LETTING DATE 07-21-2026

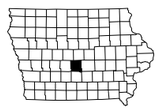
UNKNOWN PAVEMENT - GRADE AND NEW

IM-035-2(455)73--13-77

POLK COUNTY

INDEX OF SHEETS

No.	DESCRIPTION
A Sheets	**Title Sheets**
* A.1	Title Sheet
* A.2 - 3	Location Map Sheets
B Sheets	**Typical Cross Sections and Details**
B.1 - 17	Typical Cross Sections and Details
D Sheets	**Mainline Plan and Profile Sheets**
* D.1	Legend
* D.2 - 9	I-35
* D.10 - 19	I-80/35
* D.20 - 21	I-80
* D.22 - 35	I-235
E Sheets	**Side Road Plan and Profile Sheets**
* E.1	Ashworth Road
* E.2	Ashworth Road Pedestrian Trail
* E.3	Westown Parkway
* E.4	University Avenue
* E.5	60th Street
* E.6	50th Street
* E.7	42nd Street
* E.8	Jordan Creek Parkway
* E.9	Valley West Drive
G Sheets	**Survey Sheets**
G.1	Reference Ties and Bench Marks
G.2 - 4	Horizontal Alignment Information
G.5	Superelevation Tabulation
J Sheets	**Traffic Control and Staging Sheets**
* J.1 - 2	Staging Narrative
* J.3	Traffic Control & Staging Legend & Symbol Info. Sheet
* J.4 - 15	Typical Cross Sections
* J.16 - 22	Detour Plan View Sheets
K Sheets	**Interchange Sheets**
* K.1 - 4	I-80/35 Ramp D Plan and Profile Sheets
* K.5 - 6	I-80/35 Ramp E Plan and Profile Sheets
* K.7 - 14	I-80/35 Ramp F Plan and Profile Sheets
* K.15 - 16	I-80/35 Ramp G Plan and Profile Sheets
* K.17 - 24	I-80 Westbound Ramp Plan and Profile Sheets
* K.25 - 26	Valley West Drive Ramp B Plan and Profile Sheets
* K.27 - 32	University Avenue Ramp C Plan and Profile Sheets
* K.33 - 36	50th Street Ramp D Plan and Profile Sheets
M Sheets	**Storm Sewer Sheets**
* M.1	University Avenue Ramp C
* M.2	50th Street Ramp D
N Sheets	**Traffic Signal And Signing Sheets**
* N.1 - 3	Signing Layout Sheets
U Sheets	**500 Series, Mod.Stds. and Detail Sheets**
* U.1	I-80/35 Ramp D 16' Entrance Standard
* U.2	I-80/35 Ramp E Loop Entrance Parallel
* U.3	I-80/35 Ramp F 24' Entrance Parallel
* U.4	I-80/35 Ramp G Loop Exit Parallel
* U.5	I-80/35 Ramp G Loop Entrance Parallel
* U.6	Valley West Drive Ramp B 16' Exit Parallel
* U.7	University Avenue Ramp C 16' Entrance Parallel
* U.8	50th Street Ramp D 16' Entrance Parallel



IOWA DOT

PLANS OF PROPOSED IMPROVEMENT ON THE

INTERSTATE ROAD SYSTEM

POLK COUNTY

Unknown Pavement - Grade and New

SW I-35/80/235 Interchange in West Des Moines

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
	506
PROJECT IDENTIFICATION NUMBER	
16-77-035-050	
PROJECT NUMBER	
IM-035-2(455)73--13-77	
R.O.W. PROJECT NUMBER	
IM-035-2(493)73--0E-77	

INDEX OF SHEETS

No.	DESCRIPTION
V Sheets	**Bridge and Culvert Situation Plans**
* V.1 - 15	Bridge and Culvert Situation Plans
* V.16 - 21	Retaining Wall Plan and Profile Sheets
W Sheets	**Mainline Cross Sections**
* W.1	Cross Sections Legend & Symbol Information Sheet
* W.2 - 33	I-35
* W.34 - 62	I-80
* W.63 - 139	I-235
Y Sheets	**Ramp Cross Sections**
* Y.1 - 12	I-80/35 Ramp D Cross Section
* Y.13 - 17	I-80/35 Ramp E Cross Sections
* Y.18 - 87	I-80/35 Ramp F Cross Sections
* Y.88 - 102	I-80/35 Ramp G Cross Sections
* Y.103 - 140	I-80 Westbound Ramp Cross Sections
* Y.141 - 151	Valley West Drive Ramp B Cross Sections
* Y.152 - 196	University Avenue Ramp C Cross Sections
* Y.197 - 206	50th Street Ramp D Cross Sections
	* Color Plan Sheets

INTERSTATE 35 DESIGN DATA URBAN

2022	AADT	78,950	V.P.D.
2050	AADT	126,320	V.P.D.
2050	DHV	6,530	V.P.H.
TRUCKS		8.40	%
Total Design ESALs		--	

INTERSTATE 235 DESIGN DATA URBAN

V.P.D.	90,100	AADT	2220
V.P.D.	–	AADT	5020
V.P.H.	–	DHV	5020
%	6.76	TRUCKS	
–		Total Design ESALs	

INTERSTATE 80/35 DESIGN DATA URBAN

2022	AADT	115,700	V.P.D.
2050	AADT	–	V.P.D.
2050	DHV	–	V.P.H.
TRUCKS		15.02	%
Total Design ESALs		–	

INTERSTATE 80 DESIGN DATA URBAN

2022	AADT	79,600	V.P.D.
2050	AADT	118,050	V.P.D.
2050	DHV	5,960	V.P.H.
TRUCKS		15.10	%
Total Design ESALs		--	

INDEX OF SEALS

SHEET NO.	NAME	TYPE
A.1		Primary Signature Block

PRELIMINARY PLANS

Subject to change by final design.

D3 PLAN - Date: 9-15-2023

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER A.1

5:53:55 PM 9/15/2023 nate.reincke pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_A01_77035455_Z08.dgn

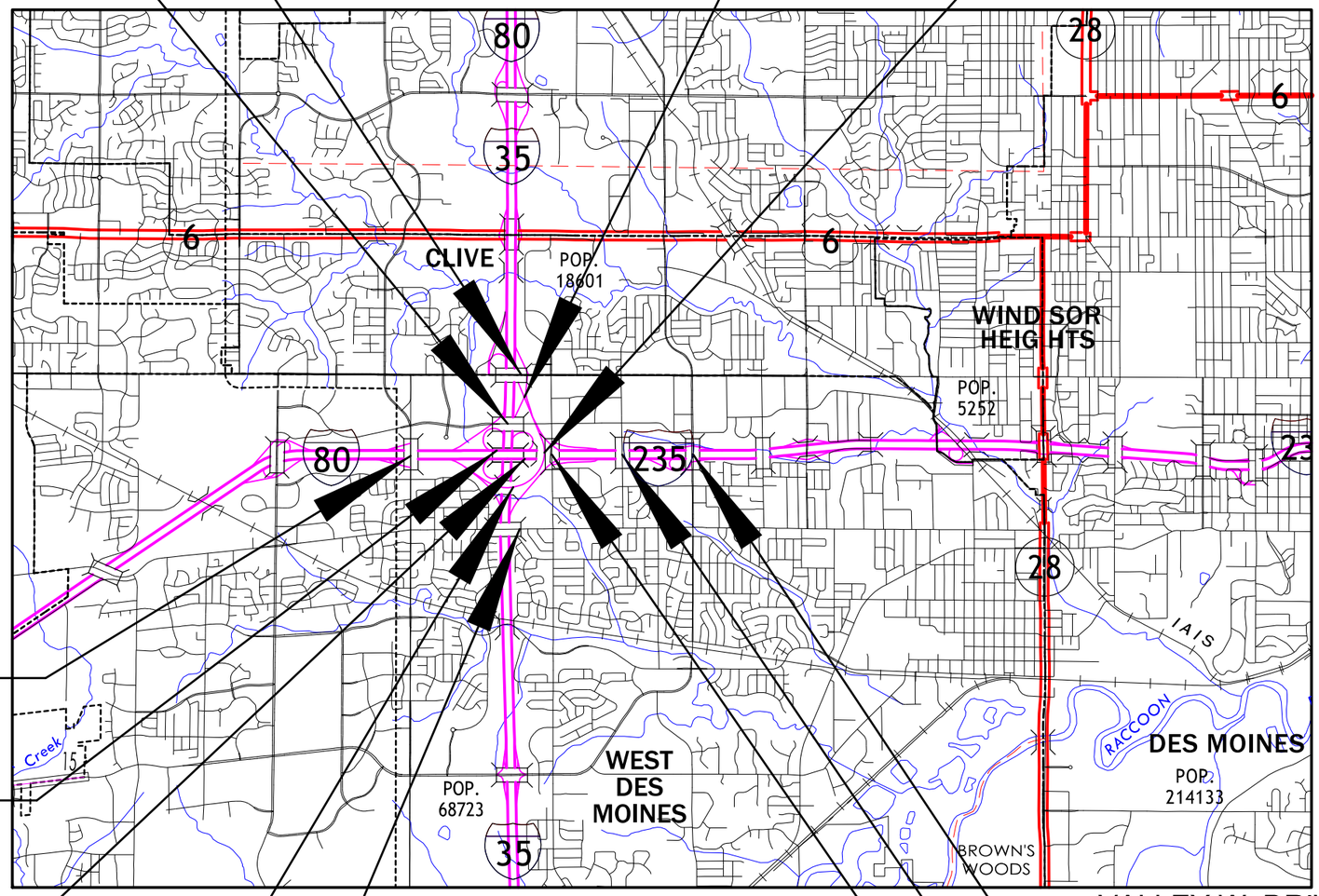
EXISTING BRIDGE MAP

UNIVERSITY AVENUE BRIDGE OVER I-80/35
FHWA BRIDGE No.: 12491
BRIDGE DESIGN No.: 7724.1O080

WESTOWN PKWY BRIDGE OVER I-80/35
FHWA BRIDGE No.: 504480
BRIDGE DESIGN No.: XXXX

UNIVERISTY AVENUE RAMP B BRIDGE OVER I-80/35
FHWA BRIDGE No.: 605405
BRIDGE DESIGN No.: 7723.9A080

I-80 EB BRIDGE OVER I-235
FHWA BRIDGE No.: 42160
BRIDGE DESIGN No.: 7700.2O235



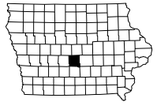
60TH STREET BRIDGE OVER I-80
FHWA BRIDGE No.: 41901
BRIDGE DESIGN No.: 7722.4O080

WB I-235 BRIDGE OVER I-35
FHWA BRIDGE No.: 41920
BRIDGE DESIGN No.: 7700.0L235

EB I-235 BRIDGE OVER I-35
FHWA BRIDGE No.: 41910
BRIDGE DESIGN No.: 7700.0R235

EB I-80 BRIDGE OVER I-35
FHWA BRIDGE No.: 42150
BRIDGE DESIGN No.: 7723.1A080

ASHWORTH ROAD BRIDGE OVER I-35
FHWA BRIDGE No.: 41231
BRIDGE DESIGN No.: 7772.2O035



LOCATION MAP SCALE
0 0.5 1 1.5
Miles

VALLEY W. DRIVE BRIDGE OVER I-235
FHWA BRIDGE No.: 42181
BRIDGE DESIGN No.: XXXX

42ND STREET BRIDGE OVER I-235
FHWA BRIDGE No.: 42171
BRIDGE DESIGN No.: 7700.8O235

50TH STREET BRIDGE OVER I-235
FHWA BRIDGE No.: 12511
BRIDGE DESIGN No.: 7700.7O235

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER A.2

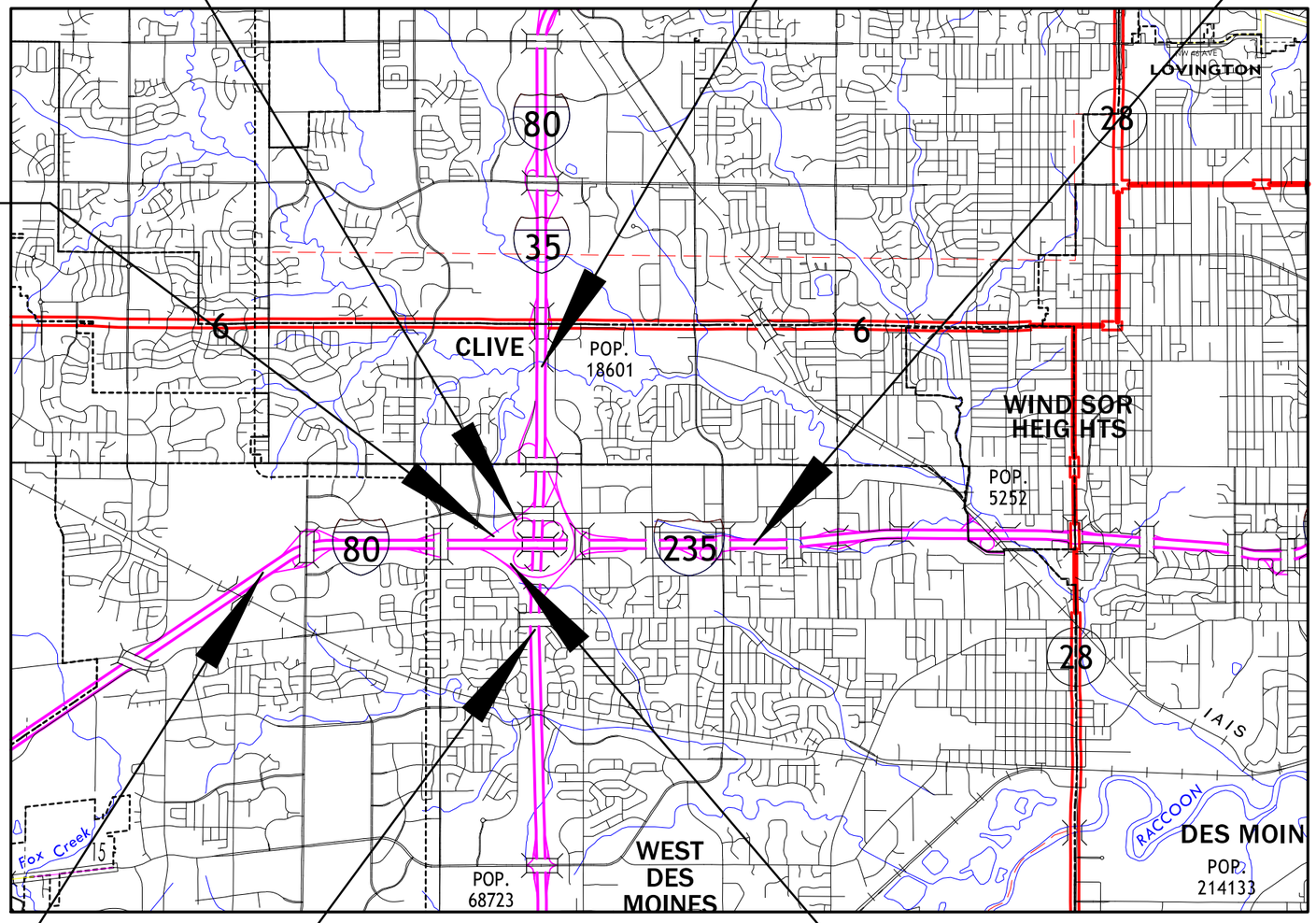
PROPOSED BRIDGE AND PROJECT LIMITS MAP

STA. 372+65.00 (I-80/35)
PROJECT NORTH LIMITS
M.P. 124.2

STA. 1392+53.72 (I-235)
PROJECT EAST LIMITS
M.P. 1.7

I-80/35 CONNECTOR RAMP BRIDGE
FHWA BRIDGE No.: XXXXX
BRIDGE DESIGN No.: XXXX

I-80 WB RAMP BRIDGE
FHWA BRIDGE No.: XXXXX
BRIDGE DESIGN No.: XXXX



STA. 1284+98.27 (I-80)
PROJECT WEST LIMITS
M.P 122.7

STA. 315+35.00 (I-35)
PROJECT SOUTH LIMITS
M.P 72.3

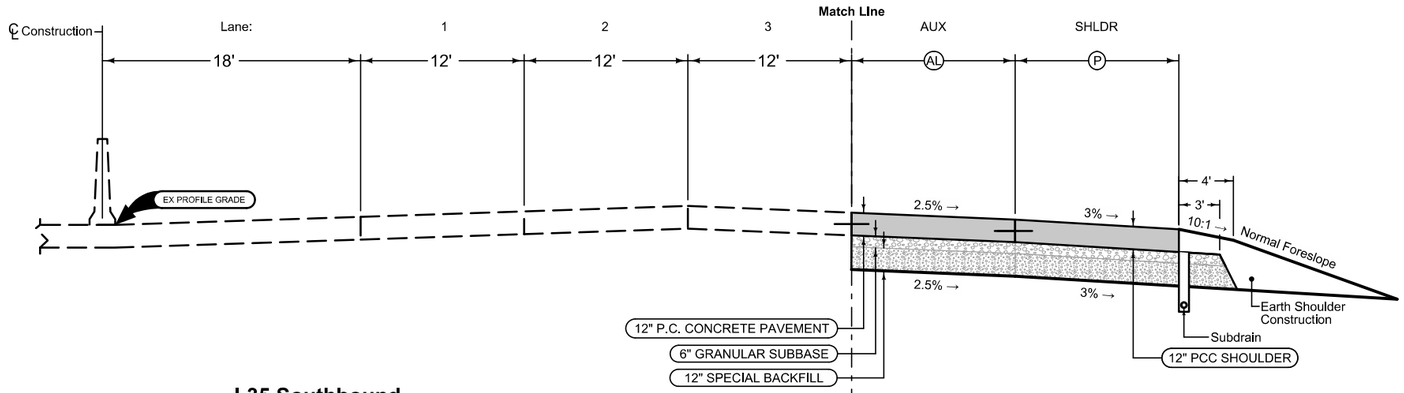
I-80/35 RAMP F BRIDGE
FHWA BRIDGE No.: XXXXX
BRIDGE DESIGN No.: XXXX



LOCATION MAP SCALE
0 0.5 1 1.5
Miles

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER A.3

5:54:04 PM 9/15/2023 nate.reincke pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_A01_77035455_Z08.dgn

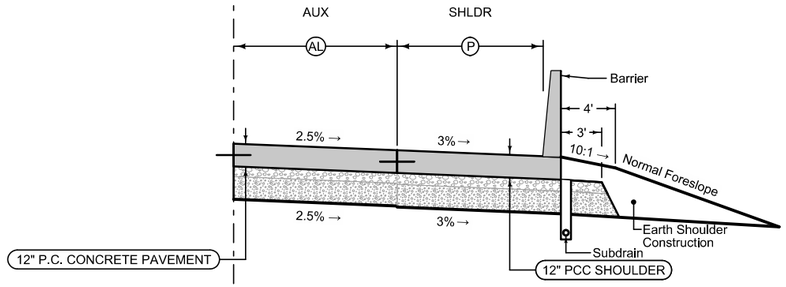


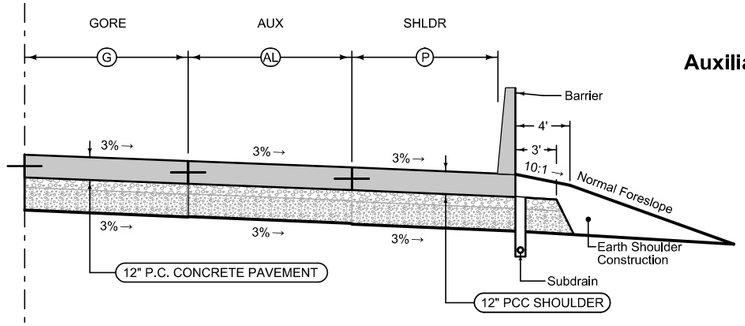
I-35 Southbound

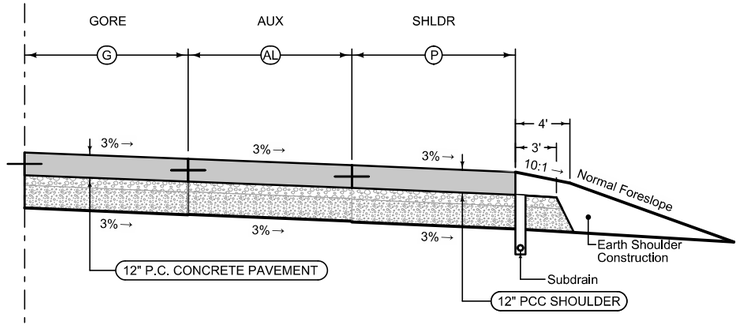
Section shown in the direction of traffic.

Mainline Jointing:
Longitudinal joint: BT-3
Transverse joints: CD at 17' spacing or as needed to match exlsting pavement per PV-121

	Modified
BEGIN STATION	END STATION
324+54.62	338+85.15







Auxiliary Lane with Full Depth PCC Shoulder

PCC 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	(AL) Feet	(P) Feet
326+80.00	330+54.62	4.5 - 12	6
330+54.62	335+50.00	12	6

Auxiliary Lane with Full Depth PCC Shoulder with Barrier

PCC 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	(AL) Feet	(P) Feet
324+54.62	326+54.56	0 - 4	10 - 6
326+54.56	326+80.00	4 - 4.5	6
335+50.00	335+75.00	12	6
335+75.00	337+05.21	12 - 18.5	6

Auxiliary Lane with Full Depth PCC Shoulder with Barrier

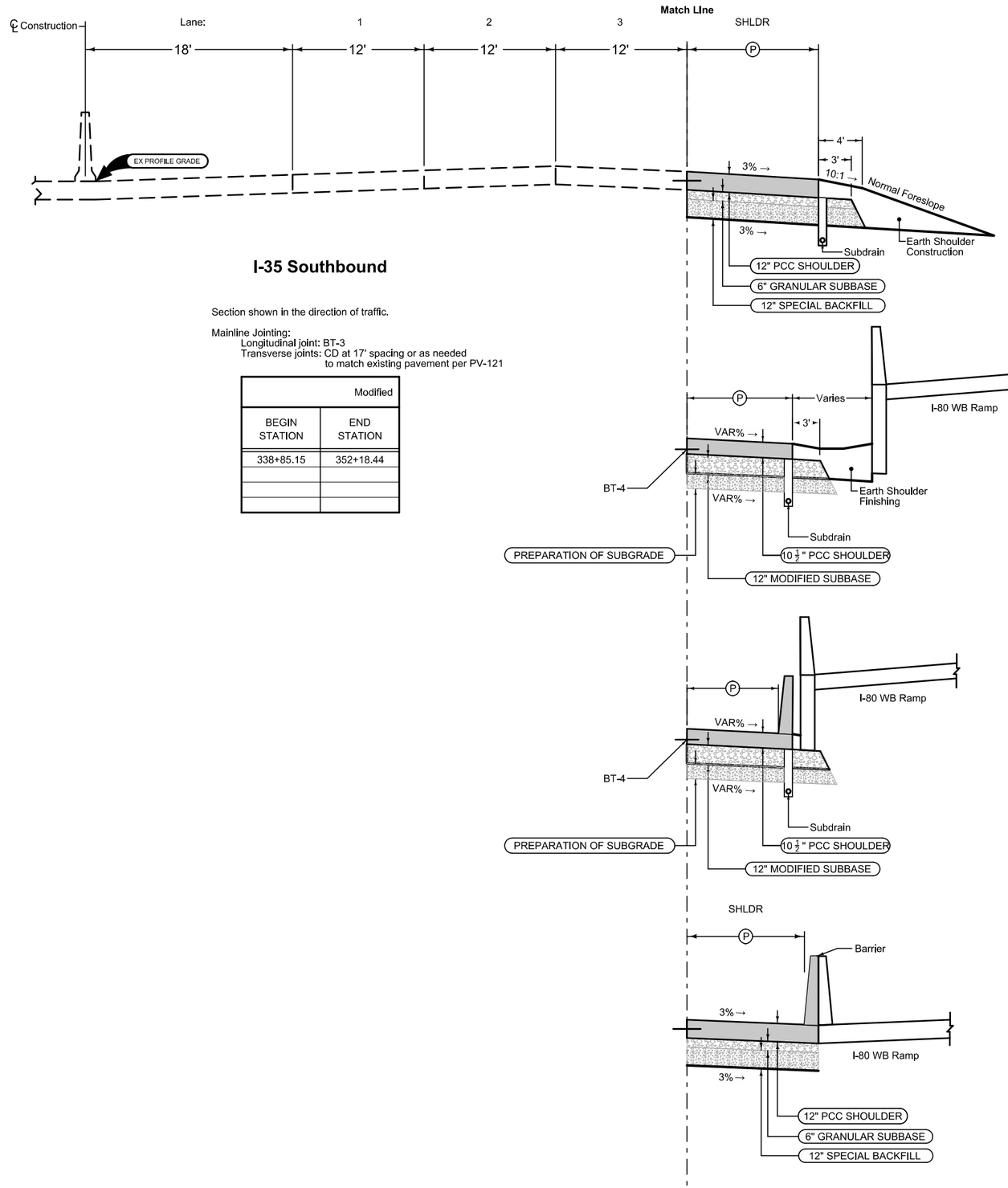
PCC Shoulder Jointing:
Longitudinal joint: BT-2, L-2 or KT-2
Transverse joints: C at 17' spacing

		6D_Closed_P_FullPCC_ 04-20-21		
BEGIN STATION	END STATION	(AL) Feet	(P) Feet	(G) Feet
337+05.21	338+07.19	16 - 20.5	6	2.0 - 15.2

Auxiliary Lane with Full Depth PCC Shoulder

PCC 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	(AL) Feet	(P) Feet	(G) Feet
338+07.19	338+85.15	20.5 - 24.0	6	15.2 - 30.4



I-35 Southbound

Section shown in the direction of traffic.

Mainline Jointing:
Longitudinal joint: BT-3
Transverse joints: CD at 17' spacing or as needed to match existing pavement per PV-121

Modified	
BEGIN STATION	END STATION
338+85.15	352+18.44

Full Depth PCC Shoulder

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

		Modified
BEGIN STATION	END STATION	(P) Feet
338+85.15	344+70.79	12

Full Depth PCC Shoulder / Retaining Wall

Shoulder Jointing:
Longitudinal joint: BT-4

Modified		
STATION TO STATION		(P) Feet
344+70.79	347+44.46	12

Full Depth PCC Shoulder / Retaining Wall

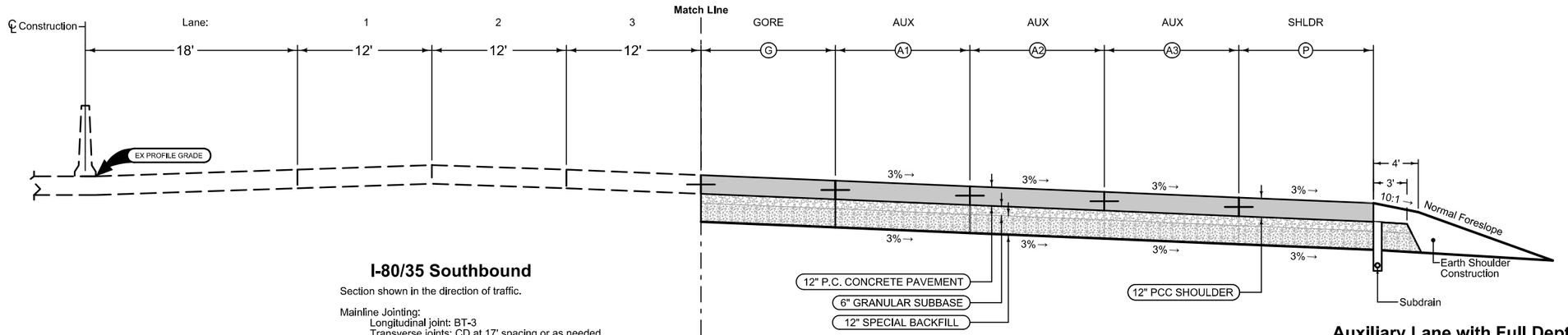
Shoulder Jointing:
Longitudinal joint: BT-4

Modified		
STATION TO STATION		(P) Feet
344+70.79	350+19.94	12

Full Depth PCC Shoulder with Barrier

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

		Modified
BEGIN STATION	END STATION	(P) Feet
350+19.94	352+18.44	12



I-80/35 Southbound

Section shown in the direction of traffic.

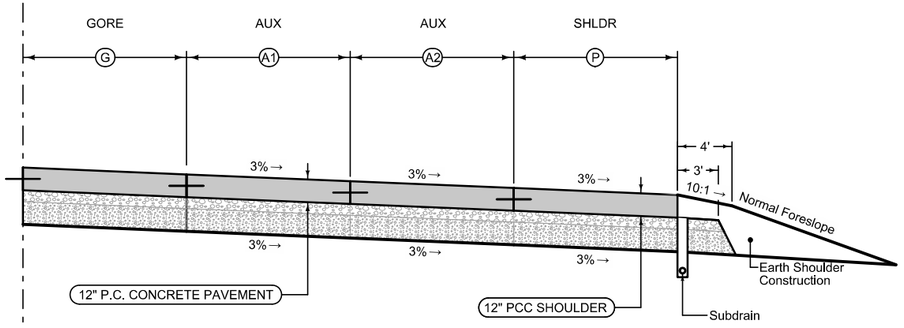
Mainline Jointing:
Longitudinal joint: BT-3
Transverse joints: CD at 17' spacing or as needed to match existing pavement per PV-121

	Modified
BEGIN STATION	END STATION
352+18.44	363+44.38
370+94.88	371+16.75

Auxiliary Lane with Full Depth PCC Shoulder

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

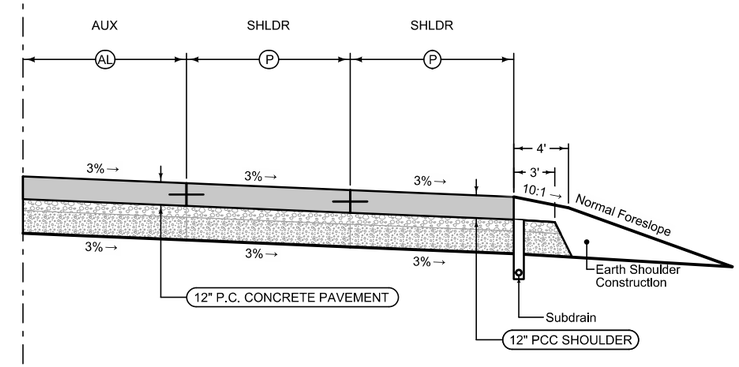
		8D_Closed_P_FullPCC_ 10-20-20				
BEGIN STATION	END STATION	A1 Feet	A2 Feet	A3 Feet	P Feet	G Feet
352+18.44	353+06.45	12	12	12	12	26 - 24
353+06.45	356+05.02	12	12	12 - 0	12	24 - 11.4



Auxiliary Lane with Full Depth PCC Shoulder

PCC 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	G Feet	A1 Feet	A2 Feet	P Feet
356+05.02	358+40.64	11.4 - 0	12	12	12
358+40.64	363+44.38	0	12	12 - 0.8	12



Auxiliary Lane with Full Depth PCC Shoulder

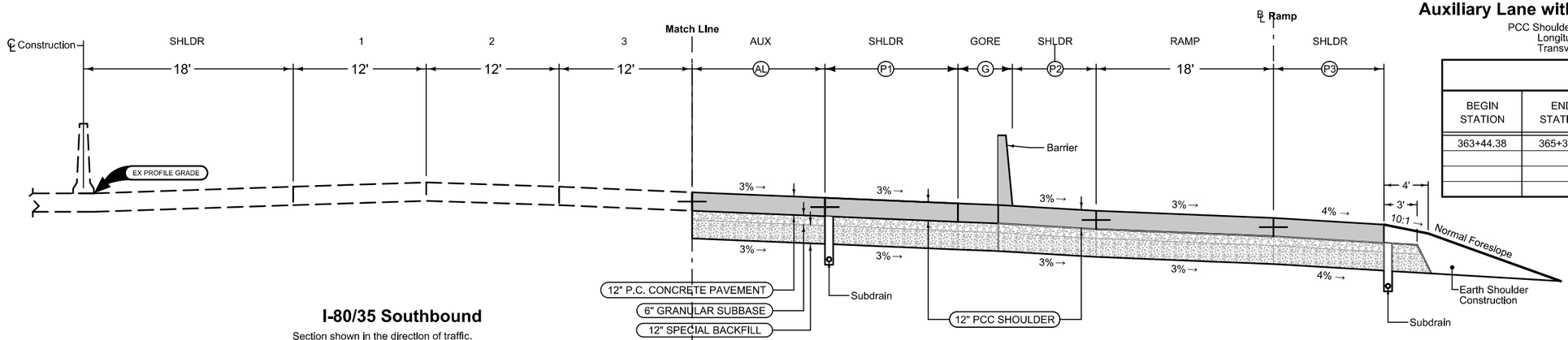
PCC Shoulder Jointing:
Longitudinal joint: BT-2, L-2 or KT-2
Transverse joints: C at 17' spacing

		6D_Closed_P_FullPCC_ 04-20-21	
BEGIN STATION	END STATION	AL Feet	P Feet
370+94.88	371+16.75	12	12

Auxiliary Lane with Full Depth PCC Shoulder

PCC 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	(AL) Feet	(P1) Feet	(G) Feet	(P2) Feet	(P3) Feet
363+44.38	365+30.41	12	12	8 - 0	6	6



I-80/35 Southbound

Section shown in the direction of traffic.

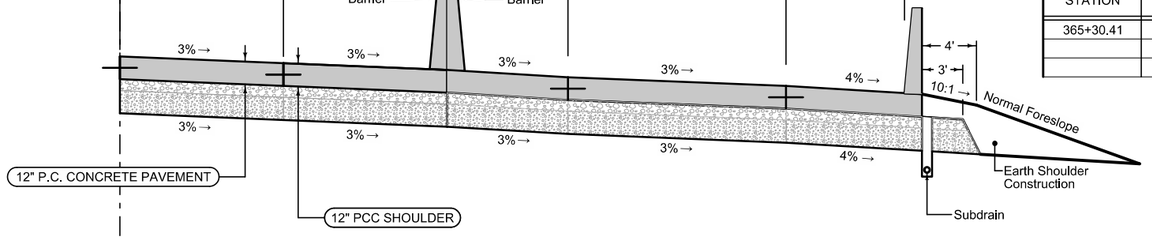
Mainline Jointing:
Longitudinal joint: BT-3
Transverse joints: CD at 17' spacing or as needed to match existing pavement per PV-121

Modified	
BEGIN STATION	END STATION
363+44.38	370+94.88

Auxiliary Lane with Full Depth PCC Shoulder with Barrier

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

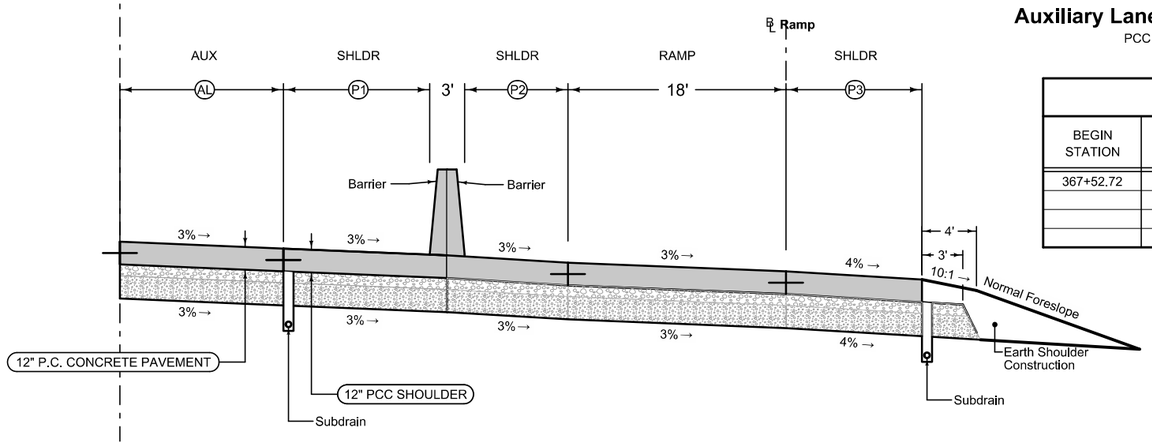
6D_Closed_P_FullPCC_ 04-20-21					
BEGIN STATION	END STATION	(AL) Feet	(P1) Feet	(P2) Feet	(P3) Feet
365+30.41	367+52.72	12	12	4	6

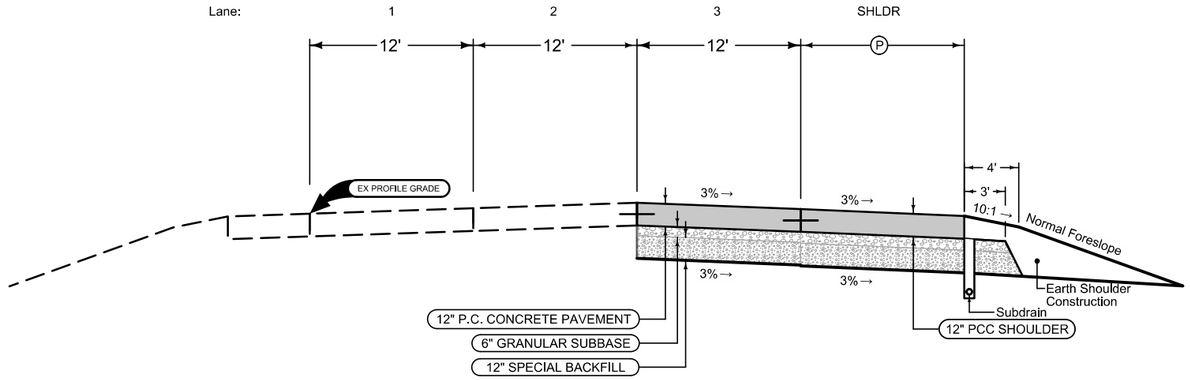


Auxiliary Lane with Full Depth PCC Shoulder

PCC 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	(AL) Feet	(P1) Feet	(P2) Feet	(P3) Feet
367+52.72	370+94.88	12	12	4 - 19	6





I-80 Eastbound

Section shown in the direction of traffic.

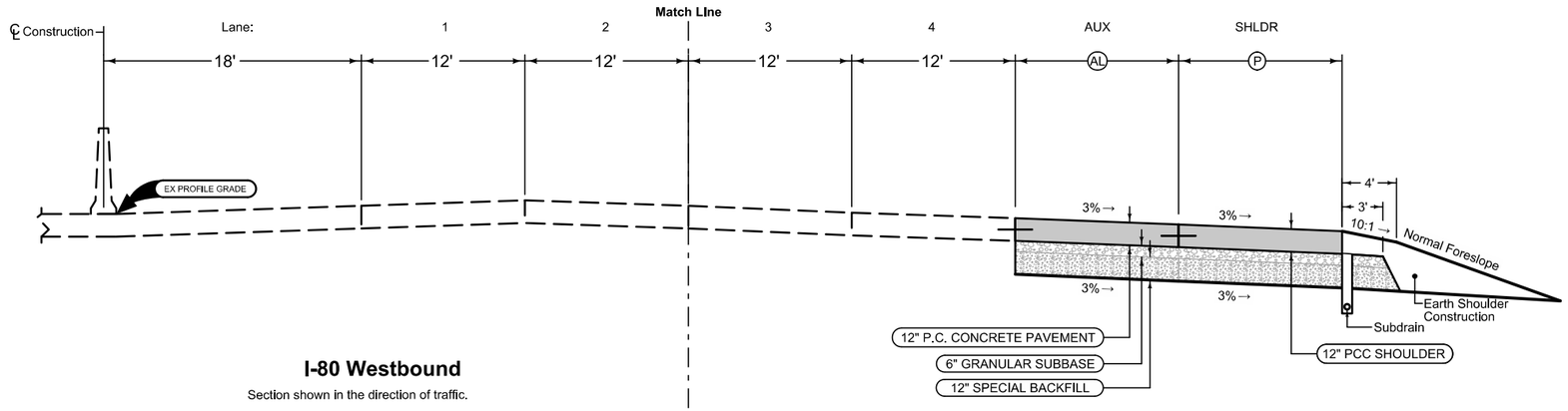
Mainline Jointing:
Longitudinal joint: BT-3
Transverse joints: CD at 17' spacing or as needed to match existing pavement per PV-121

	Modified
BEGIN STATION	END STATION
1319+97.03	1327+95.20

Full Depth PCC Shoulder

PCC 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	(P) Feet
1319+97.03	1327+95.20	12

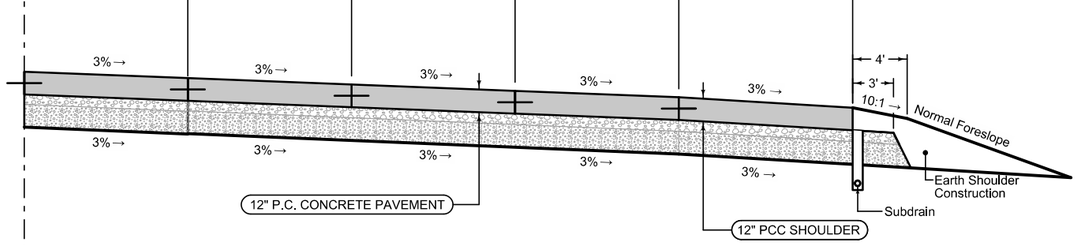


I-80 Westbound

Section shown in the direction of traffic.

Mainline Jointing:
Longitudinal joint: BT-3
Transverse joints: CD at 17' spacing or as needed to match existing pavement per PV-121

	Modified
BEGIN STATION	END STATION
1284+98.26	1307+86.43



Auxiliary Lane with Full Depth PCC Shoulder

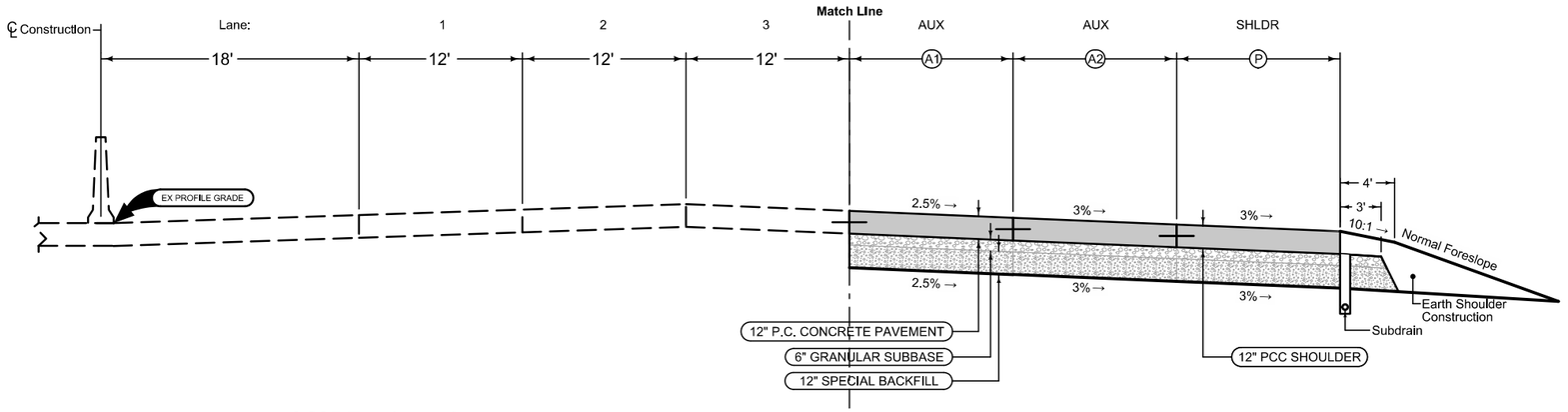
PCC Shoulder Jointing:
Longitudinal joint: BT-2, L-2 or KT-2
Transverse joints: C at 17' spacing

		6D_Closed_P_FullPCC_ 04-20-21	
BEGIN STATION	END STATION	(AL) Feet	(P) Feet
1284+98.26	1290+97.21	0 - 12	12
1290+97.21	1300+97.21	12	12

Full Depth PCC Shoulder

PCC 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	(P) Feet	(G) Feet
1300+97.21	1307+86.43	12	0 - 30

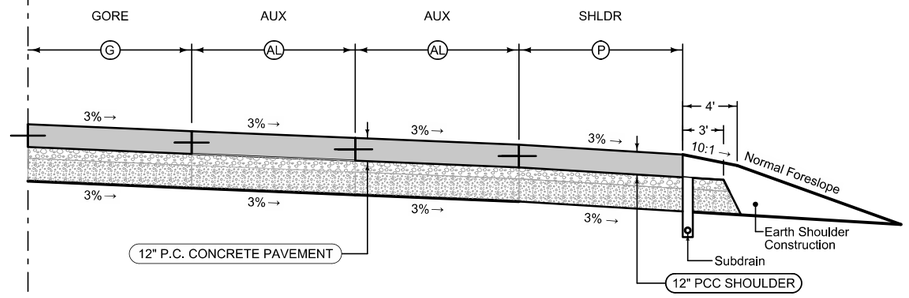


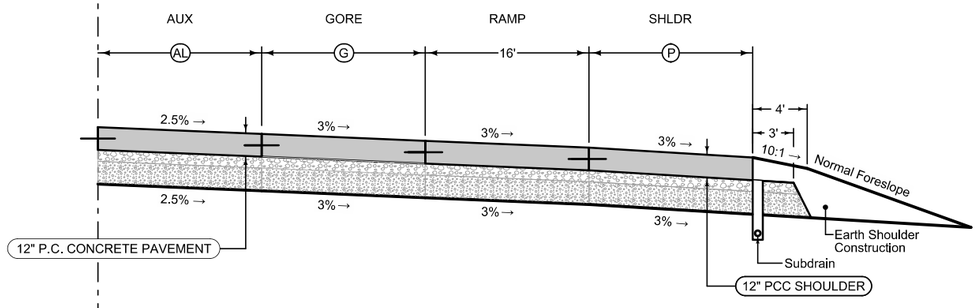
I-235 Eastbound

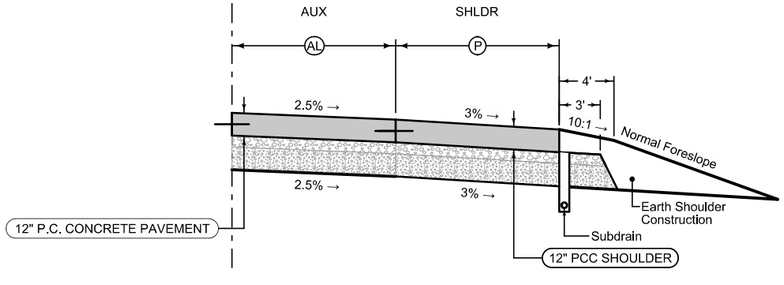
Section shown in the direction of traffic.

Mainline Jointing:
Longitudinal joint: BT-3
Transverse joints: CD at 17' spacing or as needed to match existing pavement per PV-121

	Modified
BEGIN STATION	END STATION
1347+78.16	1392+55.80







Auxiliary Lane with Full Depth PCC Shoulder

PCC 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	A1 Feet	A2 Feet	P Feet
1349+79.32	1355+84.38	12	12	8
1355+84.38	1361+85.77	12	12 - 0	8
1363+13.90	1369+15.85	12	20 - 12	6
1369+15.85	1378+54.47	12	12	6
1378+54.47	1379+45.00	12	12 - 18	6

Auxiliary Lane with Full Depth PCC Shoulder

PCC 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	AL Feet	P Feet	G Feet
1347+78.16	1349+79.32	12	8	24 - 0

Auxiliary Lane with Full Depth PCC Shoulder

PCC 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	AL Feet	P Feet	G Feet
1361+85.77	1363+13.90	12	6	16 - 4
1379+45.00	1382+74.47	12	6	2 - 24

Auxiliary Lane with Full Depth PCC Shoulder

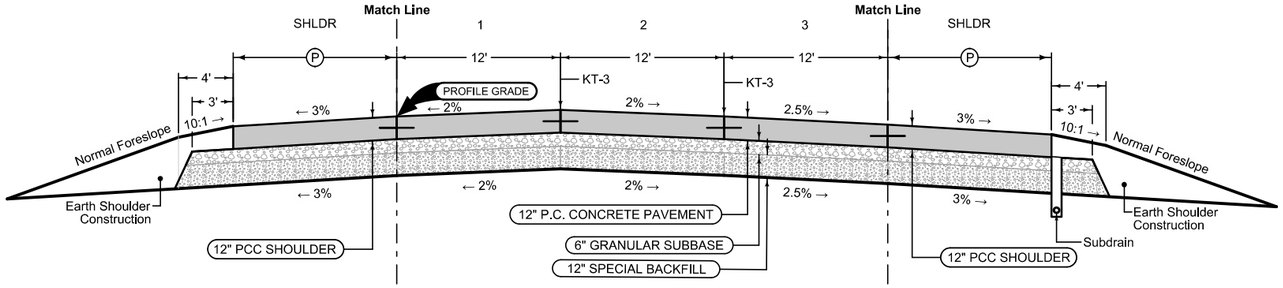
PCC Shoulder Jointing:
Longitudinal joint: BT-2, L-2 or KT-2
Transverse joints: C at 17' spacing

		6D_Closed_P_FullPCC_ 04-20-21	
BEGIN STATION	END STATION	AL Feet	P Feet
1382+74.47	1384+75.80	12	12
1384+75.80	1392+55.80	12 - 0	12

Full Depth PCC Shoulder

PCC 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	(P) Feet
2311+75.00	2319+40.00	12
2327+93.06	2328+04.81	12
2331+13.81	2333+66.98	12



Full Depth PCC Shoulder

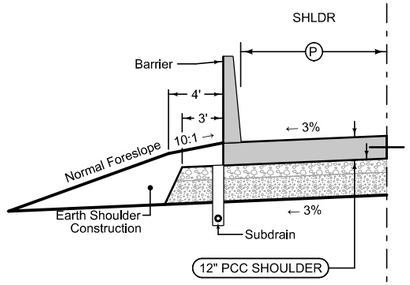
PCC Shoulder Jointing:
Longitudinal joint: BT-2, L-2 or KT-2
Transverse joints: C at 17' spacing

6D_Closed_P_FullPCC_ 04-20-21		
BEGIN STATION	END STATION	(P) Feet
2307+87.32	2321+60.00	12
2334+59.92	2340+40.00	12
2341+10.00	2343+82.21	12

Full Depth PCC Shoulder with Barrier

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

Modified		
BEGIN STATION	END STATION	(P) Feet
2319+40.00	2327+93.06	12
2331+26.45	2340+46.21	12

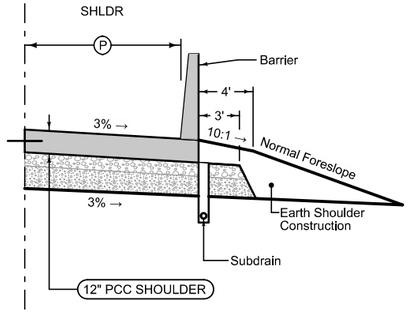


I-235 Westbound

Section shown in the direction of traffic.

Mainline Jointing:
Longitudinal joint: BT-3
Transverse joints: CD at 17' spacing or as needed to match existing pavement per PV-121

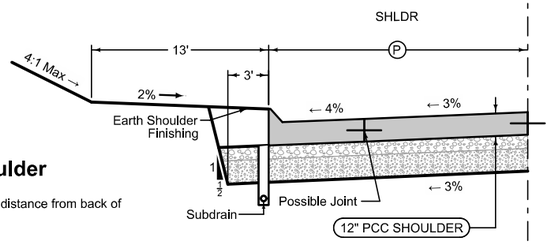
6DP_Dprs_ 10-20-20	
BEGIN STATION	END STATION
2307+87.32	2328+03.96
2331+13.81	2343+82.21



Full Depth PCC Shoulder with Barrier

PCC 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	(P) Feet
2321+60.00	2324+25.00	12
2340+40.00	2341+10.00	12



Curbed Shoulder

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

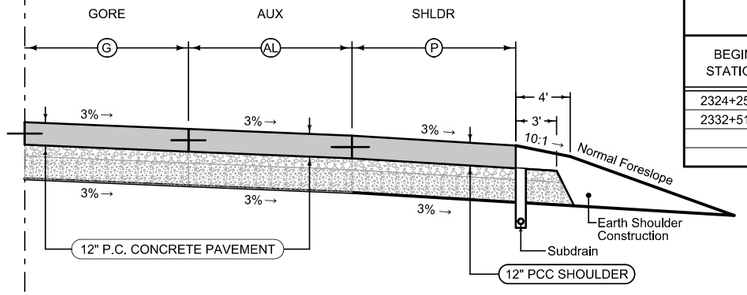
Transverse: C at 15' spacing
Single pour: L-2
Staged: KT-2

1R_Curb_ 10-18-22			
BEGIN STATION	END STATION	(P) Feet	Curb Type See PV-102
2307+87.32	2311+75.00	12	

Auxiliary Lane with Full Depth PCC Shoulder

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

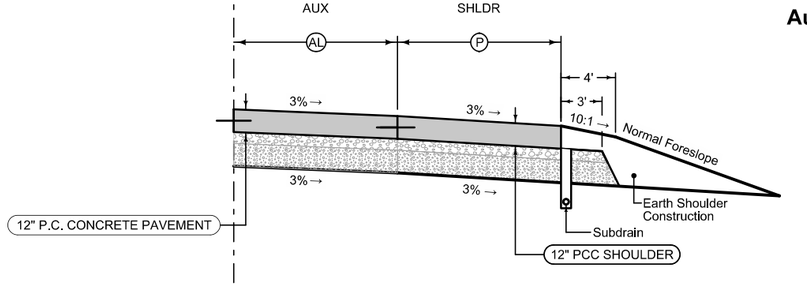
6D_Closed_P_FullPCC_ 04-20-21				
BEGIN STATION	END STATION	(AL) Feet	(P) Feet	(G) Feet
2324+25.00	2327+25.00	18	6	22 - 2
2332+51.62	2334+59.92	16	6	4 - 22



Auxiliary Lane with Full Depth PCC Shoulder

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

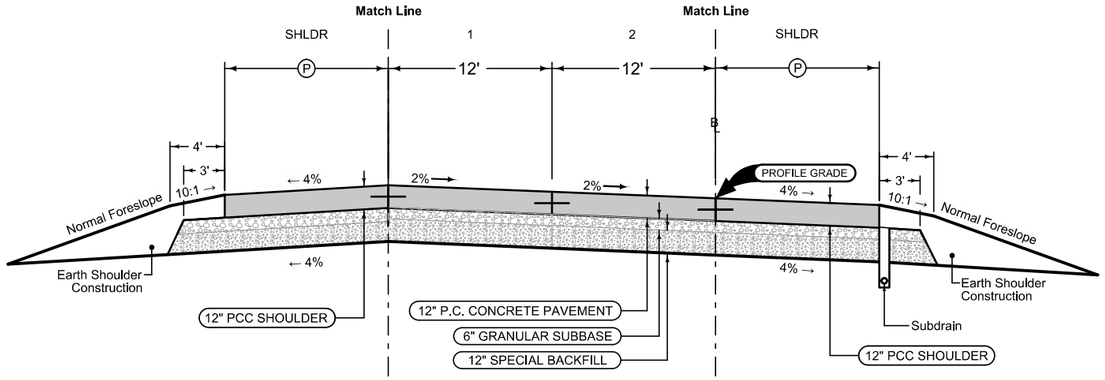
6D_Closed_P_FullPCC_ 04-20-21			
BEGIN STATION	END STATION	(AL) Feet	(P) Feet
2327+25.00	2328+03.96	18 - 16	6
2331+13.81	2332+51.62	16	6



Full Depth PCC Shoulder

PCC 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	(P) Feet
3506+89.29	3507+48.60	6 - 12
3507+48.60	3508+00.00	12



Full Depth PCC Shoulder

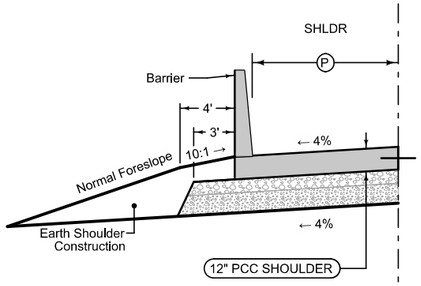
PCC Shoulder Jointing:
Longitudinal joint: BT-2, L-2 or KT-2
Transverse joints: C at 17' spacing

Modified		
BEGIN STATION	END STATION	(P) Feet
3506+89.29	3508+75.00	12
3507+00.00	3508+75.00	12

Full Depth PCC Shoulder with Barrier

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

Modified		
BEGIN STATION	END STATION	(P) Feet
3508+00.00	3509+00.00	12
3531+20.23	3532+00.00	12

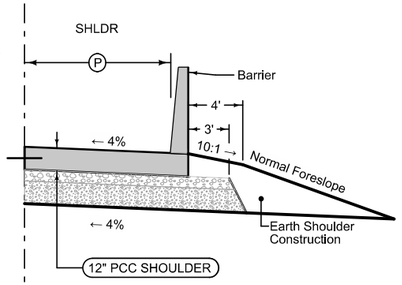


I-80 Westbound Ramp

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
3506+89.29	3515+09.30



Full Depth PCC Shoulder with Barrier

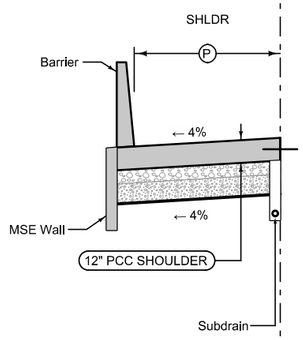
PCC Shoulder Jointing:
Longitudinal joint: BT-2, L-2 or KT-2
Transverse joints: C at 17' spacing

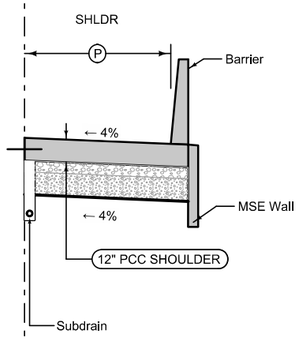
Modified		
BEGIN STATION	END STATION	(P) Feet
3508+75.00	3510+50.00	12
3507+00.00	3508+75.00	12

Full Depth PCC Shoulder / Retaining Wall

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

Modified		
(P) Feet	END STATION	BEGIN STATION
12	3509+00.00	3515+09.30





Full Depth PCC Shoulder / Retaining Wall

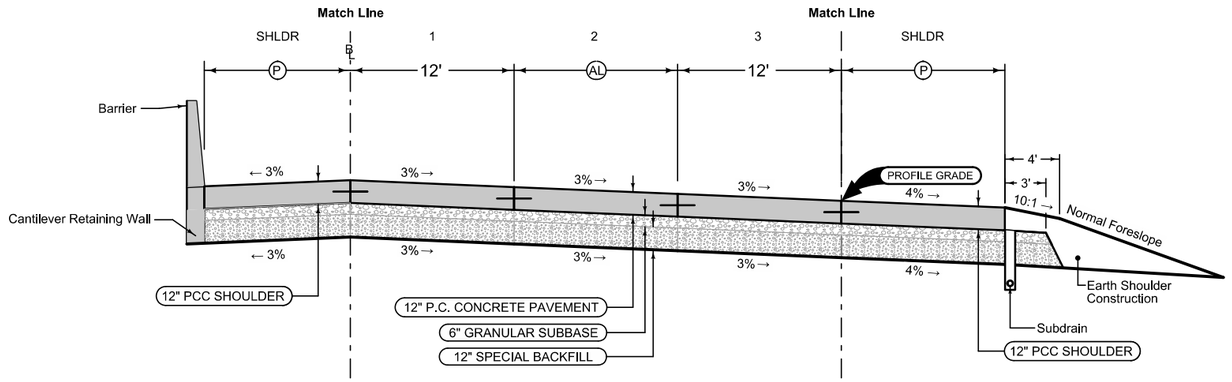
PCC Shoulder Jointing:
Longitudinal joint: BT-2, L-2 or KT-2
Transverse joints: C at 17' spacing

Modified		
BEGIN STATION	END STATION	(P) Feet
3510+50.00	3515+09.30	12

Full Depth PCC Shoulder / Retaining Wall

PCC 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	(P) Feet
3530+62.16	3536+00.00	12



I-80 Westbound Ramp

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	(AL) Feet
3560+62.29	3537+98.51	16.5 - 12

Full Depth PCC Shoulder

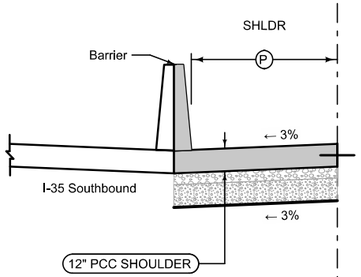
PCC Shoulder Jointing:
Longitudinal joint: BT-2, L-2 or KT-2
Transverse joints: C at 17' spacing

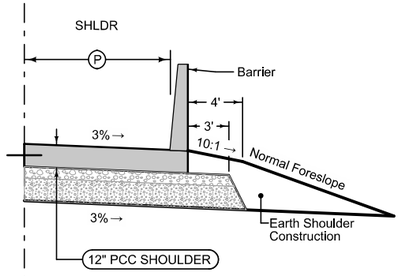
Modified		
BEGIN STATION	END STATION	(P) Feet
3530+62.16	3531+24.53	12
3534+00.00	3537+98.51	12

Full Depth PCC Shoulder with Barrier

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

Modified		
BEGIN STATION	END STATION	(P) Feet
3536+00.00	3537+99.45	12





Full Depth PCC Shoulder with Barrier

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

Modified		
BEGIN STATION	END STATION	(P) Feet
3531+24.53	3534+00.00	12

Paved Shoulder Alternates

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

1R_P_ALT_ 10-16-18		
BEGIN STATION	END STATION	(P) Feet
6003+07.64	6004+09.97	4
6005+03.14	6012+29.00	12
6015+53.88	6023+39.27	12

Curbed Shoulder

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

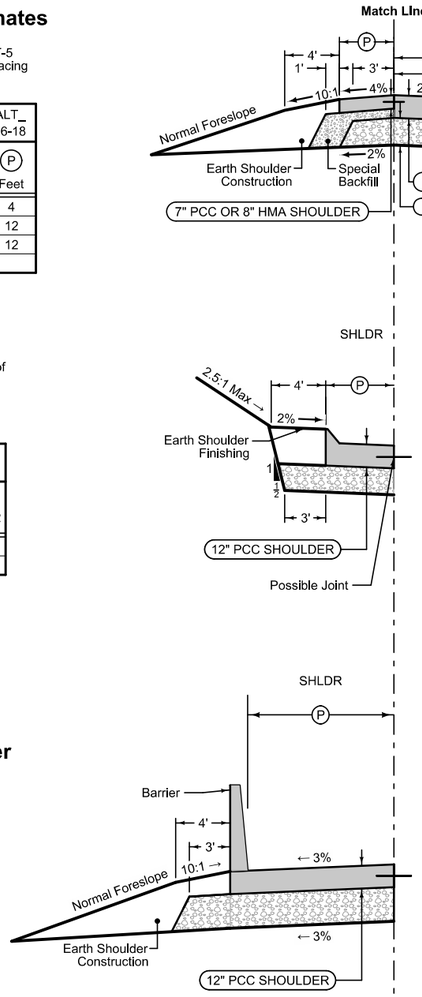
Transverse: C at 15' spacing
Single pour: L-2
Staged: KT-2

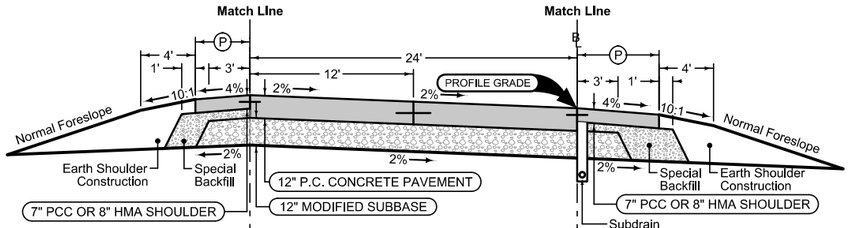
1R_Curb_ 10-18-22			
BEGIN STATION	END STATION	(P) Feet	Curb Type See PV-102
6012+29.00	6015+53.88	12	

Full Depth PCC Shoulder with Barrier

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

Modified		
BEGIN STATION	END STATION	(P) Feet
6004+09.98	6005+03.14	4



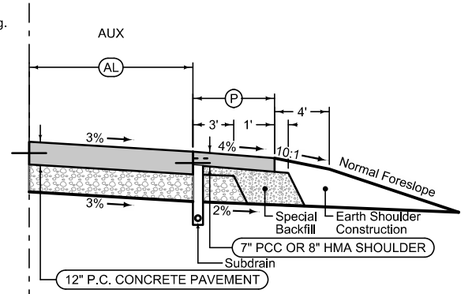


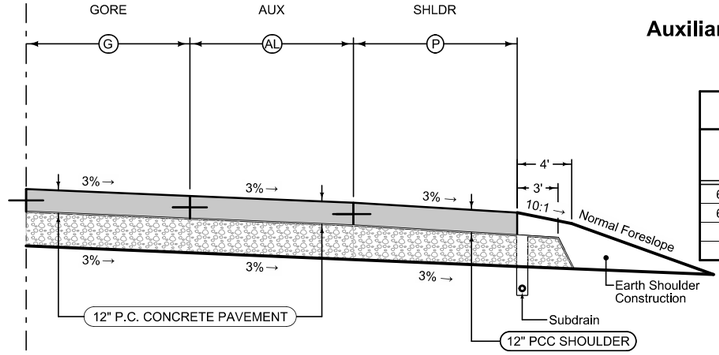
I-80/35 Ramp F

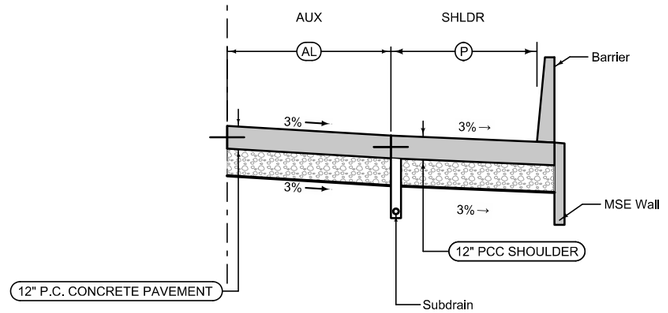
Section shown in the direction of traffic.

