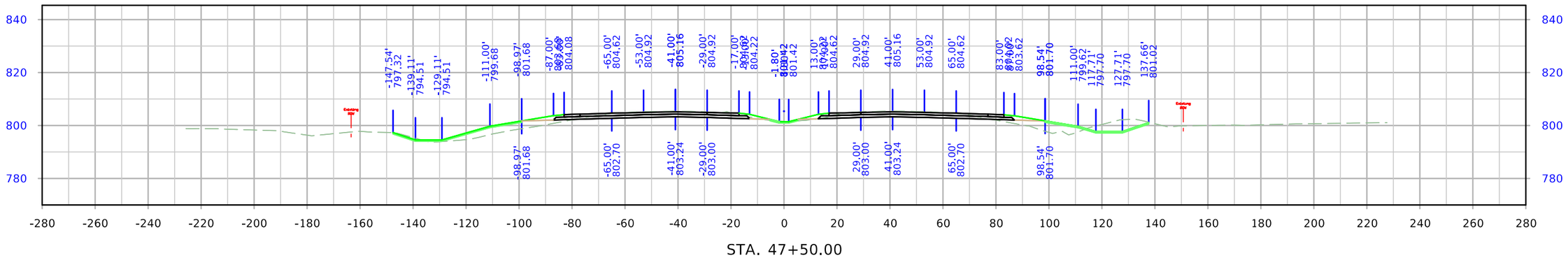


STA. 45+00.00

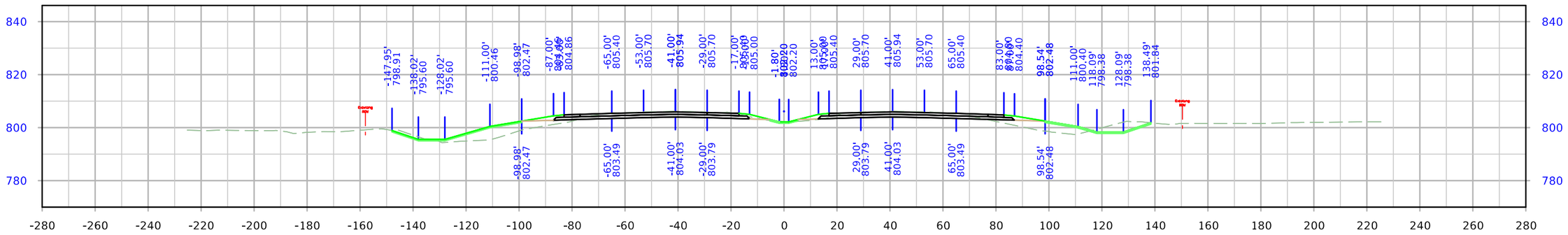
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.061

8:15:17 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

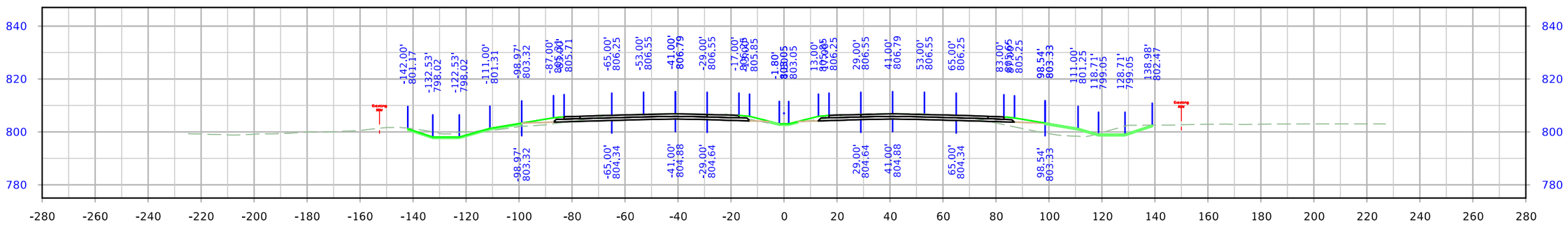
I-380



STA. 47+50.00



STA. 47+00.00

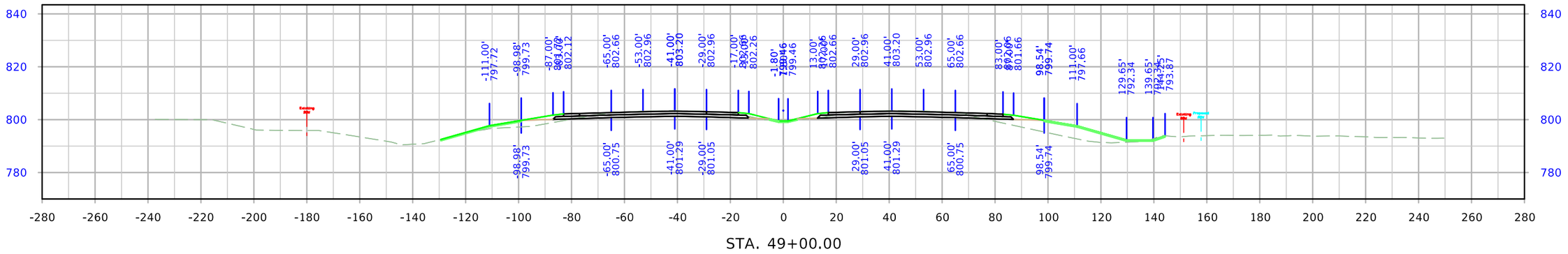


STA. 46+50.00

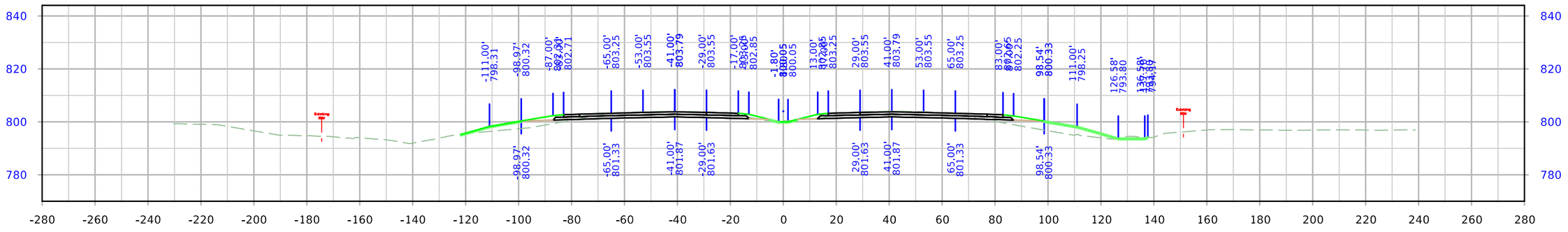
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.062

8:15:25 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

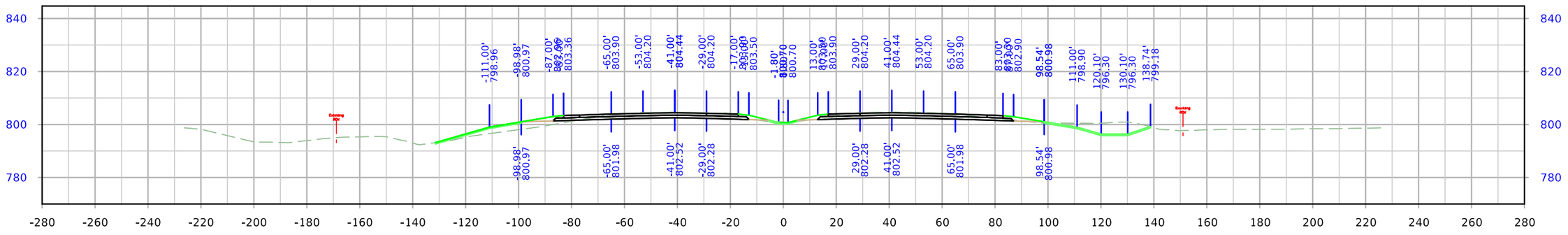
I-380



STA. 49+00.00



STA. 48+50.00

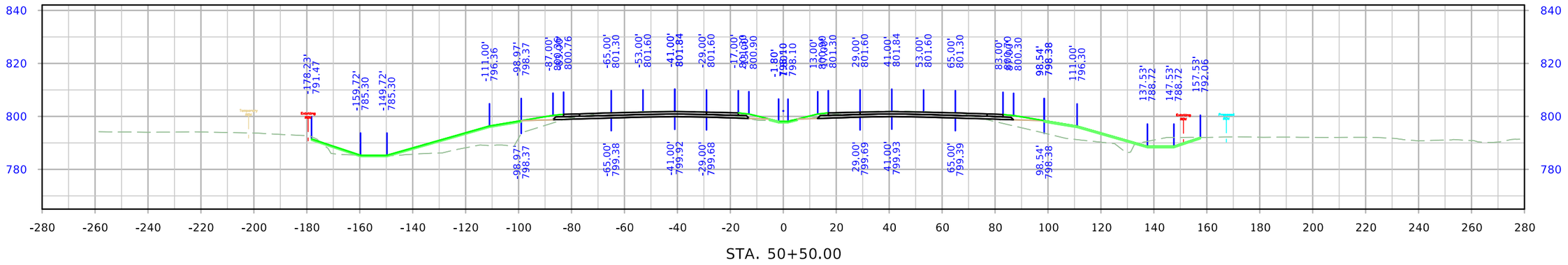


STA. 48+00.00

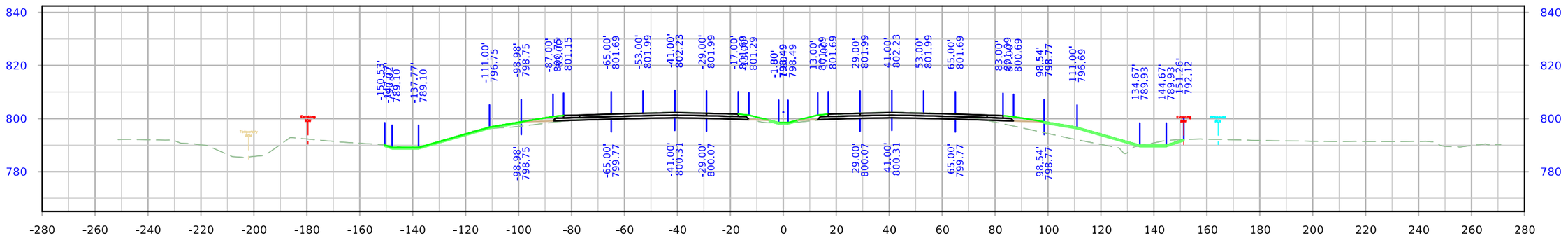
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.063	

8:15:33 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

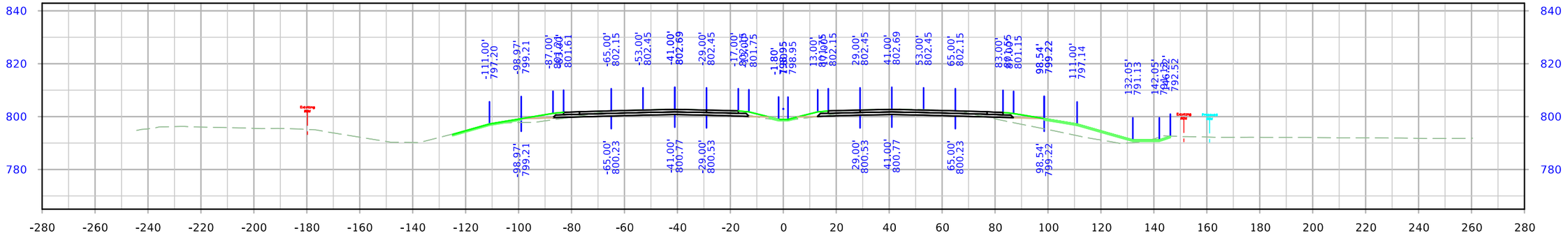
I-380



STA. 50+50.00



STA. 50+00.00

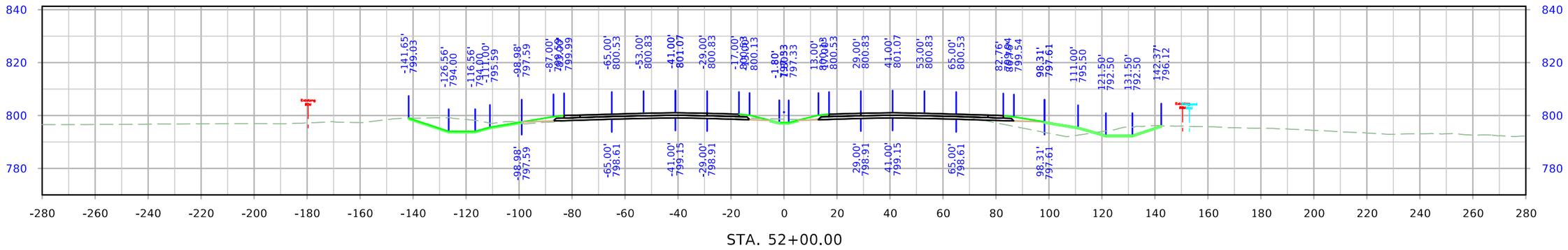


STA. 49+50.00

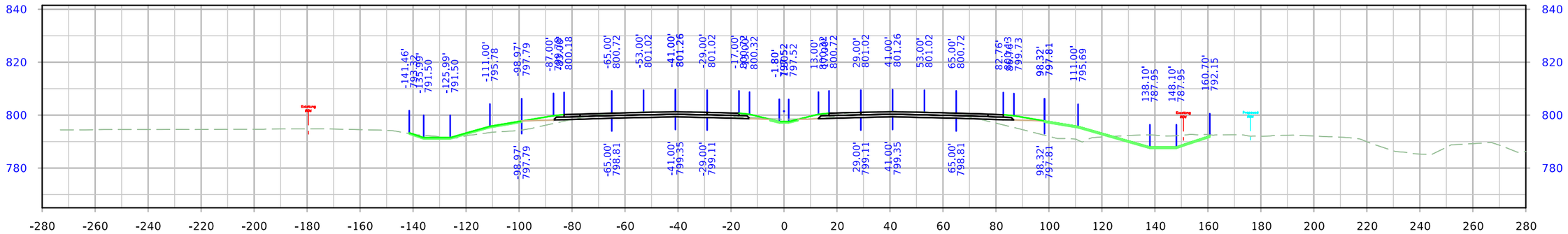
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.064

8:15:41 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

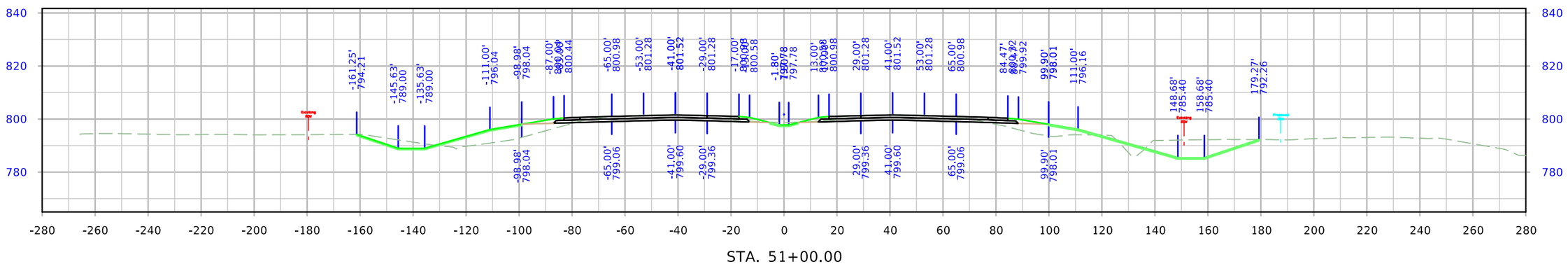
I-380



STA. 52+00.00



STA. 51+50.00

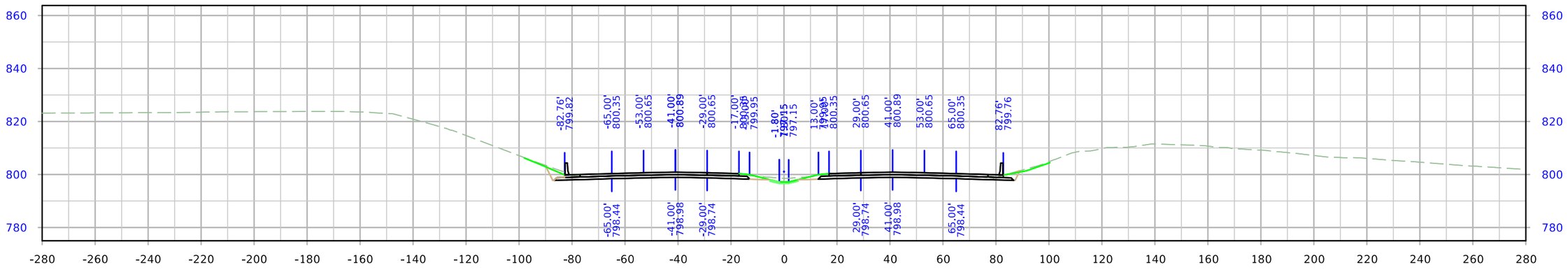


STA. 51+00.00

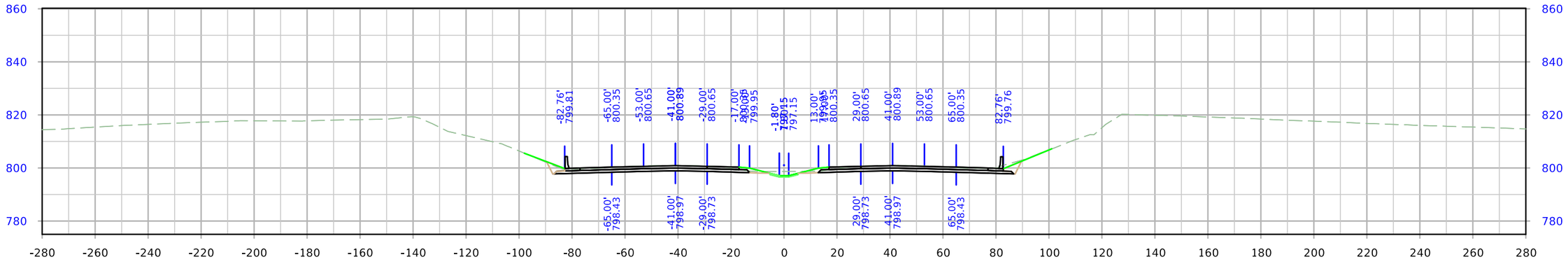
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.065

8:15:49 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

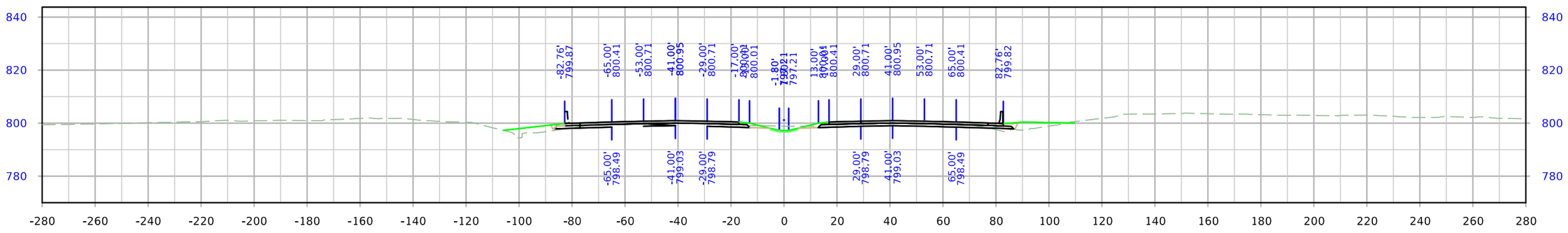
I-380



STA. 53+50.00



STA. 53+00.00

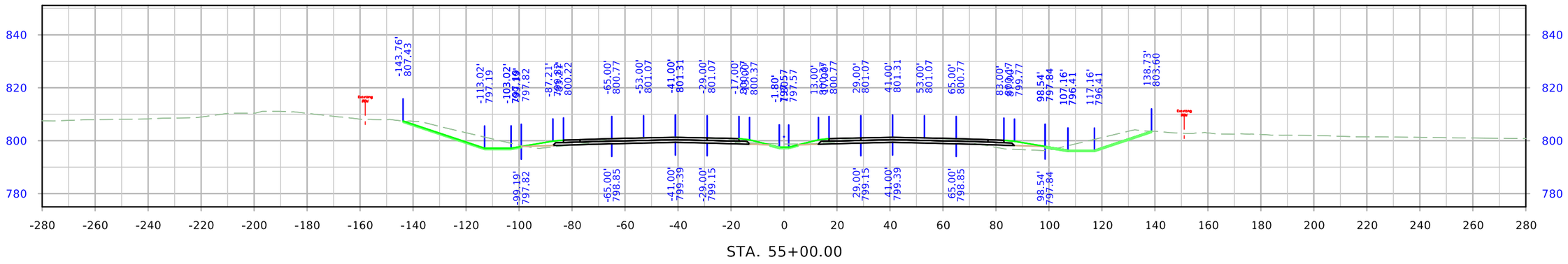


STA. 52+50.00

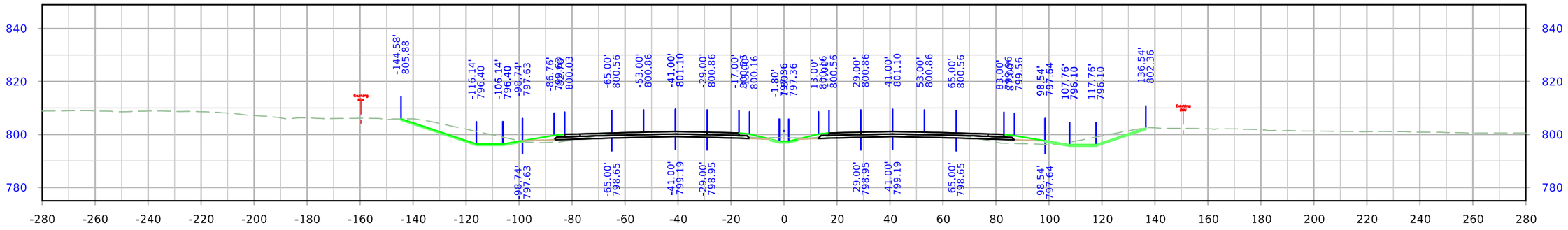
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.066	

8:15:56 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

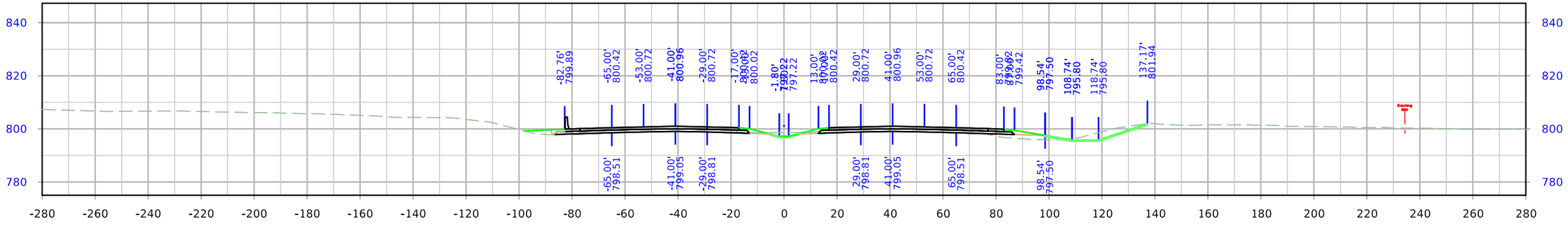
I-380



STA. 55+00.00



STA. 54+50.00

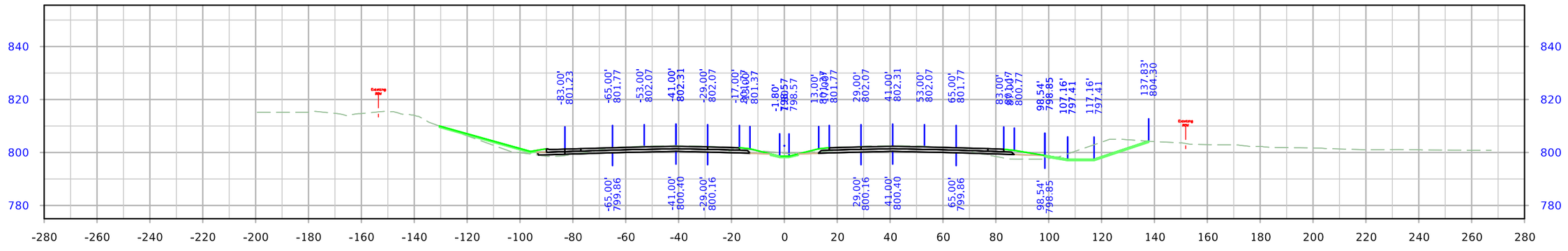


STA. 54+00.00

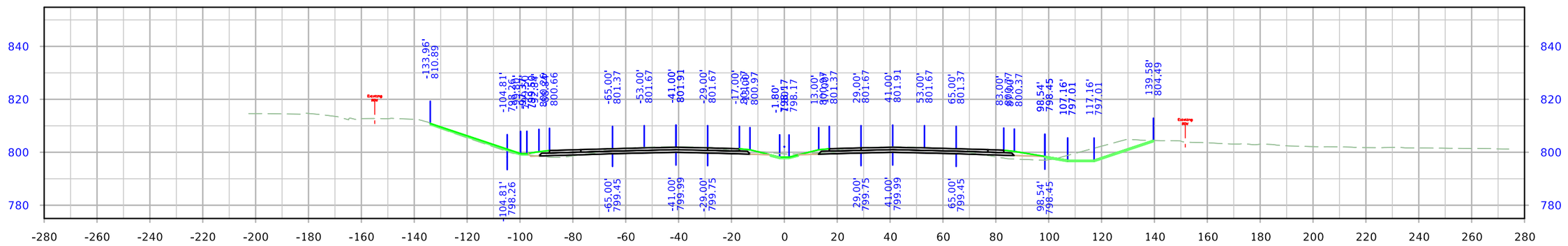
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.067

8:16:04 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

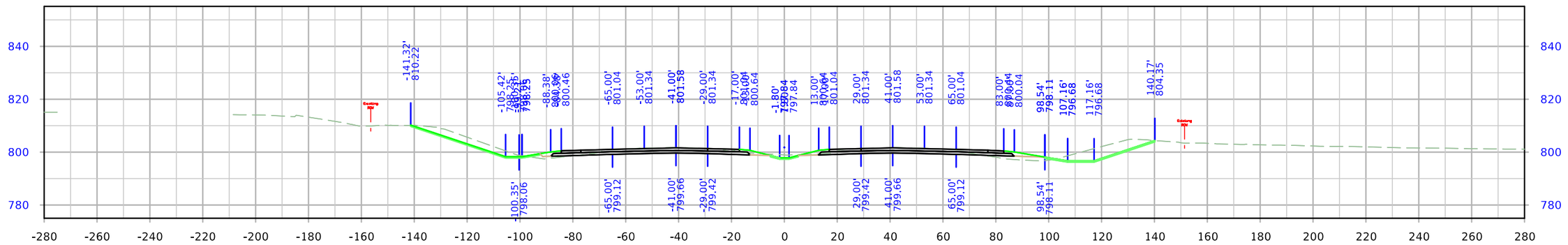
I-380



STA. 56+50.00



STA. 56+00.00

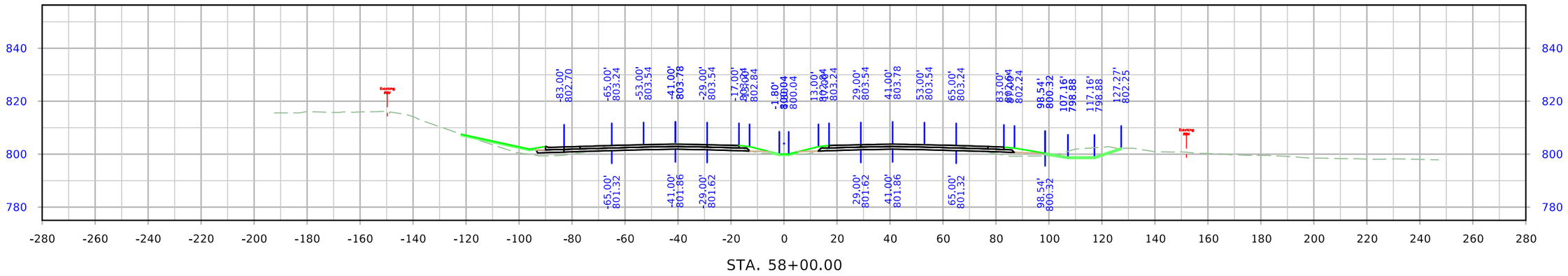


STA. 55+50.00

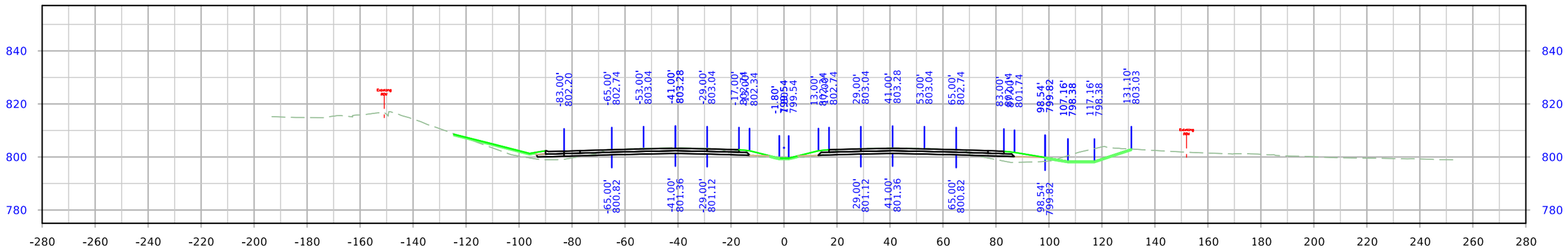
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.068	

8:16:11 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

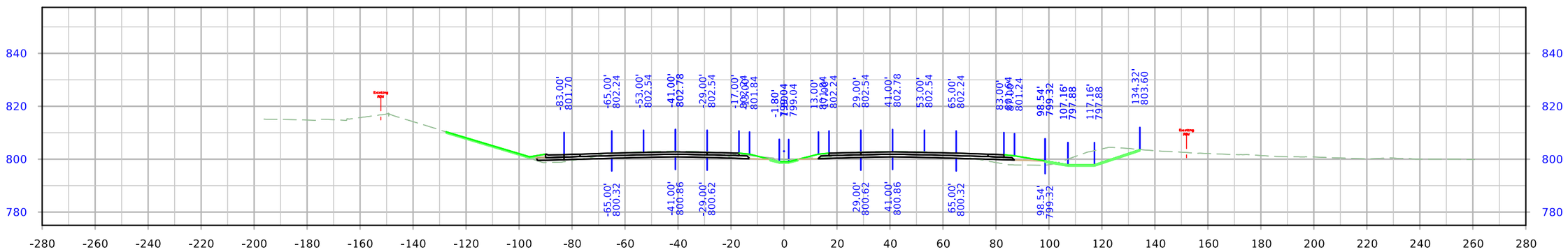
I-380



STA. 58+00.00



STA. 57+50.00

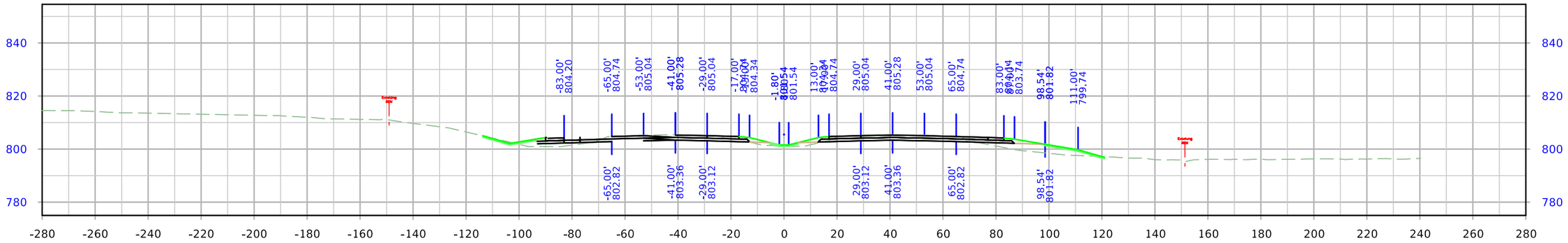


STA. 57+00.00

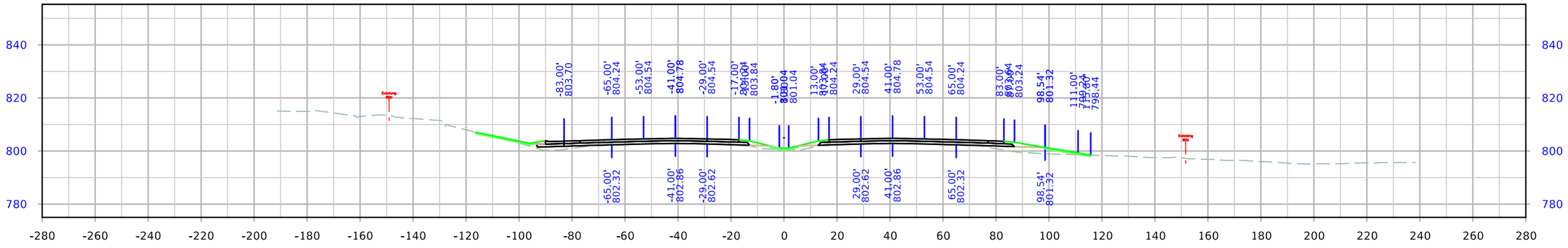
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.069

8:16:19 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

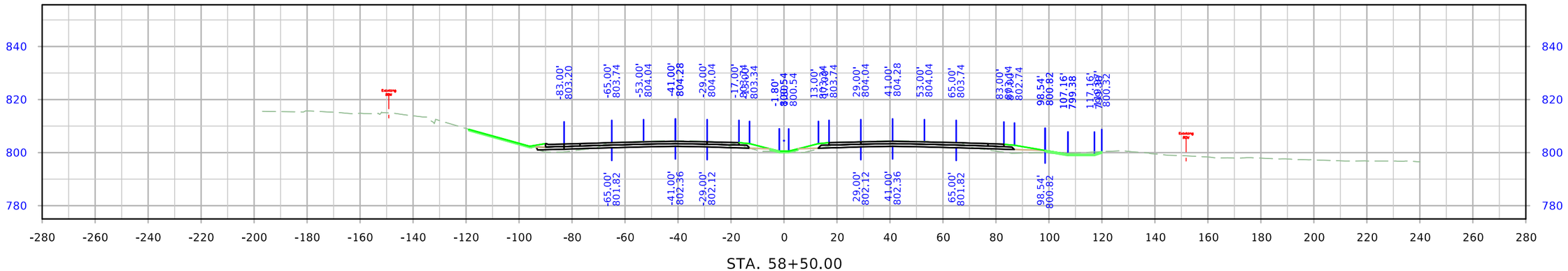
I-380



STA. 59+50.00



STA. 58+50.00

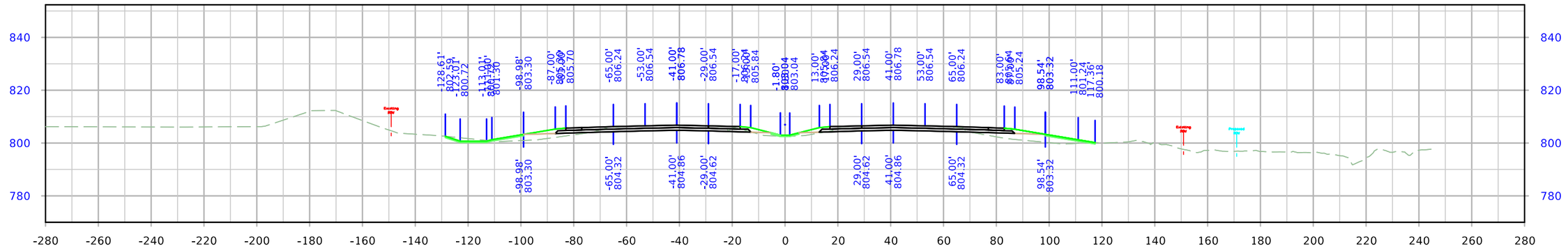


STA. 58+50.00

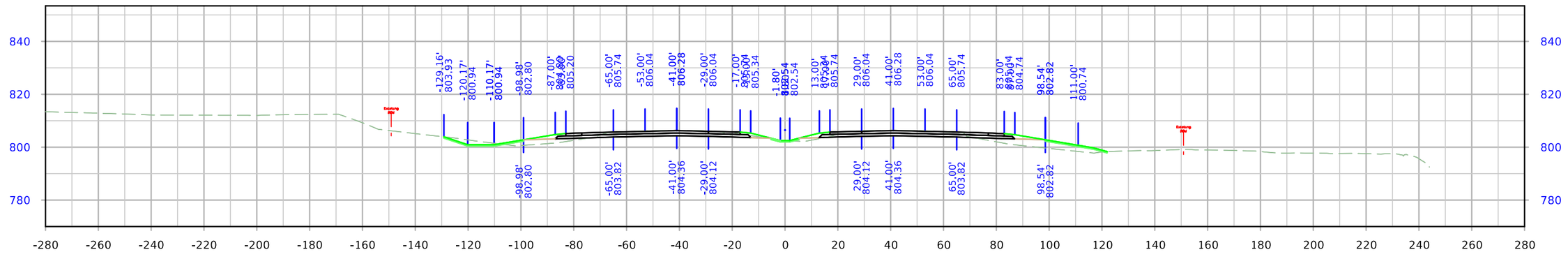
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.070

8:16:26 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

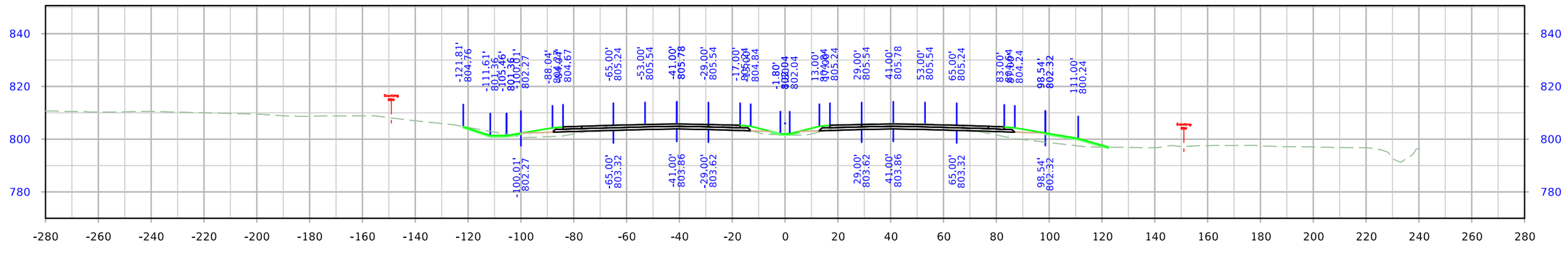
I-380



STA. 61+00.00



STA. 60+50.00

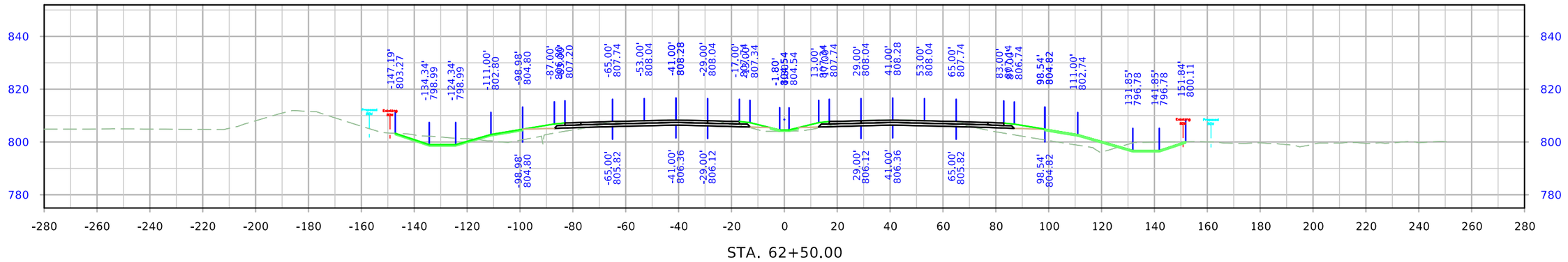


STA. 60+00.00

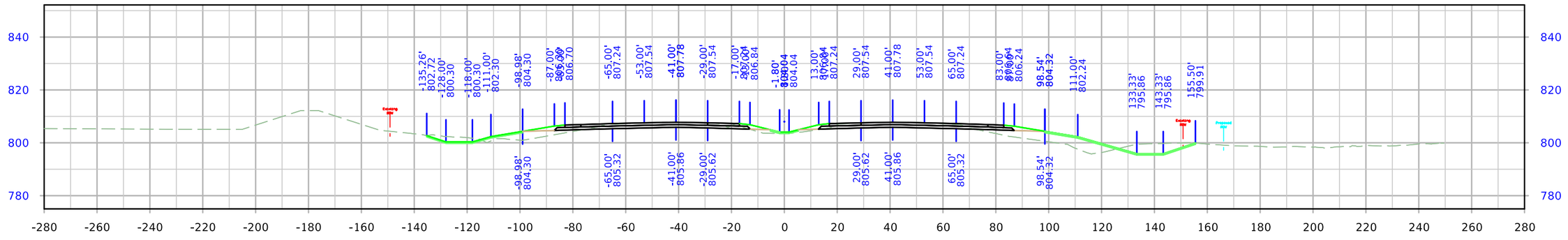
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.071

8:16:34 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

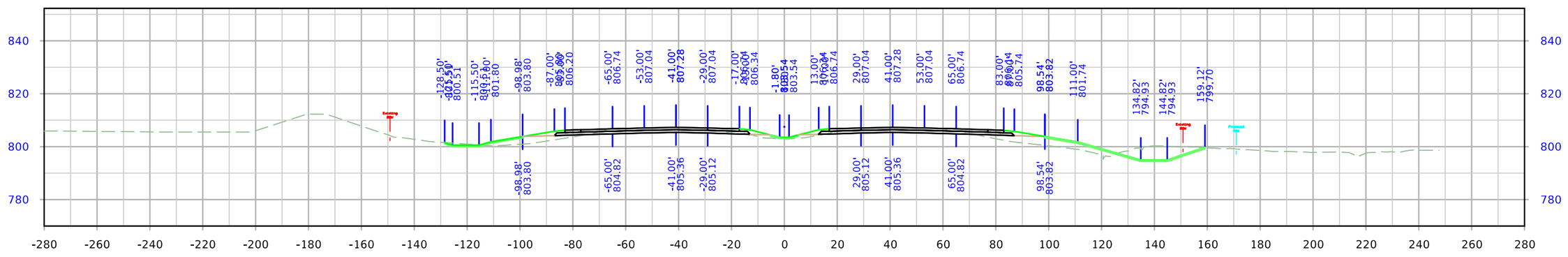
I-380



STA. 62+50.00



STA. 62+00.00

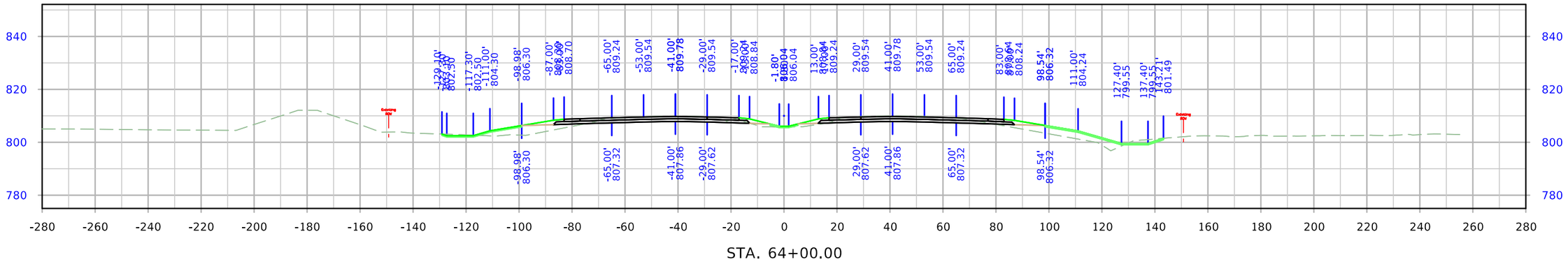


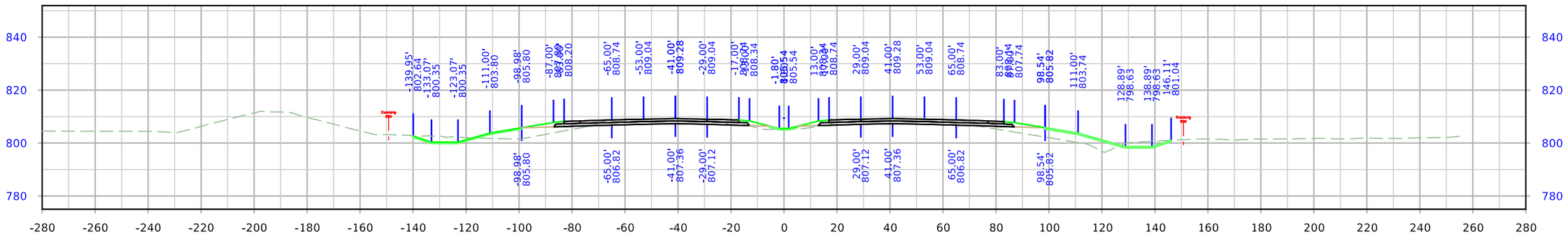
STA. 61+50.00

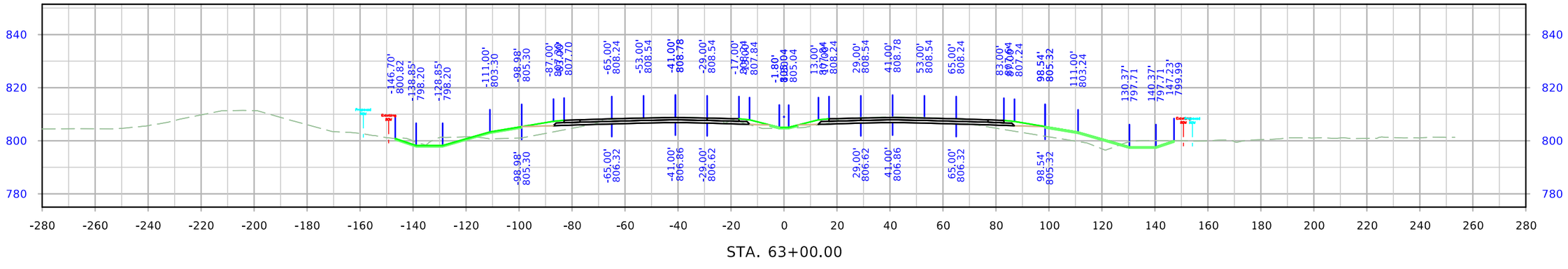
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.072

8:16:42 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

I-380



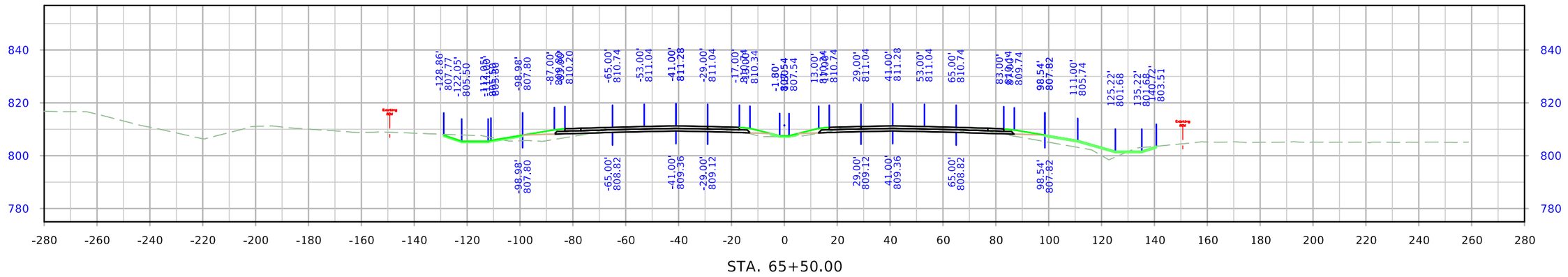




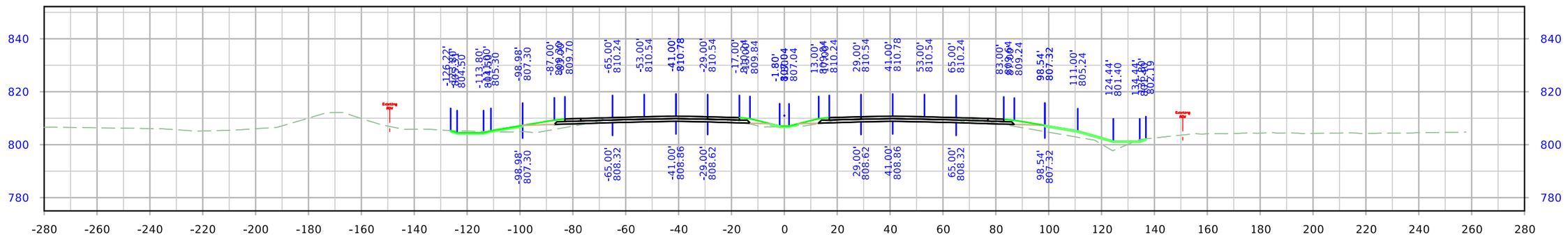
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.073

8:16:50 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

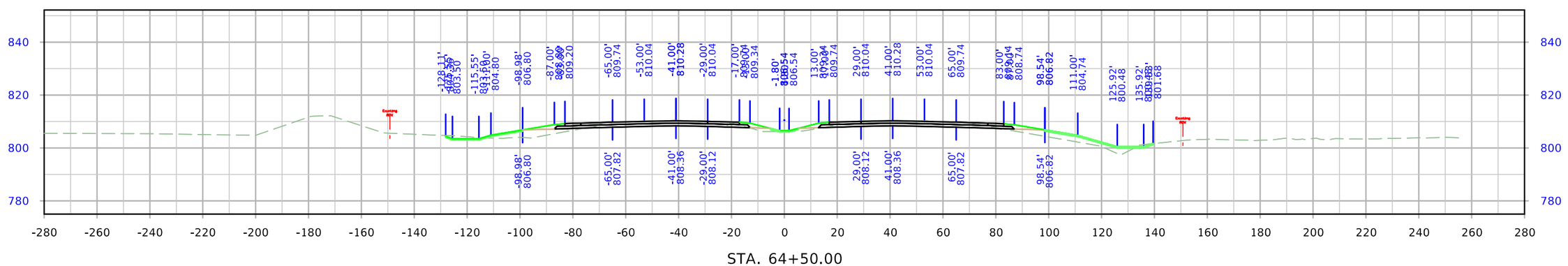
I-380



STA. 65+50.00



STA. 65+00.00

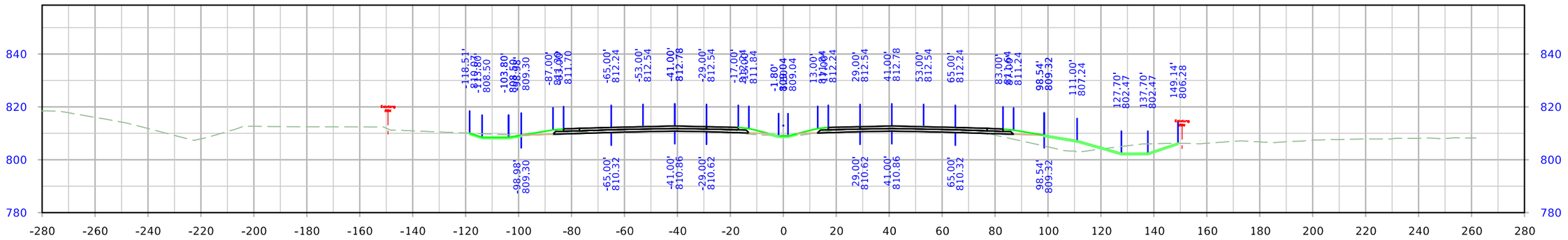


STA. 64+50.00

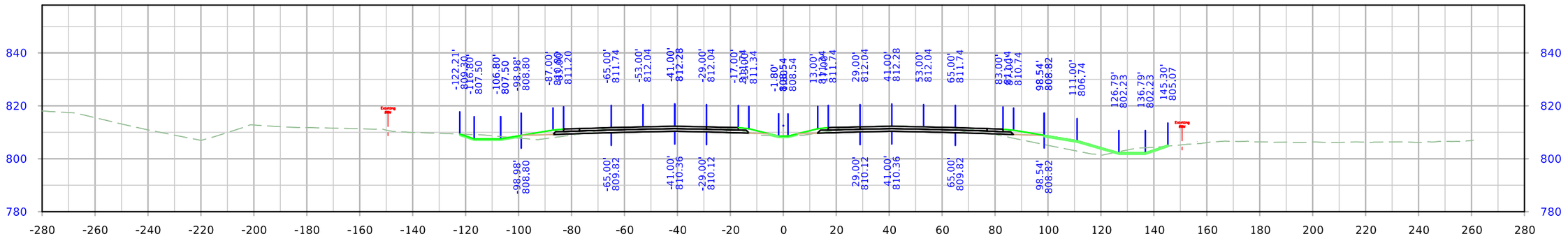
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.074

8:16:56 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

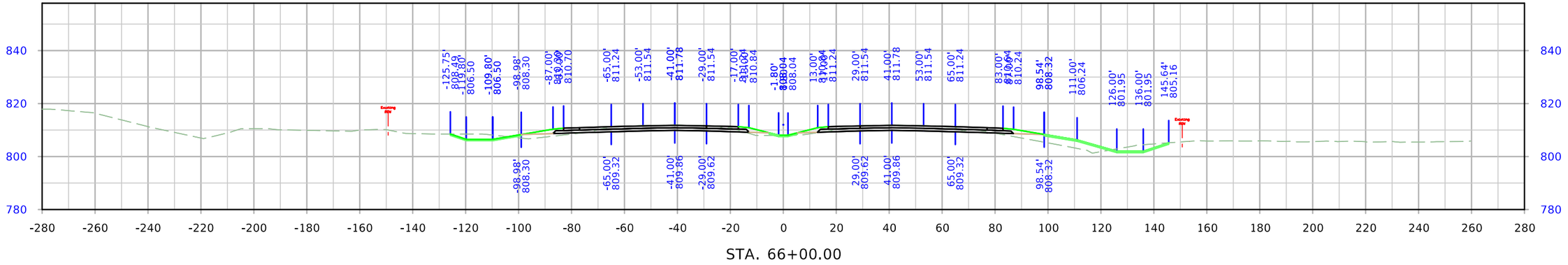
I-380



STA. 67+00.00



STA. 66+50.00

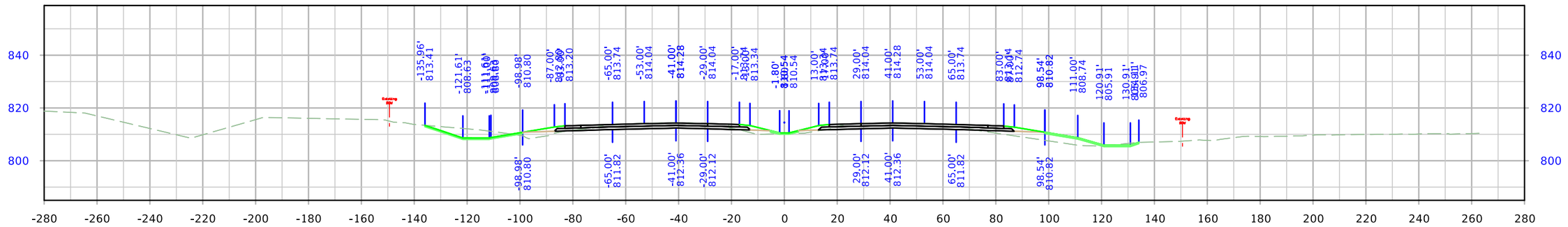


STA. 66+00.00

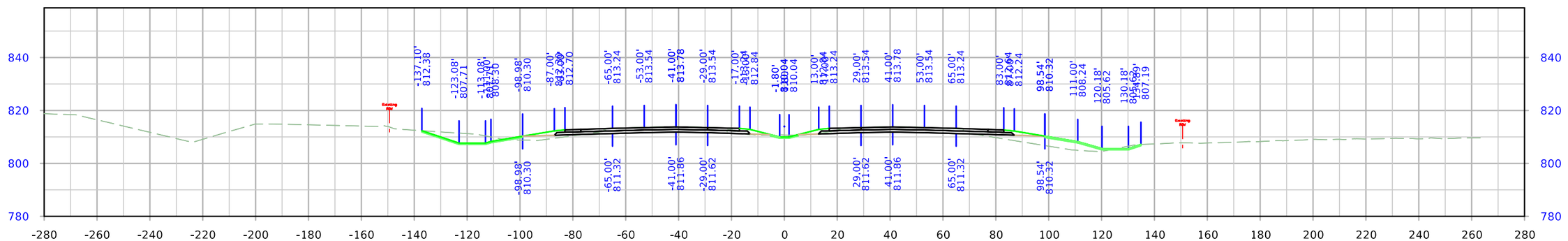
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.075

8:17:05 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

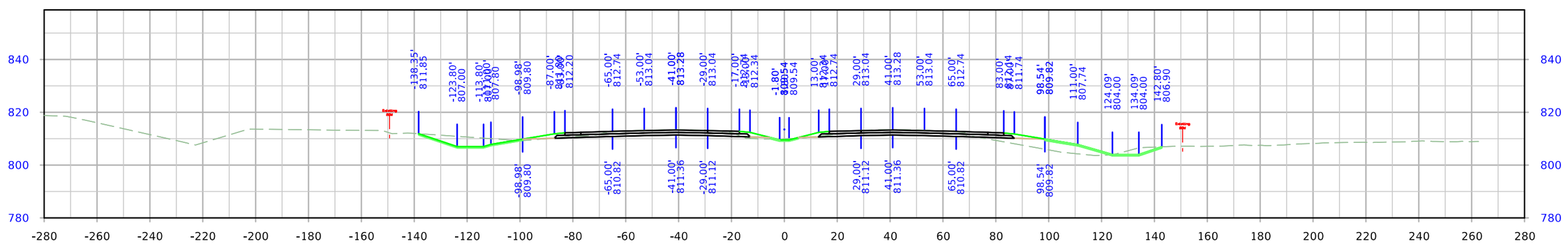
I-380



STA. 68+50.00



STA. 68+00.00

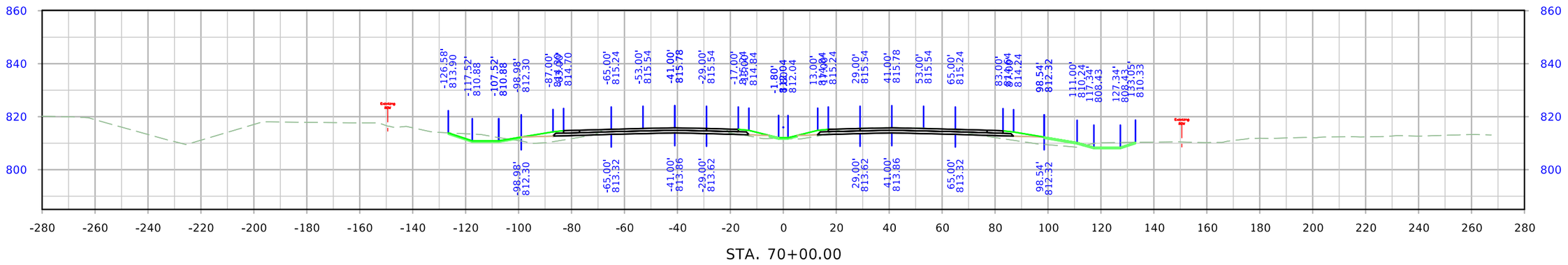


STA. 67+50.00

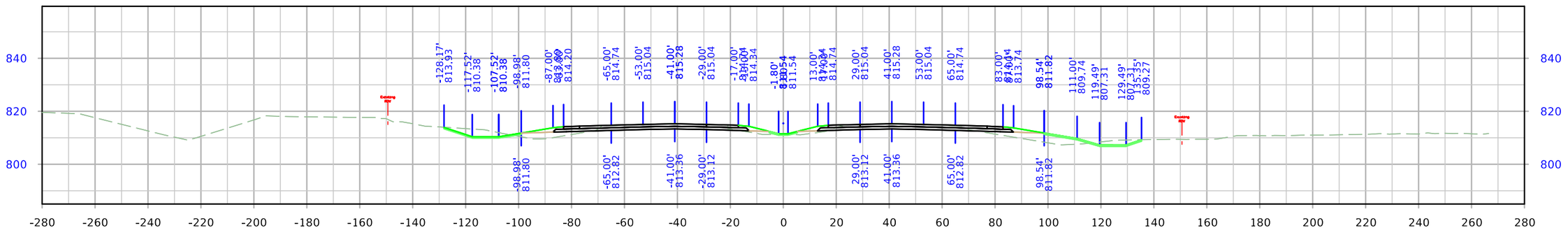
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.076

8:17:13 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

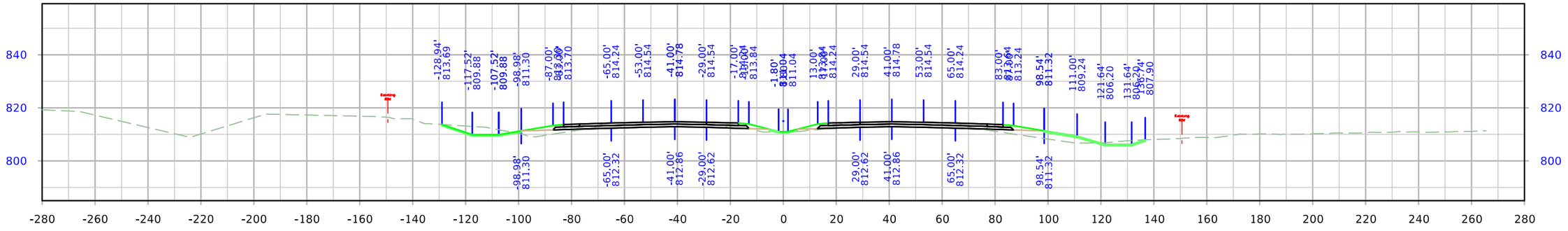
I-380



STA. 70+00.00



STA. 69+50.00

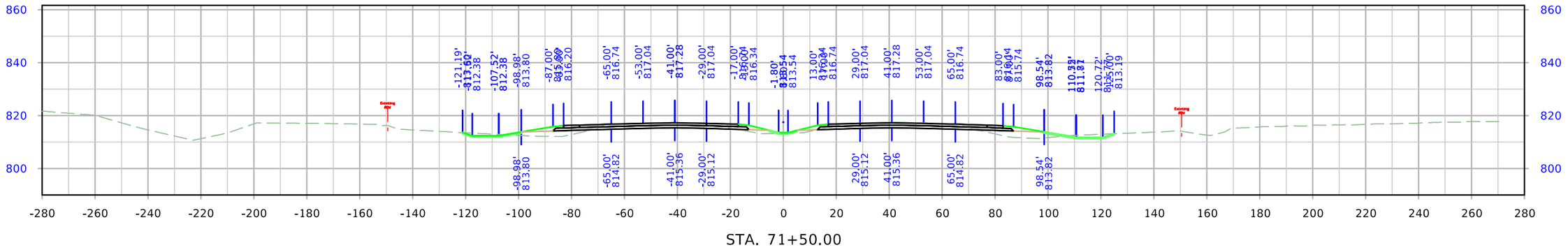


STA. 69+00.00

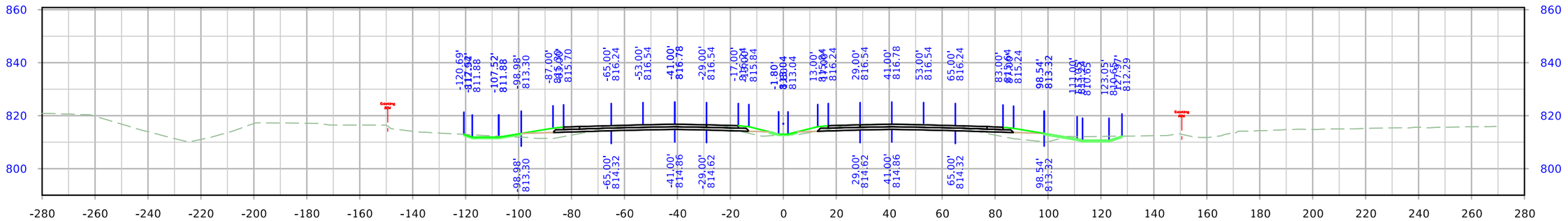
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.077

8:17:21 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

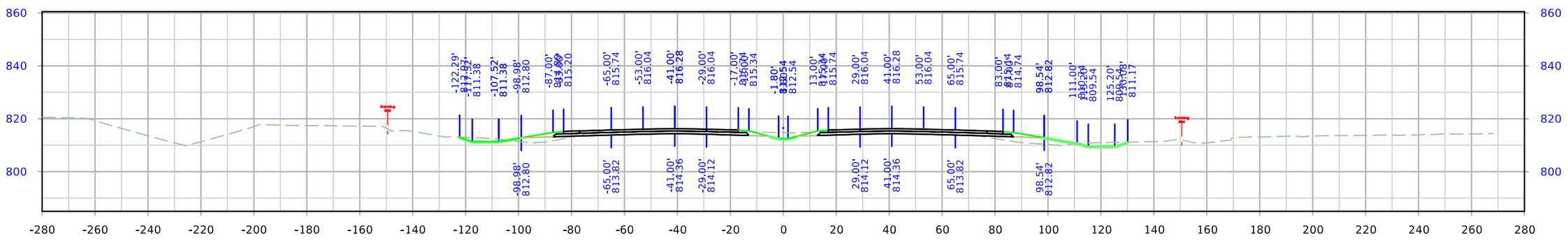
I-380



STA. 71+50.00



STA. 71+00.00

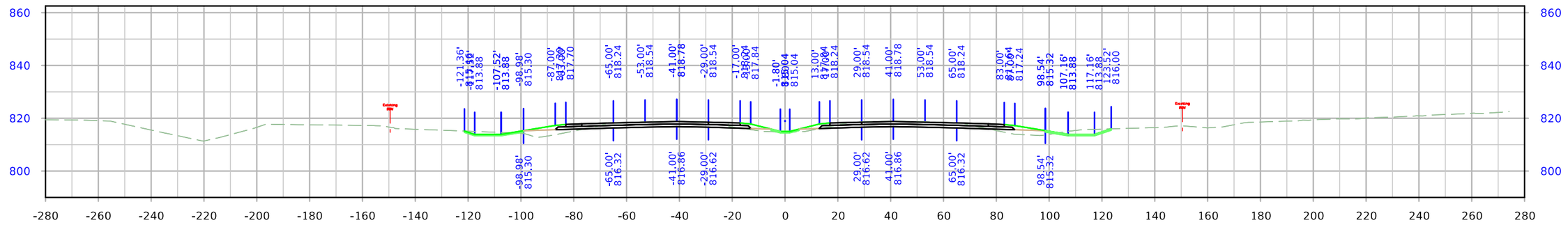


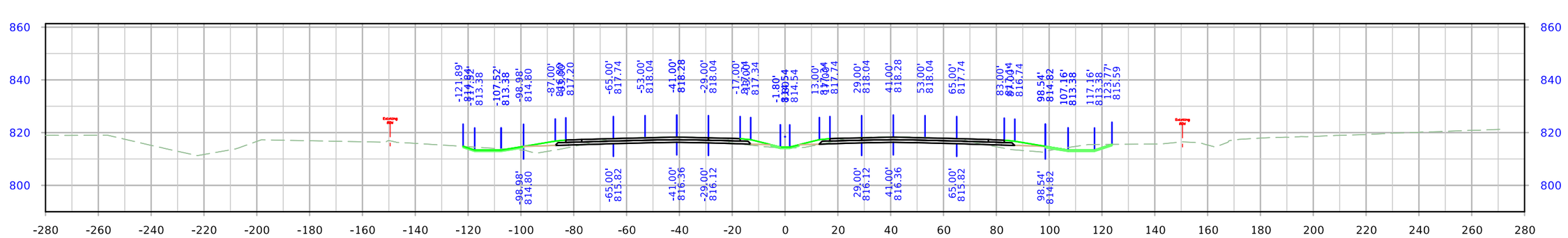
STA. 70+50.00

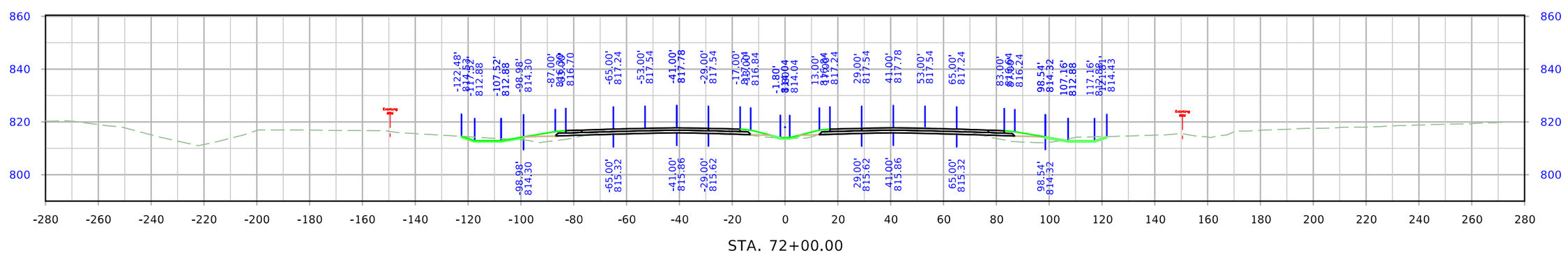
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.078

8:17:27 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

I-380



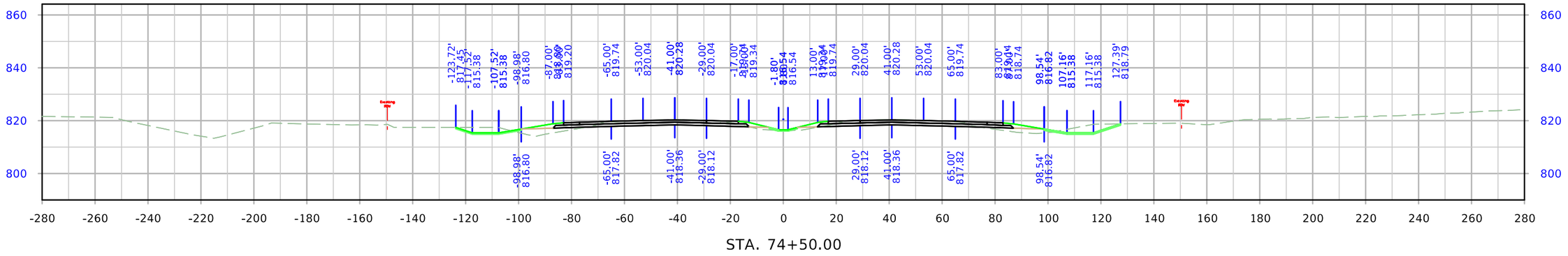




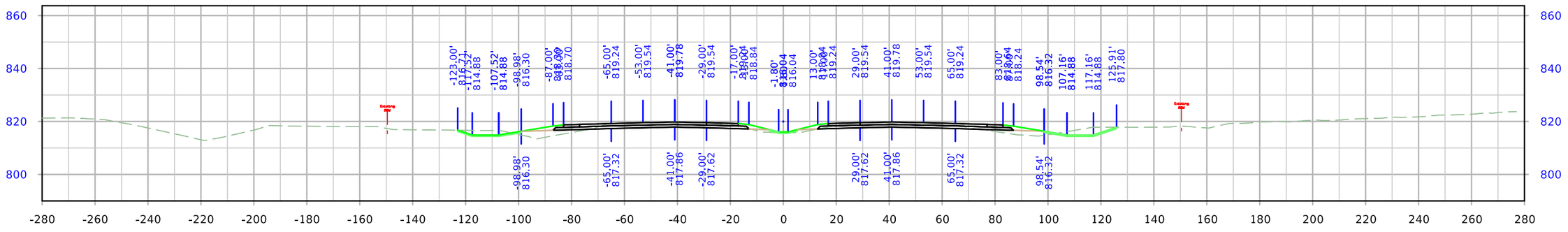
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.079

8:17:36 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

I-380



STA. 74+50.00



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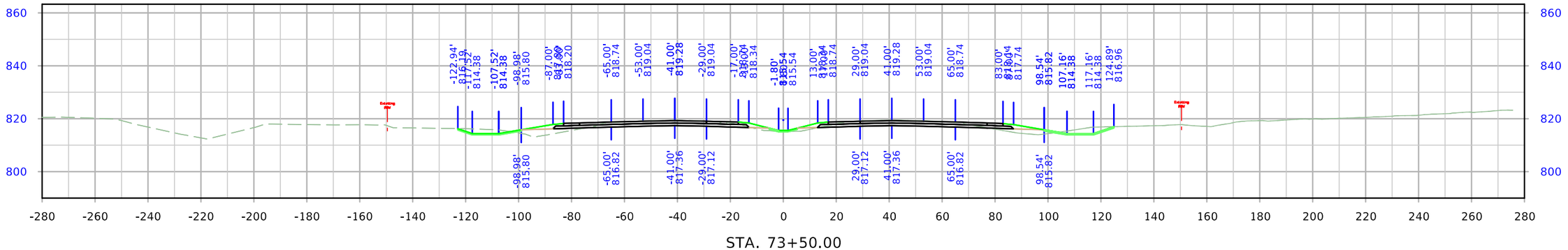
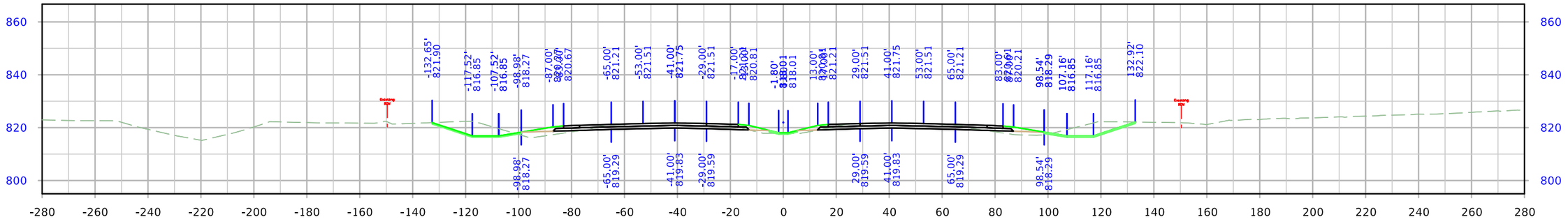


STA. 73+50.00

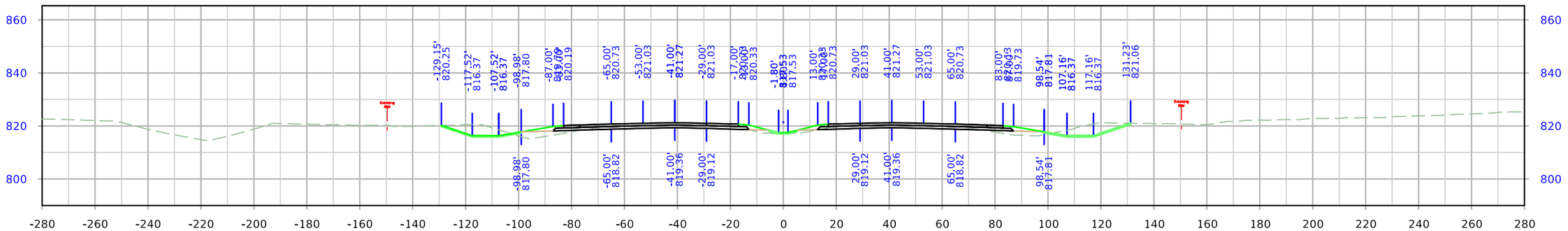
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.080	

8:17:42 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

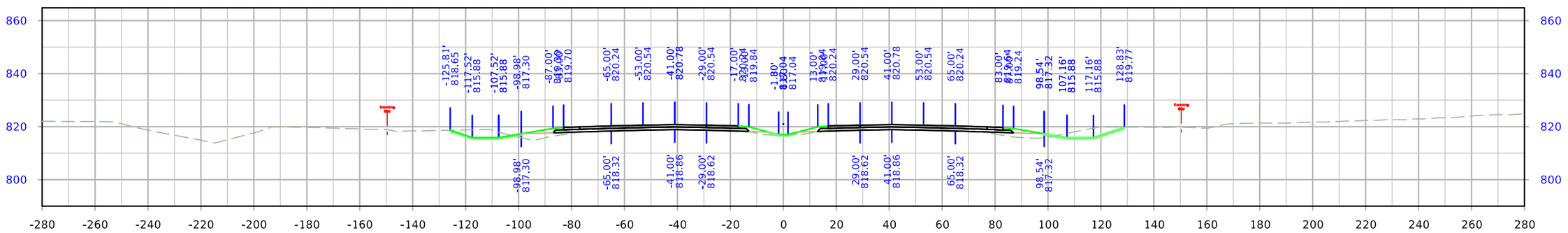
I-380



STA. 76+00.00



STA. 75+50.00

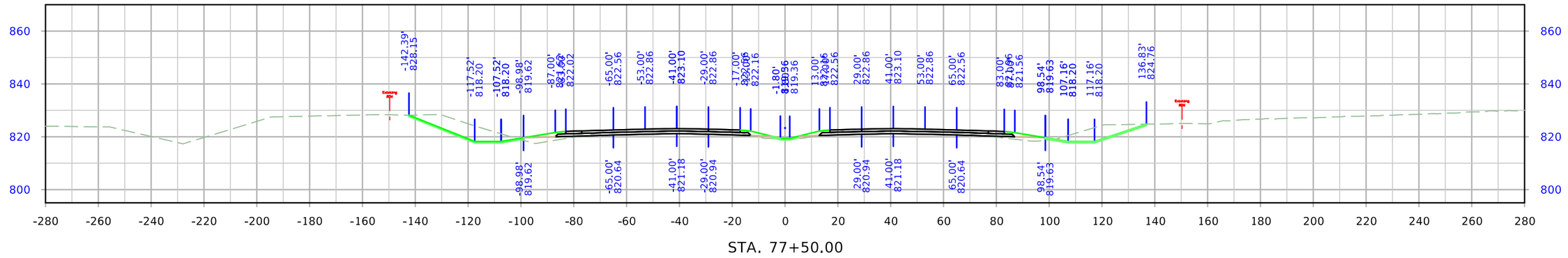


STA. 75+00.00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.081	

8:17:50 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

I-380



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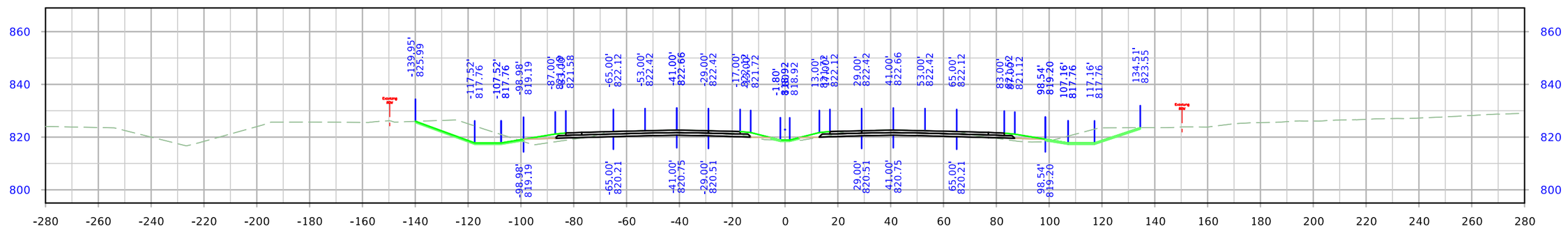
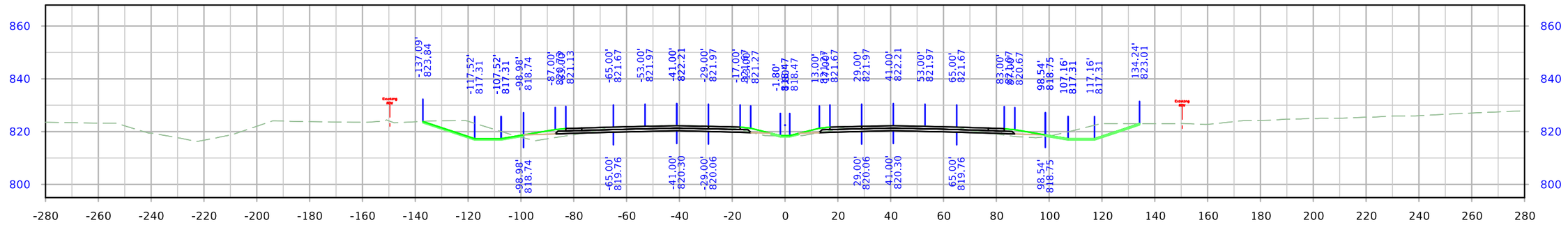


STA. 77+00.00

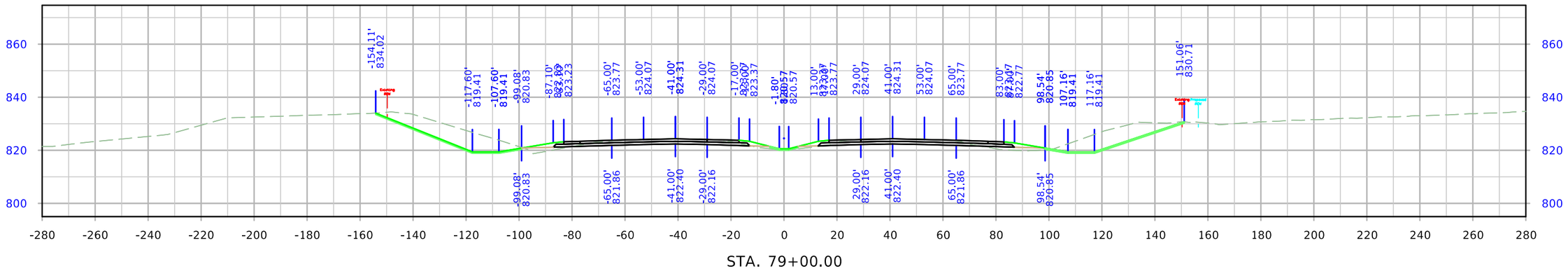


STA. 76+50.00

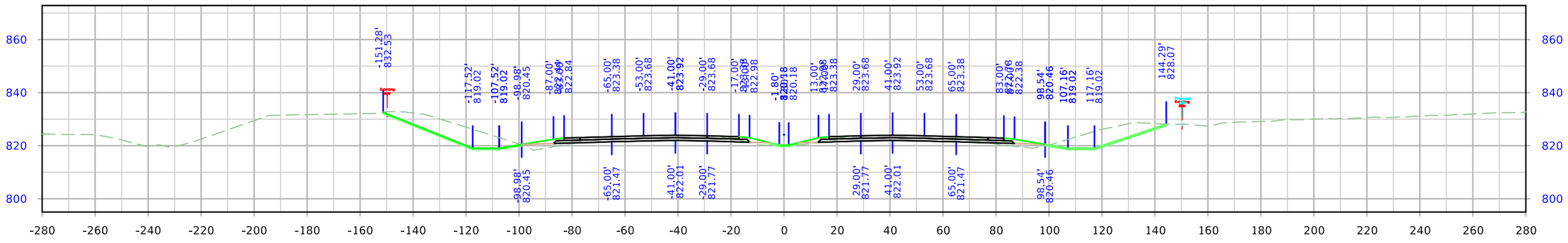
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.082

8:17:58 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

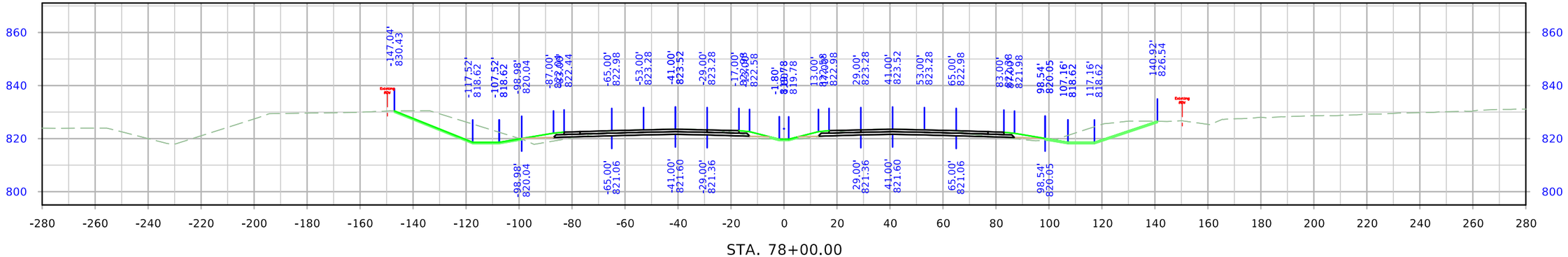
I-380



STA. 79+00.00



STA. 78+50.00

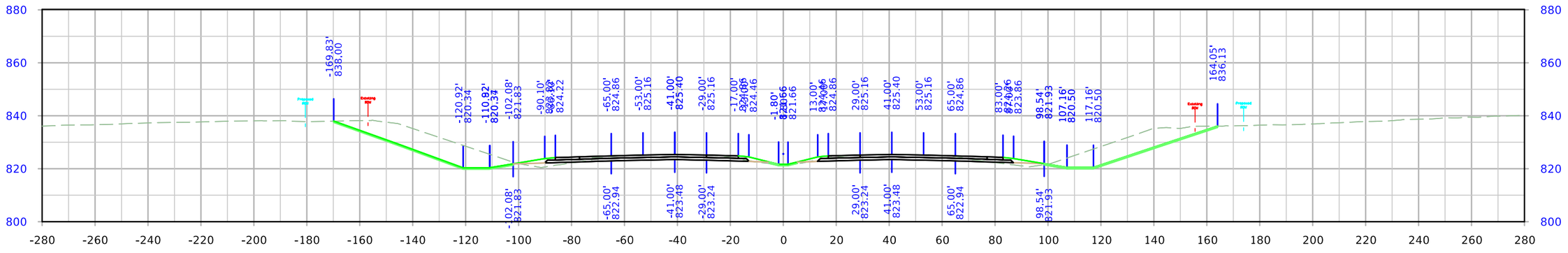


STA. 78+00.00

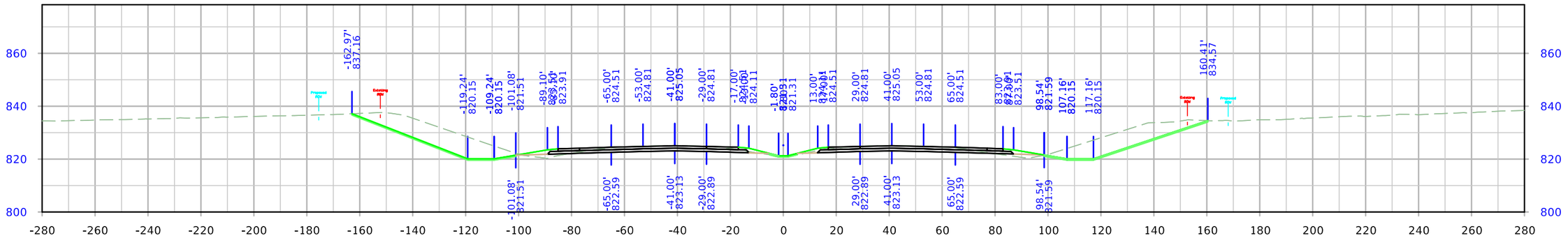
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.083

8:18:06 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

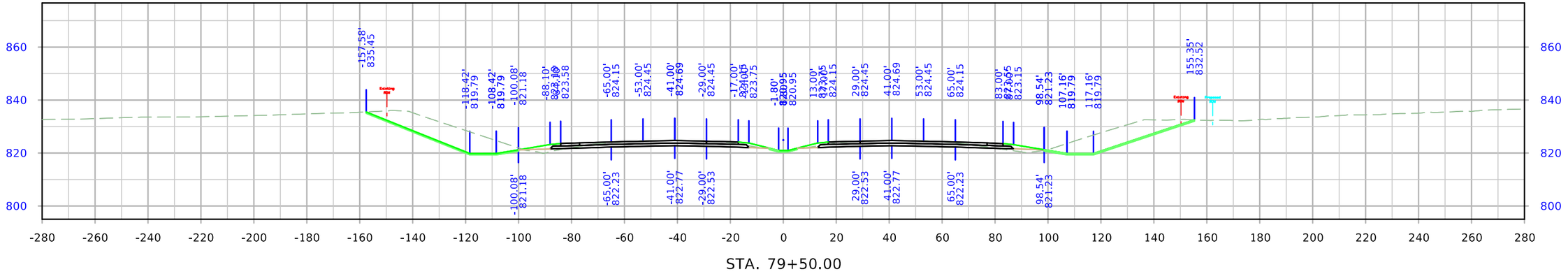
I-380



STA. 80+50.00



STA. 80+00.00

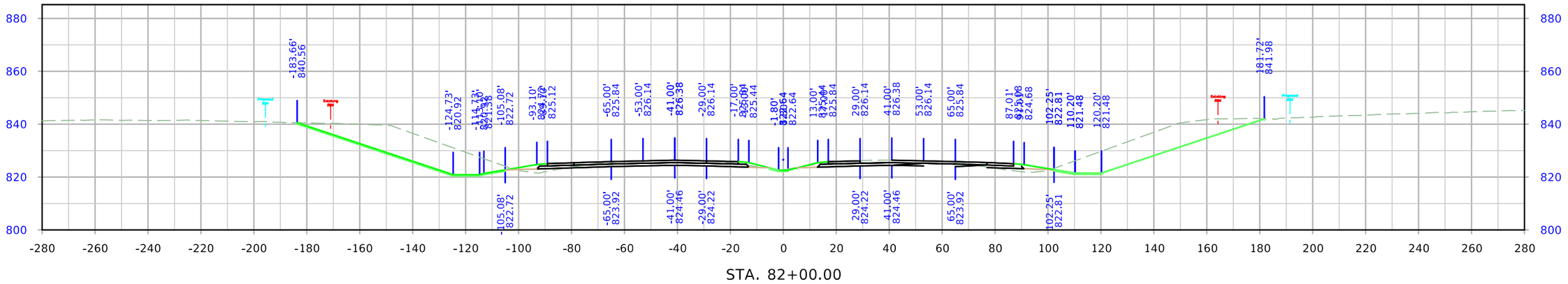


STA. 79+50.00

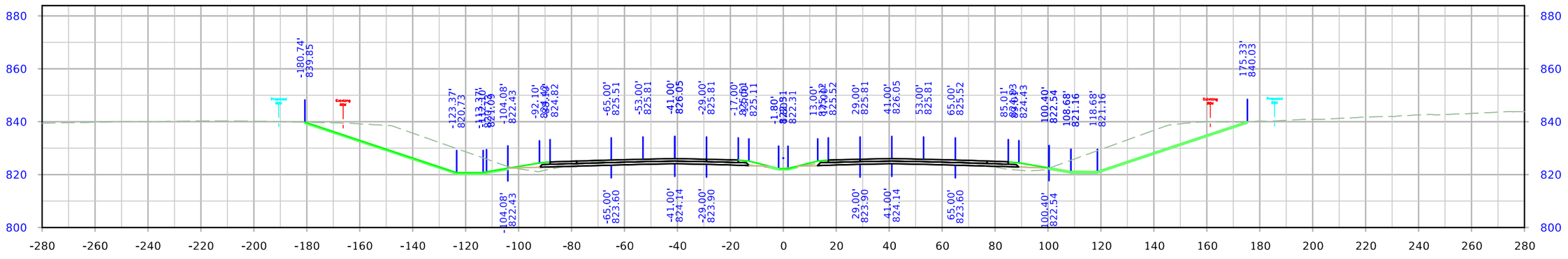
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.084

8:18:14 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

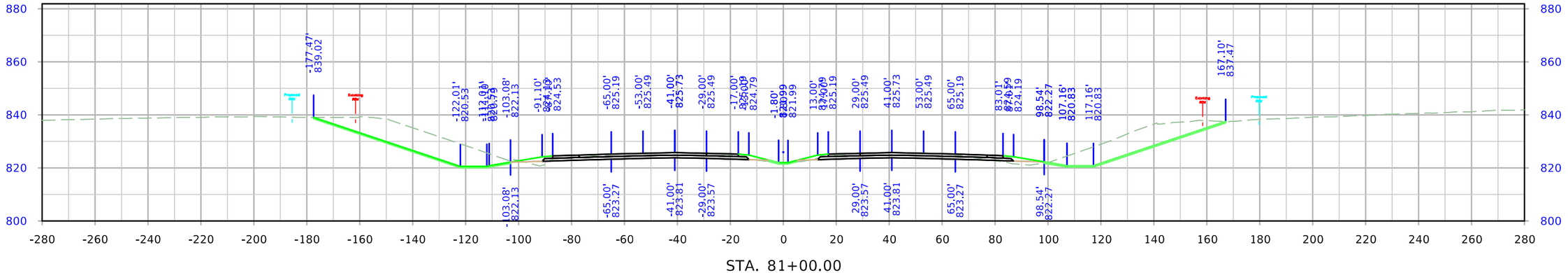
I-380



STA. 82+00.00



STA. 81+50.00

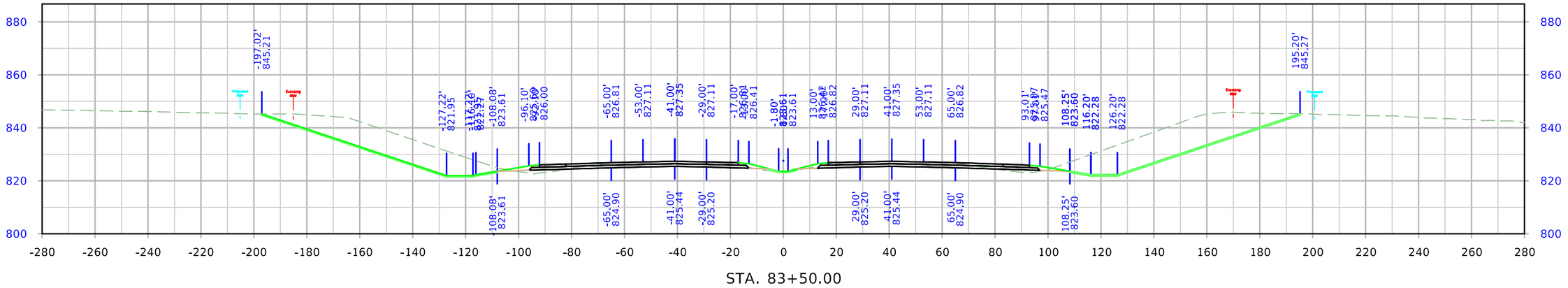


STA. 81+00.00

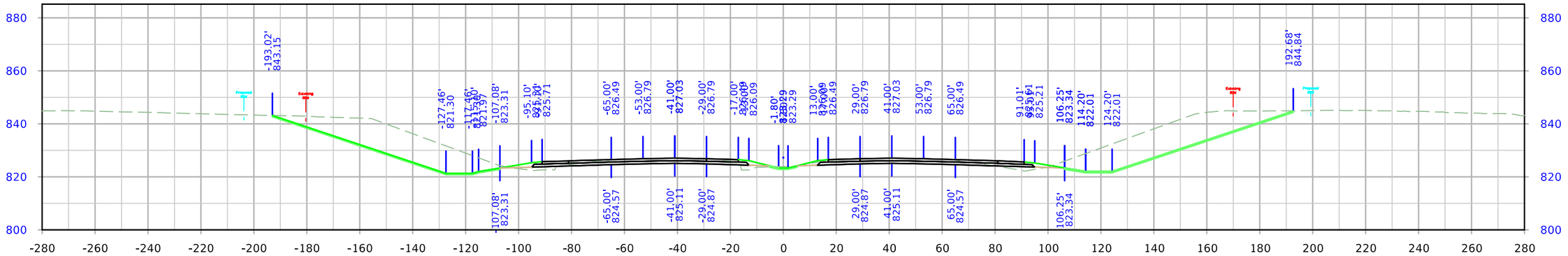
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.085

8:18:21 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

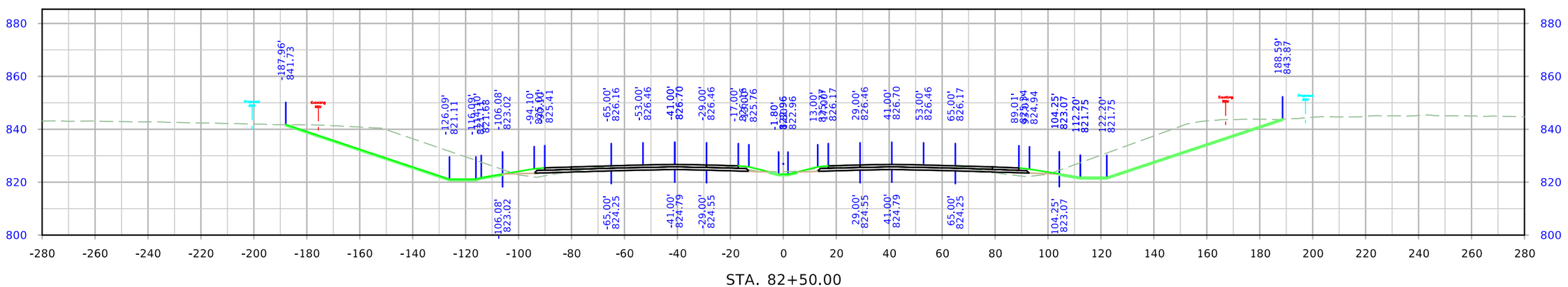
I-380



STA. 83+50.00



STA. 83+00.00

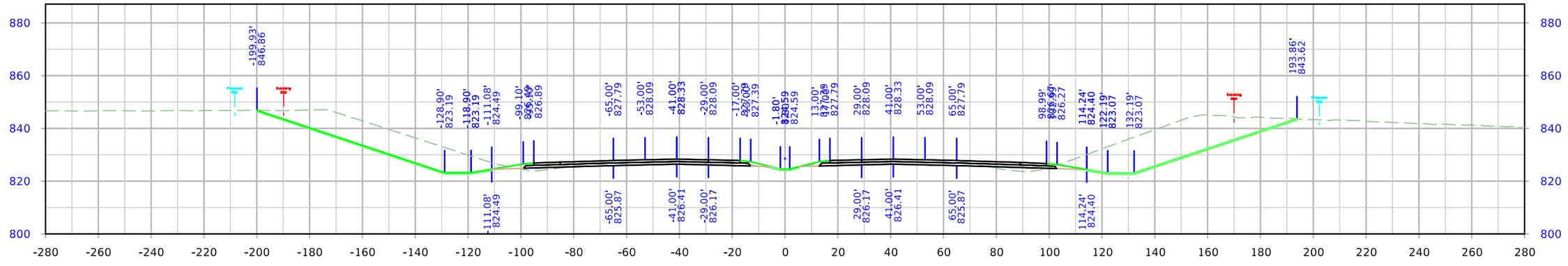


STA. 82+50.00

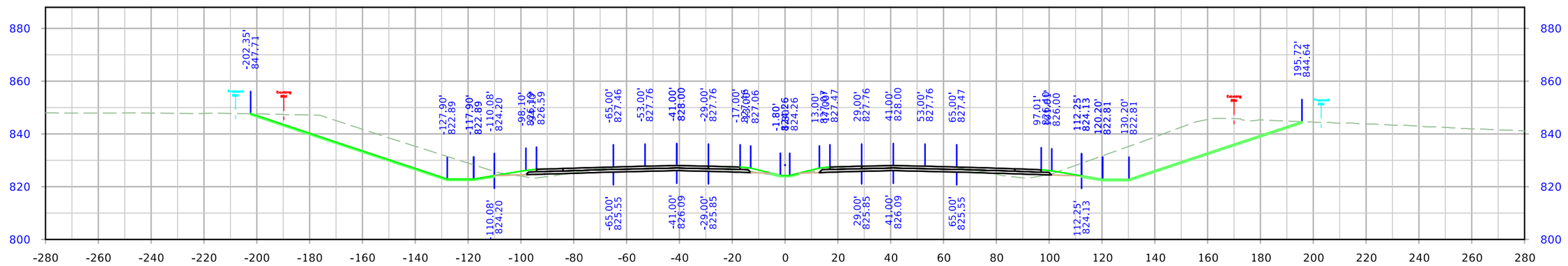
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.086

8:18:29 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

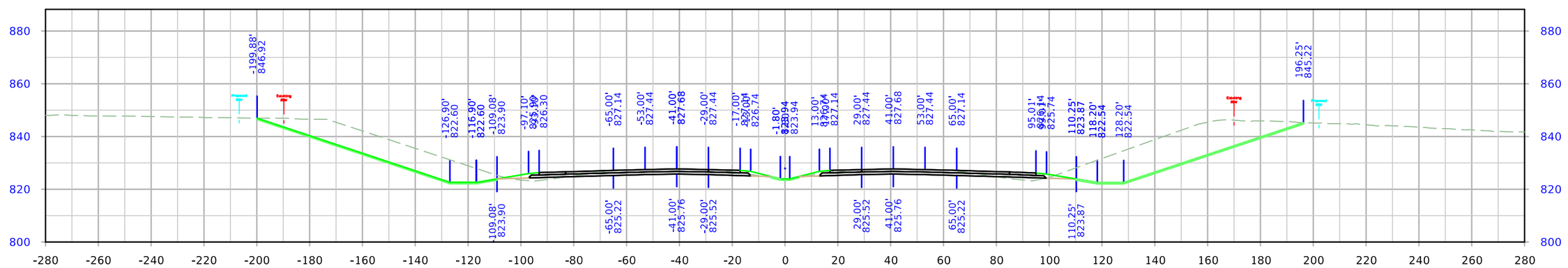
I-380



STA. 85+00.00



STA. 84+50.00

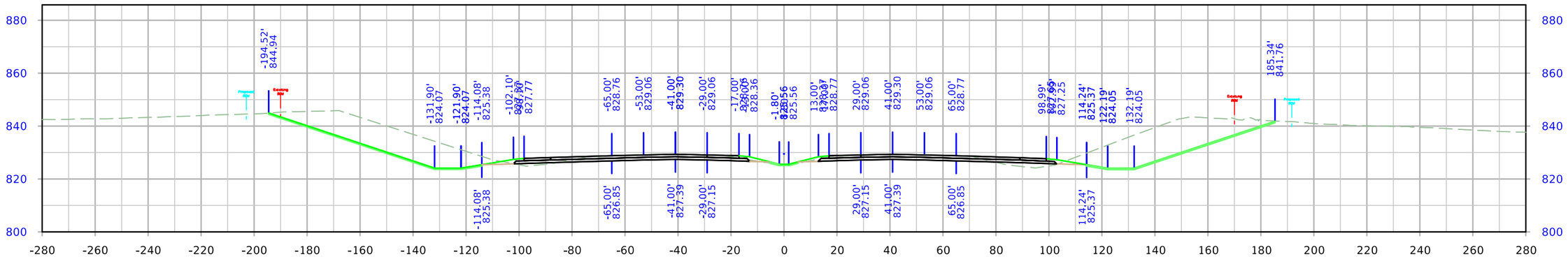


STA. 84+00.00

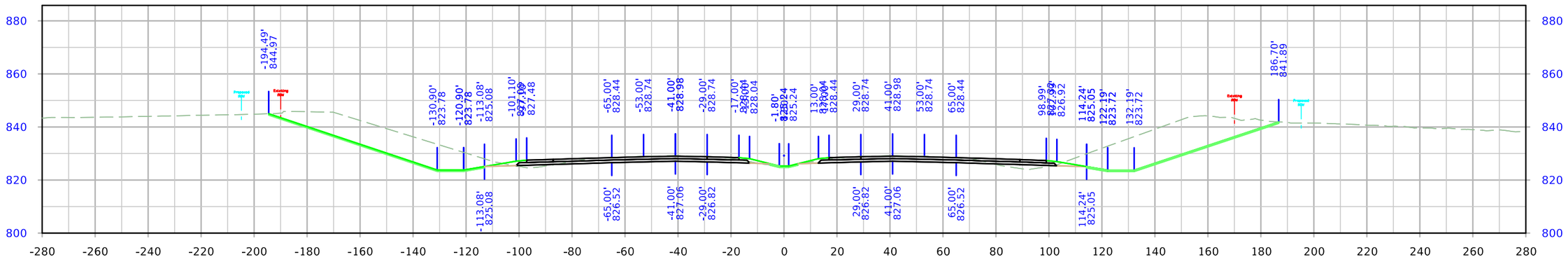
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.087

8:18:37 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

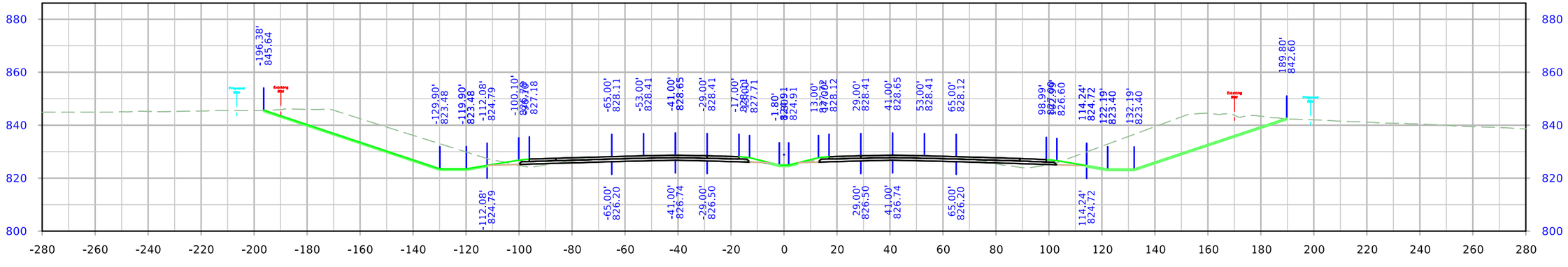
I-380



STA. 86+50.00



STA. 86+00.00

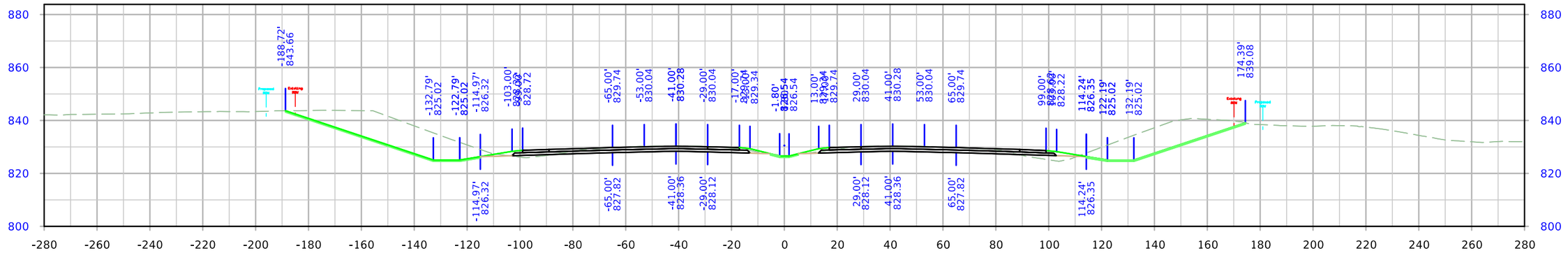


STA. 85+50.00

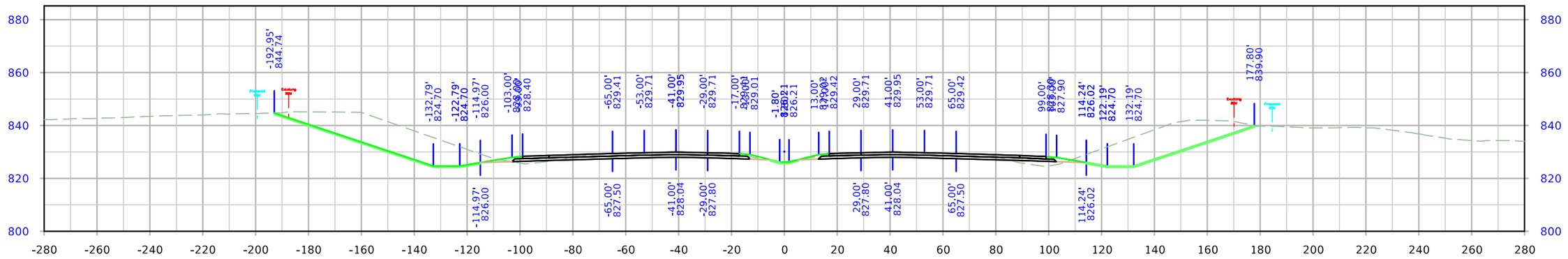
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.088

8:18:47 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

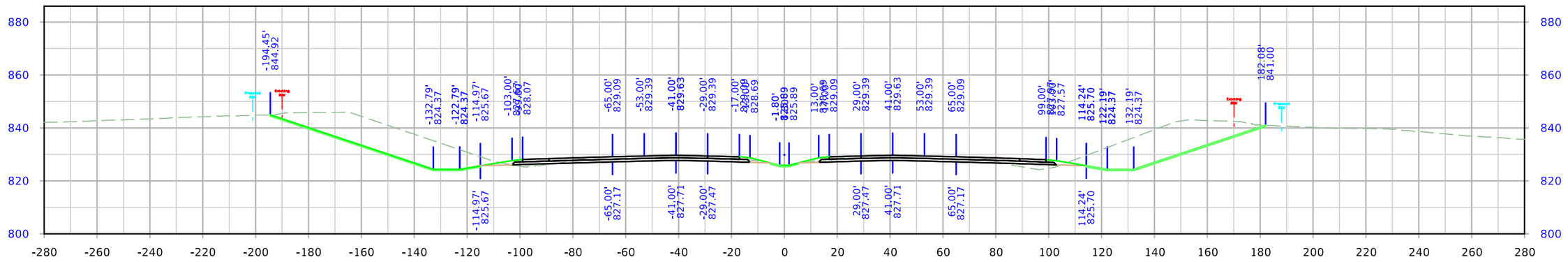
I-380



STA. 88+00.00



STA. 87+50.00

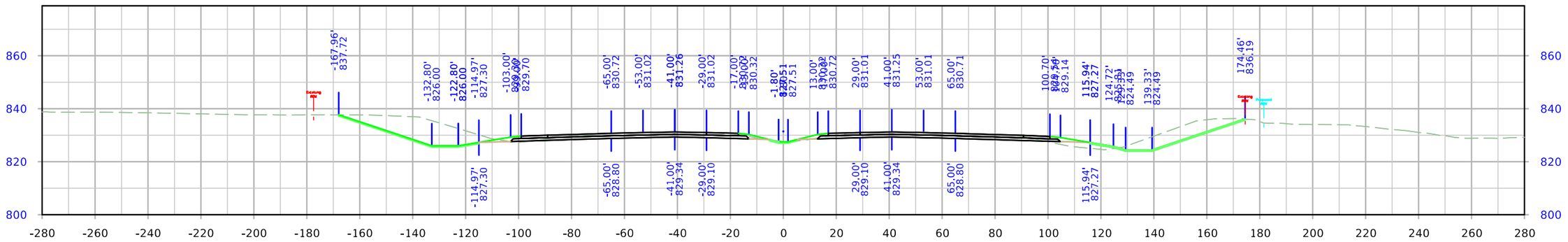


STA. 87+00.00

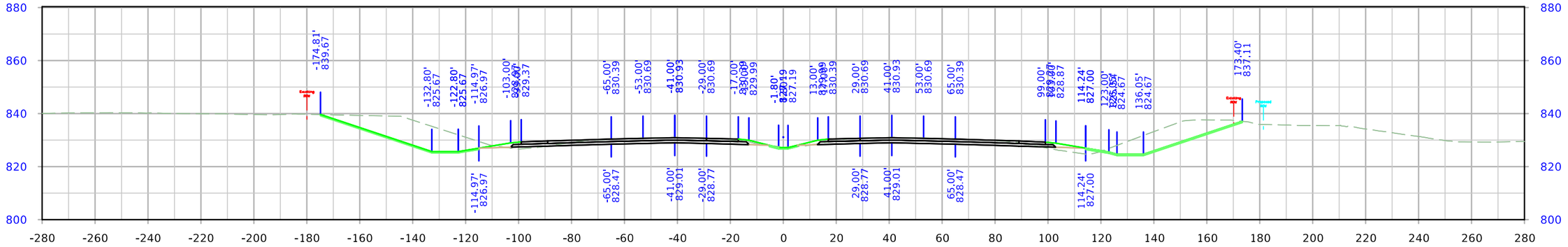
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.089

8:18:56 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

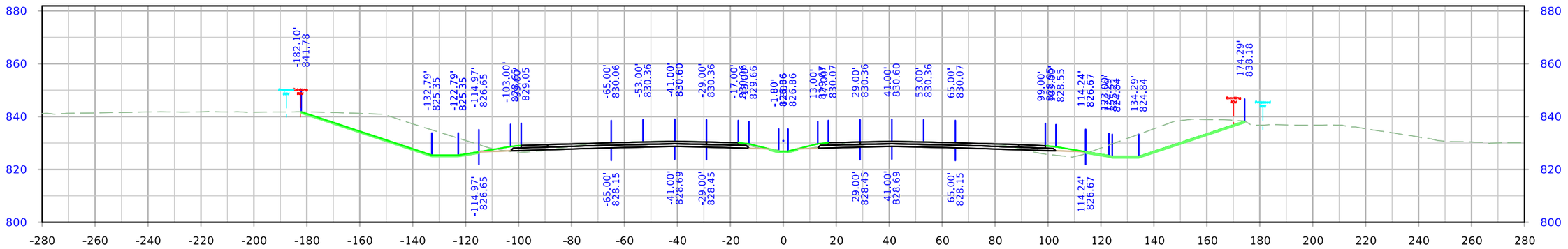
I-380



STA. 89+50.00



STA. 89+00.00

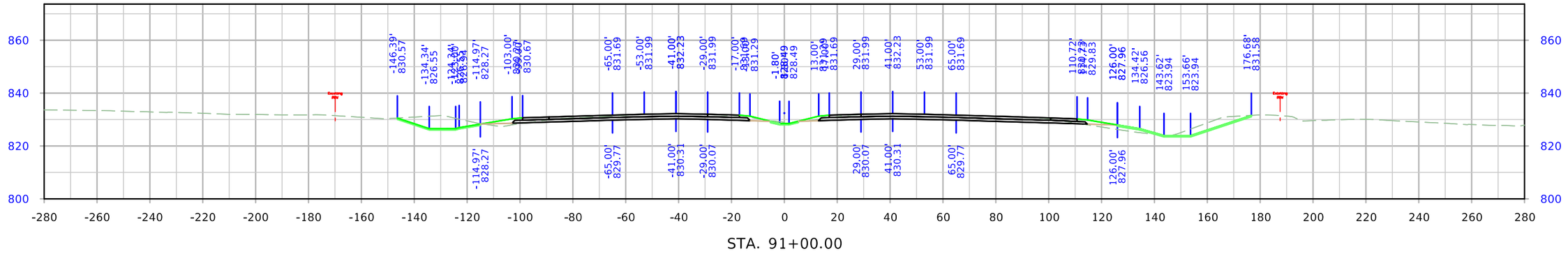


STA. 88+50.00

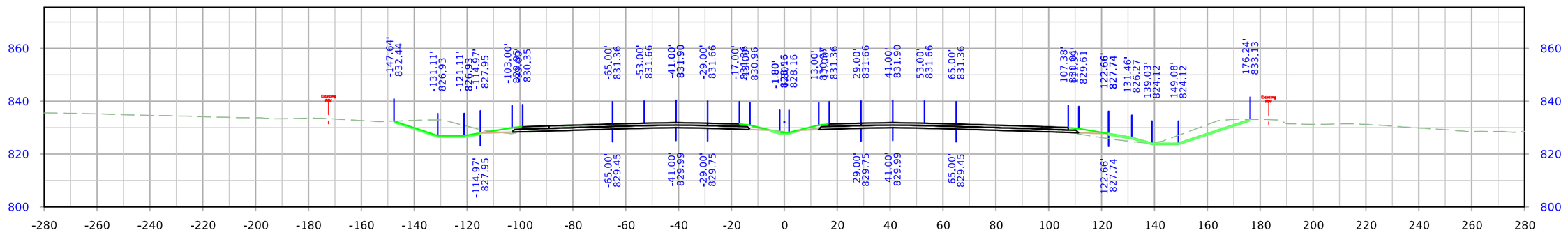
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.090	

8:19:04 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

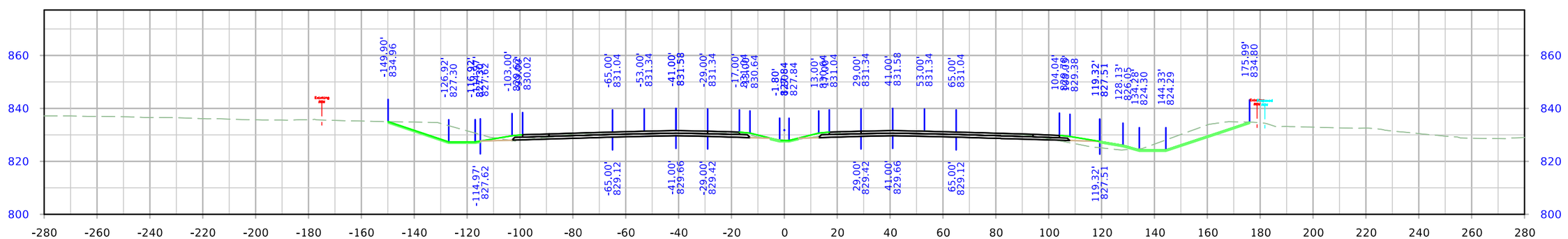
I-380



STA. 91+00.00



STA. 90+50.00

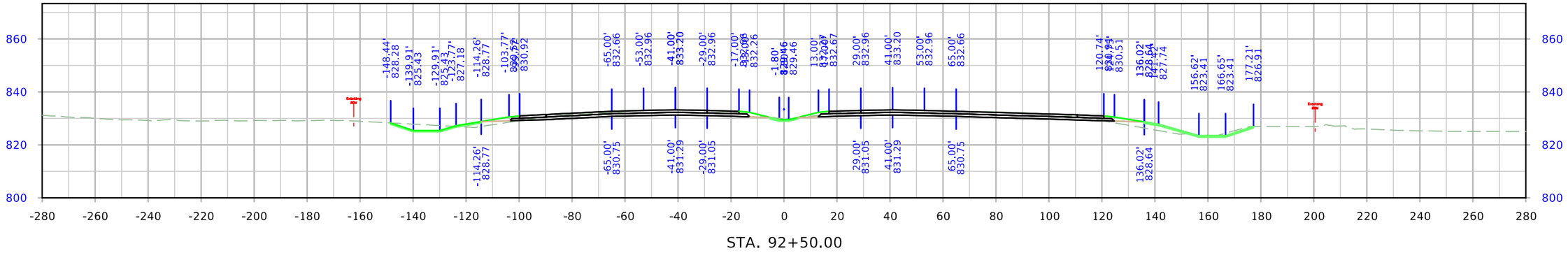


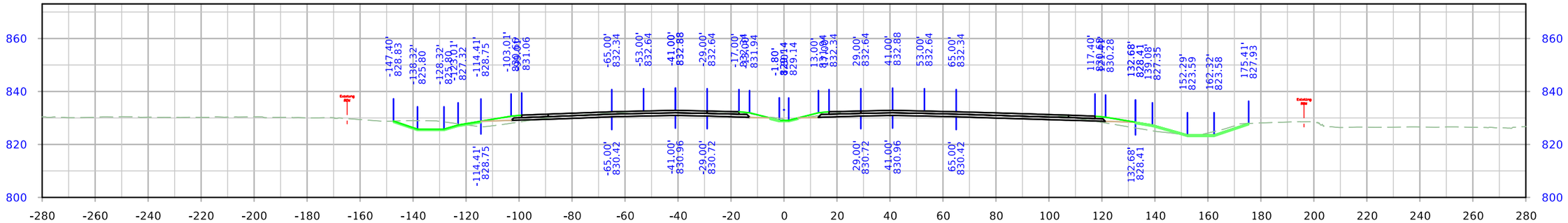
STA. 90+00.00

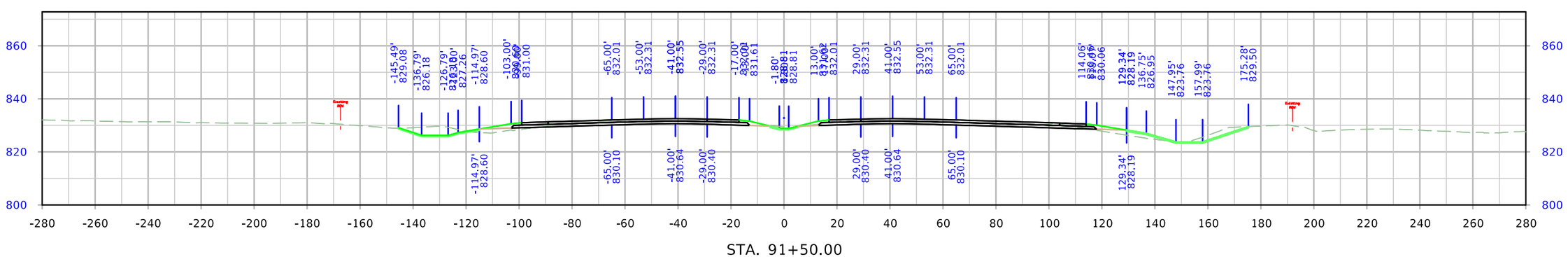
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.091

8:19:13 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

I-380



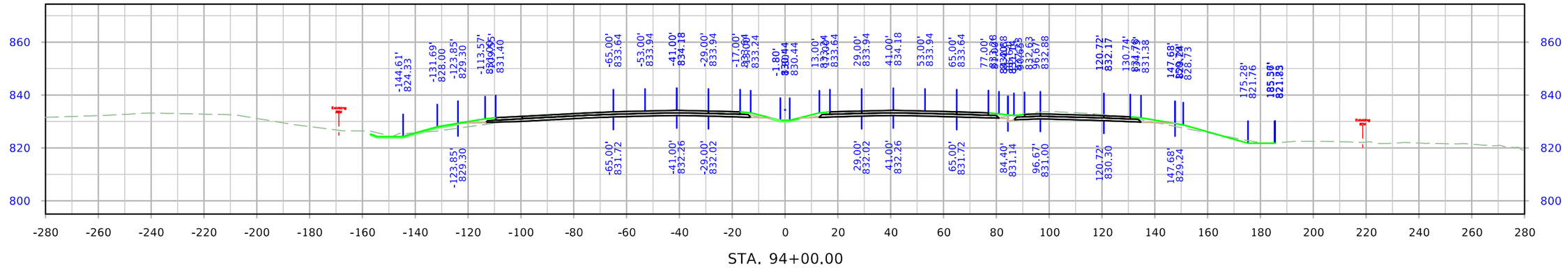




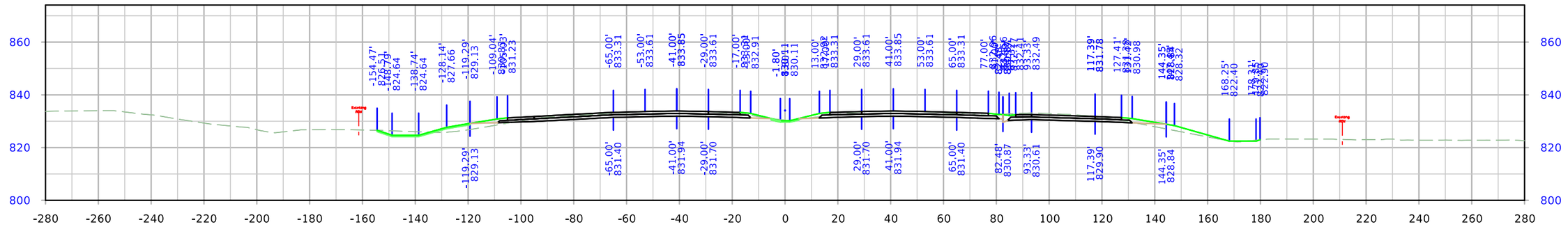
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.092

8:19:21 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

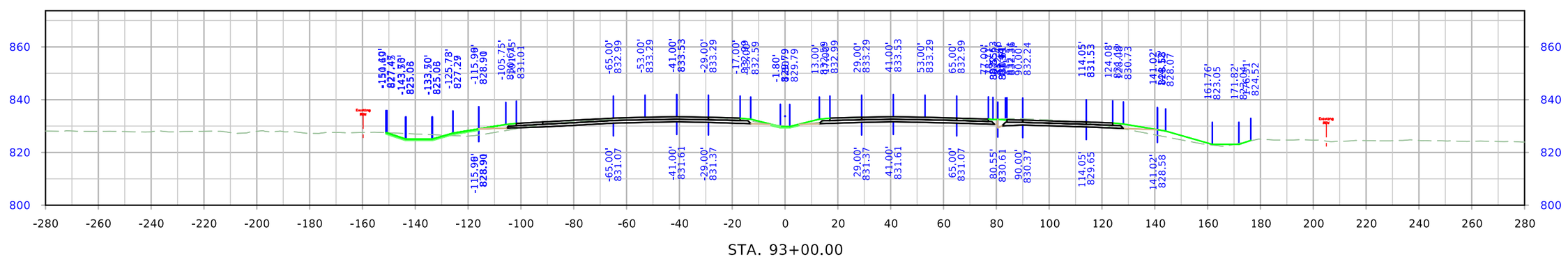
I-380



STA. 94+00.00



STA. 93+50.00

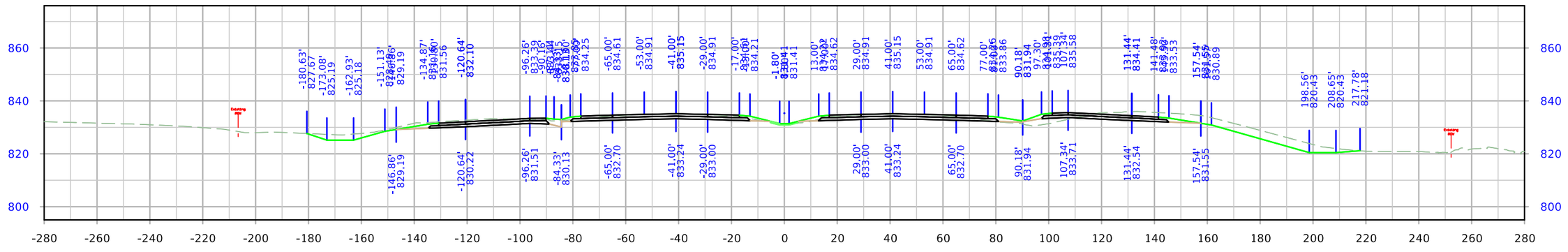


STA. 93+00.00

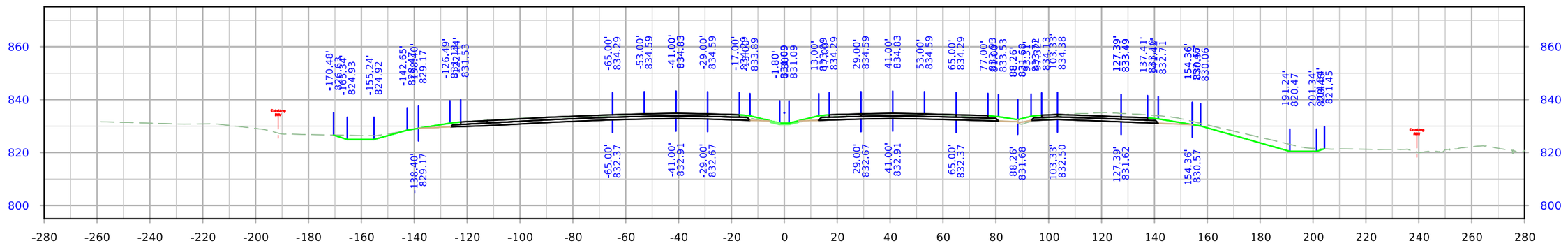
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.093

8:19:30 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

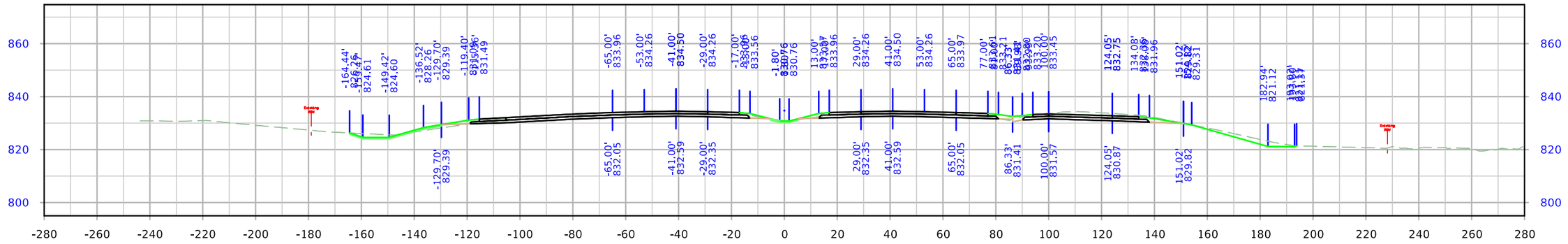
I-380



STA. 95+50.00



STA. 95+00.00

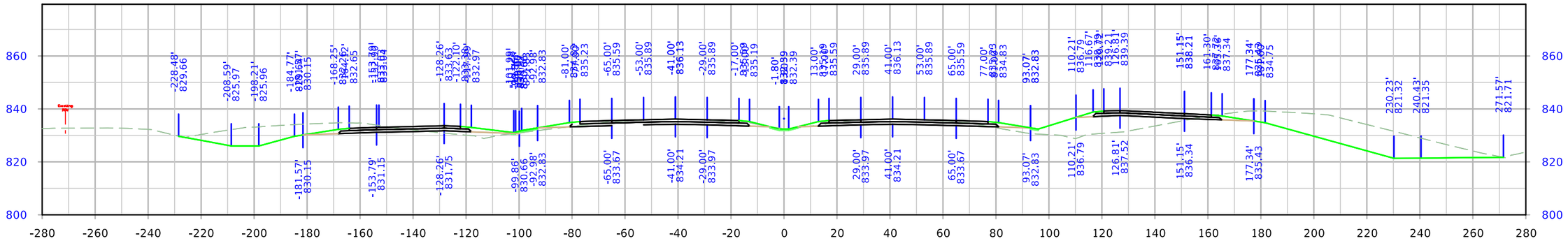


STA. 94+50.00

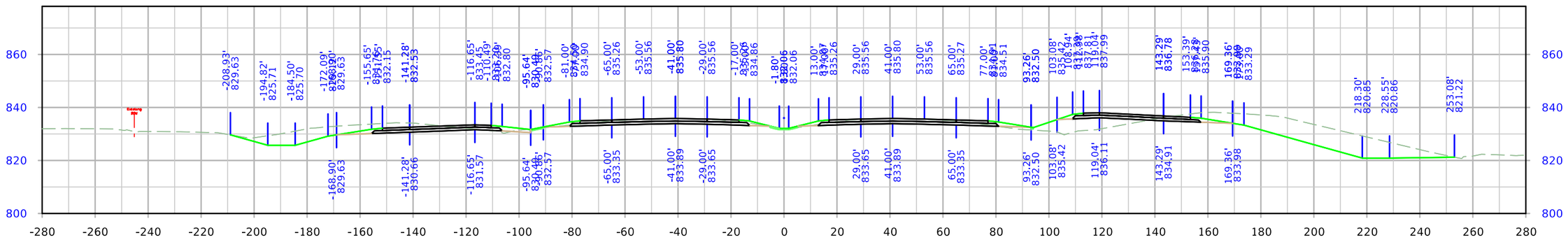
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.094	

8:19:39 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

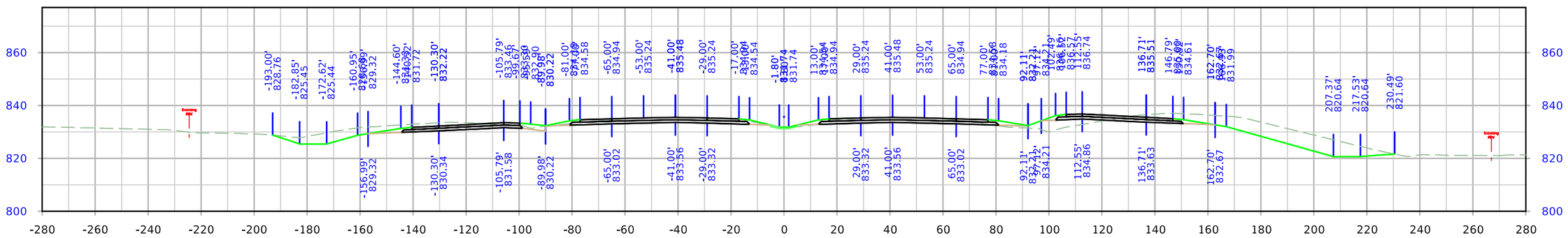
I-380



STA. 97+00.00



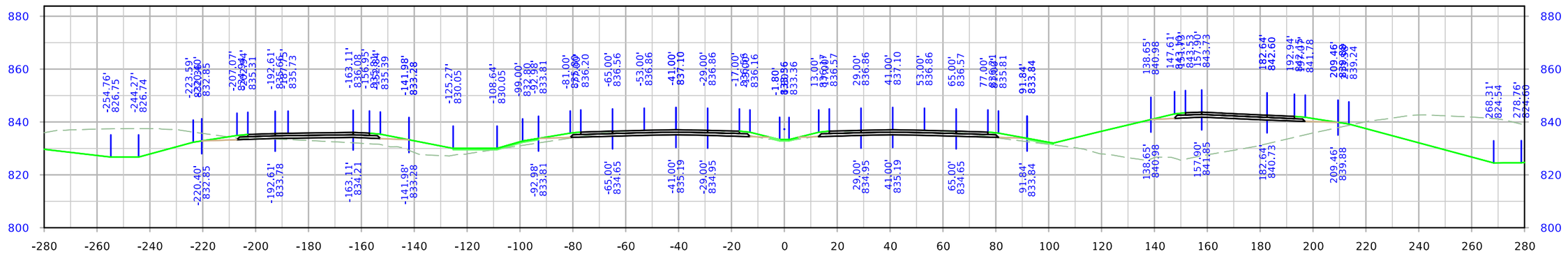
STA. 96+50.00

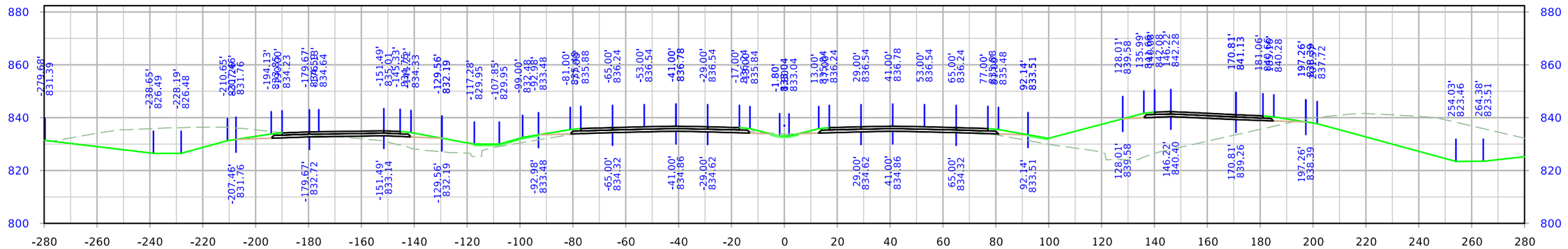


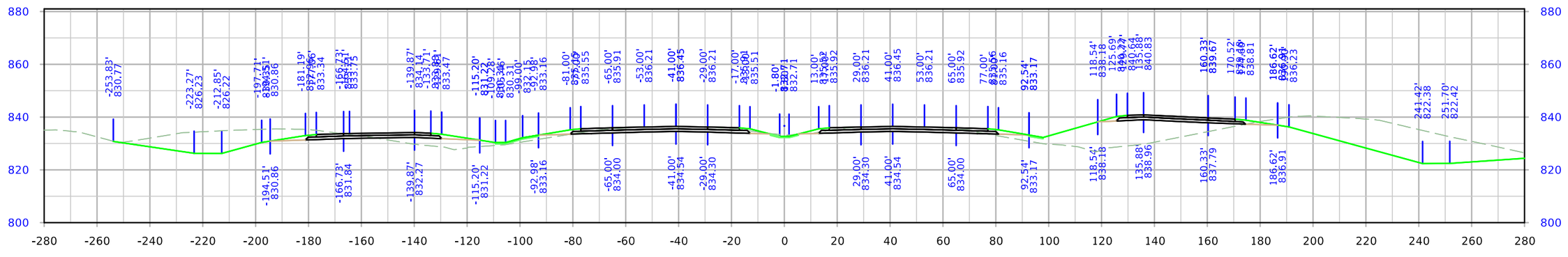
STA. 96+00.00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.095	

I-380



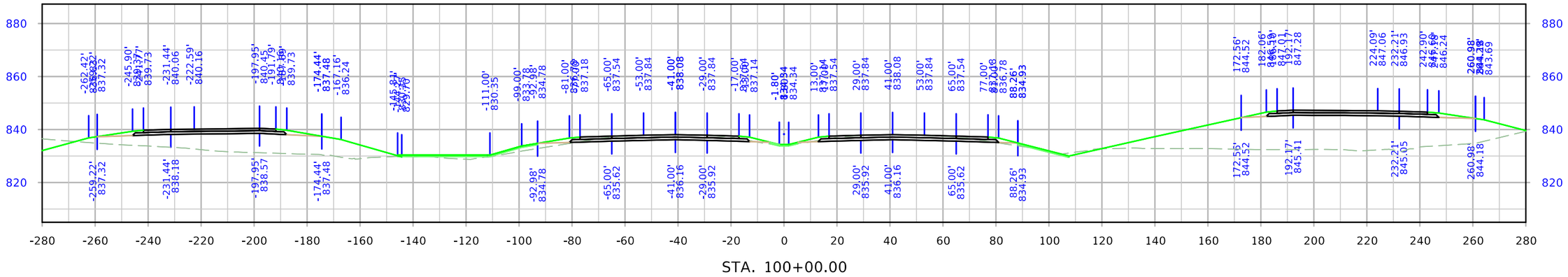




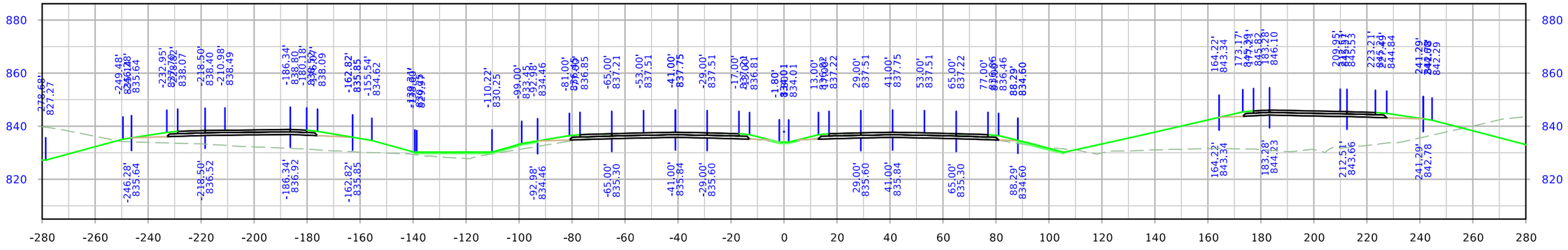
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.096

8:19:59 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

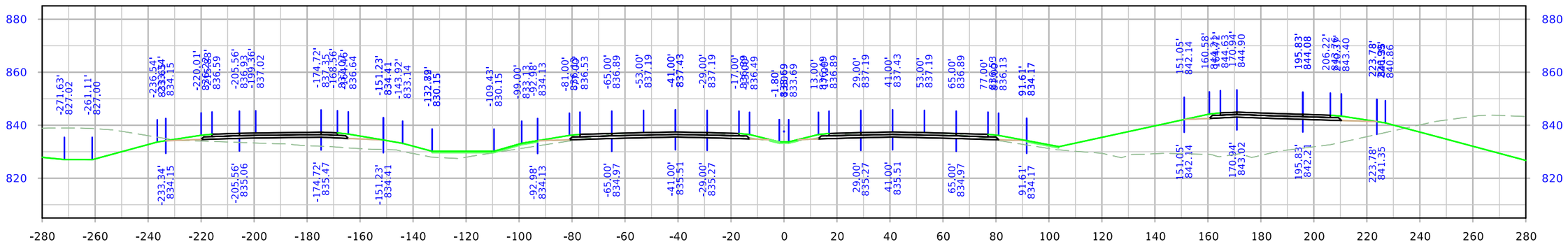
I-380



STA. 100+00.00



STA. 99+50.00

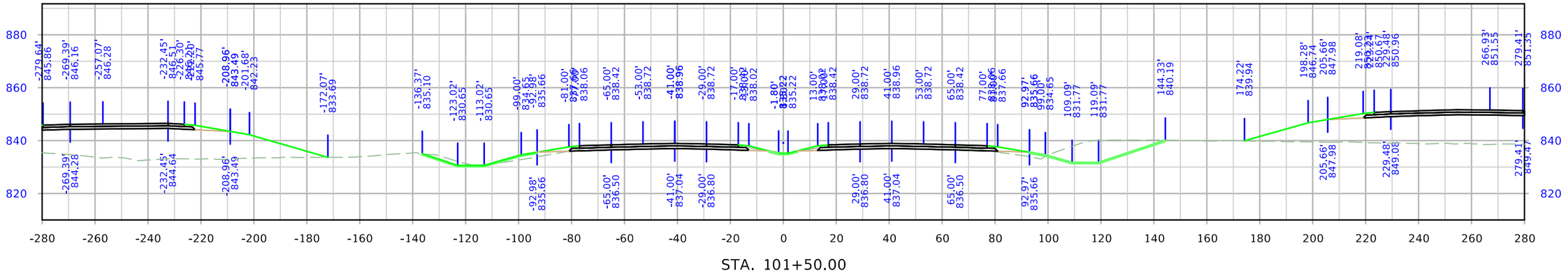


STA. 99+00.00

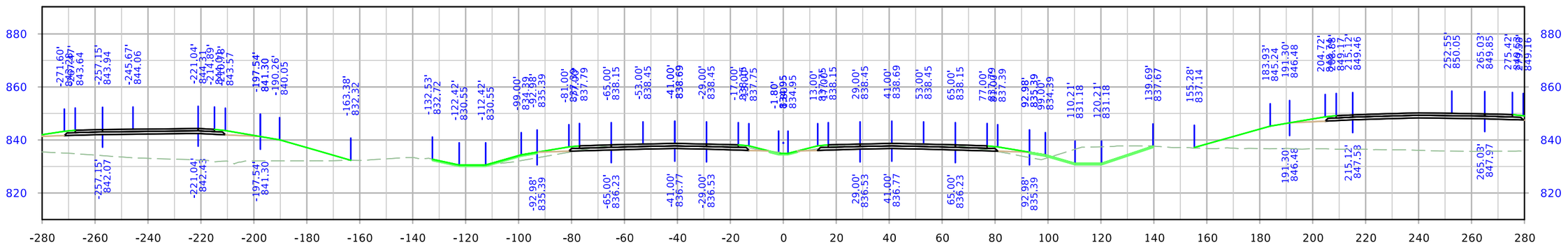
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.097

8:20:09 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

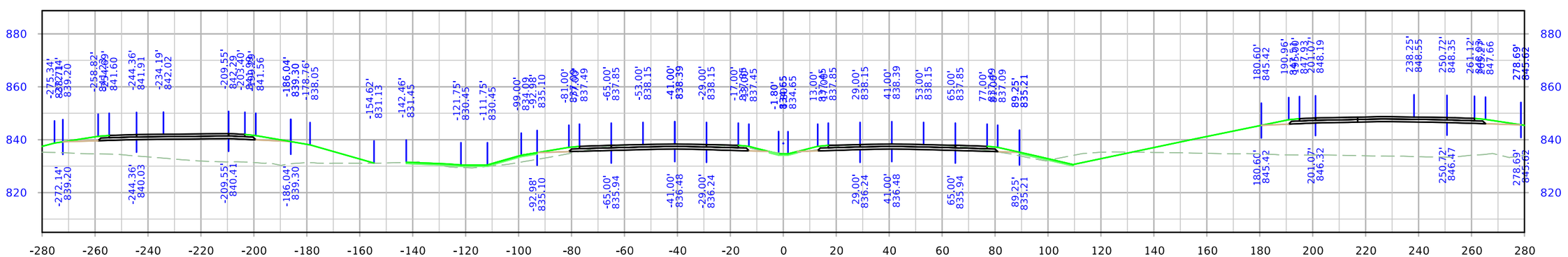
I-380



STA. 101+50.00



STA. 101+00.00

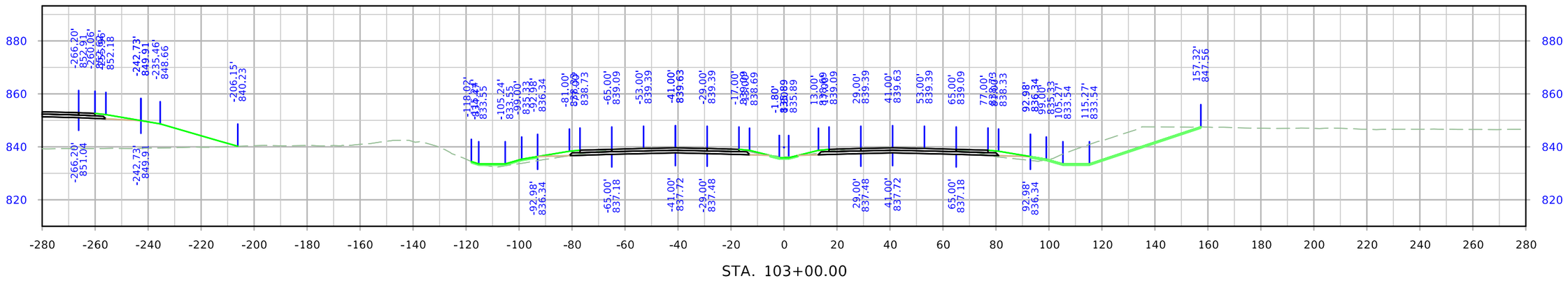


STA. 100+50.00

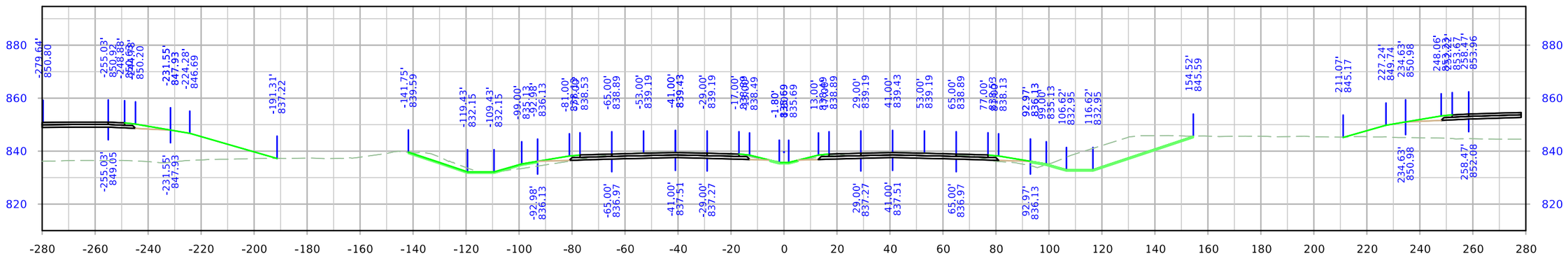
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.098

8:20:19 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

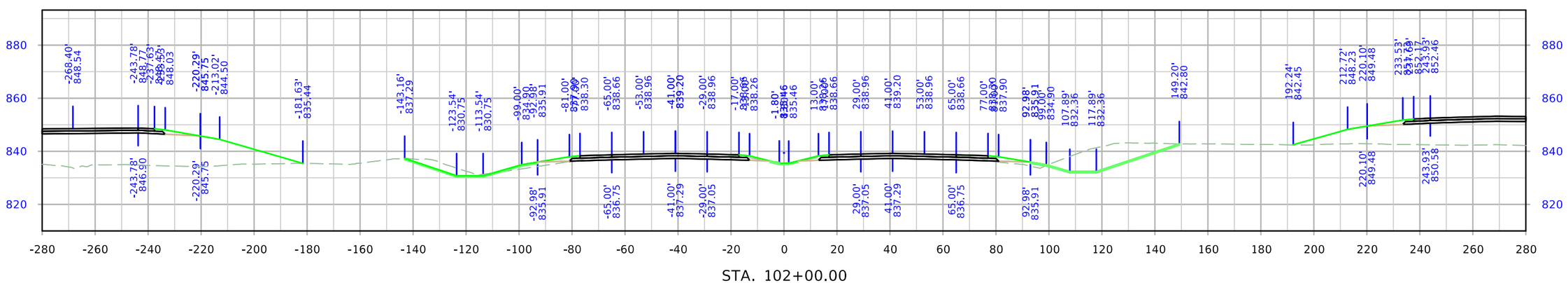
I-380



STA. 103+00.00



STA. 102+50.00

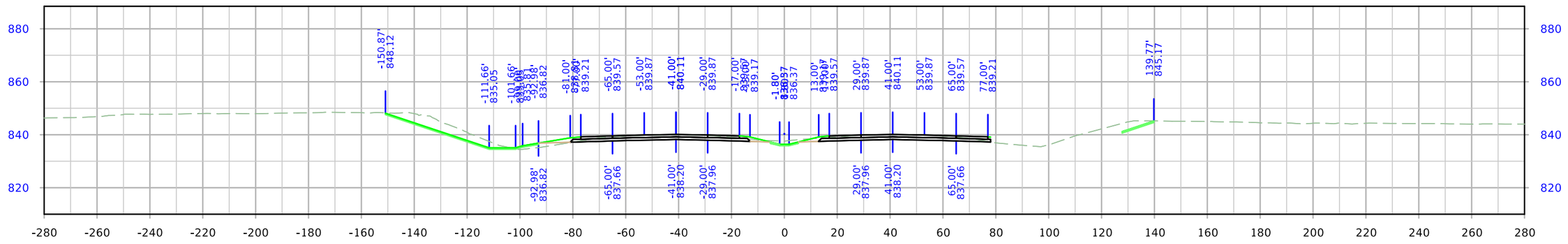


STA. 102+00.00

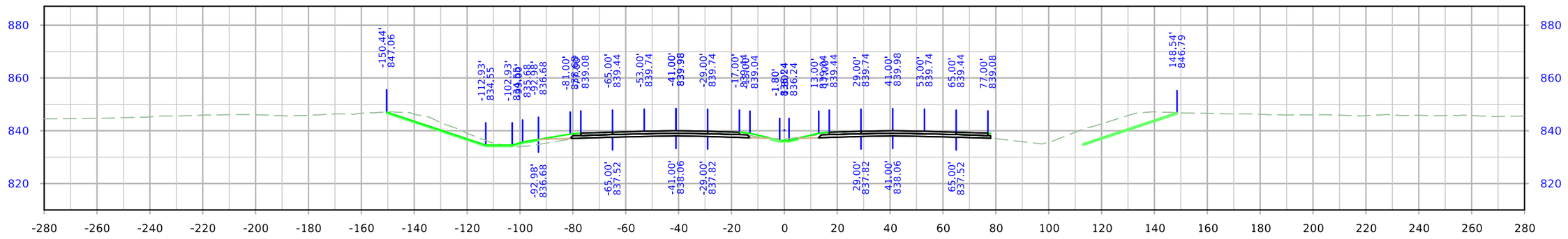
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.099

8:20:28 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

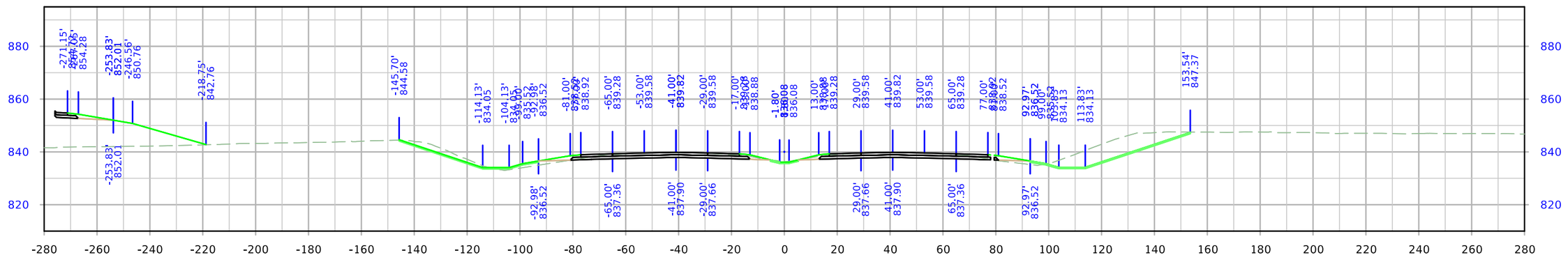
I-380



STA. 104+50.00



STA. 104+00.00

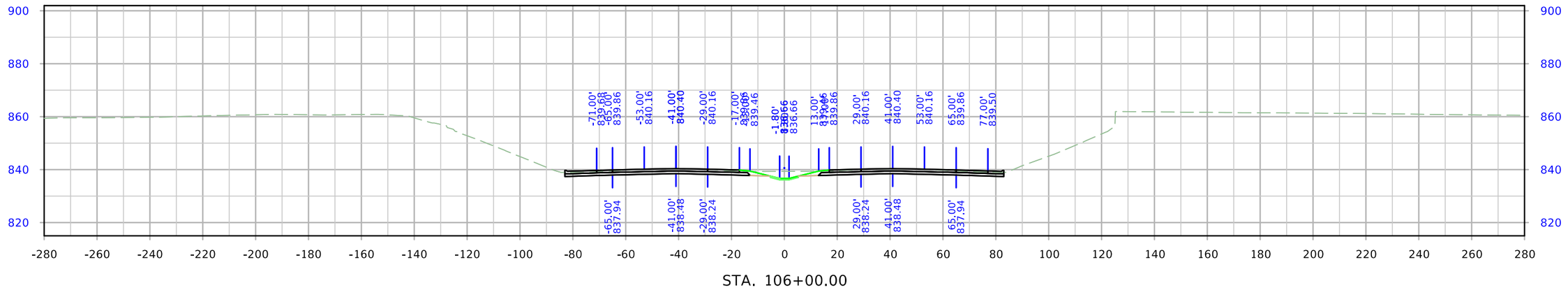


STA. 103+50.00

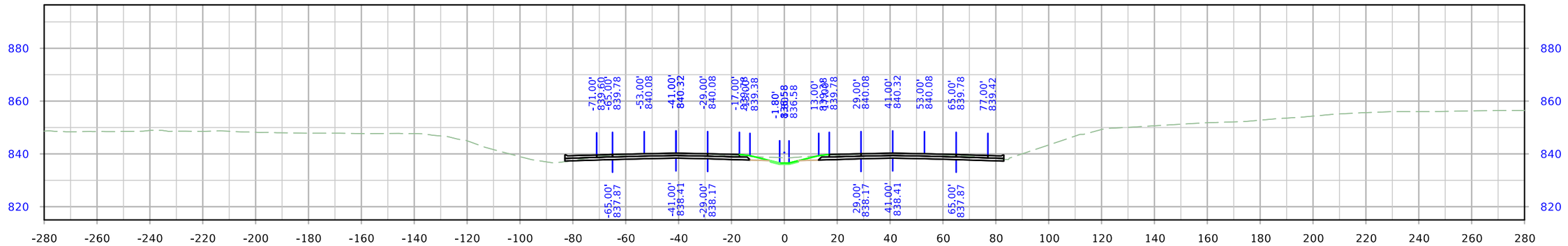
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.100

8:20:36 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

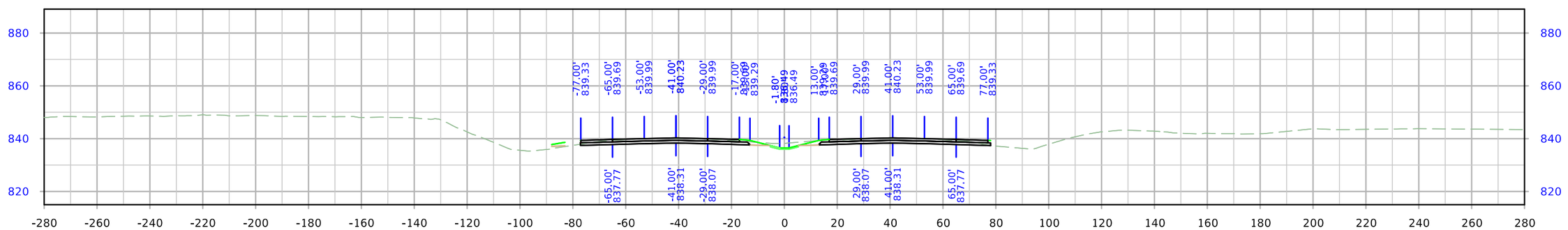
I-380



STA. 106+00.00



STA. 105+50.00

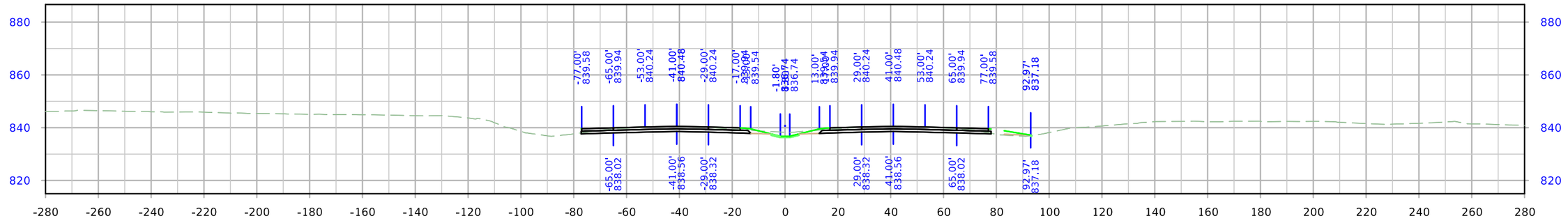


STA. 105+00.00

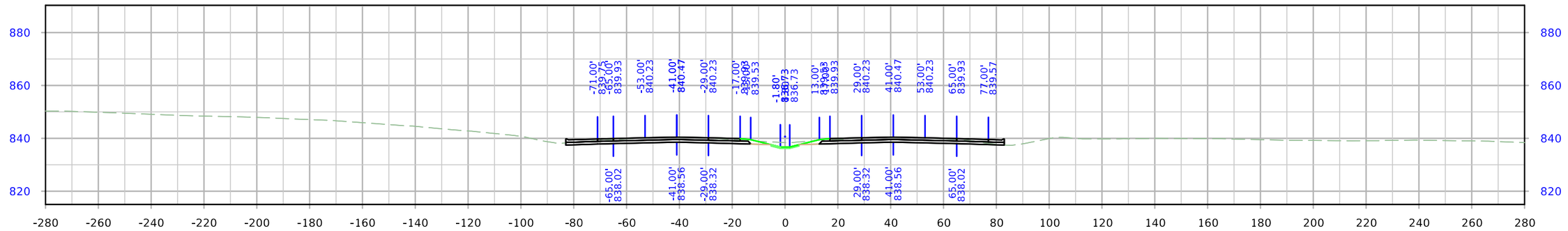
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.101

8:20:42 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

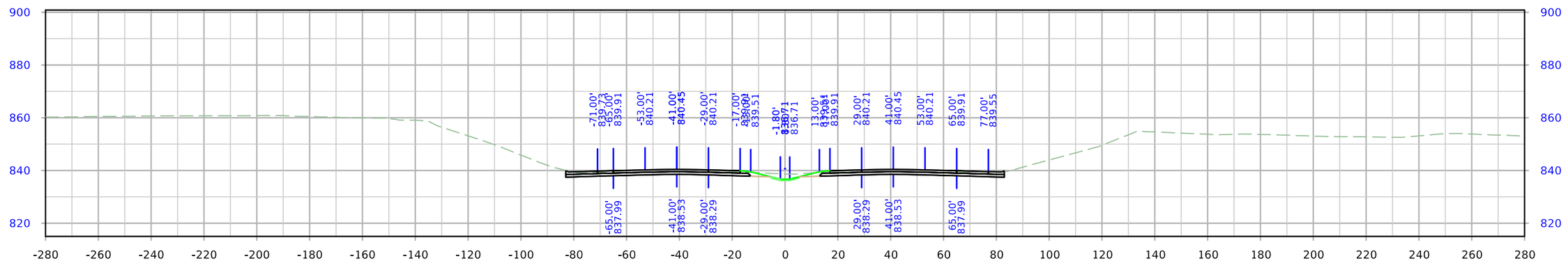
I-380



STA. 107+50.00



STA. 107+00.00

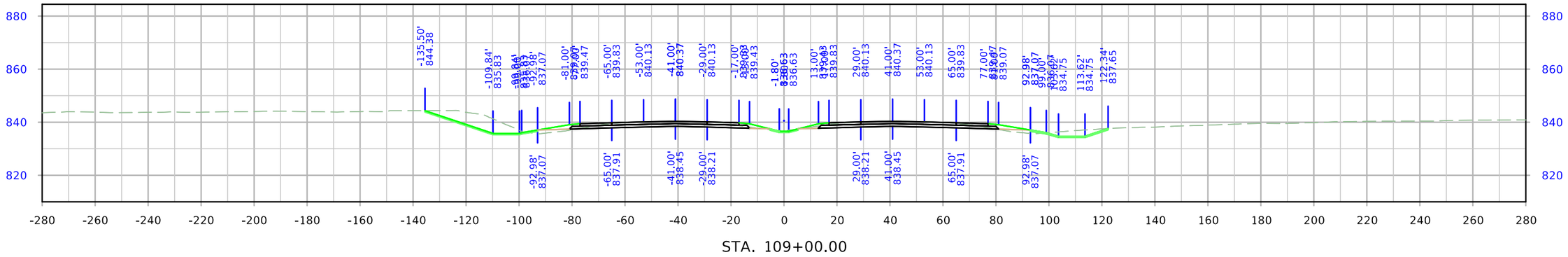


STA. 106+50.00

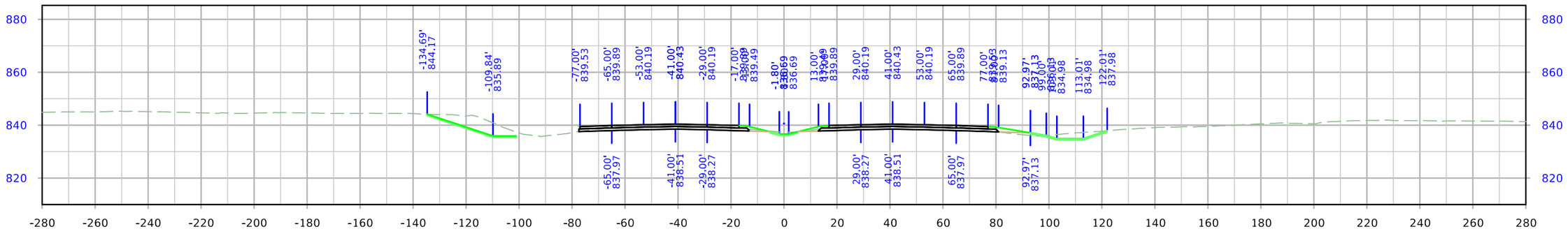
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.102

8:20:49 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

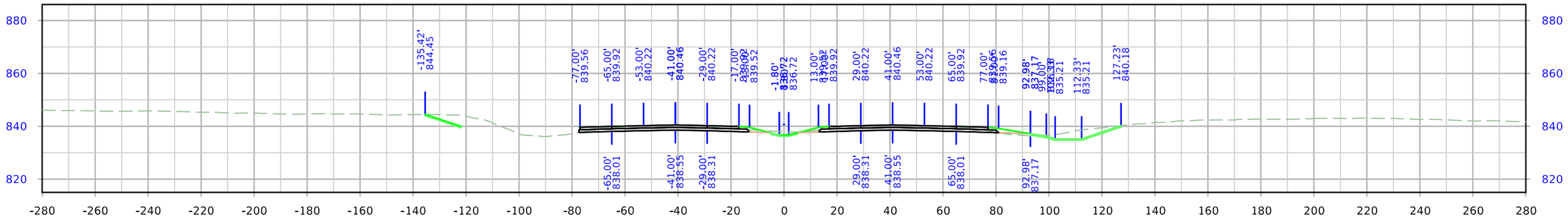
I-380



STA. 109+00.00



STA. 108+50.00

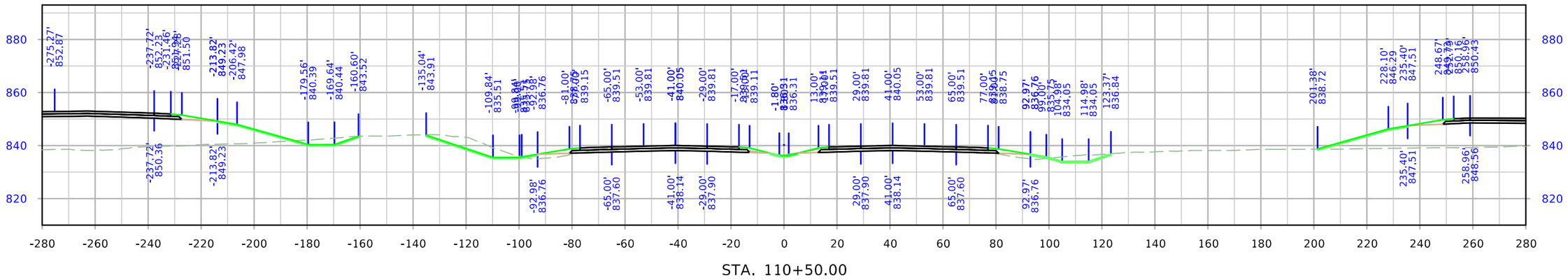


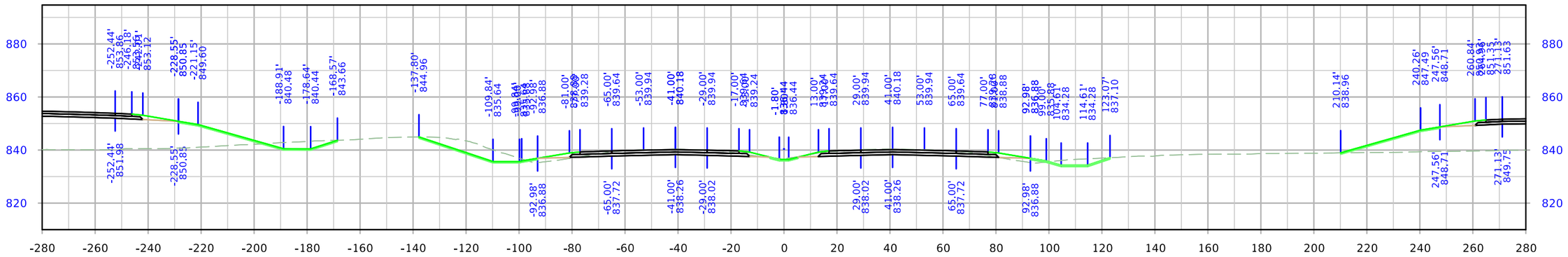
STA. 108+00.00

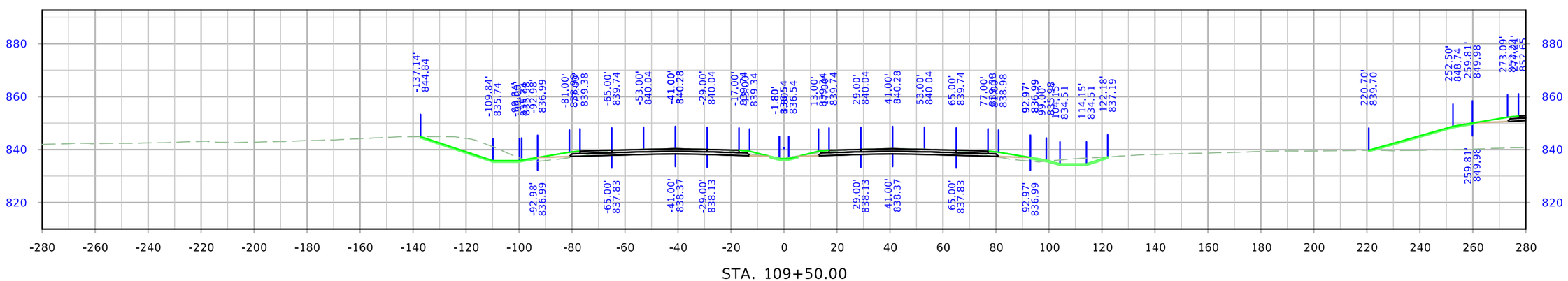
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.103

8:20:57 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

I-380



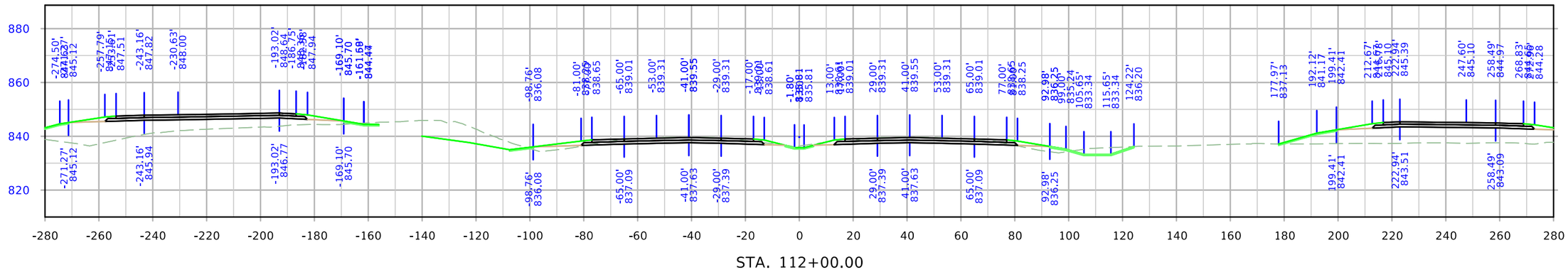




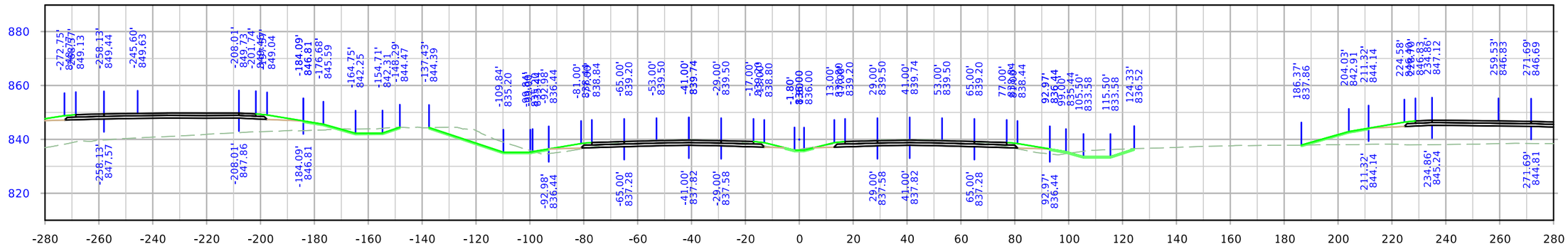
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.104

8:21:04 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

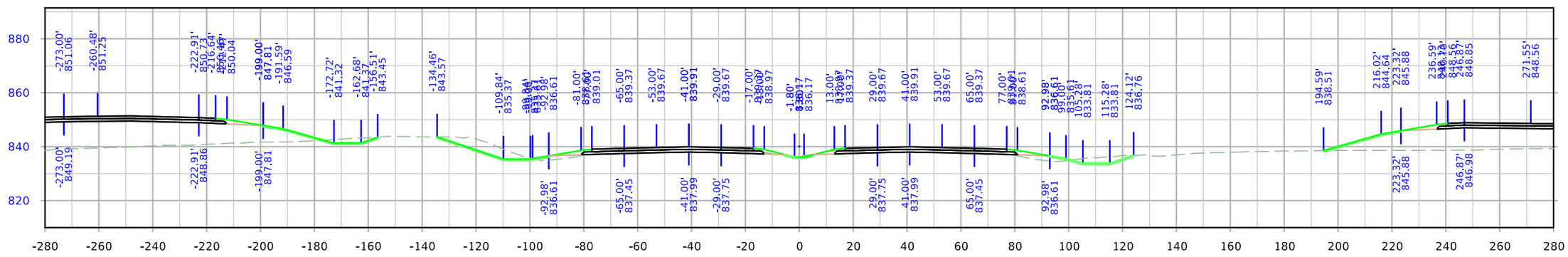
I-380



STA. 112+00.00



STA. 111+50.00

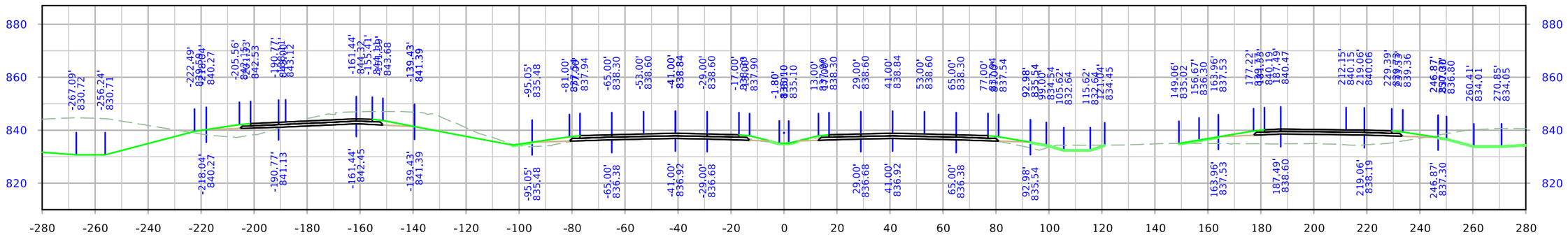


STA. 111+00.00

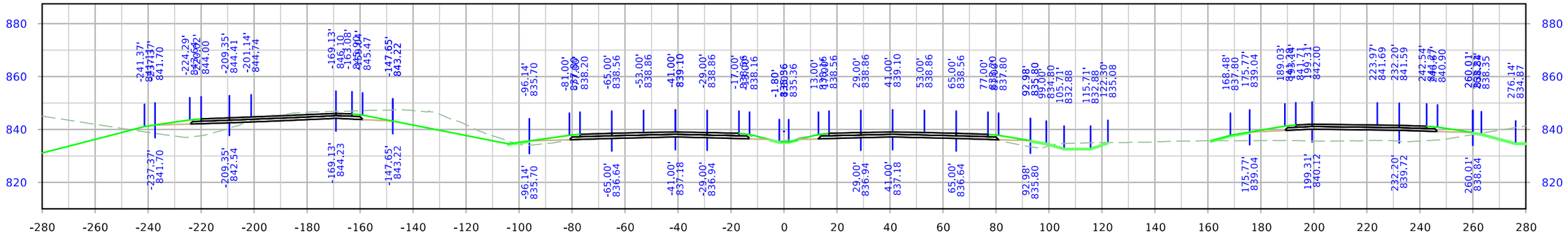
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.105

8:21:15 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

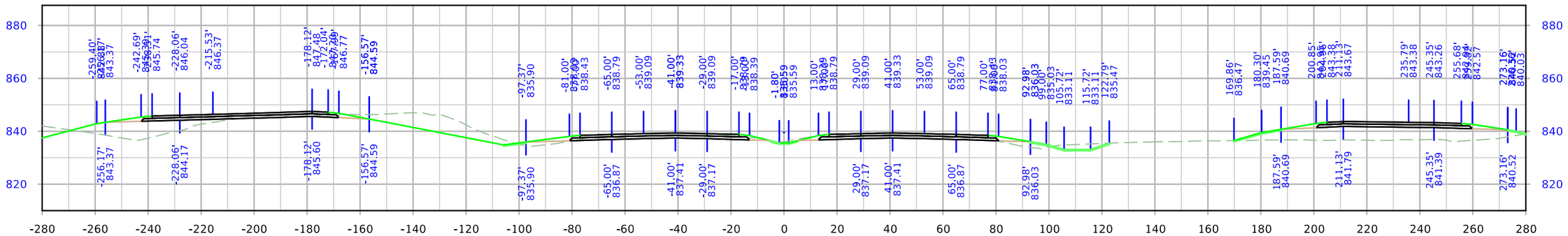
I-380



STA. 113+50.00



STA. 113+00.00

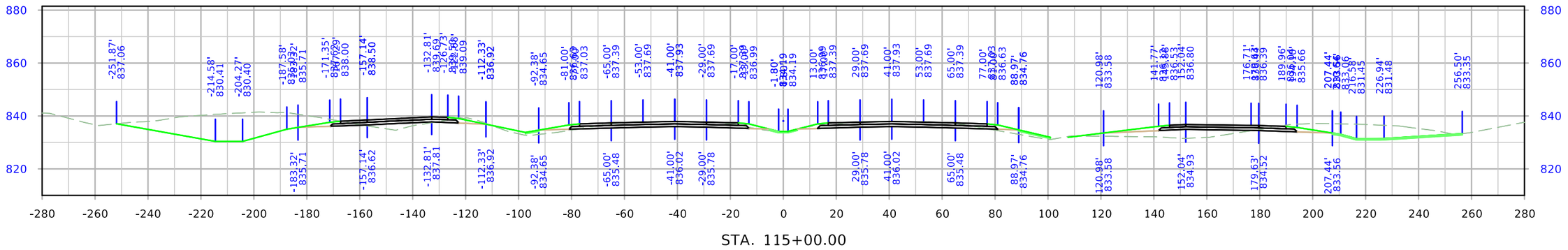


STA. 112+50.00

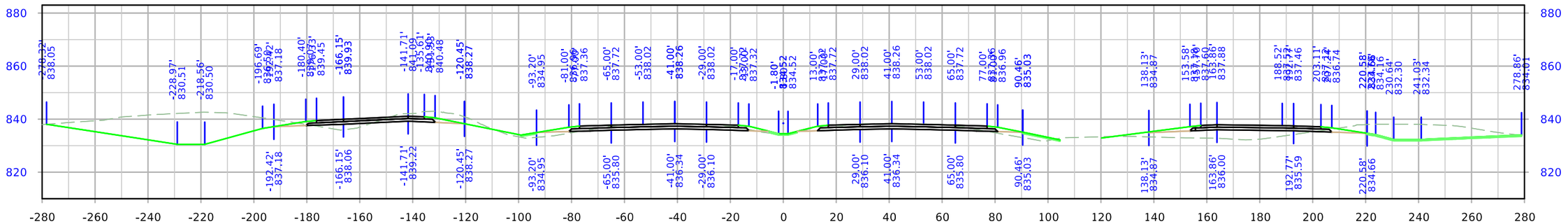
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.106

8:21:25 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

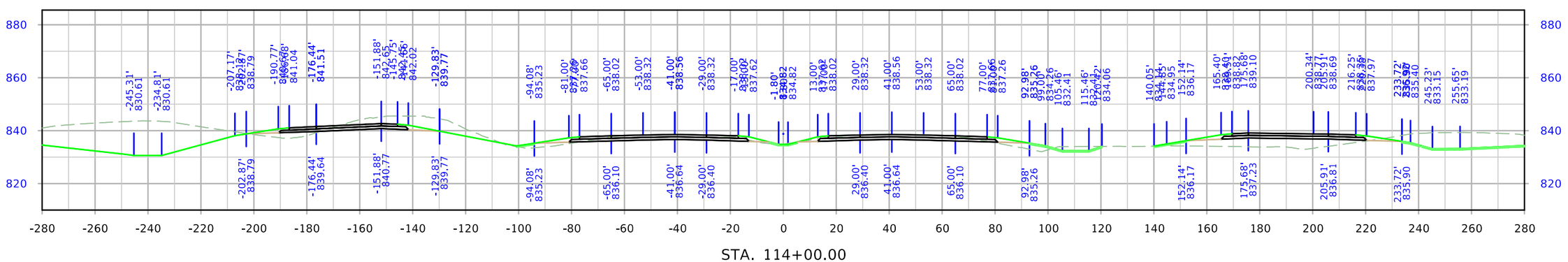
I-380



STA. 115+00.00



STA. 114+50.00

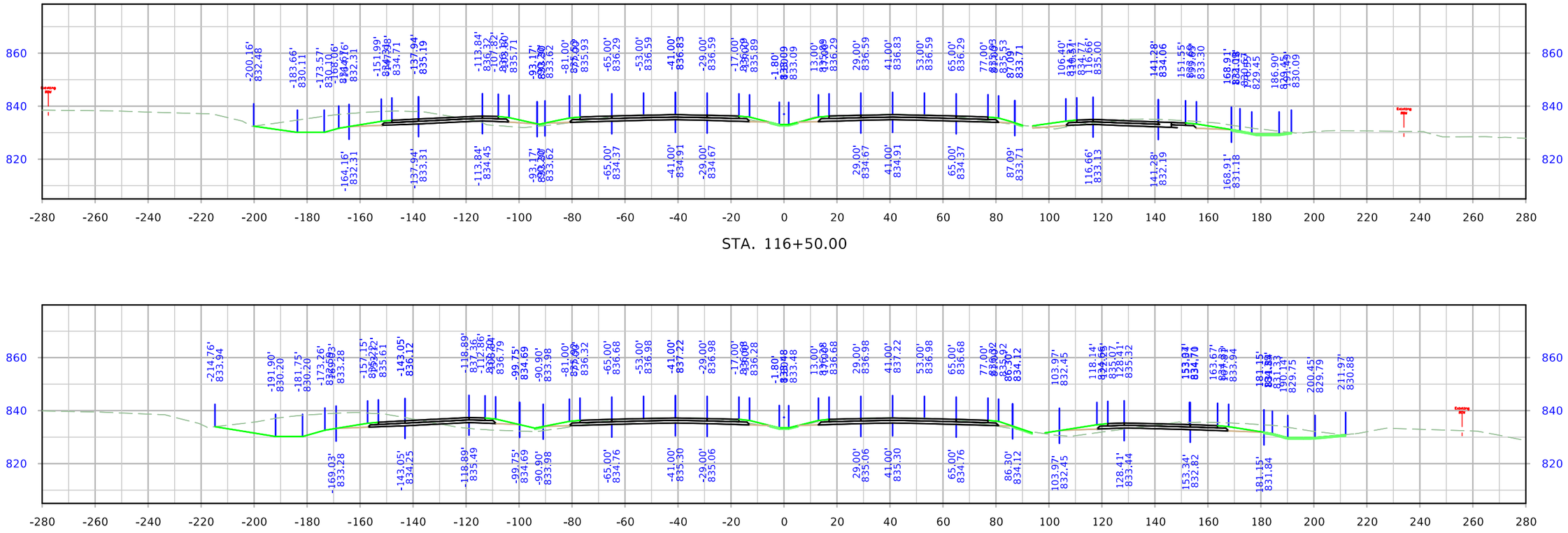


STA. 114+00.00

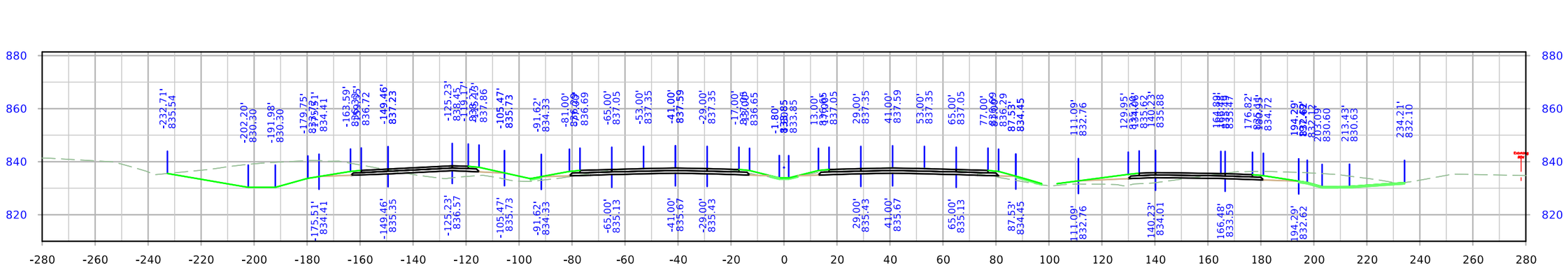
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.107

8:21:35 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

I-380



STA. 116+50.00

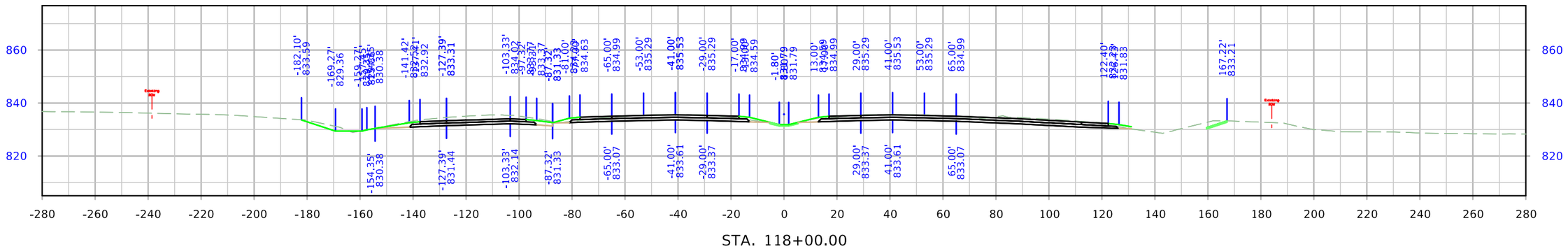


STA. 115+50.00

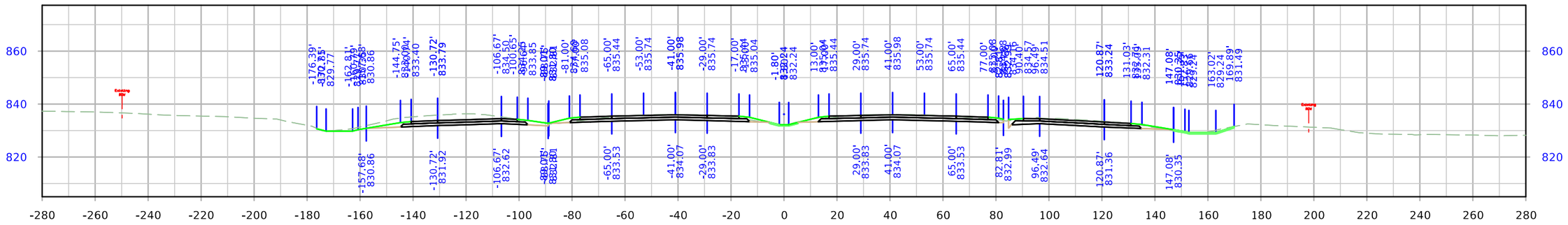
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.108

8:21:44 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

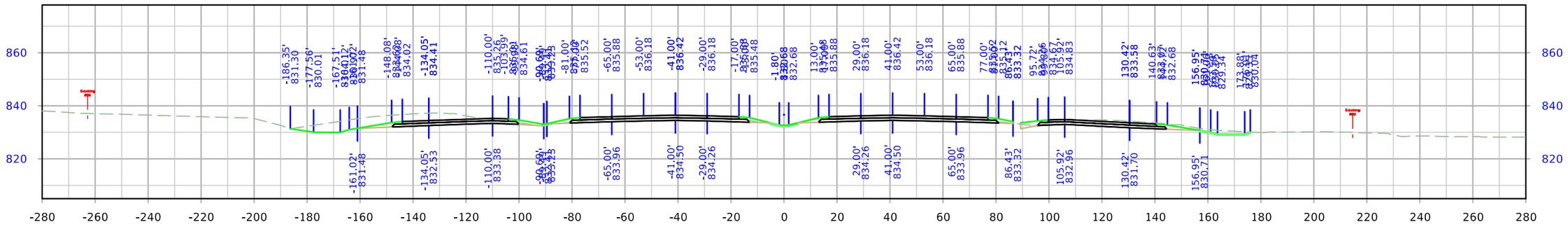
I-380



STA. 118+00.00



STA. 117+50.00

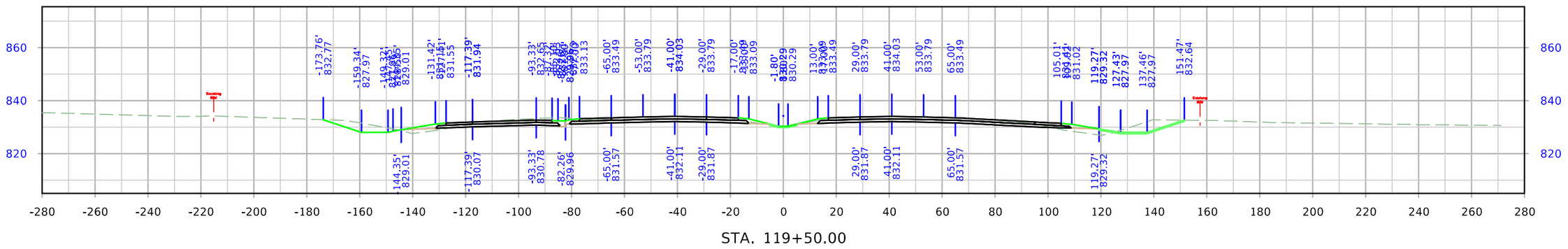


STA. 117+00.00

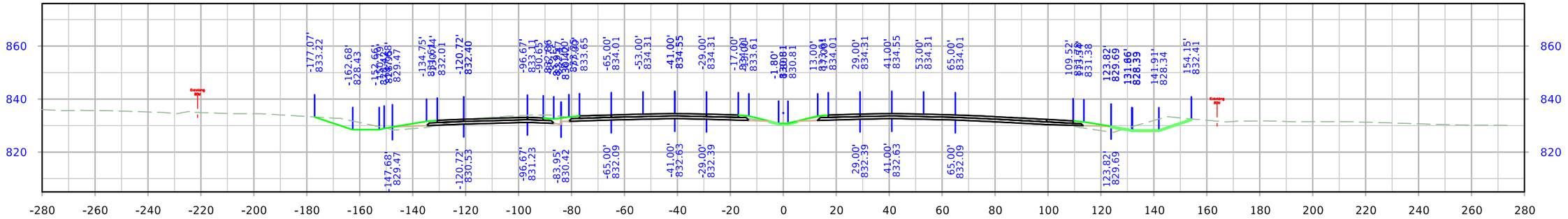
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.109

8:21:54 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

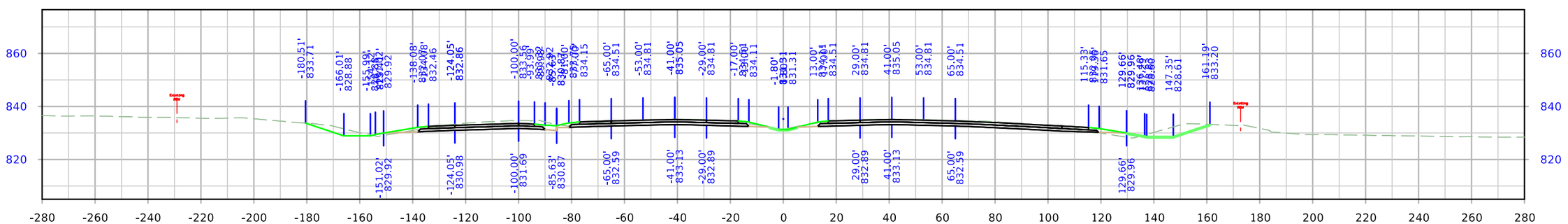
I-380



STA. 119+50.00



STA. 119+00.00

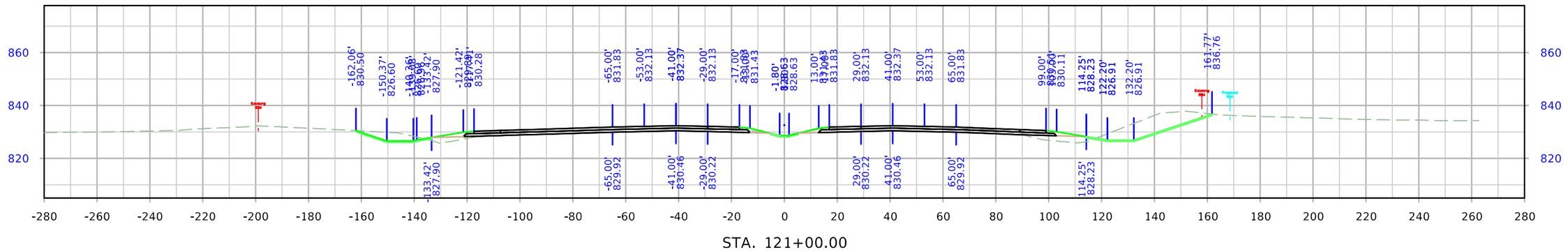


STA. 118+50.00

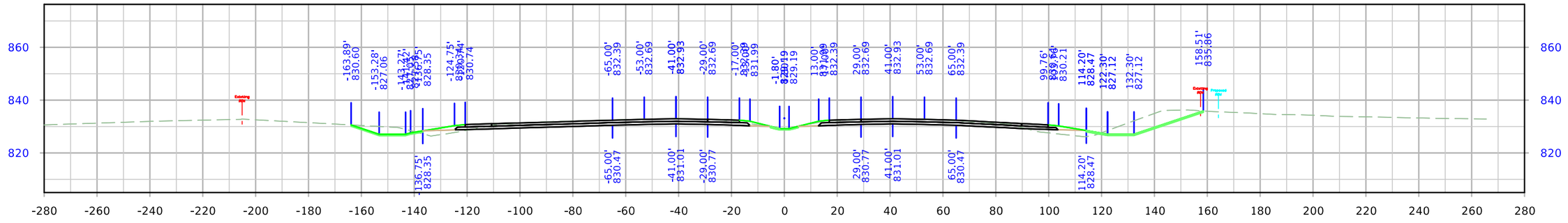
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.110

8:22:02 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

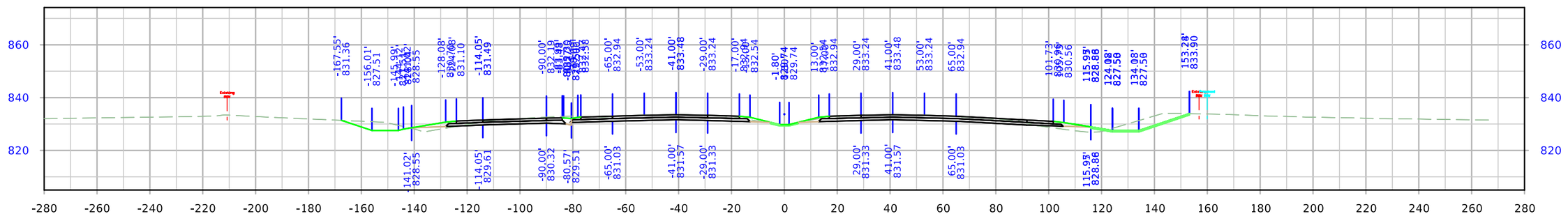
I-380



STA. 121+00.00



STA. 120+50.00

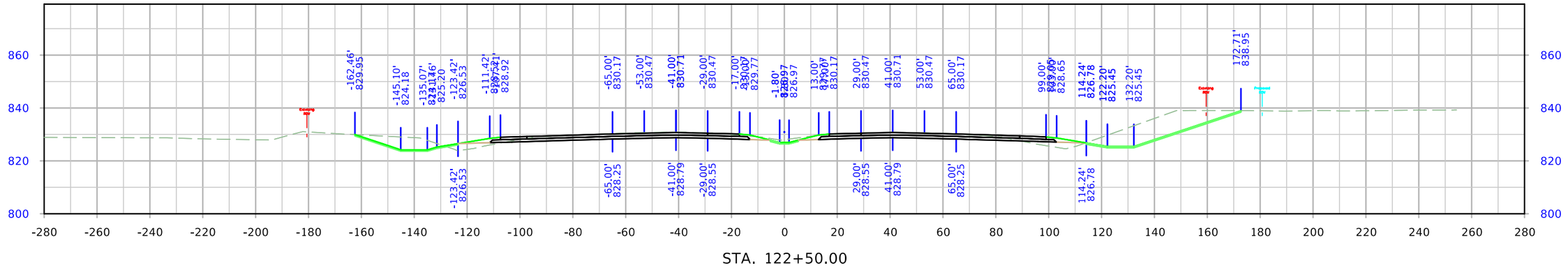


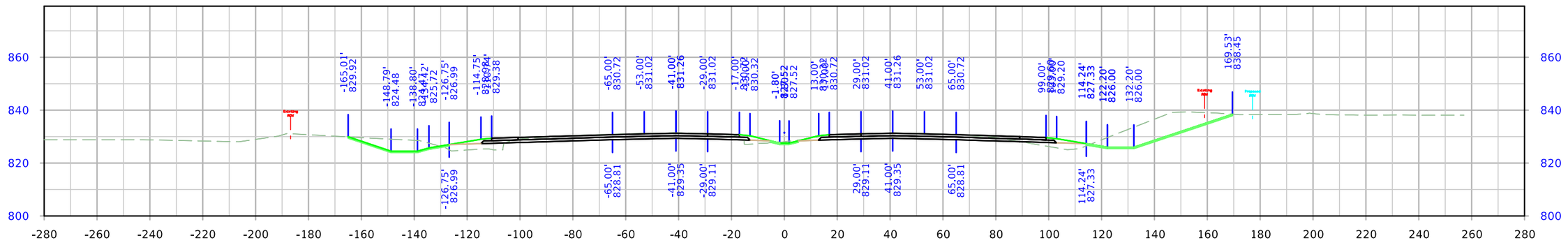
STA. 120+00.00

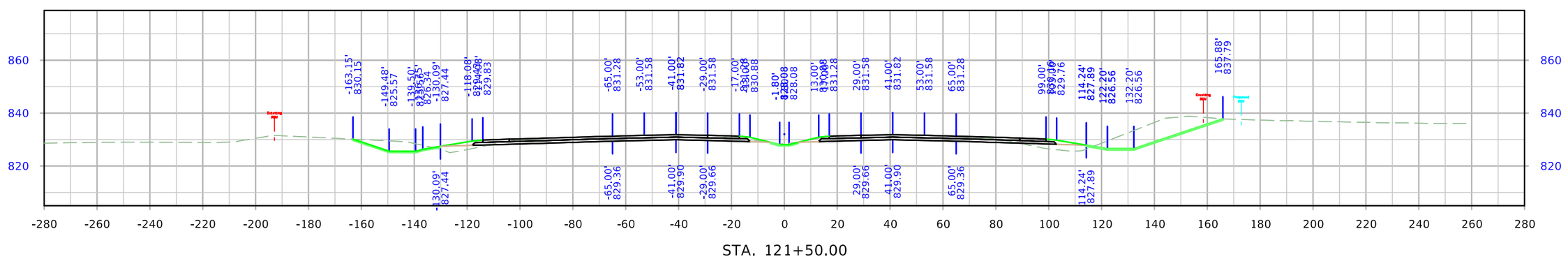
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.111

8:22:11 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

I-380



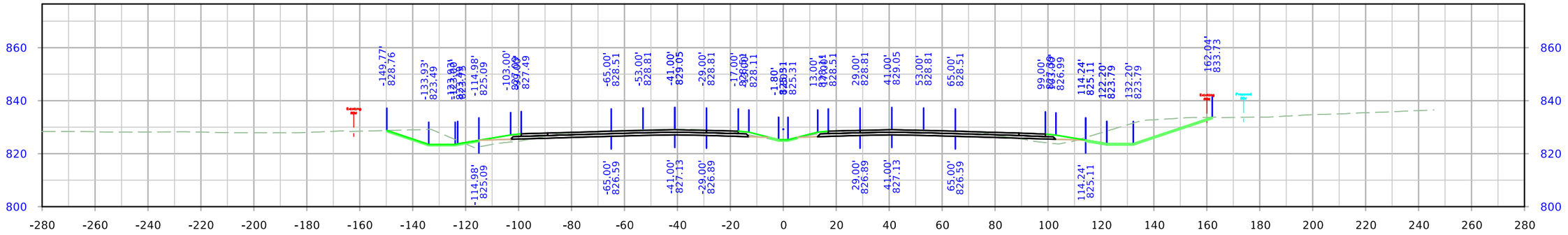




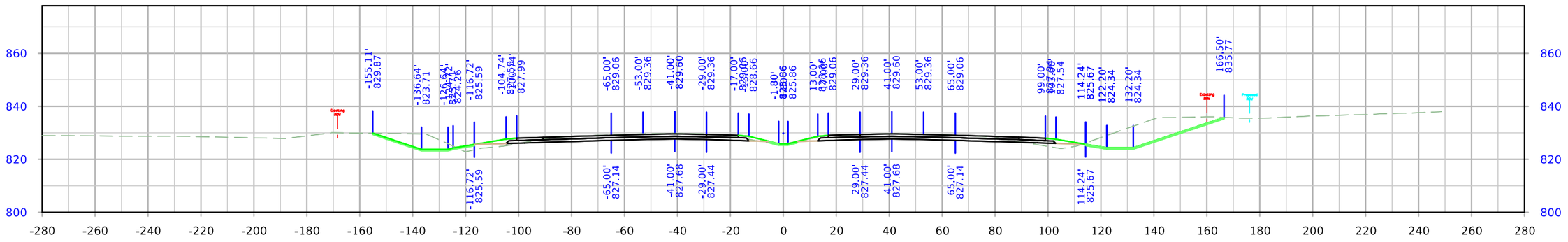
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.112

8:22:19 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

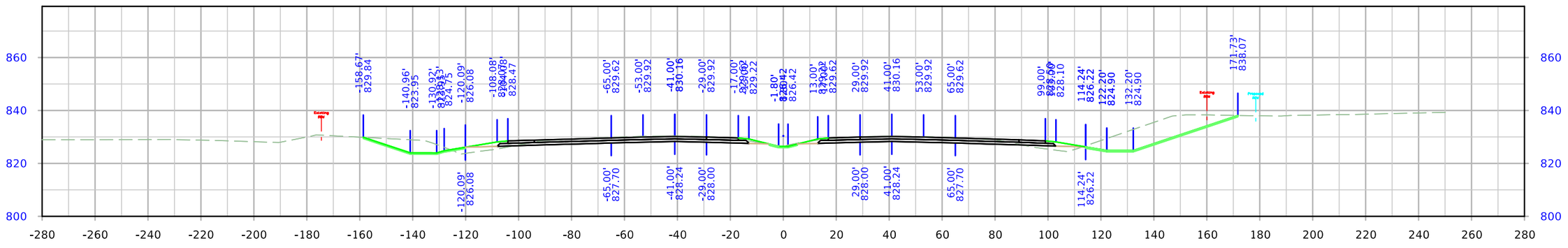
I-380



STA. 124+00.00



STA. 123+50.00

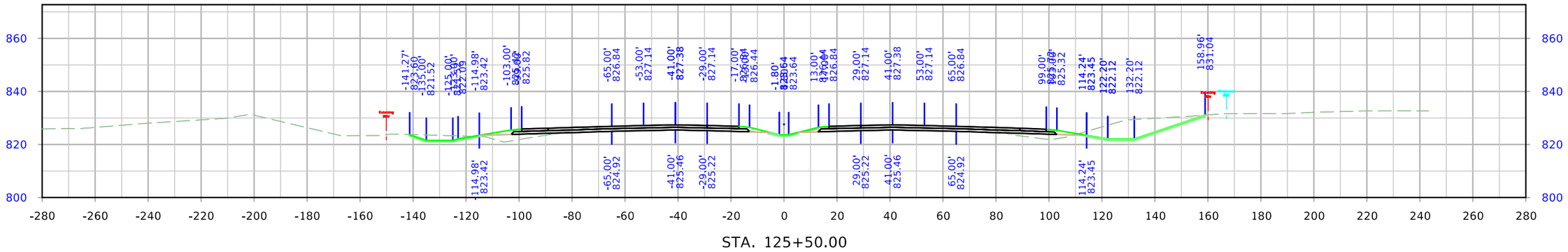


STA. 123+00.00

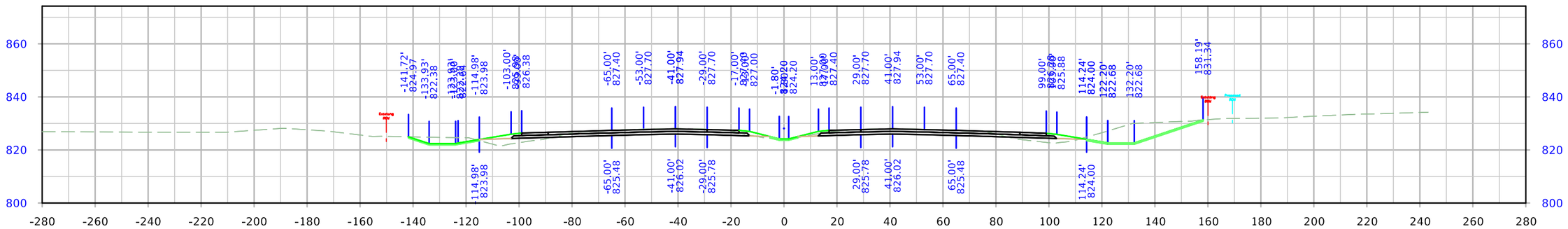
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.113

8:22:27 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

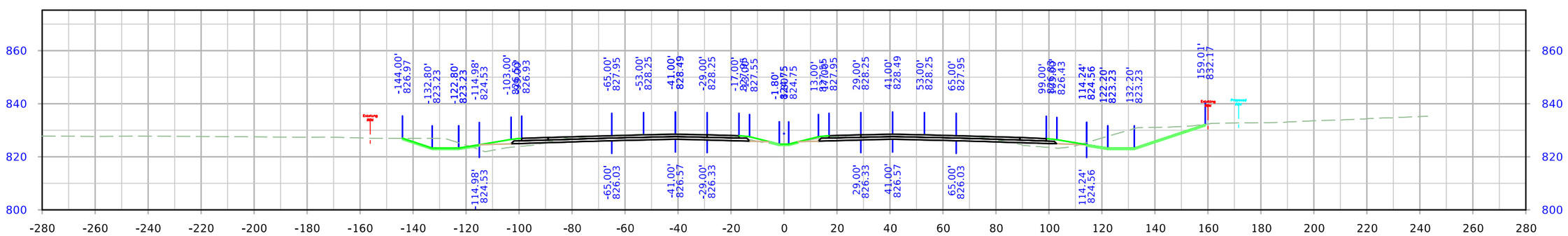
I-380



STA. 125+50.00



STA. 125+00.00

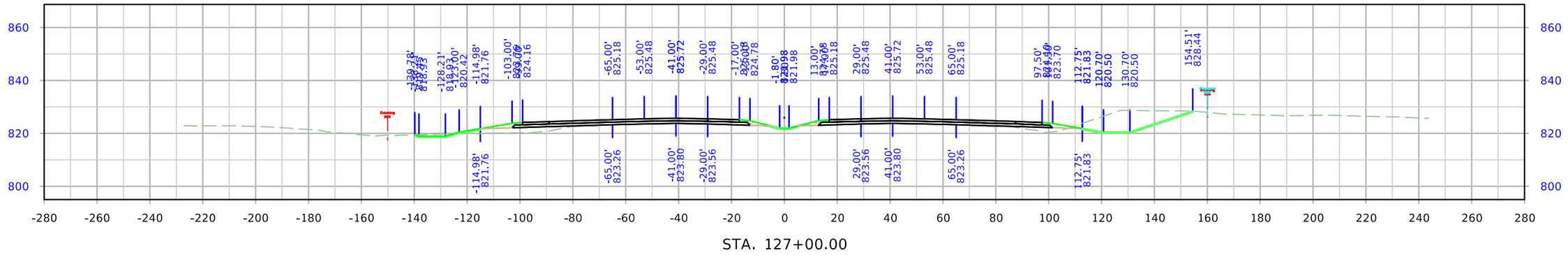


STA. 124+50.00

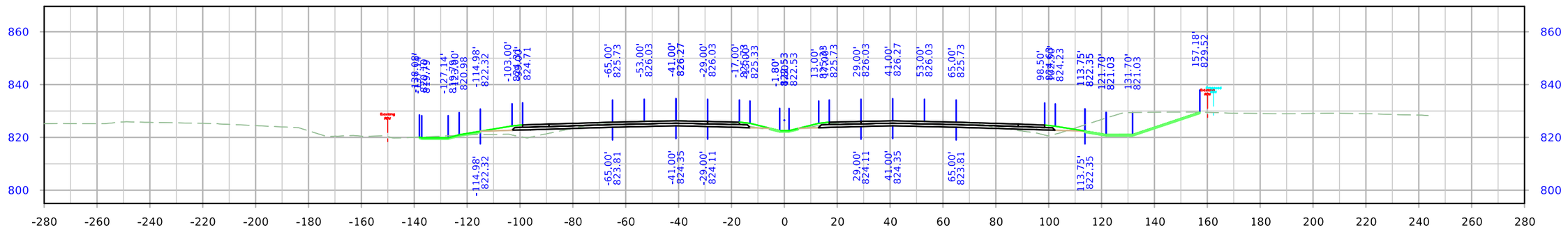
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.114

8:22:35 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

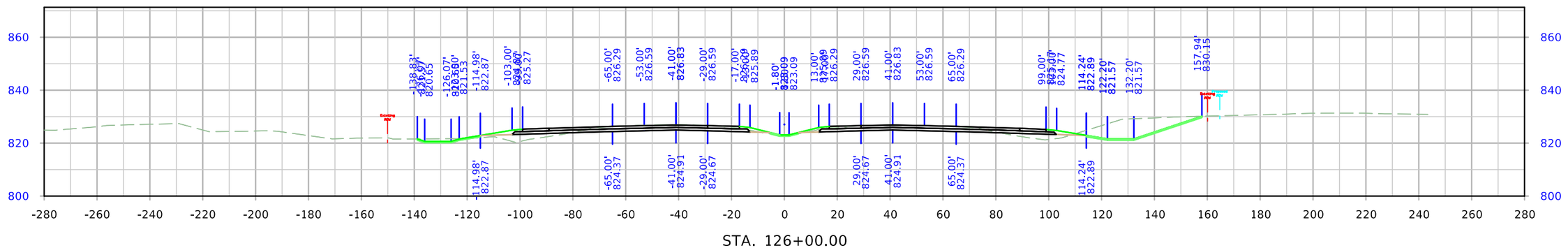
I-380



STA. 127+00.00



STA. 126+50.00

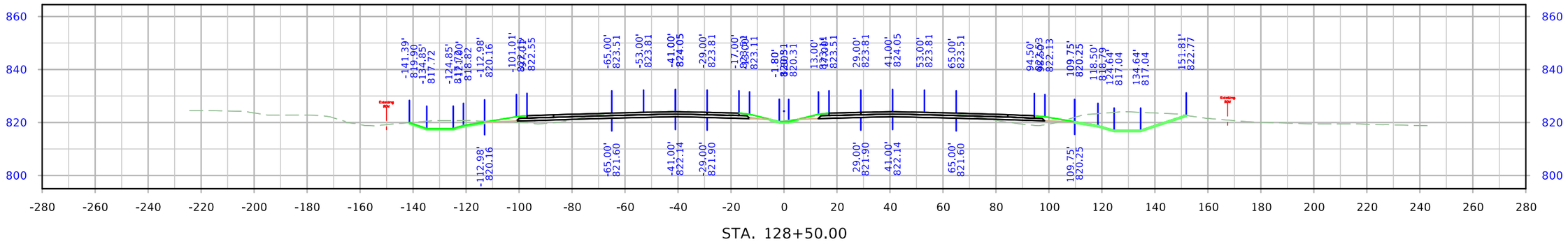


STA. 126+00.00

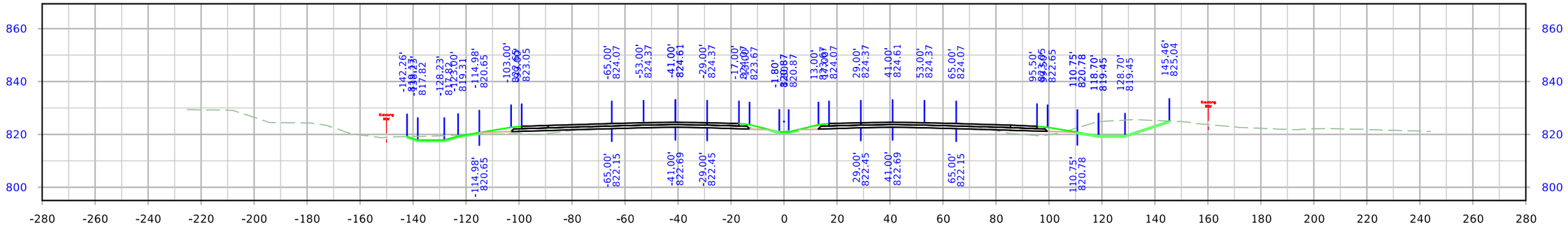
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.115

8:22:44 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

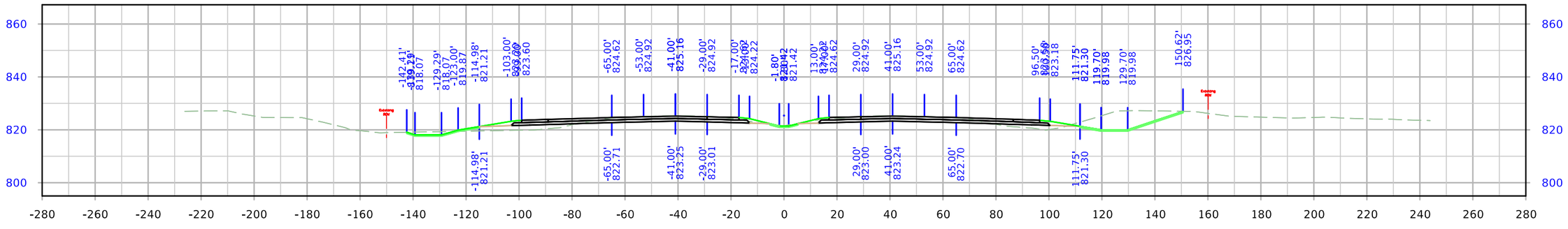
I-380



STA. 128+50.00



STA. 128+00.00

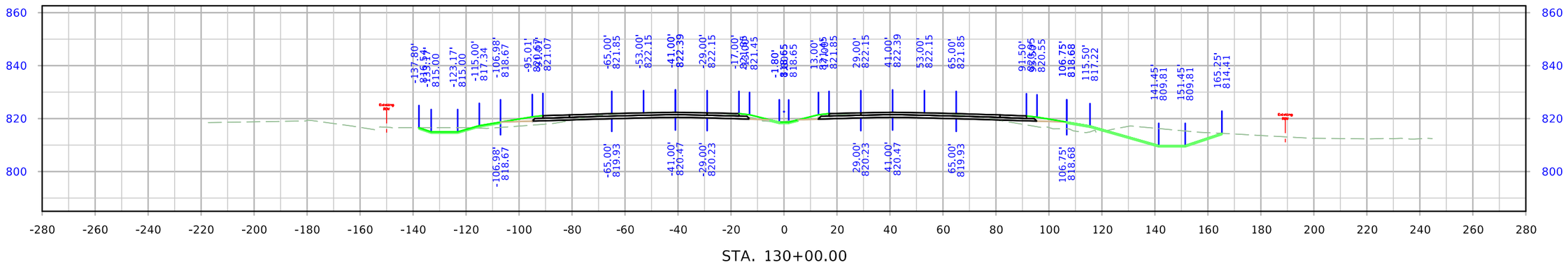


STA. 127+50.00

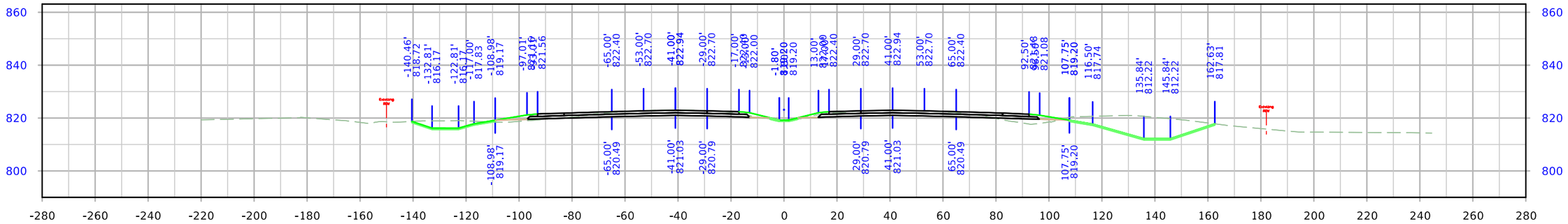
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.116

8:22:51 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

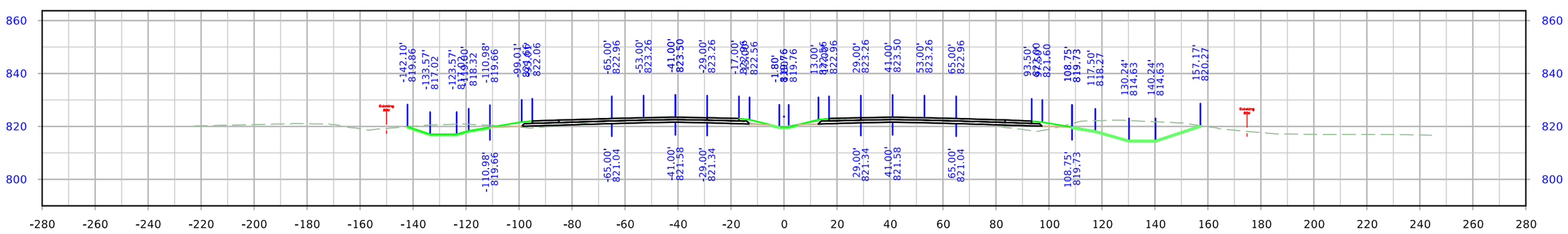
I-380



STA. 130+00.00



STA. 129+50.00

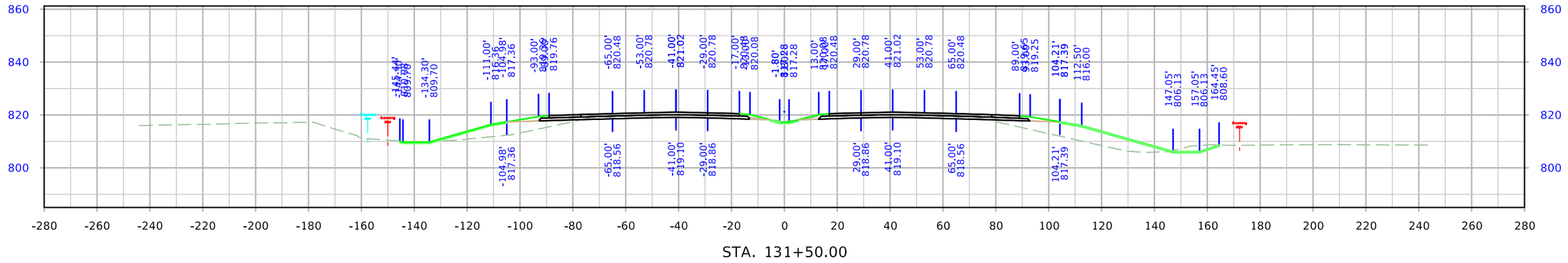


STA. 129+00.00

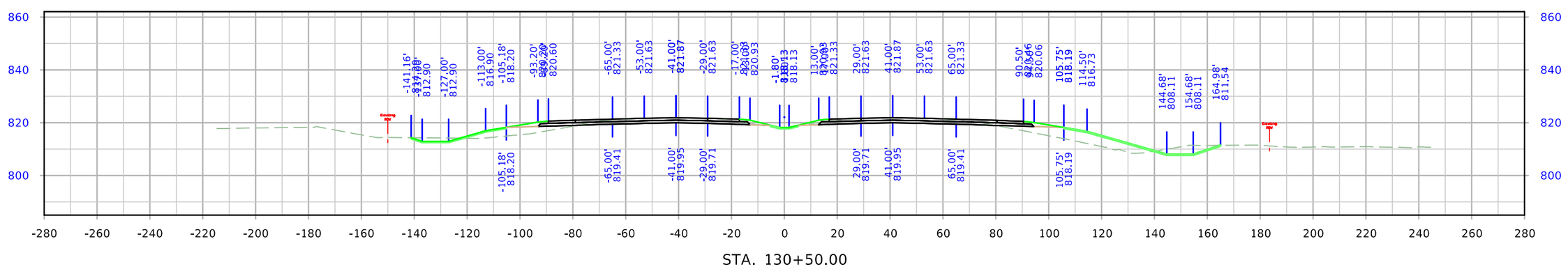
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.117

8:23:00 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

I-380



STA. 131+00.00

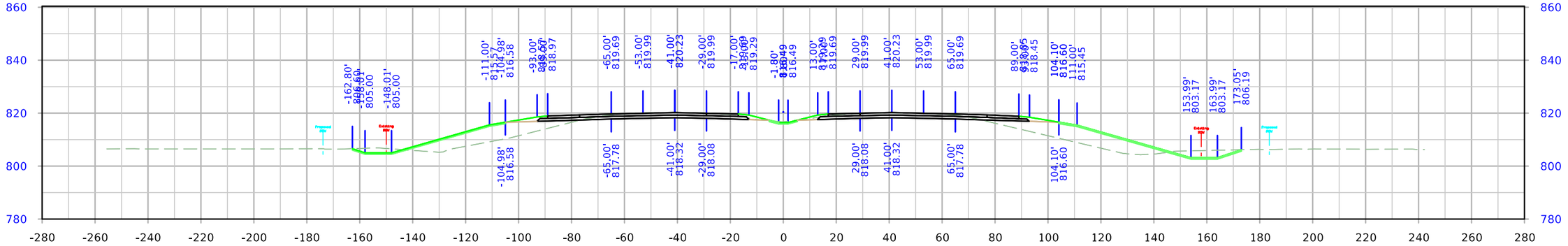


STA. 130+50.00

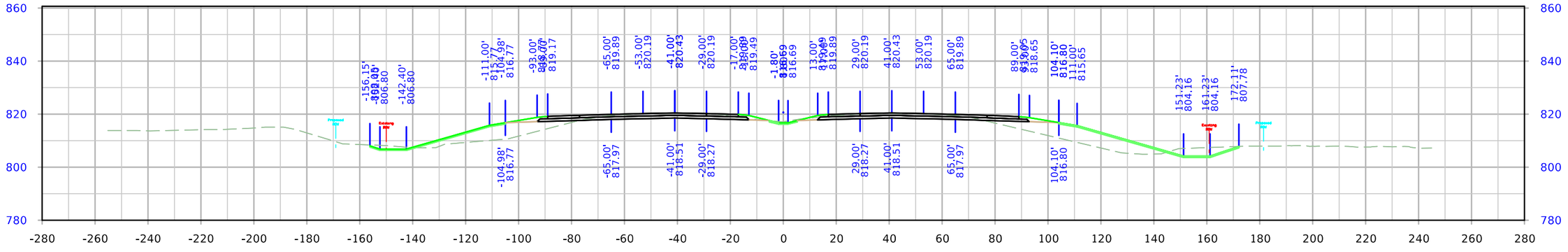
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.118

8:23:07 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

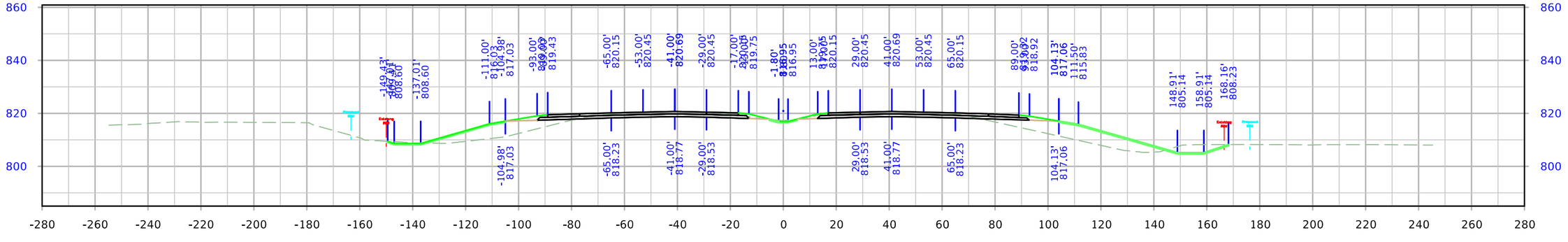
I-380



STA. 133+00.00



STA. 132+50.00

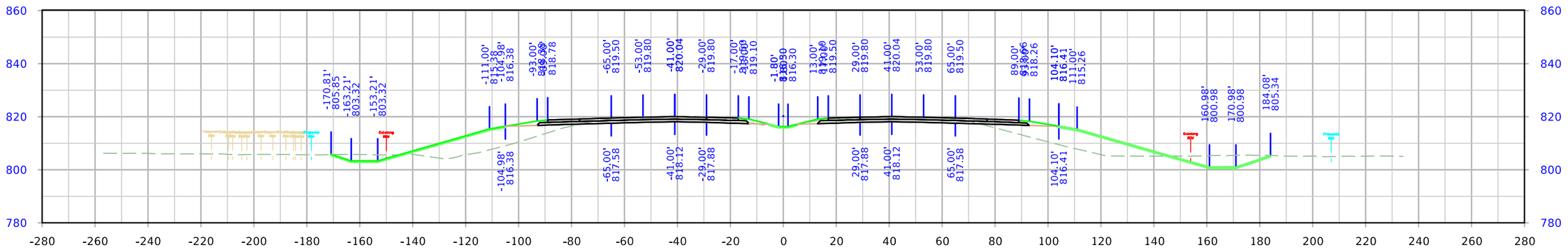


STA. 132+00.00

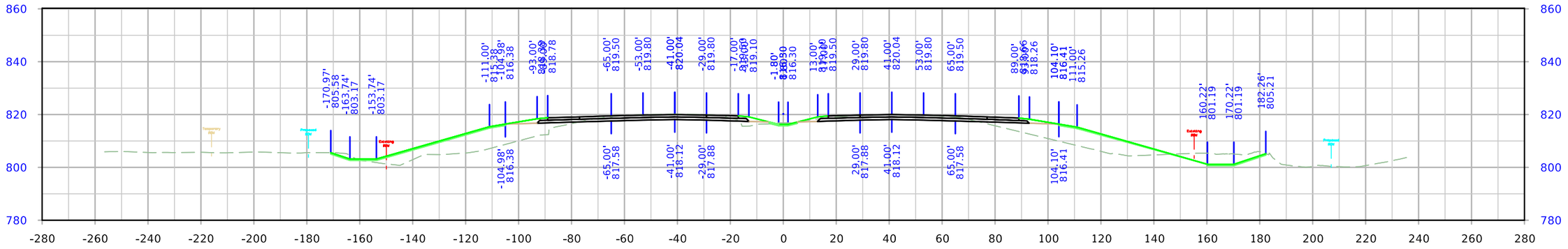
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.119

8:23:16 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

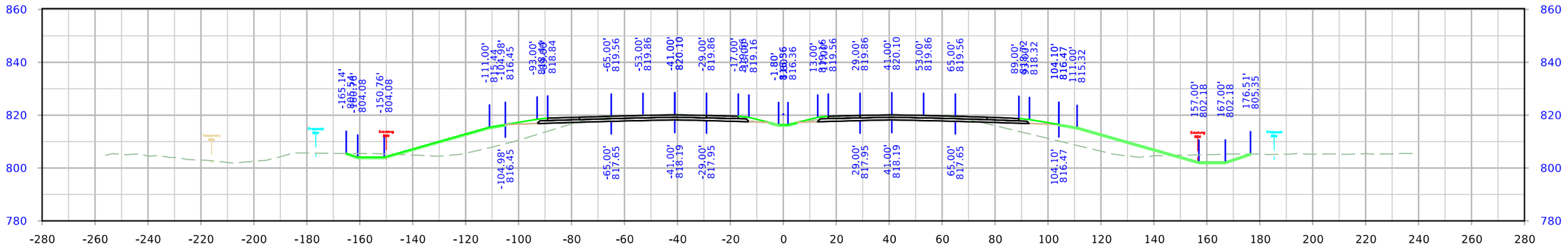
I-380



STA. 134+50.00



STA. 134+00.00

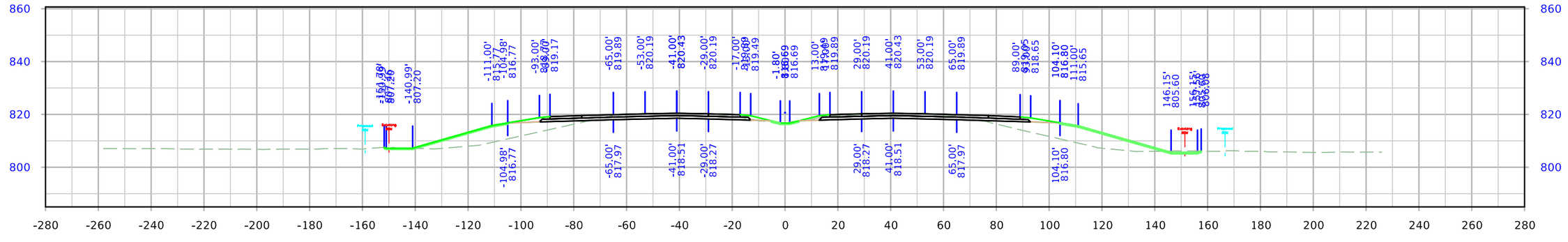


STA. 133+50.00

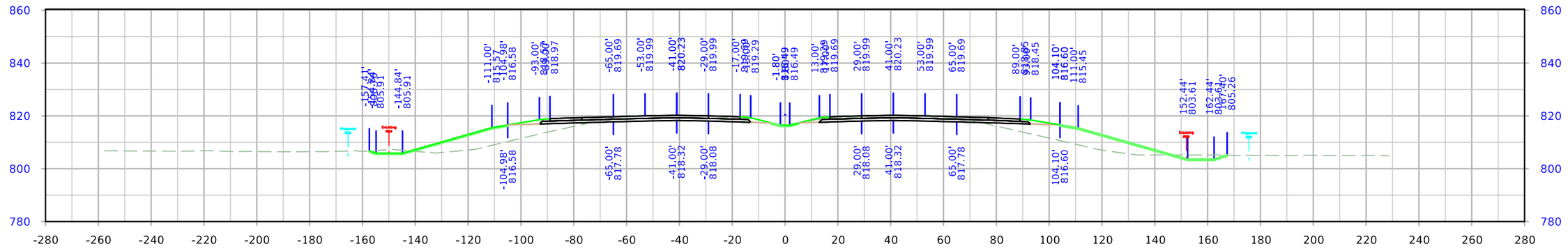
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.120

8:23:24 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

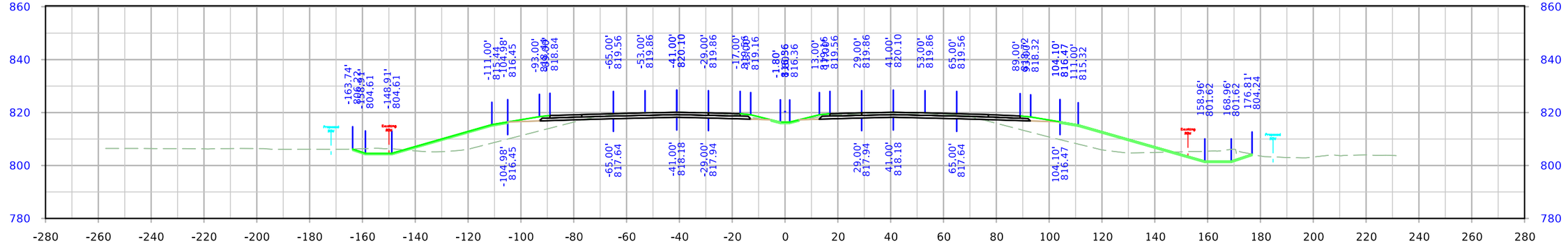
I-380



STA. 136+00.00



STA. 135+50.00

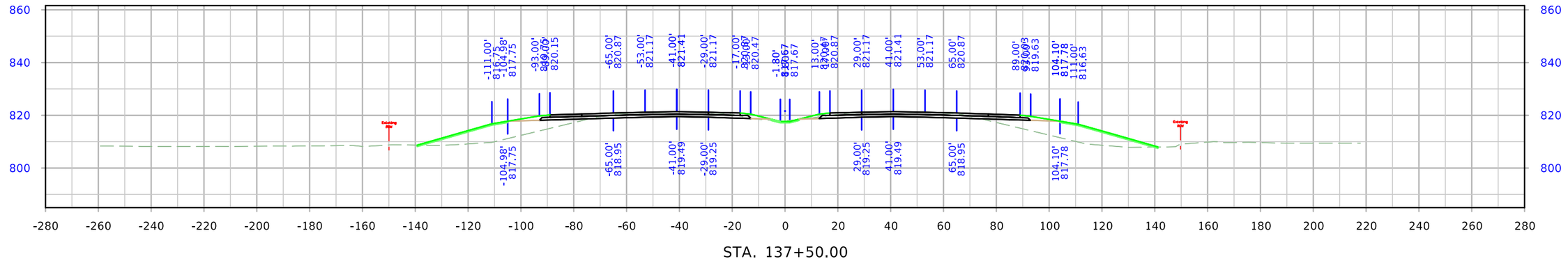


STA. 135+00.00

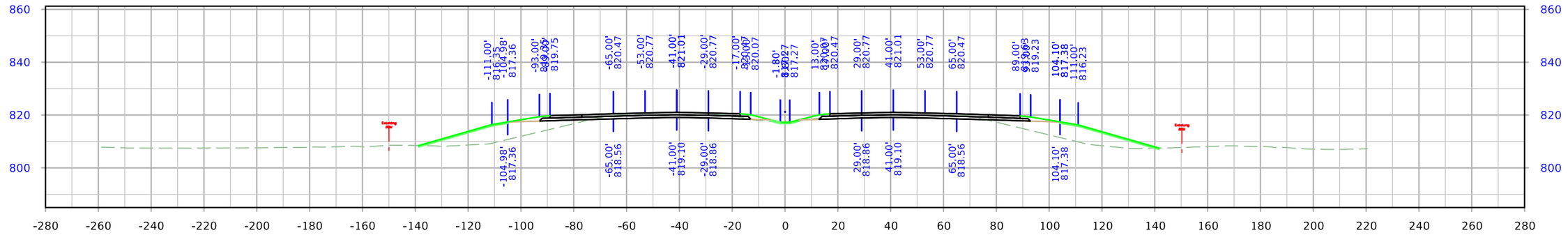
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.121

8:23:33 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

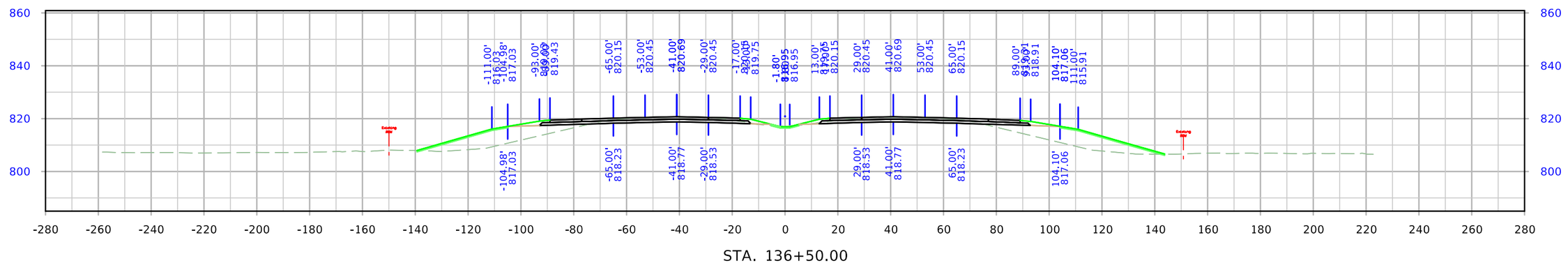
I-380



STA. 137+50.00



STA. 137+00.00

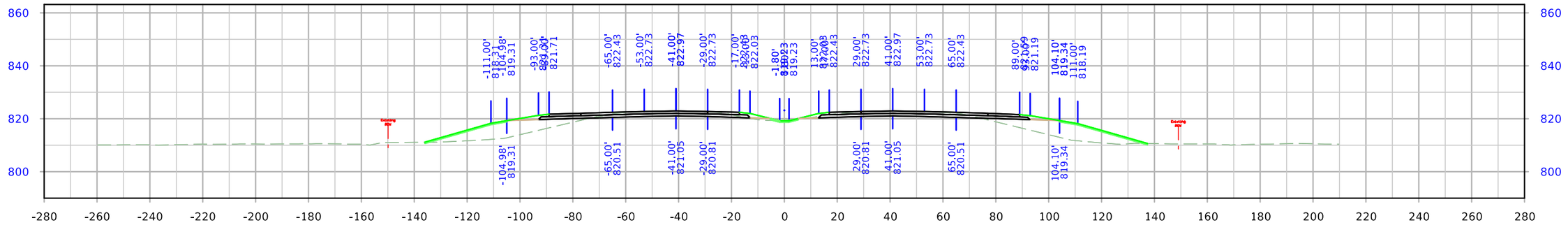


STA. 136+50.00

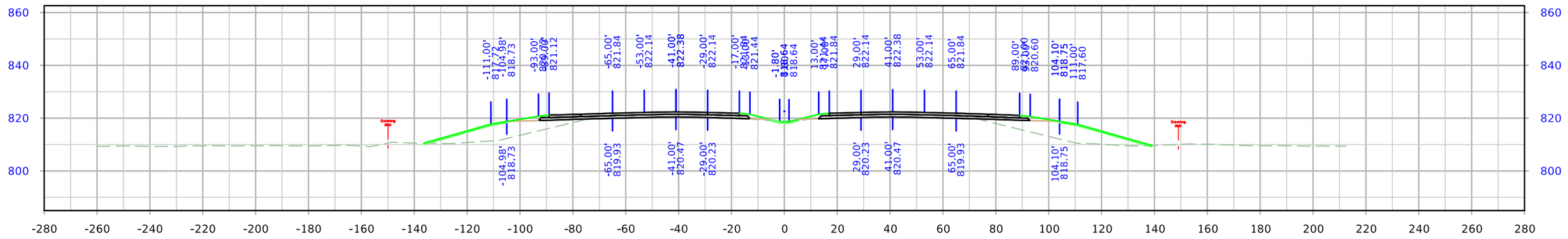
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.122

8:23:40 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

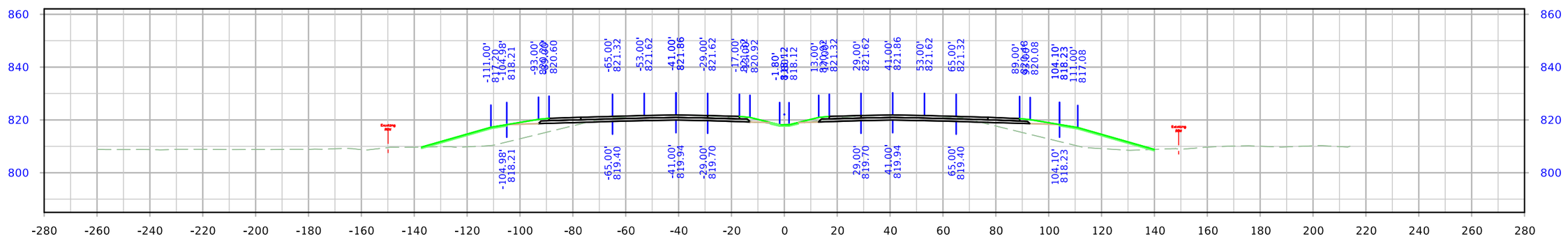
I-380



STA. 139+00.00



STA. 138+50.00

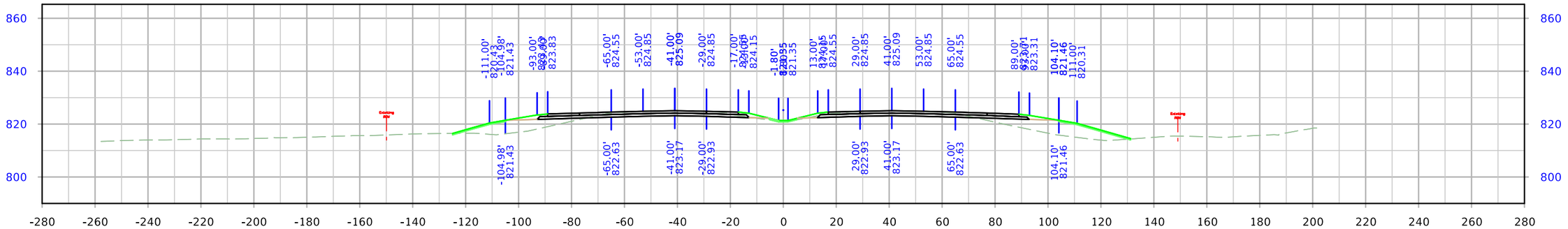


STA. 138+00.00

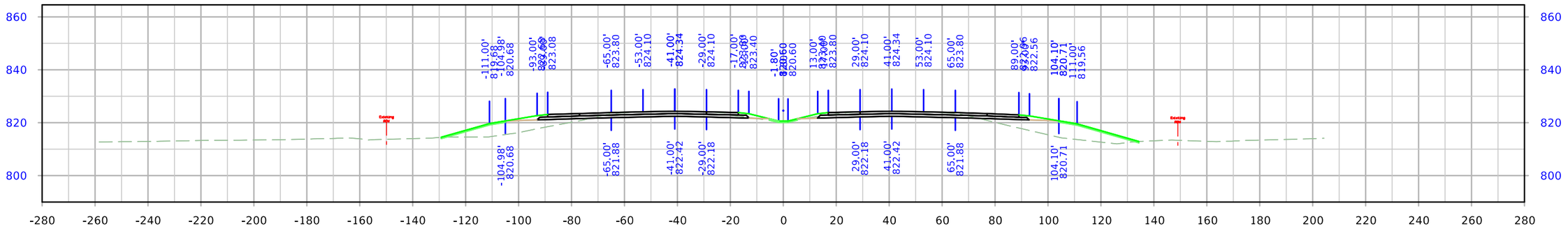
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.123	

8:23:49 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

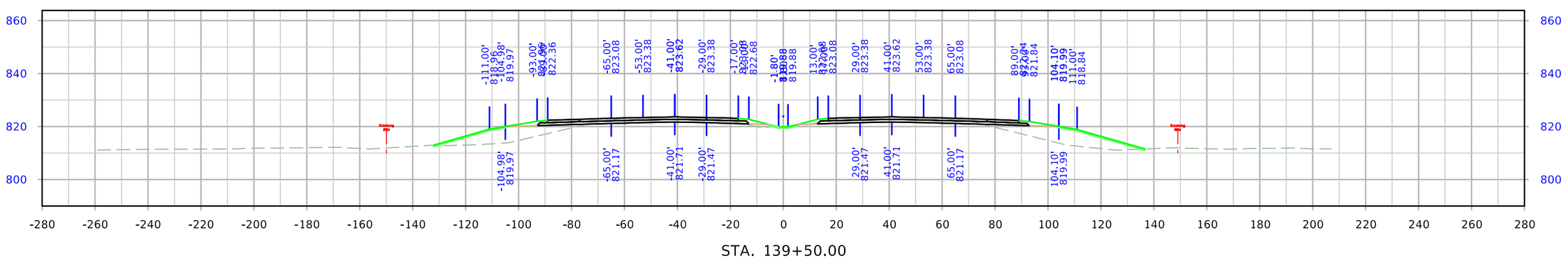
I-380



STA. 140+50.00



STA. 140+00.00

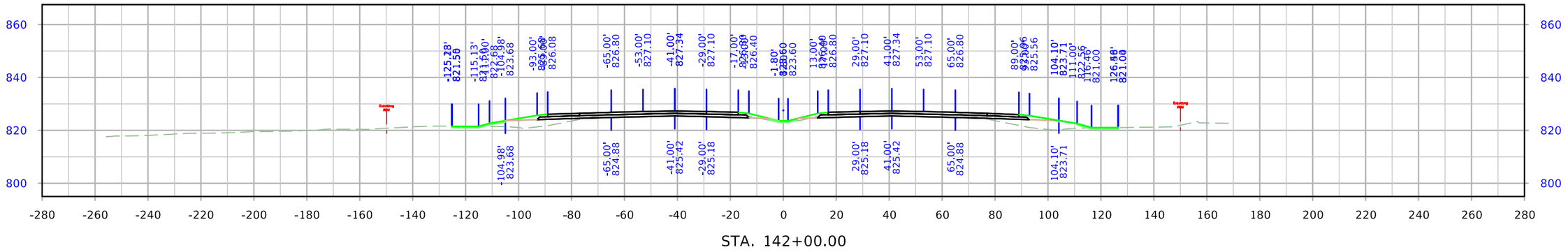


STA. 139+50.00

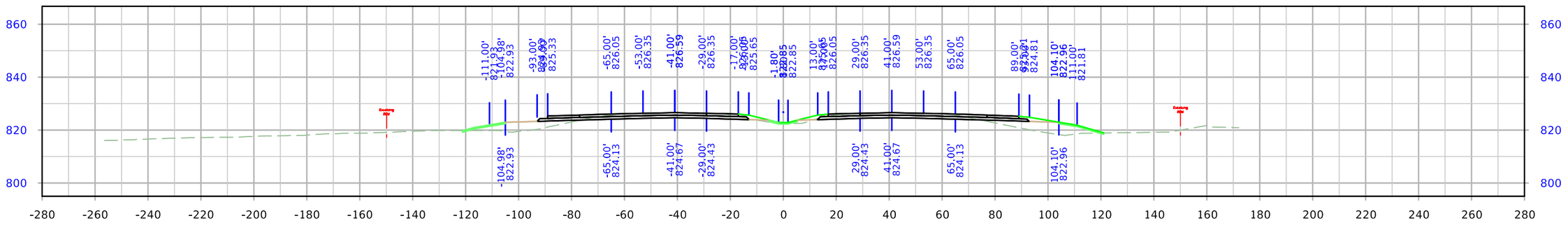
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.124

8:23:56 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

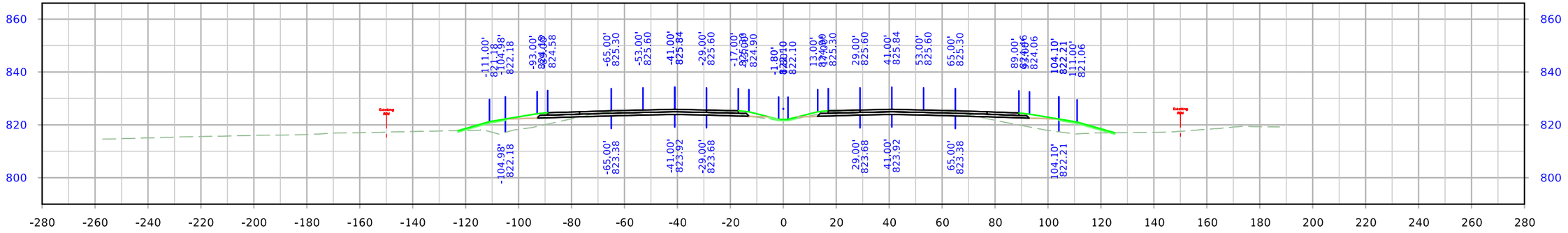
I-380



STA. 142+00.00



STA. 141+50.00

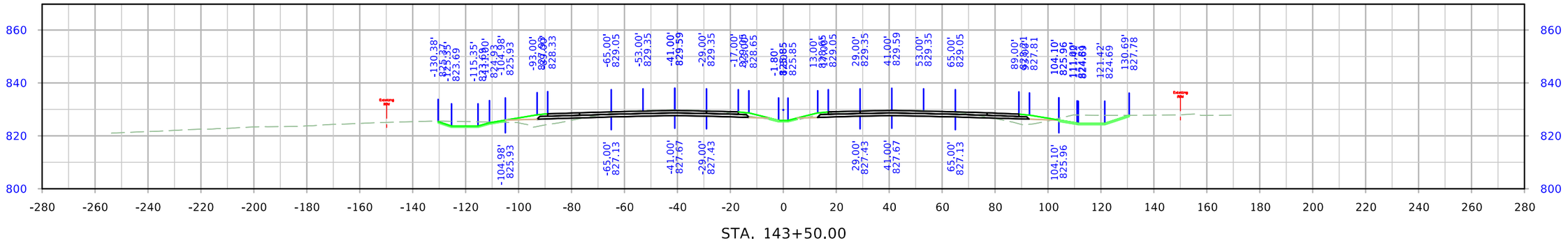


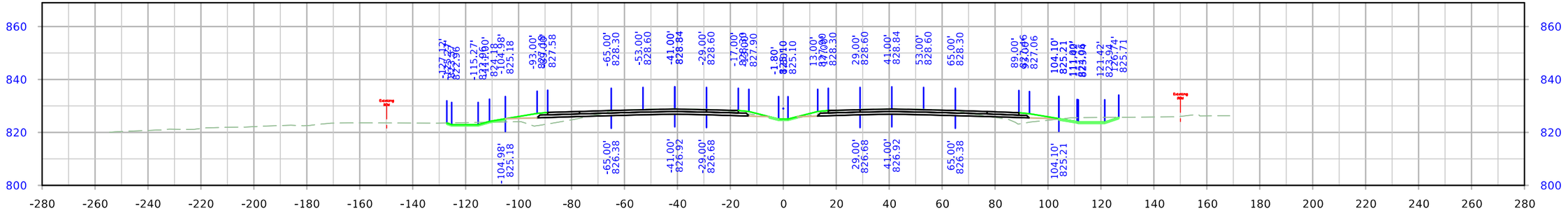
STA. 141+00.00

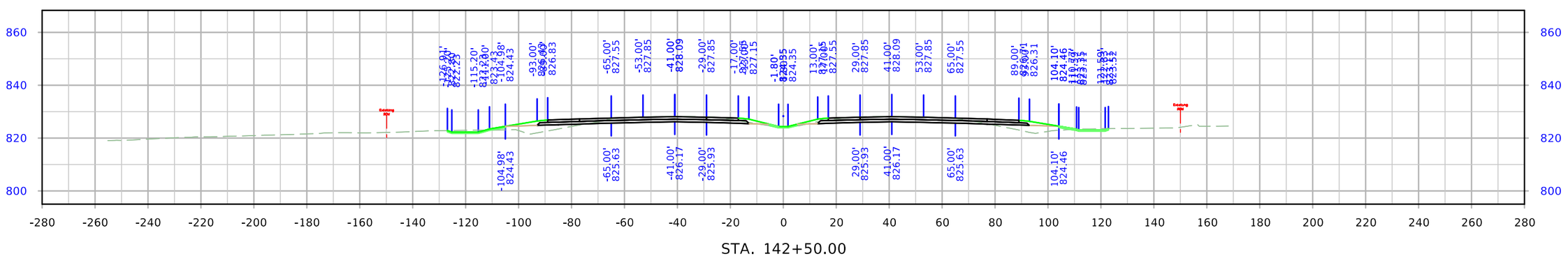
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.125

8:24:05 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

I-380



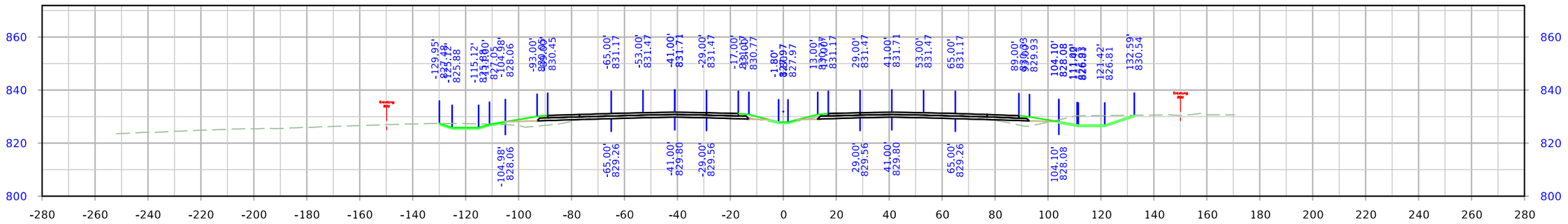




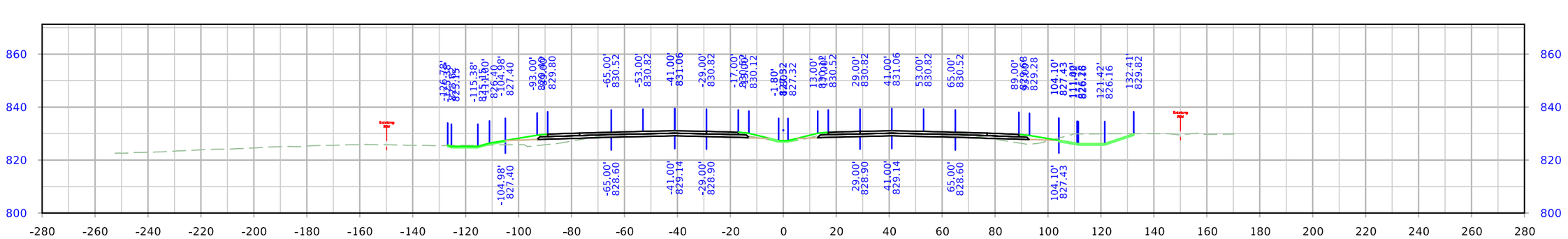
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.126

8:24:13 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

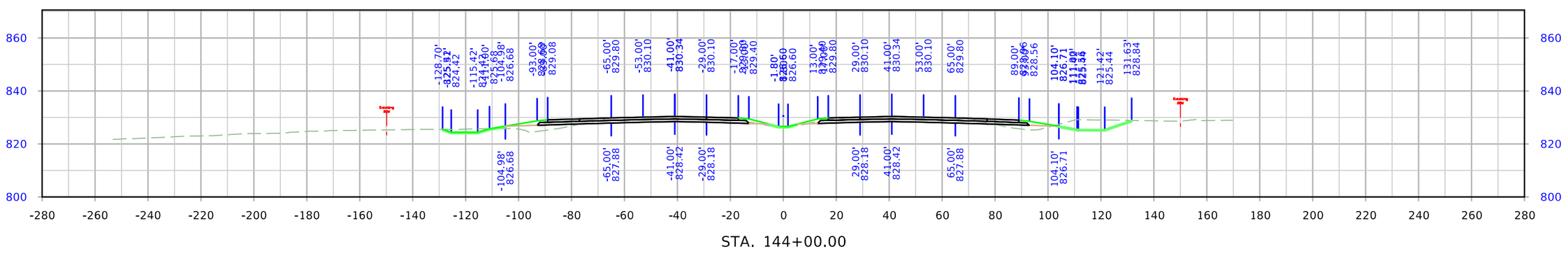
I-380



STA. 145+00.00



STA. 144+50.00

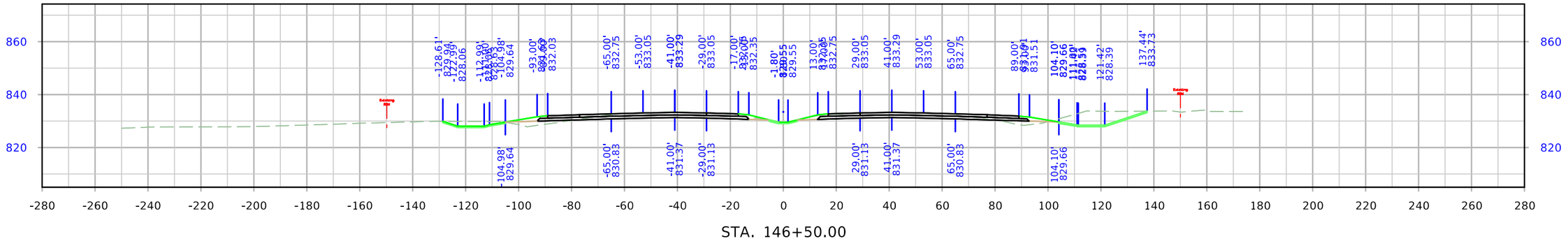


STA. 144+00.00

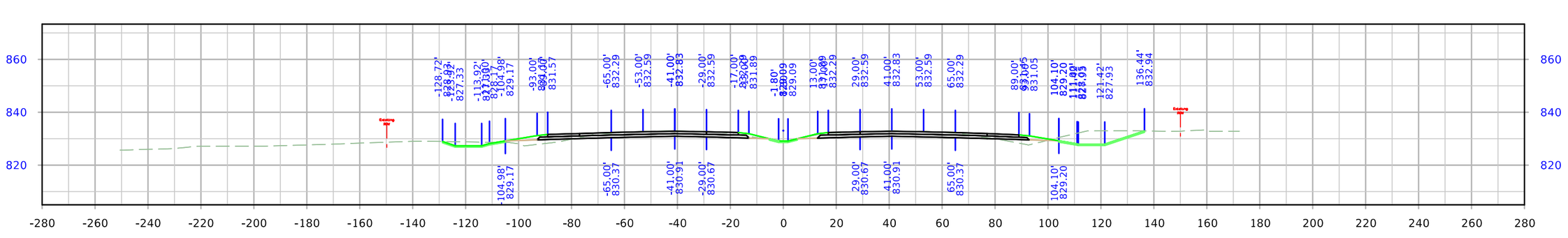
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.127

8:24:21 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

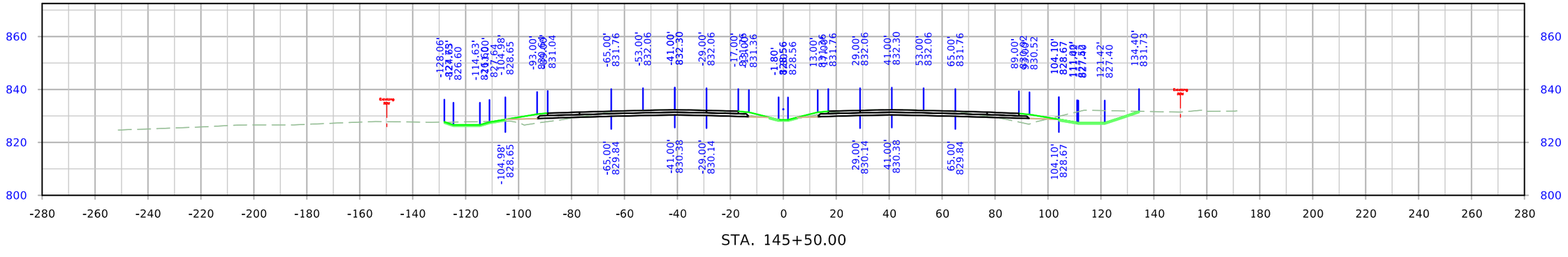
I-380



STA. 146+50.00



STA. 146+00.00

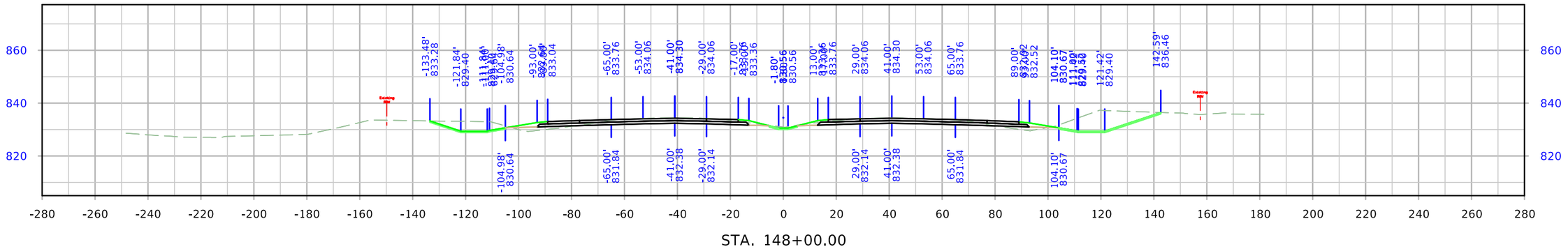


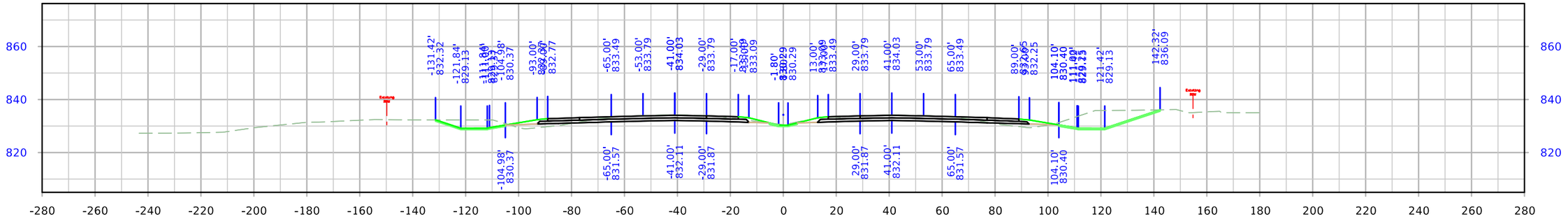
STA. 145+50.00

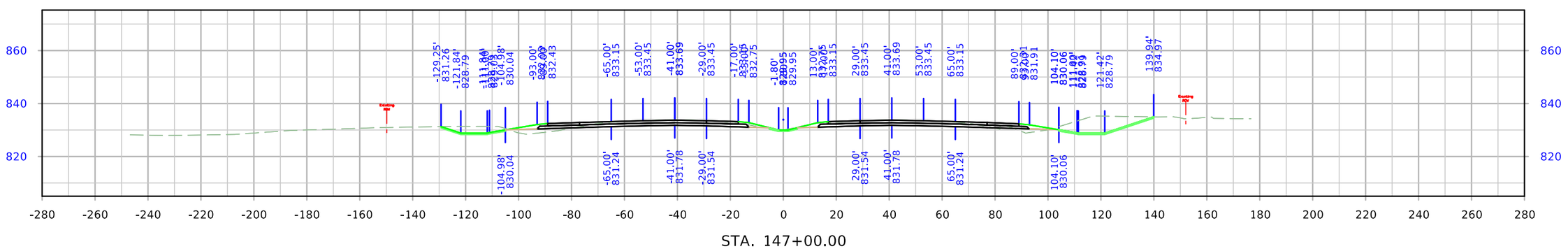
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.128

8:24:29 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

I-380



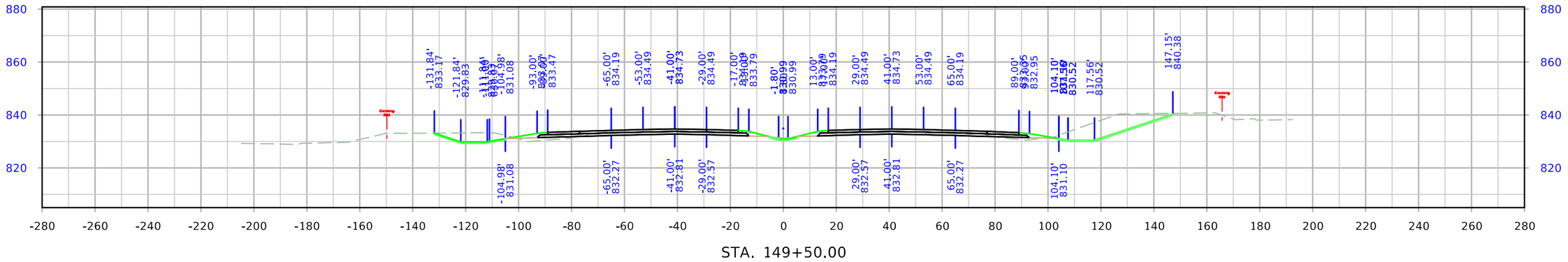




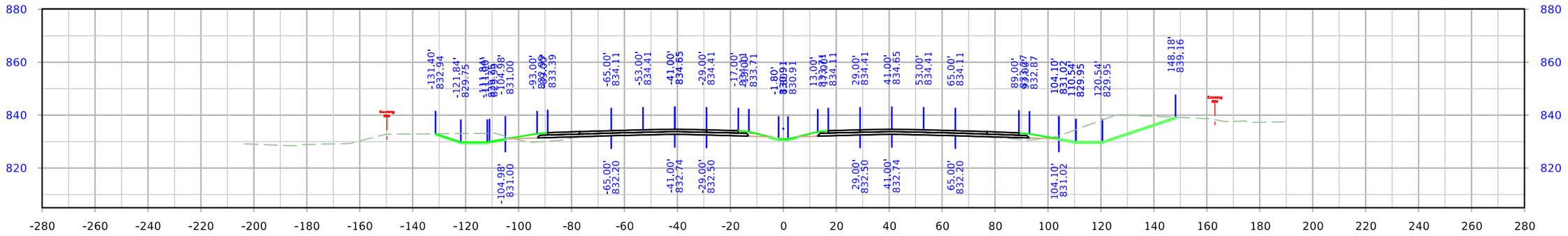
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.129

8:24:37 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

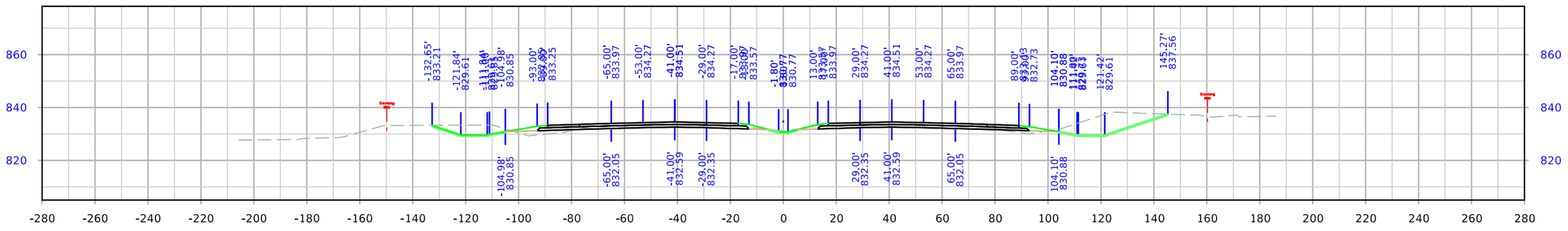
I-380



STA. 149+50.00



STA. 149+00.00

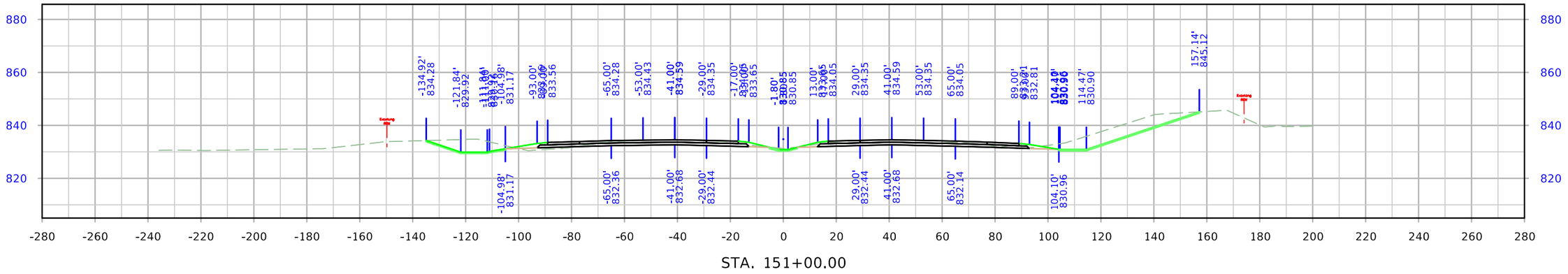


STA. 148+50.00

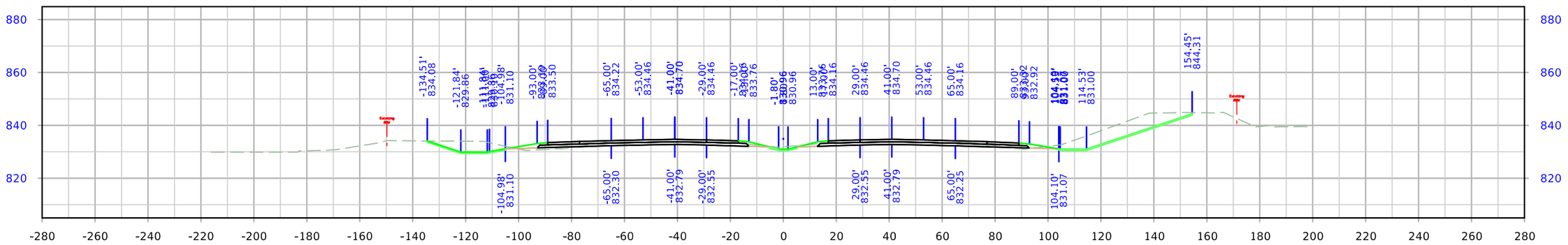
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.130

8:24:45 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

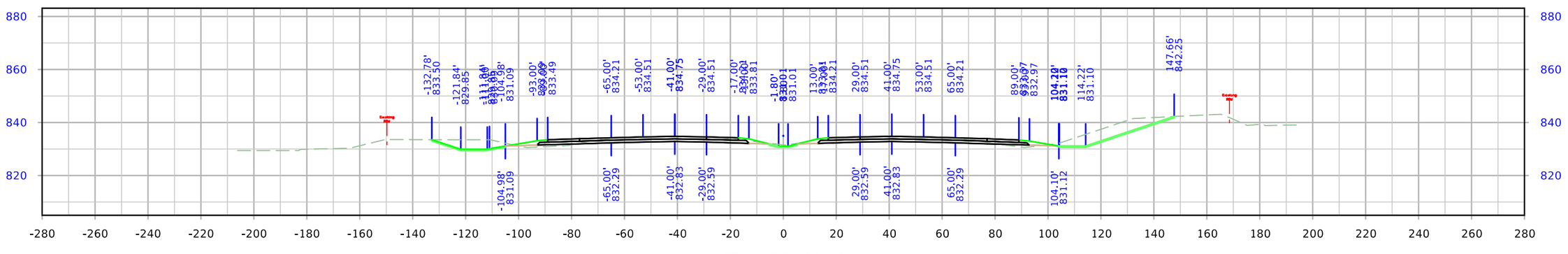
I-380



STA. 151+00.00



STA. 150+50.00

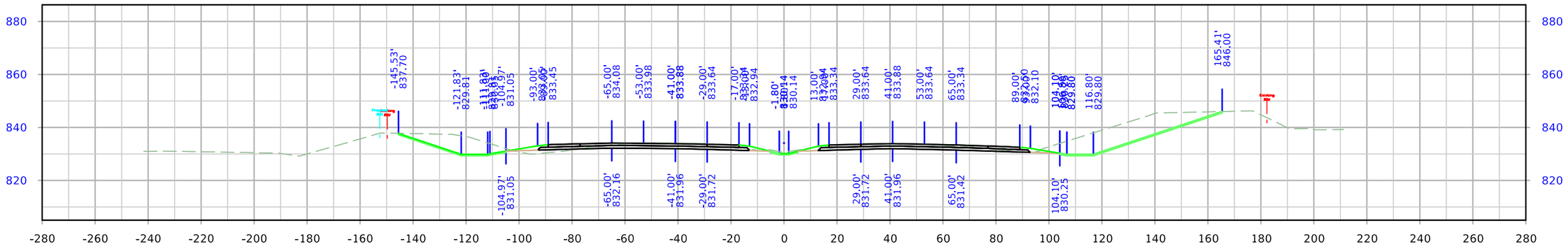


STA. 150+00.00

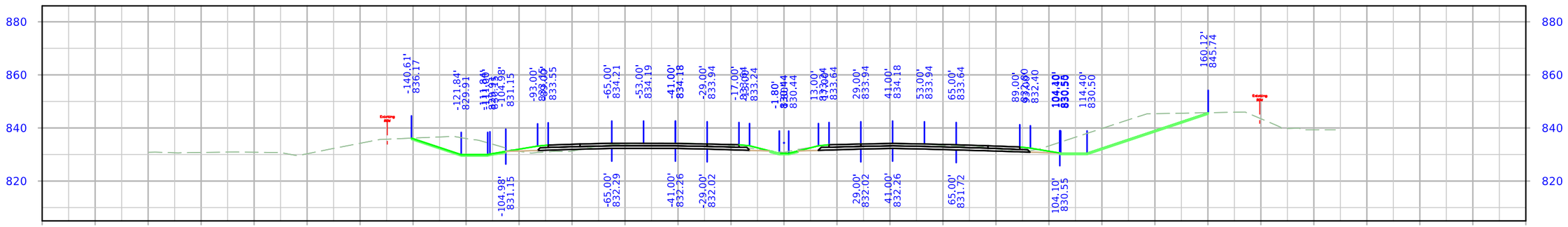
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.131

8:24:53 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

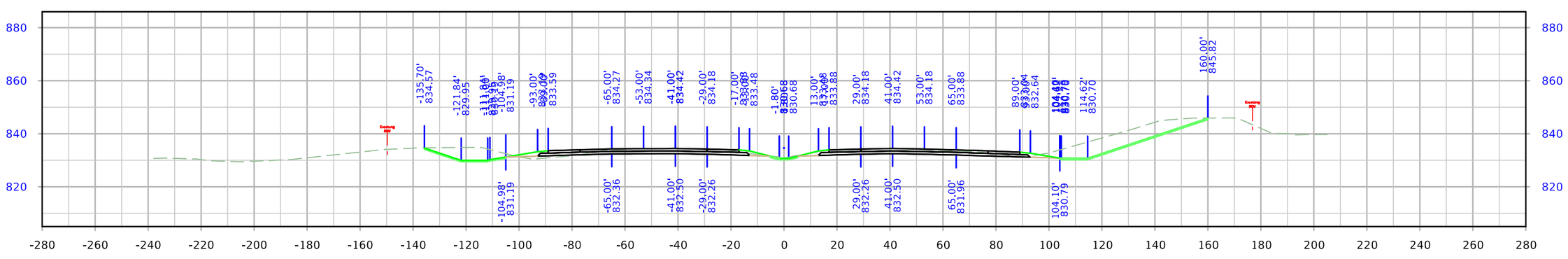
I-380



STA. 152+50.00



STA. 152+00.00

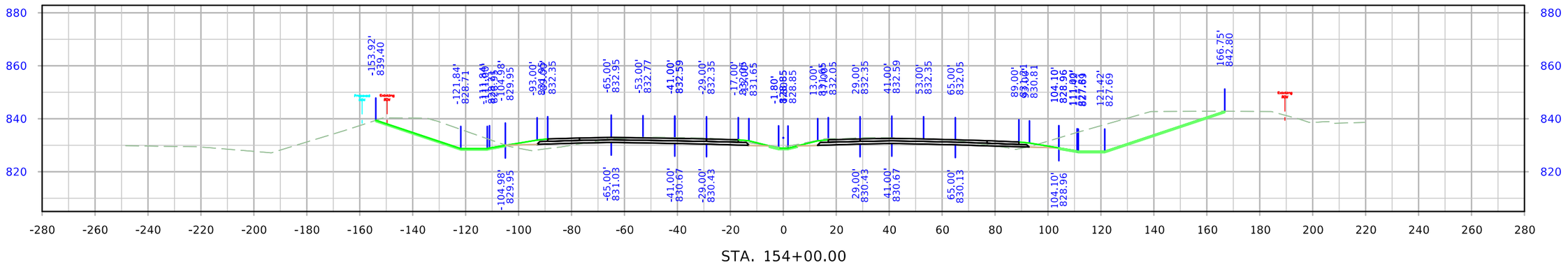


STA. 151+50.00

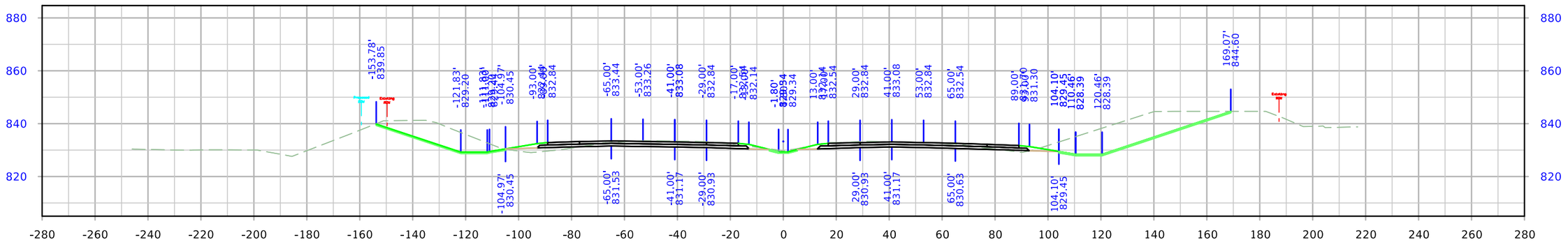
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.132

8:25:01 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

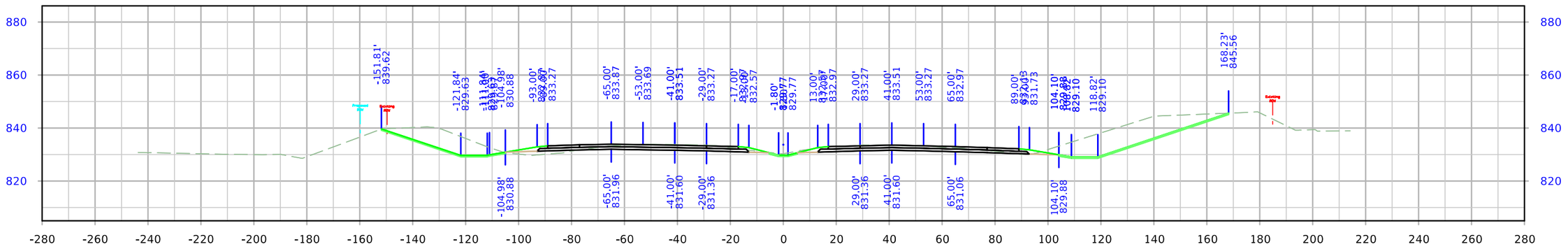
I-380



STA. 154+00.00



STA. 153+50.00

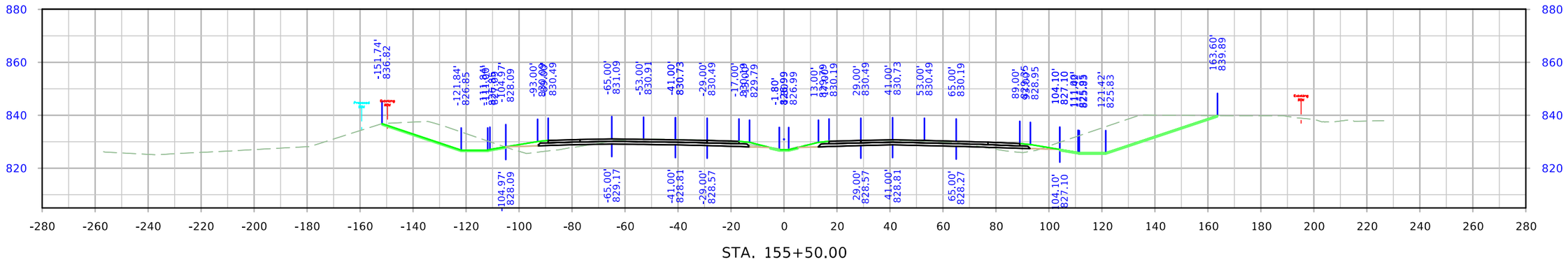


STA. 153+00.00

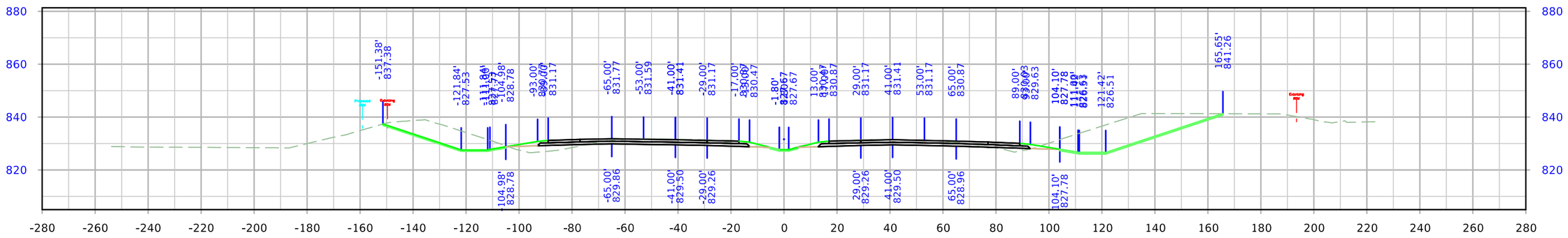
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.133

8:25:10 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

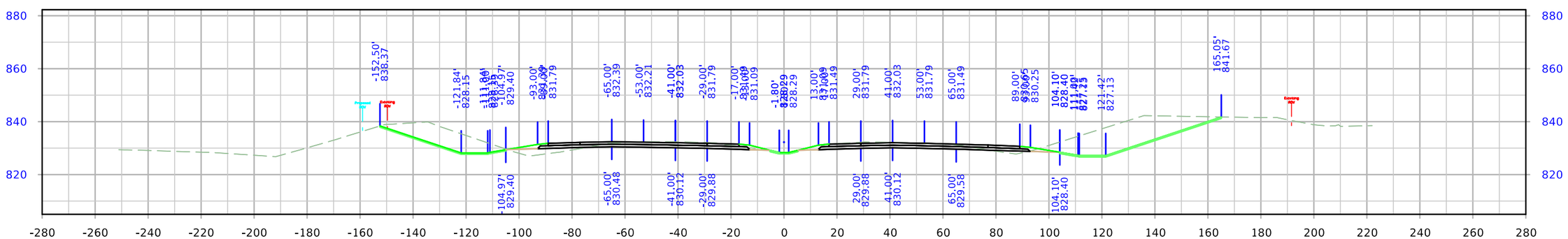
I-380



STA. 155+50.00



STA. 155+00.00

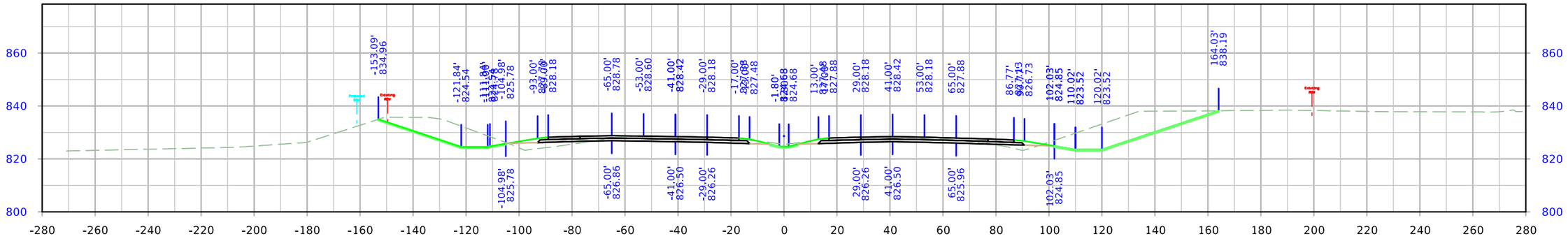


STA. 154+50.00

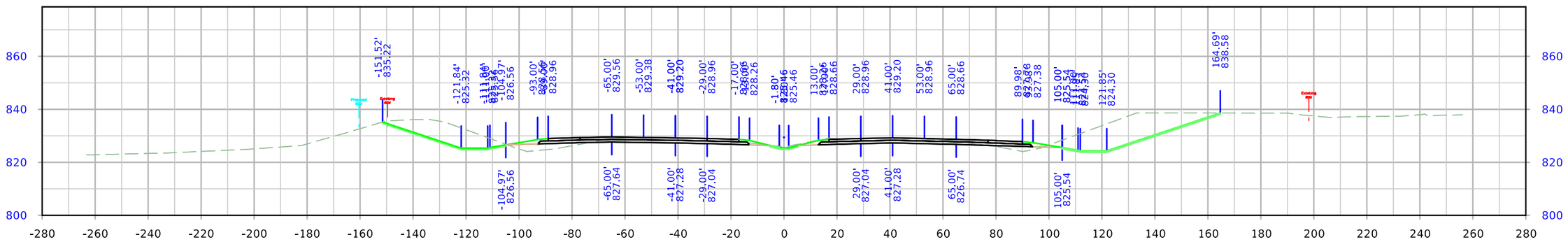
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.134

8:25:18 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

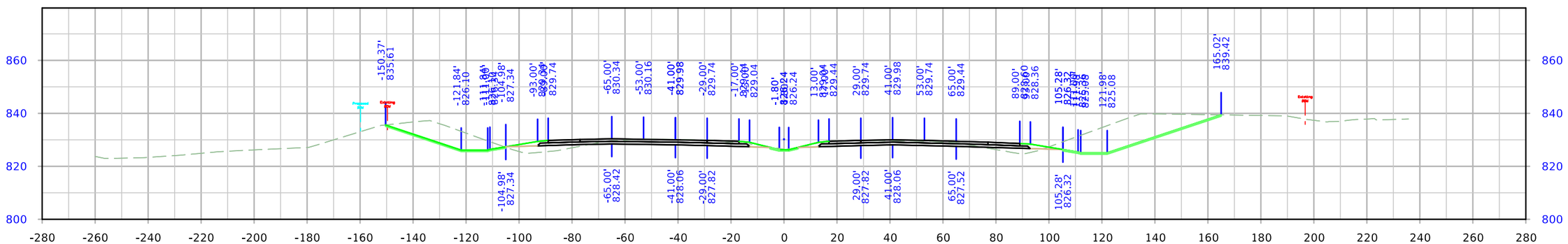
I-380



STA. 157+00.00



STA. 156+50.00

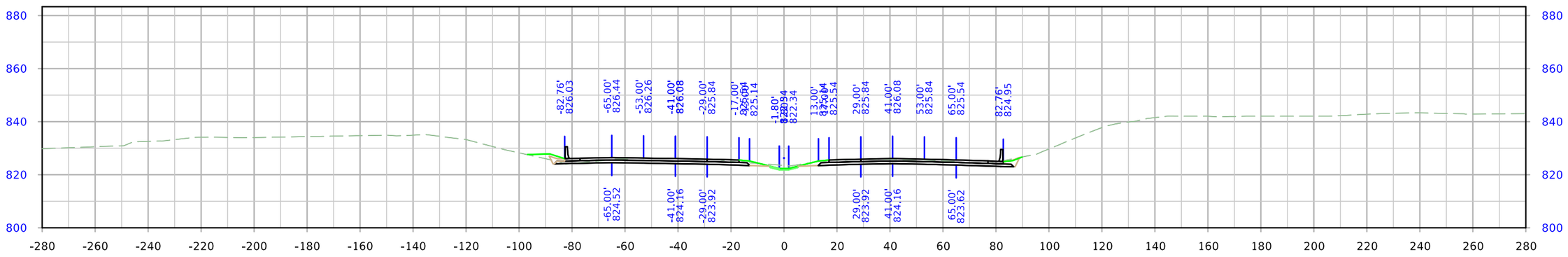


STA. 156+00.00

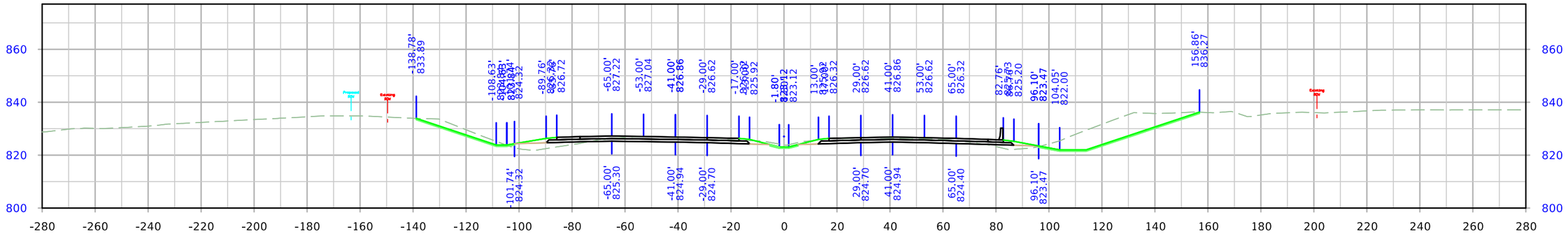
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.135

8:25:26 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

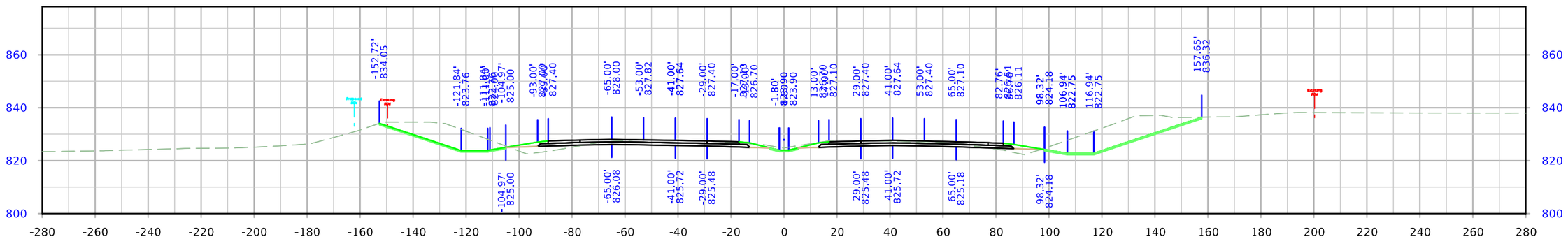
I-380



STA. 158+50.00



STA. 158+00.00

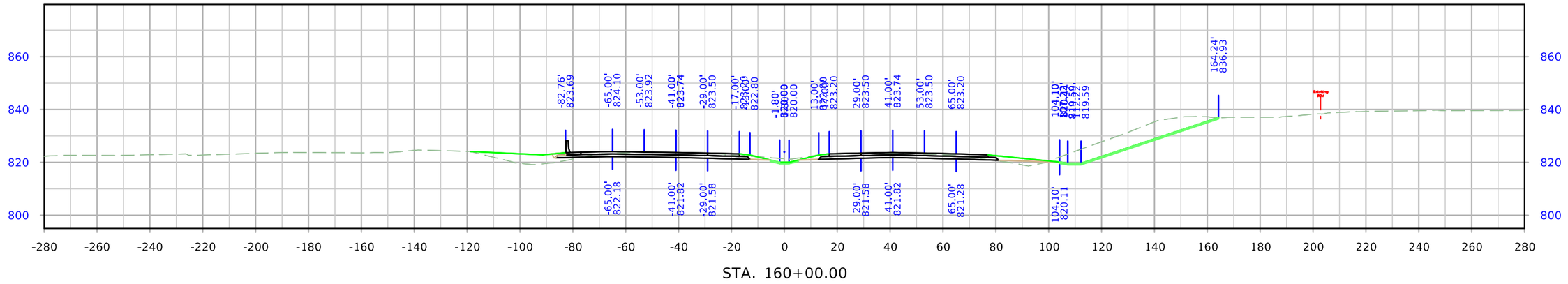


STA. 157+50.00

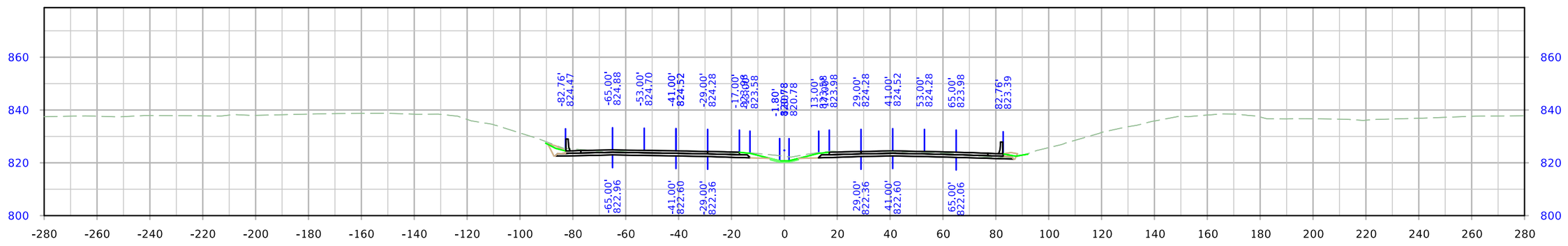
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.136

8:25:34 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

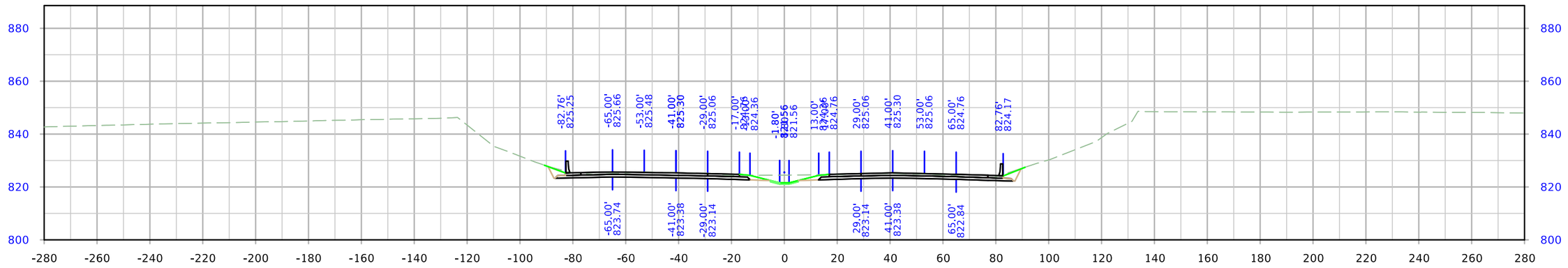
I-380



STA. 160+00.00



STA. 159+50.00

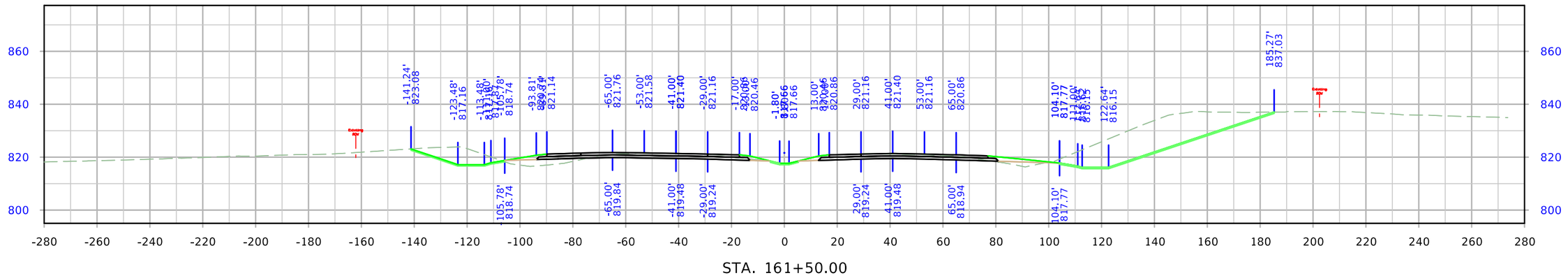


STA. 159+00.00

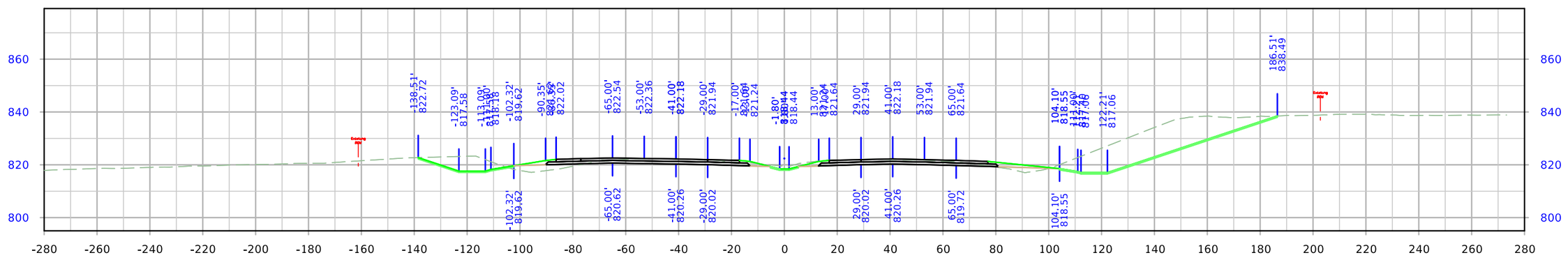
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.137	

8:25:41 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

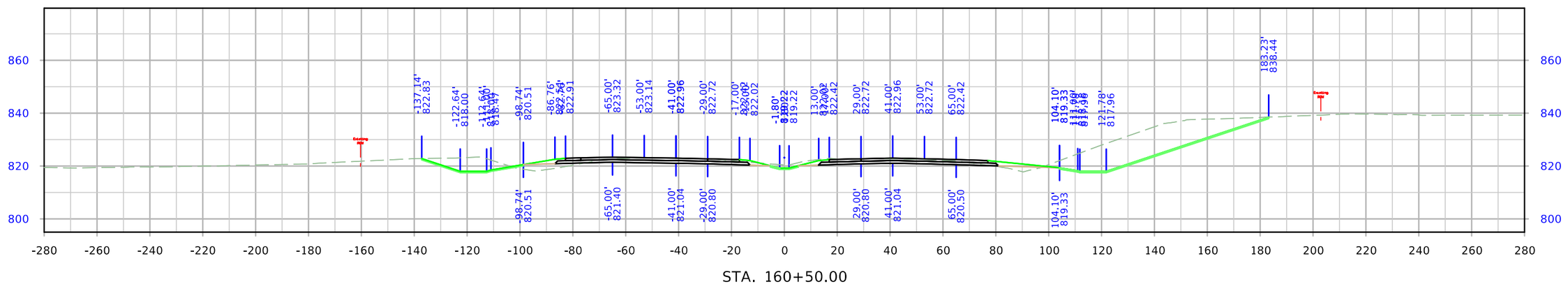
I-380



STA. 161+50.00



STA. 161+00.00

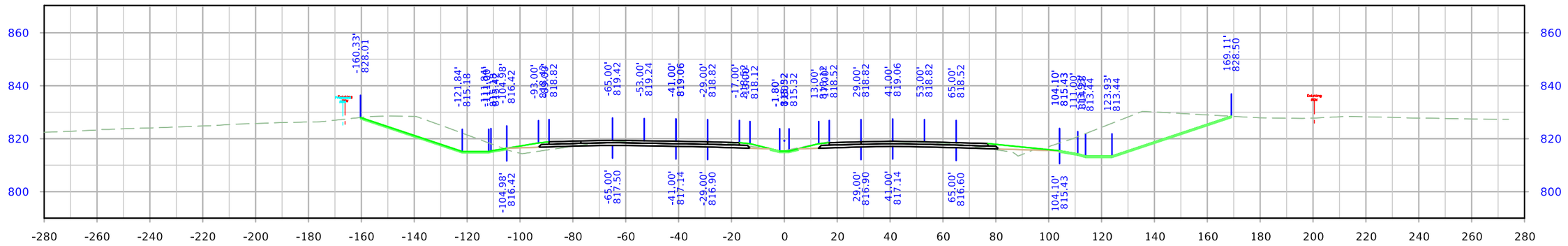


STA. 160+50.00

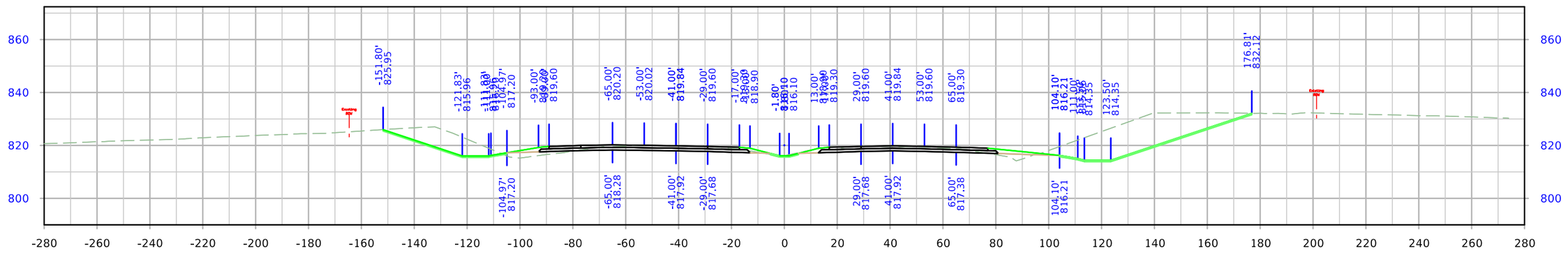
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.138

8:25:47 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

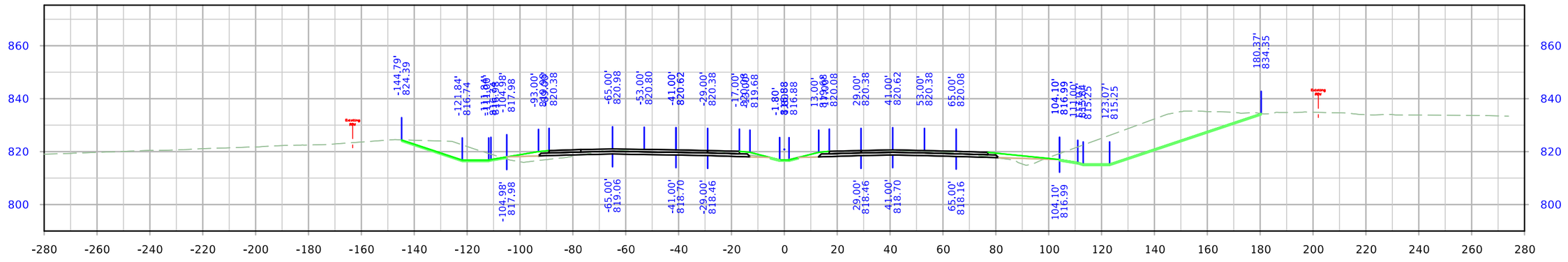
I-380



STA. 163+00.00



STA. 162+50.00

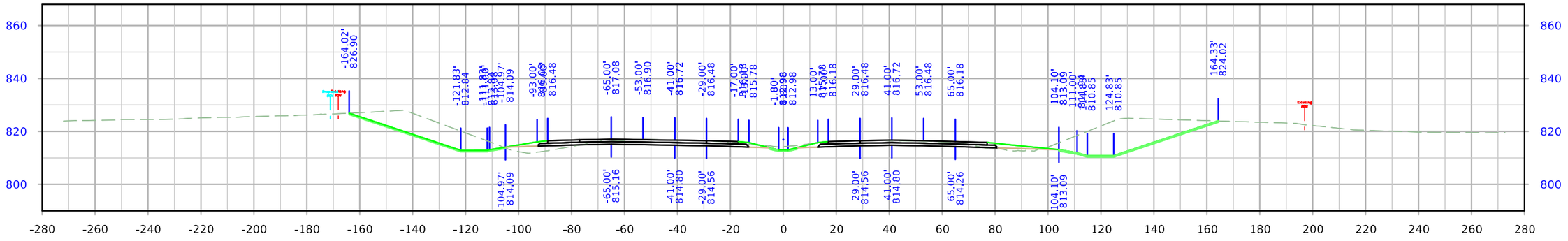


STA. 162+00.00

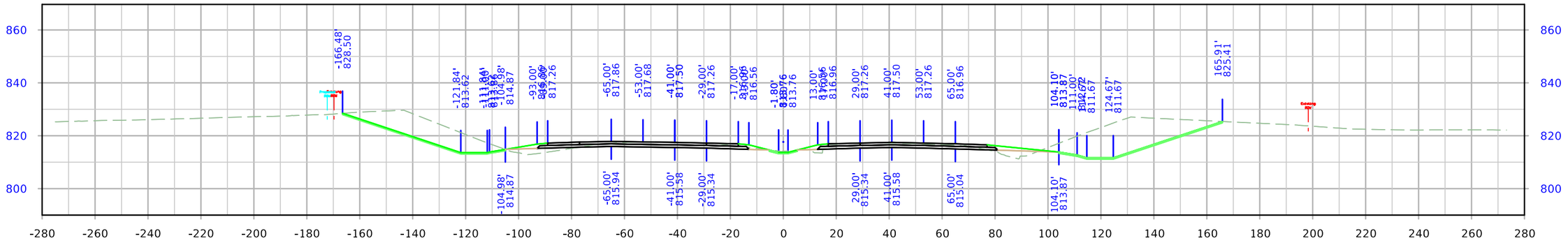
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.139

8:25:54 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

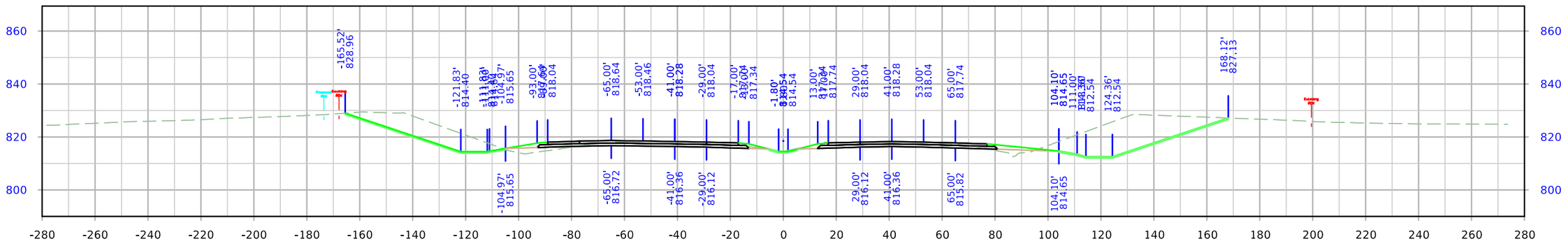
I-380



STA. 164+50.00



STA. 164+00.00

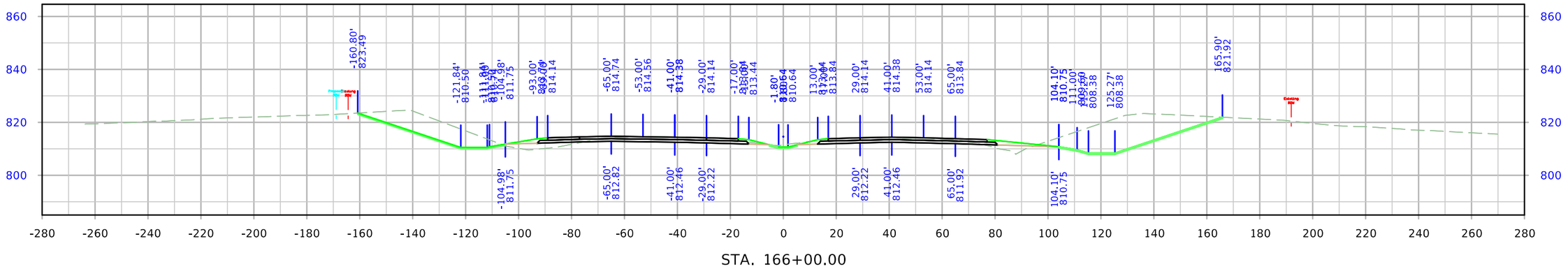


STA. 163+50.00

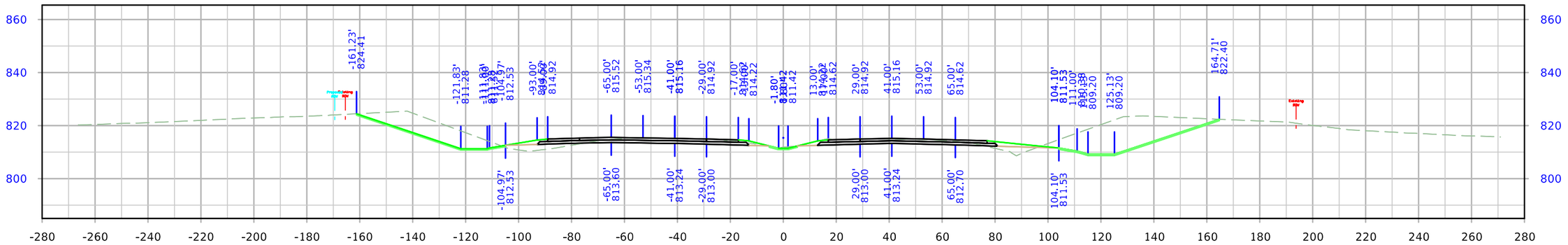
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.140

8:26:00 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

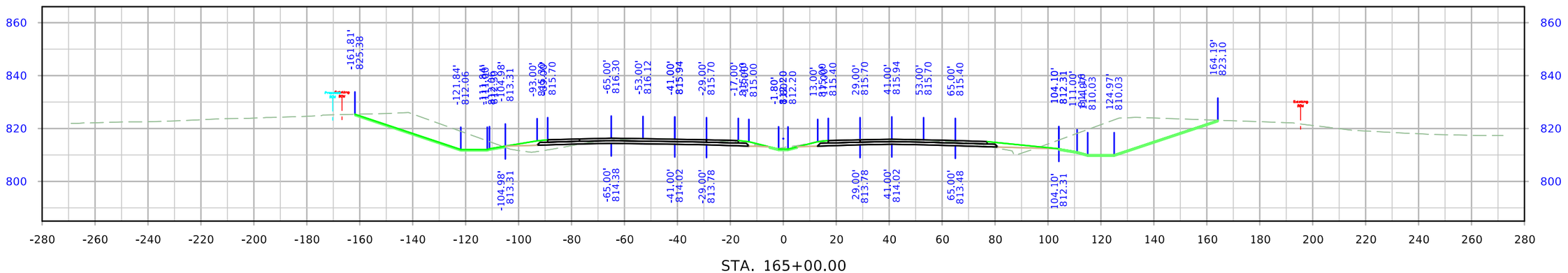
I-380



STA. 166+00.00



STA. 165+50.00

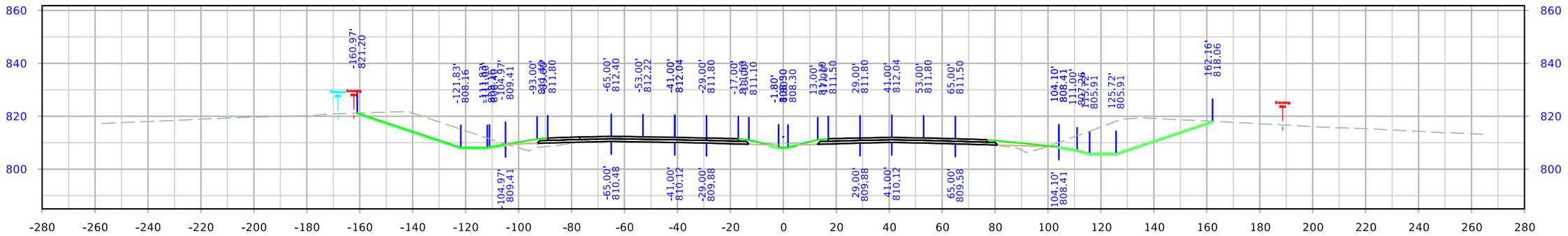


STA. 165+00.00

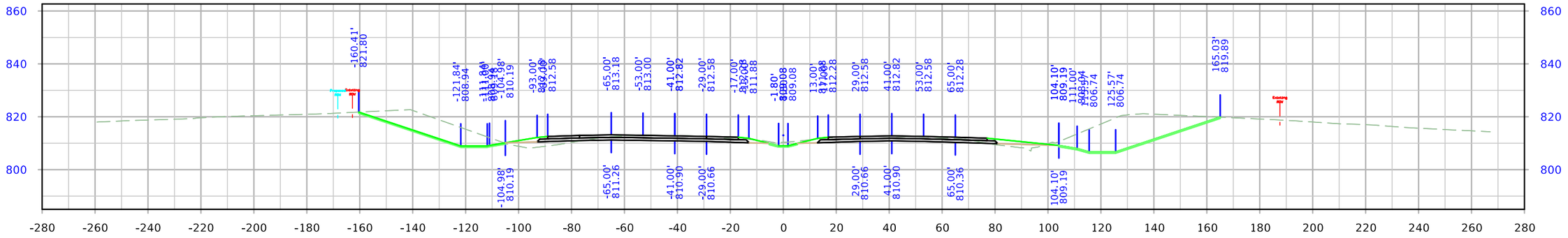
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.141

8:26:07 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

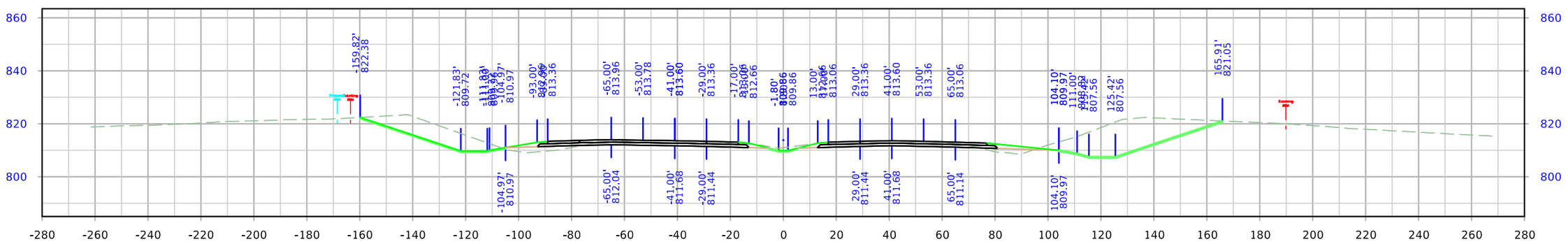
I-380



STA. 167+50.00



STA. 167+00.00

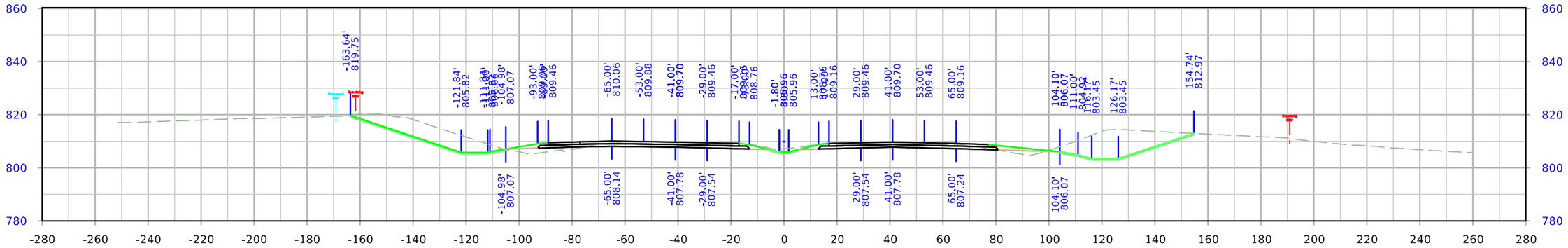


STA. 166+50.00

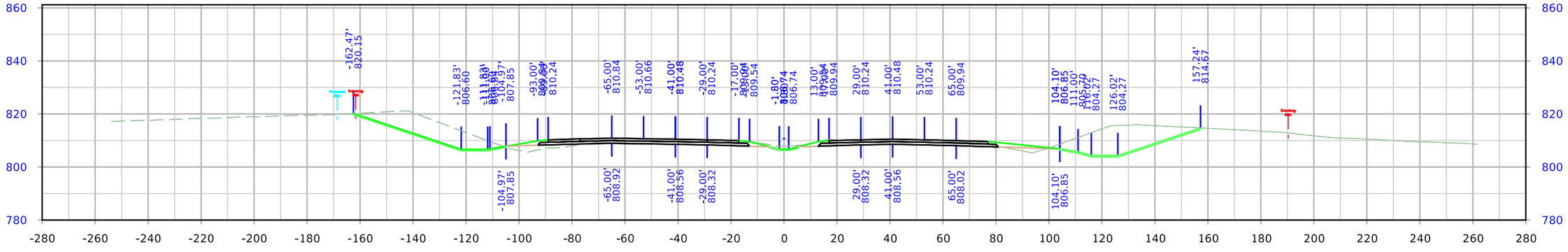
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.142

8:26:13 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

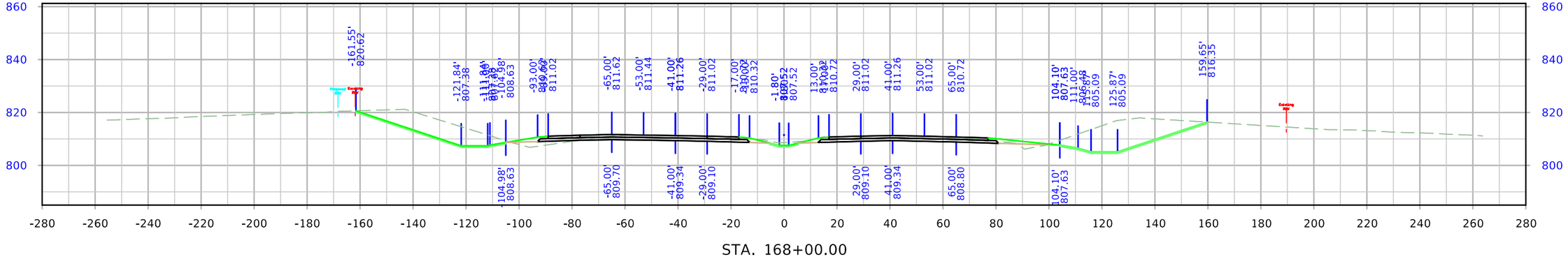
I-380



STA. 169+00.00



STA. 168+50.00

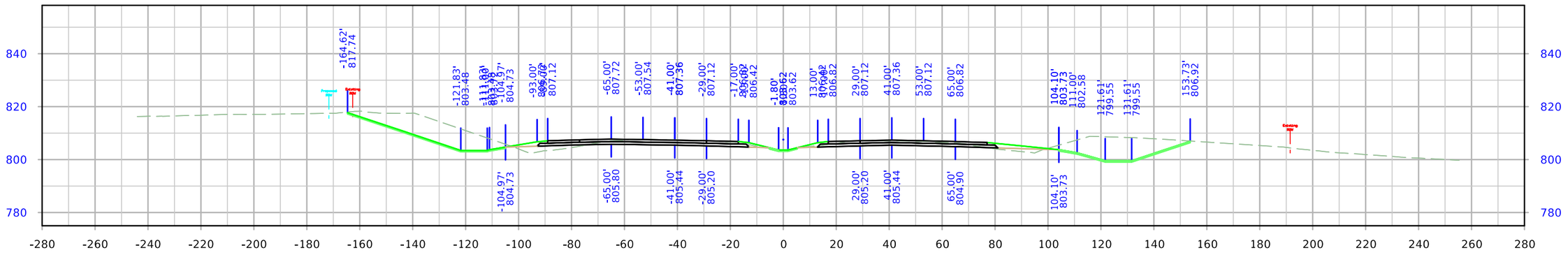


STA. 168+00.00

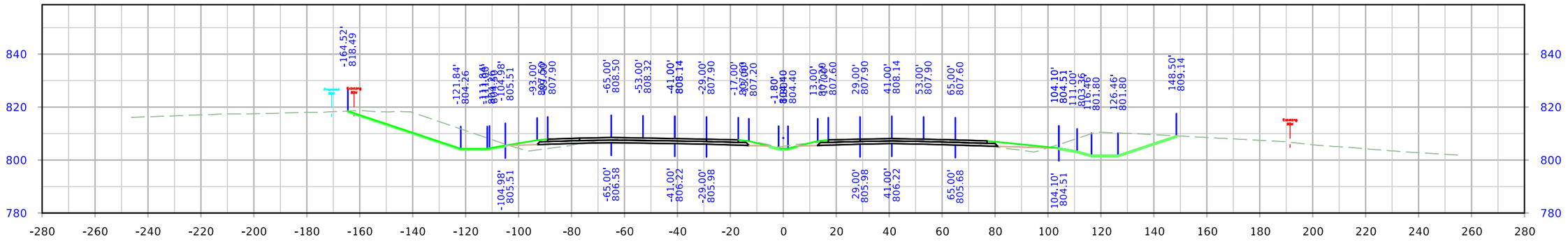
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.143

8:26:21 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

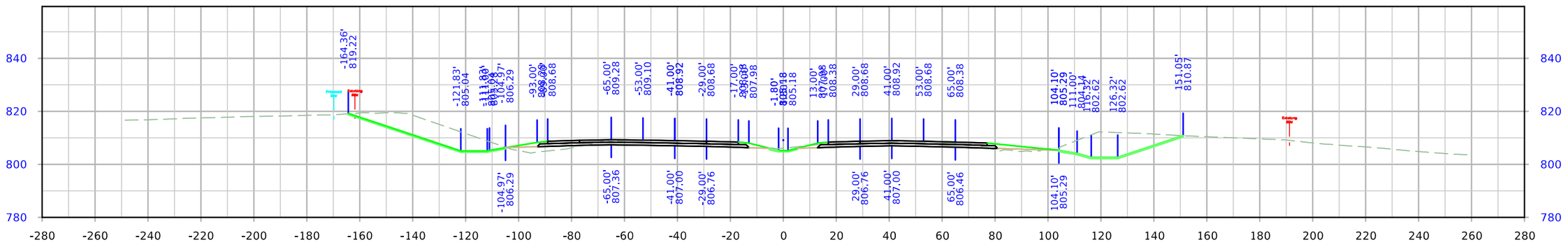
I-380



STA. 170+50.00



STA. 170+00.00

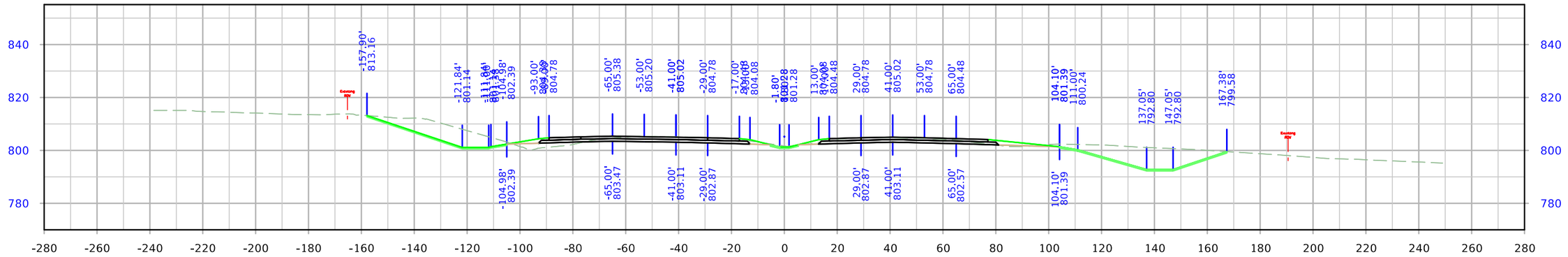


STA. 169+50.00

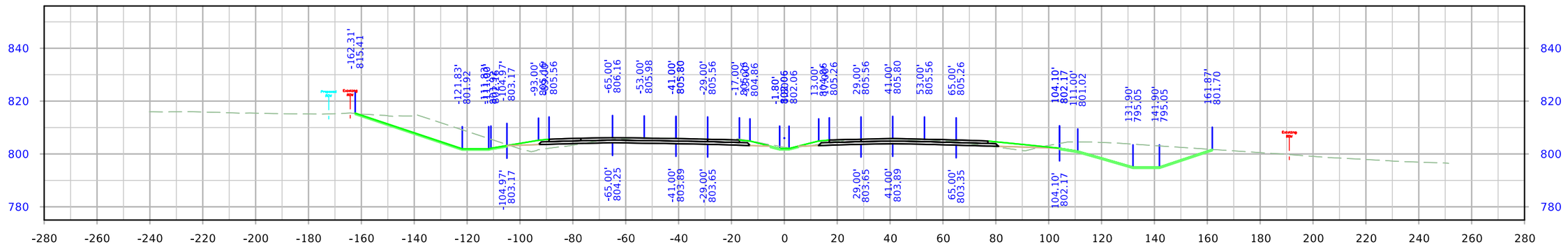
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.144