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

2RP_ 04-20-21	
BEGIN STATION	END STATION
6003+07.64	6023+39.27







Paved Shoulder Alternates

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

1R_P_ALT_ 10-16-18		
BEGIN STATION	END STATION	(P) Feet
6003+07.64	6005+50.27	8
6019+20.37	6023+39.27	12

Auxiliary Lane with Paved Shoulder Alternates

Longitudinal joint: L or KT
Transverse joint: Match Mainline
PCC Shoulder Jointing:
Longitudinal joint: BT-1 or BT-5
Transverse joints: C at 15' spacing
HMA Shoulder Jointing:
Longitudinal joint: B

2_AuxLane_PCC_ and 1R_P_ALT_ 10-16-18			
BEGIN STATION	END STATION	(AL) Feet	(P) Feet
6007+75.00	6012+03.29	0 - 11.4	8
6012+03.29	6017+22.06	11.4 - 19	8
6017+22.06	6017+75.00	19 - 20	8

Auxiliary Lane with Full Depth PCC Shoulder

PCC 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	(AL) Feet	(P) Feet	(G) Feet
6017+22.06	6018+22.01	12 - 16	8	0
6018+21.99	6019+20.25	16	8	2 - 16

Auxiliary Lane with Full Depth PCC Shoulder

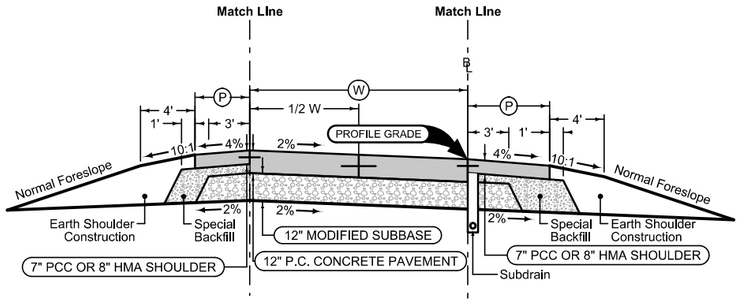
PCC Shoulder Jointing:
Longitudinal joint: BT-2, L-2 or KT-2
Transverse joints: C at 17' spacing

6D_Closed_P_FullPCC_ 04-20-21			
BEGIN STATION	END STATION	(AL) Feet	(P) Feet
6005+50.24	6012+03.26	0 - 12	8

Paved Shoulder Alternates

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

1R_P_ALT_ 10-16-18		
BEGIN STATION	END STATION	(P) Feet
3338+87.74	3363+91.41	4
3371+33.45	3373+61.79	4



Paved Shoulder Alternates

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

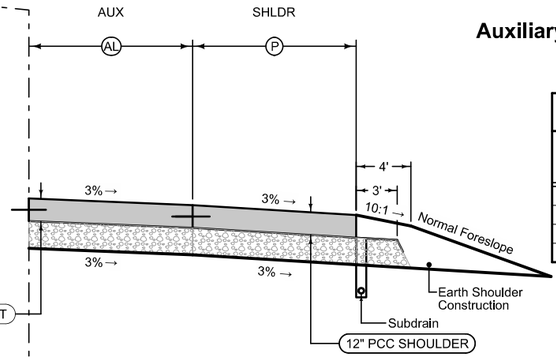
1R_P_ALT_ 10-16-18			
BEGIN STATION	END STATION	(P) Feet	(W) Feet
3338+87.74	3343+75.65	0	16
3343+75.65	3363+91.41	6	16
3371+33.45	3373+61.79	6	18

University Ave. Ramp C

Section shown in the direction of traffic.

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

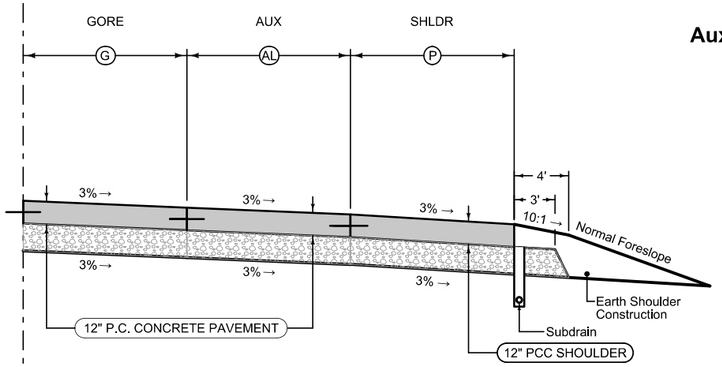
1RP_ 04-20-21	
BEGIN STATION	END STATION
3338+87.74	3363+91.41
3371+33.45	3373+61.79



Auxiliary Lane with Full Depth PCC Shoulder

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

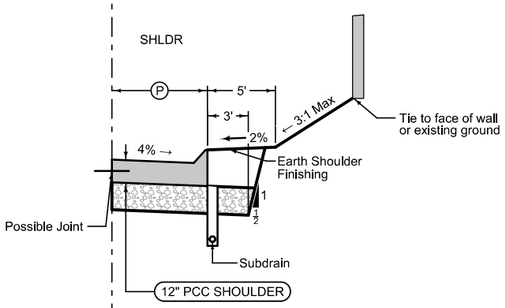
6D_Closed_P_FullPCC_ 04-20-21			
BEGIN STATION	END STATION	(AL) Feet	(P) Feet
3338+87.74	3340+42.66	7.3 - 12	6
3340+42.66	3342+40.81	12	6
3342+40.81	3343+11.69	12 - 18	6



Auxiliary Lane with Full Depth PCC Shoulder

PCC 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	(AL) Feet	(P) Feet	(G) Feet
3343+11.69	3343+75.64	18	6	2 - 23

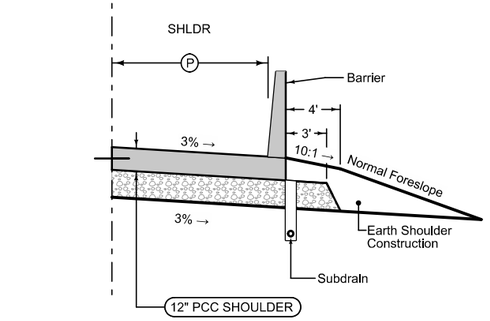


Curbed Shoulder

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

Transverse: C at 15' spacing
Single pour: L-2
Staged: KT-2

1R_Curb_ 10-18-22			
BEGIN STATION	END STATION	(P) Feet	Curb Type See PV-102
3348+45.00	3356+00.00	6	6" Standard



Full Depth PCC Shoulder with Barrier

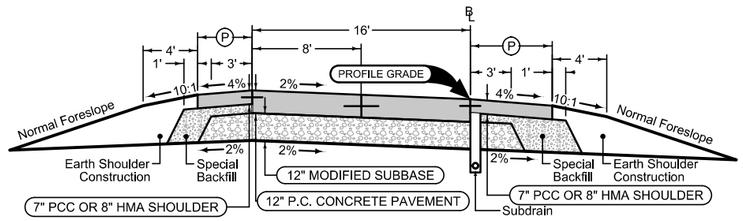
PCC Shoulder Jointing:
Longitudinal joint: BT-2, L-2 or KT-2
Transverse joints: C at 17' spacing

6D_Closed_P_FullPCC_ 04-20-21		
BEGIN STATION	END STATION	(P) Feet
3347+65.00	3348+45.00	6

Paved Shoulder Alternates

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

		1R_P_ALT_ 10-16-18
BEGIN STATION	END STATION	(P) Feet
4315+37.35	4327+38.13	4



I-35 Ramp D

Section shown in the direction of traffic.

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

	1RP_ 04-20-21
BEGIN STATION	END STATION
4315+37.35	4327+38.13

Paved Shoulder Alternates

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

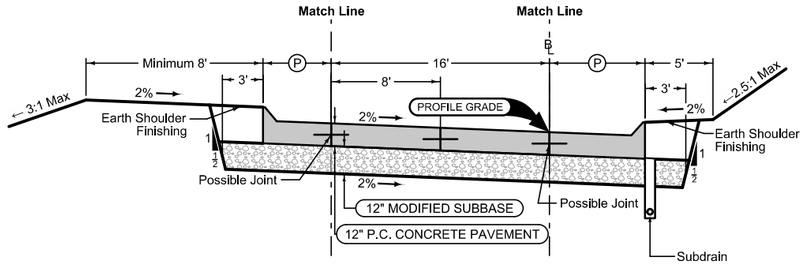
		1R_P_ALT_ 10-16-18
BEGIN STATION	END STATION	(P) Feet
4315+37.35	4327+38.13	8

Curbed Shoulder

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

Transverse: C at 15' spacing
Single pour: L-2
Staged: KT-2

			1R_Curb_ 10-18-22
BEGIN STATION	END STATION	(P) Feet	Curb Type See PV-102
4551+29.86	4561+86.03	4	



50th St. Ramp D

Section shown in the direction of traffic.

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

	1RP_ 04-20-21
BEGIN STATION	END STATION
4551+29.86	4561+86.03

Curbed Shoulder

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

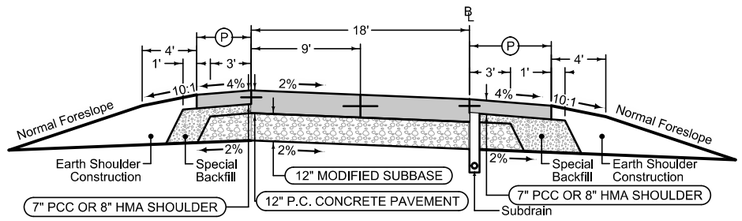
Transverse: C at 15' spacing
Single pour: L-2
Staged: KT-2

			1R_Curb_ 10-18-22
BEGIN STATION	END STATION	(P) Feet	Curb Type See PV-102
4551+29.86	4561+86.03	6	

Paved Shoulder Alternates

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

		1R_P_ALT_ 10-16-18
BEGIN STATION	END STATION	(P) Feet
8324+25.00	8335+75.54	4



I-235 WB to I-35 SB Ramp G

Section shown in the direction of traffic.

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

	1RP_ 04-20-21
BEGIN STATION	END STATION
8324+25.00	8335+75.54

Paved Shoulder Alternates

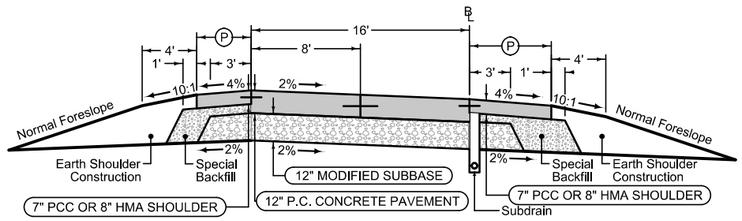
PCC Shoulder Jointing:
Longitudinal joint: BT-1 or BT-5
Transverse joints: C at 15' spacing
HMA Shoulder Jointing:
Longitudinal joint: B

		1R_P_ALT_ 10-16-18
BEGIN STATION	END STATION	(P) Feet
8324+25.00	8335+75.54	6

Paved Shoulder Alternates

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

		1R_P_ALT_ 10-16-18
BEGIN STATION	END STATION	(P) Feet
5331+60.42	5335+62.09	4



I-35 NB to I-235 WB Ramp E

Section shown in the direction of traffic.

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

	1RP_ 04-20-21
BEGIN STATION	END STATION
5331+60.42	5335+62.09

Paved Shoulder Alternates

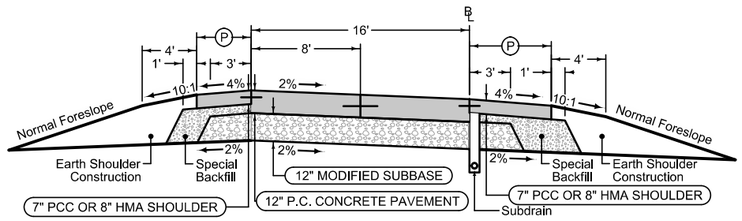
PCC Shoulder Jointing:
Longitudinal joint: BT-1 or BT-5
Transverse joints: C at 15' spacing
HMA Shoulder Jointing:
Longitudinal joint: B

		1R_P_ALT_ 10-16-18
BEGIN STATION	END STATION	(P) Feet
5331+60.42	5335+62.09	6

Paved Shoulder Alternates

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

		1R_P_ALT_ 10-16-18
BEGIN STATION	END STATION	(P) Feet
2382+74.48	2389+50.00	4



Valley West Drive Ramp B

Section shown in the direction of traffic.

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

	1RP_ 04-20-21
BEGIN STATION	END STATION
2382+74.48	2389+50.00

Paved Shoulder Alternates

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

		1R_P_ALT_ 10-16-18
BEGIN STATION	END STATION	(P) Feet
2382+74.48	2389+50.00	6

SURVEY SYMBOLS

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

UTILITY LEGEND

- E1 — Iowa Department of Transportation
- E2 — MidAmerican Energy
- E3 — City of West Des Moines
- FO — Aureon
- FO2 — Consolidated Communications
- FO3 — Iowa Department of Transportation
- FO4 — Lumen
- FO5 — MetroNet
- FO6 — United Private Network
- FO7 — Verizon
- FO8 — City of West Des Moines
- FO9 — Windstream
- FO10 — Zayo
- G — MidAmerican Energy
- GHP — MidAmerican Energy
- SAN. — City of West Des Moines
- ST S — Iowa Department of Transportation
- ST S2 — City of West Des Moines
- ST S3 — City of Clive
- TV — Mediacom
- W — City of West Des Moines
- W2 — Private
- W3 — City of West Des Moines

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 Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER D.1

3:45:27 PM 9/15/2023 nate.reincke pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\LegendSheet_Seed.dgn



FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER D.2	

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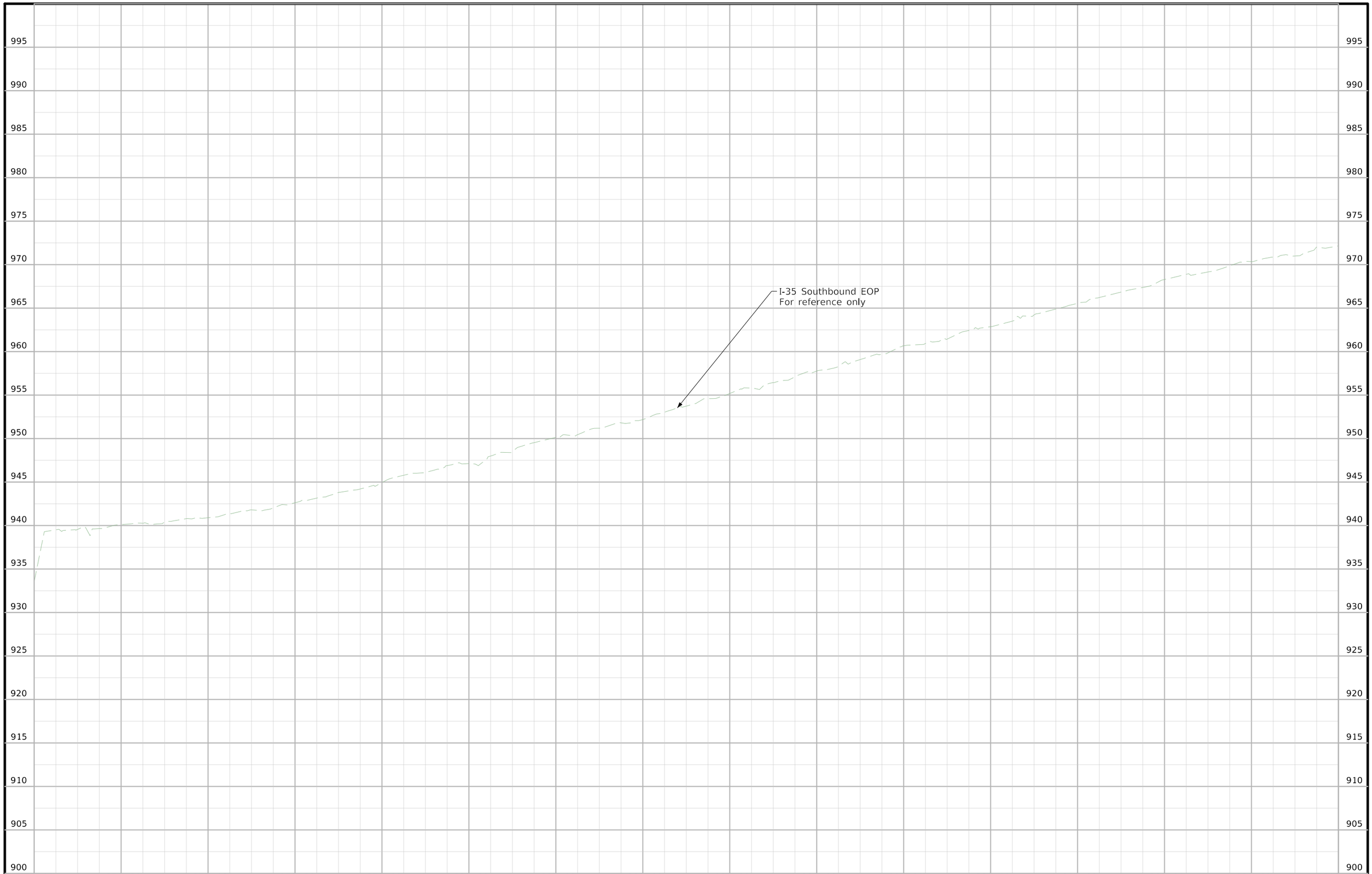

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WEST DES MOINES TWP.
T-78 R-25W
SEC. 06

290+00

295+00

300+00

305+00

I-35 (ML35)

PC 302+53.80

0 50
FEET

I-35
(ML35)

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER D.4	

3:50:29 PM 9/15/2023 nate.reincke pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_D02_77035455_Z08.dgn

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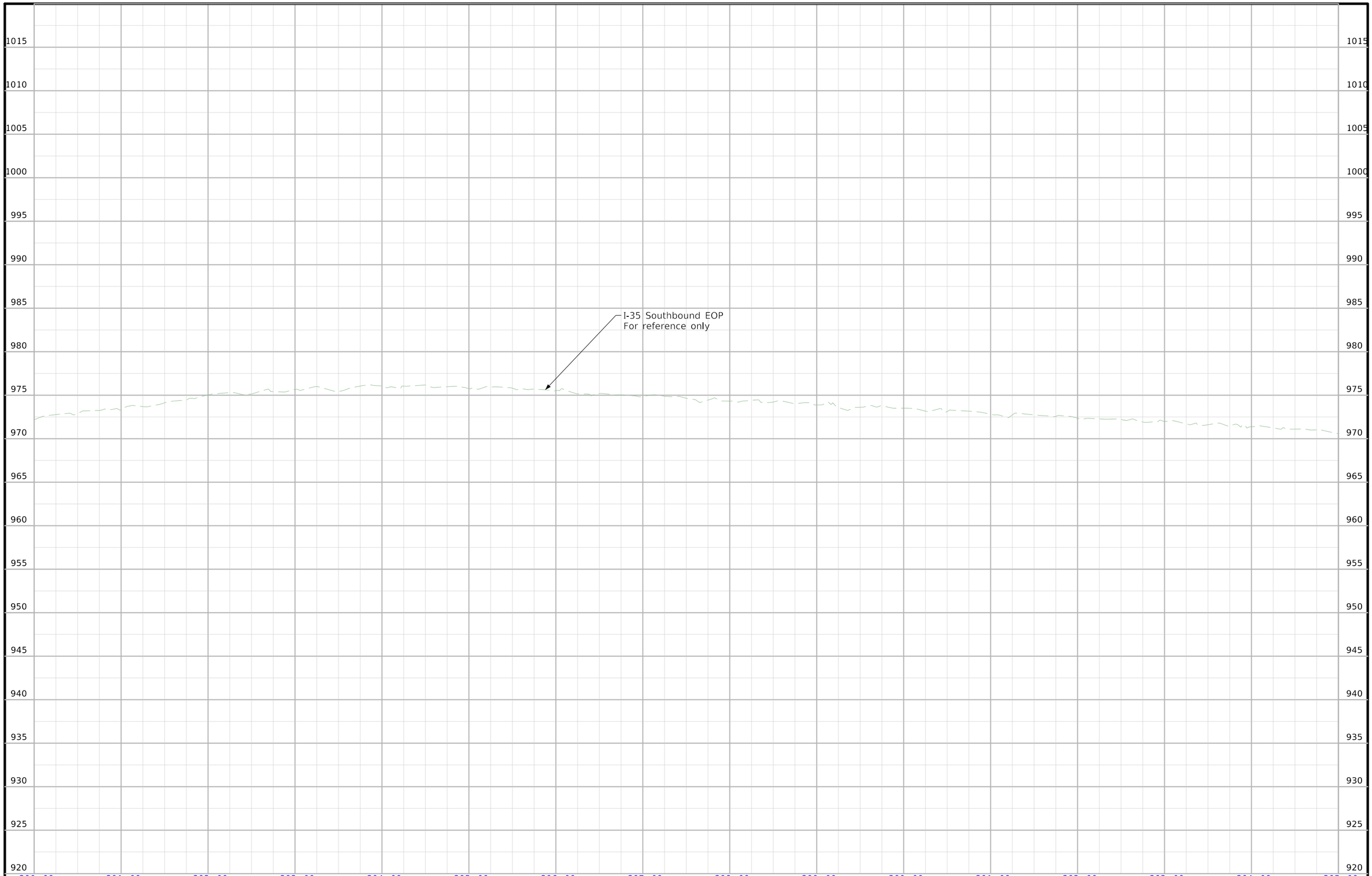

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER D.5	

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WEST DES MOINES TWP
T-78 R-25W
SEC 06

ASHWORTH RD

EXSITNG ROW

STA 315+35.00
BEGIN PROJECT

305+00
310+00
315+00
320+00

PT 308+24.49

PT 313+94.77

I-35 (ML35)

RAMP D (RPD8035)

Δ = 03°48'04.23" (RT)
T = 570.70
L = 1140.98
R = 17198.13
E = 9.47
e = NC

EXISTING ROW

0 FEET 50

I-35
(ML35)

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER D.6	

3:51:59 PM 9/15/2023 nate.reincke pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_D02_77035455_Z08.dgn

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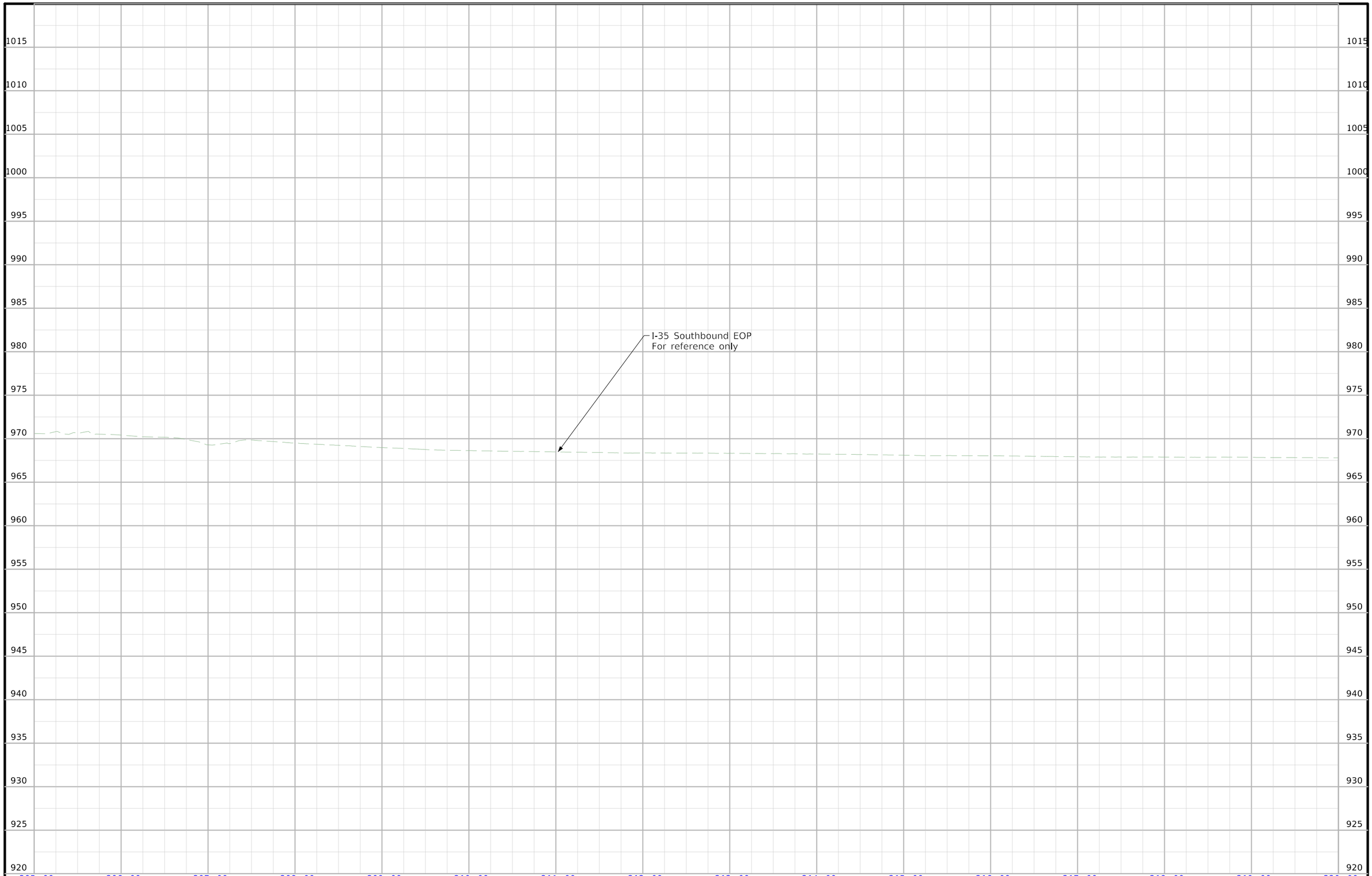

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EXISTING ROW

RAMP F (RPF8035)

WEST DES MOINES TWP.
T-78 R-25W
SEC. 06

Sta. 330+48.83
30" X 54' RCP
D.A. 8.46 Ac
Remove

STA 324+54.62
BEGIN SB PAVING

320+00

325+00

330+00

335+00

EXISTING I-80/35 RAMP F

1120' Taper 95:1 Ratio

I-35 (ML35)

Sta. 320+32.04
48" X 278.5'
D.A. = 6.55 Ac
U.A.C

POT Sta 324+33.81 (ML035)
POC Sta 6025+72.32 0.00' (RPF8035)

Sta. 327+54.27
42" X 246.6' RCP
D.A. = 4.31 Ac
U.A.C

RAMP D (RPD8035)

EXISTING ROW

0 50
FEET

I-35
(ML35)

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER D.8	

3:53:33 PM 9/15/2023 nate.reincke pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_D02_77035455_Z08.dgn

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RPF8035 (10.0')

STA 324+54.62
BEGIN MAINLINE CONSTRUCTION

I-35 Southbound EOP
For reference only

+0.91% LT Ditch Grade

LT +50
956.33

LT +25
962.50

1005 1000 995 990 985 980 975 970 965 960 955 950 945 940 935 930 925 920 915 910

320+00 321+00 322+00 323+00 324+00 325+00 326+00 327+00 328+00 329+00 330+00 331+00 332+00 333+00 334+00 335+00

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER D.9

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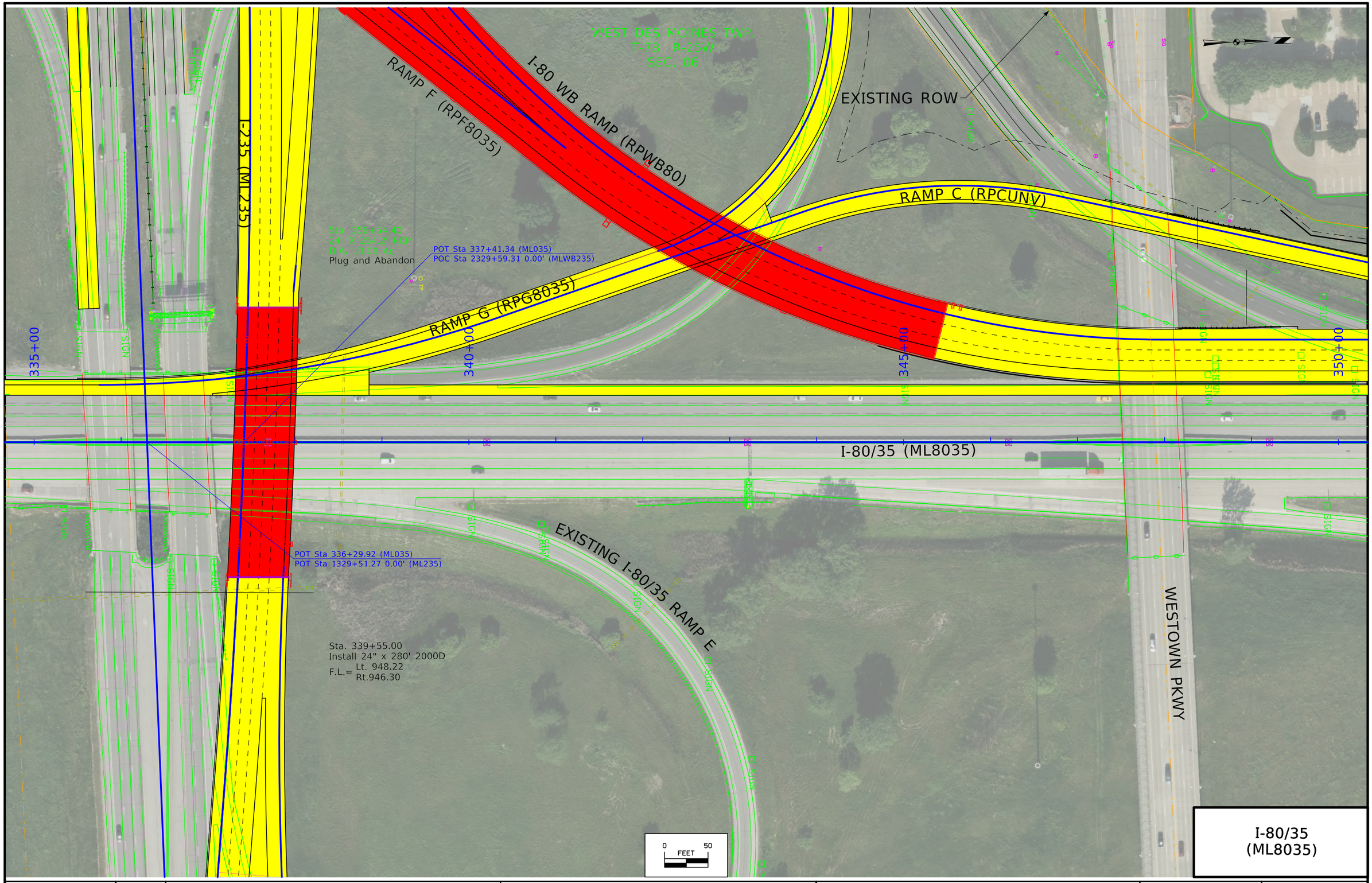

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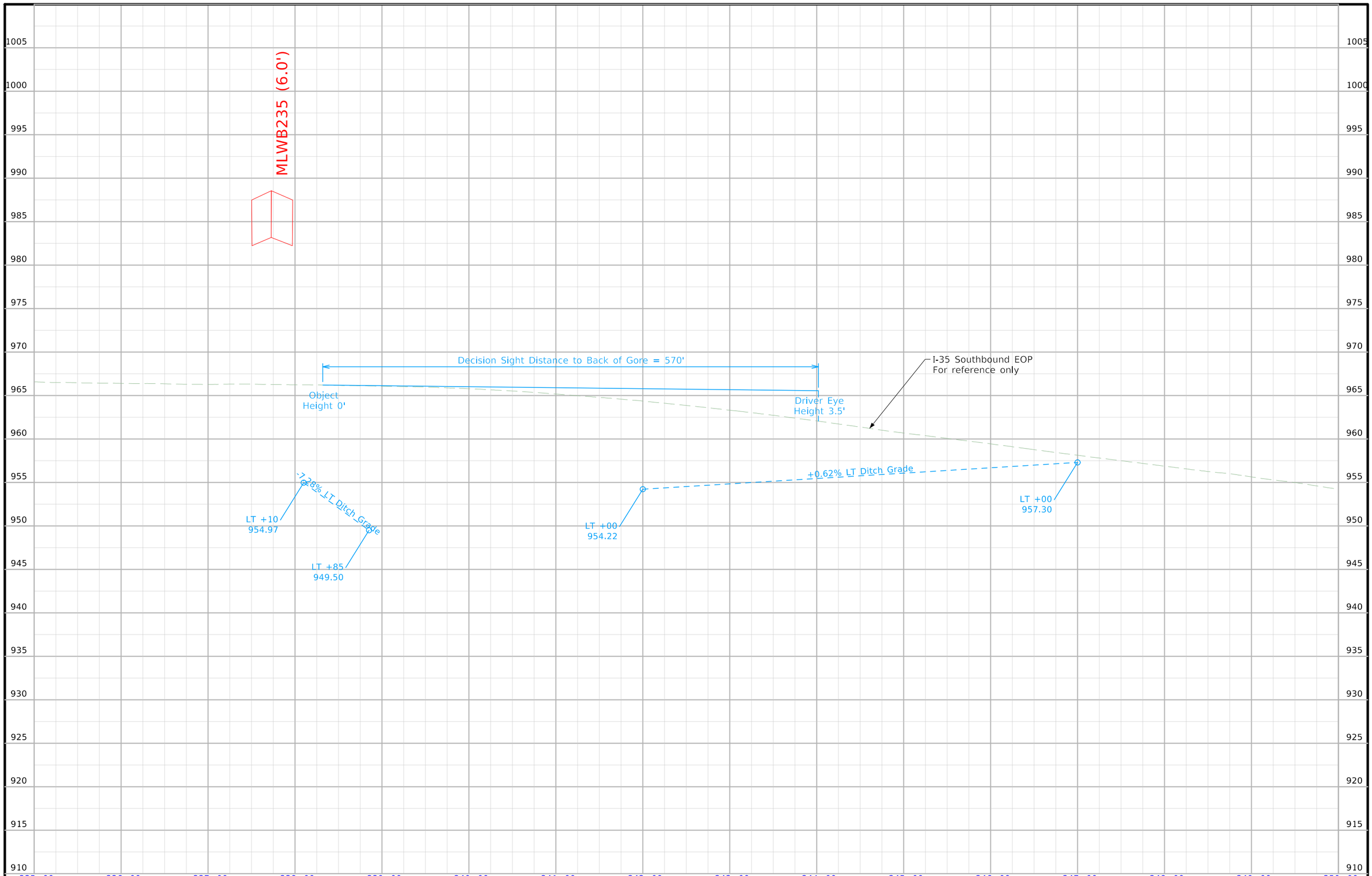

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WEST DES MOINES TWP
T-78 R-25W
SEC. 06

EXISTING ROW

RAMP C (RPCUNV)

622' Taper 25:1 Ratio

350+00

355+00

360+00

365+00

I-80/35 (ML8035)

SIGN

Sta. 5108+81.17
24" X 162.7' RCP
D.A. = 8.10 Ac
U.A.C

Sta. 5872+71.60
Skew = 20°35' Rt. Ahd.
36" X 86.5' RCP
D.A = 4.00 Ac
U.A.C

Sta. 360+52.93
Skew = 57°45' Rt. Ahd.
36" X 361.6' RCP
D.A. = 7.62 Ac
Extend Left

Sta. 5870+09.17
Skew = 22°09' Rt. Ahd.
24" X 98.1' RCP
D.A. = 1.93 Ac
U.A.C

0 50
FEET

I-80/35
(ML8035)

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER D.12	

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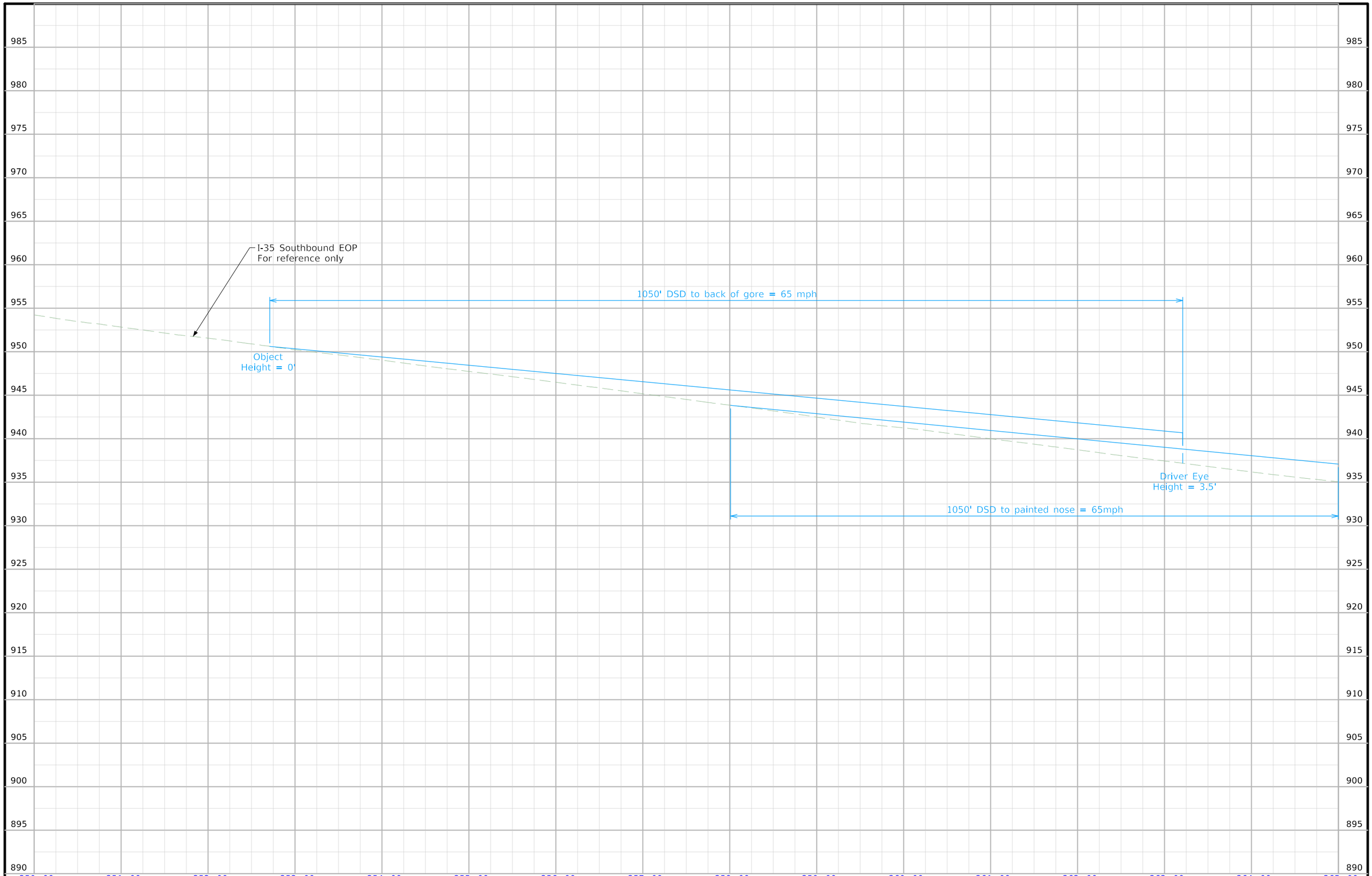

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER D.13	

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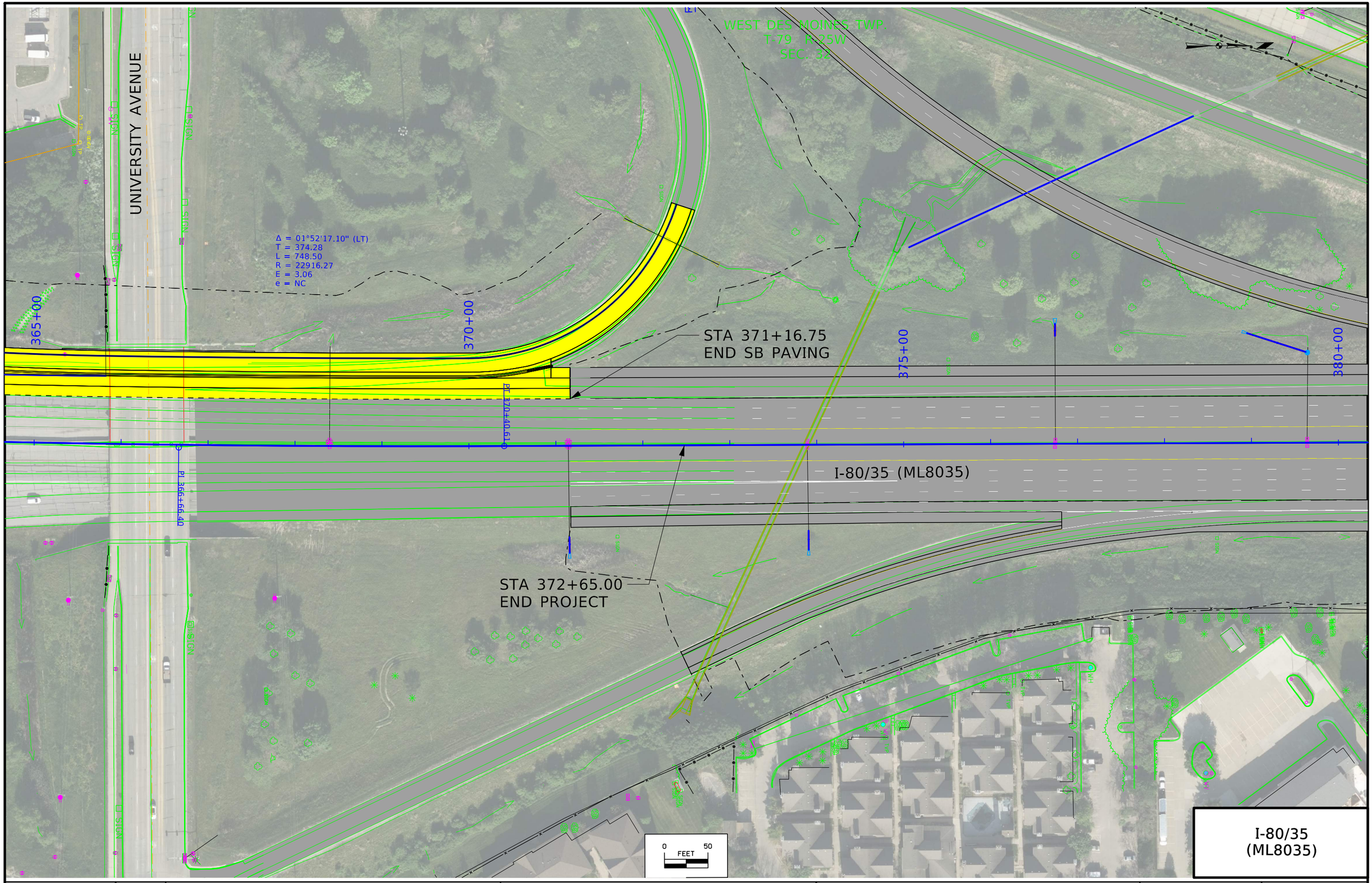

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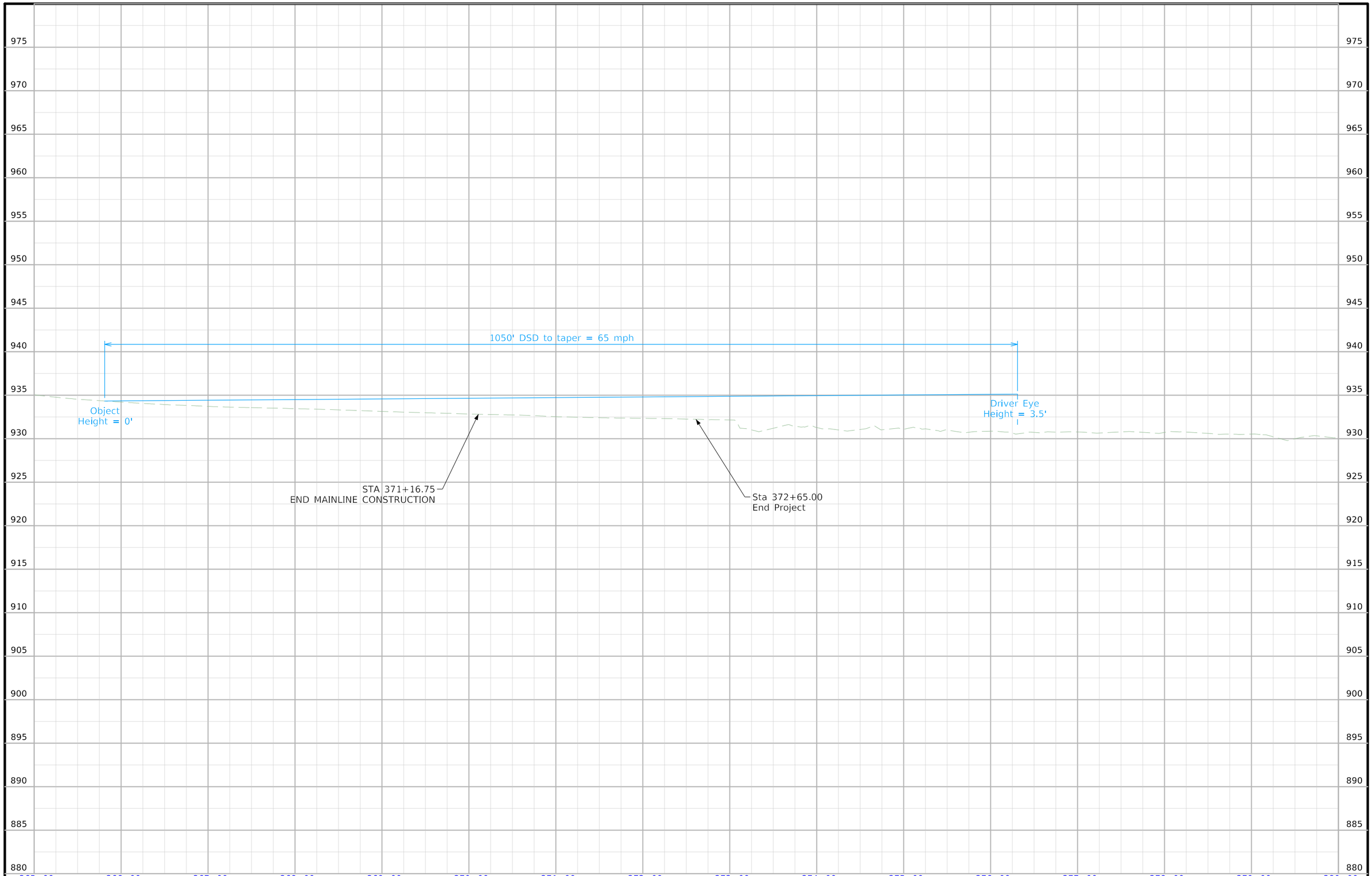

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER D.15

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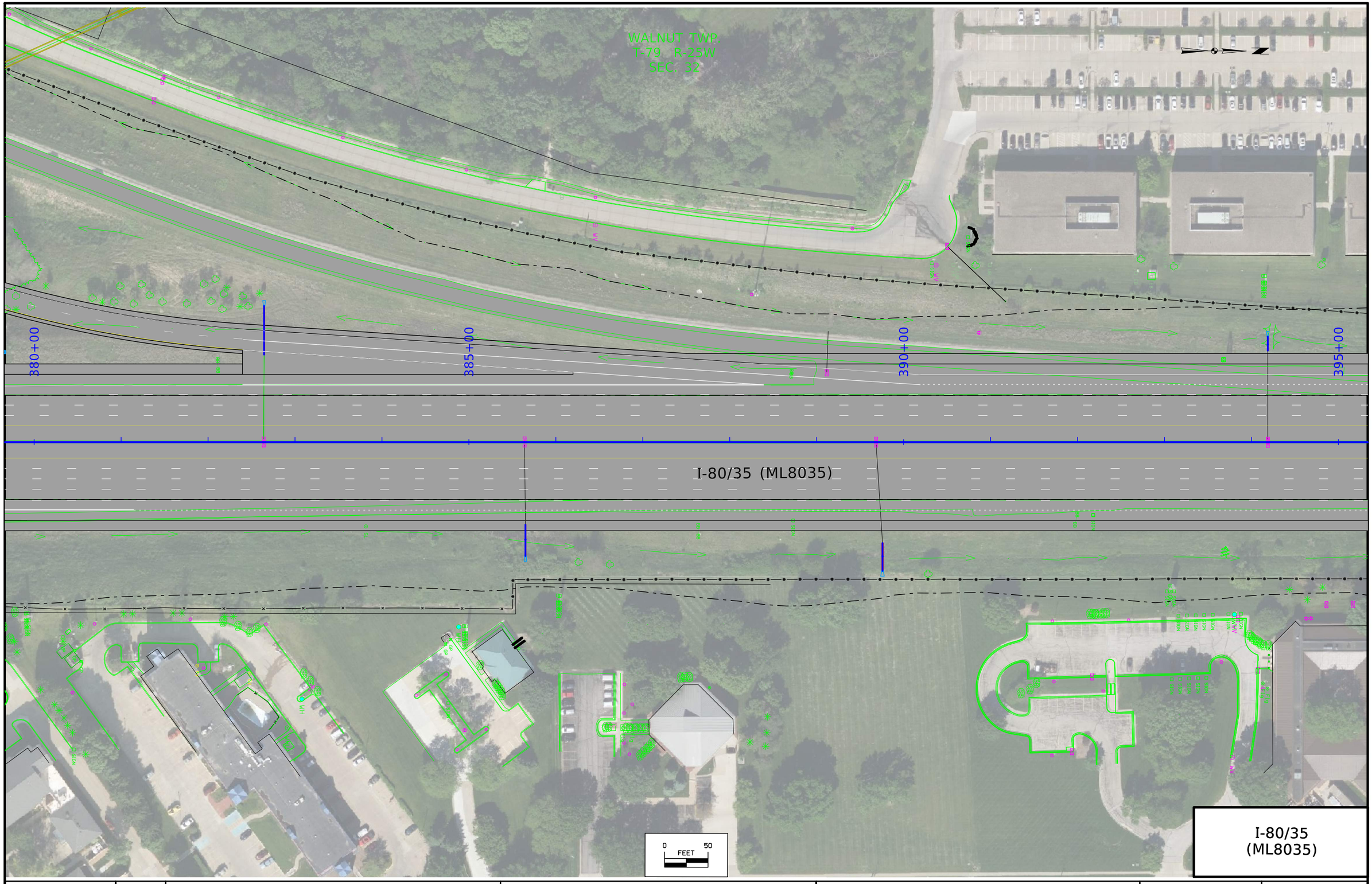

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER D.16

3:59:22 PM 9/15/2023 nate.reincke pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_D02_77035455_Z08.dgn

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955
950
945
940
935
930
925
920
915
910
905
900
895
890
885
880
875
870
865
860

I-35 Southbound EOP
For reference only

380+00 381+00 382+00 383+00 384+00 385+00 386+00 387+00 388+00 389+00 390+00 391+00 392+00 393+00 394+00 395+00

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER D.17	

3:59:23 PM 9/15/2023 nate.reincke pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_D02_77035455_Z08.dgn

WALNUT TWP.
T-79 R-25W
SEC. 32

395+00

400+00

405+00

410+00

I-80/35 (ML8035)

0 50
FEET

I-80/35
(ML8035)

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER D.18	

4:00:57 PM 9/15/2023 nate.reincke pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_D02_77035455_Z08.dgn

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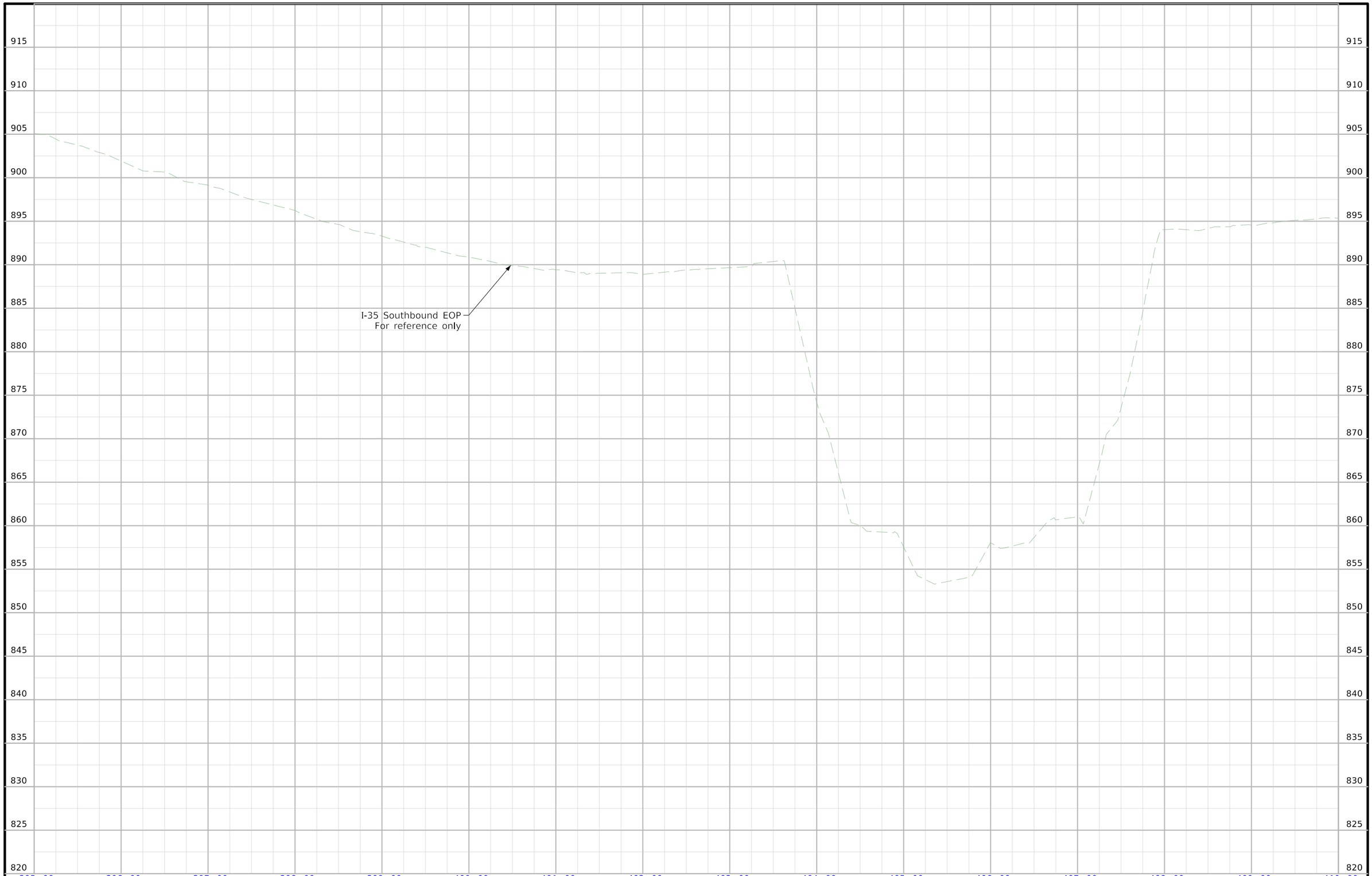

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER D.19	

4:00:58 PM 9/15/2023 nate.reincke pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_D02_77035455_Z08.dgn

BOONE TWP.
T-78N R-25W
SEC. 01

STA 1284+98.27
BEGIN WB I-235 PAVNG

Sta. 31286+52.33
30" X 108.7' RCP
D.A. = 3.64

EXISTING ROW

1285+00

1290+00

Sta. 4134+00.98
Skew = 87°20" Lt. Ahd.
24" X 263.74' RCP
D.A. = 6.42 Ac
Extend

EXISTING ROW

1295+00

1300+00

I-80 (ML80)

EXISTING ROW

Sta. 1285+91.25
Skew = 34°46' Lt. Ahd.
36" X 308.86' RCP
D.A. = 3.80 Ac
U.A.C.