8:26:29 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

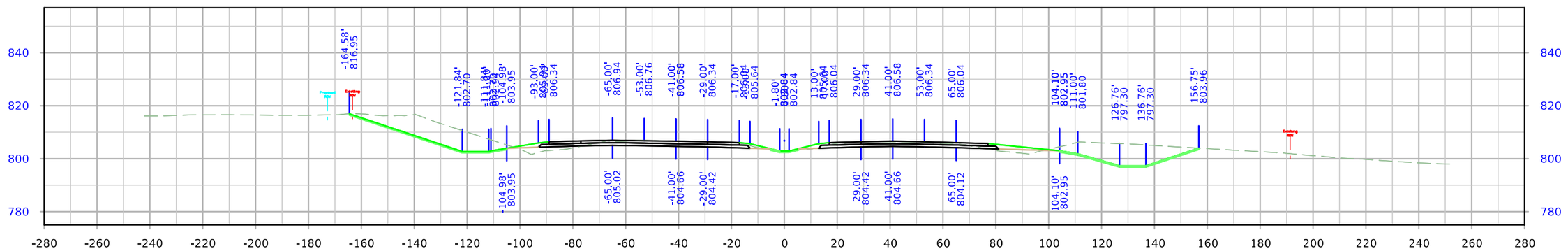
I-380



STA. 172+00.00



STA. 171+50.00

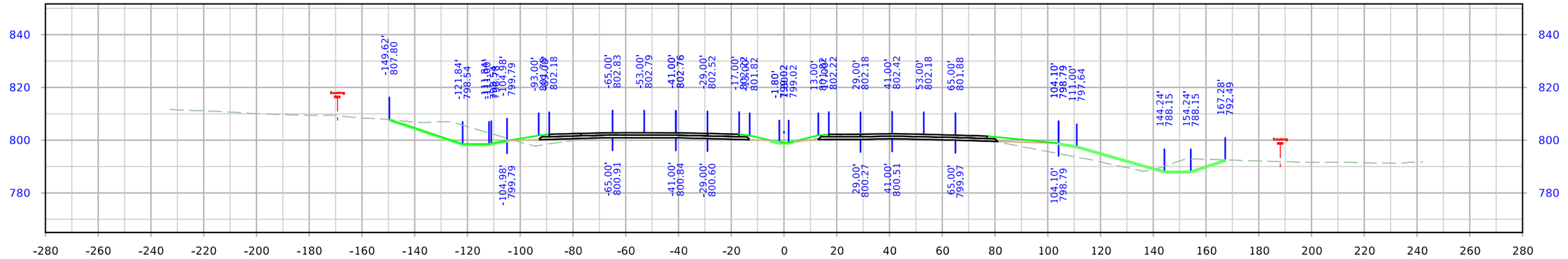


STA. 171+00.00

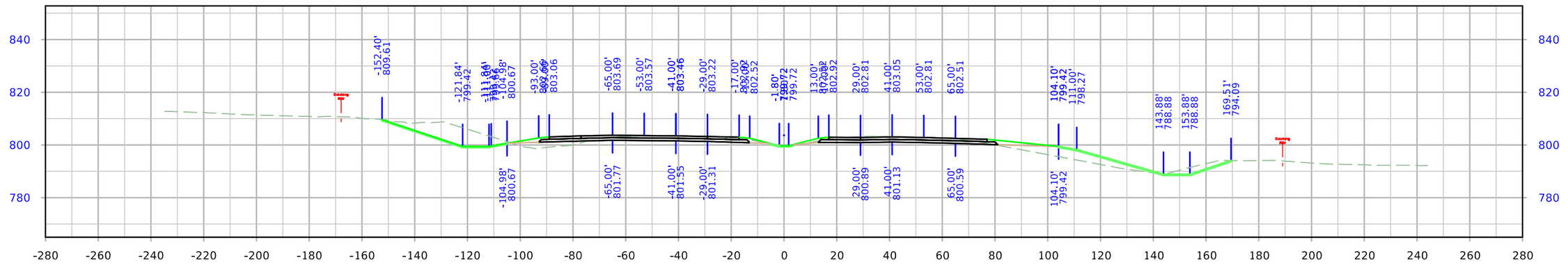
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.145

8:26:37 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

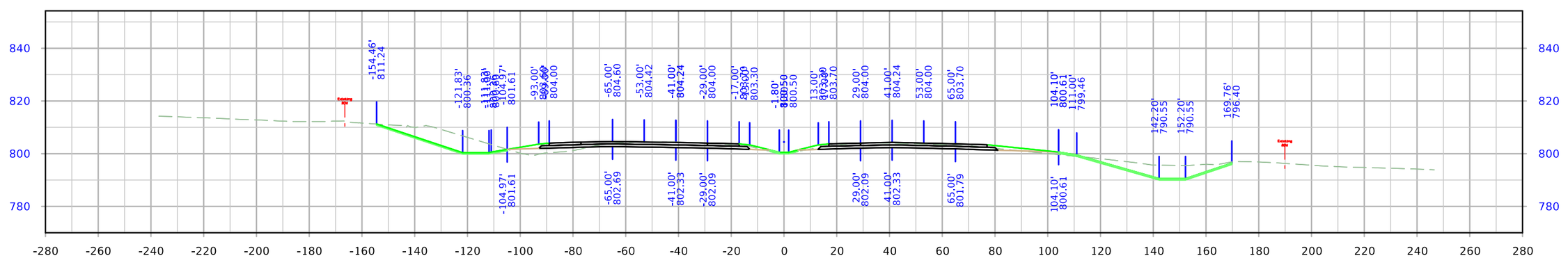
I-380



STA. 173+50.00



STA. 173+00.00

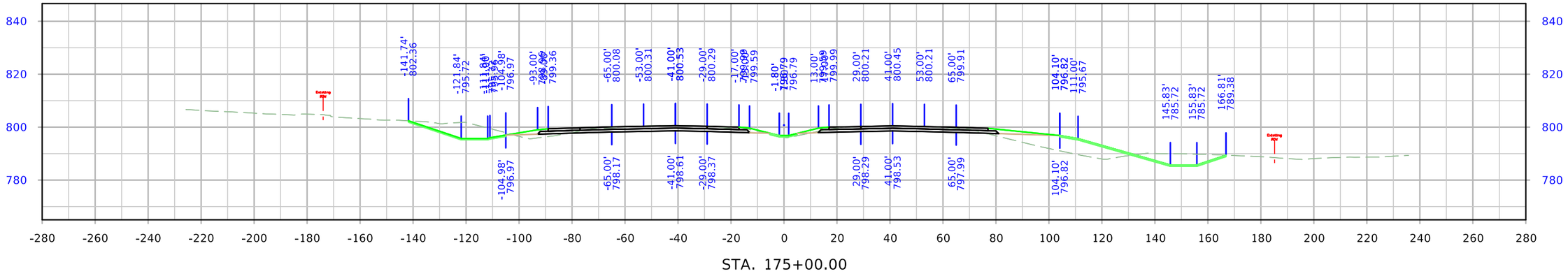


STA. 172+50.00

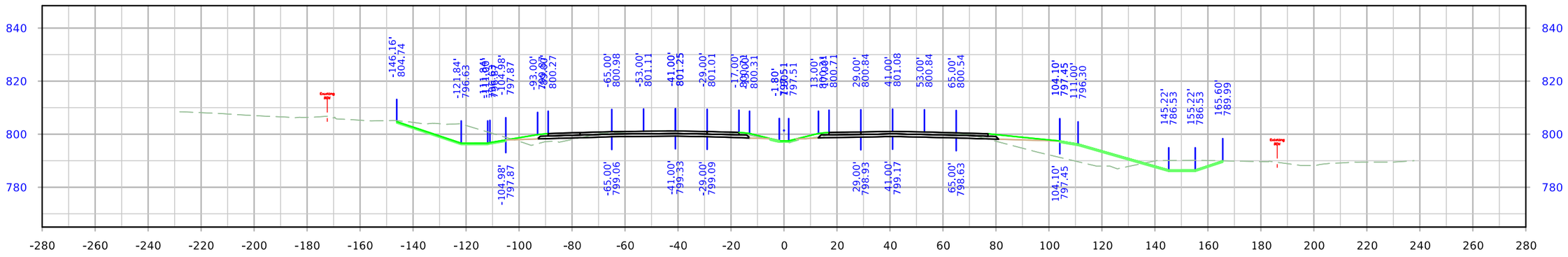
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.146

8:26:45 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

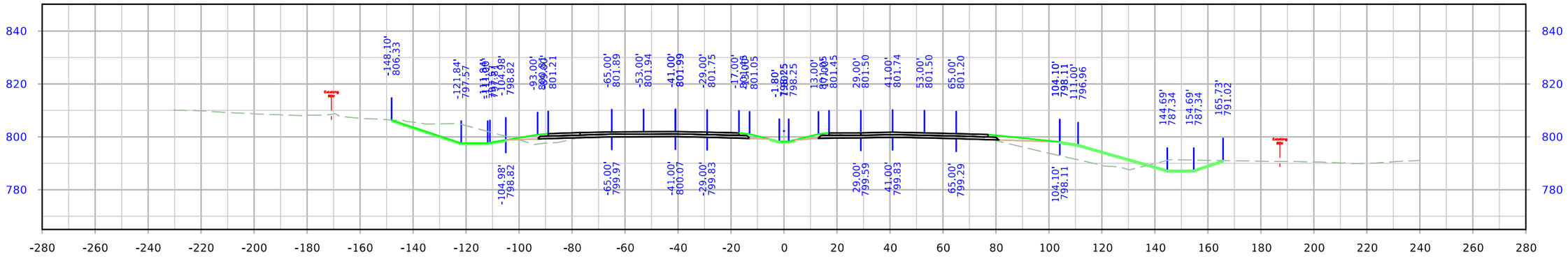
I-380



STA. 175+00.00



STA. 174+50.00

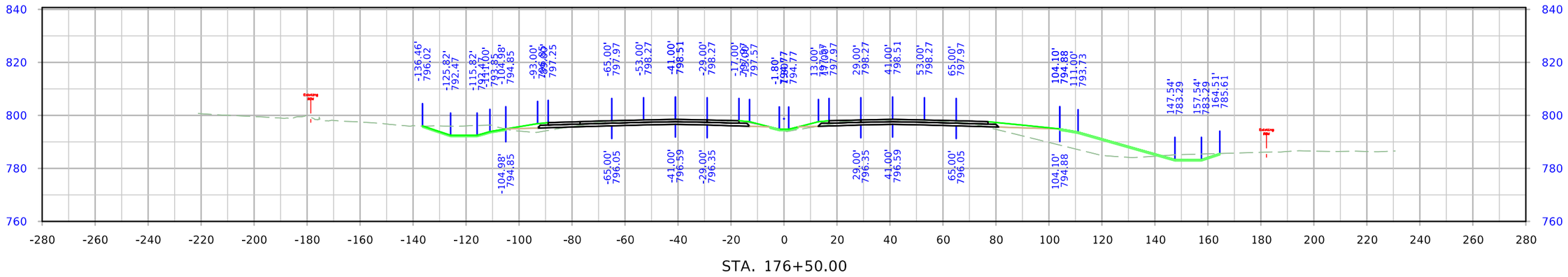


STA. 174+00.00

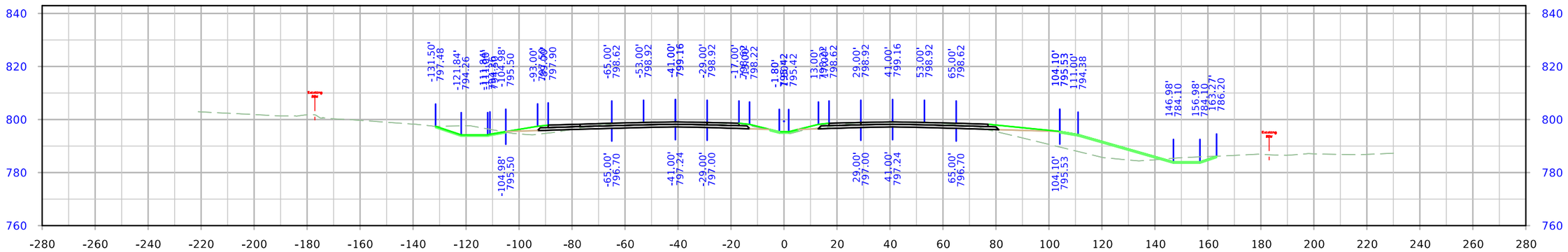
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.147

8:26:53 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

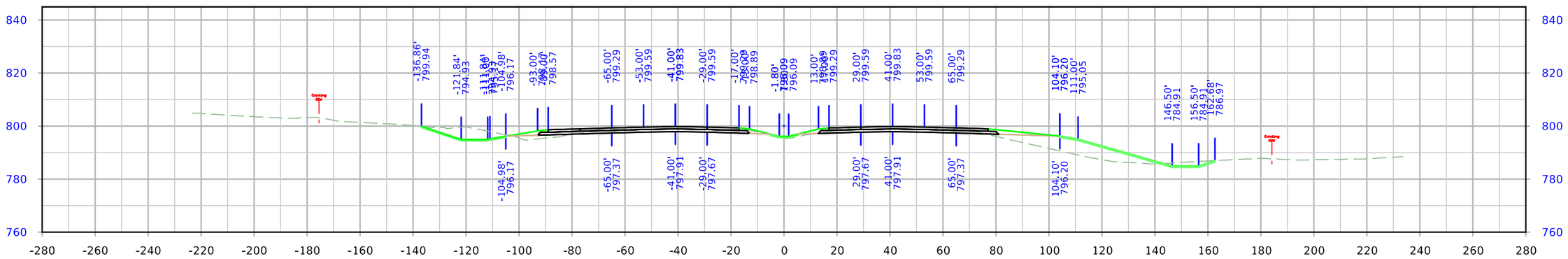
I-380



STA. 176+50.00



STA. 176+00.00

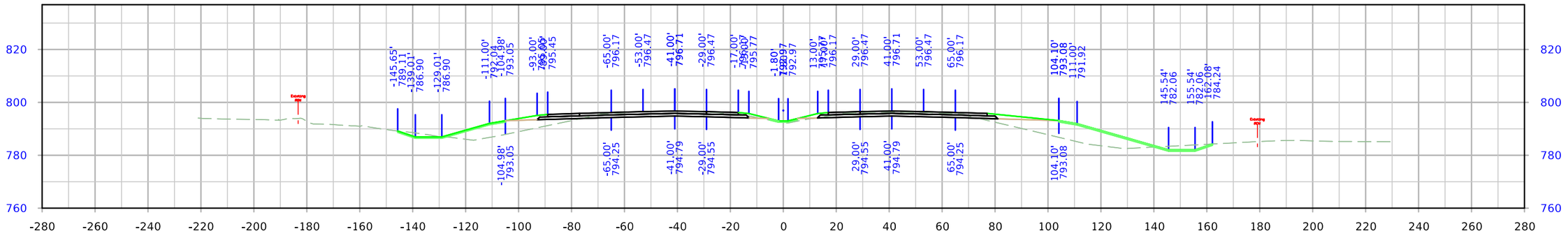


STA. 175+50.00

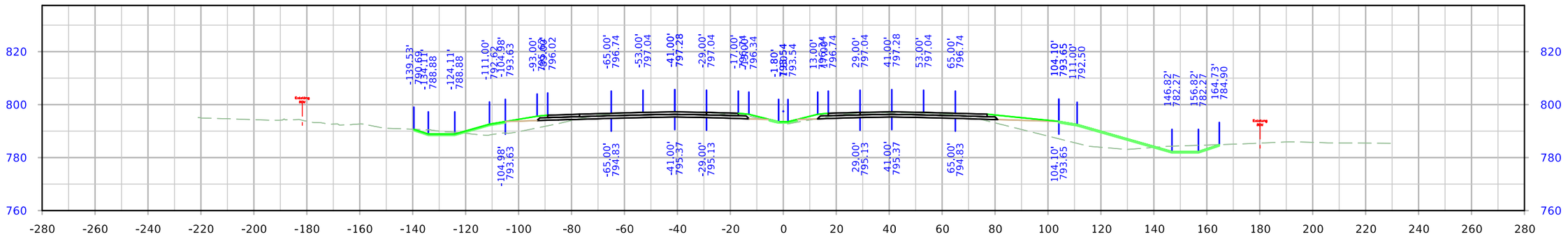
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.148

8:27:01 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

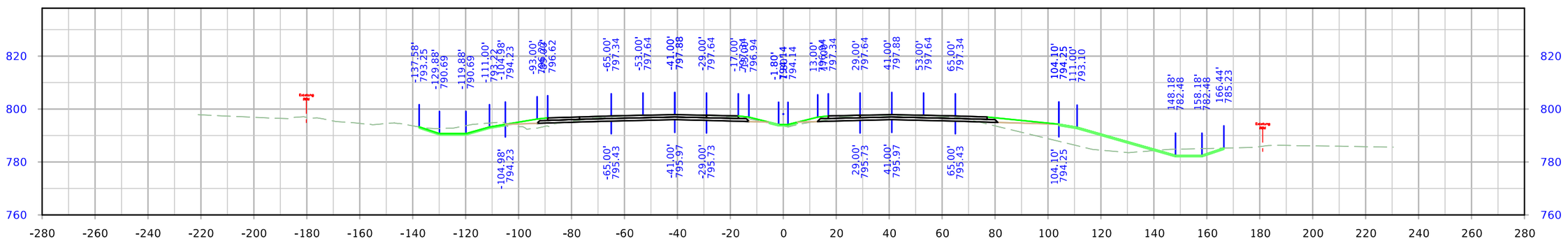
I-380



STA. 178+00.00



STA. 177+50.00

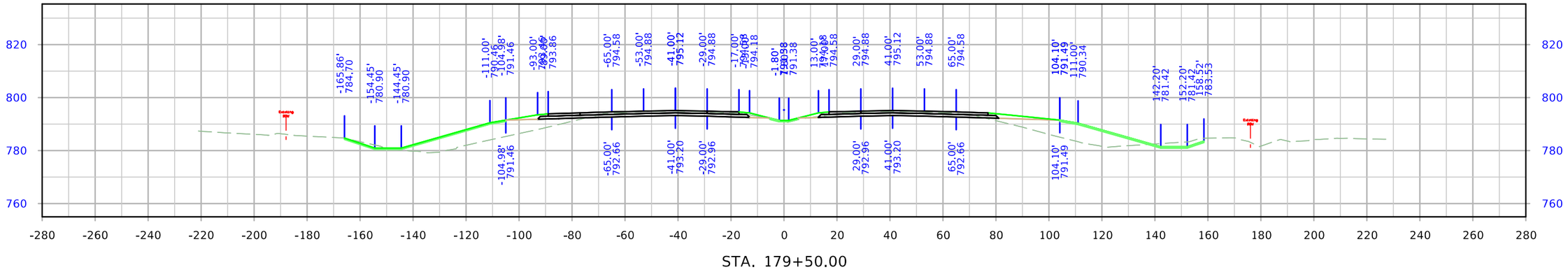


STA. 177+00.00

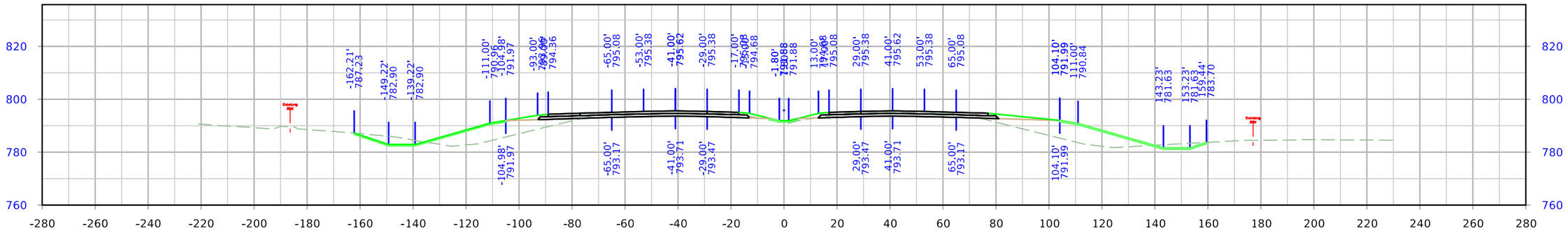
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.149

8:27:11 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

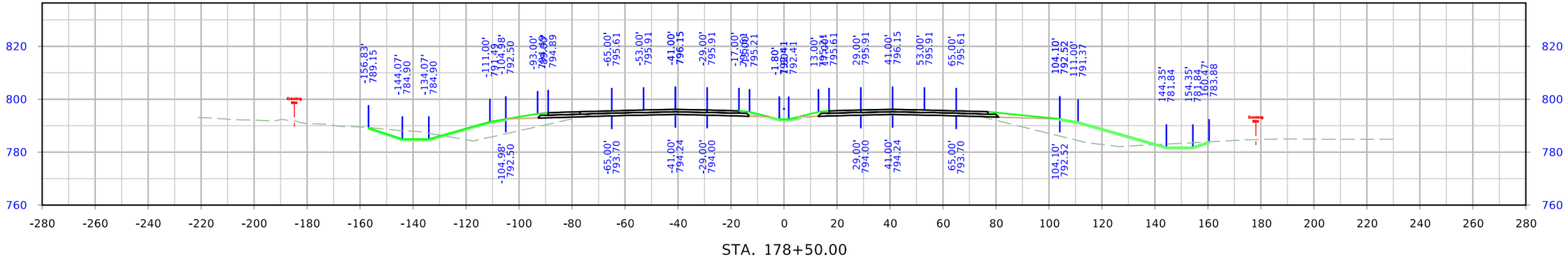
I-380



STA. 179+50.00



STA. 179+00.00

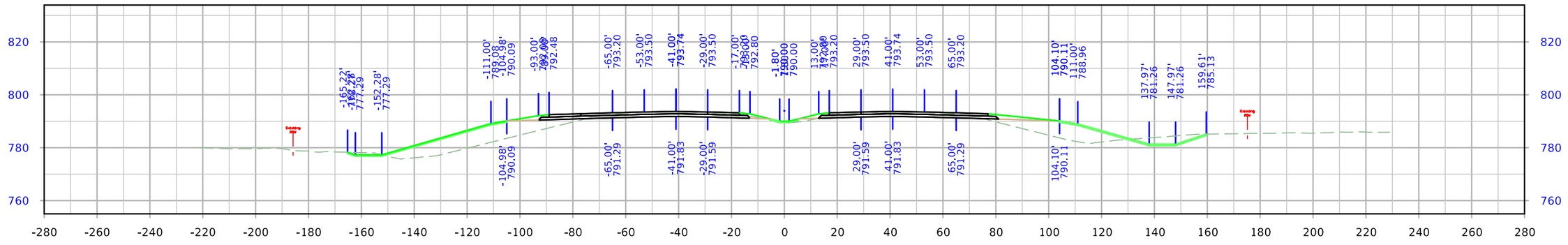


STA. 178+50.00

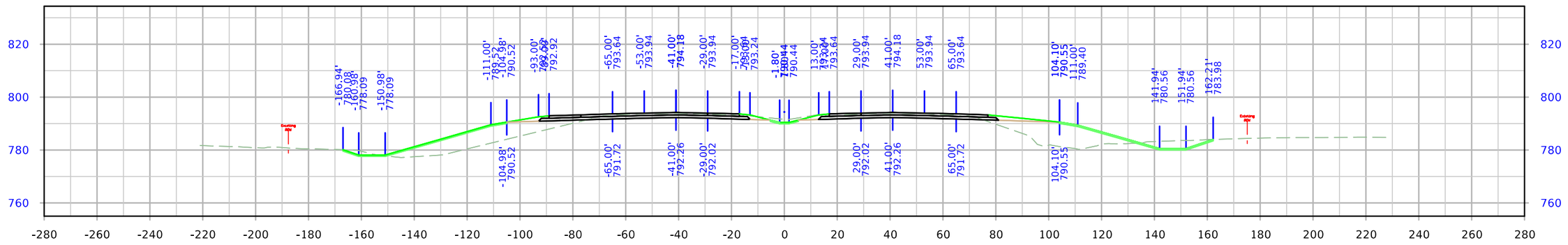
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.150

8:27:19 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

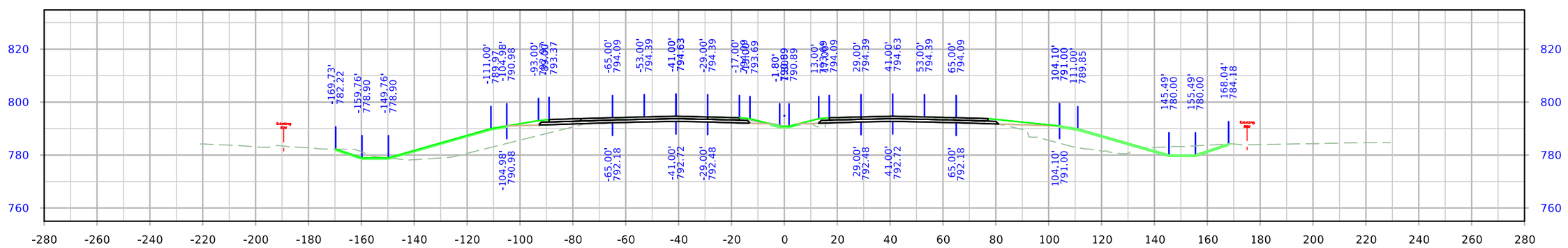
I-380



STA. 181+00.00



STA. 180+50.00

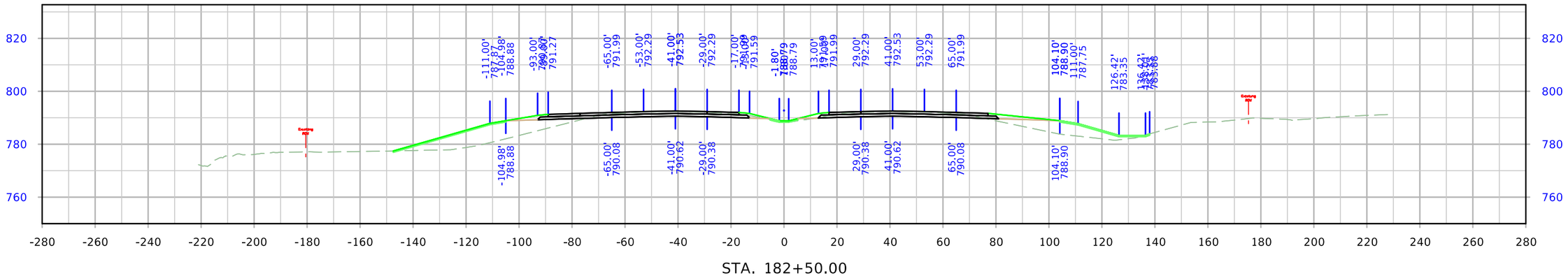


STA. 180+00.00

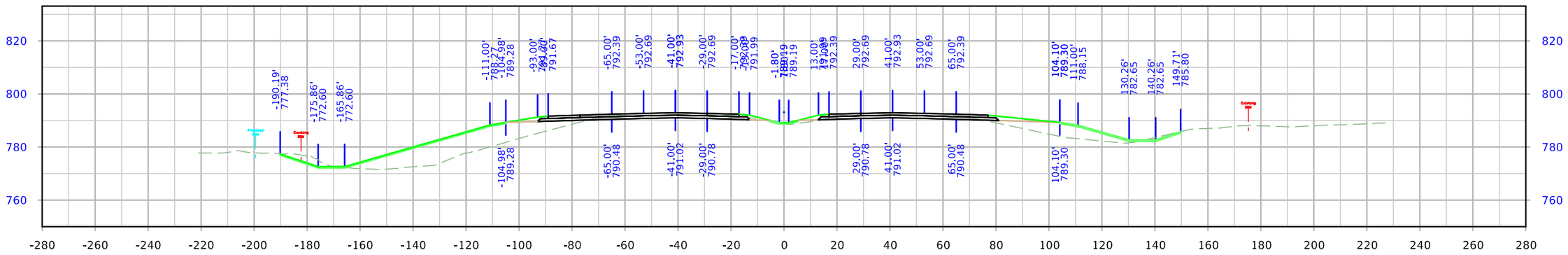
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.151

8:27:27 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

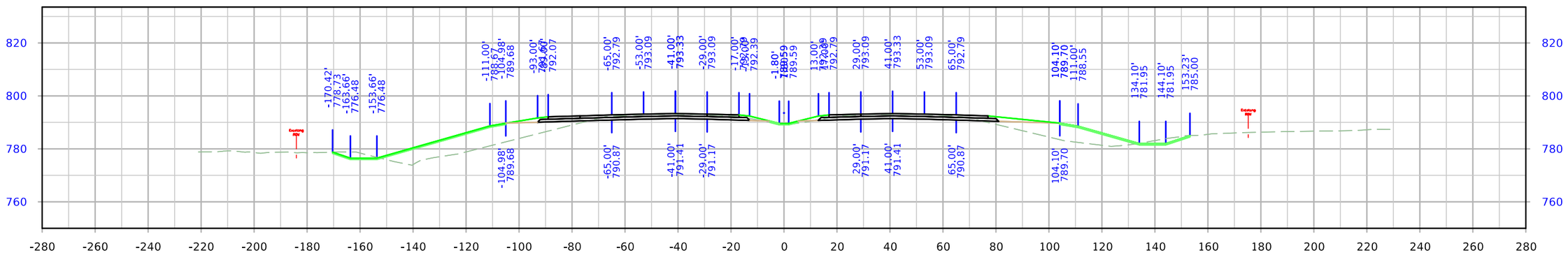
I-380



STA. 182+50.00



STA. 182+00.00

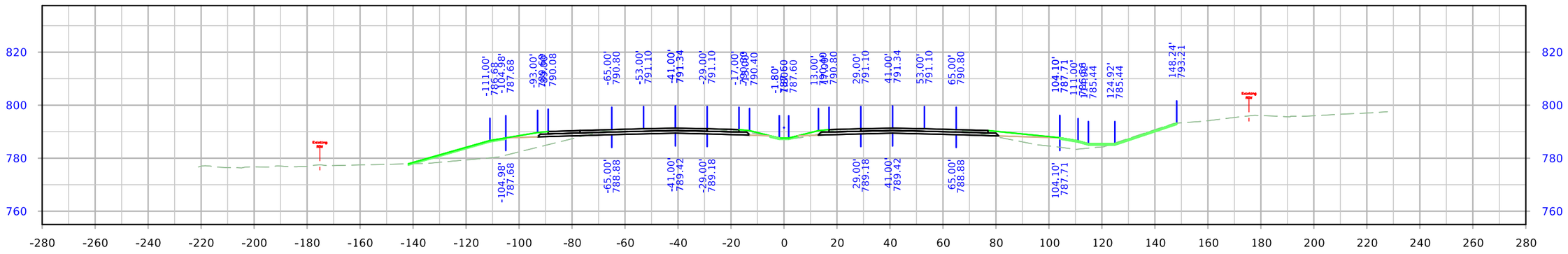


STA. 181+50.00

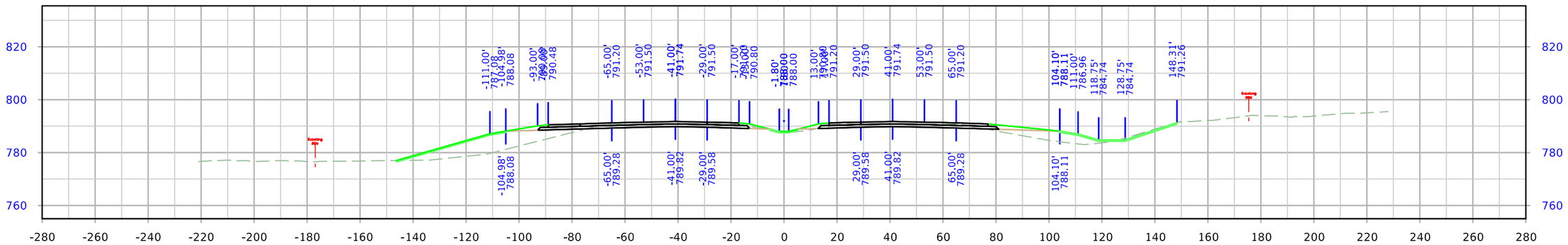
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.152

8:27:34 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

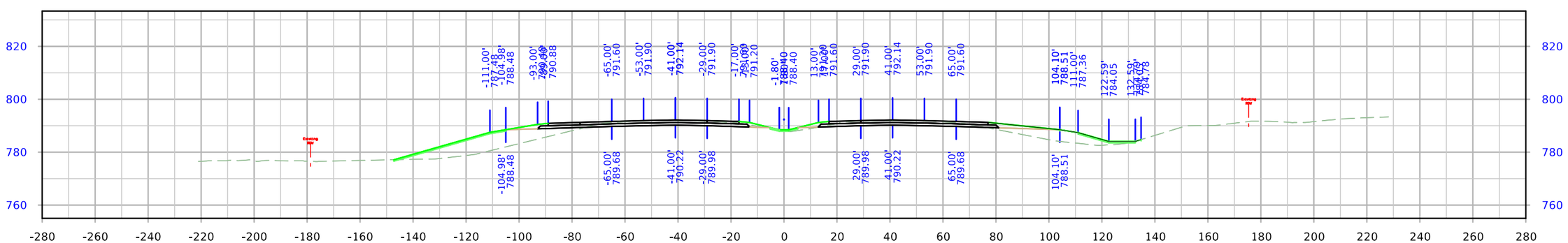
I-380



STA. 184+00.00



STA. 183+50.00

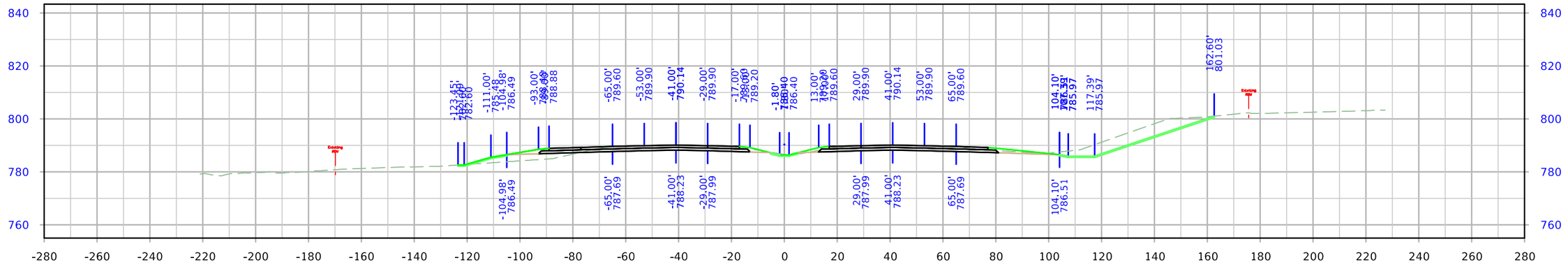


STA. 183+00.00

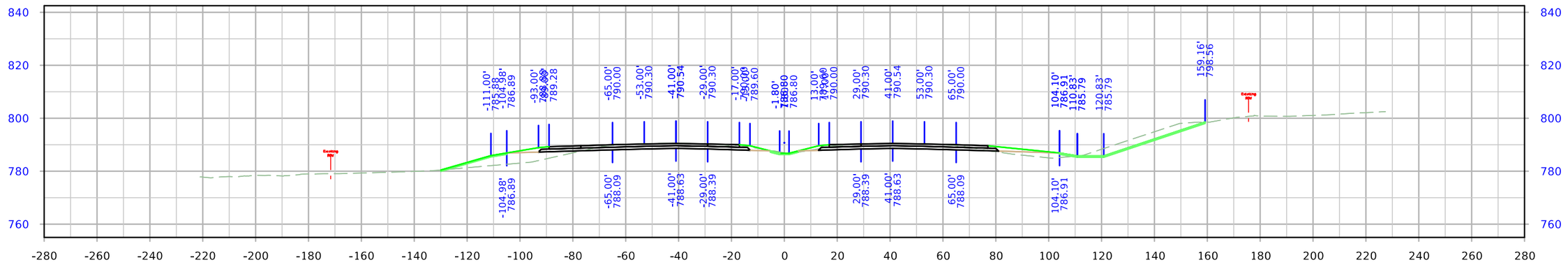
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.153

8:27:43 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

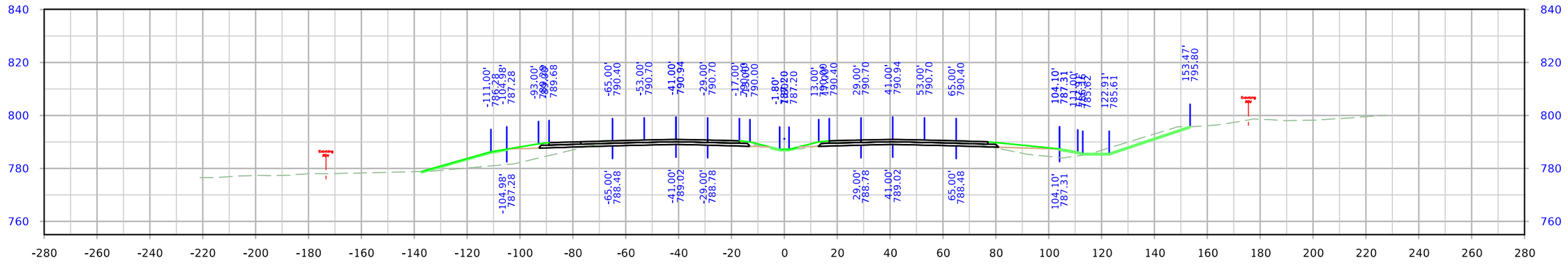
I-380



STA. 185+50.00



STA. 185+00.00

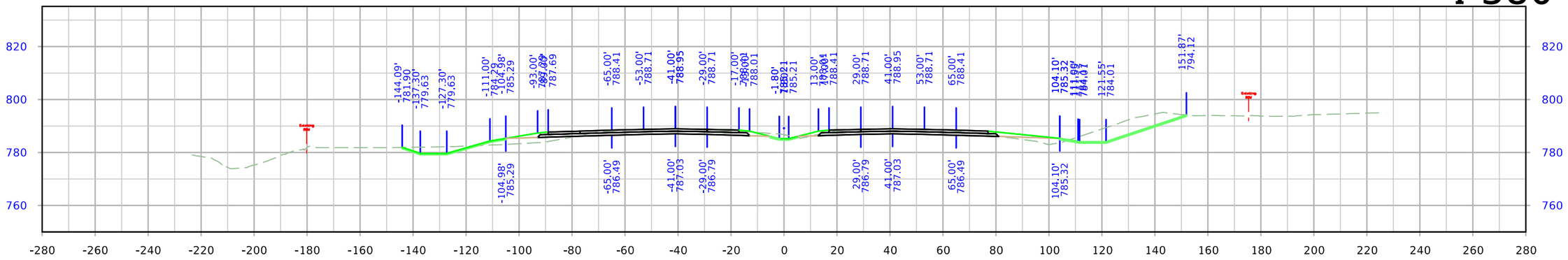


STA. 184+50.00

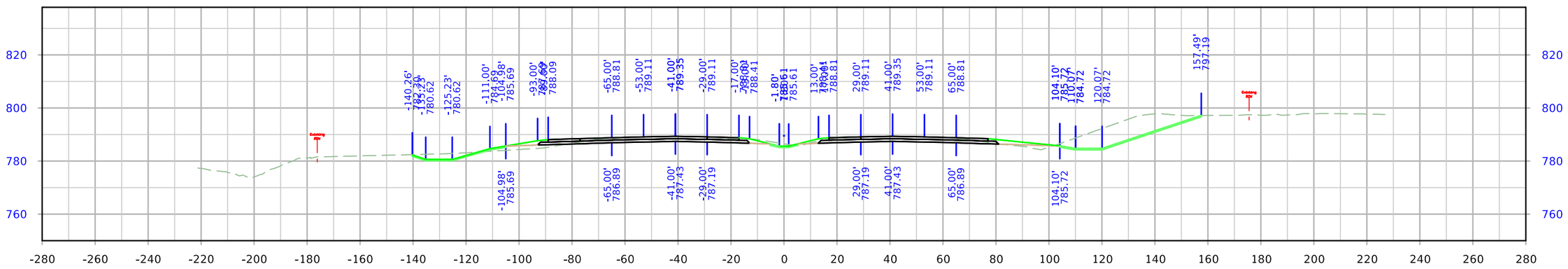
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.154

8:27:51 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

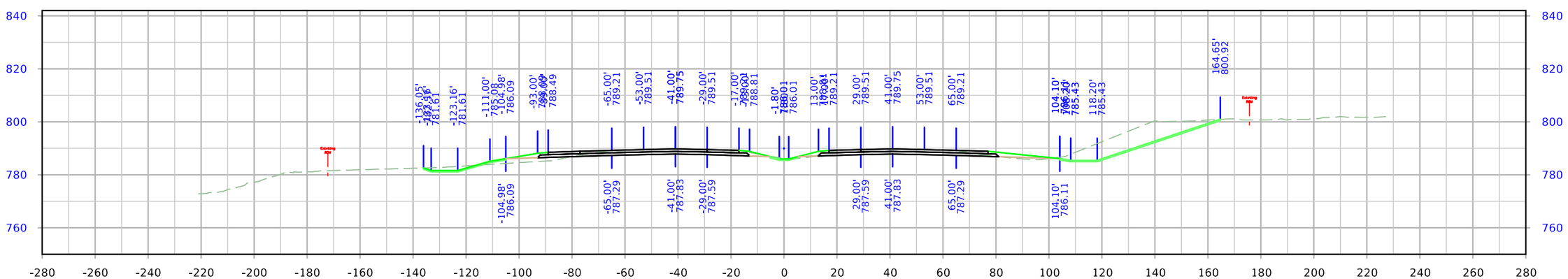
I-380



STA. 187+00.00



STA. 186+50.00

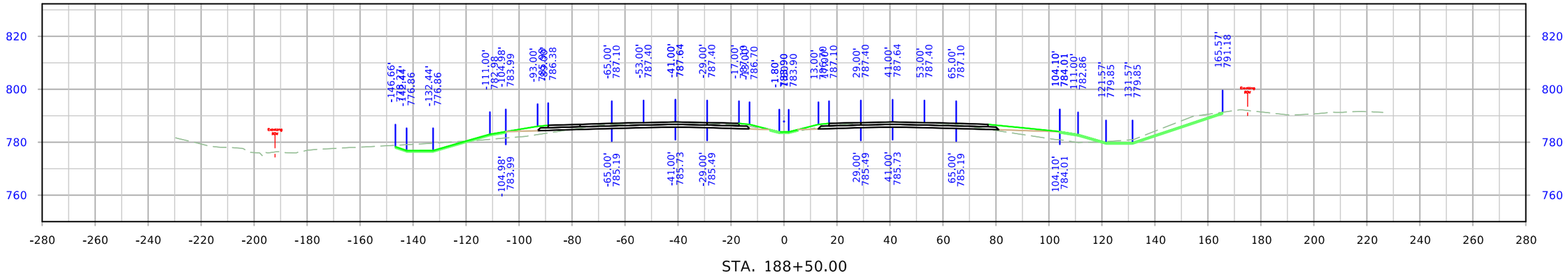


STA. 186+00.00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.155

8:28:00 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

I-380



STA. 188+50.00

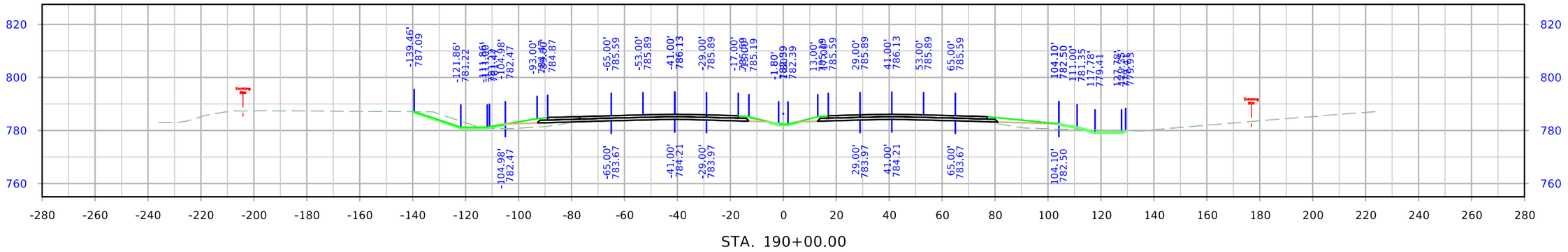
STA. 188+00.00

STA. 187+50.00

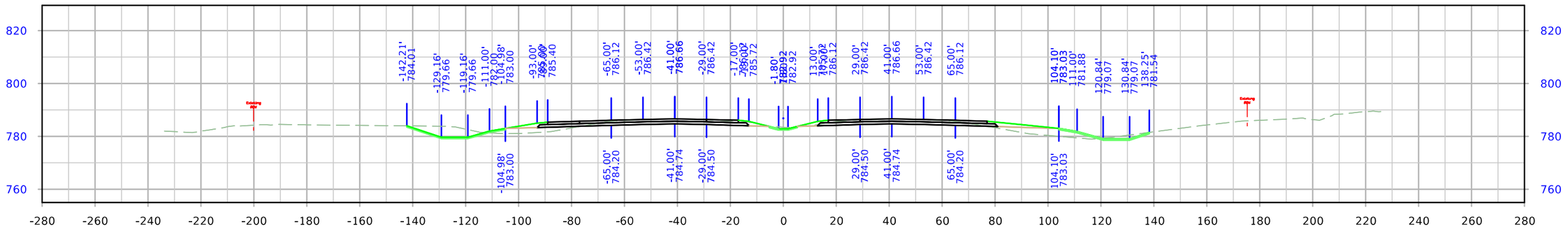
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.156

8:28:08 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

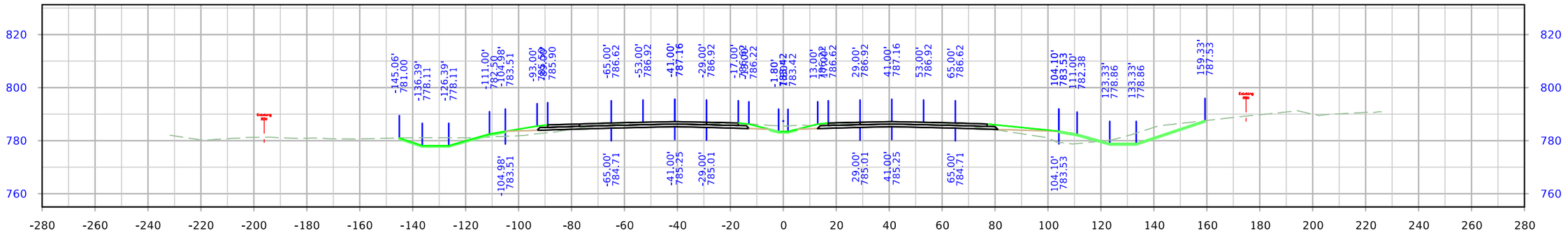
I-380



STA. 190+00.00



STA. 189+50.00

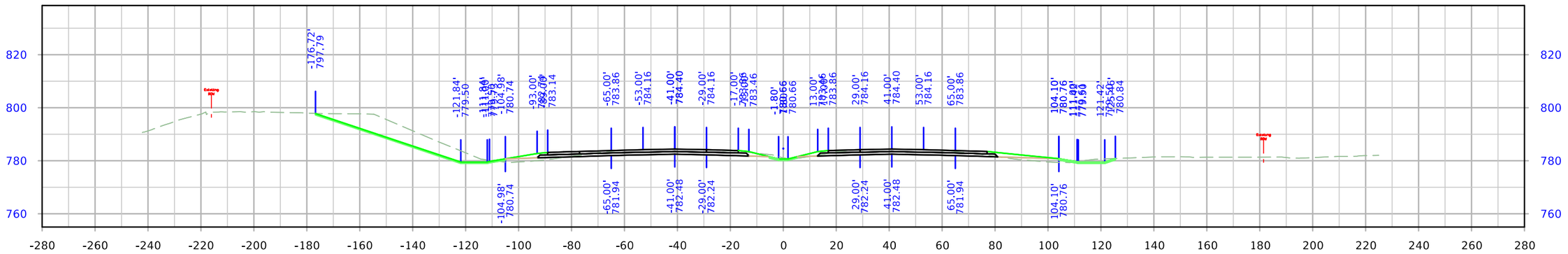


STA. 189+00.00

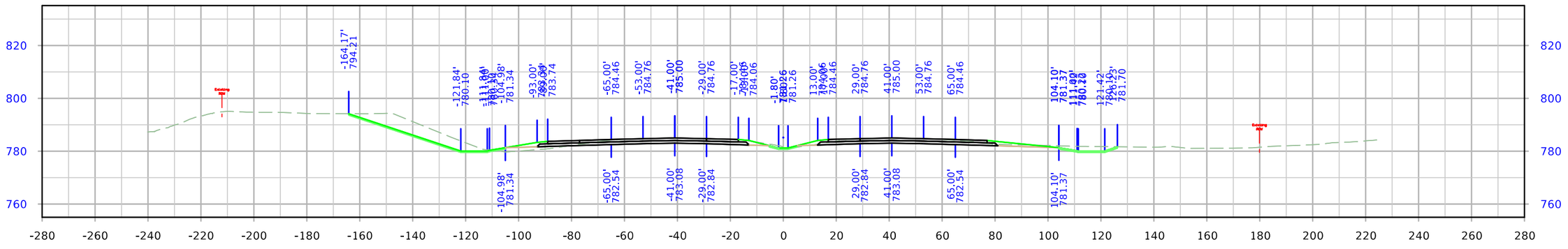
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.157

8:28:16 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

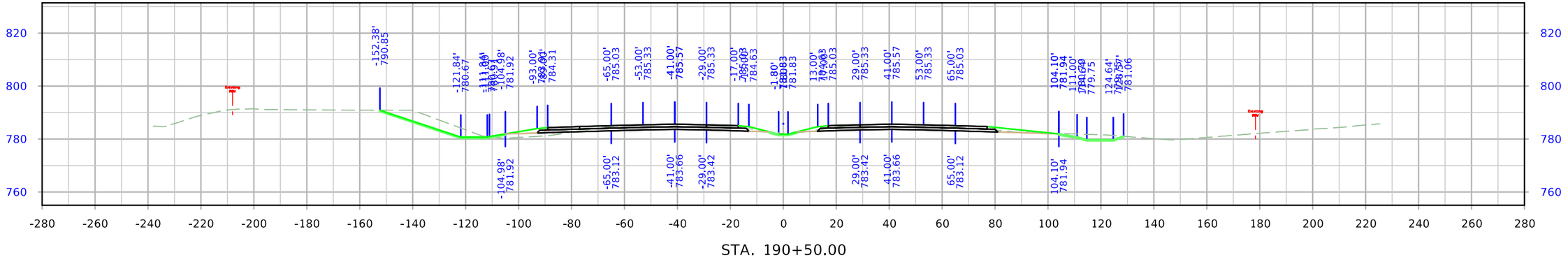
I-380



STA. 191+50.00



STA. 191+00.00

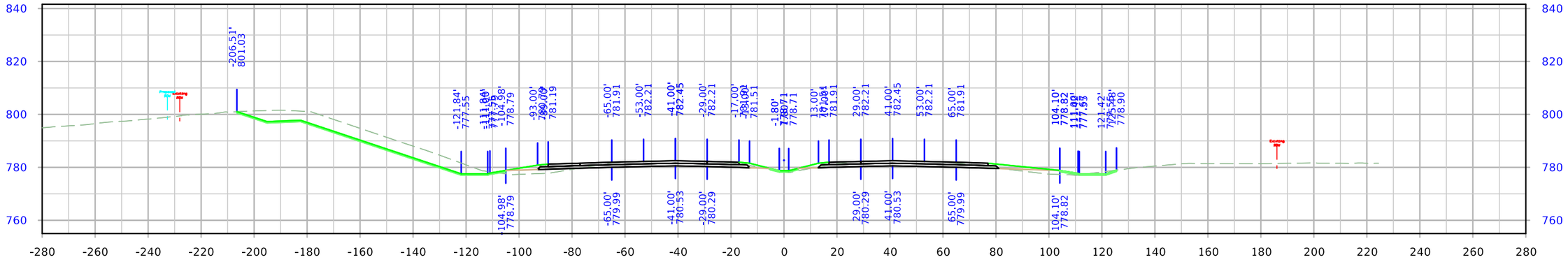


STA. 190+50.00

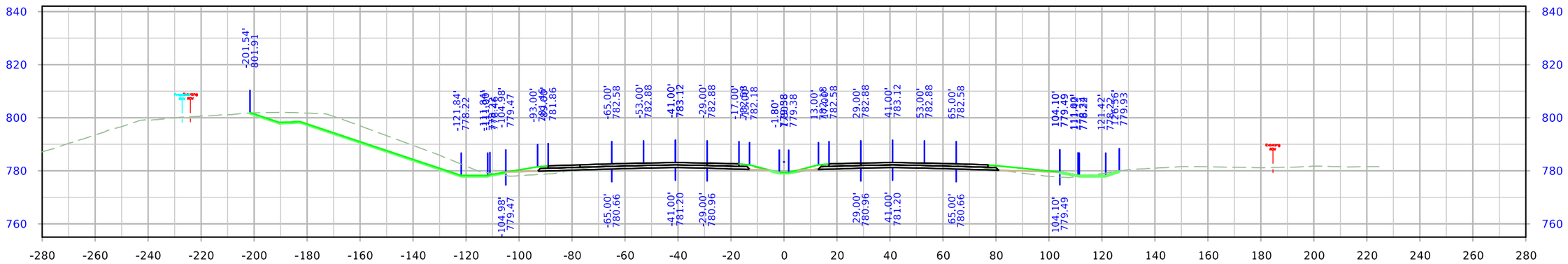
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.158

8:28:23 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

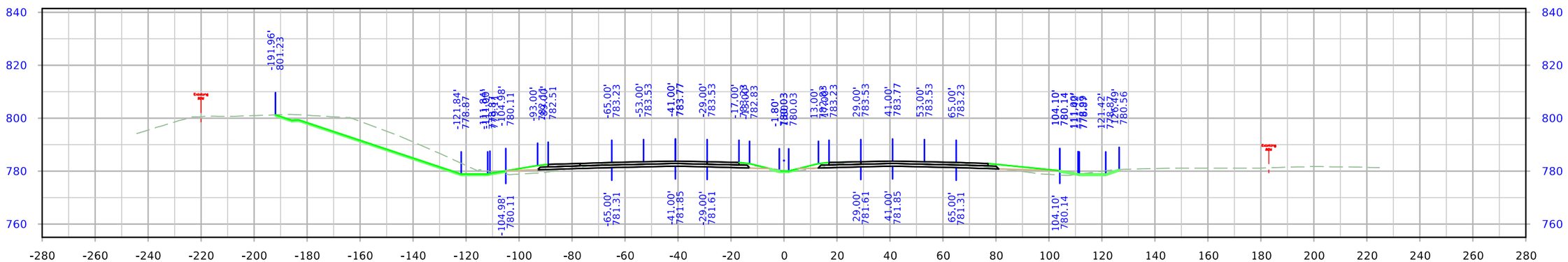
I-380



STA. 193+00.00



STA. 192+50.00

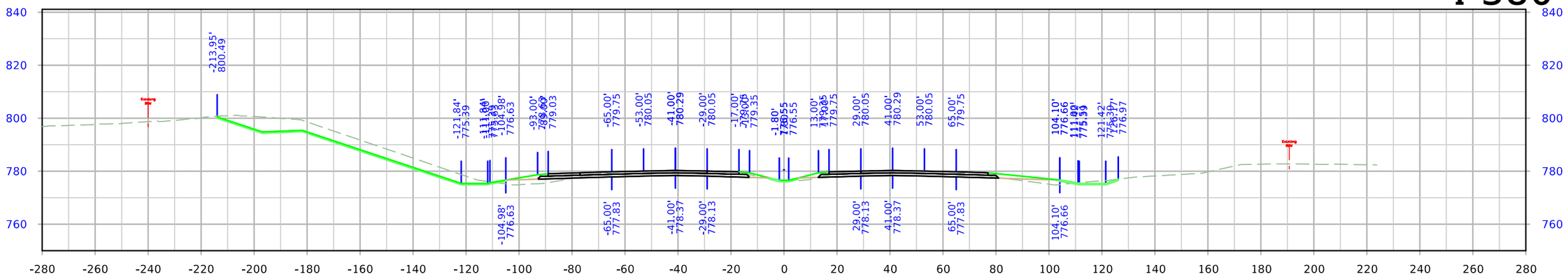


STA. 192+00.00

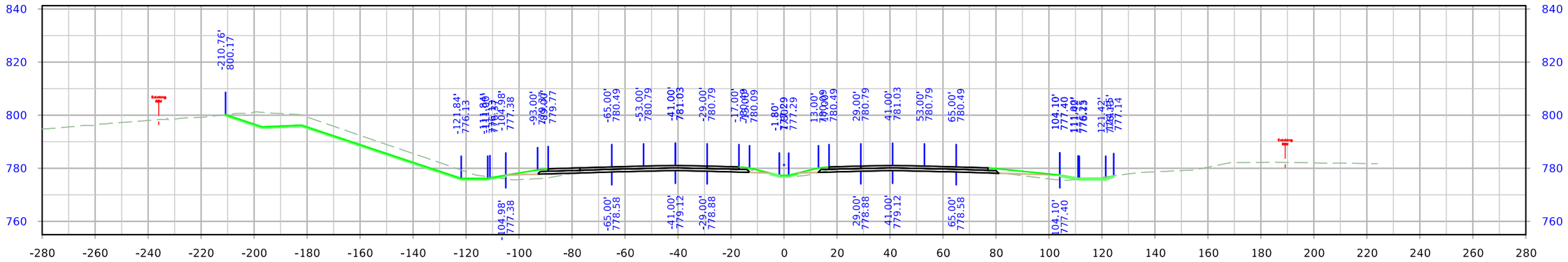
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.159

8:28:31 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

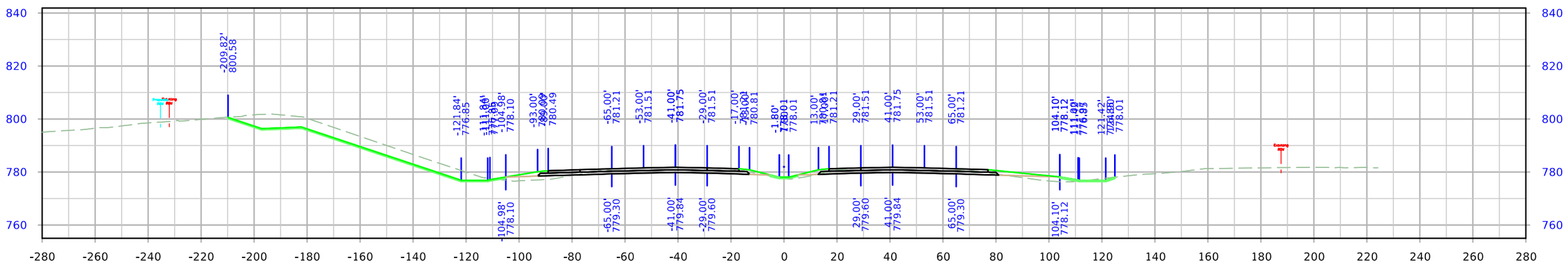
I-380



STA. 194+50.00



STA. 194+00.00

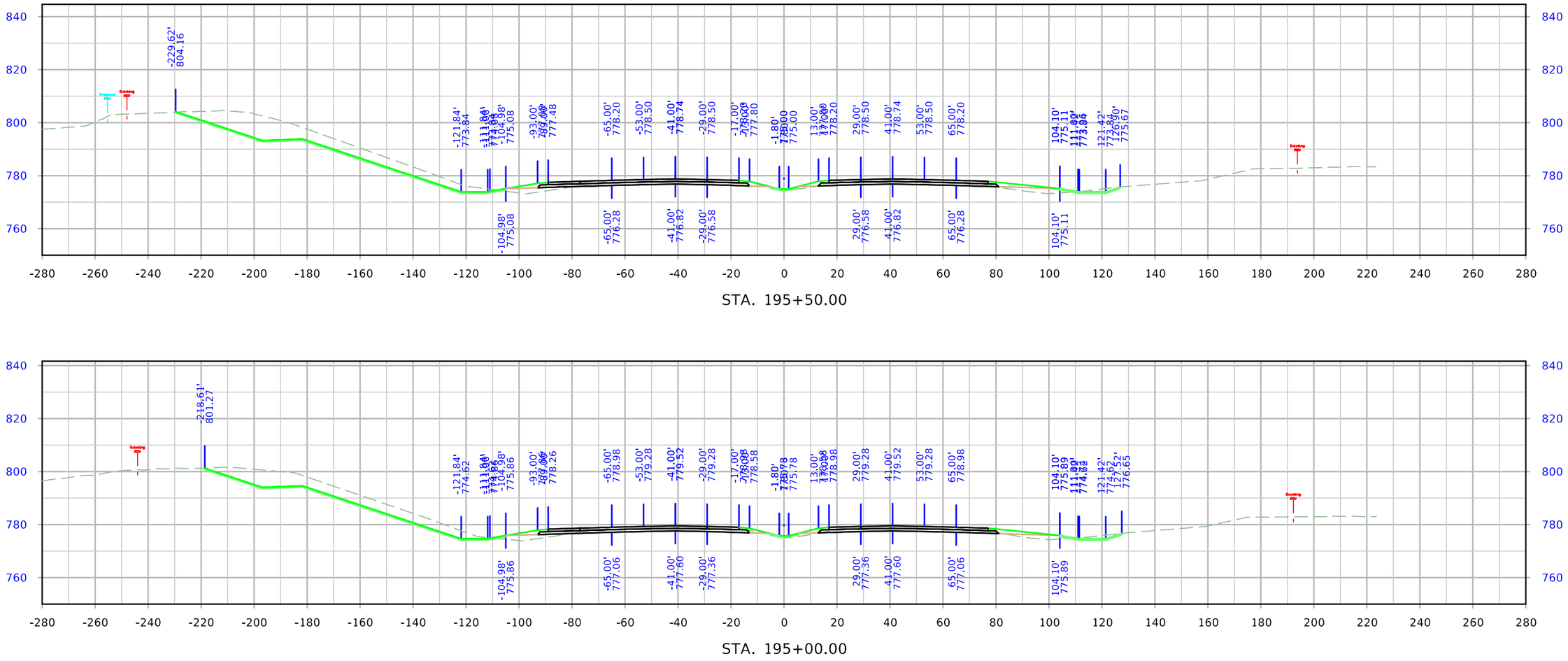


STA. 193+50.00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.160

8:28:38 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

I-380



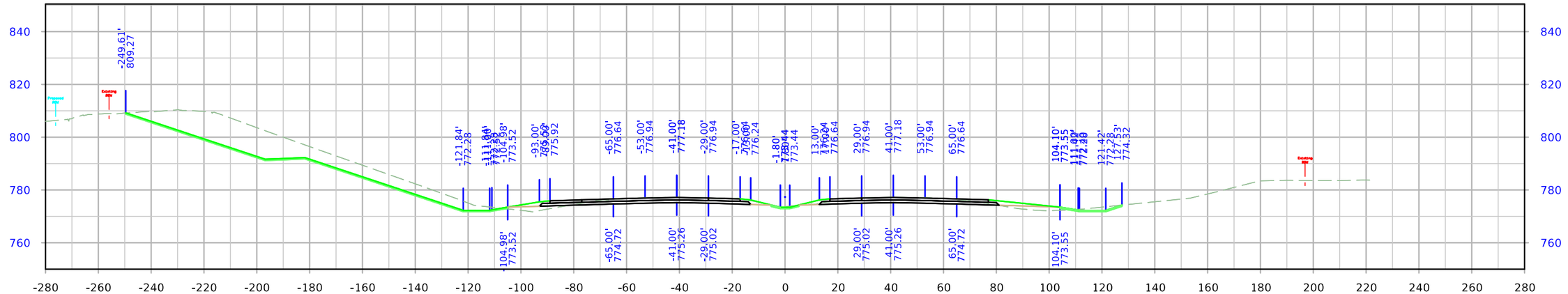
STA. 195+50.00

STA. 195+00.00

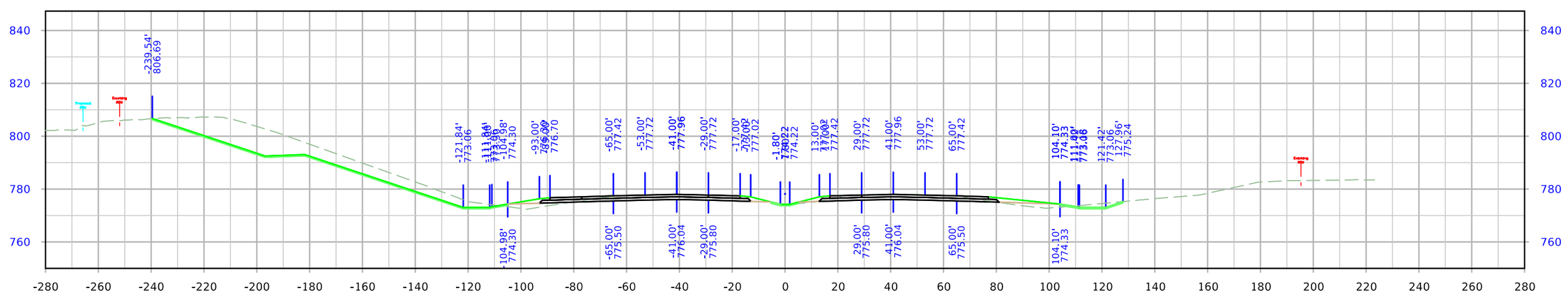
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.161

8:28:45 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

I-380



STA. 196+50.00

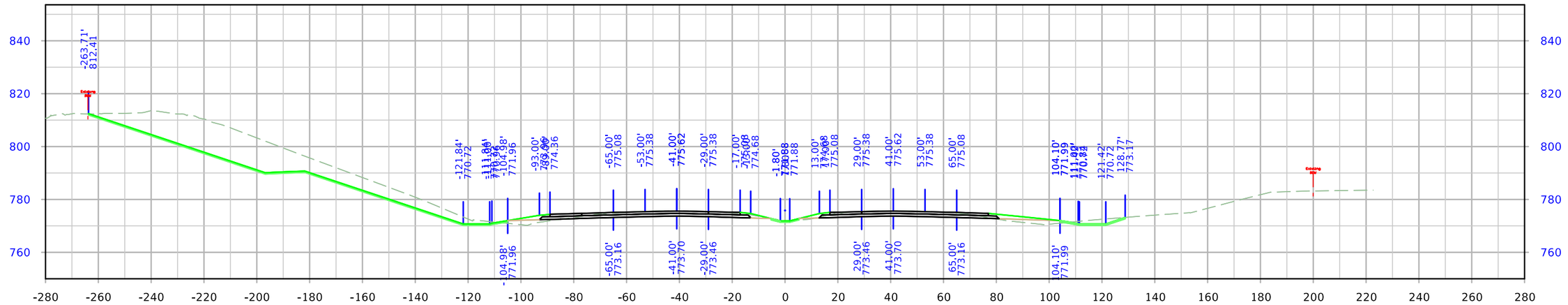


STA. 196+00.00

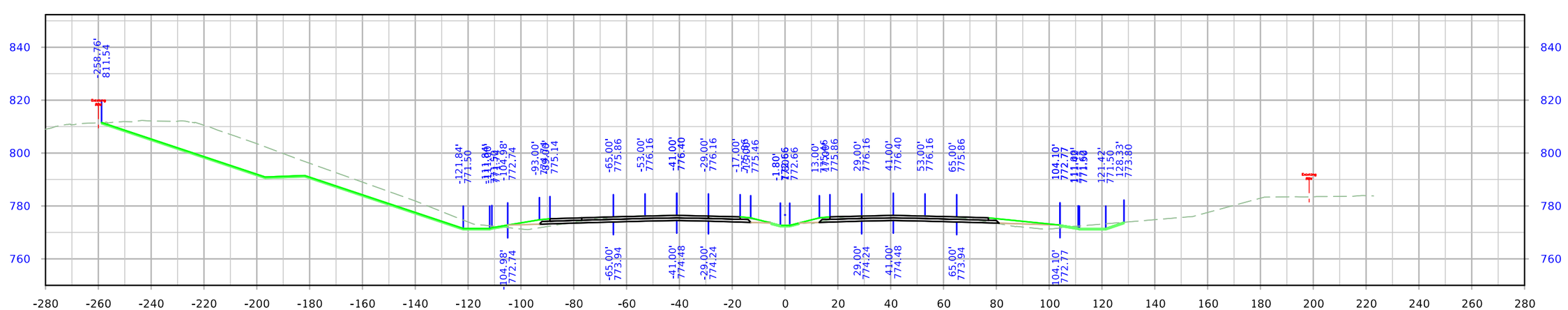
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.162

8:28:51 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

I-380



STA. 197+50.00

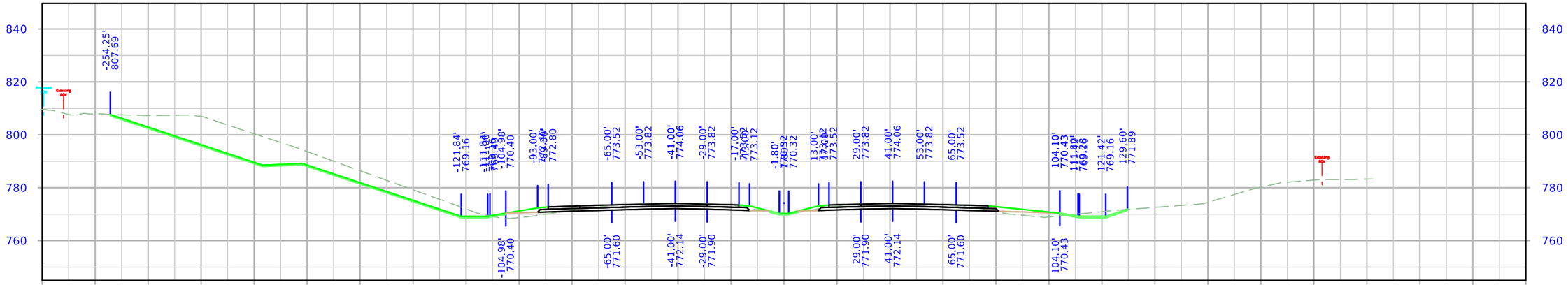


STA. 197+00.00

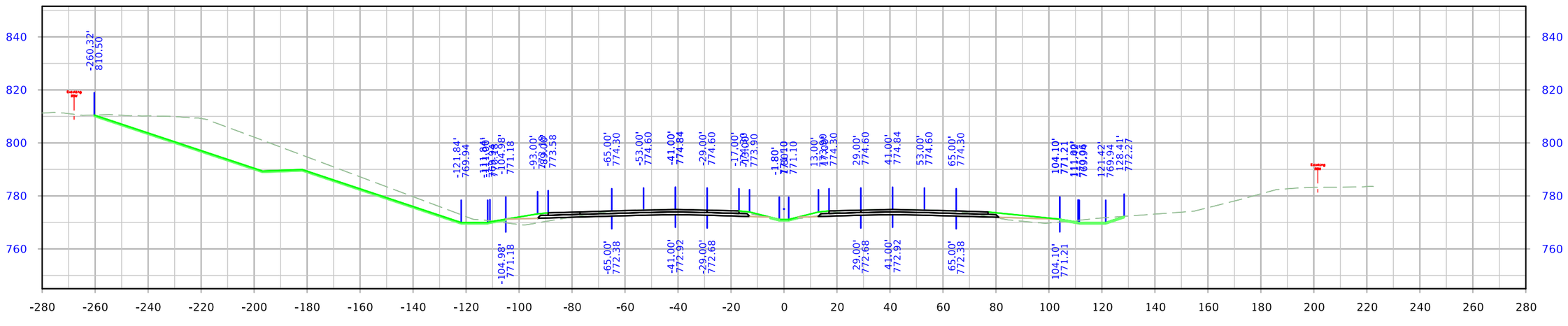
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.163

8:28:57 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

I-380



STA. 198+50.00

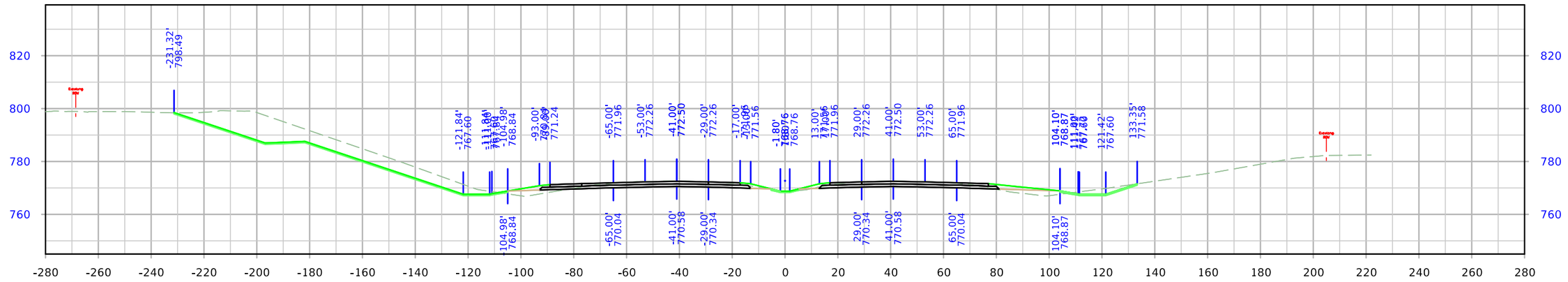


STA. 198+00.00

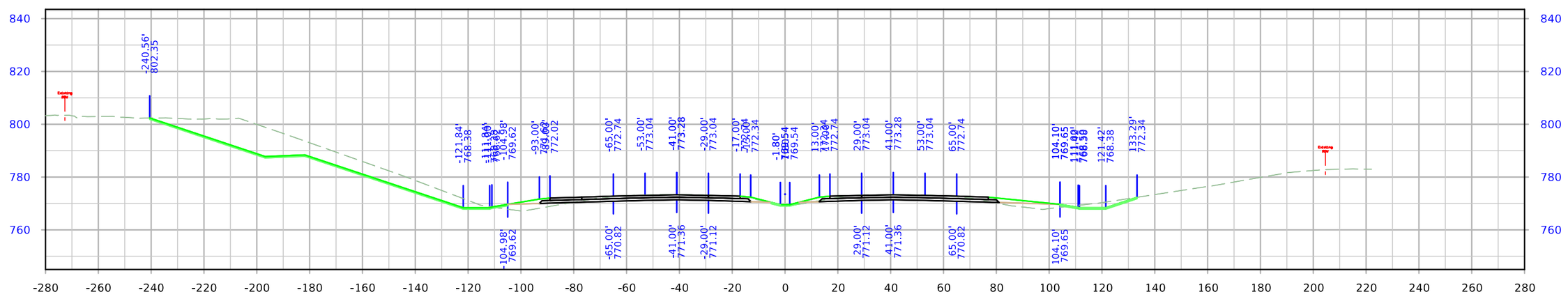
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.164

8:29:04 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

I-380



STA. 199+50.00

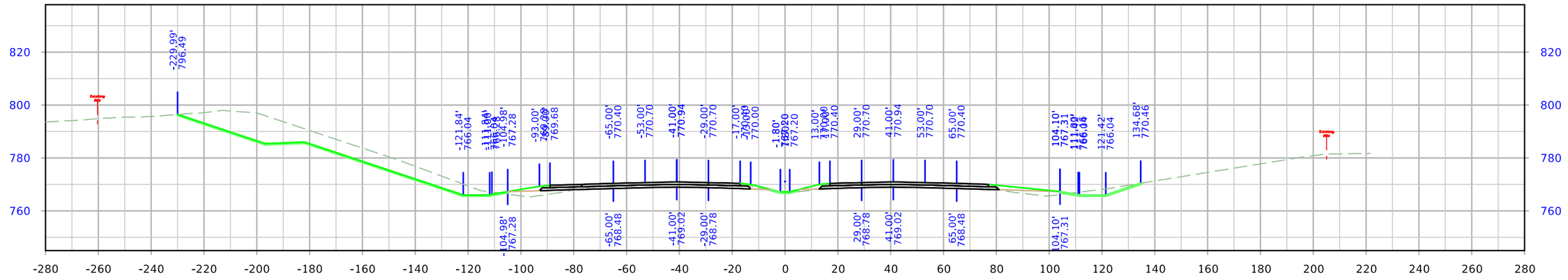


STA. 199+00.00

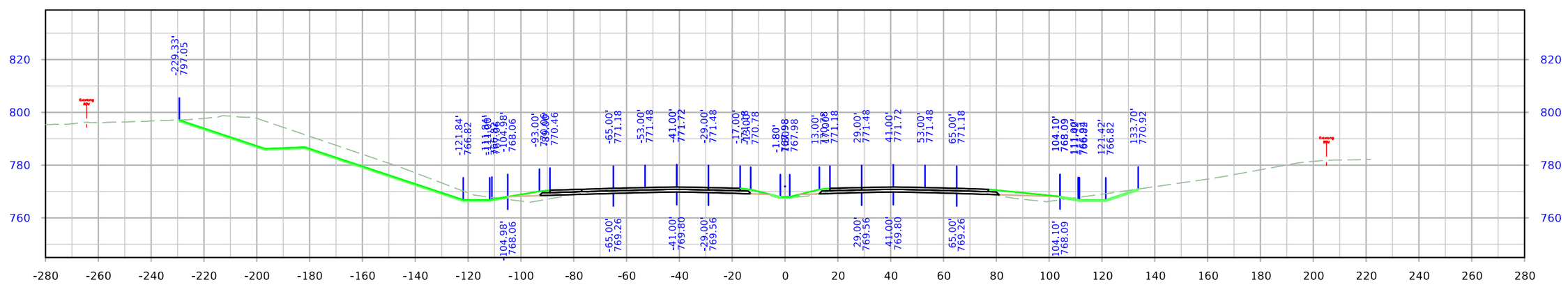
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.165

8:29:11 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

I-380



STA. 200+50.00

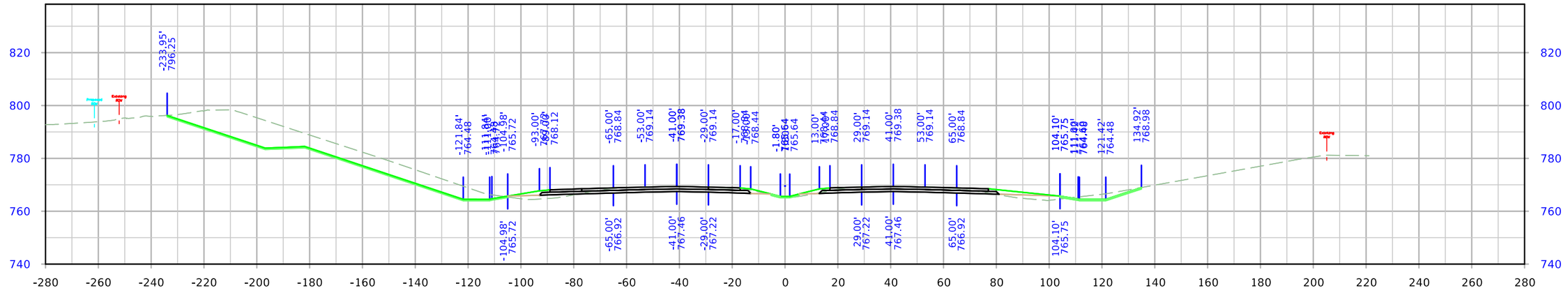


STA. 200+00.00

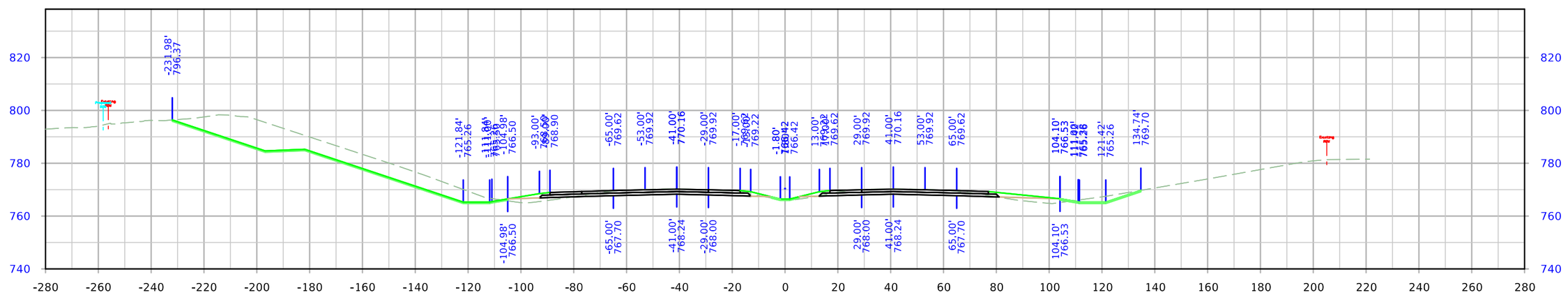
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.166	

8:29:18 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

I-380



STA. 201+50.00

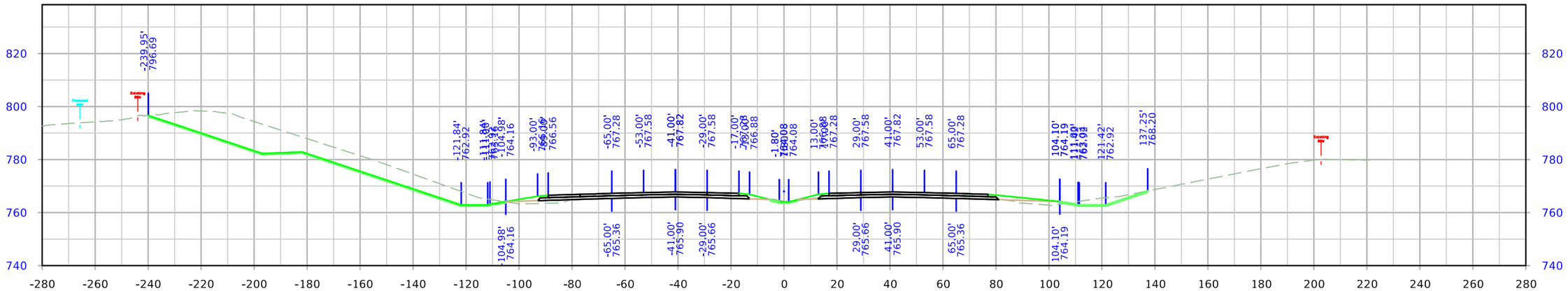


STA. 201+00.00

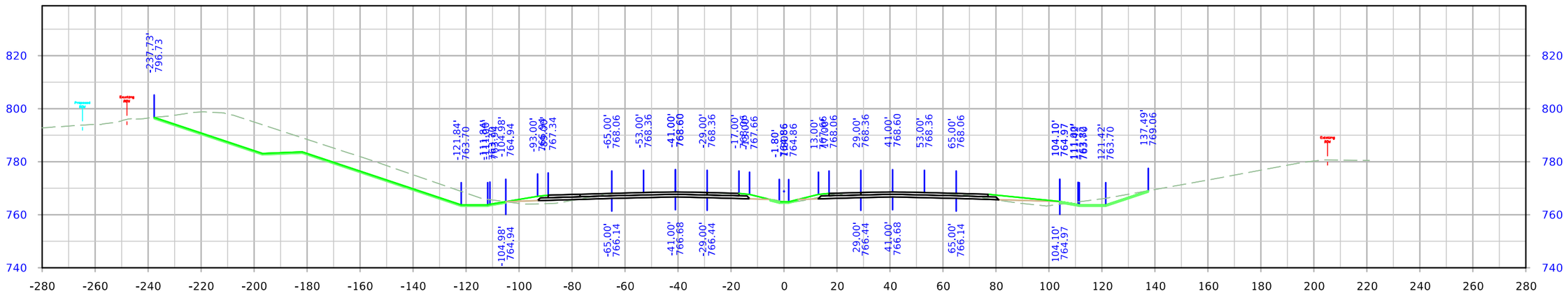
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.167

8:29:24 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

I-380



STA. 202+50.00

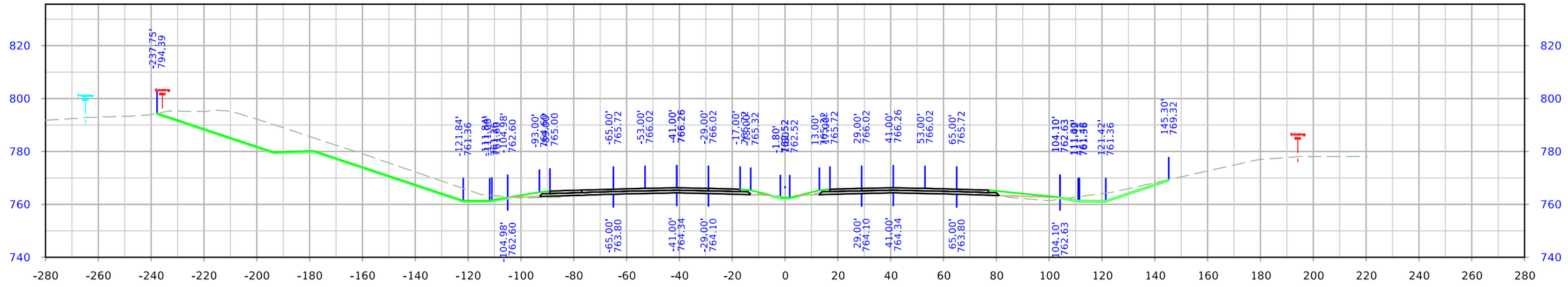


STA. 202+00.00

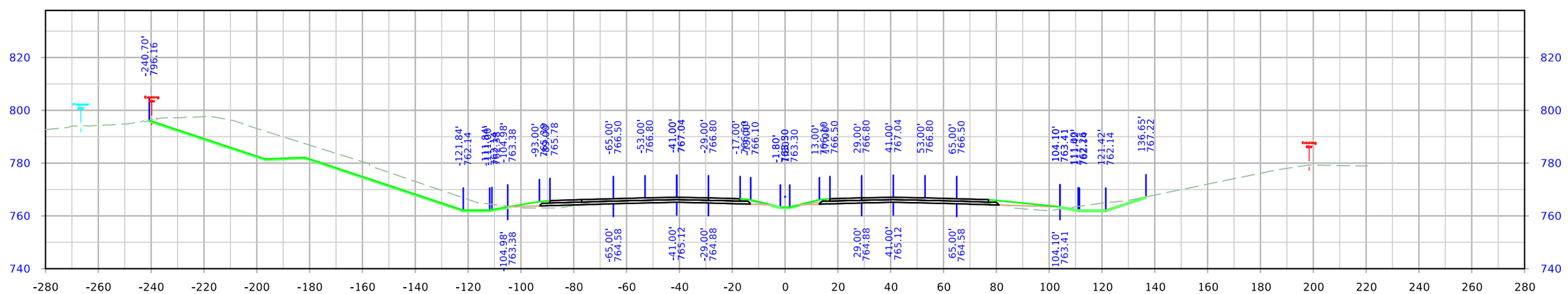
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.168

8:29:30 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

I-380



STA. 203+50.00

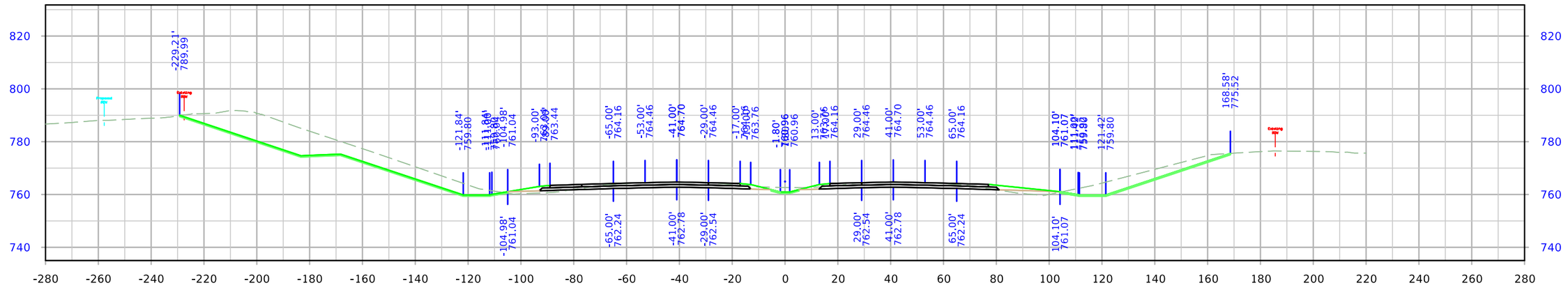


STA. 203+00.00

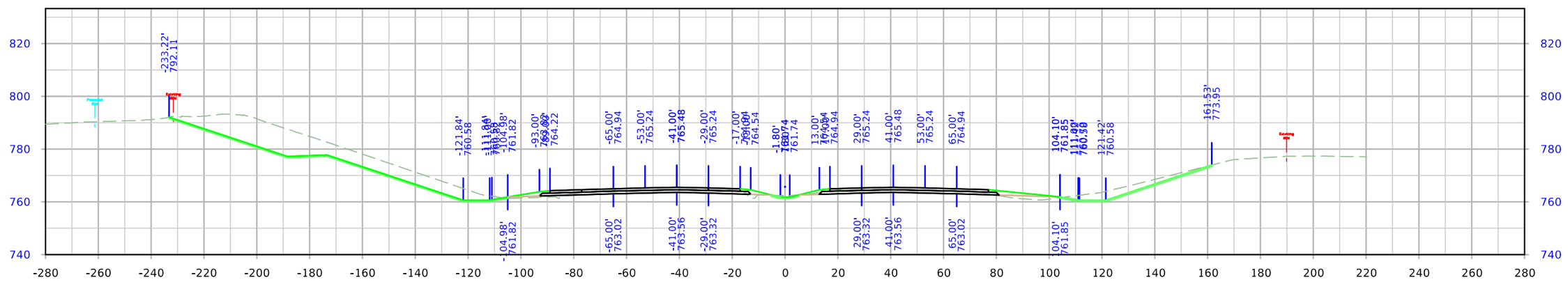
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.169

8:29:37 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

I-380



STA. 204+50.00

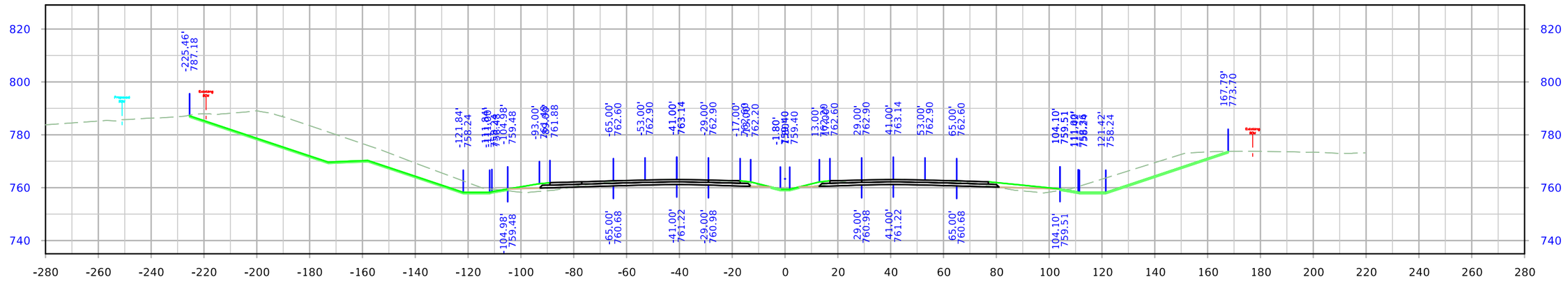


STA. 204+00.00

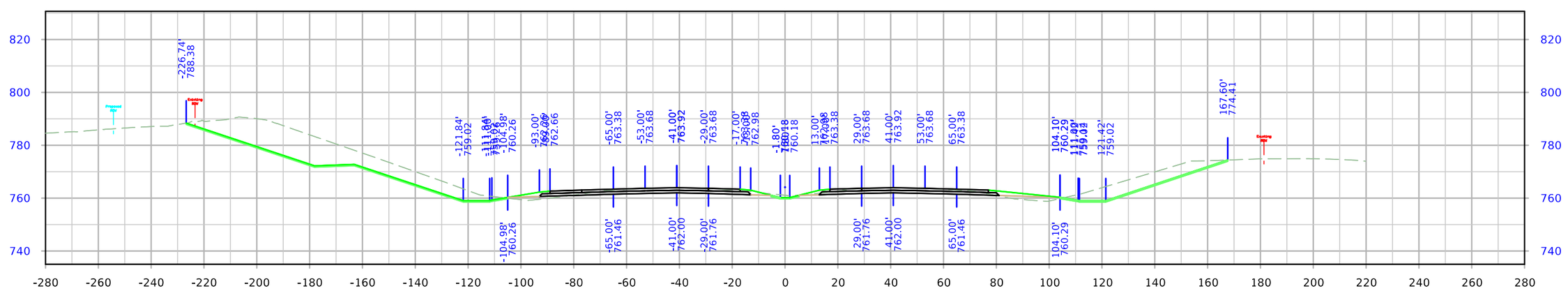
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.170

8:29:43 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

I-380



STA. 205+50.00

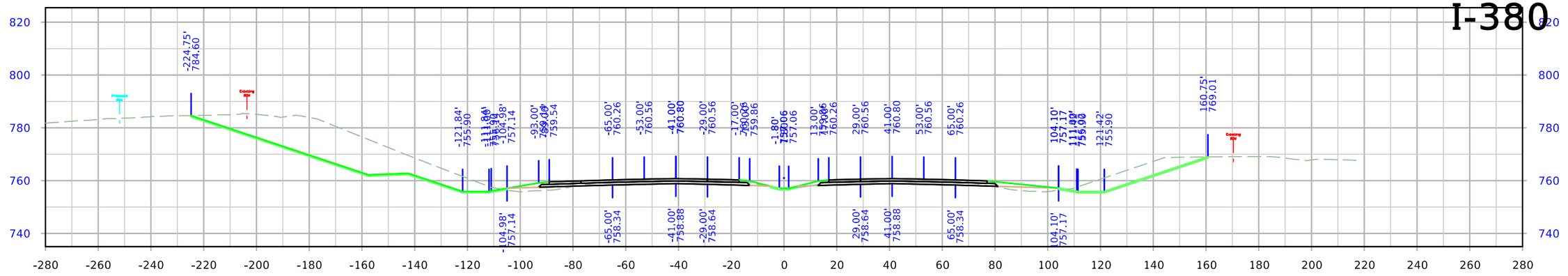


STA. 205+00.00

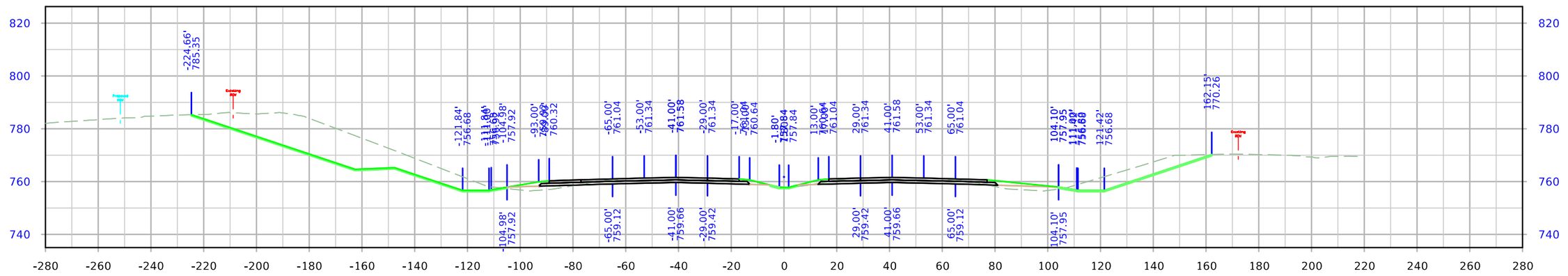
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.171

8:29:49 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

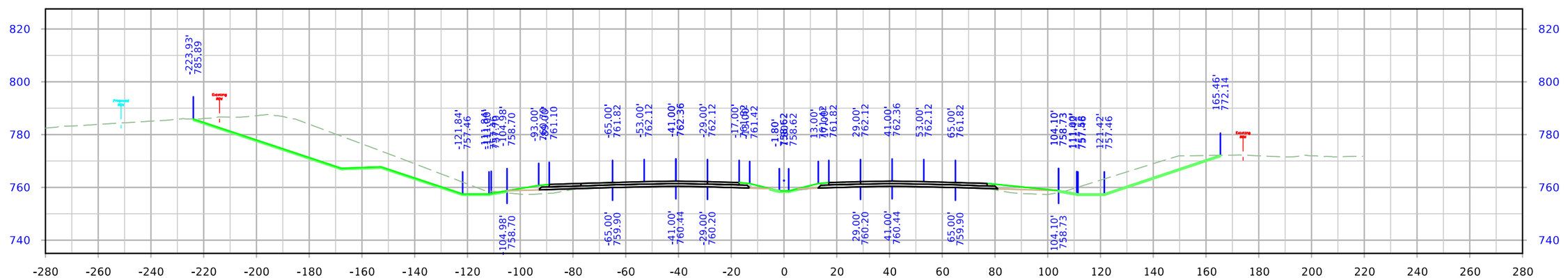
I-380



STA. 207+00.00



STA. 206+50.00

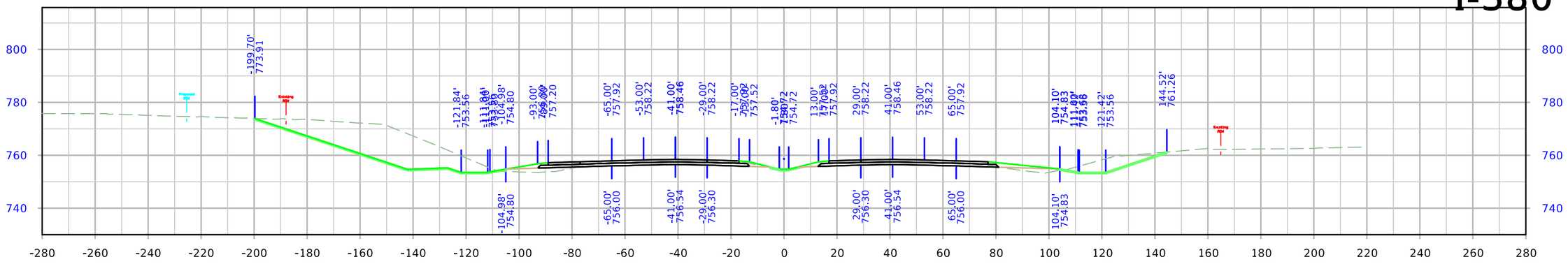


STA. 206+00.00

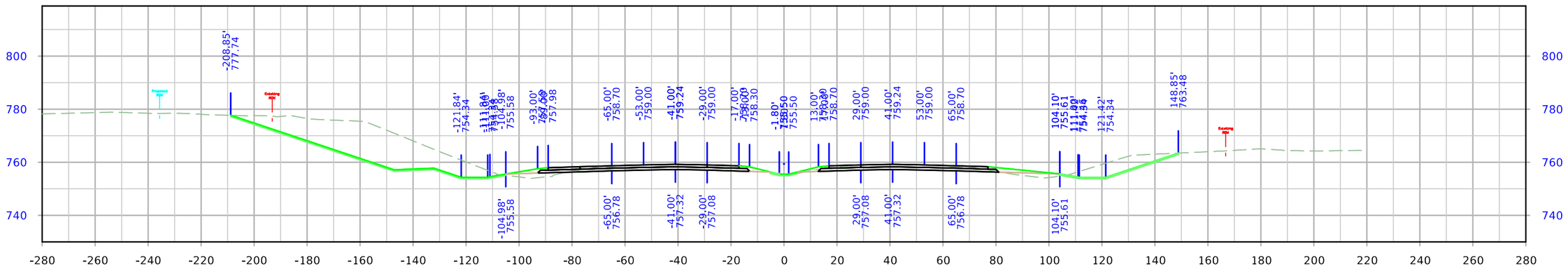
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.172

8:29:57 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

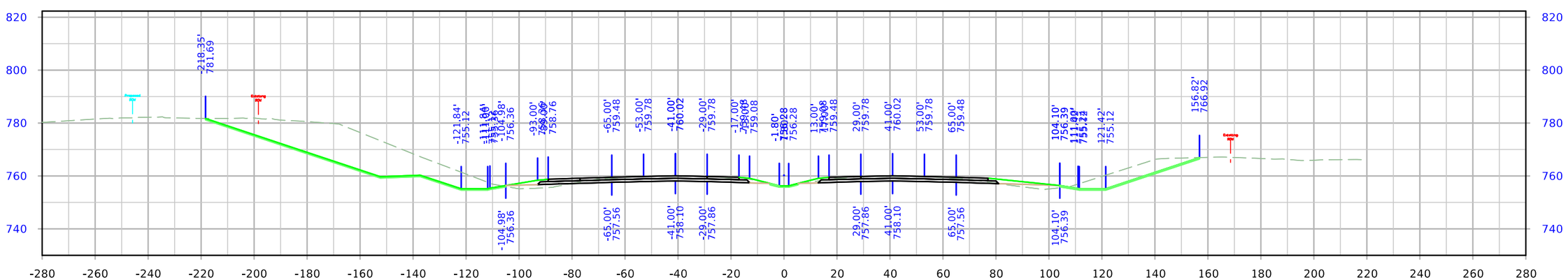
I-380



STA. 208+50.00



STA. 208+00.00

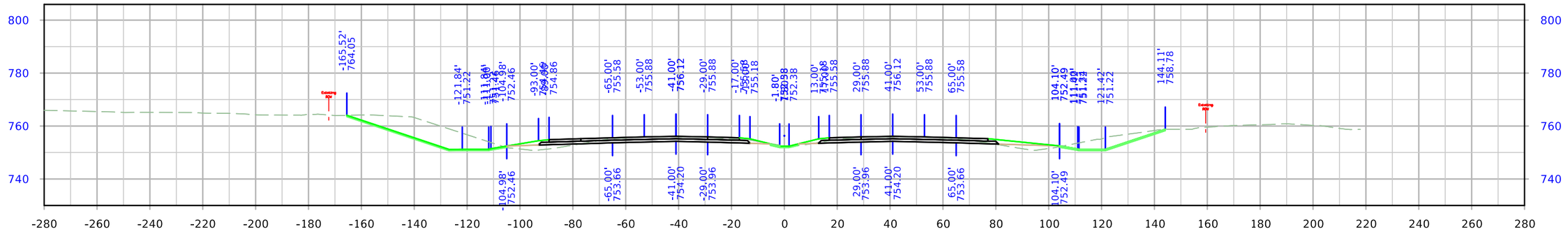


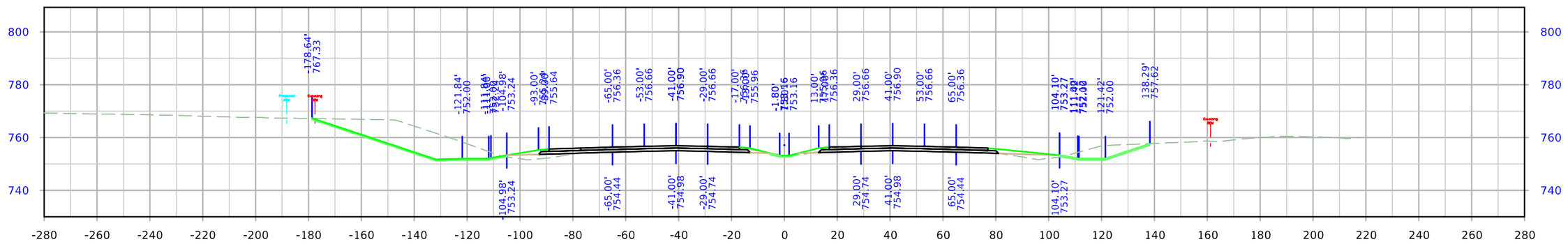
STA. 207+50.00

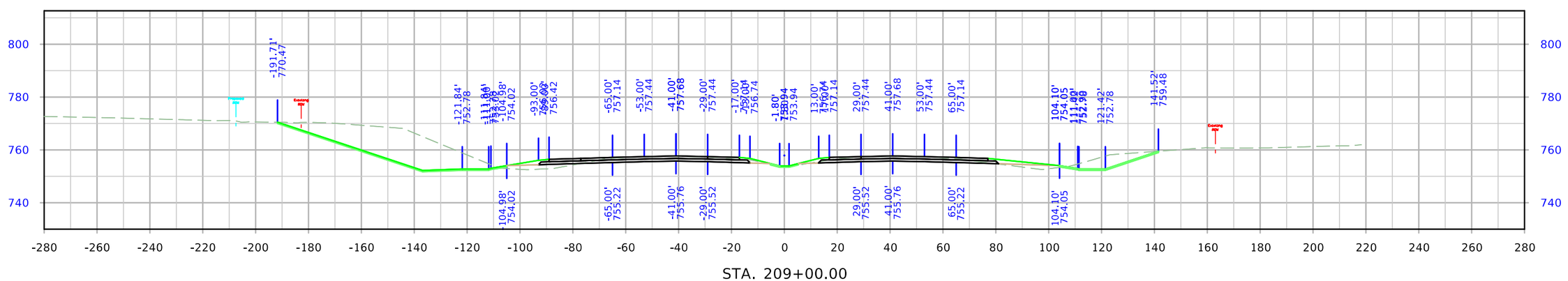
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.173

8:30:05 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

I-380



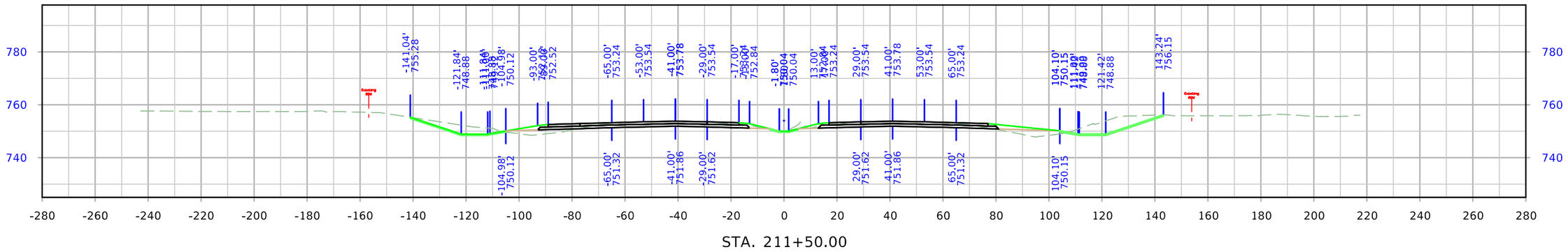




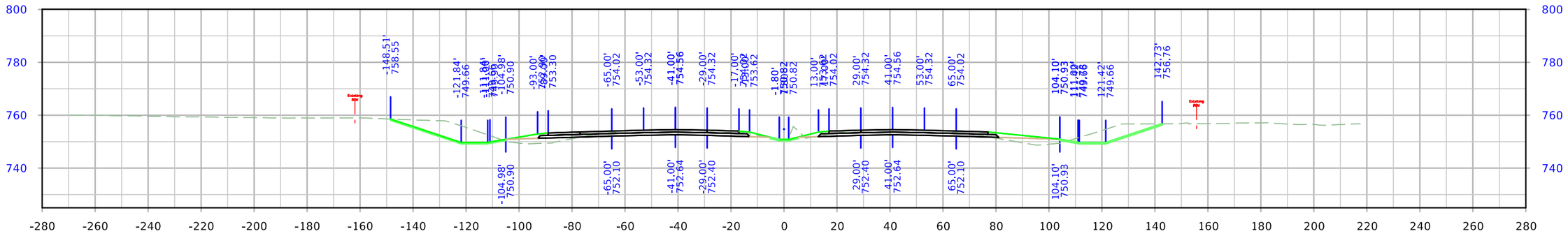
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.174

8:30:14 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

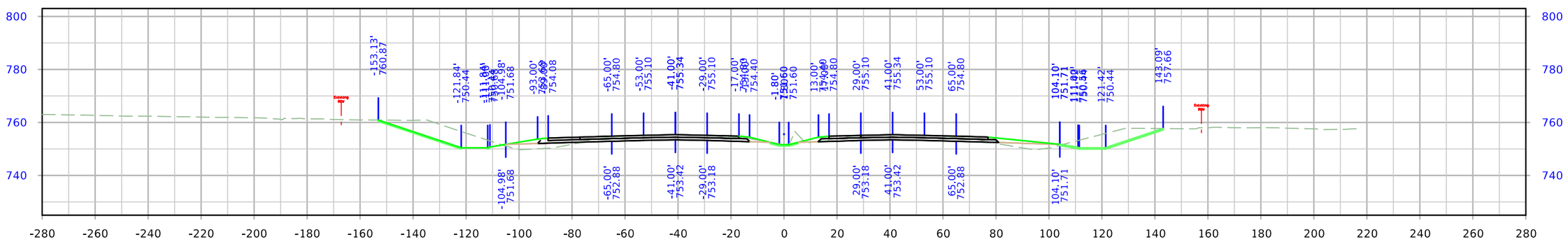
I-380



STA. 211+50.00



STA. 211+00.00

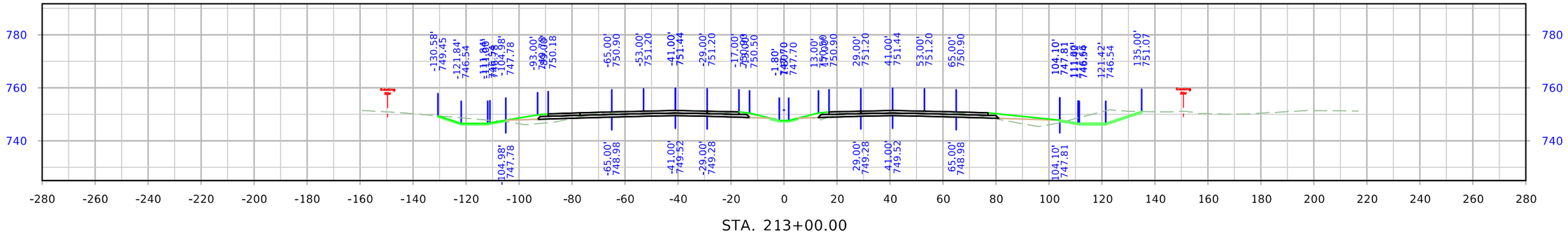


STA. 210+50.00

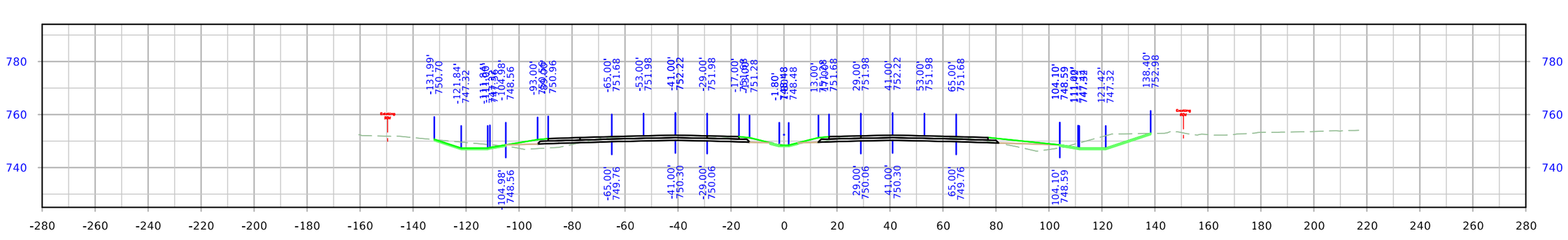
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.175

8:30:21 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

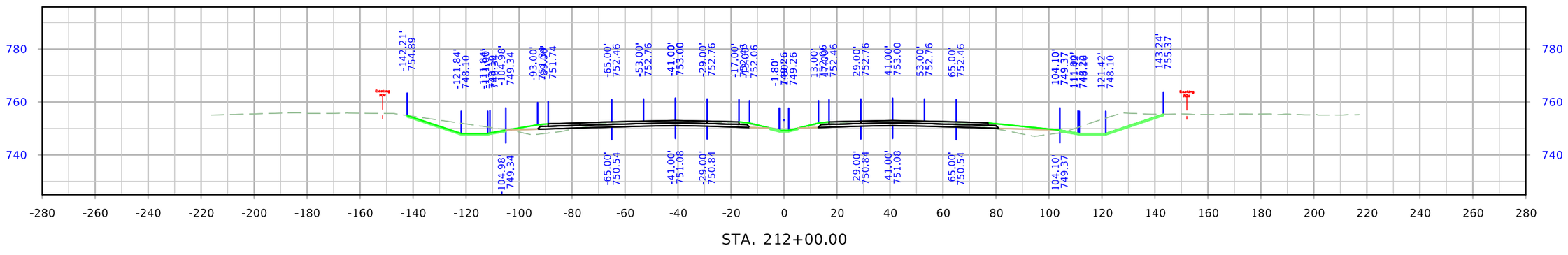
I-380



STA. 213+00.00



STA. 212+50.00

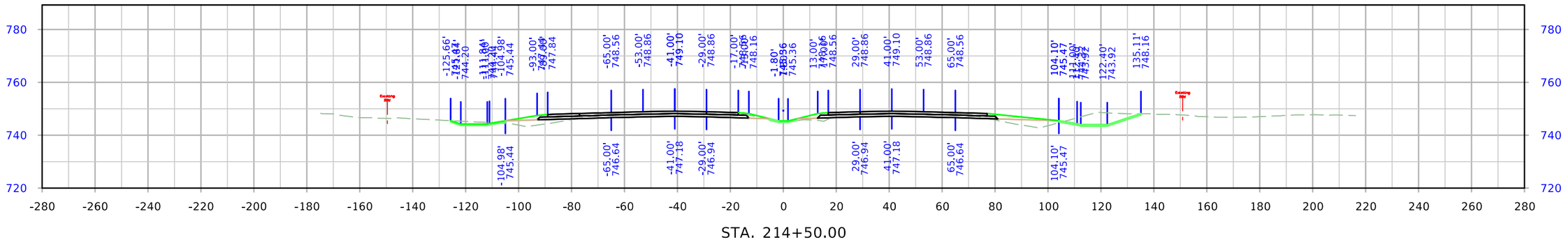


STA. 212+00.00

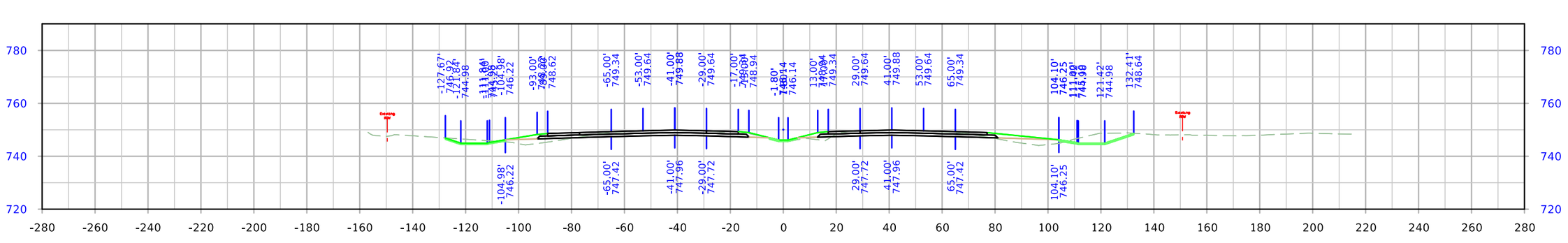
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.176

8:30:30 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

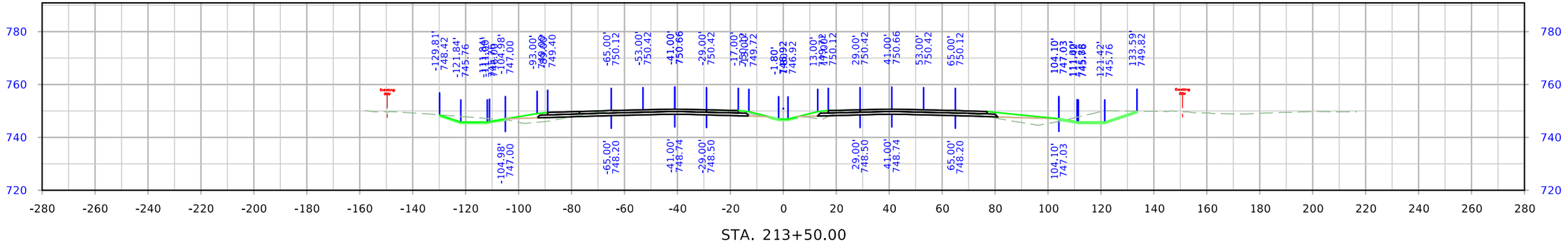
I-380



STA. 214+50.00



STA. 214+00.00

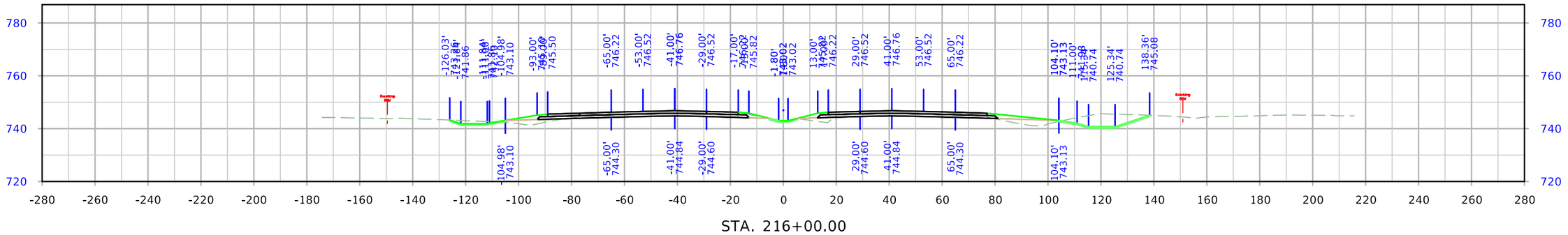


STA. 213+50.00

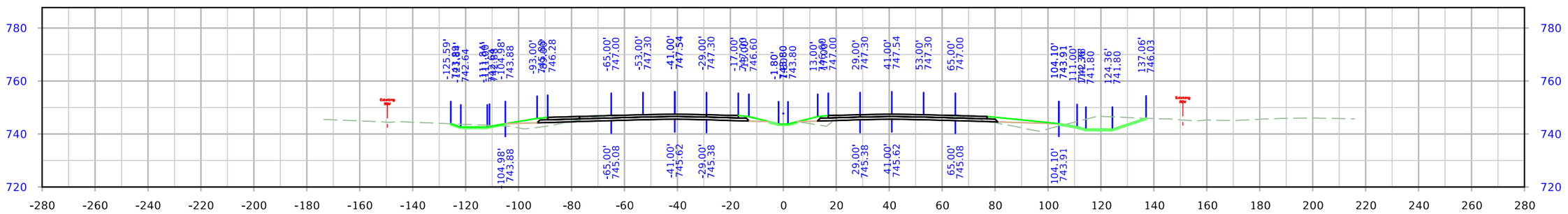
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.177

8:30:36 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

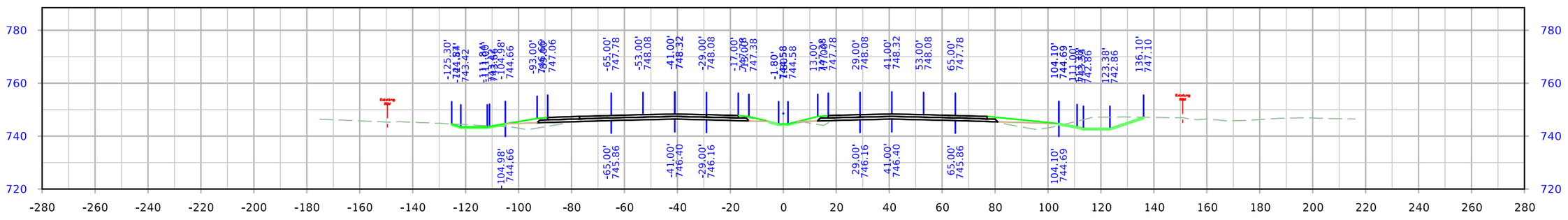
I-380



STA. 216+00.00



STA. 215+50.00

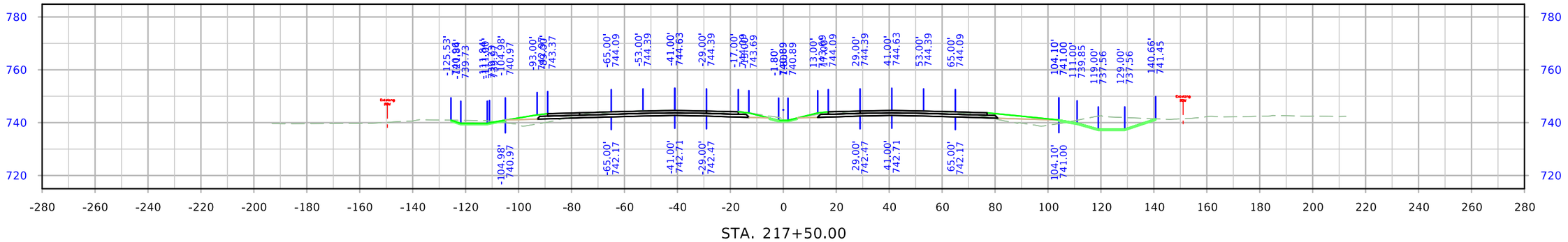


STA. 215+00.00

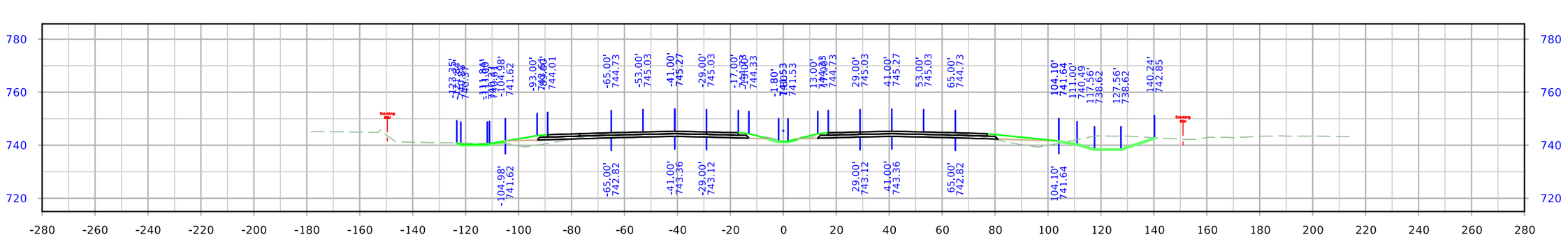
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.178

8:30:45 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

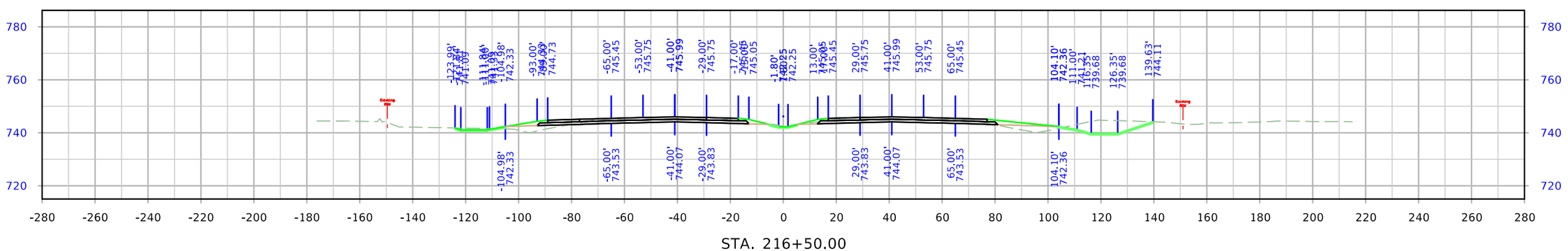
I-380



STA. 217+50.00



STA. 217+00.00

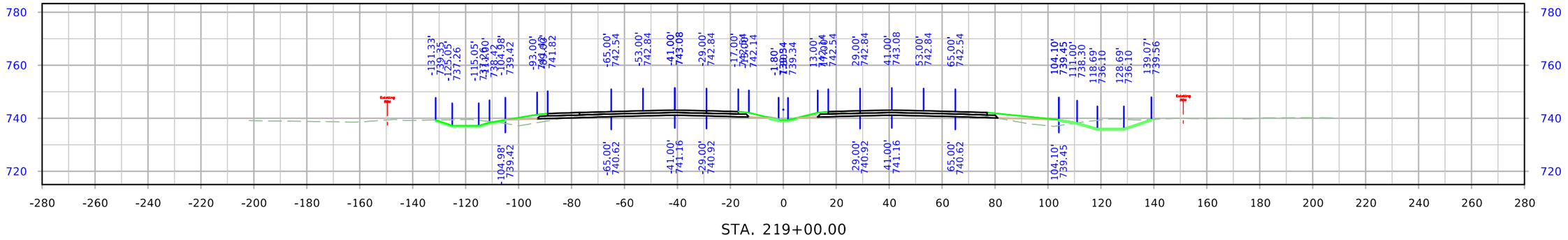


STA. 216+50.00

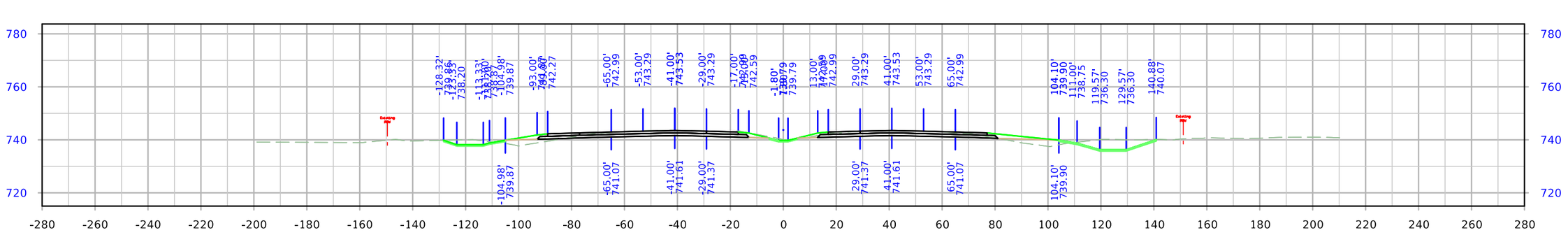
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.179

8:30:52 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

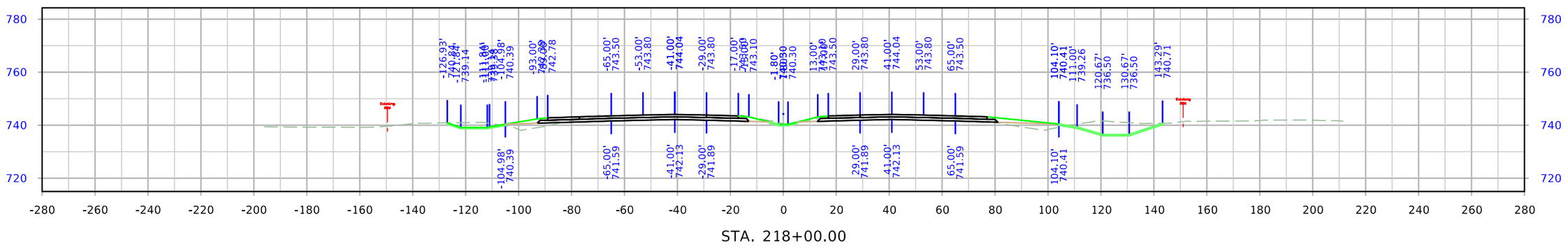
I-380



STA. 219+00.00



STA. 218+50.00

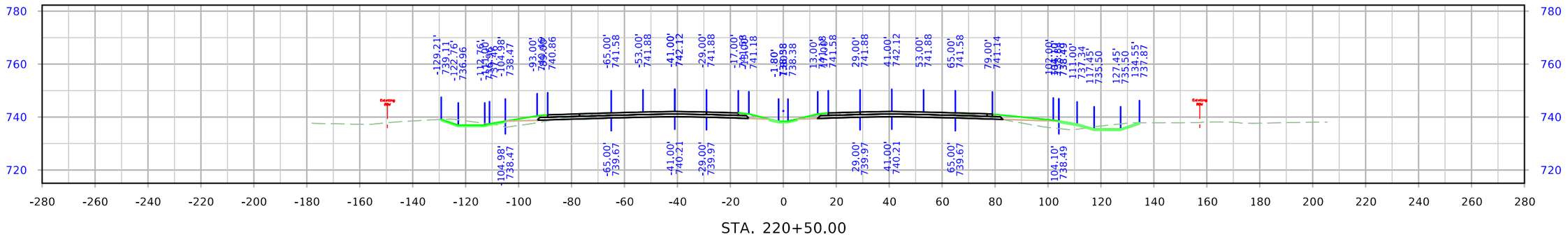


STA. 218+00.00

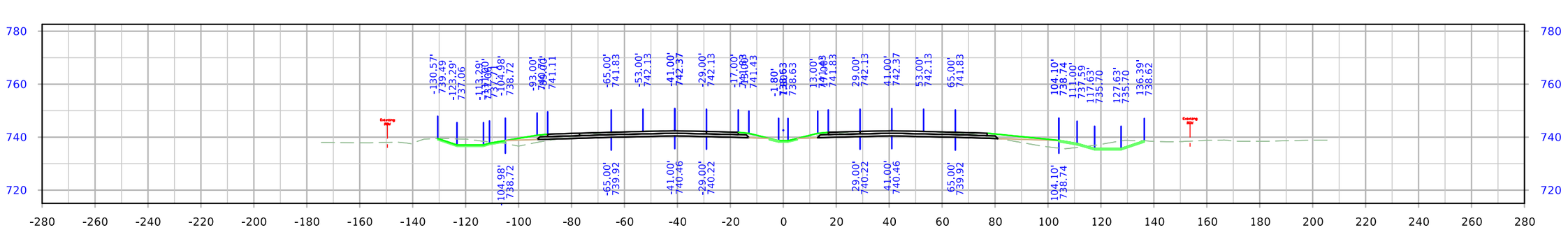
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.180

8:31:01 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

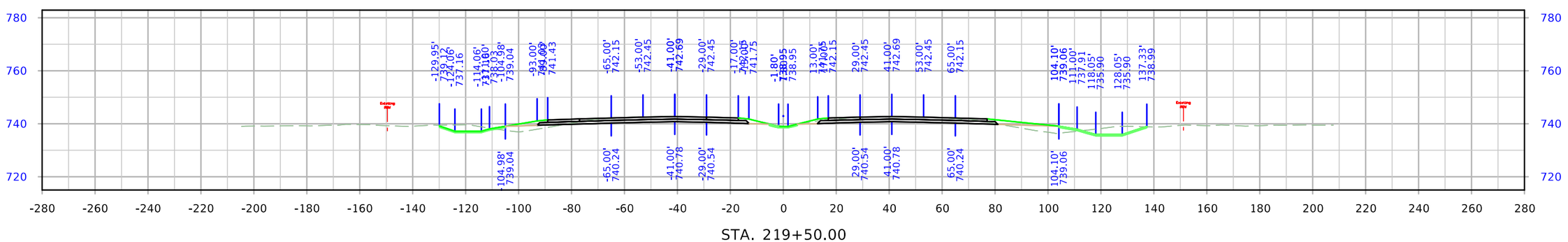
I-380



STA. 220+50.00



STA. 220+00.00

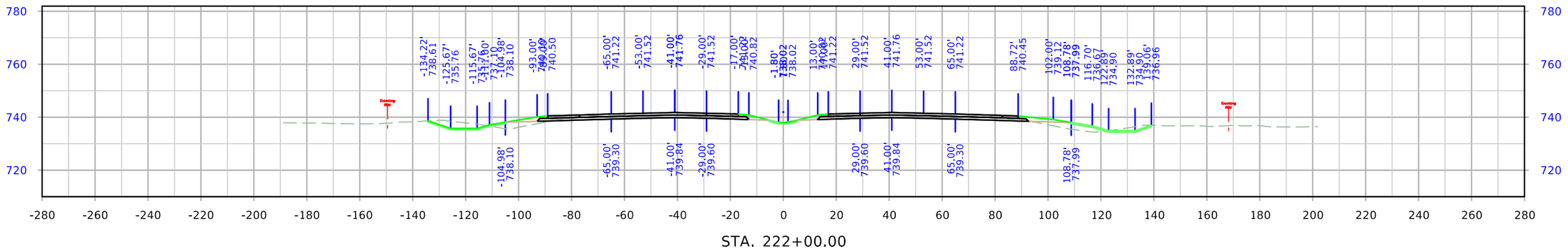


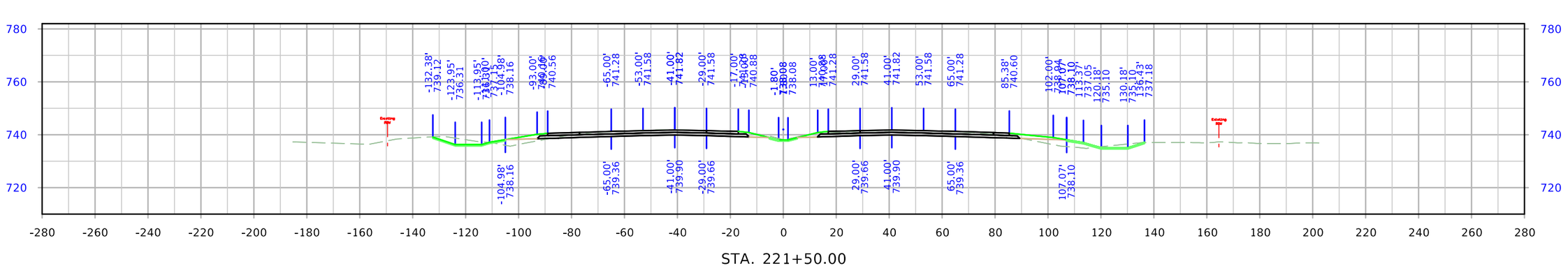
STA. 219+50.00

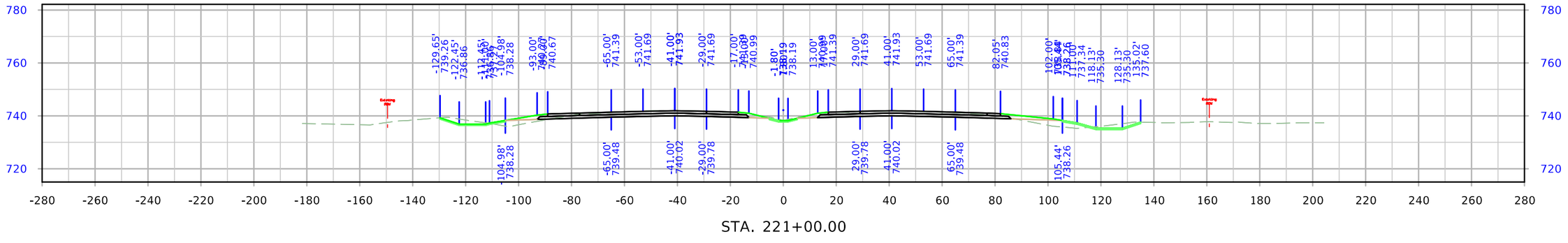
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.181

8:31:09 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

I-380



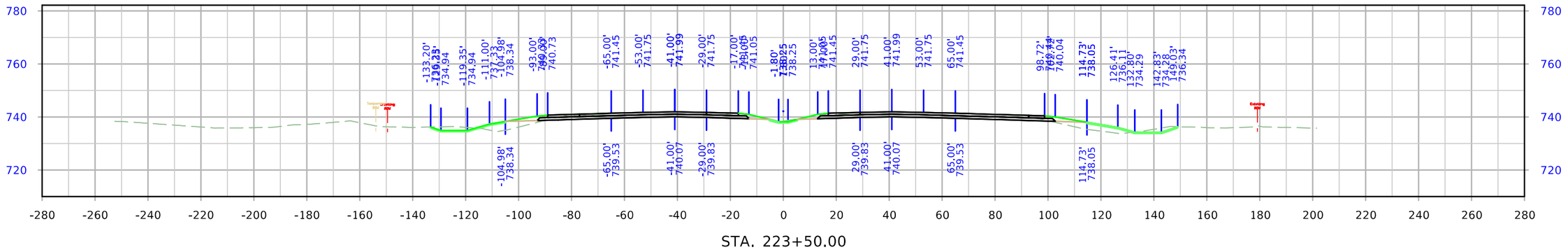




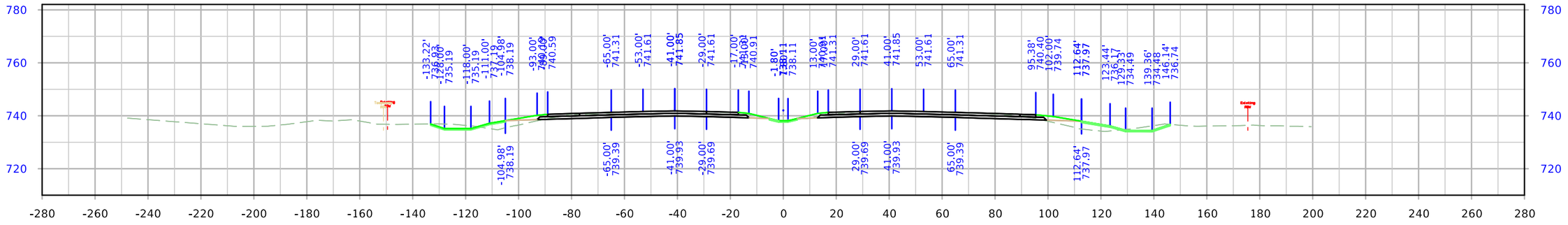
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.182

8:31:17 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

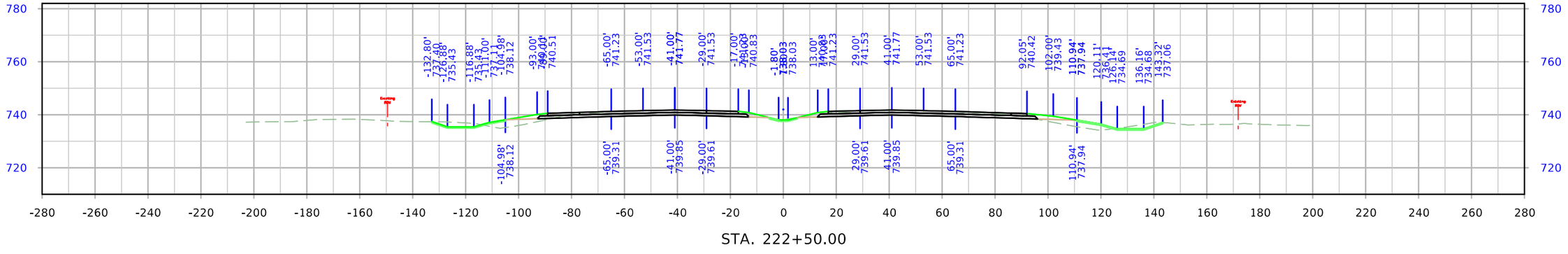
I-380



STA. 223+50.00



STA. 223+00.00

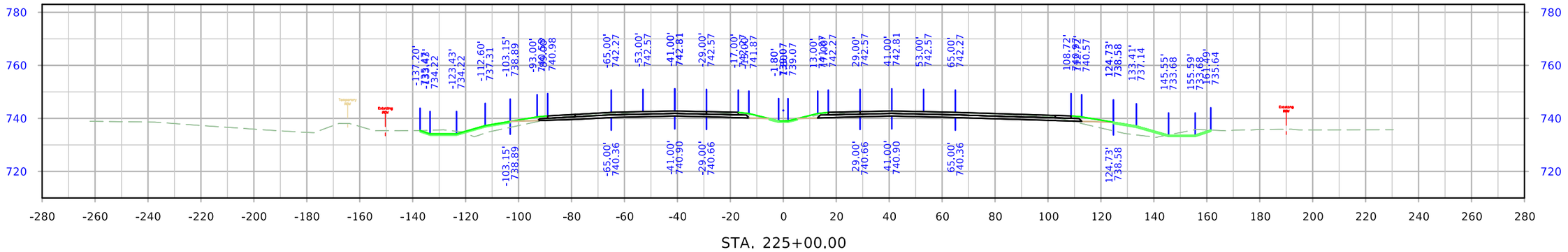


STA. 222+50.00

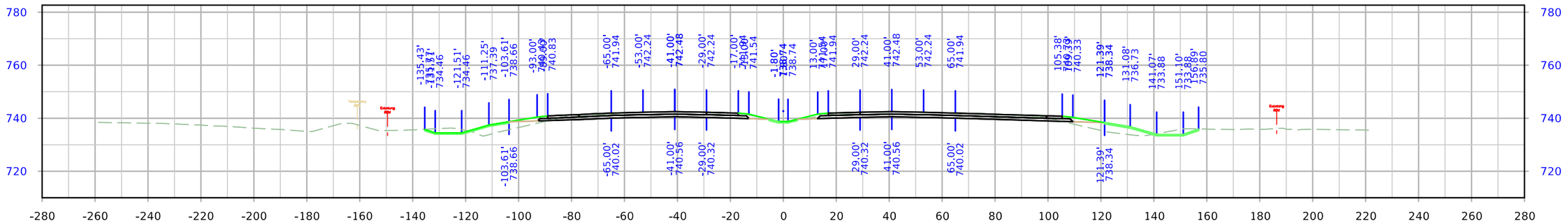
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.183	

8:31:25 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

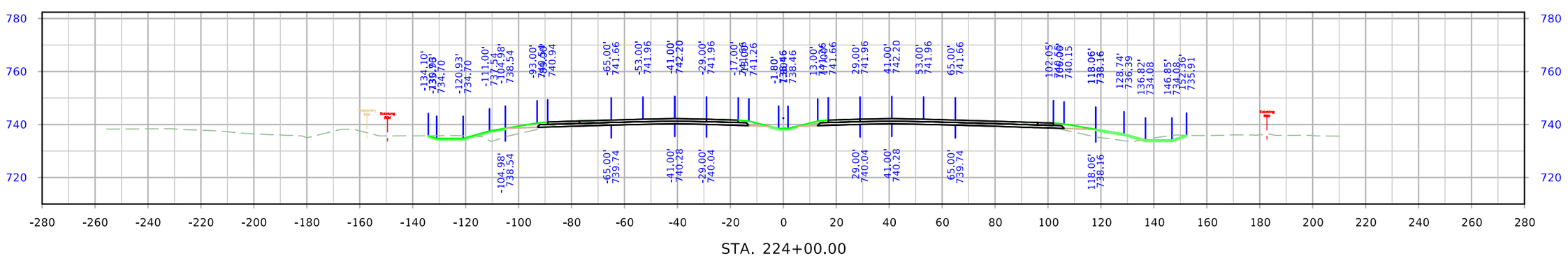
I-380



STA. 225+00.00



STA. 224+50.00

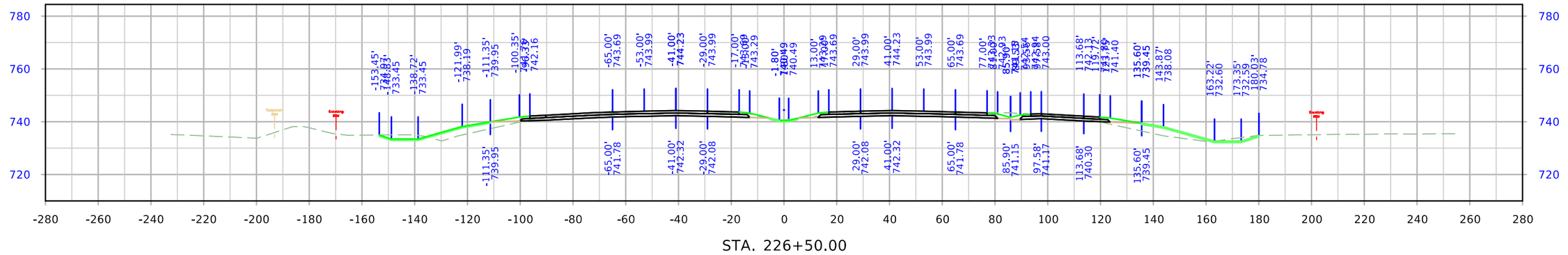


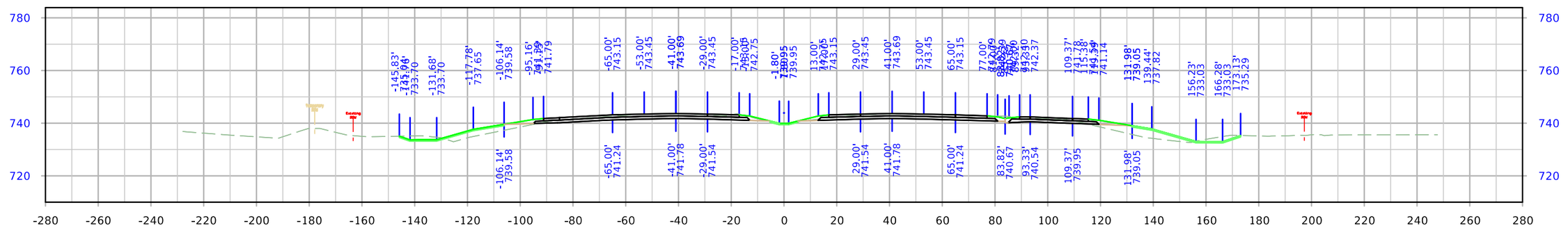
STA. 224+00.00

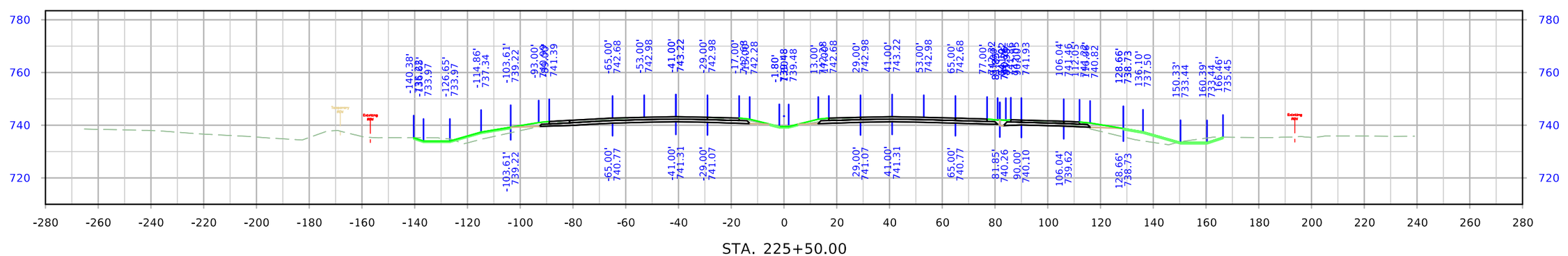
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.184

8:31:33 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

I-380



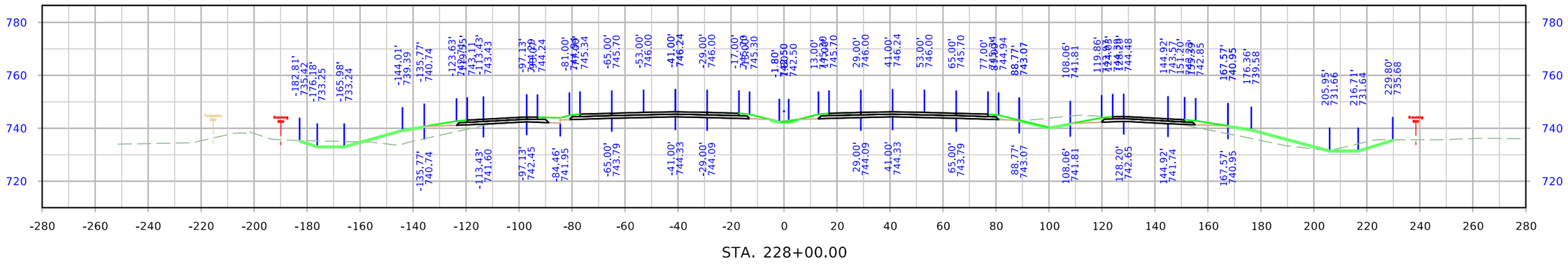




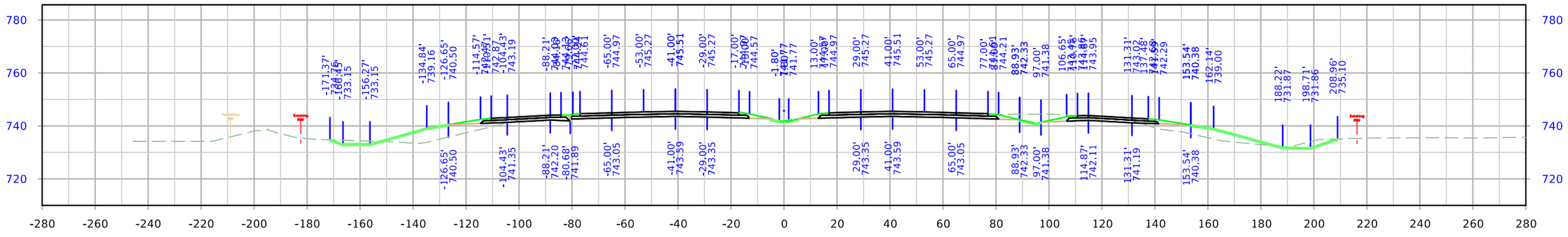
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.185

8:31:41 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

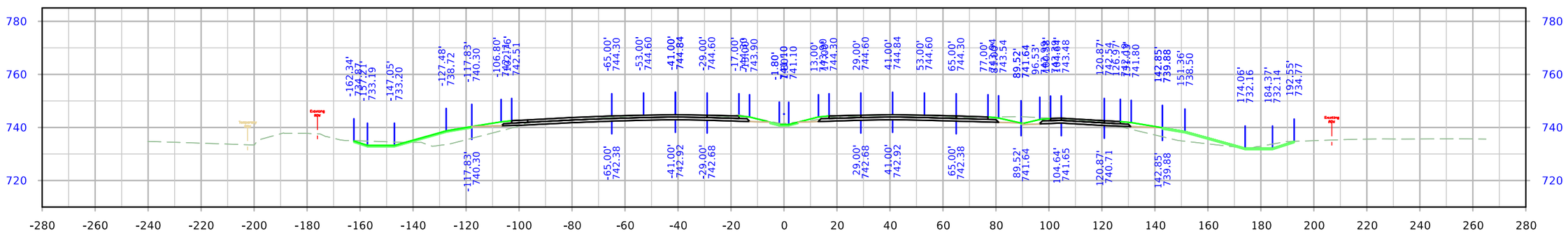
I-380



STA. 228+00.00



STA. 227+50.00

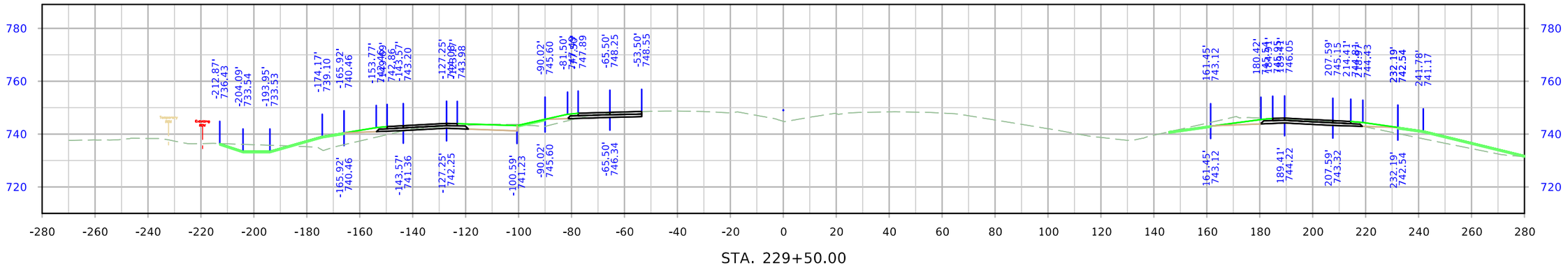


STA. 227+00.00

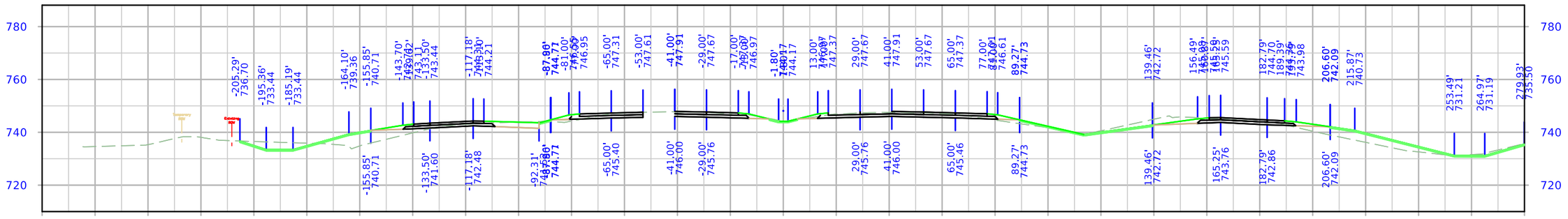
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.186

8:31:50 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

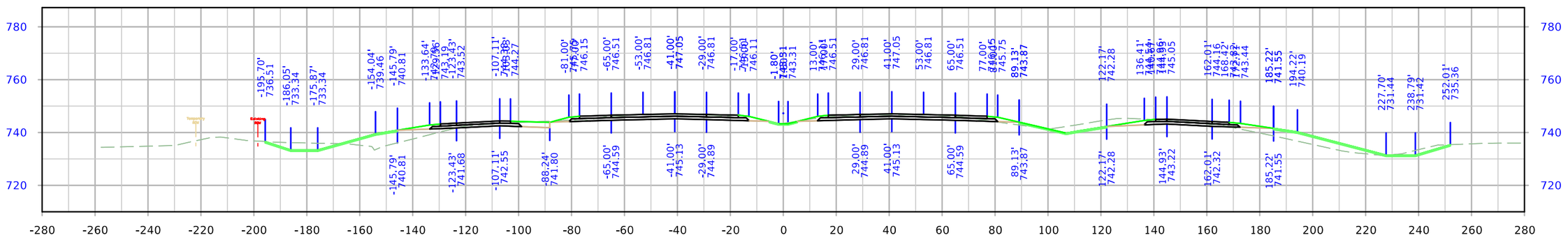
I-380



STA. 229+50.00



STA. 229+00.00

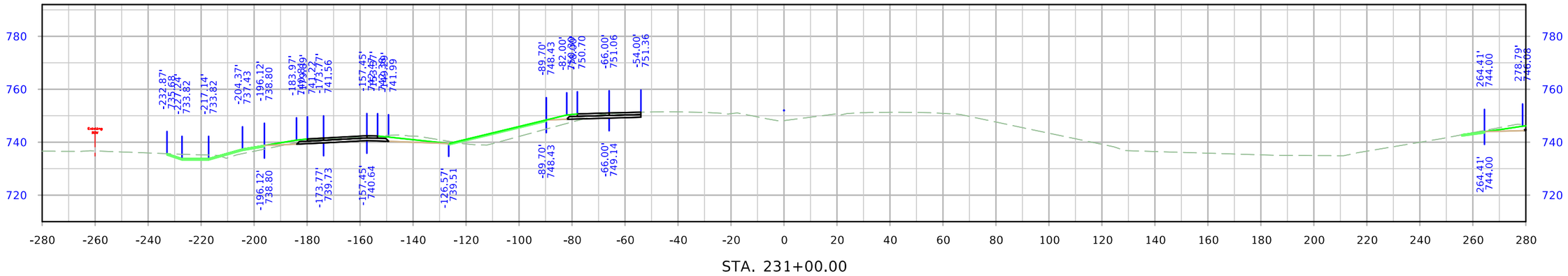


STA. 228+50.00

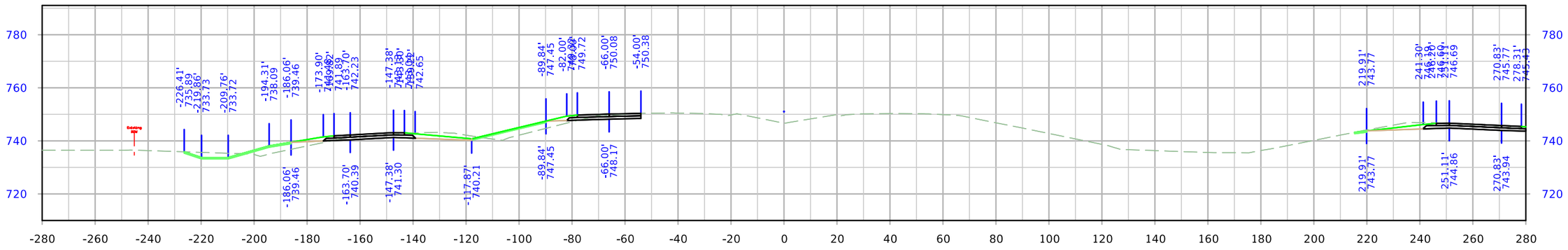
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.187

8:31:58 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

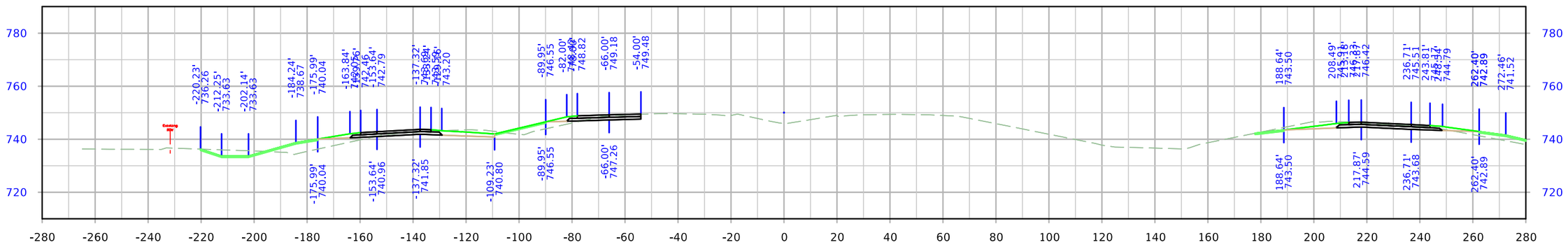
I-380



STA. 231+00.00



STA. 230+50.00

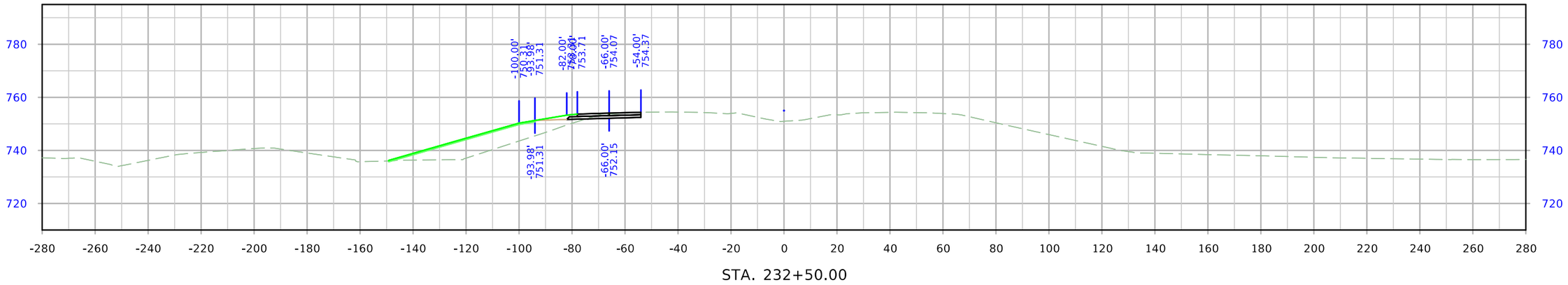


STA. 230+00.00

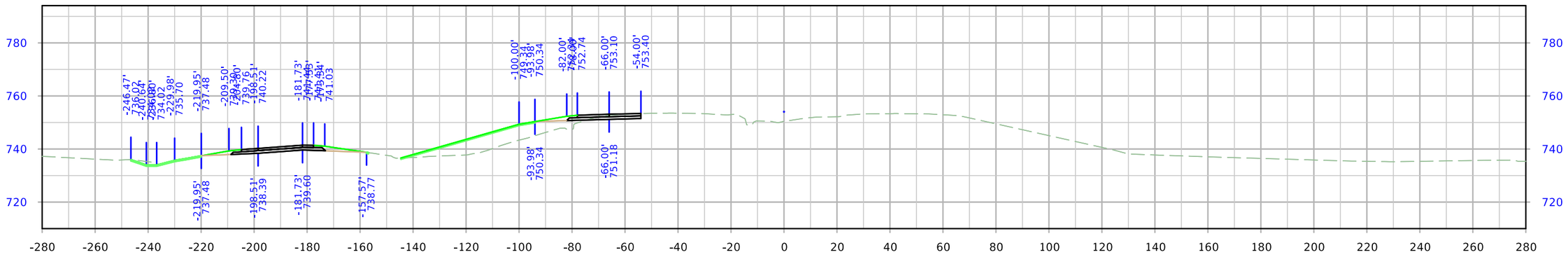
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.188