Sta. 4132+18.90
Skew = 88°27' Lt. Ahd.
24" X 240.55' RCP
D.A. = 15.66 Ac
U.A.C.

60TH ST

0 FEET 50

I-80
(ML80)

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER D.20

4:03:04 PM 9/15/2023 nate.reincke pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_D03_77035455_Z08.dgn

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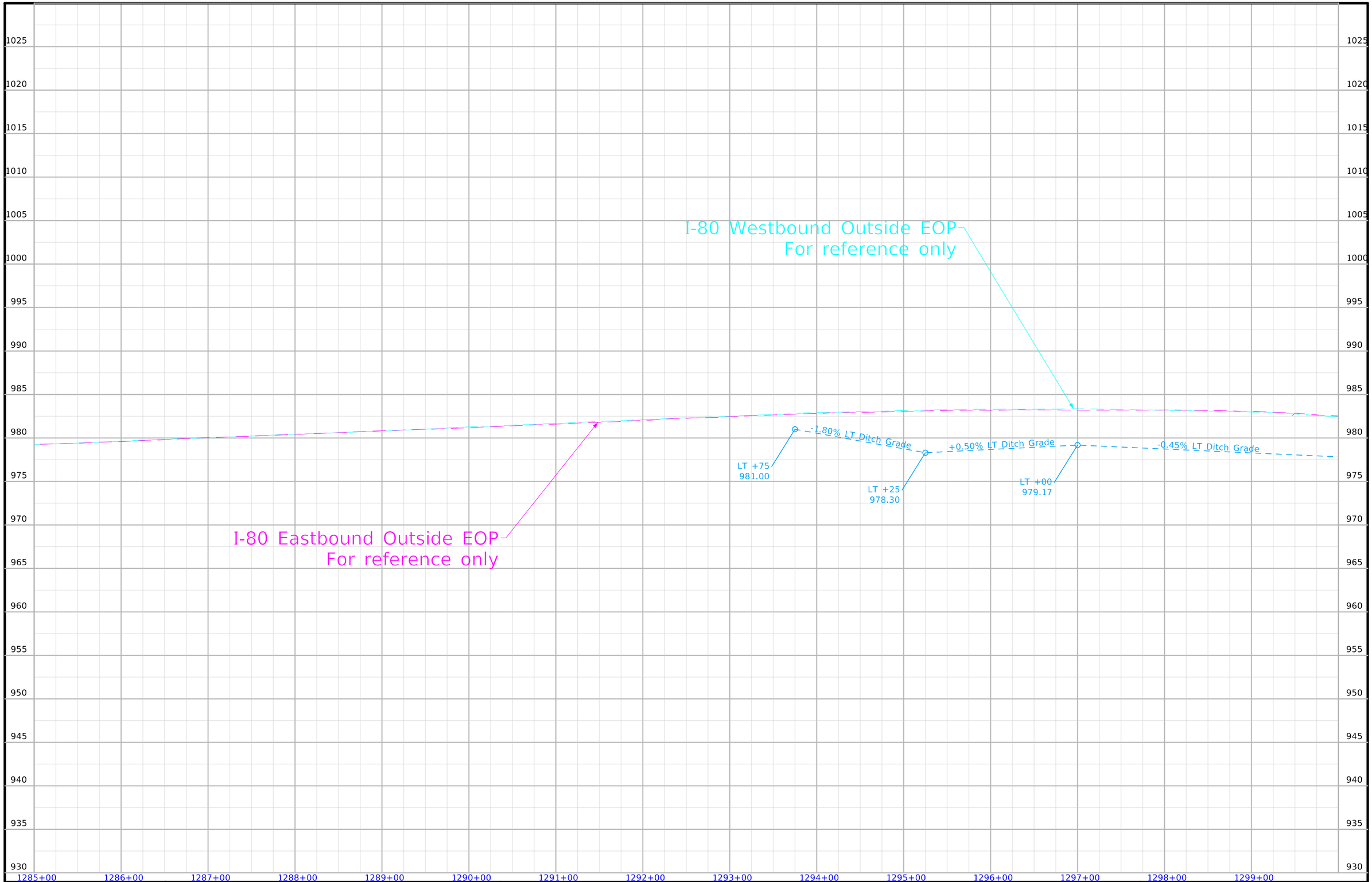

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER D.21

4:03:12 PM 9/15/2023 nate.reincke pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_D03_77035455_Z08.dgn

WEST DES MOINES TWP.
T-87 R-25W
SEC. 06

Δ = 03°43'02.55" (LT)
T = 227.16
L = 454.16
R = 6999.99
E = 3.68
e = 2.60%
L = 145
x = 140
DS = 65 mph

STA 2300+97.21
BEGIN I-235 WB PAVING

EXISTING ROW

POC Sta 2032+65.31 (MLWB235)
POT Sta 3500+00.00 (RPWB80)

2305+00

PI 2305+51.31

2310+00

EXISTING I-80 WB RAMP

2315+00

PC 2315+96.43

I-235 WB (MLWB235)

1300+00

1305+00

1310+00

1315+00

PI 1303+24.37

I-80 (ML80)

Sta. 2315+97.95
Skew = 01°12' Rt. Ahd.
3' X 4' (estimated) X 198.7'
D.A. = 16.48 Ac
Remove

EXISTING ROW

Sta. 5815+00.53
Skew = 27°36' Rt. Ahd.
3' X 4' (estimated) X 74.2' RCB
D.A. = 13.45 Ac
I.A.C.

0 50
FEET

I-235 WB
(MLWB235)

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER D.22

4:05:01 PM 9/15/2023 nate.reincke pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_D04_77035455_Z08.dgn

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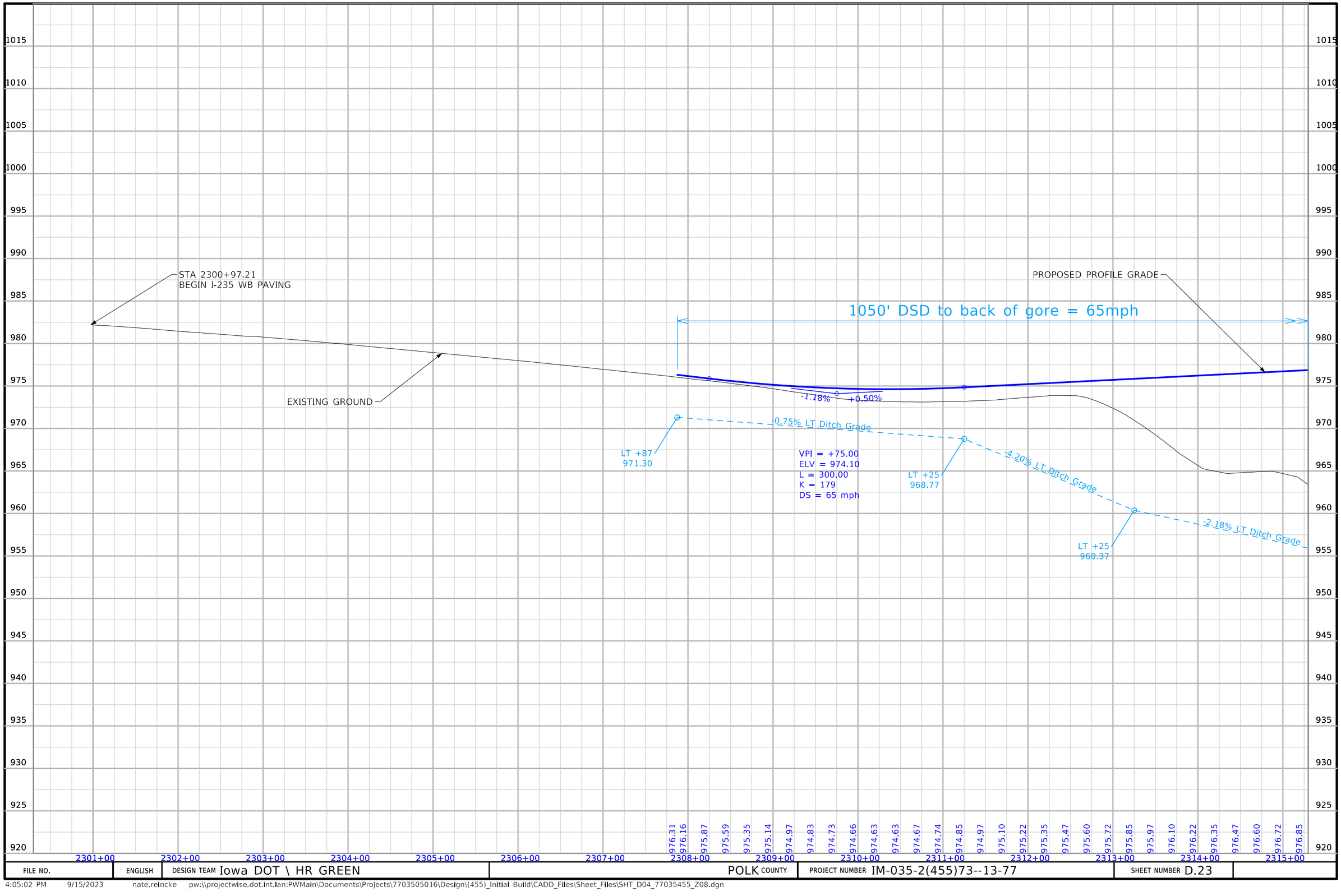

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER D.23

4:05:02 PM 9/15/2023 nate.reincke pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_D04_77035455_Z08.dgn

EXISTING I-80 WB RAMP

EXISTING ROW

WEST DES MOINES TWP.
T-87 R-25W
SEC. 06

RAMP G (RPG8035)

I-80 WB RAMP (RPWB80)

POC Sta 2320+87.57 (MLWB235)
POC Sta 3519+99.80 (RPWB80)

POC Sta 2323+35.32 (MLWB235)
POC Sta 6043+14.18 (RPF8035)

2315+00

2320+00

2325+00

2330+00

STA 2328+04.81
STOP I-235 WB PAVING

I-235 WB (MLWB235)

1315+00

1320+00

1325+00

1330+00

I-80 (ML80)

STA 1319+97.08 (ML80)
BEGIN I-235 EB PAVING

Sta. 1315+54.69
Skew = 09°33' Rt. Ahd.
3' X 4' (estimated) X 239.9" RCB
D.A. = 9.32 Ac
Extend Left

RAMP F (RPF8035)

EXISTING I-80/35 RAMP F

Δ = 10°24'59.25" (RT)
T = 938.86
L = 1872.56
R = 10300.00
E = 42.70
e = NC
DS = 65 mph

STA 1327+95.16 (ML80)
END I-235 EB PAVING

I-35 (ML35)

0 50
FEET

I-235 WB
(MLWB235)

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER D.24	

6:54:39 PM 9/15/2023 wade.zahuronespw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_D04_77035455_Z08.dgn

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RPWB80 (12.0')

RPF8035 (10.0')

PROPOSED PROFILE GRADE

BRIDGE DEPTH (6.0')

+0.50%

+1.58%

VPI = +00.00
ELV = 980.72
L = 200.00
K = 185
DS = 65 mph

EXISTING GROUND

-2.18%

LT Ditch Grade

+2.31% LT Ditch Grade

LT +00
954.38

LT +25
957.27

LT +75
954.12

-2.36% LT Ditch Grade

LT +25
948.22

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER D.25

6:48:06 PM 9/15/2023 wade.zahuronespw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_D04_77035455_Z08.dgn

WEST DES MOINES TWP
T-87 R-25W
SEC. 06

POC Sta 2329+59.31 (MLWB235)
POT Sta 337+41.34 (ML8035)

Sta. 1331+25.88
36" X 39" X 372' RCB
D.A. 8.80 Ac
Extend Left

RAMP E (RPE8035)

Δ = 06°41'55.56" (LT)
T = 175.57
L = 350.75
R = 3000.00
E = 5.13
e = 5.00%
L = 280
x = 140
DS = 65 mph

Sta. 1344+06.66
Skew = 24°38' Rt. Ahd.
36" X 129.9' RCP
D.A. 1.96 Ac
U.A.C.

EXISTING ROW

Sta. 5849+22.22
24" X 148.8' RCP
D.A. = 3.55 Ac
Extend

Sta. 1342+40.44
Skew = 15°10' Rt. Ahd.
36" X 182.3' RCP
D.A. = 1.96 Ac
U.A.C.

2330+00
2335+00
2340+00
2345+00
1330+00
1335+00

PI 2338+71.04

I-235 WB (MLWB235)

I-235 (ML235)

STA 2331+13.81
RESUME I-235 WB PAVING

STA 2343+82.21
END I-235 WB PAVING

I-35 (ML35)

EXISTING I-80/35 RAMP

RAMP F (RPF8035)

EXISTING ROW

0 50
FEET

I-235 WB
(MLWB235)

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER D.26	

6:55:38 PM 9/15/2023 wade.zahuronespw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_D04_77035455_Z08.dgn

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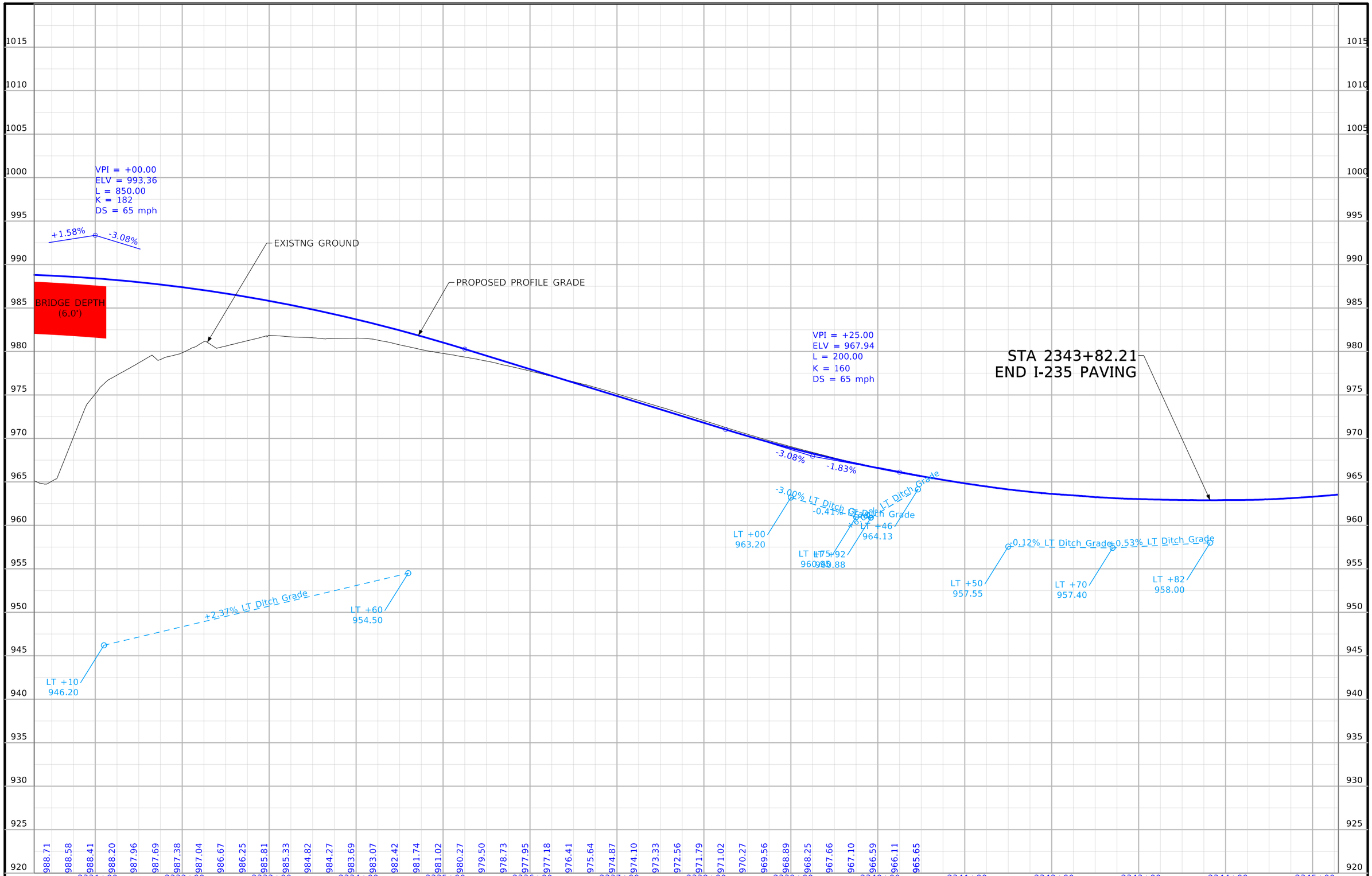

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER D.27

4:08:49 PM 9/15/2023 nate.reincke pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_D04_77035455_Z08.dgn

WEST DES MOINES TWP.
T-78N R-25W
SEC. 05

EXISTING ROW

Sta. 1345+06.65
36" X 129.9' RCP
D.A. 1.96

Sta. 1347+78.92
Skew = 11°13' Rt. Ahd.
24" X 234.4' RCP
D.A. = 2.3 Ac

EXISTING 50TH RAMP A

EXISTING I-80/35 RAMP A

1345+00

1350+00

1355+00

1360+00

I-235 (ML235)

RAMP F (RPF8035)

RAMP D (RPD8035)

STA 1347+78.16
BEGIN I-235 PAVING

EXISTING ROW

Sta. 1444+76.01
Skew = 70°01' Lt. Ahd.
30" X 160.1' RCP
D.A. = 1.70 Ac

50TH ST

0 50
FEET

I-235
(ML235)

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER D.28	

4:10:23 PM 9/15/2023 nate.reincke pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_D05_77035455_Z08.dgn

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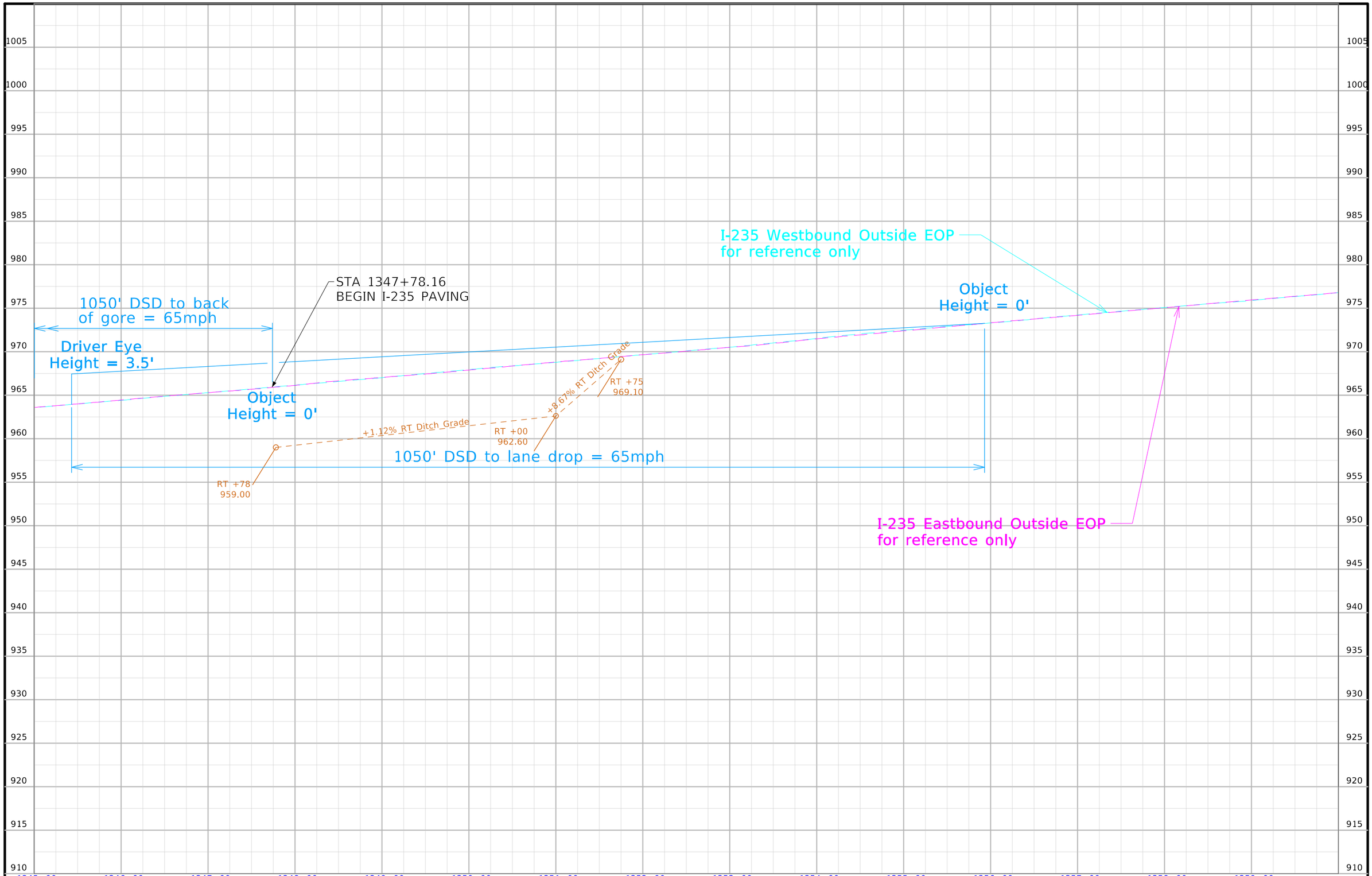
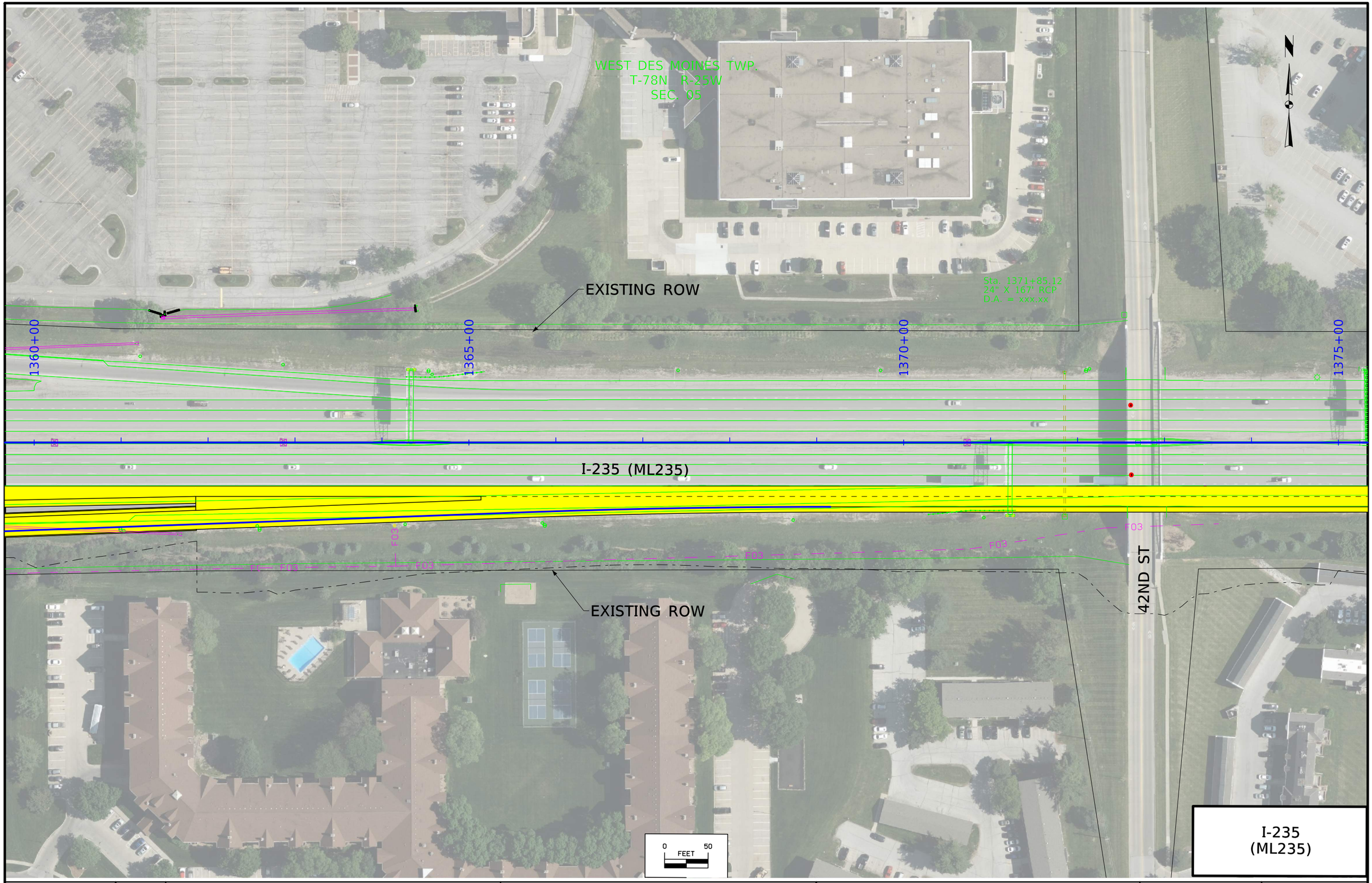


FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER D.29

4:10:25 PM 9/15/2023 nate.reincke pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_D05_77035455_Z08.dgn



FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER D.30	

4:11:59 PM 9/15/2023 nate.reincke pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_D05_77035455_Z08.dgn

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1050' DSD to
back of gore
= 65mph

I-235 Westbound Outside EOP
for reference only

I-235 Eastbound Outside EOP
for reference only

1015 1010 1005 1000 995 990 985 980 975 970 965 960 955 950 945 940 935 930 925 920

1360+00 1361+00 1362+00 1363+00 1364+00 1365+00 1366+00 1367+00 1368+00 1369+00 1370+00 1371+00 1372+00 1373+00 1374+00

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER D.31

4:12:00 PM 9/15/2023 nate.reincke pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_D05_77035455_Z08.dgn

WEST DES MOINES TWP.
T-78N R-25W
SEC. 05

EXISTING ROW

1375+00

1380+00

1385+00

1390+00

I-235 (ML235)

RAMP B (RPBVW)

EXISTING ROW

0 50
FEET

I-235
(ML235)

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER D.32	

4:13:31 PM 9/15/2023 nate.reincke pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_D05_77035455_Z08.dgn

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1050' DSD to
taper = 65 mph

Object
Height = 0'

I-235 Westbound Outside EOP
for reference only

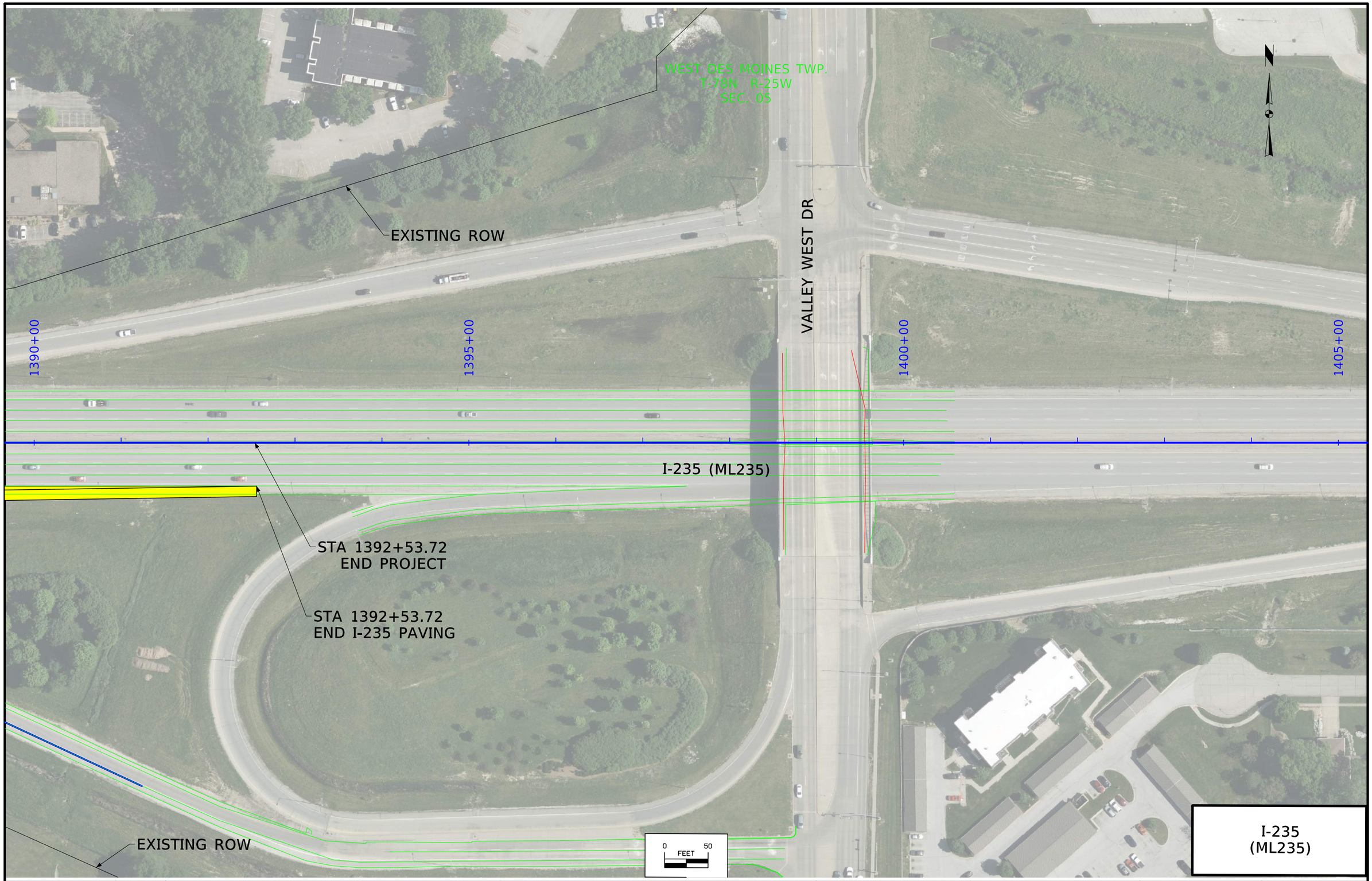
I-235 Eastbound Outside EOP
for reference only

1005 1000 995 990 985 980 975 970 965 960 955 950 945 940 935 930 925 920 915 910

1375+00 1376+00 1377+00 1378+00 1379+00 1380+00 1381+00 1382+00 1383+00 1384+00 1385+00 1386+00 1387+00 1388+00 1389+00

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER D.33

4:13:32 PM 9/15/2023 nate.reincke pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_D05_77035455_Z08.dgn



FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER D.34	

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STA 1392+53.72
END I-235 CONSTRUCTION

STA 1392+53.72
END I-235 PAVING

I-235 Westbound Outside EOP
for reference only

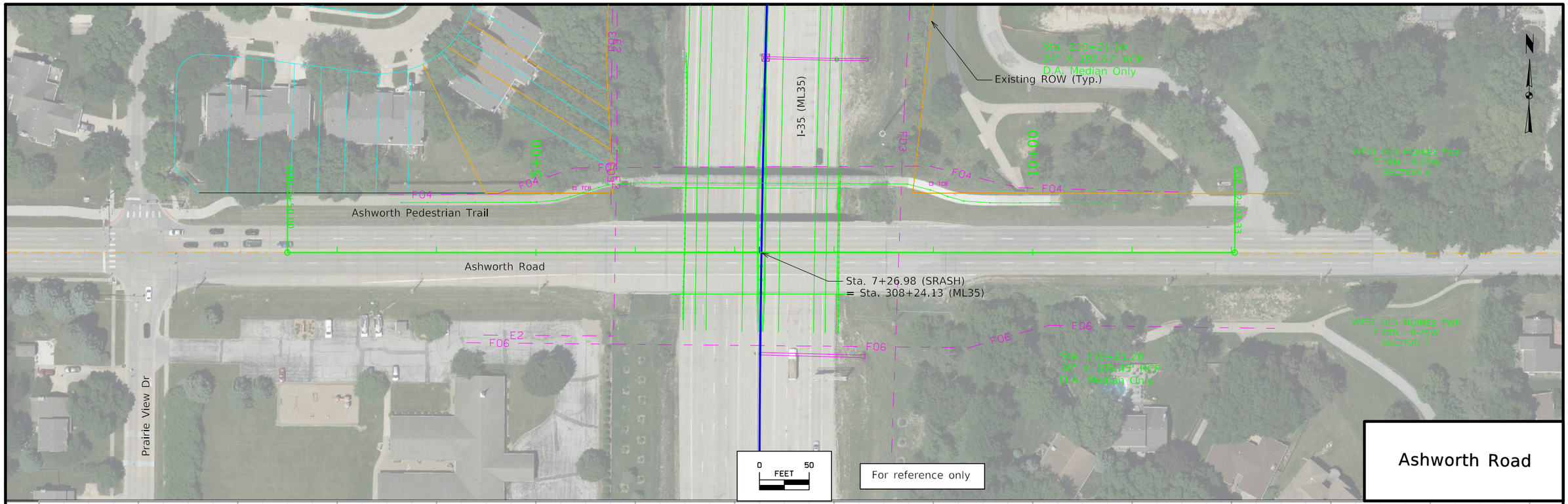
I-235 Eastbound Outside EOP
for reference only

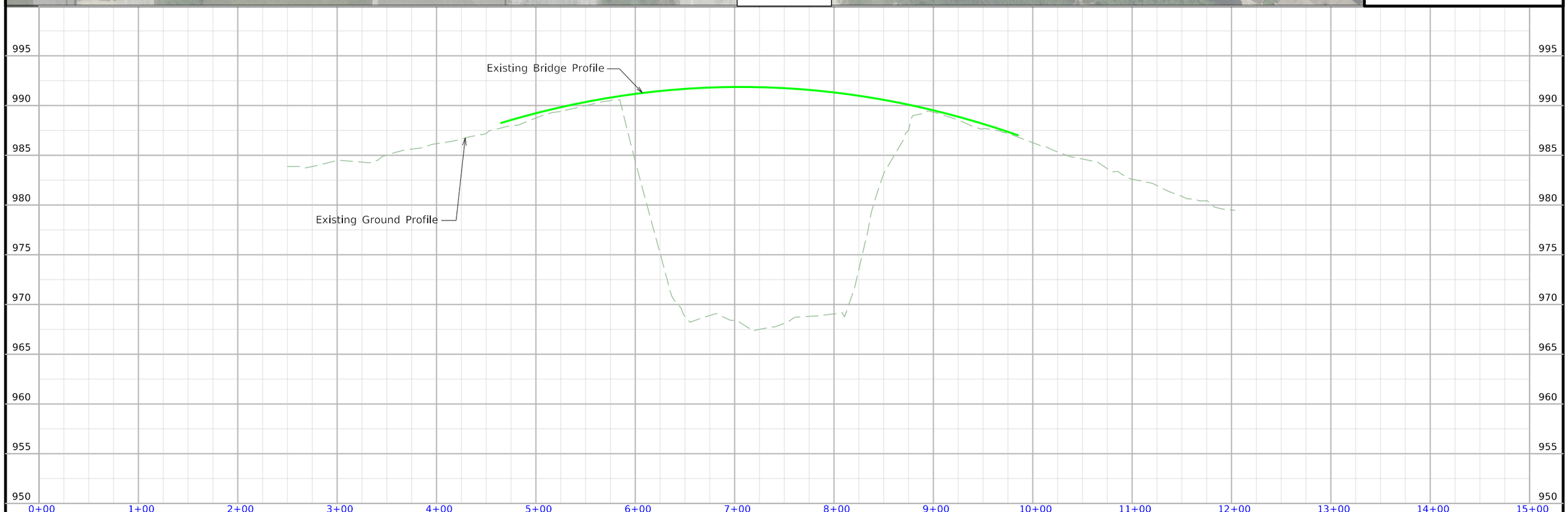
985 980 975 970 965 960 955 950 945 940 935 930 925 920 915 910 905 900 895 890

1390+00 1391+00 1392+00 1393+00 1394+00 1395+00 1396+00 1397+00 1398+00 1399+00 1400+00 1401+00 1402+00 1403+00 1404+00

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER D.35

4:15:06 PM 9/15/2023 nate.reincke pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_D05_77035455_Z08.dgn





FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER E.1

2:31:17 PM 9/15/2023 jverry pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_E01_77035455_Z08

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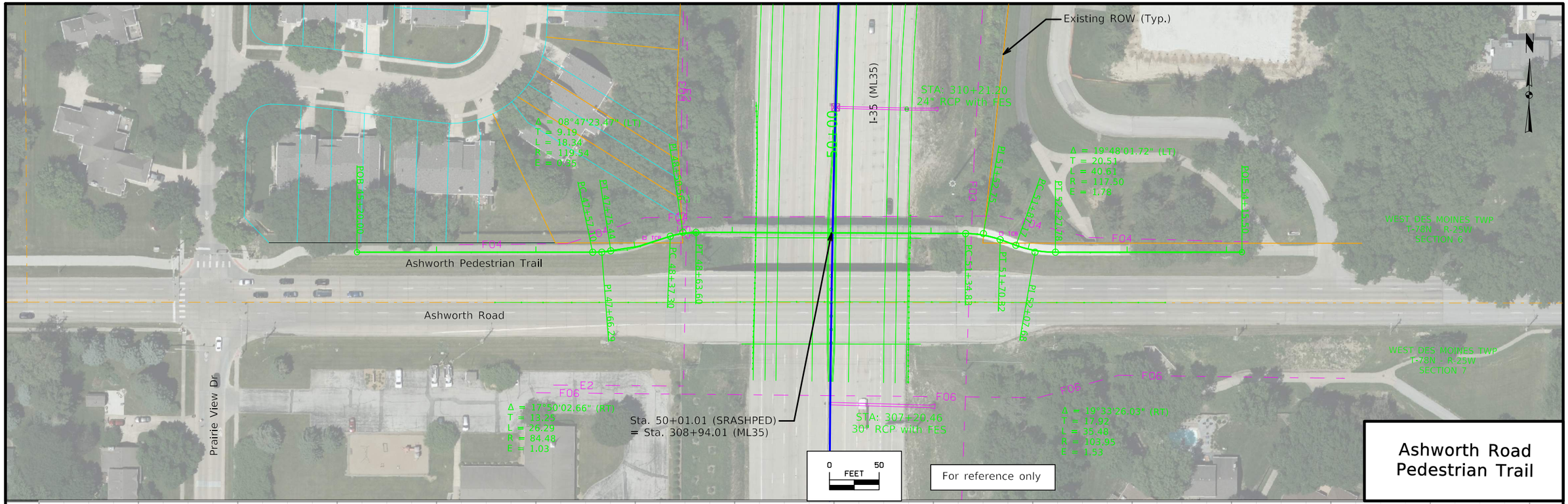

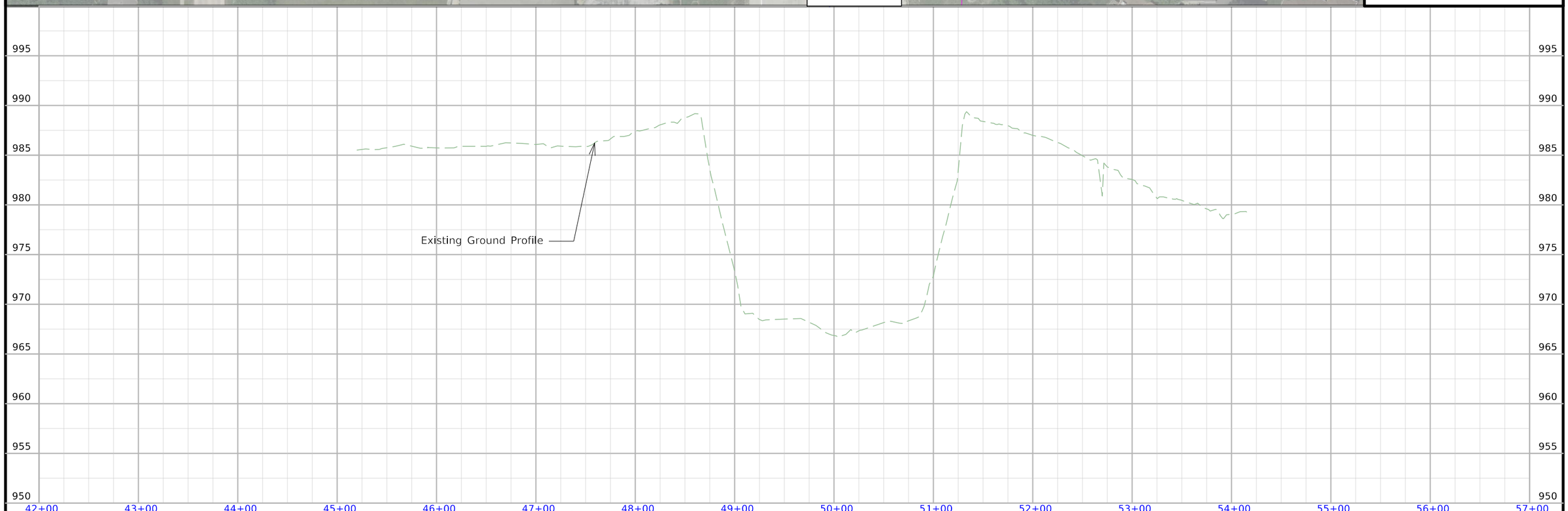

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER E.2

2:32:02 PM 9/15/2023 jverry pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_E02_77035455_Z08

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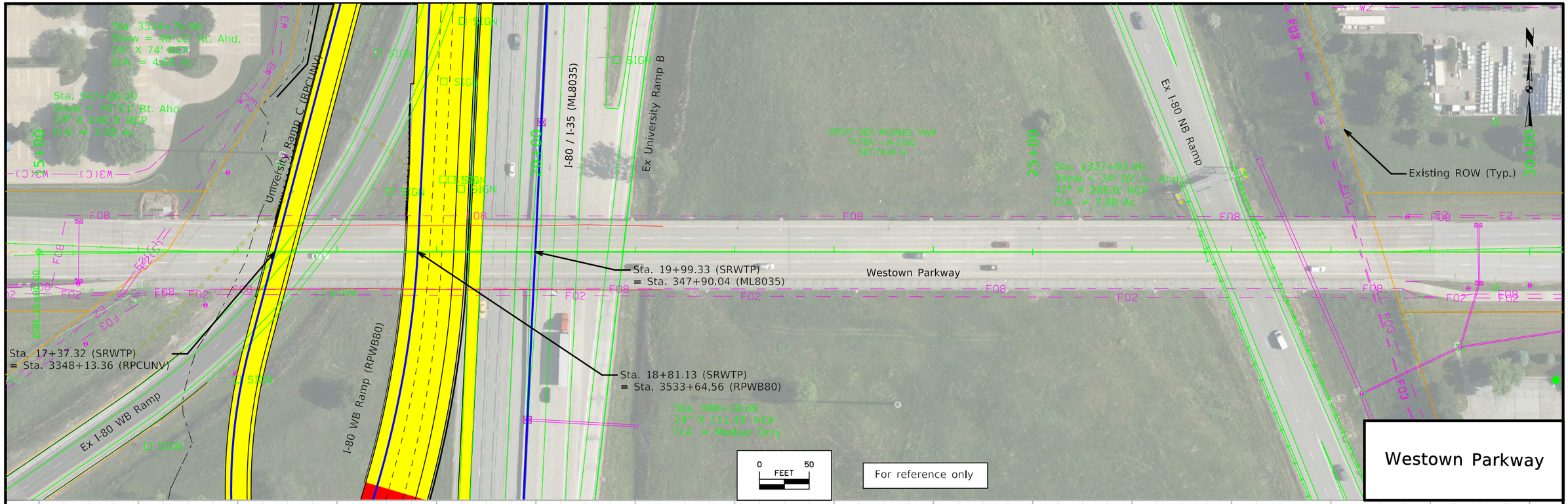

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER E.3

2:33:10 PM 9/15/2023 jverry pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_E03_77035455_Z08

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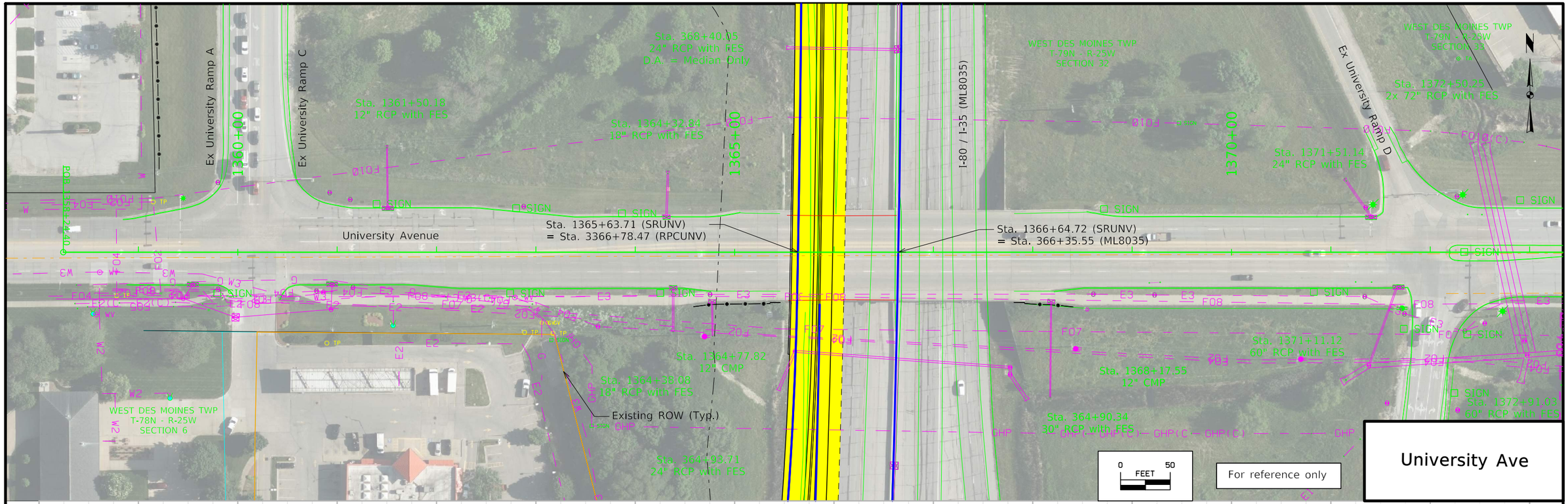

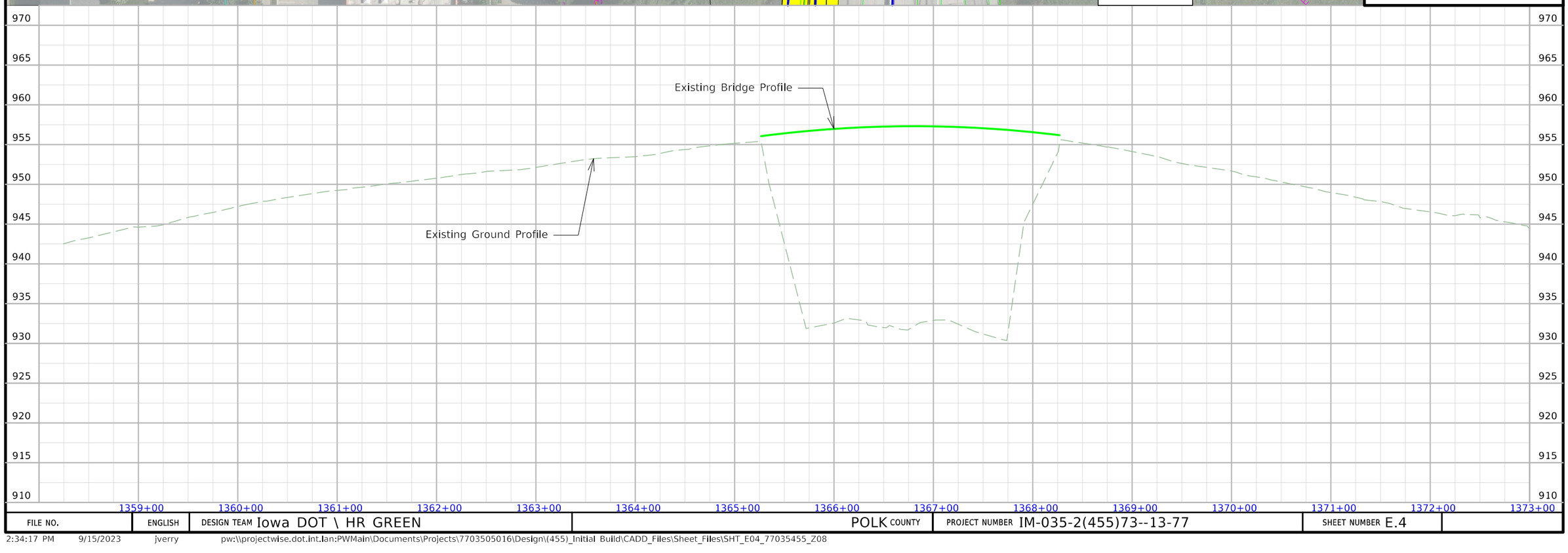

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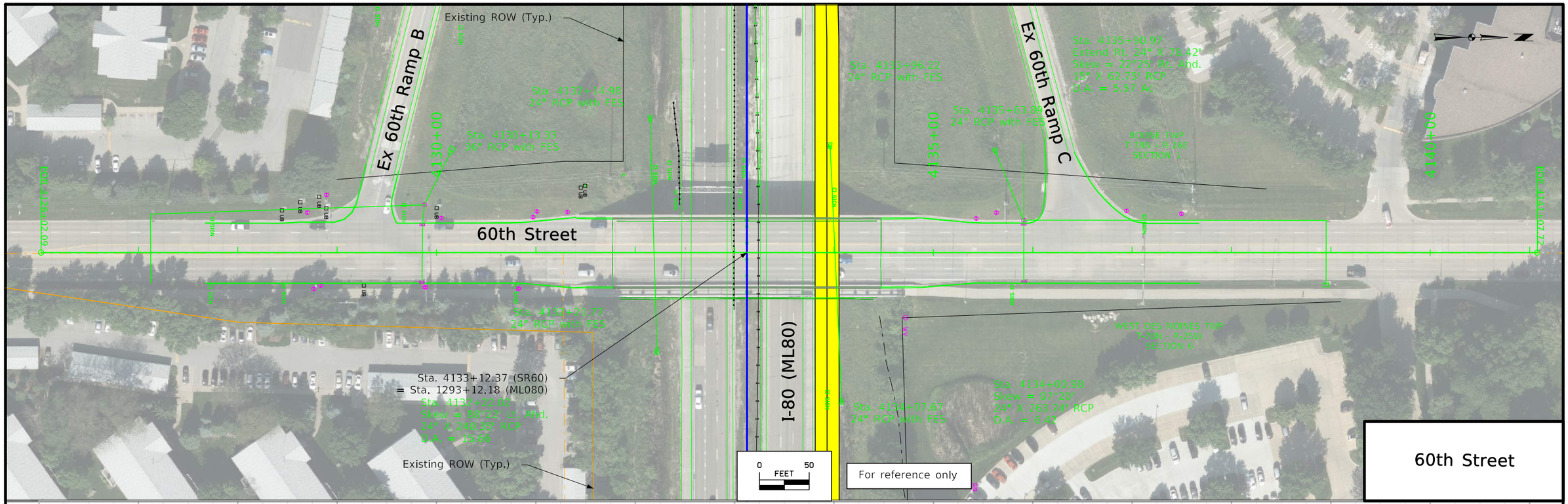

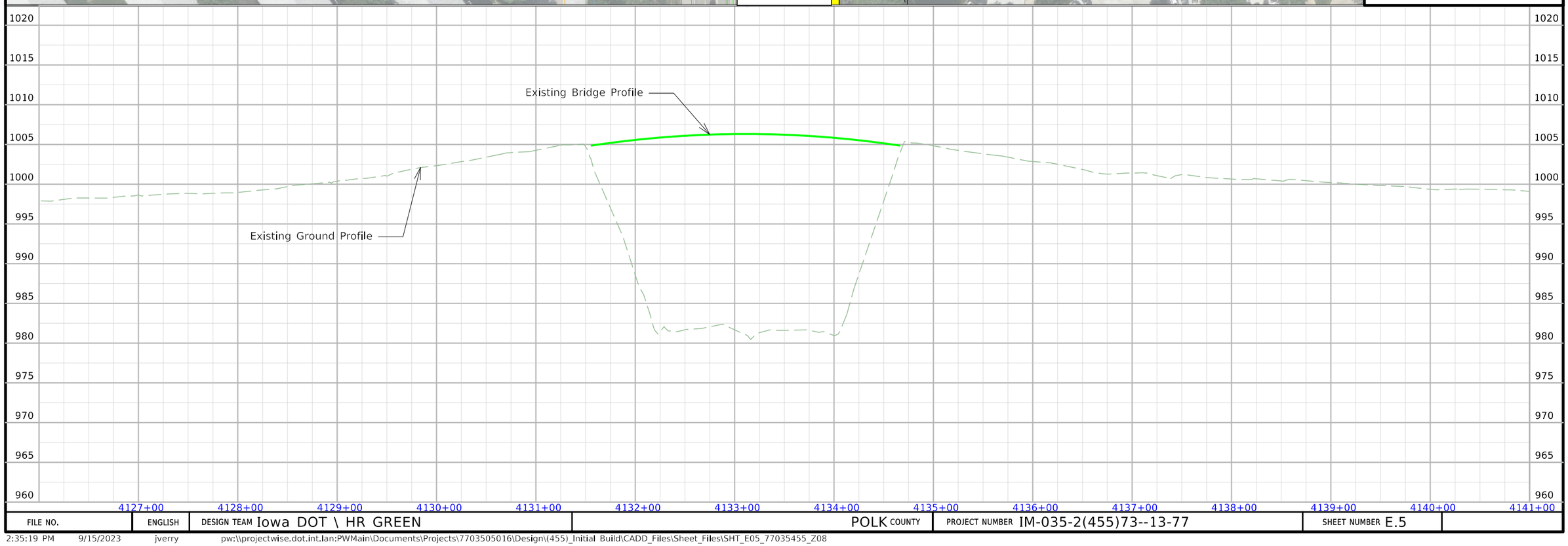

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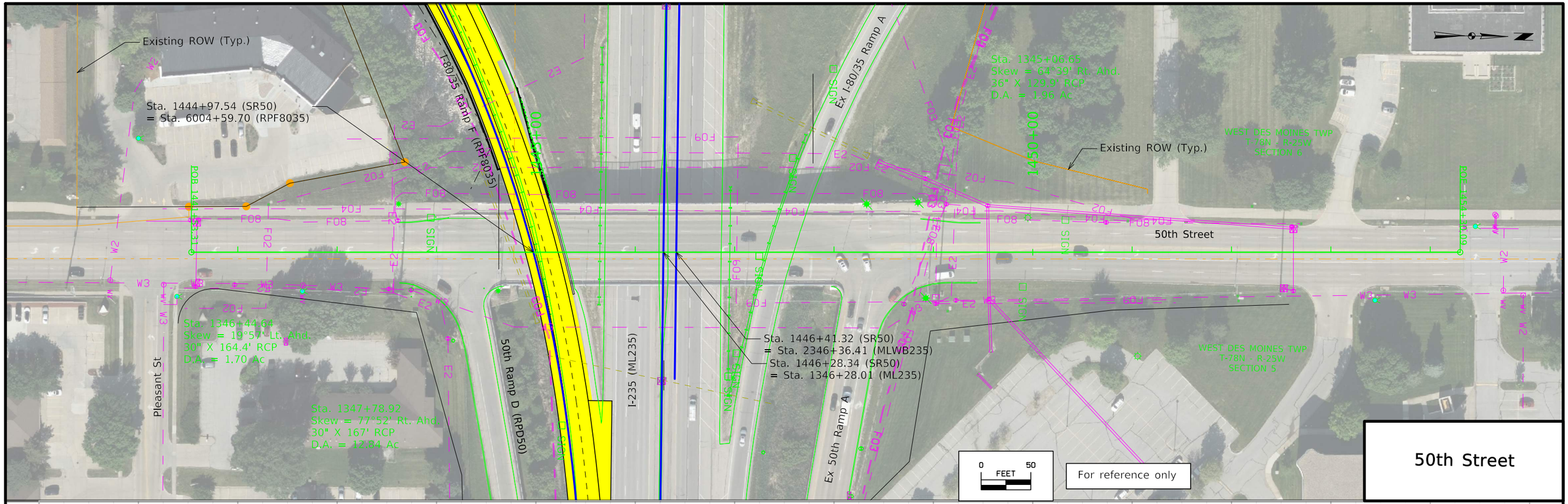