8:32:04 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

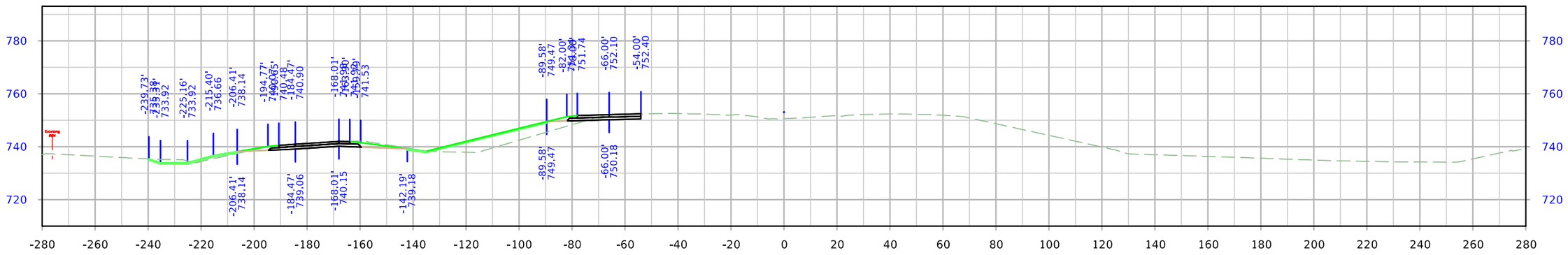
I-380



STA. 232+50.00



STA. 232+00.00

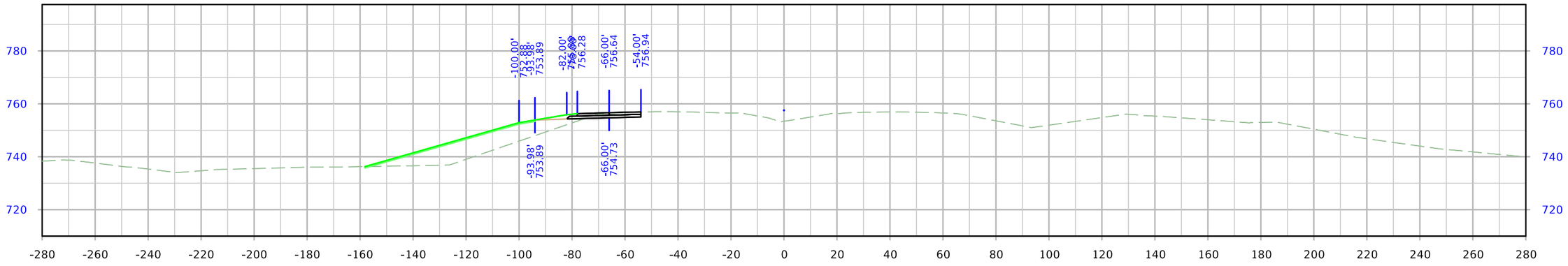


STA. 231+50.00

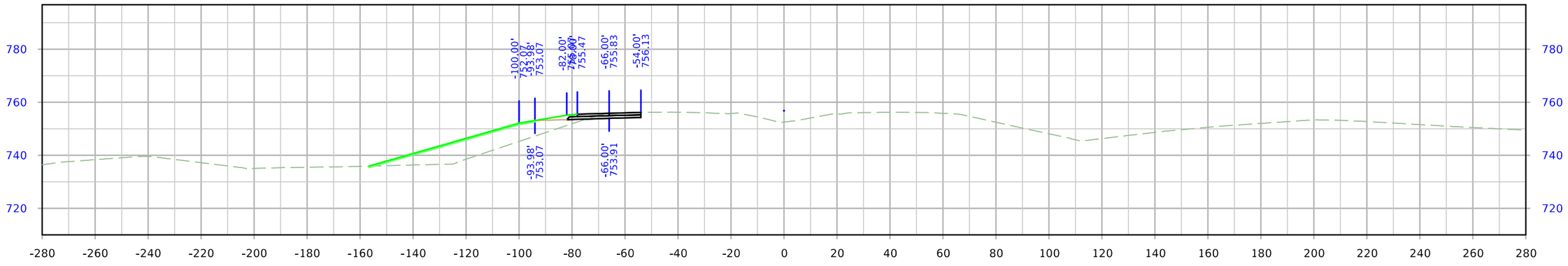
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.189

8:32:08 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

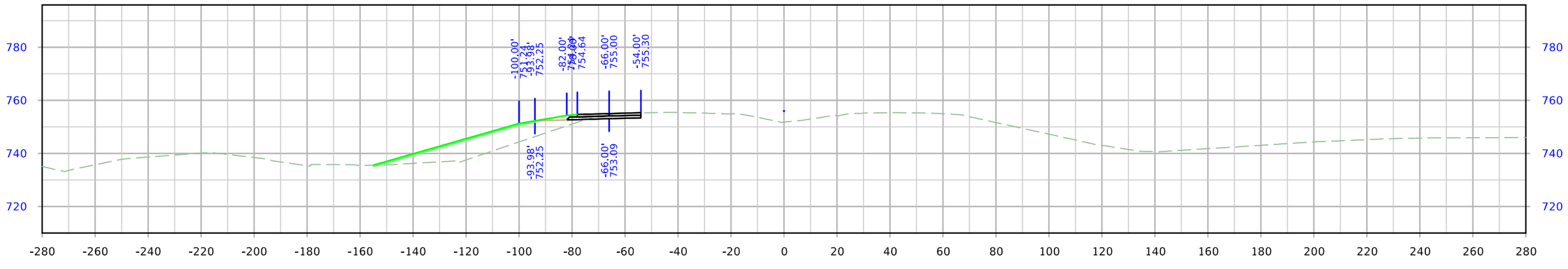
I-380



STA. 234+00.00



STA. 233+50.00

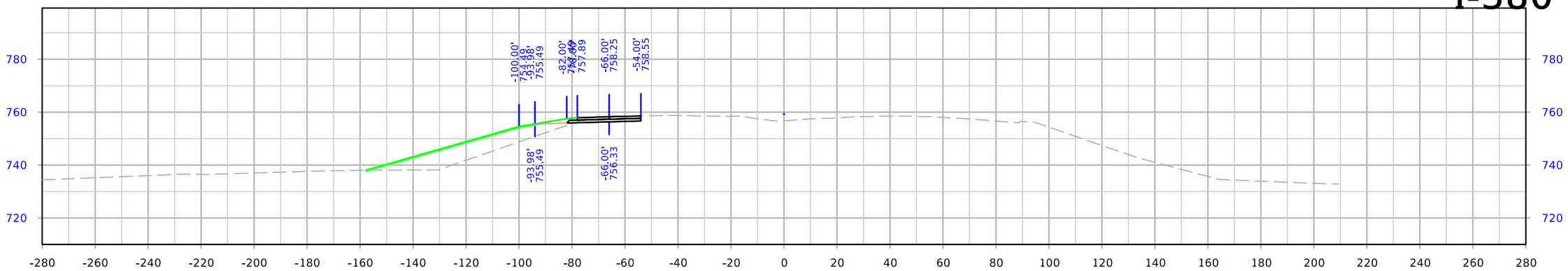


STA. 233+00.00

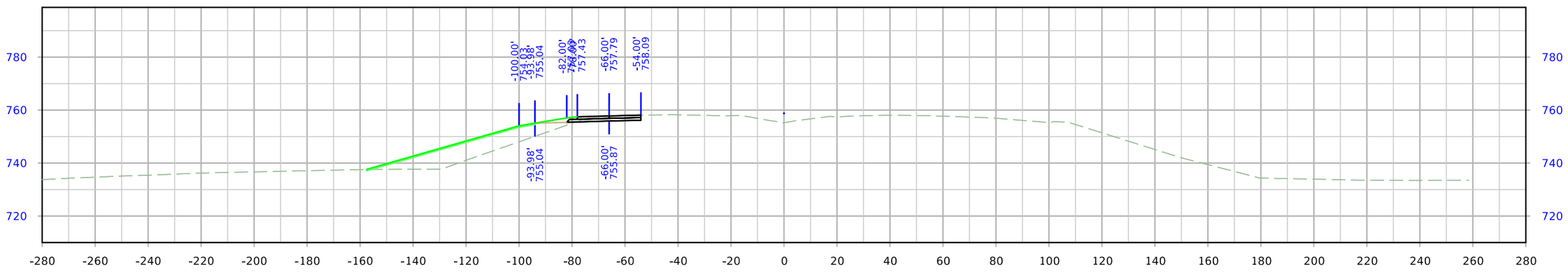
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.190

8:32:13 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

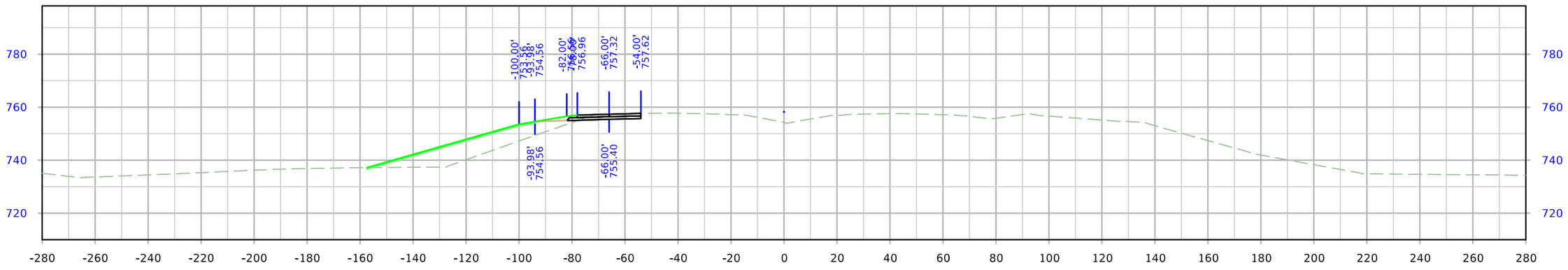
I-380



STA. 235+50.00



STA. 235+00.00

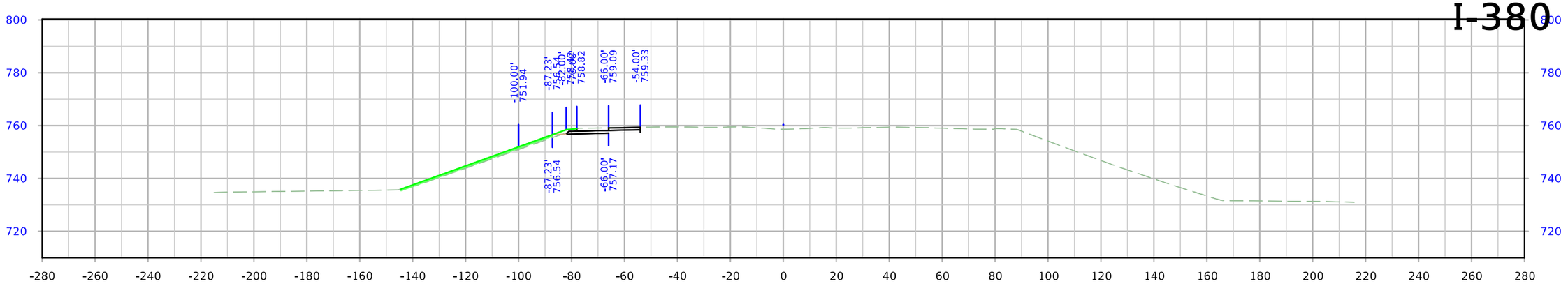


STA. 234+50.00

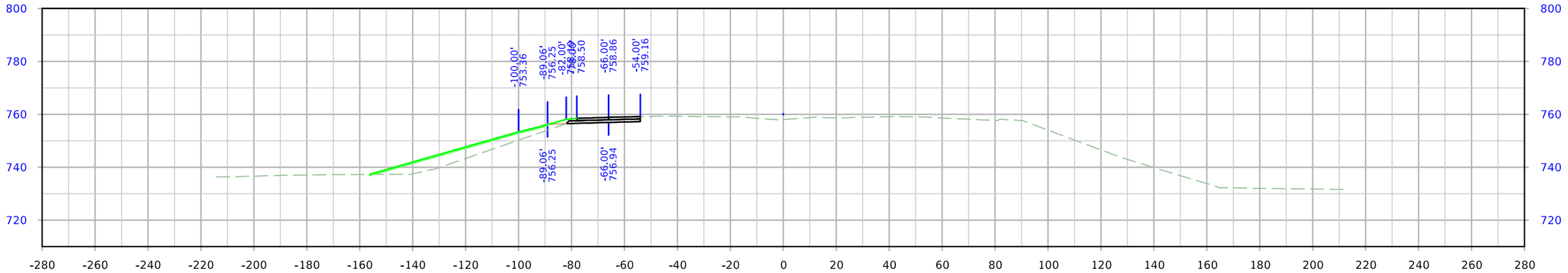
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.191

8:32:17 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

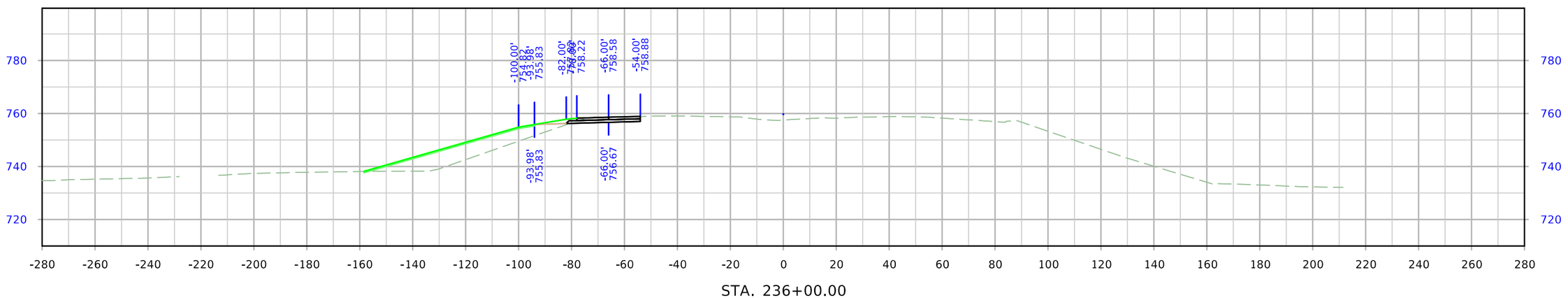
I-380



STA. 237+00.00



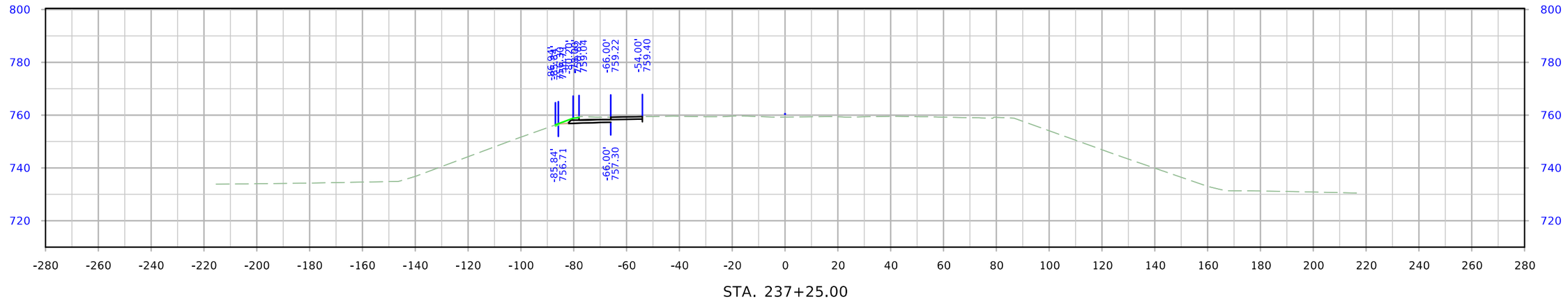
STA. 236+50.00



STA. 236+00.00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.192

8:32:22 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

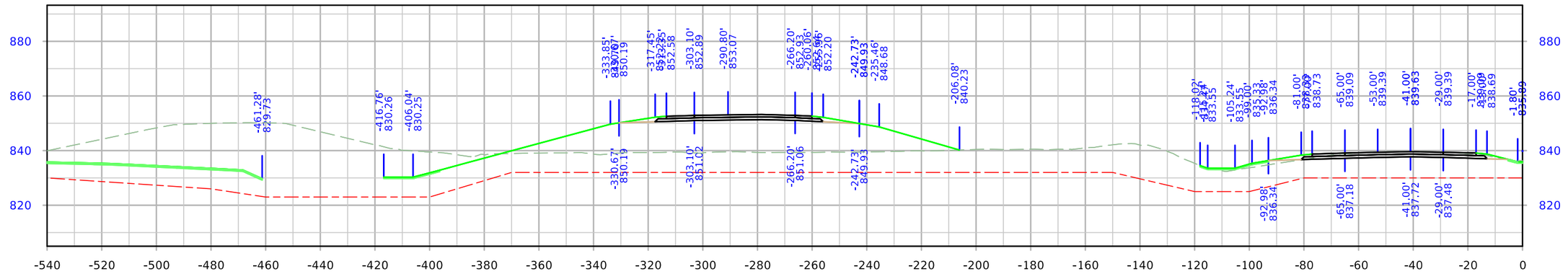


STA. 237+25.00

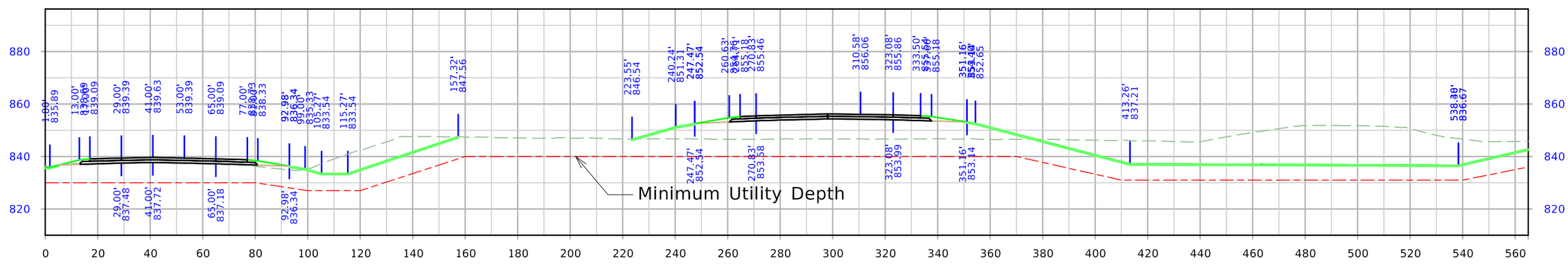
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.193

8:32:25 AM 10/27/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\Staff_TempOnly\kschroc\U4\SHT_52380434_W01_U4.dgn

Prelim Utility Crossing



STA. 103+00.00

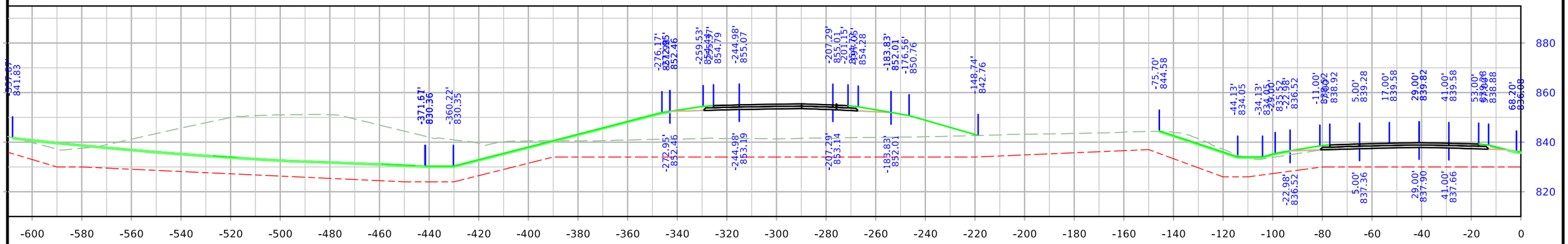


STA. 103+00.00

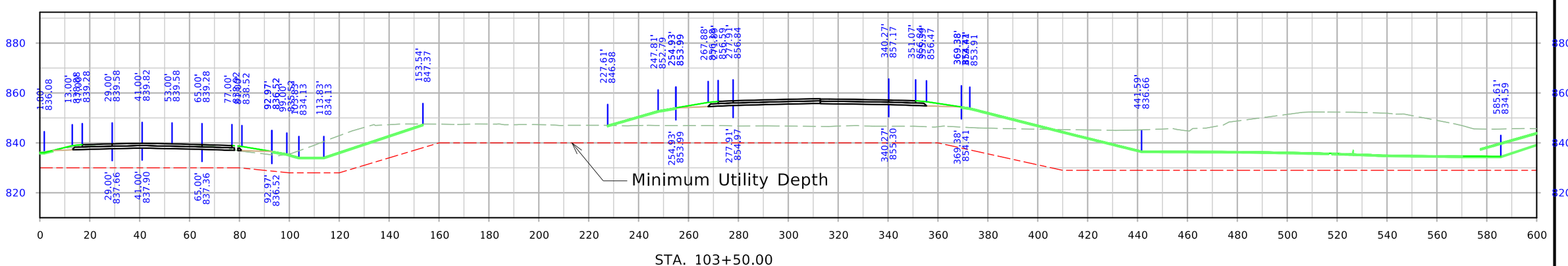
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.194

12:44:40 PM 10/12/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_W100_(U3).dgn

Prelim Utility Crossing



STA. 103+50.00

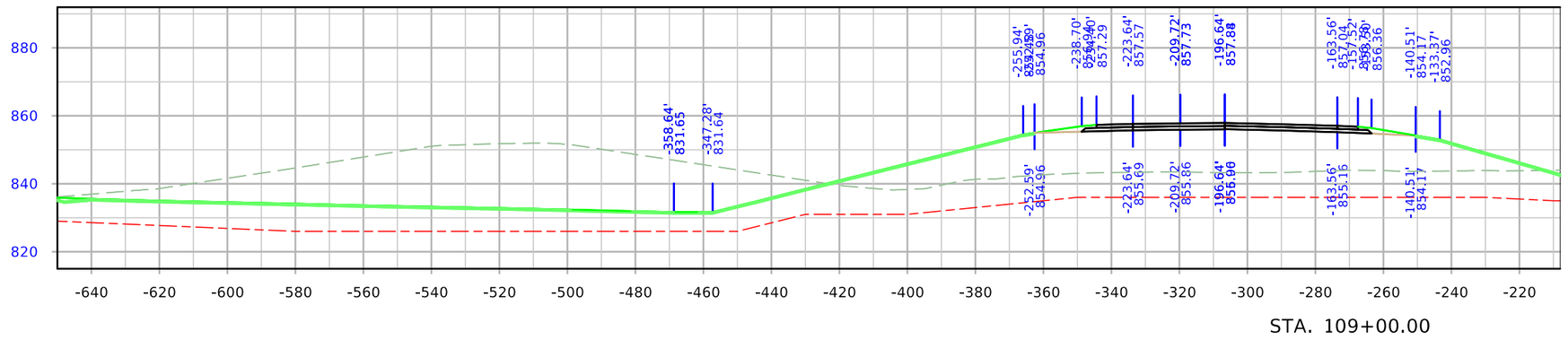


STA. 103+50.00

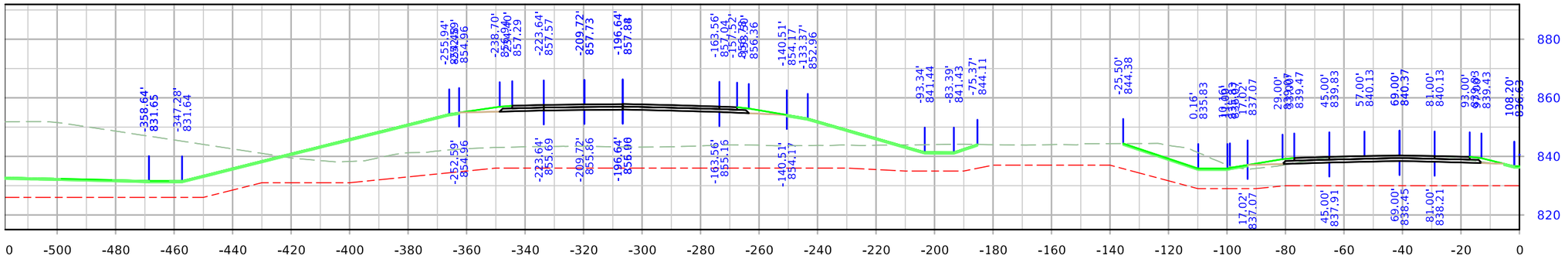
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.195

12:44:46 PM 10/12/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_W100_(U3).dgn

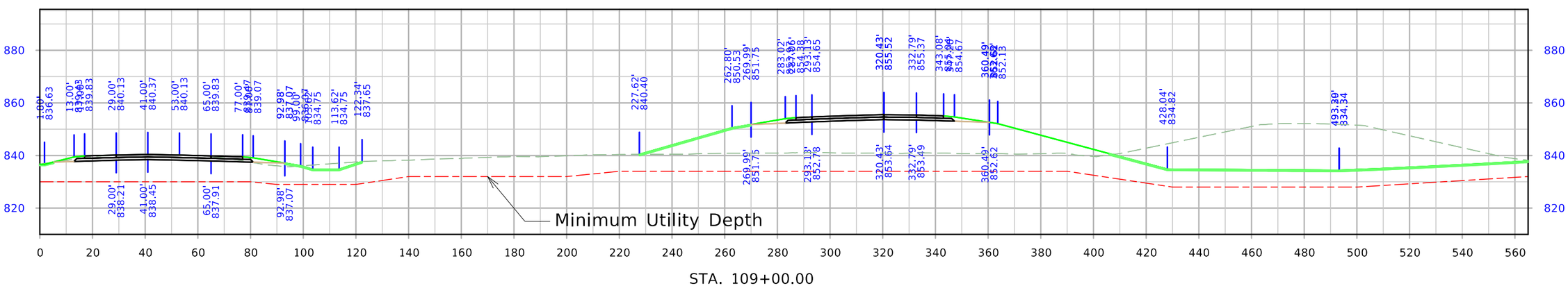
Prelim Utility Crossing



STA. 109+00.00



STA. 109+00.00

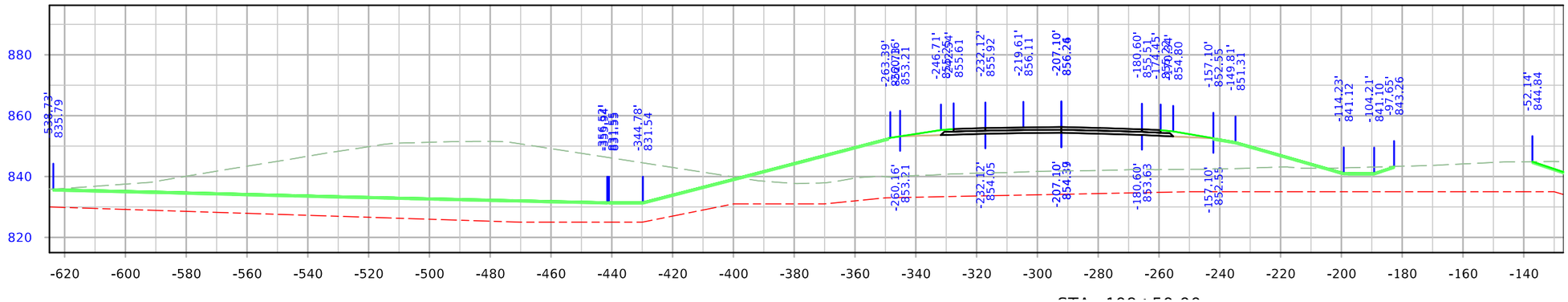


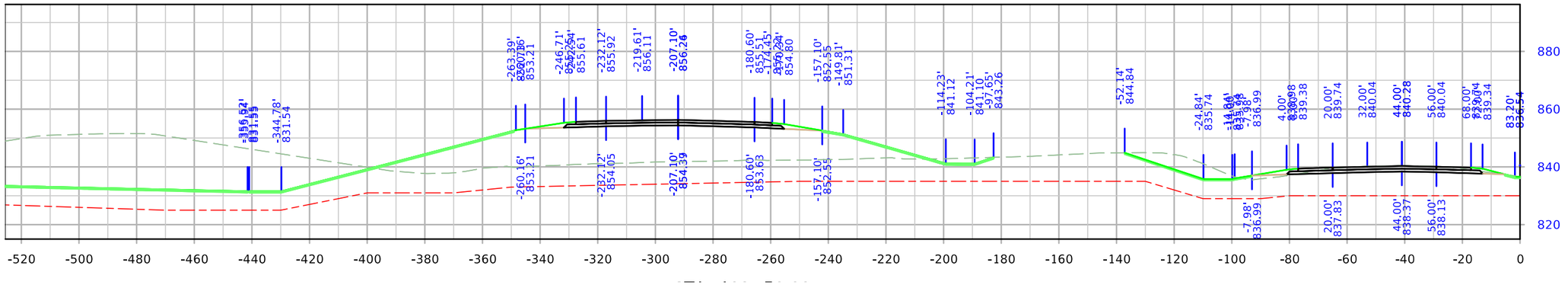
STA. 109+00.00

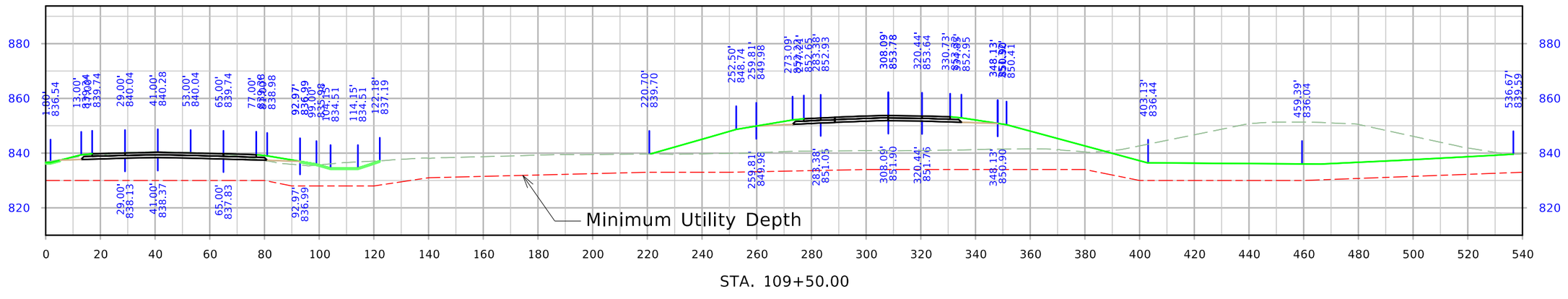
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.196

12:44:53 PM 10/12/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_W100_(U3).dgn

Prelim Utility Crossing





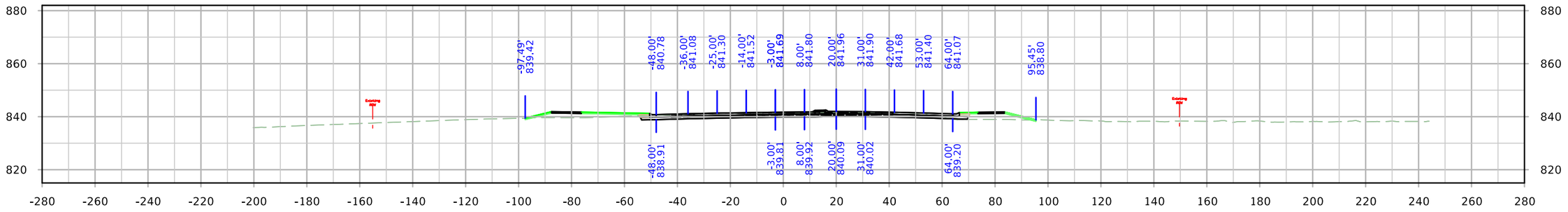


STA. 109+50.00

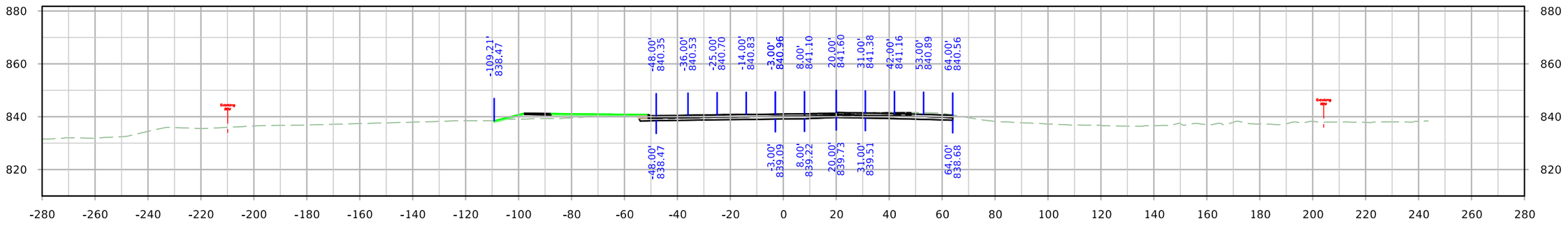
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER W.197

12:44:59 PM 10/12/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_W100_(U3).dgn

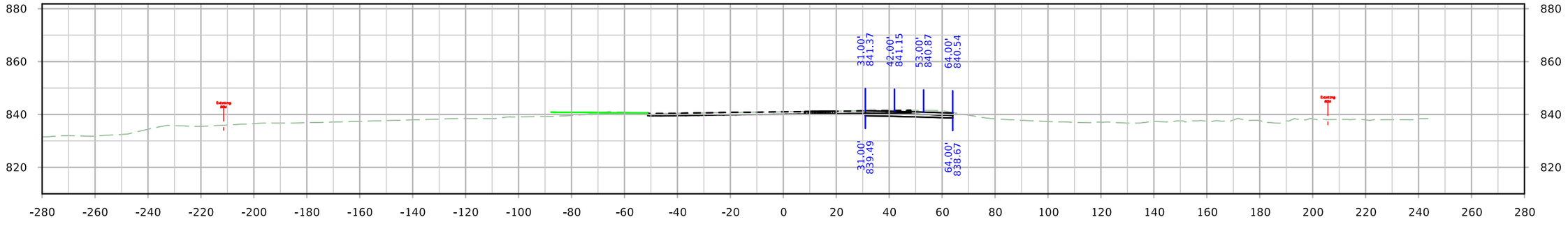
SRWRT



STA. 11+50.00



STA. 11+00.00

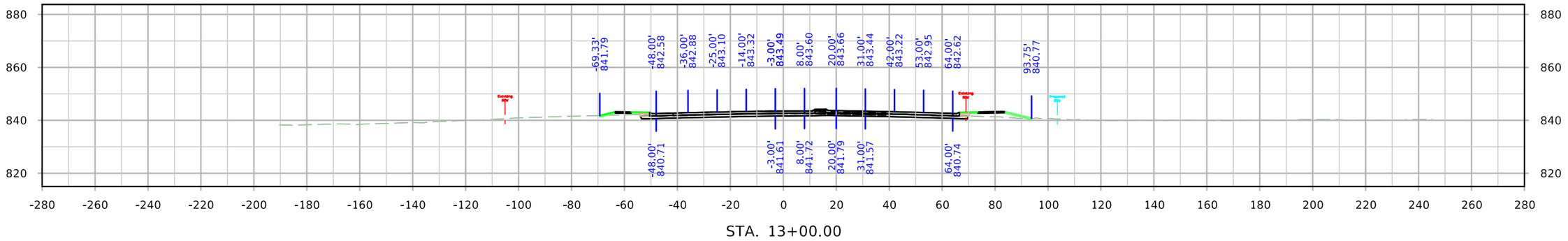


STA. 10+98.56

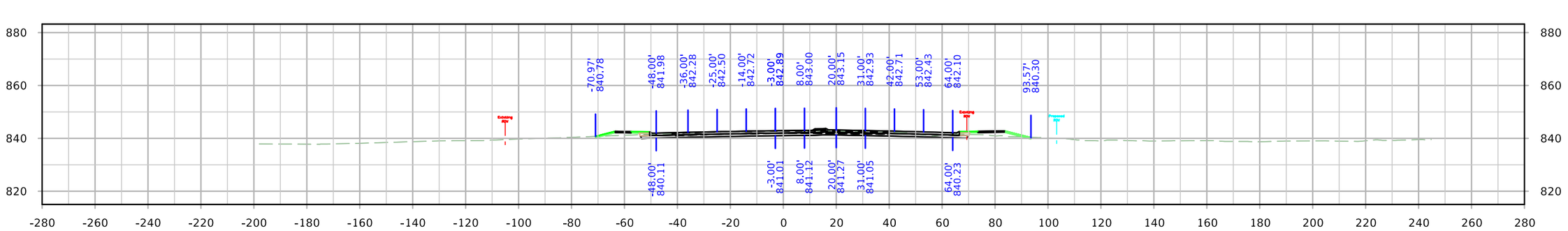
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER X.1

2:03:23 PM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_X01.dgn

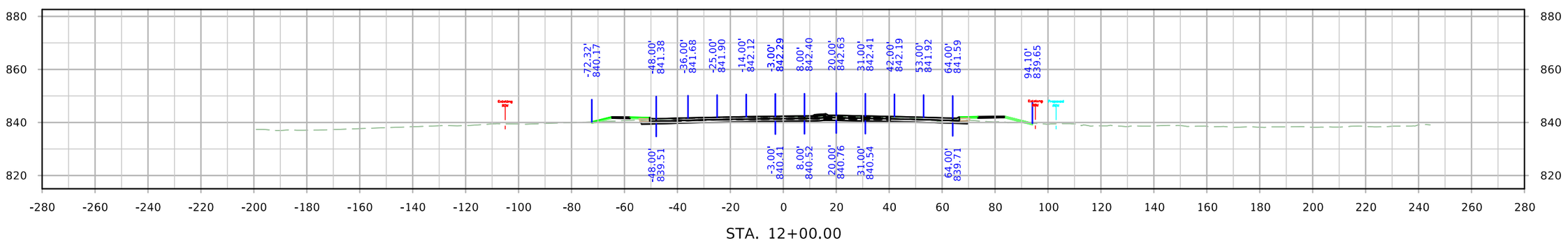
SRWRT



STA. 13+00.00



STA. 12+50.00

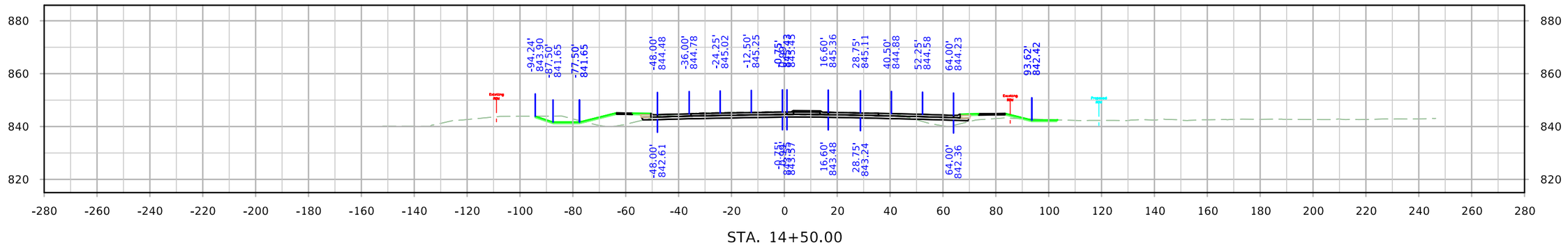


STA. 12+00.00

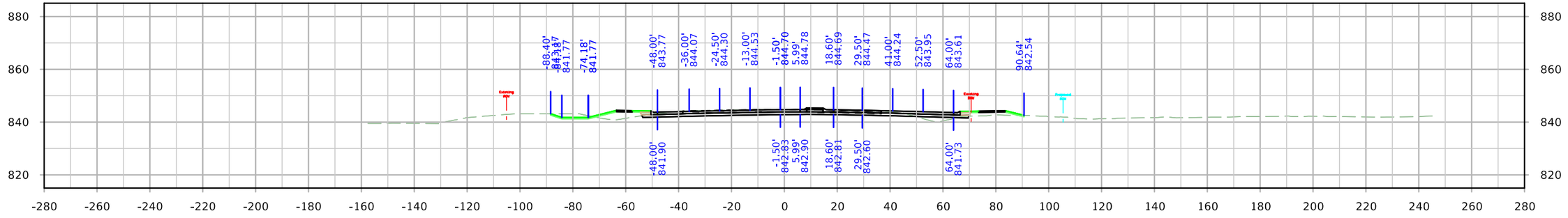
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER X.2

2:03:25 PM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_X01.dgn

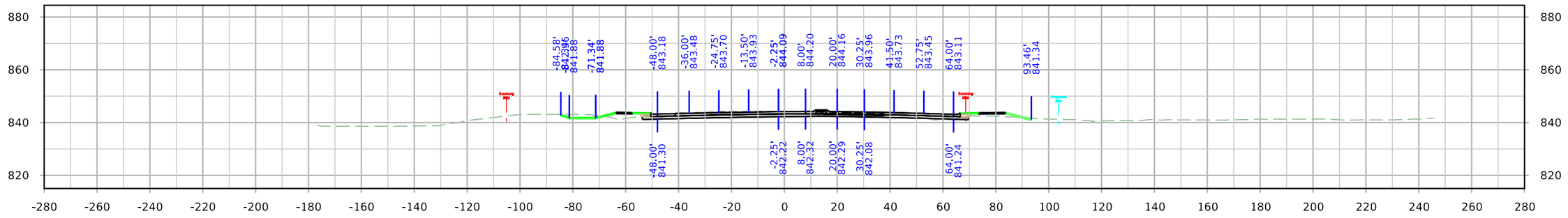
SRWRT



STA. 14+50.00



STA. 14+00.00

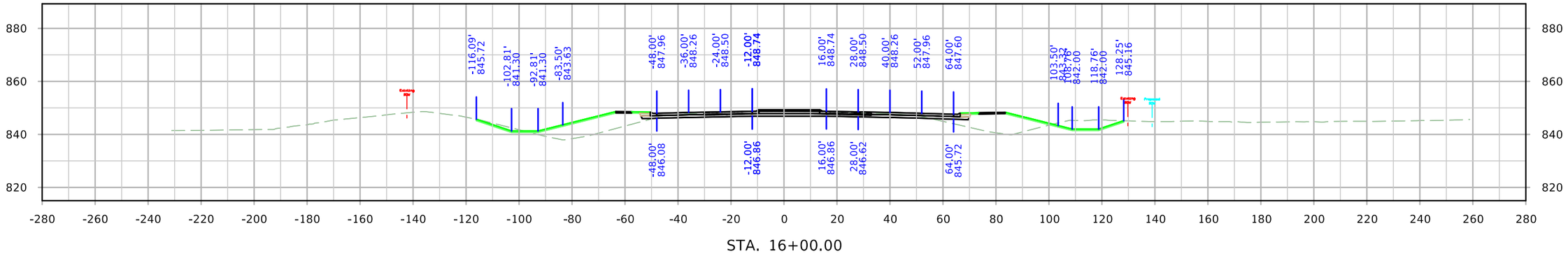


STA. 13+50.00

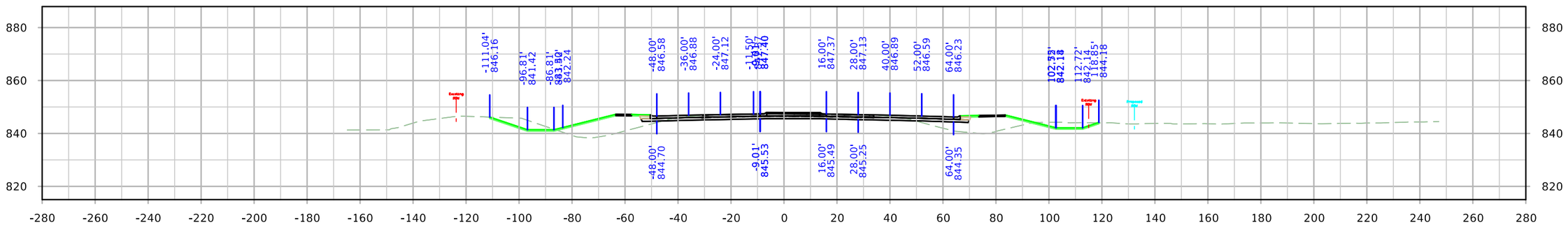
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER X.3

2:03:27 PM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_X01.dgn

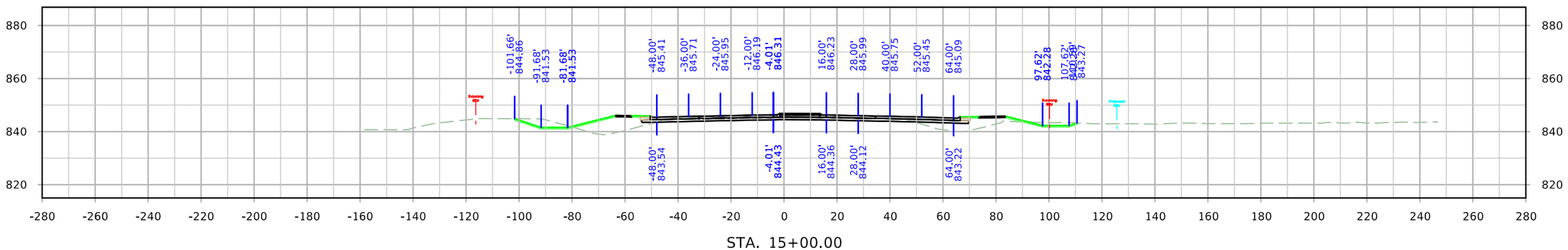
SRWRT



STA. 16+00.00



STA. 15+50.00



STA. 15+00.00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER X.4

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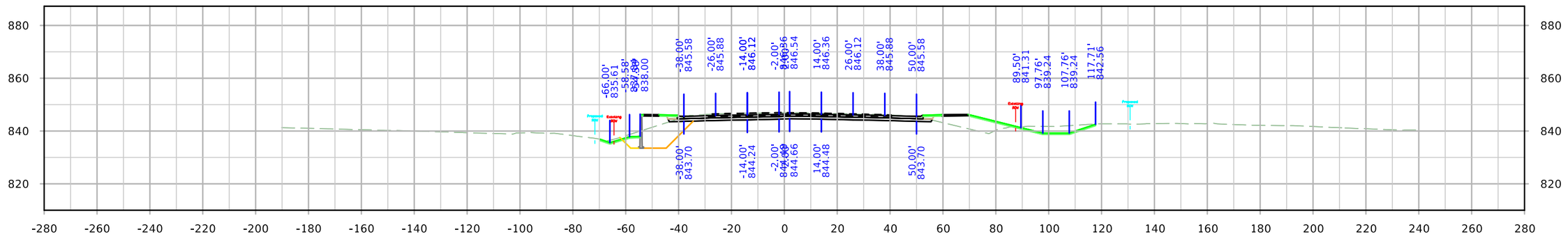
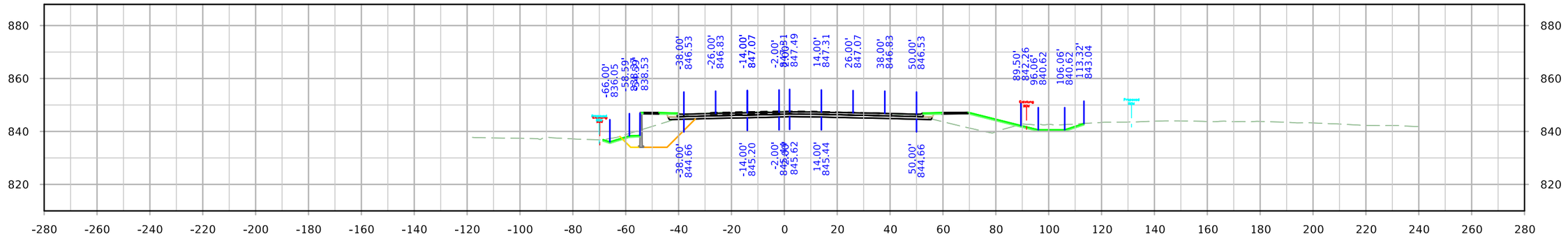
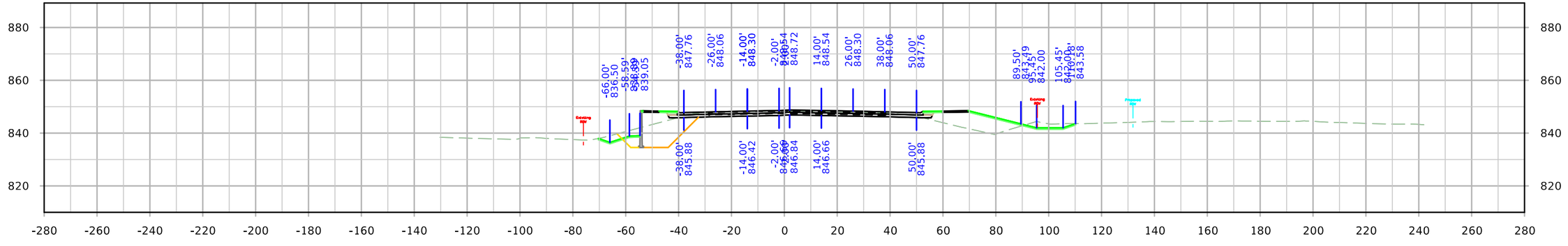


STA. 33+50.00



STA. 33+00.00



STA. 32+50.00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER X.5

2:03:32 PM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_X01.dgn

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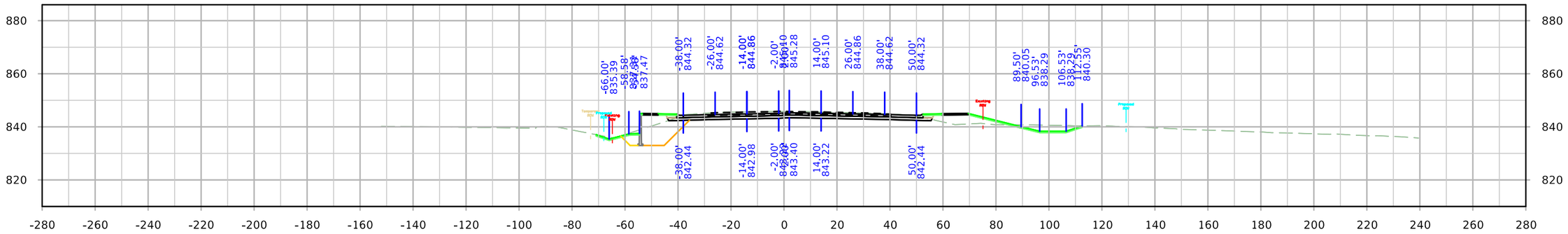
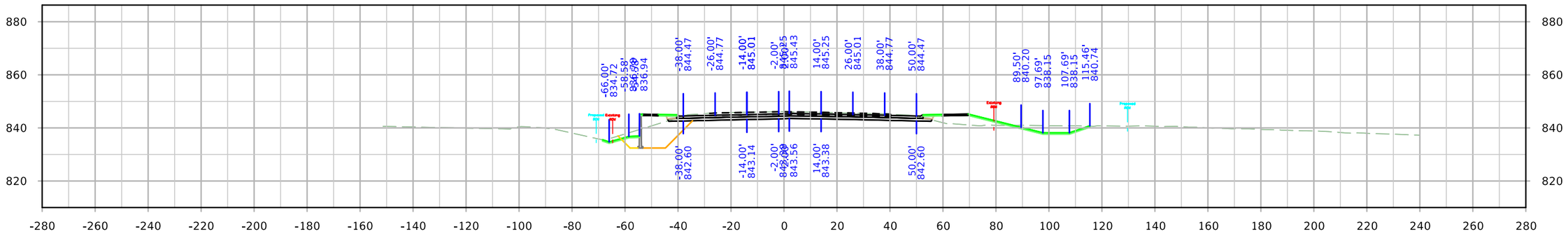


STA. 35+00.00



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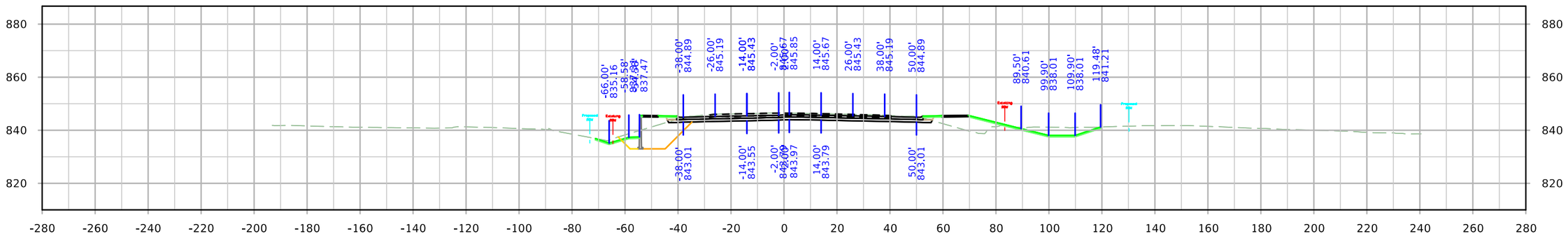

STA. 34+00.00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER X.6

2:03:34 PM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_X01.dgn

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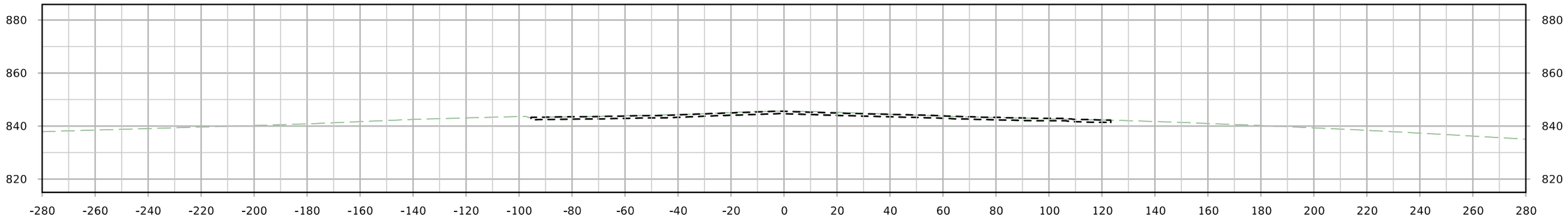

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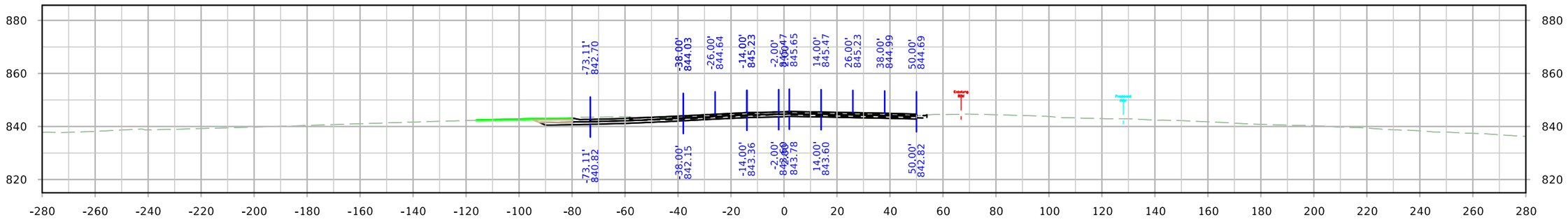

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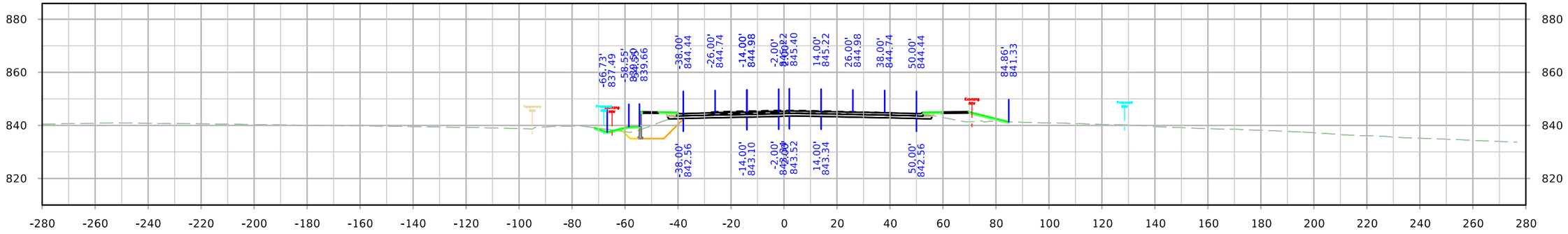

STA. 35+50.00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER X.7	

2:03:37 PM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_X01.dgn

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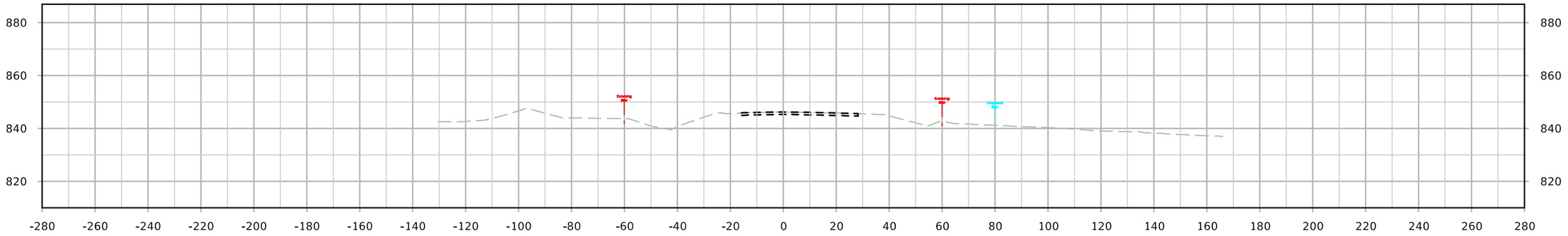
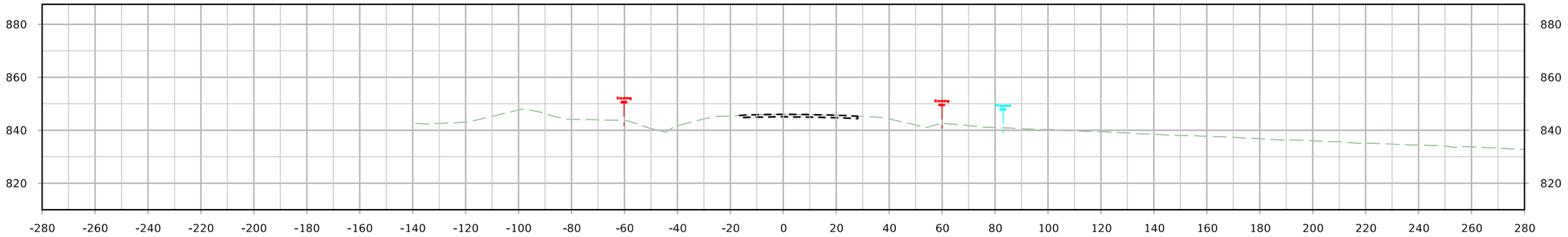
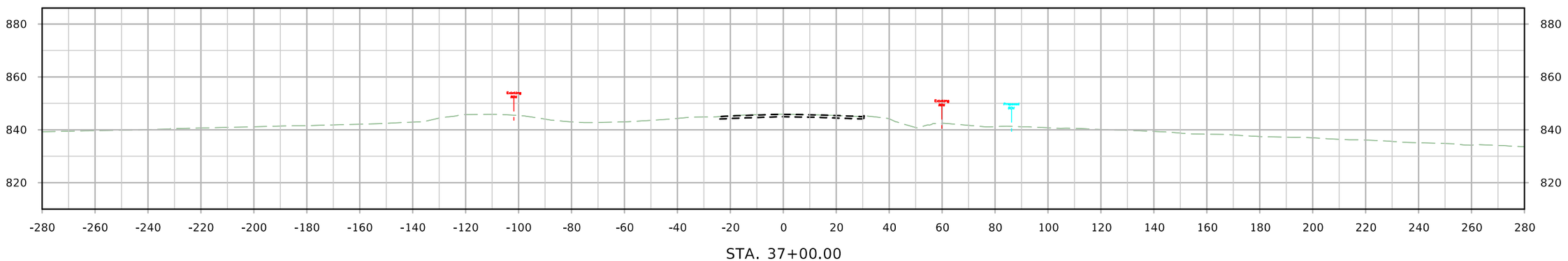


STA. 38+00.00



STA. 37+50.00



STA. 37+00.00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER X.8

2:03:39 PM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_X01.dgn

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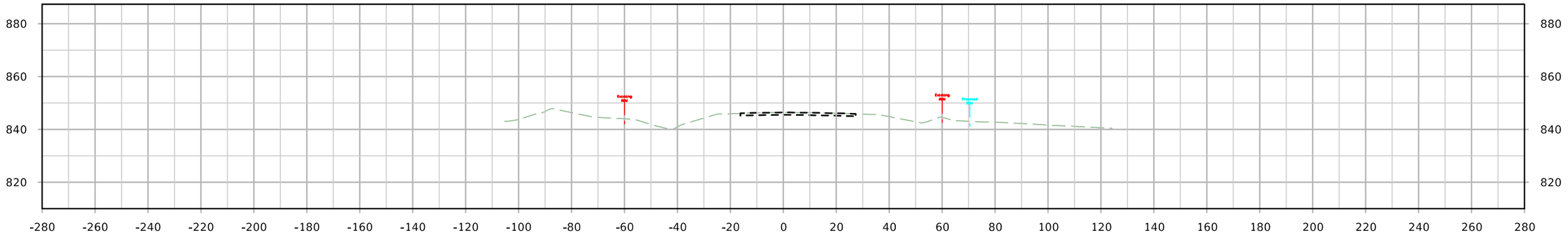
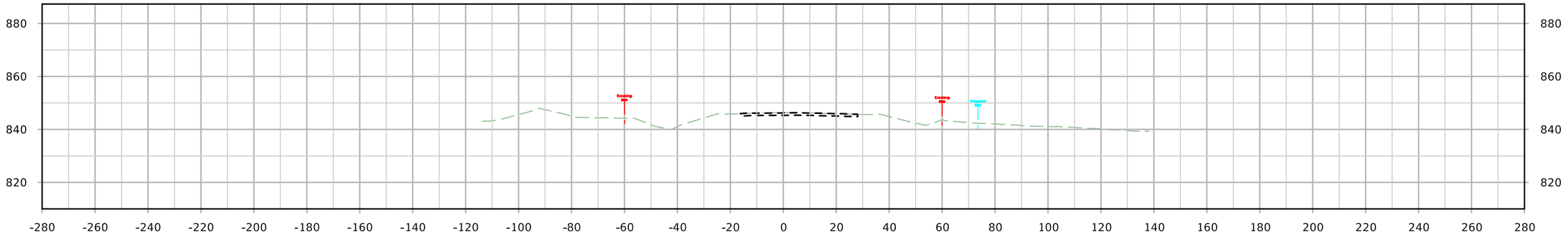
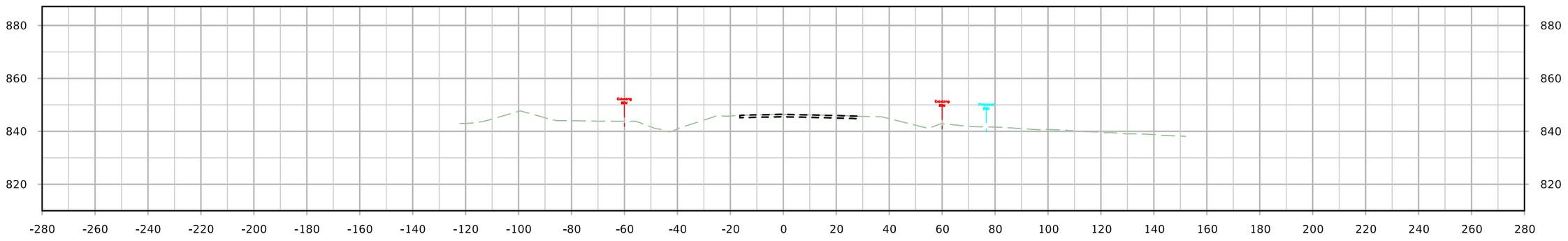


STA. 39+50.00



STA. 39+00.00



STA. 38+50.00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER X.9

2:03:40 PM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_X01.dgn

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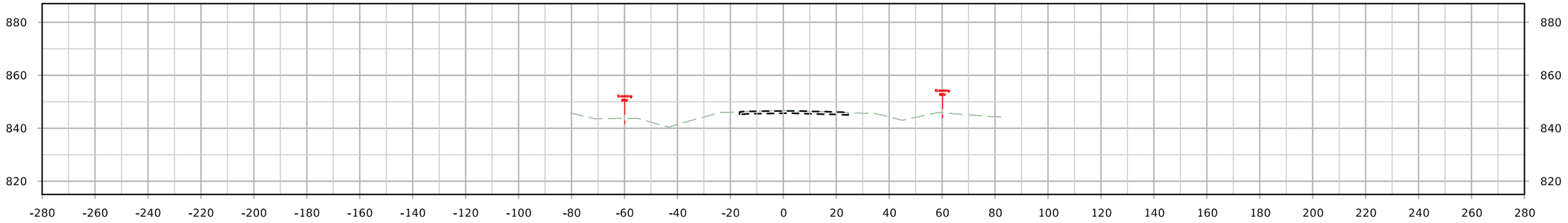
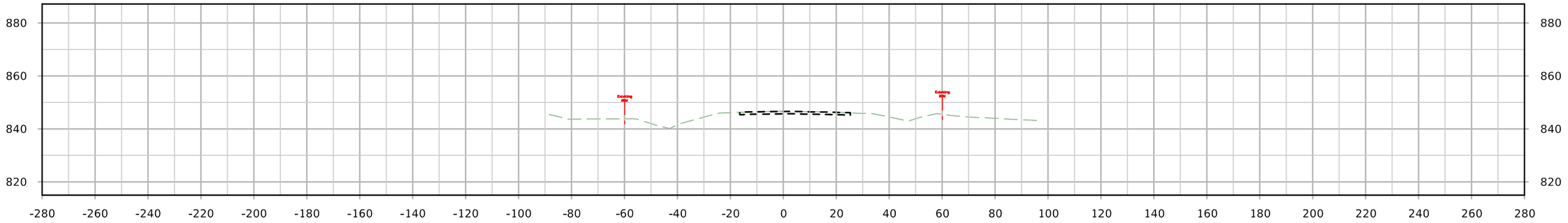


STA. 41+00.00



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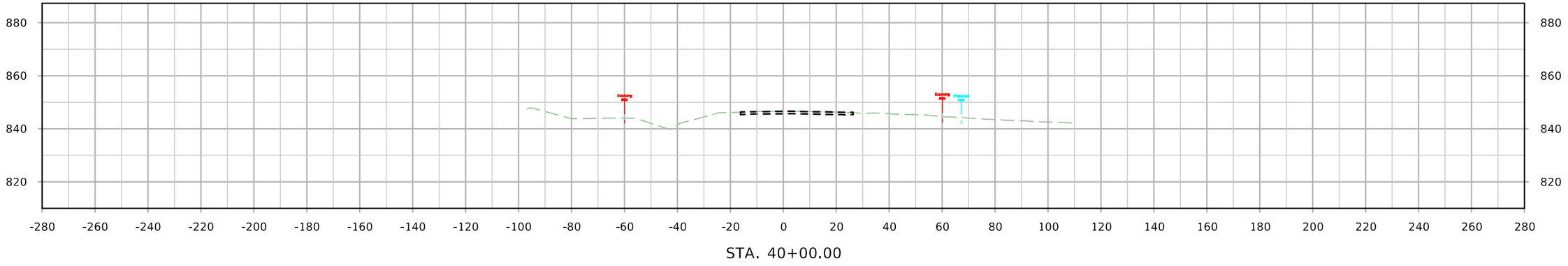

STA. 40+00.00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER X.10

2:03:42 PM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_X01.dgn

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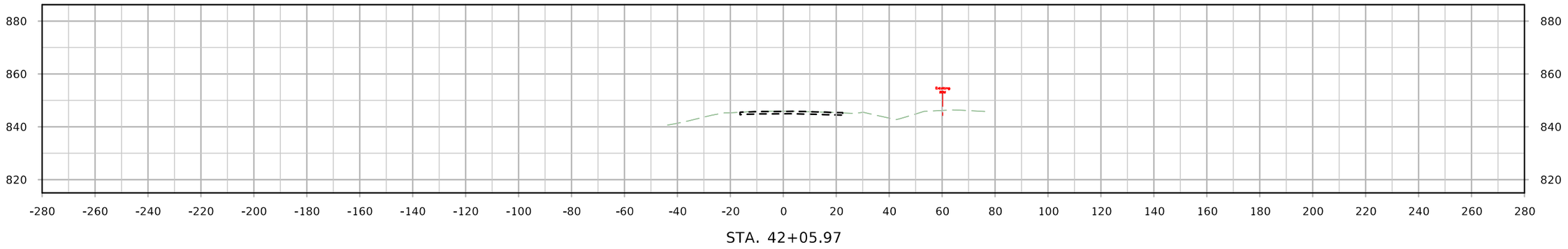
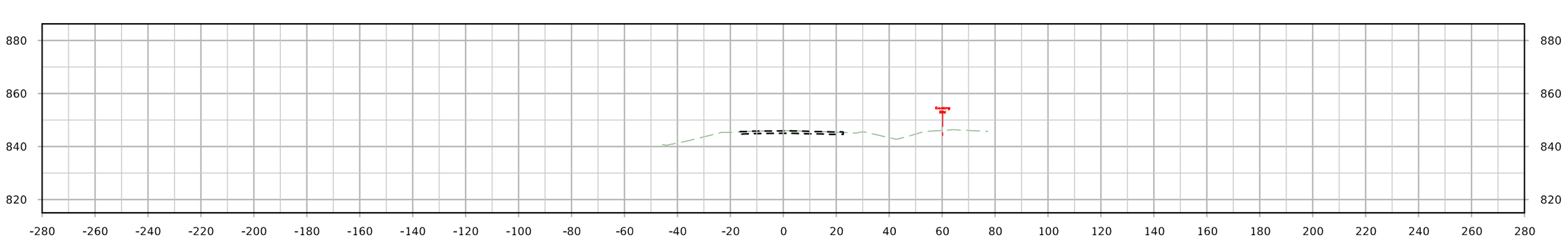


STA. 42+05.97



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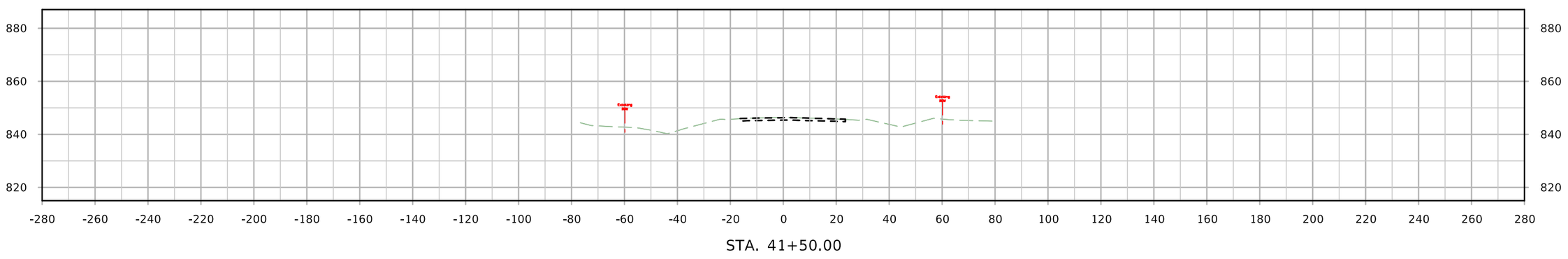

STA. 41+50.00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER X.11

2:03:43 PM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_X01.dgn

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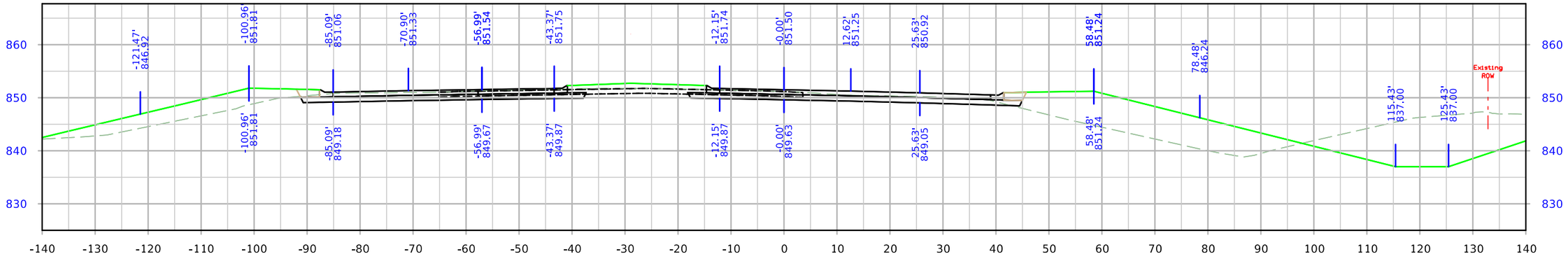

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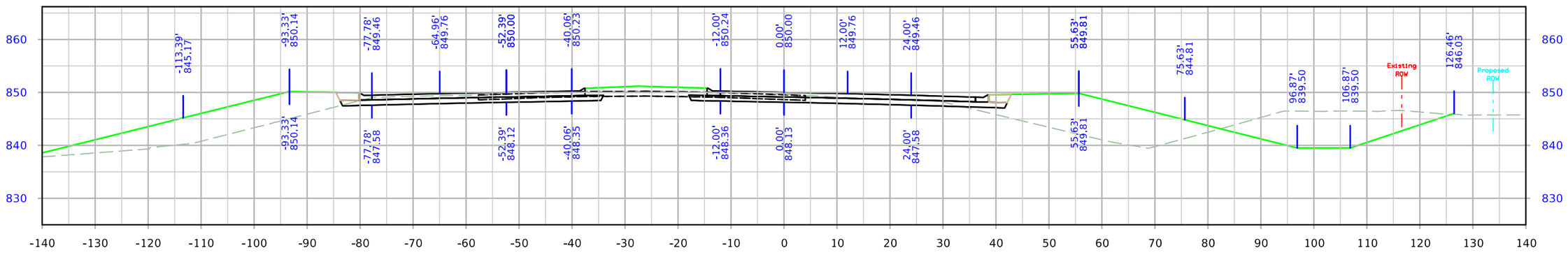

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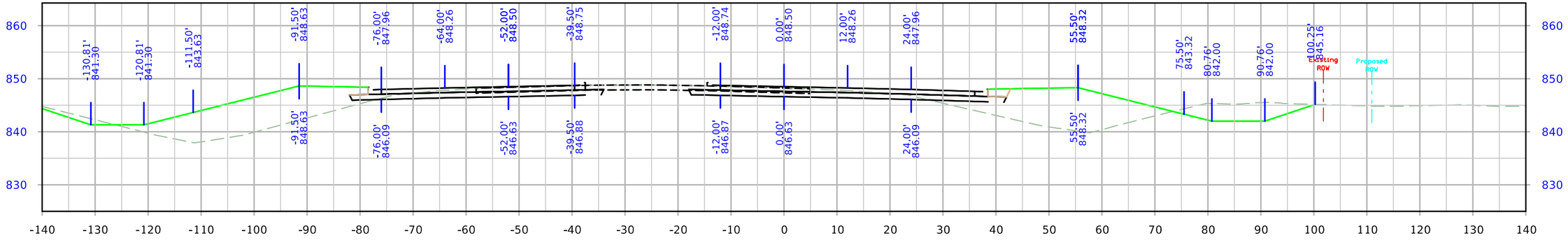
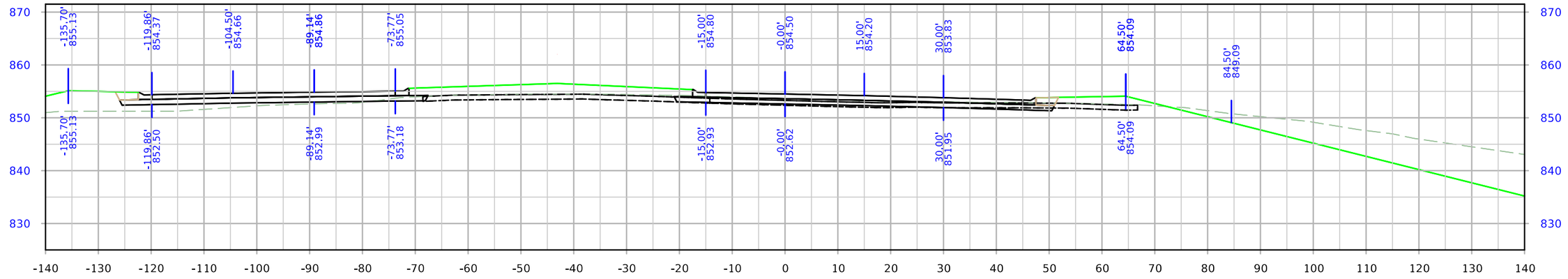


STA. 816+00.00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER X.12

2:04:09 PM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_X12.dgn

SRWRT_EB



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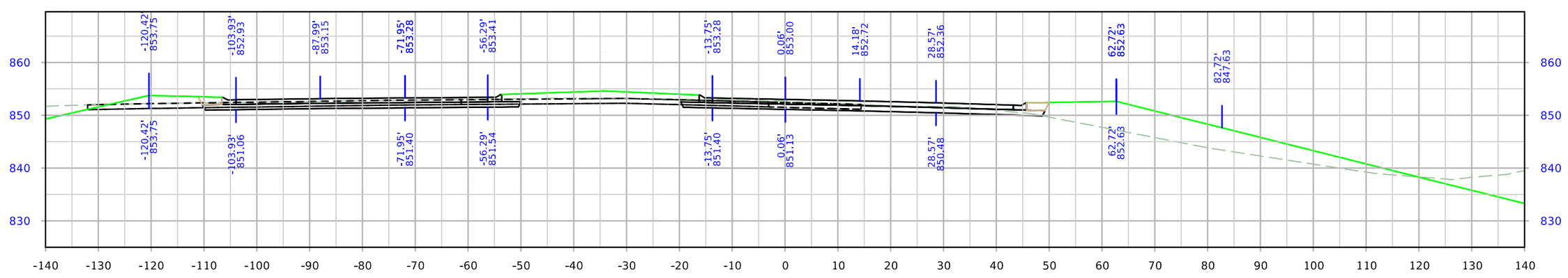

STA. 817+50.00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER X.13

2:04:16 PM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_X12.dgn

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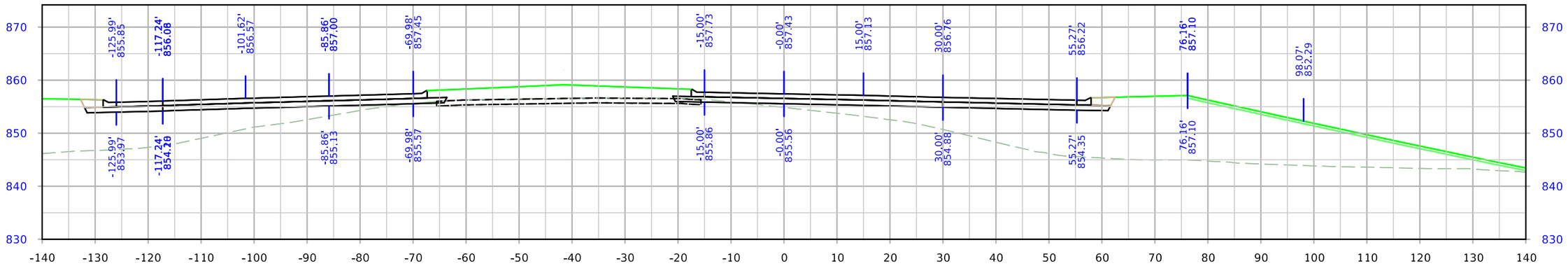

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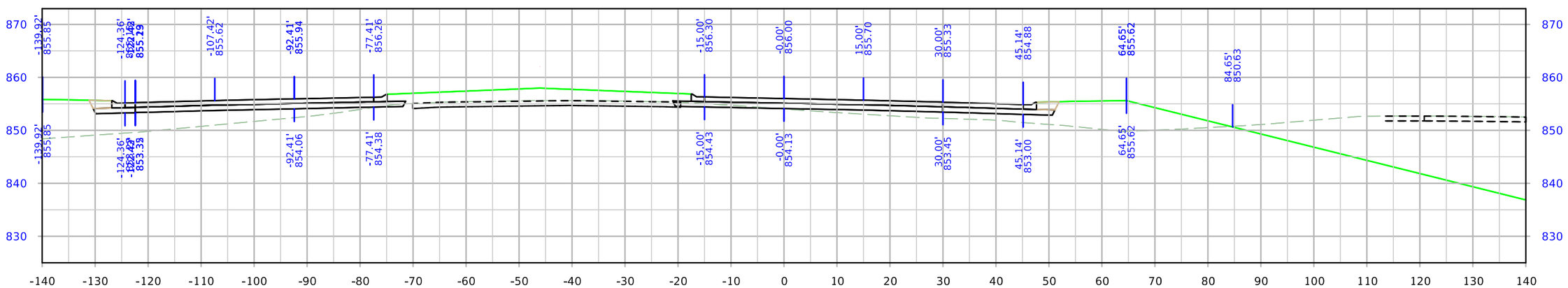

STA. 818+50.00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER X.14

2:04:24 PM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_X12.dgn

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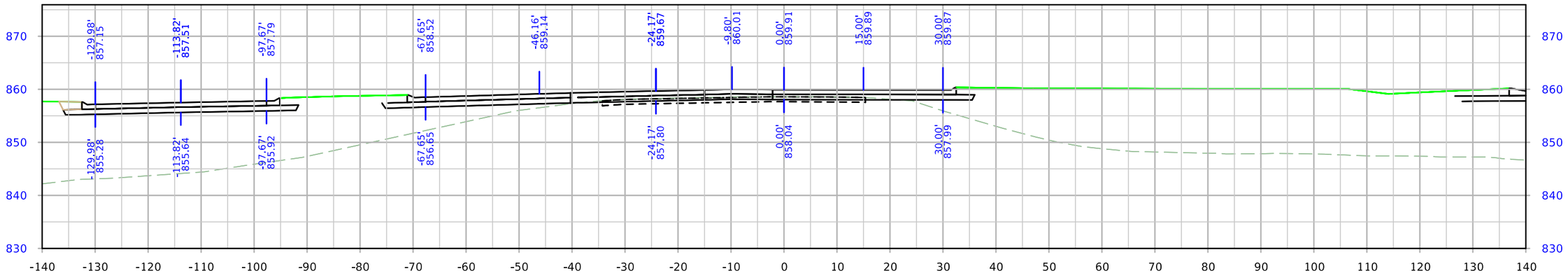
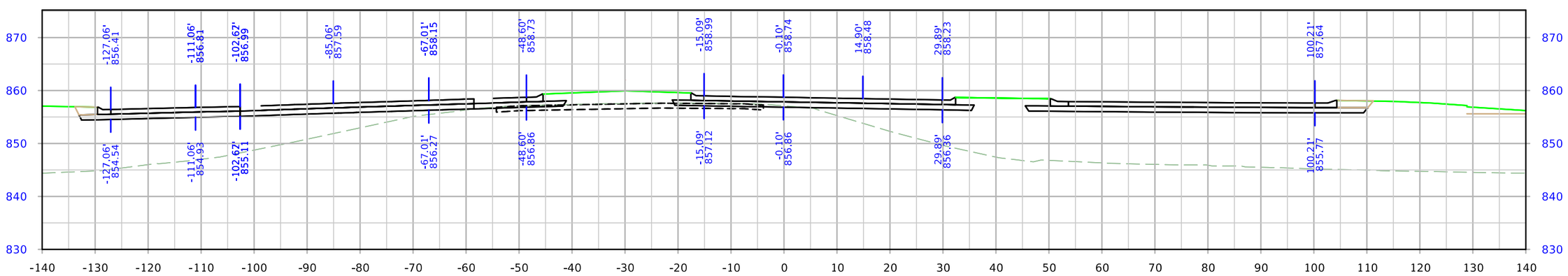


STA. 820+00.00



STA. 819+50.00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER X.15

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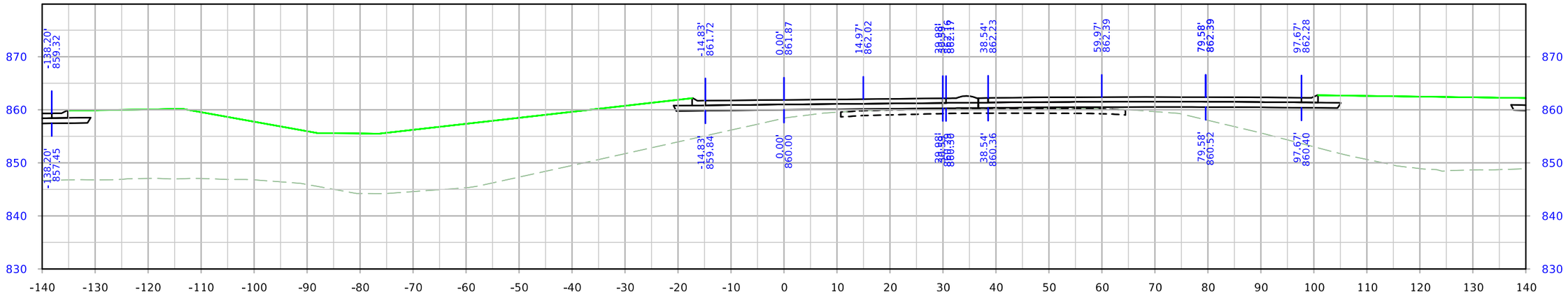
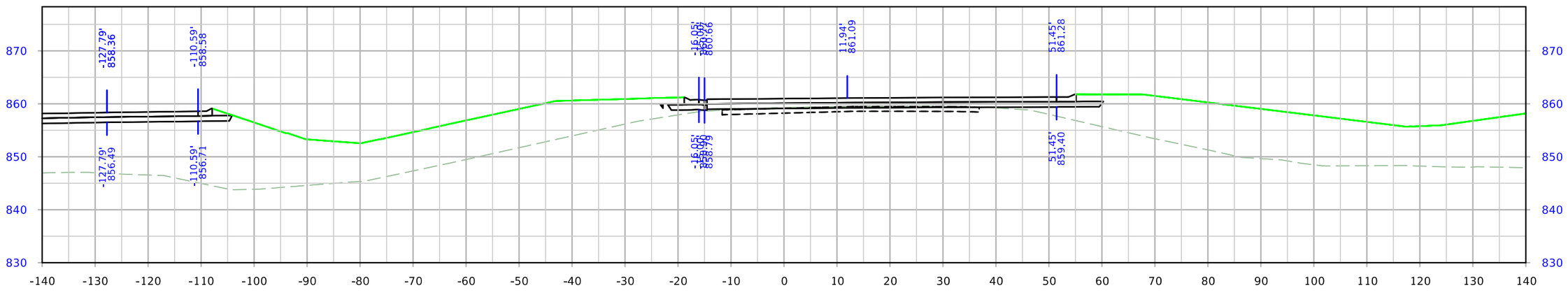
SRWRT_EB



STA. 821+00.00

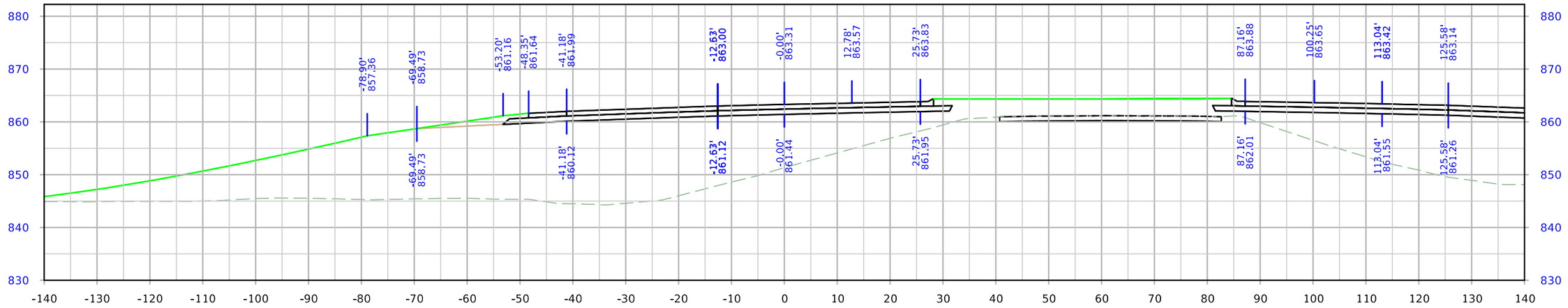


STA. 820+50.00

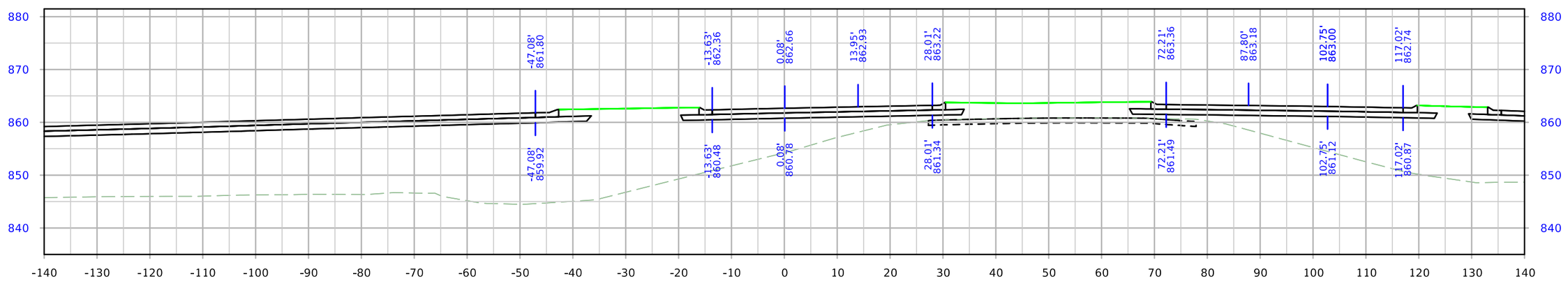
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER X.16

2:04:37 PM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_X12.dgn

SRWRT_EB



STA. 822+00.00

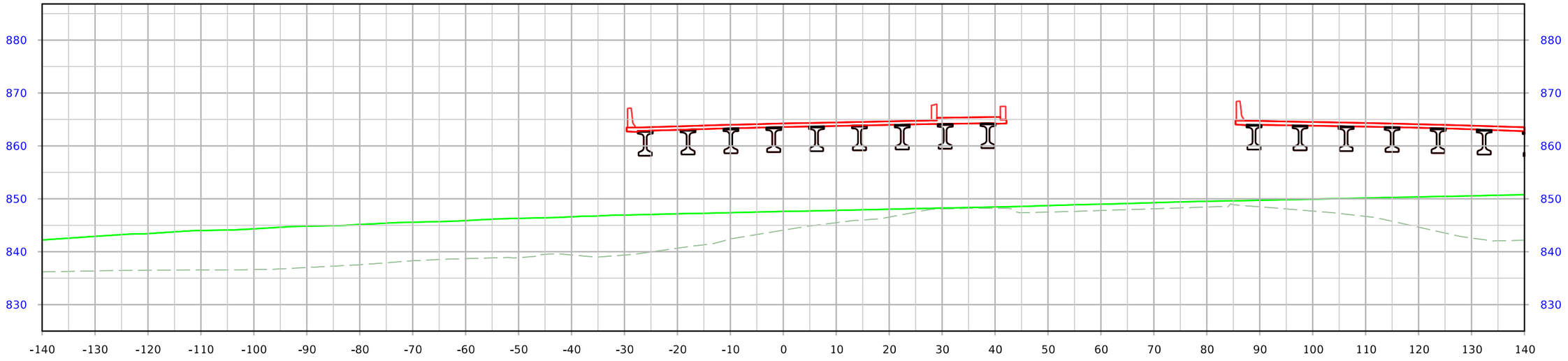


STA. 821+50.00

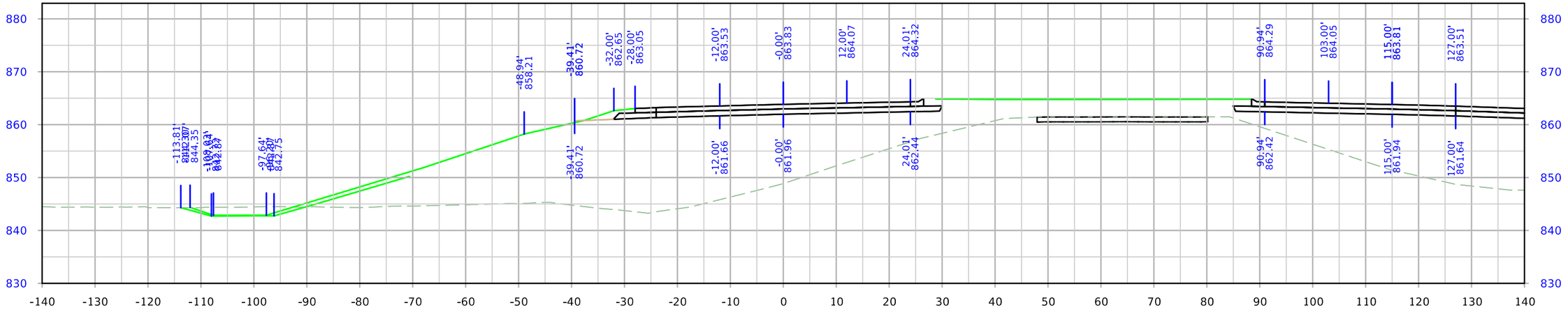
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER X.17

2:04:43 PM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_X12.dgn

SRWRT_EB



STA. 823+00.00

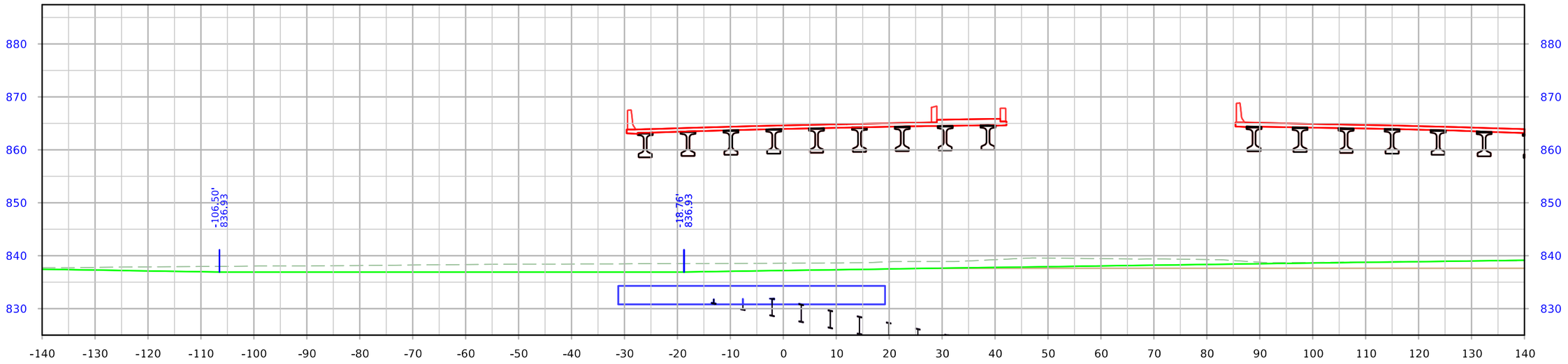


STA. 822+50.00

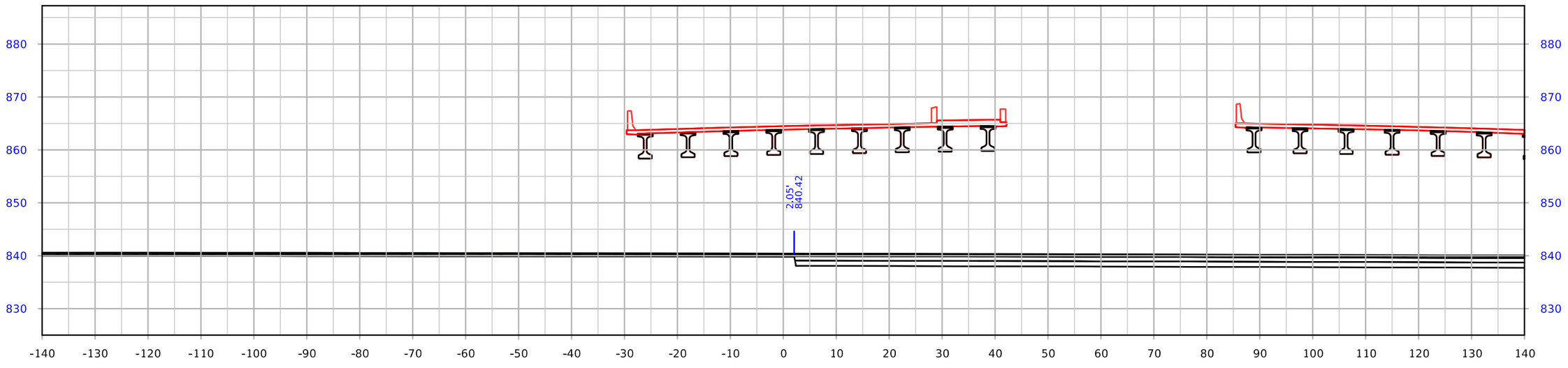
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER X.18

2:04:49 PM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_X12.dgn

SRWRT_EB



STA. 824+00.00



STA. 823+50.00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER X.19

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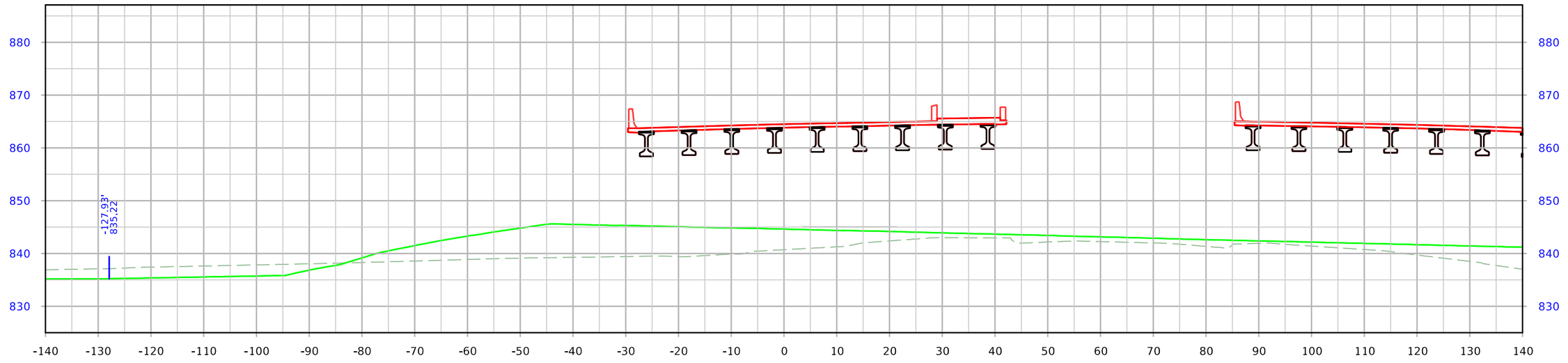
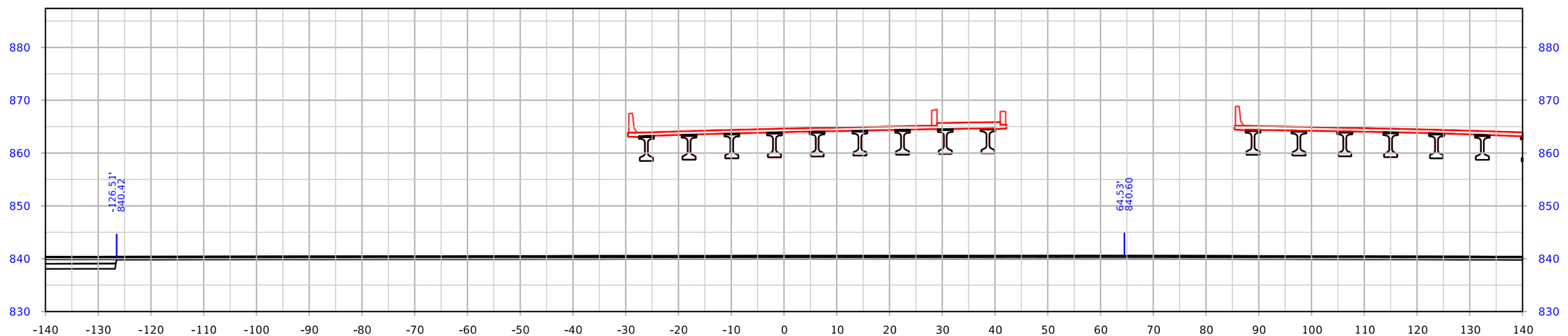
SRWRT_EB



STA. 825+00.00



STA. 824+50.00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER X.20

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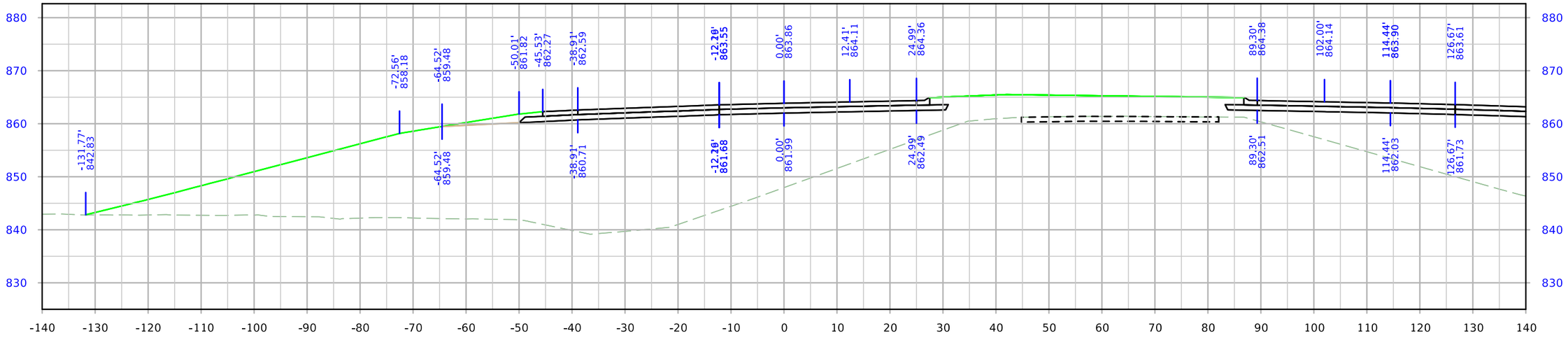
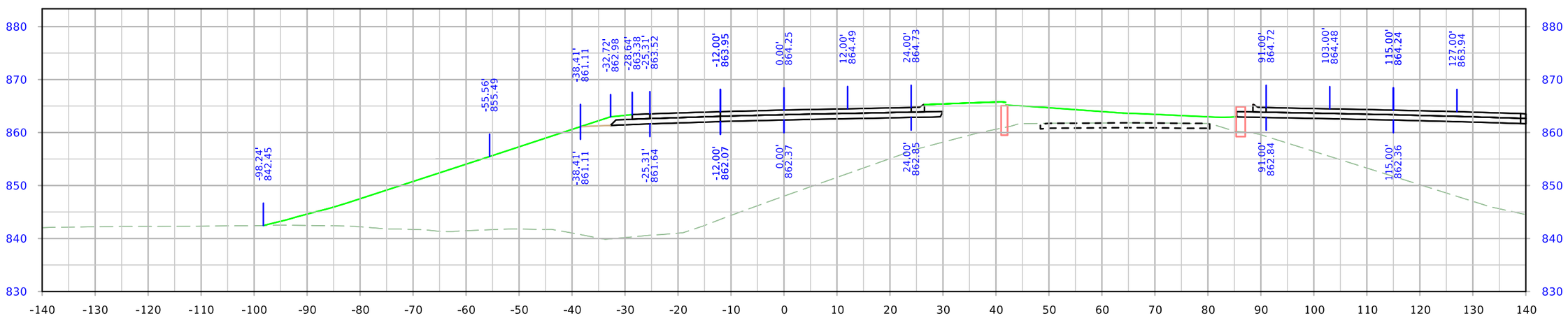


STA. 826+00.00



STA. 825+50.00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER X.21

2:05:11 PM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_X12.dgn

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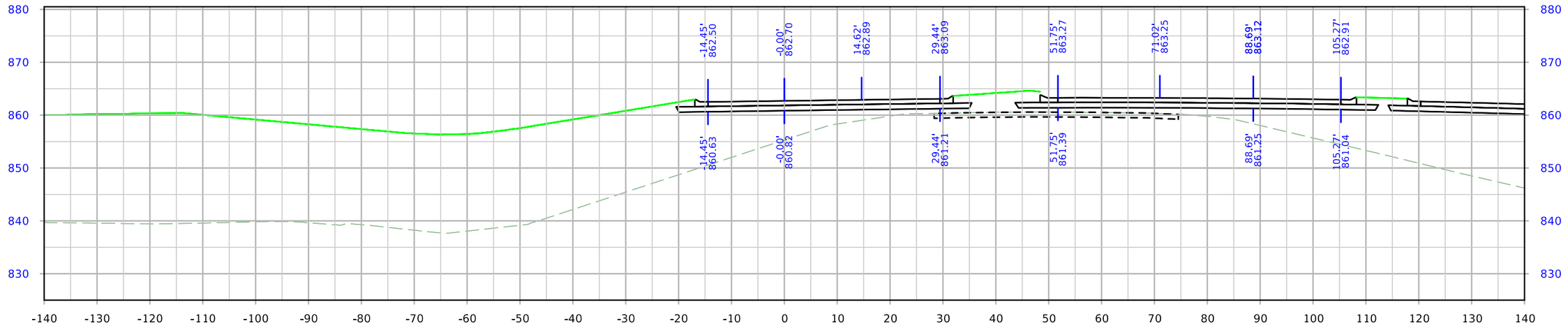
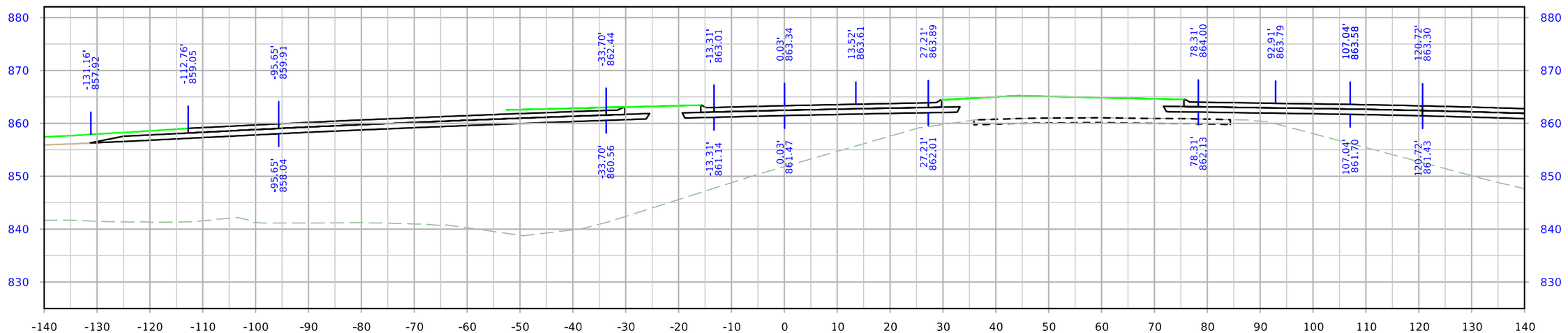


STA. 827+00.00



STA. 826+50.00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER X.22

2:05:18 PM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_X12.dgn

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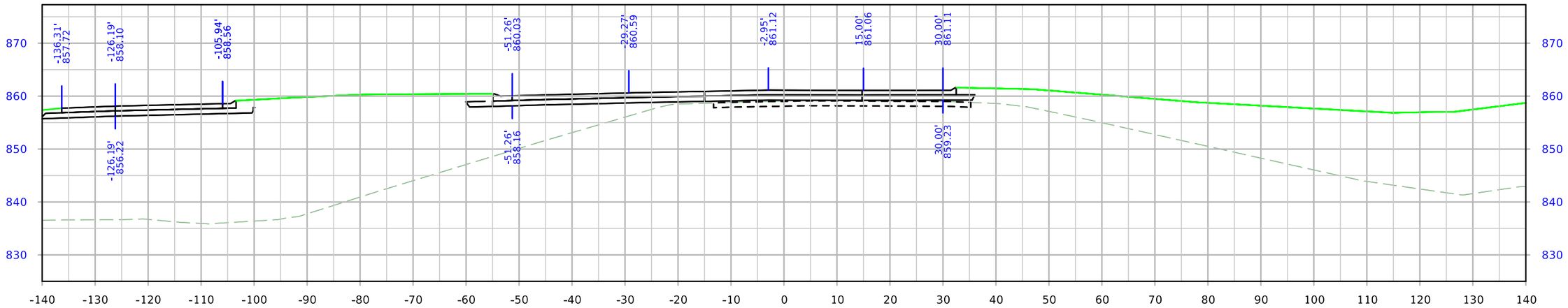
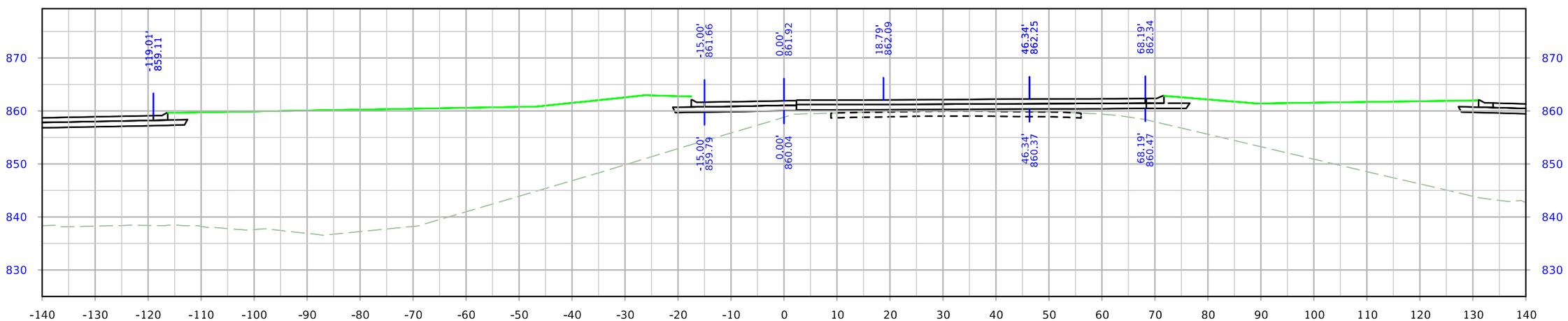


STA. 828+00.00



STA. 827+50.00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER X.23

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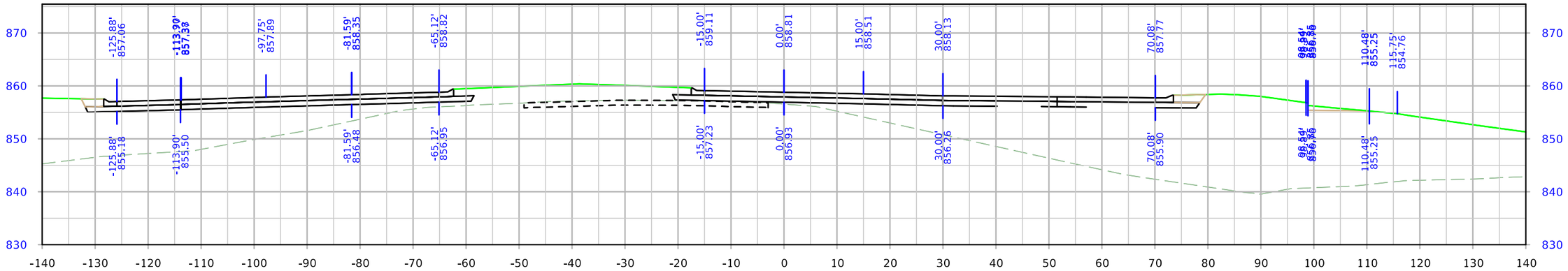
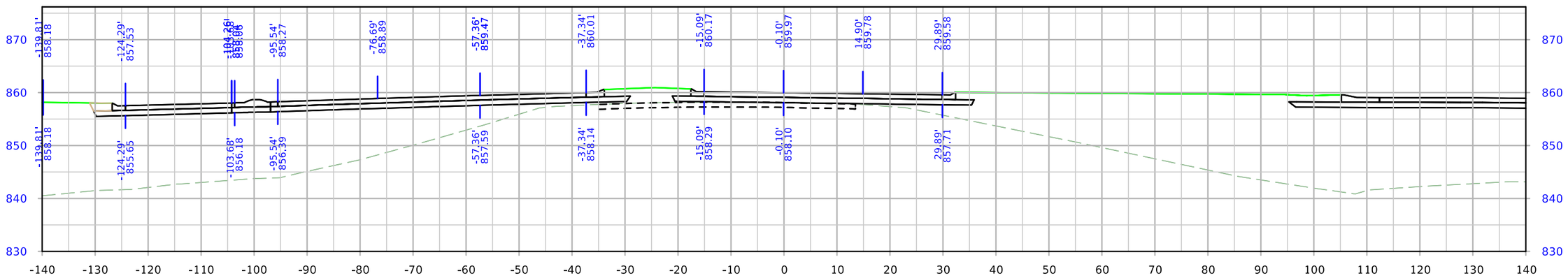


STA. 829+00.00



STA. 828+50.00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER X.24

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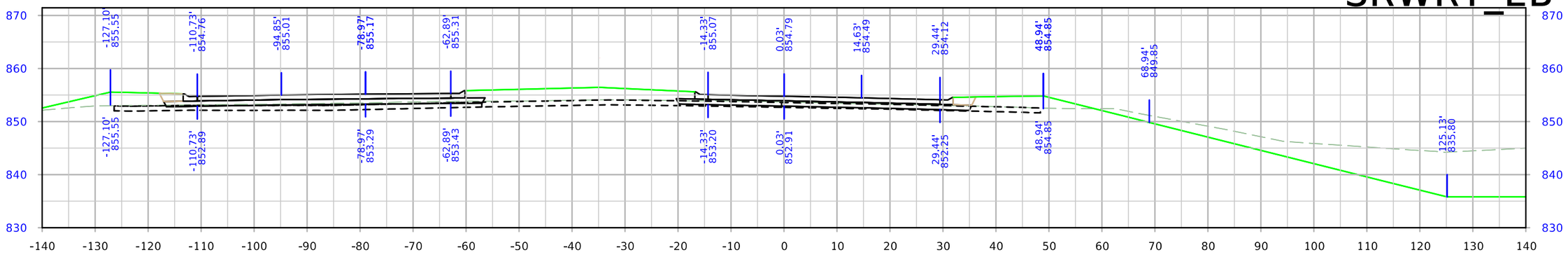

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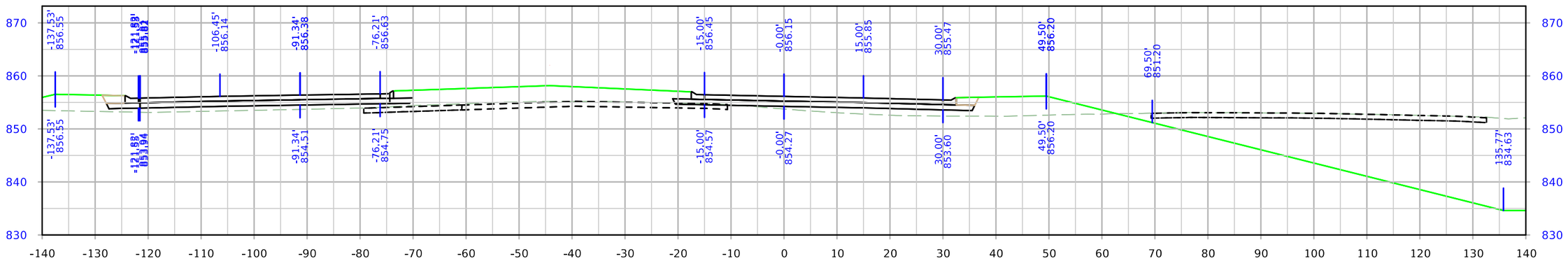

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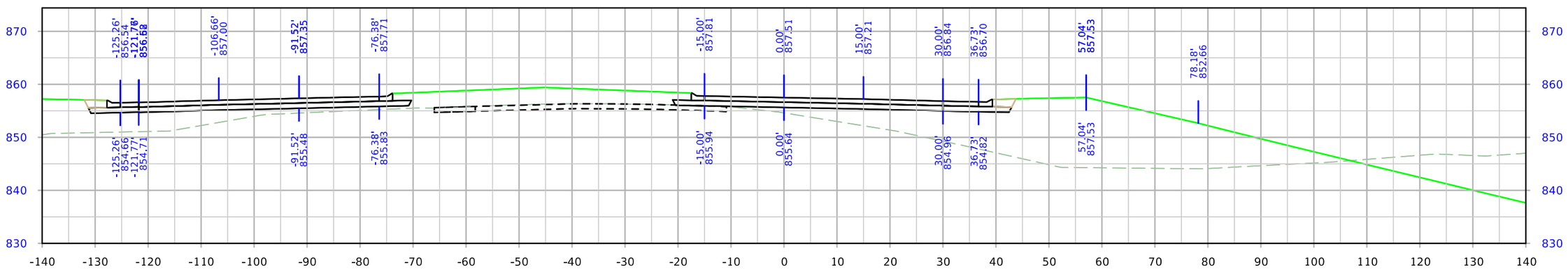

STA. 829+50.00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER X.25

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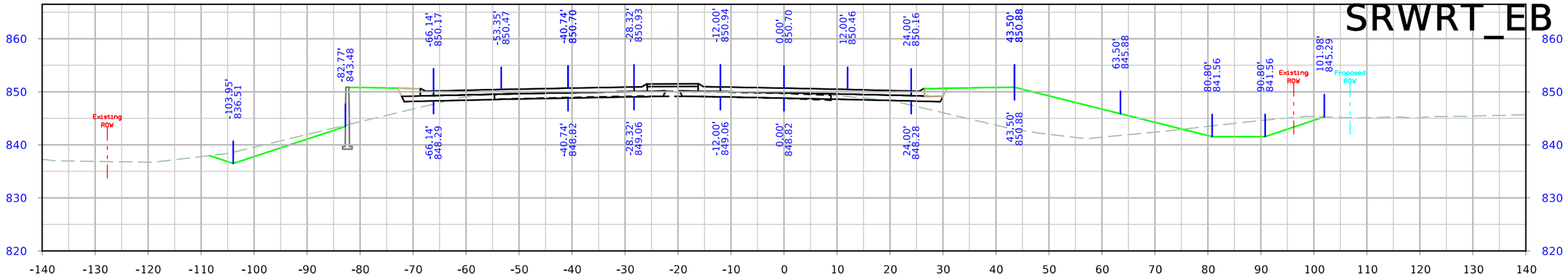
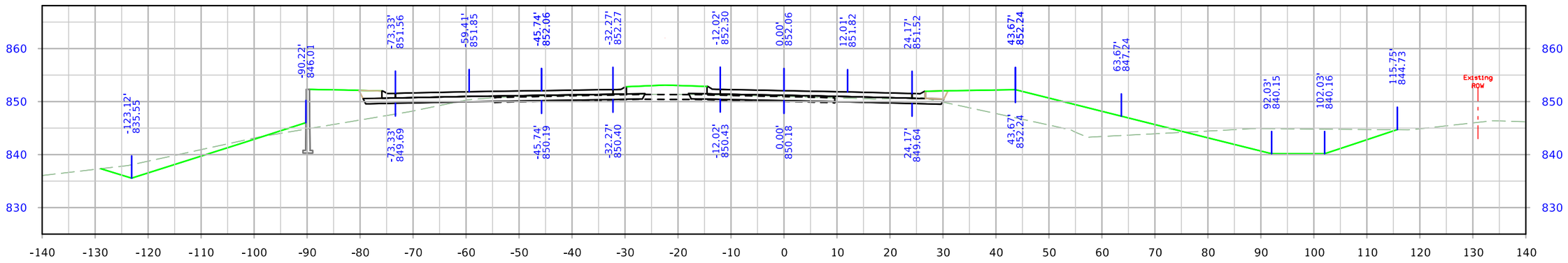
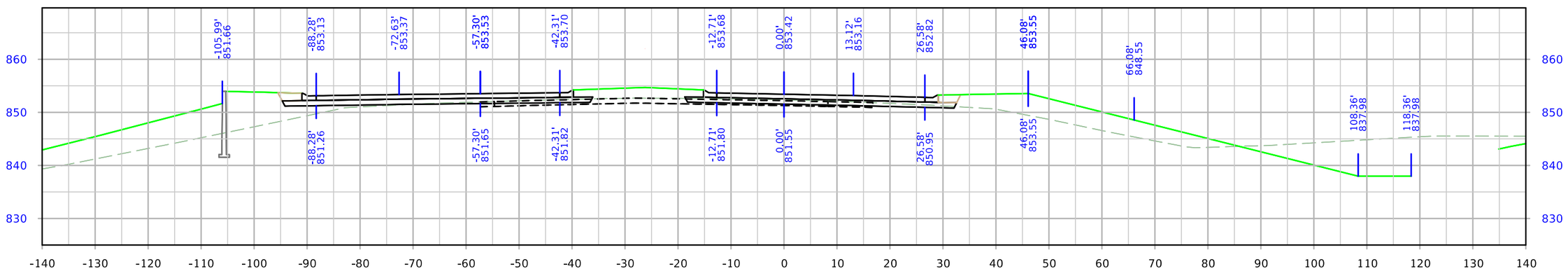


STA. 832+00.00



STA. 831+50.00



STA. 831+00.00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER X.26

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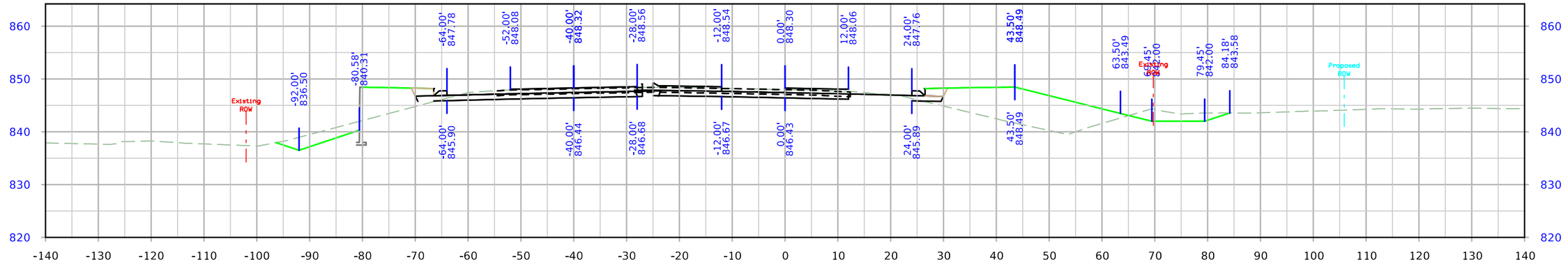
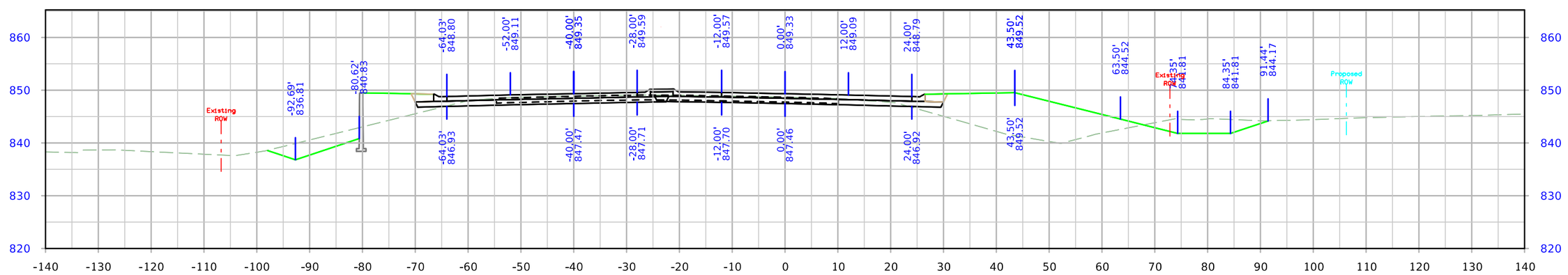


STA. 832+87.95



STA. 832+50.00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER X.27

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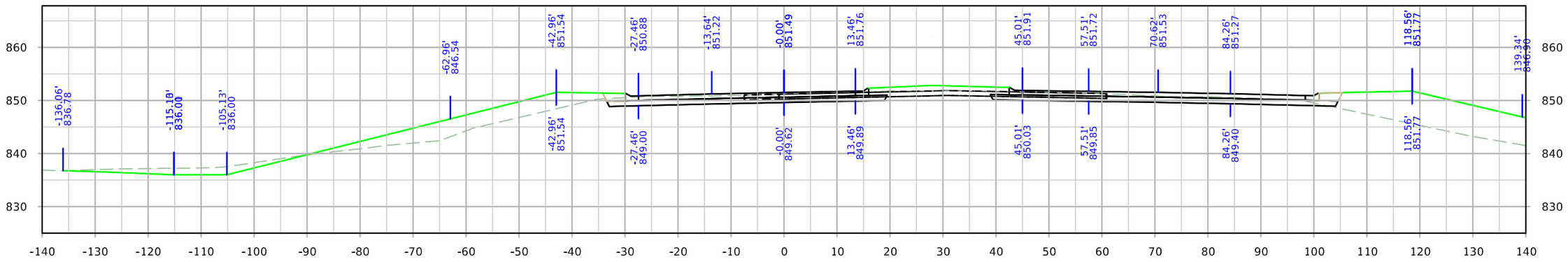
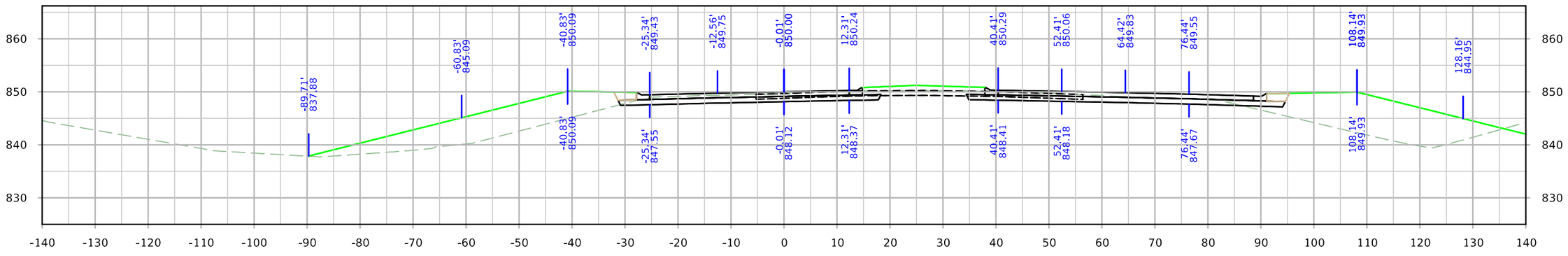
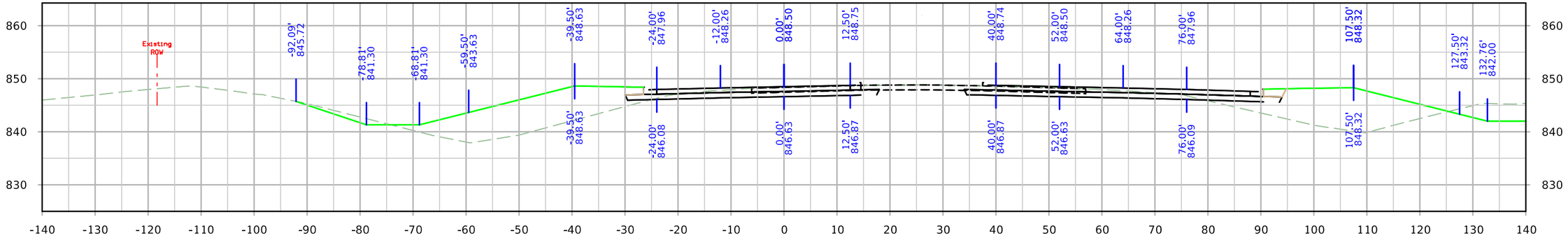


STA. 917+00.00



STA. 916+50.00



STA. 916+00.00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER X.28	

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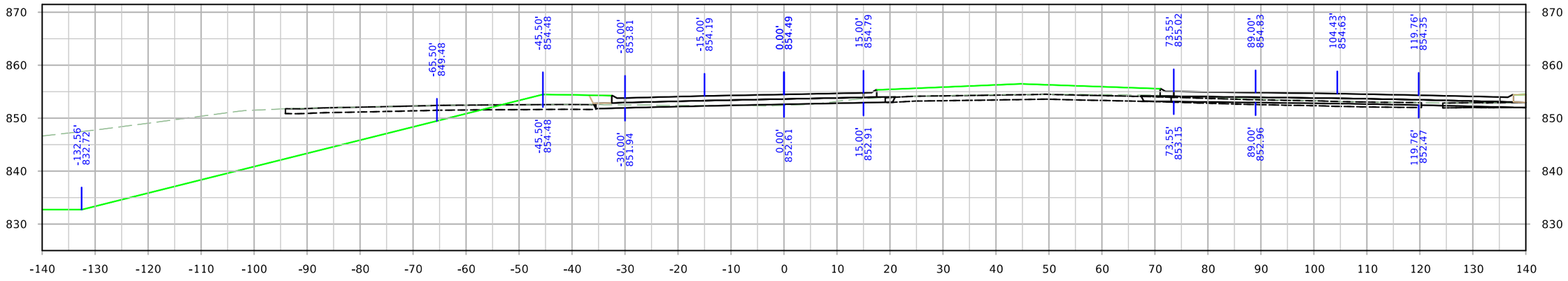
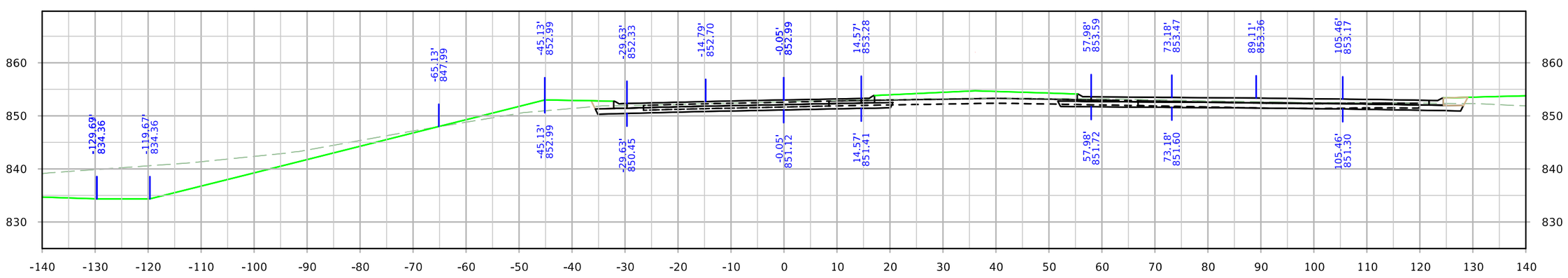


STA. 918+00.00



STA. 917+50.00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER X.29

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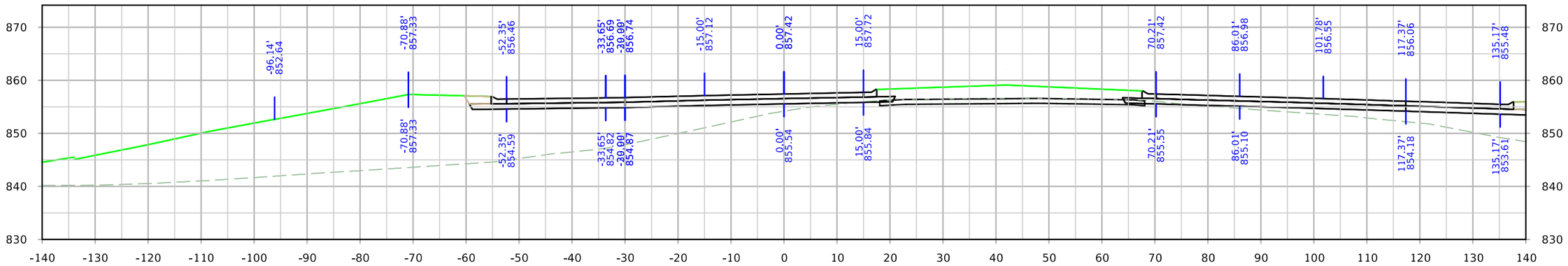

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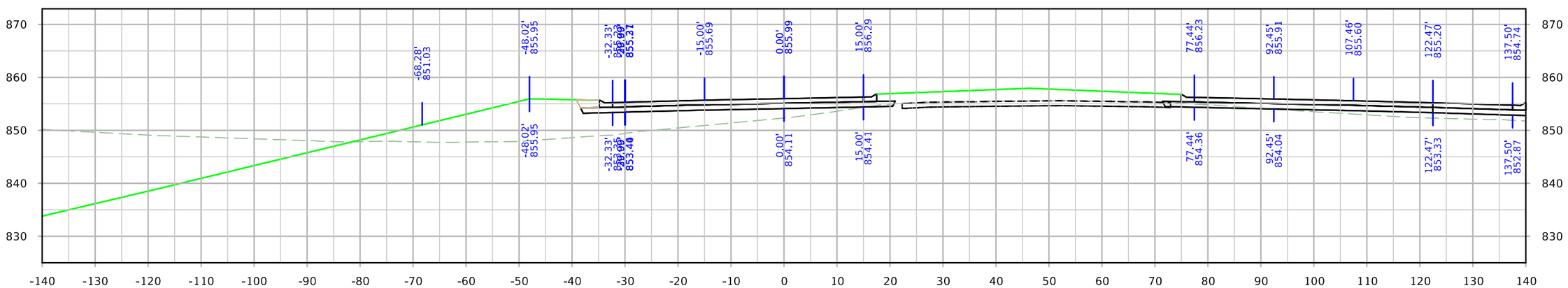

STA. 918+50.00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER X.30

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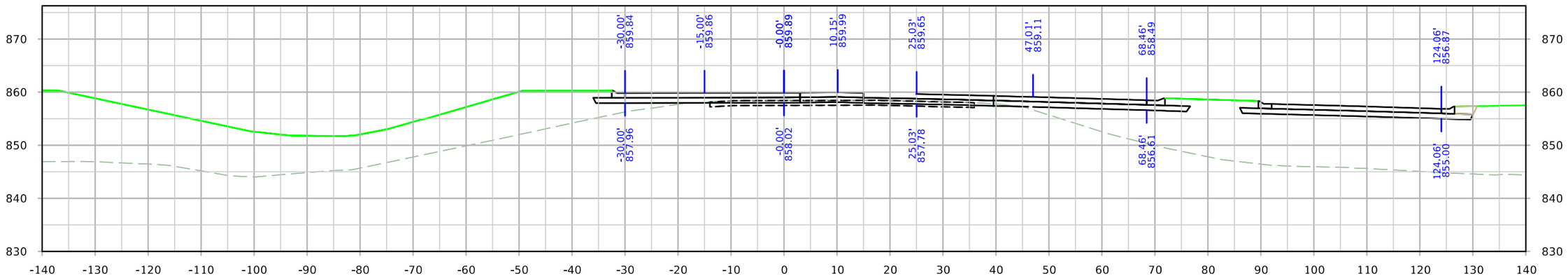
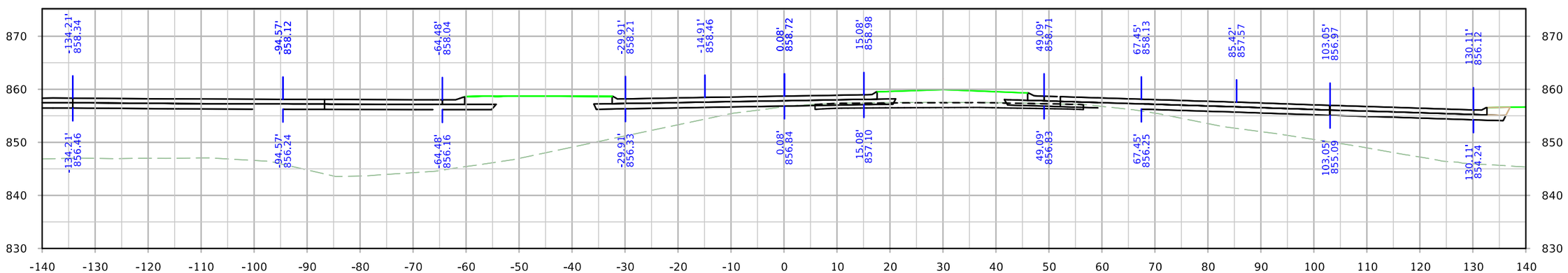


STA. 920+00.00



STA. 919+50.00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER X.31

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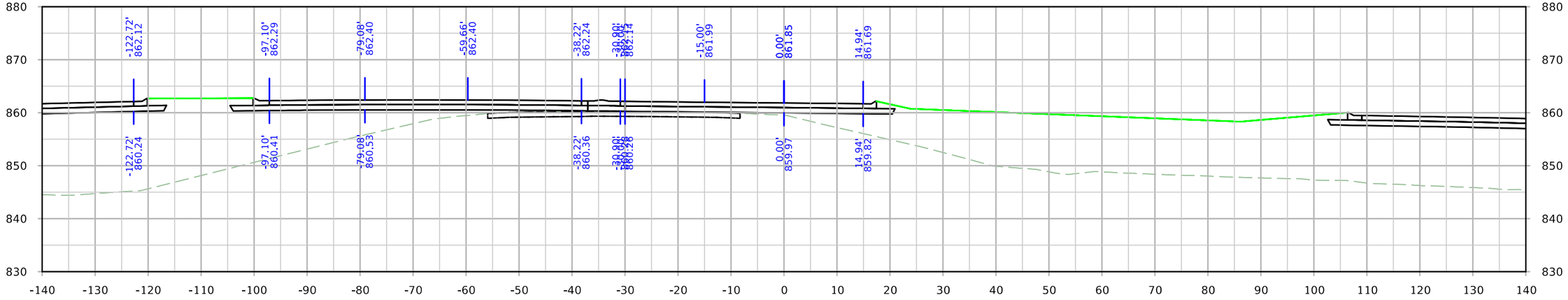
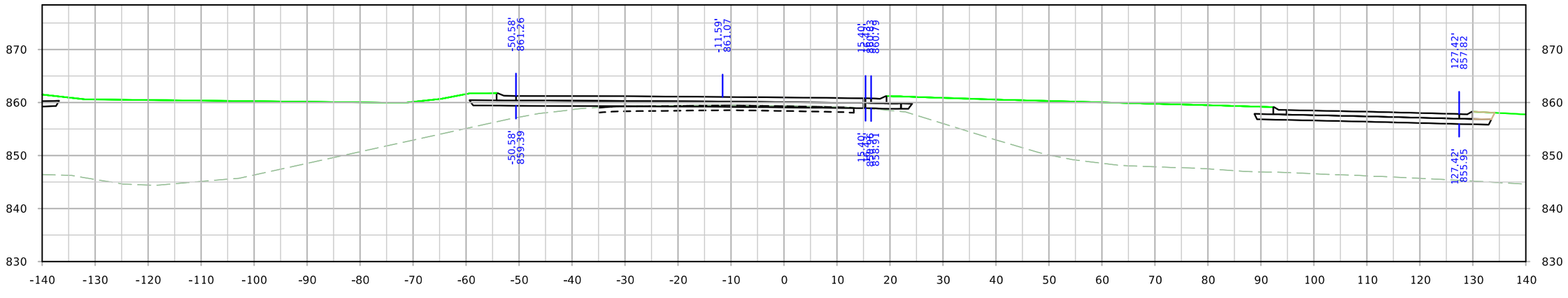


STA. 921+00.00



STA. 920+50.00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER X.32

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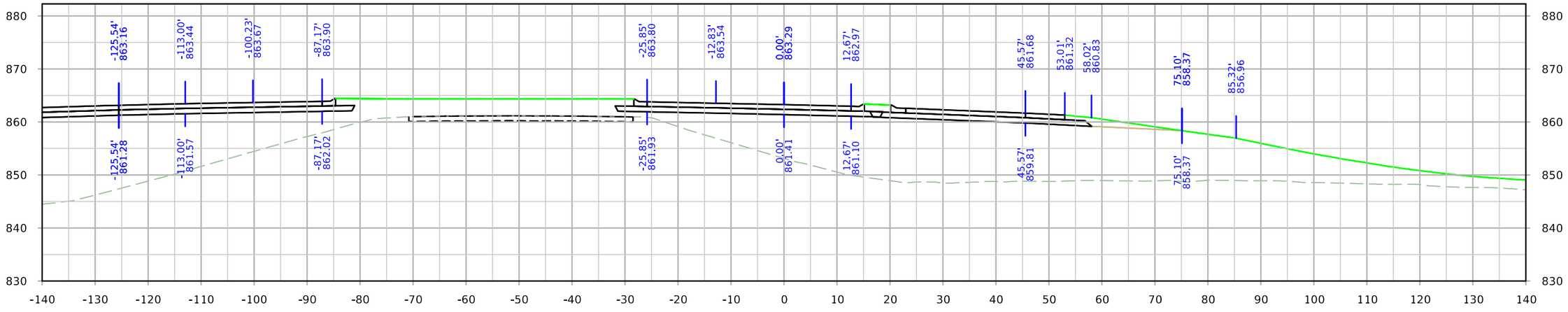
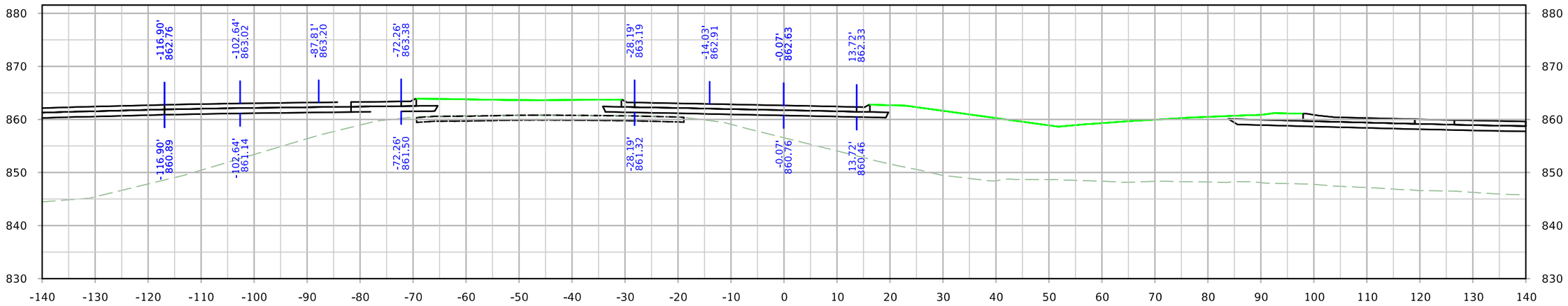


STA. 922+00.00



STA. 921+50.00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER X.33

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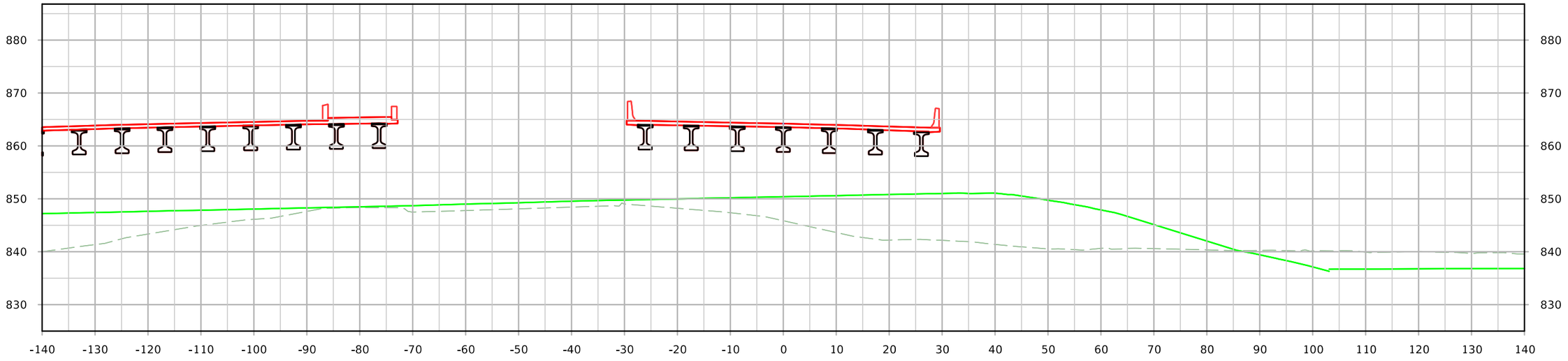
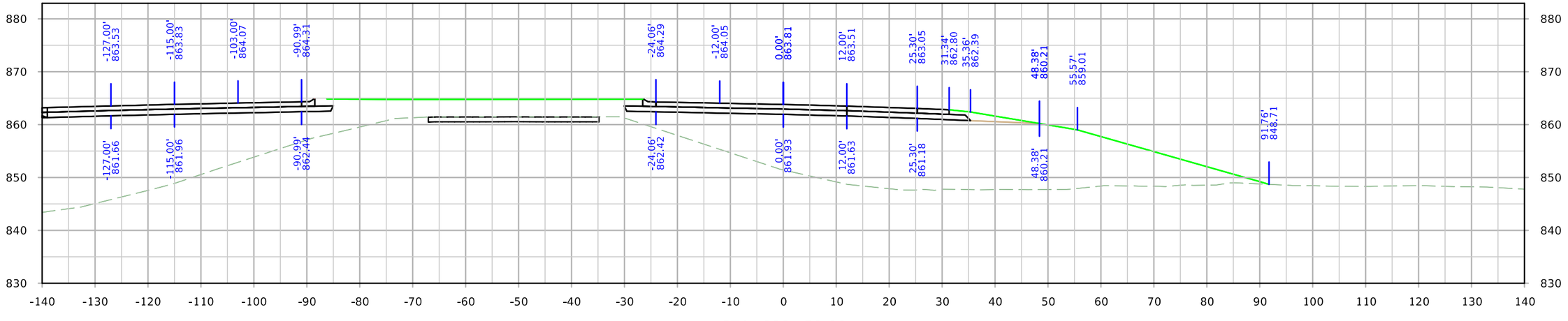


STA. 923+00.00



STA. 922+50.00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER X.34

2:07:03 PM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_X28.dgn

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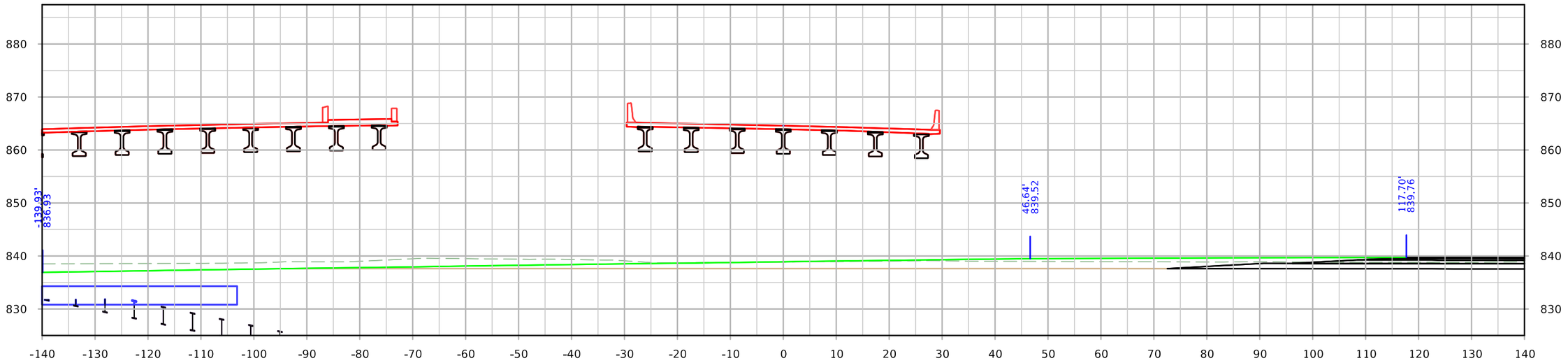
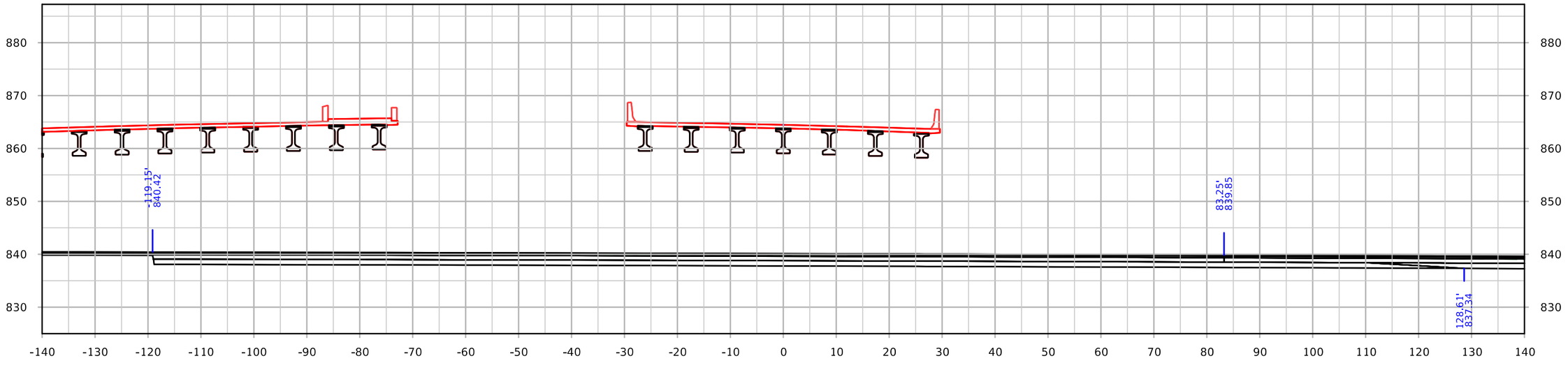


STA. 924+00.00



STA. 923+50.00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER X.35

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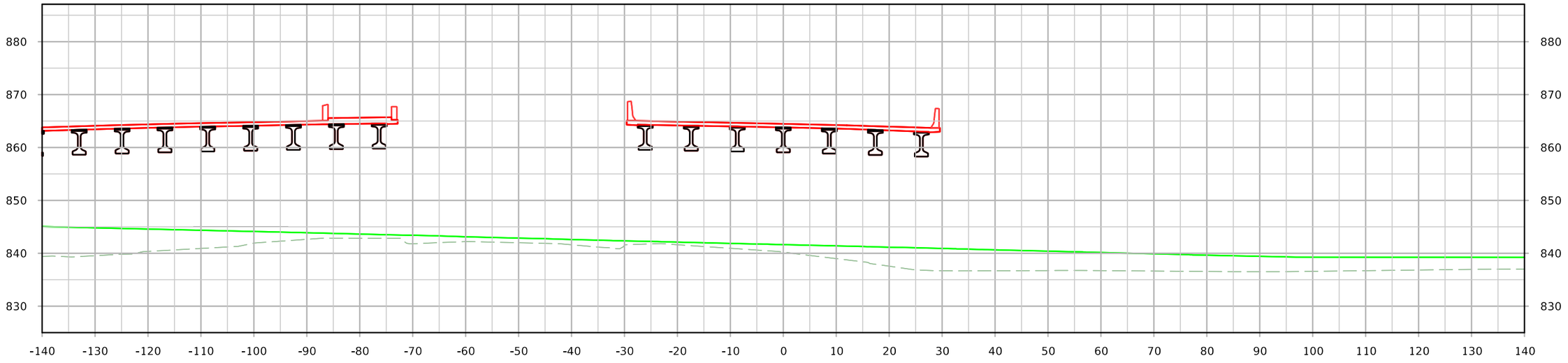
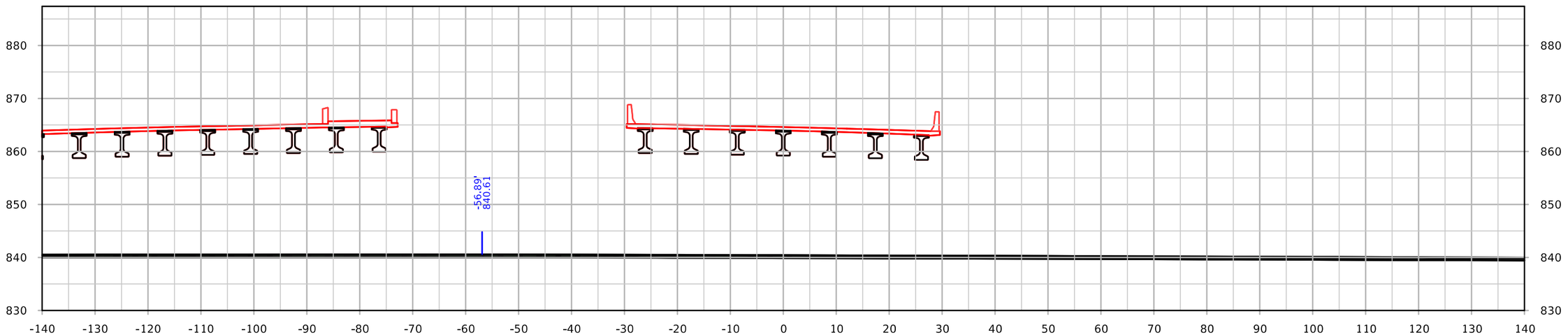


STA. 925+00.00



STA. 924+50.00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER X.36

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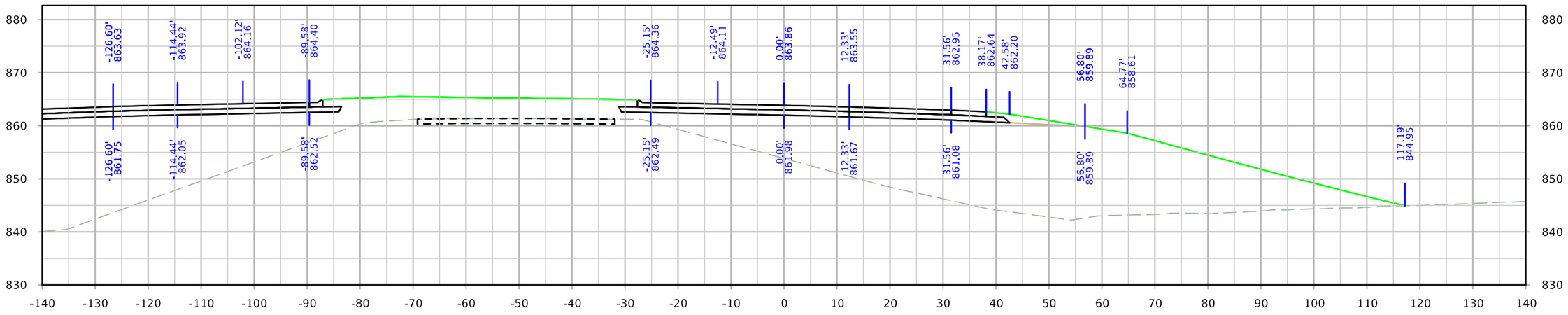
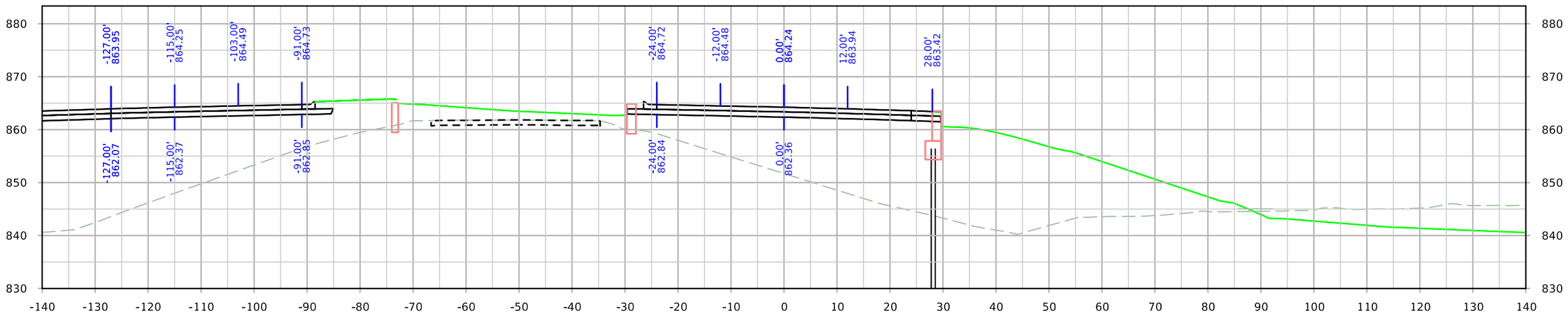


STA. 926+00.00



STA. 925+50.00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER X.37

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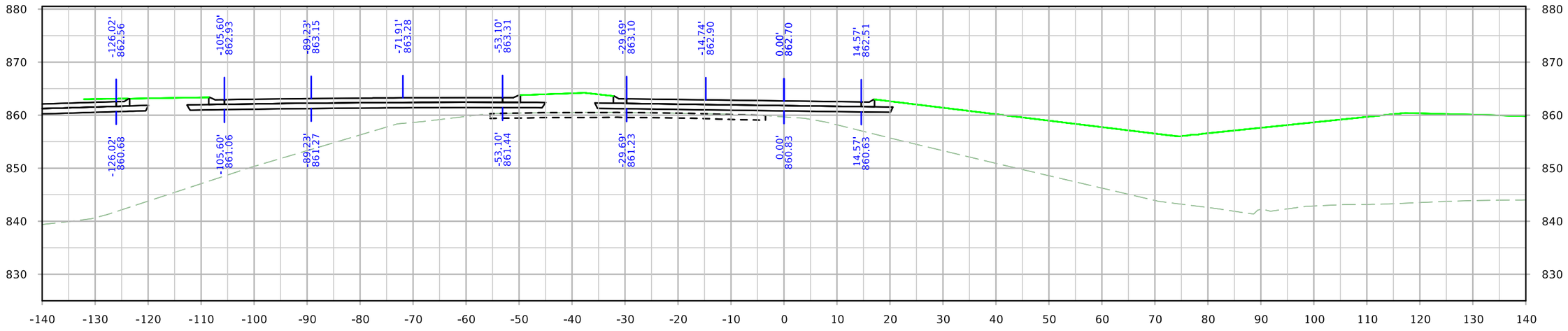
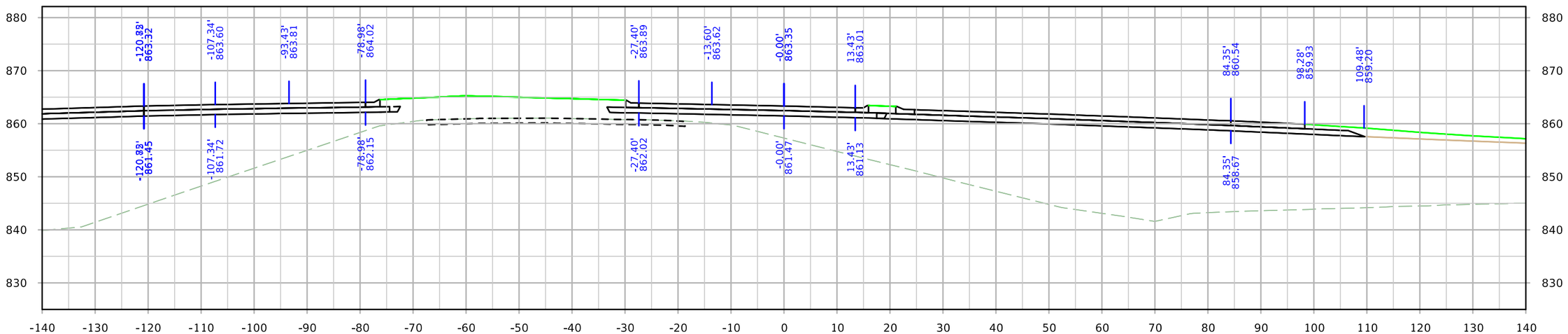