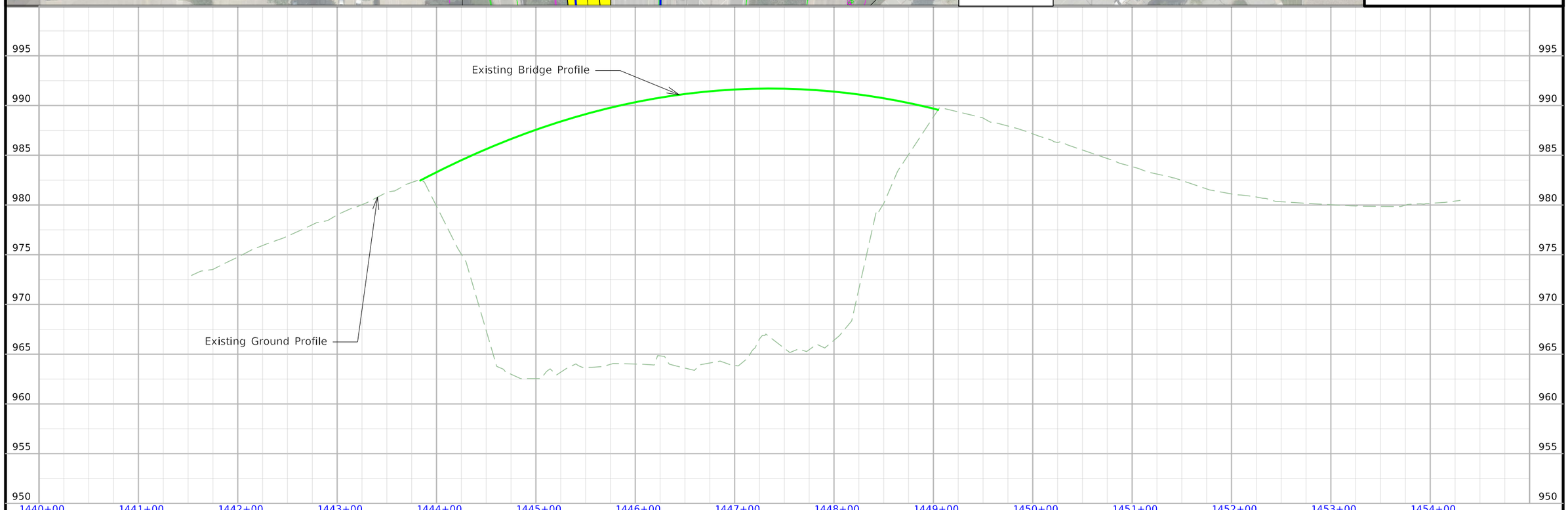

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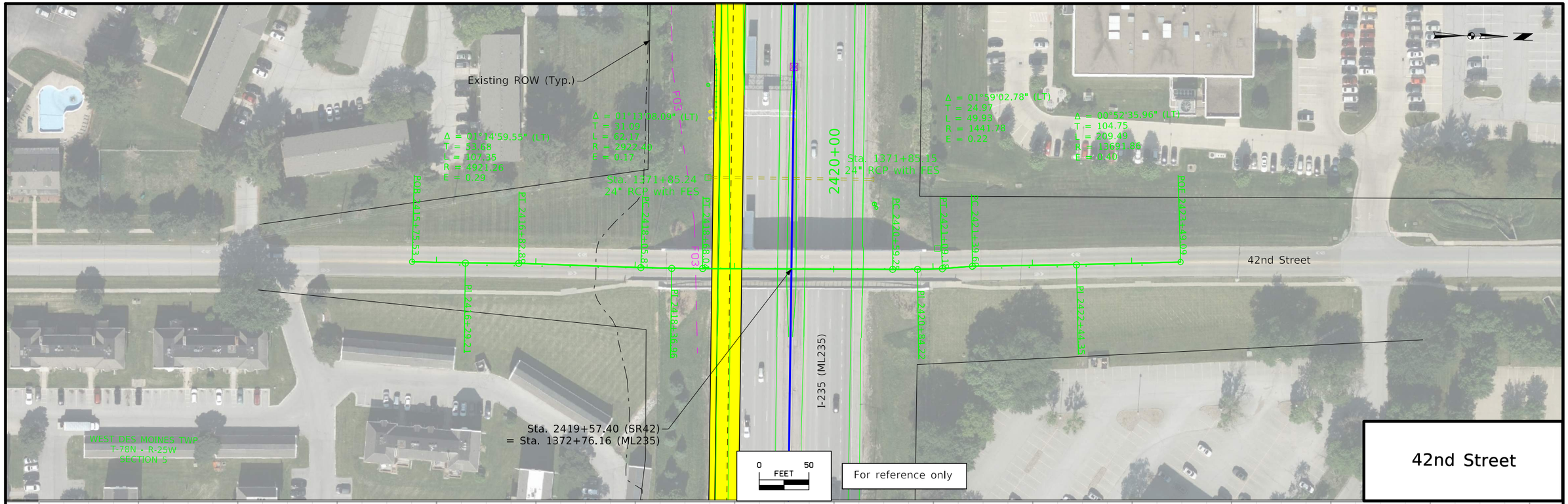

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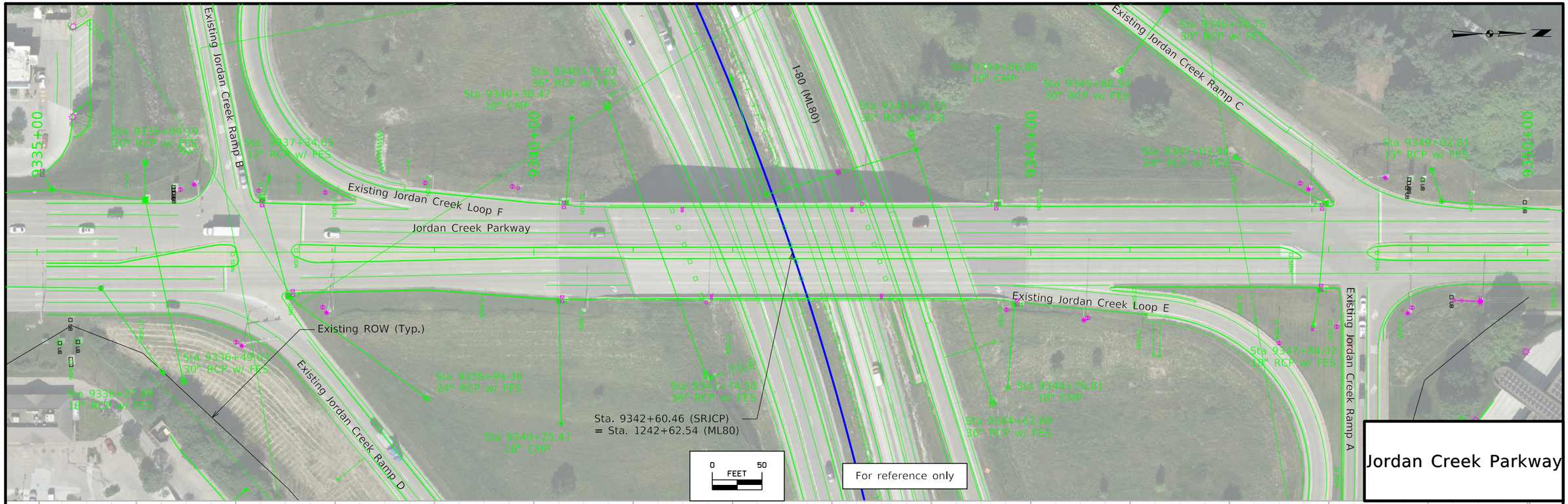

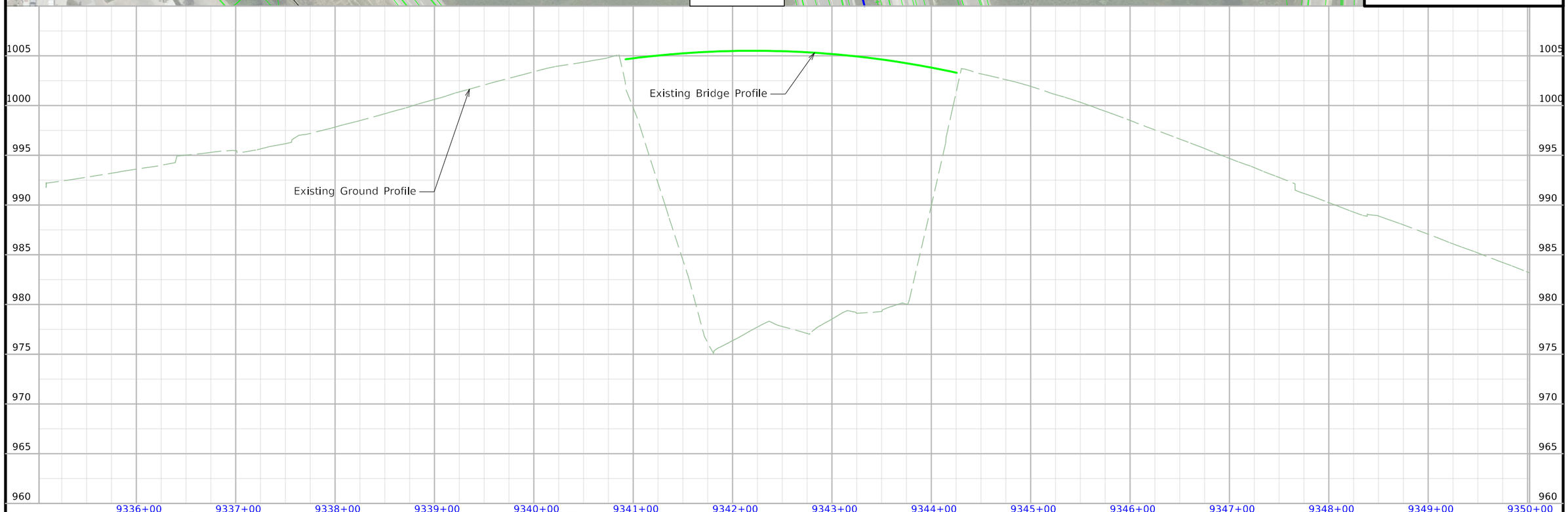

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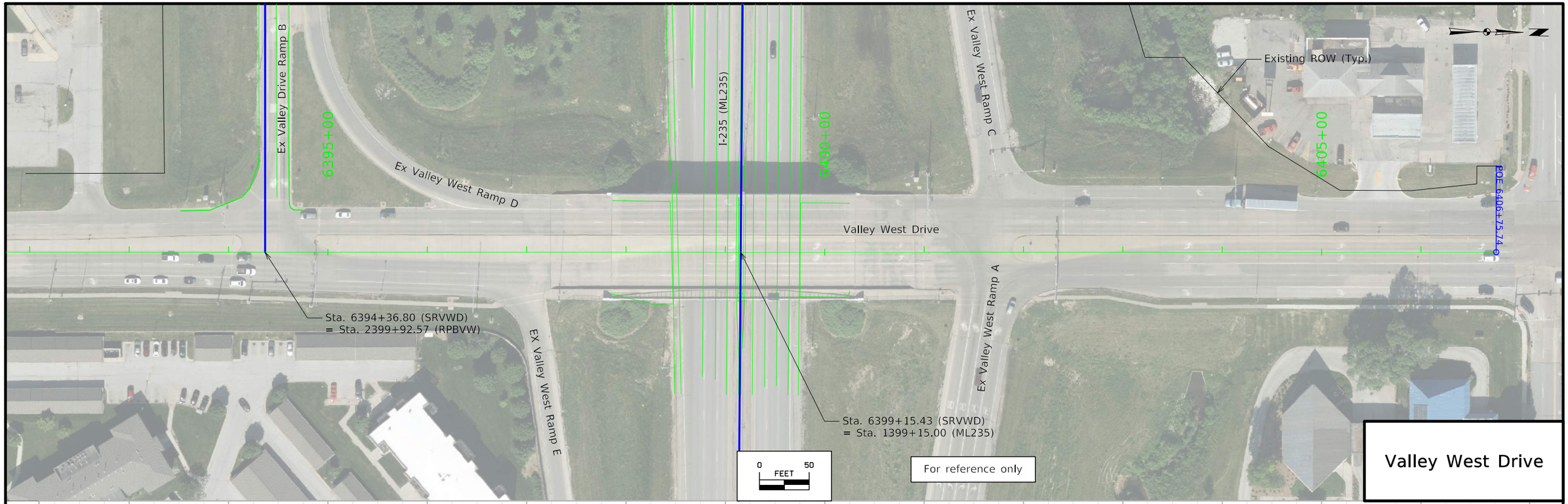

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER E.9

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Survey Information

General Information (Description provided by IDOT based on control survey performed in November 2022)

Measurement units for this survey are US survey feet. This survey is for proposed interchange improvements at Interstates 35/80/235. This project is a complete field survey for the digital terrain model.

Vertical Control

IowaDOT provided primary control for the project based on NAVD88 in conjunction with network-based real time kinematic observations. Adjusted, post-processed static observations and 6-minute nRTK observations were completed at established FENO control points and legacy published Municipal Control Monuments to verify elevations. The adjusted static observations were accepted as the true elevations and the RTK observations were used as validation/comparision. Secondary control was established using differential leveling on the mobile LIDAR targets throughout the survey limits.

This survey observed 7 As-Built plan bench marks to compare to local ground control:

BM 1 FENO Elev 915.020
Static PP/ADJ Elev **915.079**
nRTK Single Obs Check Elev 915.008

BM 9 FENO Elev 964.370
Static PP/ADJ Elev **964.385**
nRTK Single Obs Check Elev 964.360

BM 10 FENO Elev 973.170
Static PP/ADJ Elev **973.190**
nRTK Single Obs Check Elev 973.159

BM 11 FENO Elev 996.200
Static PP/ADJ Elev **996.218**
nRTK Single Obs Check Elev 996.200

BM 32G FENO Elev 937.630
Static PP/ADJ Elev **937.695**
nRTK Single Obs Check Elev 937.646

City of Clive 18 Elev 862.566
Static PP/ADJ Elev **862.499**
nRTK Single Obs Check Elev 862.519

City of Clive 20 Elev 916.324
Static PP/ADJ Elev **916.225**
nRTK Dual Obs Check Elev 916.317

Horizontal Control

The project coordinate system is the Iowa Regional Coordinate System, Zone 8. Horizontal datum is NAD83 (2011) for Epoch 2010.00. The projection parameters for Zone 8 of the IaRCS is defined below:

Transverse Mercator Projection
Origin Lat: 40°15'N
Origin Central Meridian: 093°43'W
Projection Axis Scale: 1.000 033
False Northing: 7,000,000
False Easting: 18,500,000

The IaRTN base stations are the primary control for this project. The IDOT Survey Office provided secondary control for five FENO monuments in the project vicinity. The coordinates of the five FENO monuments were verified using the IaRTN with aforementioned 6-minute nRTK observations and post-procesed static observations. The adjusted observations were within tolerance and the provided control was accepted. Relative IaRTN adjusted positions were compared to local projects' adjusted IaRCS grid control as follows:

	NORTHING (As measured vs. adjusted grid position)	EASTING (As-measured vs. adjusted grid position)
BM 1	-0.012'	0.010'
BM 9	0.023'	0.056'
BM 10	-0.008'	-0.097'
BM 11	0.003'	-0.003'
BM 18C	-0.043'	-0.022'
BM 20C	-0.034'	-0.062'
BM 32G	-0.013'	-0.005'

Alignment Information

Interstate 80/Interstate 235 East-West Alignment Information

Based upon 1988 paving job (Project # IR-80-3(57)10612-25) found centerline monumentation at the following locations: S.T. STA 1252+55.1, P.O.T. STA 1328+05.18 and 1330+96.40. Compared this monumented alignment with the physical split of the inside edge of pavement from STA 1252+55 to 1416+49. Stationing is based on previous alignment holding stationing at P.O.T. stations lying east and west of the I-35 interchange, STA 1328+05.18 and 1330+96.40.

Interstate 80/Interstate 35 North-South Alignment Information

Based upon 2011 paving job (Project # IM-035-2(272)6713-77) alignment coordinate table and alignment used by Snyder under job number 7708006015. 2011 Coordinate table shows a local project coordinate system which was converted to Iowa South State Plane Coordinates South Zone NAD83(2011). This conversion is based upon the document 0412gpspoints.doc provided by the DOT holding point G070 and applying the combination scale factor of 0.999913783. After this calculation the Iowa South SPC's were transformed to Iowa Regional Coordinate System Zone 08 (Des Moines-Ames) to correlate with the established DOT control. Using these coordinate values to build the alignment using curve and station information from the 2011 plan set. This alignment correlated with the existing median centerline as surveyed in November 2022. Beginning at approximate station 1598+78(2011), being a Point of Curvature, the northerly end of the alignment was altered to correlate with the alignment from job number 7708006015. The stationing from this alignment was applied forward and backward from the point of tangency at station 370+40.61. See alignment coordinate table.

Primary Control

Point	North	East	Elevation	Station	Offset	Feature	Description
BM1	7494509.392	18483375.010	915.079	390+93.99	-160.572	BM	FENO Found Existing #1 Located W Side SBL I-35 at Start of University Ave.
BM7SW	7486275.785	18483105.950	989.187	308+56.24	-215.627	BM	FENO Set 4in Deep 74ft WNW of NW Wheelguard Corner of Ashworth Bridge over I-80/35
BM8SE	7487323.408	18483752.739	952.761	319+20.18	400.896	BM	FENO Set 3in Deep at Crossroads Park in Skatepark Parking Area
BM9	7488897.203	18476761.257	964.385	1262+97.33	126.691	BM	FENO Found Existing #9 4ft North of Chainlink Fence in North ROW I-35
BM10	7489182.348	18481417.433	973.190	1309+54.45	-142.508	BM	FENO Found Existing #10 9ft South of Chainlink Fence in North ROW I-35
BM11	7489208.107	18487716.682	996.218	1372+53.75	-146.695	BM	FENO Found Existing #11 16ft West of CL 42nd Street and 21ft NW of CL BRidge Deck over I-235
BM12NW	7490140.362	18482978.148	973.380	347+06.88	-476.346	BM	FENO Set 4in Deep 42ft SW of West End PCC Barrier Rail at Back Curb from Westown Pkwy Bridge over I-80/35
BM13NE	7490165.261	18484355.808	994.077	347+82.22	899.478	BM	FENO Set 3in Deep 43ft SE of East End PCC Barrier Rail at Back Curb from Westown Pkwy Bridge over I-80/35
BM14NE	7491915.710	18484272.330	931.755	365+20.92	753.126	BM	FENO Set 4in Deep 5ft West of NW Corner Chainlink Fence Enclosure for Lift Station
BM18C	7495050.155	18484338.200	862.499	396+38.57	800.463	BM	CP Found City of Clive #18 NGS Style Access Cover to Rebar w/ Cap Located in West Side of Circle Island
BM20C	7493260.644	18482988.147	916.225	378+43.71	-542.473	BM	CP Found City of Clive #20 NGS Style Access Cover to Rebar w/ Cap Located 5ft West of BOC NW 118th St
BM32G	7491564.883	18483573.805	937.695	361+52.26	66.739	BM	CP Found Existing #G032 5ft East of East Shoulder NBL I-80/35 abt. 500ft South of University Ave. Bridge Overpass

ALIGNMENT COORDINATES

Name	Location	Point on Tangent			Begin Spiral			Begin Curve			Simple Curve PI or Master PI of SCS			End Curve			End Spiral		
		Station	Coordinates		Station	Coordinates		Station	Coordinates		Station	Coordinates		Station	Coordinates		Station	Coordinates	
			Y (Northing)	X (Easting)		Y (Northing)	X (Easting)		Y (Northing)	X (Easting)		Y (Northing)	X (Easting)		Y (Northing)	X (Easting)		Y (Northing)	X (Easting)
I-35																			
1	ML35	174+59.72	7472883.84	18483708.98															
2	ML35							302+53.80	7485672.27	18483328.92	308+24.49	7486242.72	18483311.97	313+94.77	7486813.03	18483332.87			
3	ML35	336+29.92	7489046.68	18483414.73															
I-80/35																			
1	ML8035	336+29.92	7489046.68	18483414.73															
2	ML8035							362+92.12	7491707.09	18483512.23	366+66.40	7492081.12	18483525.94	370+40.61	7492455.40	18483527.43			
3	ML8035	436+97.65	7499112.38	18483553.86															
I-80																			
1	ML080	1252+56.92	7489020.33	18475720.42															
1	ML080	1329+51.28	7489046.68	18483414.73															
I-235																			
1	ML235	1329+51.27	7489046.68	18483414.73															
1	ML235	1416+49.27	7489076.47	18492112.68															
I-235 WB																			
1	MLWB235							2300+97.21	7489081.47	18480560.53	2303+24.37	7489082.25	18480787.68	2305+51.37	7489097.75	18481014.32			
3	MLWB235							2314+94.43	7489162.12	18481955.17	2324+33.29	7489226.21	18482891.85	2333+66.98	7489119.88	18483824.67			
5	MLWB235							2336+95.47	7489082.68	18484151.04	2338+71.04	7489062.80	18484325.49	2340+46.22	7489063.40	18484501.06			
6	MLWB235	2347+63.81	7489065.86	18485218.66															
I-80/35 Ramp D																			
1	RPD8035							4315+37.35	7486952.09	18483432.67	4319+66.62	7487376.04	18483500.06	4323+74.37	7487703.05	18483778.16			
2	RPD8035	4329+41.07	7488134.76	18484145.28															
I-80/35 Ramp E																			
1								5328+00.00	7489198.48	18483563.59	5329+81.77	7489182.58	18483744.67	5331+63.29	7489183.17	18483926.44			
2	RPE8035							5331+63.29	7489183.17	18483926.44	5334+19.47	7489184.00	18484182.61	5335+62.09	7489440.08	18484175.53			
I-80/35 Ramp F																			
1								6000+00.00	7488979.98	18485548.12	6001+52.19	7488979.46	18485395.93	6003+03.77	7488955.34	18485245.66			
2	RPF8035							6003+03.77	7488955.34	18485245.66	6007+94.44	7488877.55	18484761.20	6012+43.90	7488503.76	18484443.33			
4	RPF8035							6017+18.09	7488142.53	18484136.14	0+00.00			6043+90.81	7489245.63	18482842.62			
5	RPF8035	6047+78.24	7489540.07	18483094.43															
I-80/35 Ramp G																			
1		8324+25.00	7489259.56	18482888.05															
2	RPG8035							8324+27.11	7489259.75	18482885.95	8324+72.86	7489263.80	18482840.38	8325+17.61	7489283.72	18482799.20			
3	RPG8035							8325+17.61	7489283.72	18482799.20	0+00.00			8337+06.90	7489641.68	18483216.70			
I-80 WB Ramp																			
1		3500+00.00	7489081.47	18480560.53															
2	RPWB80							3514+74.86	7489086.53	18482035.38	3520+84.40	7489088.62	18482644.91	3526+24.63	7489536.23	18483058.65			
3	RPWB80							3526+24.63	7489536.23	18483058.65	3530+17.26	7489824.55	18483325.16	3533+76.67	7490216.91	18483339.54			
5	RPWB80							3536+02.32	7490442.41	18483347.80	3537+45.28	7490585.27	18483353.04	3538+88.22	7490727.93	18483362.24			
6	RPWB80							3538+88.22	7490727.93	18483362.24	3545+25.21	7491361.15	18483431.53	3551+61.33	7491998.04	18483443.02			
Valley West Dr Ramp B																			
1	RPBVW	2382+74.48	7488962.98	18488737.18															
2	RPBVW							2382+84.87	7488962.32	18488747.55	2385+33.31	7488946.64	18488995.50	2387+76.10	7488842.51	18489221.07			
3	RPBVW	2391+81.04	7488672.79	18489588.73															
University Ave Ramp C																			
1								3335+75.00	7488994.22	18483346.76	3338+11.03	7489230.09	18483355.41	3340+42.66	7489455.75	18483286.24			
3	RPCUNV							3344+12.66	7489809.51	18483177.82	3345+66.49	7489956.59	18483132.74	3347+12.66	7490105.71	18483170.50			
5	RPCUNV							3350+74.85	7490456.82	18483259.42	3352+27.91	7490605.20	18483297.00	3353+80.38	7490757.56	18483311.56			
7	RPCUNV							3363+42.15	7491714.97	18483403.06	3364+84.84	7491857.01	18483416.64	3366+27.40	7491999.66	18483420.06			
8	RPCUNV							3366+27.40	7491999.66	18483420.06	3368+35.14	7492207.33	18483425.03	3370+42.86	7492415.06	18483426.23			
9	RPCUNV							3370+42.86	7492415.06	18483426.23	3371+65.68	7492537.88	18483426.94	3372+71.19	7492613.50	18483330.15			
10	RPCUNV							3372+71.19	7492613.50	18483330.15	3373+16.63	7492641.48	18483294.35	3373+61.19	7492655.88	18483251.25			
50th St Ramp D																			
1								4551+29.86	7488926.81	18485594.92	4552+80.24	7488943.80	18485744.34	4554+30.31	7488944.09	18485894.72			
3	RPD50							4554+59.79	7488944.15	18485924.20	4557+07.09	7488944.62	18486171.50	4559+54.32	7488954.51	18486418.59			
5	RPD50							4565+50.09	7488978.32	18487013.88	4567+32.99	7488985.63	18487196.64	4569+15.85	7488986.26	18487379.54			

ALIGNMENT COORDINATES

Name	Location	Point on Tangent			Begin Spiral			Begin Curve			Simple Curve PI or Master PI of SCS			End Curve			End Spiral		
		Station	Coordinates		Station	Coordinates		Station	Coordinates		Station	Coordinates		Station	Coordinates		Station	Coordinates	
			Y (Northing)	X (Easting)		Y (Northing)	X (Easting)		Y (Northing)	X (Easting)		Y (Northing)	X (Easting)		Y (Northing)	X (Easting)		Y (Northing)	X (Easting)
EXISTING ALIGNMENTS																			
Ashworth Road																			
1	SRASH	2+50.00	7486237.00	18482844.49															
1	SRASH	12+03.33	7486248.05	18483797.75															
Ashworth Road Pedestrian Trail																			
1	SRASHPED	45+20.00	7486287.49	18482843.49															
2	SRASHPED							47+57.10	7486290.24	18483080.58	47+66.29	7486290.35	18483089.77	47+75.44	7486291.86	18483098.83			
4	SRASHPED	48+02.79	7486296.35	18483125.80															
5	SRASHPED							48+37.30	7486307.15	18483158.58	48+50.56	7486311.30	18483171.16	48+63.60	7486311.40	18483184.42			
7	SRASHPED							51+34.83	7486313.39	18483455.64	51+52.75	7486313.52	18483473.56	51+70.32	7486307.65	18483490.48			
9	SRASHPED							51+87.17	7486302.12	18483506.40	52+07.68	7486295.40	18483525.78	52+27.78	7486295.64	18483546.28			
10	SRASHPED	54+15.50	7486297.81	18483733.99															
Westown Parkway																			
1	SRWTP	15+00.00	7490200.89	18482957.92															
1	SRWTP	31+19.71	7490217.55	18484577.55															
University Ave																			
1	SRUNV	1358+24.40	7492053.18	18482681.92															
1	SRUNV	1373+60.53	7492048.05	18484218.04															
60th Street																			
1	SR60	4126+02.09	7488323.94	18479777.68															
1	SR60	4141+07.72	7489829.56	18479773.39															
50th Street																			
1	SR50	1441+53.31	7488577.47	18485098.88															
1	SR50	1454+30.09	7489854.09	18485078.93															
42nd Street																			
1	SR42							2415+75.53	7488679.65	18487738.77	2416+29.21	7488733.33	18487739.25	2416+82.89	7488787.00	18487738.55			
3	SR42							2418+05.87	7488909.97	18487740.81	2418+36.96	7488941.05	18487741.09	2418+68.04	7488972.14	18487740.70			
5	SR42							2420+59.25	7489163.34	18487738.33	2420+84.22	7489188.30	18487738.02	2421+09.18	7489213.24	18487736.85			
7	SR42							2421+39.60	7489243.52	18487733.89	2422+44.35	7489348.22	18487730.79	2423+49.09	7489452.86	18487726.10			

SPIRAL OR CIRCULAR CURVE DATA

Name	Location	ΔSCS	Horizontal Alignment Data												Remarks
			Spiral Data								Curve Data				
			θS	Ls	Ts	Es	Xc	Yc	L.T.	S.T.	ΔC	T	L	R	E	
I-35																
C1	ML35										3°48'4"	570.697	1140.976	17198	9.466	
I-80/35																
C1	ML8035										1°52'16"	374.283	748.500	22916	3.056	
I-235 WB																
C1	MLWB235										3°43'1"	227.161	454.162	7000	3.685	
C2	MLWB235										10°24'58"	938.865	1872.555	10300	42.701	
C3	MLWB235										6°41'56"	175.573	350.747	3000	5.133	
I-80/35 Ramp D																
C1	RPD8035										31°23'41.55"	429.270	837.019	1530.000	59.079	
I-80/35 Ramp E																
C1	RPE8035										5°12'14"	181.771	363.292	4000	4.128	
C2	RPE8035										91°23'49"	256.172	398.796	250	107.945	
I-80/35 Ramp F																
C1	RPF8035										8°55'31.91"	152.193	303.771	1950.000	5.930	
C3	RPF8035										40°30'01.28"	490.668	940.130	1330.000	87.623	
I-80/35 Ramp G																
C1											20°44'01.24"	45.748	90.495	250	4.151	
C2											227°08'16.80"	0	1189.29	300	0	
I-80 WB Ramp																
C1	RPWB80										47°03'18.33"	609.538	1149.773	1400.000	126.937	
C4	RPWB80										40°38'58.06"	392.626	752.035	1060.000	70.378	
C2	RPWB80										1°35'25.34"	142.959	285.900	10300.000	0.992	
C3	RPWB80										5°12'36.99"	636.994	1273.110	14000.000	14.484	
Valley West Dr Ramp B																
C1	RPBVW										21°9'43"	248.445	491.228	1330	23.006	
University Ave Ramp C																
C1	RPCUNV										19°08'21"	236.028	467.659	1400.000	19.757	
C2	RPCUNV										31°15'08"	153.833	300.000	550.000	21.108	
C3	RPCUNV										8°45'10"	153.064	305.532	2000.000	5.849	
50th St Ramp D																
C1	RPD50										6°22'32.91"	150.382	300.453	2700.000	4.185	
C2	RPD50										2°10'46.44"	247.294	494.528	13000.000	2.352	
C3	RPD50										2°05'39.84"	182.901	365.761	10006.000	1.671	
Existing Alignments																
Ashworth Road Pedestrian Trail																
C1	SRASHPED										8°47'24"	9.187	18.338	120	0.353	
C2	SRASHPED										17°50'2"	13.254	26.294	84	1.033	
C3	SRASHPED										19°33'25"	17.916	35.484	104	1.533	
C4	SRASHPED										19°48'0"	20.508	40.606	118	1.776	
42nd Street																
C1	SR42										1°0'0"	53.679	107.355	4921	0.293	
C2	SR42										1°13'8"	31.087	62.171	2922	0.165	
C3	SR42										1°59'2"	24.966	49.928	1442	0.216	
C4	SR42										0°52'37"	104.748	209.492	13692	0.401	

SUPERELEVATION DATA

See PV-300 Series

Road Identification	Circular Curve or Spiral Curve Name	Radius	Superelevation Data			Standard Road Plan	Section A-A	Section B-B	Section C-C	Section D-D	Section E-E	Section F-F	Case A	Case B	Case C	Case S	Case T	Case U	Remarks
			e	L	x														
I-235 WB	MLWB235	7000	2.6	145	140	PV-305	2298+55.71	2298+83.71	2299+95.71	2301+07.71	2301+35.71	2301+40.71			2300+97.21				
							2307+92.87	2307+64.87	2306+52.87	2305+40.87	2305+12.87	2305+07.87			2305+51.37				
		3000	4.8	268	140	PV-305	2333+67.87	2333+95.87	2335+07.87	2336+19.87	2336+47.87	2337+75.87	2336+95.47			2337+31.20	2337+31.20		
							2343+73.82	2343+45.82	2342+33.82	2341+21.82	2340+93.82	2339+65.82	2340+46.22			2340+10.49	2340+10.49		
I-80/35 Ramp D	RPD8035	1530	6.0	186	62	PV-303	4314+69.15		4315+37.35	4315+93.15						4315+31.15	4315+31.15		
							4324+42.57		4323+74.37	4323+18.57						4323+80.57	4323+80.57		
I-80/35 Ramp E	RPE8035	4000	4.0	124	62	PV-303	5327+75.20		5328+00.00	5328+37.20						5328+37.20	5328+37.20		
							5331+88.09		5331+63.29	5331+26.09						5331+26.09	5331+26.09		
		250	6.0	128	43	PV-303	5331+16.69		5331+63.29	5332+01.69						5331+59.02	5331+59.02		
							5336+08.69		5335+62.09	5335+23.69						5335+66.36	5335+66.36		
I-80/35 Ramp F	RPF8035	1950	5.8	232	80	PV-303	5999+17.60		6000+00.00	6000+69.60						5999+97.60	5999+97.60		
							6003+86.17		6003+03.77	6002+34.17						6003+06.17	6003+06.17		
		1330	6.0	240	80	PV-303	6002+15.77		6003+03.77	6003+75.77						6002+95.77	6002+95.77		
							6013+31.90		6012+43.90	6011+71.90						6012+51.90	6012+51.90		
		850	6.0	216	72	PV-303	6014+94.89	6015+66.89	6017+18.09	6017+82.89						6017+10.89	6017+10.89		
							6046+14.01	6045+42.01	6043+90.81	6043+26.01						6043+98.01	6043+98.01		
I-80/35 Ramp G	RPG8035	250	6.0	137	46	PV-303	8323+77.21		8324+27.11	8324+68.21						8324+22.54	8324+22.54		
							8325+67.51		8325+17.61	8324+76.51						8325+22.18	8325+22.18		
		300	6.0	137	46	PV-303	8324+67.71		8325+17.61	8325+58.71						8325+13.04	8325+13.04		
							8337+56.80		8337+06.90	8336+65.80						8337+11.47	8337+11.47		
I-80 WB Ramp	RPWB80	1400	6.0	240	80	PV-302	3512+26.86	3513+06.86	3513+86.86	3515+46.86			3514+74.86			3514+66.86	3514+66.86		
							3528+72.63	3527+92.63	3527+12.63	3525+52.63			3526+24.63			3526+32.63	3526+32.63		
		1060	6.0	306	102	PV-303	3525+12.43		3526+24.63	3527+16.43						3526+14.43	3526+14.43		
							3534+88.87		3533+76.67	3532+84.87						3533+86.87	3533+86.87		
Valley W Ramp B	RPBVW	1330	6.0	186	62	PV-303	2382+16.66		2382+84.86	2383+40.66						2382+78.66	2382+78.66		
							2388+44.29		2387+76.09	2387+20.29						2387+82.29	2387+82.29		
University Ramp	RPCUNV	1400	6.0	186	62	PV-303	3335+06.80		3335+75.00	3336+30.80						3335+68.80	3335+68.80		
							3341+10.86		3340+42.66	3339+86.86						3340+48.86	3340+48.86		
		550	4.0	96	48	PV-303	3342+97.46	3343+45.46	3344+12.66	3344+41.46						3344+41.46	3344+41.46		
							3348+27.86	3347+79.86	3347+12.66	3346+83.86						3346+83.86	3346+83.86		
		250	6.0	137	46	PV-303	3369+92.96		3370+42.86	3370+83.96						3370+38.29	3370+38.29		
							3373+21.09		3372+71.19	3372+30.09						3372+75.76	3372+75.76		
		264	6.0	137	46	PV-303	3372+21.29		3372+71.19	3373+12.29						3372+66.62	3372+66.62		
							3374+11.09		3373+61.19	3373+20.09						3373+65.76	3373+65.76		
50th Ramp D	RPD50	2700	2.8	67	48	PV-303	4551+30.96		4551+29.86	4551+49.96									
							4554+29.21		4554+30.31	4554+10.21									

SWMM Staging and MOT Narrative (9/15/23)

Stage 1:

Traffic:

- Maintain traffic on all existing roadways unless noted otherwise below.
- Close the University Avenue SB/WB/EB entrance loop to all traffic (long duration). Utilize 60th Street interchange for WB detour and Valley West for EB and SB detours.
- Close 50th Street to I-235 EB entrance loop (short duration) to traffic for Stage 1B Construction. Utilize Valley West Drive interchange as detour route.
- Close EB I-235 to Valley West Drive exit ramp (short duration) to traffic for Stage 1B Construction. Utilize 22nd Street interchange as detour route.

Construction:

- Close inside lane of I-80 EB and WB between SWMM and 60th Street and place TBR along inside new travel lanes EB and WB. Construct temporary crossover pavement in median just west of existing I-235 bridges. Construct temporary storm sewer system for length of temporary crossover pavement placed.
- Grade and pave portion of the proposed University Avenue Loop Ramp C from near the University Avenue overpass bridge to a point just north of the SWMM. Construct a temporary pavement connection between the new University Avenue loop pavement and the westbound I-80 Connector ramp at the SWMM.
- Place TBR along outside I-80/I-35 SB/WB travel lane and shift traffic towards the median shoulder from north of University Avenue to just south of the existing I-80 WB Connector ramp diverge. Partially construct WB/SB interstate widening between University Avenue and the SWMM. Connect widening to proposed University Avenue Loop Ramp C pavement via temporary pavement.
- Grade and pave proposed 50th Street EB entrance ramp to I-235 EB
  - Stage 1A: Grade portions of proposed service interchange ramp in the clear.
  - Stage 1B: Complete grading tie into existing service interchange ramp and fully pave proposed interchange ramp.
- Grade and pave proposed I-235 EB exit ramp to Valley West Drive
  - Stage 1A: Grade portions of proposed service interchange ramp in the clear.
  - Stage 1B: Complete grading tie into existing service interchange ramp and fully pave proposed interchange ramp.
- Begin proposed pier construction for the proposed SB to EB Ramp F flyover bridge and the proposed I-80 WB Connector Ramp bridge. Protect existing routes with TBR where necessary.
- Place TBR along inside of existing NB to EB system interchange ramp; reduce ramp width and pave temporary and proposed pavement along the inside of the ramp.
- Place TBR along outside edge of existing NB to EB ramp at entrance with EB I-235 and construct proposed pavement along I-235 WBL. Close outside lane of EB I-235 from just east of existing I-235 bridge to NB to EB ramp connection to allow for unimpeded entrance to I-235 for NB to EB ramp.

Contractor Access:

- Access to west side of interstate between University Avenue and the SWMM via University Avenue loop ramp and existing I-80 WB Connector Ramp. Place temporary pavement and/or shoulder improvements as needed to carry construction traffic along the WB connector ramp as needed.
- Ingress/egress for bridge pier construction within SWMM – access from WB to SB loop ramp, I-235 EBL, and EB to SB system interchange ramp, and NB to EB system interchange ramp.
- Access to NB to EB ramp construction at NB to EB exit ramp from NB I-35 ML.
- 50th Street EB entrance Ramp – access from 50th Street and existing service interchange ramp.
- Valley West Drive EB exit ramp – access from Valley West Drive and existing service interchange ramp.

Stage 2:

Traffic:

- Maintain traffic on all existing roadways unless noted otherwise below.
- University Avenue SB/WB/EB entrance loop remains closed to all traffic (long duration). Utilize 60th Street interchange for WB detour and Valley West for EB and SB detours.
- Fully open proposed 50th Street EB entrance ramp to traffic.
- Fully open proposed Valley West Drive EB exit ramp to traffic.
- Shift I-80 WB traffic (2 lanes) from I-80/I-35 WB/SB lanes to the existing I-80 WB Connector ramp via newly constructed University Avenue Loop C pavement and temporary pavement connections constructed in Stage 1.
- Shift I-235 WB traffic (2 lanes) to the median pavement constructed in Stage 1 from just west of the existing I-235 bridge over I-35 to just east of the proposed I-80 WB Connector Ramp tie to existing interstate mainline pavement; merge I-80 WB and I-235 WB traffic as soon as possible going west.
- Close the existing NB to EB system interchange ramp; utilize University to 50th Street or Valley west as a possible detour route OR Hickman and the existing SB to EB loop ramp.
- Place TBR and shift lanes of I-235 EB from just west of 50th Bridge through the length of proposed pavement adjacent to the outside lane.

Construction:

- Grade proposed I-80 WB Connector ramp from end of Stage 1 construction to just west of the existing WB to SB loop ramp, including proposed SB to EB flyover ramp bridge abutment.
- Grade and pave proposed NB to EB ramp from existing NB to EB ramp exit to the end of proposed pavement constructed in stage 1.
- Continue and complete proposed SB to EB flyover Ramp F piers and substructures. Begin superstructure construction – gap superstructure construction at the existing WB to SB loop ramp.
- Continue and complete proposed I-80 WB Connector Ramp piers and substructures. Begin superstructure construction – gap superstructure construction at the existing WB to SB loop ramp.
- Begin proposed I-235 WB bridge over I-35 substructure construction.

- Grade and pave proposed NB to EB ramp

Contractor Access:

- Ingress/egress for bridge pier construction within SWMM – access from WB to SB loop ramp, I-235 EBL, and EB to SB system interchange ramp, and NB to EB system interchange ramp.
- Access to I-80 WB Connector ramp exit outside of I-80 WB/I-35 SB from WB to SB loop ramp.
- Access to I-80 WB Connector ramp entrance outside existing I-80 Connector ramp or 60th street entrance ramp.
- Access to NB to EB ramp construction at NB to EB exit ramp from NB I-35 ML.
- Access to the I-35 median at I-235 proposed bridge construction – ingress and egress from I-35 NB and SB lanes.

Stage 3:

Traffic:

- Maintain traffic on all roadways as per Stage 2, unless noted otherwise.
- Close the existing WB to SB loop ramp (long duration); utilize Jordan Creek Parkway interchange as a detour route.
- Fully open proposed NB to EB system interchange ramp to traffic.
- Shift I-80 entrance traffic onto previously constructed proposed/temporary pavement.
- Use temporary overnight closures for any routes impeded with the superstructure construction of I-80 WB, Ramp F flyover, and WB I-235 bridges.

Construction:

- Complete SB to EB Flyover Ramp bridge superstructure.
- Grade and pave proposed I-80 WB Connector Ramp and complete I-80 WB Connector Ramp bridge superstructure.
- Grade and pave proposed WB I-235 entrance pavement with I-80 WB connector pavement.
- Continue construction of the proposed I-235 WB bridge over I-35.
- Begin proposed I-235 WB grading east of the existing NB to WB loop ramp.

Contractor Access:

- Ingress/egress for I-80 and flyover bridge construction within SWMM – access from WB to SB loop ramp, I-235 EBL, and EB to SB system interchange ramp, and NB to EB system interchange ramp.
- Ingress/egress for WB I-235 bridge construction within SWMM – access from WB to SB loop ramp, NB to WB loop ramp, and WB I-235.
- Access to I-80 WB Connector ramp from WB to SB loop ramp and WB I-235.
- Access to NB to EB ramp construction at NB to EB ramp.

Stage 4:

Traffic:

- Maintain traffic on all existing roadways unless noted otherwise below.
- University Avenue SB/WB/EB entrance loop remains closed to all traffic (long duration). Utilize 60th Street interchange for WB detour and Valley West for EB and SB detours.
- The existing WB to SB loop ramp remains closed (long duration); utilize Jordan Creek Parkway interchange as a detour route.
- Open the newly constructed SB to EB Flyover Ramp F to traffic. Close the existing SB to EB loop ramp.
- Open the newly constructed I-80 WB Connector Ramp to traffic. Close the existing I-80 WB Connector Ramp.
- Maintain I-235 WB traffic west of I-35 on median pavement with a revised transition to existing travel lanes closer to the 60th Street overpass and merge lanes with newly opened I-80 WB Connector Ramp.
- Close the existing NB to WB loop ramp; utilize University to 60th Street as a detour route.
- Place TBR and shift I-35 SB traffic towards the median through the core of the SWMM.

Construction:

- Grade and pave proposed I-235 WB through the existing I-80 WB Connector Ramp to the tie in point with existing mainline pavement.
- Grade and pave proposed I-235 WB through the existing NB to WB loop ramp. Multi-stage construction is necessary under existing I-80 EB connector ramp keeping 2 lanes of traffic open during construction.
- Complete bridge construction over I-235. Open to traffic including the newly constructed WB to SB loop ramp once mainline paving and bridge work is completed.
- Grade and pave NB to WB loop ramp; reopen loop ramp once loop and ML I-235 WB construction are complete.
- Grade and pave remaining sections of proposed University Avenue Loop C and ramp entrance to I-35 SB. Construct barrier between University Ramp C ramp and ML I-80/I-35. Open loop ramp once loop entrance and ML I-235 WB construction are complete.
- Grade and pave proposed WB to SB loop ramp from the proposed I-235 WB bridge over I-235 to just west of the merge to I-235.

Contractor Access:

- Ingress/egress for WB I-235 bridge construction within SWMM – access from WB to SB loop ramp, NB to WB loop ramp, and WB I-235.
- Access for WB I-235 from WB to SB loop, NB to WB loop, and University Ramp C.
- Access for University Ramp C and entrance from existing University Ramp C and SB I-35.

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, Unpinned		Permanent Barrier Rail
	Temporary Barrier Rail, Pinned		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)

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER J.3	

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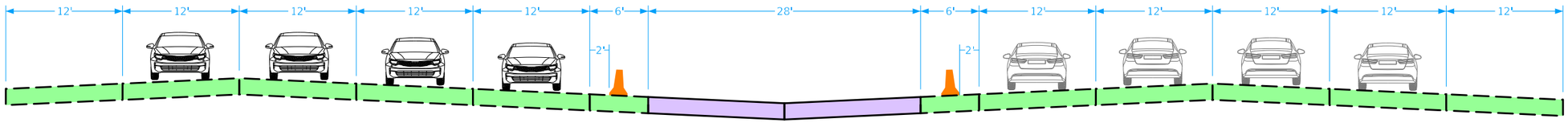
Section A-A 1301+00



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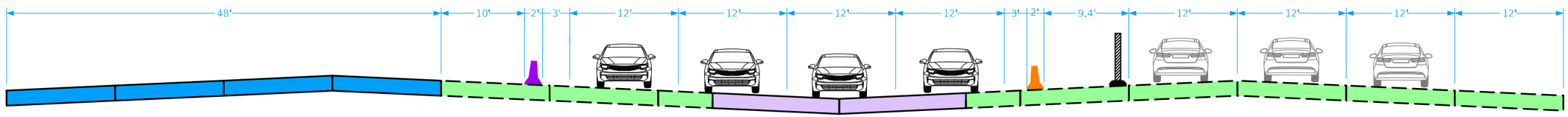

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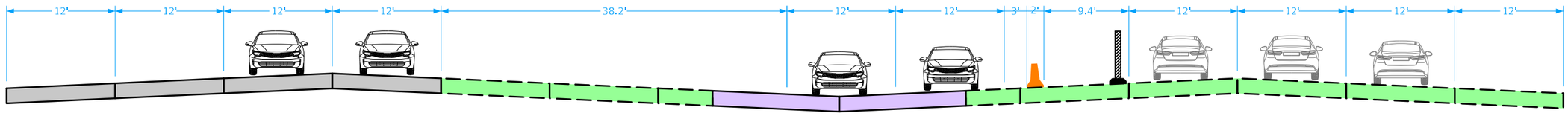

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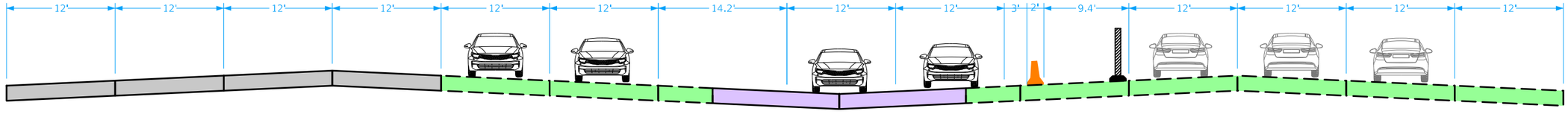

Stage 4

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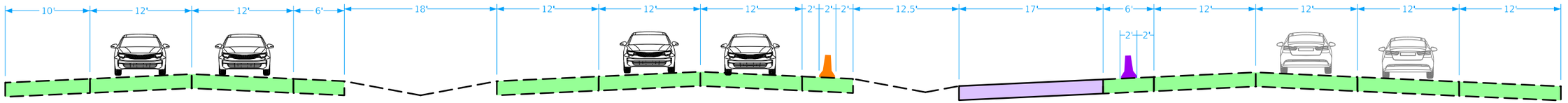
Section B-B 1311+00



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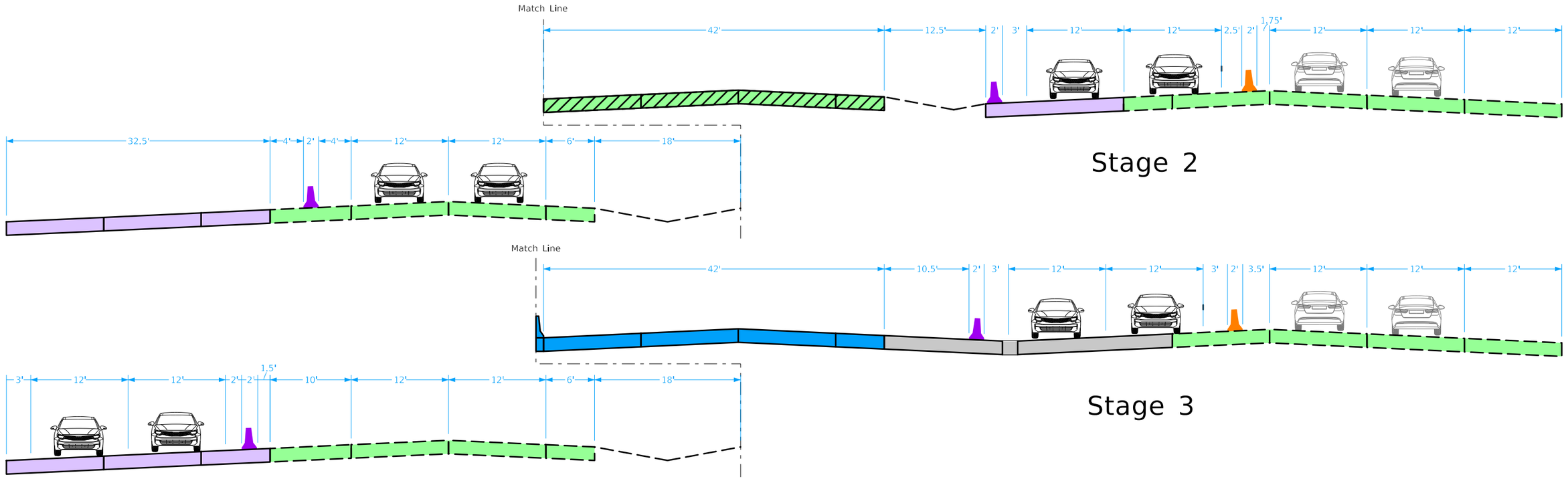

Stage 2

Stage 3

Stage 4

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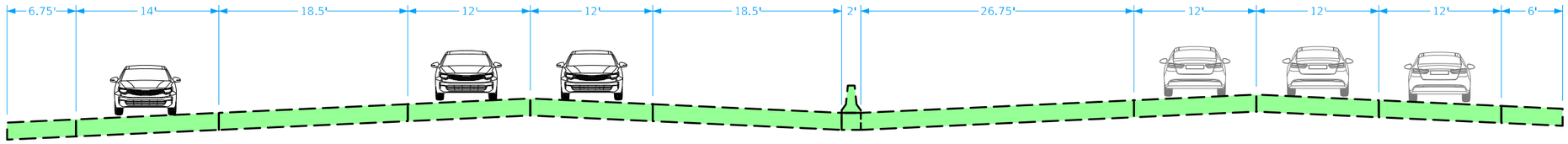
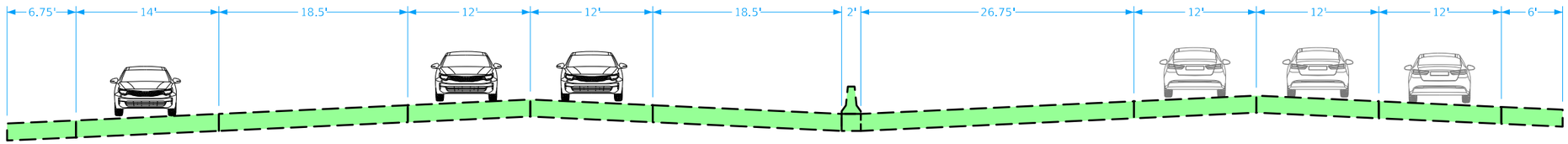
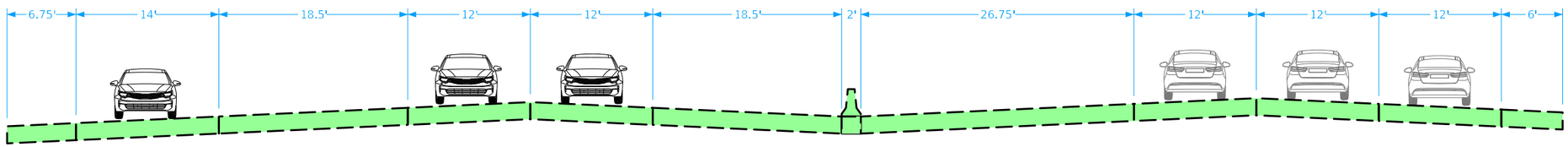


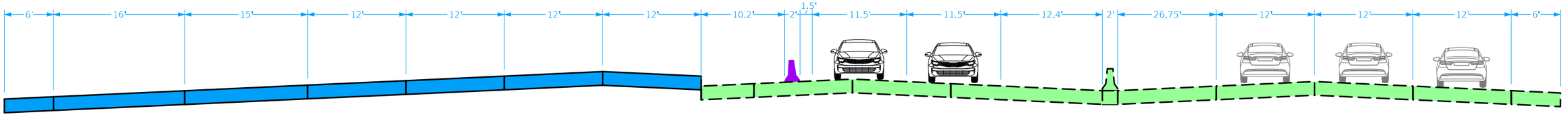
Stage 1



Stage 2



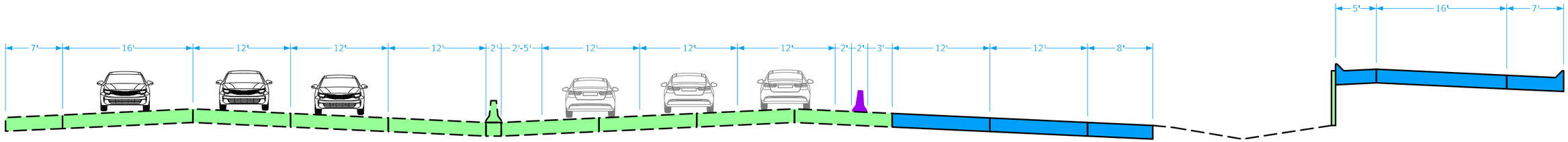
Stage 3



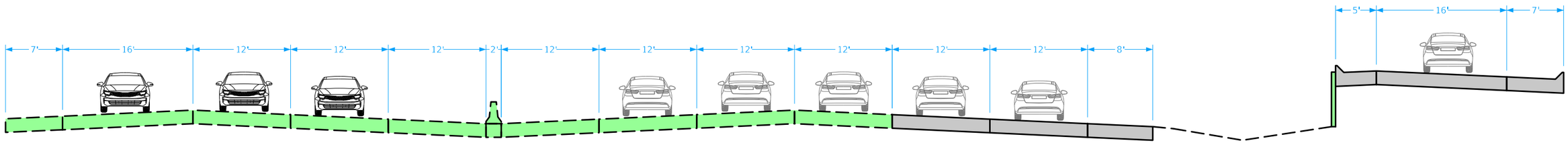
Stage 4

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER J.6

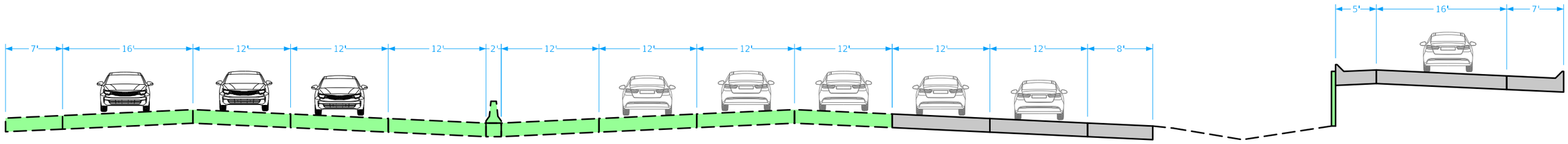
Section D-D 1354+00



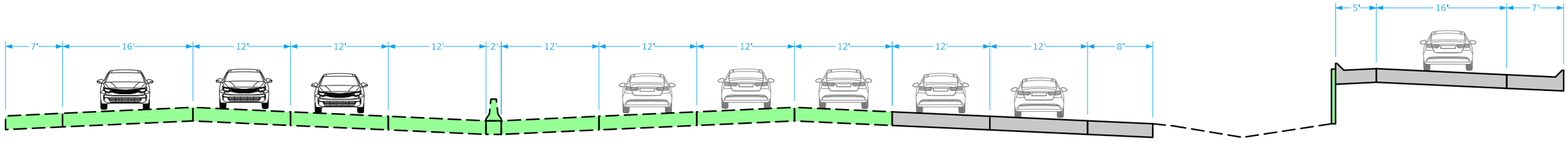
Stage 1



Stage 2



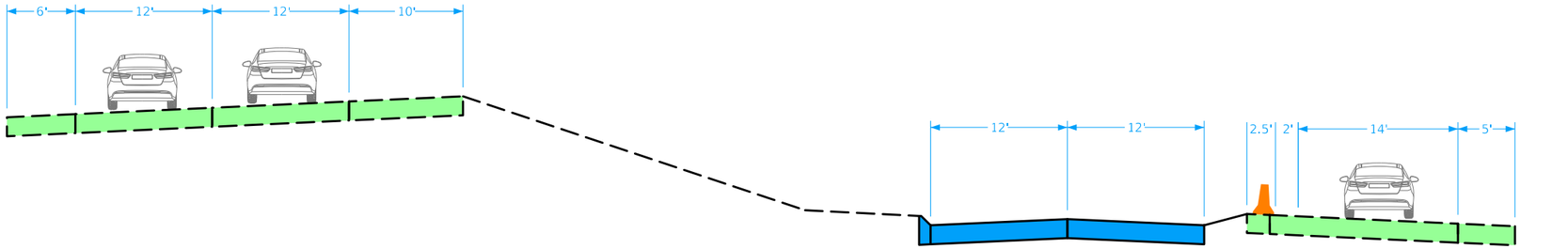
Stage 3



Stage 4

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER J.7

Section E-E 6015+00



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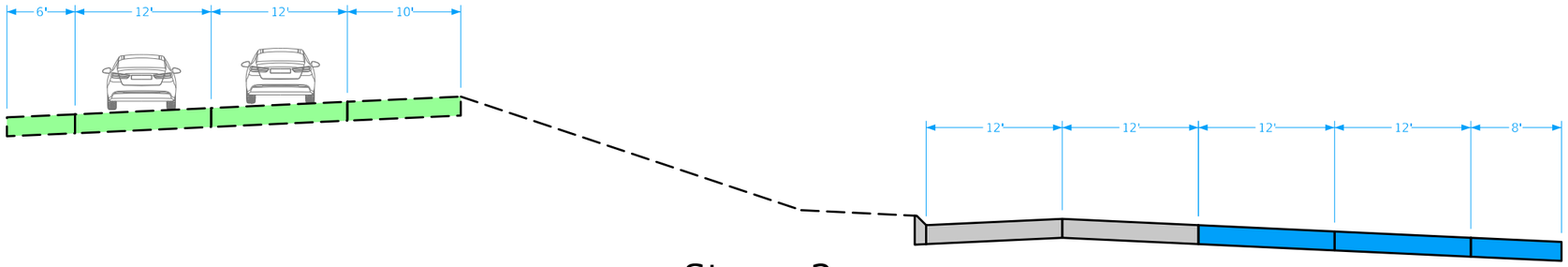

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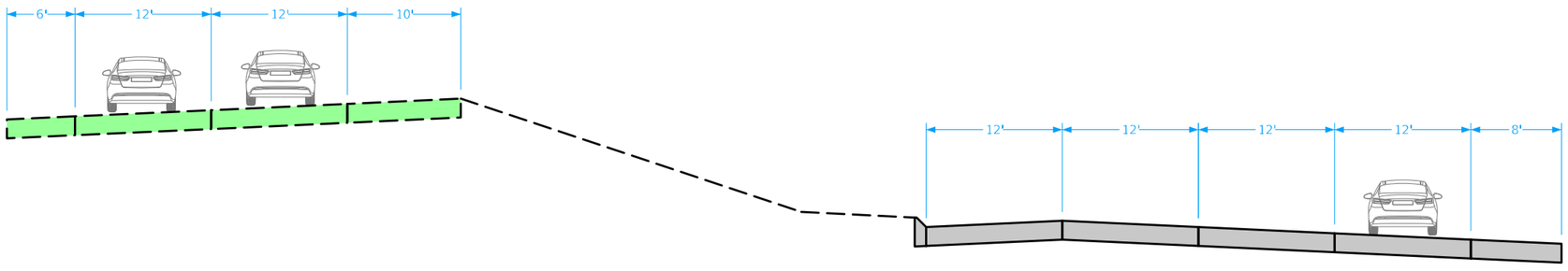
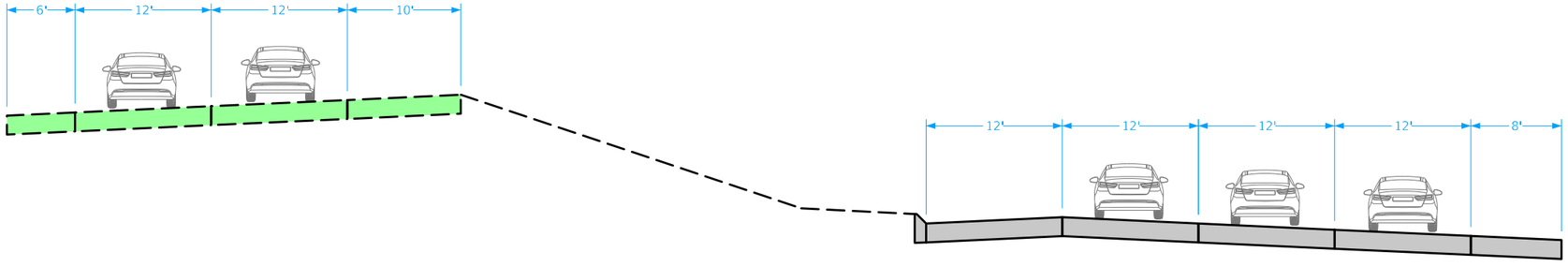


Stage 3



Stage 4

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER J.8

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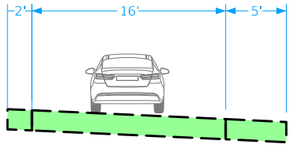
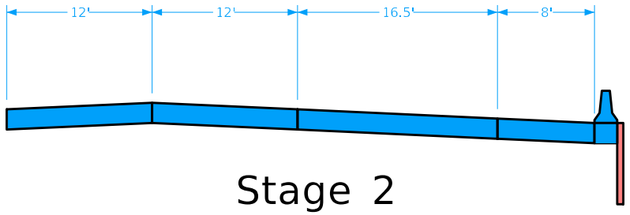
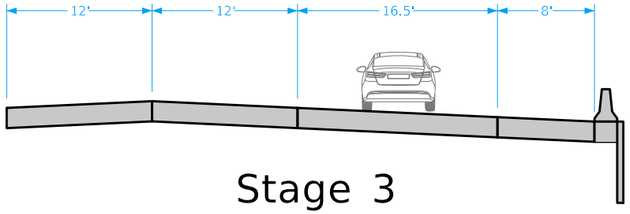
Section F-F 6009+50



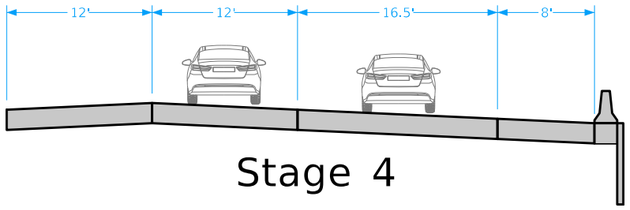
Stage 1



Stage 2



Stage 3



Stage 4

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER J.9

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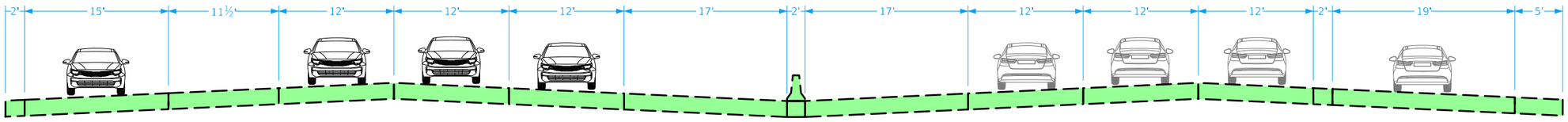
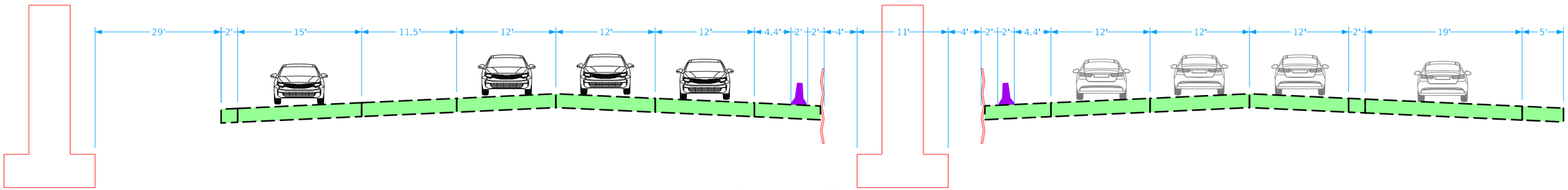
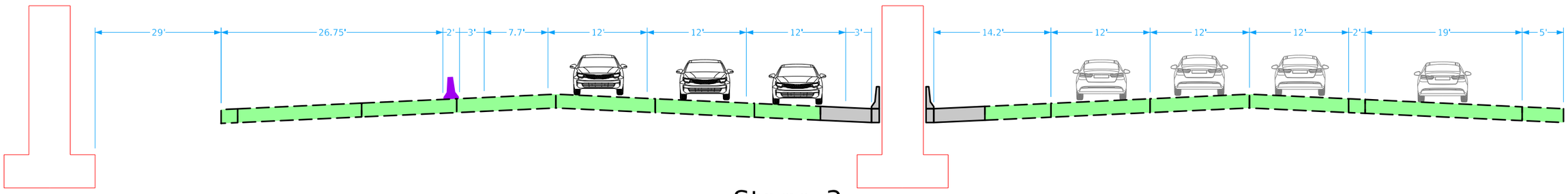
Section G-G 338+00



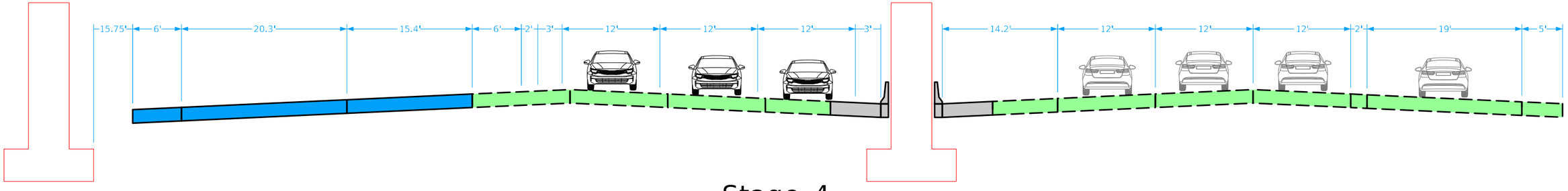
Stage 1



Stage 2



Stage 3



Stage 4

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER J.10

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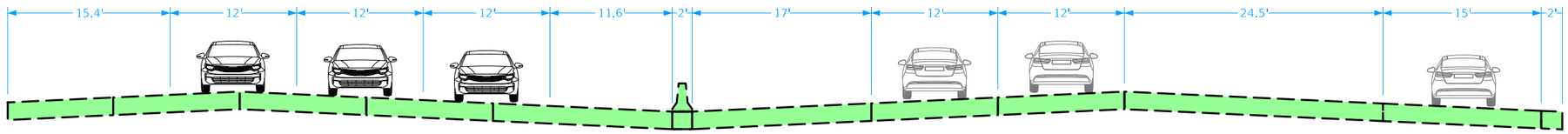
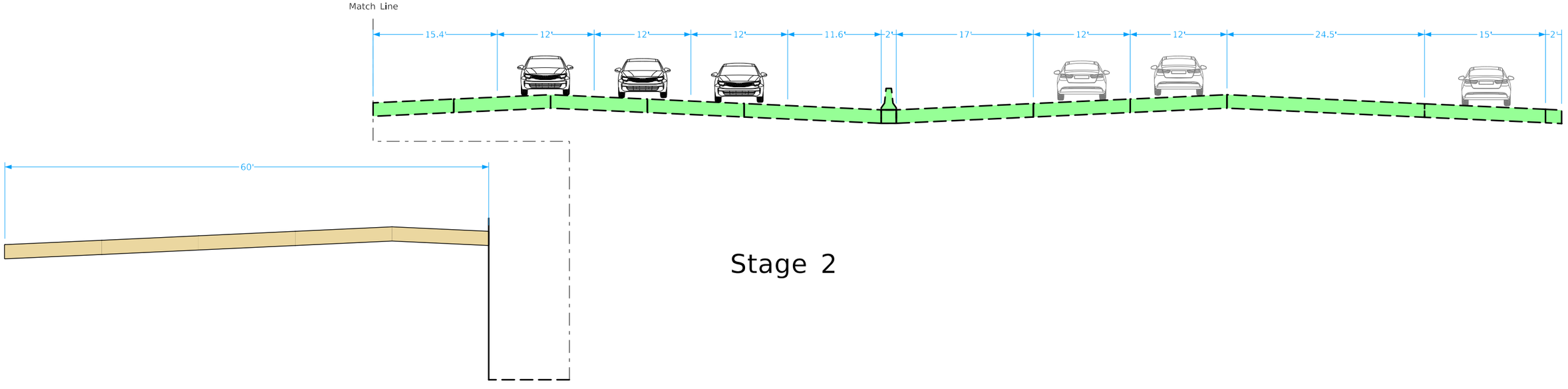
Section H-H 347+00



Stage 1

Match Line



Stage 2

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER J.11

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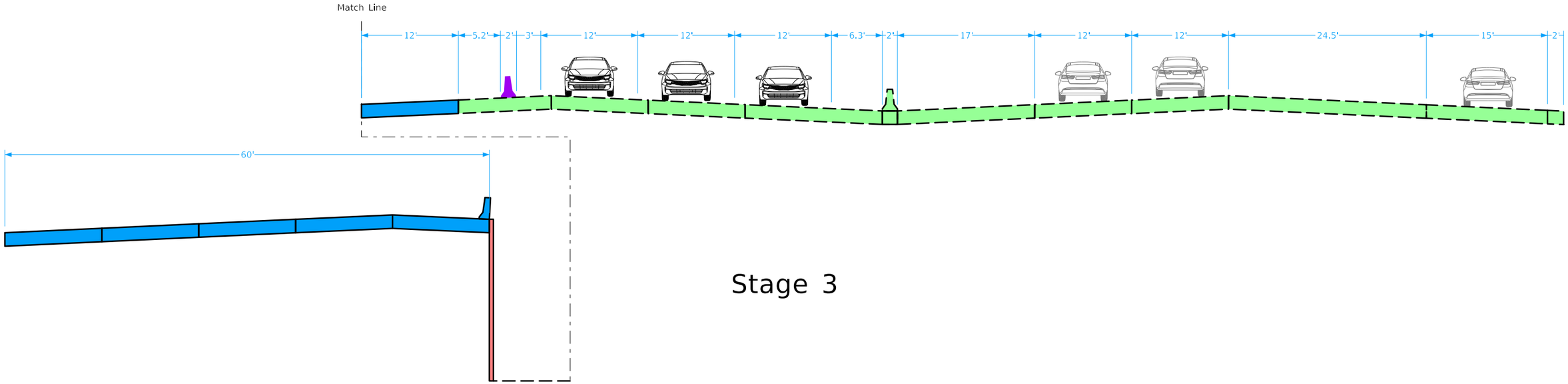
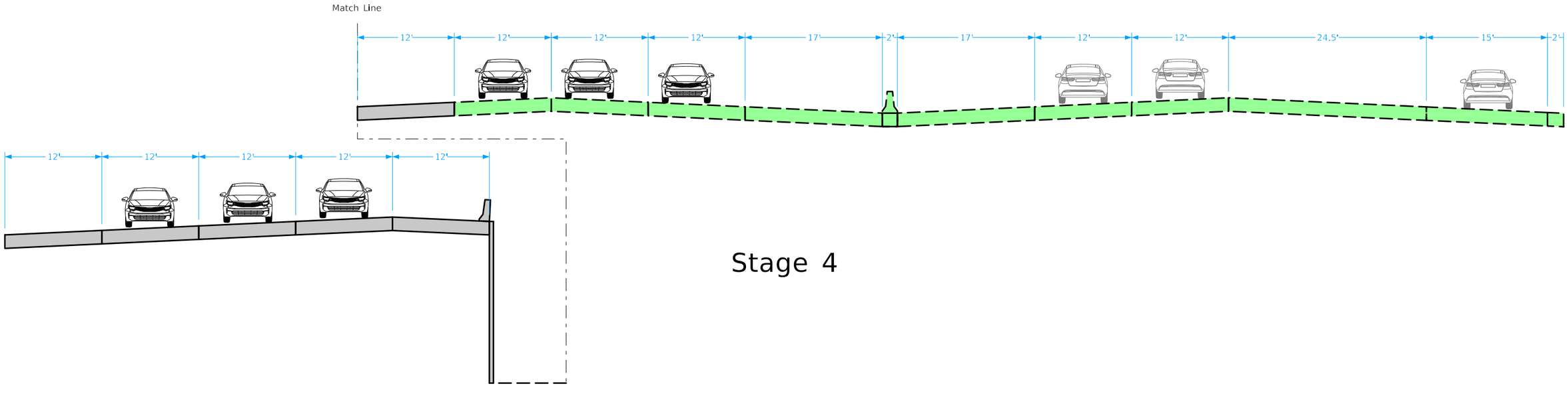
Section H-H 347+00



Stage 3



Stage 4

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER J.12

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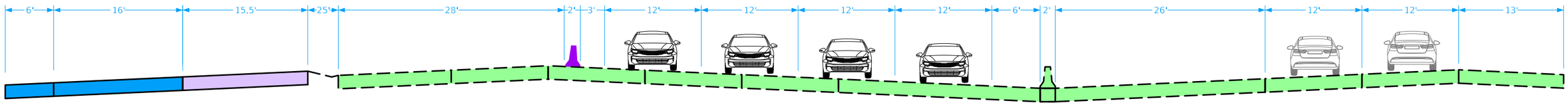
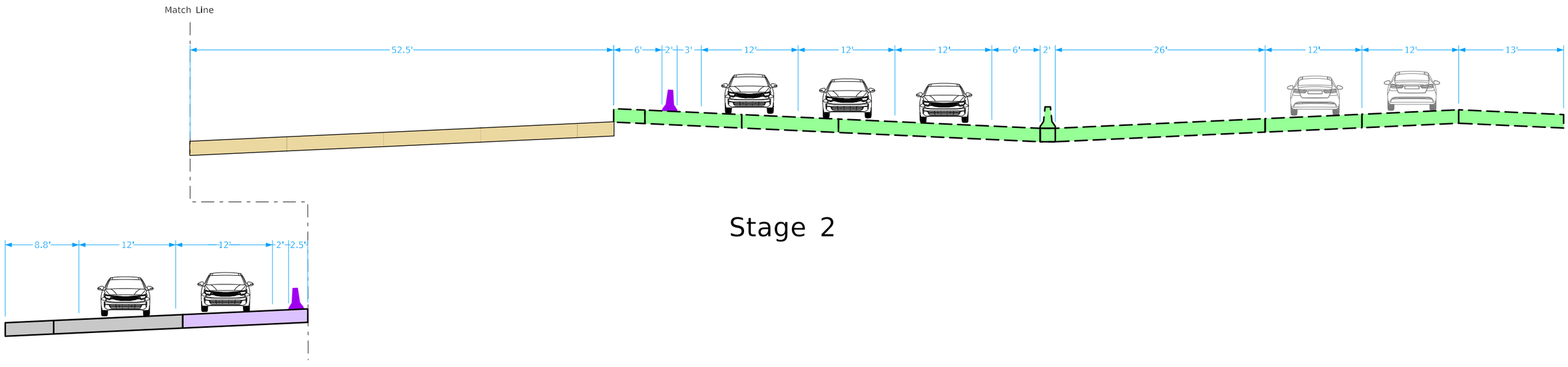
Section I-I 357+00



Stage 1



Stage 2

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER J.13

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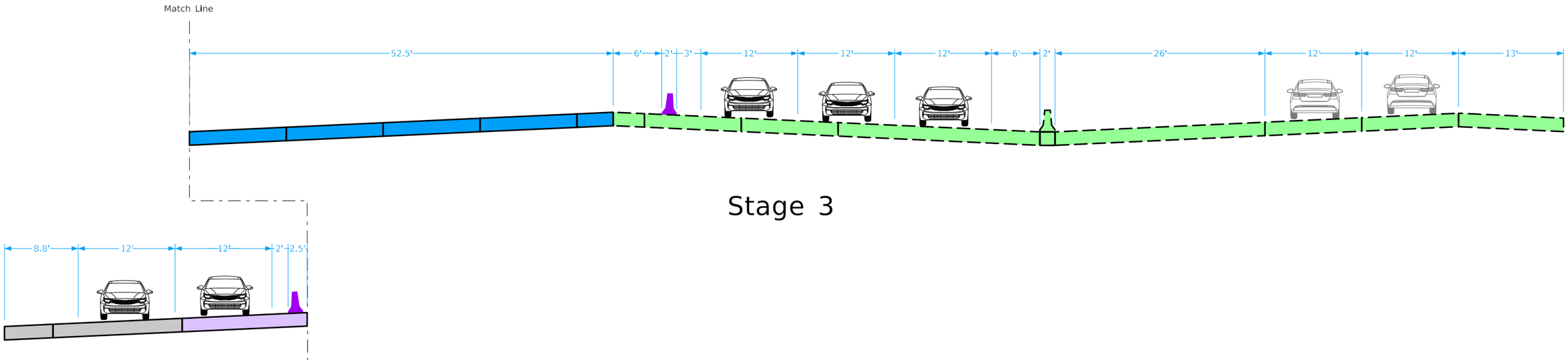
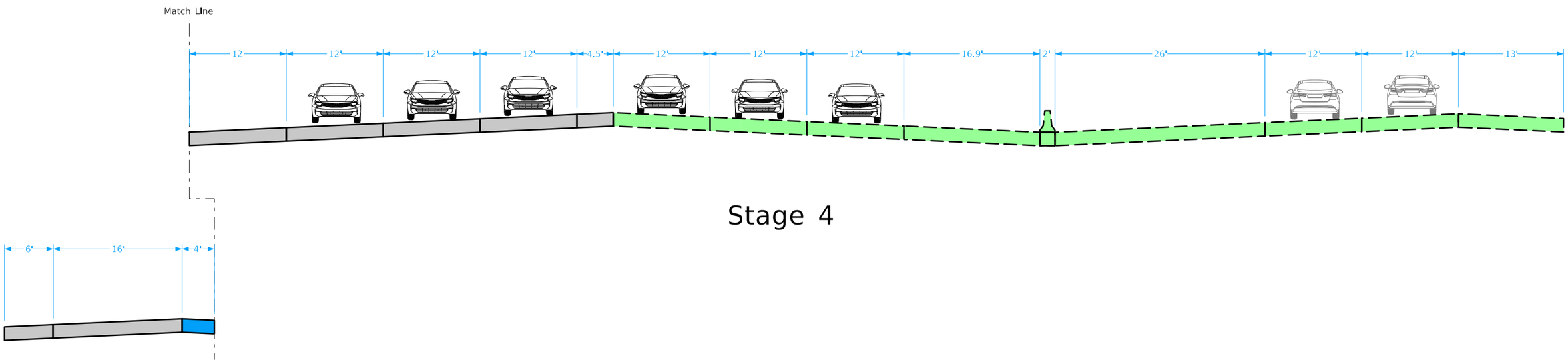
Section I-I 357+00



Stage 3



Stage 4

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER J.14	

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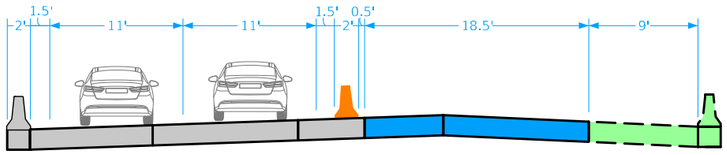
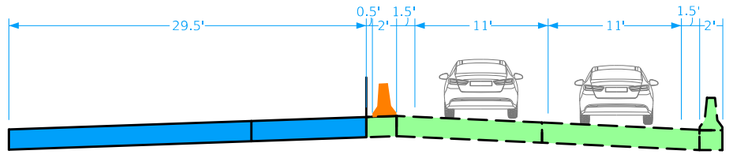
I-235 Station 1340+75

Stage 4A



I-235 Westbound

Stage 4B



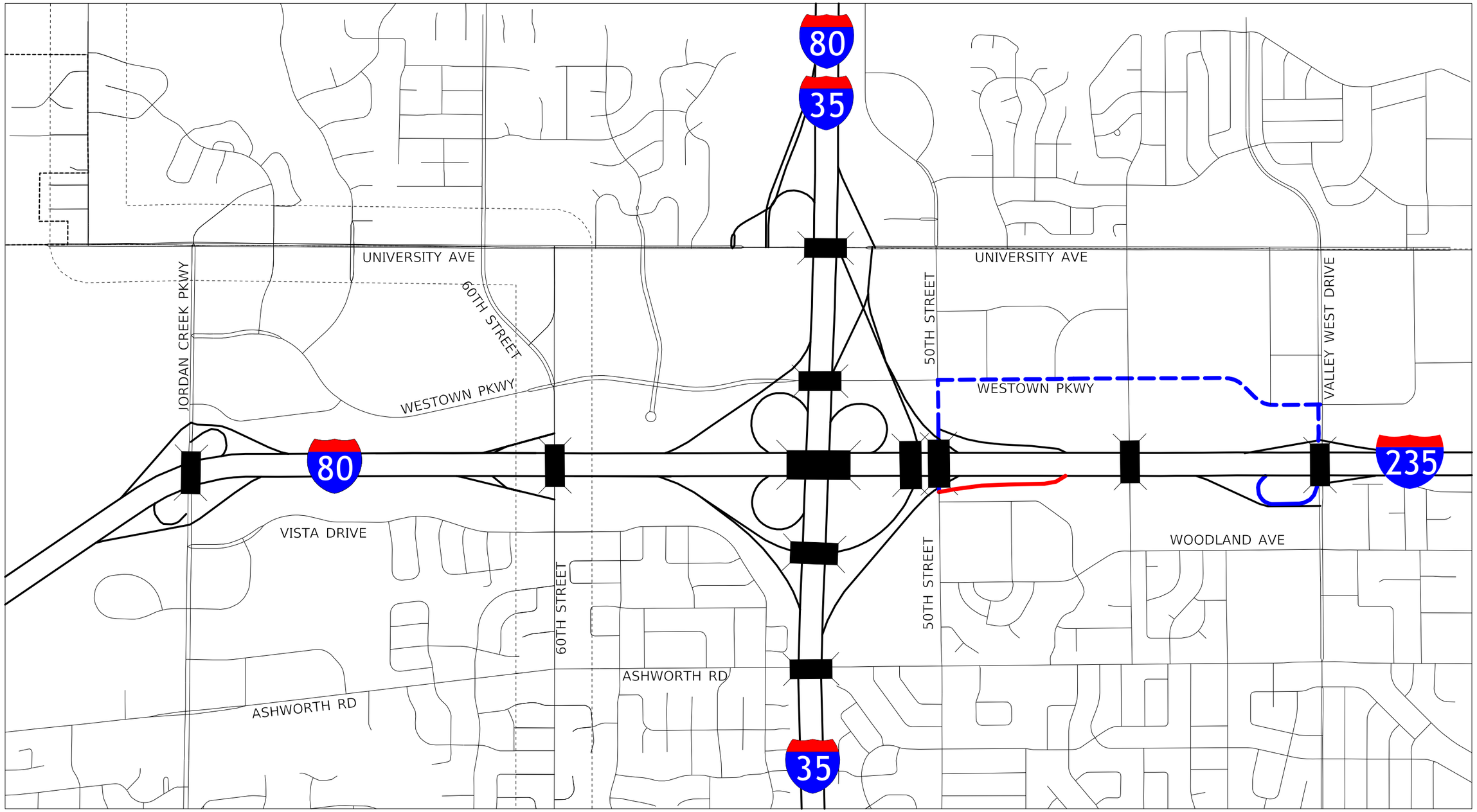
I-235 Westbound

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER J.15	

PLAN VIEW COLOR LEGEND OF OFF-SITE DETOURS
50TH STREET TO I-235 EASTBOUND RAMP CLOSURE

LINEWORK	Design Color No.	
Red	(3)	Closed Ramp
Blue	(1)	I-235 Eastbound Detour Ramp
Blue	(1)	I-235 Eastbound Detour Path

N



FILE NO.	ENGLISH	DESIGN TEAM Smyth/HR Green	Dallas COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER J.16

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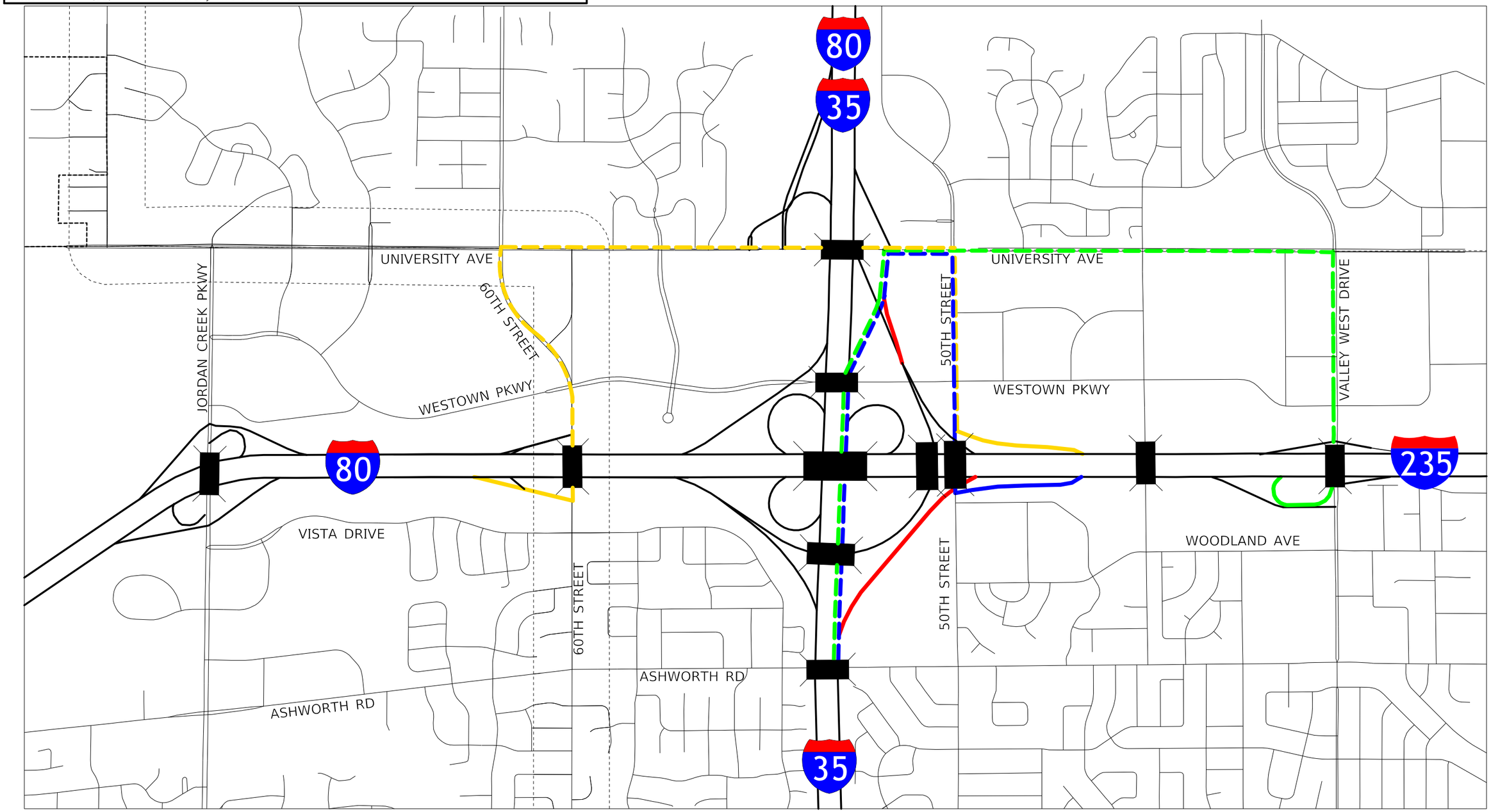
PLAN VIEW COLOR LEGEND OF OFF-SITE DETOURS
I-35 NORTHBOUND TO I-235 EASTBOUND RAMP CLOSURE

LINEWORK	Design Color No.	
Red	(3)	Closed Ramp
Blue	(1)	I-235 Eastbound Detour Ramp (Alternative 1)
Blue	(1)	I-235 Eastbound Detour Path (Alternative 1)
Green	(2)	I-235 Eastbound Detour Ramp (Alternative 2)
Green	(2)	I-235 Eastbound Detour Path (Alternative 2)
Yellow	(12)	University Ave Detour Ramp
Yellow	(12)	University Ave Detour Path

N



FILE NO.	ENGLISH	DESIGN TEAM Smyth/HR Green	Dallas COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER J.17

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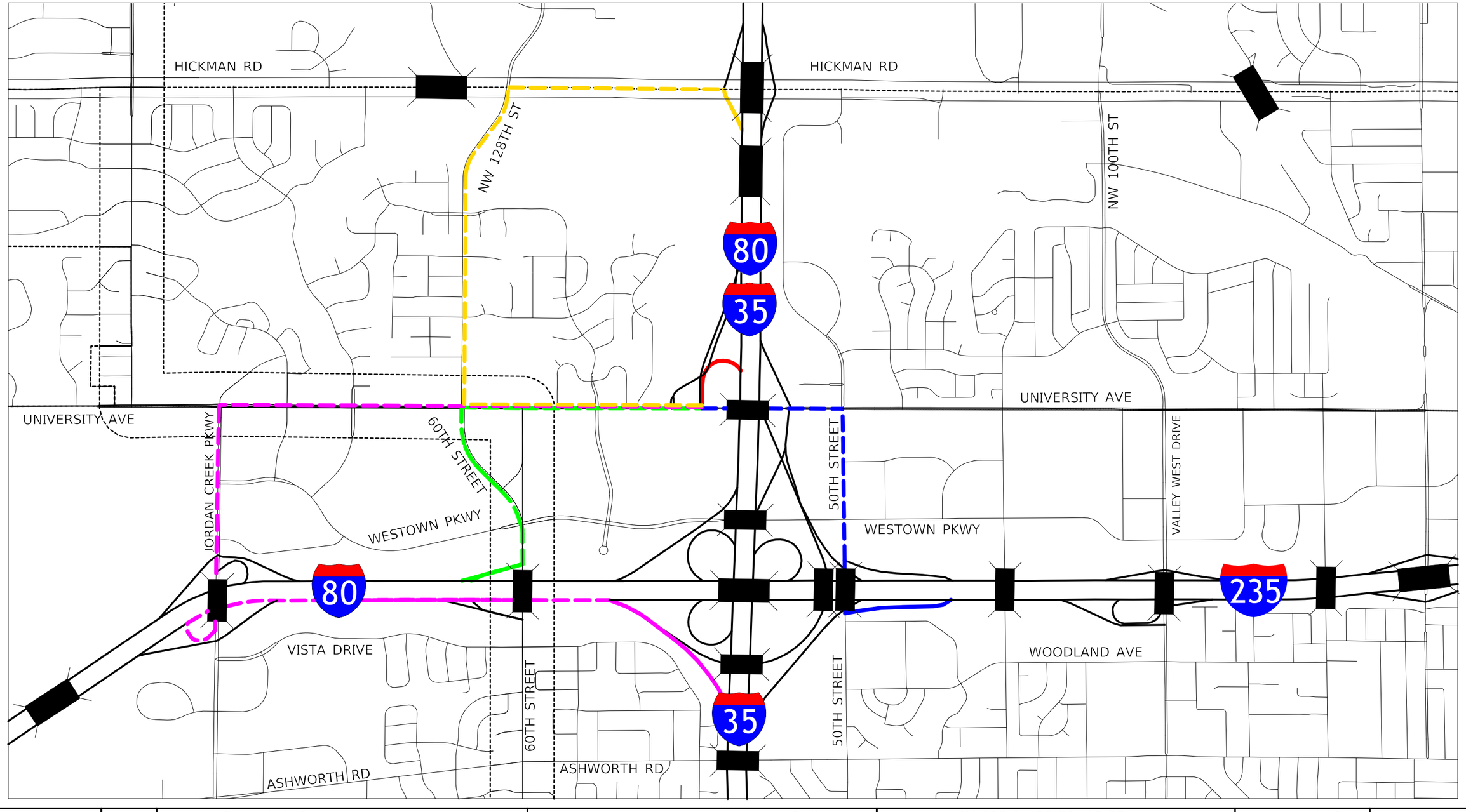
PLAN VIEW COLOR LEGEND OF OFF-SITE DETOURS
UNIVERSITY AVE TO I-35/I-80 SOUTHBOUND/WESTBOUND RAMP CLOSURE

LINEWORK	Design Color No.		LINEWORK	Design Color No.	
Red	(3)	Closed Ramp	Yellow	(12)	I-35 Southbound Detour Ramp (Alternative 1)
Blue	(1)	I-235 Eastbound Detour Ramp	Yellow	(12)	I-35 Southbound Detour Path (Alternative 1)
Blue	(1)	I-235 Eastbound Detour Path	Orange	(5)	I-35 Southbound Detour Ramp (Alternative 2)
Green	(2)	I-80 Westbound Detour Ramp	Orange	(5)	I-35 Southbound Detour Path (Alternative 2)
Green	(2)	I-80 Westbound Detour Path			

N



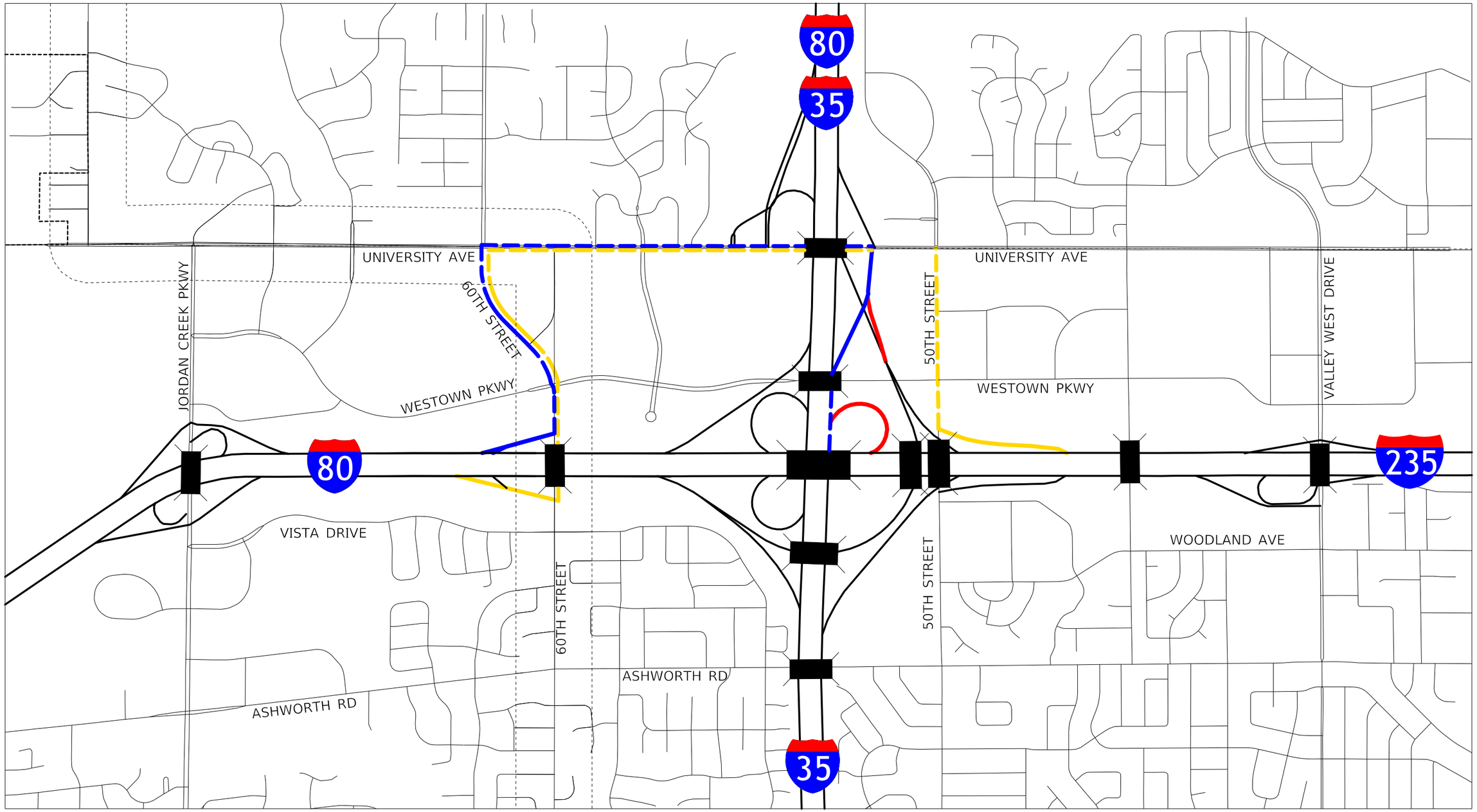
FILE NO.	ENGLISH	DESIGN TEAM Smyth/HR Green	Dallas COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER J.18

4:54:59 PM 9/15/2023 wade.zahuronespw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_DetourPlan.dgn

PLAN VIEW COLOR LEGEND OF OFF-SITE DETOURS
I-35 NORTHBOUND TO I-80 WESTBOUND LOOP RAMP CLOSURE

LINEWORK	Design Color No.	
Red	(3)	Closed Ramp
Blue	(1)	I-80 Westbound Detour Ramp
Blue	(1)	I-80 Westbound Detour Path
Yellow	(2)	Univeristy Ave Detour Ramp
Yellow	(2)	Univeristy Ave Detour Path

N



FILE NO.	ENGLISH	DESIGN TEAM Smyth/HR Green	Dallas COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER J.19

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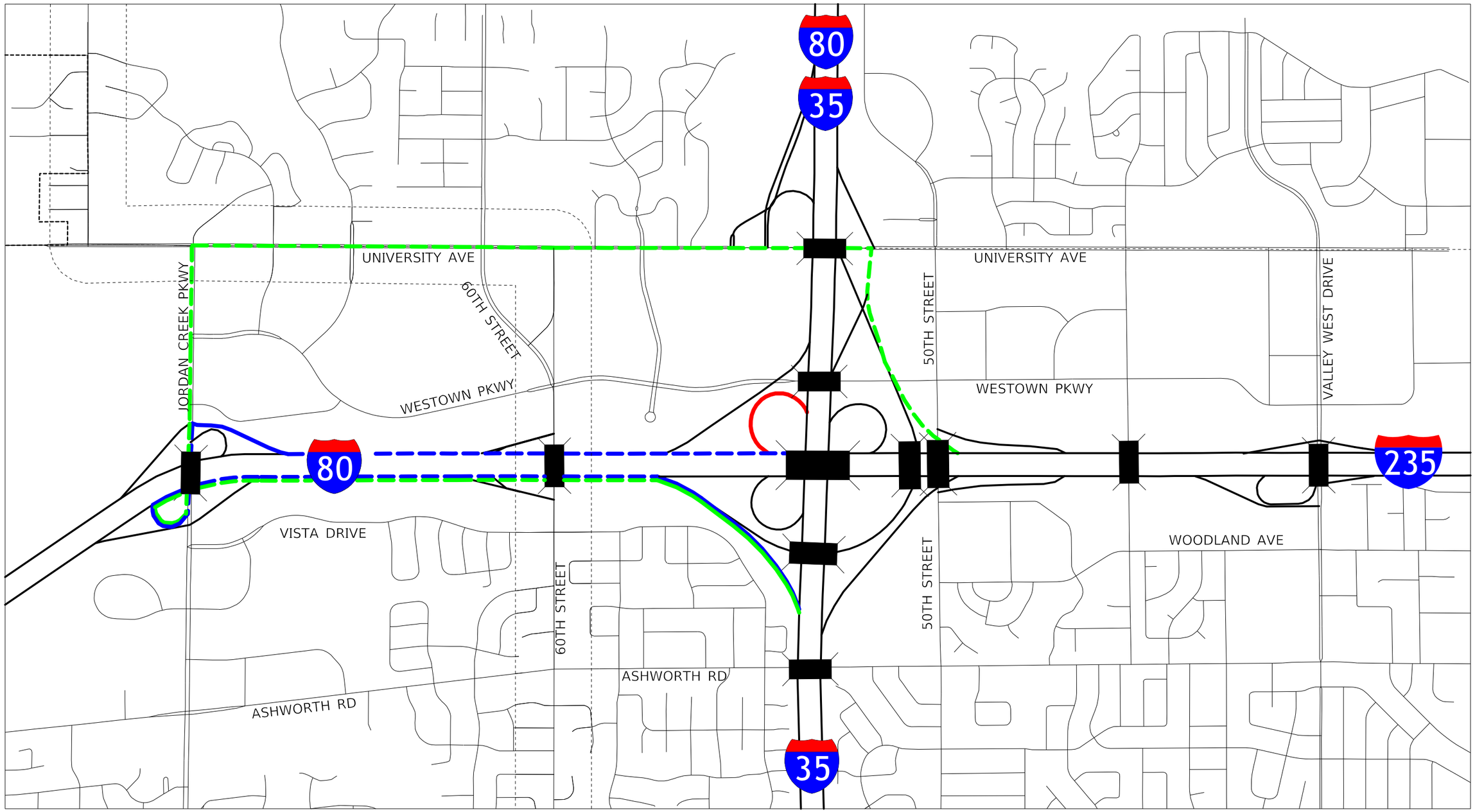
PLAN VIEW COLOR LEGEND OF OFF-SITE DETOURS
I-235 WESTBOUND TO I-35 SOUTHBOUND LOOP RAMP CLOSURE

LINEWORK	Design Color No.	
Red	(3)	Closed Ramp
Blue	(1)	I-35 Southbound Detour Ramp (Alternative 1)
Blue	(1)	I-35 Southbound Detour Path (Alternative 1)
Green	(2)	I-35 Southbound Detour Ramp (Alternative 2)
Green	(2)	I-35 Southbound Detour Path (Alternative 2)

N



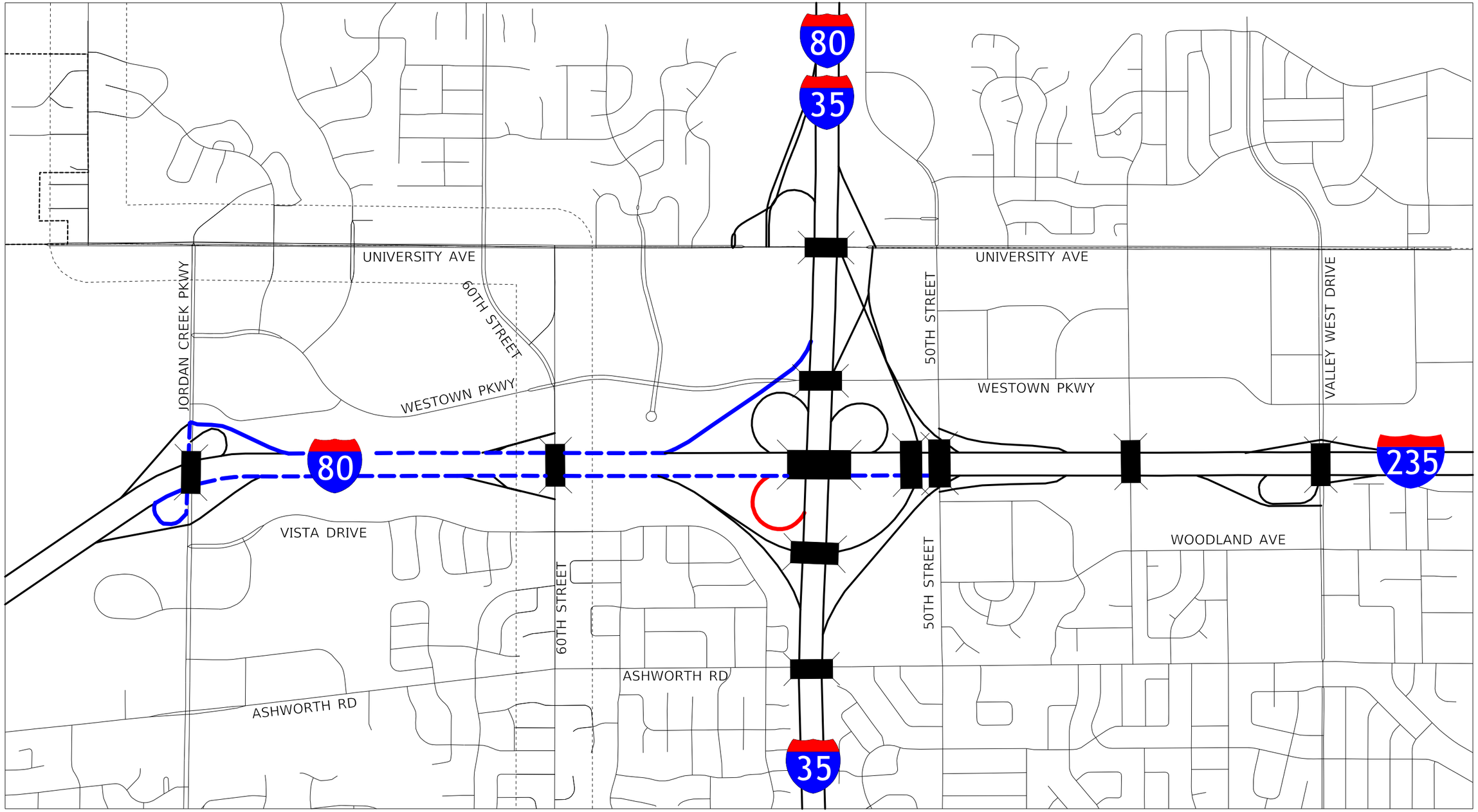
FILE NO.	ENGLISH	DESIGN TEAM Smyth/HR Green	Dallas COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER J.20

4:55:01 PM 9/15/2023 wade.zahuronespw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_DetourPlan.dgn

PLAN VIEW COLOR LEGEND OF OFF-SITE DETOURS
I-35 SOUTHBOUND TO I-235 EASTBOUND LOOP RAMP CLOSURE

LINEWORK	Design Color No.	
Red	(3)	Closed Ramp
Blue	(1)	I-35 Southbound Detour Ramp
Blue	(1)	I-35 Southbound Detour Path

N



FILE NO.	ENGLISH	DESIGN TEAM Smyth/HR Green	Dallas COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER J.21

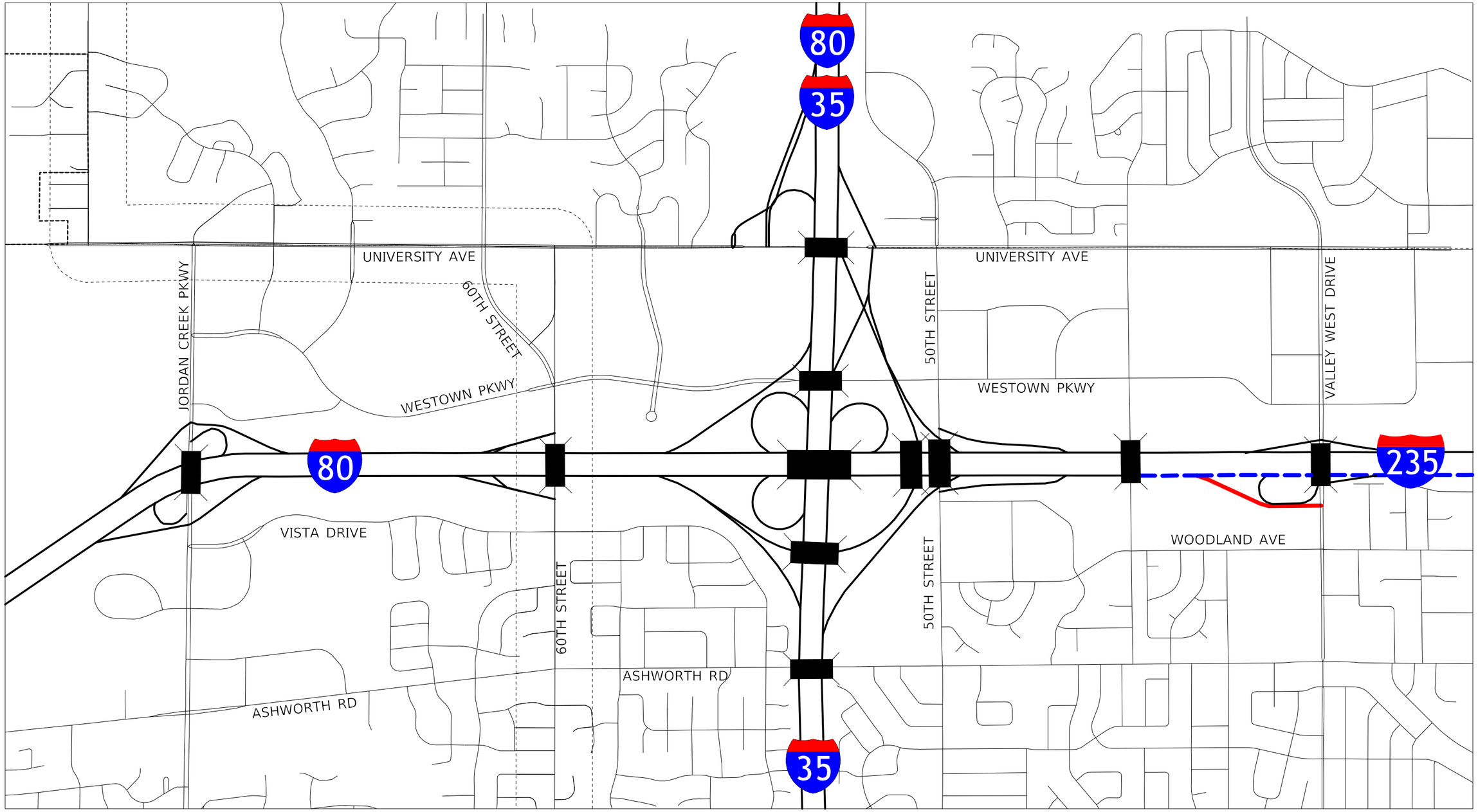
4:55:02 PM 9/15/2023 wade.zahuronespw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_DetourPlan.dgn

PLAN VIEW COLOR LEGEND OF OFF-SITE DETOURS
I-235 EASTBOUND TO VALLEY WEST DRIVE RAMP CLOSURE

LINEWORK	Design Color No.	
Red	(3)	Closed Ramp
Blue	(1)	Valley West Drive Detour Path

NOTE:
Use 22nd St Ramp as Detour Ramp

N



FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER J.22

4:55:02 PM 9/15/2023 wade.zahuronespw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_DetourPlan.dgn

WEST DES MOINES
T-78N R-25W
SEC 06

EXISTING I-80/35 RAMP B

I-35 (ML35)

RAMP D (RPD8035)

POB 4315+37.35 (RPD8035)

POC Sta 4315+37.35 (RPD8035)
POT Sta 315+37.40, 94.64' RT (ML35)

Δ = 31°20'41.55" (RT)
T = 429.27
L = 837.02
R = 1530.00
E = 59.08
e = 6.0%
L = 186
x = 62
DS = 60 mph

EXISTING ROW

TIE-IN
STA 4315+37.35

0 50
FEET

I-80/35
Ramp D
(RPD8035)

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER K.1	

3:36:14 PM 9/15/2023 vdieu pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_K01_77035455_Z08.dgn

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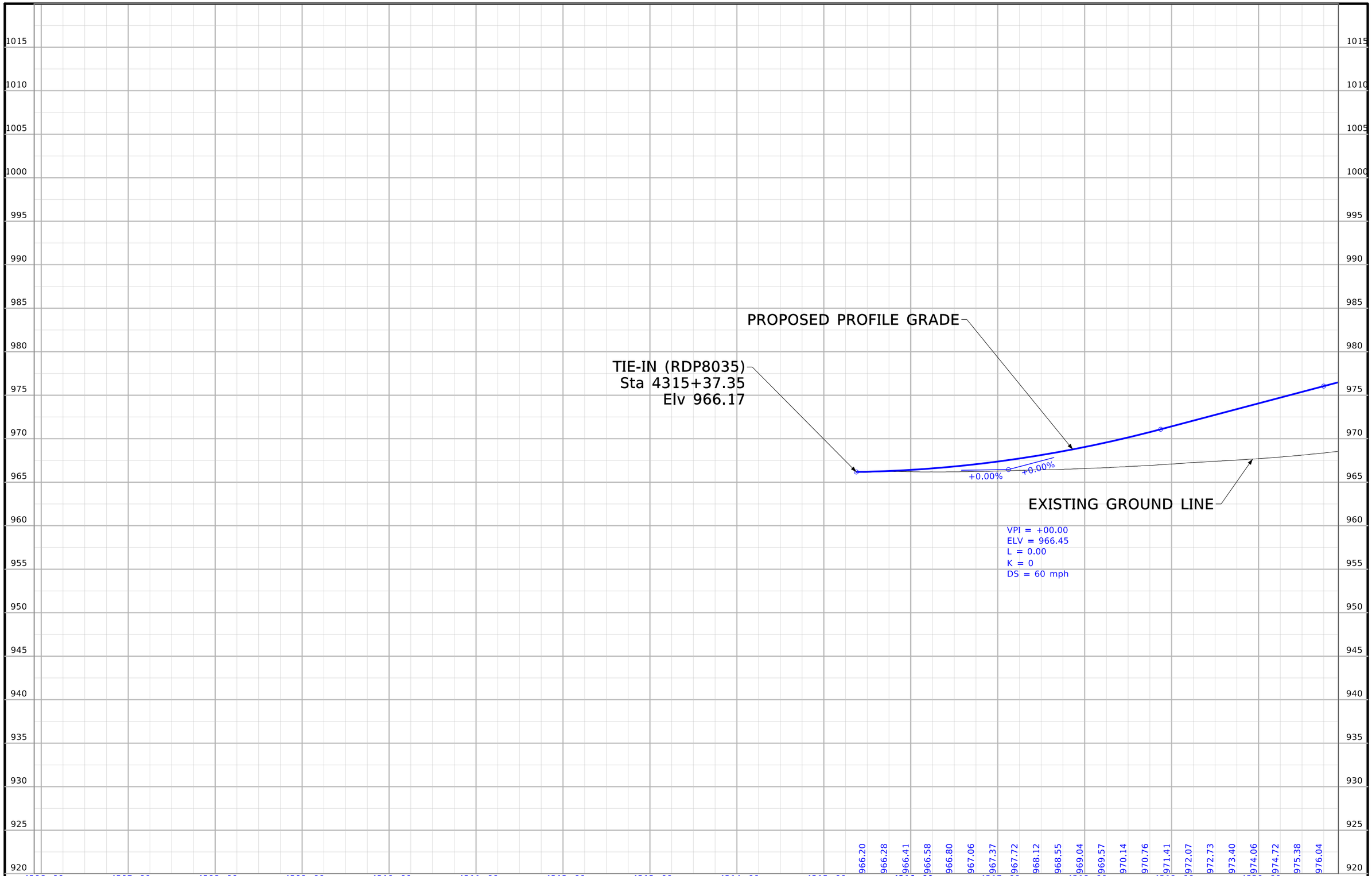

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER K.2	

3:36:16 PM 9/15/2023 vdieu pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_K01_77035455_Z08.dgn

WEST DES MOINES
T-78N R-25W
SEC.06

I-35 (ML35)

RAMP F (RPF8035)

EXISTING I-80 EB RAMP

RAMP D (RPD8035)

Sta. 320+32.04
48" X 278.3" RCP
D.A = 6.55 Ac
U.A.C.

Sta. 4524+87.75
Skew = 19°59' Lt. Ahd.
48" X 60" X 118.4' RCB
D.A = 7.71 Ac
Extend Left

4320+00

4325+00

POT 4329+41.07

PI 4323+74.37

POT Sta 4329+41.07 (RPD8035)
POC Sta 6017+18.09, 12.00' RT (RPF8035)

EXISTING ROW

TIE-IN
STA 4327+38.13

0 FEET 50

I-80/35
Ramp D
(RPD8035)

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER K.3	

3:36:30 PM 9/15/2023 vdieu pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_K01_77035455_Z08.dgn

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569' DSD to painted nose of gore and taper

366' DSD to painted back of gore

VPI = +00.00
ELV = 984.30
L = 0.00
K = 0
DS = 60 mph

+0.00%

+0.00%

PROPOSED PROFILE GRADE

TIE-IN (RPD8035)
Sta 4327+38.13
Elv 979.28

EXISTING GROUND LINE

1015 1010 1005 1000 995 990 985 980 975 970 965 960 955 950 945 940 935 930 925 920

976.68 977.28 977.84 978.36 978.83 979.27 979.67 980.02 980.34 980.61 980.84 981.04 981.19 981.30 981.37 981.40 981.38 981.33 981.24 981.10 980.93 980.71 980.46 980.16 979.82 979.46 979.28

4321+00 4322+00 4323+00 4324+00 4325+00 4326+00 4327+00 4328+00 4329+00

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER K.4

3:36:31 PM 9/15/2023 vdieu pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_K01_77035455_Z08.dgn

WEST DES MOINES TWP.
T-78N R-25W
SEC.06

RAMP G (RPG8035)

I-80/35 (ML8035)

EXISTING I-80/35 RAMP E

EXISTING ROW

Sta. 5346+41.14
Skew = 07°53' Lt. Ahd.
30" X 109.6' RCP
D.A. = 21.82 Ac
U.A.C.