STA. 927+00.00

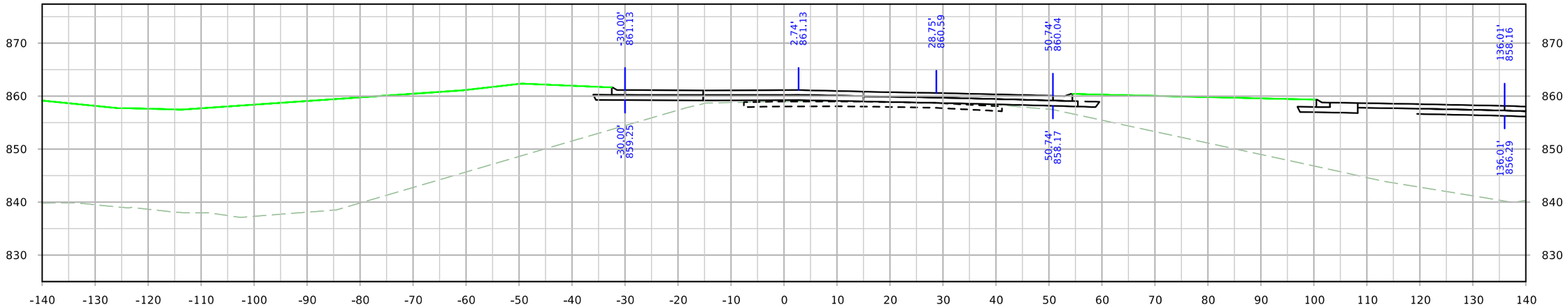


STA. 926+50.00

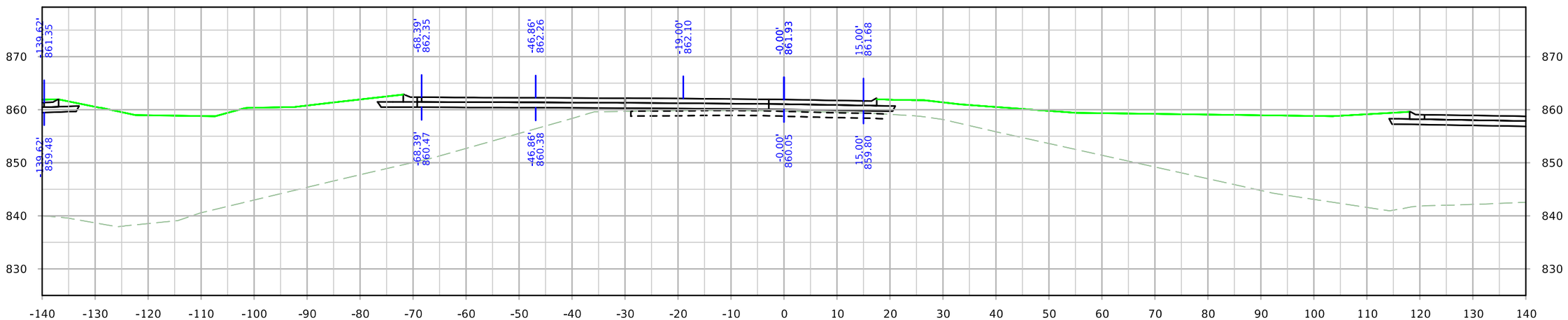
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER X.38

2:07:31 PM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_X28.dgn

SRWRT_WB



STA. 928+00.00

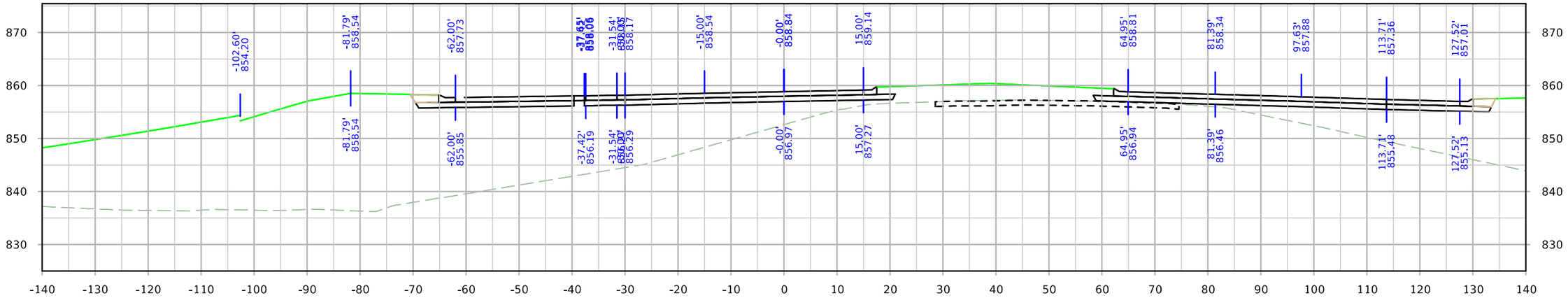


STA. 927+50.00

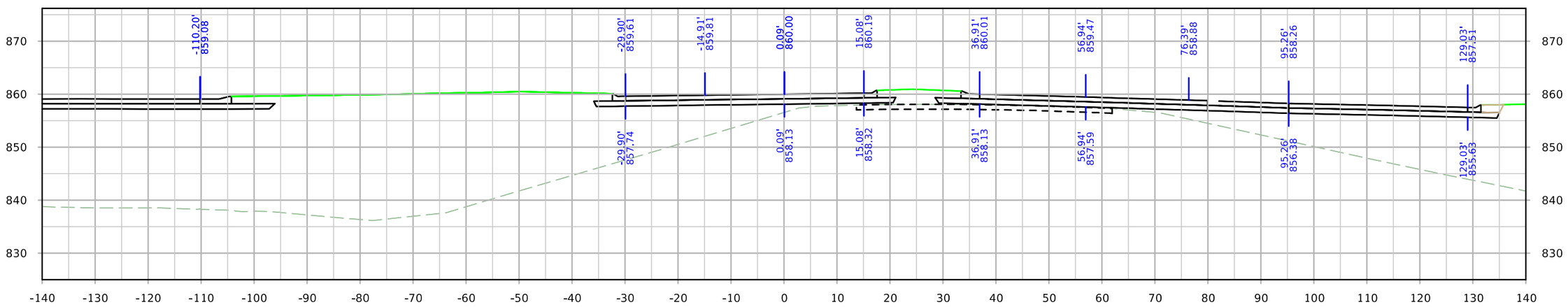
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER X.39

2:07:37 PM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_X28.dgn

SRWRT_WB



STA. 929+00.00

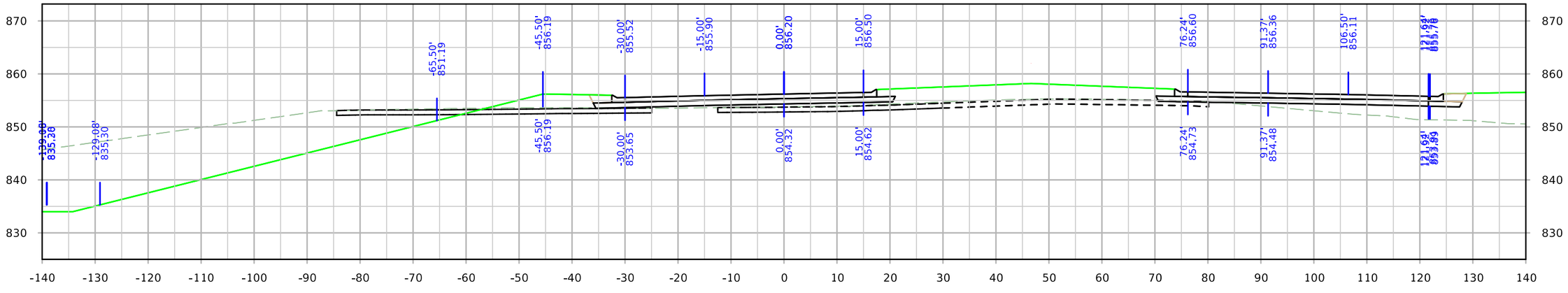


STA. 928+50.00

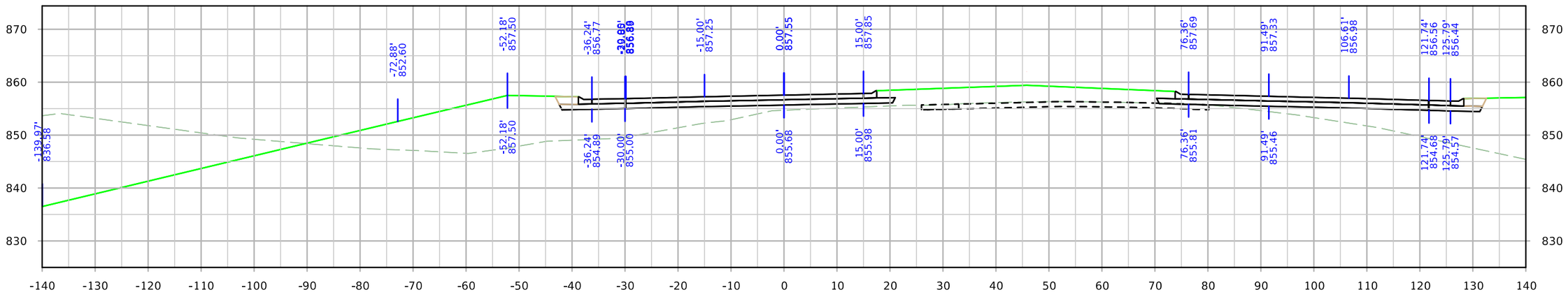
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER X.40

2:07:44 PM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_X28.dgn

SRWRT_WB



STA. 930+00.00

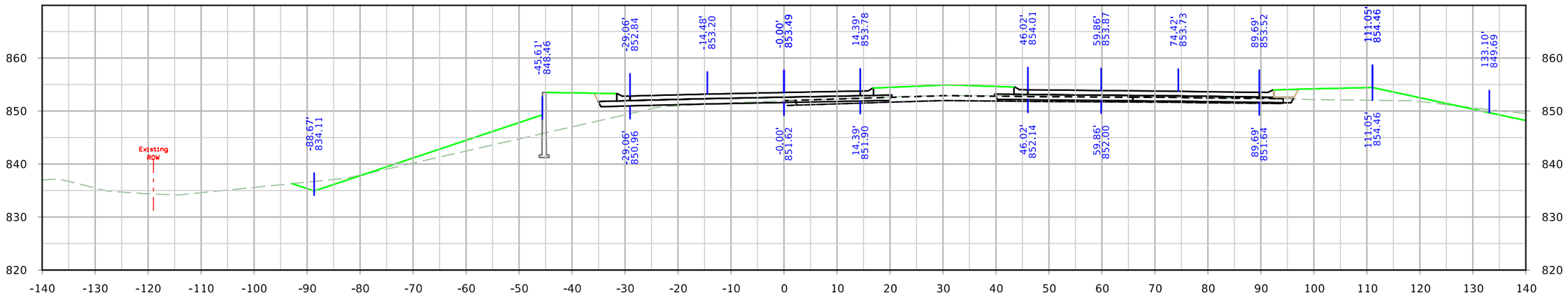


STA. 929+50.00

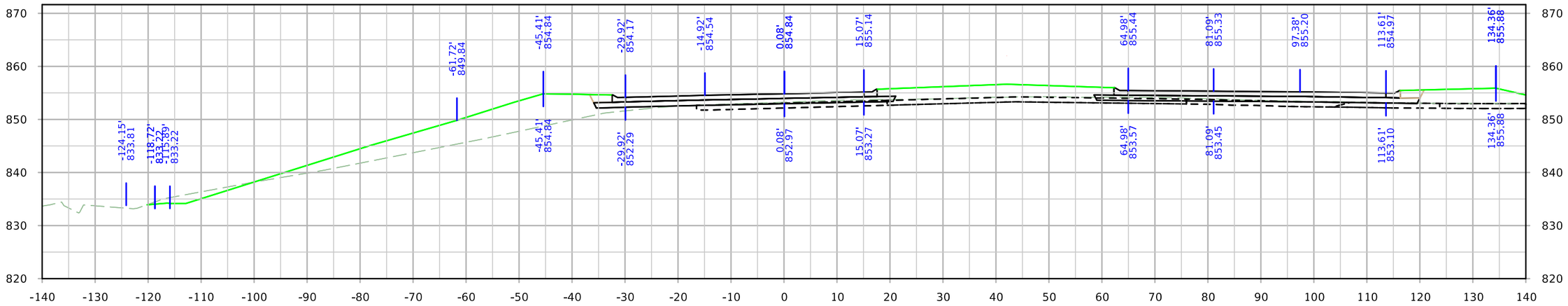
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER X.41

2:07:50 PM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_X28.dgn

SRWRT_WB



STA. 931+00.00

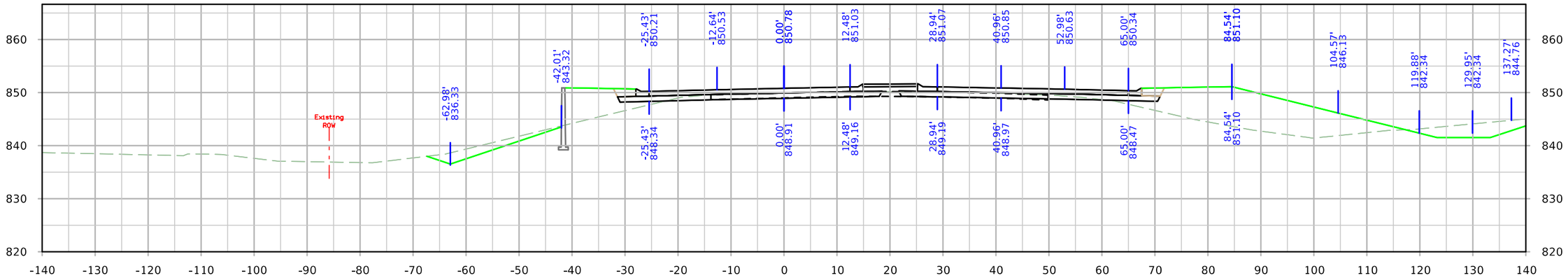


STA. 930+50.00

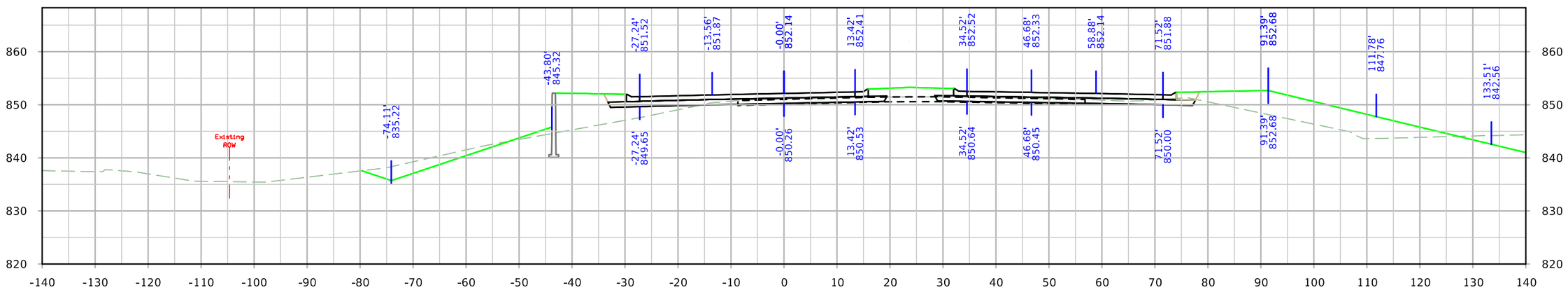
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER X.42

2:07:57 PM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_X28.dgn

SRWRT_WB



STA. 932+00.00

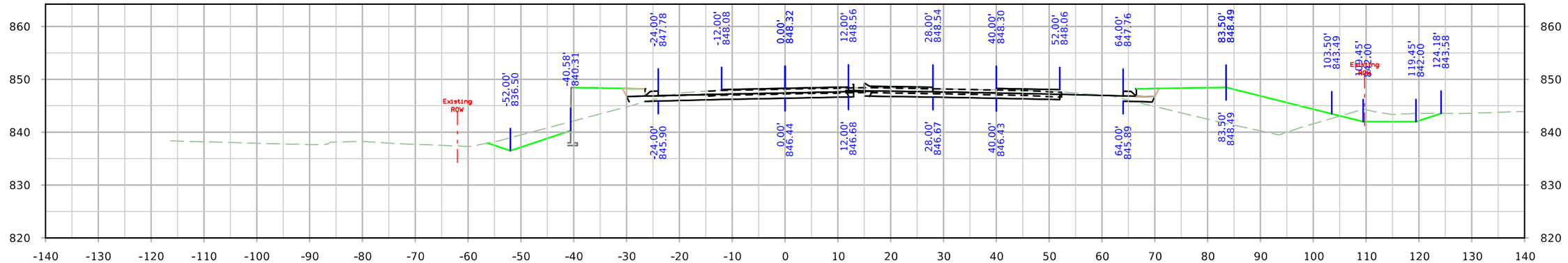


STA. 931+50.00

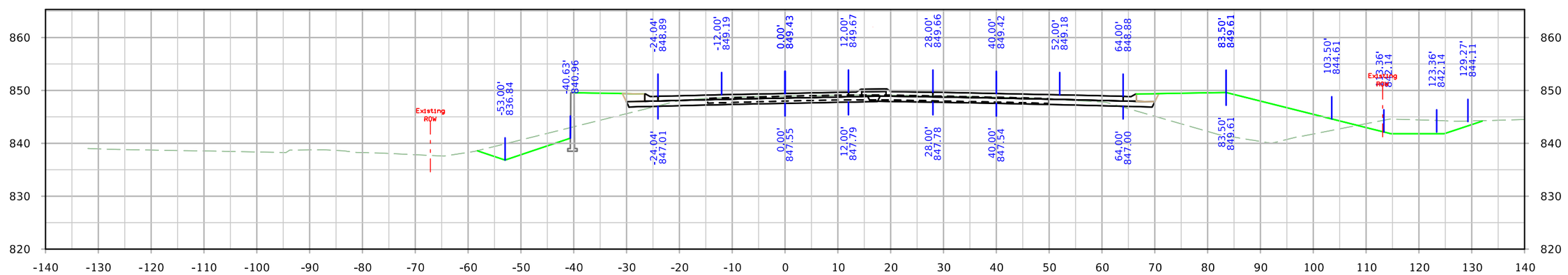
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER X.43

2:08:04 PM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_X28.dgn

SRWRT_WB



STA. 932+91.07

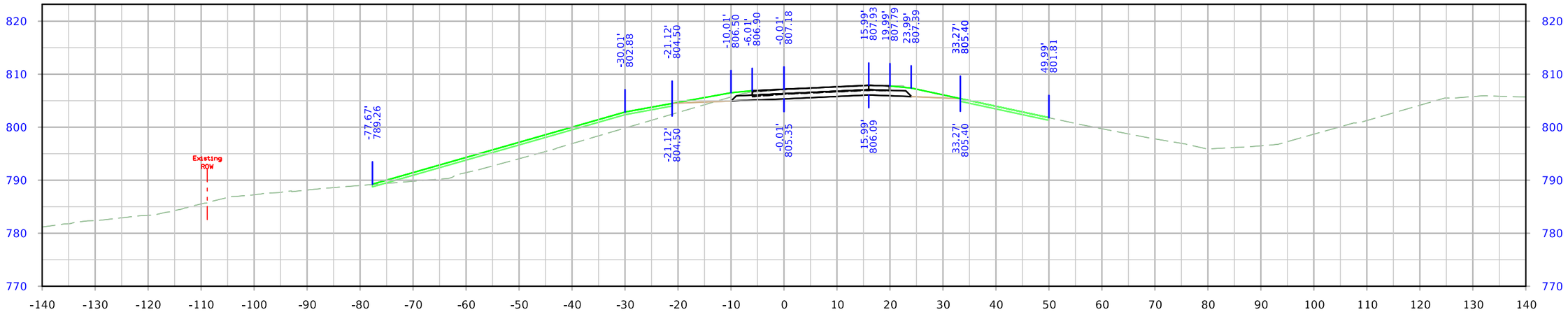


STA. 932+50.00

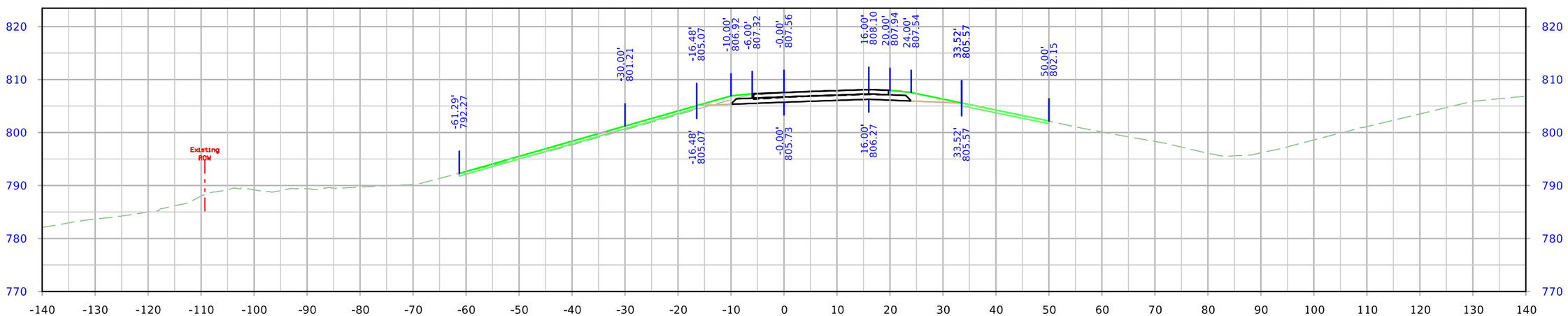
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER X.44

2:08:11 PM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_X28.dgn

RPA120



STA. 5744+50.00

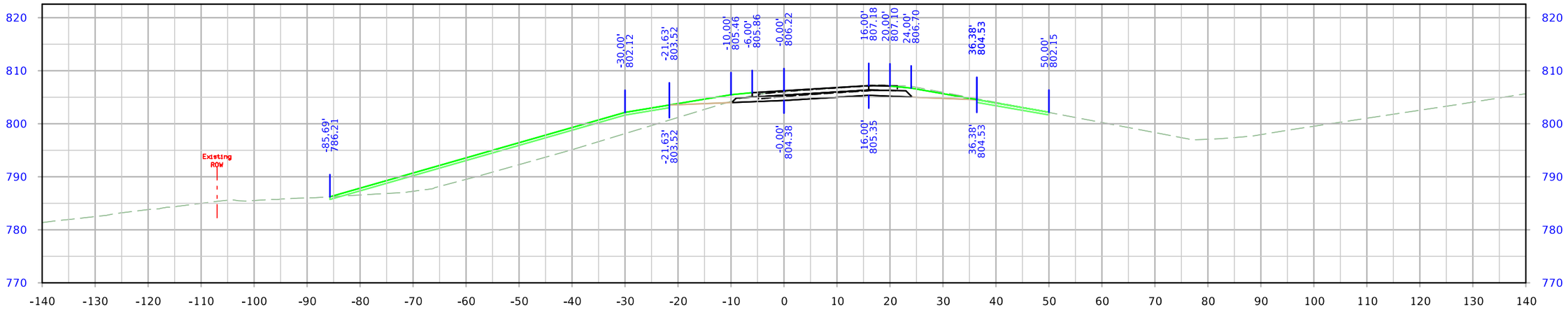


STA. 5744+10.19

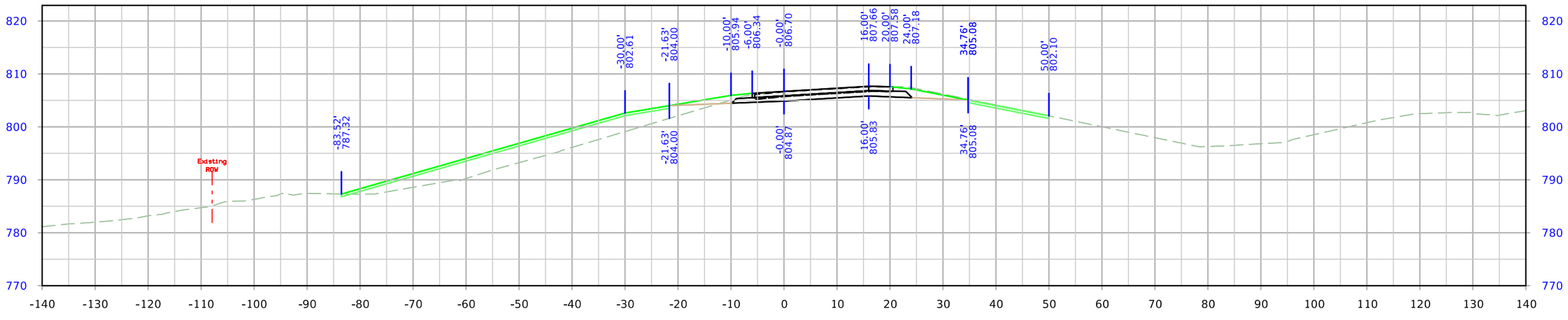
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER Y.1	

8:19:03 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y01.dgn

RPA120



STA. 5745+50.00

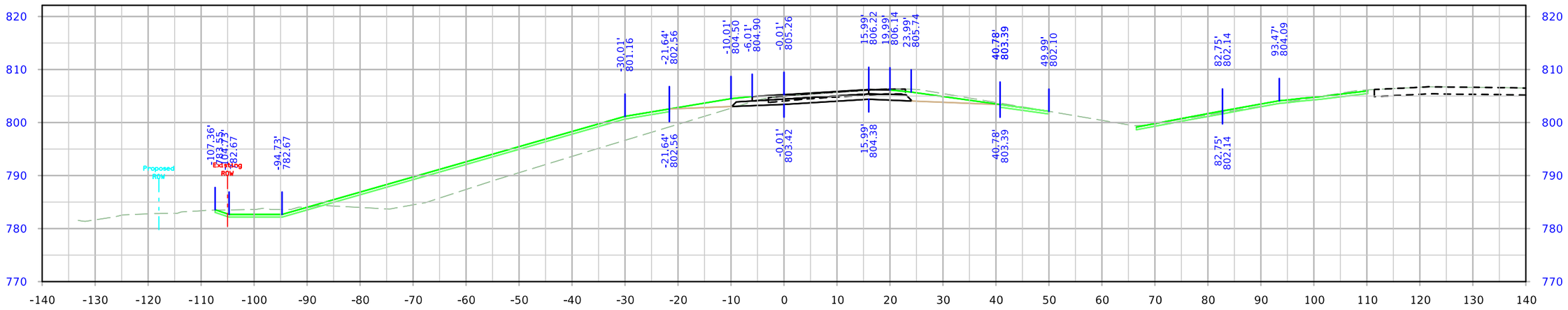


STA. 5745+00.00

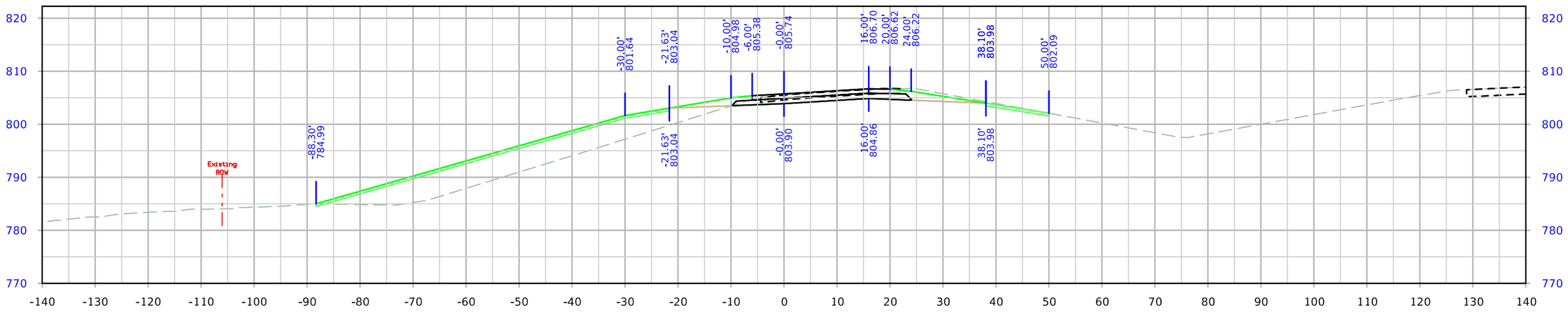
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.2

8:19:07 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y01.dgn

RPA120



STA. 5746+50.00

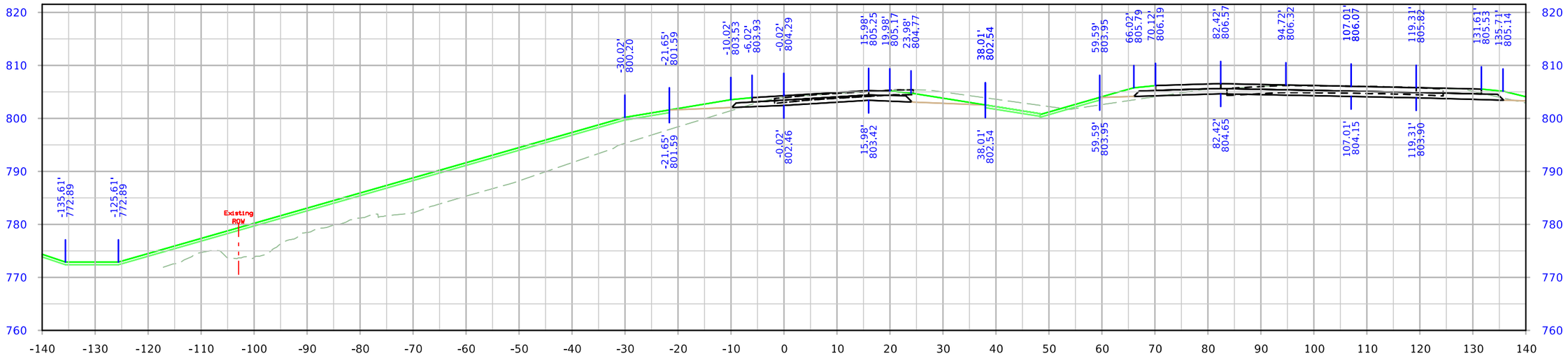


STA. 5746+00.00

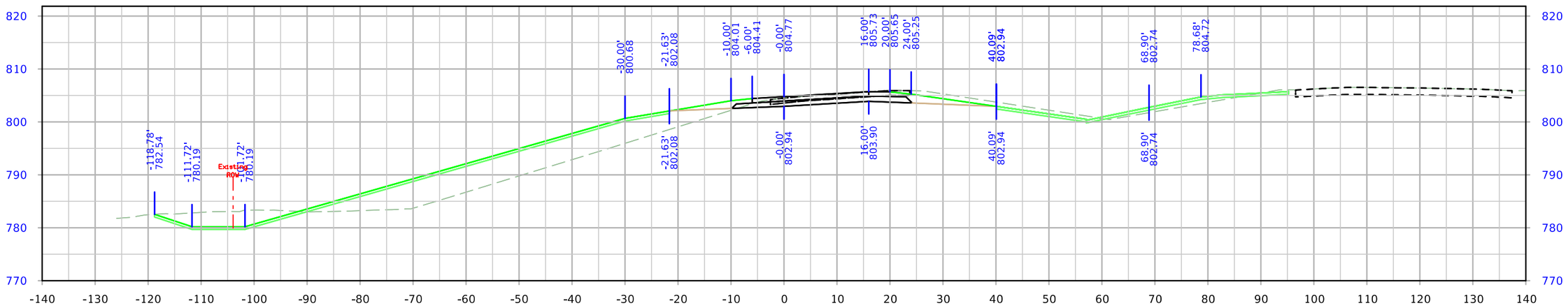
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.3

8:19:12 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y01.dgn

RPA120



STA. 5747+50.00

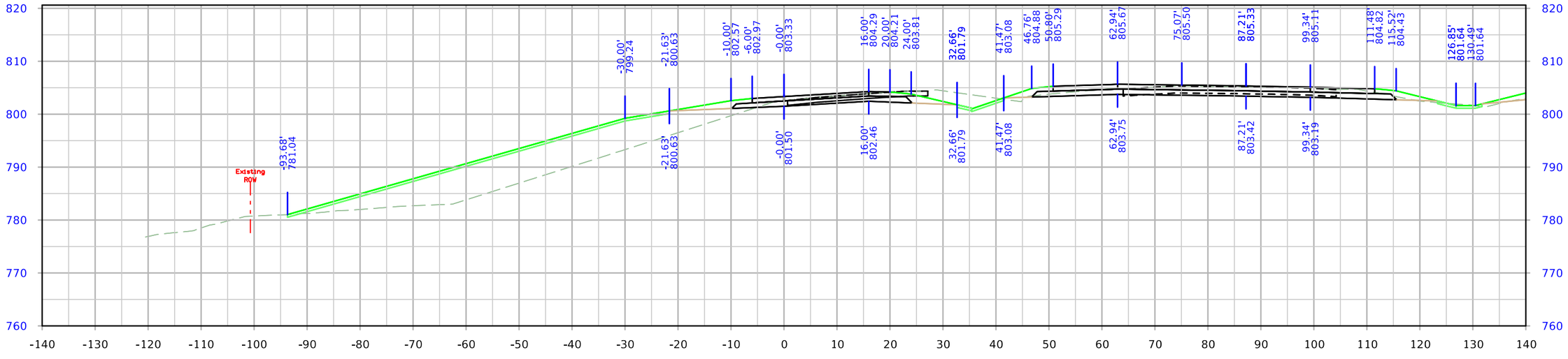


STA. 5747+00.00

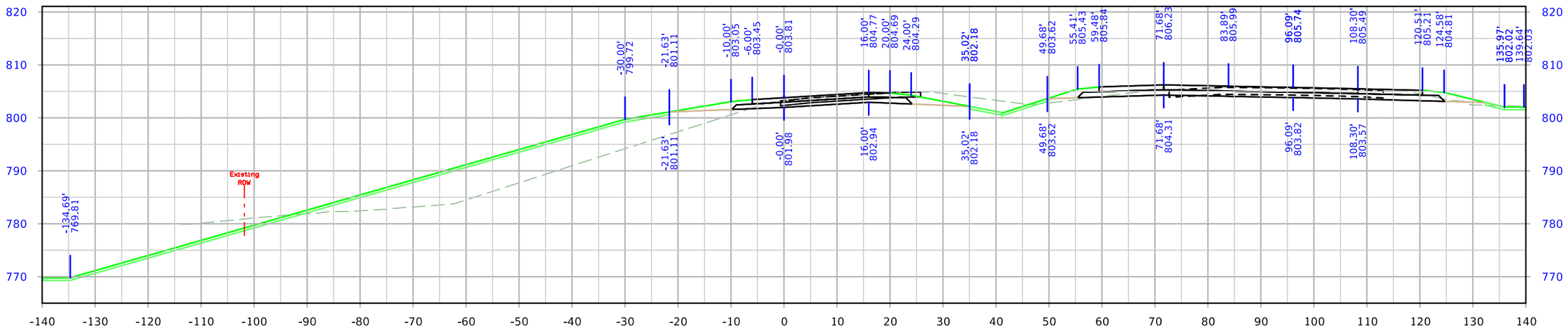
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.4

8:19:16 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y01.dgn

RPA120



STA. 5748+50.00

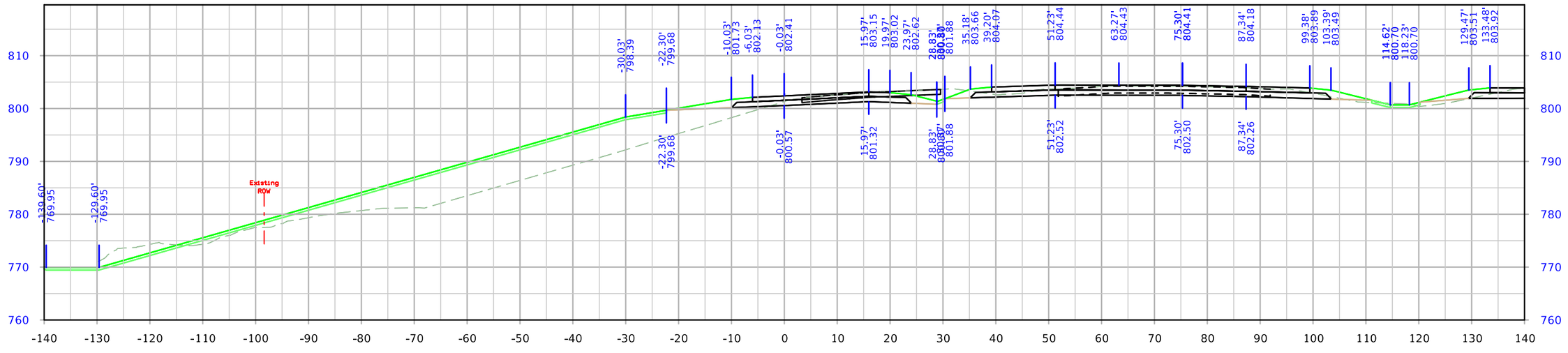


STA. 5748+00.00

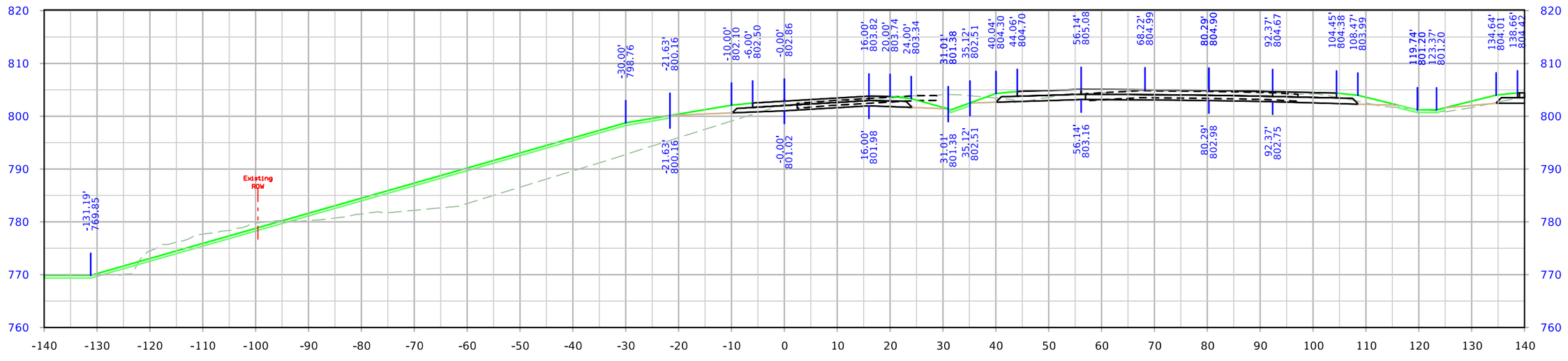
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.5

8:19:21 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y01.dgn

RPA120



STA. 5749+50.00

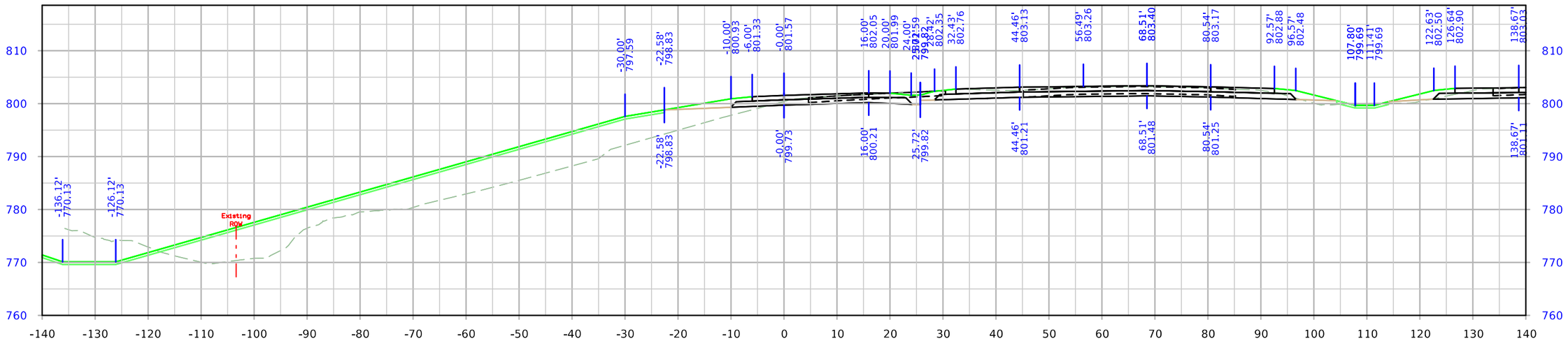


STA. 5749+00.00

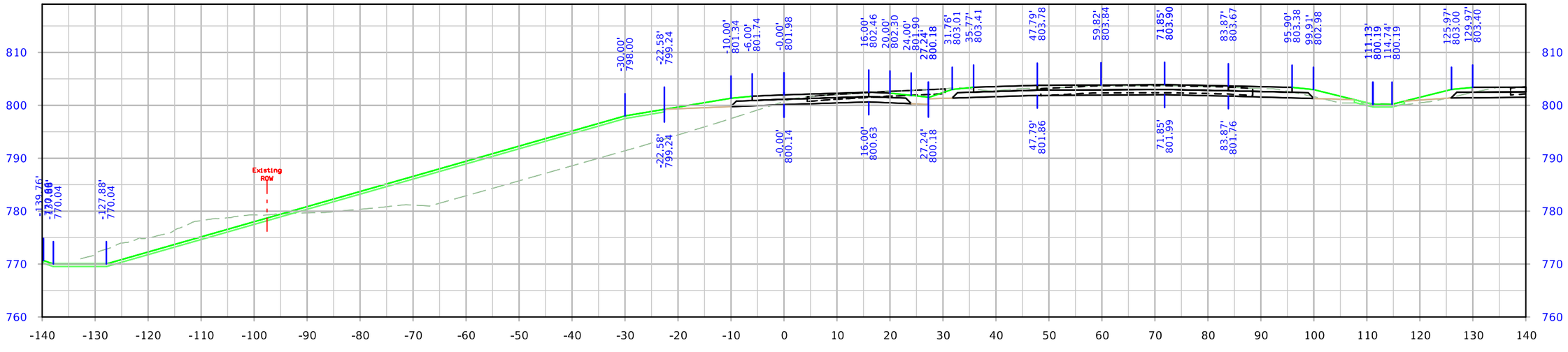
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.6

8:19:25 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y01.dgn

RPA120



STA. 5750+50.00

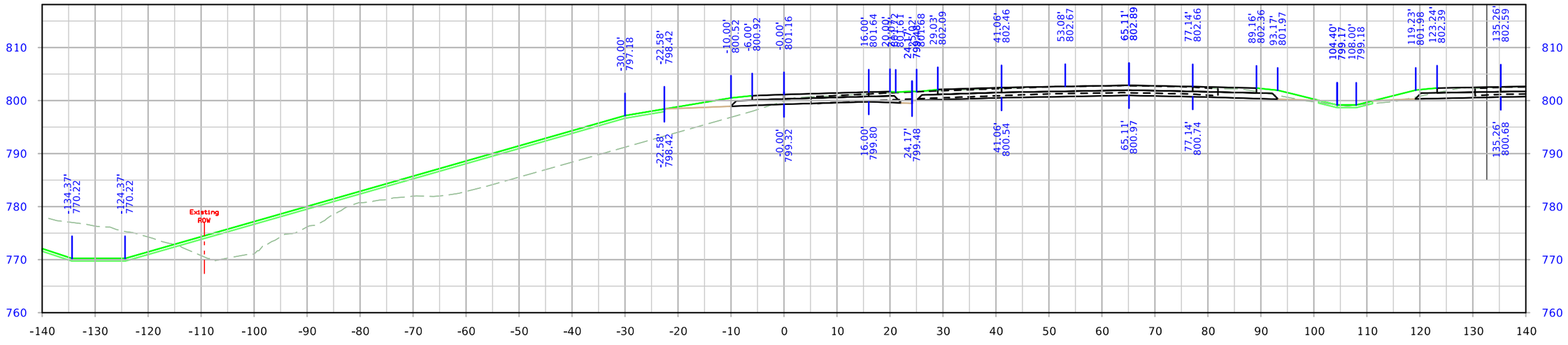


STA. 5750+00.00

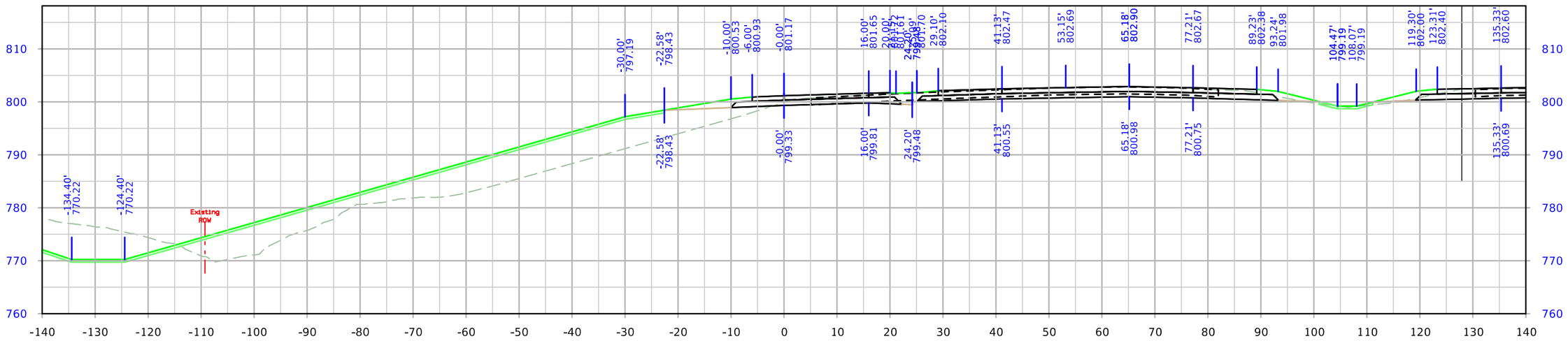
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.7

8:19:30 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y01.dgn

RPA120



STA. 5751+01.06

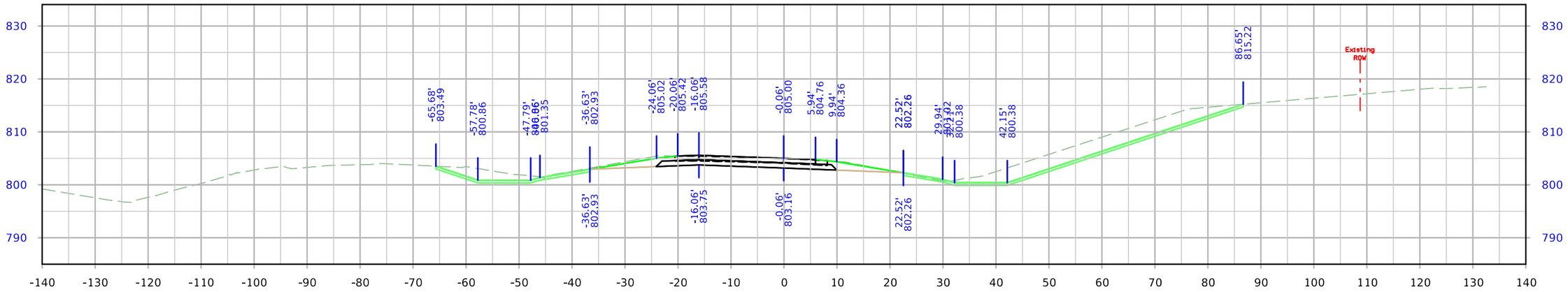


STA. 5751+00.00

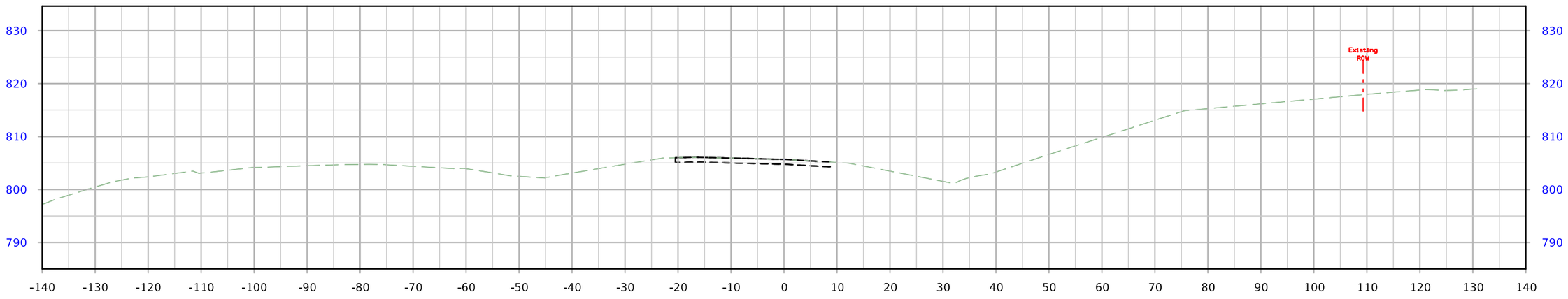
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.8	

8:19:34 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y01.dgn

RPD120



STA. 4746+00.00

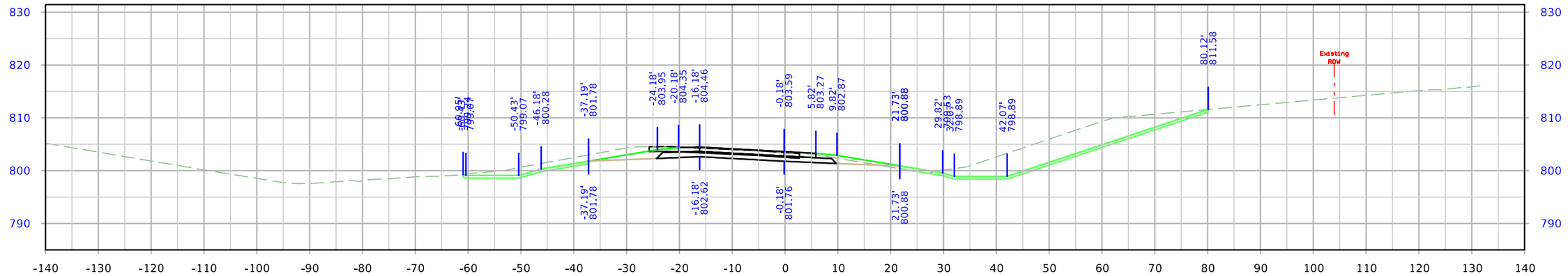


STA. 4745+50.83

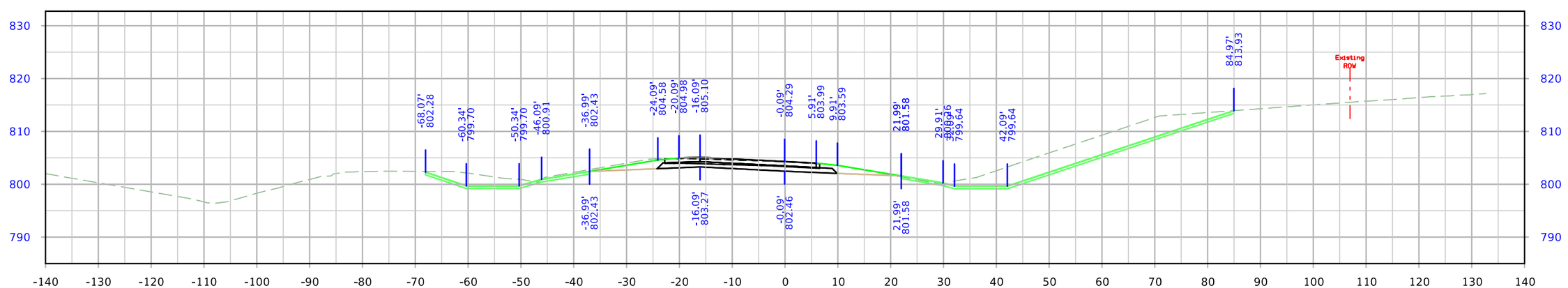
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.9

8:19:38 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y01.dgn

RPD120



STA. 4747+00.00

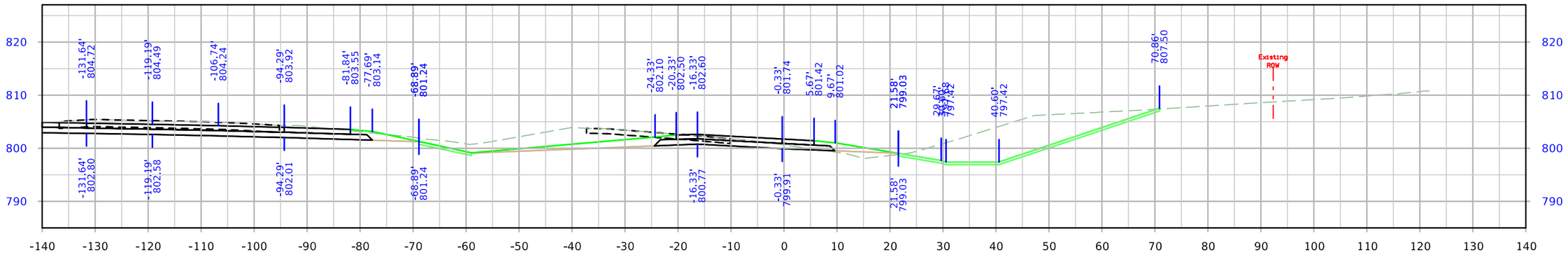


STA. 4746+50.00

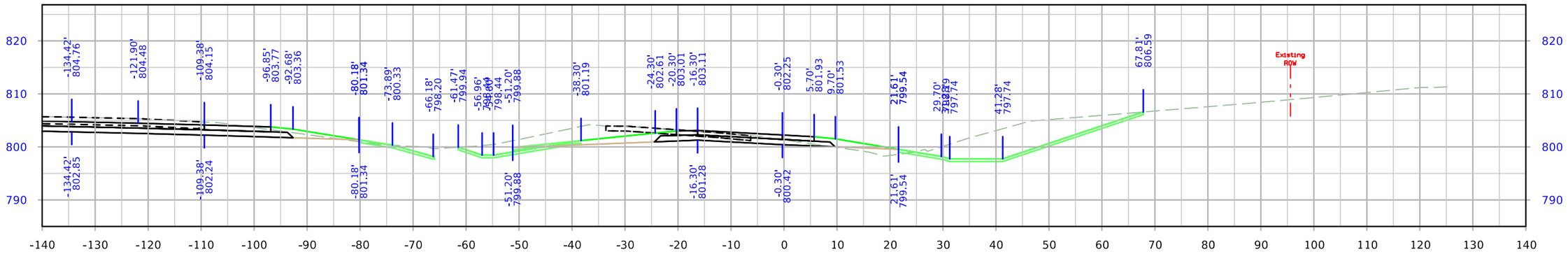
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.10

8:19:41 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y01.dgn

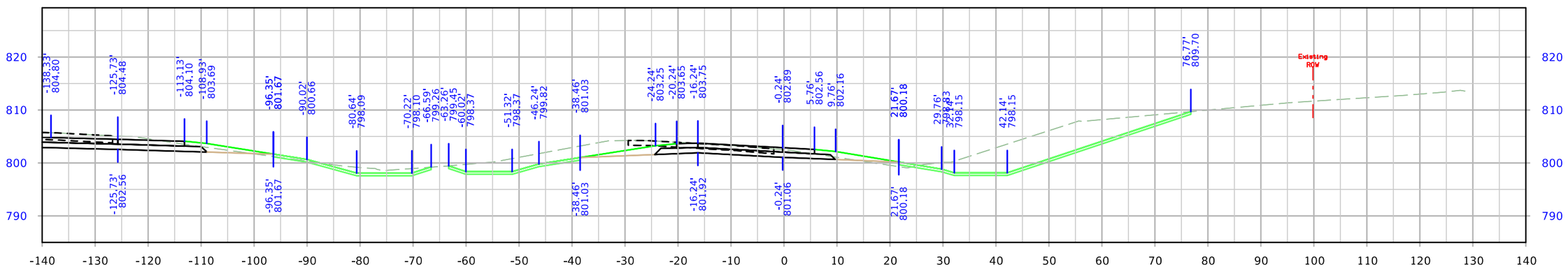
RPD120



STA. 4748+50.00



STA. 4748+00.00

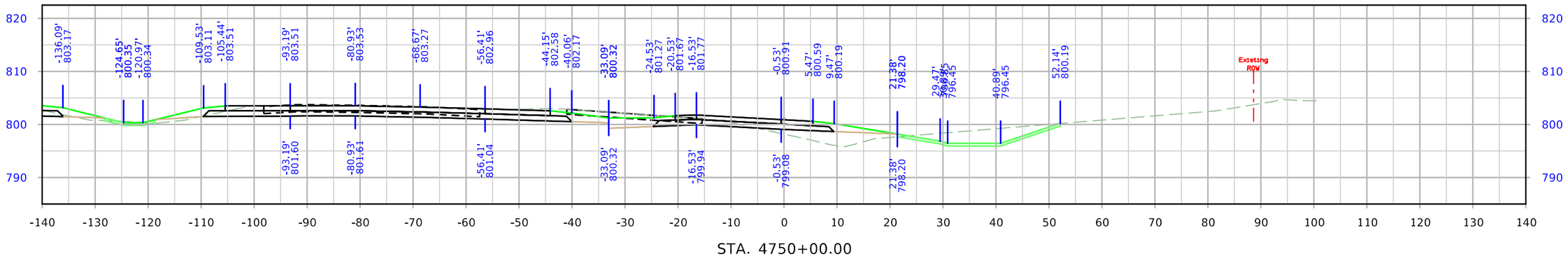


STA. 4747+50.00

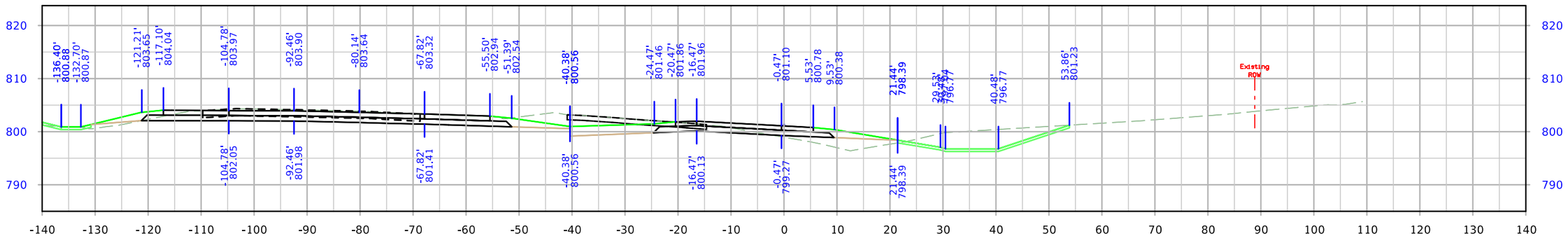
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.11

8:19:46 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y01.dgn

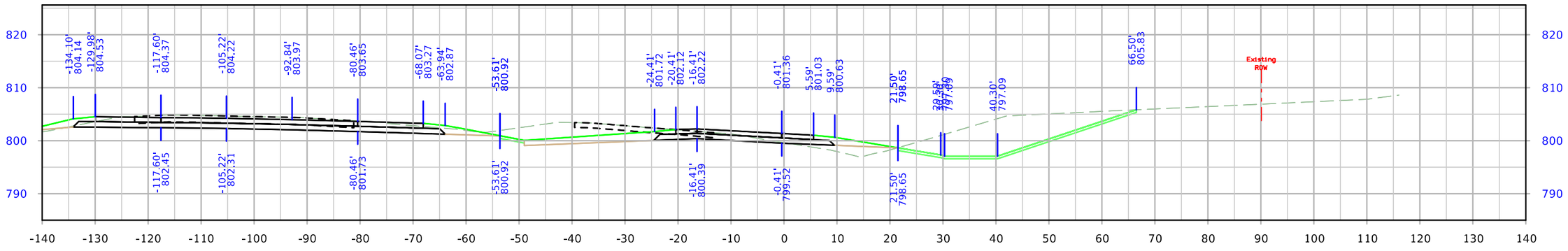
RPD120



STA. 4750+00.00



STA. 4749+50.00

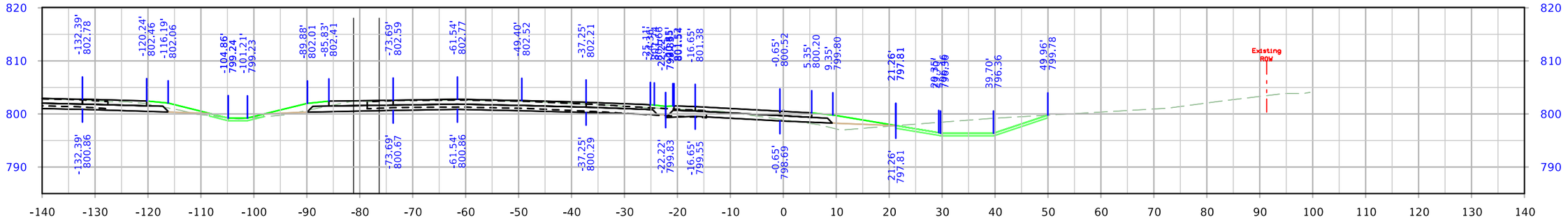


STA. 4749+00.00

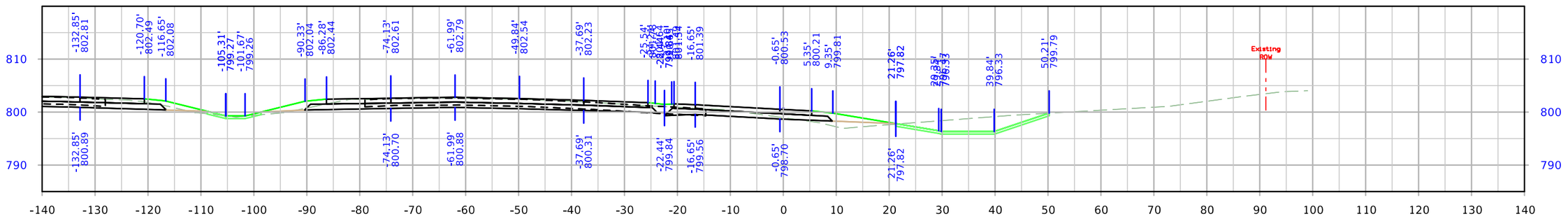
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.12

8:19:52 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y01.dgn

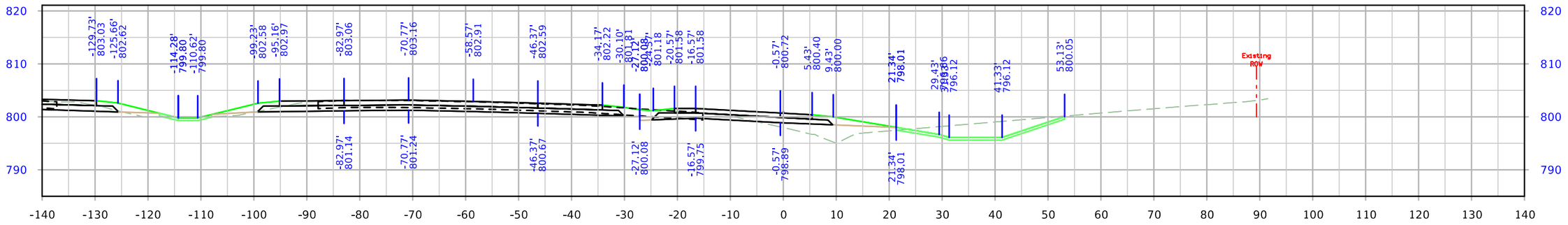
RPD120



STA. 4751+02.76



STA. 4751+00.00

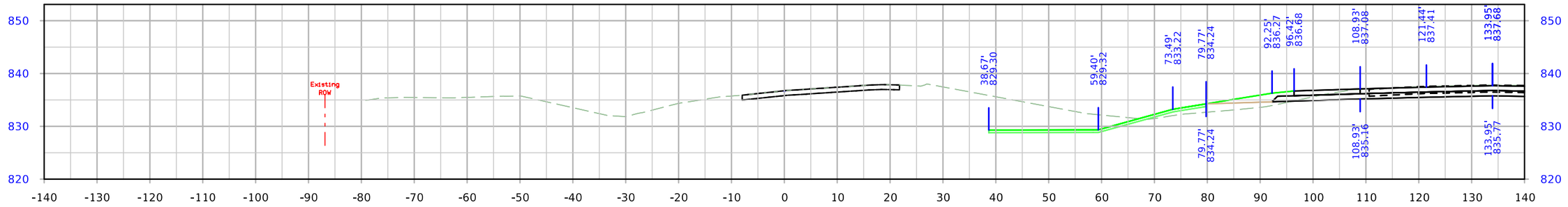


STA. 4750+50.00

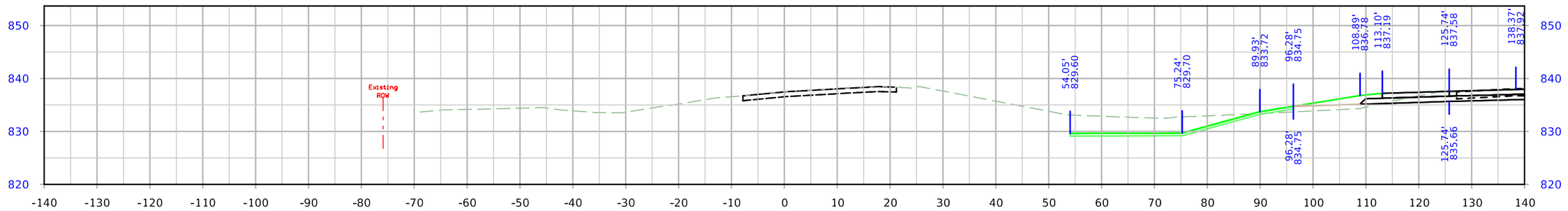
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER Y.13

8:19:59 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y01.dgn

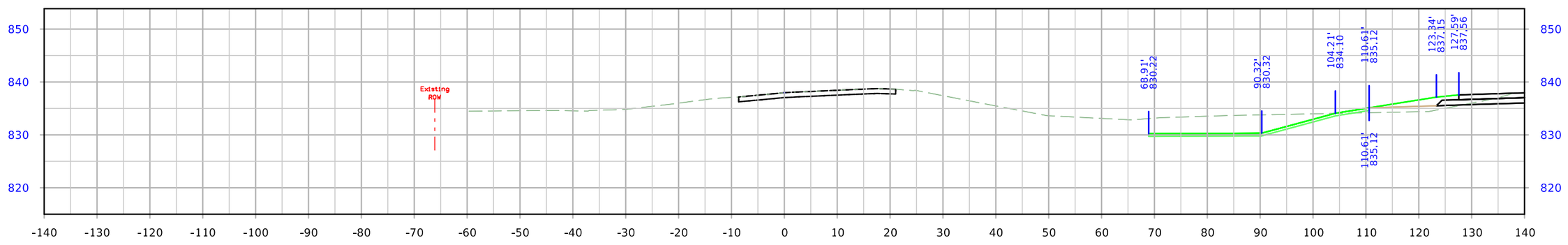
RPARST



STA. 1028+50.00



STA. 1028+00.00

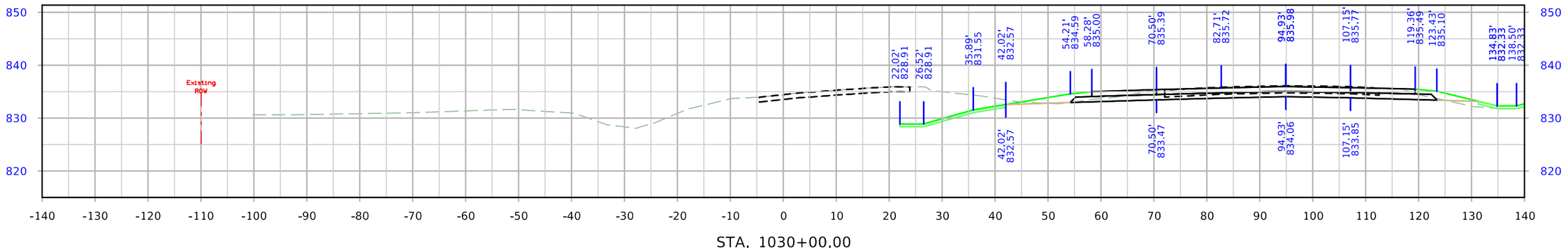


STA. 1027+61.01

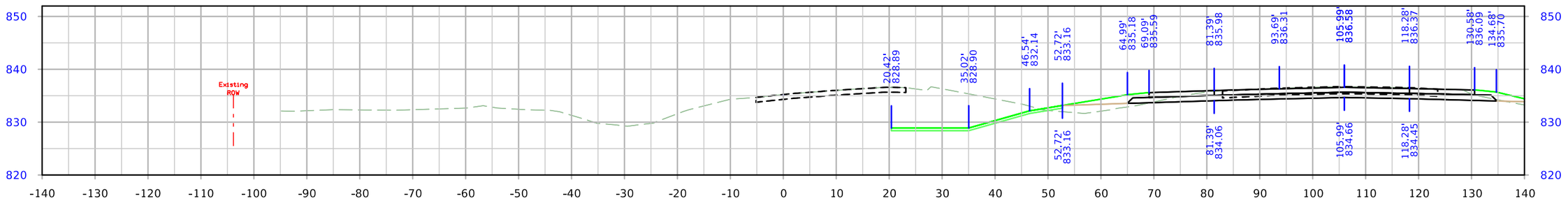
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER Y.14

8:20:22 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y14.dgn

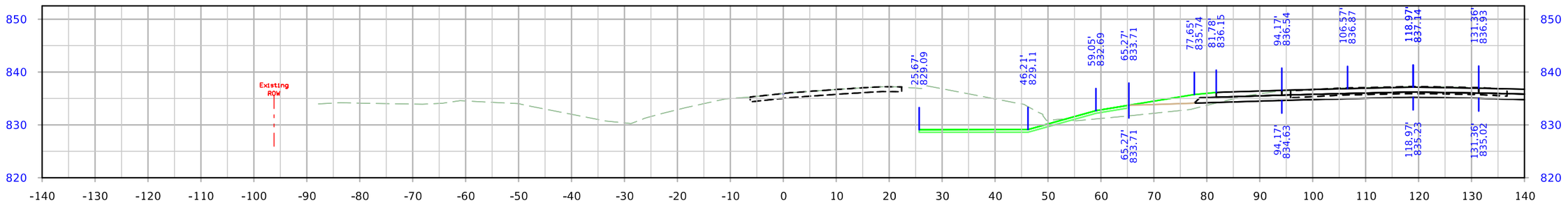
RPARST



STA. 1030+00.00



STA. 1029+50.00

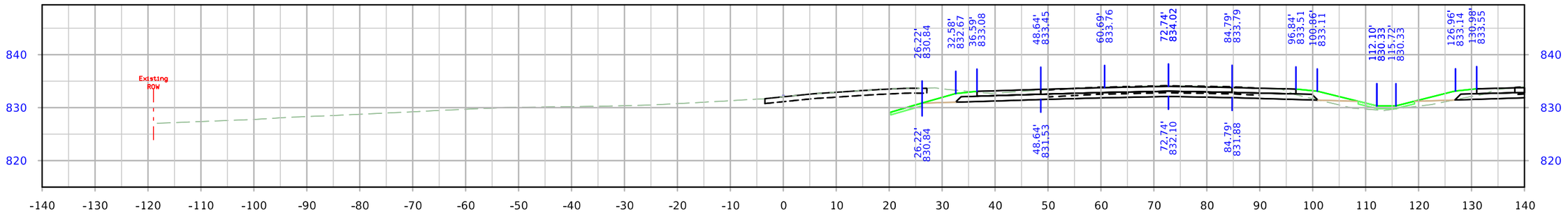


STA. 1029+00.00

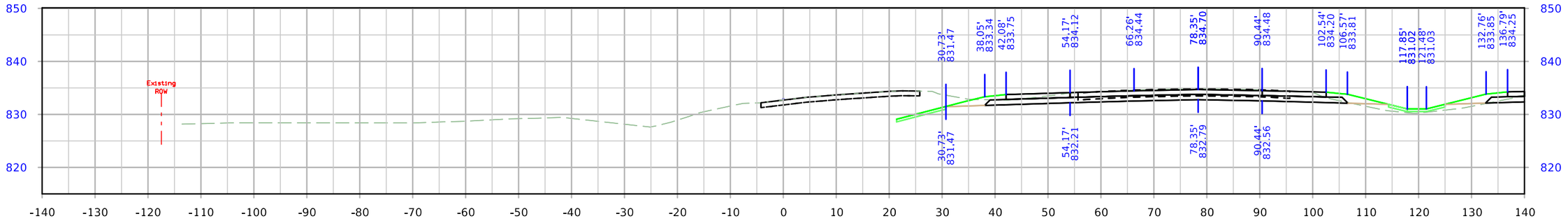
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.15

8:20:28 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y14.dgn

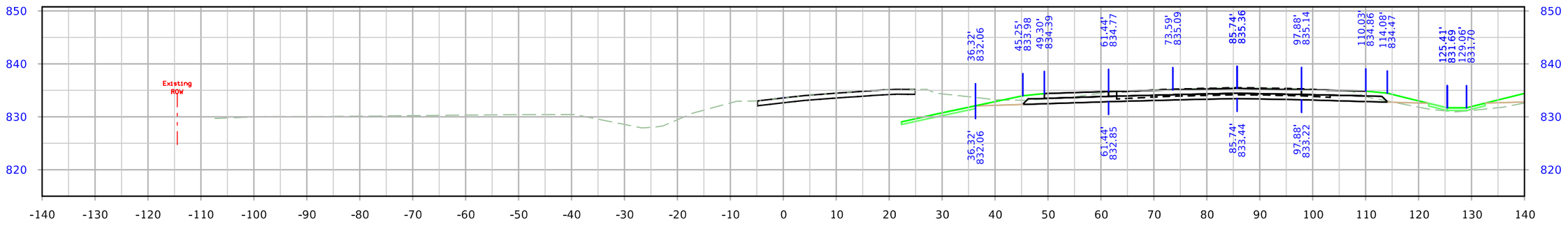
RPARST



STA. 1031+50.00



STA. 1031+00.00

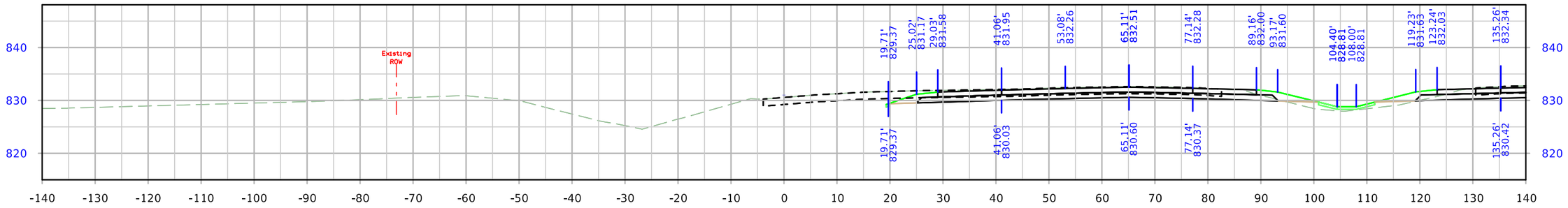


STA. 1030+50.00

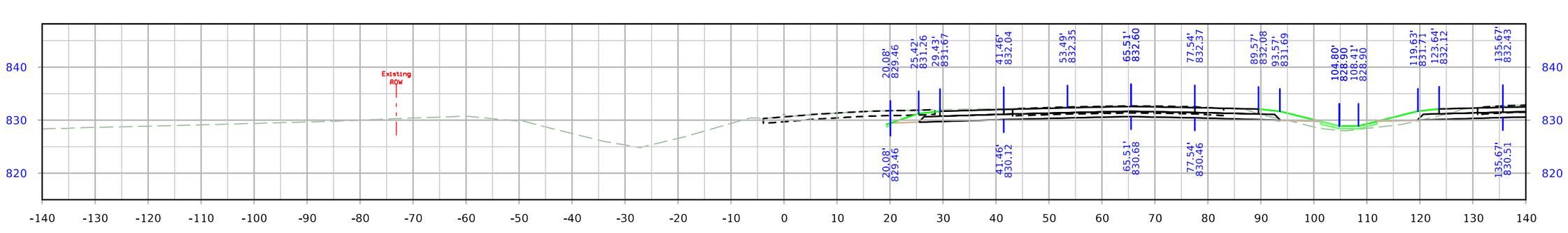
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.16

8:20:36 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y14.dgn

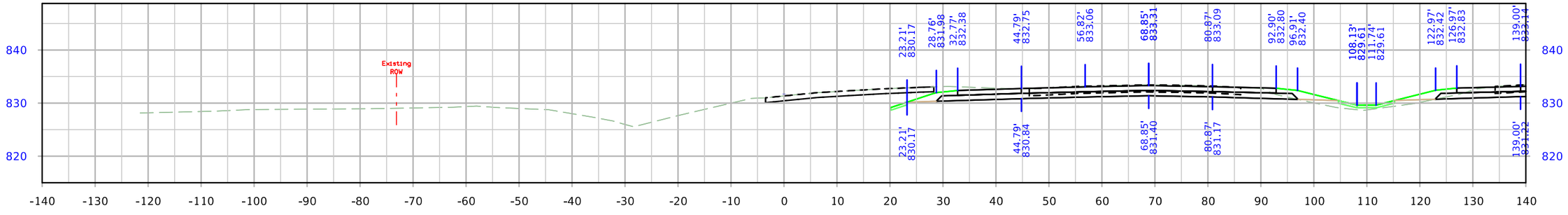
RPARST



STA. 1032+56.06



STA. 1032+50.00

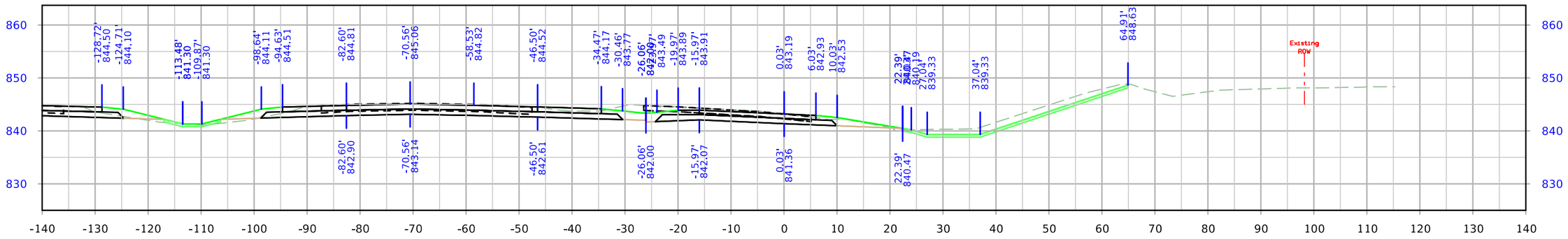


STA. 1032+00.00

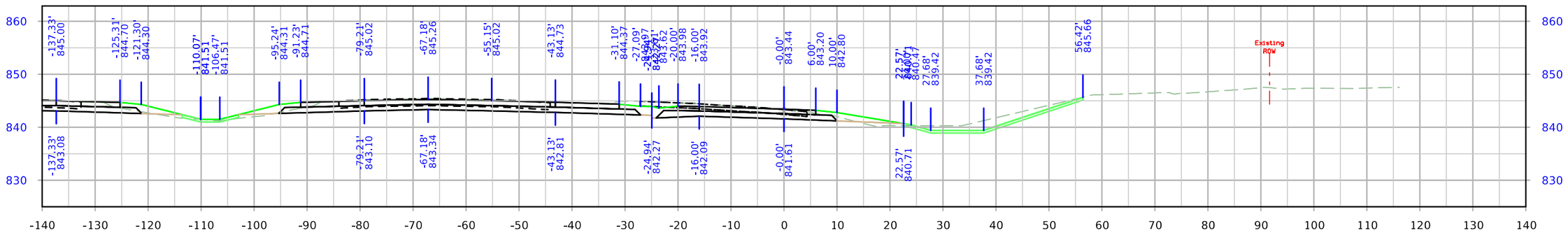
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.17

8:20:42 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y14.dgn

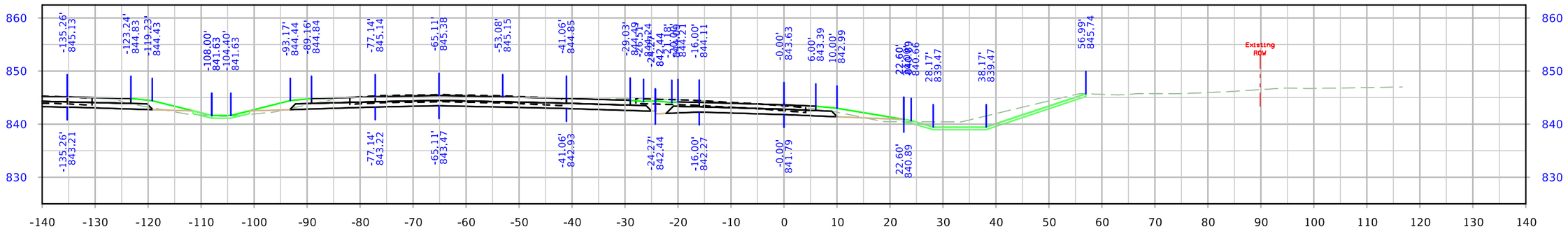
RPBRST



STA. 2012+50.00



STA. 2012+00.00

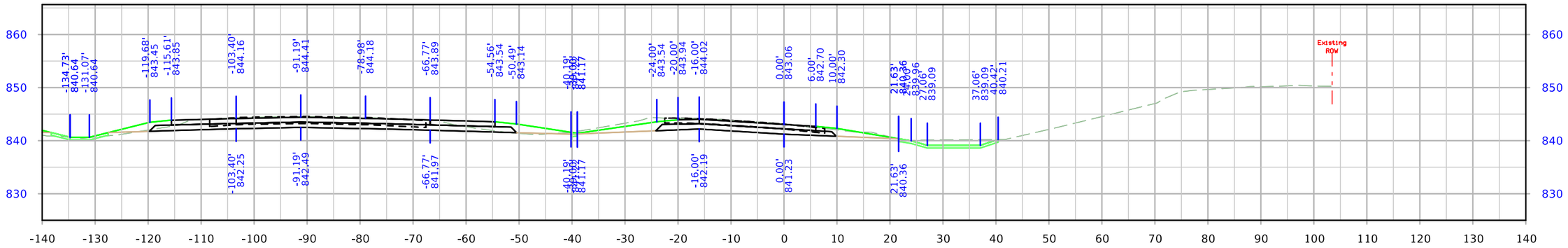


STA. 2011+68.94

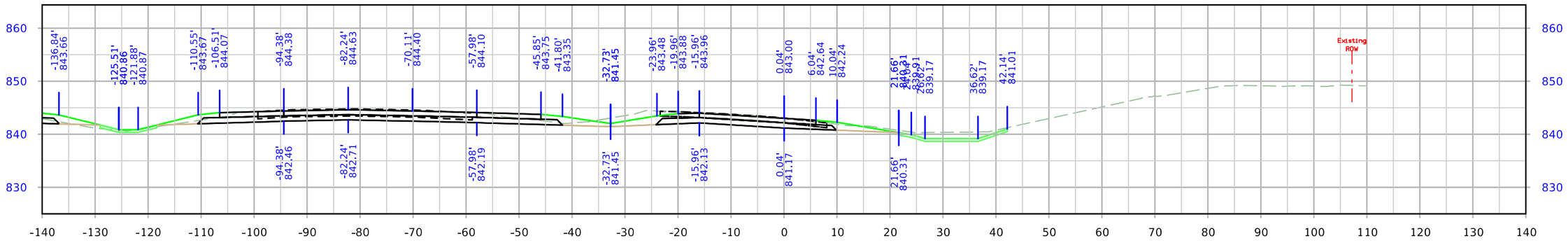
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.18

8:20:49 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y14.dgn

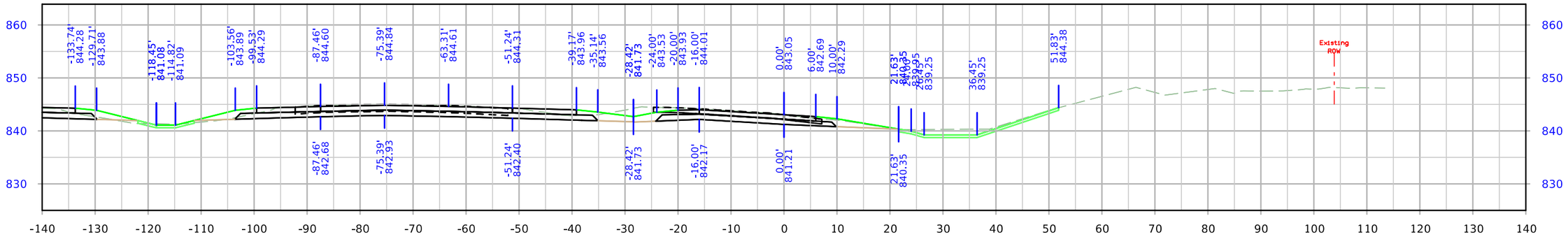
RPBRST



STA. 2014+00.00



STA. 2013+50.00

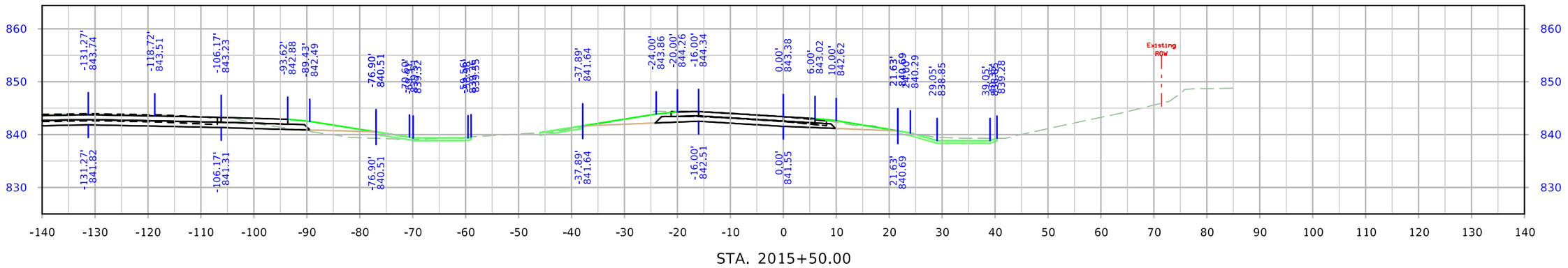


STA. 2013+00.00

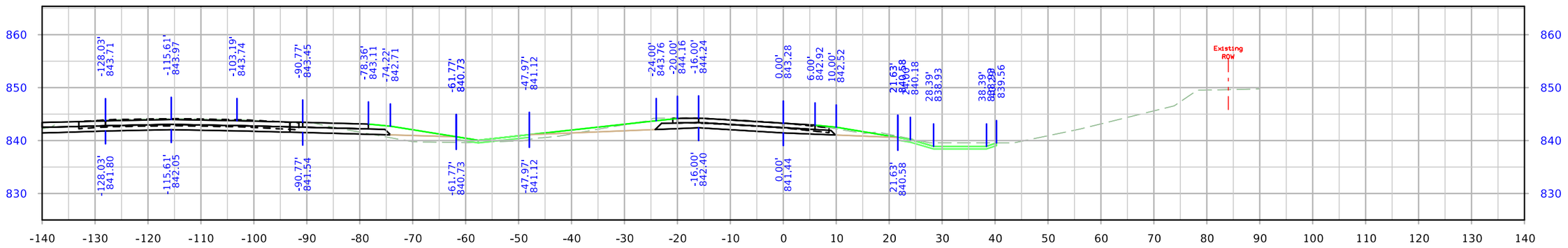
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.19

8:20:55 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y14.dgn

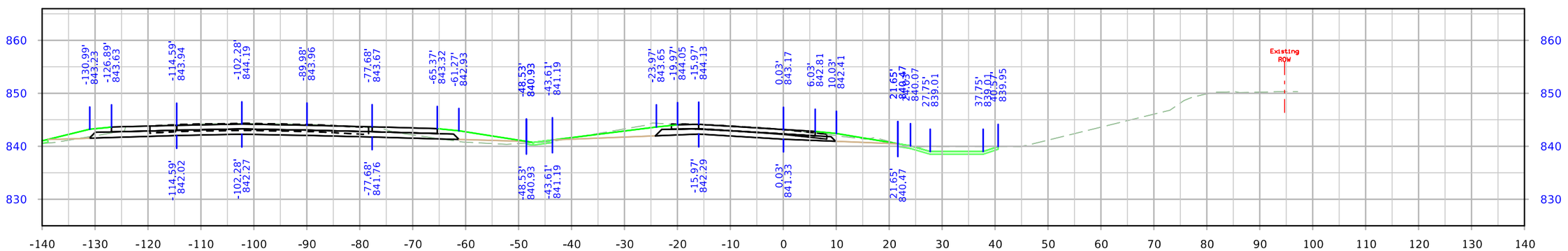
RPBRST



STA. 2015+50.00



STA. 2015+00.00

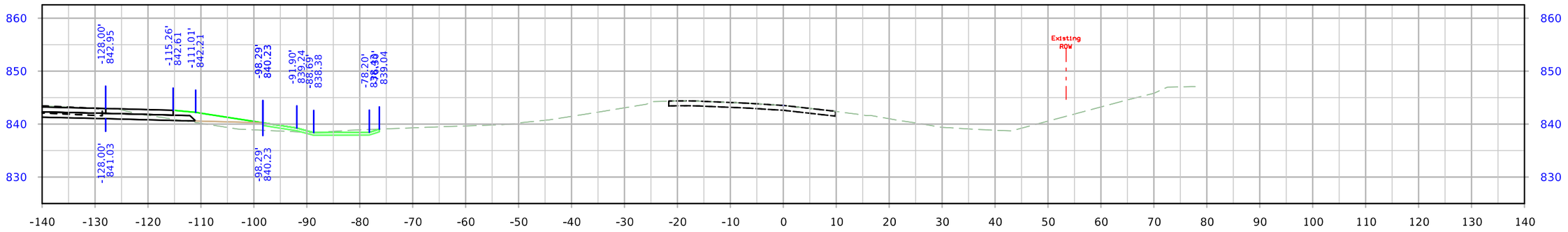


STA. 2014+50.00

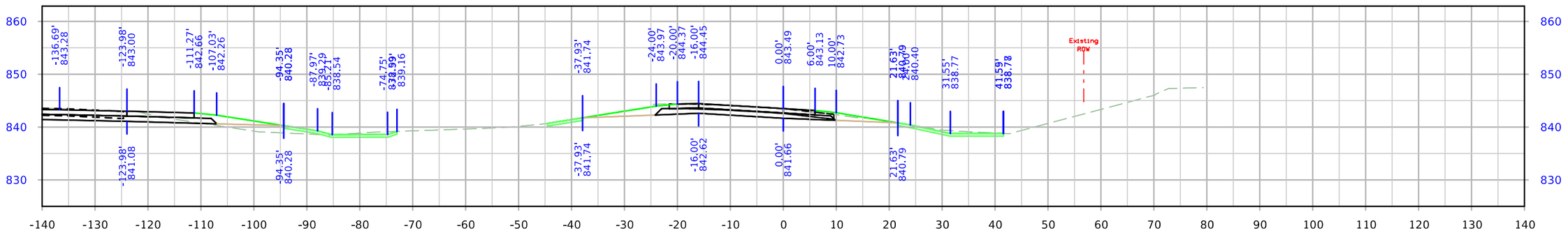
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.20

8:21:01 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y14.dgn

RPBRST



STA. 2016+10.42

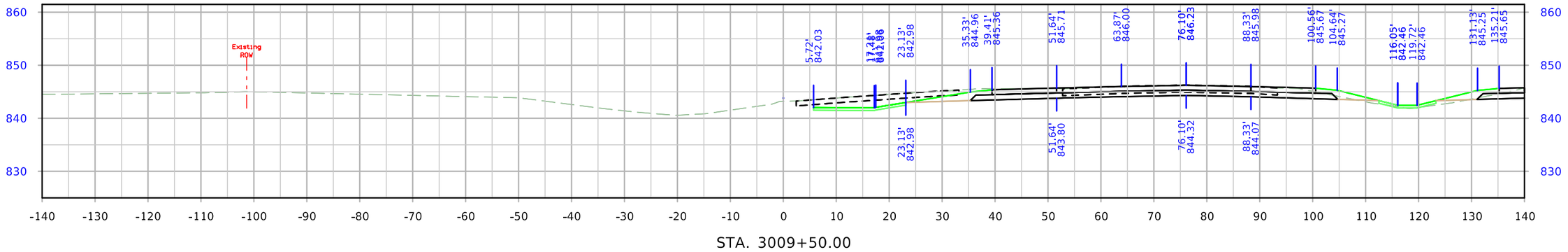


STA. 2016+00.00

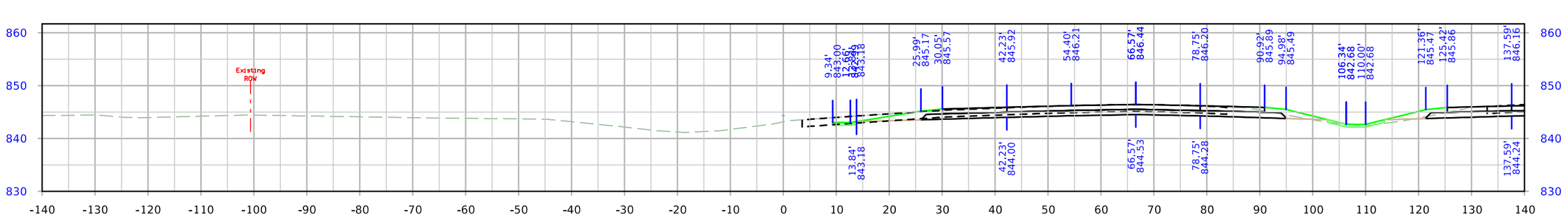
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.21

8:21:06 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y14.dgn

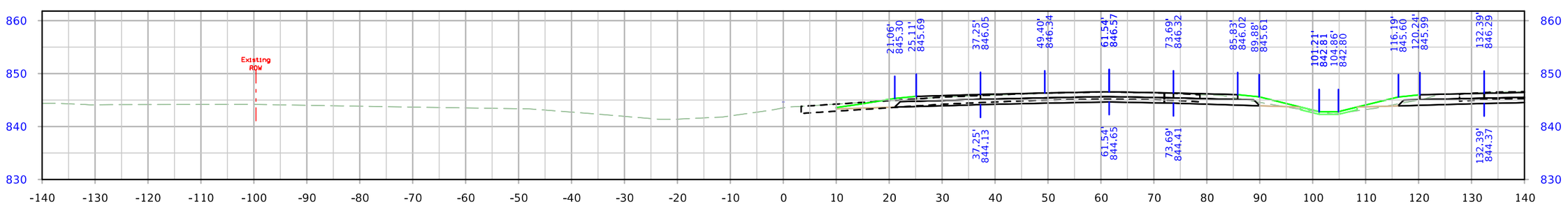
RPCRST



STA. 3009+50.00



STA. 3009+00.00

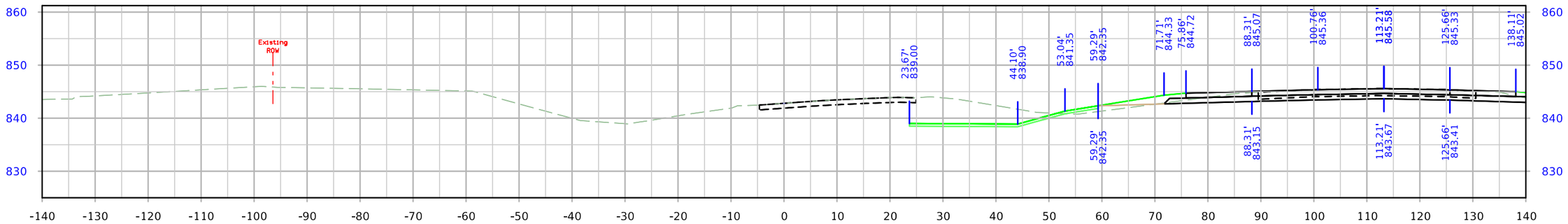


STA. 3008+70.15

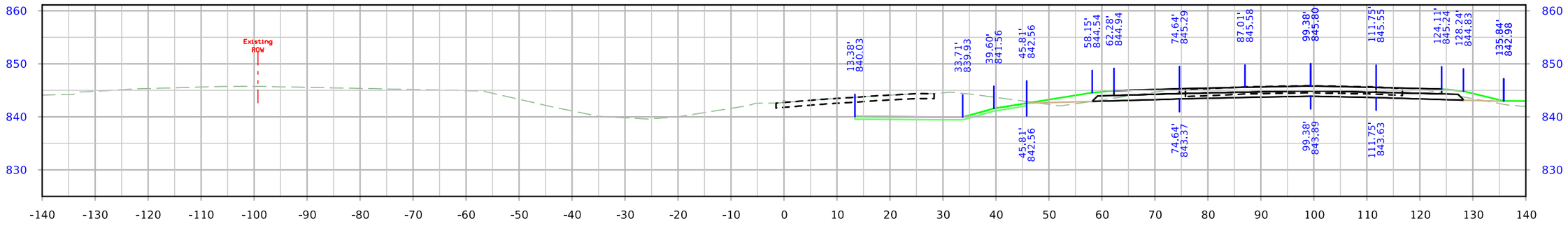
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.22

8:21:12 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y14.dgn

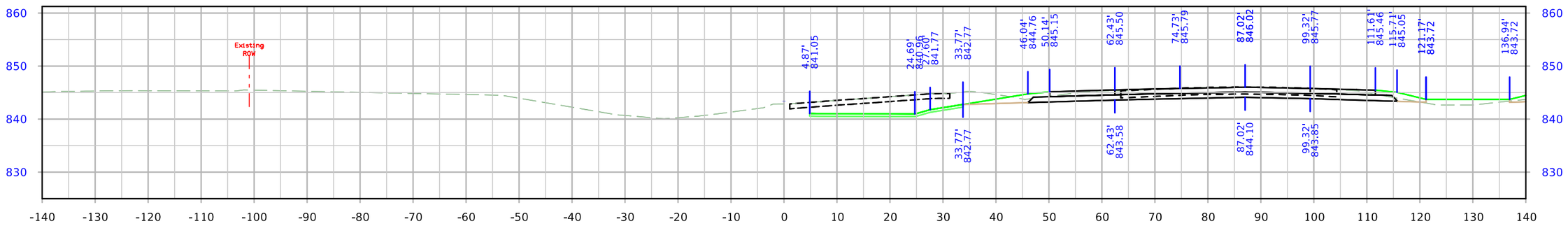
RPCRST



STA. 3011+00.00



STA. 3010+50.00

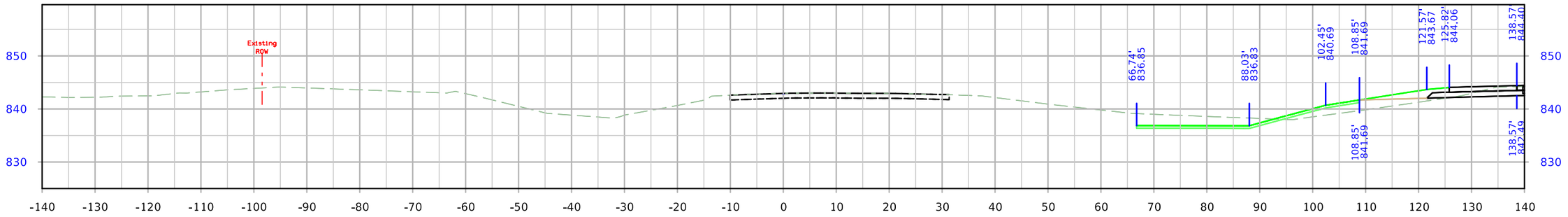


STA. 3010+00.00

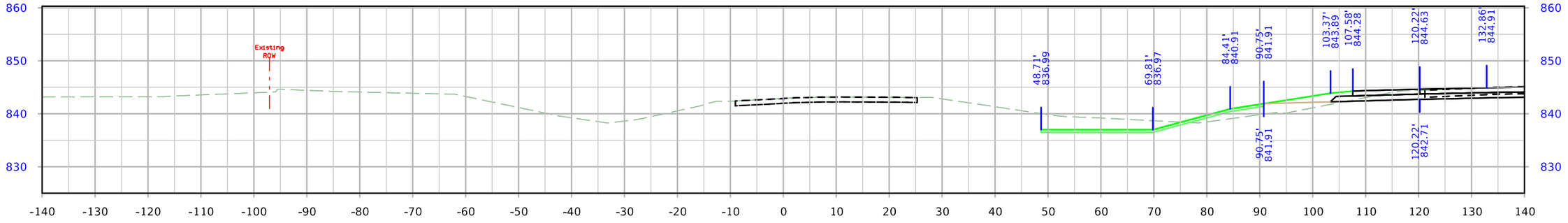
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.23

8:21:18 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y14.dgn

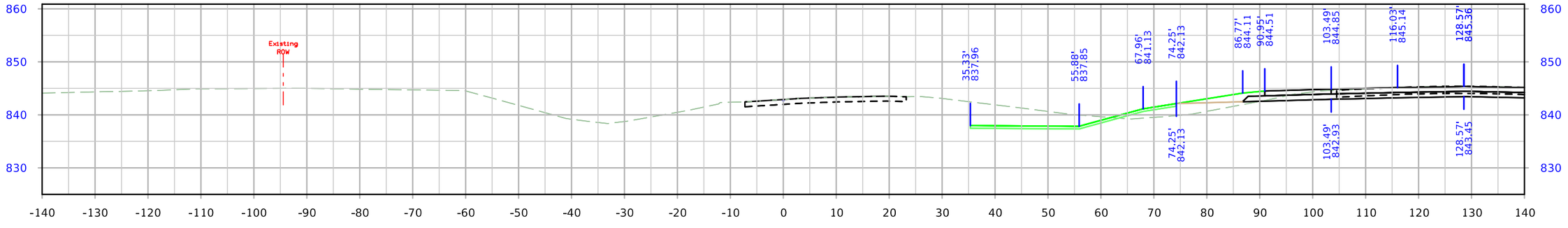
RPCRST



STA. 3012+50.00



STA. 3012+00.00

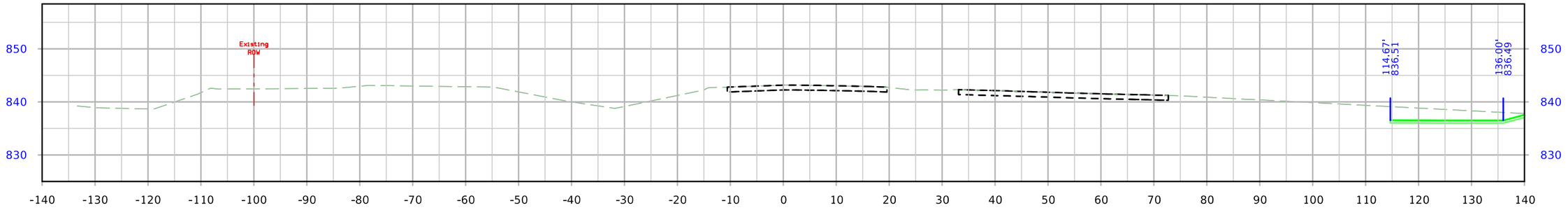


STA. 3011+50.00

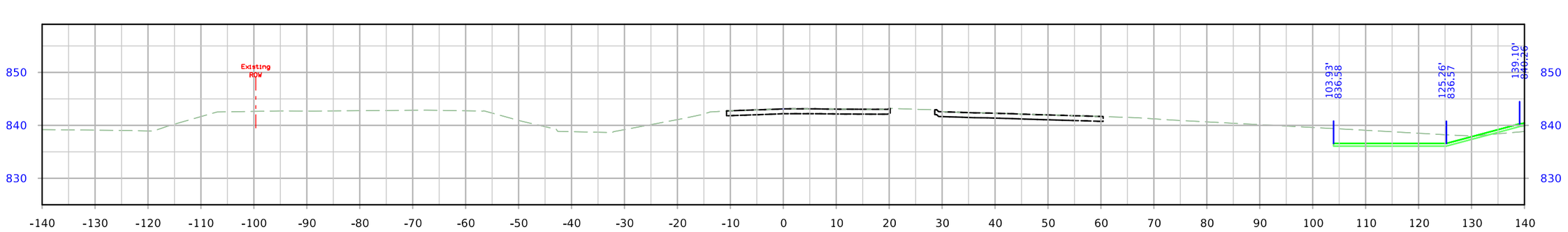
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.24

8:21:24 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y14.dgn

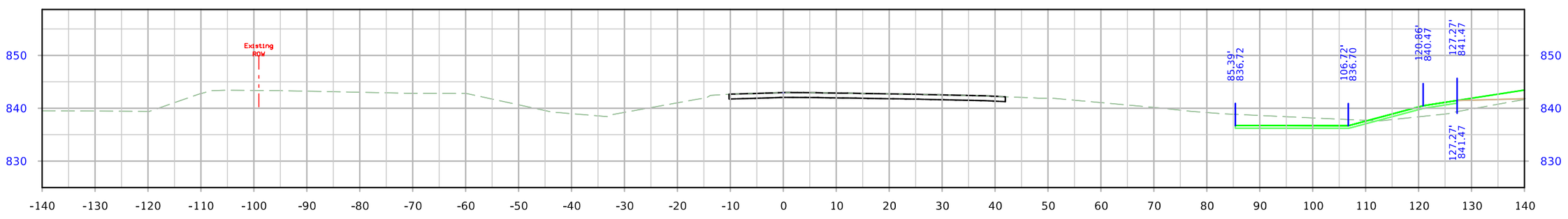
RPCRST



STA. 3013+78.96



STA. 3013+50.00

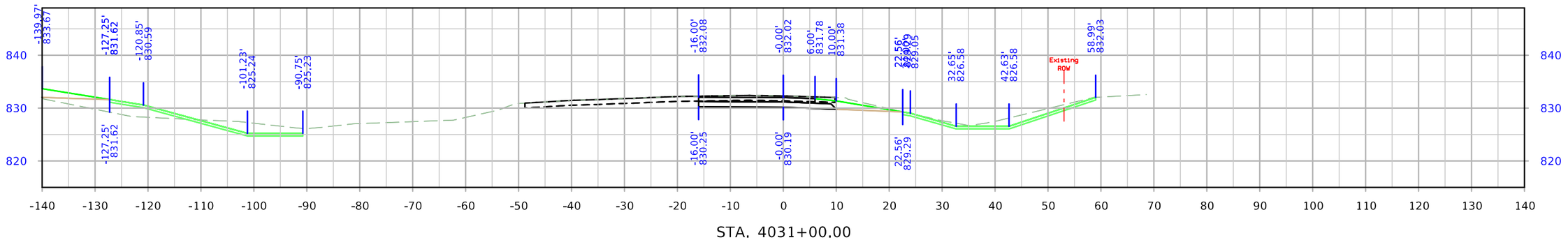


STA. 3013+00.00

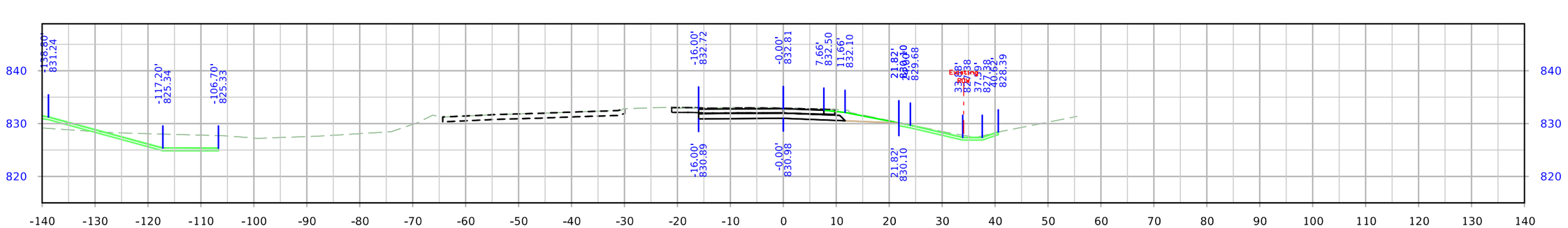
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.25

8:21:31 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y14.dgn

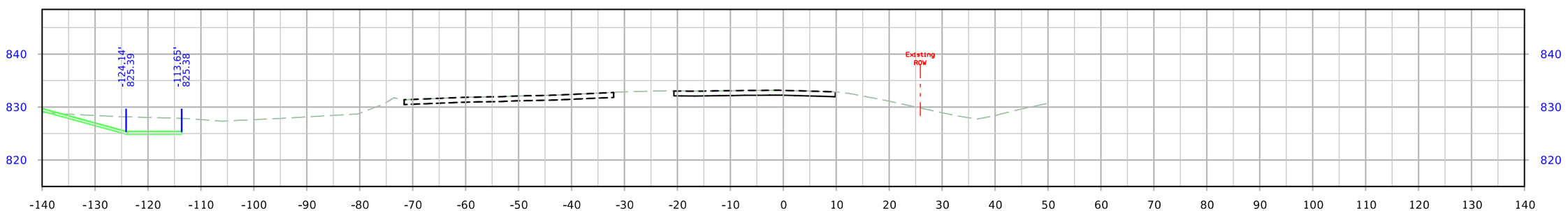
RPDRST



STA. 4031+00.00



STA. 4030+50.00

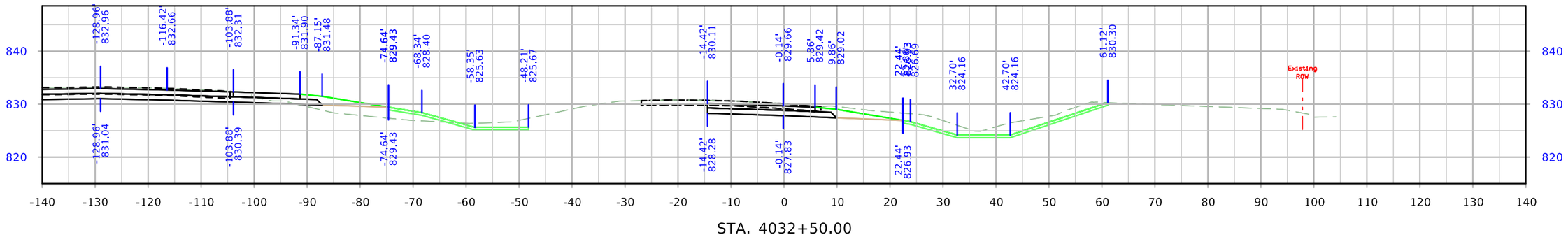


STA. 4030+28.37

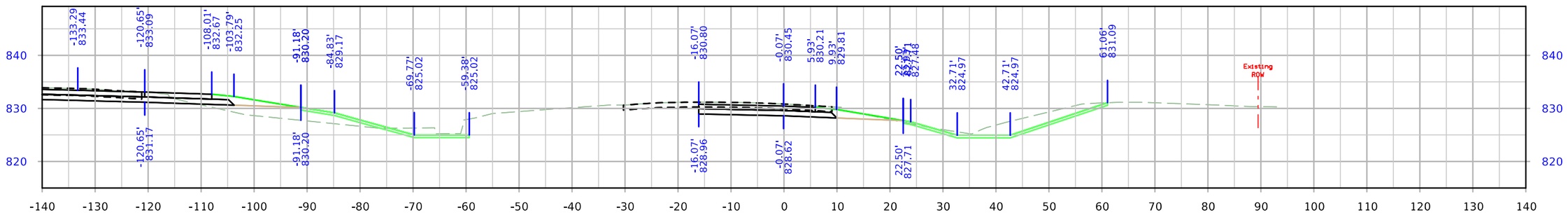
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.26

8:21:37 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y14.dgn

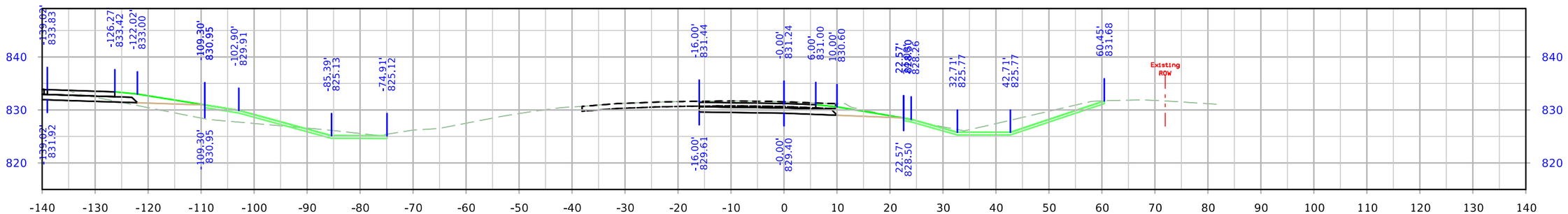
RPDRST



STA. 4032+50.00



STA. 4032+00.00

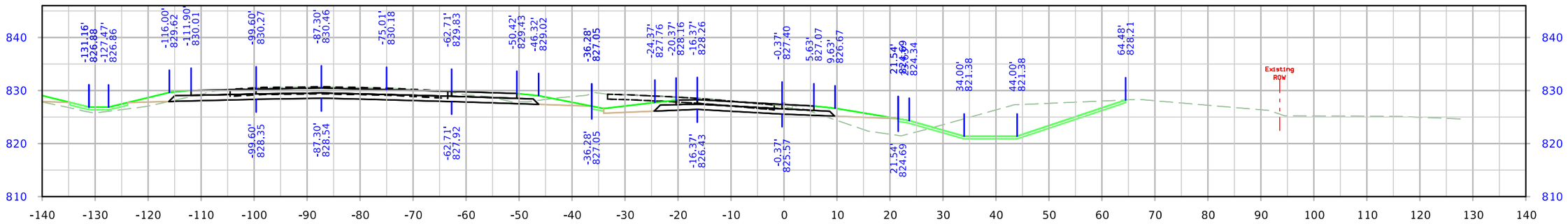


STA. 4031+50.00

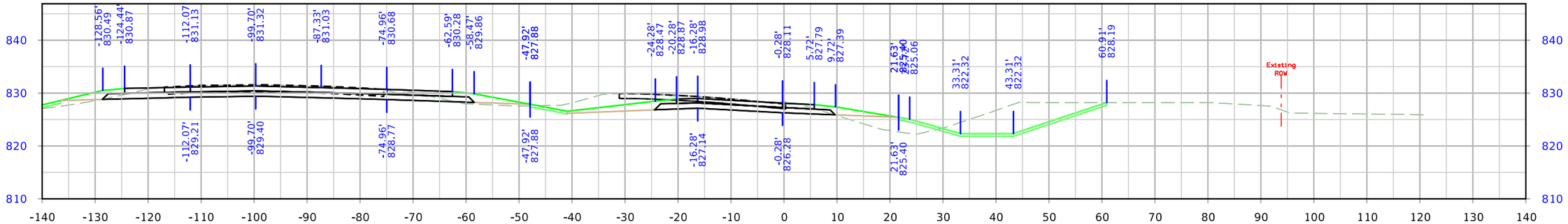
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.27

8:21:44 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y14.dgn

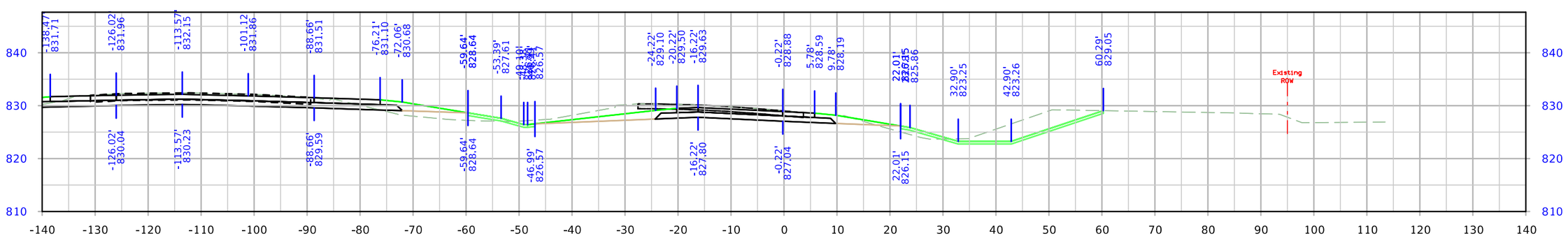
RPDRST



STA. 4034+00.00



STA. 4033+50.00

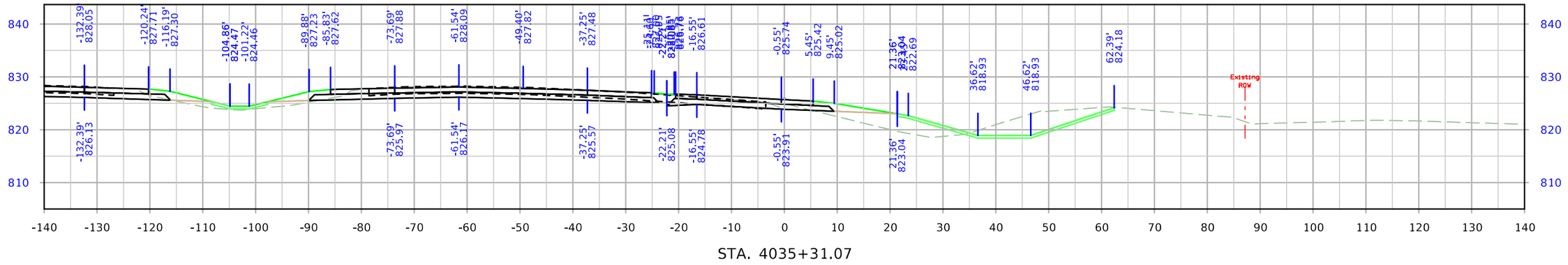


STA. 4033+00.00

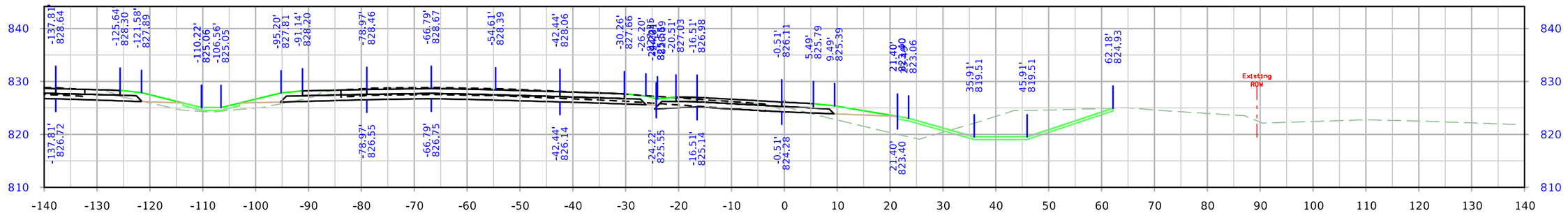
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.28

8:21:51 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y14.dgn

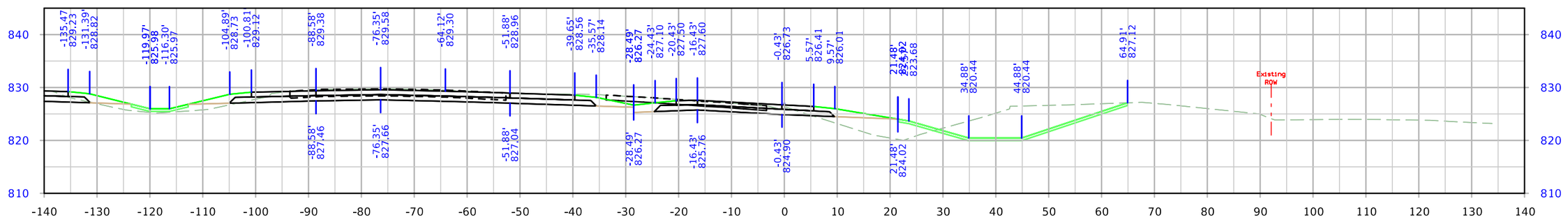
RPDRST



STA. 4035+31.07



STA. 4035+00.00

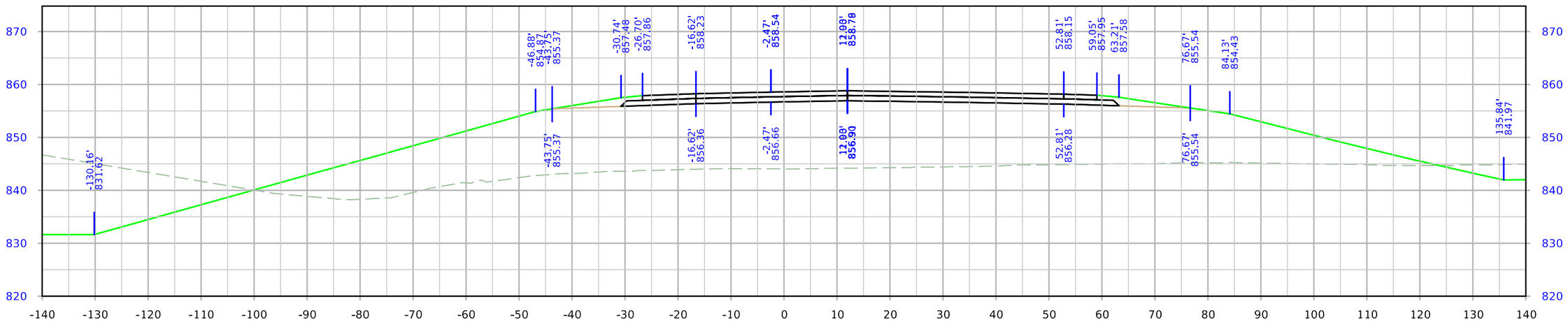


STA. 4034+50.00

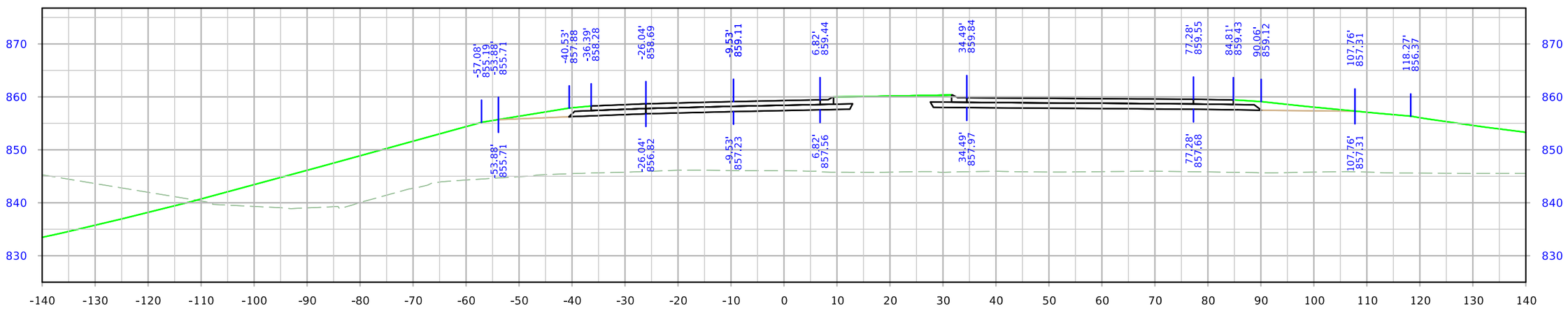
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER Y.29

8:21:58 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y14.dgn

RPAWRT



STA. 1108+50.00

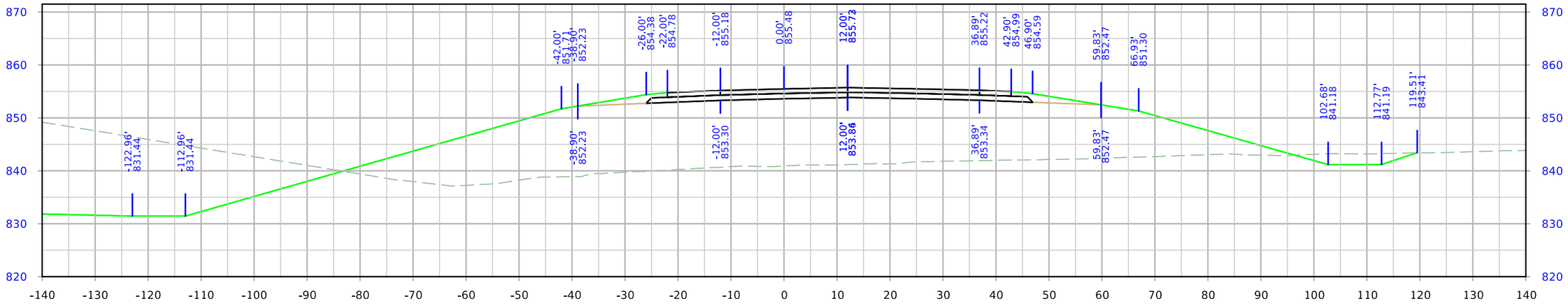


STA. 1108+00.00

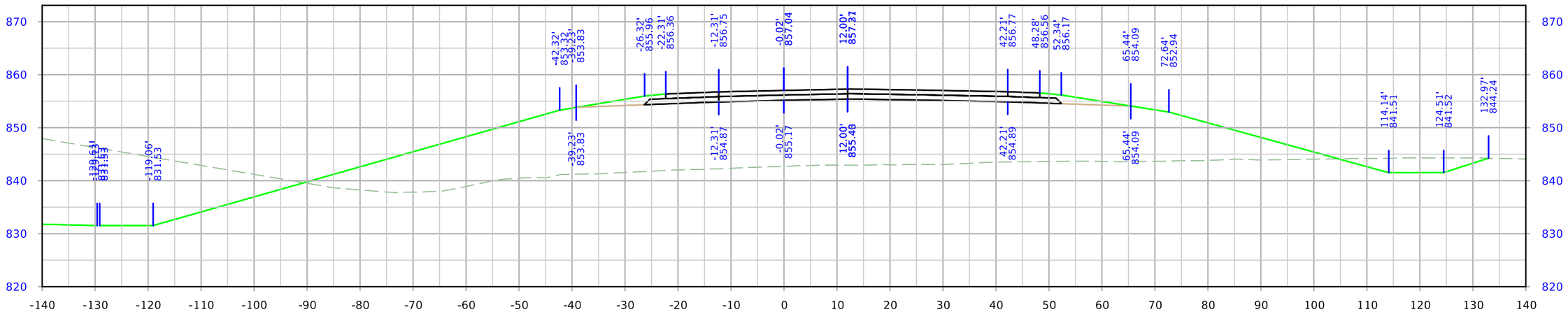
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER Y.30

8:22:38 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y30.dgn

RPAWRT



STA. 1109+50.00

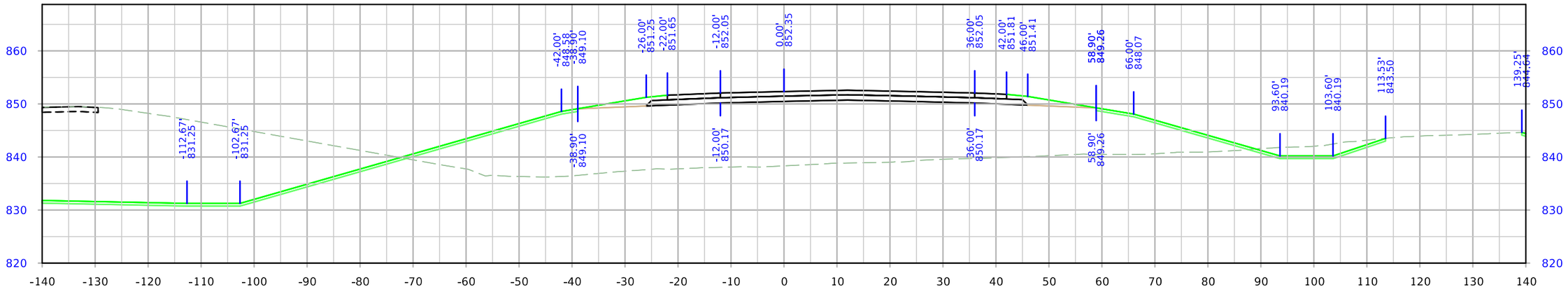


STA. 1109+00.00

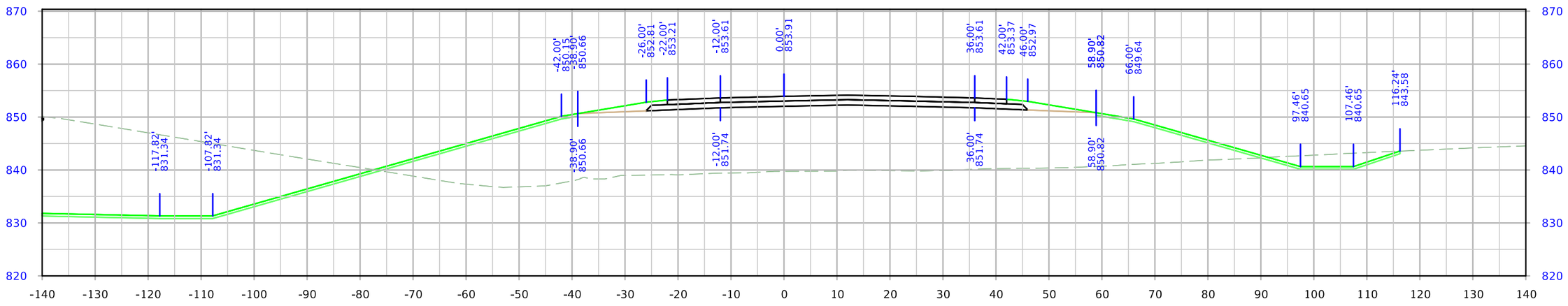
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.31

8:22:44 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y30.dgn

RPAWRT



STA. 1110+50.00

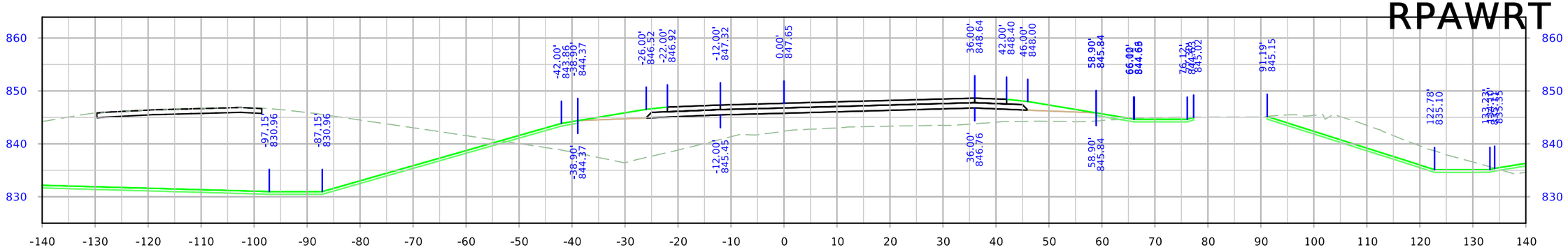


STA. 1110+00.00

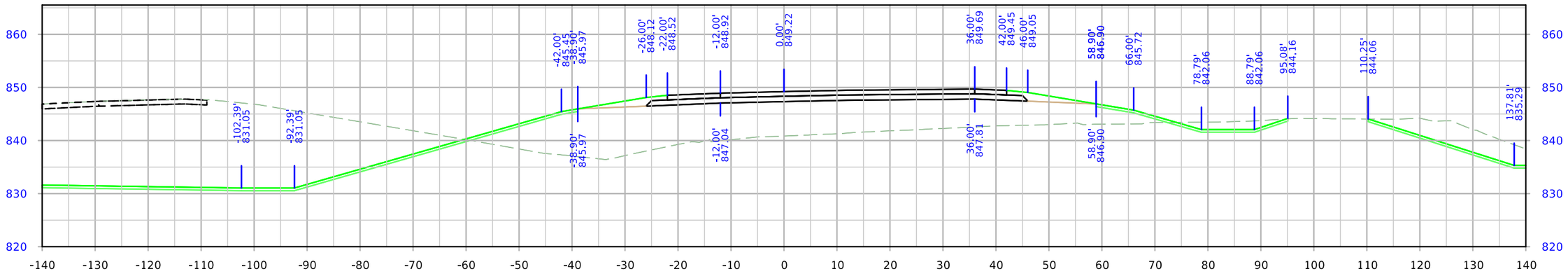
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.32

8:22:51 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y30.dgn

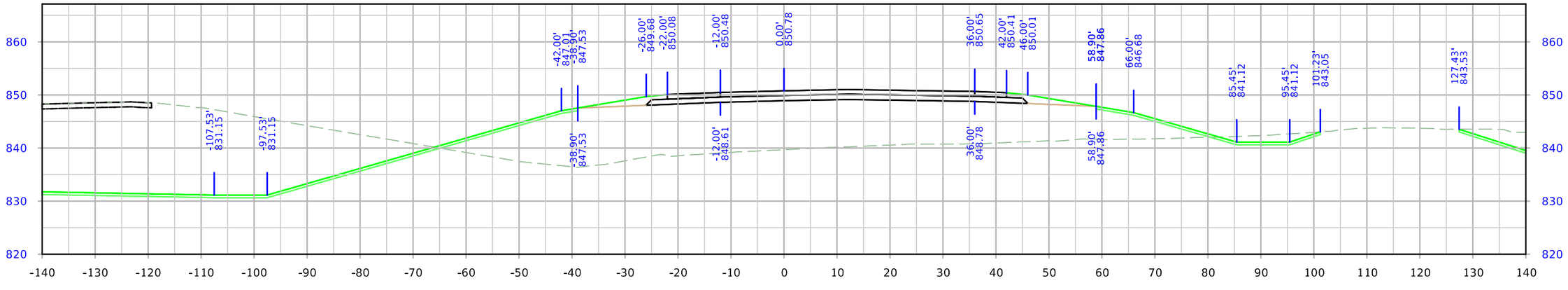
RPAWRT



STA. 1112+00.00



STA. 1111+50.00

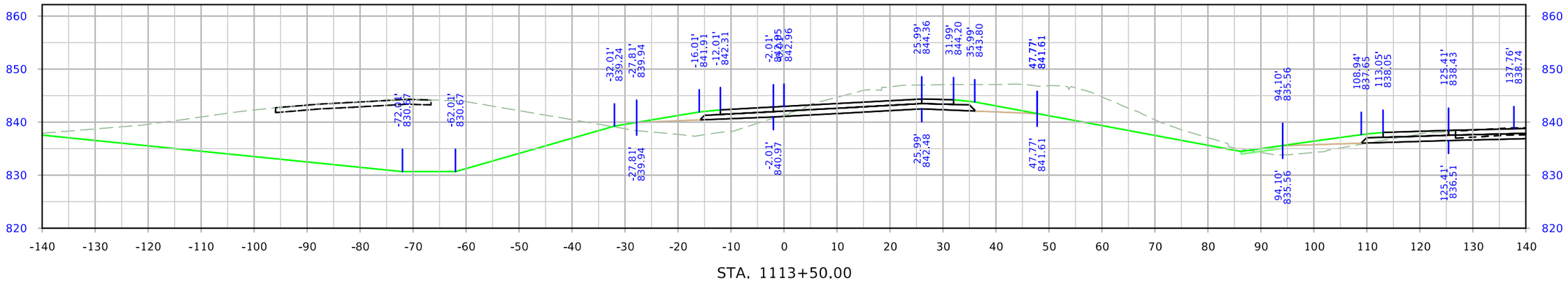


STA. 1111+00.00

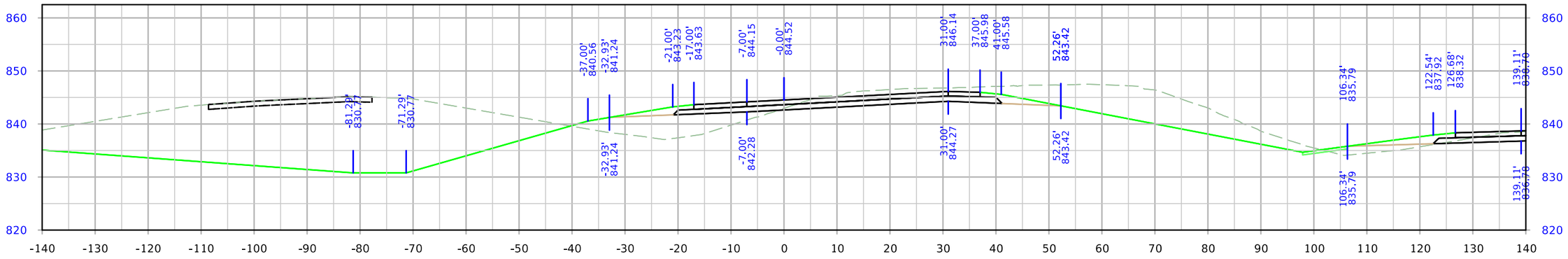
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.33

8:22:59 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y30.dgn

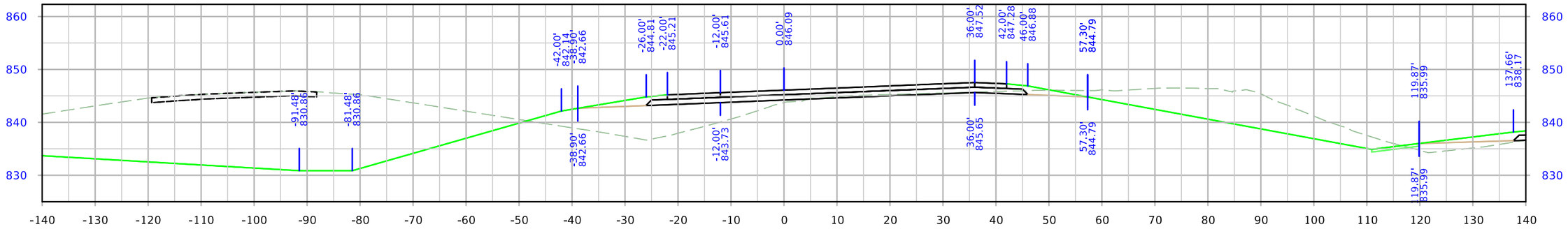
RPAWRT



STA. 1113+50.00



STA. 1113+00.00

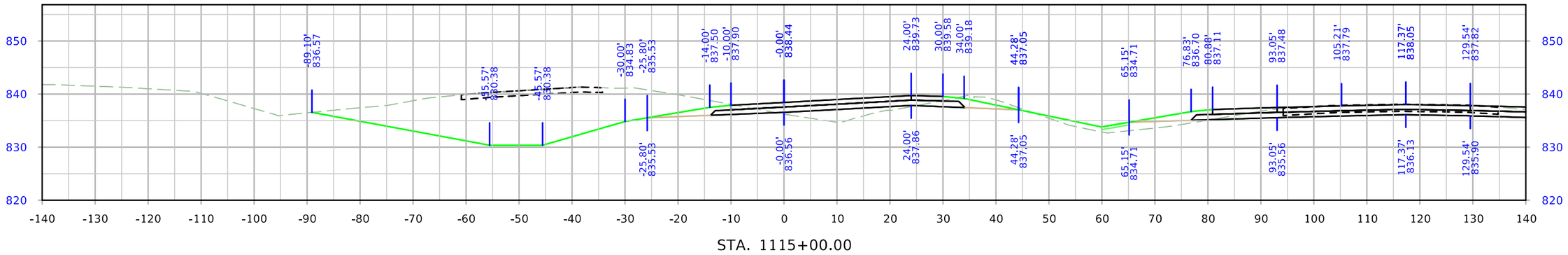


STA. 1112+50.00

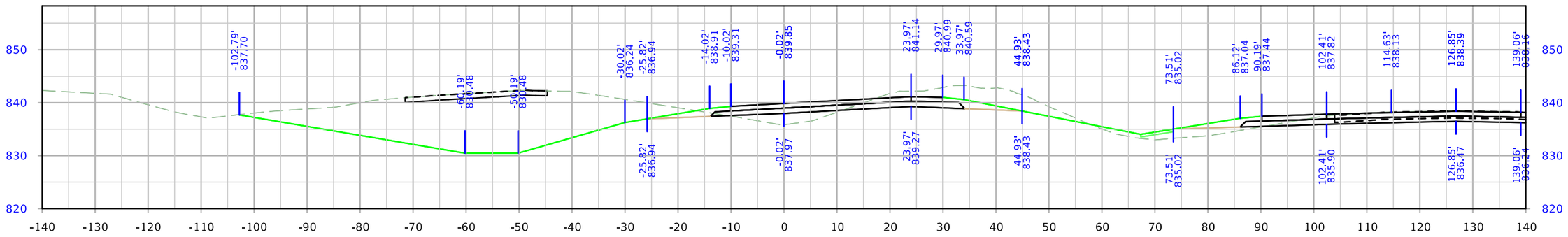
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.34

8:23:08 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y30.dgn

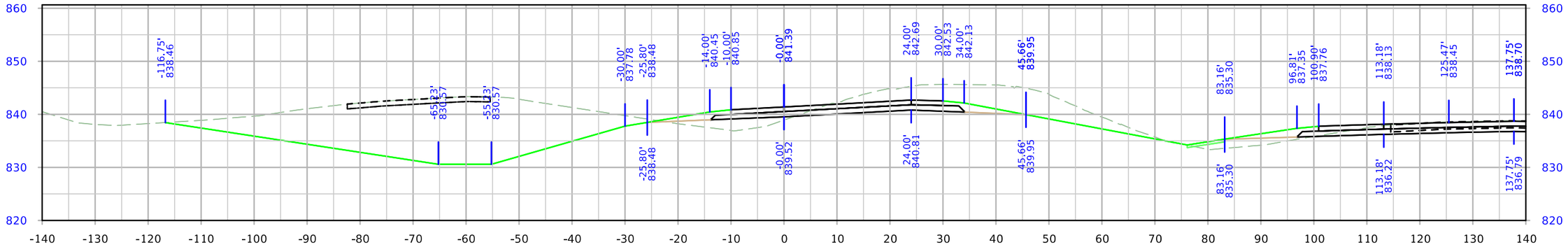
RPAWRT



STA. 1115+00.00



STA. 1114+50.00

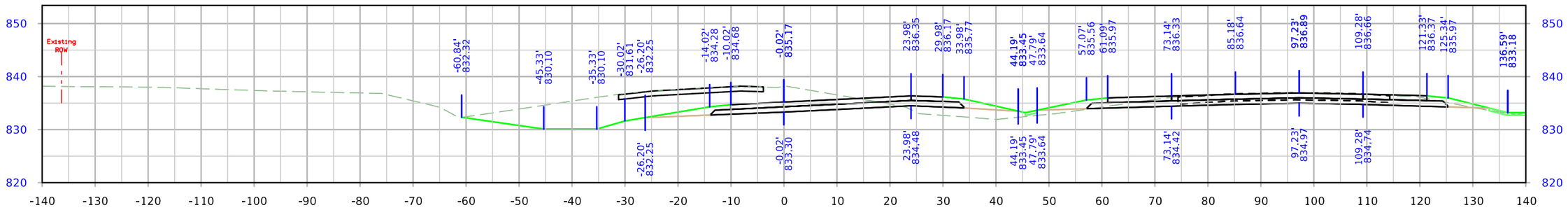


STA. 1114+00.00

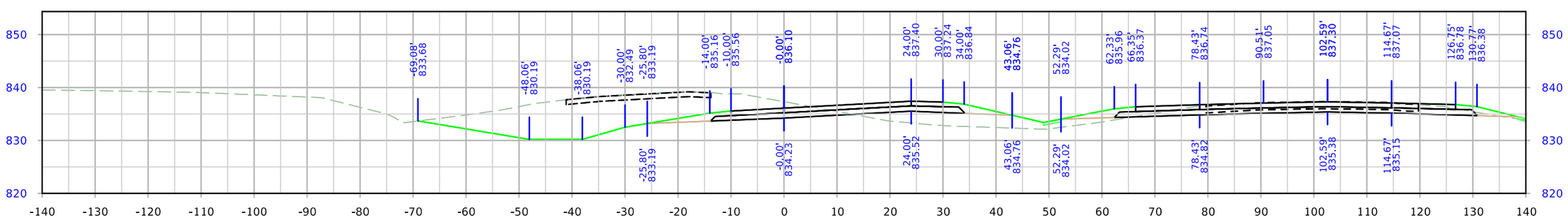
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.35

8:23:16 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y30.dgn

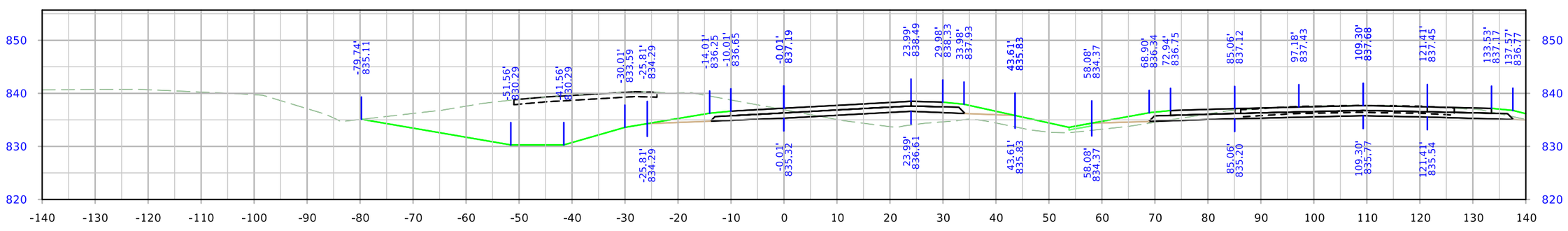
RPAWRT



STA. 1116+50.00



STA. 1116+00.00

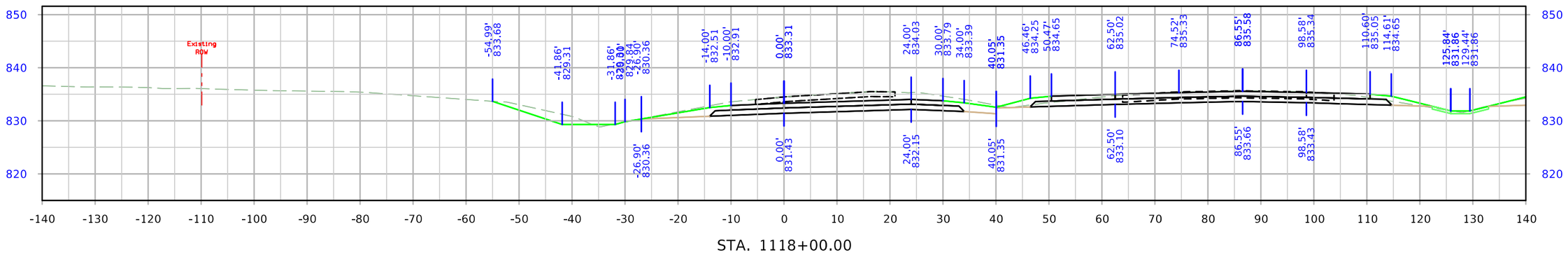


STA. 1115+50.00

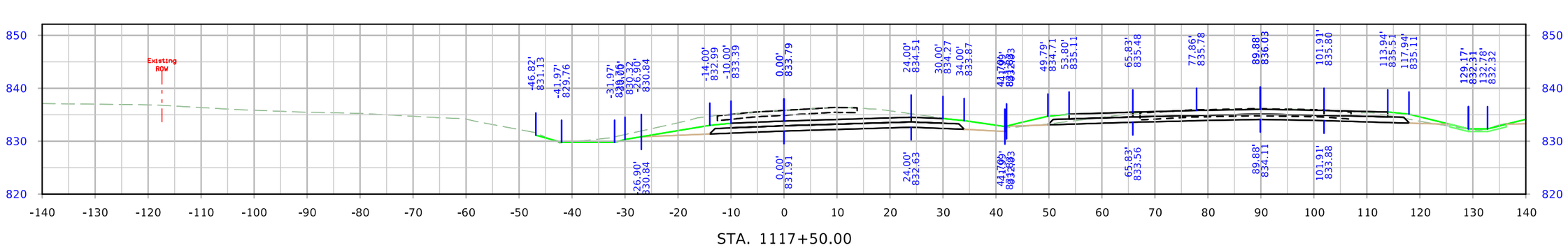
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.36

8:23:25 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y30.dgn

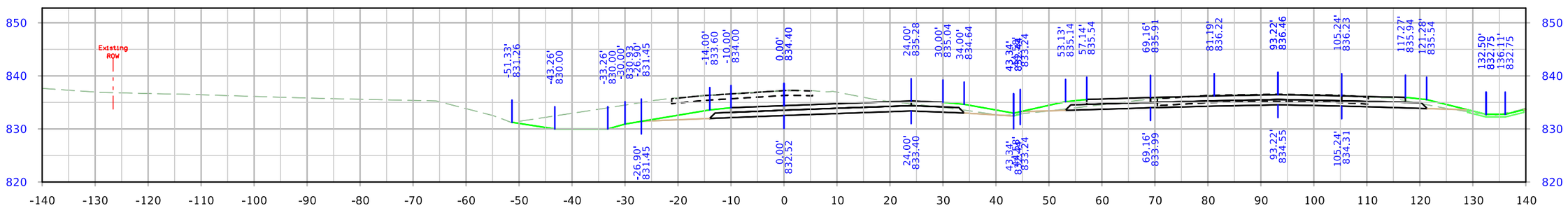
RPAWRT



STA. 1118+00.00



STA. 1117+50.00

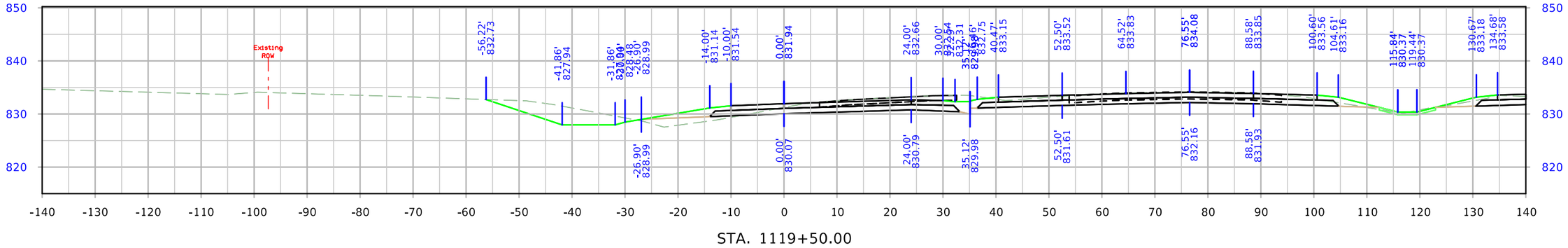


STA. 1117+00.00

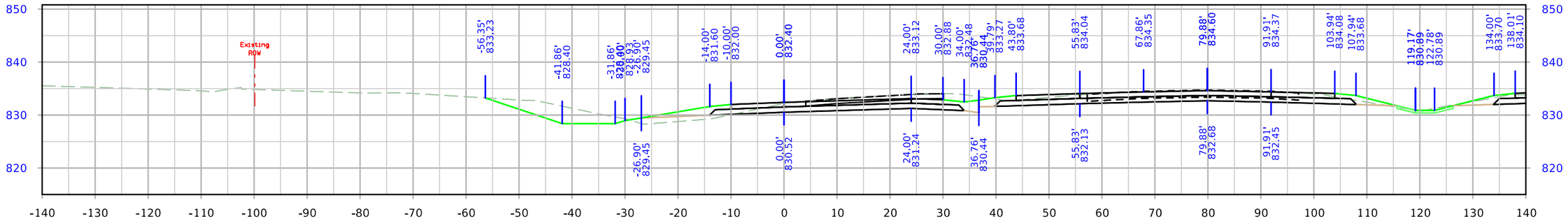
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.37

8:23:33 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y30.dgn

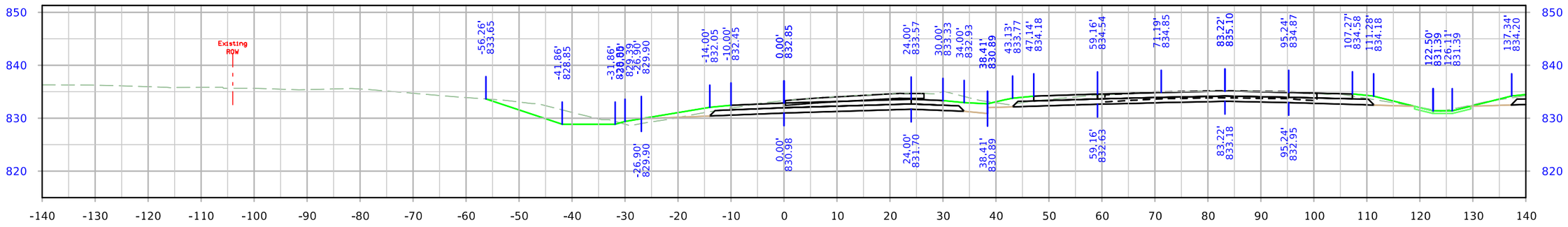
RPAWRT



STA. 1119+50.00



STA. 1119+00.00

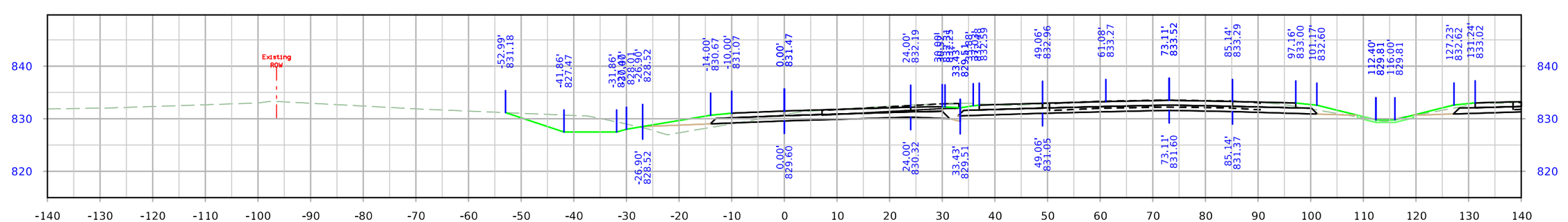


STA. 1118+50.00

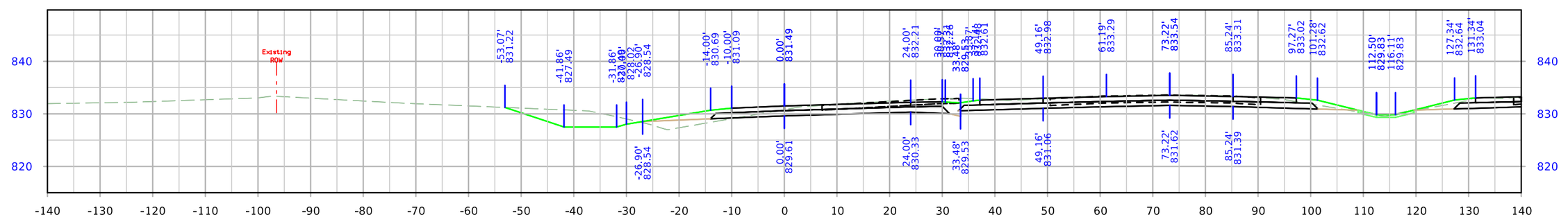
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.38

8:23:41 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y30.dgn

RPAWRT



STA. 1120+01.60

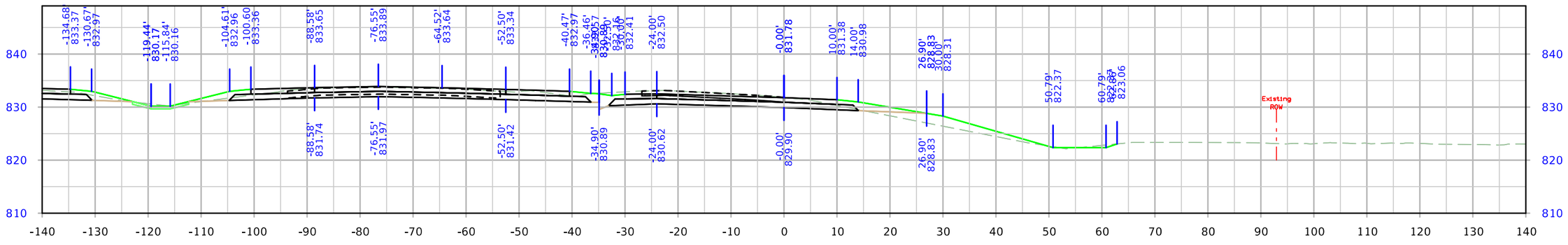


STA. 1120+00.00

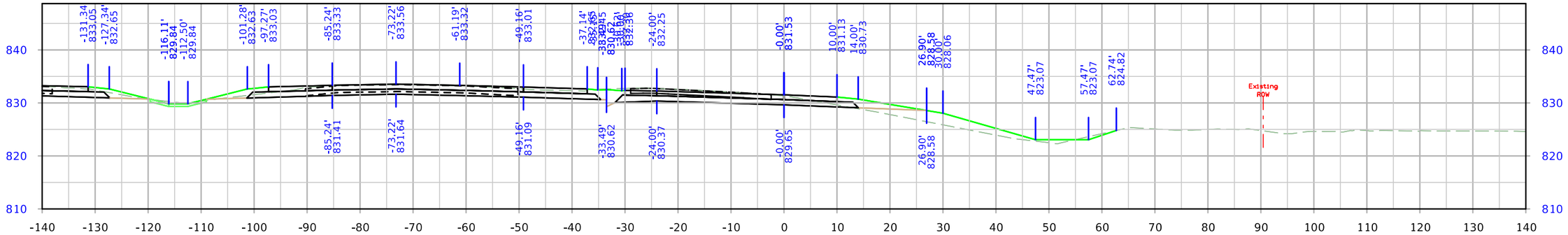
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER Y.39

8:23:47 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y30.dgn

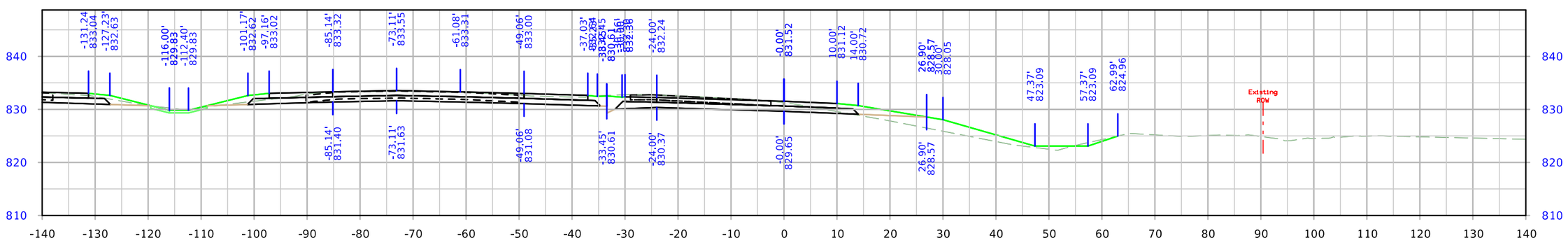
RPBWRT



STA. 2093+50.00



STA. 2093+00.00

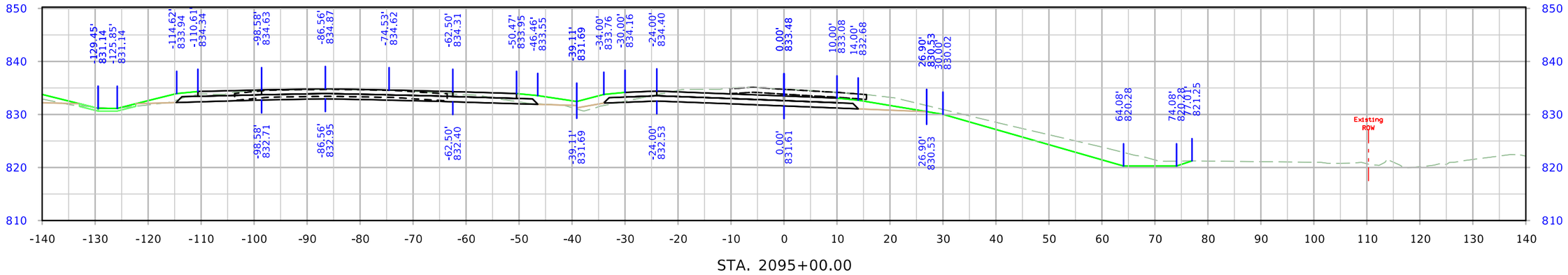


STA. 2092+98.40

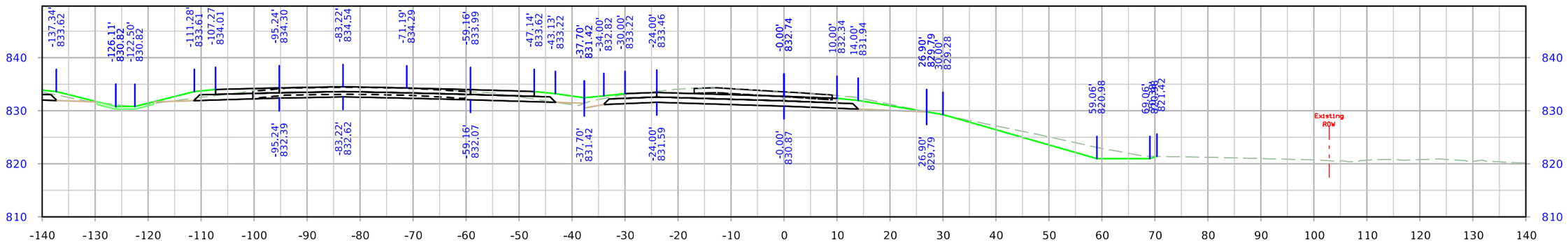
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.40

8:23:56 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y30.dgn

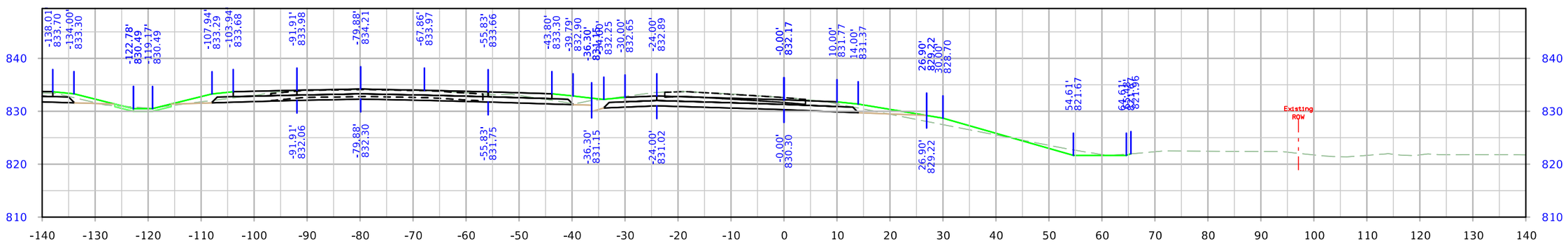
RPBWRT



STA. 2095+00.00



STA. 2094+50.00

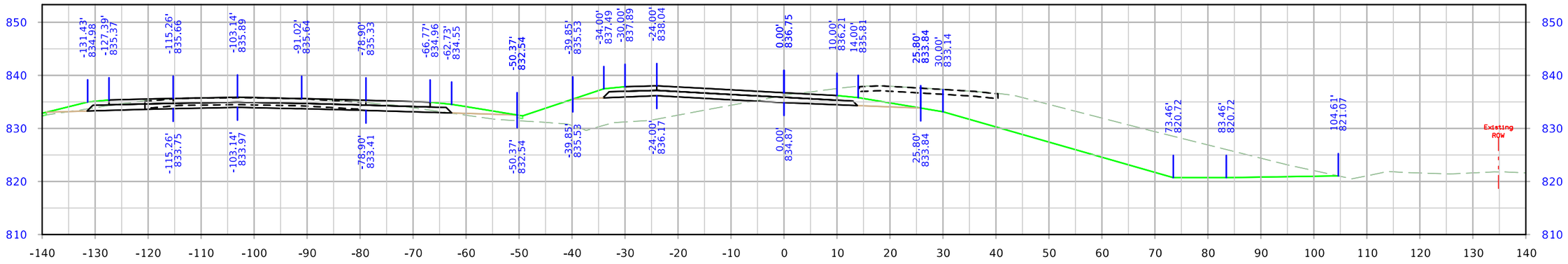


STA. 2094+00.00

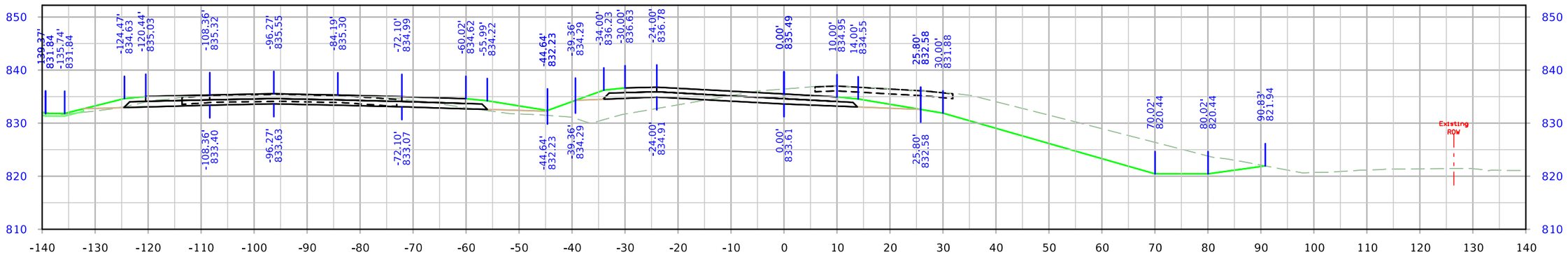
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.41

8:24:05 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y30.dgn

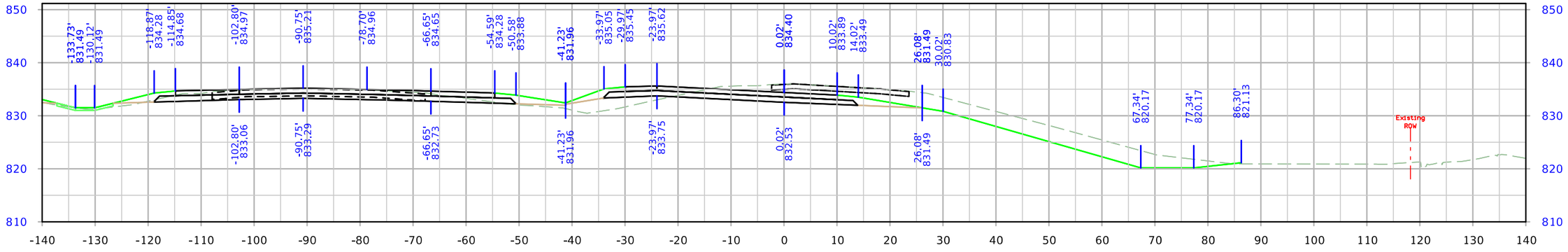
RPBWRT



STA. 2096+50.00



STA. 2096+00.00

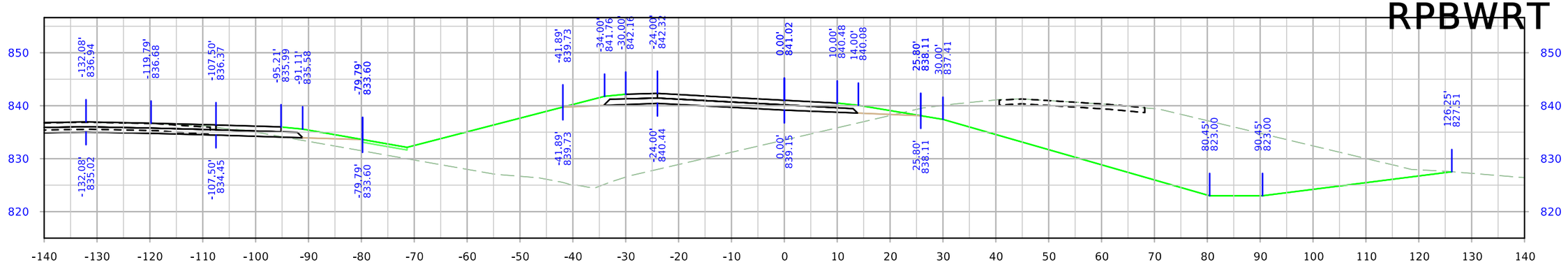


STA. 2095+50.00

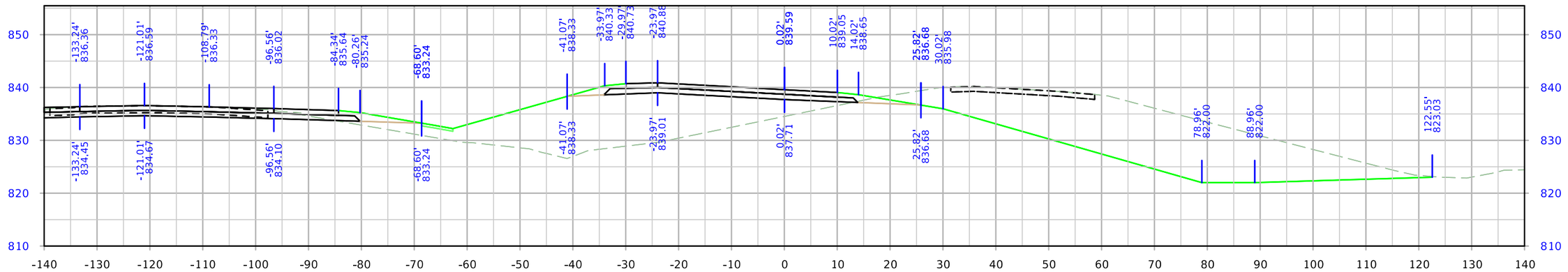
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.42

8:24:13 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y30.dgn

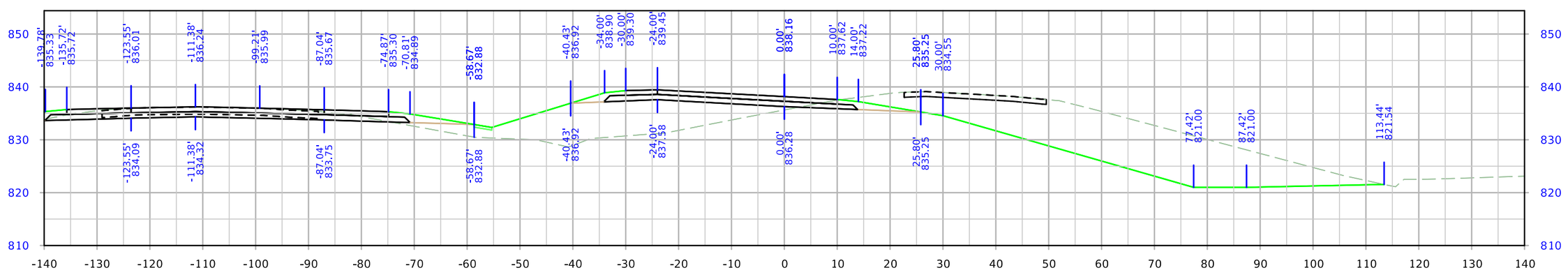
RPBWRT



STA. 2098+00.00



STA. 2097+50.00

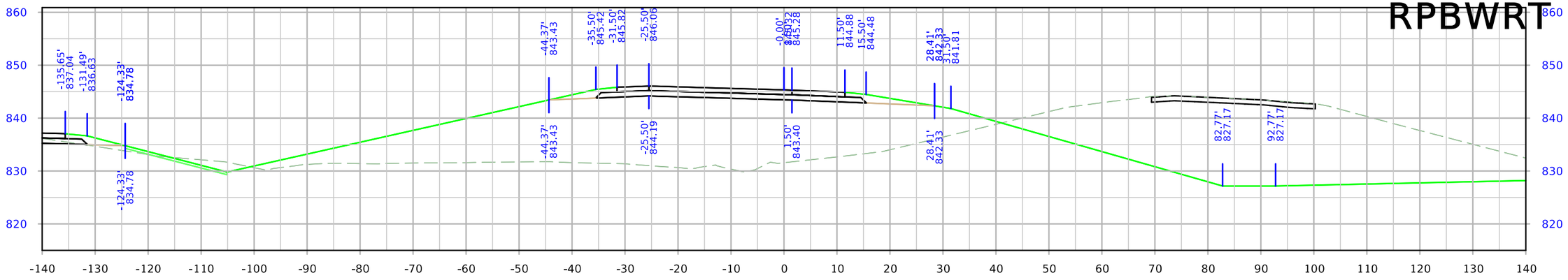


STA. 2097+00.00

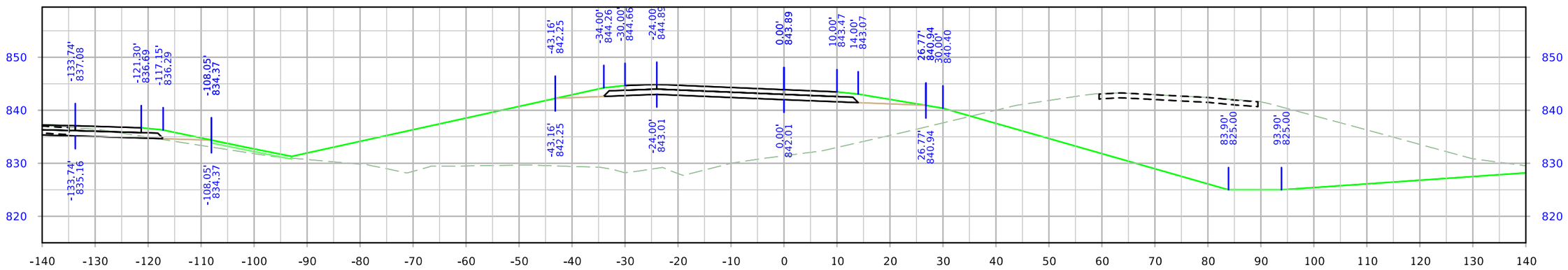
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.43

8:24:22 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y30.dgn

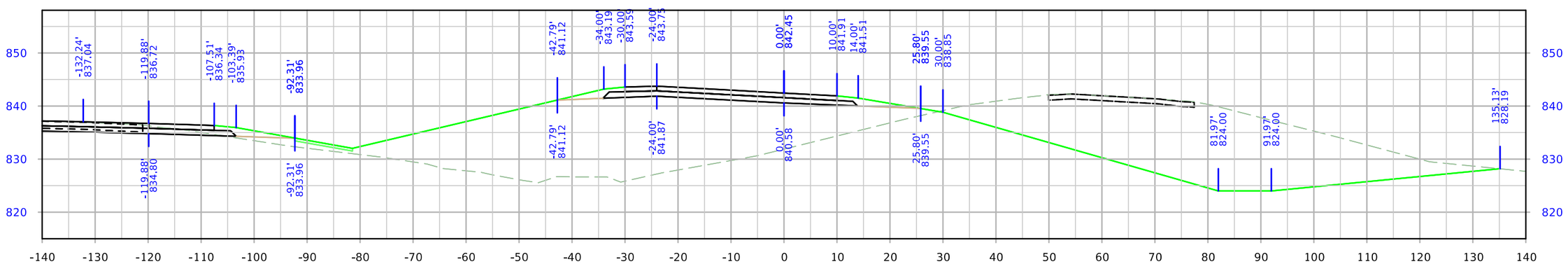
RPBWRT



STA. 2099+50.00



STA. 2099+00.00

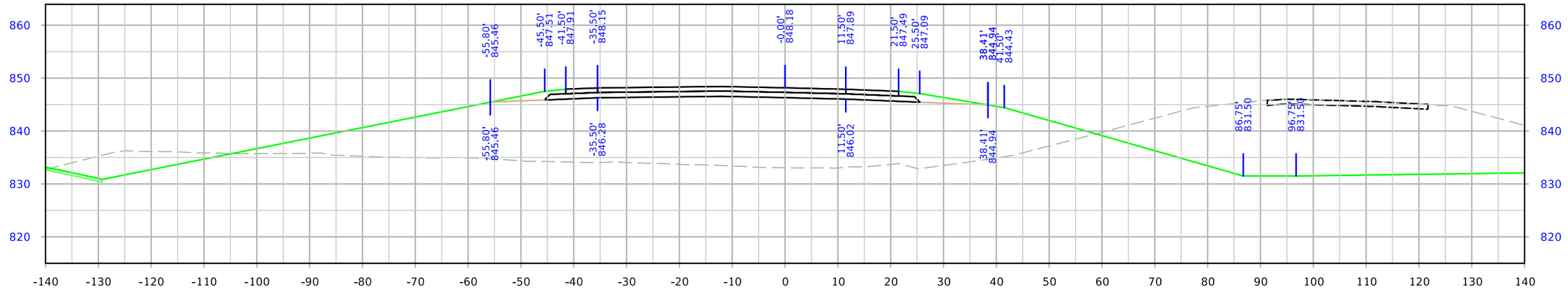


STA. 2098+50.00

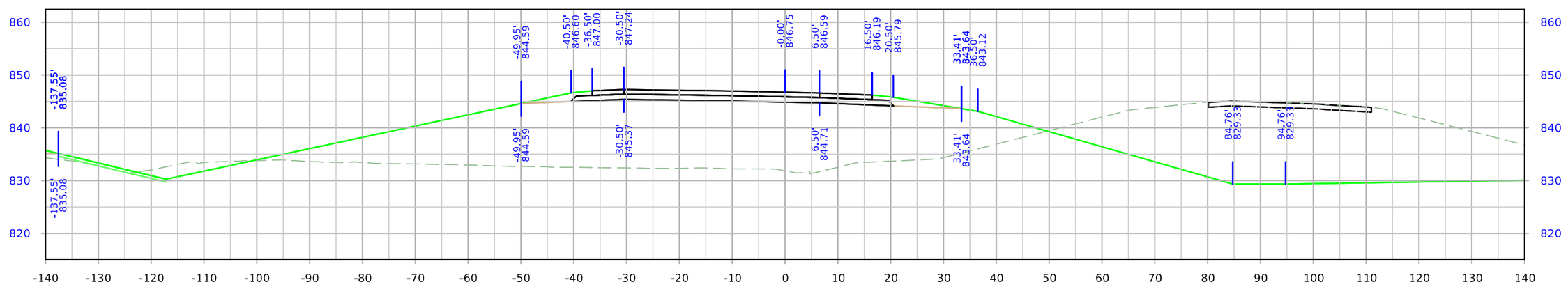
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.44

8:24:31 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y30.dgn

RPBWRT



STA. 2100+50.00

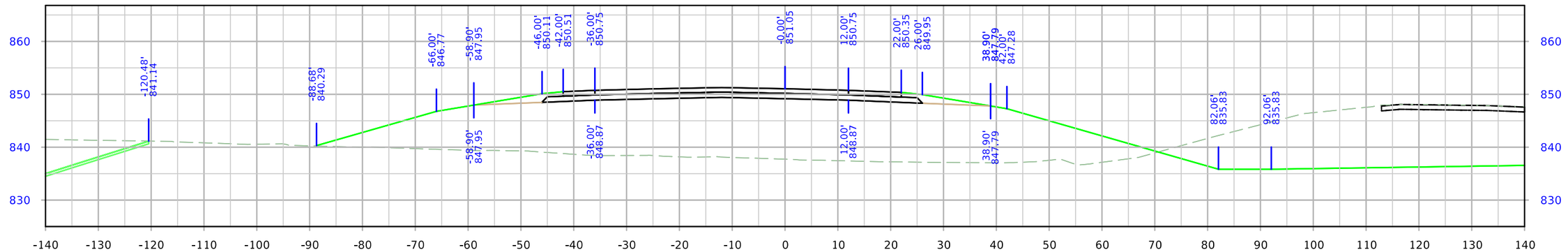


STA. 2100+00.00

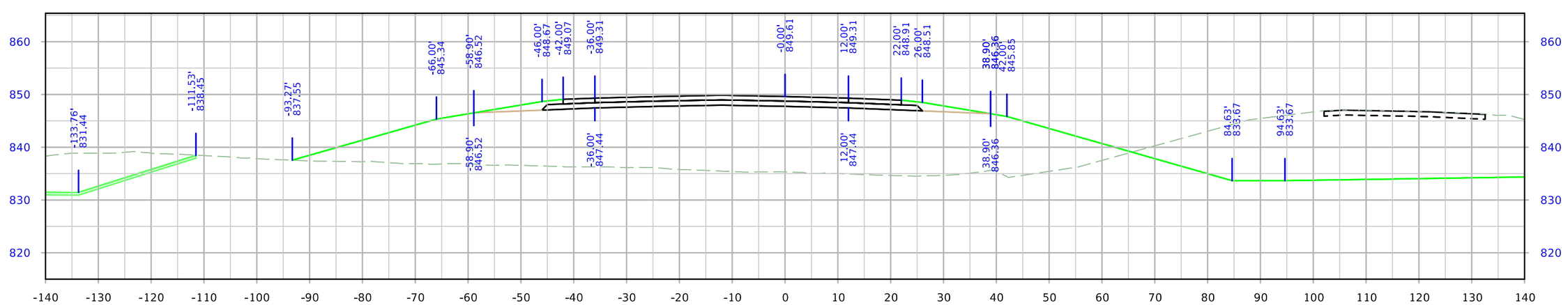
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.45

8:24:38 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y30.dgn

RPBWRT



STA. 2101+50.00

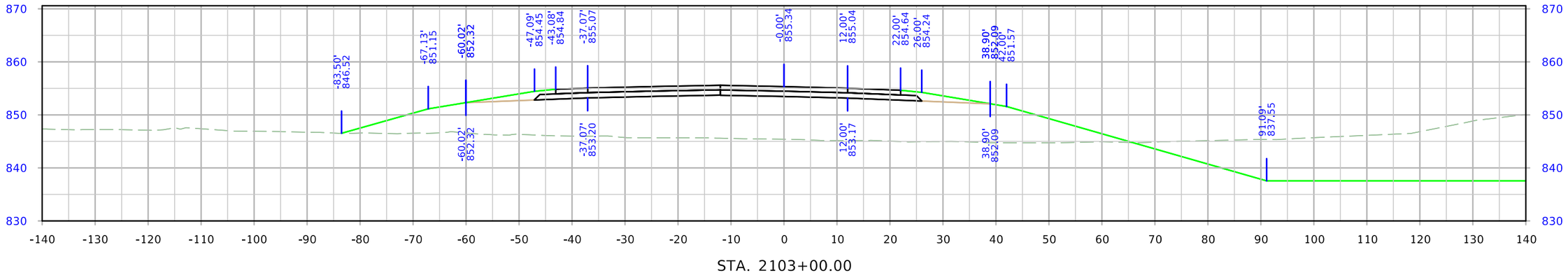


STA. 2101+00.00

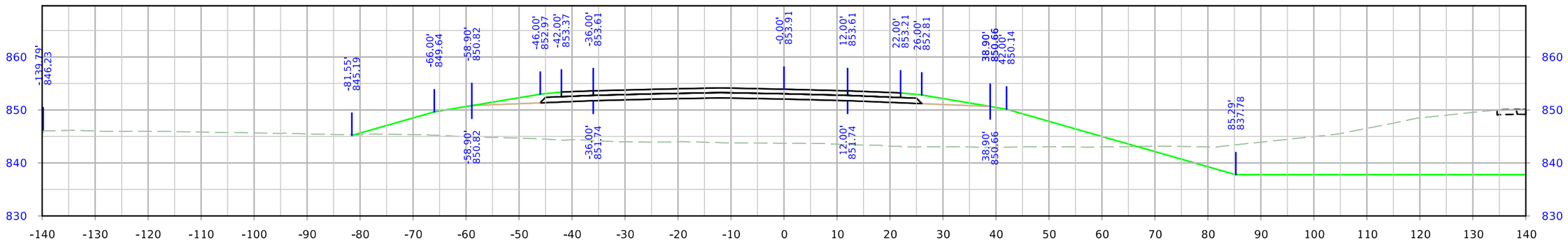
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.46

8:24:44 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y30.dgn

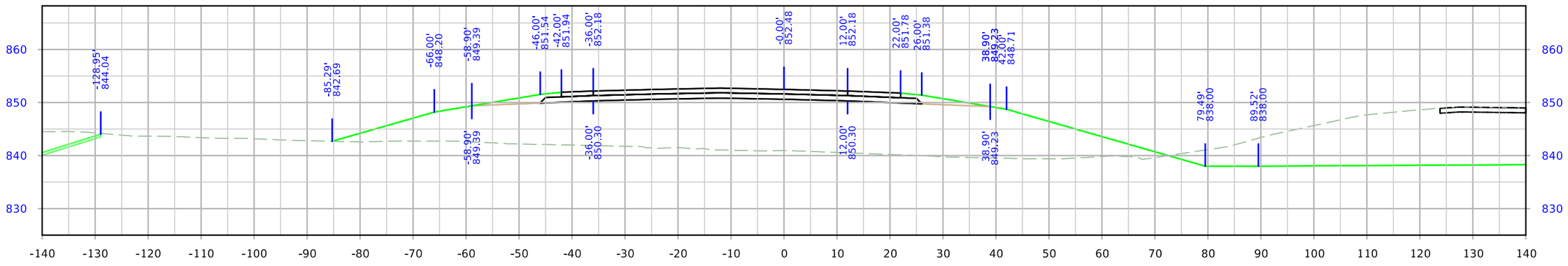
RPBWRT



STA. 2103+00.00



STA. 2102+50.00

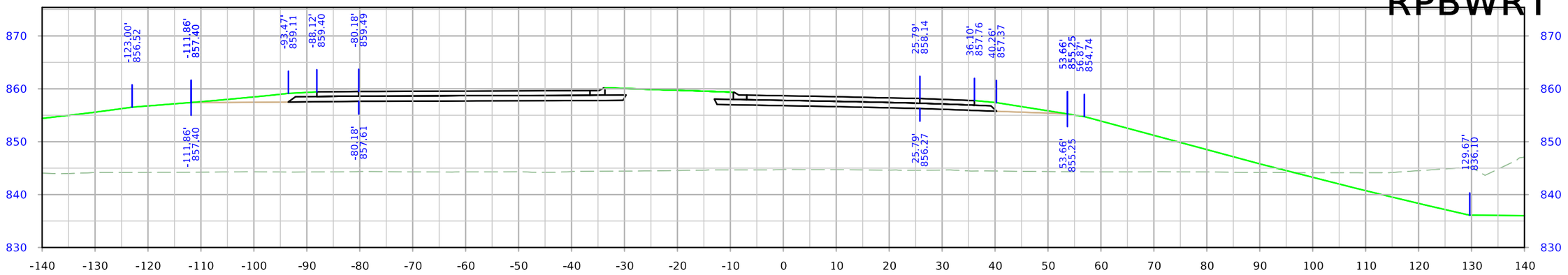


STA. 2102+00.00

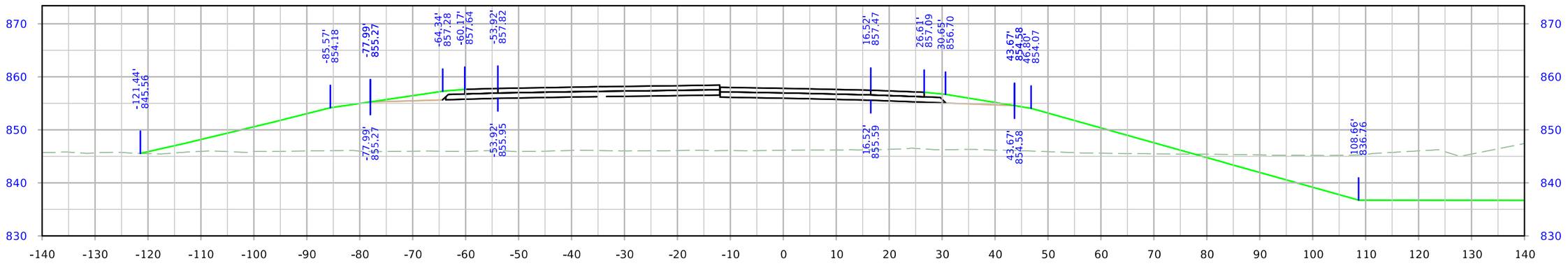
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.47

8:24:52 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y30.dgn

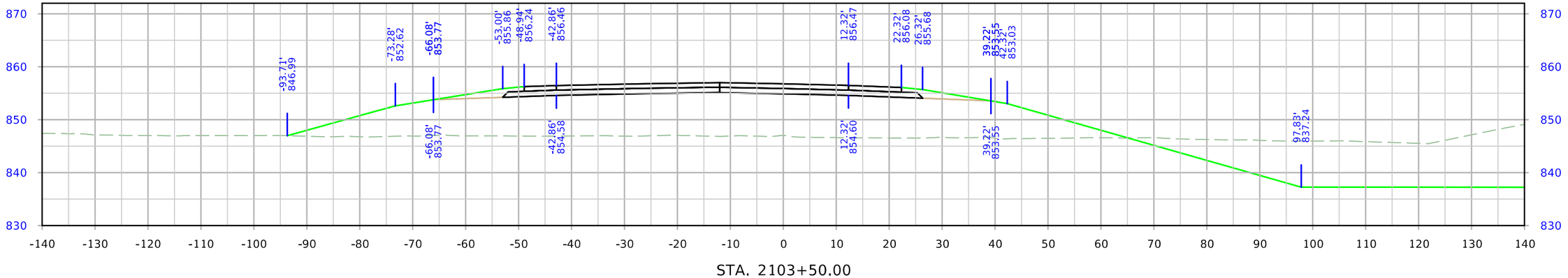
RPBWRT



STA. 2104+50.00



STA. 2104+00.00

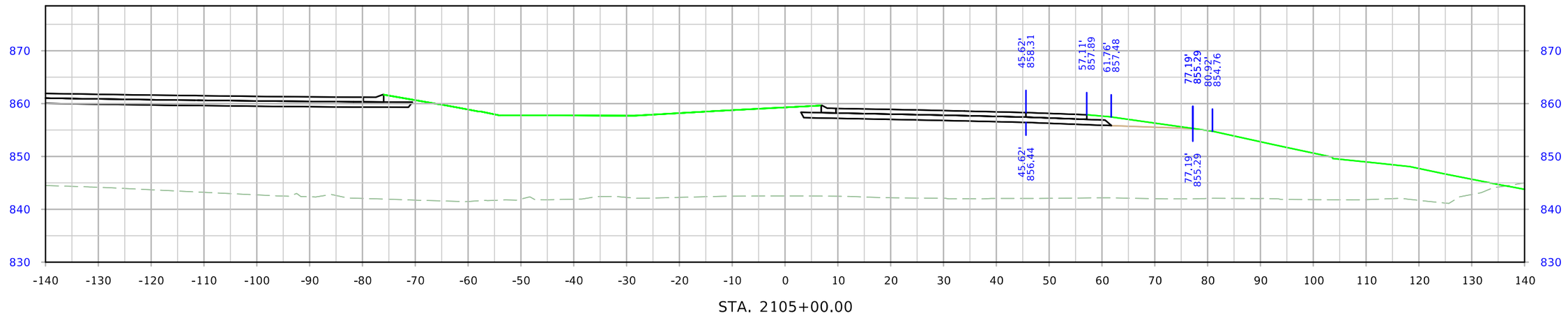


STA. 2103+50.00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.48

8:25:00 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y30.dgn

RPBWRT

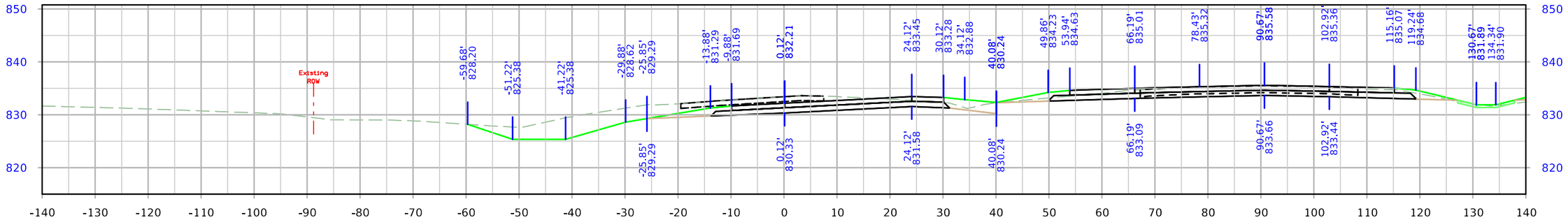


STA. 2105+00.00

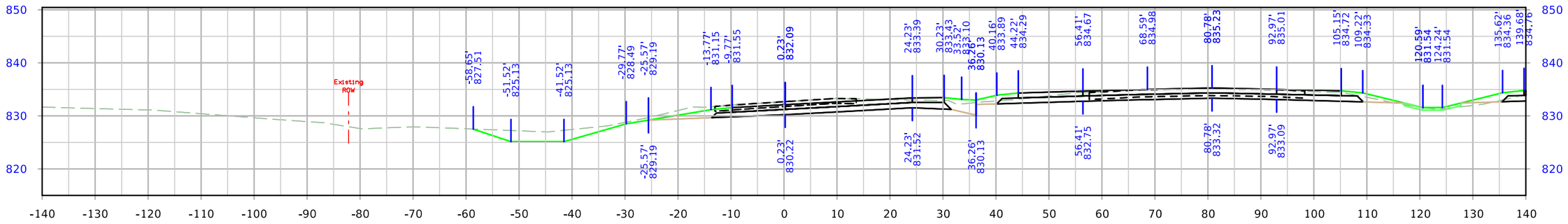
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.49

8:25:06 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y30.dgn

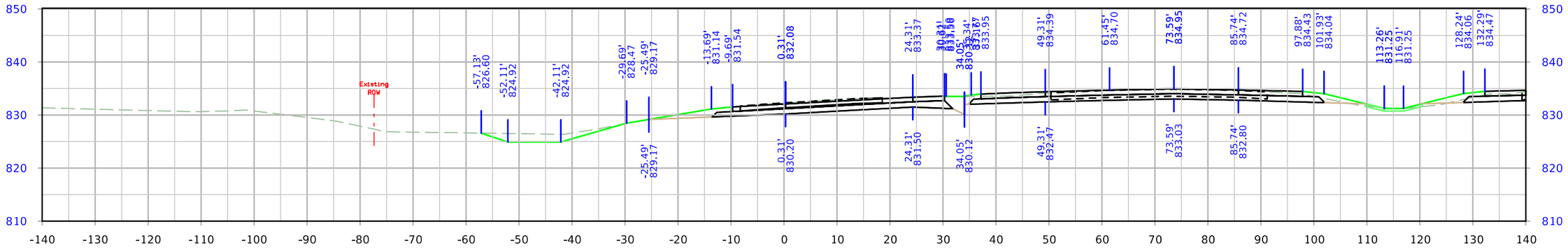
RPCWRT



STA. 3096+00.00



STA. 3095+50.00

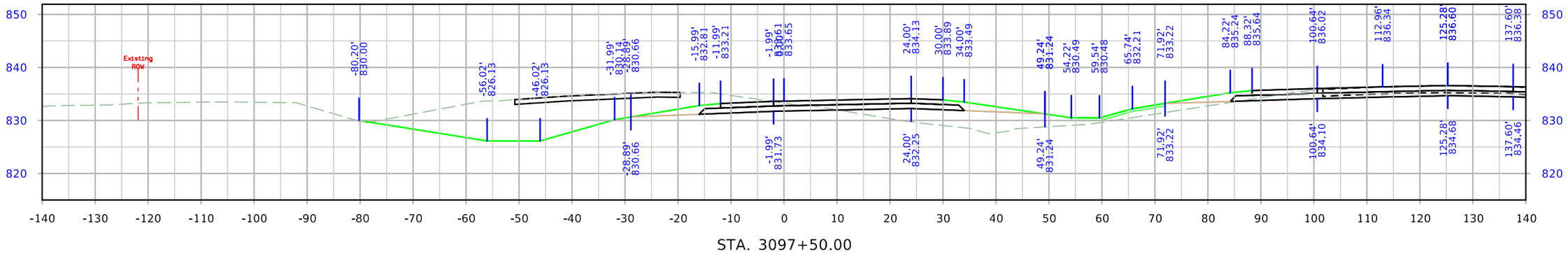


STA. 3095+08.34

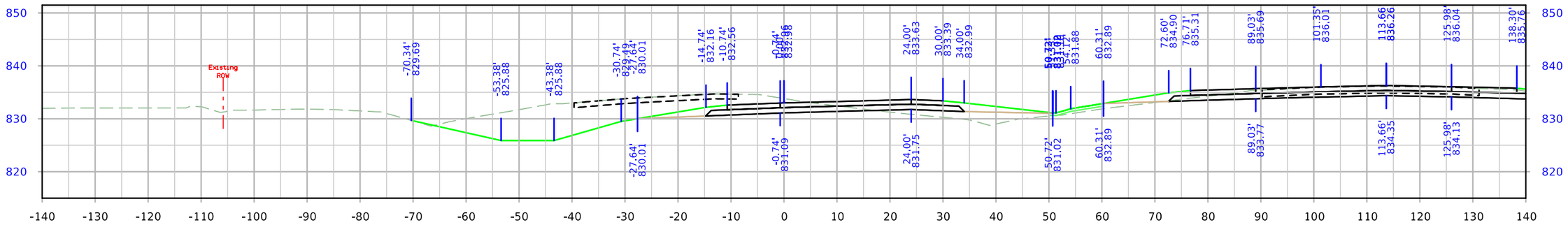
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.50

8:25:14 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y30.dgn

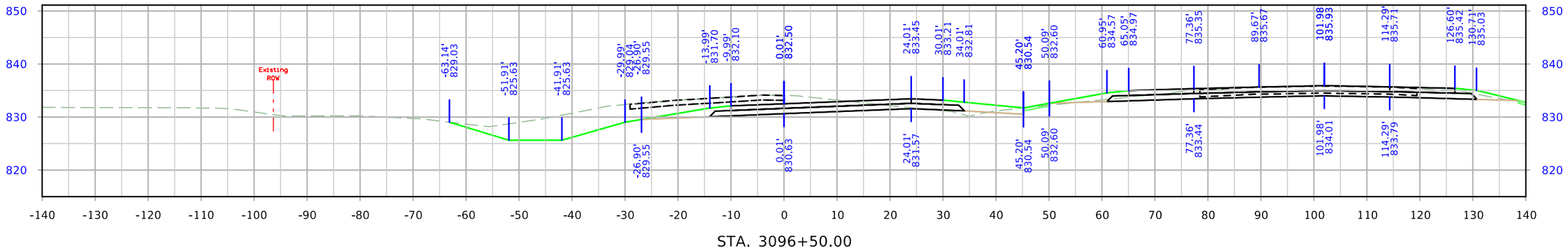
RPCWRT



STA. 3097+50.00



STA. 3097+00.00

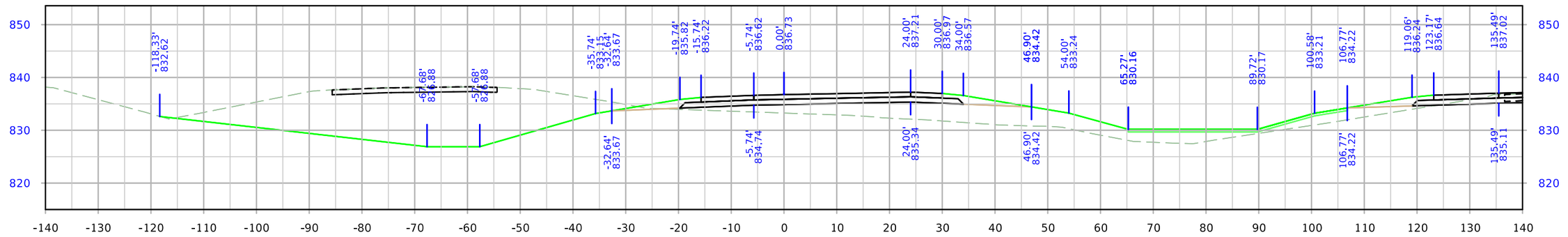


STA. 3096+50.00

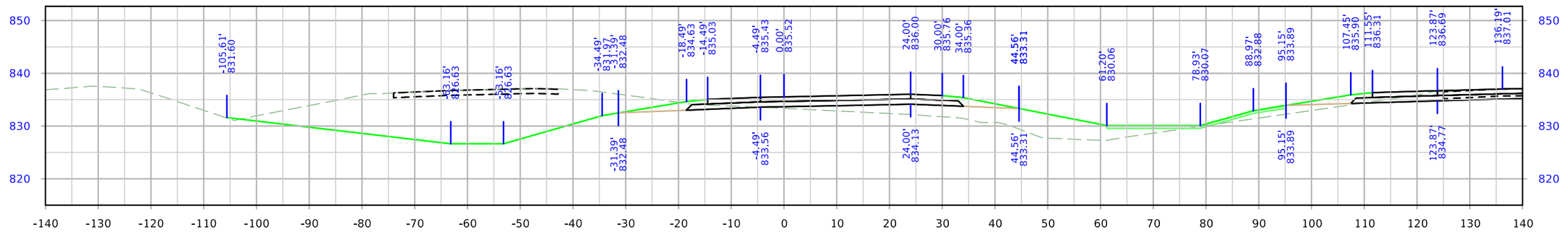
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.51

8:25:23 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y30.dgn

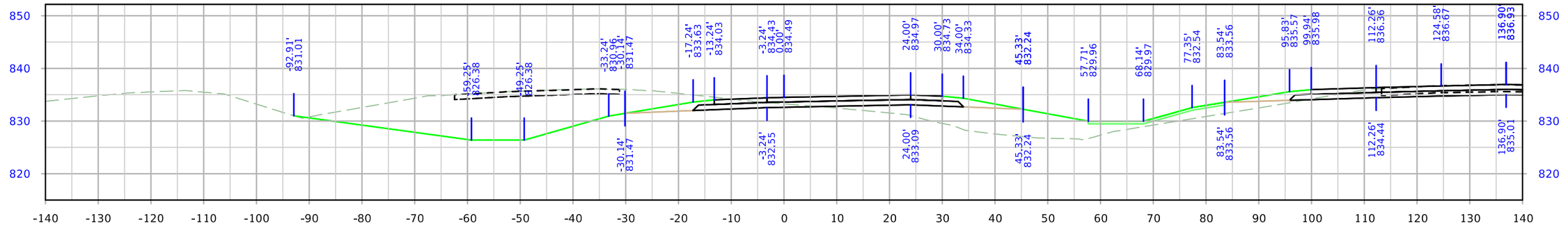
RPCWRT



STA. 3099+00.00



STA. 3098+50.00

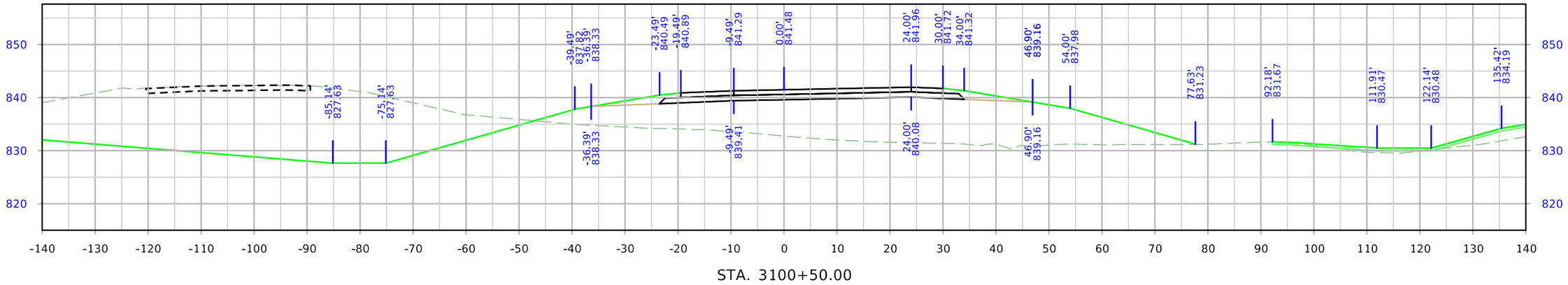


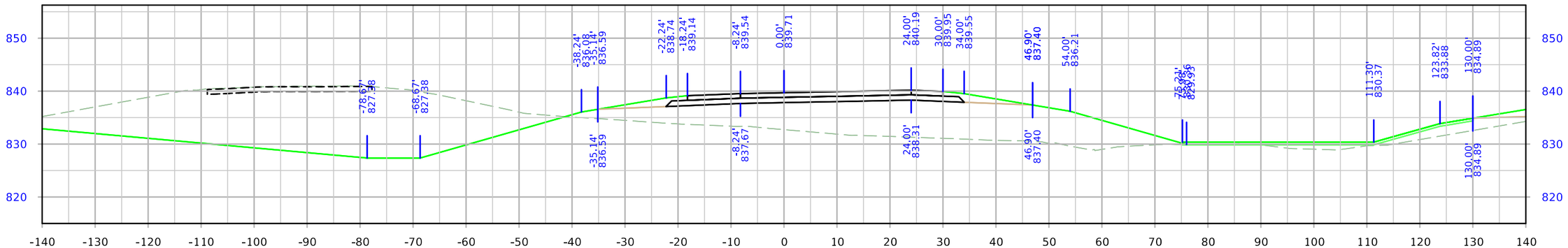
STA. 3098+00.00

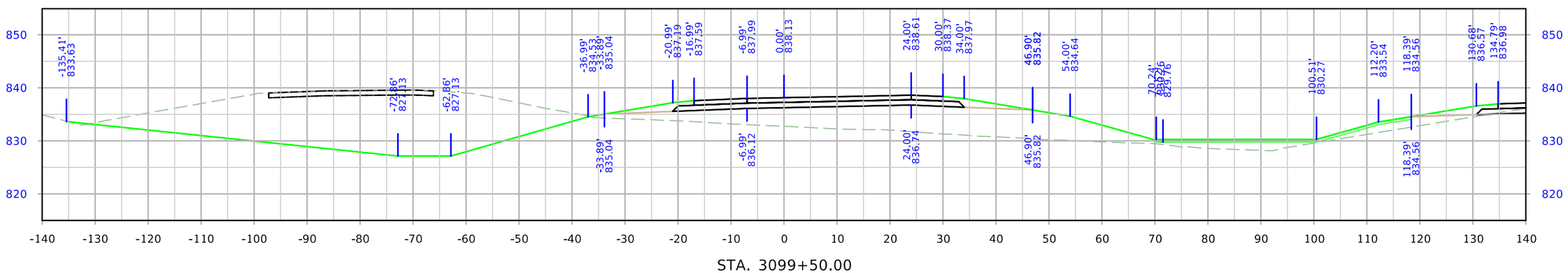
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.52

8:25:31 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y30.dgn

RPCWRT



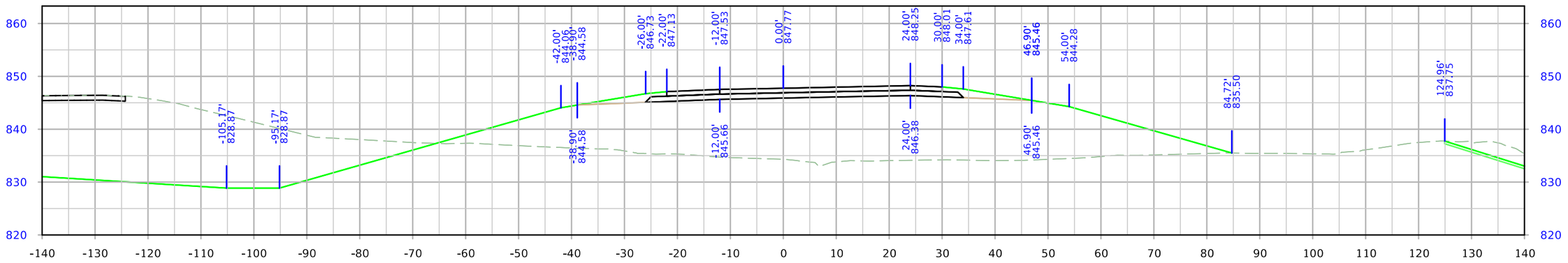




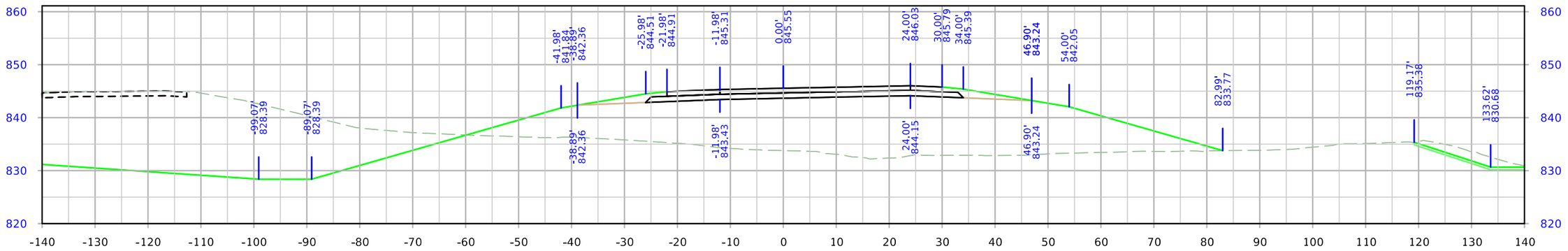
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.53

8:25:40 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y30.dgn

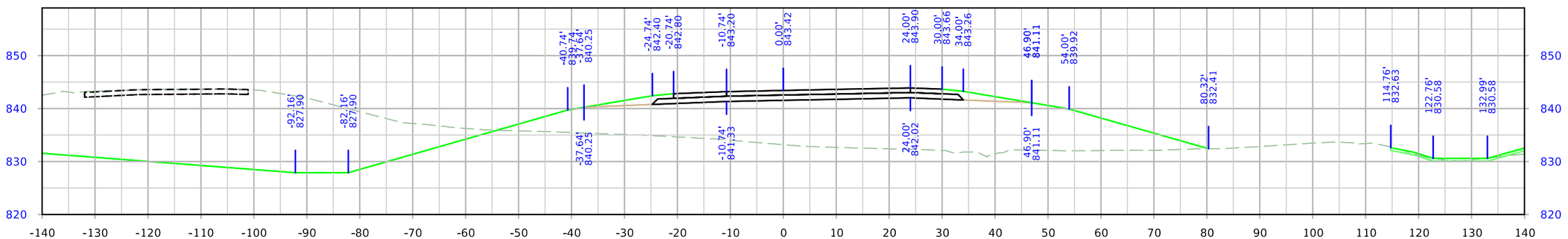
RPCWRT



STA. 3102+00.00



STA. 3101+50.00

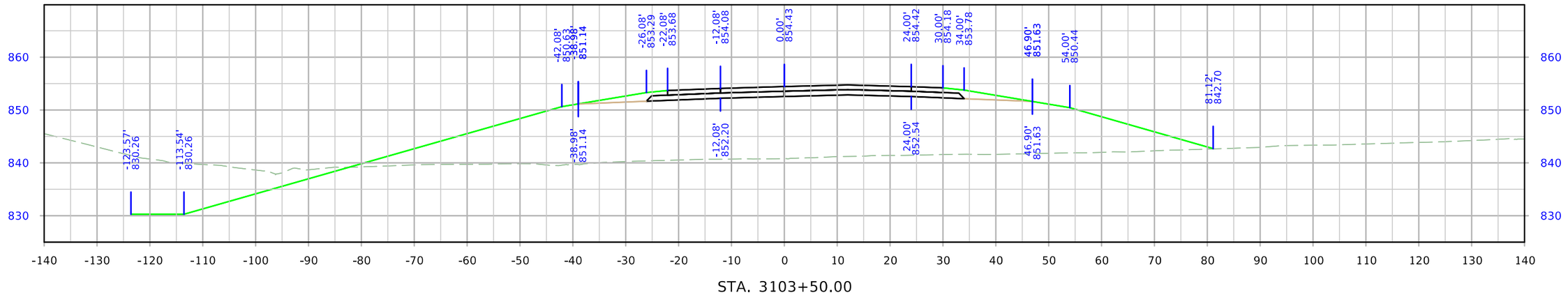


STA. 3101+00.00

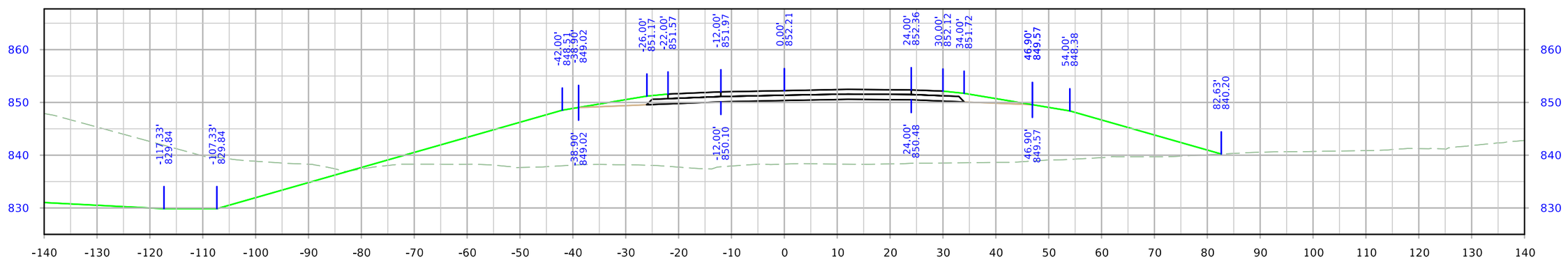
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.54

8:25:48 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y30.dgn

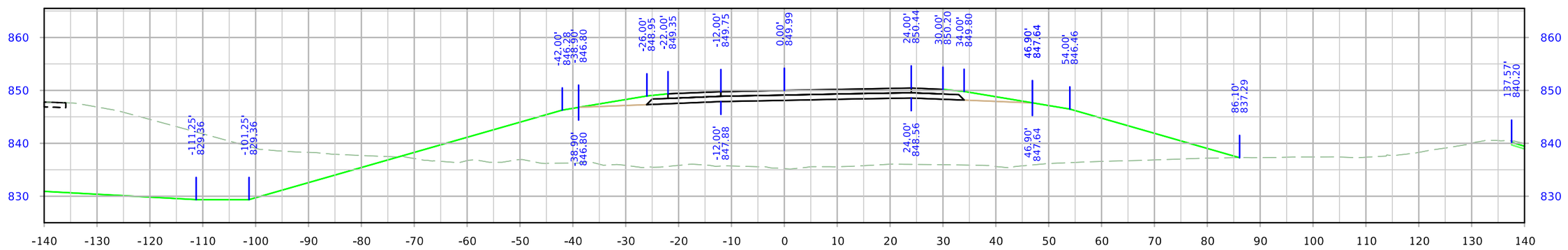
RPCWRT



STA. 3103+50.00



STA. 3103+00.00

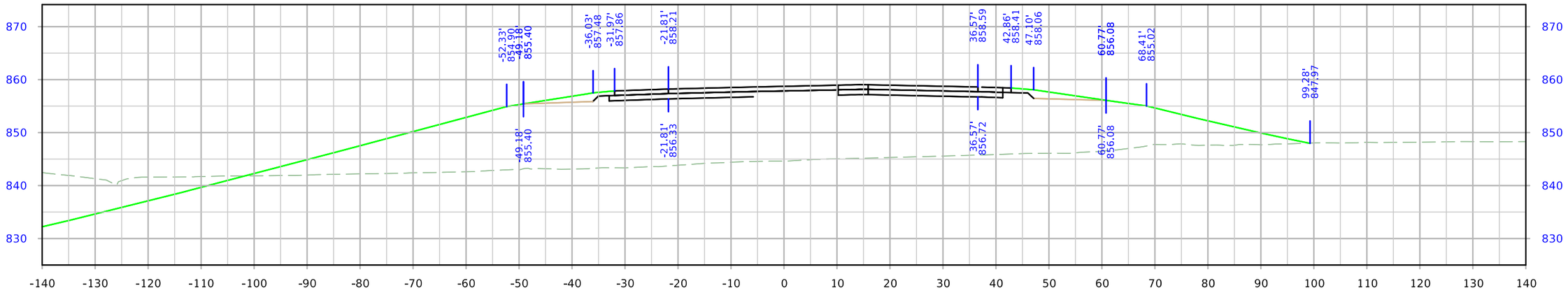


STA. 3102+50.00

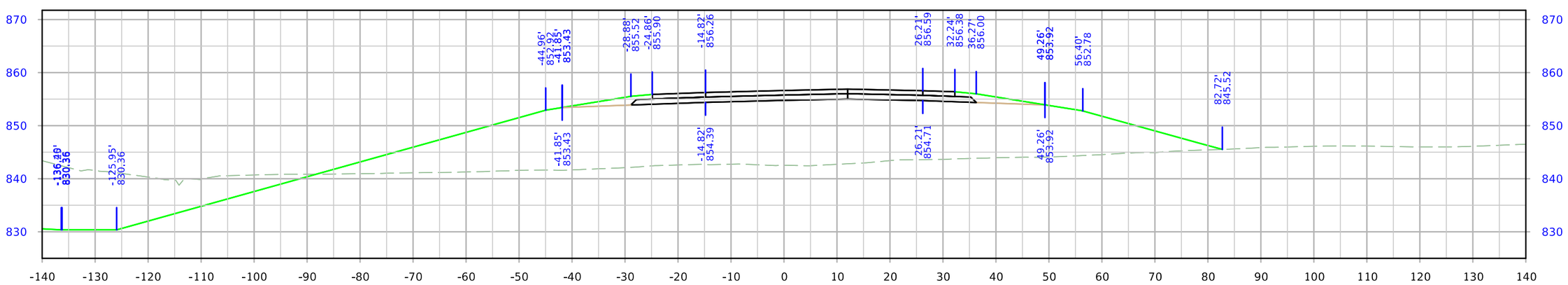
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.55

8:25:57 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y30.dgn

RPCWRT



STA. 3104+50.00

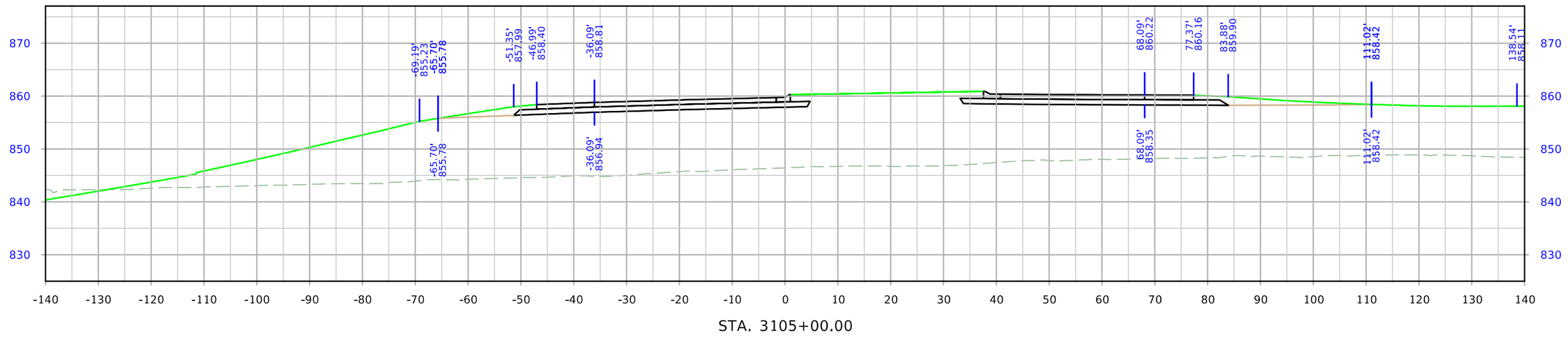


STA. 3104+00.00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.56

8:26:04 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y30.dgn

RPCWRT

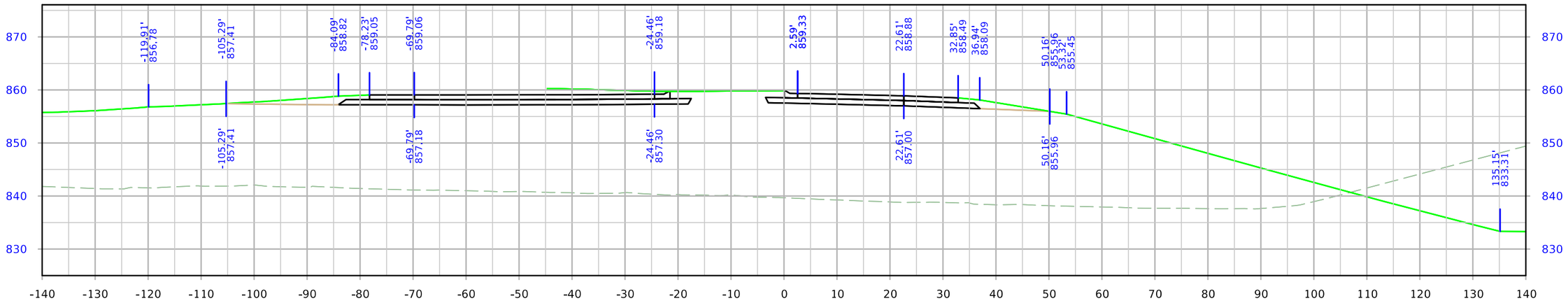


STA. 3105+00.00

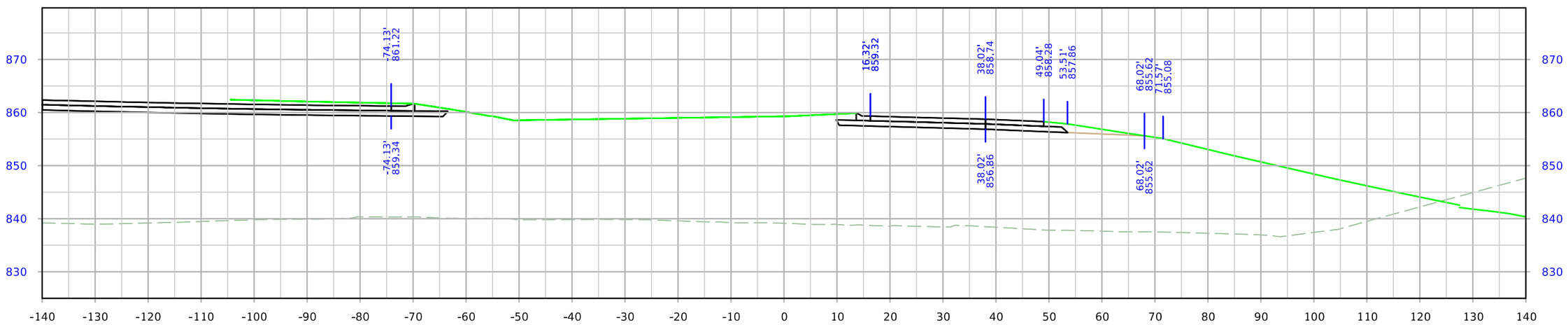
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.57

8:26:09 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y30.dgn

RPDWRT



STA. 4107+50.00

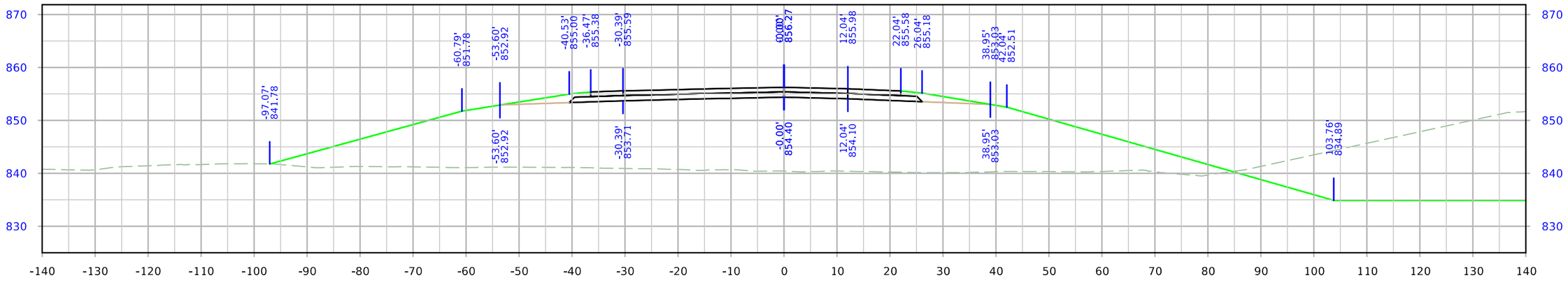


STA. 4107+00.00

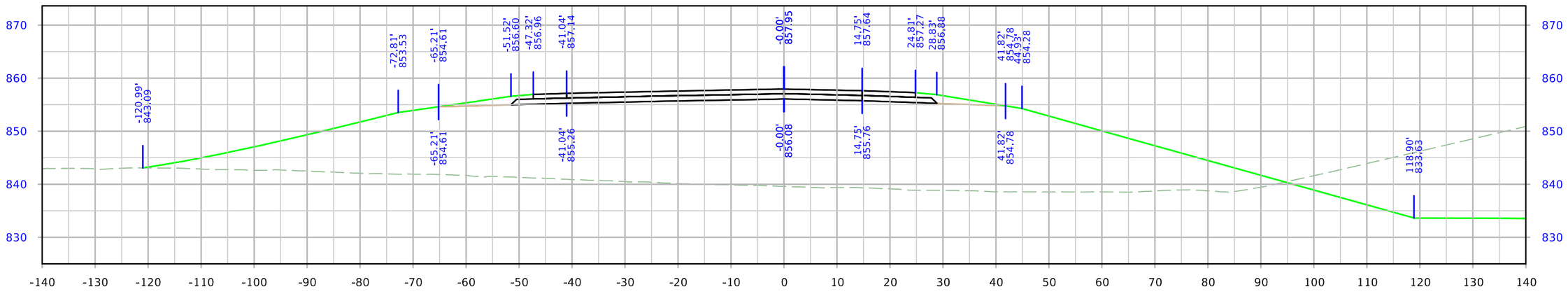
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.58

8:26:15 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y30.dgn

RPDWRT



STA. 4108+50.00

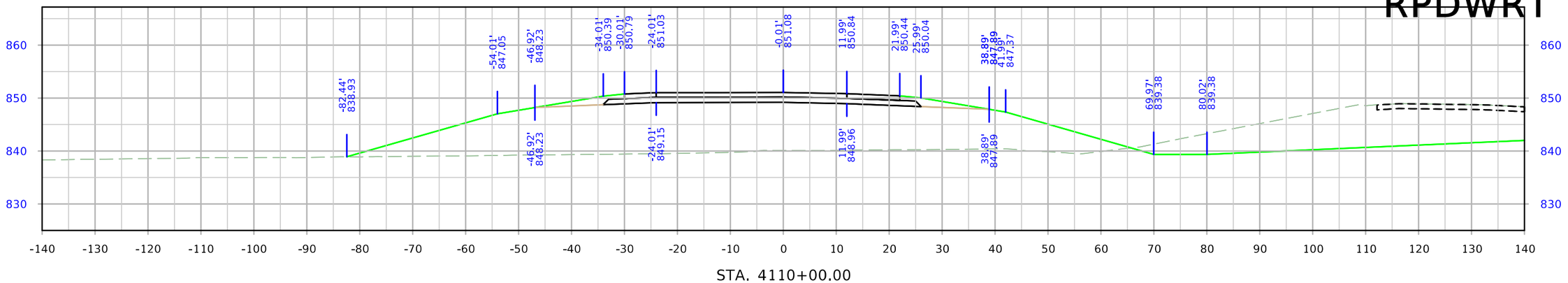


STA. 4108+00.00

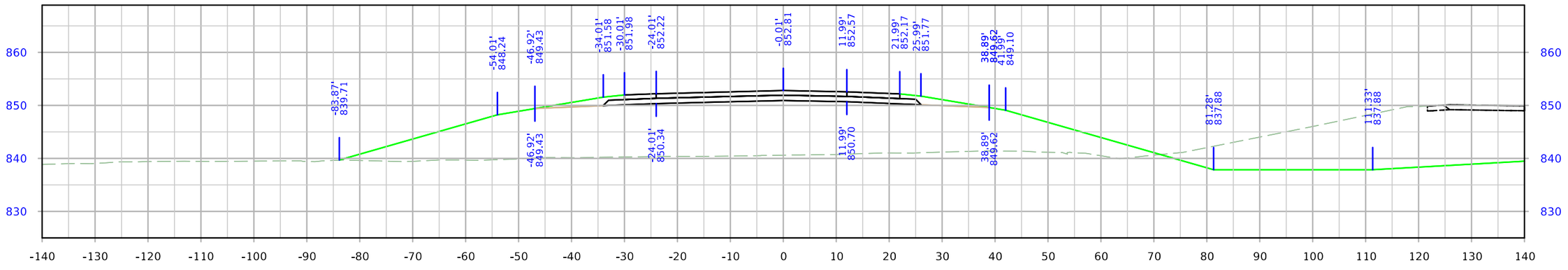
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.59

8:26:21 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y30.dgn

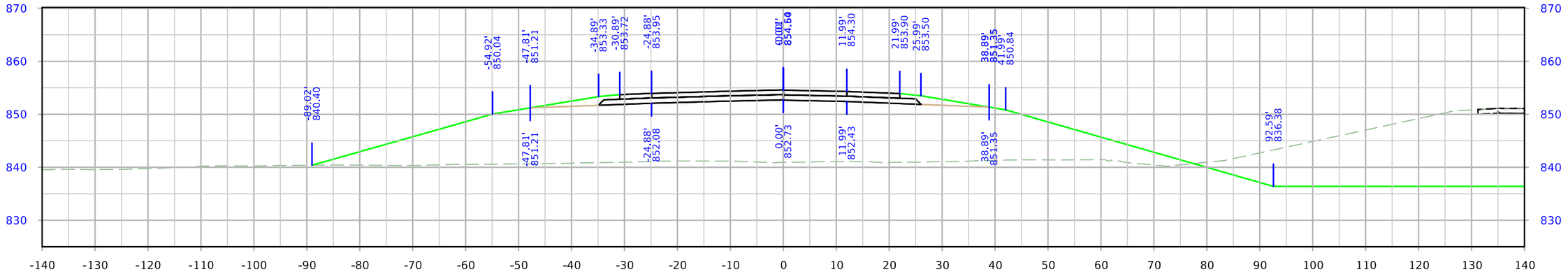
RPDWRT



STA. 4110+00.00



STA. 4109+50.00

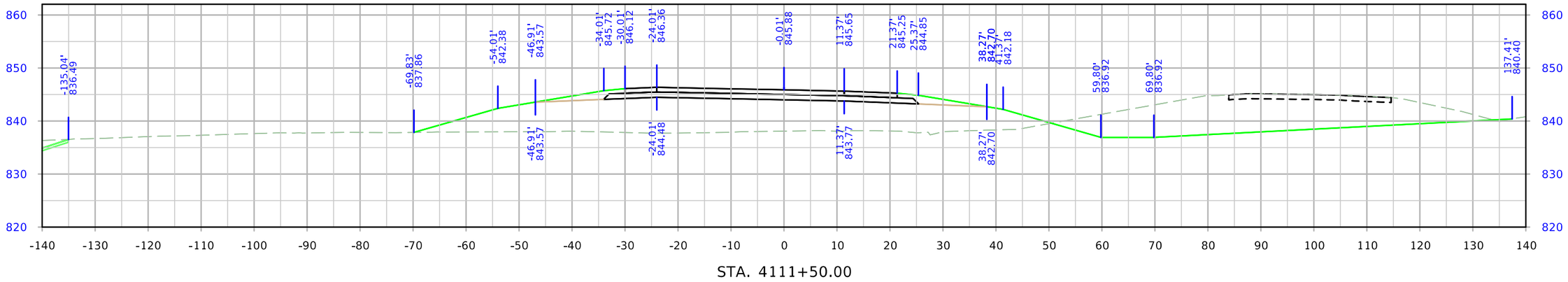


STA. 4109+00.00

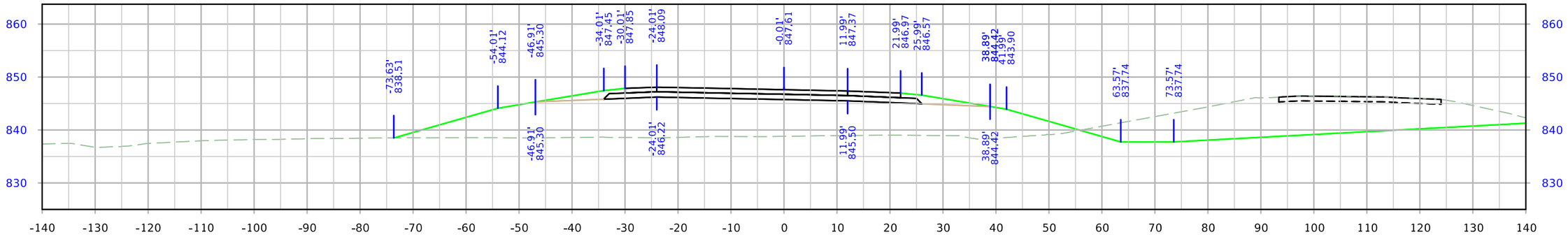
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.60

8:26:29 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y30.dgn

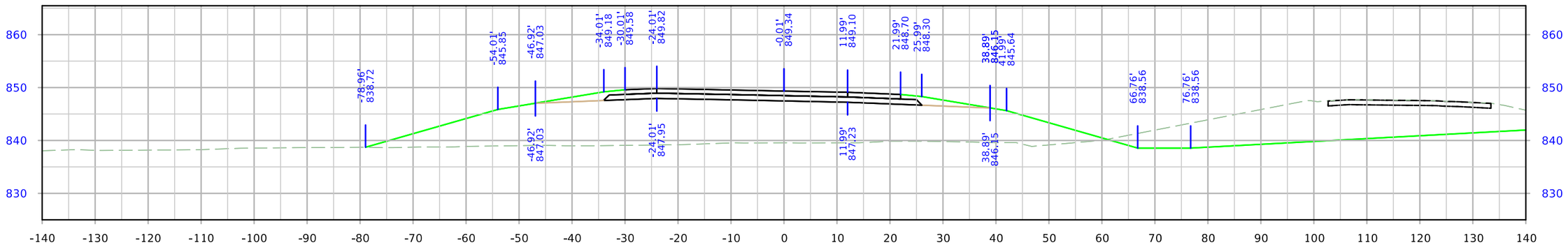
RPDWRT



STA. 4111+50.00



STA. 4111+00.00

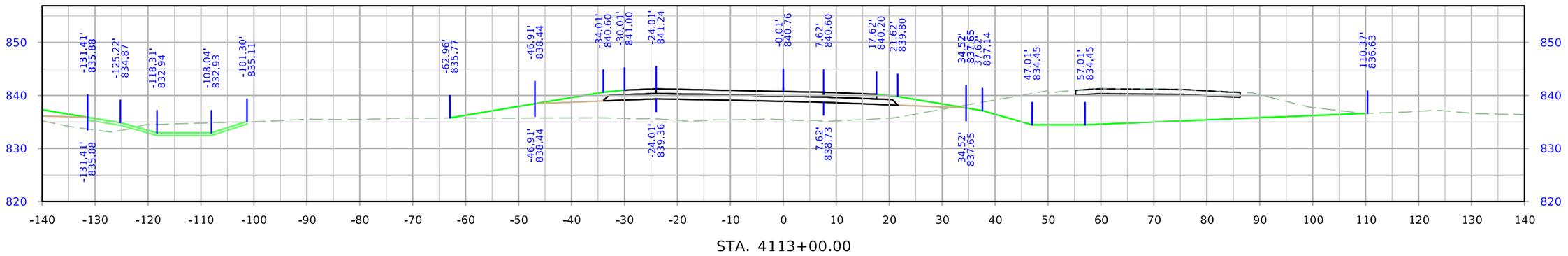


STA. 4110+50.00

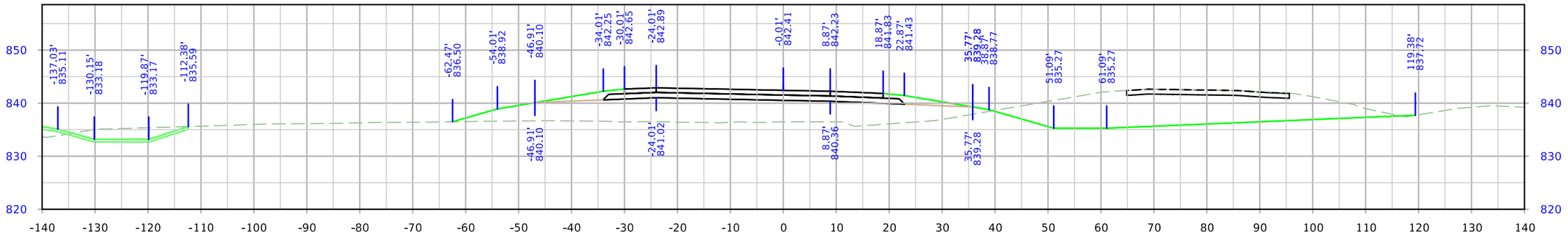
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER Y.61

8:26:37 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y30.dgn

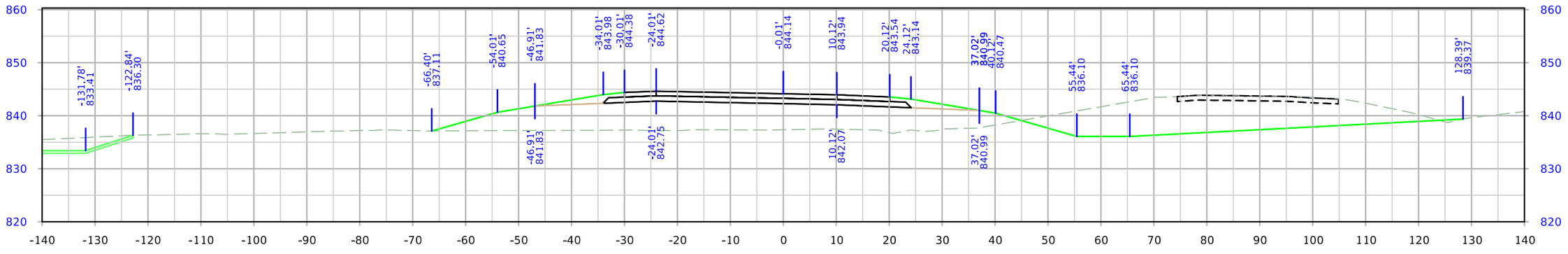
RPDWRT



STA. 4113+00.00



STA. 4112+50.00

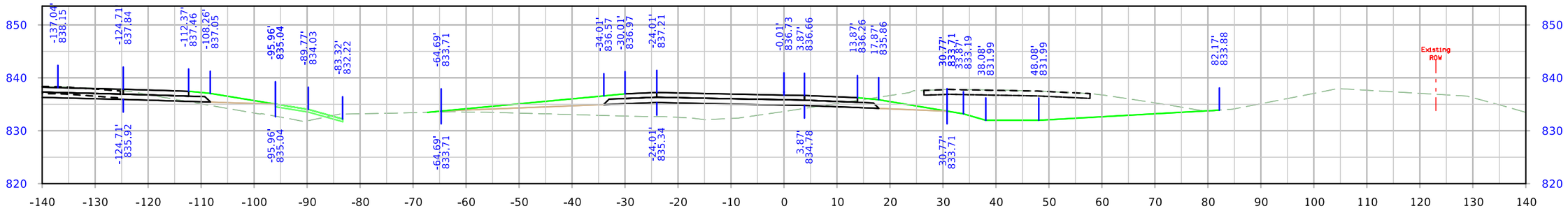


STA. 4112+00.00

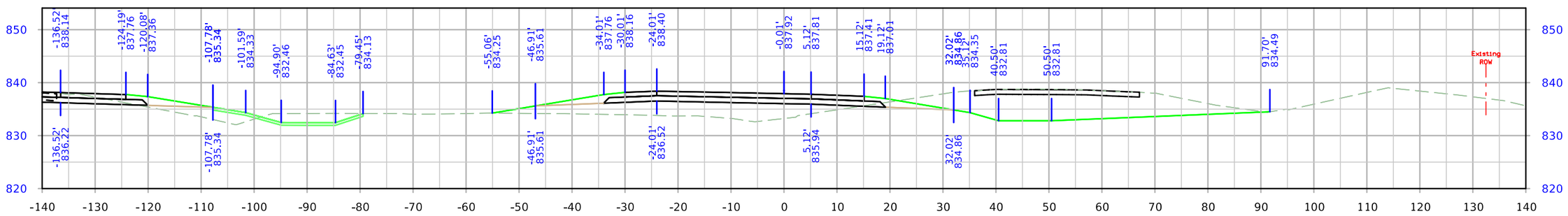
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.62

8:26:46 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y30.dgn

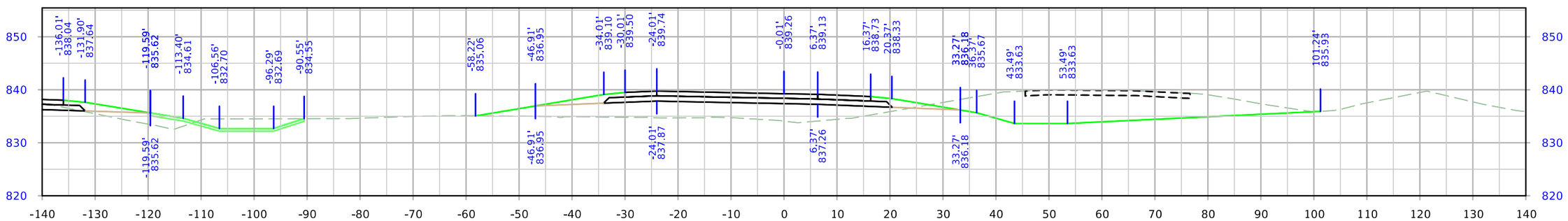
RPDWRT



STA. 4114+50.00



STA. 4114+00.00

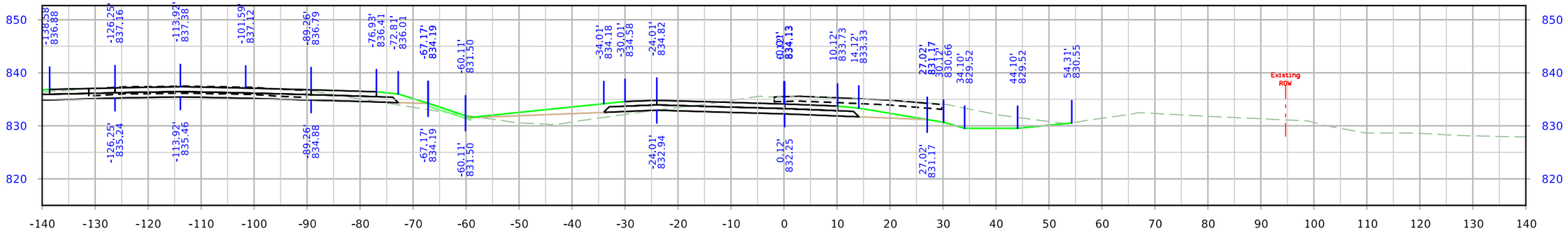


STA. 4113+50.00

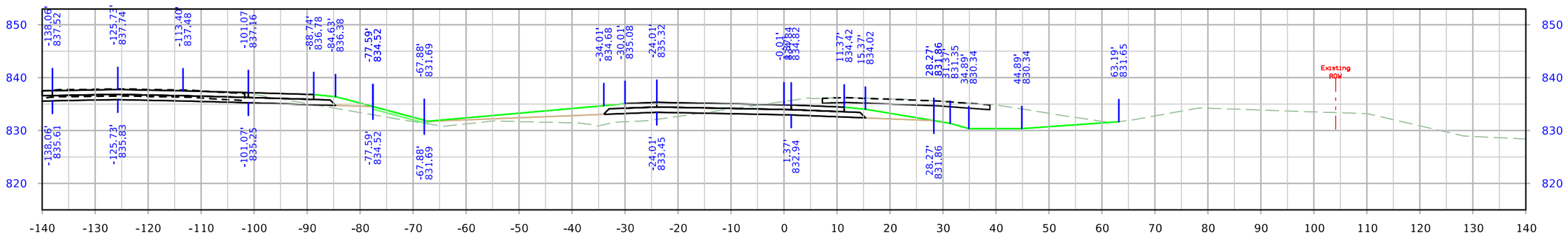
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.63

8:26:54 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y30.dgn

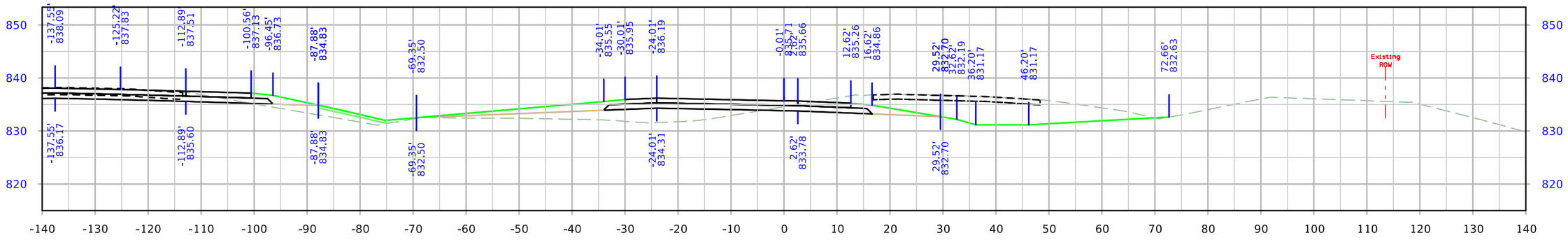
RPDWRT



STA. 4116+00.00



STA. 4115+50.00

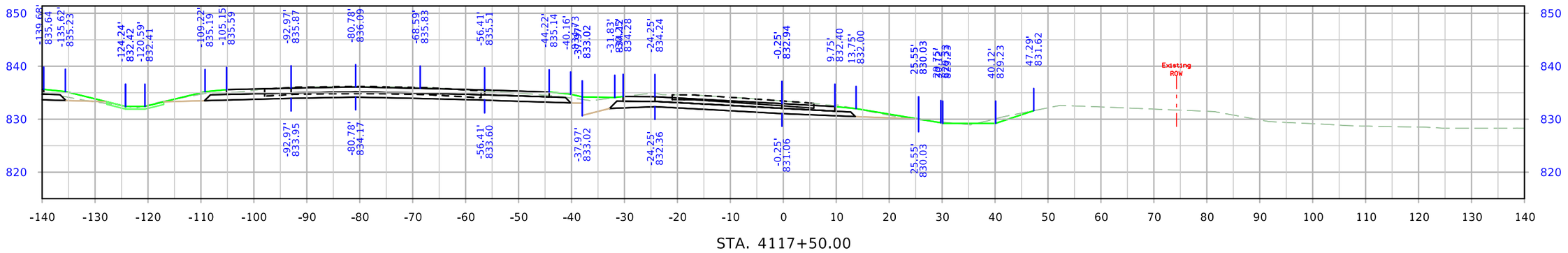


STA. 4115+00.00

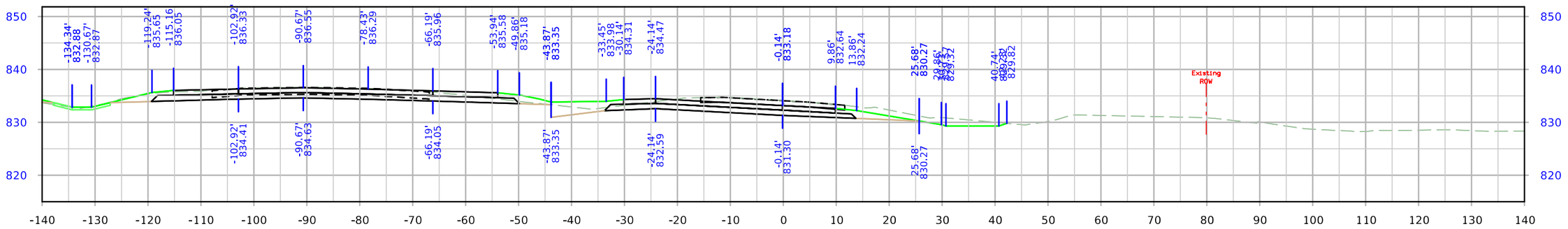
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.64

8:27:03 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y30.dgn

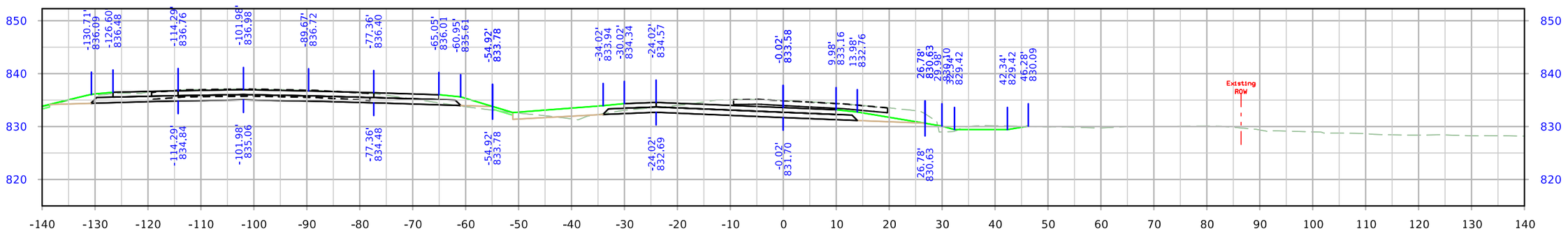
RPDWRT



STA. 4117+50.00



STA. 4117+00.00

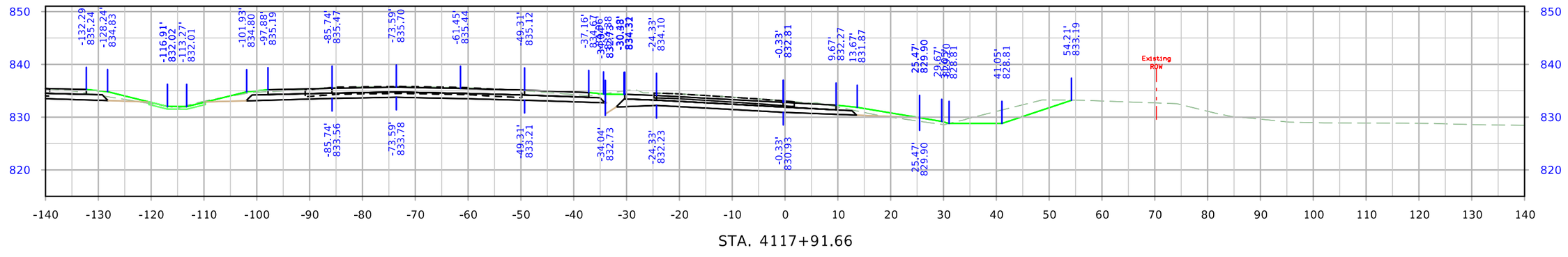


STA. 4116+50.00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.65

8:27:11 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y30.dgn

RPDWRT

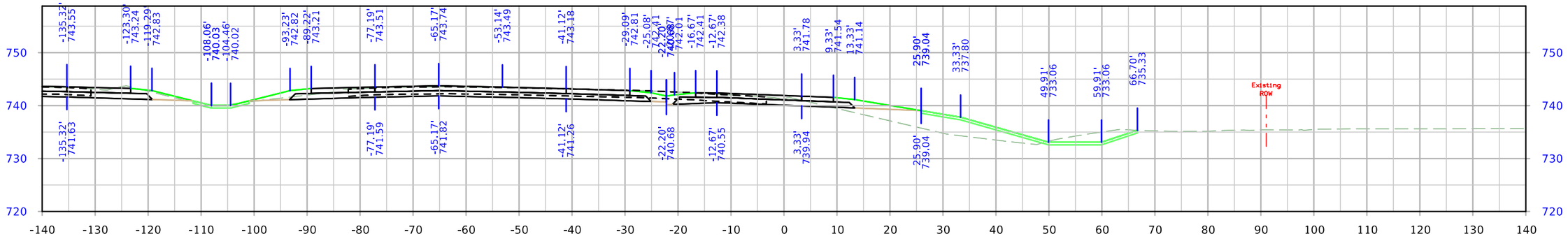


STA. 4117+91.66

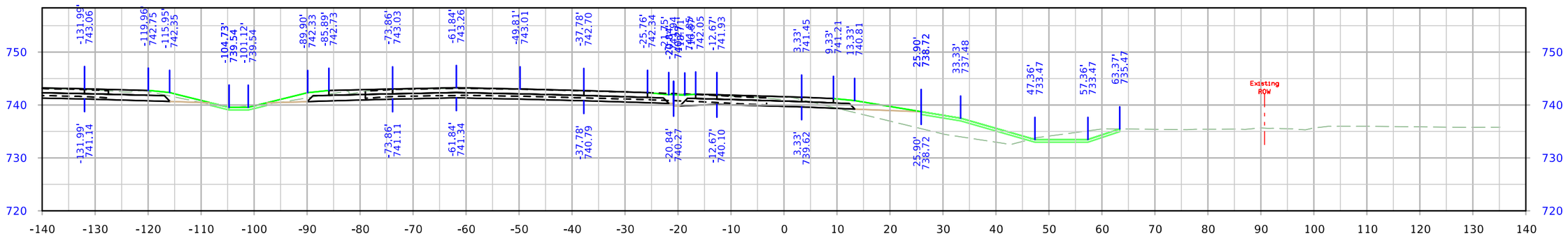
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER Y.66

8:27:17 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y30.dgn

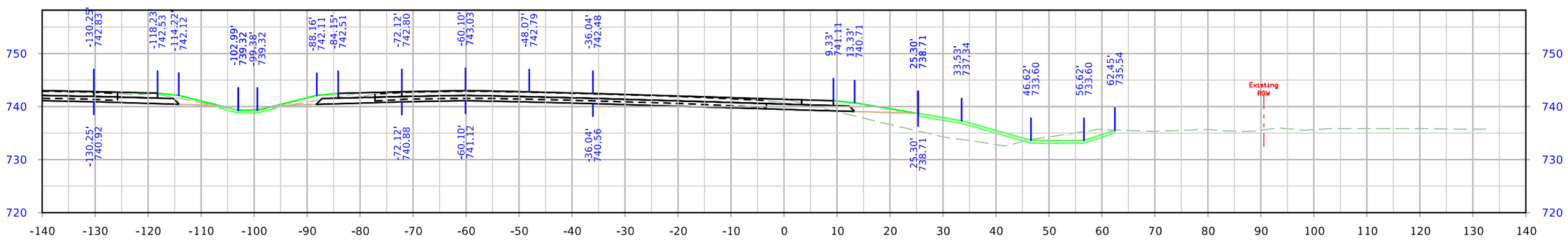
RPBUS30



STA. 2226+25.00



STA. 2225+75.00

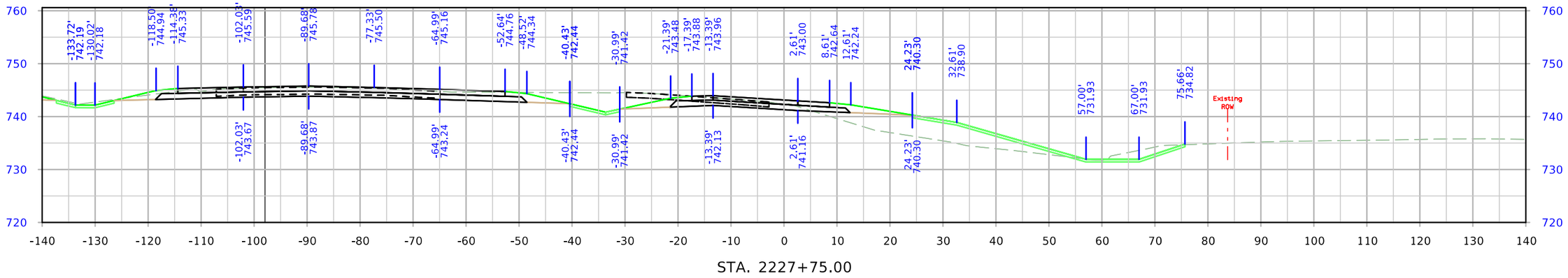


STA. 2225+48.94

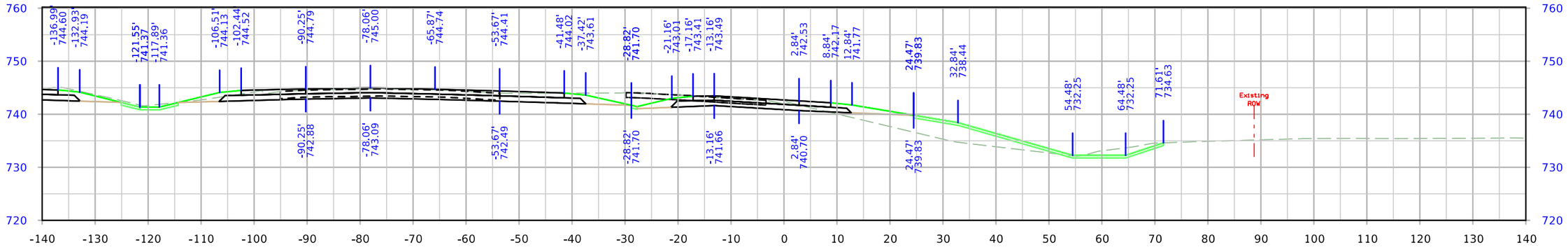
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER Y.67

8:27:40 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y67.dgn

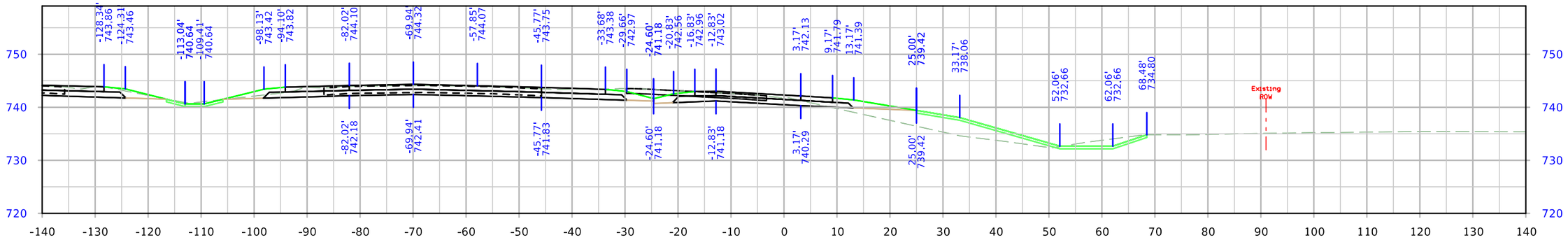
RPBUS30



STA. 2227+75.00



STA. 2227+25.00

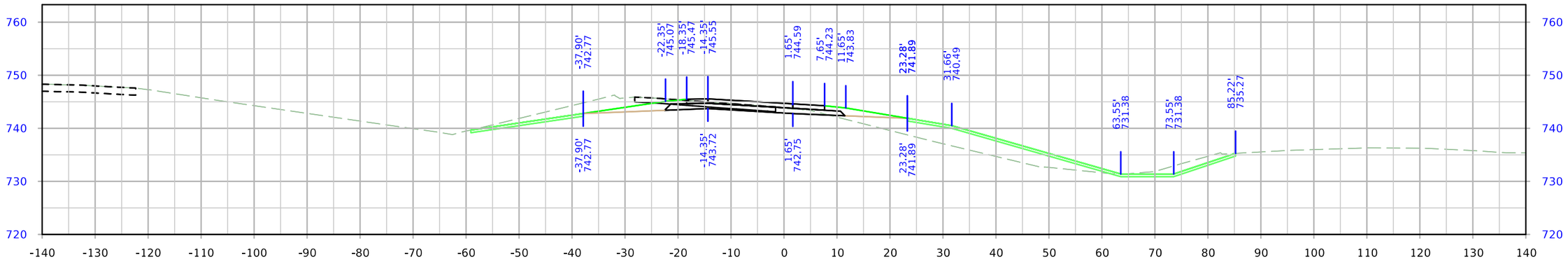


STA. 2226+75.00

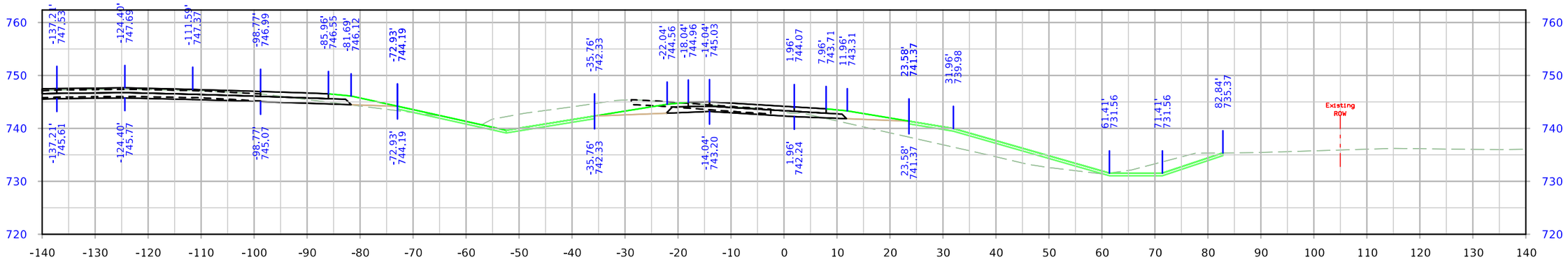
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)12--13-52	SHEET NUMBER Y.68

8:27:46 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y67.dgn

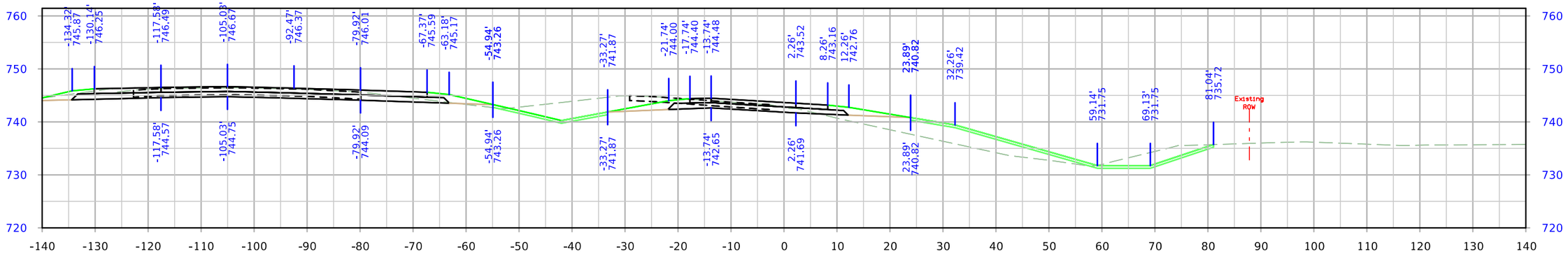
RPBUS30



STA. 2229+25.00



STA. 2228+75.00

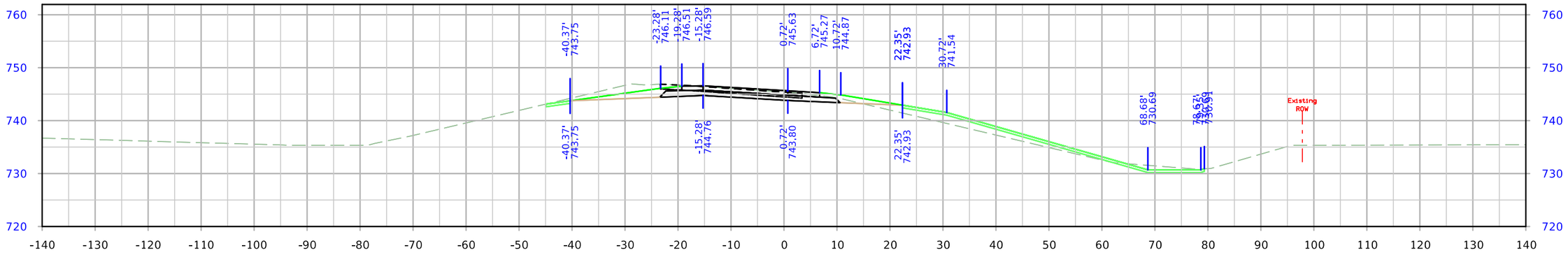


STA. 2228+25.00

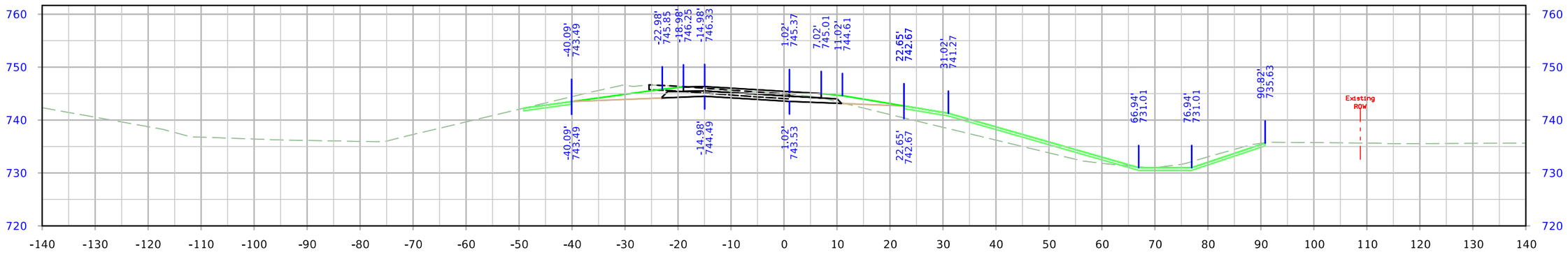
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER Y.69

8:27:53 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y67.dgn

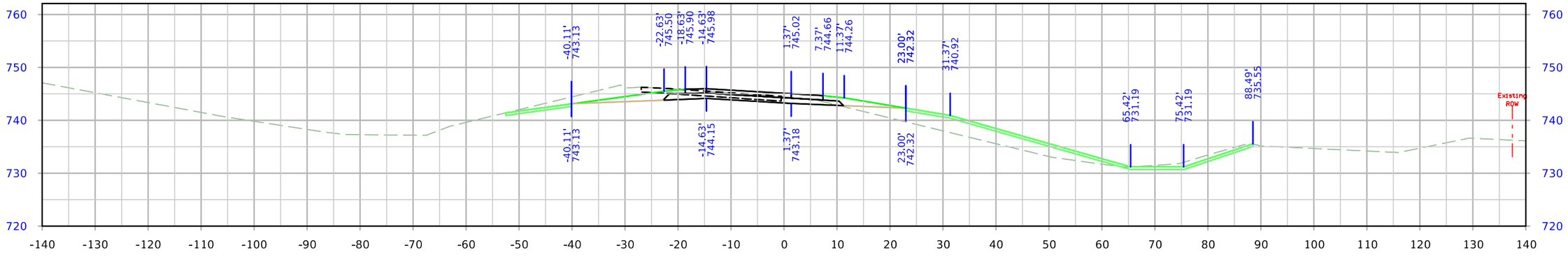
RPBUS30



STA. 2230+75.00



STA. 2230+25.00

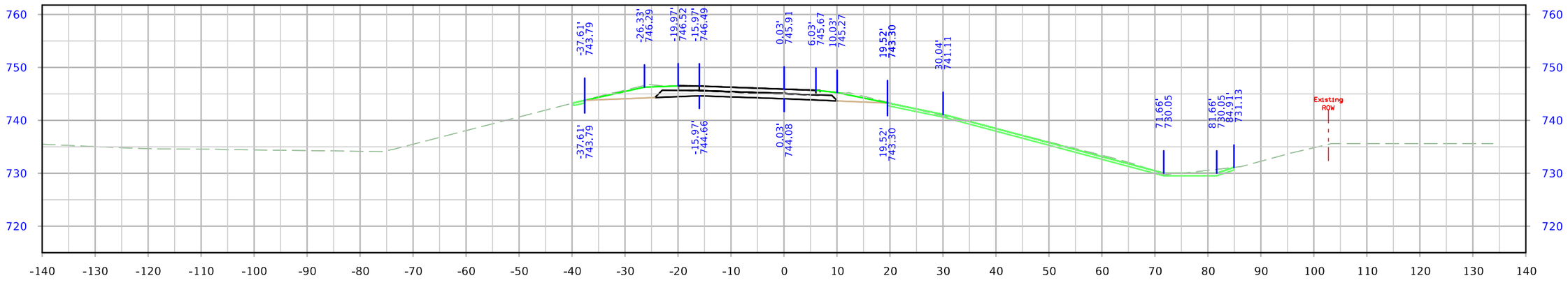


STA. 2229+75.00

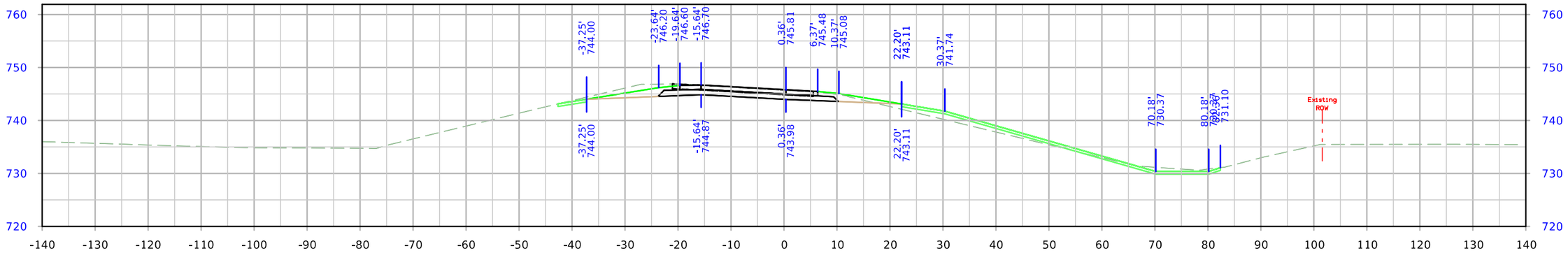
FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER Y.70

8:27:59 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y67.dgn

RPBUS30



STA. 2231+75.00



STA. 2231+25.00

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER Y.71

8:28:04 AM 10/16/2023 kschroc pw:\\NTPwint1.dot.int.lan:PWMain\Documents\Projects\5238003016\Design_Section3\CADD_Files\Sheet_Files\SHT_52380434_Y67.dgn

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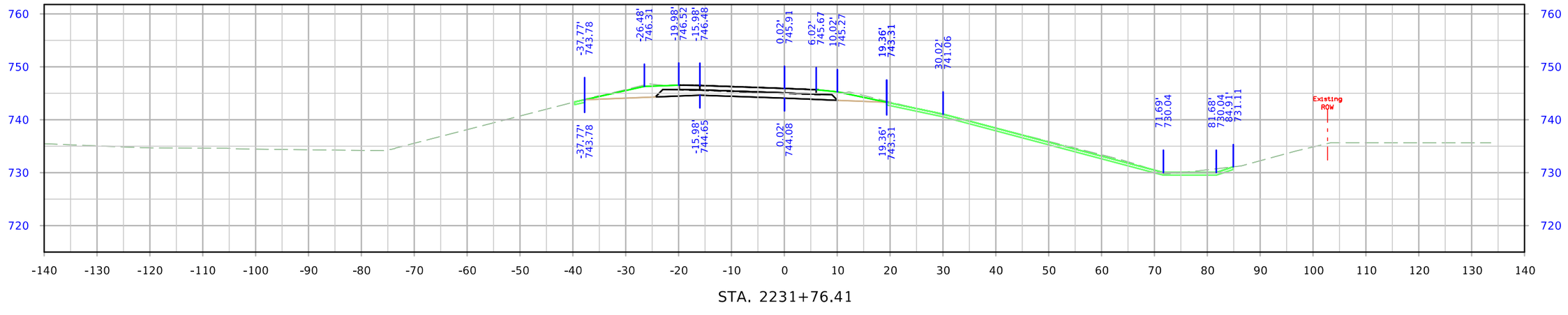

STA. 2231+76.41

FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER Y.72

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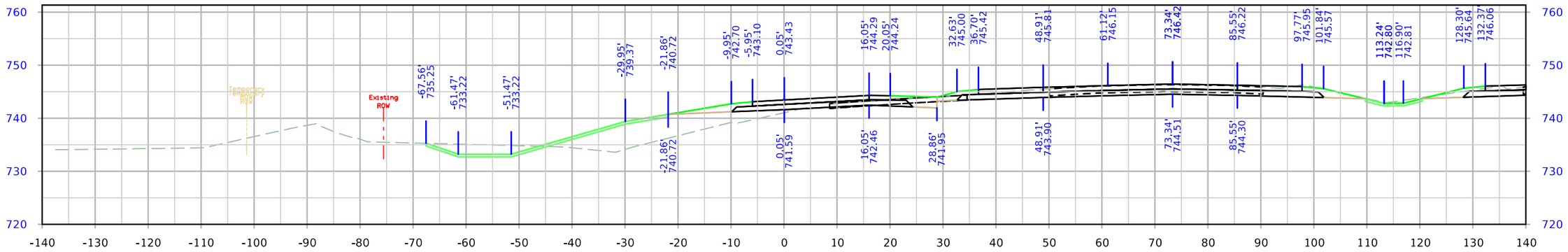

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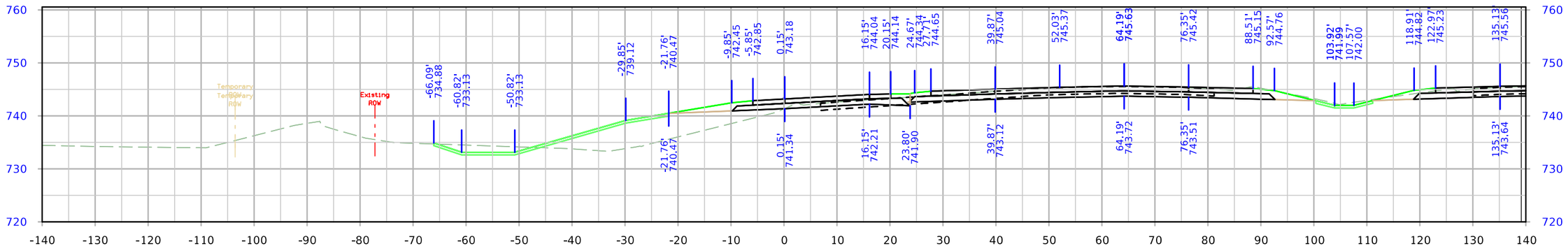

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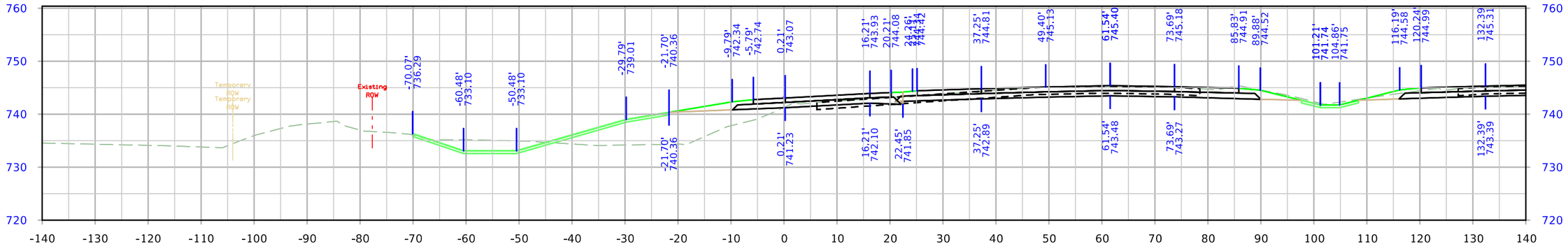

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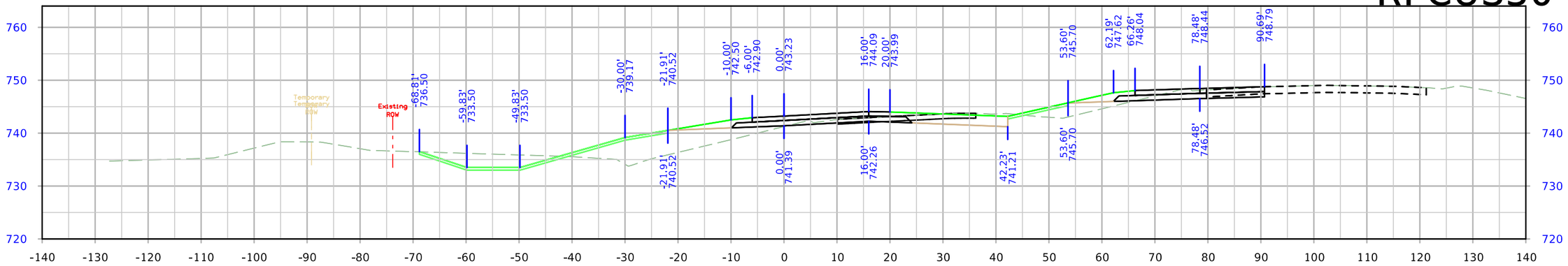

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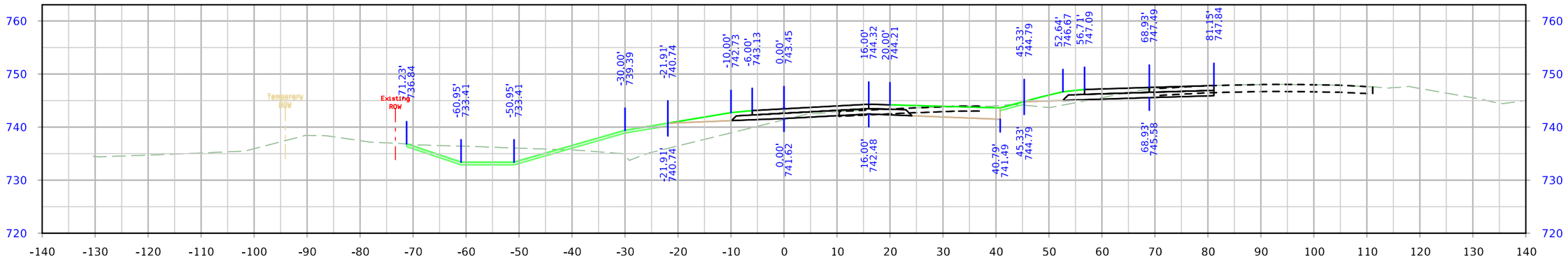

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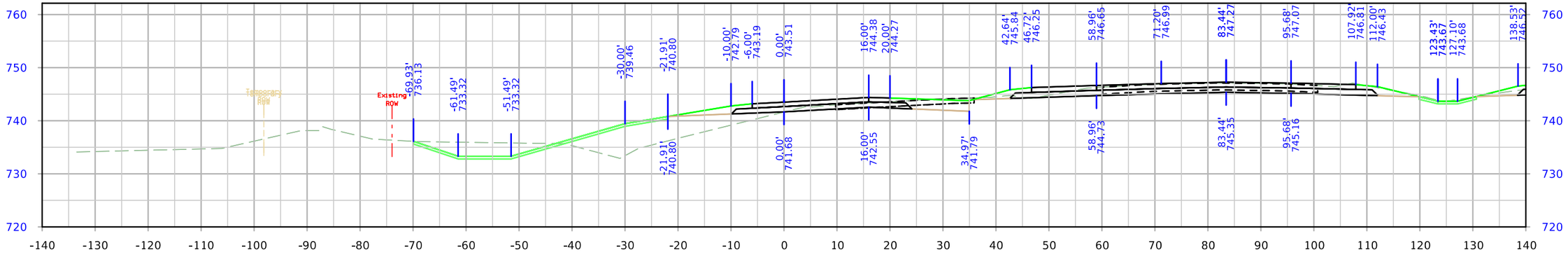

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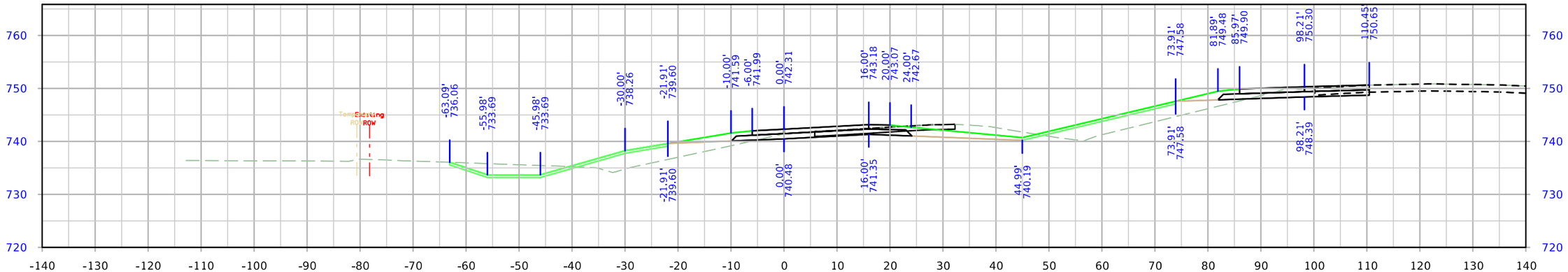

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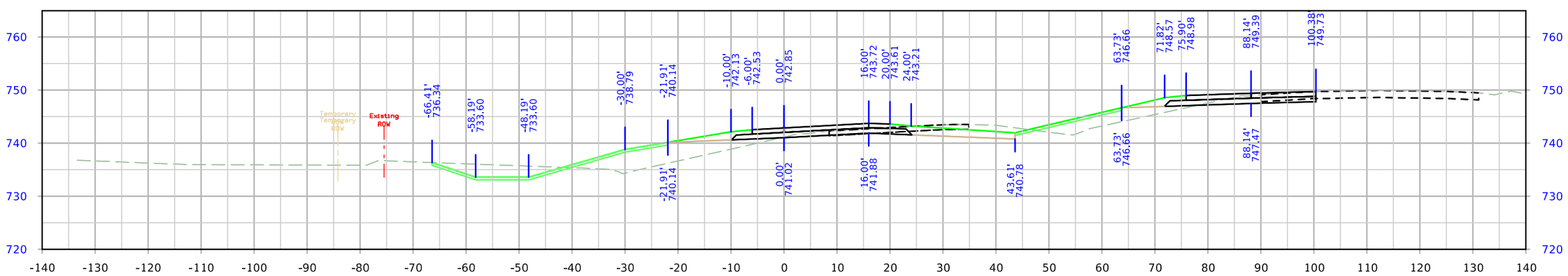

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FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER Y.75

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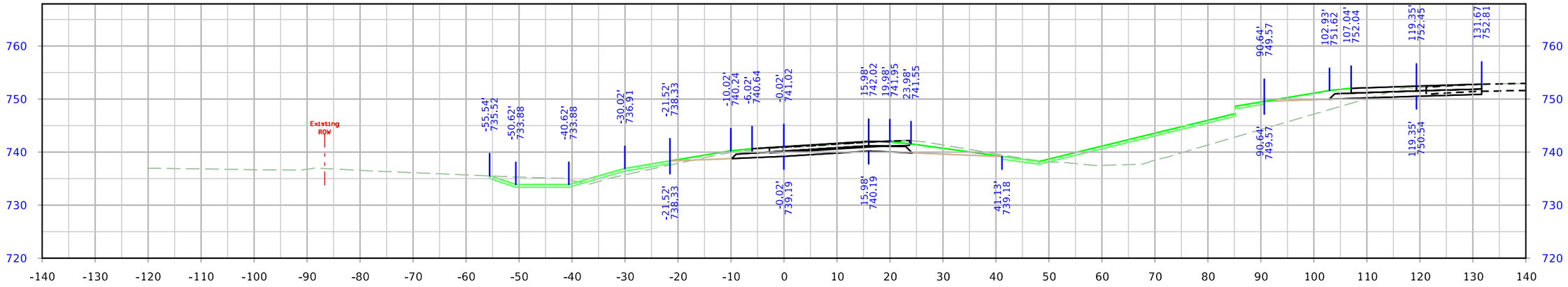

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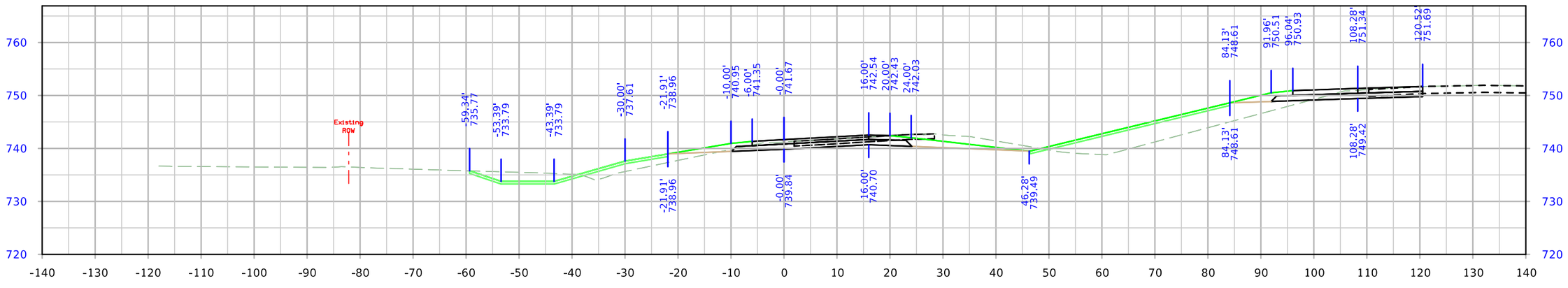

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FILE NO.	ENGLISH	DESIGN TEAM Holst \ Schrock \ Dudley	Johnson \ Linn COUNTY	PROJECT NUMBER IM-380-6(434)11--13-52	SHEET NUMBER Y.76

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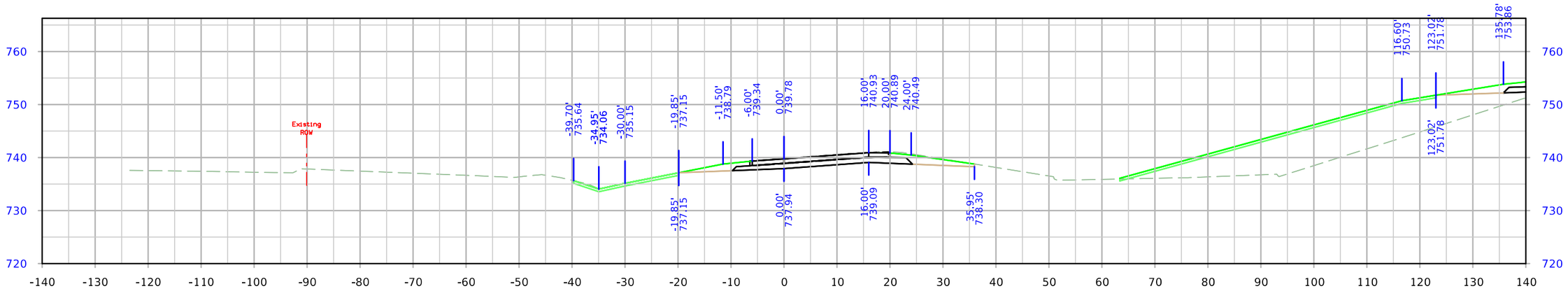

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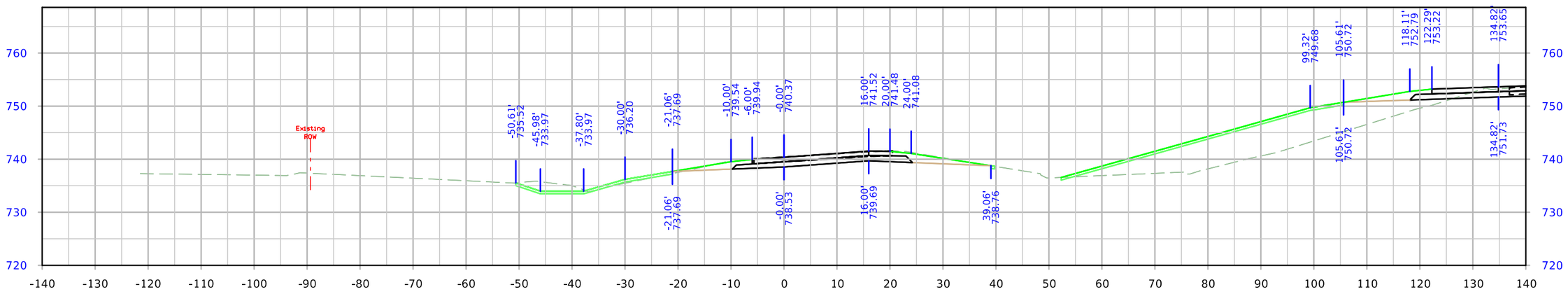

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LETTING DATE
JULY 16, 2024

PAVEMENT - WIDEN & REPLACE
3018027-03

CITY OF CEDAR RAPIDS

SHEET TOTAL 75 PAGES

CITY OF CEDAR RAPIDS, IOWA

CONSTRUCTION PLANS FOR

WRIGHT BROTHERS BLVD SW
6TH STREET TO EARHART LN

3018027-03
PAVEMENT - WIDEN & REPLACE

GOVERNING SPECIFICATIONS

MUTCD 2009 AS ADOPTED BY IOWA DEPARTMENT OF TRANSPORTATION.

ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND ORDINANCES WILL BE COMPLIED WITHIN THE CONSTRUCTION OF THIS PROJECT.

NOTE: EXISTING UTILITY INFORMATION SHOWN ON THIS PLAN HAS BEEN PROVIDED BY THE UTILITY OWNER. THE CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS PRIOR TO COMMENCING CONSTRUCTION AS REQUIRED BY STATE LAW. NOTIFY IOWA ONE CALL 1-800-292-8989 OR 811

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D UNLESS OTHERWISE NOTED. THIS UTILITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-22, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."

RESOURCE LIST

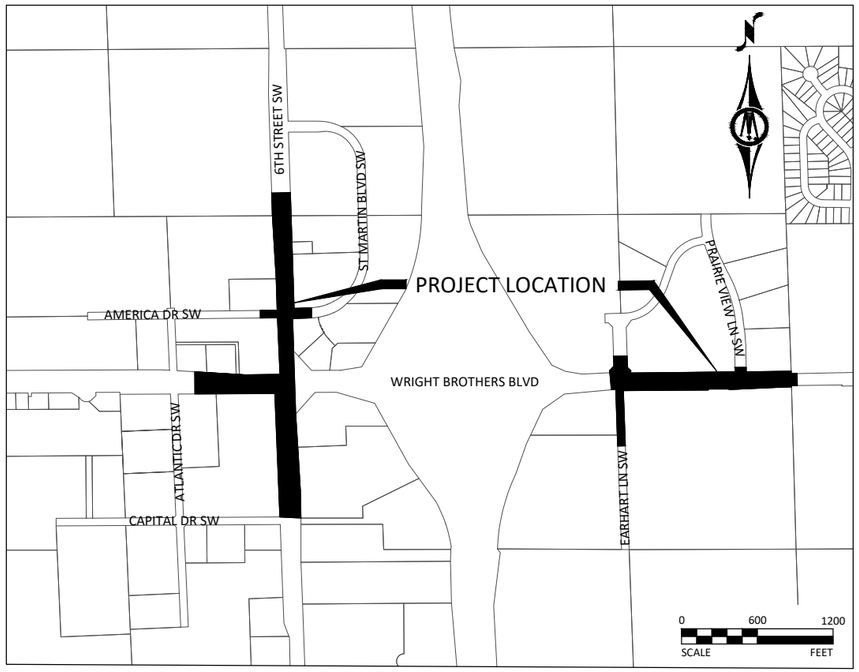
CITY OF CEDAR RAPIDS, IA

Mayor: Tiffany D. O'Donnell

City Council Members:
Marty Hoeger
Ann Poe
Dale Todd
Tyler Olson
Scott Olson
Ashley Vanorny
Scott Overland
Patrick Loeffler

City of Cedar Rapids
City Arborist: (319) 286-5616
Fire: Business (319) 286-5200, Emergency 911
Police: Business (319) 286-5491, Emergency 911
Public Works: (319) 286-5802
Sanitary & Storm Sewer: (319) 286-5826
Transit: (319) 286-5573
Water: (319) 286-5900
Iowa One Call: 811

Utilities
Alliant: (319) 786-1921 or (319) 786-2036
AT&T: (319) 364-6111 (this is an unmanned number, but a message can be left on a machine)
Aureon: (319) 981-0218 or (515) 830-0445 or (515) 830-0497
Linn County REC: (319) 377-5754 or (319) 377-1587 x203
Lumen (CenturyLink): (319) 290-9399 or (563) 355-2592 or (563) 321-3860
Mediacom: (319) 395-9699 x3462
MidAmerican Energy: (319) 298-5162
Southslope: (319) 626-2211
Verizon: (515) 201-5382 or (319) 573-6475
Windstream: (319) 790-7678



SHEET NUMBER	SHEET TITLE
A.01 - A.02	TITLE SHEET, LEGEND
A.03	PROJECT OVERVIEW
A.04 - A.05	PLAN & PROFILE LAYOUT
B.01 - B.12	TYPICAL SECTIONS & DETAILS
C.01	ESTIMATED PROJECT QUANTITIES
D.01 - D.10	PLAN & PROFILE - ROADWAY
G.01 - G.11	REFERENCES & BENCHMARKS
H.01 - H.05	EASEMENTS & RIGHT-OF-WAY
M.01 - M.12	PLAN & PROFILE - STORM SEWER
P.01 - P.06	PAVEMENT MARKINGS PLAN
Q.01 - Q.13	REMOVALS PLAN

THIS PLAN SET CONTAINS **75** SHEETS.

MILEAGE SUMMARY

DIV.	LOCATION	LINEAR FEET	MILES
	WRIGHT BROTHERS BLVD	2020	0.38
	6TH STREET SW	2390	0.45
	EARHART LANE SW	670	0.13
	TOTAL:	**5080**	**0.96**

PLAN REVISIONS

DATE	SHEET NUMBER	APPROVED BY

IOWA ONE CALL
1-800-292-8989 | 811
www.iowaonecall.com

MAP OF THE
CITY OF CEDAR RAPIDS
LINN COUNTY, IA

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.

Jon L. Resler
LICENSE NUMBER: 16911 DATE: XX/XX/XXXX
MY LICENSE RENEWAL DATE IS 12/31/2023
PAGES OR SHEETS COVERED BY THIS SEAL:
########

PRELIMINARY

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.

Adrian L. Holmes
LICENSE NUMBER: 17935 DATE: XX/XX/XXXX
MY LICENSE RENEWAL DATE IS 12/31/2023
PAGES OR SHEETS COVERED BY THIS SEAL:
#########

PRELIMINARY

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ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	TITLE SHEET	SHEET NUMBER	A.01	REVISED	10/16/2023

EXISTING TOPOGRAPHIC SYMBOLS

- ACCESS GRATE
- AIR CONDITION UNIT
- ANTENNA
- AUTO SPRINKLER CONNECTION
- BARRICADE PERMANENT
- BASKETBALL POST
- BENCH
- BIRD FEEDER
- BOLLARD
- BUSH
- CATCH BASIN RECTANGULAR CASTING
- CATCH BASIN CIRCULAR CASTING
- CURB STOP
- CLEAN OUT
- CULVERT END
- DRINKING FOUNTAIN
- DOWN SPOUT
- FILL PIPE
- FIRE HYDRANT
- FLAG POLE
- FLARED END / APRON
- FUEL PUMP
- GRILL
- GUY WIRE ANCHOR
- HANDHOLE
- ACCESSIBLE PARKING SPACE
- IRRIGATION SPRINKLER HEAD
- IRRIGATION VALVE BOX
- LIFT STATION CONTROL PANEL
- LIFT STATION
- LIGHT POLE
- MAILBOX
- MANHOLE-COMMUNICATION
- MANHOLE-ELECTRIC
- MANHOLE-GAS
- MANHOLE-HEAT
- MANHOLE-SANITARY SEWER
- MANHOLE-STORM SEWER
- MANHOLE-UTILITY
- MANHOLE-WATER
- METER
- ORDER MICROPHONE
- PARKING METER
- PAVEMENT MARKING
- PEDESTAL-COMMUNICATION
- PEDESTAL-ELECTRIC
- PEDESTRIAN PUSH BUTTON
- PICNIC TABLE
- POLE-UTILITY
- POST
- RAILROAD SIGNAL POLE
- REGULATION STATION GAS
- SATELLITE DISH
- SIGN TRAFFIC
- SIGNAL CONTROL CABINET
- SOIL BORING
- SIREN
- TELEPHONE BOOTH
- TILE INLET
- TILE OUTLET
- TILE RISER
- TRANSFORMER-ELECTRIC
- TREE-CONIFEROUS
- TREE-DEAD
- TREE-DECIDUOUS
- TREE STUMP
- TRAFFIC ARM BARRIER
- TRAFFIC SIGNAL
- TRASH CAN
- UTILITY MARKER
- VALVE
- VALVE POST INDICATOR
- VALVE VAULT
- VAULT
- VENT PIPE
- WATER SPIGOT
- WELL
- WETLAND DELINEATED MARKER
- WETLAND
- WET WELL
- YARD HYDRANT

PROPOSED TOPOGRAPHIC SYMBOLS

- CLEANOUT
- MANHOLE
- LIFT STATION
- STORM SEWER CIRCULAR CASTING
- STORM SEWER RECTANGULAR CASTING
- STORM SEWER FLARED END / APRON
- STORM SEWER OUTLET STRUCTURE
- STORM SEWER OVERFLOW STRUCTURE
- CURB BOX
- FIRE HYDRANT
- WATER VALVE
- WATER REDUCER
- WATER BEND
- WATER TEE
- WATER CROSS
- WATER SLEEVE
- WATER CAP / PLUG
- RIP RAP
- DRAINAGE FLOW
- TRAFFIC SIGNS
- PROPOSED LIGHT POLE

SURVEY SYMBOLS

- BENCHMARK LOCATION
- CONTROL POINT
- MONUMENT FOUND
- CAST IRON MONUMENT
- STONE MONUMENT

EXISTING TOPOGRAPHIC LINES

- RETAINING WALL
- FENCE
- FENCE-DECORATIVE
- GUARD RAIL
- TREE LINE
- BUSH LINE

SURVEY LINES

- CONTROLLED ACCESS
- BOUNDARY
- CENTERLINE
- EXISTING EASEMENT LINE
- PROPOSED EASEMENT LINE
- EXISTING LOT LINE
- PROPOSED LOT LINE
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- SETBACK LINE
- SECTION LINE
- QUARTER LINE
- SIXTEENTH LINE
- TEMPORARY EASEMENT

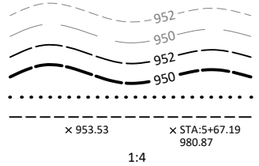
EXISTING UTILITY LINES

- FORCEMAIN
- SANITARY SEWER
- SANITARY SERVICE
- STORM SEWER
- STORM SEWER DRAIN TILE
- WATERMAIN
- WATER SERVICE

PROPOSED UTILITY LINES

- FORCEMAIN
- SANITARY SEWER
- SANITARY SERVICE
- STORM SEWER
- STORM SEWER DRAIN TILE
- WATERMAIN
- WATER SERVICE
- PIPE CASING
- TRENCHLESS PIPE (PLAN VIEW)
- TRENCHLESS PIPE (PROFILE VIEW)

GRADING INFORMATION



- EXISTING CONTOUR MINOR
- EXISTING CONTOUR MAJOR
- PROPOSED CONTOUR MINOR
- PROPOSED CONTOUR MAJOR
- PROPOSED GRADING LIMITS / SLOPE LIMITS
- PROJECT LIMITS
- PROPOSED SPOT ELEVATION
- RISE:RUN (SLOPE)

HATCH PATTERNS

- HMA PAVEMENT
- SIDEWALK
- PCC PAVEMENT
- DRIVEWAY
- GRAVEL

EXISTING PRIVATE UTILITY LINES

NOTE:
EXISTING UTILITY INFORMATION SHOWN ON THIS PLAN HAS BEEN PROVIDED BY THE UTILITY OWNER. THE CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS PRIOR TO COMMENCING CONSTRUCTION AS REQUIRED BY STATE LAW. NOTIFY IOWA ONE CALL - 1-800-292-8989

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D UNLESS OTHERWISE NOTED. THIS UTILITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-22, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA"

- UNDERGROUND FIBER OPTIC
- UNDERGROUND ELECTRIC
- UNDERGROUND GAS
- UNDERGROUND COMMUNICATION
- OVERHEAD ELECTRIC
- OVERHEAD COMMUNICATION
- OVERHEAD UTILITY

UTILITIES IDENTIFIED WITH A QUALITY LEVEL OTHER THAN D:

LINE TYPES FOLLOW THE FORMAT: UTILITY TYPE - QUALITY LEVEL
EXAMPLE: G-A G-A UNDERGROUND GAS, QUALITY LEVEL A
UTILITY QUALITY LEVEL (A,B,C,D) DEFINITIONS CAN BE FOUND IN CI/ASCE 38-02.

UTILITY QUALITY LEVELS:

LEVEL D - INFORMATION COMES SOLELY FROM EXISTING UTILITY RECORDS.

LEVEL C - SURVEYING ABOVE GROUND UTILITY FACILITIES, SUCH AS MANHOLES, VALVE BOXES, ETC; AND CORRELATING THIS INFORMATION WITH EXISTING UTILITY RECORDS.

LEVEL B - THE USE OF SURFACE GEOPHYSICAL TECHNIQUES TO DETERMINE THE EXISTENCE AND HORIZONTAL POSITION OF UNDERGROUND UTILITIES.

LEVEL A - THE USE OF NONDESTRUCTIVE DIGGING EQUIPMENT AT HORIZONTAL AND VERTICAL POSITION OF UNDERGROUND UTILITIES, AS WELL AS THE TYPE, SIZE, CONDITION, MATERIAL, AND OTHER CHARACTERISTICS.