POT Sta 5328+00 (RPE8035)
POT Sta 2331+00, 52.00 LT (MLWB235)

5330+00

Δ = 05°12'13.60" (LT)
T = 181.77
L = 363.29
R = 4000.00
E = 4.13
e = 3.60%
L = 112
x = 62
DS= 60 mph

Δ = 91°23'50.26" (LT)
T = 256.17
L = 398.80
R = 250.00
E = 107.94
e = 6.00%
L = 128
x = 43
DS = 30 mph

5335+00

POE 5335+62.09

POT Sta 5335+62.09 (RPE8035)
POT Sta 2336+80.88, 358.09' LT (MLWB235)

STA 5335+62.09
END CONSTRUCTION

I-235 (ML235)

PI 5329+81.77

BCC 5331+63.28

RAMP E (RPE8035)

WB I-235 (MLWB235)

PI 5334+19.46

EXISTING I-80/35 RAMP A

EXISTNG I-80/35 RAMP F

SIGN

0 FEET 50

I-80/35
Ramp E
(RPE8035)

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER K.5	

3:37:12 PM 9/15/2023 vdieu pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_K02_77035455_Z08.dgn

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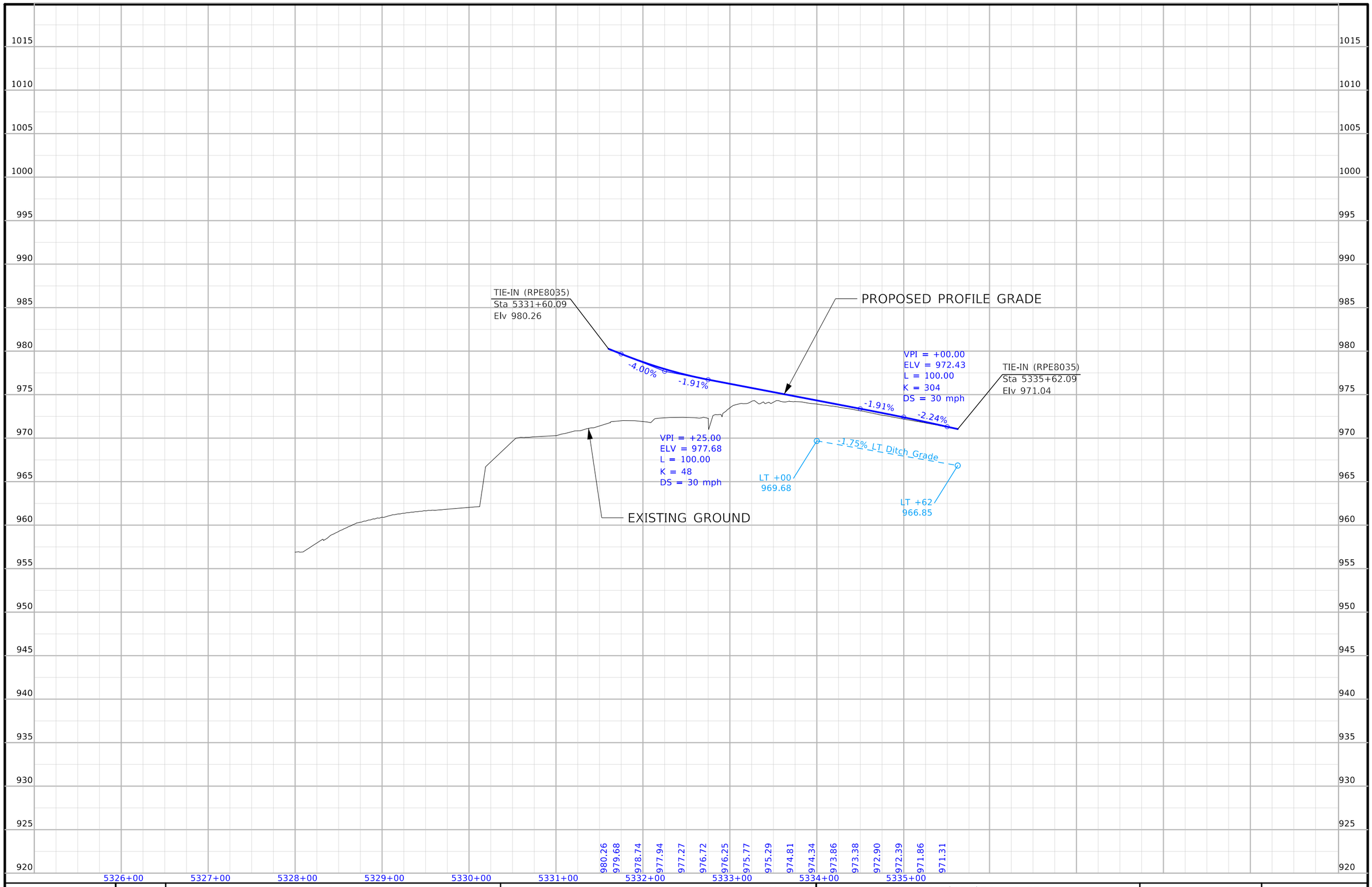

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER K.6

3:37:14 PM 9/15/2023 vdieu pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_K02_77035455_Z08.dgn

WEST DES MOINES TWP.
T-78N R-25W
SEC.06

EXISTING ROW

Δ = 08°55'31.91" (LT)
T = 152.19
L = 303.77
R = 1950.00
E = 5.93
e = 5.40%
L = 216
x = 80
DS = 60 mph

POC Sta 6000+00 (RPF8035)
POT Sta 1350+84.42, 74.00' RT (ML235)

50th Street Ramp D (RPD50)

Sta. 1444+76.01
Skew = 19°08' Lt. Ahd.
30" X 164.4' RCP
D.A. = 1.70 Ac

50TH ST

EXISTING ROW

Δ = 40°30'01.28" (LT)
T = 490.67
L = 940.13
R = 1330.00
E = 87.62
e = 6.00%
L = 240
x = 80
DS = 60 mph

600' Taper 50:1 Ratio

RAMP F (RPF8035)

Sta. 6009+02.02
Skew = 16°56' Rt. Ahd.
36" X 131.8' RCP
D.A. 3.42 Ac
Remove

Sta 6009+00.00
Install 42" x 140' 2000D

I-235 (ML235)

EXISTING I-80/35 RAMP A

EXISTING 50TH RAMP A

EXISTING ROW

Sta. 1347+78.92
Skew = 09°45' Rt. Ahd.
30" X 167' RCP
D.A = 12.84 Ac

WB I-235 (MLWB235)

0 50
FEET

I-80/35
Ramp F
(RPF8035)

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER K.7	

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1025' DSD to back of gore = 60 mph

TIE-IN (RPF8035)
Sta 6003+03.77
Elv 963.62

EXISTING GROUND LINE

-1.47%

+2.90%

VPI = +75.00
ELV = 959.63
L = 350.00
K = 80
DS = 60 mph

PROPOSED PROFILE GRADE

RT +00
953.95

4.63% RT Ditch Grade

RT +75
950.40

7.65% RT Ditch Grade

RT +75
958.05

1010 1005 1000 995 990 985 980 975 970 965 960 955 950 945 940 935 930 925 920 915 910

5996+00 5997+00 5998+00 5999+00 6000+00 6001+00 6002+00 6003+00 6004+00 6005+00 6006+00 6007+00 6008+00 6009+00 6010+00

963.62 963.31 962.94 962.57 962.21 961.88 961.63 961.46 961.36 961.34 961.41 961.55 961.76 962.06 962.43 962.89 963.42 964.02 964.71 965.43 966.16 966.88 967.61 968.34 969.04 969.71 970.34 970.94 971.49

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER K.8

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WEST DES MOINES TWP.
T-78N R-25W
SEC.06

EXISTING ROW

F03

6010+00

6015+00

6020+00

RAMP D (RPD8035)

RAMP F (RPF8035)

600' Taper 50:1 Ratio

PT 6012+43.69

PC 6017+18.09

EXISTING I-80 EB RAMP

Δ = 180°09'31.97" (RT)
T = 613053.92
L = 2672.71
R = 850.00
E = 612204.51
e = 6.00%
L = 216
x = 72
DS = 50 mph

Sta. 6016+43.69
Skew = 06°30' Rt. Ahd.
48" X 48" X 493.7' RCB
D.A. 18.74 Ac
U.A.C.

I-35 (ML35)

SIGN

0 50
FEET

I-80/35
Ramp F
(RPF8035)

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER K.9	

3:38:27 PM 9/15/2023 vdieu pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_K03_77035455_Z08.dgn

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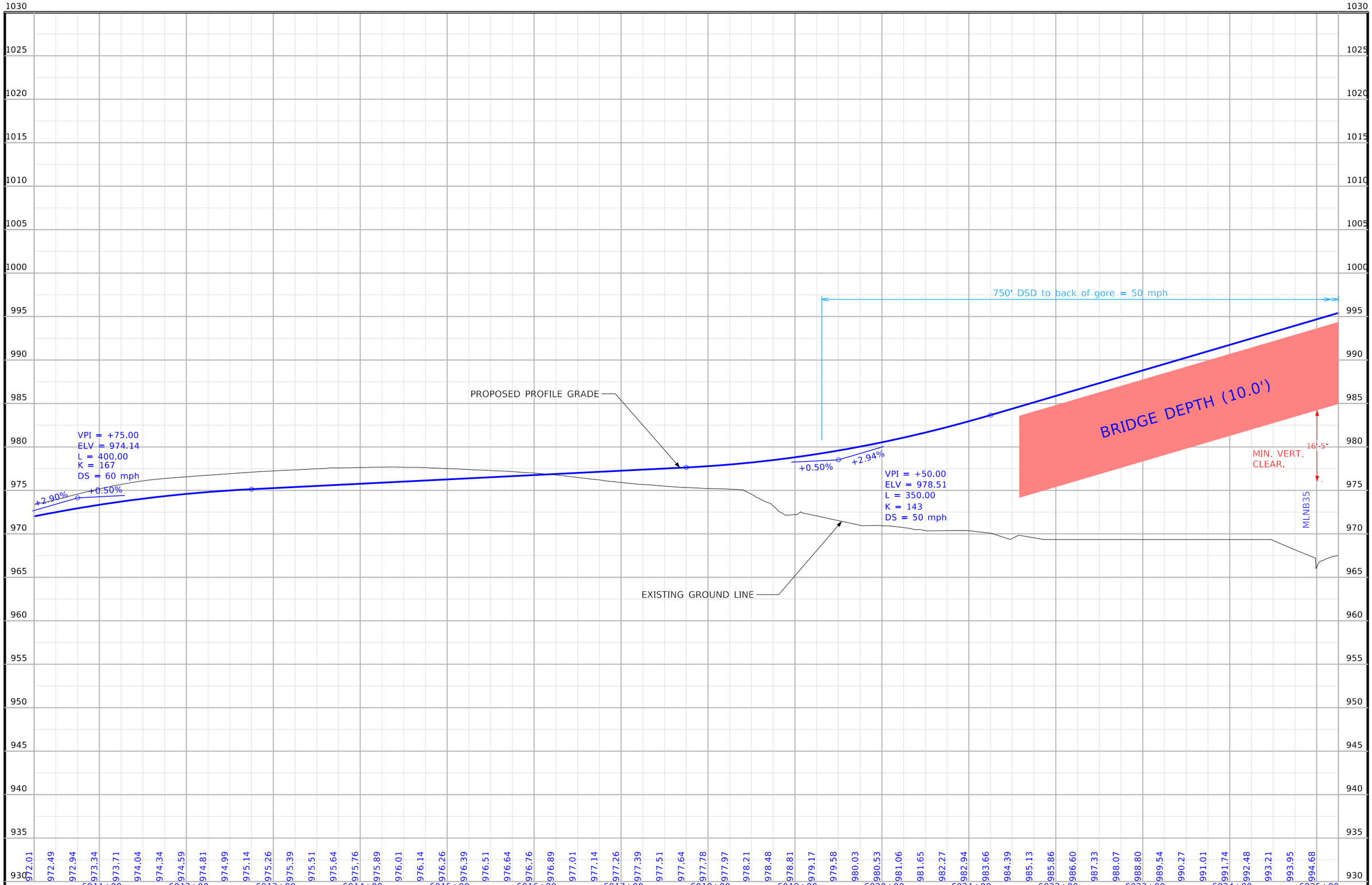

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER K.10

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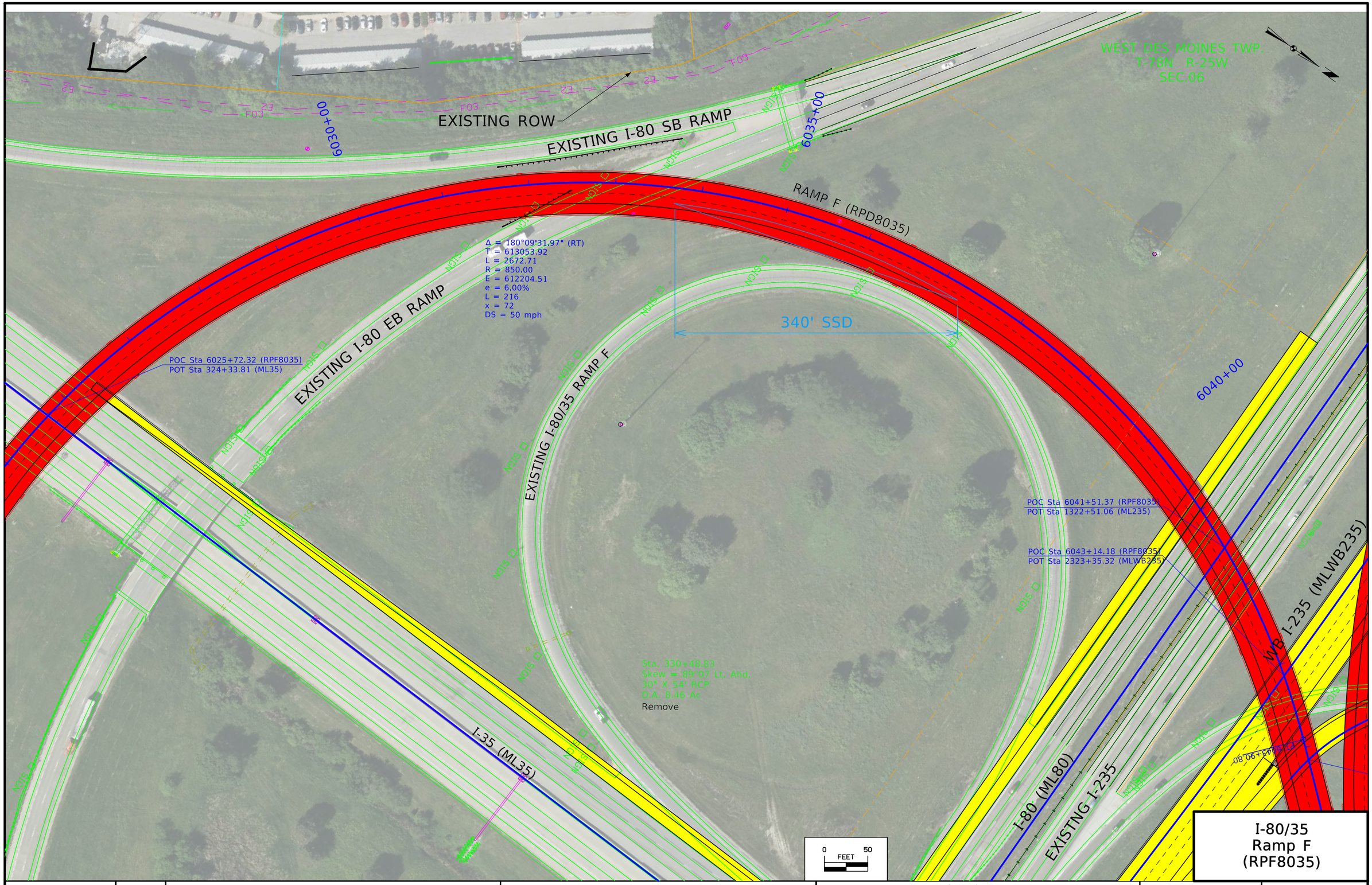

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER K.11	

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PROPOSED PROFILE GRADE

VPI = +75.00
ELV = 1032.17
L = 1300.00
K = 200
DS = 50 mph

+2.94%
-3.56%

BRIDGE DEPTH (10.0')

MIN. VERT. CLEAR.
18'-8"

MLSB35

EXISITNG GROUND LINE

1050 1045 1040 1035 1030 1025 1020 1015 1010 1005 1000 995 990 985 980 975 970 965 960 955 950

995.42 996.15 996.89 997.62 998.36 999.09 999.83 1000.56 1001.30 1002.03 1002.77 1003.50 1004.24 1004.97 1005.71 1006.44 1007.18 1007.91 1008.65 1009.38 1010.12 1010.85 1011.59 1012.32 1013.06 1013.78 1014.46 1015.12 1015.75 1016.34 1016.90 1017.44 1017.94 1018.41 1018.84 1019.25 1019.63 1019.97 1020.28 1020.57 1020.82 1021.04 1021.22 1021.38 1021.51 1021.60 1021.66 1021.70 1021.70 1021.67 1021.60 1021.51 1021.39 1021.23 1021.04 1020.83 1020.58 1020.30 1019.98 1019.64

6026+00 6027+00 6028+00 6029+00 6030+00 6031+00 6032+00 6033+00 6034+00 6035+00 6036+00 6037+00 6038+00 6039+00 6040+00

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER K.12

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WEST DES MOINES TWP.
T-78N R-25W
SEC.06

EXISTING ROW

EXISTING I-80 WB RAMP

RAMP G (RPG8035)

EXISTING I-80/35 RAMP G

RAMP C (RPCUNV)

WB I-235 (MLWB235)

I-80 WB RAMP (RPWB80)

RAMP F (RPF8035)

EXISTING I-235

I-80 (ML80)

I-235 (ML235)

I-35 (ML35)

POT Sta 6044+14.72 (RPF8035)
POC Sta 8324+55.20 (RPG8035)

6045+00

POE 6047+78.24

POC Sta 6047+78.24 (RPF8035)
POT Sta 341+11.25, 338.16 LT (ML35)

POC Sta 6041+51.37 (RPF8035)
POT Sta 1322+51.06 (ML235)

Δ = 180°09'31.97" (RT)
T = 613053.92
L = 2672.71
R = 850.00
E = 612204.51
e = 6.00%
L = 216
x = 72
DS = 50 mph

POC Sta 6043+14.18 (RPF8035)
POT Sta 2323+35.32 (MLWB235)

0 FEET 50

I-80/35
Ramp F
(RPF8035)

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER K.13	

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PROPOSED GRADE LINE

TIE-IN (RPF8035)
Sta 6045+02.42
Elv 1006.27

BRIDGE DEPTH (10.0')

MIN. VERT. CLEAR.
24'-4"
ML80

MIN. VERT. CLEAR.
16'-6"
MLWB235

16'-6"
MIN. VERT. CLEAR.
RPG8035

EXISTING GROUND LINE

1060 1055 1050 1045 1040 1035 1030 1025 1020 1015 1010 1005 1000 995 990 985 980 975 970 965 960

1019.27 1018.86 1018.42 1017.96 1017.46 1016.93 1016.36 1015.77 1015.15 1014.49 1013.80 1013.09 1012.34 1011.56 1010.74 1009.90 1009.03 1008.14 1007.25 1006.36 1006.27

6041+00 6042+00 6043+00 6044+00 6045+00 6046+00 6047+00

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER K.14

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WEST DES MOINES TWP.
T-78N R-25W
SEC.06

EXISTING I-80 WB RAMP

8330+00

EXISTING ROW

WB I-235 (MLWB235)

RAMP G (RPG8035)

Δ = 227°08'15.70" (RT)
T = 687.69
L = 1189.29
R = 300.00
E = 450.28
e = 6.0%
L = 137
x = 46
DS = 30 mph

EXISTING I-80/35 RAMP G

POC Sta 8325+48.93 (RPG8035)
POC Sta 3522+51.14 (RPWB80)

POC Sta 8324+55.20 (RPG8035)
POT Sta 6044+14.72 (RPF8035)

Δ = 20°44'24.13" (RT)
T = 45.75
L = 90.50
R = 250.00
E = 4.15
e = 6.00%
L = 137
x = 46
DS = 30 mph

POC Sta 8325+17.61

8325+00

I-80 WB RAMP (RPWB80)

8335+00

RAMP C (RPCUNV)

RAMP F (RPF8035)

326.5' Taper 15:1 Ratio

POC Sta 8324+25.00 (RPG8035)
POT Sta 2324+23.49, 76.14' LT (MLWB235)

POC Sta 8337+06.90 (RPG8035)
POT Sta 3342+45.39,12.00' LT (RPCUNV)

EXISTING I-80/35 RAMP F

I-80 (ML80)

I-35 (ML35)

0 50
FEET

I-80/35
Ramp G
(RPG8035)

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER K.15	

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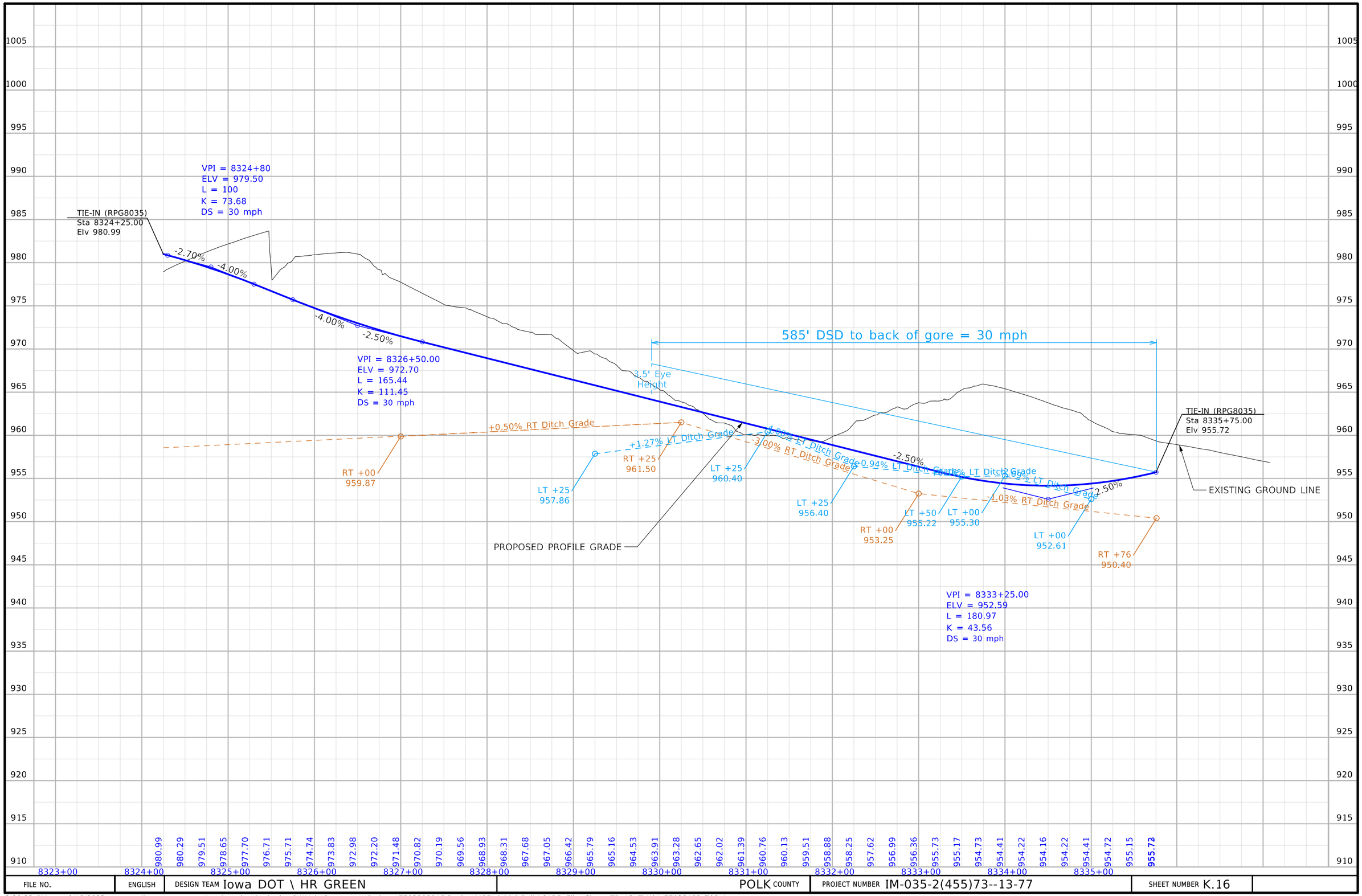

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER K.16

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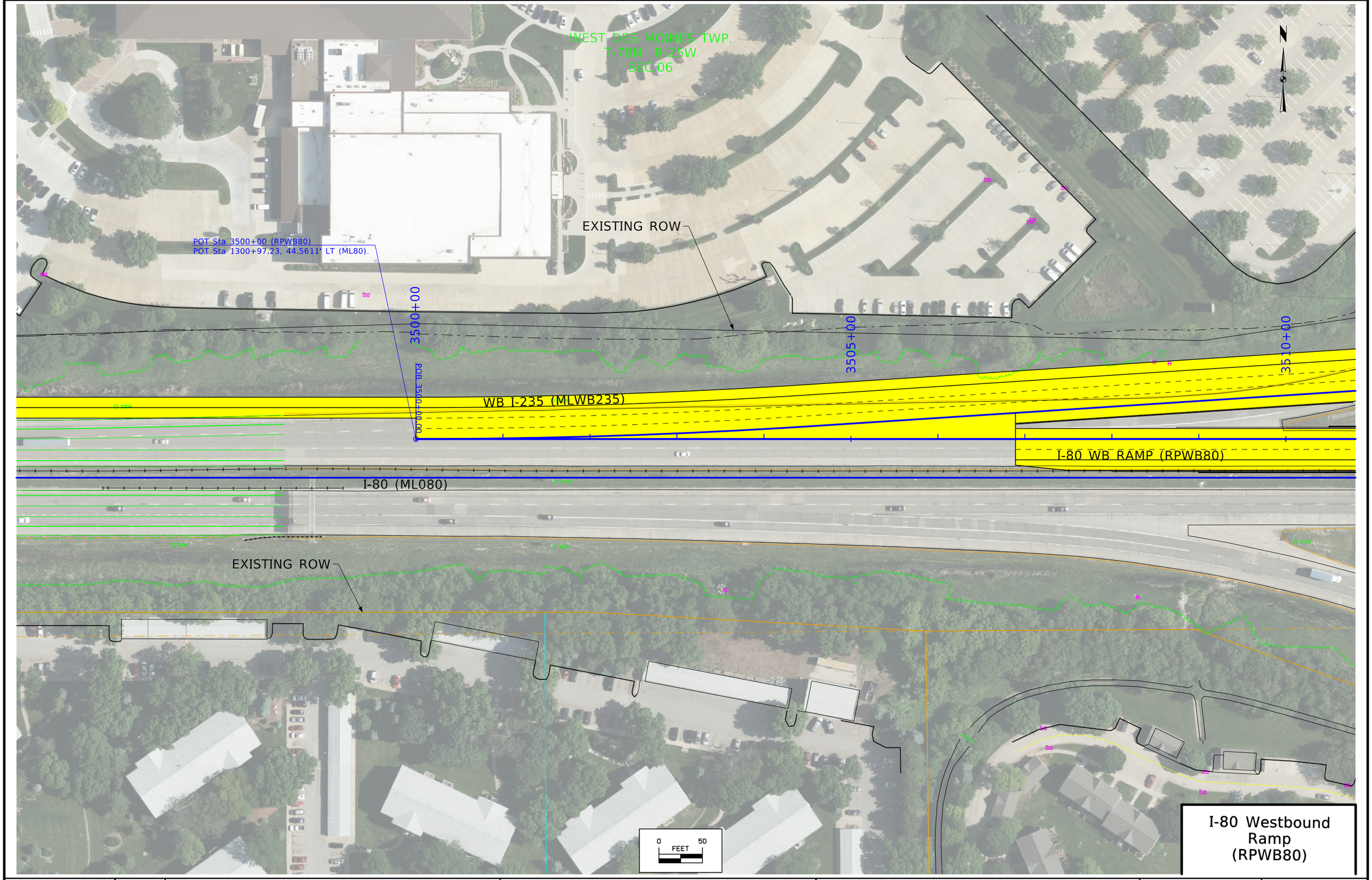

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER K.17	

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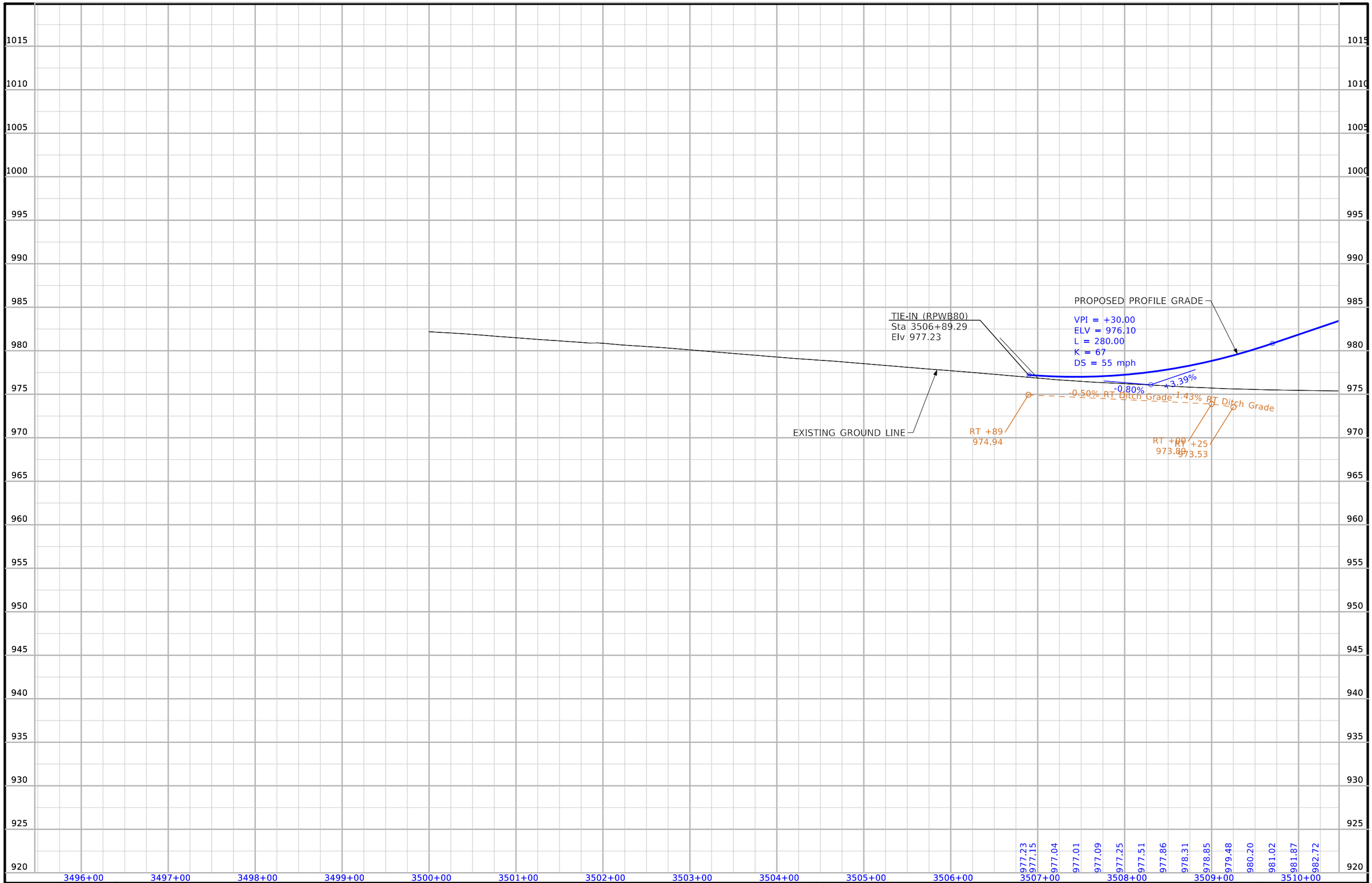

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER K.18

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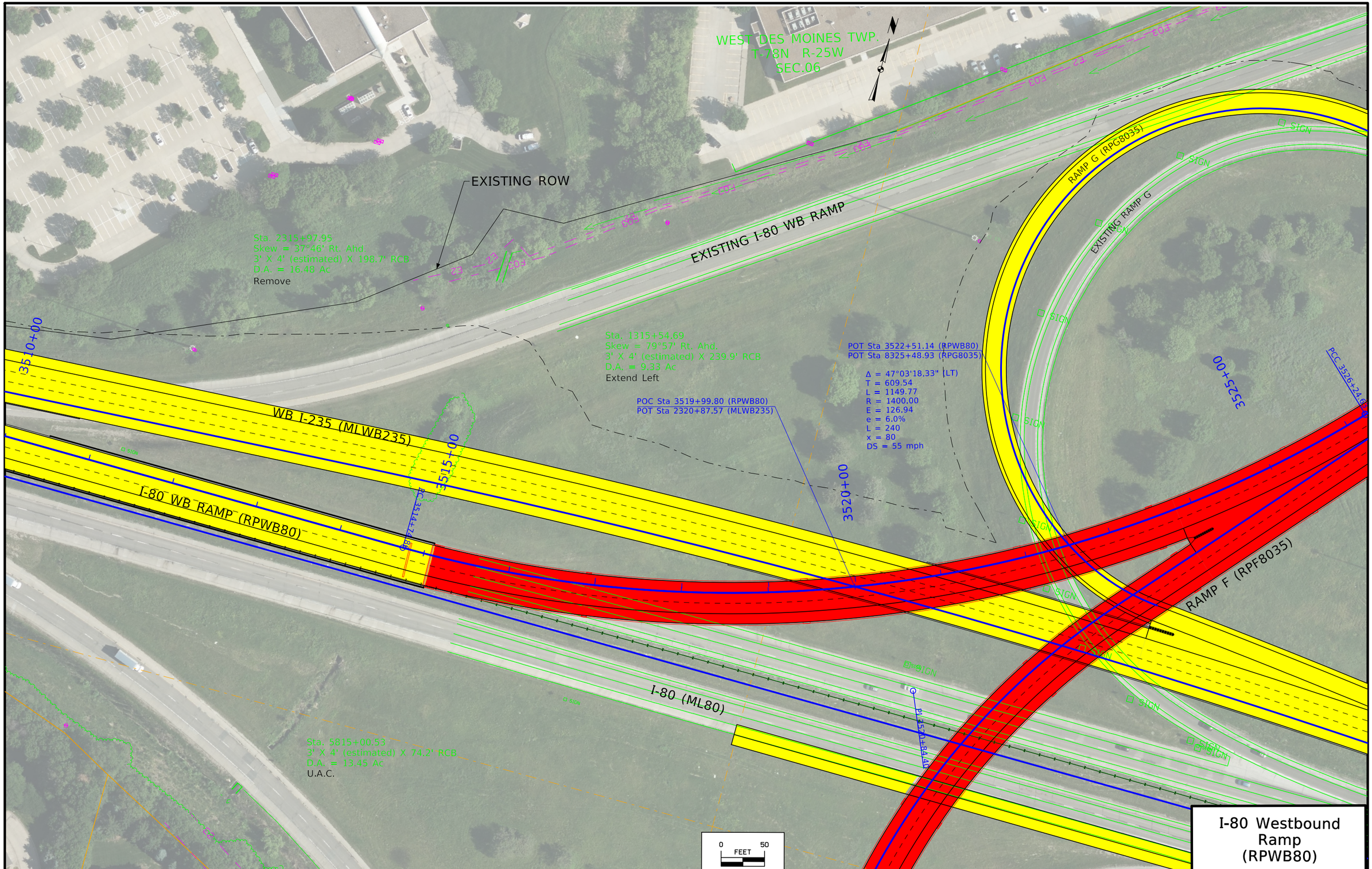

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER K.19

3:40:50 PM 9/15/2023 vdieu pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_K05_77035455_Z08.dgn

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VPI = +55.00
ELV = 1017.65
L = 850.00
K = 115
DS = 55 mph

+3.39%

-4.00%

PROPOSED PROFILE GRADE

BRIDGE DEPTH (12.0')

MIN. VERT. CLEAR.
16'-6"

MLWB235

MIN. VERT. CLEAR.
16'-9"

RPG8035

EXISTING GROUND LINE

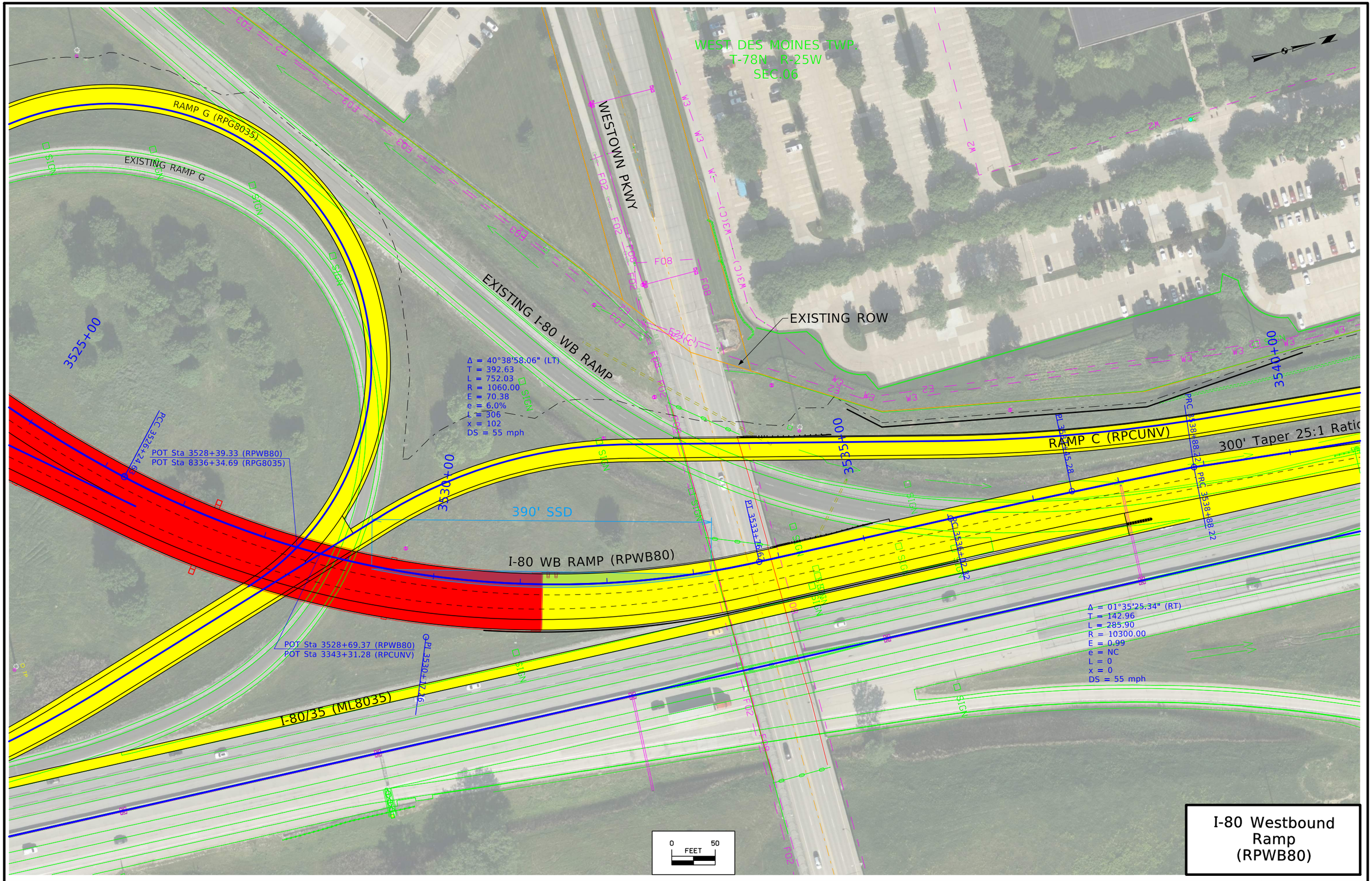
1040 1035 1030 1025 1020 1015 1010 1005 1000 995 990 985 980 975 970 965 960 955 950 945

983.57 984.41 985.26 986.11 986.96 987.80 988.65 989.50 990.35 991.20 992.04 992.89 993.74 994.59 995.44 996.28 997.13 997.98 998.83 999.67 1000.52 1001.37 1002.22 1003.07 1003.90 1004.67 1005.40 1006.07 1006.68 1007.24 1007.74 1008.20 1008.59 1008.94 1009.22 1009.46 1009.64 1009.76 1009.83 1009.85 1009.81 1009.72 1009.57 1009.37 1009.11 1008.80 1008.44 1008.02 1007.55 1007.02 1006.44 1005.81 1005.11 1004.37 1003.57 1002.72 1001.81 1000.85 999.85 998.85

3511+00 3512+00 3513+00 3514+00 3515+00 3516+00 3517+00 3518+00 3519+00 3520+00 3521+00 3522+00 3523+00 3524+00 3525+00

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER K.20

3:40:51 PM 9/15/2023 vdieu pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_K05_77035455_Z08.dgn



FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER K.21

3:41:15 PM 9/15/2023 vdieu pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_K05_77035455_Z08.dgn

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BRIDGE DEPTH (12.0')

17'-6"
MIN. VERT.
CLEAR.

RPCUNV

PROPOSED PROFILE GRADE

EXISTING GROUND LINE

TIE-IN (RPWB80)
Sta 3537+99.20
Elv 950.25

-4.00%

-1.34%

VPI = +10.00
ELV = 951.45
L = 175.00
K = 66
DS = 55 mph

1015 1010 1005 1000 995 990 985 980 975 970 965 960 955 950 945 940 935 930 925 920

997.85 996.85 995.85 994.85 993.85 992.85 991.85 990.85 989.85 988.85 987.85 986.85 985.85 984.85 983.85 982.85 981.85 980.85 979.85 978.85 977.85 976.85 975.85 974.85 973.85 972.85 971.85 970.85 969.85 968.85 967.85 966.85 965.85 964.85 963.85 962.85 961.85 960.85 959.85 958.85 957.85 956.85 955.85 954.85 953.91 953.06 952.31 951.65 951.08 950.61 950.25

3526+00 3527+00 3528+00 3529+00 3530+00 3531+00 3532+00 3533+00 3534+00 3535+00 3536+00 3537+00 3538+00 3539+00 3540+00

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER K.22

3:41:16 PM 9/15/2023 vdieu pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_K05_77035455_Z08.dgn

WEST DES MOINES TWP.
T-78N R-25W
SEC.06

UNIVERSITY AVE

POT Sta 3551+61.33 (RPWB80)
POT Sta 365+81.33, 78.00' LT (ML8035)

EXISTING ROW

3545+00

3550+00

Δ = 05°12'36.99" (LT)
T = 636.99
L = 1273.11
R = 14000.00
E = 14.48
e = NC
DS = 60 mph

RAMP C (RPCUNV)

5:1 Ratio

I-80 WB RAMP (RPWB80)

I-80/35 (ML8035)

PI 3545+15.21

0 50
FEET

I-80 Westbound Ramp (RPWB80)

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER K.23	

3:41:41 PM 9/15/2023 vdieu pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_K05_77035455_Z08.dgn

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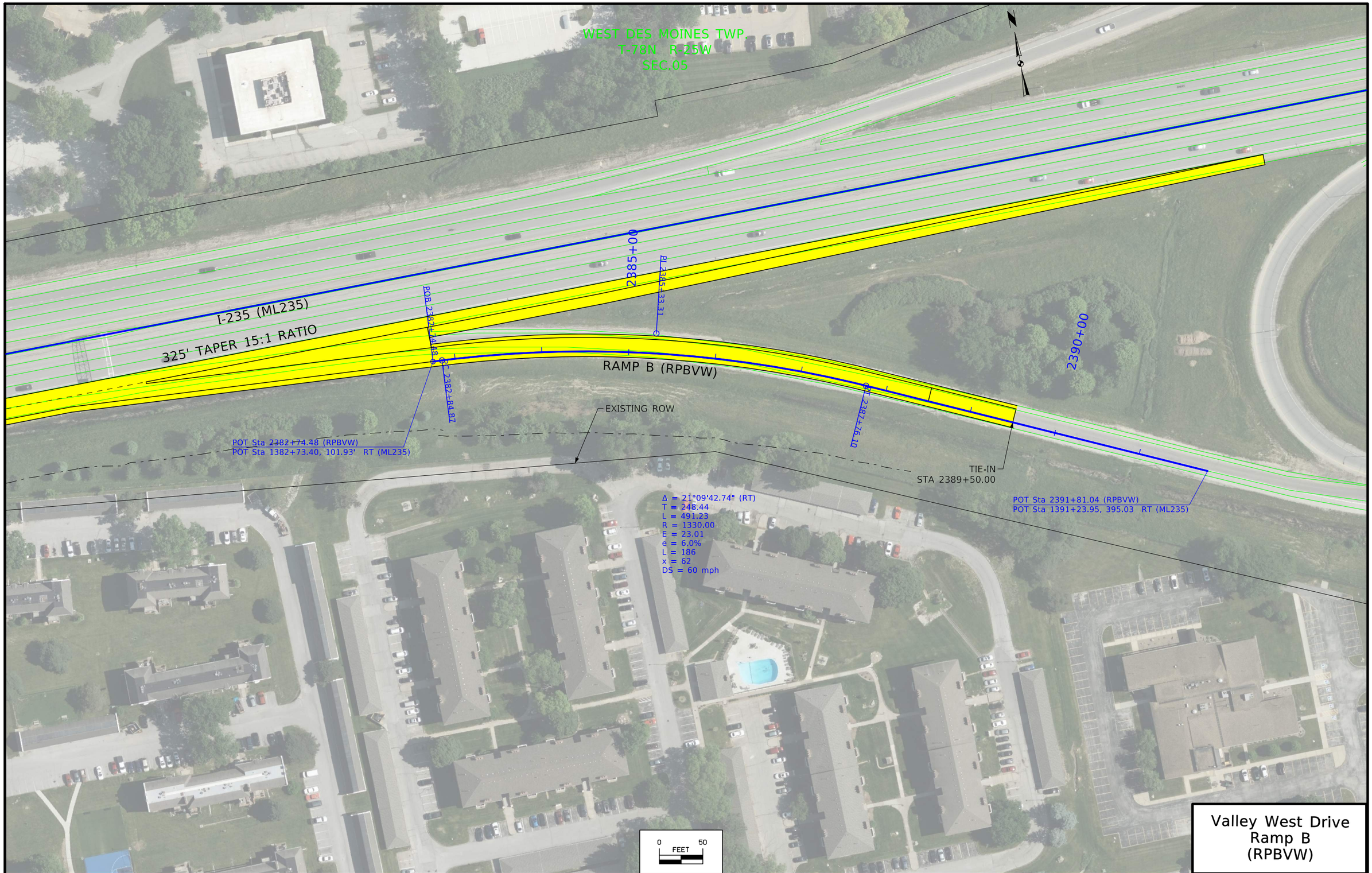
975
970
965
960
955
950
945
940
935
930
925
920
915
910
905
900
895
890
885
880

EXISTING GROUND LINE

3541+00 3542+00 3543+00 3544+00 3545+00 3546+00 3547+00 3548+00 3549+00 3550+00 3551+00

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER K.24	

3:41:42 PM 9/15/2023 vdieu pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_K05_77035455_Z08.dgn



FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER K.25

3:42:39 PM 9/15/2023 vdieu pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_K06_77035455_Z08.dgn

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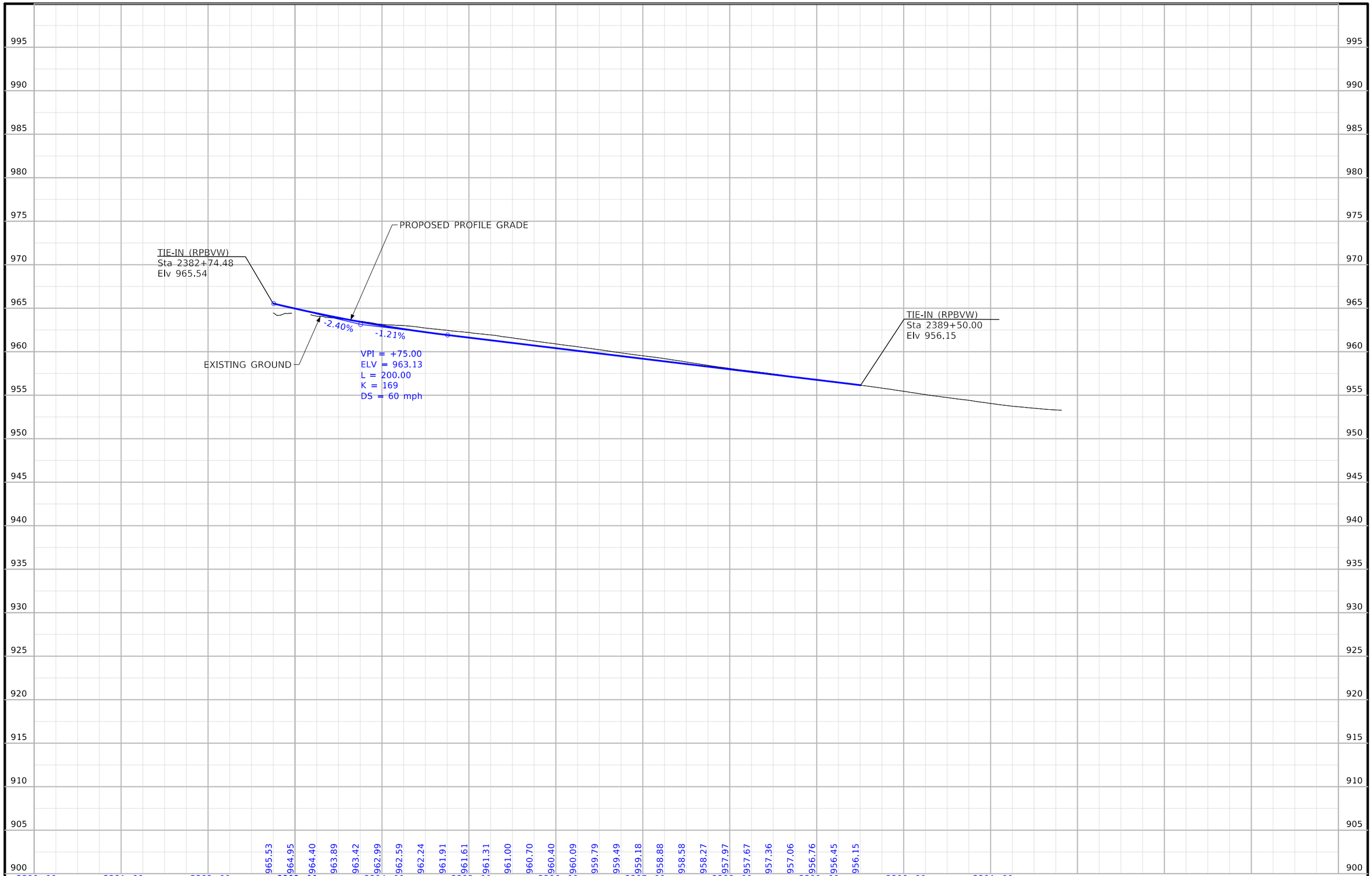
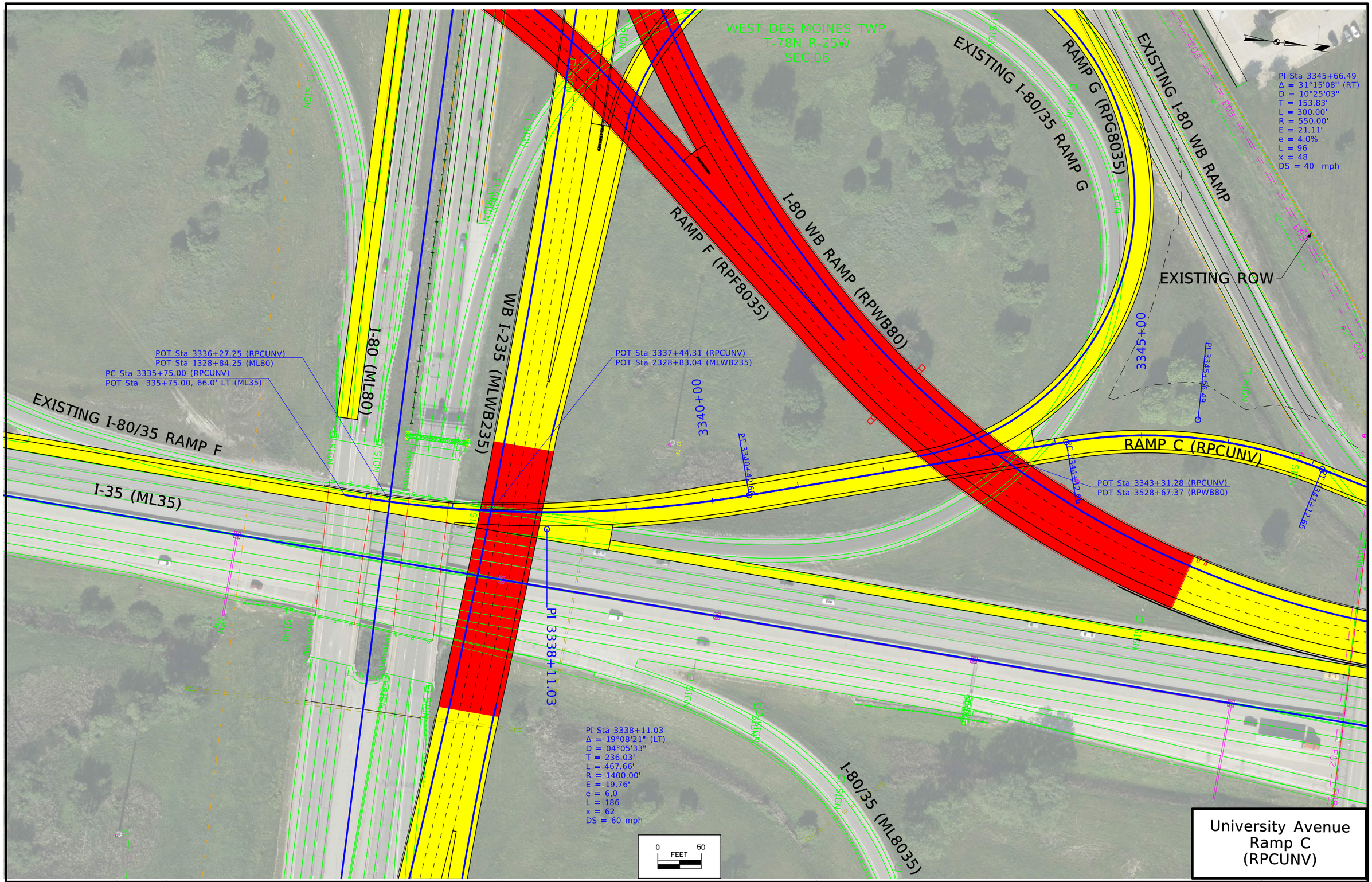


FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER K.26

3:42:40 PM 9/15/2023 vdieu pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_K06_77035455_Z08.dgn



FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER K.27	

3:43:45 PM 9/15/2023 vdieu pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_K07_77035455_Z08.dgn

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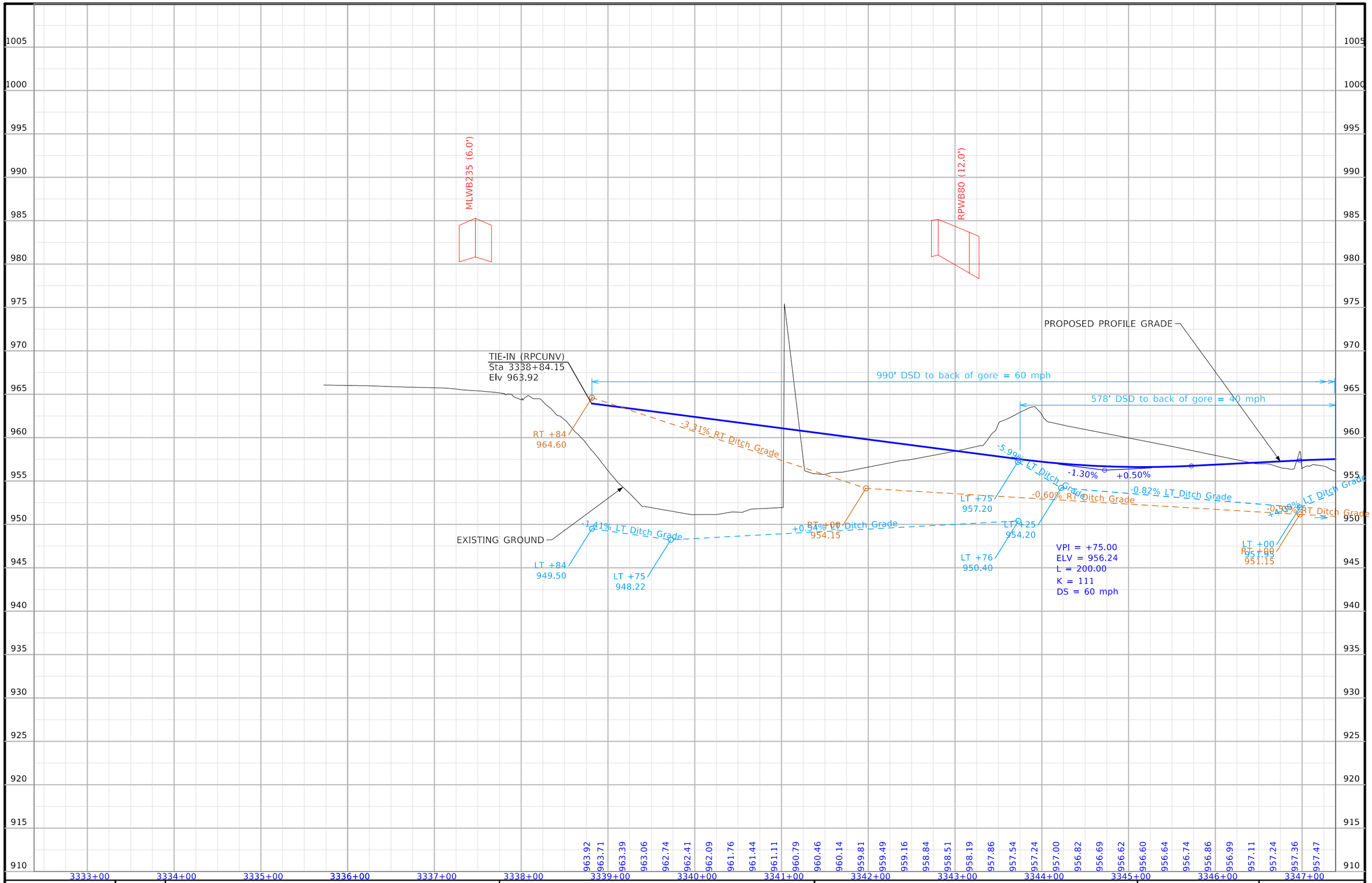
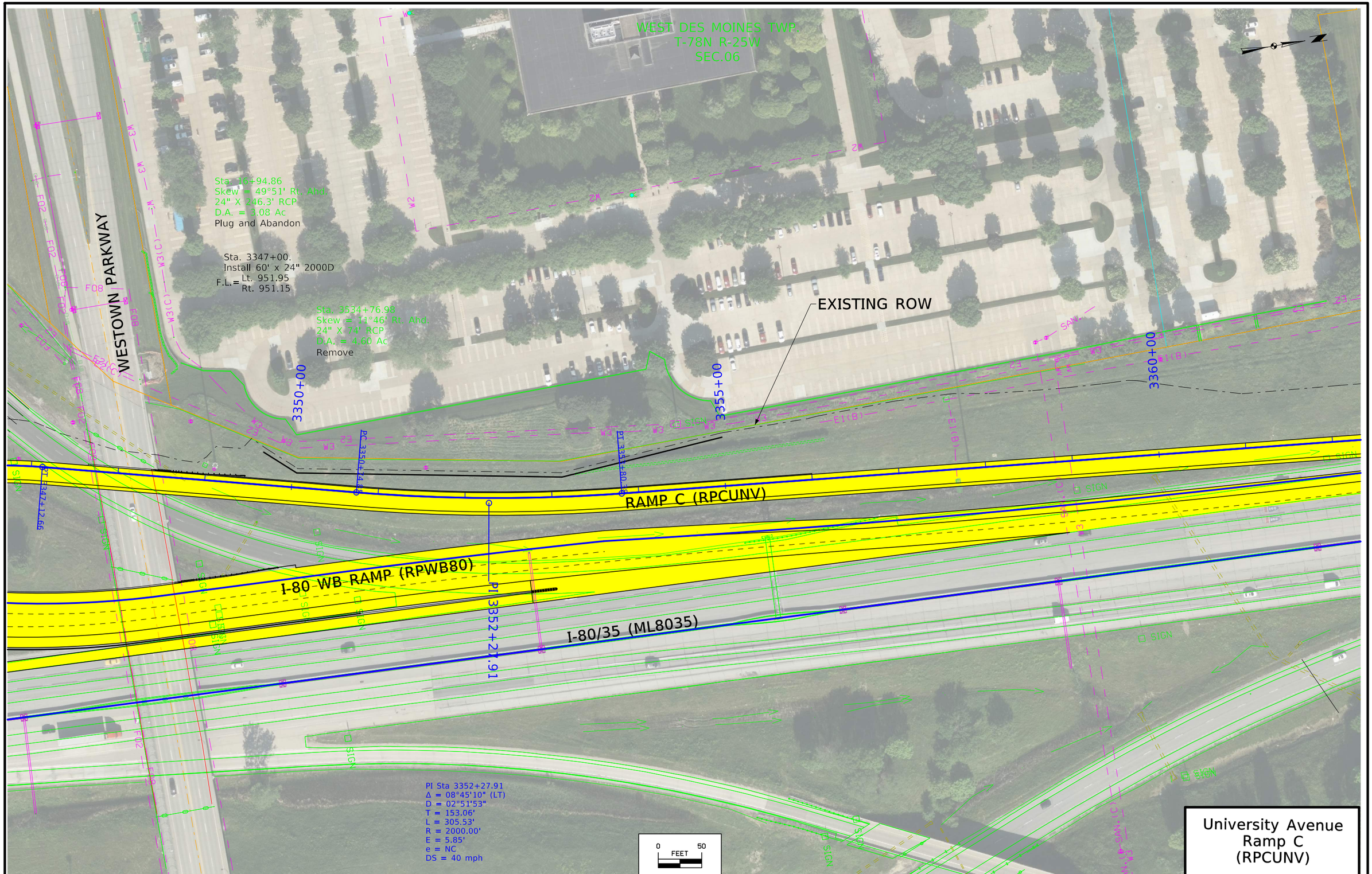


FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER K.28

3:43:46 PM 9/15/2023 vdieu pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_K07_77035455_Z08.dgn



FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER K.29

3:44:08 PM 9/15/2023 vdieu pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_K07_77035455_Z08.dgn

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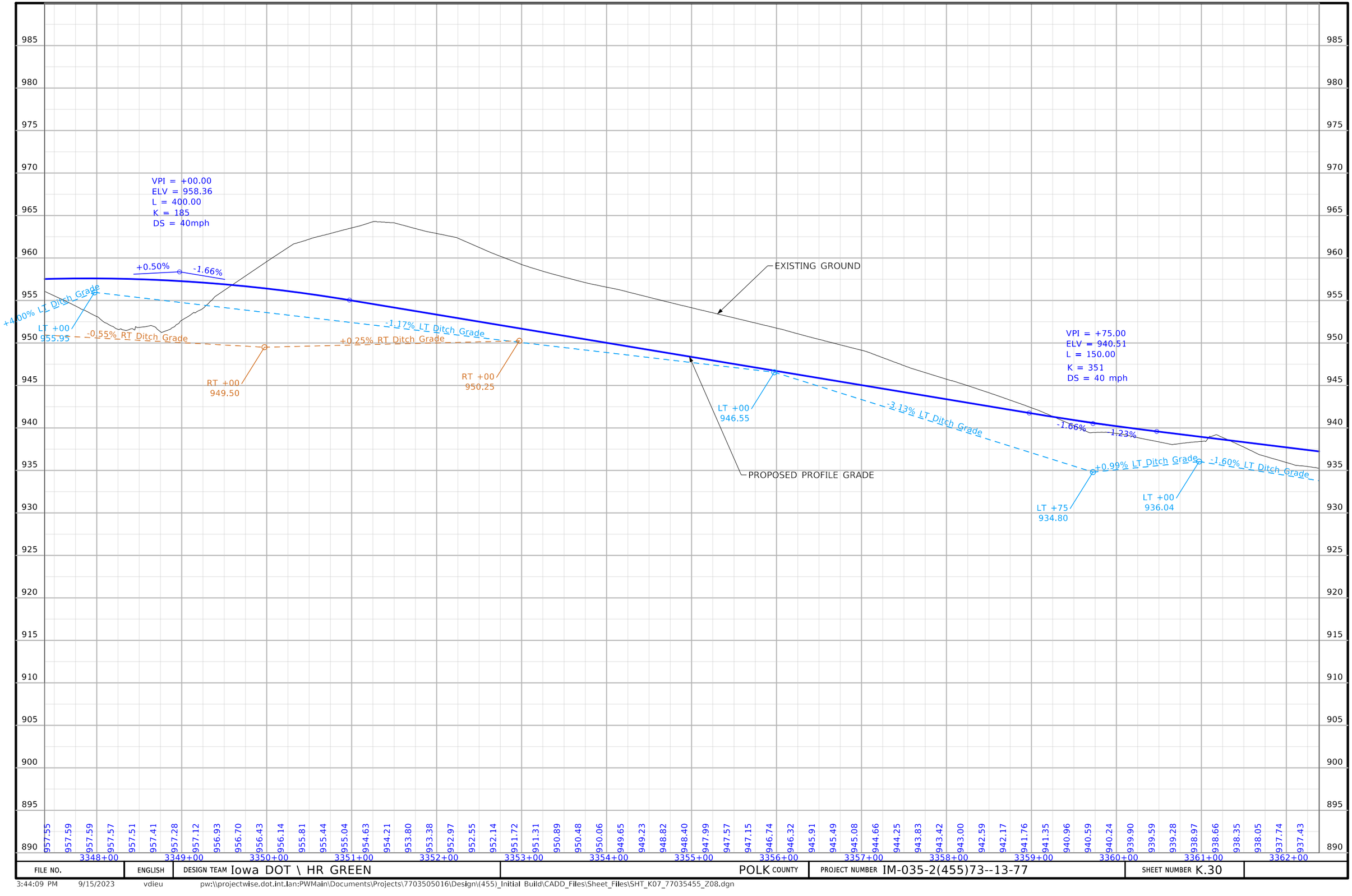

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3:44:09 PM 9/15/2023 vdieu pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_K07_77035455_Z08.dgn

WEST DES MOINES TWP.
T-78N R-25W
SEC.06

EXISTING ROW

UNIVERSITY AVENUE

RAMP C (RPCUNV)

I-80/35 (ML8035)

3365+00

3370+00

POC Sta 3373+61.19 (RPCUNV)
POT Sta 372+39.99, 276.98' LT (ML8035)

TIE-IN
STA 3373+61.19

PI Sta 3373+16.63
Δ = 19°31'58" (LT)
D = 21°42'11"
T = 45.44'
L = 90.00'
R = 264.00'
E = 3.88'
e = 6.0%
L = 137
x = 46
DS = 30 mph

PI Sta 3364+84.84
Δ = 04°05'10" (LT)
D = 01°25'57"
T = 142.69'
L = 285.25'
R = 4000.00'
E = 2.54'
e = NC
DS = 40 mph

PI Sta 3368+35.14
Δ = 01°02'36" (LT)
D = 00°15'04"
T = 207.73'
L = 415.45'
R = 22815.27'
E = 0.95'
e = NC
DS = 40 mph

PI Sta 3371+65.68
Δ = 52°19'43" (LT)
D = 22°55'06"
T = 122.82'
L = 228.33'
R = 250.00'
E = 28.54'
e = 6.0%
L = 137
x = 46
DS = 30 mph

0 50
FEET

University Avenue
Ramp C
(RPCUNV)

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER K.31

3:44:29 PM 9/15/2023 vdieu pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_K07_77035455_Z08.dgn

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PROPOSED PROFILE GRADE

TIE-IN (RPCUNV)
Sta 3363+91.17
Elv 939.588

-1.60% LT Ditch Grade

LT +91
931.38

EXISTING GROUND

PROPOSED PROFILE GRADE

TIE-IN (RPCUNV)
Sta 3371+33.45
Elv 929.92

-1.95%

+0.50%

VPI = +10.00
ELV = 928.43
L = 150.00
K = 61
DS = 30 mph

TIE-IN (RPCUNV)
Sta 3373+61.19
Elv 929.19

975 970 965 960 955 950 945 940 935 930 925 920 915 910 905 900 895 890 885 880

937.12 936.81 936.50 936.20 935.89 935.58 935.38 929.92 929.62 929.24 928.97 928.80 928.73 928.76 928.88 929.01 929.13

3363+00 3364+00 3365+00 3366+00 3367+00 3368+00 3369+00 3370+00 3371+00 3372+00 3373+00

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER K.32

3:44:30 PM 9/15/2023 vdieu pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_K07_77035455_Z08.dgn

WEST DES MOINES TWP.
T-78N R-25W
SEC.05

Sta. 1345+06.65
36" X 129.9' RCP
D.A. = 1.96 Ac

EXISTING 50TH RAMP A

EXISTING I-80/35 RAMP A

EXISTING ROW

I-235 (ML235)

RAMP F (RPF8035)

EXISTING 50TH RAMP D

RAMP D (RPD50)

50TH ST

EXISTING ROW

STA 4551+29.86
BEGIN CONSTRUCTION

POC Sta 4551+29.86 (RPD50)
POT Sta 1315+31.04, 127.37' RT (ML235)

Sta. 1347+78.92
Skew = 12°00' Lt. Ahd.
30" X 167' RCP
D.A. = 12.84 Ac

Δ = 06°22'32.91" (RT)
T = 150.38
L = 300.45
R = 2700.00
E = 4.18
e = 2.8
L = 67
x = 48
DS = 40 mph

4555+00

0 50
FEET

50th Street Ramp D (RPD50)

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER K.33	

3:45:20 PM 9/15/2023 vdieu pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_K08_77035455_Z08.dgn

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TIE-IN
Sta 4551+29.86
Elv 971.08

EXISTING GROUND

PROPOSED PROFILE GRADE

-1.60%

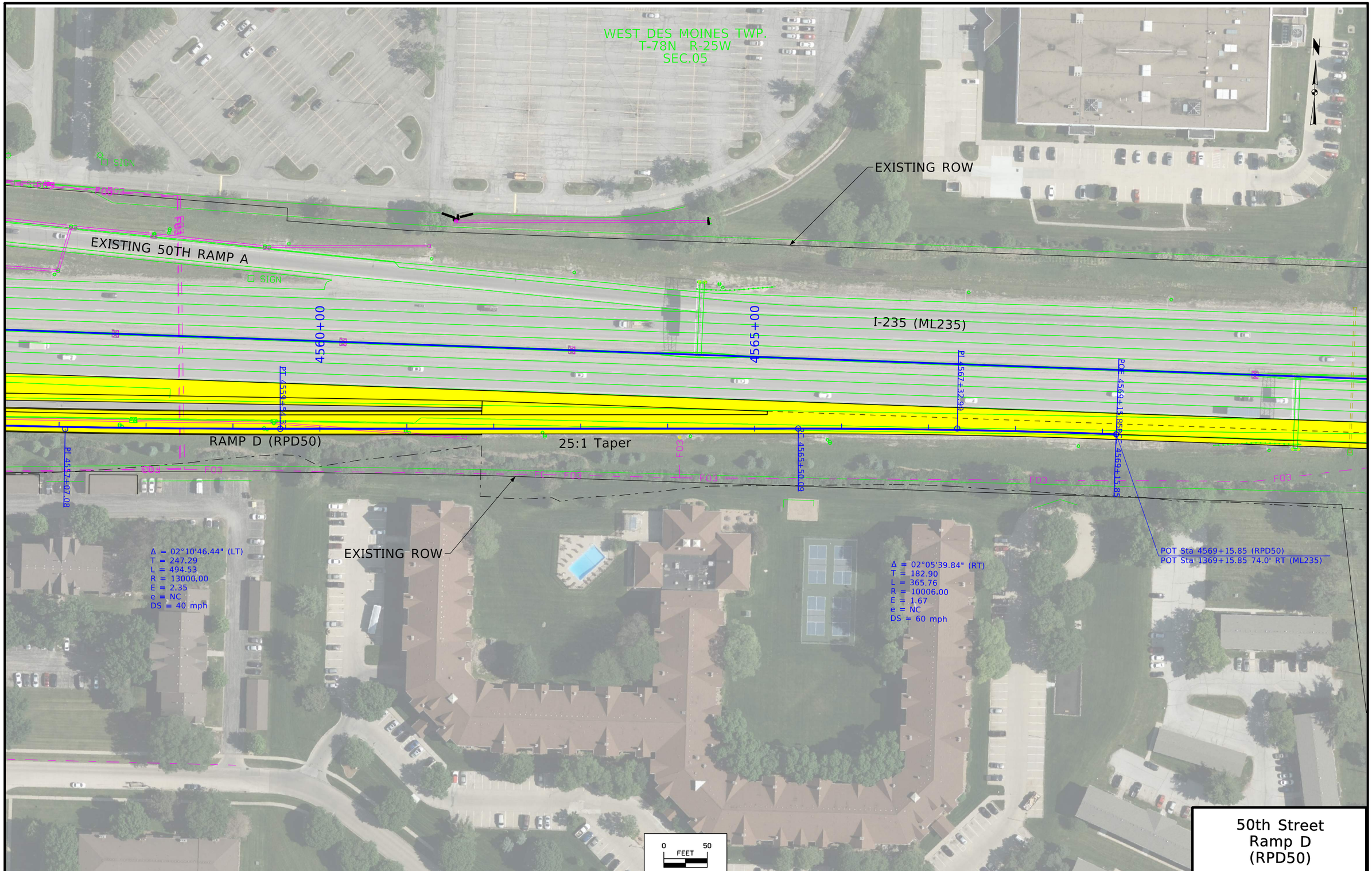
+1.07%

VPI = +25.00
ELV = 967.96
L = 350.00
K = 131
DS = 40 mph

970.76 970.38 970.05 969.77 969.54 969.35 969.22 969.13 969.08 969.09 969.14 969.24 969.39 969.59 969.83 970.10 970.37 970.64 970.90 971.17 971.44 971.71 971.97 972.24 972.51 972.78 973.05 973.31 973.58 973.85 974.12 974.38 974.65

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER K.34

3:45:21 PM 9/15/2023 vdieu pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_K08_77035455_Z08.dgn



50th Street
Ramp D
(RPD50)

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER K.35

3:45:39 PM 9/15/2023 vdieu pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_K08_77035455_Z08.dgn

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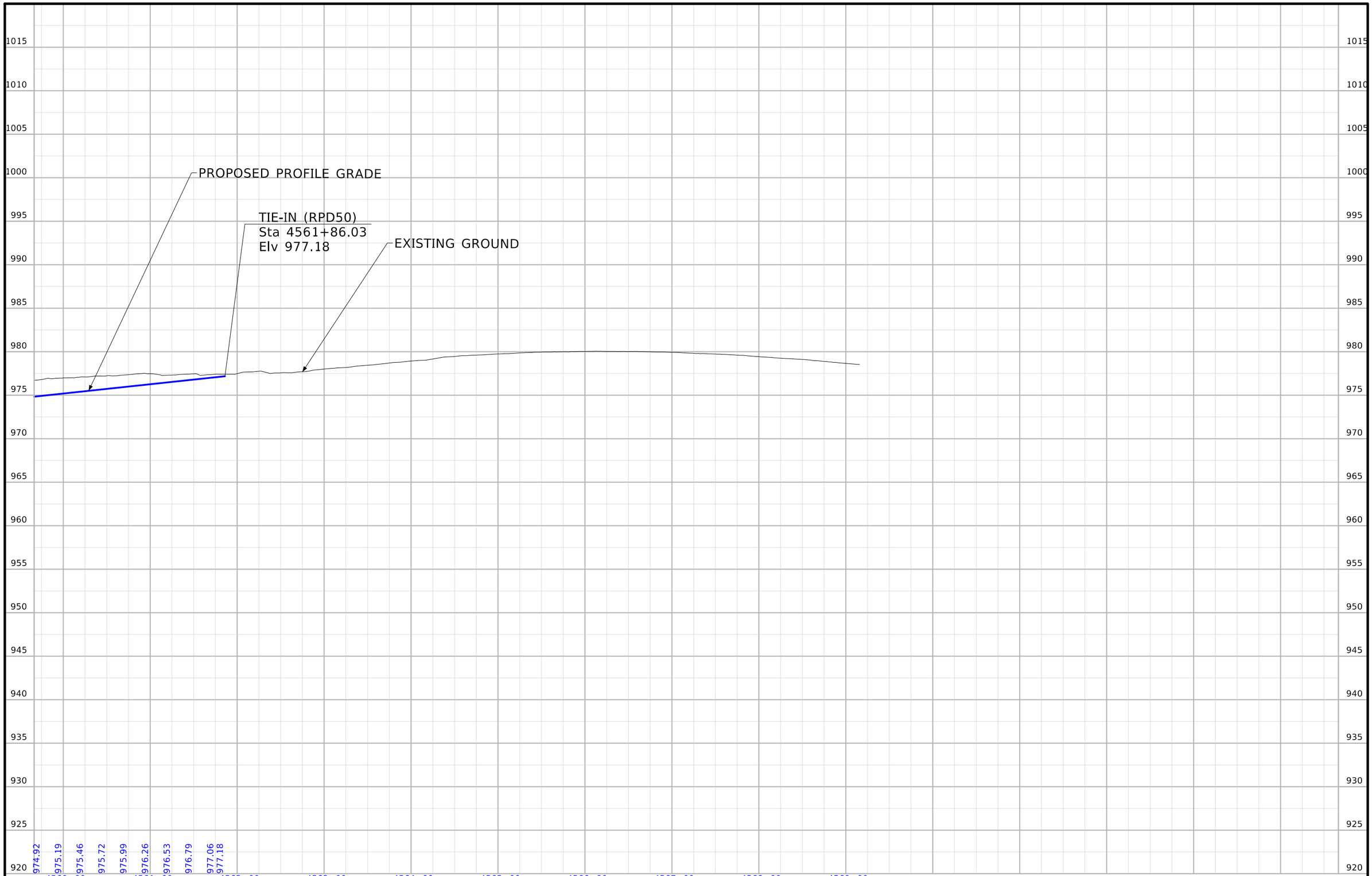

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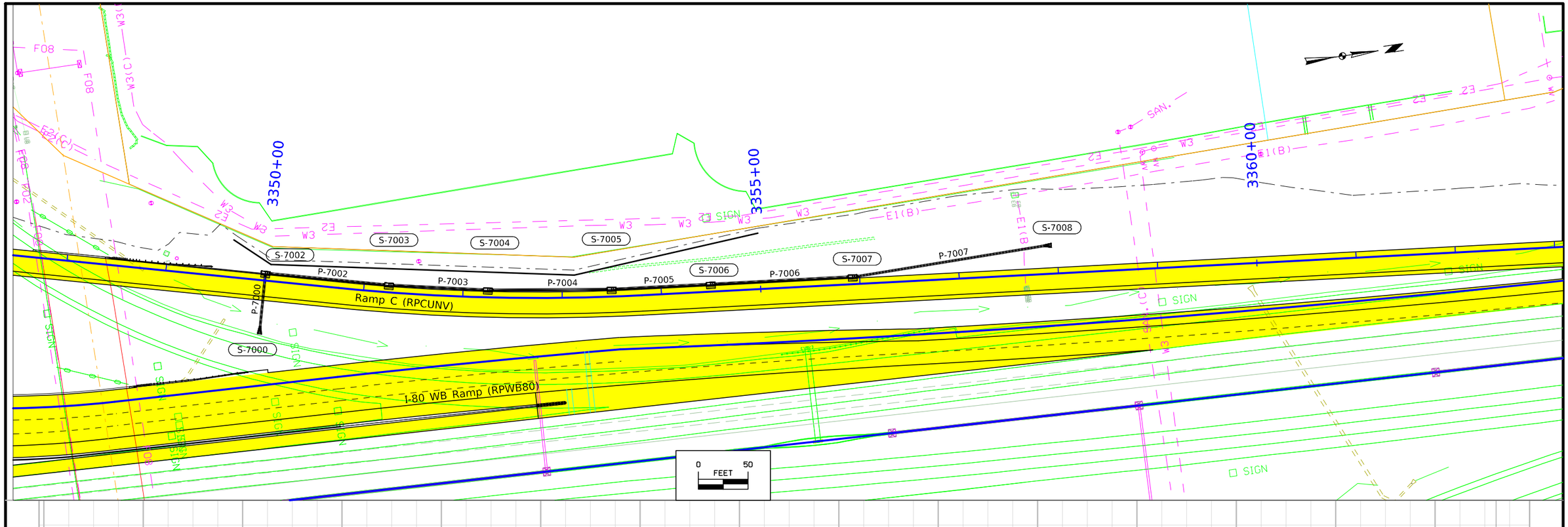
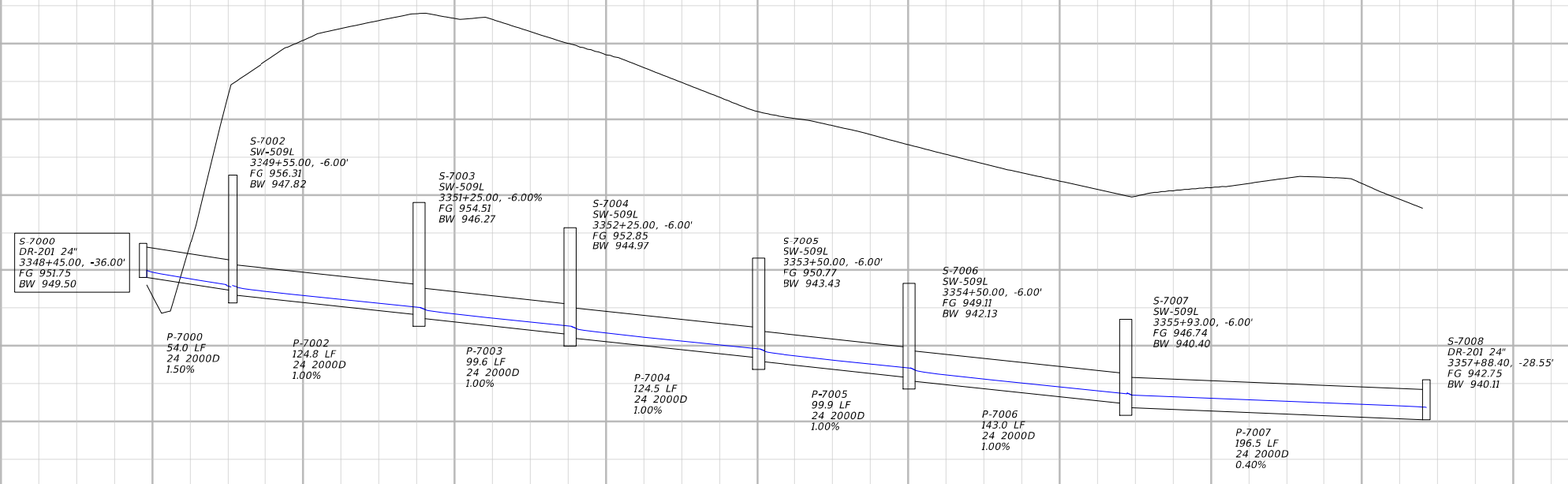
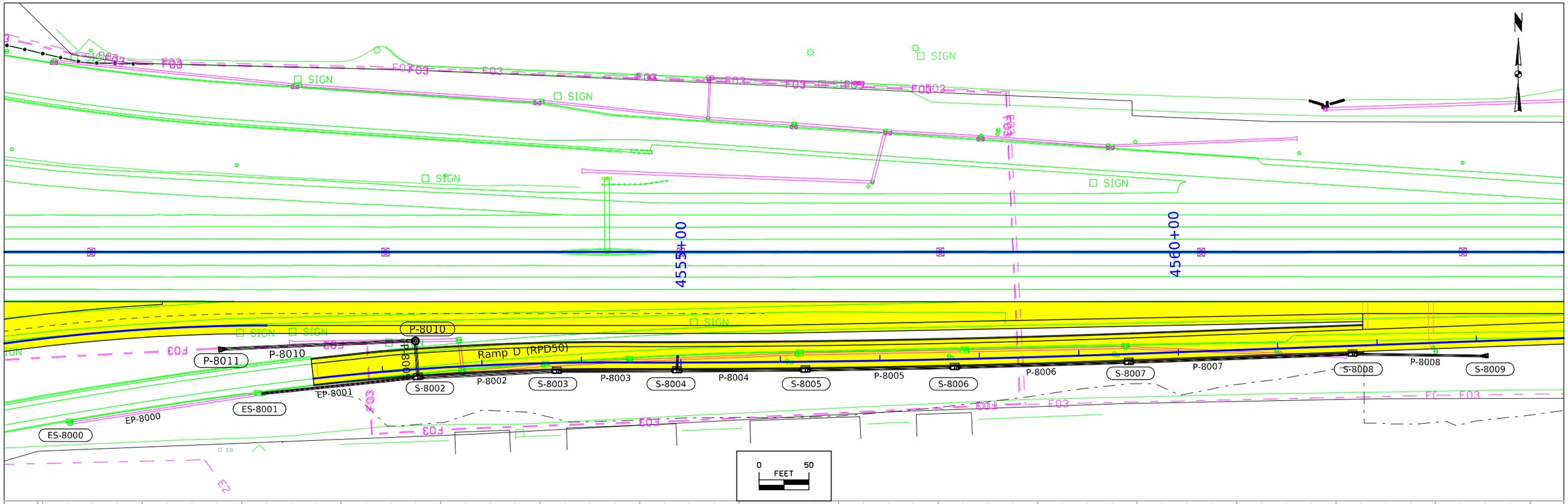




FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER M.1

5:12:34 PM 9/15/2023 rtyrrel pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_M01_77035455_Z08



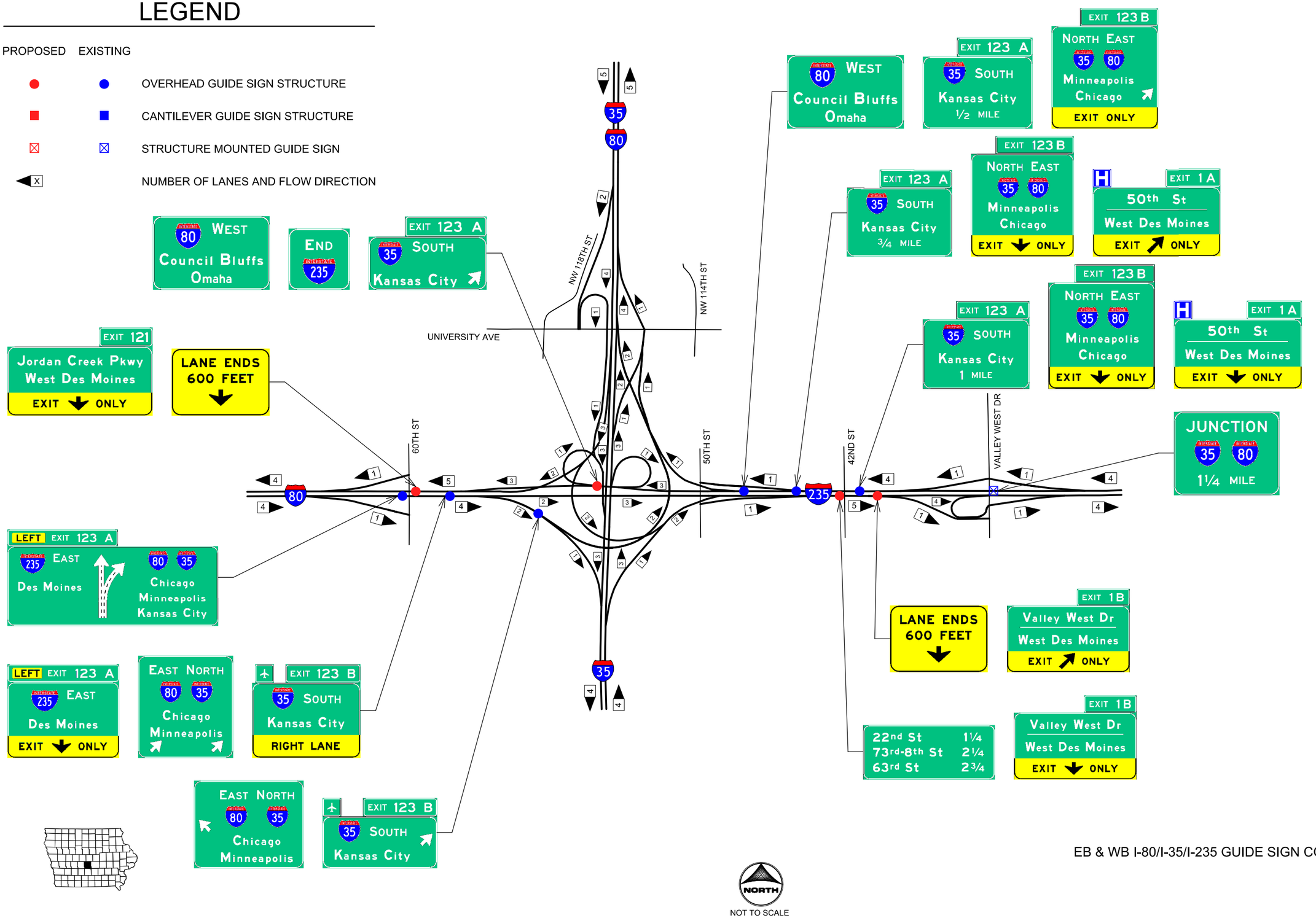
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER M.2	

5:12:39 PM 9/15/2023 rtyrrel pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_M01_77035455_Z08

LEGEND

PROPOSED EXISTING

- OVERHEAD GUIDE SIGN STRUCTURE
- CANTILEVER GUIDE SIGN STRUCTURE
- STRUCTURE MOUNTED GUIDE SIGN
- NUMBER OF LANES AND FLOW DIRECTION

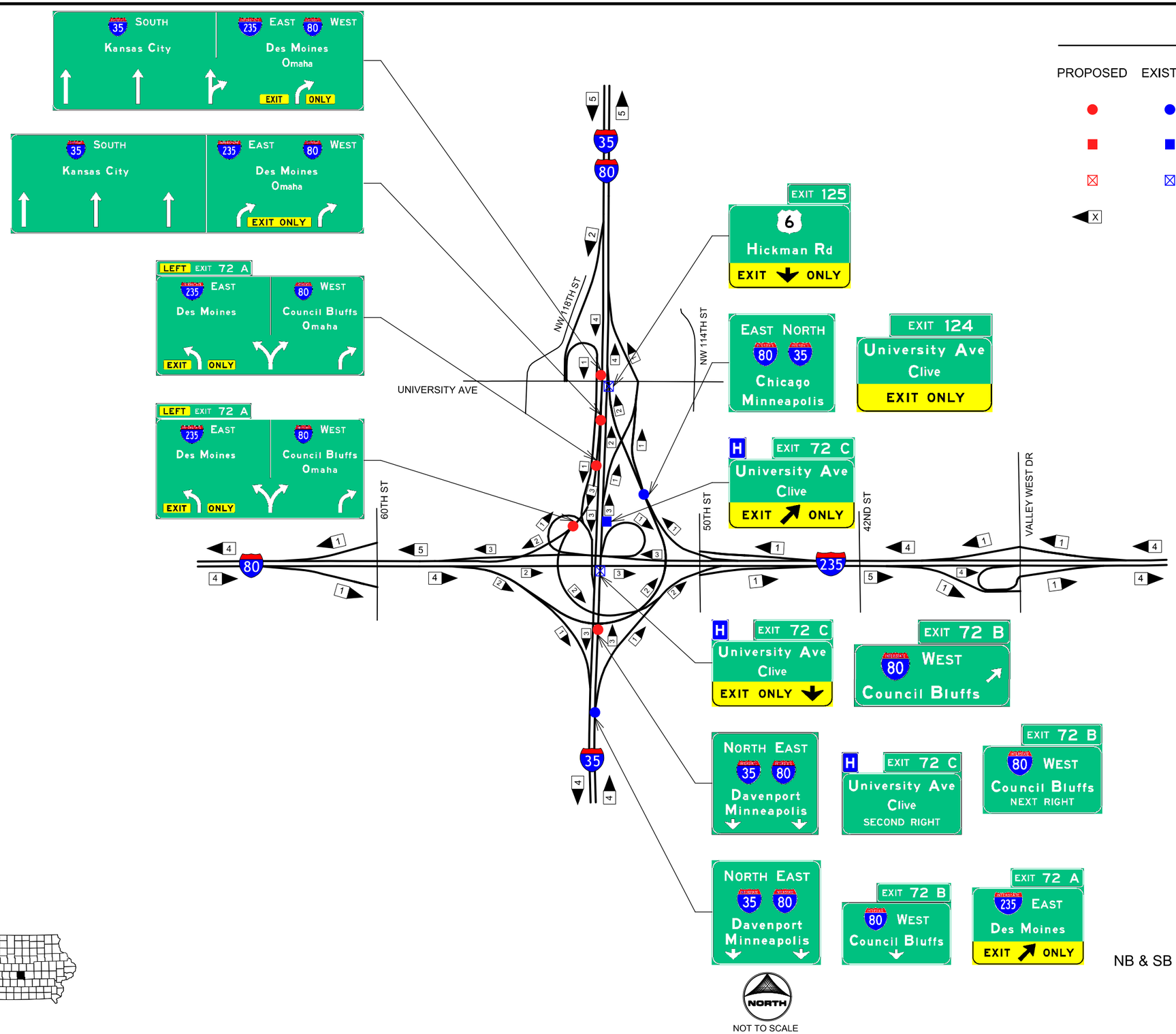


NOT TO SCALE

EB & WB I-80/I-35/I-235 GUIDE SIGN CONCEPT

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER N.1

7:46:15 PM 9/14/2023 jverry pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\TrafficAndSafety\TrafficEngineering\HR_GREEN\Signing\SHT_N01_77035455_Z08



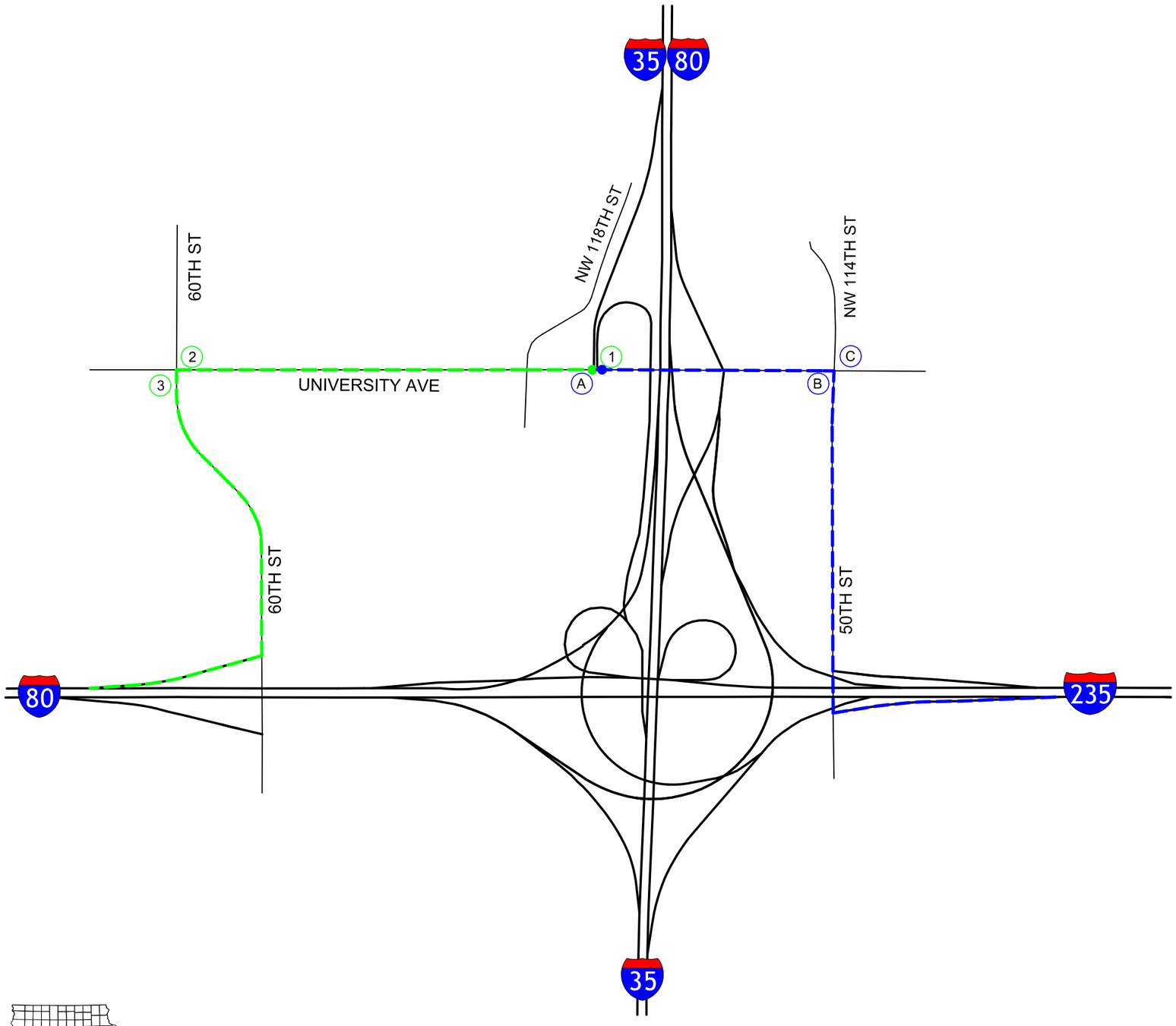
LEGEND

PROPOSED	EXISTING	
●	●	OVERHEAD GUIDE SIGN STRUCTURE
■	■	CANTILEVER GUIDE SIGN STRUCTURE
☒	☒	STRUCTURE MOUNTED GUIDE SIGN
◀X		NUMBER OF LANES AND FLOW DIRECTION

NB & SB I-80/I-35/I-235 GUIDE SIGN CONCEPT

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER N.2

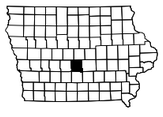
7:46:18 PM 9/14/2023 jverry pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\TrafficAndSafety\TrafficEngineering\HR_GREEN\Signing\SHT_N01_77035455_Z08



LEGEND

1 GUIDE SIGN TO PROVIDE GUIDANCE TO WB I-80 DESTINATION TRAFFIC

A GUIDE SIGN TO PROVIDE GUIDANCE TO EB I-235 DESTINATION TRAFFIC

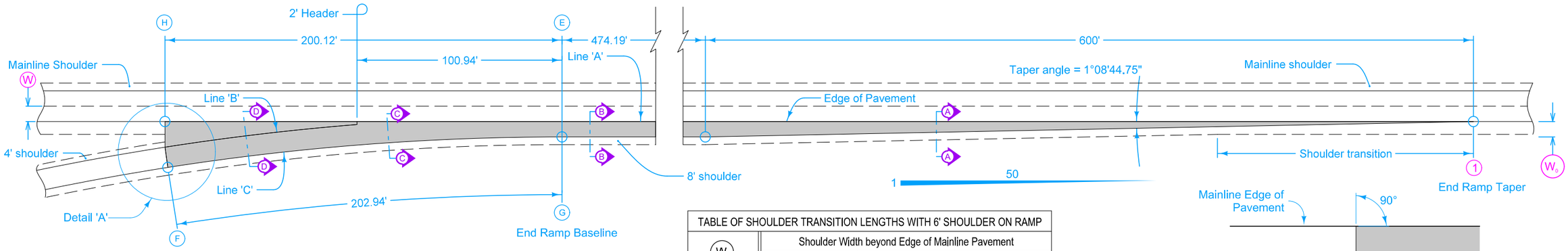


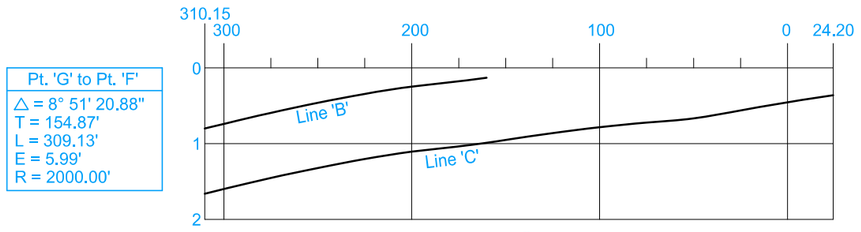
NOT TO SCALE

UNIVERSITY AVENUE GUIDE SIGN CONCEPT

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER N.3

7:46:19 PM 9/14/2023 jverry pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\TrafficAndSafety\TrafficEngineering\HR_GREEN\Signing\SHT_N01_77035455_Z08





Pt. 'G' to Pt. 'F'
△ = 8° 51' 20.88"
T = 154.87'
L = 309.13'
E = 5.99'
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%

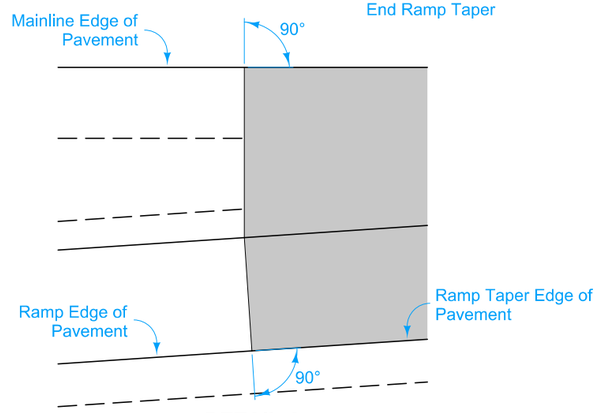
TABLE OF SHOULDER TRANSITION LENGTHS WITH 6' SHOULDER ON RAMP			
W_0	Shoulder Width beyond Edge of Mainline Pavement		
	8'	10'	12'
12'	NA	100'	150'

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.

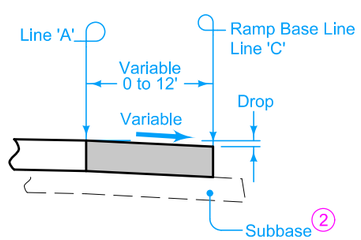
(2) Construct subbase for ramp exit pavement the same thickness as mainline subbase.



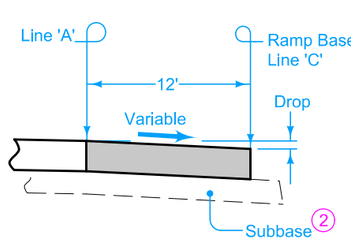
DETAIL A

TABLE OF OFFSETS AND DROPS FOR 16' RAMP TAPER																																						
DISTANCE FROM POINT (E)	ALONG LINE 'A' (Ft.)	200.12	200	175	150	125	100.94	100	75	50'	25	0	25	79.2	100	125	150	175	200	233.09	386.19	400	425	450	474.19	475	500	525	550	575	600	700	800	900	1000	1000.7
From Line 'A' To Line 'B'	OFFSET (Ft.)	20.00	19.97	14.25	9.35	5.23	2.00																													
	SLOPE (%)	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00																													
	DROP (Ft.)	-0.40	-0.40	-0.29	-0.19	-0.10	-0.04																													
From Line 'B' To Line 'C'	OFFSET (Ft.)	16.00	16.00	16.00	16.00	16.00	16.00																													
	SLOPE (%)	1.20	1.20	0.39	-0.42	-1.22	-2.00																													
	DROP (Ft.)	0.19	0.19	0.06	-0.07	-0.20	-0.32																													
From Line 'A' To Line 'C'	OFFSET (Ft.)							18.00	15.37	13.49	12.37	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	11.98	11.92	11.81	11.67	11.48	10.30	8.45	5.93	2.77	0.00
	SLOPE (%)							-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-1.42	-0.73	-0.03	0.66	1.36	2.00	2.00	2.34	2.97	3.60	4.30	4.22	4.85	5.47	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
	DROP (Ft.)	-0.21	-0.21	-0.22	-0.25	-0.30	-0.36	-0.36	-0.31	-0.27	-0.25	-0.24	-0.24	-0.24	-0.17	-0.09	0.00	0.08	0.16	0.24	0.24	0.28	0.36	0.43	0.52	0.51	0.58	0.65	0.71	0.70	0.69	0.62	0.51	0.36	0.17	0.00
DISTANCE FROM POINT (G)	ALONG LINE 'C' (Ft.)	202.94	202.82	176.68	150.86	125.32	102.84	101.88	76.26	50.76	25.36	0.00																								

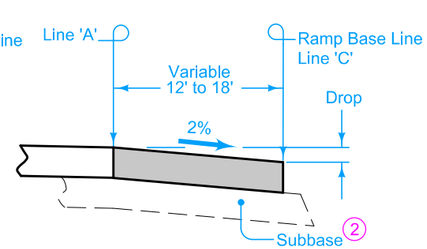
(H) (E) (1) (F) (G)



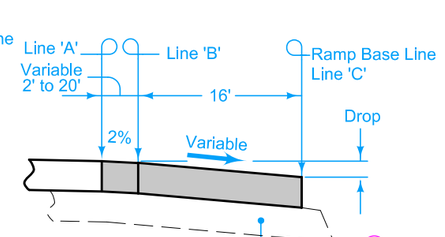
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

MODIFIED

ROAD DESIGN DETAIL

REVISION	
3	04-20-21

533-02

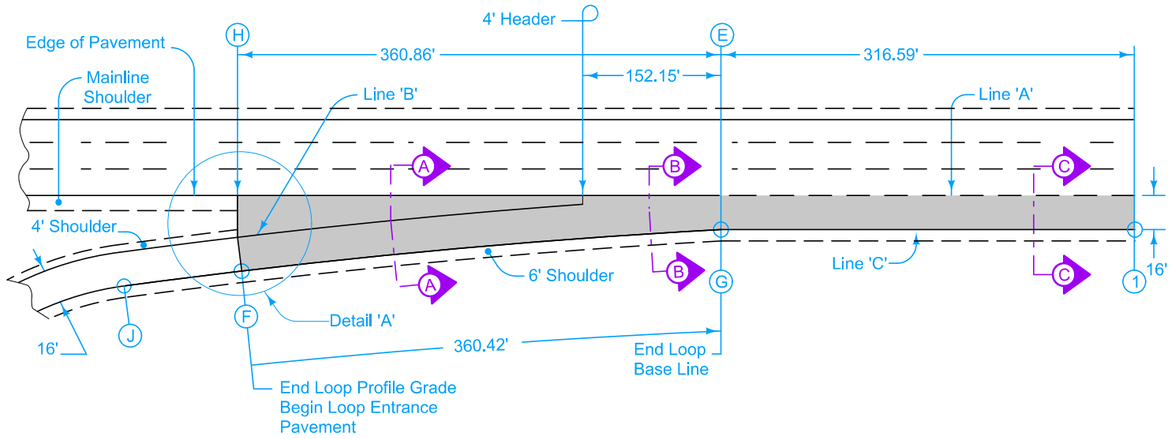
SHEET 1 of 1

REVISIONS: Non-standard gore geometry at RPD8035

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

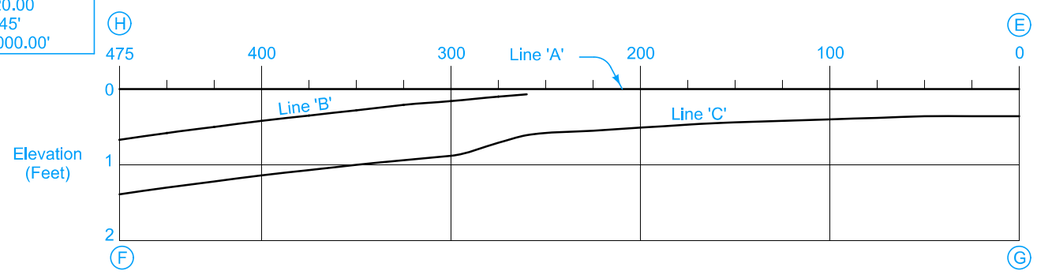
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER U.1

11:42:48 AM 9/15/2023 acrump pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_U01_77035455.dgn



PLAN

Pt. 'J' to Pt. 'G'
△ = 7° 26' 54.43"
T = 260.37'
L = 520.00
E = 8.45'
R = 4000.00'



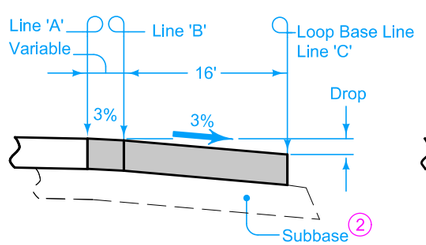
NOTE: The algebraic difference between profile grade for Loop Base Line at (F) and relative profile grade of Mainline at (H) is 0.36%.

PROFILE

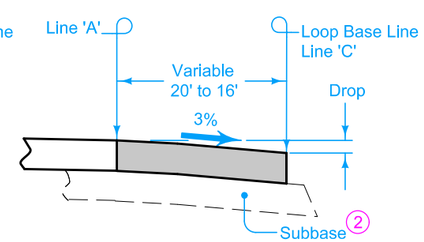
TABLE OF OFFSETS AND DROPS FOR 18' LOOP TAPER																		
Distance From Point (E) Along Line 'A' (Ft.)		360.86	350	325	300	275	250	225	200	175	152.15	150	125	100	75	50	25	0
From Line 'A' To Line 'B'	Offset (Ft.)	22.18	20.93	18.16	15.56	13.11	10.83	8.77	6.93	5.30	4.00							
	Slope (%)	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00							
	Drop (Ft.)	0.67	0.63	0.54	0.47	0.39	0.32	0.26	0.21	0.16	0.12							
From Line 'B' To Line 'C'	Offset (Ft.)	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00							
	Slope (%)	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00							
	Drop (Ft.)	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48							
From Line 'A' To Line 'C'	Offset (Ft.)											19.89	18.70	17.73	16.97	16.43	16.11	16.00
	Slope (%)											3.00	3.00	3.00	3.00	3.00	3.00	3.00
	Drop (Ft.)	1.15	1.11	1.02	0.95	0.87	0.80	0.74	0.69	0.64	0.60	0.60	0.56	0.53	0.51	0.49	0.48	0.48
Distance From Point (G) Along Line 'C' (Ft.)		360.42	349.53	324.48	299.45	274.43	249.40	224.39	199.41	174.44	151.42	149.49	124.55	99.62	74.71	49.80	24.90	0.00

(H) (F) (E) (G)

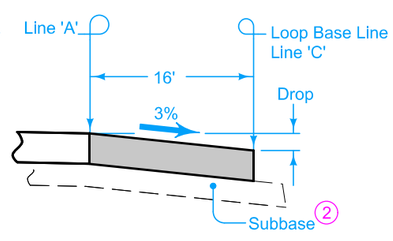
NOTE: From (G) to (P) cross-slope between Line 'A' and Line 'C' is a constant 3%.



SECTION A-A



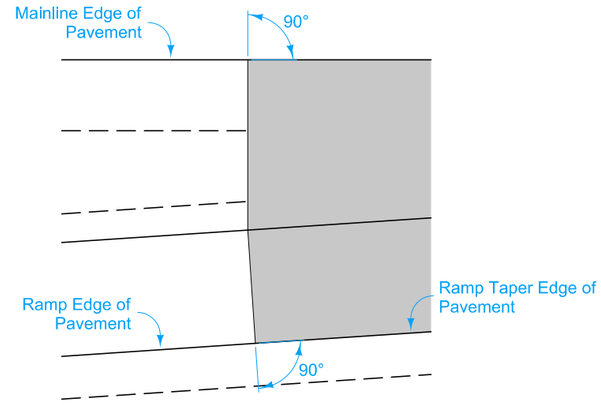
SECTION B-B



SECTION C-C

TABLE OF SHOULDER TRANSITION LENGTHS			
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.



DETAIL A

Construct loop entrance pavement the same thickness as mainline pavement.

Loop entrance pavement shown by shaded area is 1329 square yards.

For joint details, 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.

MODIFIED

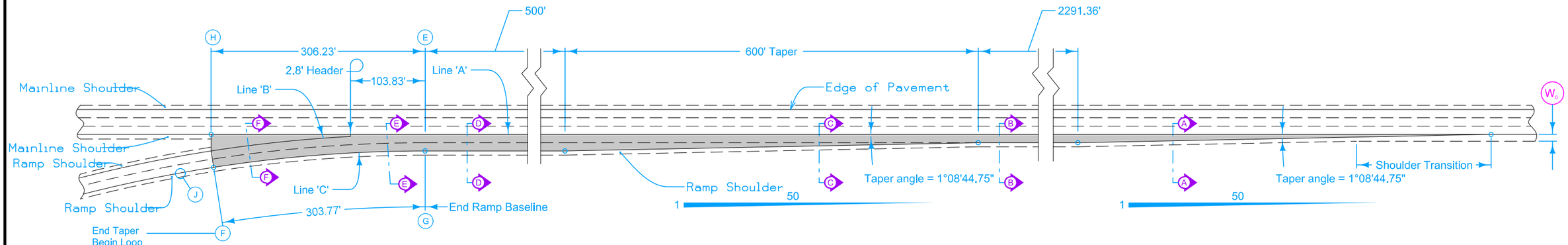
MODIFICATIONS: Non-standard gore geometry at RPE8035

PARALLEL ACCELERATION TAPER FOR 16' ENTRANCE LOOP

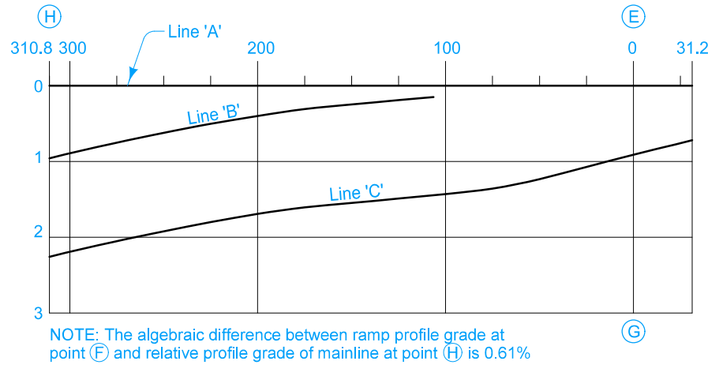
PV-414

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER U.2

11:42:50 AM 9/15/2023 acrump pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_U01_77035455.dgn



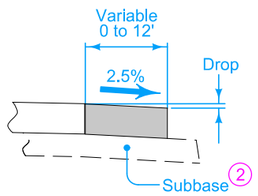
Pt. 'G' to Pt. 'J'
△ = 09°31'13.98"
T = 166.55'
L = 332.33'
E = 6.92'
R = 2000.00'



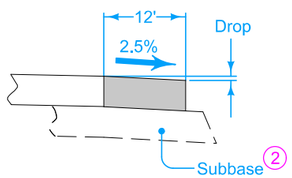
NOTE: The algebraic difference between ramp profile grade at point (F) and relative profile grade of mainline at point (H) is 0.61%

TABLE OF OFFSETS AND DROPS FOR 16' RAMP TAPER																			
DISTANCE FROM POINT (E) ALONG LINE 'A' (Ft.)		306.23	300	275	250	225	200	175	150	125	101.8	100	75	69.6	50	25	0	25	42.4
From Line 'A' To Line 'B'	OFFSET (Ft.)	23.90	22.94	19.25	15.90	12.87	10.16	7.78	5.71	3.96	2.80								
	SLOPE (%)	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.62	5.28	5.80								
	DROP (Ft.)	0.96	0.92	0.77	0.64	0.51	0.41	0.31	0.26	0.21	0.16								
From Line 'B' To Line 'C'	OFFSET (Ft.)	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00								
	SLOPE (%)	5.80	5.80	5.80	5.80	5.80	5.80	5.80	5.80	5.80	5.80								
	DROP (Ft.)	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39								
From Line 'A' To Line 'C'	OFFSET (Ft.)											26.54	25.43	25.22	24.63	24.16	24.00	24.00	24.00
	SLOPE (%)											5.80	5.80	5.80	5.31	4.69	4.06	3.44	3.00
	DROP (Ft.)	2.35	2.31	2.16	2.03	1.91	1.80	1.70	1.66	1.60	1.55	1.54	1.47	1.46	1.31	1.13	0.91	0.83	0.72
DISTANCE FROM POINT (G) ALONG LINE 'C' (Ft.)		303.77	297.54	272.58	247.67	222.79	197.95	173.14	148.36	123.60	103.88	98.86	74.14	68.77	49.43	24.73	0.00		

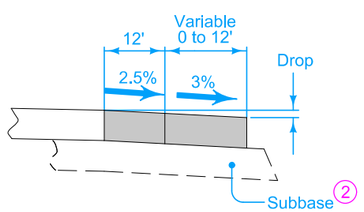
H F E G



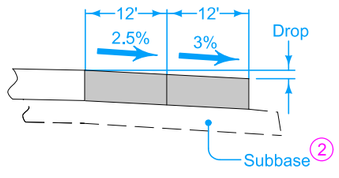
SECTION A-A



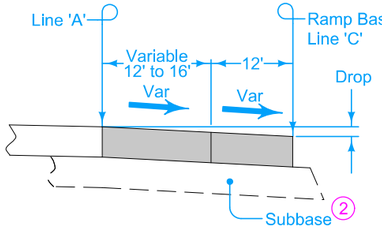
SECTION B-B



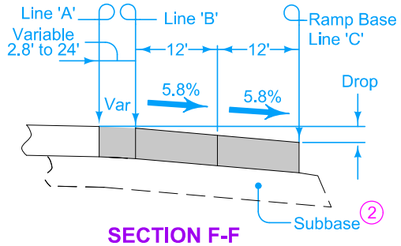
SECTION C-C



SECTION D-D



SECTION E-E



SECTION F-F

TABLE OF SHOULDER TRANSITION LENGTHS WITH 6' SHOULDER ON RAMP			
W_6	Shoulder Width beyond Edge of Mainline Pavement		
	8'	10'	12'
12'	NA	200'	300'

NOTE: W_6 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.

MODIFIED

ROAD DESIGN DETAIL

REVISION	
3	04-20-21

533-05

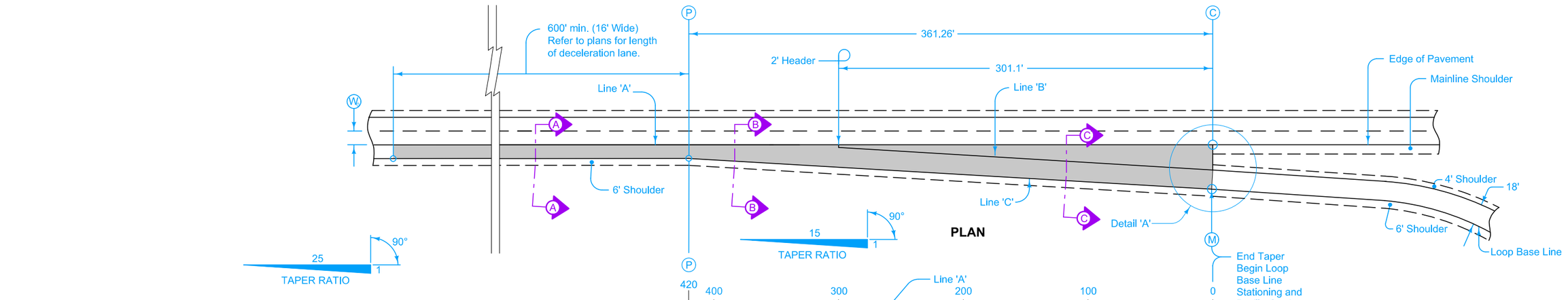
SHEET 1 of 1

REVISIONS: Non-standard gore geometry at RPF8035

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

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER U.3

11:42:51 AM 9/15/2023 acrump pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_U01_77035455.dgn

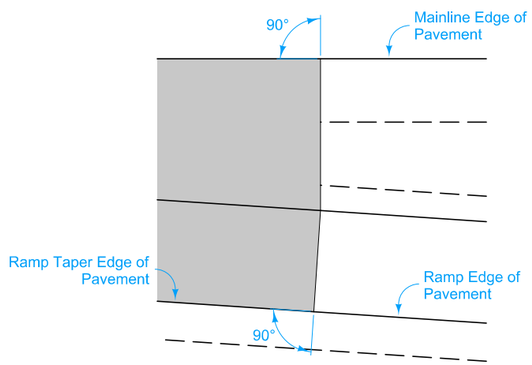


NOTE: The algebraic difference between profile grade for Loop Base Line at (M) and relative profile grade of Mainline at (C) is 0.2%.