ABBREVIATIONS

A	ALGEBRAIC DIFFERENCE	GV	GATE VALVE	SAN	SANITARY SEWER
ADJ	ADJUST	HDPE	HIGH DENSITY POLYETHYLENE	SCH	SCHEDULE
ALT	ALTERNATE	HH	HANDHOLE	SERV	SERVICE
B-B	BACK TO BACK	HMA	HOT MIX ASPHALT	SHLD	SHOULDER
BLDG	BUILDING	HP	HIGH POINT	STA	STATION
BMP	BEST MANAGEMENT PRACTICE	HWL	HIGH WATER LEVEL	STD	STANDARD
BR	BEGIN RADIUS	HYD	HYDRANT	STM	STORM SEWER
BV	BUTTERFLY VALVE	I	INVERT	TC	TOP OF CURB
CB	CATCH BASIN	K	CURVE COEFFICIENT	TE	TEMPORARY EASEMENT
C&G	CURB AND GUTTER	L	LENGTH	TEMP	TEMPORARY
CIP	CAST IRON PIPE	LO	LOWEST OPENING	TNH	TOP NUT HYDRANT
CIPP	CURED-IN-PLACE PIPE	LP	LOW POINT	TP	TOP OF PIPE
CL	CENTER LINE	LT	LEFT	TYP	TYPICAL
CL.	CLASS	MH	MANHOLE	VCP	VITRIFIED CLAY PIPE
CMP	CORRUGATED METAL PIPE	MIN	MINIMUM	VERT	VERTICAL
C.O.	CHANGE ORDER	MR	MID RADIUS	VPC	VERTICAL POINT OF CURVE
COMM	COMMUNICATION	NIC	NOT IN CONTRACT	VPI	VERTICAL POINT OF INTERSECTION
CSP	CORRUGATED STEEL PIPE	NMC	NON-METALLIC CONDUIT	VPT	VERTICAL POINT OF TANGENT
CLVT	CULVERT	NTS	NOT TO SCALE	WM	WATERMAIN
DIA	DIAMETER	NWL	NORMAL WATER LEVEL	WS	WATER SERVICE
DIP	DUCTILE IRON PIPE	OHW	ORDINARY HIGH WATER LEVEL		
DWY	DRIVEWAY	PC	POINT OF CURVE		
E	EXTERNAL CURVE DISTANCE	PCC	PORTLAND CEMENT CONCRETE	AC	ACRES
ESMT	EASEMENT	PE	PERMANENT EASEMENT	CF	CUBIC FEET
ELEC	ELECTRIC	PED	PEDESTRIAN, PEDESTAL	CV	COMPACTED VOLUME
ELEV/EL	ELEVATION	PERF	PERFORATED PIPE	CY	CUBIC YARD
EOF	EMERGENCY OVERFLOW	PERM	PERMANENT	EA	EACH
ER	END RADIUS	PI	POINT OF INTERSECTION	EV	EXCAVATED VOLUME
EX	EXISTING	PL	PROPERTY LINE	LB	POUND
FES	FLARED END SECTION	PRC	POINT OF REVERSE CURVE	LF	LINEAR FEET
F-F	FACE TO FACE	PT	POINT OF TANGENT	LS	LUMP SUM
FF	FINISHED FLOOR	PVC	POLYVINYL CHLORIDE PIPE	LV	LOOSE VOLUME
F&I	FURNISH AND INSTALL	PVMT	PAVEMENT	SF	SQUARE FEET
FM	FORCEMAIN	R	RADIUS	SV	STOCKPILE VOLUME
FO	FIBER OPTIC	RCP	REINFORCED CONCRETE PIPE	SY	SQUARE YARD
F.O.	FIELD ORDER	RET	RETAINING		
GRAN	GRANULAR	R/W	RIGHT-OF-WAY		
GRAV	GRAVEL	RSC	RIGID STEEL CONDUIT		
GU	GUTTER	RT	RIGHT		

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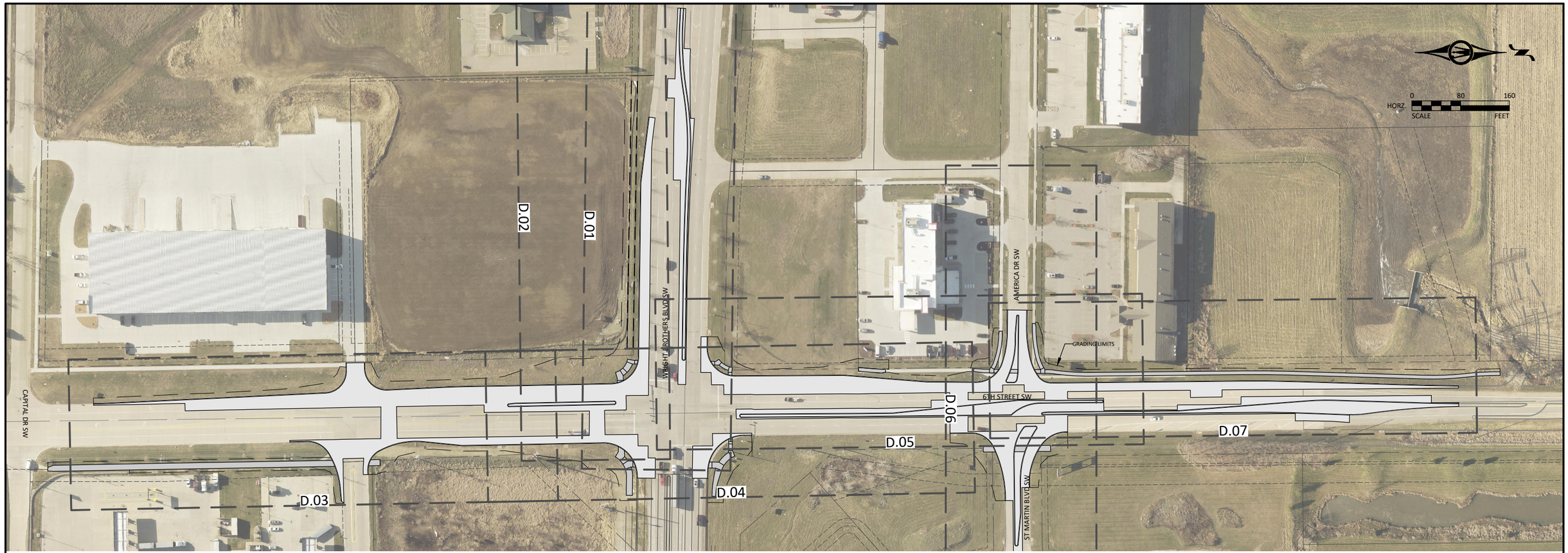

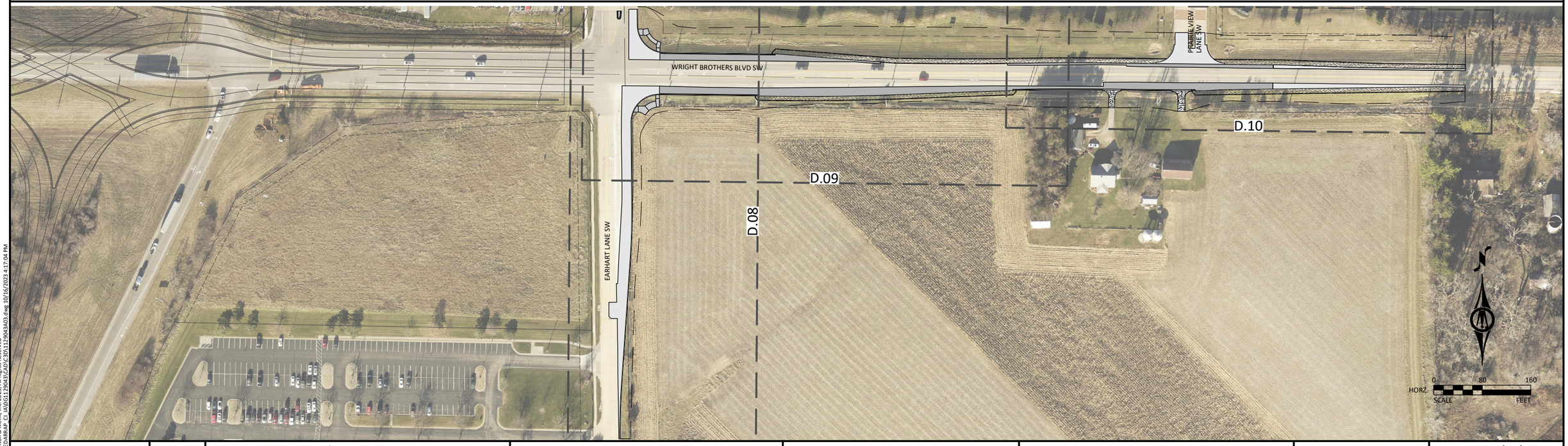

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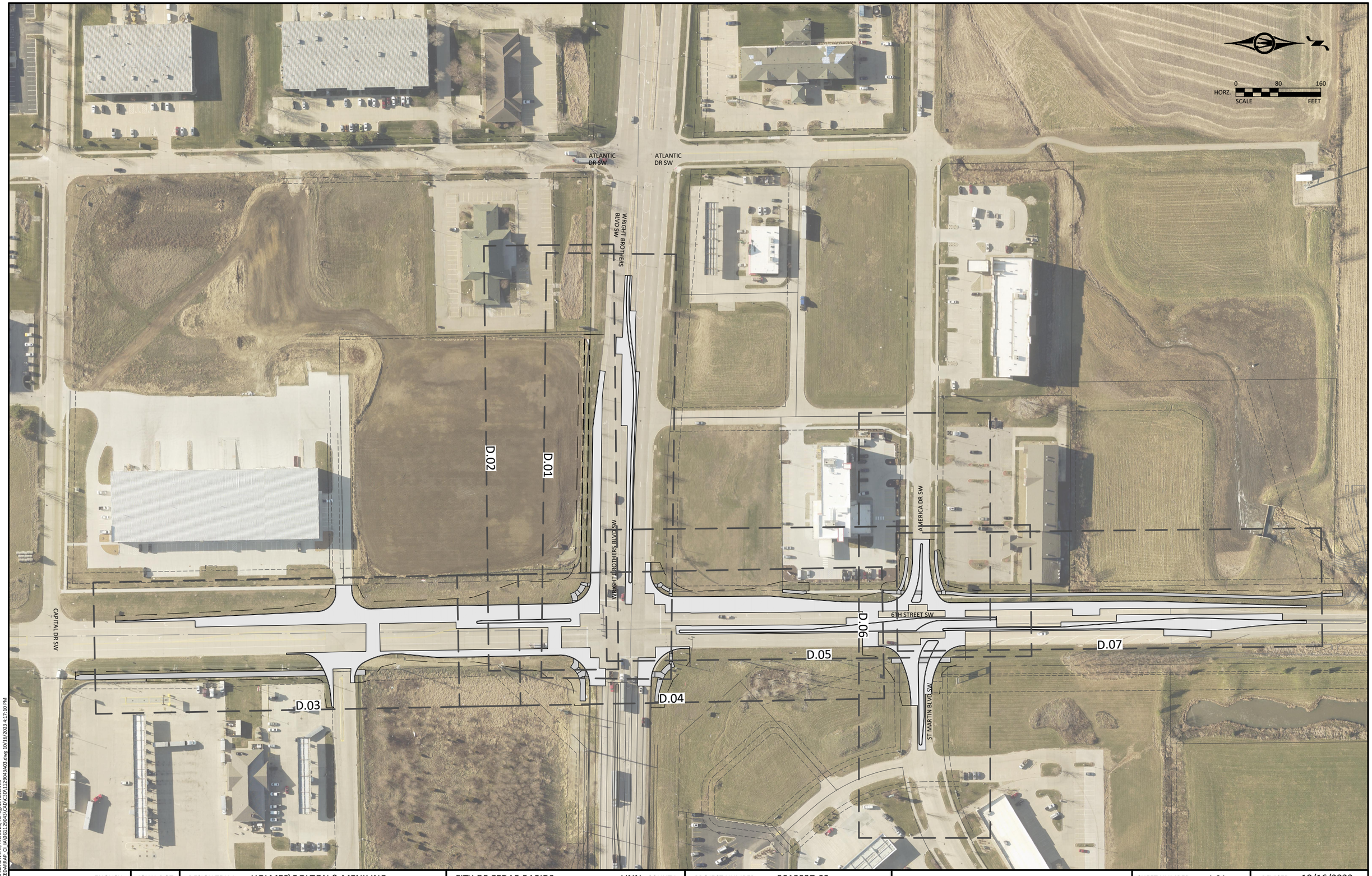
ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	----	SHEET NUMBER	A.03	REVISED	10/16/2023



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ENGLISH	IOWA DOT	DESIGN TEAM HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER 3018027-03	----	SHEET NUMBER A.04	REVISED 10/16/2023

HORZ. SCALE 0 80 160 FEET

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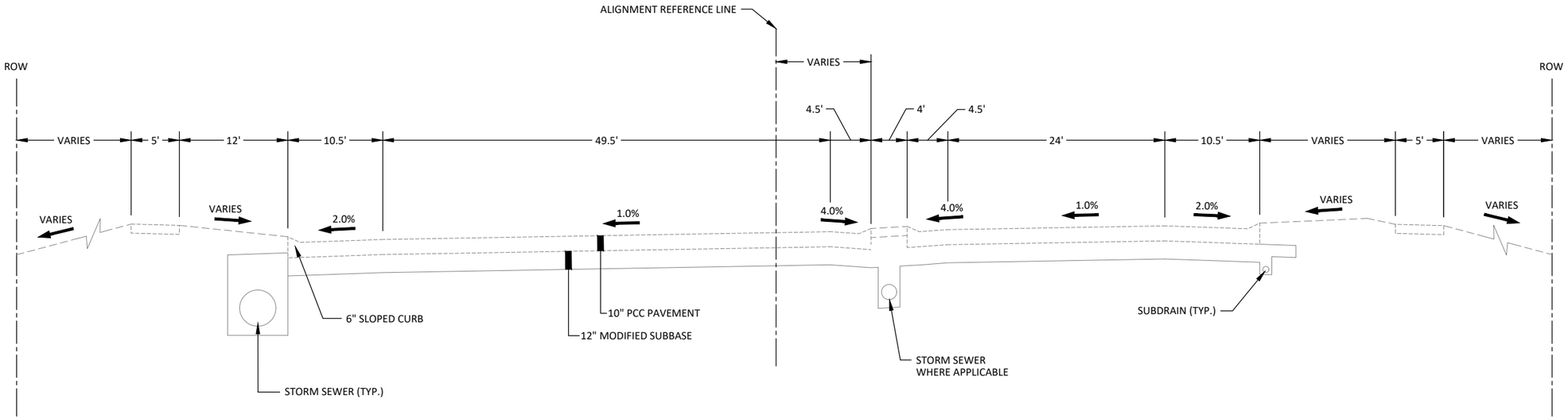
ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	----	SHEET NUMBER	A.05	REVISED	10/16/2023



1
B.01

EXISTING SECTION - WRIGHT BROTHERS BLVD

STA: 108+75 TO 110+00

NOT TO SCALE

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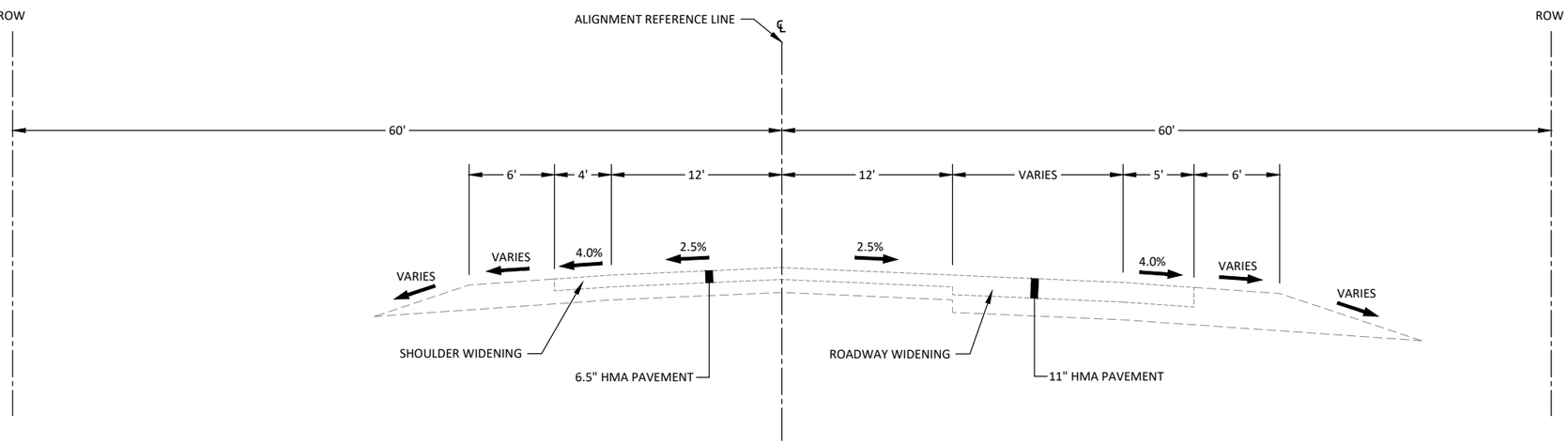
ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	TYPICAL SECTIONS	SHEET NUMBER	B.01	REVISED	10/16/2023



1 / B.02 EXISTING SECTION - WRIGHT BROTHERS BLVD

STA: 144+50 TO 149+50

NOT TO SCALE

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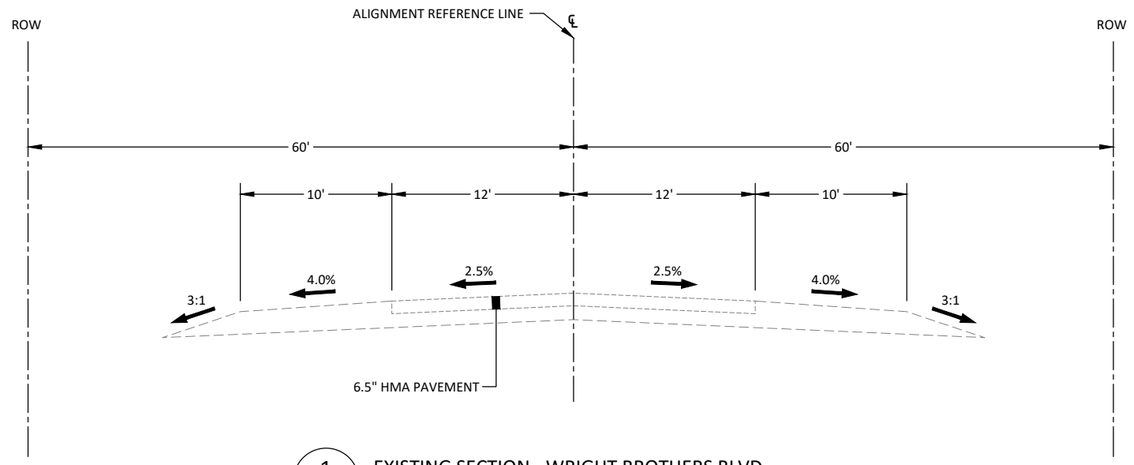
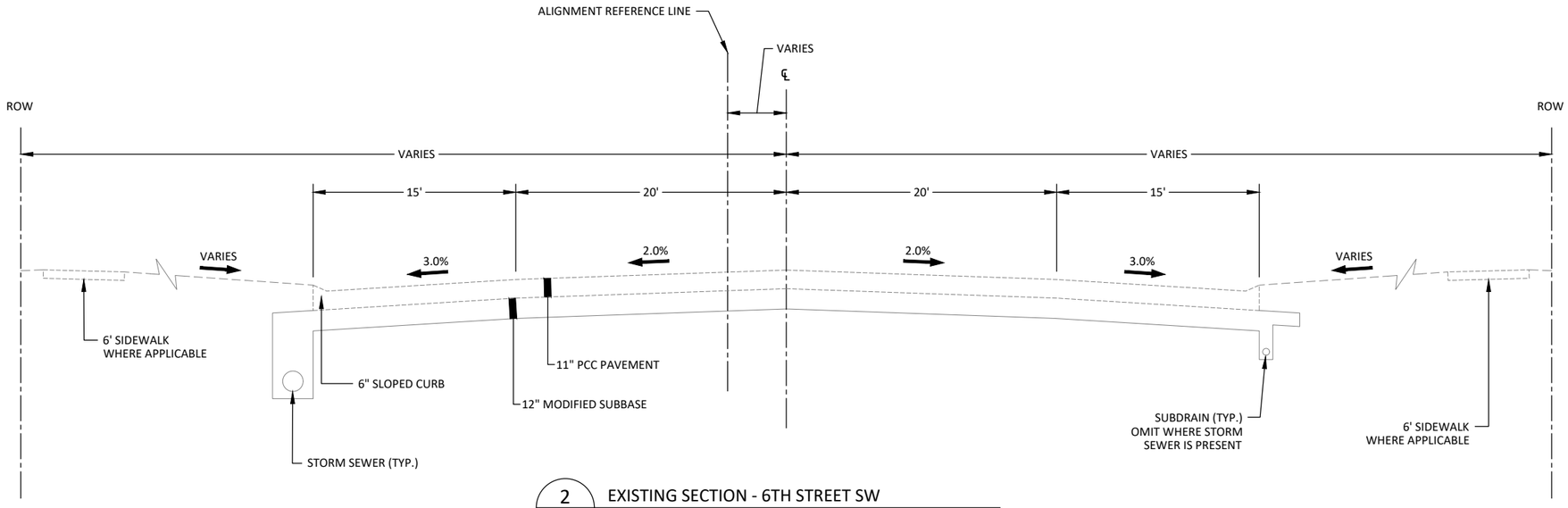


1 / B.03 EXISTING SECTION - WRIGHT BROTHERS BLVD

STA: 154+00 TO 162+00 NOT TO SCALE



2 / B.03 EXISTING SECTION - 6TH STREET SW

STA:206+00 TO 213+75; STA: 219+00 TO 226+30 NOT TO SCALE

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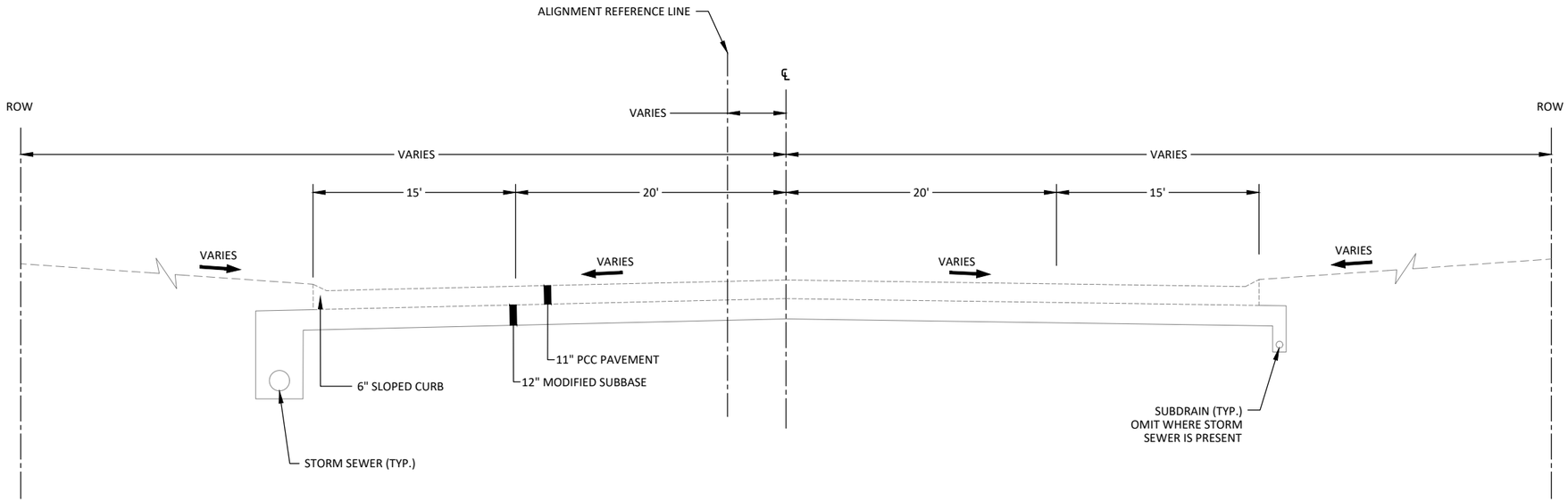
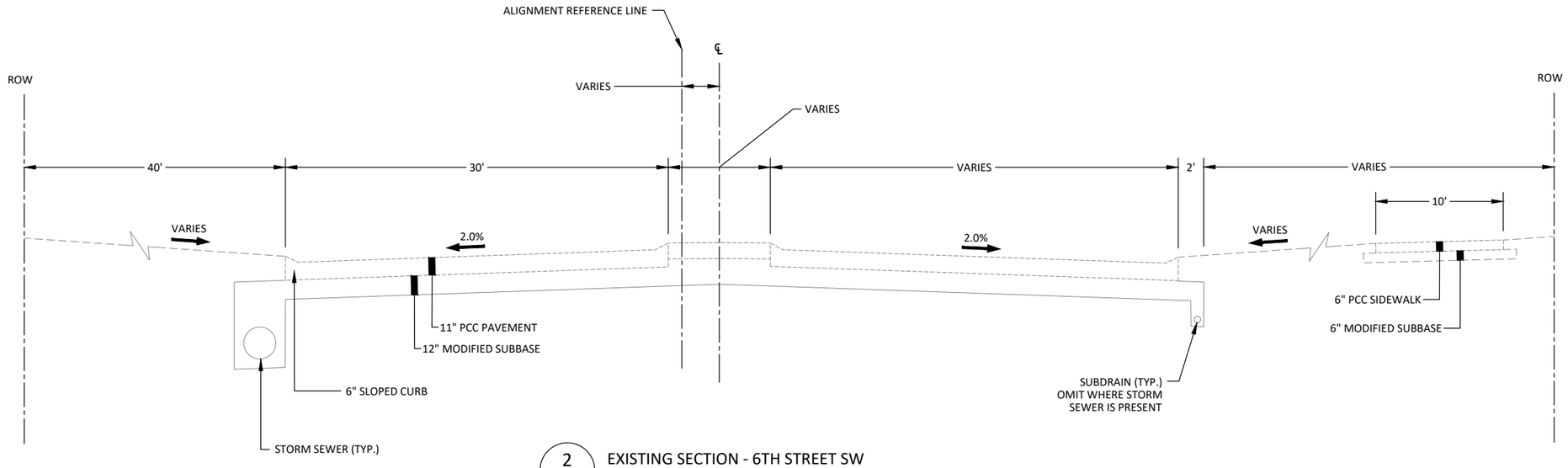
ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	TYPICAL SECTIONS	SHEET NUMBER	B.03	REVISED	10/16/2023



1 / B.04 EXISTING SECTION - 6TH STREET SW

STA: 213+75 TO 214+82; 217+23 TO 219+00 NOT TO SCALE



2 / B.04 EXISTING SECTION - 6TH STREET SW

STA: 226+30 TO 229+00 NOT TO SCALE

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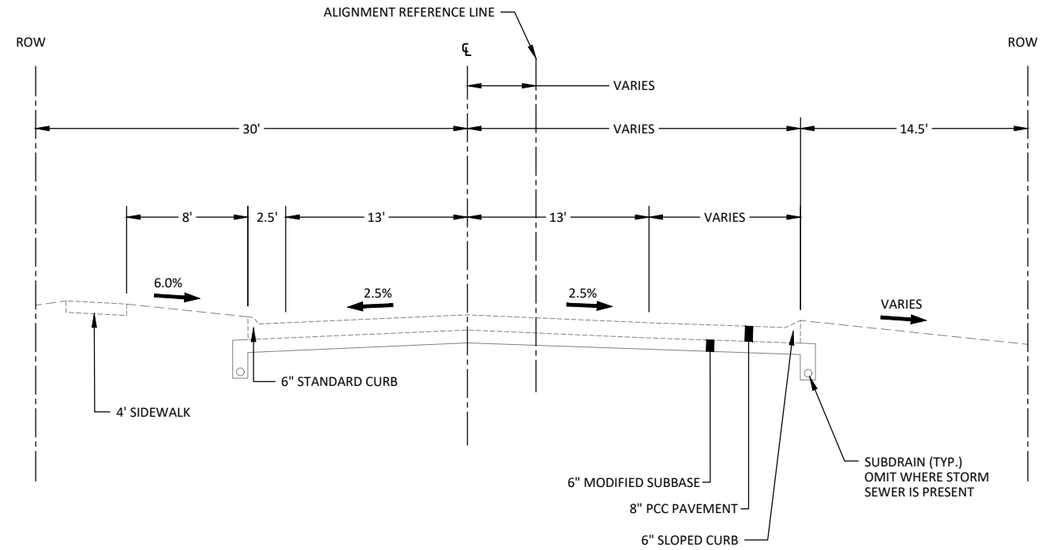
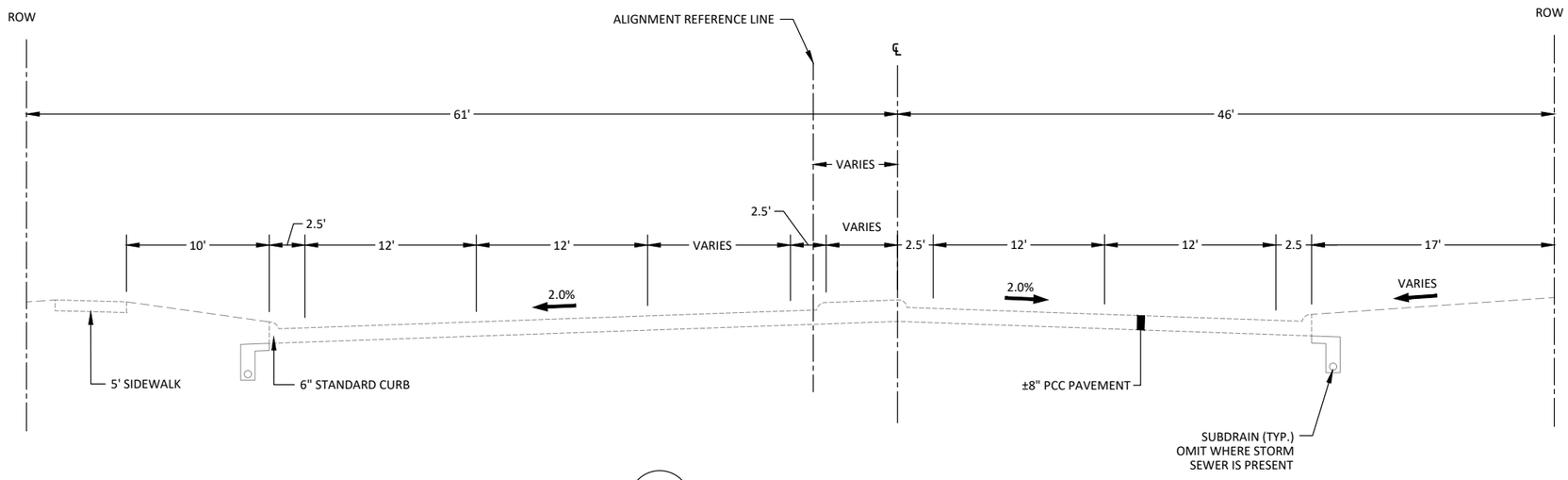
ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	TYPICAL SECTIONS	SHEET NUMBER	B.04	REVISED	10/16/2023



1 / B.05 EXISTING SECTION - EARHART LANE SW

STA: 305+00 TO 308+00 NOT TO SCALE



2 / B.05 EXISTING SECTION - EARHART LANE SW

STA: 310+00 TO 313+00 NOT TO SCALE

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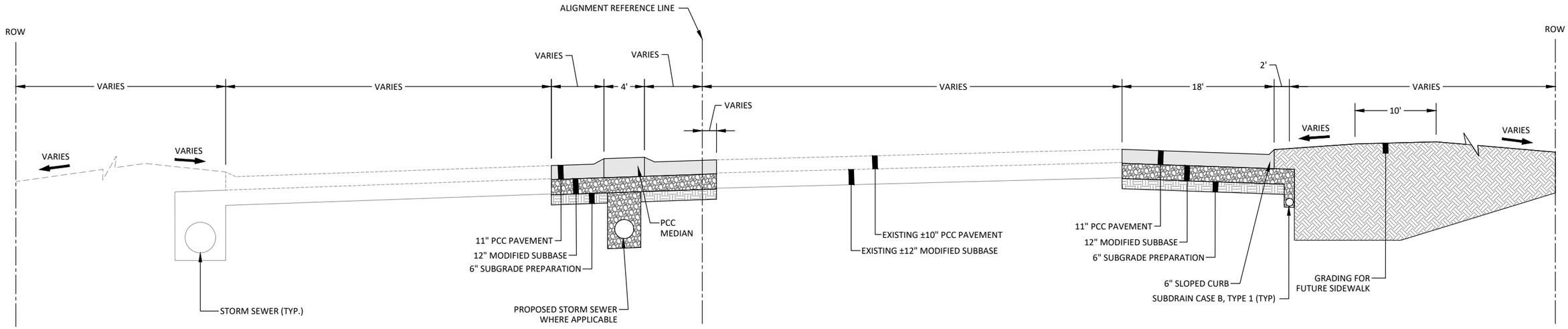
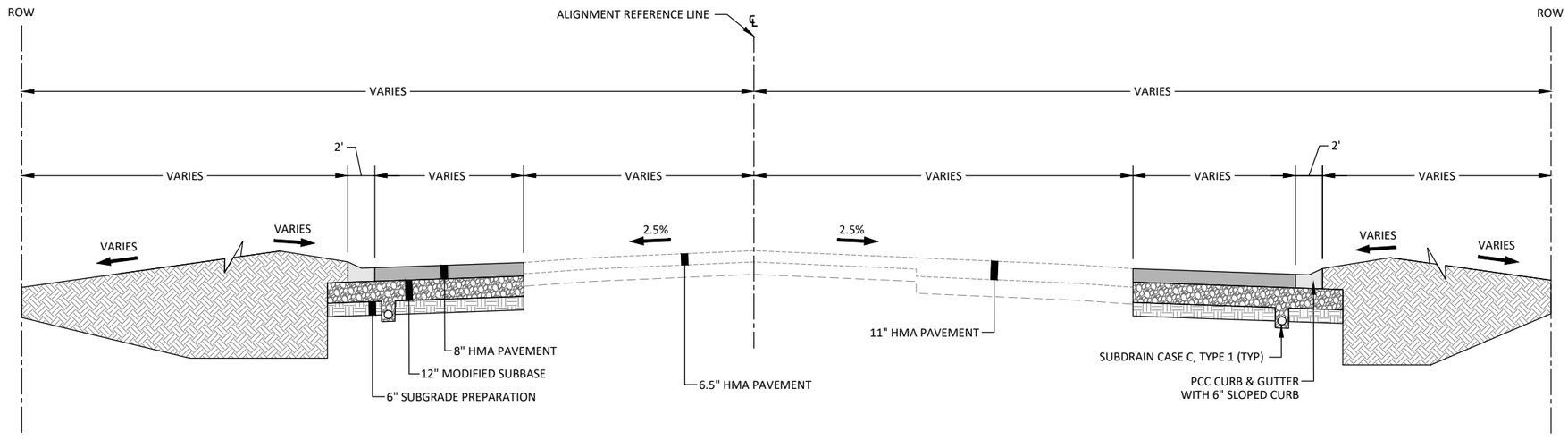


1 / B.06 PROPOSED SECTION - WRIGHT BROTHERS BLVD

STA: 110+48 TO 117+14

SECTION @ STA: 114+00

NOT TO SCALE



2 / B.06 PROPOSED SECTION - WRIGHT BROTHERS BLVD

STA: 144+32 TO STA: 146+23

SECTION @ STA: 145+00

NOT TO SCALE

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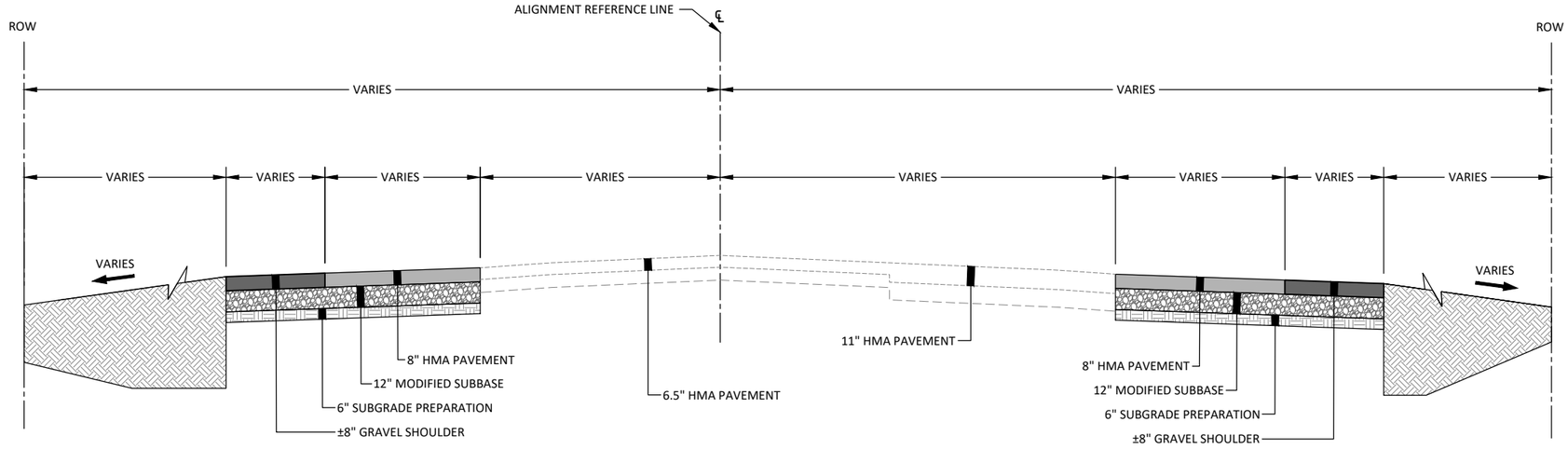
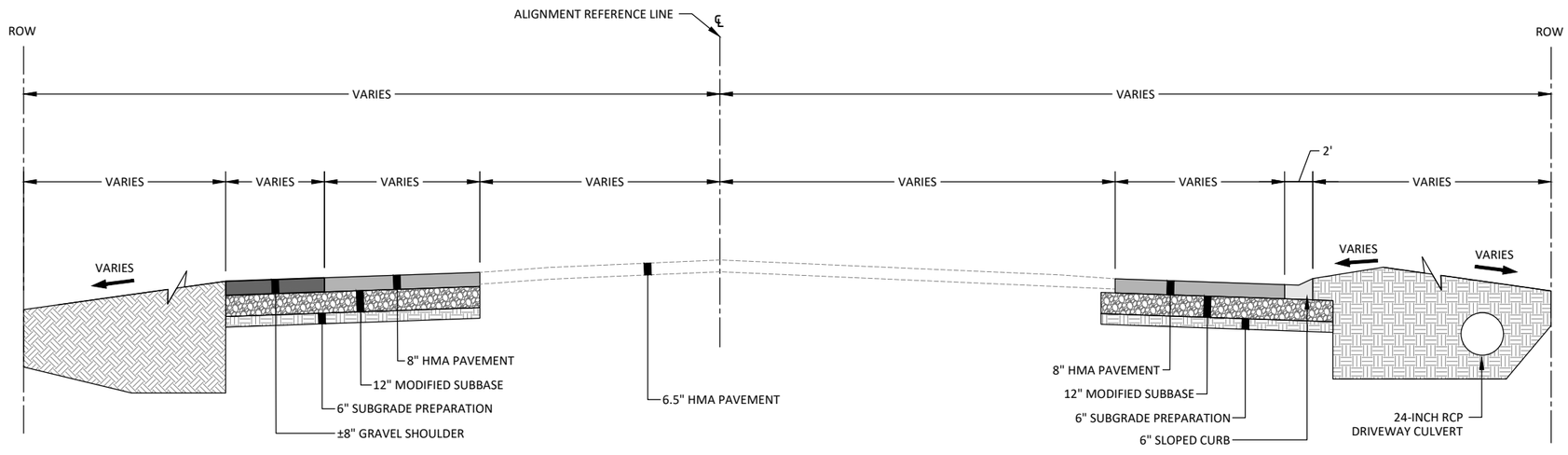
ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	TYPICAL SECTIONS	SHEET NUMBER	B.06	REVISED	10/16/2023



1 / B.07 PROPOSED SECTION - WRIGHT BROTHERS BLVD

STA: 146+23 TO STA: 150+14 NOT TO SCALE

SECTION @ STA: 147+00



2 / B.07 PROPOSED SECTION - WRIGHT BROTHERS BLVD

STA: 150+14 TO STA: 153+14 NOT TO SCALE

SECTION @ STA: 151+00

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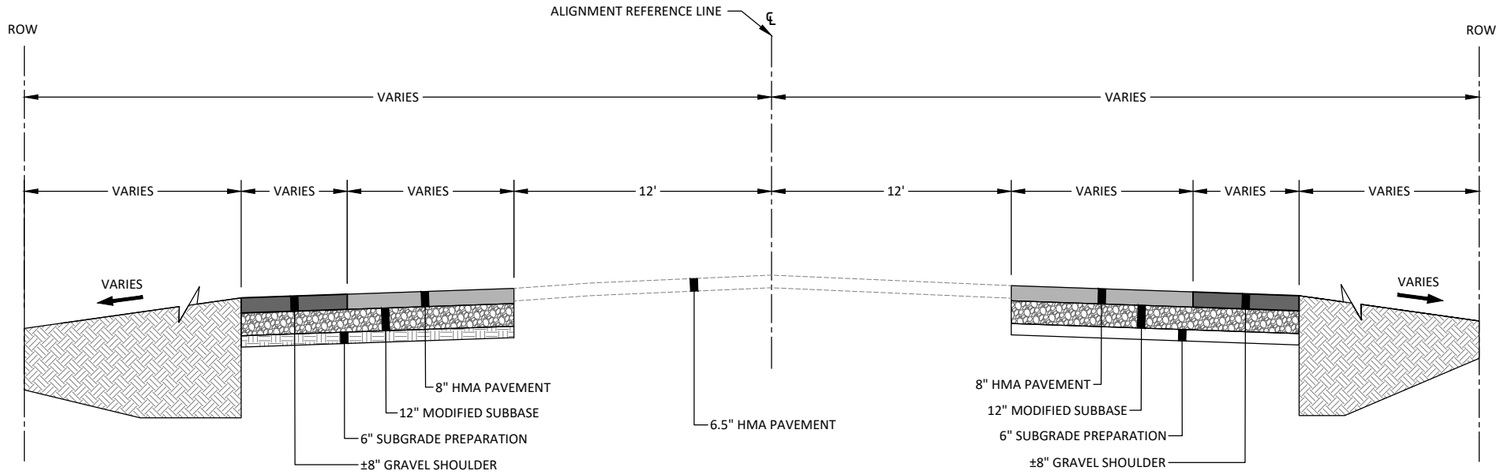
ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	TYPICAL SECTIONS	SHEET NUMBER	B.07	REVISED	10/16/2023



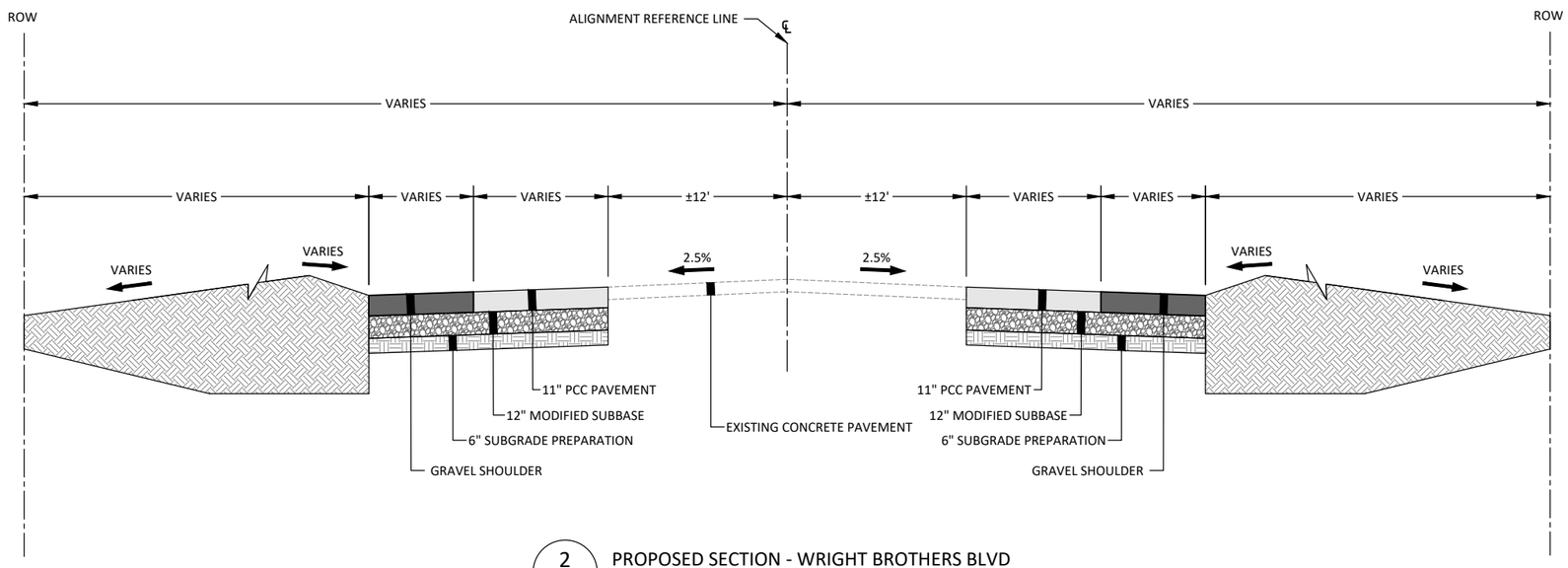
1
B.08

PROPOSED SECTION - WRIGHT BROTHERS BLVD

STA: 153+14 TO STA: 154+43

SECTION @ STA: 154+00

NOT TO SCALE



2
B.08

PROPOSED SECTION - WRIGHT BROTHERS BLVD

STA: 154+43 TO STA: 157+60

SECTION @ STA: 156+00

NOT TO SCALE

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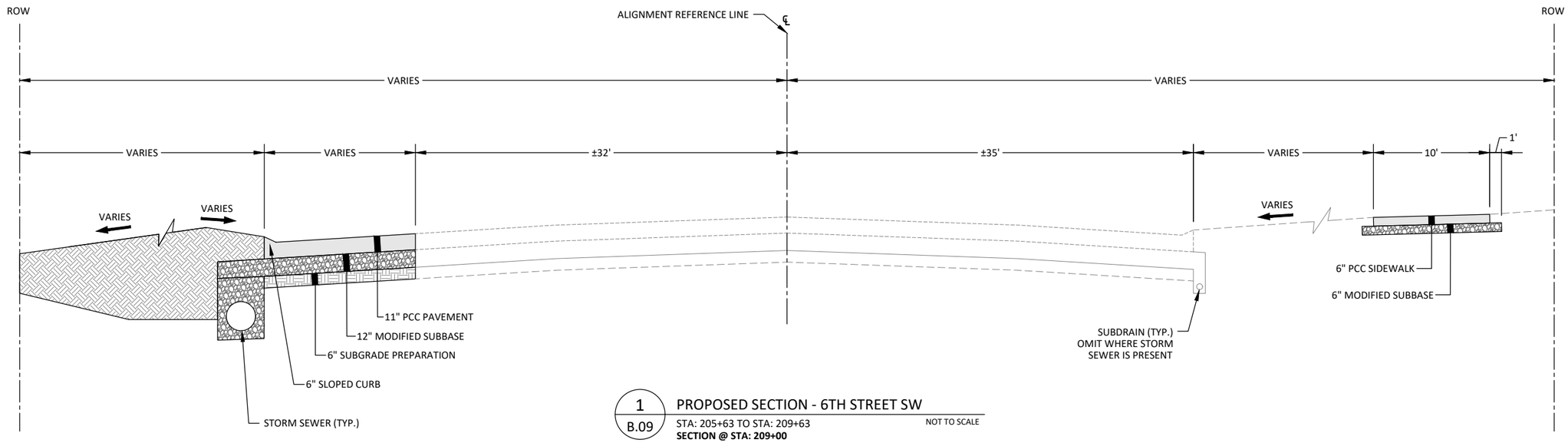
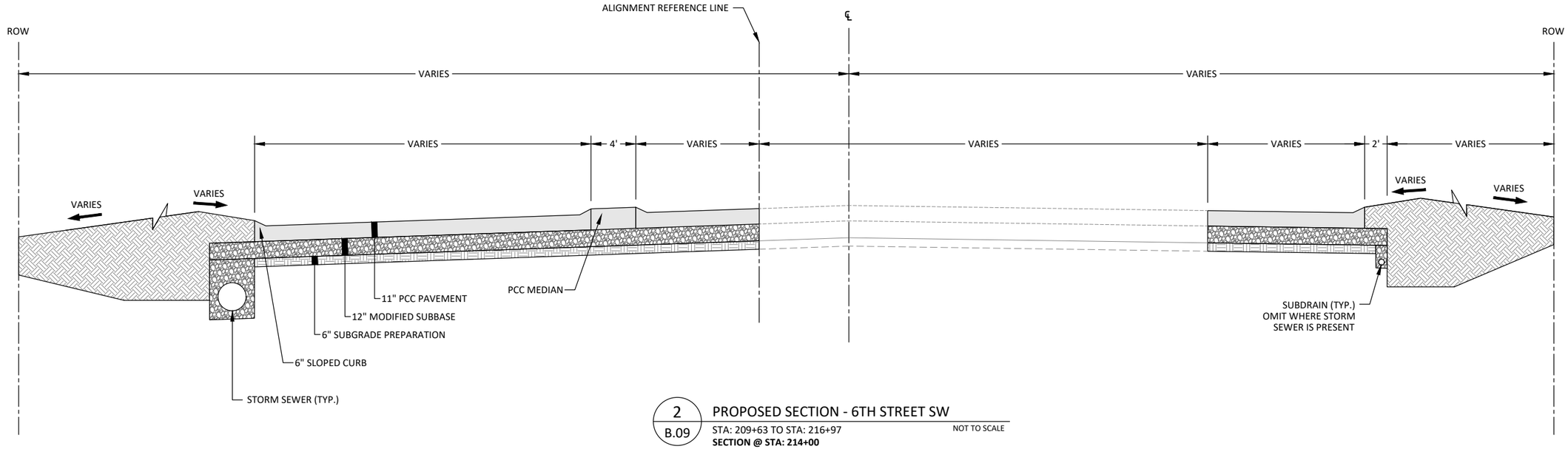


1 / B.09 PROPOSED SECTION - 6TH STREET SW

STA: 205+63 TO STA: 209+63

SECTION @ STA: 209+00

NOT TO SCALE



2 / B.09 PROPOSED SECTION - 6TH STREET SW

STA: 209+63 TO STA: 216+97

SECTION @ STA: 214+00

NOT TO SCALE

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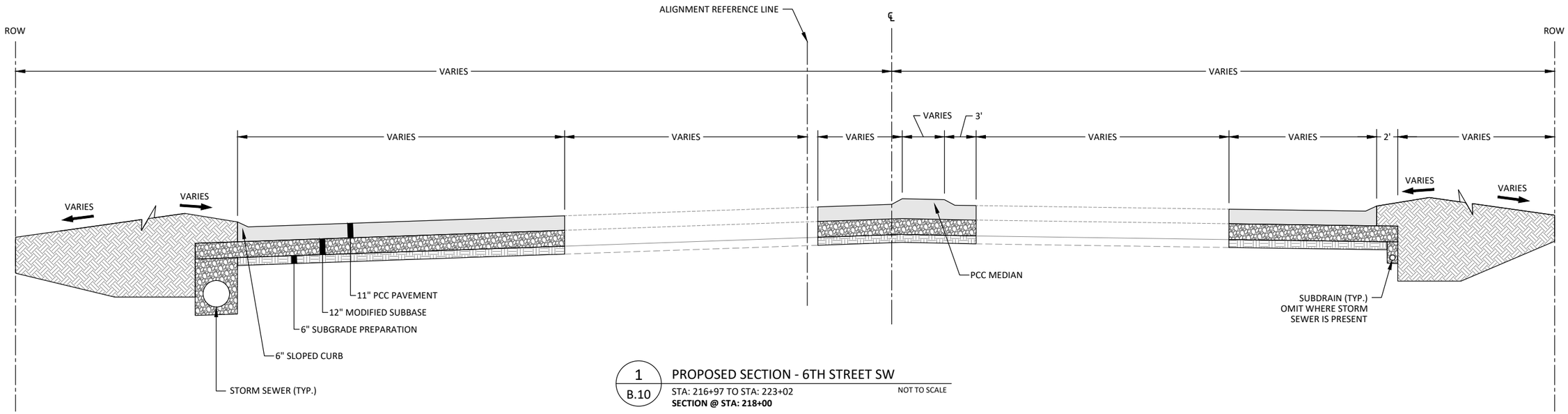
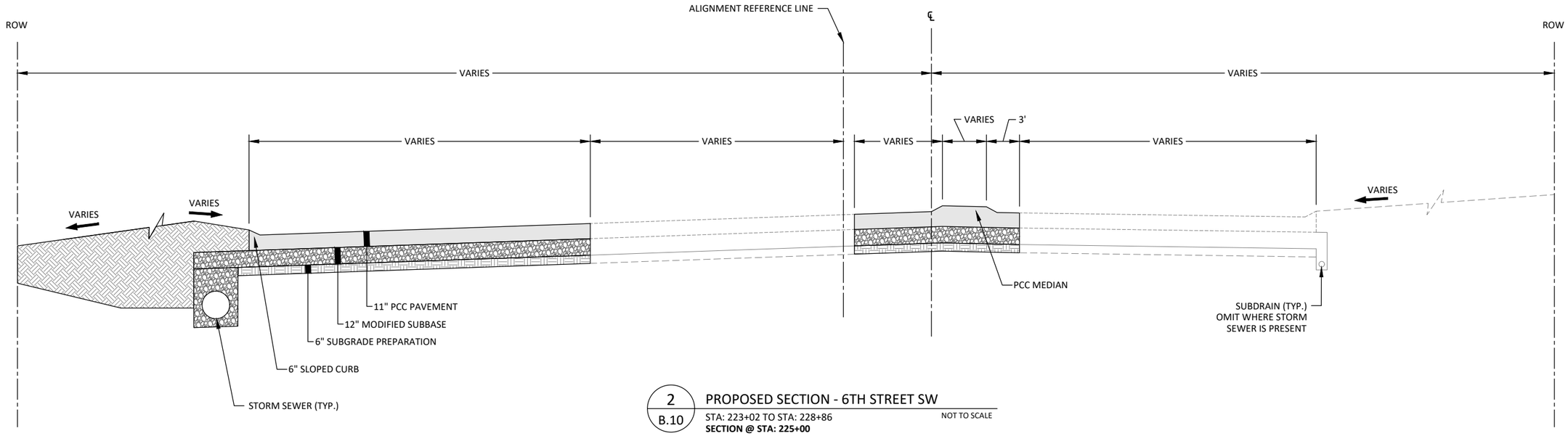


1 / B.10 PROPOSED SECTION - 6TH STREET SW

STA: 216+97 TO STA: 223+02 NOT TO SCALE

SECTION @ STA: 218+00



2 / B.10 PROPOSED SECTION - 6TH STREET SW

STA: 223+02 TO STA: 228+86 NOT TO SCALE

SECTION @ STA: 225+00

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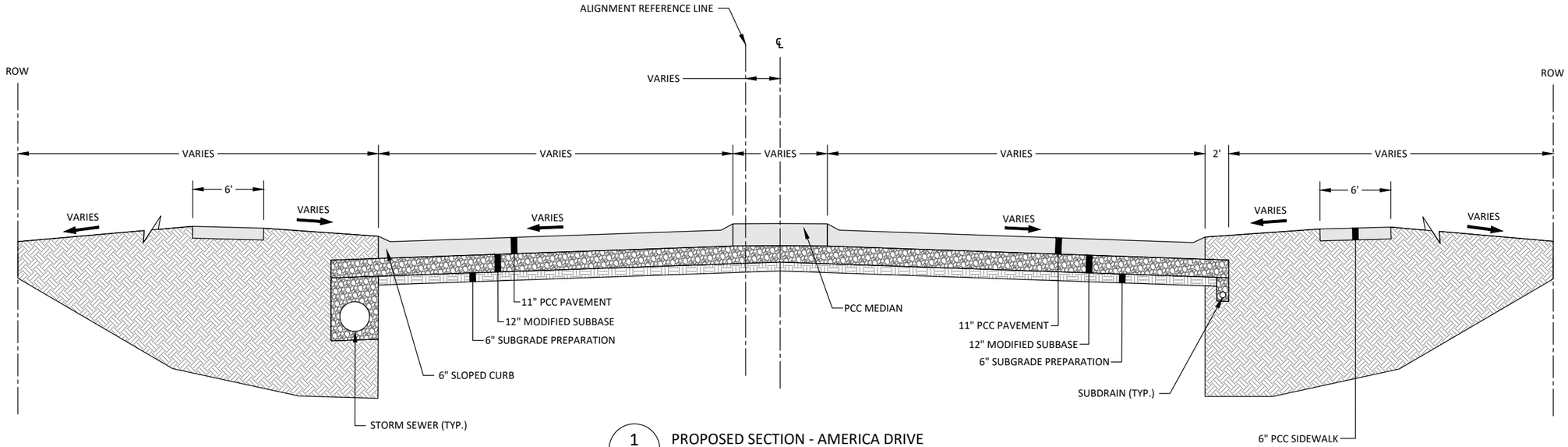
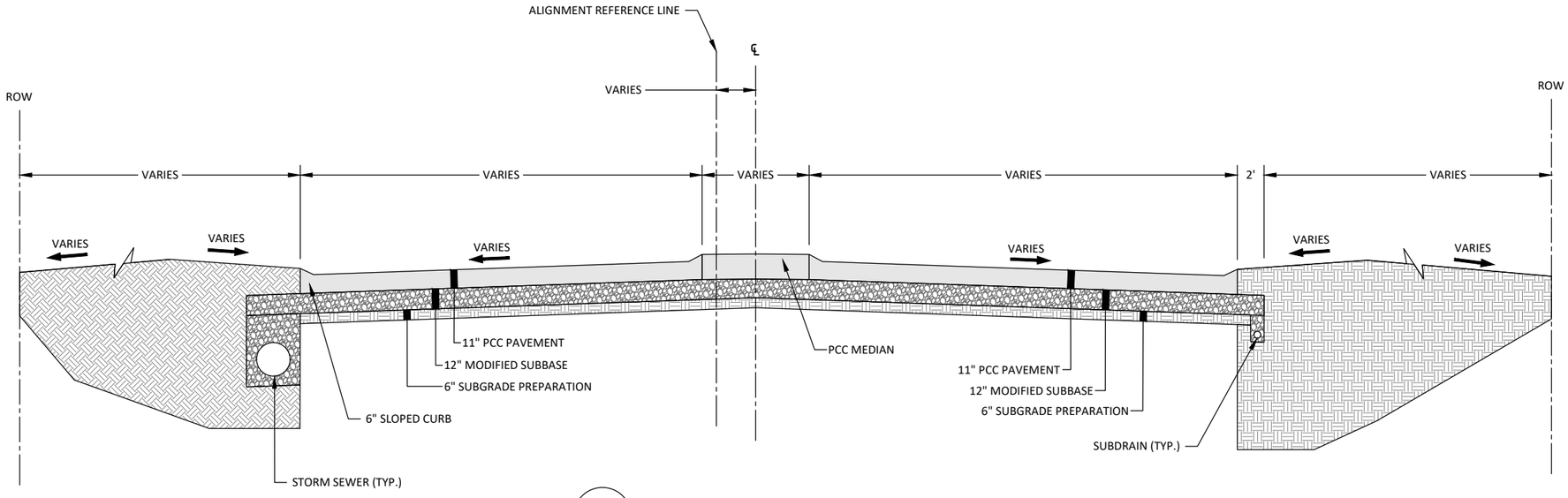
ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	TYPICAL SECTIONS	SHEET NUMBER	B.10	REVISED	10/16/2023



1 / B.11 PROPOSED SECTION - AMERICA DRIVE

STA: 250+86 TO STA: 252+21 NOT TO SCALE

SECTION @ STA: 251+50



2 / B.11 PROPOSED SECTION - ST. MARTIN BLVD

STA: 252+73 TO STA: 254+84 NOT TO SCALE

SECTION @ STA: 253+50

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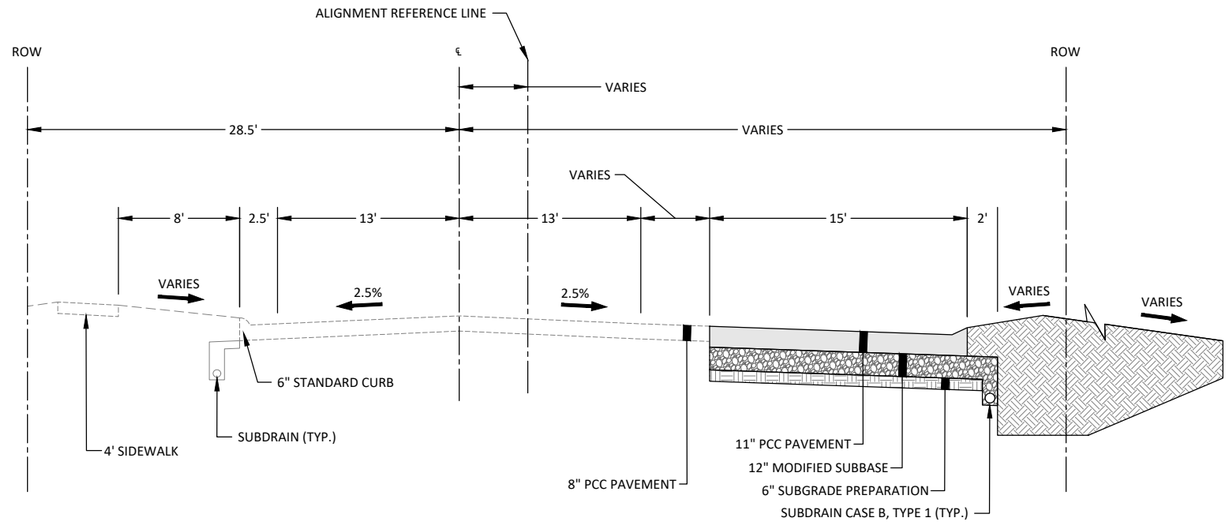
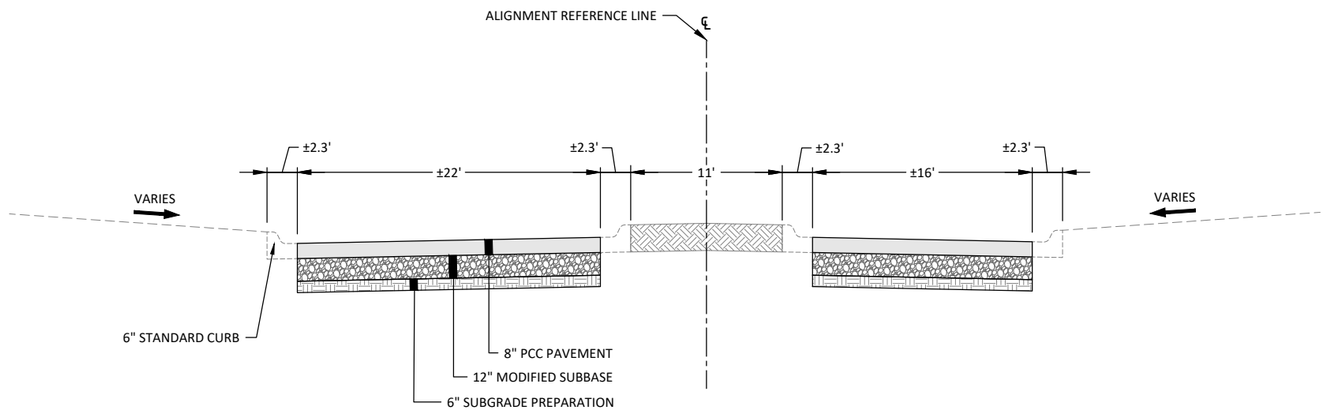
ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	TYPICAL SECTIONS	SHEET NUMBER	B.11	REVISED	10/16/2023



1 / B.12 PROPOSED SECTION - EARHART LANE

STA: 302+68 TO 308+52; STA: 308+94 TO 309+78 NOT TO SCALE

SECTION @ STA: 307+00



2 / B.12 PROPOSED SECTION - PRAIRIE VIEW LANE

STA: 350+12 TO STA: 350+70 NOT TO SCALE

SECTION @ STA: 350+50

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ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	TYPICAL SECTIONS	SHEET NUMBER	B.12	REVISED	10/16/2023

ESTIMATED PROJECT QUANTITIES

ITEM NO.	ITEM CODE	ITEM	UNIT	CIP	TOTAL EST. QUANT.	AS BUILT QUANT.
1	2101-0850002	CLEAR+GRUBB --UNIT	UNIT	175	175	
2	2102-2710070	EXCAVATION, CL 10, RDWY+BORROW --CY	CY	5800	5800	
3	2105-8425015	TOPSOIL, STRIP, SALVAGE+SPREAD --CY	CY	3950	3950	
4	2107-0875000	COMPACTION W/MOISTURE+DENSITY CONTROL --CY	CY	6500	6500	
5	2113-0001000	SUBGRADE STABIL MAT'L, GEOGRID --SY	SY	19500	19500	
6	2115-0100000	MODIFIED SUBBASE --CY	CY	6500	6500	
7	2121-7425010	GRANULAR SHLD, TYPE A --TON	TON	1000	1000	
8	2125-2225050	RESHAPING DITCH --STA	STA	25	25	
9	2213-6745500	RMVL OF CURB --STA	STA	25	25	
10	2301-1033080	STD/S-F PCC PAV'T, CL C CL 3, 8" --SY	SY	500	500	
11	2301-1033110	STD/S-F PCC PAV'T, CL C CL 3, 11" --SY	SY	14500	14500	
12	2301-4874006	MEDIAN, DOWELLED PCC --SY	SY	1850	1850	
13	2301-6911722	PCC PAV'T SAMPLE --LS	LS	1	1	
14	2303-1041750	HMA HT BASE, 3/4" --TON	TON	300	300	
15	2303-1042500	HMA HT INTERMEDIATE, 1/2" --TON	TON	300	300	
16	2303-1043503	HMA HT SURF, 1/2", FRIC L-3 --TON	TON	200	200	
17	2303-1258284	ASPH BINDER, PG 58-28H --TON	TON	60	60	
18	2401-6745354	RMVL OF CONC FOOTING --EACH	EACH	4	4	
19	2401-6745765	RMVL OF LIGHT POLE --EACH	EACH	8	8	
20	2416-0100015	APRON, CONC, 15" --EACH	EACH	1	1	
21	2416-0100018	APRON, CONC, 18" --EACH	EACH	1	1	
22	2416-0100024	APRON, CONC, 24" --EACH	EACH	2	2	
23	2416-1165024	CULV, 2000D CONC ENT PIPE, 24" --LF	LF	300	300	
24	2435-0140184	MANHOLE, STORM SWR, SW-401, 84" --EACH	EACH	1	1	
25	2435-0250700	INTAKE, SW-507 --EACH	EACH	6	6	
26	2435-0250710	INTAKE, SW-507 MOD --EACH	EACH	5	5	
27	2435-0250900	INTAKE, SW-509 --EACH	EACH	6	6	
28	2435-0250910	INTAKE, SW-509 MOD --EACH	EACH	3	3	
29	2435-0251000	INTAKE, SW-510 --EACH	EACH	2	2	
30	2435-0254100	INTAKE, SW-541 --EACH	EACH	1	1	
31	2435-0600010	MANHOLE ADJUSTMENT, MINOR --EACH	EACH	1	1	
32	2435-0700020	CONNECTION TO EXISTING INTAKE	EACH	4	4	
33	2502-6745952	RMVL OF SUBDRAIN --LF	LF	2150	2150	
34	2502-8212306	SUBDRAIN, STD, PERFORATED, 6" --LF	LF	2150	2150	
35	2502-8221006	SUBDRAIN RISER, 6" --EACH	EACH	6	6	
36	2502-8221303	SUBDRAIN OUTLET, DR-303 --EACH	EACH	20	20	
37	2502-8221305	SUBDRAIN OUTLET, DR-305 --EACH	EACH	4	4	
38	2503-0114215	STORM SWR G-MAIN,TRENCHED, RCP 2000D,15" --LF	LF	790	790	
39	2503-0114218	STORM SWR G-MAIN,TRENCHED, RCP 2000D,18" --LF	LF	805	805	
40	2503-0114224	STORM SWR G-MAIN,TRENCHED, RCP 2000D,24" --LF	LF	460	460	
41	2503-0114230	STORM SWR G-MAIN,TRENCHED, RCP 2000D,30" --LF	LF	465	465	
42	2503-0114236	STORM SWR G-MAIN,TRENCHED, RCP 2000D,36" --LF	LF	70	70	
43	2503-0200036	RMV STORM SWR PIPE LE 36" --LF	LF	1950	1950	
44	2504-0150412	SAN SWR FORCE MAIN, TRENCHED, PVC, 12" --LF	LF	30	30	
45	2504-0240036	RMV SAN SWR PIPE LE 36" --LF	LF	25	25	
46	2507-6800061	REVETMENT, CLASS E --TON	TON	16	16	
47	2510-6745850	RMVL OF PAV'T --SY	SY	10250	10250	
48	2510-6750600	RMVL OF INTAKE+UTILITY ACCESS --EACH	EACH	25	25	
49	2511-6745900	RMVL OF SIDEWALK --SY	SY	600	600	
50	2511-7526006	SIDEWALK, PCC, 6" --SY	SY	1750	1750	
51	2511-7528101	DETECTABLE WARNING --SF	SF	380	380	
52	2512-1725306	CURB+GUTTER, PCC, 3.0' --LF	LF	650	650	
53	2515-2475006	DRIVEWAY, PCC, 6" --SY	SY	100	100	
54	2515-6745600	RMVL OF PAVED DRIVEWAY --SY	SY	40	40	
55	2519-4200010	RMVL/REINSTALL FENCE, BARBED WIRE --LF	LF	500	500	
56	2524-6765210	RMVL OF TYPE A SIGN ASSEMBLY --EACH	EACH	42	42	
57	2524-6765220	RMVL OF TYPE B SIGN ASSEMBLY --EACH	EACH	2	2	
58	2524-9276010	PERFORATED SQUARE STEEL TUBE POST --LF	LF	410	410	
59	2524-9276021	PSSTP ANCHOR, BRK-AWAY SOIL INSTALLATION --EACH	EACH	17	17	
60	2524-9325001	TYPE A SIGN, SHEET ALUM --SF	SF	340	340	
61	2526-8285000	CONSTRUCTION SURVEY --LS	LS	1	1	
62	2527-9263117	PAINTED PAV'T MARK, DURABLE --STA	STA	328	328	
63	2527-9263118	PAINTED PAV'T MARK, METHYL METHACRYLATE (MMA) --STA	STA	139	139	
64	2527-9263146	PAINTED SYMBOL+LEGEND, METHYL METHACRYLATE (MMA) --EACH	EACH	44	44	
65	2527-9263180	PAV'T MARK RMVD --STA	STA	374	374	
66	2527-9263190	SYMBOL+LEGEND RMVD --EACH	EACH	40	40	
67	2527-9270111	GROOVE CUT - PAV'T MARK --STA	STA	467	467	
68	2527-9270120	GROOVE CUT - SYMBOL+LEGEND --EACH	EACH	44	44	
69	2528-8445110	TRAFFIC CONTROL --LS	LS	1	1	
70	2533-4980005	MOBILIZATION --LS	LS	1	1	
71	2552-0000220	REPLACEMENT OF UNSUITABLE BACKFILL MAT'L --CY	CY	1750	1750	
72	2552-0000300	TRENCH COMPACTION TESTING --LS	LS	1	1	
73	2554-0112012	WATER MAIN, TRENCHED, DIP, 12" --LF	LF	50	50	
74	2554-0212020	VALVE BOX EXTENSION --EACH	EACH	9	9	
75	2554-0214000	FIRE HYDRANT ADJUSTMENT --EACH	EACH	1	1	
76	2601-2633100	MOW --ACRE	ACRE	4	4	
77	2601-2636070	HYDRAULIC SEEDING --ACRE	ACRE	4	4	
78	2602-0000309	PERIMETER+SLOPE SEDIMENT CNTL DEVICE, 9" --LF	LF	2000	2000	
79	2602-0000351	RMVL OF PERIMETER+SLOPE SEDIMNT CNTL DEV --LF	LF	2000	2000	
80	2602-0000500	OPEN-THROAT CURB INTK SED FILT, EC-602 --LF	LF	192	192	
81	2602-0000510	MAINT OF OPEN-THRT CURB INTKE SDMNT FLTR --EACH	EACH	72	72	
82	2602-0000520	RMVL OF OPEN-THRT CURB INTKE SDMNT FLTR --EACH	EACH	24	24	
83	2602-0010010	MOBILIZATION, EROSION CONTROL --EACH	EACH	10	10	
84	2610-0000120	TREE --EACH	EACH	100	100	

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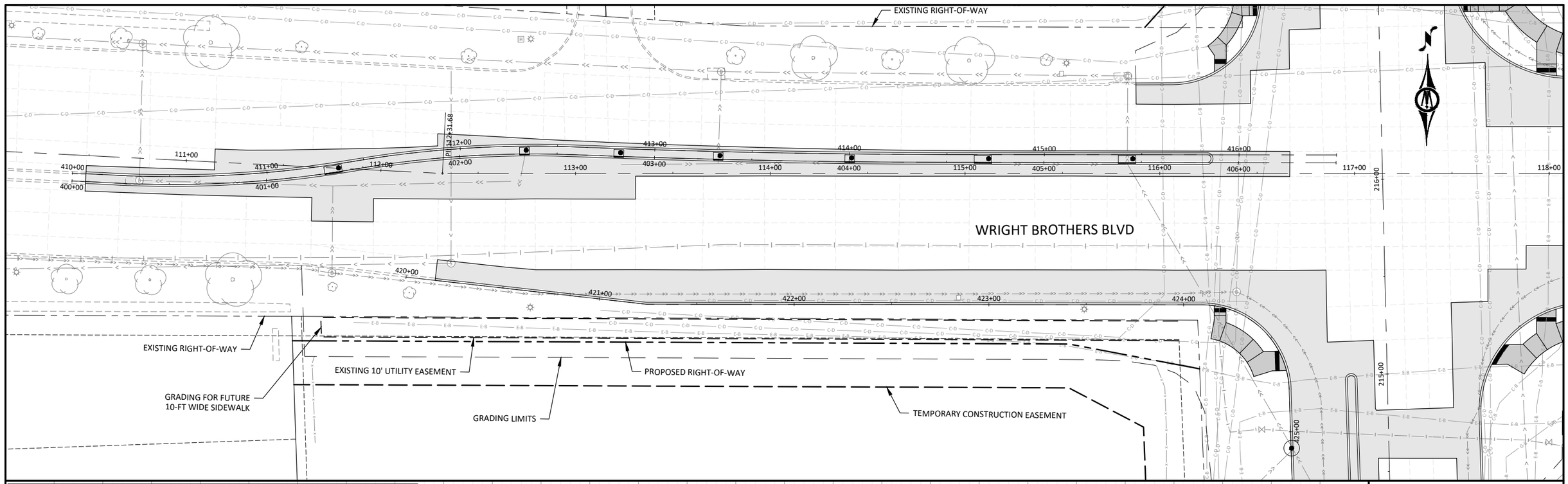

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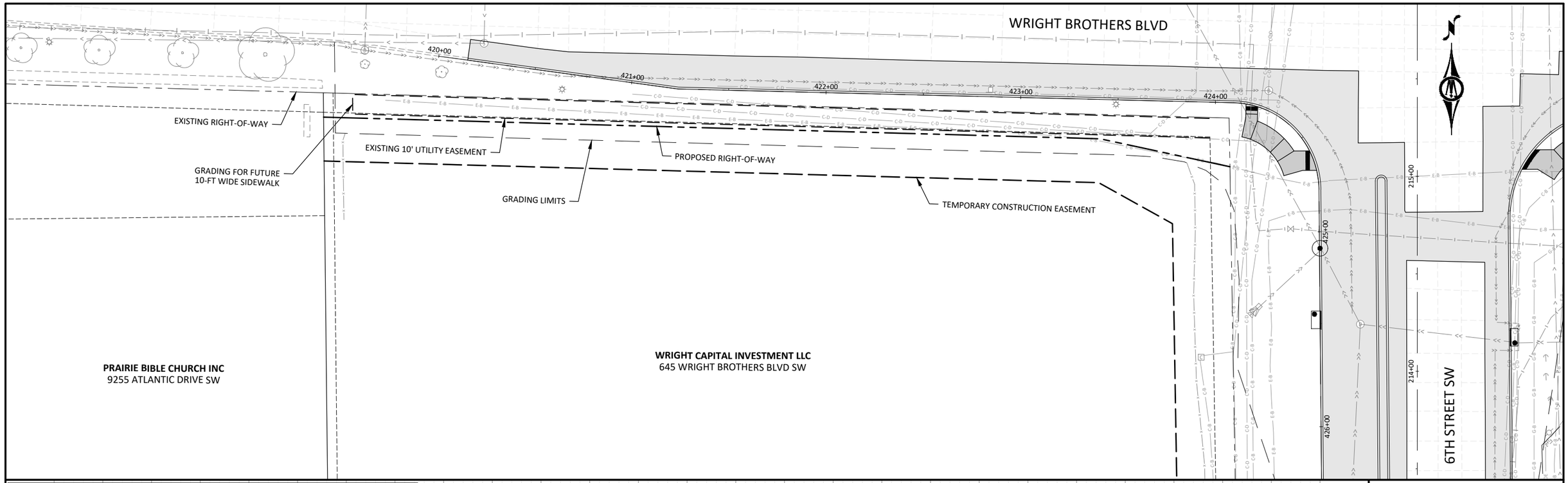
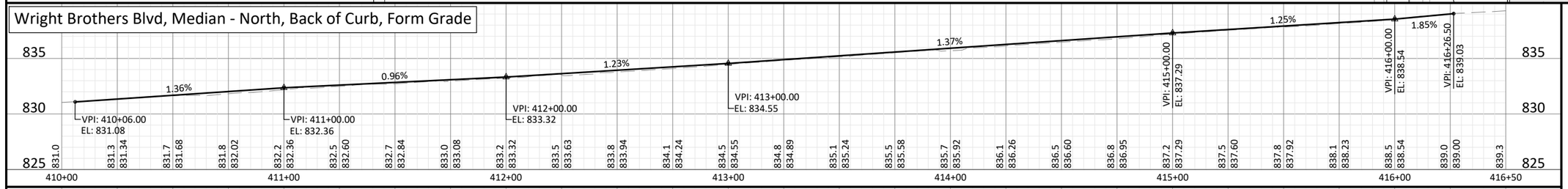
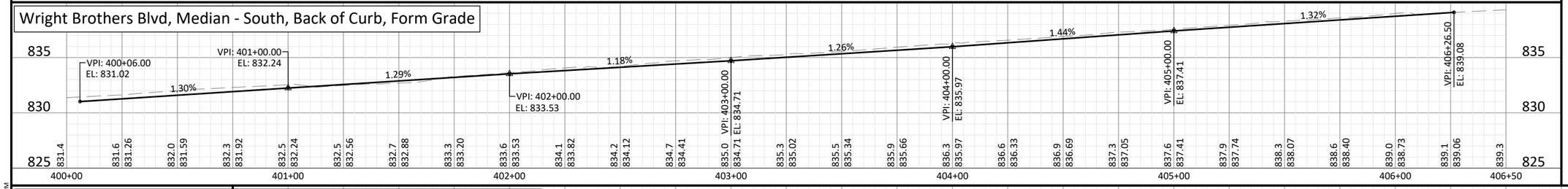
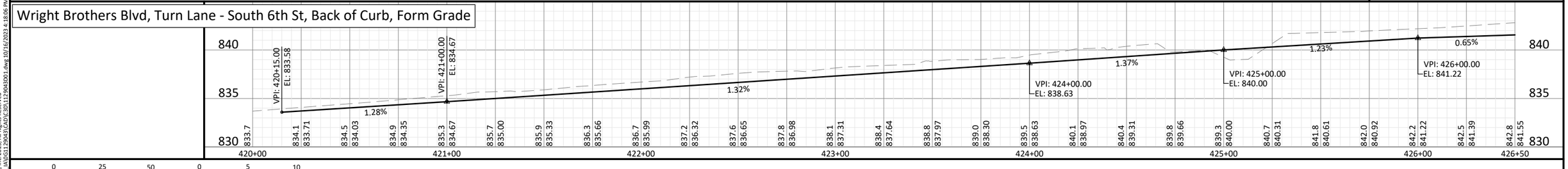
ENGLISH	IOWA DOT	DESIGN TEAM HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER 3018027-03	WRIGHT BROS BLVD - PLAN & PROFILE	SHEET NUMBER D.01	REVISED 10/16/2023









HORZ. 0 25 50 SCALE FEET

VERT. 0 5 10 SCALE FEET

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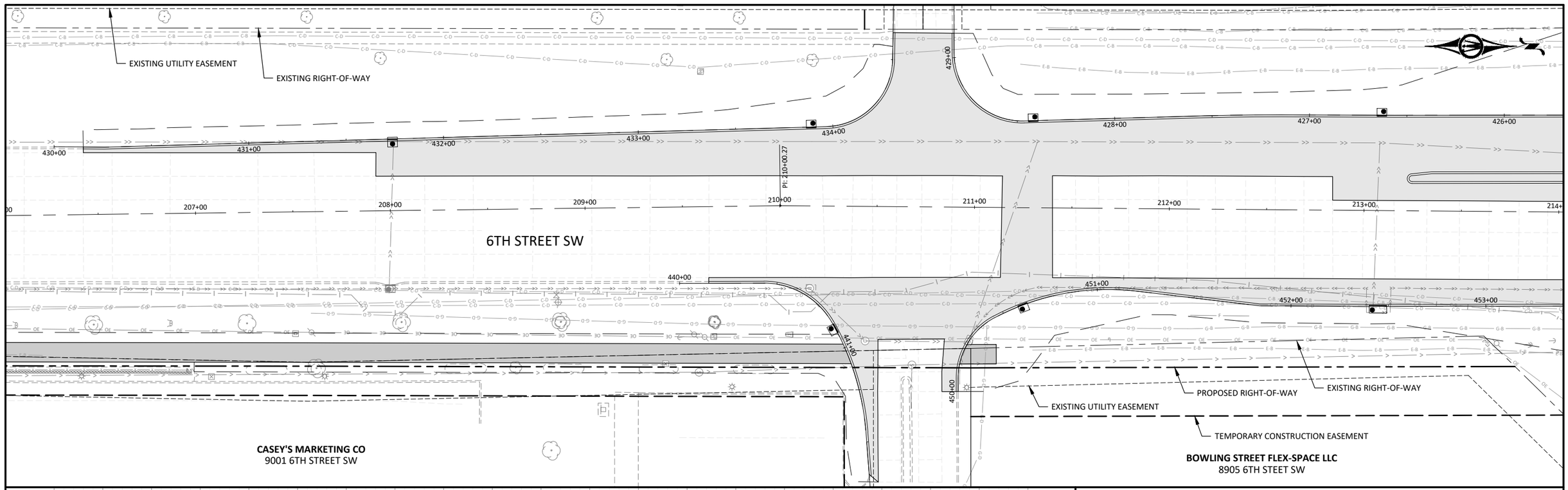
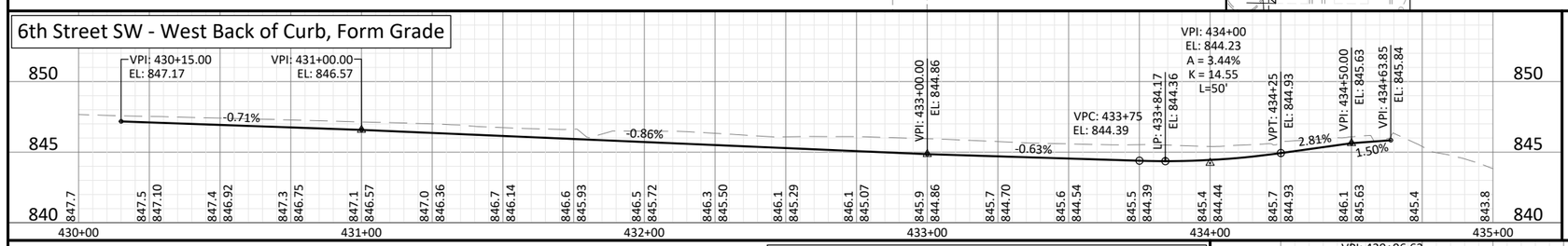
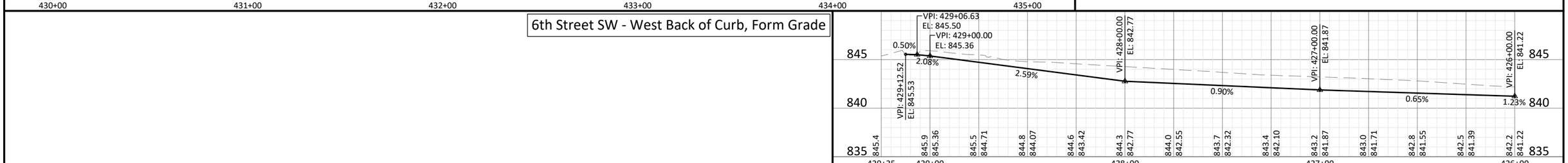
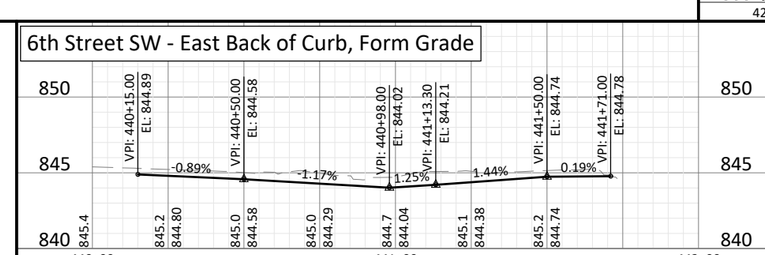
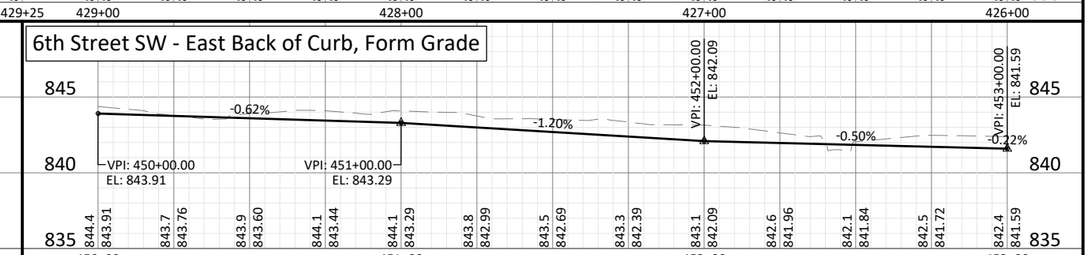
ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	WRIGHT BROS BLVD - PLAN & PROFILE	SHEET NUMBER	D.02	REVISED	10/16/2023











HORZ. 0 25 50 SCALE FEET
VERT. 0 5 10 SCALE FEET

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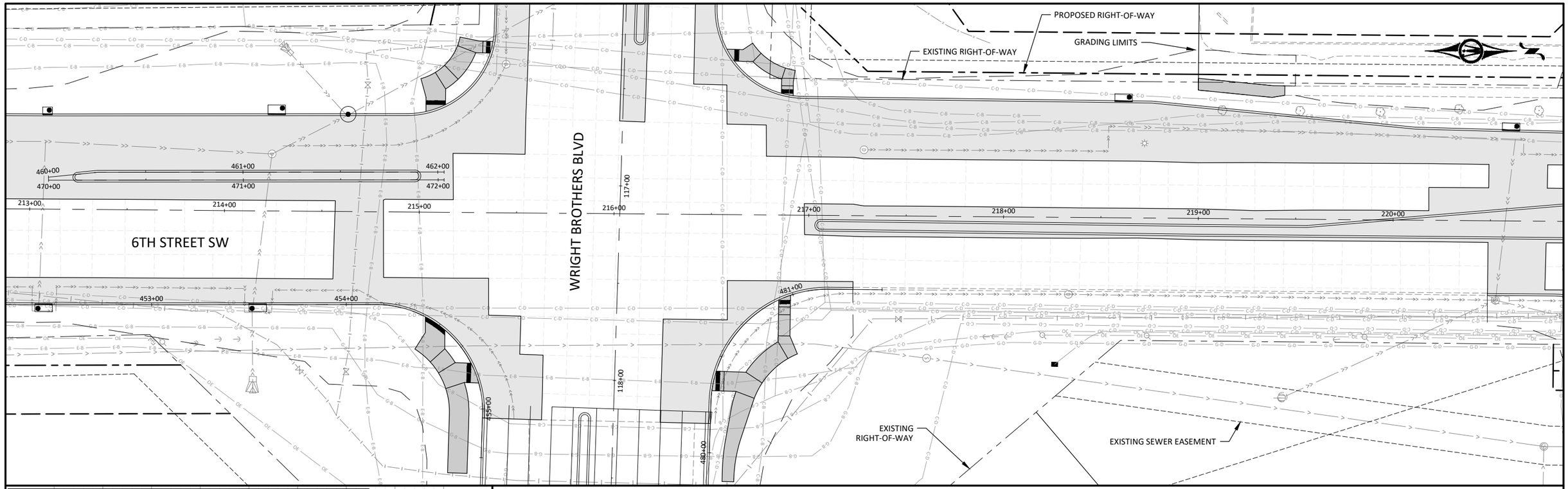
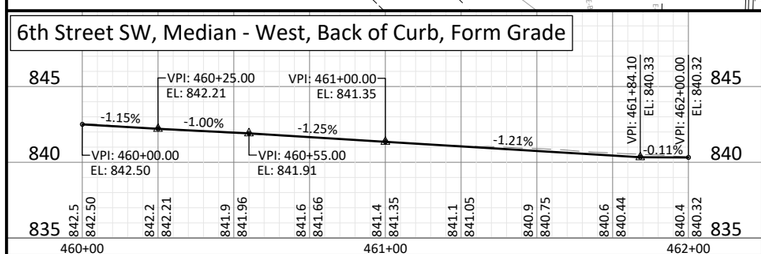
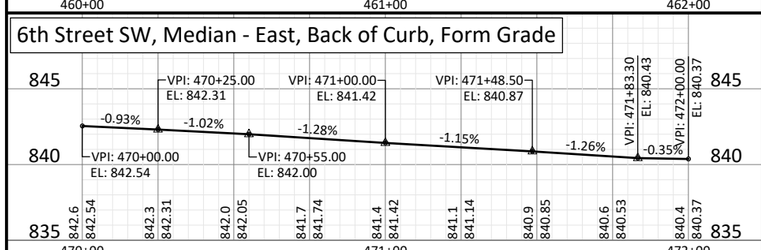
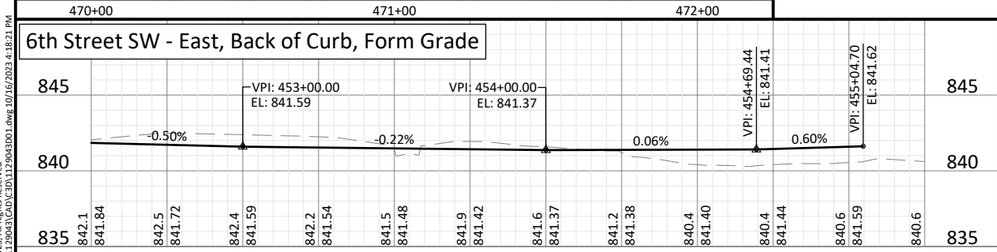
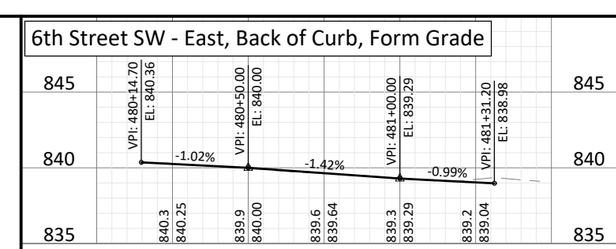
ENGLISH	IOWA DOT	DESIGN TEAM HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER 3018027-03	6TH STREET SW - PLAN & PROFILE	SHEET NUMBER D.03	REVISED 10/16/2023











HORZ. 0 25 50 SCALE FEET
VERT. 0 5 10 SCALE FEET

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ENGLISH	IOWA DOT	DESIGN TEAM HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER 3018027-03	6TH STREET SW - PLAN & PROFILE	SHEET NUMBER D.04	REVISED 10/16/2023

CASEY'S MARKETING CO
710 WRIGHT BROTHERS BLVD SW

MEERA ENTERPRISE LLC
645 AMERICA DRIVE SW

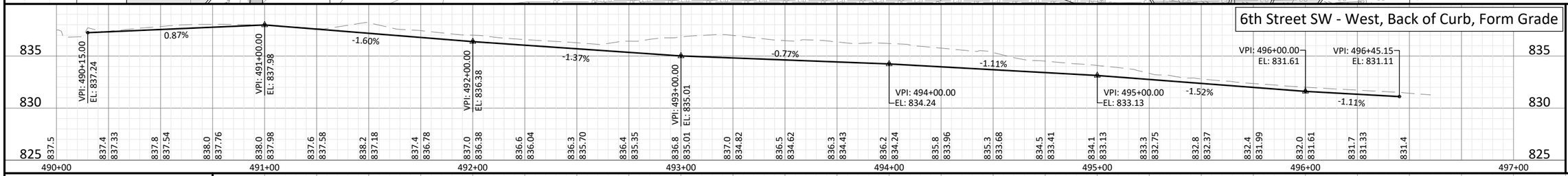
ISHAN HOSPITALITY INC
8910 6TH STREET SW

TEMPORARY CONSTRUCTION EASEMENT
PROPOSED RIGHT-OF-WAY
GRADING LIMITS
EXISTING RIGHT-OF-WAY
GRADING

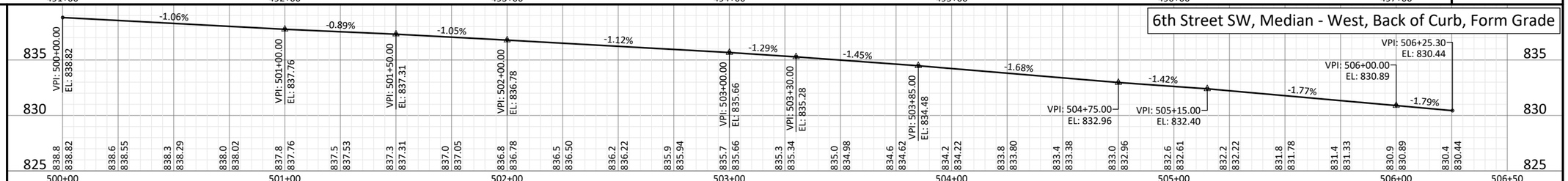
WRIGHT BROTHERS BLVD
AMERICA DR SW
6TH STREET SW

PI: 252+50.00

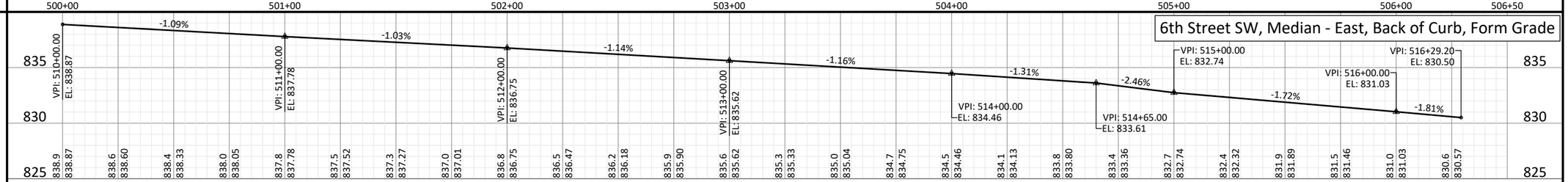
6th Street SW - West, Back of Curb, Form Grade



6th Street SW, Median - West, Back of Curb, Form Grade



6th Street SW, Median - East, Back of Curb, Form Grade



HORZ. SCALE 0 25 50 FEET
VERT. SCALE 0 5 10 FEET

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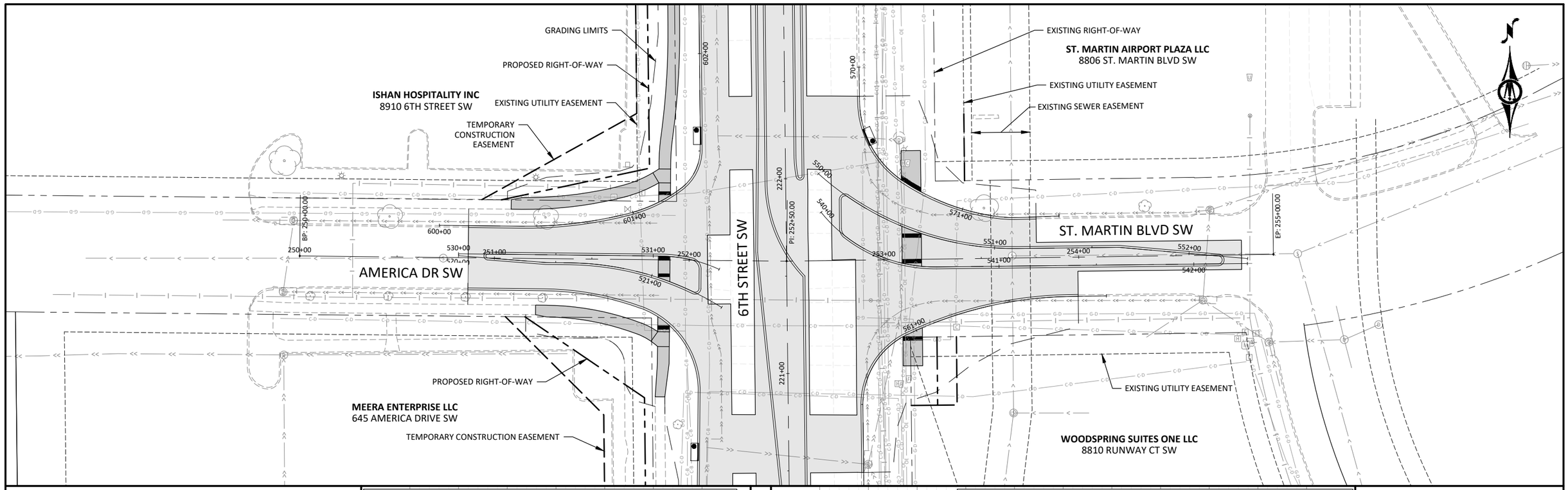
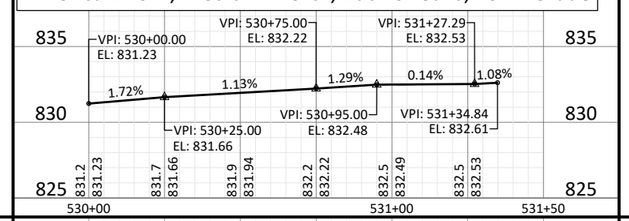
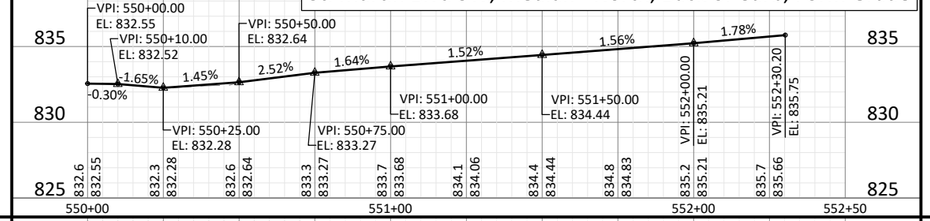
ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	6TH STREET SW - PLAN & PROFILE	SHEET NUMBER	D.05	REVISED	10/16/2023



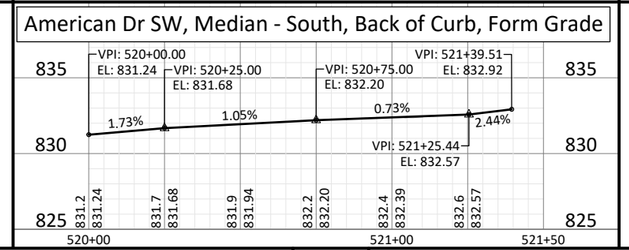
America Dr SW, Median - North, Back of Curb, Form Grade



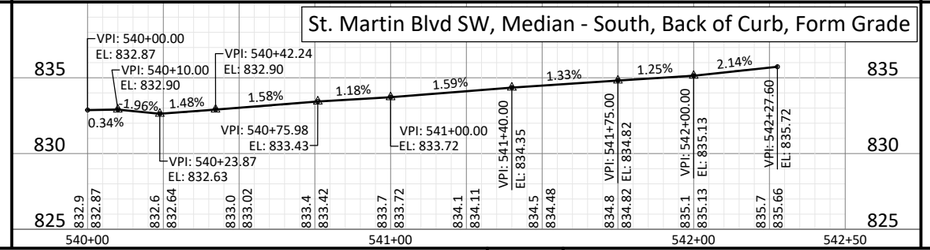
St. Martin Blvd SW, Median - North, Back of Curb, Form Grade



American Dr SW, Median - South, Back of Curb, Form Grade



St. Martin Blvd SW, Median - South, Back of Curb, Form Grade



America Dr SW - North, Back of Curb, Form Grade

6th Street SW - East, Back of Curb, Form Grade

6th Street SW - East, Back of Curb, Form Grade

HORZ. 0 25 50 SCALE FEET

VERT. 0 5 10 SCALE FEET

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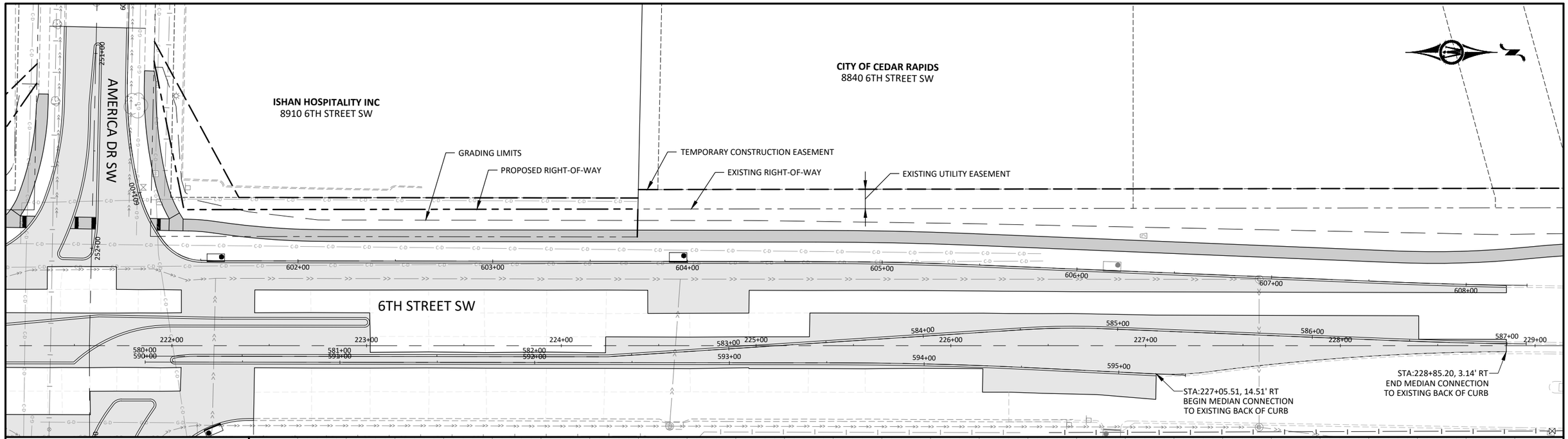
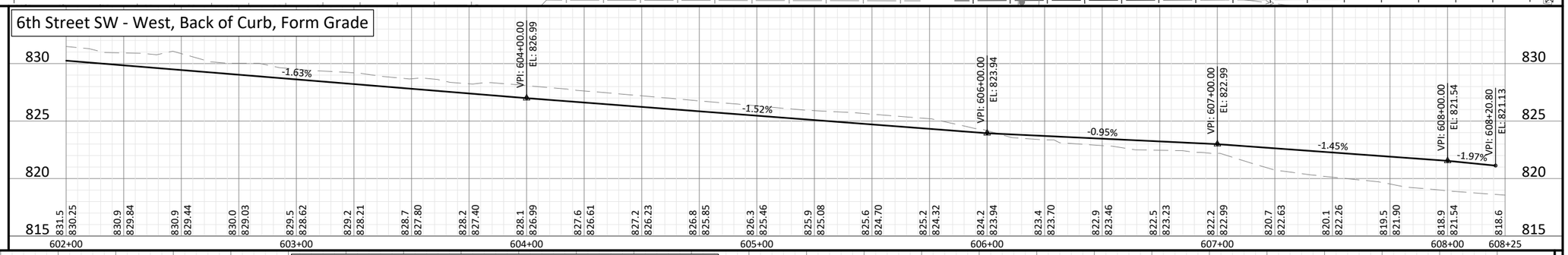
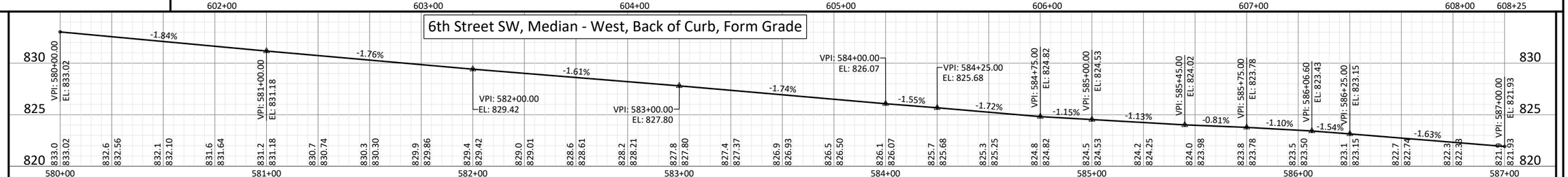
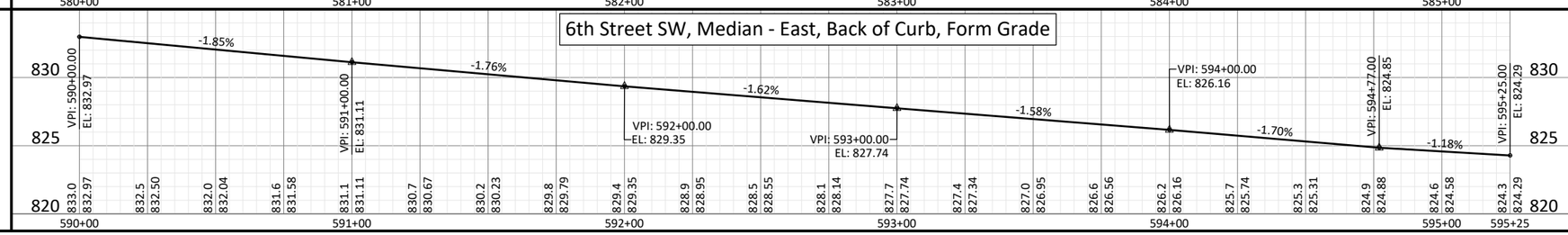
ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	AMERICA & ST MARTIN - PLAN & PROFILE	SHEET NUMBER	D.06	REVISED	10/16/2023









HORZ. 0 25 50 SCALE FEET

VERT. 0 5 10 SCALE FEET

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ENGLISH	IOWA DOT	DESIGN TEAM HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER 3018027-03	6TH STREET SW - PLAN & PROFILE	SHEET NUMBER D.07	REVISED 10/16/2023

PI: 303+38.22

PI: 306+51.69

EARHART LANE SW

303+00 304+00 305+00 306+00 307+00 308+00 309+00 310+00

610+00 611+00 612+00 613+00 614+00 615+00 616+00

143+00 144+00 145+00

WRIGHT BROTHERS BLVD

61/+00

RIGEL MARVIN W TESTAMENTARY TRUST & HERMINA B RIGEL
205 WRIGHT BROTHERS BLVD

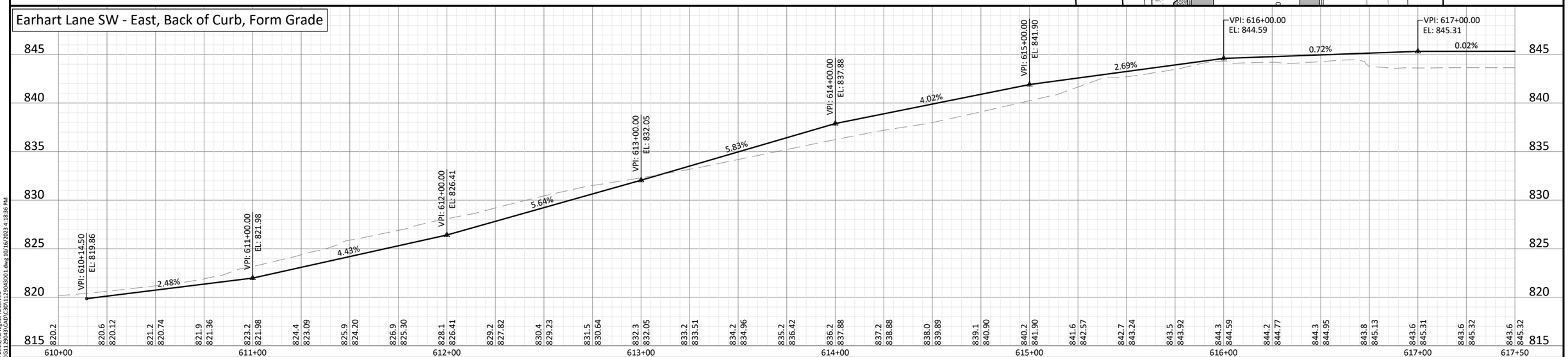
EXISTING RIGHT-OF-WAY

PROPOSED RIGHT-OF-WAY

TEMPORARY CONSTRUCTION EASEMENT

GRADING LIMITS

Earhart Lane SW - East, Back of Curb, Form Grade



HORZ. SCALE 0 25 50 FEET

VERT. SCALE 0 5 10 FEET

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ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	EARHART LANE SW - PLAN & PROFILE	SHEET NUMBER	D.08	REVISED	10/16/2023

DYER FAMILY LLC

GRADING LIMITS

TEMPORARY CONSTRUCTION EASEMENT

EXISTING RIGHT-OF-WAY

WRIGHT BROTHERS BLVD

EARHART LANE SW

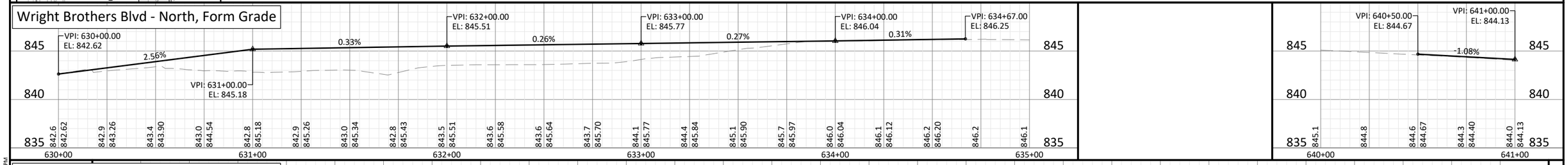
EXISTING RIGHT-OF-WAY

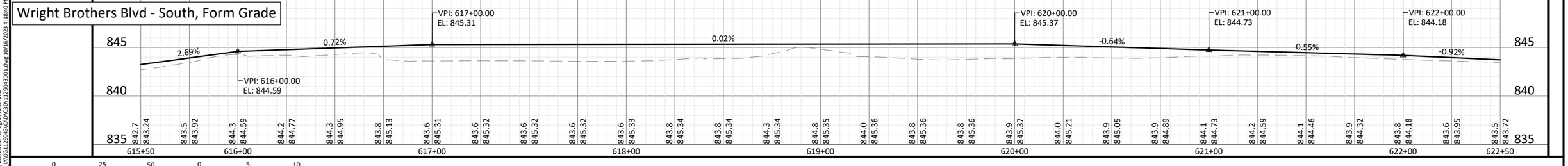
GRADING LIMITS

PROPOSED RIGHT-OF-WAY

TEMPORARY CONSTRUCTION EASEMENT

RIGEL MARVIN W TESTAMENTARY
TRUST & HERMINA B RIGEL
205 WRIGHT BROTHERS BLVD





HORZ. SCALE 0 25 50 FEET

VERT. SCALE 0 5 10 FEET

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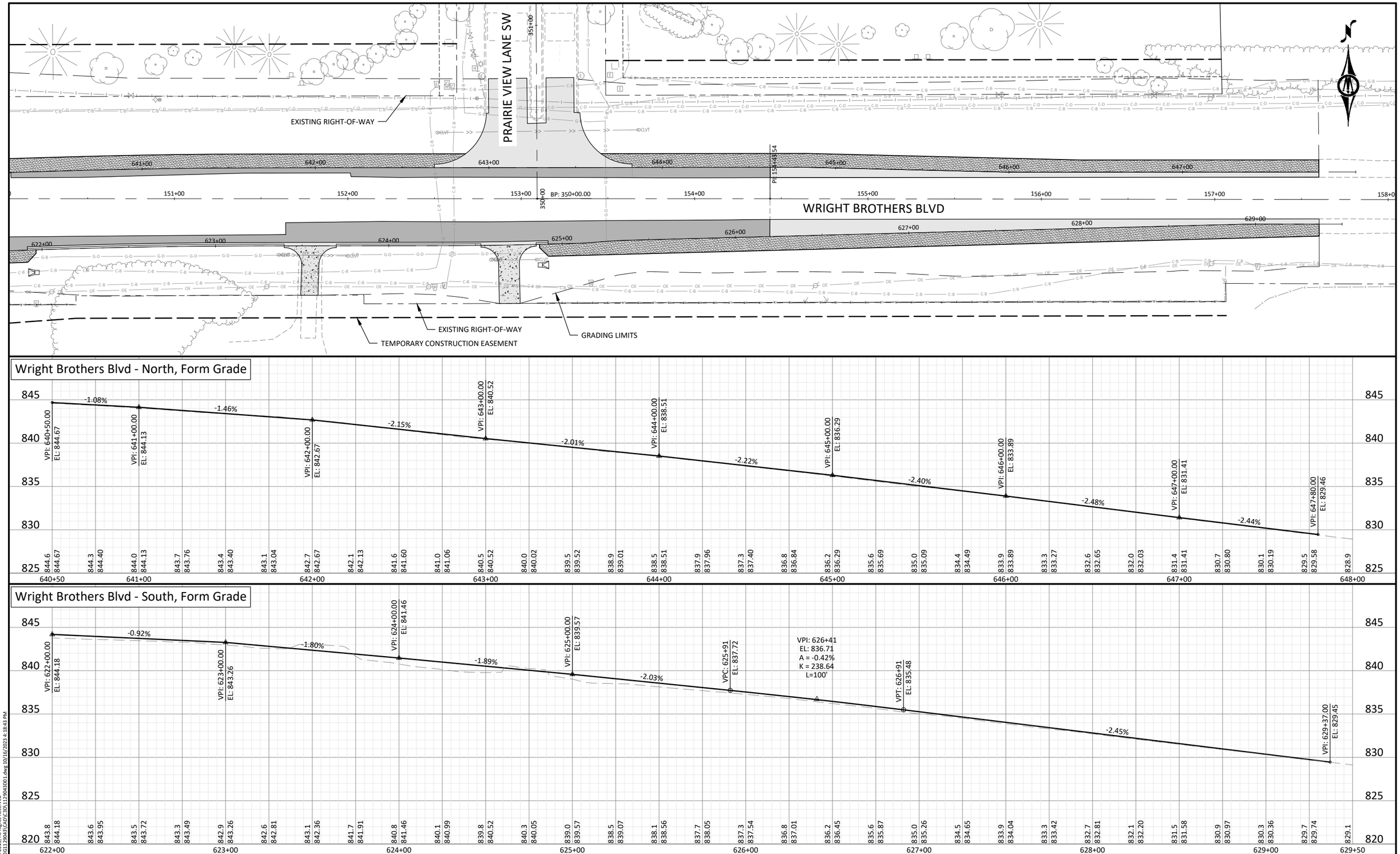
ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	WRIGHT BROS BLVD - PLAN & PROFILE	SHEET NUMBER	D.09	REVISED	10/16/2023



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ENGLISH	IOWA DOT	DESIGN TEAM HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER 3018027-03	WRIGHT BROS BLVD - PLAN & PROFILE	SHEET NUMBER D.10	REVISED 10/16/2023

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ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	REFERENCES & BENCHMARKS	SHEET NUMBER	G.01	REVISED	10/16/2023

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ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	REFERENCES & BENCHMARKS	SHEET NUMBER	G.02	REVISED	10/16/2023

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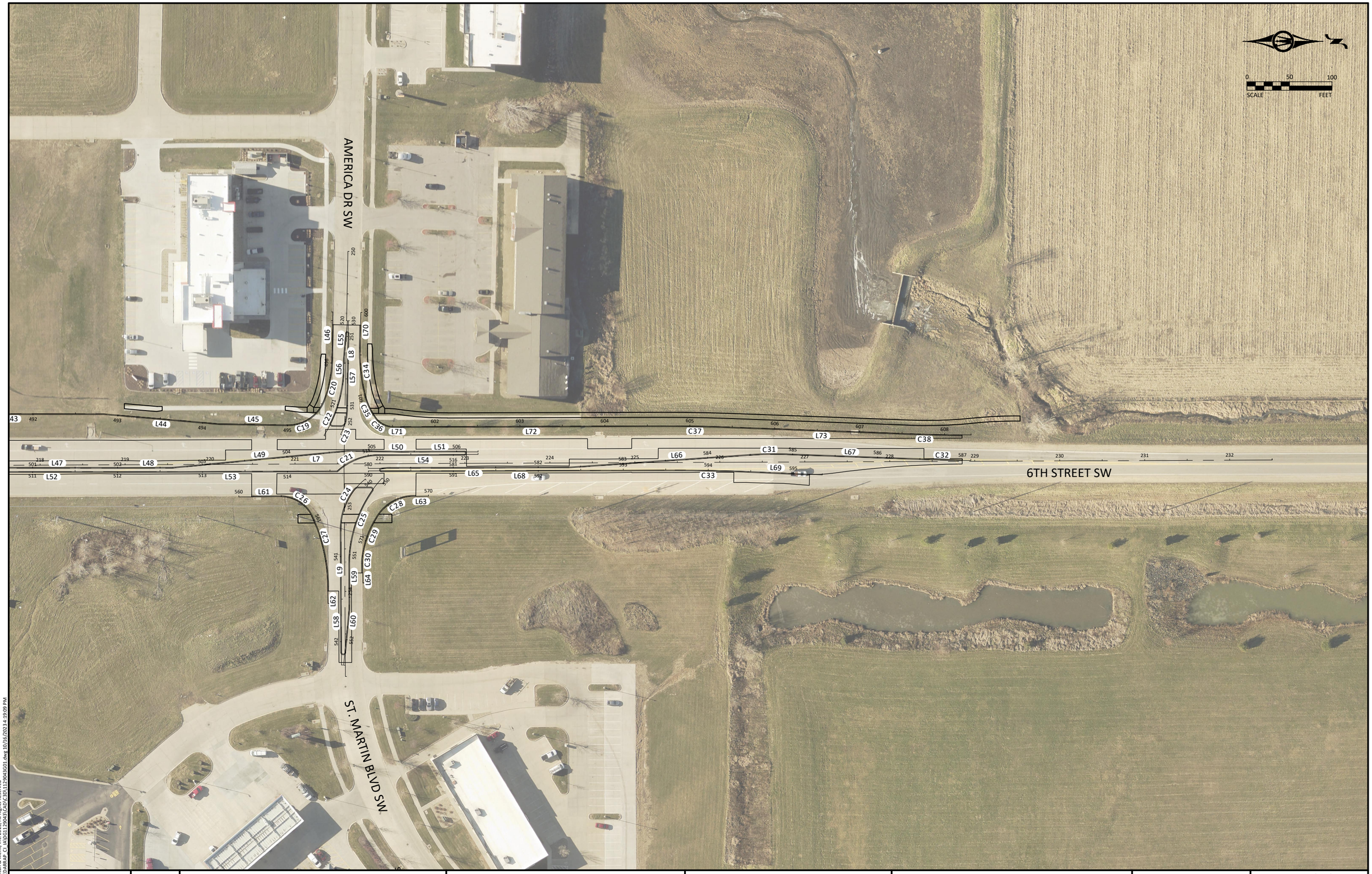
ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	REFERENCES & BENCHMARKS	SHEET NUMBER	G.03	REVISED	10/16/2023



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ENGLISH	IOWA DOT	DESIGN TEAM HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER 3018027-03	REFERENCES & BENCHMARKS	SHEET NUMBER G.04	REVISED 10/16/2023

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ENGLISH	IOWA DOT	DESIGN TEAM HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER 3018027-03	REFERENCES & BENCHMARKS	SHEET NUMBER G.05	REVISED 10/16/2023

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ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	REFERENCES & BENCHMARKS	SHEET NUMBER	G.06	REVISED	10/16/2023

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ENGLISH	IOWA DOT	DESIGN TEAM HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER 3018027-03	REFERENCES & BENCHMARKS	SHEET NUMBER G.07	REVISED 10/16/2023

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ENGLISH	IOWA DOT	DESIGN TEAM HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER 3018027-03	REFERENCES & BENCHMARKS	SHEET NUMBER G.08	REVISED 10/16/2023

WRIGHT BROTHERS - MAINLINE

NUMBER	START STATION	END STATION	LENGTH	DELTA	RADIUS	CHORD	START N	START E	END N	END E	LINE / CHORD DIRECTION
L1	100+00	100+87.25	87.25				8020984.90	20495742.51	8020983.55	20495829.75	S89° 06' 36"E
C1	100+87.25	102+51.93	164.68	2°41'45"	3500.00	164.66	8020983.55	20495829.75	8020977.12	20495994.29	S87° 45' 43"E
L2	102+51.93	112+31.68	979.75				8020977.12	20495994.29	8020915.84	20496972.12	S86° 24' 51"E
L3	112+31.68	154+43.54	4211.85				8020915.84	20496972.12	8020864.41	20501183.66	S89° 18' 01"E
L4	154+43.54	164+00	956.46				8020864.41	20501183.66	8020851.37	20502140.04	S89° 13' 08"E

6TH STREET - MAINLINE

NUMBER	START STATION	END STATION	LENGTH	DELTA	RADIUS	CHORD	START N	START E	END N	END E	LINE / CHORD DIRECTION
L5	200+00	205+37.18	537.18				8019307.33	20497483.55	8019844.47	20497476.53	N0° 44' 57"W
L6	205+37.18	210+00.27	463.09				8019844.47	20497476.53	8020307.32	20497461.61	N1° 50' 47"W
L7	210+00.27	232+50	2249.73				8020307.32	20497461.61	8022556.90	20497435.89	N0° 39' 18"W

AMERICA DRIVE TO ST. MARTIN BLVD

NUMBER	START STATION	END STATION	LENGTH	DELTA	RADIUS	CHORD	START N	START E	END N	END E	LINE / CHORD DIRECTION
L8	250+00	252+50	250.00				8021467.37	20497198.39	8021464.66	20497448.38	S89° 22' 39"E
L9	252+50	255+00	250.00				8021464.66	20497448.38	8021468.15	20497698.35	N89° 11' 59"E

EARHART LANE - MAINLINE

NUMBER	START STATION	END STATION	LENGTH	DELTA	RADIUS	CHORD	START N	START E	END N	END E	LINE / CHORD DIRECTION
L10	300+00	303+33.22	333.22				8019996.85	20500091.97	8020330.07	20500092.26	N0° 02' 58"E
L11	303+33.22	306+51.69	318.47				8020330.07	20500092.26	8020648.46	20500099.63	N1° 19' 34"E
L12	306+51.69	316+00	948.31				8020648.46	20500099.63	8021596.75	20500094.44	N0° 18' 49"W

PRAIRIE VIEW LANE

NUMBER	START STATION	END STATION	LENGTH	DELTA	RADIUS	CHORD	START N	START E	END N	END E	LINE / CHORD DIRECTION
L13	350+00	351+50	150.00				8020866.05	20501049.38	8021016.04	20501050.33	N0° 21' 46"E

WRIGHTBROSMEDIAN_SOUTHBOC

NUMBER	START STATION	END STATION	LENGTH	DELTA	RADIUS	CHORD	START N	START E	END N	END E	LINE / CHORD DIRECTION
L14	400+00	400+23.56	23.56				8020914.40	20496781.87	8020912.93	20496805.39	S86° 25' 31"E
C2	400+23.56	401+45.95	122.39	12°34'00"	558.00	122.14	8020912.93	20496805.39	8020918.70	20496927.39	N87° 17' 29"E
C3	401+45.95	402+58.74	112.79	11°56'45"	541.00	112.59	8020918.70	20496927.39	8020924.63	20497039.83	N86° 58' 52"E
C4	402+58.74	404+51.73	192.99	2°11'32"	5044.00	192.98	8020924.63	20497039.83	8020918.37	20497232.71	S88° 08' 32"E
L15	404+51.73	406+50	198.27				8020918.37	20497232.71	8020915.74	20497430.95	S89° 14' 18"E

WRIGHTBROSMEDIAN_NORTHBOC

NUMBER	START STATION	END STATION	LENGTH	DELTA	RADIUS	CHORD	START N	START E	END N	END E	LINE / CHORD DIRECTION
L16	410+00	410+23.56	23.56				8020918.39	20496782.12	8020916.92	20496805.64	S86° 25' 31"E
C5	410+23.56	411+45.07	121.51	12°34'00"	554.00	121.26	8020916.92	20496805.64	8020922.65	20496926.77	N87° 17' 29"E
C6	411+45.07	412+58.70	113.63	11°56'45"	545.00	113.42	8020922.65	20496926.77	8020928.63	20497040.04	N86° 58' 52"E
C7	412+58.70	414+51.54	192.84	2°11'32"	5040.00	192.82	8020928.63	20497040.04	8020922.37	20497232.76	S88° 08' 32"E
L17	414+51.54	416+50	198.46				8020922.37	20497232.76	8020919.74	20497431.20	S89° 14' 18"E

WRIGHTBROSTURNLANE_6TH SOUTH

NUMBER	START STATION	END STATION	LENGTH	DELTA	RADIUS	CHORD	START N	START E	END N	END E	LINE / CHORD DIRECTION
L18	420+00	420+64.21	64.21				8020862.88	20496952.81	8020854.90	20497016.52	S82° 51' 31"E
L19	420+64.21	421+24.09	59.88				8020854.90	20497016.52	8020847.45	20497075.94	S82° 51' 31"E
L20	421+24.09	424+09.25	285.15				8020847.45	20497075.94	8020843.66	20497361.07	S89° 14' 18"E
C8	424+09.25	424+78.42	69.17	88°04'31"	45.00	62.56	8020843.66	20497361.07	8020799.58	20497405.47	S45° 12' 02"E
L21	424+78.42	426+56.11	177.68				8020799.58	20497405.47	8020621.93	20497409.07	S1° 09' 46"E
L22	426+56.11	427+14.45	58.34				8020621.93	20497409.07	8020563.60	20497409.99	S0° 54' 05"E
C9	427+14.45	427+54.04	39.60	1°50'57"	1227.00	39.60	8020563.60	20497409.99	8020524.02	20497411.25	S1° 49' 34"E
L23	427+54.04	428+46.52	92.48				8020524.02	20497411.25	8020431.65	20497415.69	S2° 45' 02"E
C10	428+46.52	429+02.45	55.93	91°33'05"	35.00	50.16	8020431.65	20497415.69	8020394.98	20497381.46	S43° 01' 31"W
L24	429+02.45	429+75	72.56				8020394.98	20497381.46	8020393.46	20497308.92	S88° 48' 03"W

6THSOUTH_WESTBOC

NUMBER	START STATION	END STATION	LENGTH	DELTA	RADIUS	CHORD	START N	START E	END N	END E	LINE / CHORD DIRECTION
L25	430+00	430+25.88	25.88				8019933.94	20497438.60	8019959.81	20497438.36	N0° 32' 44"W
L26	430+25.88	433+96.67	370.79				8019959.81	20497438.36	8020330.17	20497420.56	N2° 45' 02"W
C11	433+96.67	434+49.96	53.30	87°14'58"	35.00	48.30	8020330.17	20497420.56	8020363.50	20497385.60	N46° 22' 31"W
L27	434+49.96	434+57.52	7.55				8020363.50	20497385.60	8020363.50	20497378.05	N90° 00' 00"W
L28	434+57.52	434+63.78	6.27				8020363.50	20497378.05	8020363.49	20497371.78	S89° 58' 53"W
L29	434+63.78	435+25	61.22				8020363.49	20497371.78	8020363.47	20497310.57	S89° 58' 53"W

6THSOUTH_EASTBOC

NUMBER	START STATION	END STATION	LENGTH	DELTA	RADIUS	CHORD	START N	START E	END N	END E	LINE / CHORD DIRECTION
L30	440+00	440+43.36	43.36				8020256.38	20497502.46	8020299.73	20497501.50	N1° 16' 31"W
C12	440+43.36	440+85.23	41.87	59°58'38"	40.00	39.99	8020299.73	20497501.50	8020334.80	20497520.71	N28° 42' 48"E
C13	440+85.23	441+44.98	59.75	25°44'22"	133.00	59.25	8020334.80	20497520.71	8020353.53	20497576.92	N71° 34' 18"E
L31	441+44.98	441+81.72	36.73				8020353.53	20497576.92	8020357.08	20497613.48	N84° 26' 29"E

6THSOUTH_EASTBOC2

NUMBER	START STATION	END STATION	LENGTH	DELTA	RADIUS	CHORD	START N	START E	END N	END E	LINE / CHORD DIRECTION
L32	450+00	450+06.89	6.89				8020400.44	20497555.13	8020400.31	20497548.25	S88° 54' 06"W
C14	450+06.89	450+44.79	37.90	62°02'35"	35.00	36.08	8020400.31	20497548.25	8020418.30	20497516.98	N60° 04' 37"W
C15	450+44.79	451+20.64	75.85	34°45'57"	125.00	74.69	8020418.30	20497516.98	8020491.45	20497501.87	N11° 40' 21"W
L33	451+20.64	451+83.78	63.15				8020491.45	20497501.87	8020554.28	20497508.15	N5° 42' 38"E
L34	451+83.78	452+53.20	69.42				8020554.28	20497508.15	8020623.70	20497507.06	N0° 54' 25"W
L35	452+53.20	454+14.95	161.75				8020623.70	20497507.06	8020785.41	20497503.77	N1° 09' 46"W
C16	454+14.95	455+03.25	88.29	91°58'38"	55.00	79.11	8020785.41	20497503.77	8020841.52	20497559.54	N44° 49' 33"E
L36	455+03.25	455+25	21.76				8020841.52	20497559.54	8020841.21	20497581.30	S89° 11' 08"E

6THSOUTHMEDIAN_WESTBOC

NUMBER	START STATION	END STATION	LENGTH	DELTA	RADIUS	CHORD	START N	START E	END N	END E	LINE / CHORD DIRECTION
L37	460+00	460+25.27	25.27				8020616.30	20497441.67	8020641.39	20497438.68	N6° 47' 21"W
L38	460+25.27	462+03.30	178.03				8020641.39	20497438.68	8020819.38	20497435.07	N1° 09' 46"W

6THSOUTHMEDIAN_EASTBOC

NUMBER	START STATION	END STATION	LENGTH	DELTA	RADIUS	CHORD	START N	START E	END N	END E	LINE / CHORD DIRECTION
L39	470+00	472+03.11	203.11				8020616.40	20497443.19	8020819.47	20497439.07	N1° 09' 46"W

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6THMIDDLE_EASTBOC											
NUMBER	START STATION	END STATION	LENGTH	DELTA	RADIUS	CHORD	START N	START E	END N	END E	LINE / CHORD DIRECTION
L40	480+00	480+25.92	25.92				8020958.31	20497576.48	8020958.65	20497550.57	N89° 14' 18"W
C17	480+25.92	481+18.75	92.83	88°39'00"	60.00	83.85	8020958.65	20497550.57	8021018.03	20497491.37	N44° 54' 48"W
L41	481+18.75	481+46.13	27.38				8021018.03	20497491.37	8021045.41	20497491.09	N0° 35' 17"W

6THMIDDLE_WESTBOC											
NUMBER	START STATION	END STATION	LENGTH	DELTA	RADIUS	CHORD	START N	START E	END N	END E	LINE / CHORD DIRECTION
L42	490+00	490+33.66	33.66				8020958.04	20497313.71	8020957.82	20497347.37	S89° 37' 11"E
C18	490+33.66	491+04.92	71.25	90°43'31"	45.00	64.04	8020957.82	20497347.37	8021003.09	20497392.67	N45° 01' 05"E
L43	491+04.92	492+83.95	179.03				8021003.09	20497392.67	8021182.12	20497391.59	N0° 20' 41"W
L44	492+83.95	494+19.76	135.81				8021182.12	20497391.59	8021317.50	20497402.31	N4° 31' 30"E
L45	494+19.76	495+00.13	80.37				8021317.50	20497402.31	8021397.86	20497402.96	N0° 27' 53"E
C19	495+00.13	495+55.55	55.42	70°33'48"	45.00	51.98	8021397.86	20497402.96	8021440.54	20497373.28	N34° 49' 01"W
C20	495+55.55	496+05.94	50.39	19°14'51"	150.00	50.15	8021440.54	20497373.28	8021449.49	20497323.93	N79° 43' 23"W
L46	496+05.94	496+60.13	54.19				8021449.49	20497323.93	8021450.11	20497269.74	N89° 20' 49"W

6THMIDDLEMEDIAN_WESTBOC											
NUMBER	START STATION	END STATION	LENGTH	DELTA	RADIUS	CHORD	START N	START E	END N	END E	LINE / CHORD DIRECTION
L47	500+00	502+08.17	208.17				8020998.18	20497456.70	8021206.35	20497455.45	N0° 20' 41"W
L48	502+08.17	502+64.72	56.55				8021206.35	20497455.45	8021262.89	20497454.86	N0° 36' 01"W
L49	502+64.72	504+72.20	207.48				8021262.89	20497454.86	8021469.28	20497433.54	N5° 53' 53"W
L50	504+72.20	505+35.48	63.27				8021469.28	20497433.54	8021532.54	20497434.05	N0° 27' 53"E
L51	505+35.48	506+25.27	89.79				8021532.54	20497434.05	8021622.33	20497433.13	N0° 35' 06"W

6THMIDDLEMEDIAN_EASTBOC											
NUMBER	START STATION	END STATION	LENGTH	DELTA	RADIUS	CHORD	START N	START E	END N	END E	LINE / CHORD DIRECTION
L52	510+00	512+08.18	208.18				8020998.20	20497460.70	8021206.38	20497459.45	N0° 20' 41"W
L53	512+08.18	514+58.47	250.29				8021206.38	20497459.45	8021456.66	20497456.83	N0° 36' 01"W
C21	514+58.47	515+12.01	53.53	42°35'57"	72.00	52.31	8021456.66	20497456.83	8021505.19	20497437.33	N21° 53' 06"W
L54	515+12.01	516+29.15	117.14				8021505.19	20497437.33	8021622.33	20497436.13	N0° 35' 07"W

AMERICAMEDIAN_SOUTHBOC											
NUMBER	START STATION	END STATION	LENGTH	DELTA	RADIUS	CHORD	START N	START E	END N	END E	LINE / CHORD DIRECTION
L55	520+00	520+45.07	45.07				8021467.49	20497279.98	8021463.98	20497324.91	S85° 31' 59"E
L56	520+45.07	520+57.19	12.12				8021463.98	20497324.91	8021463.84	20497337.03	S89° 20' 49"E
C22	520+57.19	521+39.51	82.32	31°26'42"	150.00	81.29	8021463.84	20497337.03	8021440.92	20497415.02	S73° 37' 28"E

AMERICAMEDIAN_NORTHBOC											
NUMBER	START STATION	END STATION	LENGTH	DELTA	RADIUS	CHORD	START N	START E	END N	END E	LINE / CHORD DIRECTION
L57	530+00	531+03.42	103.42				8021468.49	20497279.95	8021467.31	20497383.36	S89° 20' 49"E
C23	531+03.42	531+34.84	31.42	24°00'21"	75.00	31.19	8021467.31	20497383.36	8021460.48	20497413.80	S77° 20' 39"E

STMARTINMEDIAN_SOUTHBOC											
NUMBER	START STATION	END STATION	LENGTH	DELTA	RADIUS	CHORD	START N	START E	END N	END E	LINE / CHORD DIRECTION
C24	540+00	540+67.97	67.97	51°55'45"	75.00	65.67	8021489.81	20497466.10	8021461.70	20497525.45	S64° 39' 52"E
L58	540+67.97	542+27.55	159.57				8021461.70	20497525.45	8021463.46	20497685.01	N89° 22' 16"E

STMARTINMEDIAN_NORTHBOC											
NUMBER	START STATION	END STATION	LENGTH	DELTA	RADIUS	CHORD	START N	START E	END N	END E	LINE / CHORD DIRECTION
C25	550+00	551+11.46	111.46	42°34'33"	150.00	108.92	8021509.58	20497464.74	8021471.16	20497566.65	S69° 20' 27"E
L59	551+11.46	551+64.09	52.63				8021471.16	20497566.65	8021471.73	20497619.28	N89° 22' 16"E
L60	551+64.09	552+30.18	66.08				8021471.73	20497619.28	8021465.98	20497685.11	S85° 00' 03"E

STMARTIN_SOUTHBOC											
NUMBER	START STATION	END STATION	LENGTH	DELTA	RADIUS	CHORD	START N	START E	END N	END E	LINE / CHORD DIRECTION
L61	560+00	560+49.34	49.34				8021341.10	20497488.12	8021390.43	20497487.56	N0° 38' 50"W
C26	560+49.34	560+94.80	45.47	65°07'28"	40.00	43.06	8021390.43	20497487.56	8021426.98	20497510.32	N31° 54' 03"E
C27	560+94.80	561+80.55	85.75	24°33'55"	200.00	85.09	8021426.98	20497510.32	8021446.49	20497593.14	N76° 44' 44"E
L62	561+80.55	562+00	19.45				8021446.49	20497593.14	8021446.82	20497612.59	N89° 01' 41"E

STMARTIN_NORTHBOC											
NUMBER	START STATION	END STATION	LENGTH	DELTA	RADIUS	CHORD	START N	START E	END N	END E	LINE / CHORD DIRECTION
L63	570+00	570+17.53	17.53				8021564.36	20497485.52	8021546.83	20497485.86	S1° 05' 52"E
C28	570+17.53	570+66.06	48.53	55°36'28"	50.00	46.64	8021546.83	20497485.86	8021505.84	20497508.13	S28° 30' 51"E
C29	570+66.06	571+17.93	51.87	25°50'40"	115.00	51.43	8021505.84	20497508.13	8021487.61	20497556.22	S69° 14' 24"E
C30	571+17.93	571+27.06	9.13	8°42'53"	60.00	9.12	8021487.61	20497556.22	8021487.06	20497565.32	S86° 31' 10"E
L64	571+27.06	571+50	22.94				8021487.06	20497565.32	8021487.86	20497588.25	N88° 00' 31"E

6THNORTHMEDIAN_WESTBOC											
NUMBER	START STATION	END STATION	LENGTH	DELTA	RADIUS	CHORD	START N	START E	END N	END E	LINE / CHORD DIRECTION
L65	580+00	582+37.82	237.82				8021493.18	20497453.45	8021730.98	20497451.03	N0° 35' 07"W
L66	582+37.82	584+51.19	213.37				8021730.98	20497451.03	8021943.73	20497434.73	N4° 22' 43"W
C31	584+51.19	584+93.55	42.36	6°04'06"	400.00	42.34	8021943.73	20497434.73	8021986.06	20497433.74	N1° 20' 40"W
L67	584+93.55	586+41.92	148.37				8021986.06	20497433.74	8022134.37	20497438.12	N1° 41' 22"E
C32	586+41.92	587+09.89	67.97	1°55'16"	2027.00	67.96	8022134.37	20497438.12	8022202.33	20497438.98	N0° 43' 44"E

6THNORTHMEDIAN_EASTBOC											
NUMBER	START STATION	END STATION	LENGTH	DELTA	RADIUS	CHORD	START N	START E	END N	END E	LINE / CHORD DIRECTION
L68	590+00	593+56.56	356.56				8021493.36	20497456.45	8021849.90	20497452.81	N0° 35' 07"W
C33	593+56.56	594+53.94	97.39	2°45'10"	2027.00	97.38	8021849.90	20497452.81	8021947.27	20497454.15	N0° 47' 28"E
L69	594+53.94	595+34.29	80.35				8021947.27	20497454.15	8022027.56	20497457.19	N2° 10' 03"E

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6THNORTH_WESTBOC											
NUMBER	START STATION	END STATION	LENGTH	DELTA	RADIUS	CHORD	START N	START E	END N	END E	LINE / CHORD DIRECTION
L70	600+00	600+41.85	41.85				8021483.10	20497270.12	8021482.63	20497311.97	S89° 20' 49"E
C34	600+41.85	600+97.96	56.10	14°57'05"	215.00	55.95	8021482.63	20497311.97	8021489.27	20497367.52	N83° 10' 38"E
C35	600+97.96	601+27.45	29.49	22°31'53"	75.00	29.30	8021489.27	20497367.52	8021501.92	20497393.95	N64° 26' 08"E
C36	601+27.45	601+50.45	23.00	52°42'19"	25.00	22.19	8021501.92	20497393.95	8021521.73	20497403.97	N26° 49' 03"E
L71	601+50.45	601+61.04	10.59				8021521.73	20497403.97	8021532.32	20497404.05	N0° 27' 53"E
L72	601+61.04	604+65.99	304.95				8021532.32	20497404.05	8021837.26	20497400.94	N0° 35' 07"W
C37	604+65.99	605+46.47	80.48	2°16'30"	2027.00	80.48	8021837.26	20497400.94	8021917.73	20497401.71	N0° 33' 08"E
L73	605+46.47	607+64.10	217.62				8021917.73	20497401.71	8022135.26	20497408.13	N1° 41' 22"E
C38	607+64.10	608+31.28	67.18	1°55'39"	1997.00	67.18	8022135.26	20497408.13	8022202.43	20497408.98	N0° 43' 33"E

EARHART_EAST-WRIGHT_SOUTH-BOC_EOC											
NUMBER	START STATION	END STATION	LENGTH	DELTA	RADIUS	CHORD	START N	START E	END N	END E	LINE / CHORD DIRECTION
C39	610+00	611+01.55	101.55	5°33'16"	1047.51	101.51	8020251.57	20500108.44	8020353.06	20500110.58	N1° 12' 32"E
L74	611+01.55	613+13.73	212.18				8020353.06	20500110.58	8020564.73	20500125.33	N3° 59' 10"E
C40	613+13.73	613+98.17	84.44	4°32'42"	1064.50	84.42	8020564.73	20500125.33	8020649.11	20500127.85	N1° 42' 48"E
L75	613+98.17	615+36.68	138.50				8020649.11	20500127.85	8020787.61	20500126.50	N0° 33' 33"W
C41	615+36.68	616+08.34	71.67	91°15'01"	45.00	64.33	8020787.61	20500126.50	8020833.04	20500172.04	N45° 03' 58"E
L76	616+08.34	617+71.92	163.58				8020833.04	20500172.04	8020831.07	20500335.61	S89° 18' 31"E
L77	617+71.92	618+01.72	29.80				8020831.07	20500335.61	8020830.71	20500365.40	S89° 18' 31"E
C42	618+01.72	620+04.11	202.39	2°52'46"	4027.00	202.37	8020830.71	20500365.40	8020833.36	20500567.75	N89° 15' 05"E
L78	620+04.11	621+29.22	125.11				8020833.36	20500567.75	8020838.13	20500692.77	N87° 48' 42"E
C43	621+29.22	621+91.50	62.28	0°53'34"	3997.00	62.27	8020838.13	20500692.77	8020840.03	20500755.02	N88° 15' 29"E
C44	621+91.50	623+26.63	135.13	1°56'14"	3997.00	135.13	8020840.03	20500755.02	8020840.80	20500890.14	N89° 40' 23"E
L79	623+26.63	624+31.50	104.87				8020840.80	20500890.14	8020839.62	20500995.01	S89° 21' 31"E
C45	624+31.50	624+82.13	50.64	1°26'23"	2015.00	50.64	8020839.62	20500995.01	8020839.69	20501045.64	N89° 55' 18"E
L80	624+82.13	625+11.89	29.75				8020839.69	20501045.64	8020840.11	20501075.39	N89° 12' 06"E
L81	625+11.89	625+31.91	20.03				8020840.11	20501075.39	8020841.39	20501095.38	N86° 20' 21"E
L82	625+31.91	628+93.19	361.27				8020841.39	20501095.38	8020846.42	20501456.62	N89° 12' 06"E
L83	628+93.19	629+50	56.81				8020846.42	20501456.62	8020845.78	20501513.42	S89° 21' 16"E

EARHART_EAST-WRIGHT_NORTH-BOC_EOC											
NUMBER	START STATION	END STATION	LENGTH	DELTA	RADIUS	CHORD	START N	START E	END N	END E	LINE / CHORD DIRECTION
L84	630+00	630+41.14	41.14				8020989.13	20500136.53	8020947.99	20500136.94	S0° 33' 33"E
C46	630+41.14	631+10.84	69.70	88°44'59"	45.00	62.94	8020947.99	20500136.94	8020903.44	20500181.39	S44° 56' 02"E
L85	631+10.84	632+85.09	174.25				8020903.44	20500181.39	8020901.33	20500355.63	S89° 18' 31"E
L86	632+85.09	635+00	214.91				8020901.33	20500355.63	8020884.60	20500569.88	S85° 32' 05"E

WRIGHT EAST _ NORTH BOC											
NUMBER	START STATION	END STATION	LENGTH	DELTA	RADIUS	CHORD	START N	START E	END N	END E	LINE / CHORD DIRECTION
L87	640+00	640+45.98	45.98				8020884.41	20500721.78	8020885.30	20500767.74	N88° 53' 36"E
C47	640+45.98	641+68.89	122.91	1°44'53"	4028.40	122.90	8020885.30	20500767.74	8020885.79	20500890.65	N89° 46' 03"E
L88	641+68.89	644+83.13	314.24				8020885.79	20500890.65	8020882.28	20501204.87	S89° 21' 31"E
L89	644+83.13	646+01.10	117.97				8020882.28	20501204.87	8020878.01	20501322.76	S87° 55' 35"E
L90	646+01.10	648+00	198.90				8020878.01	20501322.76	8020875.69	20501521.65	S89° 19' 59"E

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ATLANTIC DRIVE SW

PROJECT PARCEL #101
ADDRESS: 710 WRIGHT BROTHERS BLVD
OWNER: CASEY'S MARKETING CO
ASSESSED ACRES: 1.15
GPN: 192047600400000
CLASS: COMMERCIAL

PROJECT PARCEL #103
ADDRESS: 645 AMERICA DRIVE SW
OWNER: MEERA ENTERPRISE LLC
ASSESSED ACRES: 1.67
GPN: 192047601000000
CLASS: COMMERCIAL

PROJECT PARCEL #102
ADDRESS: 710 WRIGHT BROTHERS BLVD SW
OWNER: CASEY'S MARKETING CO
ASSESSED ACRES: 1.22
GPN: 192047600300000
CLASS: COMMERCIAL

PROJECT PARCEL #106
ADDRESS: 8810 RUNWAY CT SW
OWNER: WOODSPRING SUITES ONE LLC
ASSESSED ACRES: 1.18
GPN: 192135100700000
CLASS: COMMERCIAL

PROJECT PARCEL #XXXX
ADDRESS: 8860 RUNWAY CT SW
OWNER: WOODSPRING SUITES ONE LLC
ASSESSED ACRES: 1.17
GPN: 192135100600000
CLASS: COMMERCIAL

108+00 109+00 110+00 111+00 112+00 113+00 114+00 115+00 116+00 117+00 118+00 119+00 120+00 121+00 122+00 123+00

220+00 219+00 218+00 217+00 216+00 215+00 214+00 213+00 212+00 211+00

WRIGHT BROTHERS BLVD

CITY | DOT

PROJECT PARCEL #XXXX
ADDRESS: 9255 ATLANTIC DRIVE SW
OWNER: PRAIRIE BIBLE CHURCH INC
ASSESSED ACRES: 4.00
GPN: 192910100200000
CLASS: COMMERCIAL

PROJECT PARCEL #110
ADDRESS: 645 WRIGHT BROTHERS BLVD SW
OWNER: WRIGHT CAPITAL INVESTMENT LLC
ASSESSED ACRES: 4.97
GPN: 192910100600000
CLASS: COMMERCIAL

6TH STREET SW

PROJECT PARCEL #107
ADDRESS: 8905 6TH STEET SW
OWNER: BOWLING STREET FLEX-SPACE LLC
ASSESSED ACRES: 4.88
GPN: 192822601000000
CLASS: COMMERCIAL

BLUE STAR DRIVEWAY

CASEY'S DRIVEWAY

0 50 100
SCALE FEET

LEGEND

PROPOSED RIGHT-OF-WAY ACQUISITION

TEMPORARY CONSTRUCTION EASEMENT

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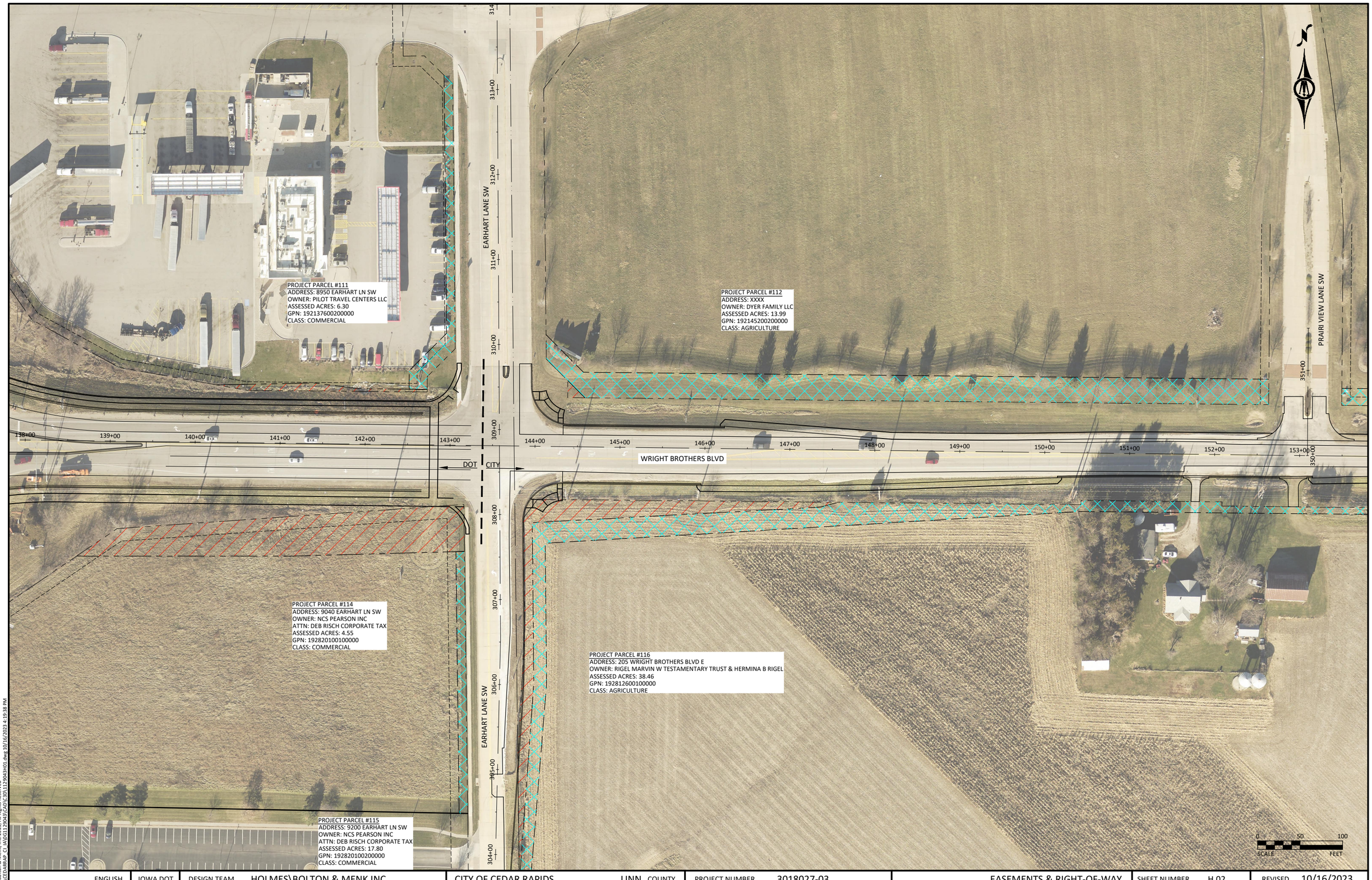
ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	EASEMENTS & RIGHT-OF-WAY	SHEET NUMBER	H.01	REVISED	10/16/2023



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ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	EASEMENTS & RIGHT-OF-WAY	SHEET NUMBER	H.02	REVISED	10/16/2023

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ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	EASEMENTS & RIGHT-OF-WAY	SHEET NUMBER H.03	REVISED 10/16/2023

PROJECT PARCEL #109
ADDRESS: 650 CAPITAL DRIVE SW
OWNER: WRIGHT CAPITAL INVESTMENT LLC
ASSESSED ACRES: 8.20
GPN: 19291010500000
CLASS: COMMERCIAL

BLUE STAR DRIVEWAY

PROJECT PARCEL #110
ADDRESS: 645 WRIGHT BROTHERS BLVD SW
OWNER: WRIGHT CAPITAL INVESTMENT LLC
ASSESSED ACRES: 4.97
GPN: 192910100600000
CLASS: COMMERCIAL

WRIGHT BROTHERS BLVD

PROJECT PARCEL #102
ADDRESS: 710 WRIGHT BROTHERS BLVD SW
OWNER: CASEY'S MARKETING CO
ASSESSED ACRES: 1.22
GPN: 192047600300000
CLASS: COMMERCIAL

PROJECT PARCEL #103
ADDRESS: 645 AMERICA DRIVE SW
OWNER: MEERA ENTERPRISE LLC
ASSESSED ACRES: 1.67
GPN: 192047601000000
CLASS: COMMERCIAL

206+00 207+00 208+00 209+00 210+00 211+00 212+00 213+00 214+00 215+00 216+00 217+00 218+00 219+00 220+00 221+00

6TH STREET SW

113+00 114+00 115+00 116+00 117+00

CAPITAL DR SW

PROJECT PARCEL #108
ADDRESS: 9001 6TH STREET SW
OWNER: CASEY'S MARKETING CO
ASSESSED ACRES: 11.09
GPN: 192822601200000
CLASS: COMMERCIAL

CASEY'S DRIVEWAY

PROJECT PARCEL #107
ADDRESS: 8905 6TH STEET SW
OWNER: BOWLING STREET FLEX-SPACE LLC
ASSESSED ACRES: 4.88
GPN: 192822601000000
CLASS: COMMERCIAL

CITY DOT

118+00 119+00 120+00 121+00 122+00

PROJECT PARCEL #106
ADDRESS: 8810 RUNWAY CT SW
OWNER: WOODSPRING SUITES ONE LLC
ASSESSED ACRES: 1.18
GPN: 192135100700000
CLASS: COMMERCIAL

PROJECT PARCEL #XXXX
ADDRESS: 8860 RUNWAY CT SW
OWNER: WOODSPRING SUITES ONE LLC
ASSESSED ACRES: 1.17
GPN: 192135100600000
CLASS: COMMERCIAL

0 50 100
SCALE FEET

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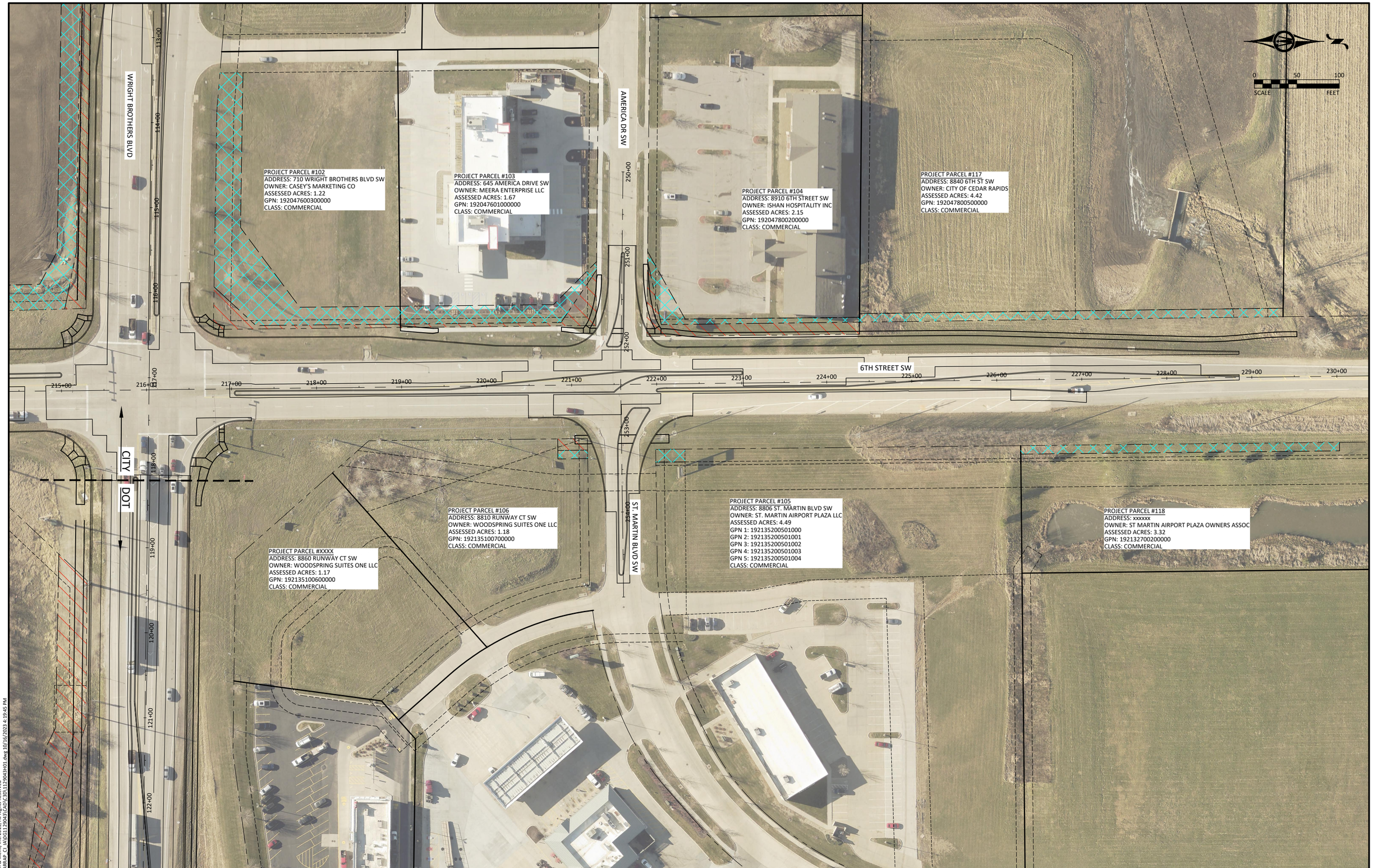
ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	EASEMENTS & RIGHT-OF-WAY	SHEET NUMBER	H.04	REVISED	10/16/2023



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ENGLISH	IOWA DOT	DESIGN TEAM HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER 3018027-03	EASEMENTS & RIGHT-OF-WAY	SHEET NUMBER H.05	REVISED 10/16/2023

EXISTING RIGHT-OF-WAY

EXISTING 20' UTILITY EASEMENT

ATLANTIC DR SW

WRIGHT BROTHERS BLVD

INT - 03B

INT - 03C

INT - 04B

INT - 04A

15" RCP

EXISTING RIGHT-OF-WAY

EXISTING 10' UTILITY EASEMENT

PROPOSED RIGHT-OF-WAY

INT - 03
110+71.35, 55.66' LT
FG=830.44
I=825.51 36" E
I=826.51 15" S
I=825.36 36" W

INT - 03A
110+73.81, 13.27' RT
FG=831.24
I=827.20 15" E
I=827.05 15" N

66' - EX 15" RCP @ 0.82%

MH - 01
108+42.94, 81.52' LT
R=828.34
I=820.89 36" SE
I=820.29 65" S
I=819.94 54" N

INT - 02
108+66.87, 55.78' LT
FG=828.30
I=822.38 36" E
I=822.52 24" S
I=821.66 36" NW

34'
EX 36" RCP
@ 2.27%

196' - EX 36" RCP @ 1.52%

INT - 03
110+71.35, 55.66' LT
FG=830.44
I=825.51 36" E
I=826.51 15" S
I=825.36 36" W

290' - EX 36" RCP @ 1.42%

INT - 04
113+72.26, 48.61' LT
FG=834.42
I=829.64 36" E
I=830.48 15" S
I=829.62 36" W

HORZ. SCALE 0 20 40 FEET

VERT. SCALE 0 4 8 FEET

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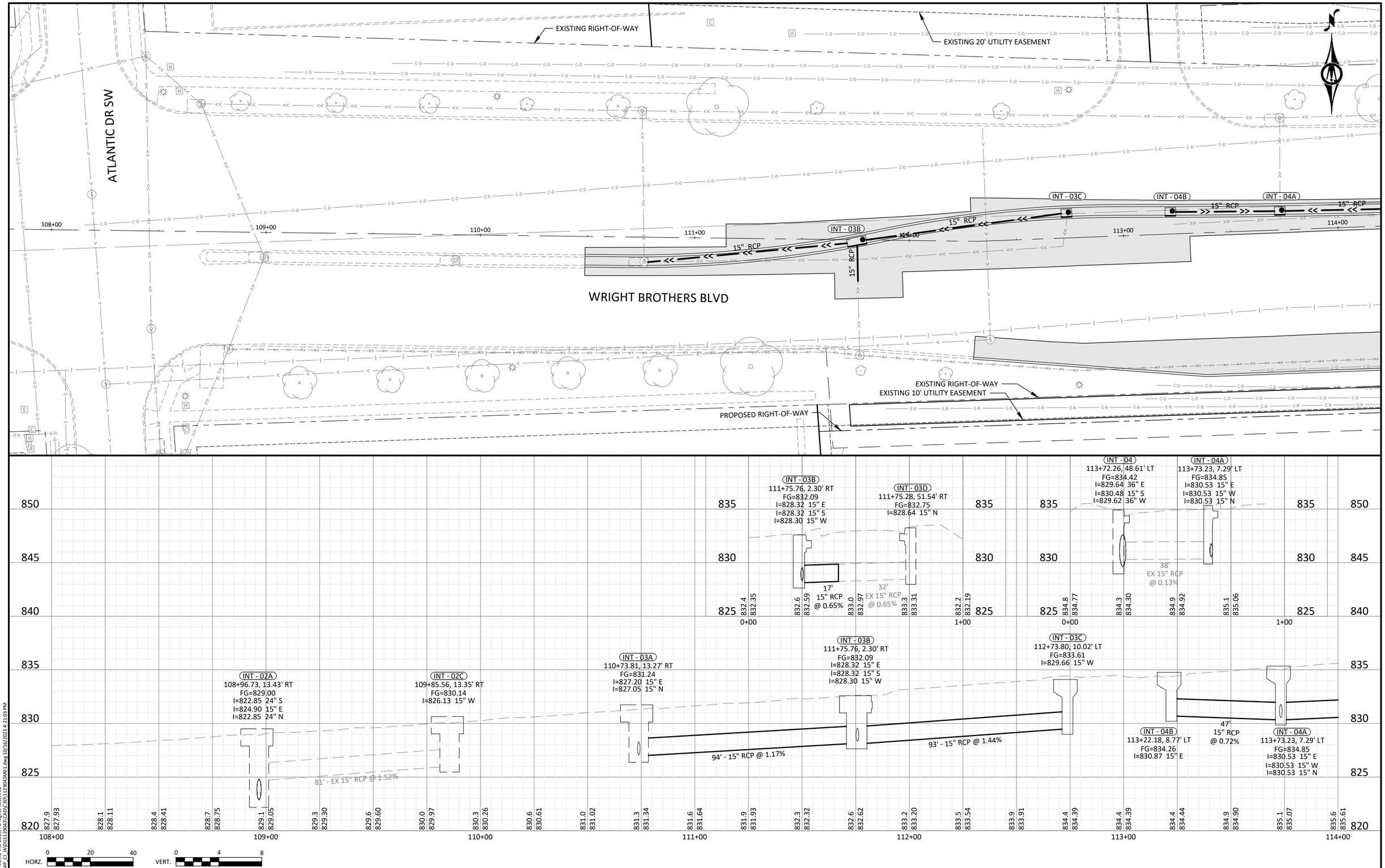
ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	STORM SEWER - PLAN & PROFILE	SHEET NUMBER	M.01	REVISED	10/16/2023



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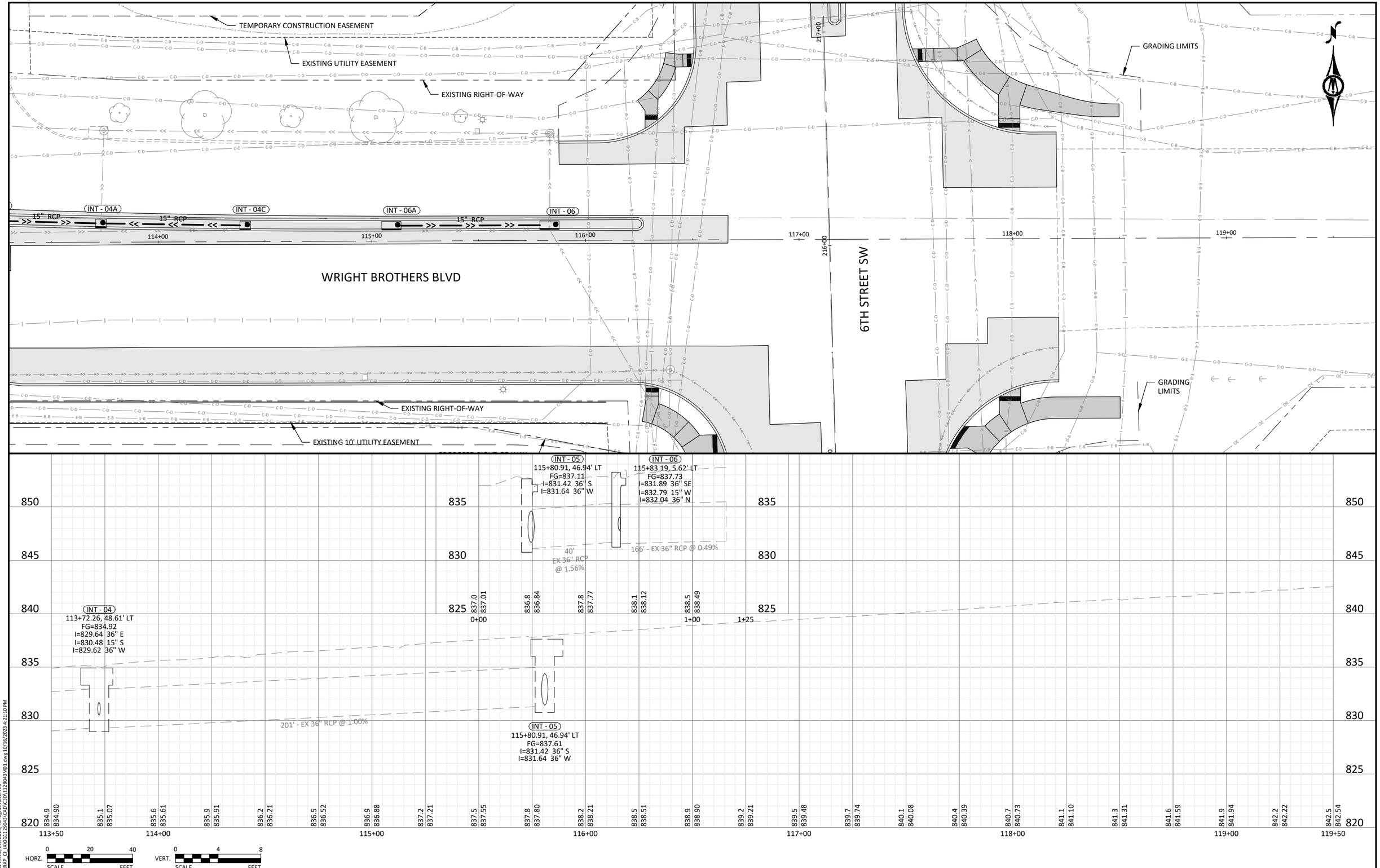
ENGLISH	IOWA DOT	DESIGN TEAM HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER 3018027-03	STORM SEWER - PLAN & PROFILE	SHEET NUMBER M.02	REVISED 10/16/2023



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ENGLISH	IOWA DOT	DESIGN TEAM HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER 3018027-03	STORM SEWER - PLAN & PROFILE	SHEET NUMBER M.03	REVISED 10/16/2023

TEMPORARY CONSTRUCTION EASEMENT

EXISTING UTILITY EASEMENT

EXISTING RIGHT-OF-WAY

GRADING LIMITS

INT - 04A — 15" RCP — INT - 04C — 15" RCP — INT - 06A — 15" RCP — INT - 06

114+00 115+00 116+00 117+00 118+00 119+00

216+00 217+00

WRIGHT BROTHERS BLVD

6TH STREET SW

EXISTING RIGHT-OF-WAY

EXISTING 10' UTILITY EASEMENT

GRADING LIMITS

INT - 04
113+72.26, 48.61' LT
FG=834.42
I=829.64 36" E
I=830.48 15" S
I=829.62 36" W

INT - 04A
113+73.23, 7.29' LT
FG=834.85
I=830.53 15" E
I=830.53 15" W
I=830.53 15" N

38'
EX 15" RCP
@ 0.13%

INT - 05
115+80.91, 46.94' LT
FG=837.11
I=831.42 36" S
I=831.64 36" W

INT - 06
115+83.19, 5.62' LT
FG=837.73
I=831.89 36" SE
I=832.79 15" W
I=832.04 36" N

40'
EX 36" RCP
@ 1.56%

166' - EX 36" RCP @ 0.49%

INT - 04A
113+73.23, 7.29' LT
FG=834.85
I=830.53 15" E
I=830.53 15" W
I=830.53 15" N

INT - 04C
114+40.77, 6.07' LT
FG=835.80
I=831.11 15" W

INT - 06A
115+09.20, 5.70' LT
FG=836.68
I=833.08 15" E

INT - 06
115+83.19, 5.62' LT
FG=837.73
I=831.89 36" SE
I=832.79 15" W
I=832.04 36" N

64' - 15" RCP @ 0.91%

66' - 15" RCP @ 0.44%

855	850	845	840	835	830	825
113+50	834.9	834.90				
	114+00	835.1	835.07			
		835.6	835.61			
		835.9	835.91			
		836.2	836.21			
		836.5	836.52			
	115+00	836.9	836.88			
		837.2	837.21			
		837.5	837.55			
		837.8	837.80			
	116+00	838.2	838.21			
		838.5	838.51			
	117+00	838.9	838.90			
		839.2	839.21			
		839.5	839.48			
		839.7	839.74			
	118+00	840.1	840.08			
		840.4	840.39			
		840.7	840.73			
		841.1	841.10			
	119+00	841.3	841.31			
		841.6	841.59			
		841.9	841.94			
	119+50	842.2	842.22			
		842.5	842.54			

HORZ. SCALE 0 20 40 FEET

VERT. SCALE 0 4 8 FEET

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ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	STORM SEWER - PLAN & PROFILE	SHEET NUMBER	M.04	REVISED	10/16/2023

EXISTING 10' UTILITY EASEMENT

EXISTING RIGHT-OF-WAY

CAPITAL DR SW

GRADING LIMITS

INT - 11

INT - 12

18" RCP

205+00 206+00 207+00 208+00 209+00 210+00

6TH STREET SW

INT - 10B

EXISTING RIGHT-OF-WAY

PROPOSED RIGHT-OF-WAY

TEMPORARY CONSTRUCTION EASEMENT

INT - 13
205+84.74, 35.91' LT
FG=847.36
I=843.03 15" E
I=842.99 15" N

INT - 13A
205+83.44, 35.96' RT
FG=847.45
I=843.30 15" W

72' - EX 15" RCP @ 0.38%

INT - 12
208+01.55, 36.77' LT
FG=846.12
I=841.62 15" E
I=841.76 15" S
I=841.52 18" N

INT - 12A
207+99.52, 38.48' RT
FG=845.96
I=841.92 15" W

72' - EX 15" RCP @ 0.42%

INT - 13
205+84.74, 35.91' LT
FG=847.86
I=843.03 15" E
I=842.99 15" N

213' - EX 15" RCP @ 0.58%

INT - 12
208+01.55, 36.77' LT
FG=846.62
I=841.62 15" E
I=841.76 15" S
I=841.52 18" N

211' - 18" RCP @ 1.04%

INT - 11
210+15.83, 40.49' LT
FG=845.47
I=839.32 18" S
I=839.22 18" N

HORZ. SCALE 0 20 40 FEET

VERT. SCALE 0 4 8 FEET

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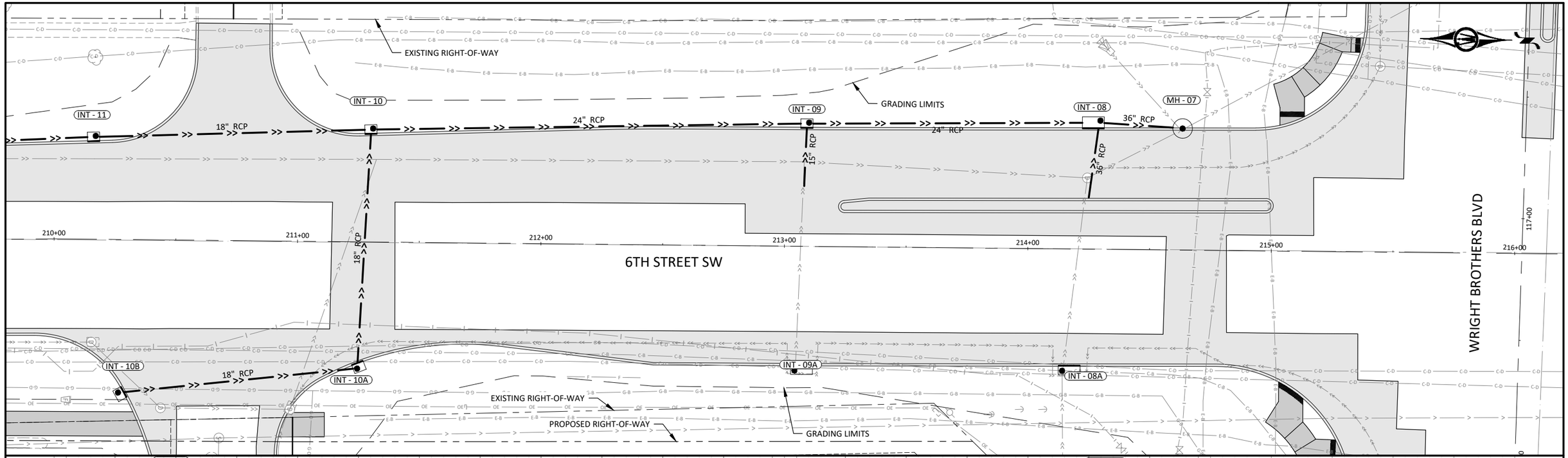
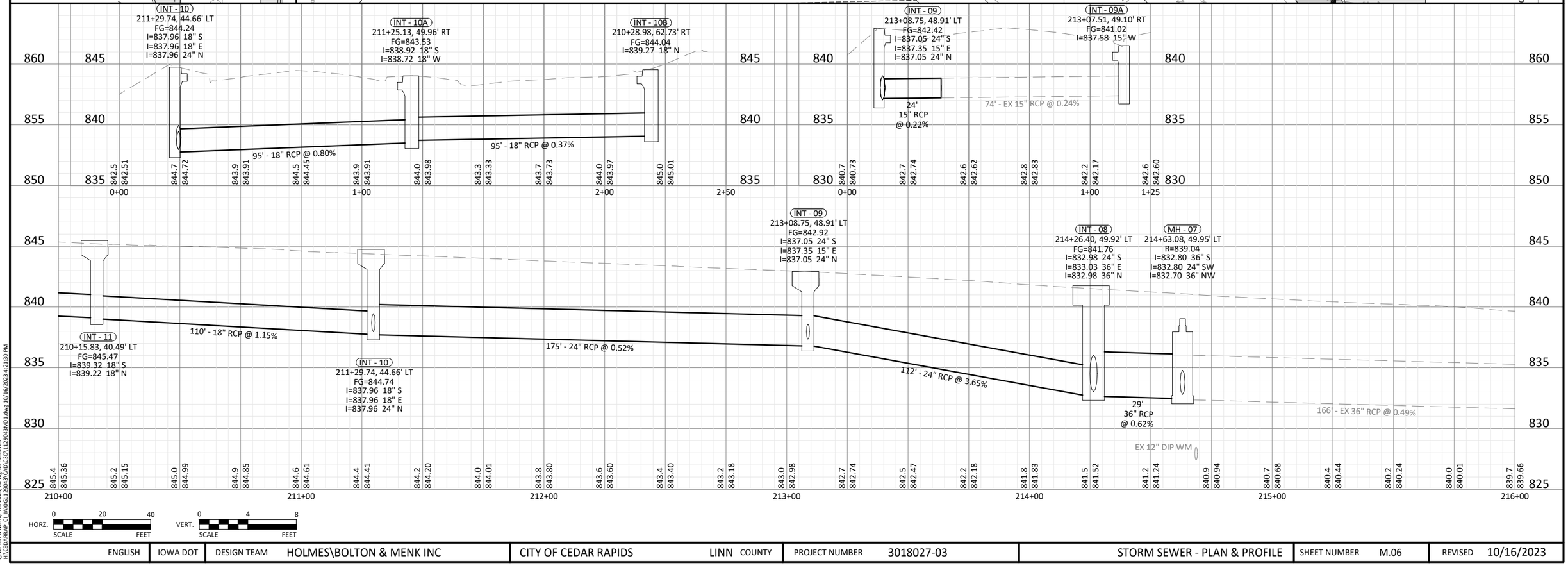
ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	STORM SEWER - PLAN & PROFILE	SHEET NUMBER	M.05	REVISED	10/16/2023





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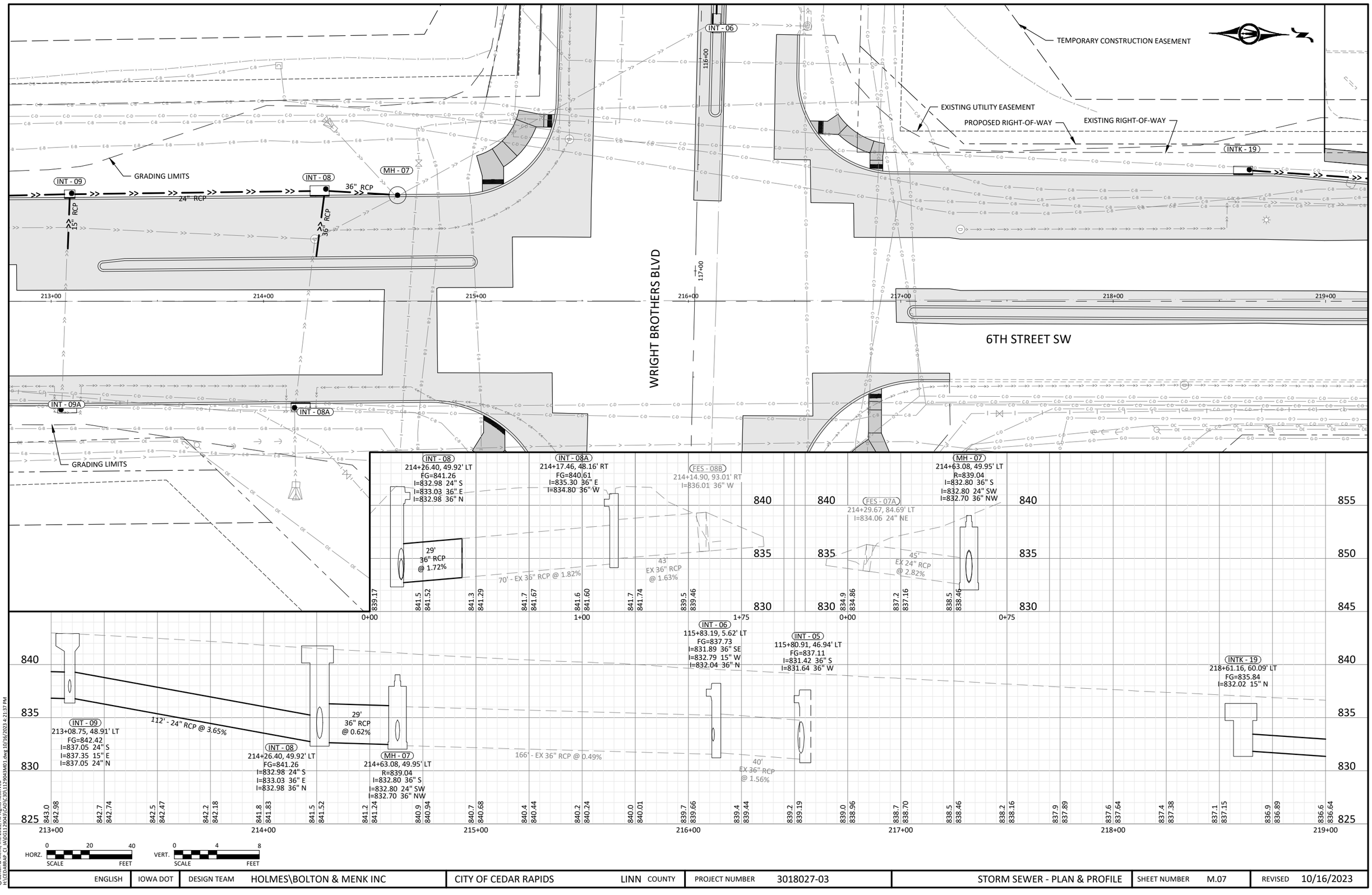
ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	STORM SEWER - PLAN & PROFILE	SHEET NUMBER	M.06	REVISED	10/16/2023



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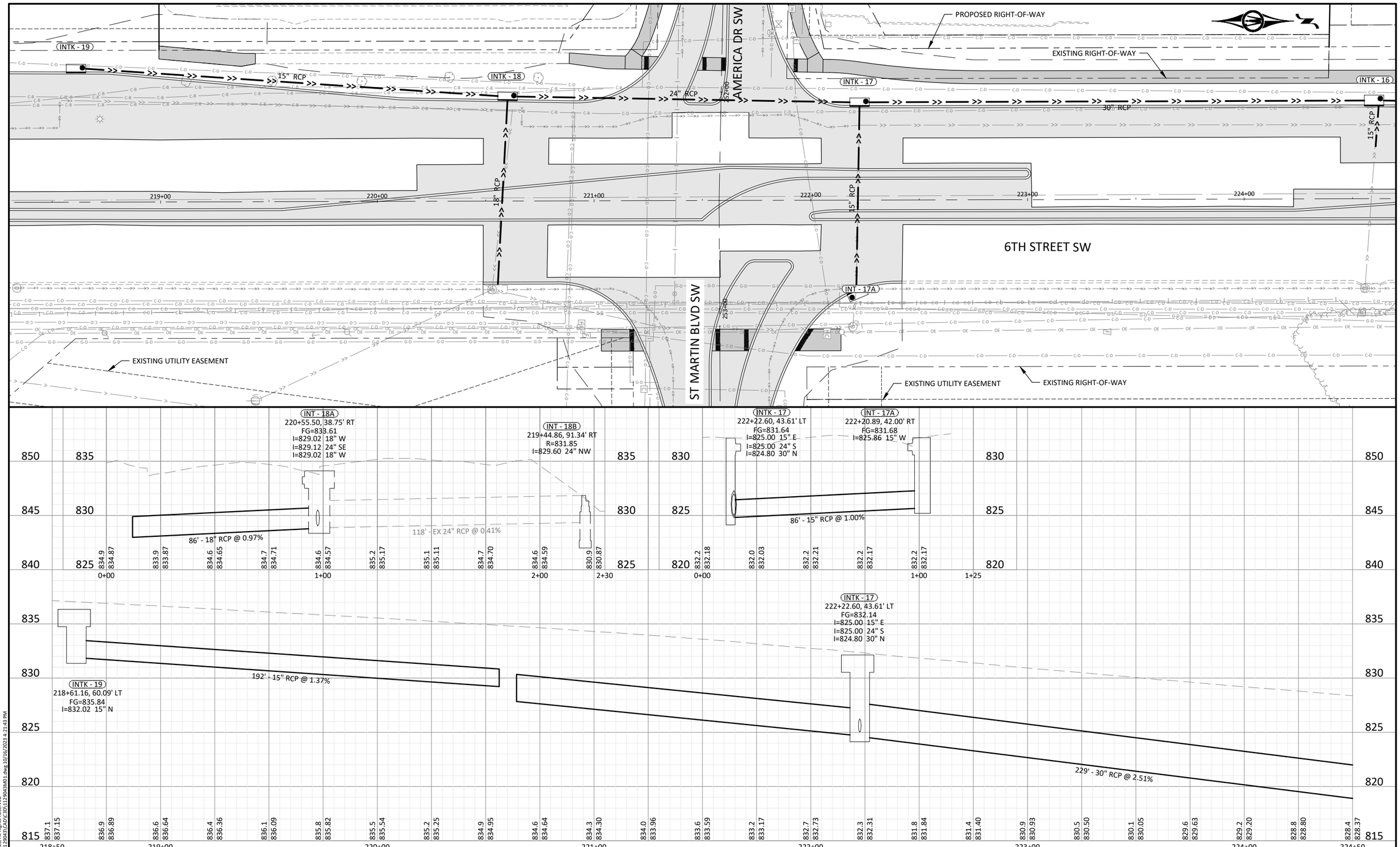
ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	STORM SEWER - PLAN & PROFILE	SHEET NUMBER	M.07	REVISED	10/16/2023



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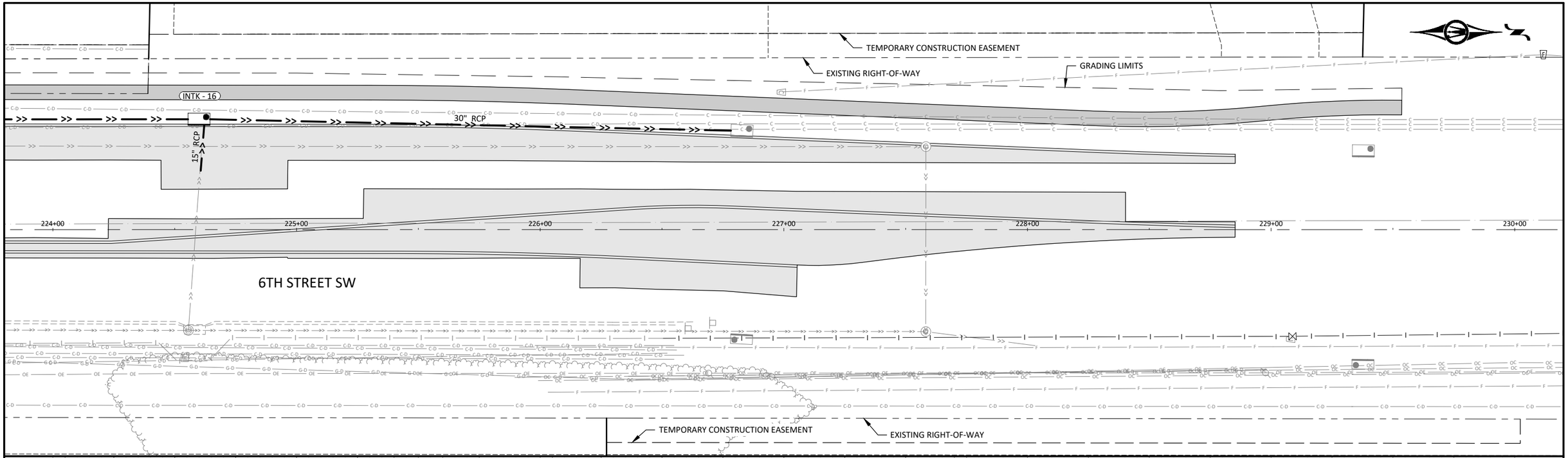
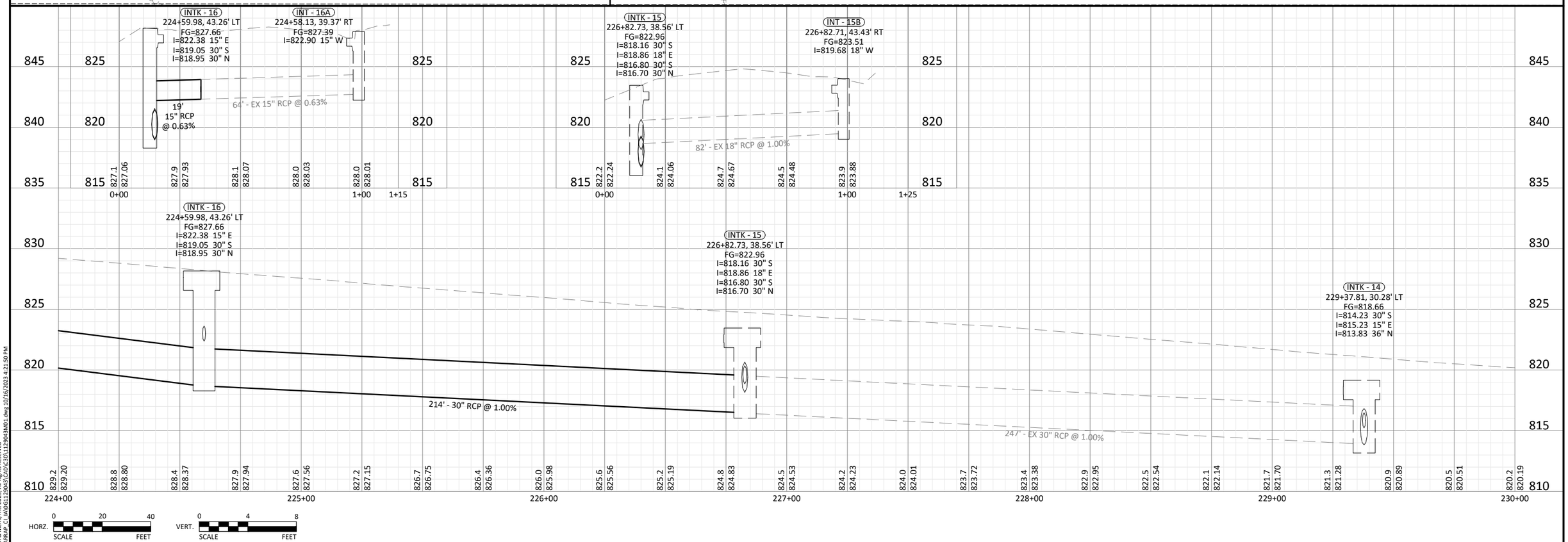
ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	STORM SEWER - PLAN & PROFILE	SHEET NUMBER	M.08	REVISED	10/16/2023





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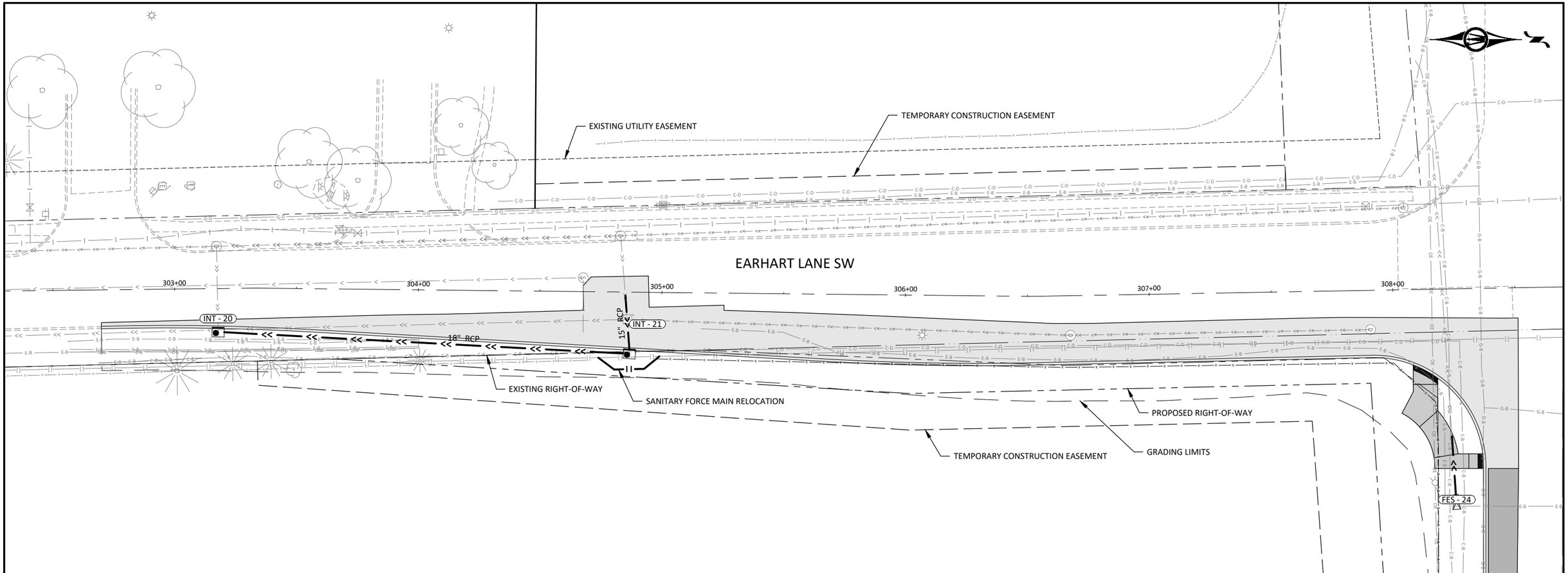
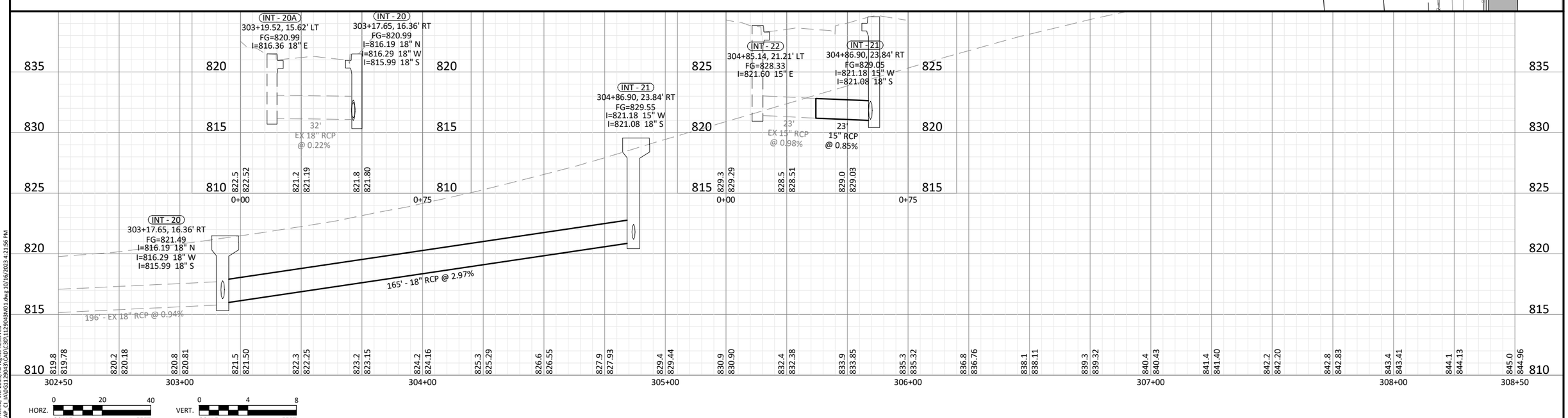
ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	STORM SEWER - PLAN & PROFILE	SHEET NUMBER	M.09	REVISED	10/16/2023





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ENGLISH	IOWA DOT	DESIGN TEAM HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER 3018027-03	STORM SEWER - PLAN & PROFILE	SHEET NUMBER M.10	REVISED 10/16/2023

TEMPORARY CONSTRUCTION EASEMENT

EXISTING UTILITY EASEMENT

EXISTING RIGHT-OF-WAY

PROPOSED RIGHT-OF-WAY

EARHART LANE SW

310+00

309+00

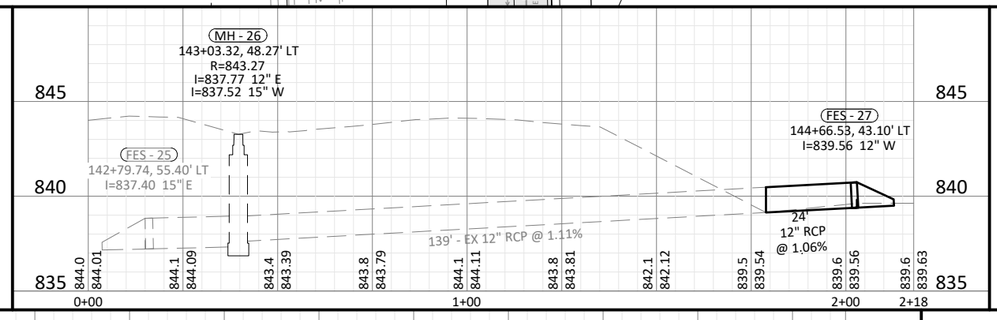
308+00

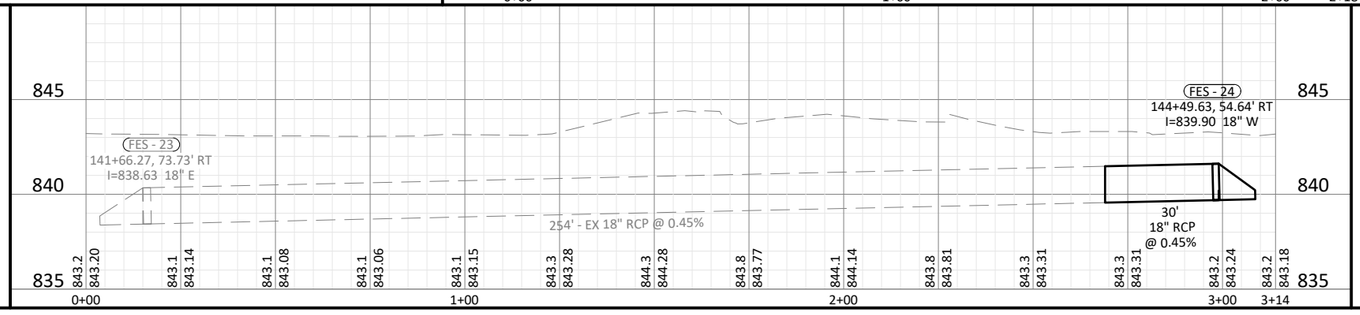
GRADING LIMITS

FES - 27

WRIGHT BROTHERS BLVD

FES - 24





HORZ. SCALE 0 20 40 FEET

VERT. SCALE 0 4 8 FEET

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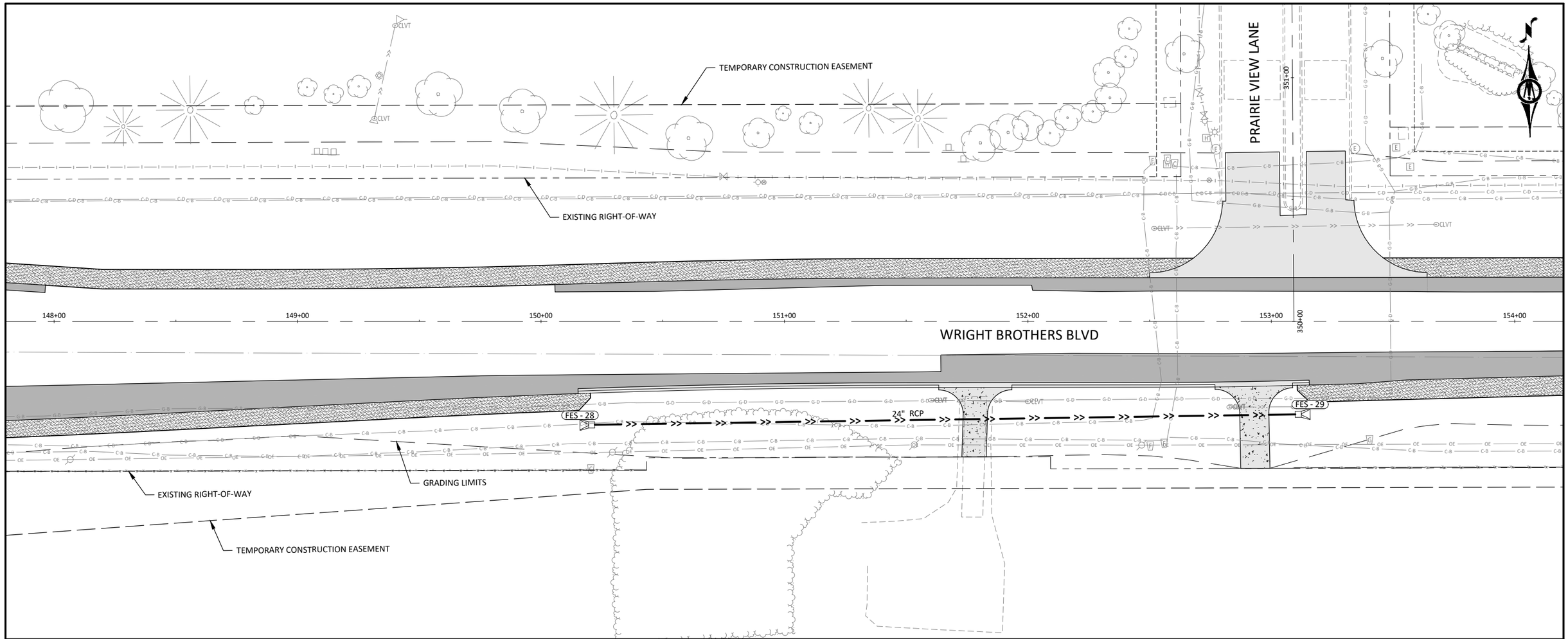
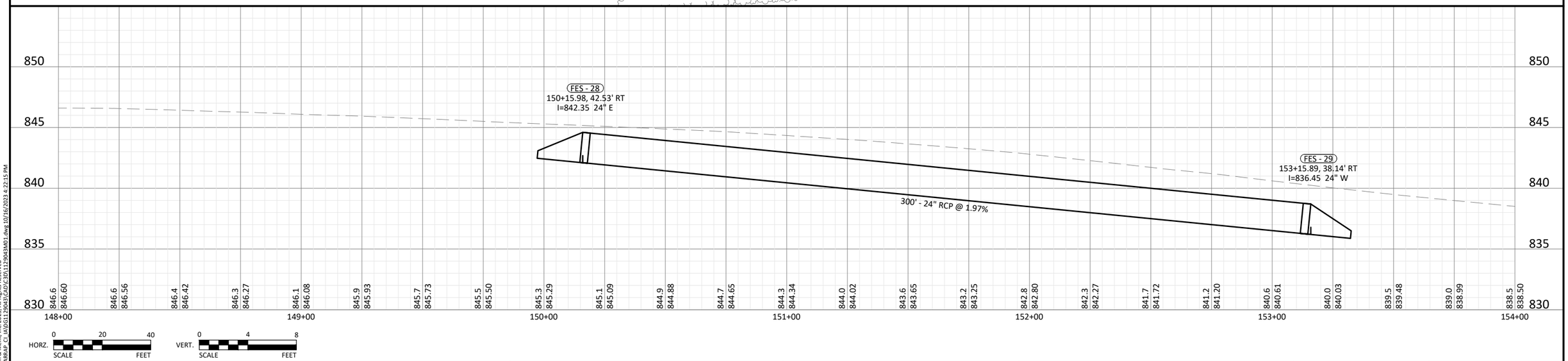
ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	STORM SEWER - PLAN & PROFILE	SHEET NUMBER	M.11	REVISED	10/16/2023





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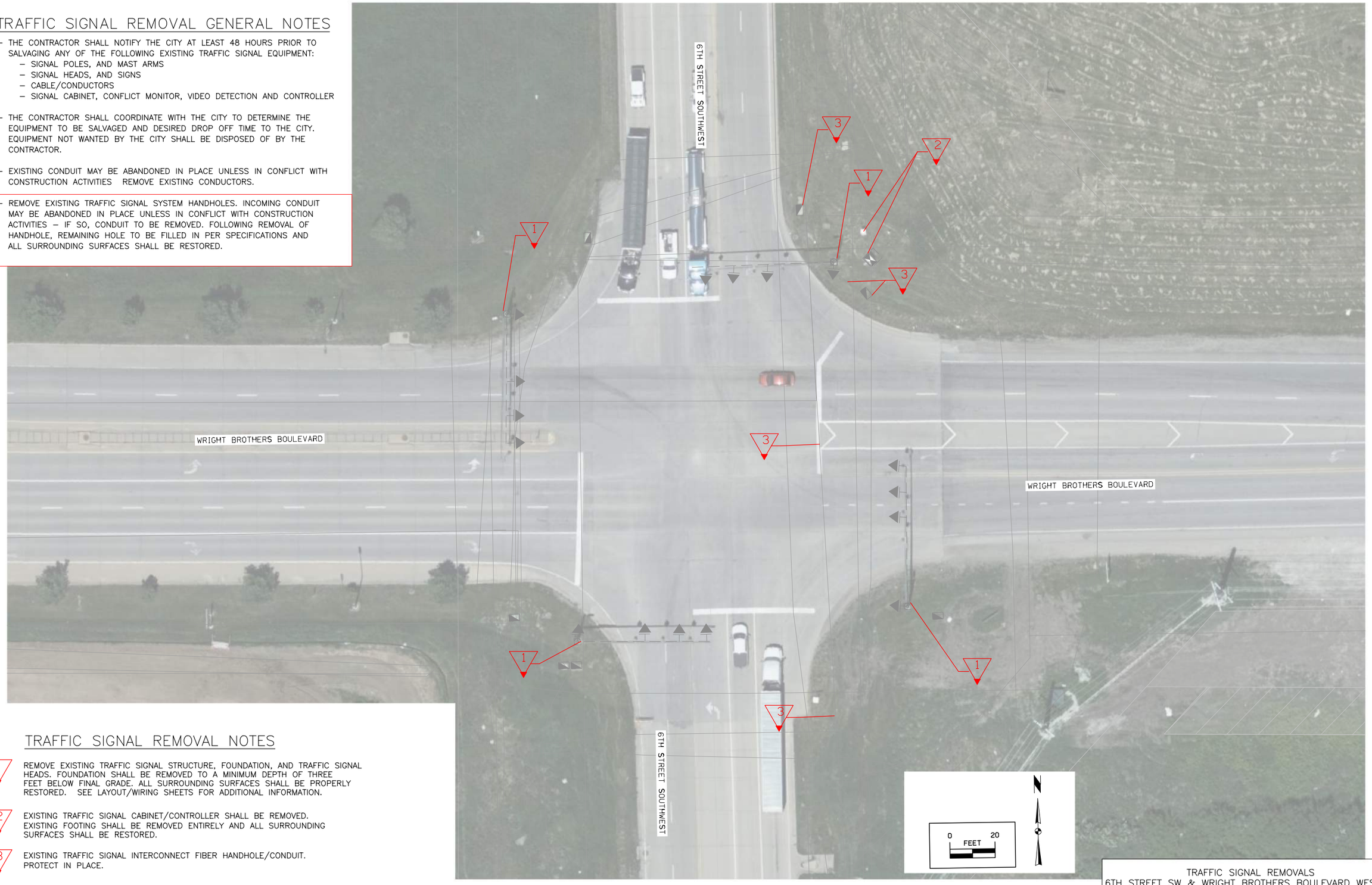
ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	STORM SEWER - PLAN & PROFILE	SHEET NUMBER	M.12	REVISED	10/16/2023

TRAFFIC SIGNAL REMOVAL GENERAL NOTES

- THE CONTRACTOR SHALL NOTIFY THE CITY AT LEAST 48 HOURS PRIOR TO SALVAGING ANY OF THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT:
  - SIGNAL POLES, AND MAST ARMS
  - SIGNAL HEADS, AND SIGNS
  - CABLE/CONDUCTORS
  - SIGNAL CABINET, CONFLICT MONITOR, VIDEO DETECTION AND CONTROLLER
- THE CONTRACTOR SHALL COORDINATE WITH THE CITY TO DETERMINE THE EQUIPMENT TO BE SALVAGED AND DESIRED DROP OFF TIME TO THE CITY. EQUIPMENT NOT WANTED BY THE CITY SHALL BE DISPOSED OF BY THE CONTRACTOR.
- EXISTING CONDUIT MAY BE ABANDONED IN PLACE UNLESS IN CONFLICT WITH CONSTRUCTION ACTIVITIES REMOVE EXISTING CONDUCTORS.
- REMOVE EXISTING TRAFFIC SIGNAL SYSTEM HANDHOLES. INCOMING CONDUIT MAY BE ABANDONED IN PLACE UNLESS IN CONFLICT WITH CONSTRUCTION ACTIVITIES – IF SO, CONDUIT TO BE REMOVED. FOLLOWING REMOVAL OF HANDHOLE, REMAINING HOLE TO BE FILLED IN PER SPECIFICATIONS AND ALL SURROUNDING SURFACES SHALL BE RESTORED.



TRAFFIC SIGNAL REMOVAL NOTES

1. REMOVE EXISTING TRAFFIC SIGNAL STRUCTURE, FOUNDATION, AND TRAFFIC SIGNAL HEADS. FOUNDATION SHALL BE REMOVED TO A MINIMUM DEPTH OF THREE FEET BELOW FINAL GRADE. ALL SURROUNDING SURFACES SHALL BE PROPERLY RESTORED. SEE LAYOUT/WIRING SHEETS FOR ADDITIONAL INFORMATION.
2. EXISTING TRAFFIC SIGNAL CABINET/CONTROLLER SHALL BE REMOVED. EXISTING FOOTING SHALL BE REMOVED ENTIRELY AND ALL SURROUNDING SURFACES SHALL BE RESTORED.
3. EXISTING TRAFFIC SIGNAL INTERCONNECT FIBER HANDHOLE/CONDUIT. PROTECT IN PLACE.

TRAFFIC SIGNAL REMOVALS
6TH STREET SW & WRIGHT BROTHERS BOULEVARD WEST

FILE NO.	ENGLISH	DESIGN TEAM ABRAMS / HR GREEN	LINN COUNTY	PROJECT NUMBER IM-380-6(452)--13-57	SHEET NUMBER N.1	

SYSTEMTIME SYSTEMDATE USERNAME DGNSPEC

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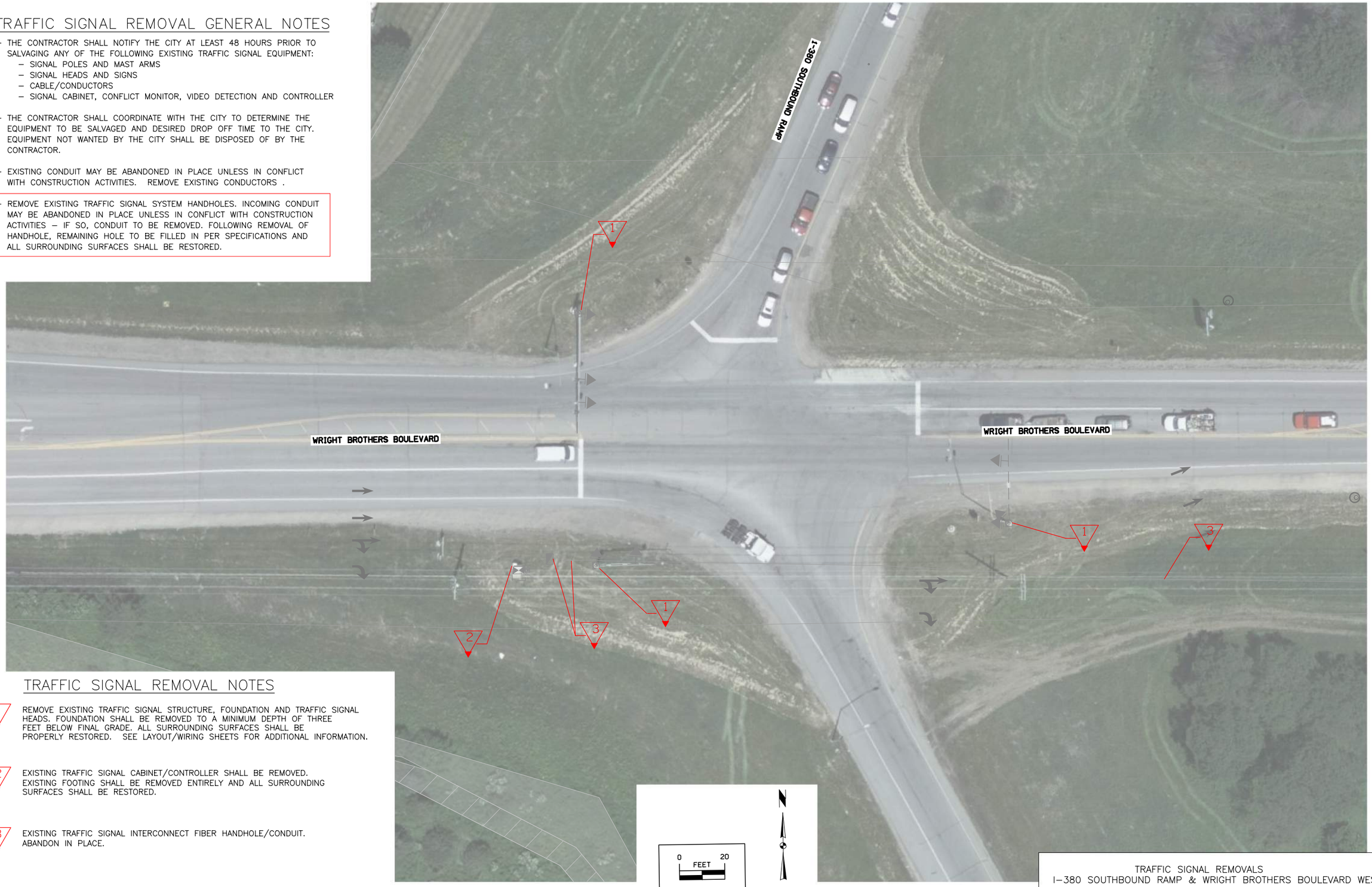
TRAFFIC SIGNAL REMOVAL GENERAL NOTES

- THE CONTRACTOR SHALL NOTIFY THE CITY AT LEAST 48 HOURS PRIOR TO SALVAGING ANY OF THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT:
  - SIGNAL POLES AND MAST ARMS
  - SIGNAL HEADS AND SIGNS
  - CABLE/CONDUCTORS
  - SIGNAL CABINET, CONFLICT MONITOR, VIDEO DETECTION AND CONTROLLER
- THE CONTRACTOR SHALL COORDINATE WITH THE CITY TO DETERMINE THE EQUIPMENT TO BE SALVAGED AND DESIRED DROP OFF TIME TO THE CITY. EQUIPMENT NOT WANTED BY THE CITY SHALL BE DISPOSED OF BY THE CONTRACTOR.
- EXISTING CONDUIT MAY BE ABANDONED IN PLACE UNLESS IN CONFLICT WITH CONSTRUCTION ACTIVITIES. REMOVE EXISTING CONDUCTORS .
- REMOVE EXISTING TRAFFIC SIGNAL SYSTEM HANDHOLES. INCOMING CONDUIT MAY BE ABANDONED IN PLACE UNLESS IN CONFLICT WITH CONSTRUCTION ACTIVITIES – IF SO, CONDUIT TO BE REMOVED. FOLLOWING REMOVAL OF HANDHOLE, REMAINING HOLE TO BE FILLED IN PER SPECIFICATIONS AND ALL SURROUNDING SURFACES SHALL BE RESTORED.



TRAFFIC SIGNAL REMOVAL NOTES

1. REMOVE EXISTING TRAFFIC SIGNAL STRUCTURE, FOUNDATION AND TRAFFIC SIGNAL HEADS. FOUNDATION SHALL BE REMOVED TO A MINIMUM DEPTH OF THREE FEET BELOW FINAL GRADE. ALL SURROUNDING SURFACES SHALL BE PROPERLY RESTORED. SEE LAYOUT/WIRING SHEETS FOR ADDITIONAL INFORMATION.
2. EXISTING TRAFFIC SIGNAL CABINET/CONTROLLER SHALL BE REMOVED. EXISTING FOOTING SHALL BE REMOVED ENTIRELY AND ALL SURROUNDING SURFACES SHALL BE RESTORED.
3. EXISTING TRAFFIC SIGNAL INTERCONNECT FIBER HANDHOLE/CONDUIT. ABANDON IN PLACE.

0 20 FEET

TRAFFIC SIGNAL REMOVALS
I–380 SOUTHBOUND RAMP & WRIGHT BROTHERS BOULEVARD WEST

FILE NO.	ENGLISH	DESIGN TEAM ABRAMS / HR GREEN	LINN COUNTY	PROJECT NUMBER IM-380-6(452)--13-57	SHEET NUMBER N.2	

SYSTEMTIME SYSTEMDATE USERNAME DGNSPEC

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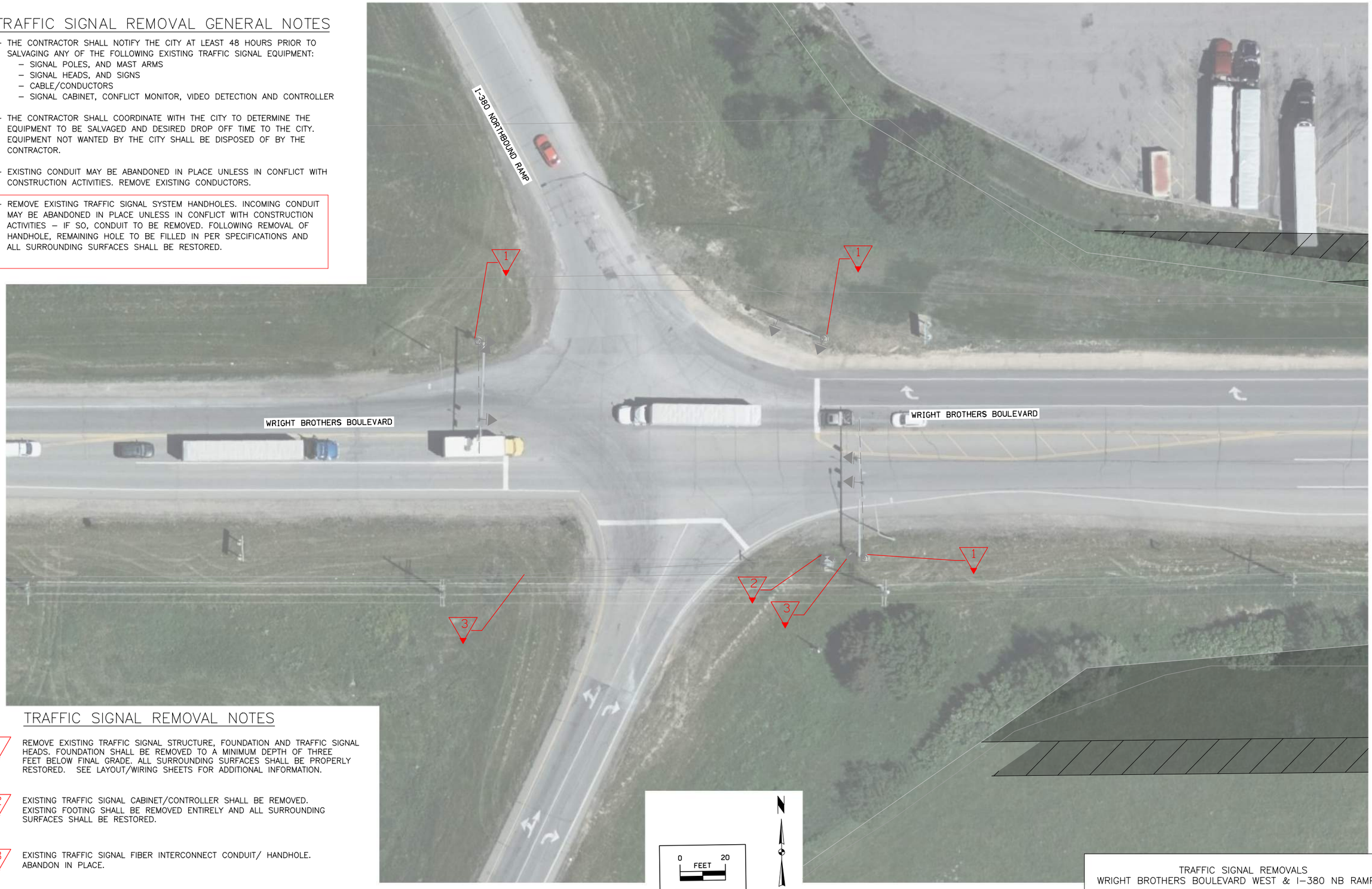
TRAFFIC SIGNAL REMOVAL GENERAL NOTES

- THE CONTRACTOR SHALL NOTIFY THE CITY AT LEAST 48 HOURS PRIOR TO SALVAGING ANY OF THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT:
  - SIGNAL POLES, AND MAST ARMS
  - SIGNAL HEADS, AND SIGNS
  - CABLE/CONDUCTORS
  - SIGNAL CABINET, CONFLICT MONITOR, VIDEO DETECTION AND CONTROLLER
- THE CONTRACTOR SHALL COORDINATE WITH THE CITY TO DETERMINE THE EQUIPMENT TO BE SALVAGED AND DESIRED DROP OFF TIME TO THE CITY. EQUIPMENT NOT WANTED BY THE CITY SHALL BE DISPOSED OF BY THE CONTRACTOR.
- EXISTING CONDUIT MAY BE ABANDONED IN PLACE UNLESS IN CONFLICT WITH CONSTRUCTION ACTIVITIES. REMOVE EXISTING CONDUCTORS.
- REMOVE EXISTING TRAFFIC SIGNAL SYSTEM HANDHOLES. INCOMING CONDUIT MAY BE ABANDONED IN PLACE UNLESS IN CONFLICT WITH CONSTRUCTION ACTIVITIES – IF SO, CONDUIT TO BE REMOVED. FOLLOWING REMOVAL OF HANDHOLE, REMAINING HOLE TO BE FILLED IN PER SPECIFICATIONS AND ALL SURROUNDING SURFACES SHALL BE RESTORED.



TRAFFIC SIGNAL REMOVAL NOTES

1. REMOVE EXISTING TRAFFIC SIGNAL STRUCTURE, FOUNDATION AND TRAFFIC SIGNAL HEADS. FOUNDATION SHALL BE REMOVED TO A MINIMUM DEPTH OF THREE FEET BELOW FINAL GRADE. ALL SURROUNDING SURFACES SHALL BE PROPERLY RESTORED. SEE LAYOUT/WIRING SHEETS FOR ADDITIONAL INFORMATION.

2. EXISTING TRAFFIC SIGNAL CABINET/CONTROLLER SHALL BE REMOVED. EXISTING FOOTING SHALL BE REMOVED ENTIRELY AND ALL SURROUNDING SURFACES SHALL BE RESTORED.

3. EXISTING TRAFFIC SIGNAL FIBER INTERCONNECT CONDUIT/ HANDHOLE. ABANDON IN PLACE.

0 20 FEET

TRAFFIC SIGNAL REMOVALS
WRIGHT BROTHERS BOULEVARD WEST & I–380 NB RAMPS

FILE NO.	ENGLISH	DESIGN TEAM ABRAMS / HR GREEN	LINN COUNTY	PROJECT NUMBER IM-380-6(452)--13-57	SHEET NUMBER N.3	

SYSTEMTIME SYSTEMDATE USERNAME DGNSPEC

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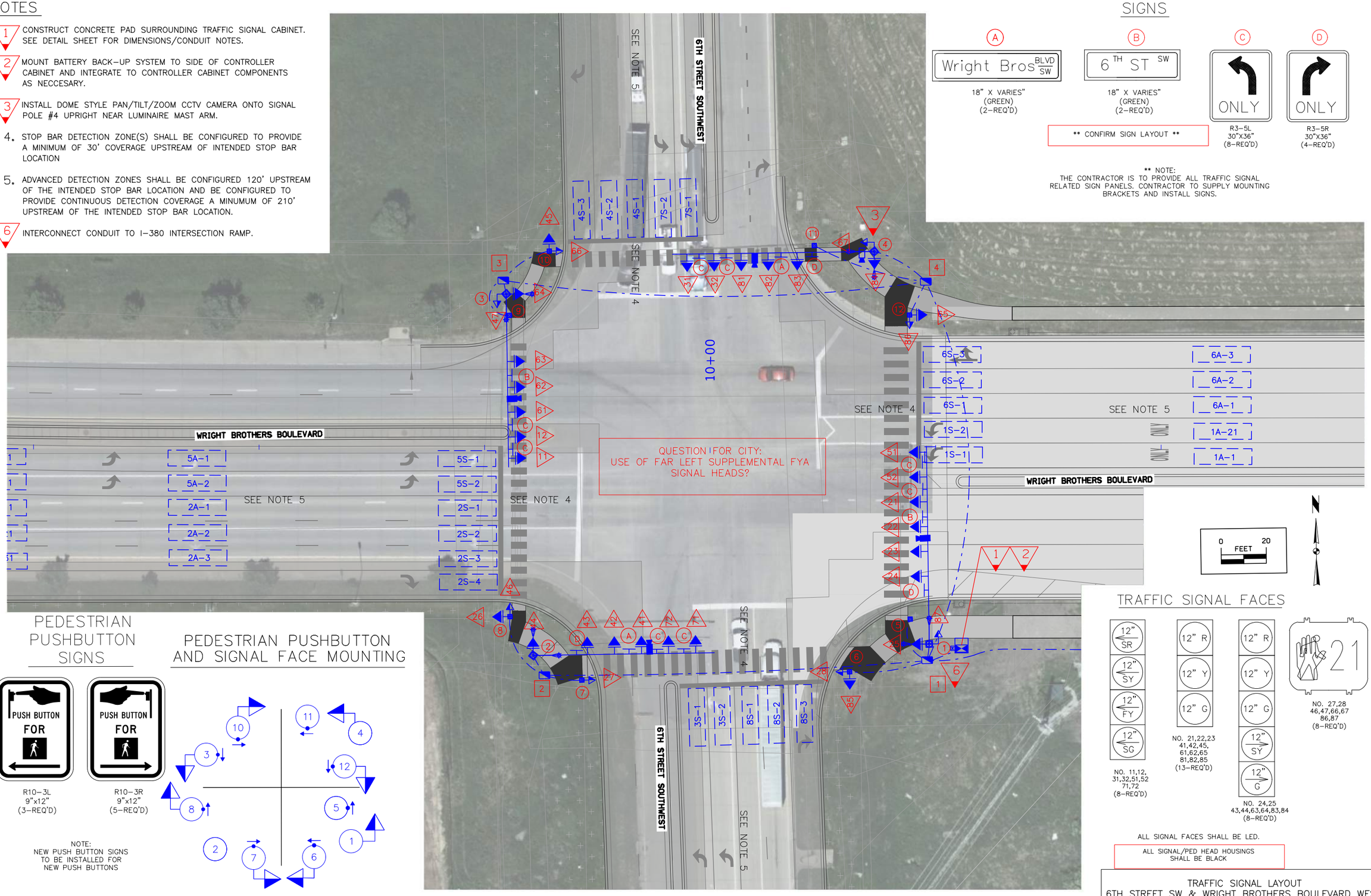
NOTES

1. CONSTRUCT CONCRETE PAD SURROUNDING TRAFFIC SIGNAL CABINET. SEE DETAIL SHEET FOR DIMENSIONS/CONDUIT NOTES.
2. MOUNT BATTERY BACK-UP SYSTEM TO SIDE OF CONTROLLER CABINET AND INTEGRATE TO CONTROLLER CABINET COMPONENTS AS NECCESARY.
3. INSTALL DOME STYLE PAN/TILT/ZOOM CCTV CAMERA ONTO SIGNAL POLE #4 UPRIGHT NEAR LUMINAIRE MAST ARM.
4. STOP BAR DETECTION ZONE(S) SHALL BE CONFIGURED TO PROVIDE A MINIMUM OF 30' COVERAGE UPSTREAM OF INTENDED STOP BAR LOCATION
5. ADVANCED DETECTION ZONES SHALL BE CONFIGURED 120' UPSTREAM OF THE INTENDED STOP BAR LOCATION AND BE CONFIGURED TO PROVIDE CONTINUOUS DETECTION COVERAGE A MINUMUM OF 210' UPSTREAM OF THE INTENDED STOP BAR LOCATION.
6. INTERCONNECT CONDUIT TO I-380 INTERSECTION RAMP.

SIGNS

** CONFIRM SIGN LAYOUT **

** NOTE:
THE CONTRACTOR IS TO PROVIDE ALL TRAFFIC SIGNAL RELATED SIGN PANELS. CONTRACTOR TO SUPPLY MOUNTING BRACKETS AND INSTALL SIGNS.



PEDESTRIAN PUSHBUTTON SIGNS

R10-3L
9"x12"
(3-REQ'D)

R10-3R
9"x12"
(5-REQ'D)

NOTE:
NEW PUSH BUTTON SIGNS TO BE INSTALLED FOR NEW PUSH BUTTONS

PEDESTRIAN PUSHBUTTON AND SIGNAL FACE MOUNTING

TRAFFIC SIGNAL FACES

ALL SIGNAL FACES SHALL BE LED.

ALL SIGNAL/PED HEAD HOUSINGS SHALL BE BLACK

TRAFFIC SIGNAL LAYOUT
6TH STREET SW & WRIGHT BROTHERS BOULEVARD WEST

FILE NO.	ENGLISH	DESIGN TEAM ABRAMS / HR GREEN	LINN COUNTY	PROJECT NUMBER IM-380-6(452)--13-57	SHEET NUMBER N.4	

SYSTEMTIME SYSTEMDATE USERNAME DGNSPEC

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NOTES

1. CONSTRUCT CONCRETE PAD SURROUNDING TRAFFIC SIGNAL CABINET. SEE DETAIL SHEET FOR DIMENSIONS/CONDUIT NOTES.
2. MOUNT BATTERY BACK-UP SYSTEM TO SIDE OF CONTROLLER CABINET AND INTEGRATE TO CONTROLLER CABINET COMPONENTS AS NECCESARY.
3. INSTALL DOME STYLE PAN/TILT/ZOOM CCTV CAMERA ONTO SIGNAL POLES #30 AND #31.
4. STOP BAR DETECTION ZONE(S) SHALL BE CONFIGURED TO PROVIDE A MINIMUM OF 30' COVERAGE UPSTREAM OF INTENDED STOP BAR LOCATION.
5. ADVANCED DETECTION ZONES SHALL BE CONFIGURED 120' UPSTREAM OF THE INTENDED STOP BAR LOCATION AND BE CONFIGURED TO PROVIDE CONTINUOUS DETECTION COVERAGE A MINUMUM OF 210' UPSTREAM OF THE INTENDED STOP BAR LOCATION.
6. INTERCONNECT CONDUIT TO 6TH STREET SW INTERSECTION.
7. INTERCONNECT CONDUIT TO I-380 NORTHBOUND RAMP INTERSECTION.

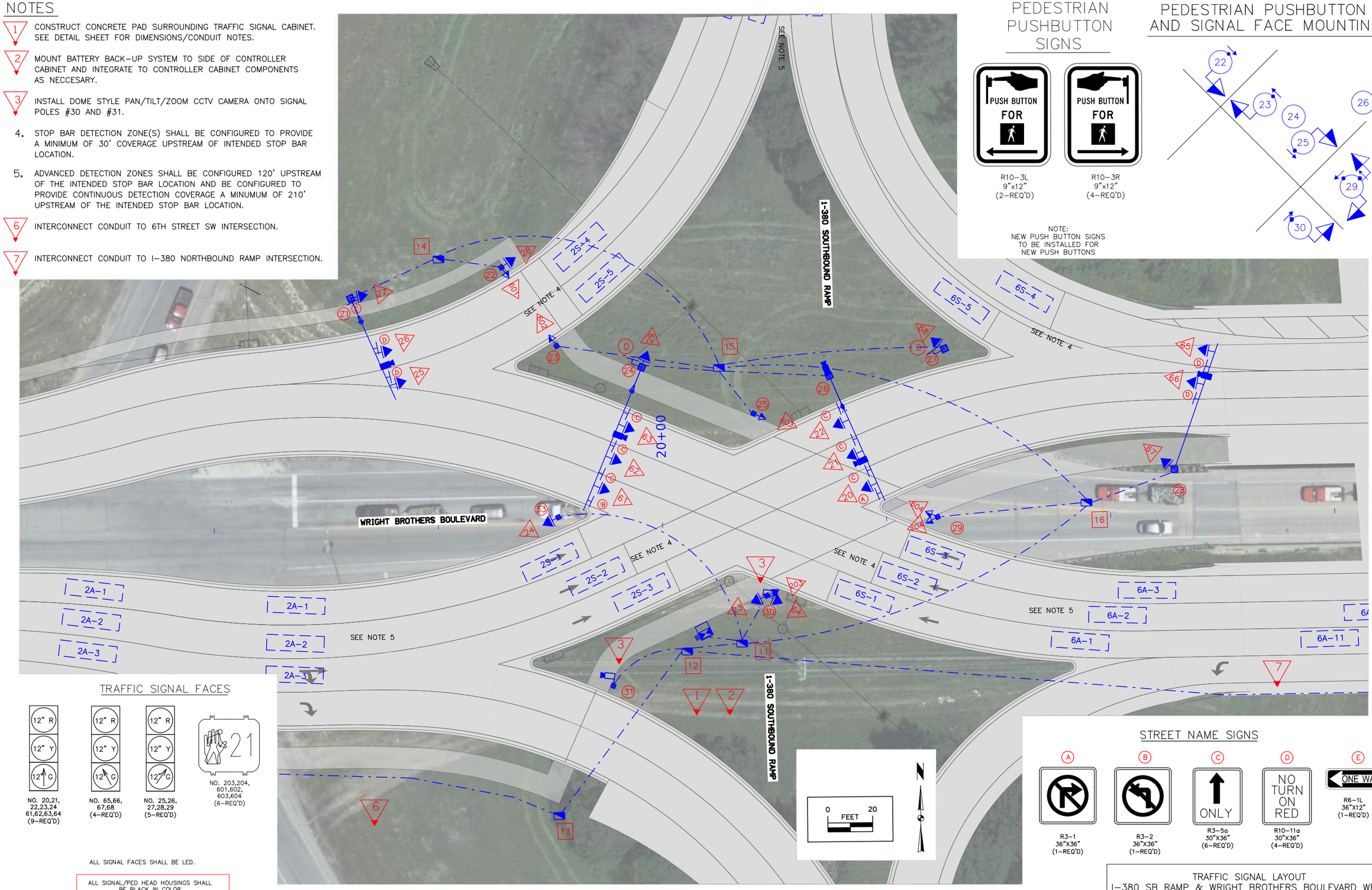
PEDESTRIAN PUSHBUTTON SIGNS

R10-3L
9"x12"
(2-REQ'D)

R10-3R
9"x12"
(4-REQ'D)

NOTE:
NEW PUSH BUTTON SIGNS
TO BE INSTALLED FOR
NEW PUSH BUTTONS

PEDESTRIAN PUSHBUTTON AND SIGNAL FACE MOUNTING



TRAFFIC SIGNAL FACES

NO. 20,21, 22,23,24 61,62,63,64 (9-REQ'D)

NO. 65,66, 67,68 (4-REQ'D)

NO. 25,26, 27,28,29 (5-REQ'D)

NO. 203,204, 601,602, 603,604 (6-REQ'D)

ALL SIGNAL FACES SHALL BE LED.

ALL SIGNAL/PED HEAD HOUSINGS SHALL BE BLACK IN COLOR

STREET NAME SIGNS

R3-1
36"X36"
(1-REQ'D)

R3-2
36"X36"
(1-REQ'D)

R3-5a
30"X36"
(6-REQ'D)

R10-11a
30"X36"
(4-REQ'D)

R6-1L
36"X12"
(1-REQ'D)

TRAFFIC SIGNAL LAYOUT
I-380 SB RAMP & WRIGHT BROTHERS BOULEVARD WEST

FILE NO.	ENGLISH	DESIGN TEAM ABRAMS / HR GREEN	LINN COUNTY	PROJECT NUMBER IM-380-6(452)--13-57	SHEET NUMBER N.5	

SYSTEMTIME SYSTEMDATE USERNAME DGNSPEC

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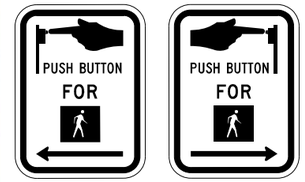
NOTES

1. CONSTRUCT CONCRETE PAD SURROUNDING TRAFFIC SIGNAL CABINET. SEE DETAIL SHEET FOR DIMENSIONS/CONDUIT NOTES.
2. MOUNT BATTERY BACK-UP SYSTEM TO SIDE OF CONTROLLER CABINET AND INTEGRATE TO CONTROLLER CABINET COMPONENTS AS NECCESARY.
3. INSTALL DOME STYLE PAN/TILT/ZOOM CCTV CAMERA ONTO SIGNAL POLES #30 AND #31.
4. STOP BAR DETECTION ZONE(S) SHALL BE CONFIGURED TO PROVIDE A MINIMUM OF 30' COVERAGE UPSTREAM OF INTENDED STOP BAR LOCATION.
5. ADVANCED DETECTION ZONES SHALL BE CONFIGURED 120' UPSTREAM OF THE INTENDED STOP BAR LOCATION AND BE CONFIGURED TO PROVIDE CONTINUOUS DETECTION COVERAGE A MINUMUM OF 210' UPSTREAM OF THE INTENDED STOP BAR LOCATION.
6. INTERCONNECT CONDUIT TO I-380 SOUTHBOUND RAMP INTERSECTION.
7. INTERCONNECT CONDUIT TO EARHART LANE INTERSECTION.

PEDESTRIAN PUSHBUTTON SIGNS

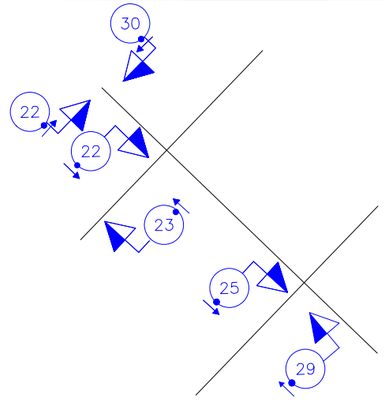


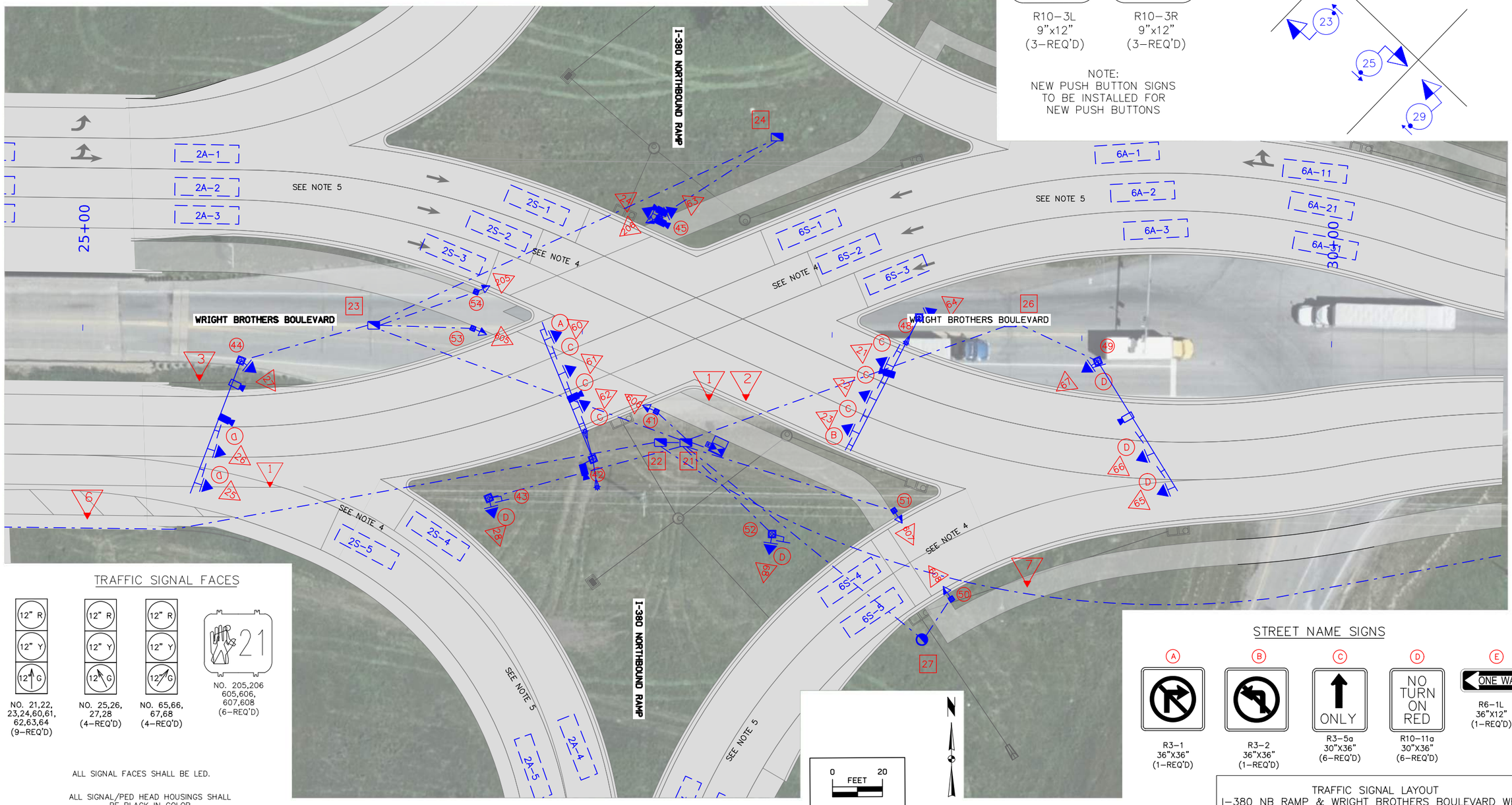
R10-3L 9"x12" (3-REQ'D)

R10-3R 9"x12" (3-REQ'D)

NOTE:
NEW PUSH BUTTON SIGNS TO BE INSTALLED FOR NEW PUSH BUTTONS

PEDESTRIAN PUSHBUTTON AND SIGNAL FACE MOUNTING





TRAFFIC SIGNAL FACES

NO. 21,22, 23,24,60,61, 62,63,64 (9-REQ'D)

NO. 25,26, 27,28 (4-REQ'D)

NO. 65,66, 67,68 (4-REQ'D)

NO. 205,206 605,606, 607,608 (6-REQ'D)

ALL SIGNAL FACES SHALL BE LED.

ALL SIGNAL/PED HEAD HOUSINGS SHALL BE BLACK IN COLOR

STREET NAME SIGNS

R3-1 36"X36" (1-REQ'D)

R3-2 36"X36" (1-REQ'D)

R3-5a 30"X36" (6-REQ'D)

R10-11a 30"X36" (6-REQ'D)

R6-1L 36"X12" (1-REQ'D)

TRAFFIC SIGNAL LAYOUT
I-380 NB RAMP & WRIGHT BROTHERS BOULEVARD WEST

FILE NAME $file-date$	ENGLISH	DESIGN TEAM ABRAMS / HR GREEN		LINN COUNTY	PROJECT NUMBER IM-380-6(452)--13-57	SHEET NUMBER N.6

SYSTEMTIME SYSTEMDATE USERNAME DGNSPEC

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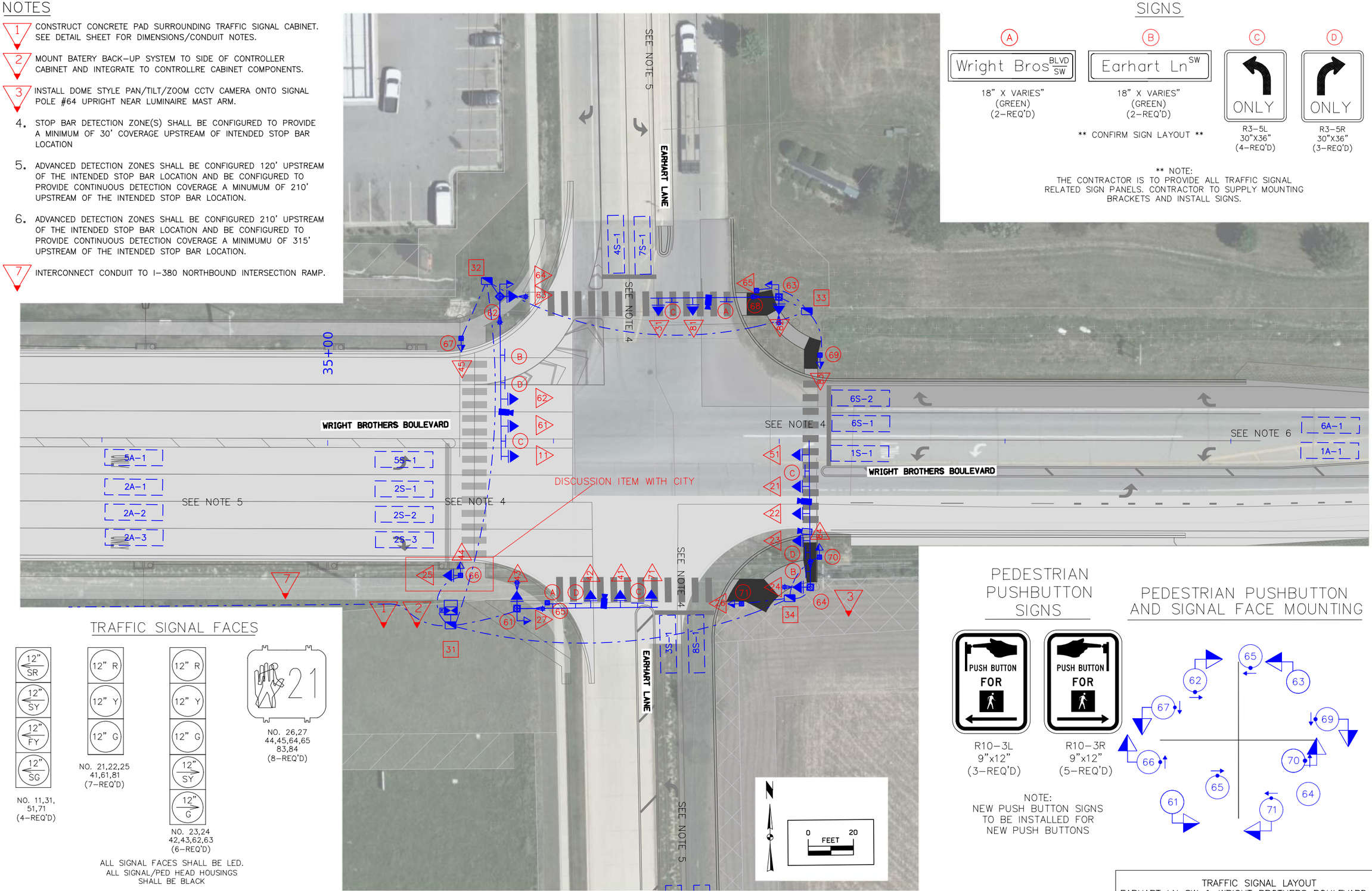
NOTES

1. CONSTRUCT CONCRETE PAD SURROUNDING TRAFFIC SIGNAL CABINET. SEE DETAIL SHEET FOR DIMENSIONS/CONDUIT NOTES.
2. MOUNT BATERY BACK-UP SYSTEM TO SIDE OF CONTROLLER CABINET AND INTEGRATE TO CONTROLLRE CABINET COMPONENTS.
3. INSTALL DOME STYLE PAN/TILT/ZOOM CCTV CAMERA ONTO SIGNAL POLE #64 UPRIGHT NEAR LUMINAIRE MAST ARM.
4. STOP BAR DETECTION ZONE(S) SHALL BE CONFIGURED TO PROVIDE A MINIMUM OF 30' COVERAGE UPSTREAM OF INTENDED STOP BAR LOCATION
5. ADVANCED DETECTION ZONES SHALL BE CONFIGURED 120' UPSTREAM OF THE INTENDED STOP BAR LOCATION AND BE CONFIGURED TO PROVIDE CONTINUOUS DETECTION COVERAGE A MINUMUM OF 210' UPSTREAM OF THE INTENDED STOP BAR LOCATION.
6. ADVANCED DETECTION ZONES SHALL BE CONFIGURED 210' UPSTREAM OF THE INTENDED STOP BAR LOCATION AND BE CONFIGURED TO PROVIDE CONTINUOUS DETECTION COVERAGE A MINIMUMU OF 315' UPSTREAM OF THE INTENDED STOP BAR LOCATION.
7. INTERCONNECT CONDUIT TO I-380 NORTHBOUND INTERSECTION RAMP.

SIGNS

** NOTE:
THE CONTRACTOR IS TO PROVIDE ALL TRAFFIC SIGNAL RELATED SIGN PANELS. CONTRACTOR TO SUPPLY MOUNTING BRACKETS AND INSTALL SIGNS.



TRAFFIC SIGNAL FACES

ALL SIGNAL FACES SHALL BE LED.
ALL SIGNAL/PED HEAD HOUSINGS SHALL BE BLACK

PEDESTRIAN PUSHBUTTON SIGNS

NOTE:
NEW PUSH BUTTON SIGNS TO BE INSTALLED FOR NEW PUSH BUTTONS

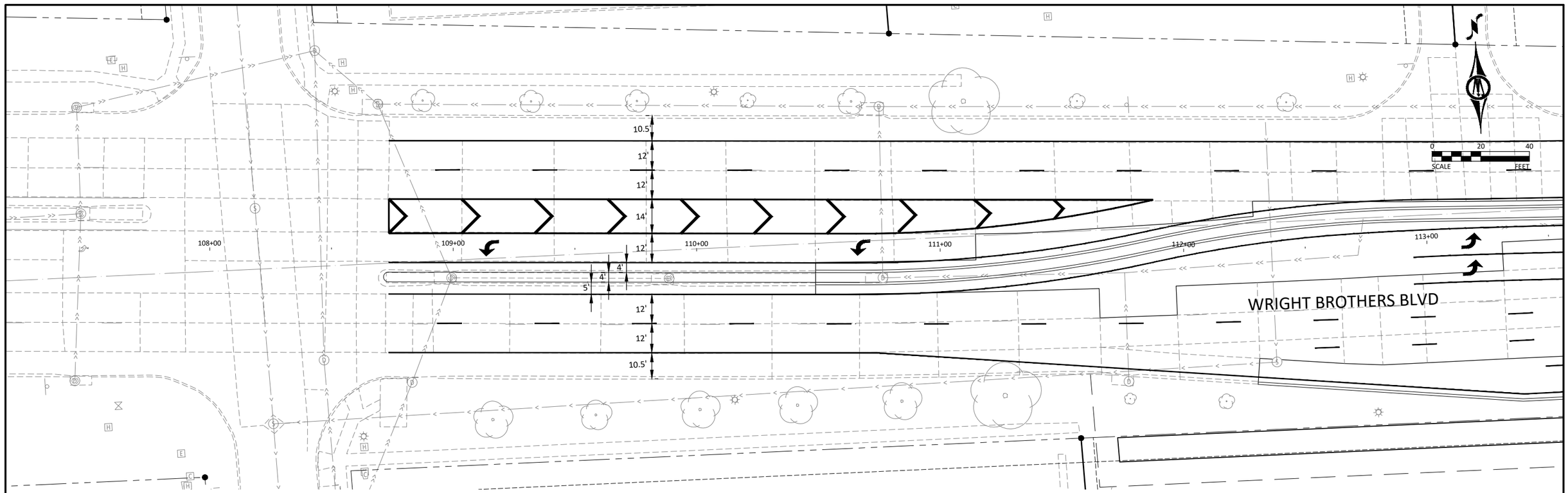
PEDESTRIAN PUSHBUTTON AND SIGNAL FACE MOUNTING

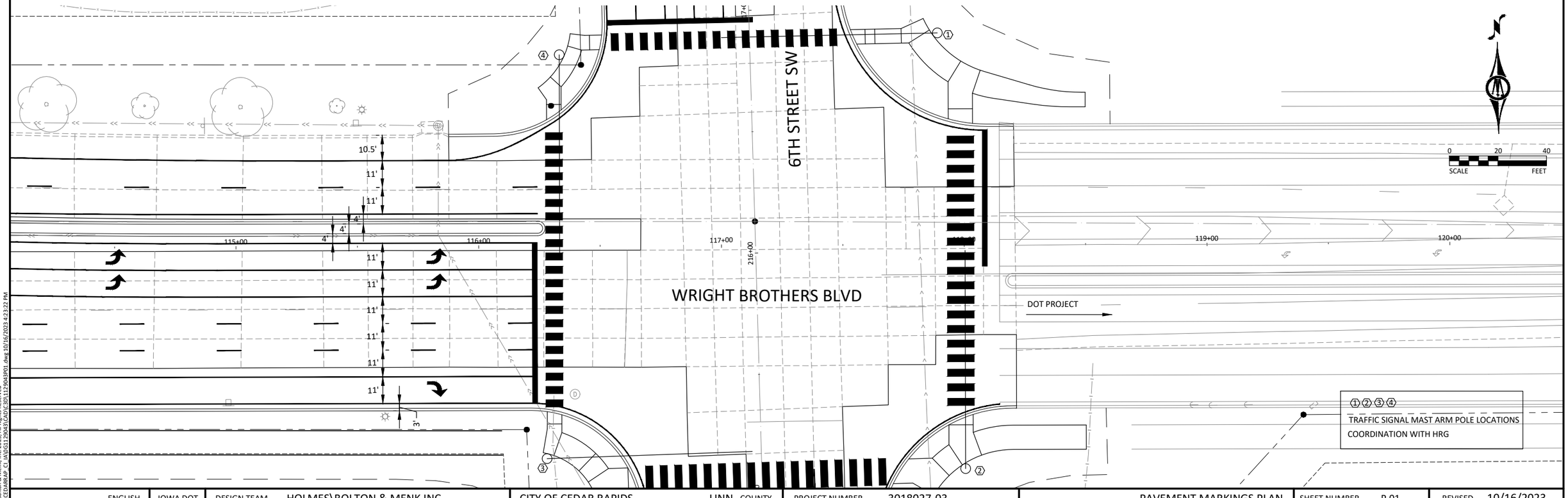
TRAFFIC SIGNAL LAYOUT
EARHART LN SW & WRIGHT BROTHERS BOULEVARD WEST

FILE NO.	ENGLISH	DESIGN TEAM ABRAMS / HR GREEN	LINN COUNTY	PROJECT NUMBER IM-380-6(452)--13-57	SHEET NUMBER N.7	

SYSTEMTIME SYSTEMDATE USERNAME DGNSPEC

© 2023 Microsoft Corporation © 2023 Maxar ©CNES (2023) Distribution Airbus DS





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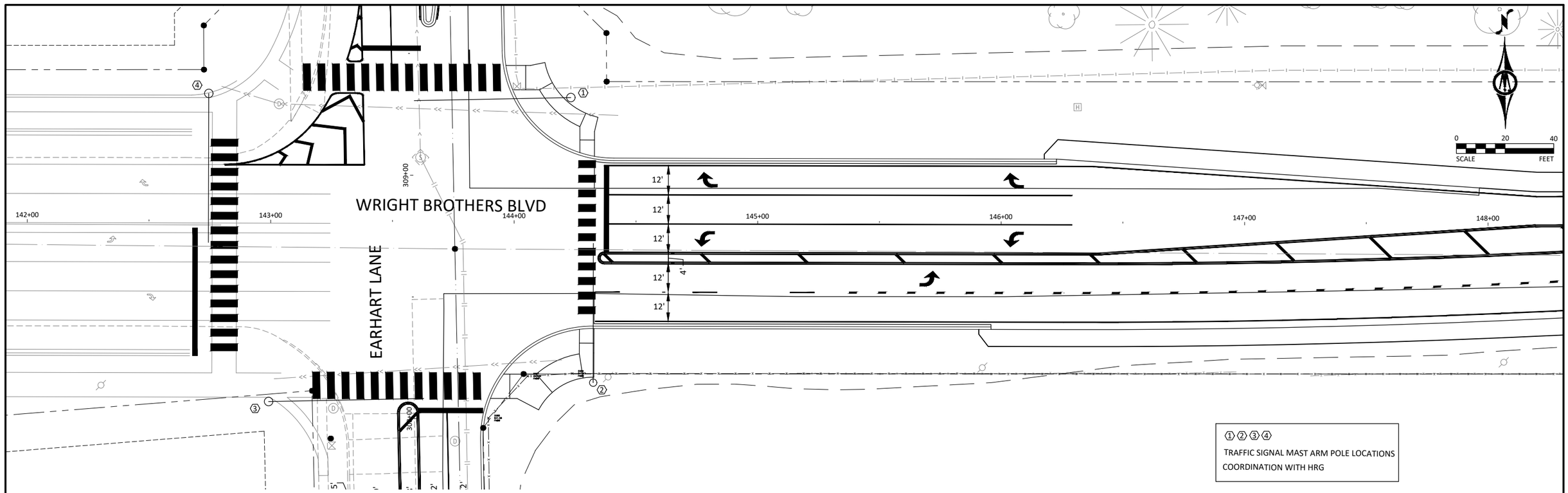
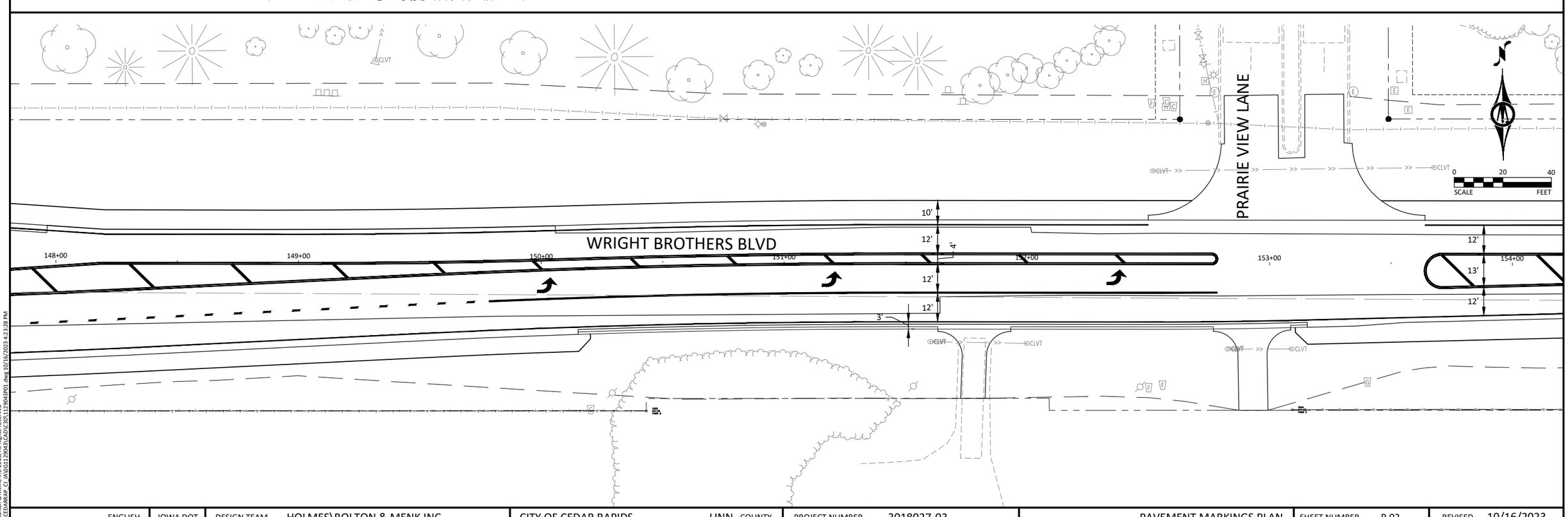
ENGLISH	IOWA DOT	DESIGN TEAM HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER 3018027-03	PAVEMENT MARKINGS PLAN	SHEET NUMBER P.01	REVISED 10/16/2023





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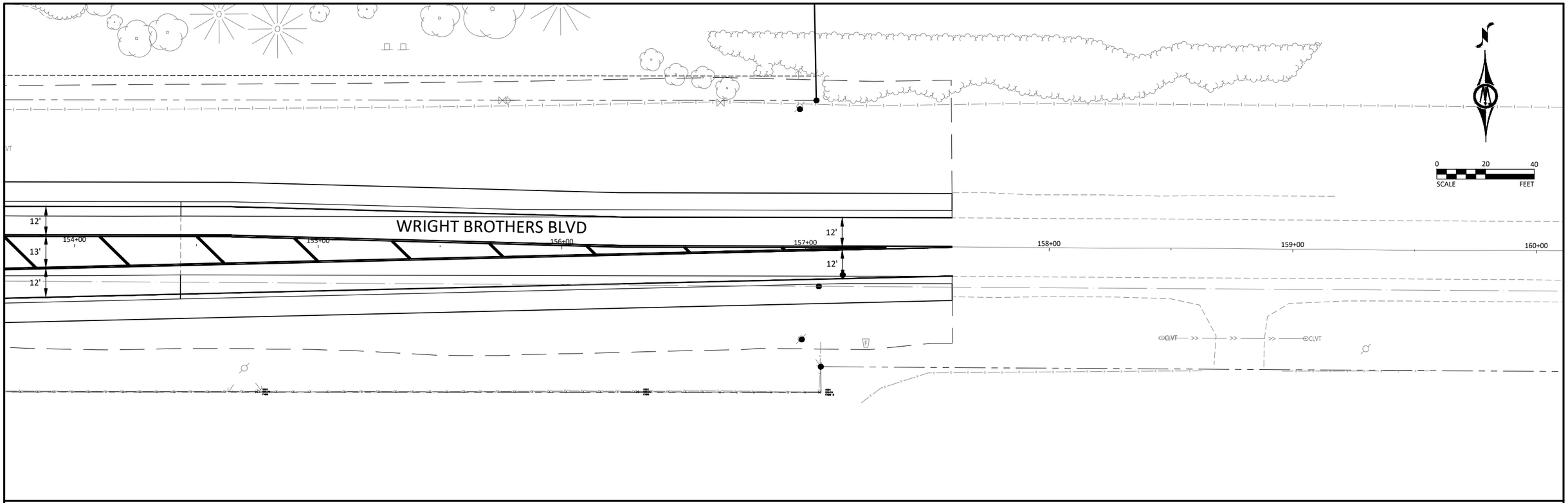
ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	PAVEMENT MARKINGS PLAN	SHEET NUMBER	P.02	REVISED	10/16/2023



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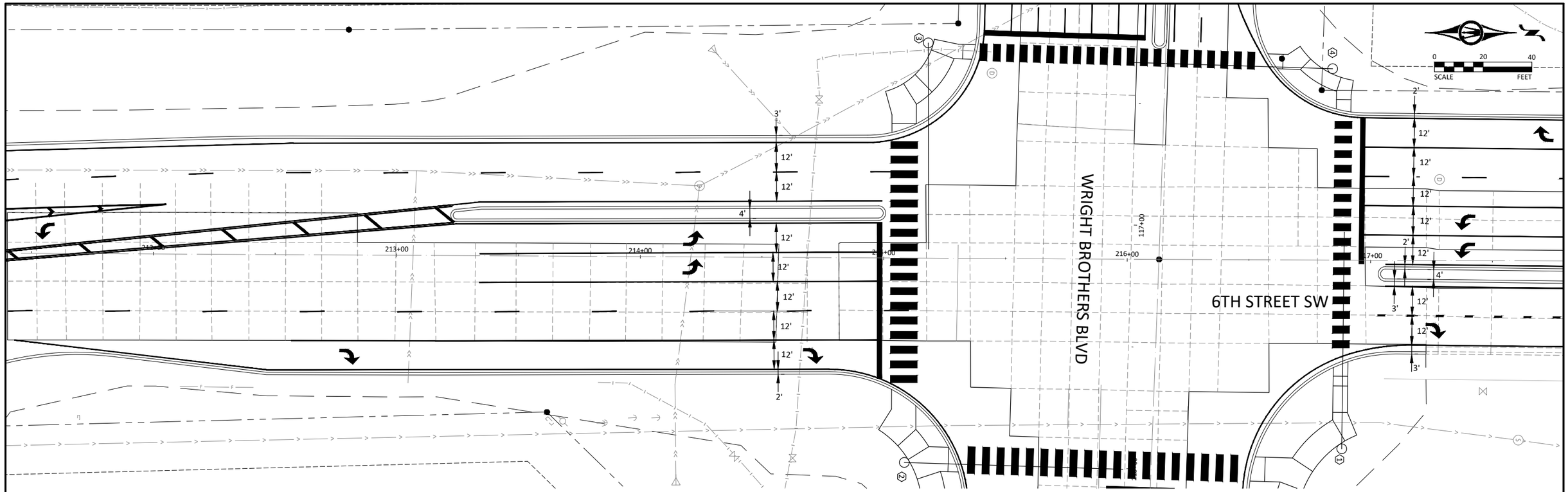
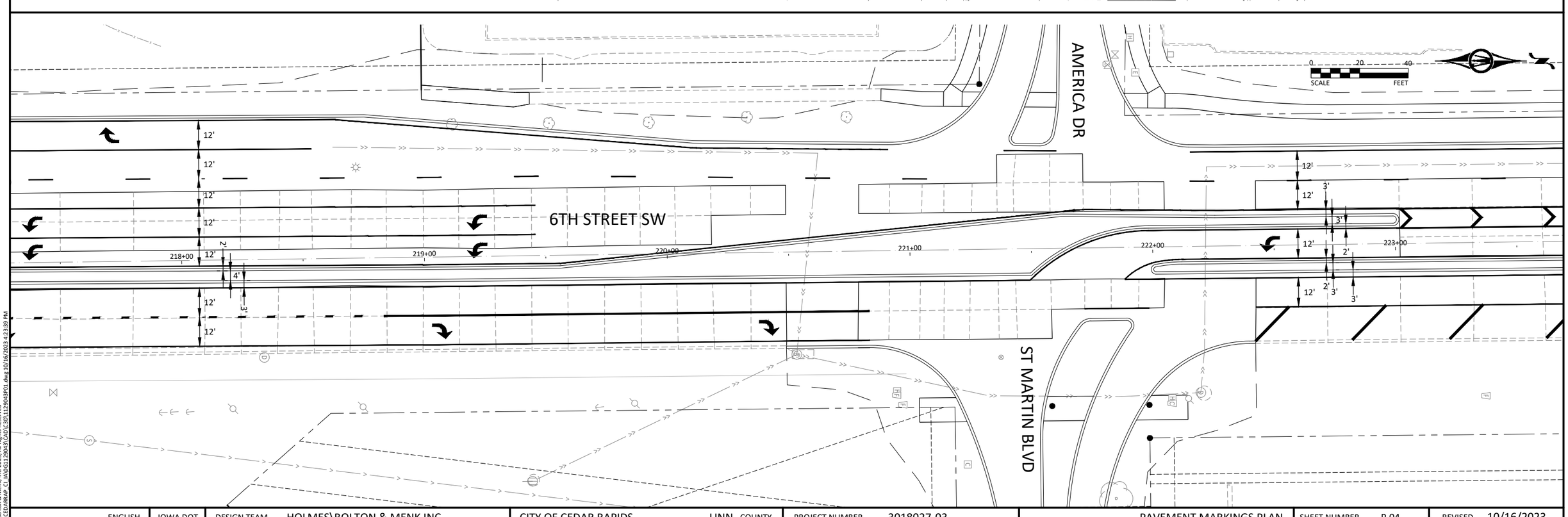
ENGLISH	IOWA DOT	DESIGN TEAM HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER 3018027-03	PAVEMENT MARKINGS PLAN	SHEET NUMBER P.03	REVISED 10/16/2023





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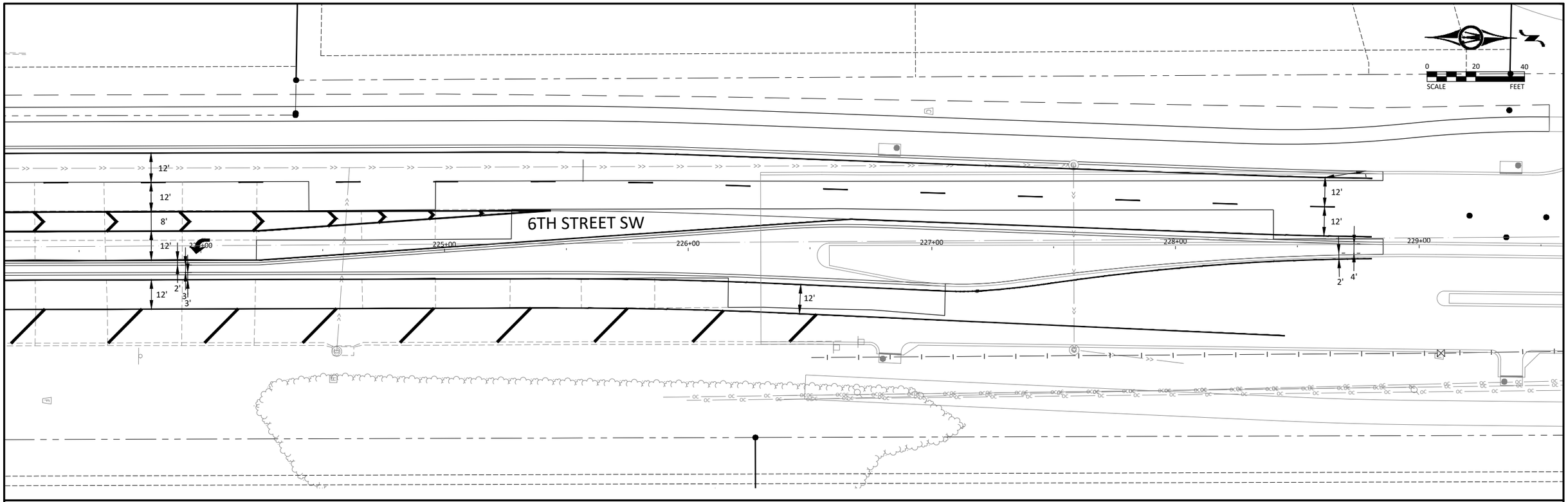
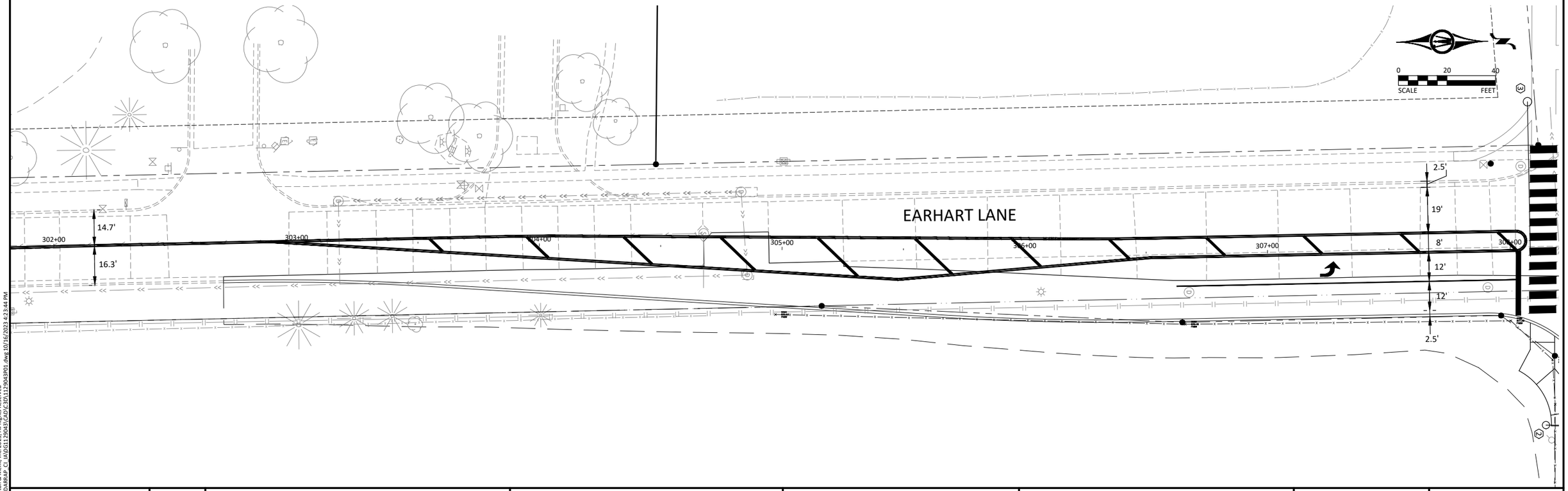
ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	PAVEMENT MARKINGS PLAN	SHEET NUMBER	P.04	REVISED	10/16/2023





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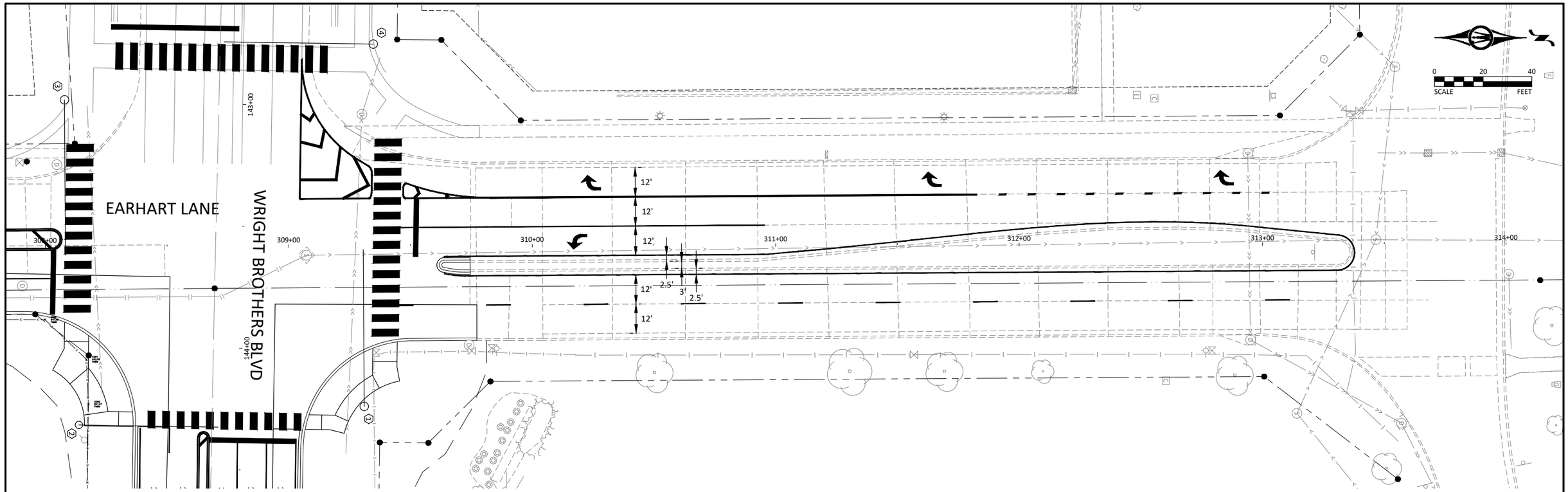
ENGLISH	IOWA DOT	DESIGN TEAM HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER 3018027-03	PAVEMENT MARKINGS PLAN	SHEET NUMBER P.05	REVISED 10/16/2023



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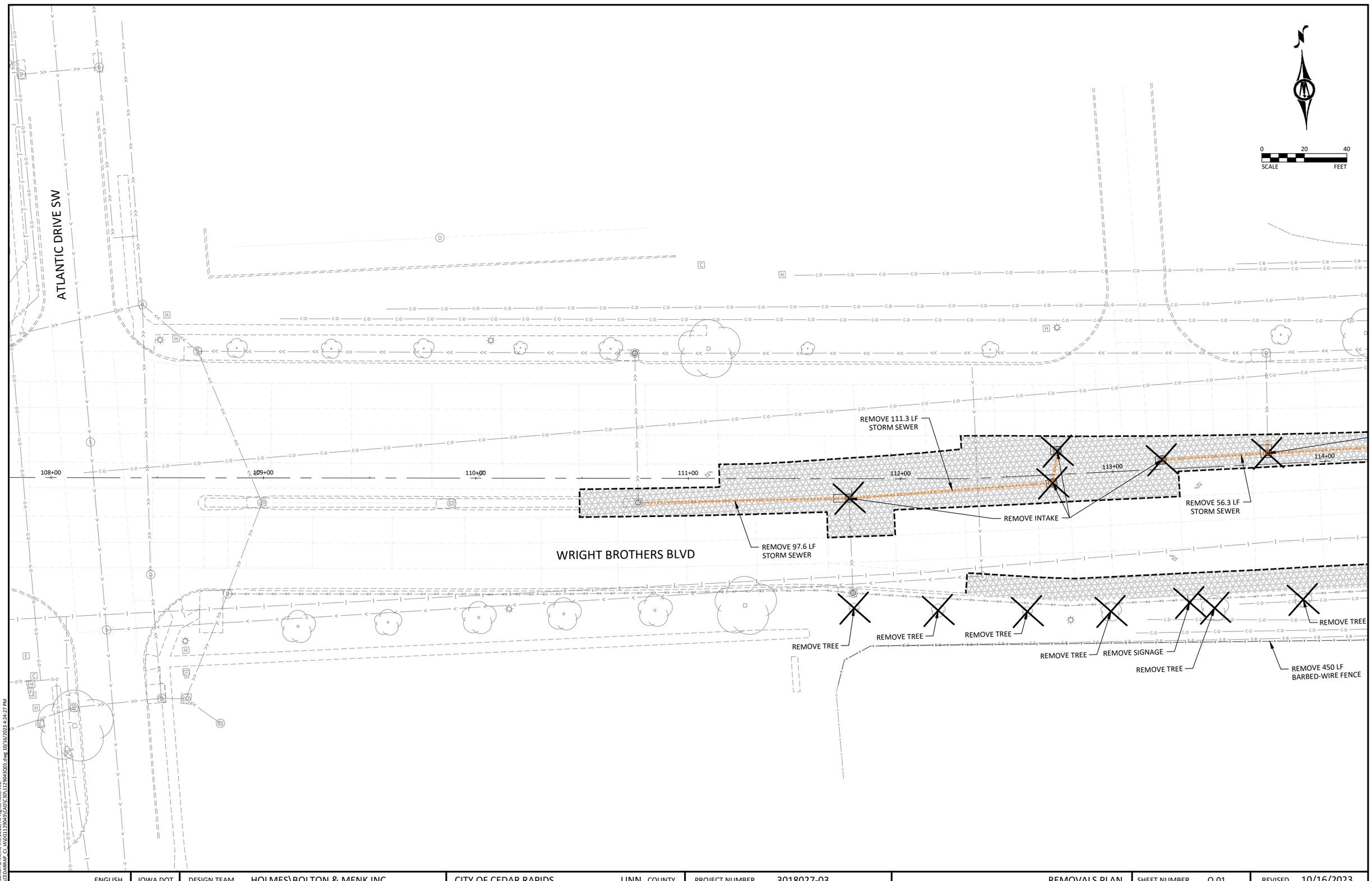
ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	PAVEMENT MARKINGS PLAN	SHEET NUMBER	P.06	REVISED	10/16/2023



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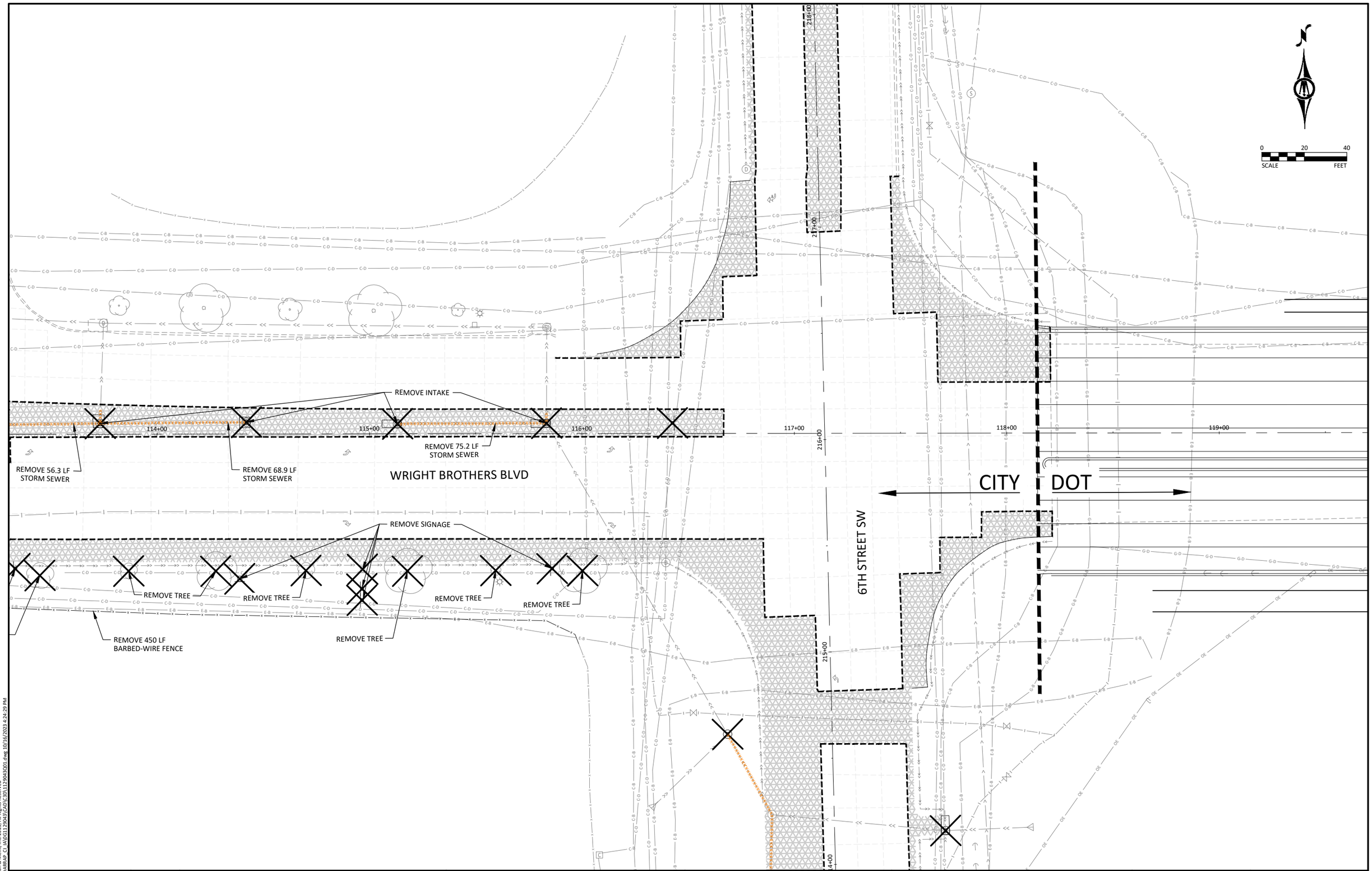

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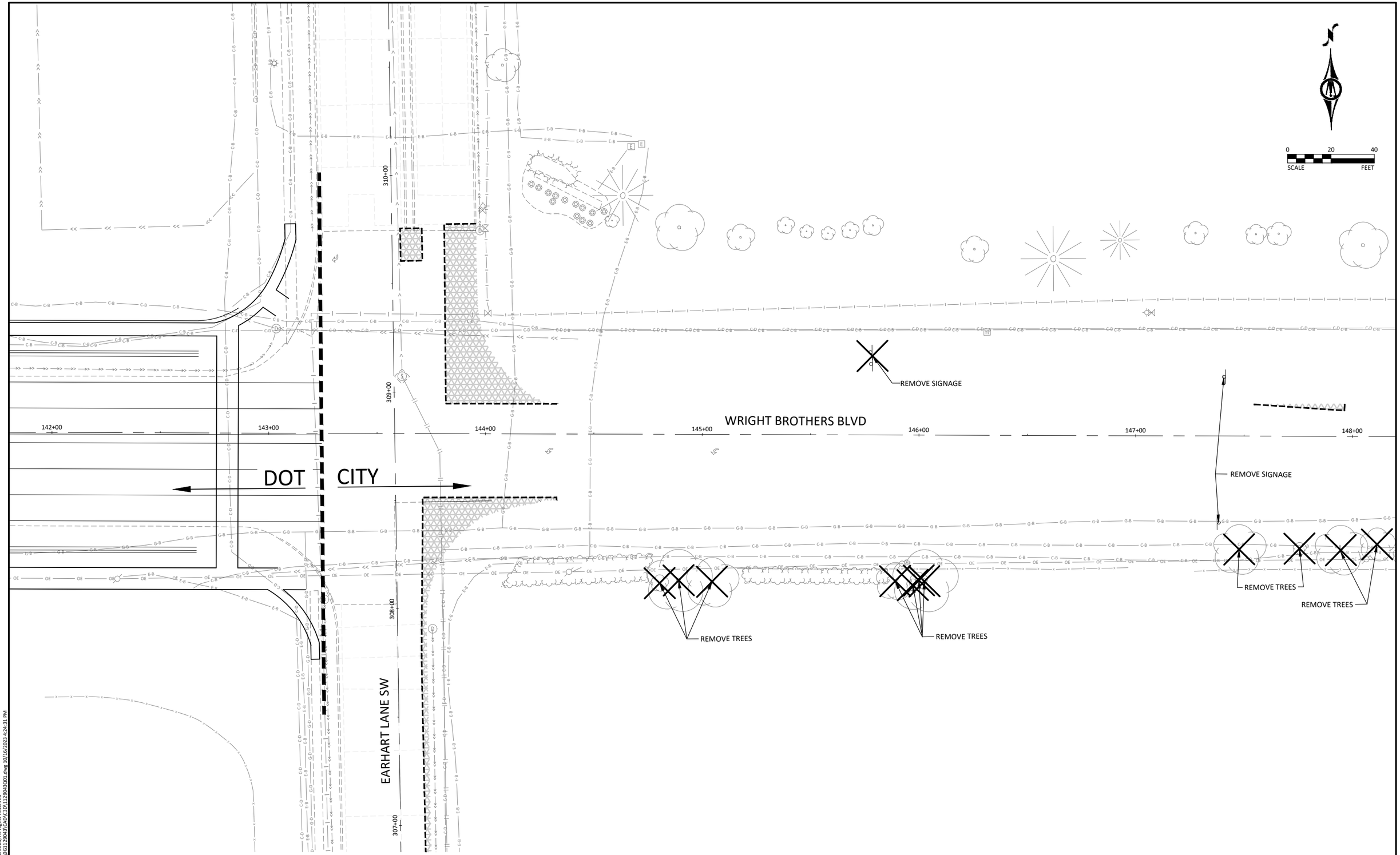
ENGLISH	IOWA DOT	DESIGN TEAM HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER 3018027-03	REMOVALS PLAN	SHEET NUMBER Q.02	REVISED 10/16/2023



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ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	REMOVALS PLAN	SHEET NUMBER	Q.03	REVISED	10/16/2023

0 20 40
SCALE FEET

PRAIRIE VIEW LANE SW

351+00

REMOVE SIGNAGE

REMOVE SIGNAGE

WRIGHT BROTHERS BLVD

148+00 149+00 150+00 151+00 152+00 153+00

350+00

REMOVE SIGNAGE

REMOVE TREE

REMOVE TREES

REMOVE TREES

REMOVE TREES

0 20 40
SCALE FEET

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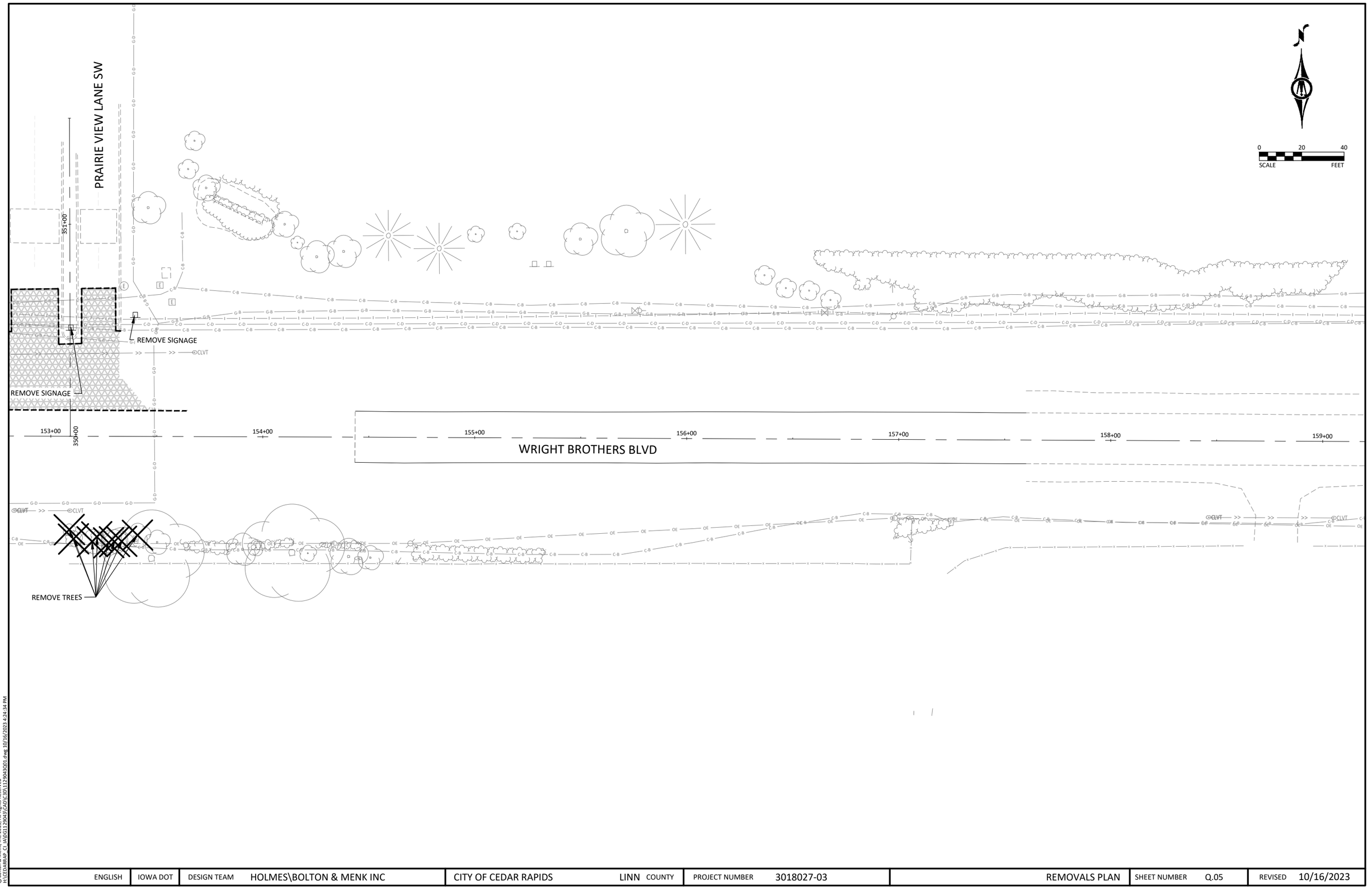
ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	REMOVALS PLAN	SHEET NUMBER	Q.04	REVISED	10/16/2023



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ENGLISH	IOWA DOT	DESIGN TEAM HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER 3018027-03	REMOVALS PLAN	SHEET NUMBER Q.05	REVISED 10/16/2023

0 20 40
SCALE FEET

205+00 206+00 207+00 208+00 209+00 210+00

6TH STREET SW

REMOVE INTAKE AND REMOVE SIGN

REMOVE 670 LF STORM PIPE

REMOVE INTAKE

REMOVE SIGNAGE

REMOVE SIGNAGE AND MAILBOXES

REMOVE 39.3 LF STORM SEWER

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ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	REMOVALS PLAN	SHEET NUMBER	Q.06	REVISED	10/16/2023

0 20 40
SCALE FEET

WRIGHT BROTHERS BLVD

6TH STREET SW

REMOVE 670 LF STORM PIPE

REMOVE INTAKE

ABANDON 108.7 LF STORM SEWER

REMOVE INTAKE

REMOVE SIGNAGE AND MAILBOXES

REMOVE SIGNAGE

REMOVE INTAKE

REMOVE SIGNAGE

REMOVE INTAKE

REMOVE INTAKE

REMOVE MANHOLE

REMOVE INTAKE

REMOVE SIGNAGE

ABANDON 53.2 LF STORM SEWER

210+00 211+00 212+00 213+00 214+00 215+00 216+00 116+00 117+00 118+00 119+00

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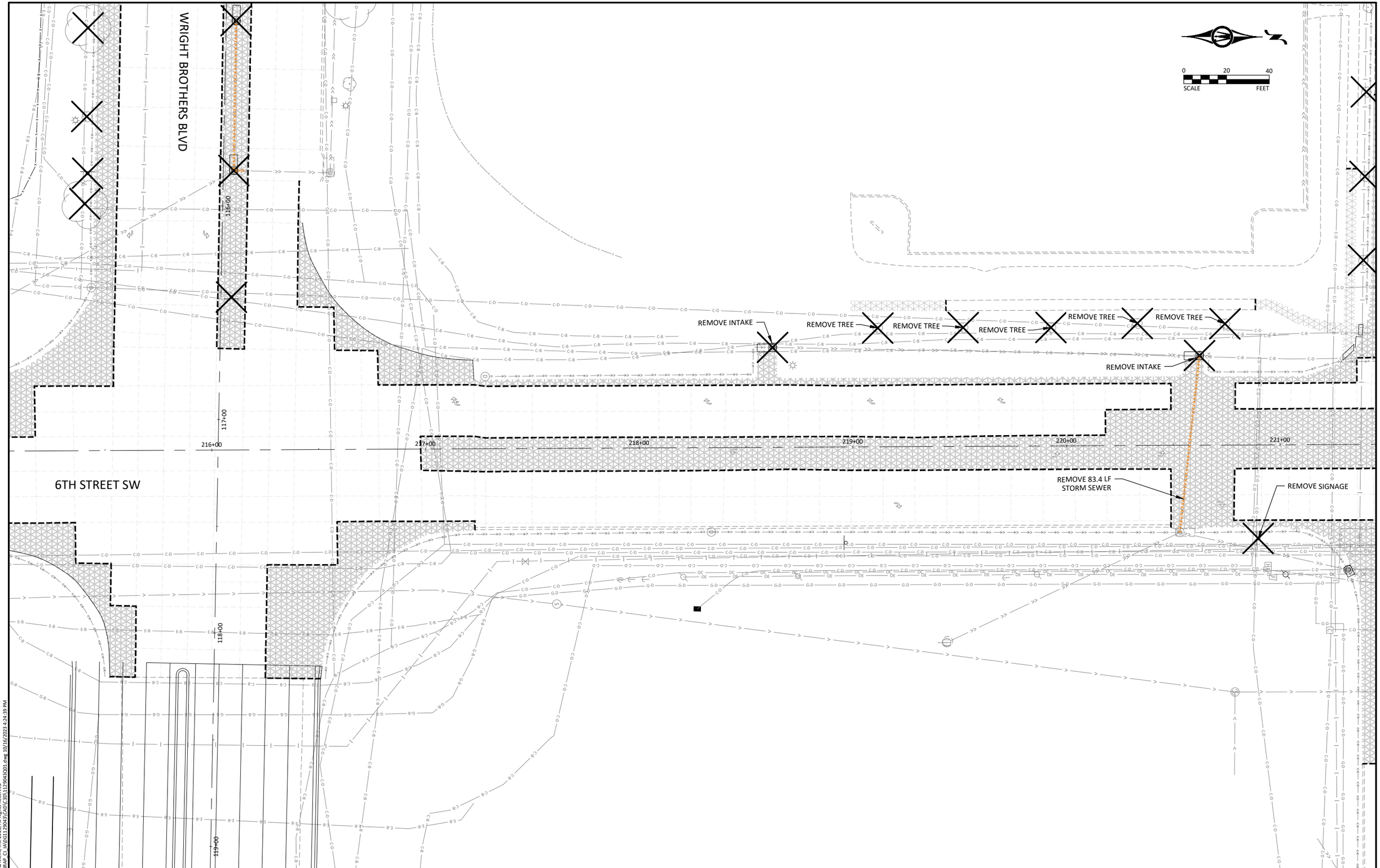
ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	REMOVALS PLAN	SHEET NUMBER	Q.07	REVISED	10/16/2023



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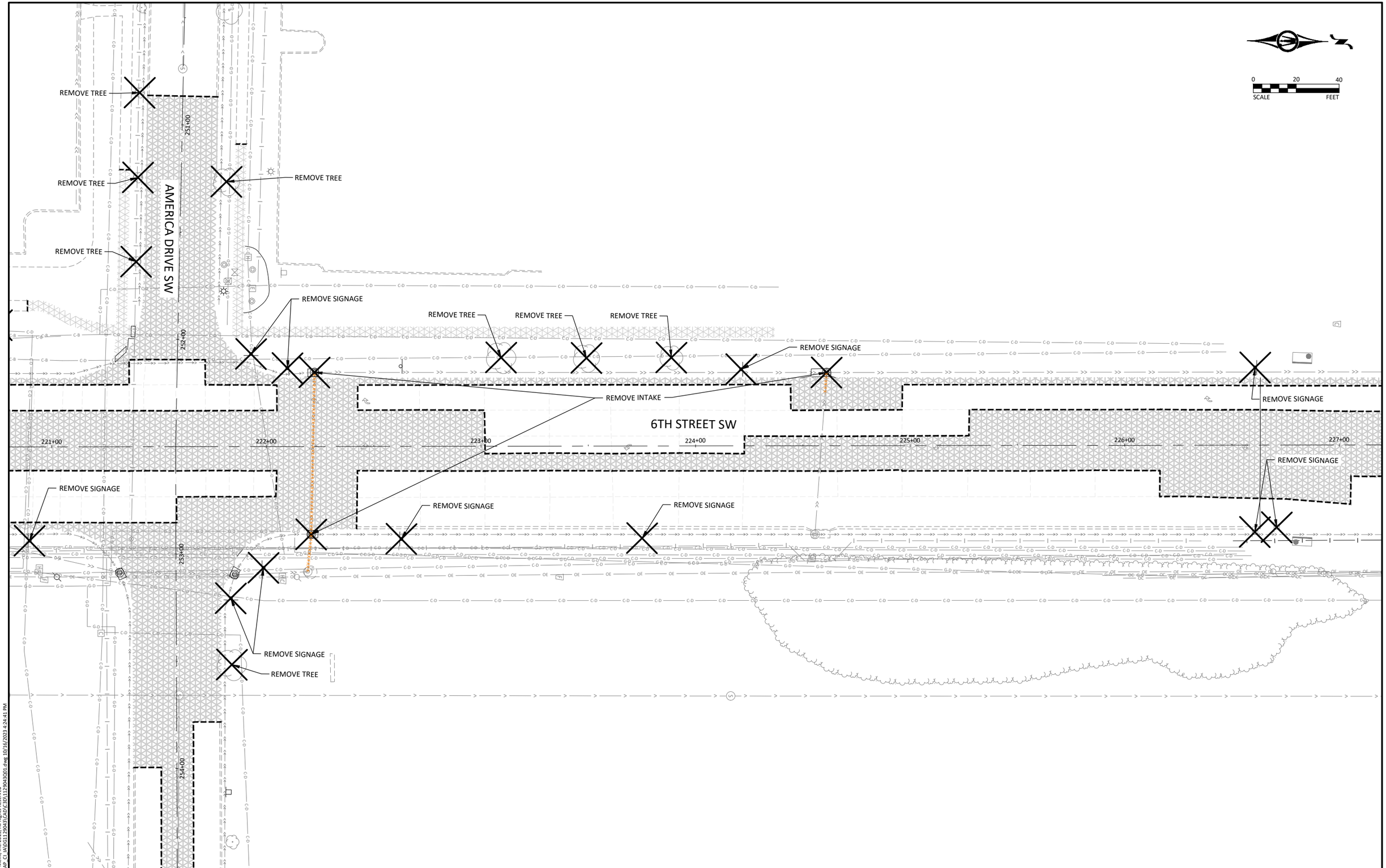
ENGLISH	IOWA DOT	DESIGN TEAM HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER 3018027-03	REMOVALS PLAN	SHEET NUMBER Q.08	REVISED 10/16/2023



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ENGLISH	IOWA DOT	DESIGN TEAM HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER 3018027-03	REMOVALS PLAN	SHEET NUMBER Q.09	REVISED 10/16/2023

0 20 40
SCALE FEET

REMOVE SIGNAGE

REMOVE SIGNAGE

227+00 228+00 229+00 230+00 231+00 232+00

6TH STREET SW

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ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	REMOVALS PLAN	SHEET NUMBER	Q.10	REVISED	10/16/2023

0 20 40
SCALE FEET

REMOVE INTAKES

REMOVE 93.1 LF STORM SEWER

AMERICA DRIVE SW

250+00 251+00 252+00 253+00 254+00

223+00 222+00 221+00 220+00

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ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	REMOVALS PLAN	SHEET NUMBER	Q.11	REVISED	10/16/2023

0 20 40
SCALE FEET

EARHART LANE SW

303+00 304+00 305+00 306+00 307+00 308+00

28 27 26 25

REMOVE & REPLACE 25 LF
SANITARY FORCE MAIN

REMOVE SIGNAGE

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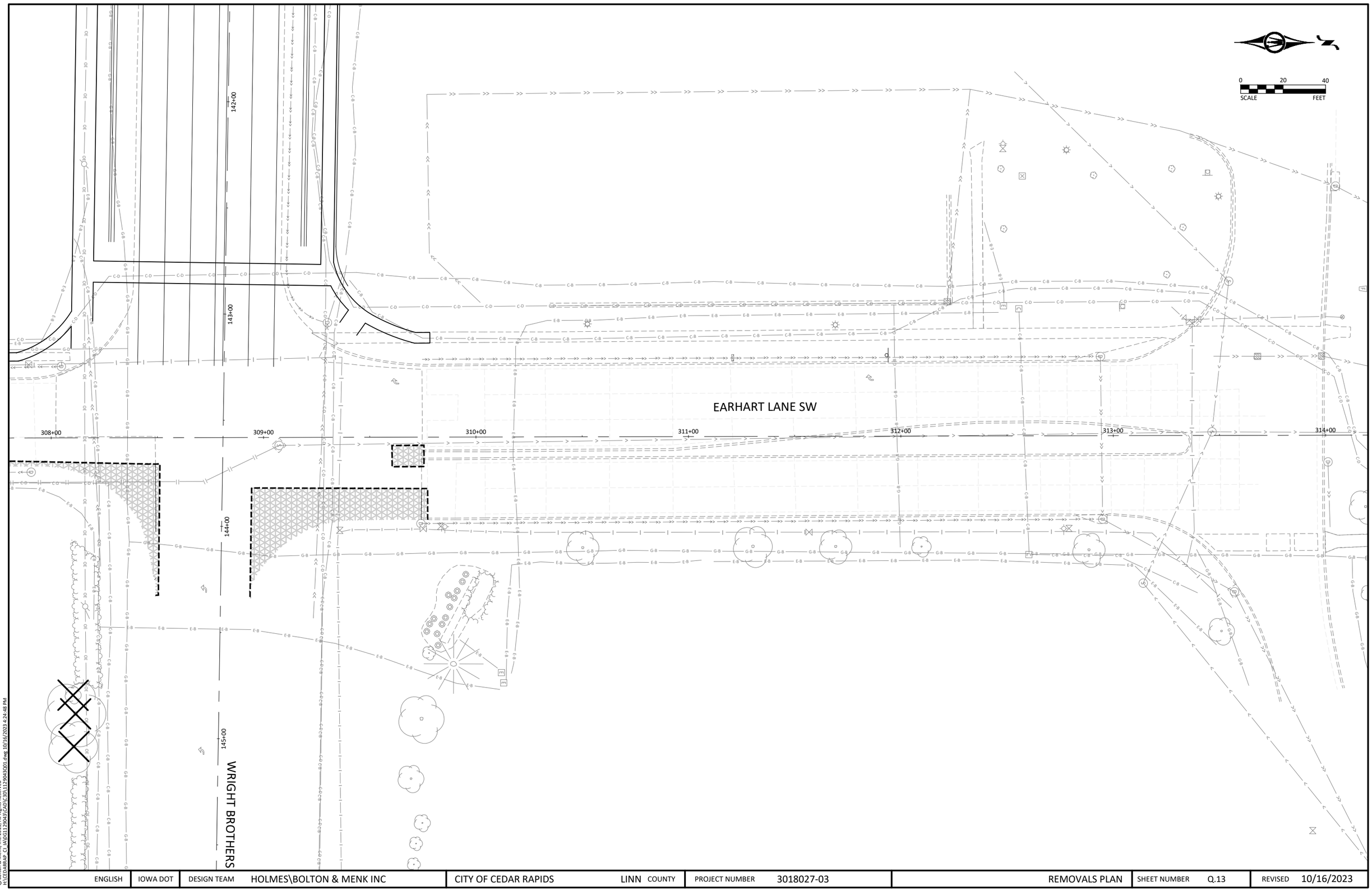
ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	REMOVALS PLAN	SHEET NUMBER	Q.12	REVISED	10/16/2023



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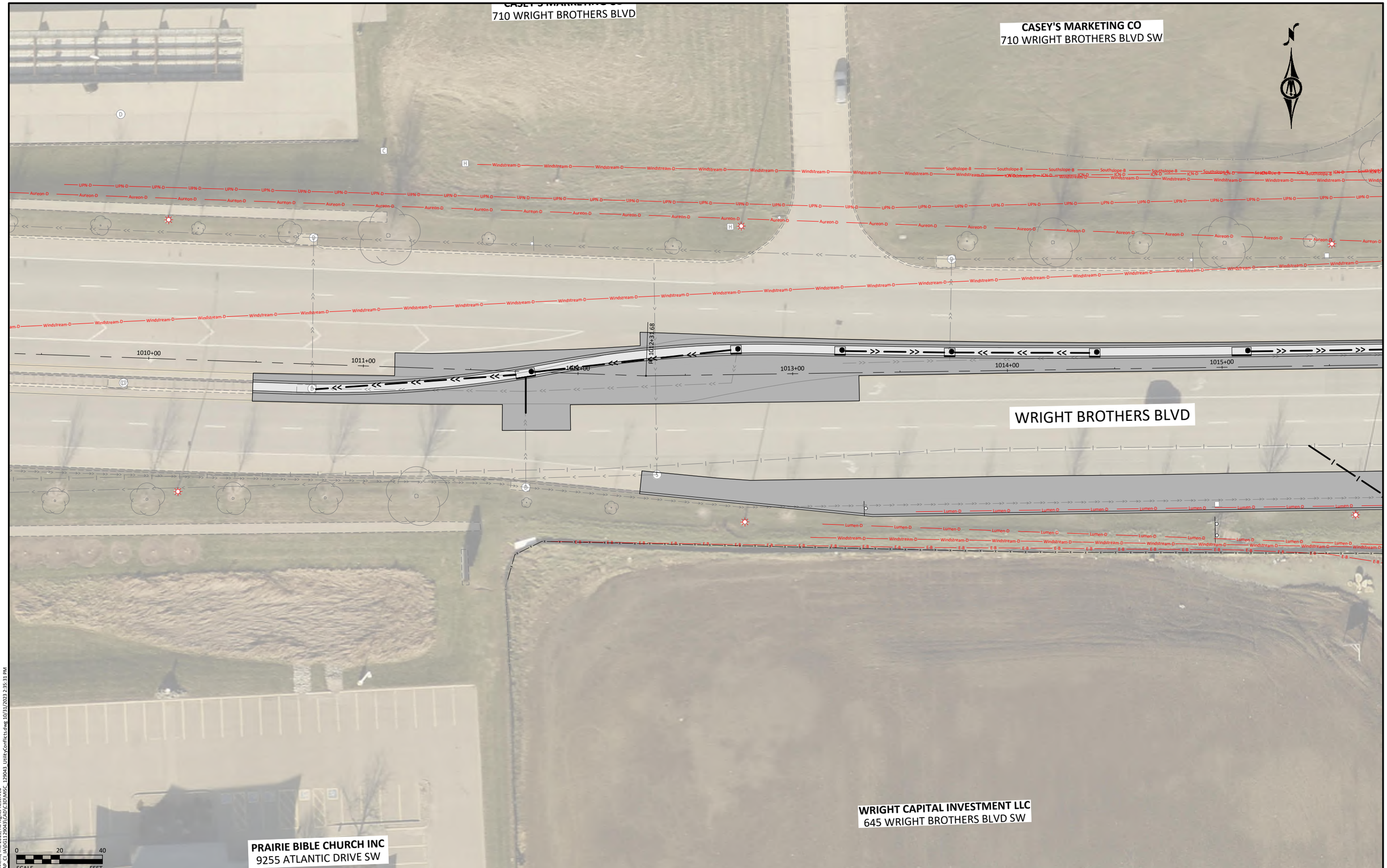
ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	REMOVALS PLAN	SHEET NUMBER	Q.13	REVISED	10/16/2023



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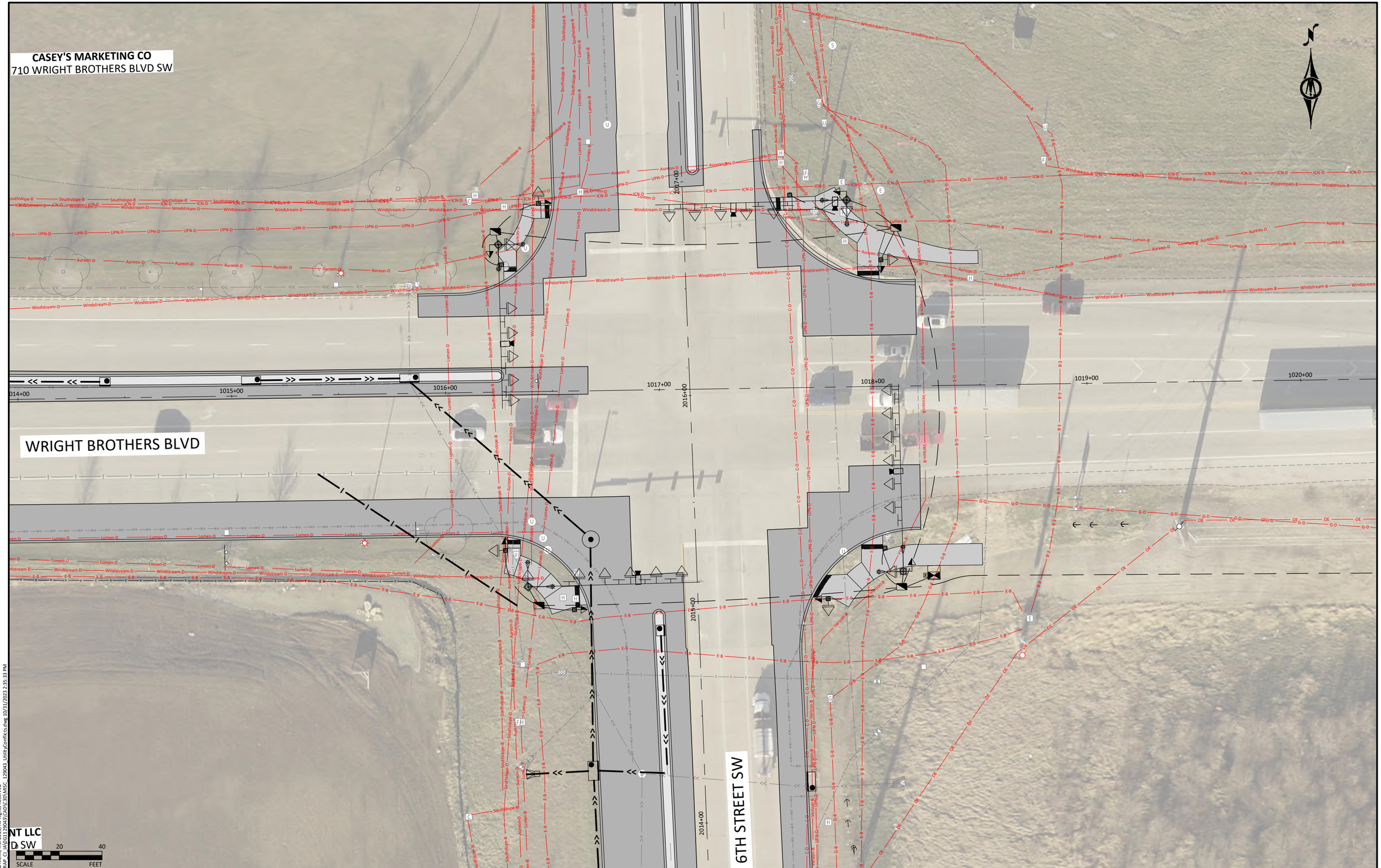
ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	WRIGHT BROTHERS BLVD - UTILITY COORDINATION	SHEET NUMBER	01	REVISED	10/31/2023



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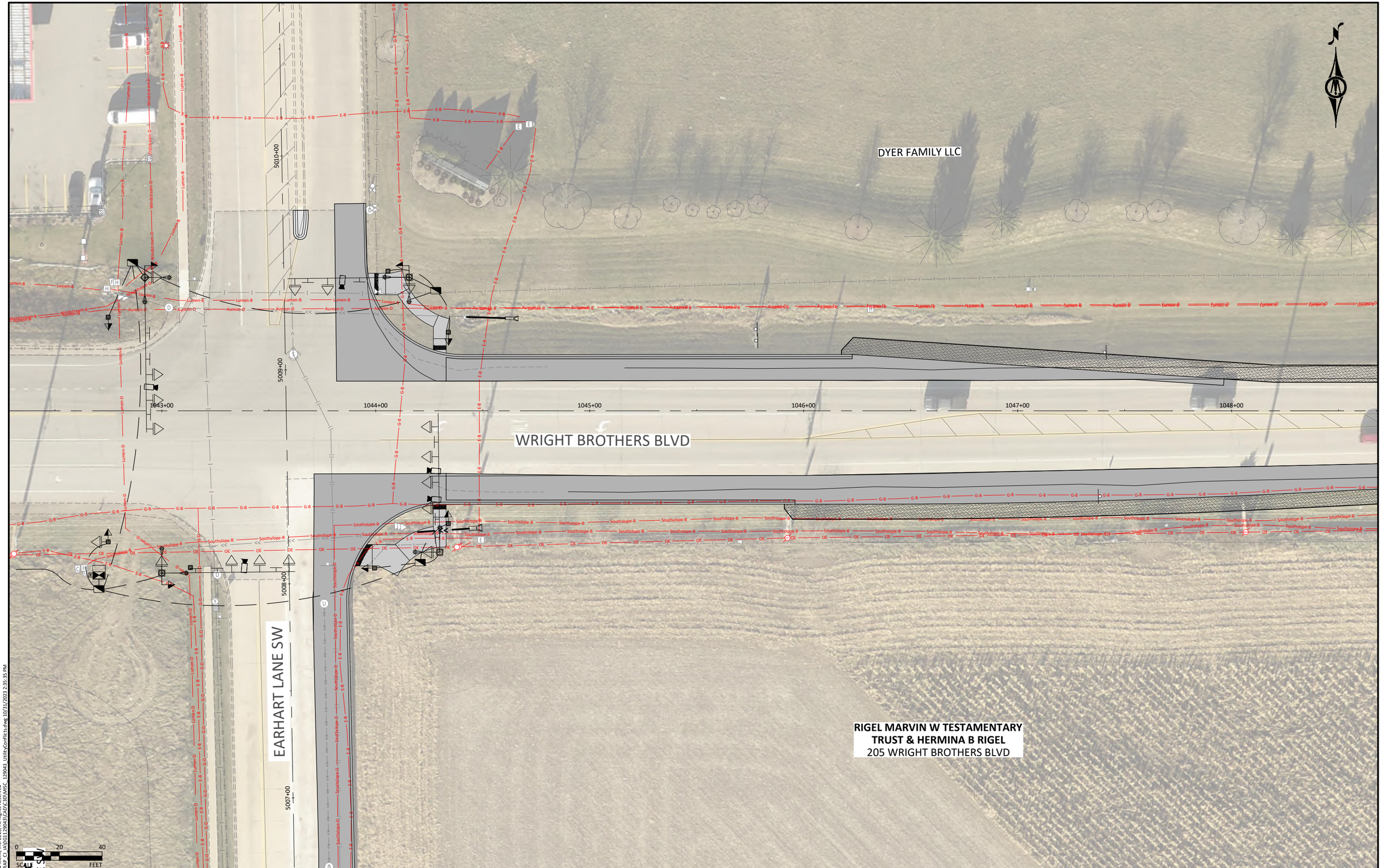
ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	WRIGHT BROTHERS BLVD - UTILITY COORDINATION	SHEET NUMBER	02	REVISED	10/31/2023



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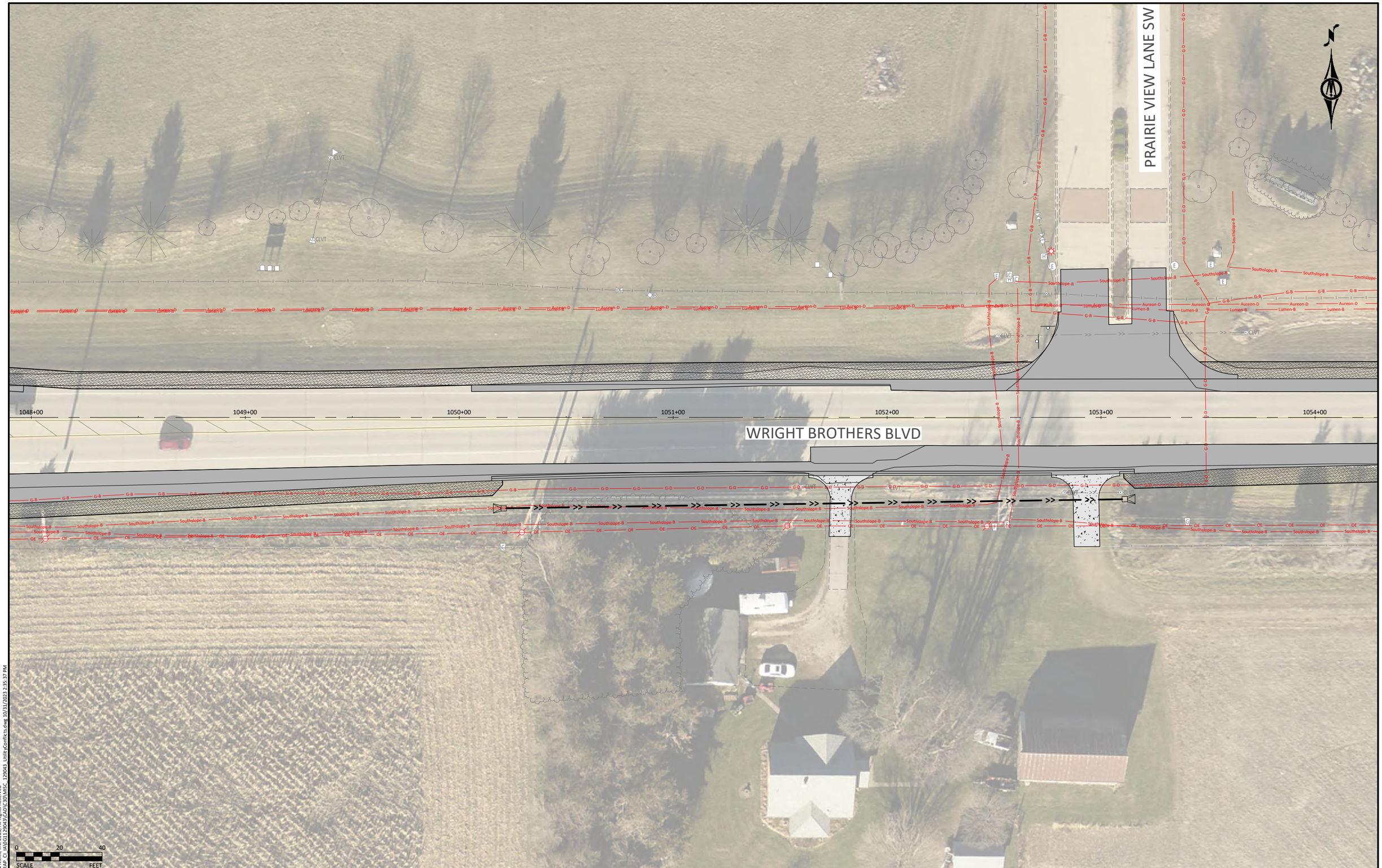
ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	WRIGHT BROTHERS BLVD - UTILITY COORDINATION	SHEET NUMBER	03	REVISED	10/31/2023



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ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	WRIGHT BROTHERS BLVD - UTILITY COORDINATION	SHEET NUMBER	04	REVISED 10/31/2023

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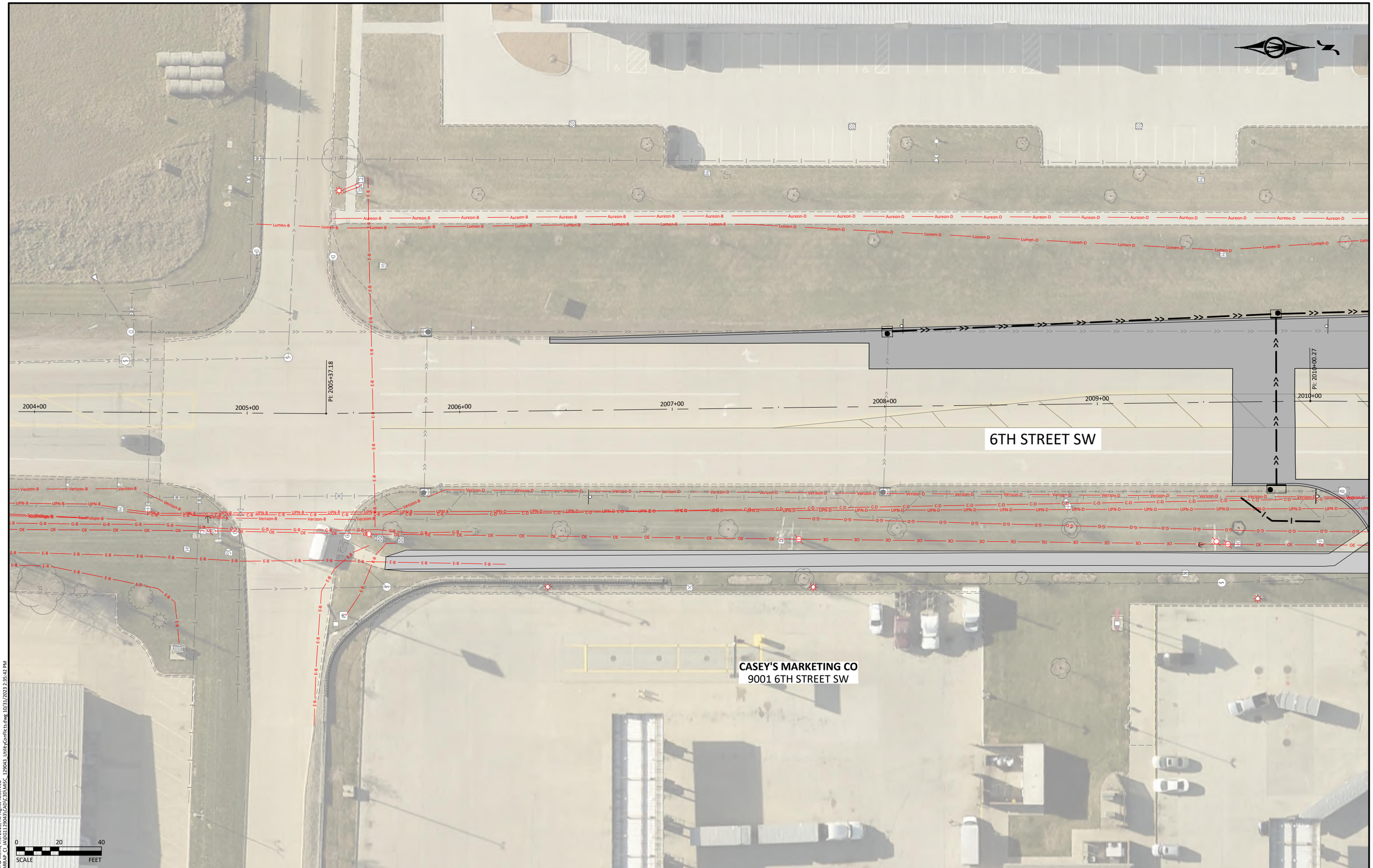
ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	WRIGHT BROTHERS BLVD - UTILITY COORDINATION	SHEET NUMBER 05	REVISED 10/31/2023



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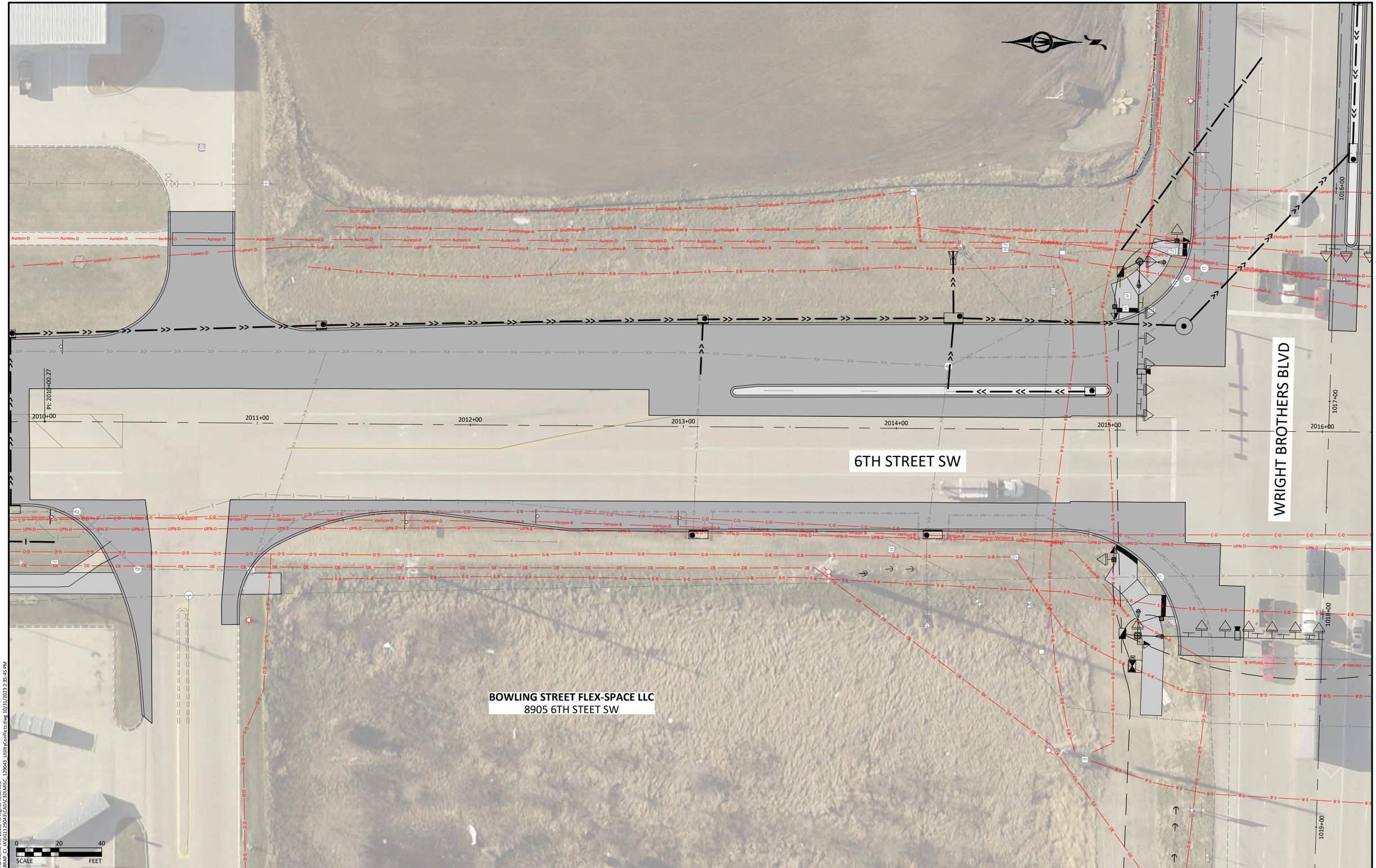
ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	WRIGHT BROTHERS BLVD - UTILITY COORDINATION	SHEET NUMBER	06	REVISED	10/31/2023



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ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	WRIGHT BROTHERS BLVD - UTILITY COORDINATION	SHEET NUMBER	07	REVISED	10/31/2023

CASEY'S MARKETING CO
710 WRIGHT BROTHERS BLVD SW

MEERA ENTERPRISE LLC
645 AMERICA DRIVE SW

WRIGHT BROTHERS BLVD

6TH STREET SW

2015+00 2016+00 2017+00 2018+00 2019+00 2020+00

1016+00 1017+00 1018+00 1019+00

move intake north, relay pipe to area intake. Need room to lay pipe, avoid extra panels.

WOODSPRING SUITES ON
8810 RUNWAY CT SW

WOODSPRING SUIT
8860 RUNWAY

0 20 40
SCALE FEET

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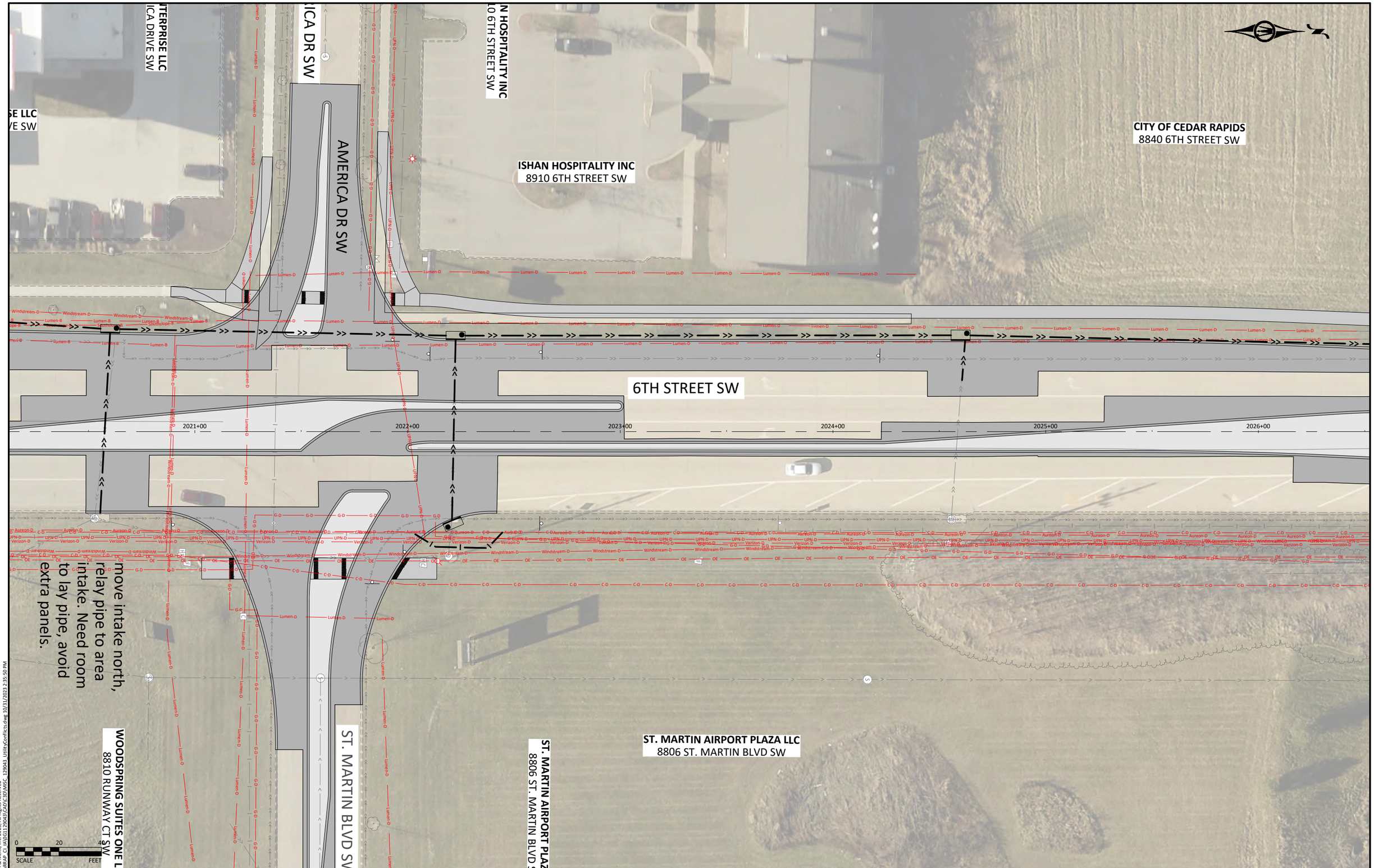
ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	WRIGHT BROTHERS BLVD - UTILITY COORDINATION	SHEET NUMBER	08	REVISED	10/31/2023



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ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	WRIGHT BROTHERS BLVD - UTILITY COORDINATION	SHEET NUMBER	09	REVISED	10/31/2023

CITY OF CEDAR RAPIDS
8840 6TH STREET SW

2026+00 2027+00 2028+00 2029+00 2030+00 2031+00

6TH STREET SW

0 20 40
SCALE FEET

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ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	WRIGHT BROTHERS BLVD - UTILITY COORDINATION	SHEET NUMBER	10	REVISED	10/31/2023

NCS PEARSON INC
9200 EARHART LANE SW

NCS PEARSON INC
9040 EARHART LANE SW

EARHART LANE SW

RIGEL MARVIN W TESTAMENTARY
TRUST & HERMINA B RIGEL
205 WRIGHT BROTHERS BLVD

5002+00
5003+00
5004+00
5005+00
5006+00
5007+00
PI: 5003+33.22
PI: 5006+51.69

Lumen-D
G-D
E-B
Southslope-D
Southslope-B

0 20 40
SCALE FEET

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ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	WRIGHT BROTHERS BLVD - UTILITY COORDINATION	SHEET NUMBER	11	REVISED	10/31/2023

NCS PEARSON INC
9040 EARHART LANE SW

EARHART LANE SW

WRIGHT BROTHERS BLVD

PI: 5006+51.69

5007+00 5008+00 5009+00 5010+00 5011+00 5012+00

1042+00 1043+00 1044+00 1045+00

0 20 40
SCALE FEET

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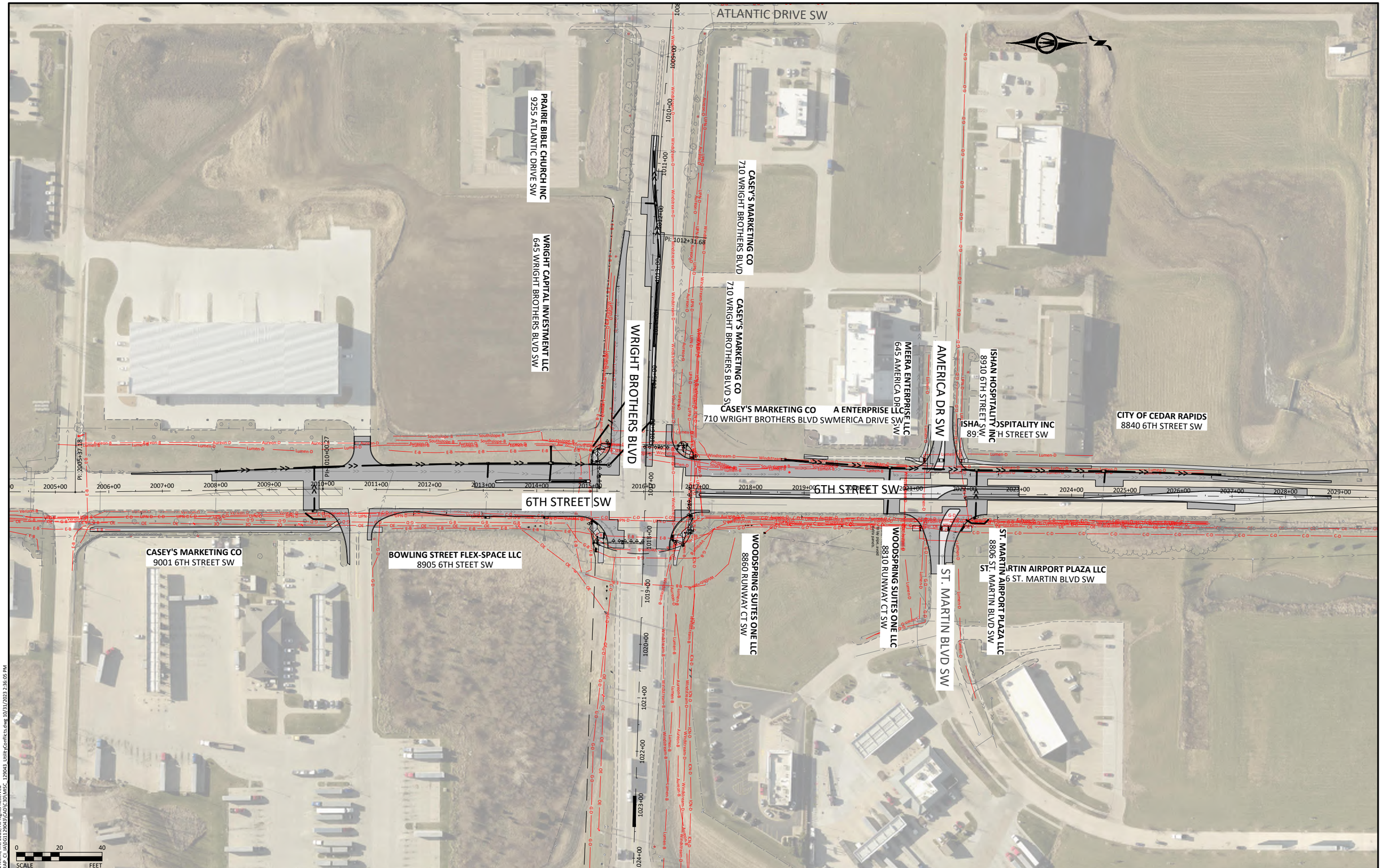
ENGLISH	IOWA DOT	DESIGN TEAM HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER 3018027-03	WRIGHT BROTHERS BLVD - UTILITY COORDINATION	SHEET NUMBER 12	REVISED 10/31/2023



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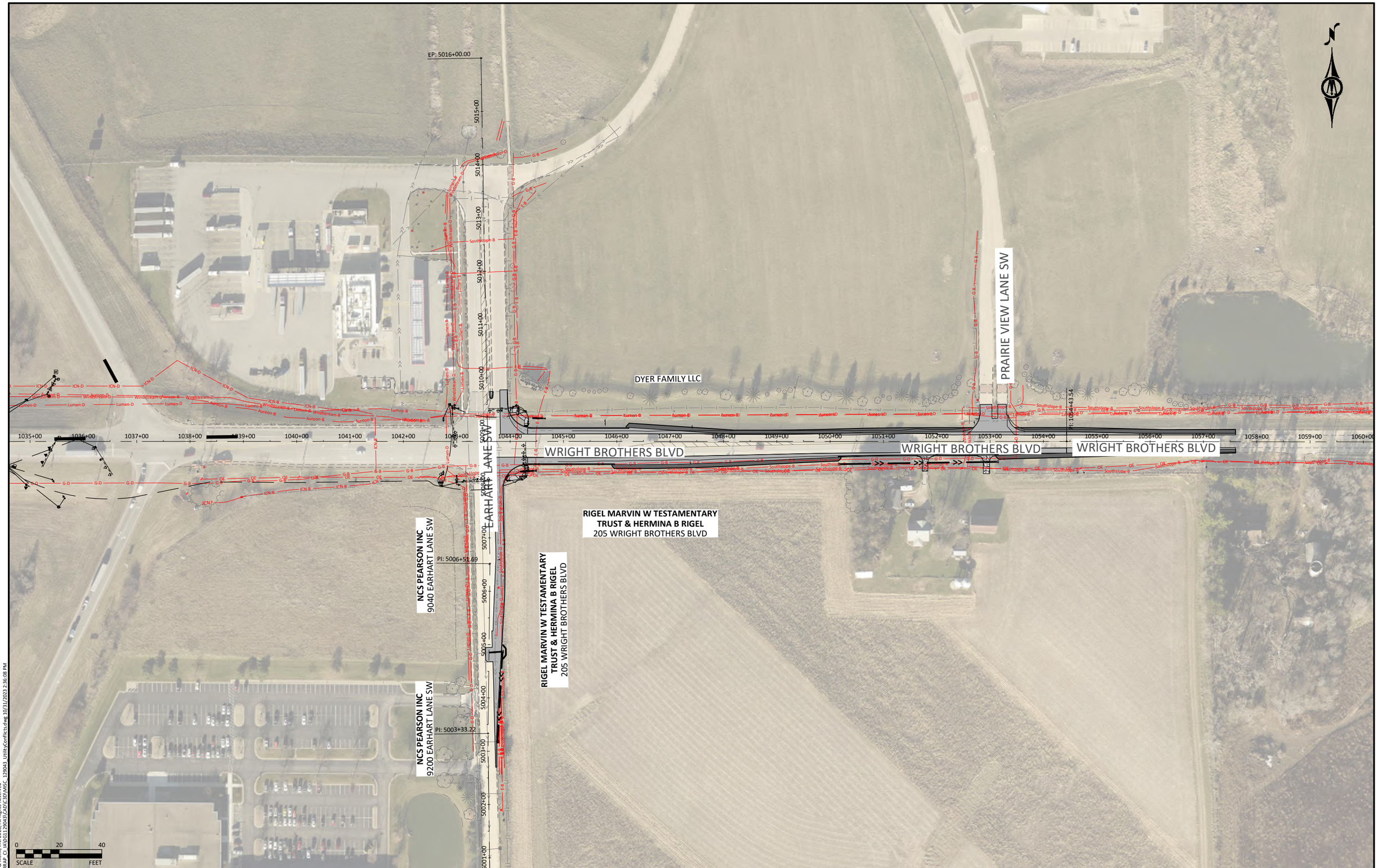
ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	WRIGHT BROTHERS BLVD - UTILITY COORDINATION	SHEET NUMBER	13	REVISED	10/31/2023



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ENGLISH	IOWA DOT	DESIGN TEAM	HOLMES\BOLTON & MENK INC	CITY OF CEDAR RAPIDS	LINN COUNTY	PROJECT NUMBER	3018027-03	WRIGHT BROTHERS BLVD - UTILITY COORDINATION	SHEET NUMBER	14	REVISED	10/31/2023