PROFILE

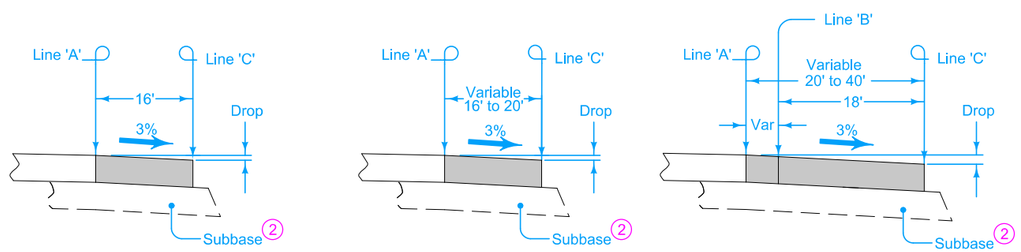
TABLE OF SHOULDER TRANSITION LENGTHS			
(W)	Shoulder Width beyond Edge of Mainline Pavement		
	8'	10'	12'
12'	NA	100'	150'

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



DETAIL 'A'

TABLE OF OFFSETS AND DROPS FOR 18' RAMP TAPER																			
DISTANCE FROM POINT (C) ALONG LINE 'A' (Ft.)		361.26	350	325	301.1	300	275	250	225	200	175	150	125	100	75	50	25	0
From Line 'A' To Line 'B'	OFFSET (Ft.)				2.00	2.07	3.73	5.39	7.05	8.71	10.37	12.03	13.70	15.36	17.02	18.68	20.34	22.00
	SLOPE (%)				3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
	DROP (Ft.)				0.06	0.06	0.11	0.16	0.21	0.26	0.31	0.36	0.41	0.46	0.51	0.56	0.61	0.66
From Line 'B' To Line 'C'	OFFSET (Ft.)				18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
	SLOPE (%)				3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
	DROP (Ft.)				0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
From Line 'A' To Line 'C'	OFFSET (Ft.)	16.00	16.71	18.41														
	SLOPE (%)	3.00	3.00	3.00														
	DROP (Ft.)	0.48	0.50	0.55	0.60	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
DISTANCE FROM POINT (M) ALONG LINE 'C' (Ft.)		361.83	351.66	326.66	302.58	301.53	276.42	251.31	226.20	201.08	175.96	150.83	125.70	100.57	75.43	50.29	25.14	0



Construct Loop exit pavement the same thickness as mainline pavement.

For joint details, see PV-101.

1. For header construction details at the beginning of taper, see Typical 7101 or Typical 7102.
2. Construct subbase for ramp exit pavement the same thickness as mainline subbase.

MODIFIED

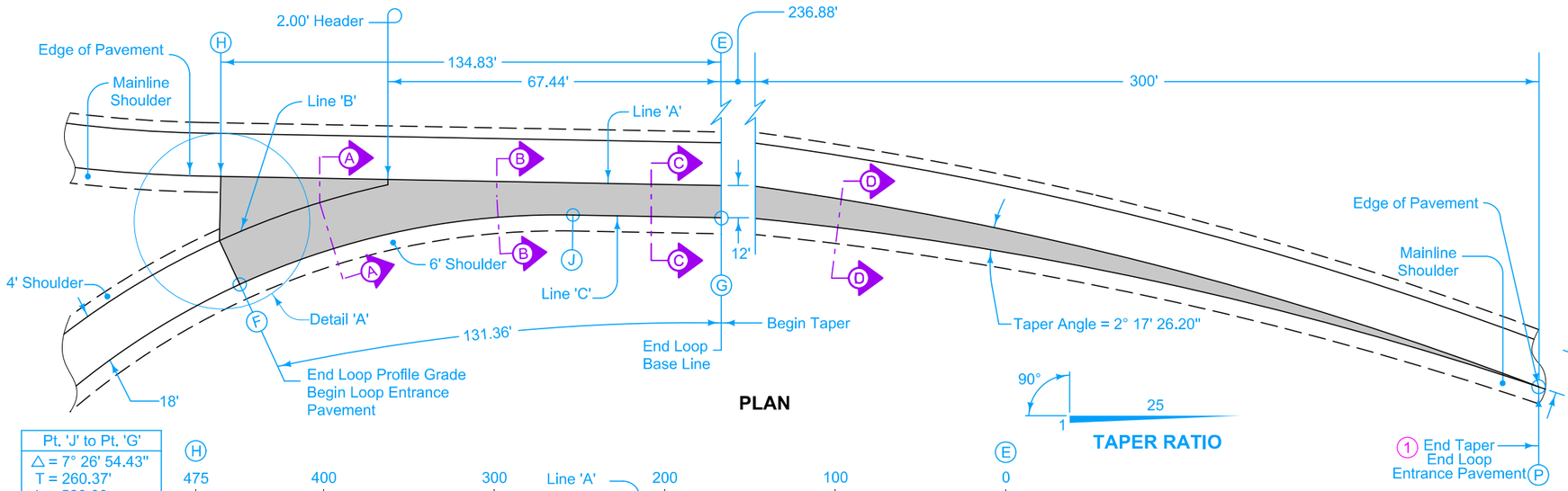
MODIFICATIONS: Non-standard gore geometry at RPG8035

PARALLEL DECELERATION TAPER FOR 18' EXIT LOOP

PV-412

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER U.4

11:42:52 AM 9/15/2023 acrump pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_U01_77035455.dgn



PLAN

TAPER RATIO

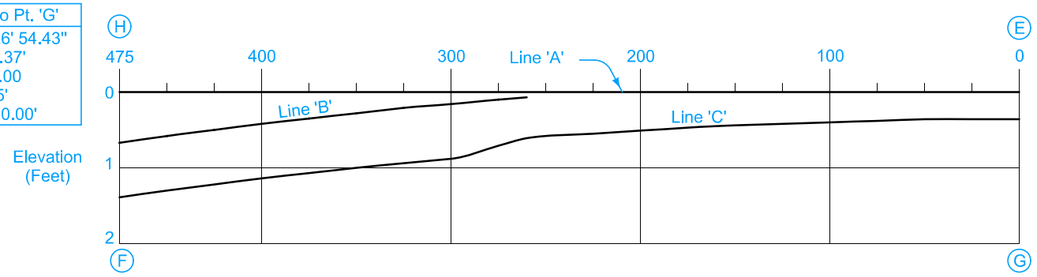
Construct loop entrance pavement the same thickness as mainline pavement.

Loop entrance pavement shown by shaded area is 1329 square yards.

For joint details, see PV-101.

1. For header construction details at the end of taper, see Typical 7101 or Typical 7102.
2. Construct subbase for loop entrance pavement the same thickness as mainline subbase.

Pt. 'J' to Pt. 'G'
△ = 7° 26' 54.43"
T = 260.37'
L = 520.00
E = 8.45'
R = 4000.00'

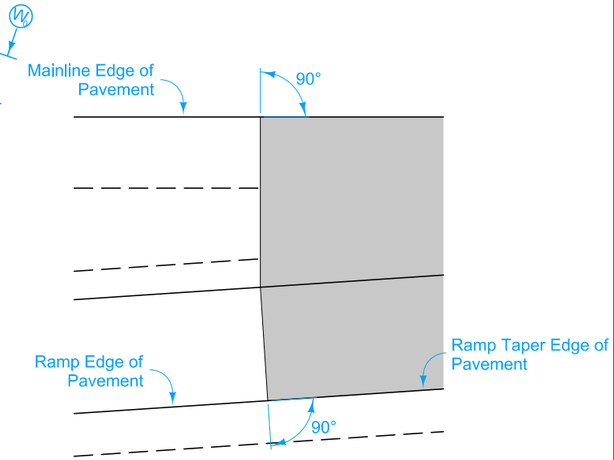


NOTE: The algebraic difference between profile grade for Loop Base Line at (F) and relative profile grade of Mainline at (H) is 0.36%.

PROFILE

TABLE OF SHOULDER TRANSITION LENGTHS			
W_o	Shoulder Width beyond Edge of Mainline Pavement		
	8'	10'	12'
12'	NA	100'	150'

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

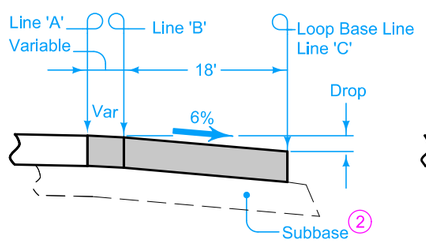


DETAIL A

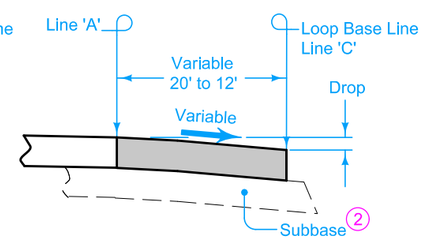
TABLE OF OFFSETS AND DROPS FOR 18' LOOP TAPER																												
Distance From Point (E) Along Line 'A' (Ft.)		134.83	125	100	75	70.88	50	25	0	25	50	150	175	200	225	236.88	250	275	300	325	350	375	400	425	450	475	500	525	536.88
From Line 'A' To Line 'B'	Offset (Ft.)	24.00	19.60	10.13	2.97	2.00																							
	Slope (%)	3.00	3.46	4.63	5.81	6.00																							
	Drop (Ft.)	0.72	0.68	0.47	0.17	0.12																							
From Line 'B' To Line 'C'	Offset (Ft.)	18.00	18.00	18.00	18.00	18.00																							
	Slope (%)	6.00	6.00	6.00	6.00	6.00																							
	Drop (Ft.)	1.08	1.08	1.08	1.08	1.08																							
From Line 'A' To Line 'C'	Offset (Ft.)						15.98	13.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	11.48	10.48	9.48	8.48	7.48	6.48	5.48	4.48	3.48	2.48	1.48	0.48	0.00
	Slope (%)						6.00	5.25	4.20	3.16	3.00	3.00	3.18	4.07	4.97	5.39	5.86	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
	Drop (Ft.)	1.80	1.76	1.55	1.25	1.20	0.96	0.68	0.50	0.38	0.36	0.36	0.38	0.49	0.60	0.65	0.67	0.63	0.57	0.51	0.45	0.39	0.33	0.27	0.21	0.15	0.09	0.03	0.00
Distance From Point (G) Along Line 'C' (Ft.)		131.36	121.19	95.97	71.43	67.44	47.67	23.90	0.00																				

(H) (E) (F) (G) (P)

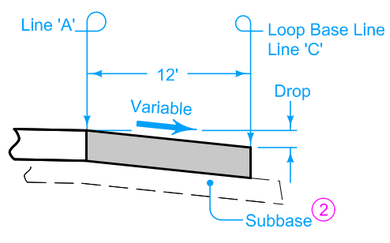
NOTE: From (G) to (P) cross-slope between Line 'A' and Line 'C' is a constant 3%.



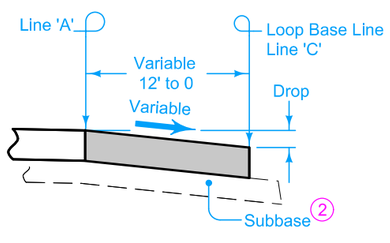
SECTION A-A



SECTION B-B



SECTION C-C



SECTION C-C

MODIFIED

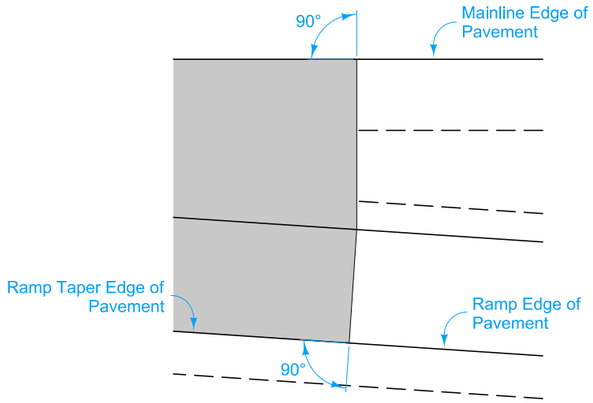
MODIFICATIONS: Non-standard gore geometry at RPG8035

ACCELERATION TAPER FOR 18' ENTRANCE LOOP

PV-414

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER U.5

11:42:53 AM 9/15/2023 acrump pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_U01_77035455.dgn



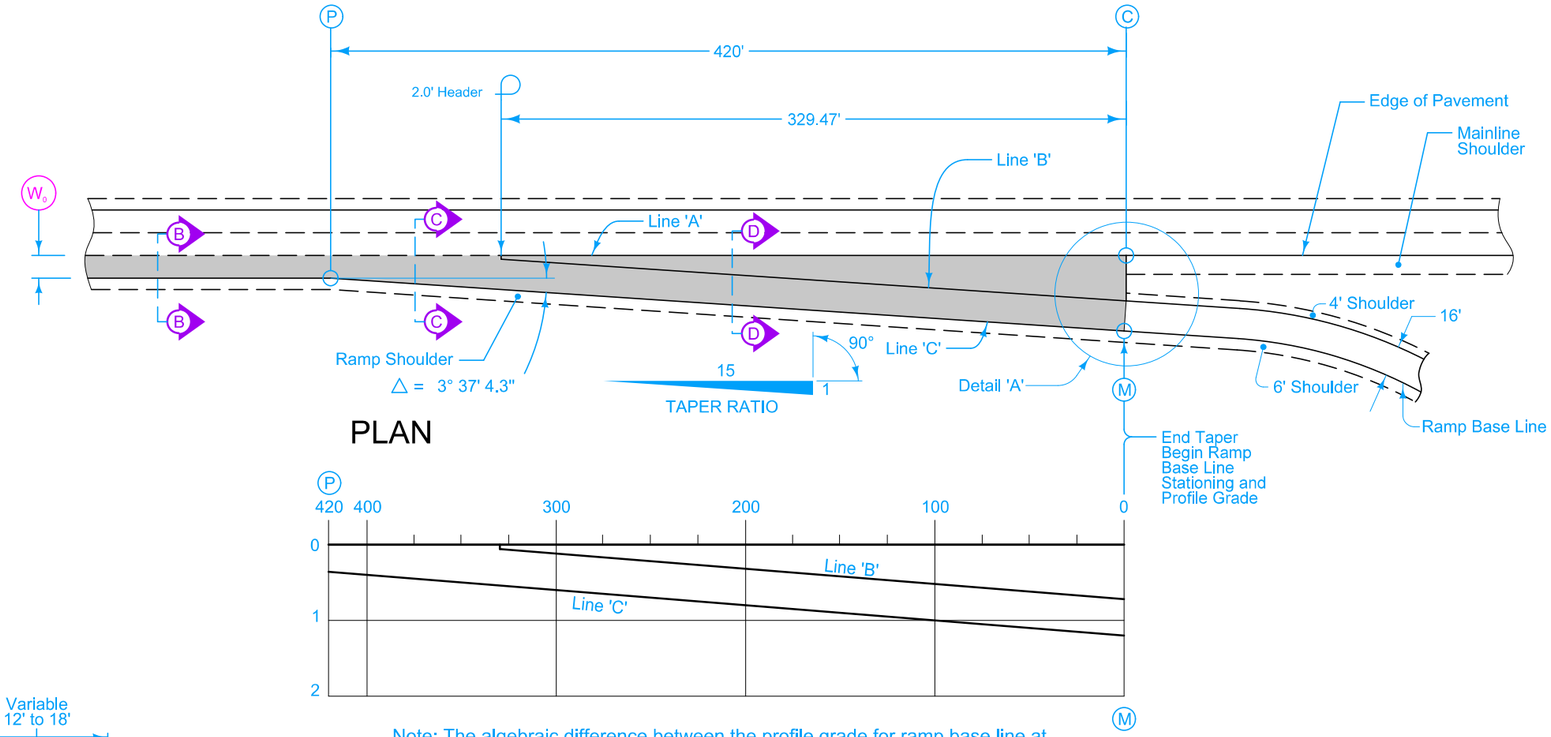
DETAIL A

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.

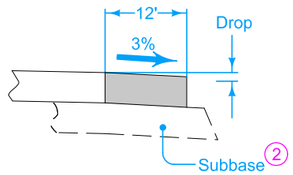
(2) Construct subbase for ramp exit pavement the same thickness as mainline subbase.



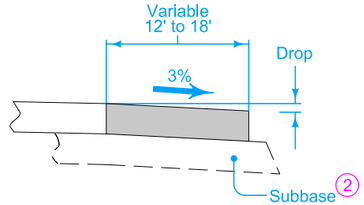
PLAN

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

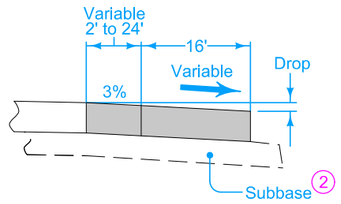
PROFILE



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.

Ⓟ Ⓒ

TABLE OF OFFSETS AND DROPS FOR 16' RAMP TAPER																					
DISTANCE FROM POINT Ⓒ ALONG LINE 'A' (Ft.)		420	400	375	350	329.47	325	300	275	250	225	200	175	150	125	100	75	50	25	0
From Line 'A' To Line 'B'	OFFSET (Ft.)					2.00	2.30	3.96	5.63	7.30	8.96	10.63	12.30	13.96	15.63	17.30	18.96	20.63	22.30	23.96
	SLOPE (%)					3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
	DROP (Ft.)					0.06	0.07	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.)					16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00
	SLOPE (%)					3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.06	3.87
	DROP (Ft.)					0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.49	0.62
From Line 'A' To Line 'C'	OFFSET (Ft.)	12.00	13.33	15.00	16.67															
	SLOPE (%)	3.00	3.00	3.00	3.00															
	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	1.16	1.34
DISTANCE FROM POINT Ⓜ ALONG LINE 'C' (Ft.)		419.87	399.82	374.77	349.71	330.20	325.72	300.67	275.61	250.55	225.50	200.44	175.39	150.33	125.28	100.22	75.17	50.11	25.06	0.00

Ⓜ

MODIFIED

ROAD DESIGN DETAIL

REVISION	
3	04-20-21

533-01

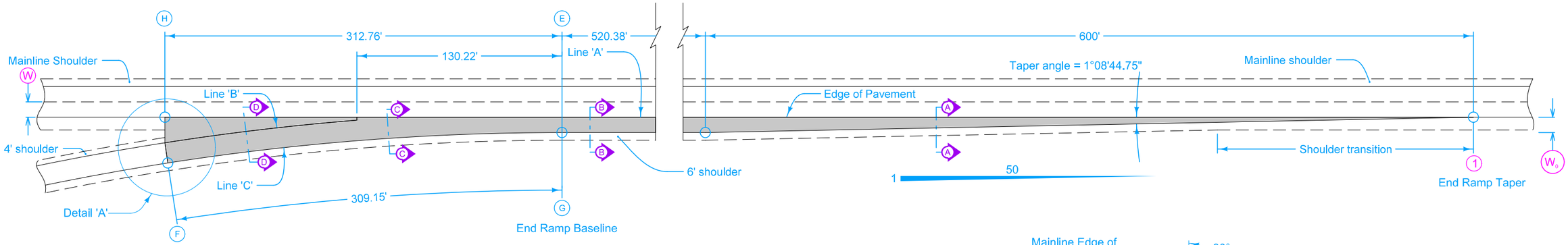
SHEET 1 of 1

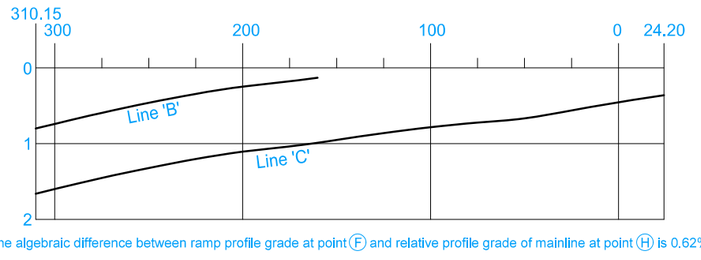
REVISIONS: Non-standard gore geometry at RPBVW

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

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER U.6

11:42:54 AM 9/15/2023 acrump pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_U01_77035455.dgn

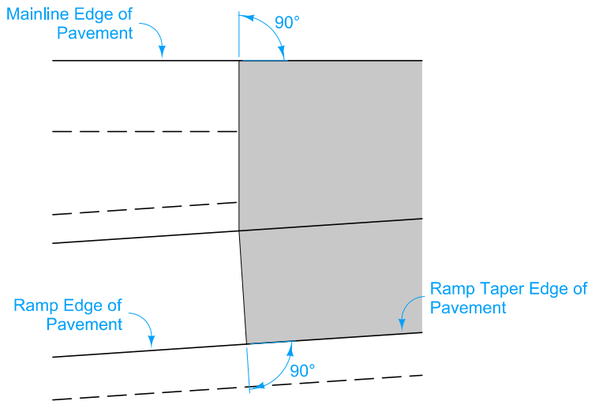




Pt. 'G' to Pt. 'F'
△ = 8° 51' 20.88"
T = 154.87'
L = 309.13'
E = 5.99'
R = 2000.00'

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

(H) (E)

TABLE OF OFFSETS AND DROPS FOR 16' RAMP TAPER																			
DISTANCE FROM POINT (E) ALONG LINE 'A' (Ft.)		312.76	300	275	250	225	200	175	150	130.22	125	100	75	50	25	0	25	50	52.7
From Line 'A' To Line 'B'	OFFSET (Ft.)	30.38	28.14	22.96	18.24	13.99	10.20	6.86	3.97	2.00									
	SLOPE (%)	4.00	4.00	4.00	4.00	4.00	4.00	4.56	5.36	6.00									
	DROP (Ft.)	1.22	1.13	0.92	0.73	0.56	0.41	0.31	0.21	0.12									
From Line 'B' To Line 'C'	OFFSET (Ft.)	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00									
	SLOPE (%)	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00									
	DROP (Ft.)	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96									
From Line 'A' To Line 'C'	OFFSET (Ft.)										17.52	15.54	13.99	12.89	12.22	12.00	12.00	12.00	12.00
	SLOPE (%)										6.00	6.00	6.00	5.81	5.01	4.20	3.39	2.59	2.50
	DROP (Ft.)	2.18	2.09	1.88	1.69	1.52	1.37	1.27	1.17	1.08	1.05	0.93	0.84	0.75	0.61	0.50	0.41	0.31	0.30
DISTANCE FROM POINT (G) ALONG LINE 'C' (Ft.)		309.15	298.88	273.63	248.48	223.40	198.40	173.47	148.58	128.93	123.62	98.98	74.29	49.55	24.78	0.00			

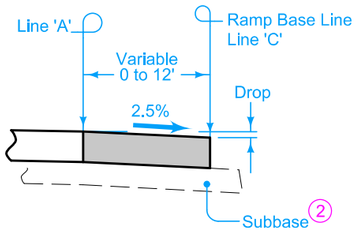
(F) (G)

Construct ramp exit pavement the same thickness as mainline pavement.

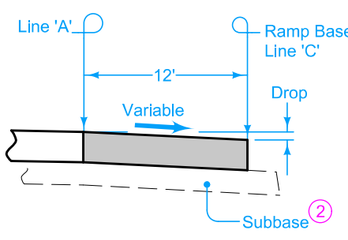
For joint detail, see PV-101.

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

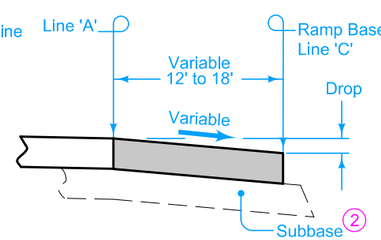
(2) Construct subbase for ramp exit pavement the same thickness as mainline subbase.



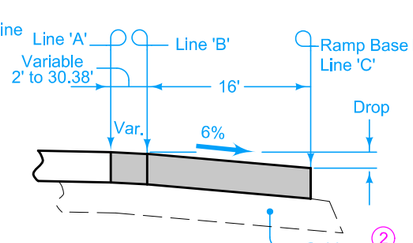
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

MODIFIED

ROAD DESIGN DETAIL

REVISION	
3	04-20-21

533-02

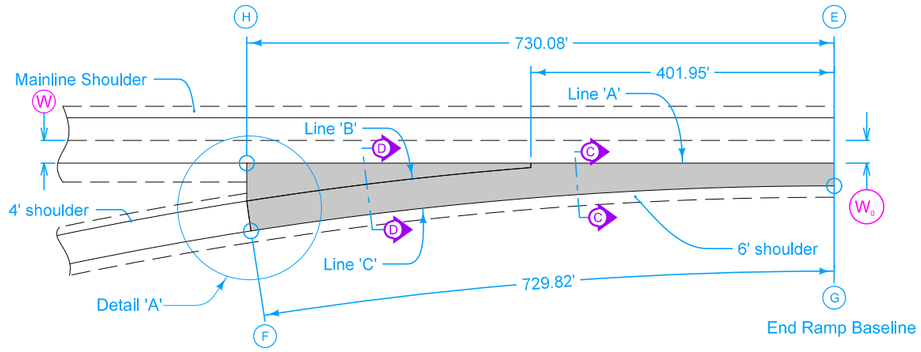
SHEET 1 of 1

REVISIONS: Non-standard gore geometry at RPCUNV

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

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER U.7

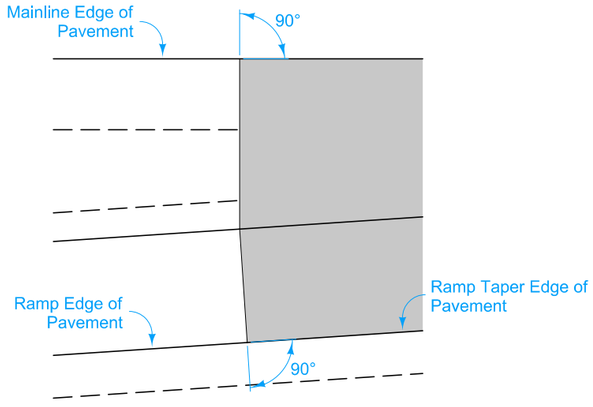
11:42:56 AM 9/15/2023 acrump pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_U01_77035455.dgn



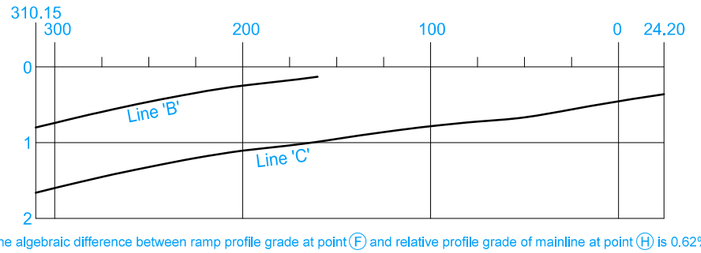
Construct ramp exit pavement the same thickness as mainline pavement.

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.



DETAIL A



Pt. 'G' to Pt. 'F'
△ = 8° 51' 20.88"
T = 154.87'
L = 309.13'
E = 5.99'
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%

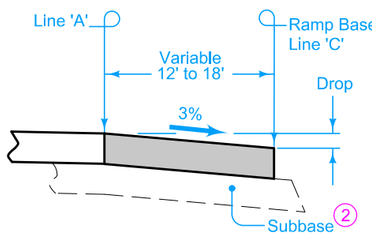
TABLE OF SHOULDER TRANSITION LENGTHS WITH 6' SHOULDER ON RAMP			
W_6	Shoulder Width beyond Edge of Mainline Pavement		
	8'	10'	12'
12'	NA	100'	150'

(H) (E)

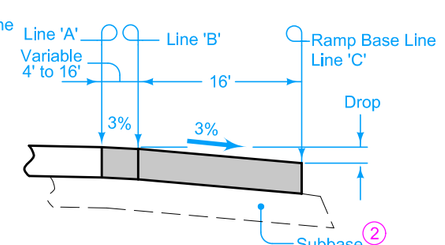
TABLE OF OFFSETS AND DROPS FOR 16' RAMP TAPER

DISTANCE FROM POINT (E) ALONG LINE 'A' (Ft.)		730.08	725	700	675	650	625	600	575	550	525	500	475	450	425	401.95	400	375	350	325	300	275	250	225	200	175	150	125	100	75	50	25	0
From Line 'A' To Line 'B'	OFFSET (Ft.)	16.00	15.81	14.90	13.99	13.07	12.16	11.24	10.33	9.41	8.50	7.59	6.67	5.76	4.84	4.00																	
	SLOPE (%)	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00																	
	DROP (Ft.)	0.48	0.47	0.45	0.42	0.39	0.36	0.34	0.31	0.28	0.26	0.23	0.20	0.17	0.15	0.12																	
From Line 'B' To Line 'C'	OFFSET (Ft.)	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00																	
	SLOPE (%)	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00																	
	DROP (Ft.)	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48																	
From Line 'A' To Line 'C'	OFFSET (Ft.)																19.93	19.01	18.11	17.21	16.49	15.77	15.12	14.53	14.00	13.53	13.12	12.78	12.50	12.28	12.12	12.03	12.00
	SLOPE (%)																3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
	DROP (Ft.)	0.96	0.95	0.93	0.90	0.87	0.84	0.82	0.79	0.76	0.74	0.71	0.68	0.65	0.63	0.60	0.60	0.57	0.54	0.52	0.49	0.47	0.45	0.44	0.42	0.41	0.39	0.38	0.38	0.37	0.36	0.36	0.36
DISTANCE FROM POINT (G) ALONG LINE 'C' (Ft.)		729.82	724.74	699.72	674.70	649.69	624.67	599.65	574.64	549.62	524.60	499.59	474.57	449.55	424.54	401.47	399.38	374.39	349.44	324.50	299.55	274.60	249.65	224.69	199.73	174.77	149.81	124.84	99.88	74.91	49.94	24.97	0.00

(F) (G)



SECTION C-C



SECTION D-D

MODIFIED

ROAD DESIGN DETAIL

REVISION	
3	04-20-21

533-02

SHEET 1 of 1

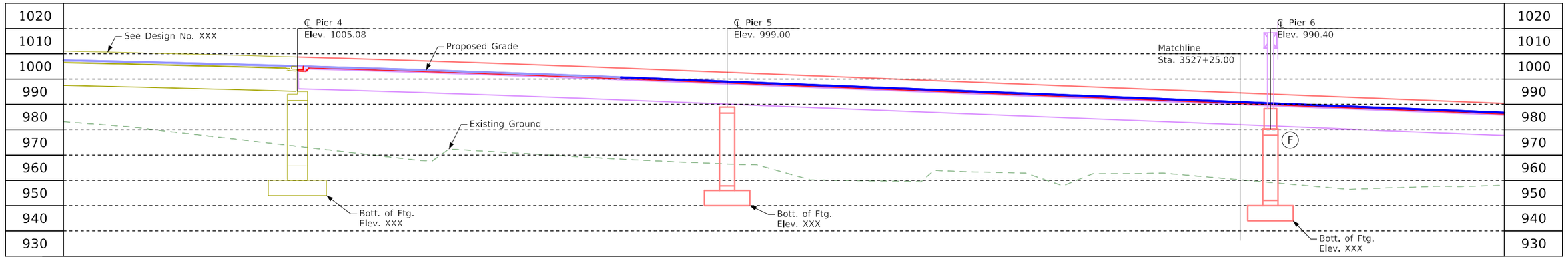
REVISIONS: Non-standard gore geometry at RPD50

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

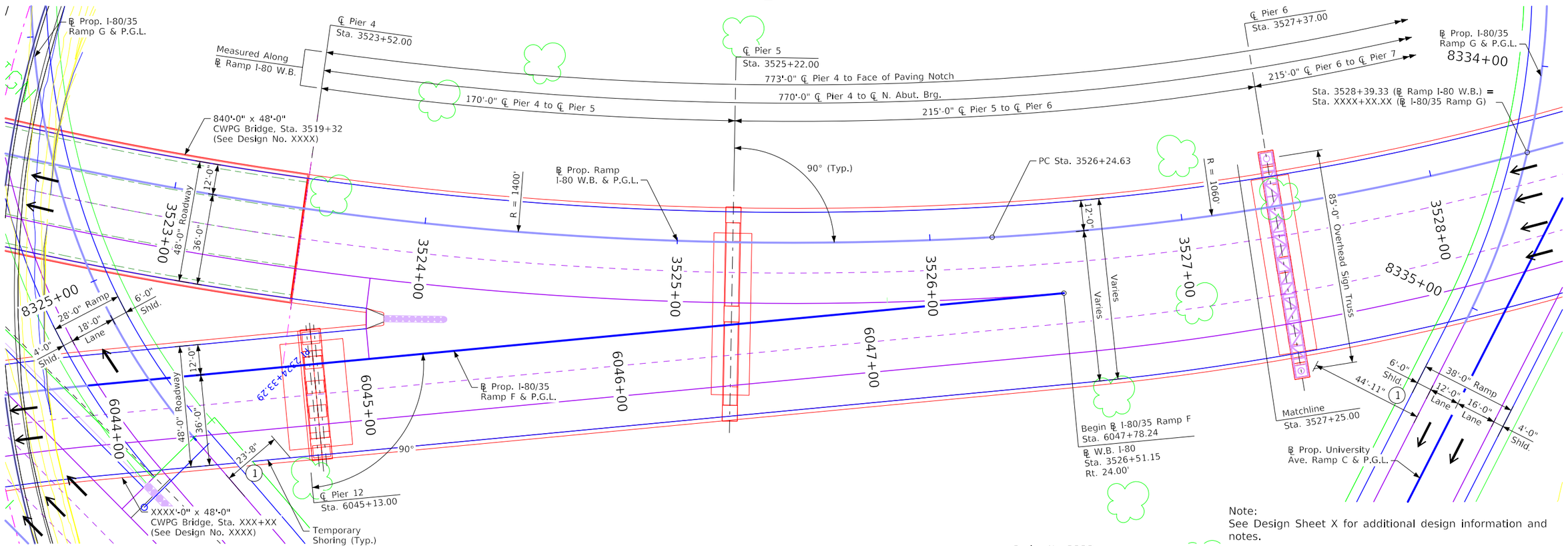
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER U.8

11:42:57 AM 9/15/2023 acrump pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_U01_77035455.dgn

Control Point: FENO XXX; N=XXXXXXX.XX, E=XXXXXXX.XX, Elev. XXX.XX, Description.



Longitudinal Section Along ℄ Prop. Ramp I-80 W.B. & P.G.L.



Note:
See Design Sheet X for additional design information and notes.

Curve Data 1
I-80 W.B. Ramp

PI Sta. 3520+84.40
Δ = 47°03'18.33" (LT)
T = 609.54
L = 1149.77
E = 136.94
R = 1400.00
PC Sta. 3514+74.86
PT Sta. 3526+24.63

Utilities Legend

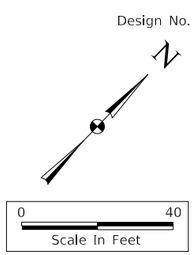
Utilities shown on this sheet are for information only, see Road Design sheets for final utility information.

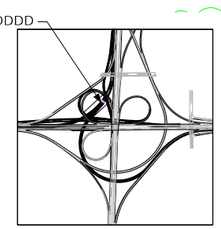
Location

I-80 W.B. Over I-80/35
Ramp G & Univ. Ramp C
City of West Des Moines
T-78N R-25W
Sections 6
Walnut Township
Polk County
FHWA No. XXXXXX
Latitude XX.XXXXXX°
Longitude -XX.XXXXXX°

Situation Plan

(1) Minimum Horizontal Clearance - Measured from edge of traveled way to face of pier





Key Plan

Design For 0 Deg.

770'-0" x Var. Continous Welded Steel Girder Bridge

170'-0" End Spans 215'-0" Interior Span

Situation Plan

STA. 3527+37.00 ( )

Turn-in Date: September 2023

Polk County

IOWA DEPARTMENT OF TRANSPORTATION

Design No. Design Sheet No. 1 of 3 FHWA No.

HRGreen

FILE NO. 98765	ENGLISH	DESIGN TEAM HR Green, Inc.	Polk COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER V.1	

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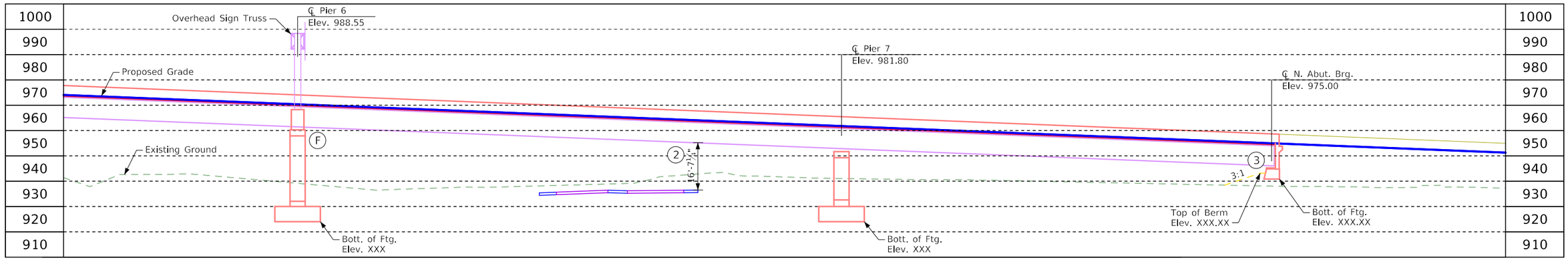
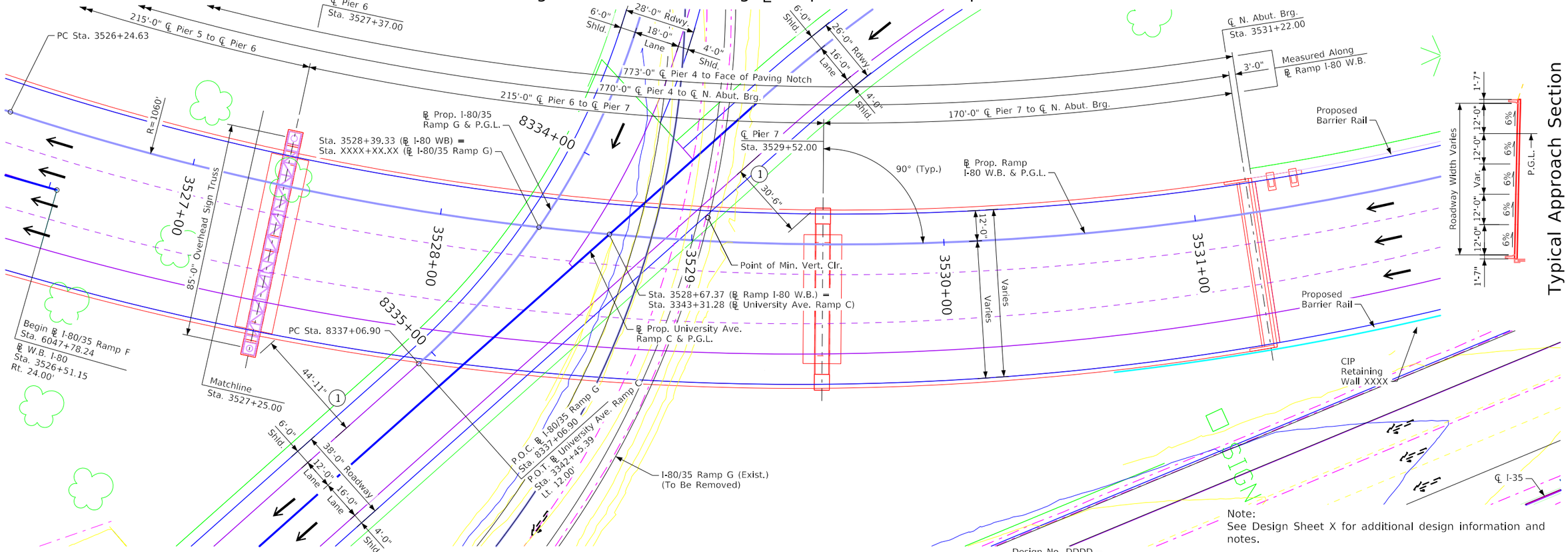
Control Point: FENO XXX; N=XXXXXXX.XX, E=XXXXXXX.XX, Elev. XXX.XX, Description.



Longitudinal Section Along ℄ Prop. I-80 W.B. Ramp & P.G.L.



Note:
See Design Sheet X for additional design information and notes.

Curve Data 2
W.B. I-80

PI Sta. 3530+17.29
Δ = 40°38'58.06" (LT)
T = 392.63
L = 752.03
E = 70.38
R = 1060.00
PC Sta. 3526+24.63
PT Sta. 3533+76.67

Utilities Legend

Utilities shown on this sheet are for information only, see Road Design sheets for final utility information.

Situation Plan

1. Minimum Horizontal Clearance - Measured from edge of traveled way to face of pier
2. Minimum Vertical Clearance (See Design Sheet X for Calculations)
3. Macadam Stone Slope Protection - 6" thickness 3:1 max. slope normal to abutment

N

0 40
Scale In Feet

Design No. DDDD

Key Plan

Design For 0 Deg.

770'-0" x Var. Continous Welded Steel Girder Bridge

170'-0" End Spans 215'-0" Interior Span

Situation Plan (Cont.)

STA. 3527+37.00 ( )

Turn-in Date: September 2023

Polk County

IOWA DEPARTMENT OF TRANSPORTATION

Design No. Design Sheet No. 2 of 3 FHWA No.

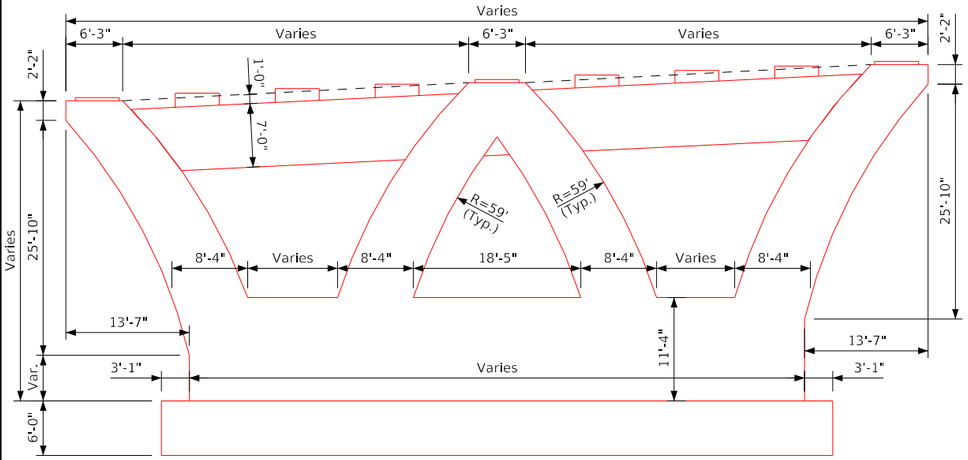
HRGreen

FILE NO. 98765	ENGLISH	DESIGN TEAM HR Green, Inc.	Polk COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER V.2	

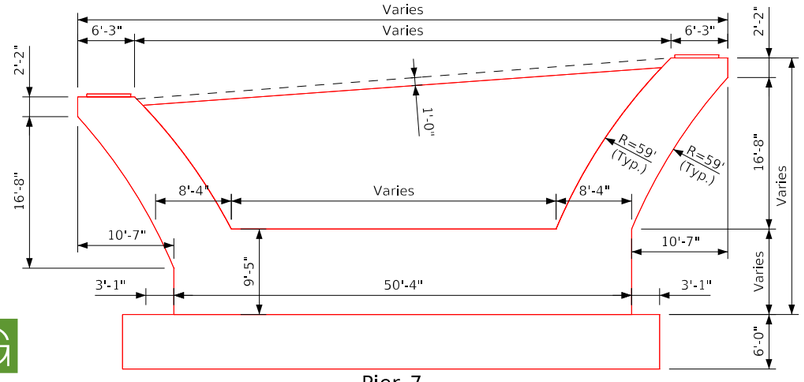
4:52:35 PM 9/15/2023 zgerst pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Bridge\(455)_Preliminary Engineering\SHT_77080455_DDD1_FHWANO_Z08.dgn

General Notes:
It is the intent of this design to construct a 770'-0" x variable width continuous welded steel girder connector bridge on a new alignment to replace the existing at grade Ramp I-80 W.B. and I-80/35 Ramp F loop ramp.

Design Notes:
1. Minimum vertical clearance calculated based on assumed 9' superstructure depth which includes 8½" deck thickness.
2. 44-inch high Texas Single Slope (TSS) TL-5 barrier rail is proposed.
3. Stub abutment with Non-Standard wings is assumed. Final design to coordinate end of east wing with CIP retaining wall between I-80 W.B. Ramp and I-35 S.B.
4. Pier Type
   - Non-Standard Framed Piers
   - Pier geometry will be similar to the Northeast Mixmaster (NEMM). See details on this sheet.
5. Vehicle Collision Force Requirements
   - Pier Nos. 4 through 7 are located outside the acceptable clear zone of 30 feet and do not need to be investigated for vehicle collision force.
   - Pier No. 12 is located within the acceptable clear zone of 30 feet and the column needs to be designed for structural resistance to vehicle collision foces.
6. Beam Type - CWPG (9'-0" Superstructure Depth Assumed).
7. Bridge aesthetics is assumed to be similar to the NEMM and will be incorporated during final design.
8. Final Design shall consider the need for temporary shoring to accommodate bridge construction.
9. Final Design shall consider the need for conduit for lighting and ITS.



Pier 5 & Pier 6
(Pier Width = 6'-0")

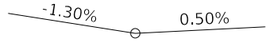


Pier 7
(Pier Width = 7'-0")



VPI Sta. = 3520+55.00 VC = 850'
VPI Elev. = 1017.65

Proposed Profile Grade Ramp I-80 W.B.



VPI Sta. = 3344+75.00 VC = 200'
VPI Elev. = 956.24

Proposed Profile Grade University Ramp C

Minimum Vertical Clearance

University Ave. Ramp C
Overhead Station = 3529+05.66, 9.67' Lt.
Overhead Elevation = 983.65
Depth of Superstructure = 9.00'
Underpass Station = 3343+65.02, 20.00' Rt.
Underpass Elevation 957.44
Minimum Vertical Clearance = 16.59'

I-80 WB Ramp Traffic Est.

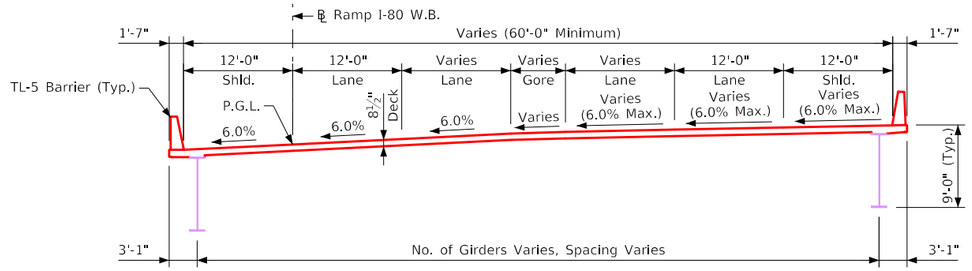
20XX	AADT	XX,X00	V.P.D.
2050	AADT	XXX,X00	V.P.D.
2050	DHV	XX,XX0	V.P.H.
Trucks		XX	%
Total			
Design ESALs		---	

Ramp G Traffic Est.

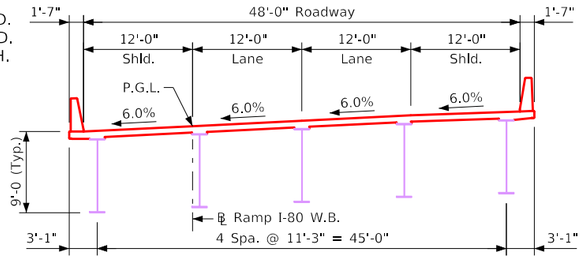
20XX	AADT	XX,X00	V.P.D.
2050	AADT	XXX,X00	V.P.D.
2050	DHV	XX,XX0	V.P.H.
Trucks		XX	%
Total			
Design ESALs		---	

University Ave. Ramp C Traffic Est.

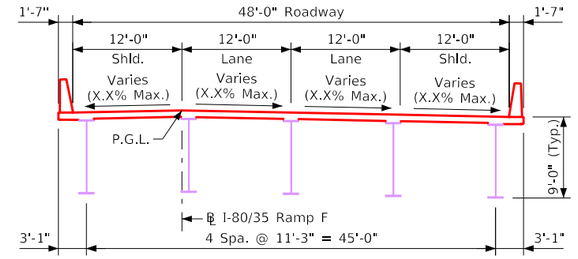
20XX	AADT	XX,X00	V.P.D.
2050	AADT	XXX,X00	V.P.D.
2050	DHV	XX,XX0	V.P.H.
Trucks		XX	%
Total			
Design ESALs		---	



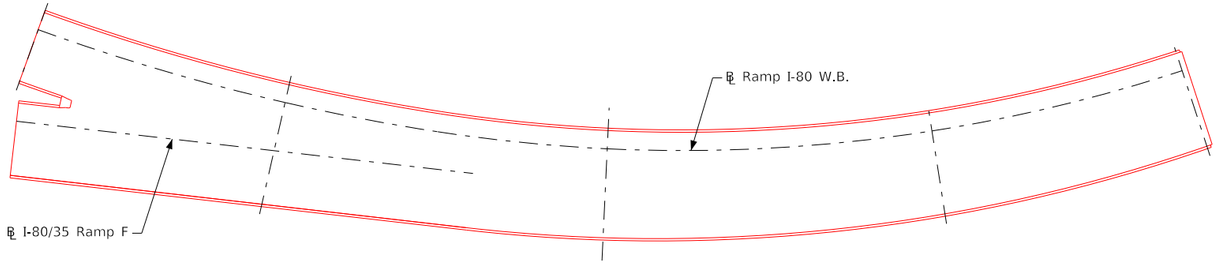
Typical Section



Typical Section
(Near Design No. DDD2, Pier 4)



Typical Section
(Near Design No. DDD3, Pier 11)



Superelevation Schematic Plan

Design For 0 Deg.
770'-0" x Var. Continous
Welded Steel Girder Bridge
170'-0" End Spans 215'-0" Interior Span
Situation Plan - Misc.
STA. 3527+37.00 ( ) Turn-in Date: September 2023
Polk County
IOWA DEPARTMENT OF TRANSPORTATION
Design No. Design Sheet No. 3 of 3 FHWA No.

HRGreen

FILE NO.	ENGLISH	DESIGN TEAM HR Green, Inc.	Polk COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER V.3

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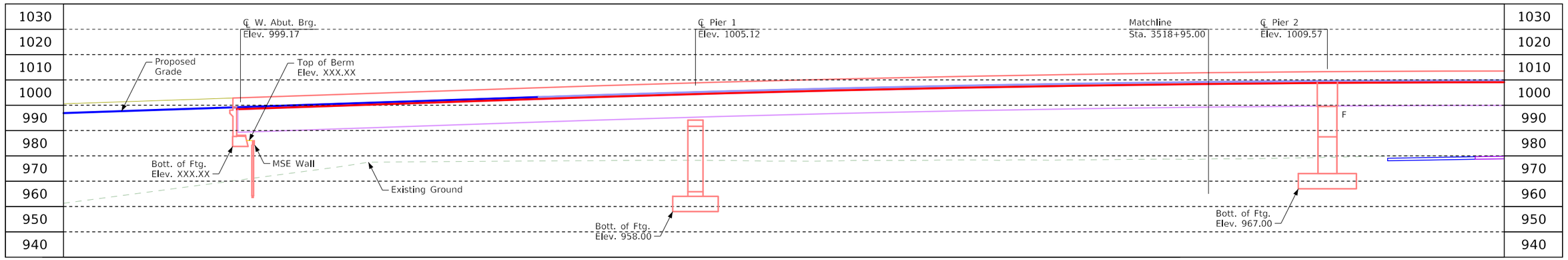
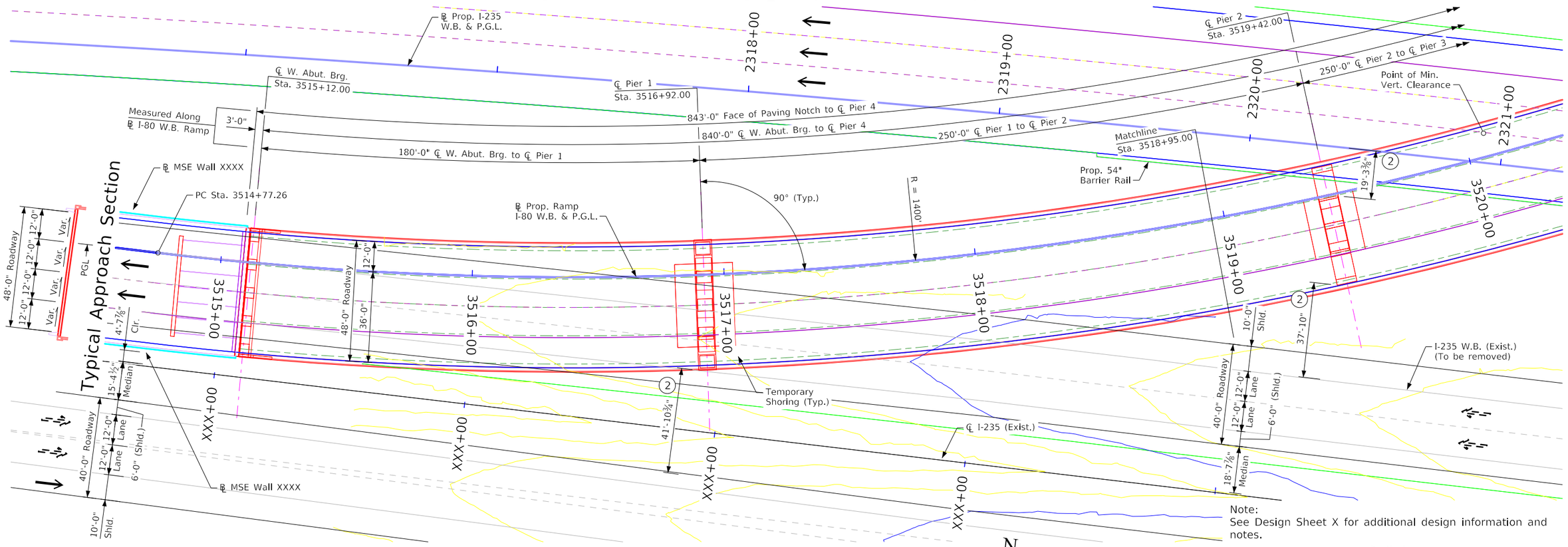
Control Point: FENO XXX; N=XXXXXXX.XX, E=XXXXXXX.XX, Elev. XXX.XX, Description.



Longitudinal Section Along ℄ Prop. I-80 W.B. Ramp & P.G.L.



Situation Plan

Curve Data
W.B. I-80

PI Sta. 3520+93.68
Δ = 47°49'51.6" (LT)
T = 616.41
L = 1160.38
E = 130.55
R = 1390.00
PC Sta. 3514+77.26
PT Sta. 3526+37.65

Utilities Legend

Utilities shown on this sheet are for information only, see Road Design sheets for final utility information.

Location

I-80 W.B. Ramp Over I-235 W.B.
City of West Des Moines
T-78N R-25W
Sections 6
Walnut Township
Polk County
FHWA No. XXXXXX
Latitude XX.XXXXXX°
Longitude -XX.XXXXXX°

(1) Minimum Vertical Clearance
(2) Minimum Horizontal Clearance - Measured from edge of traveled way to face of pier

N

0 40
Scale In Feet

Design No.
DDDD

Key Plan

Note:
See Design Sheet X for additional design information and notes.

Preliminary

Design For 0 Deg

843'-0" x 48'-0" Pretensioned Prestressed Concrete Beam Bridge

180'-0" & 160'-0" End Spans 250'-0" Interior Span

Situation Plan

STA. 3519+32.00 ( )

Turn-in Date: July 2023

Polk County

IOWA DEPARTMENT OF TRANSPORTATION

Design No. Design Sheet No. 1 of 3 FHWA No.

HRGreen

FILE NO. ####	ENGLISH	DESIGN TEAM HR Green, Inc.	Polk COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER V.4

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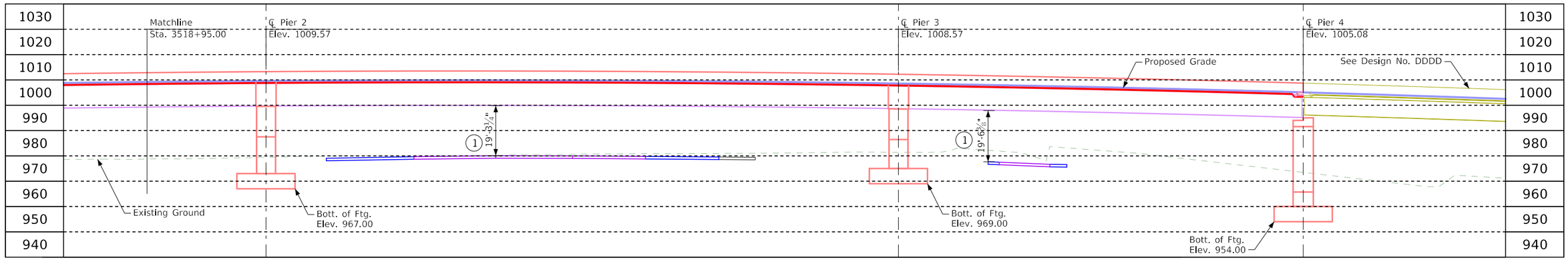
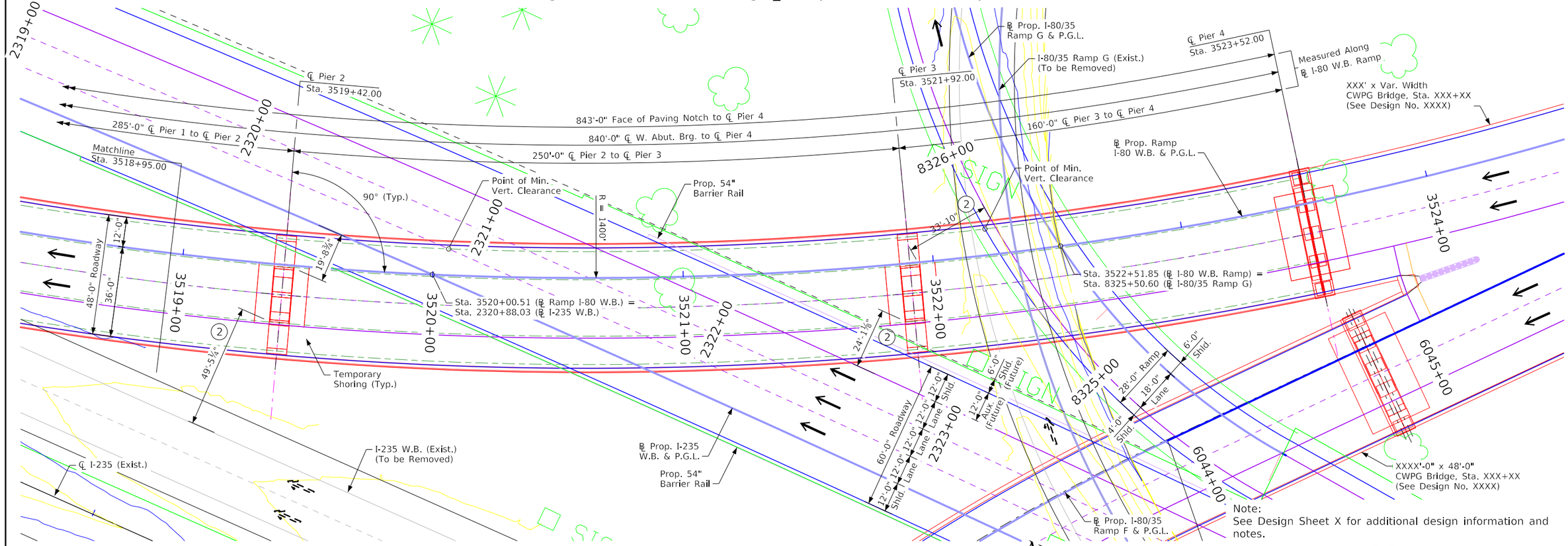
Control Point: FENO XXX; N=XXXXXXX.XX, E=XXXXXXX.XX, Elev. XXX.XX, Description.



Longitudinal Section Along ℄ Prop. I-80 W.B. Ramp & P.G.L.



Note:
See Design Sheet X for additional design information and notes.

Situation Plan

Utilities Legend

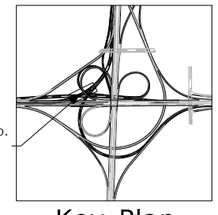
Utilities shown on this sheet are for information only, see Road Design sheets for final utility information.

HRGreen

1. Minimum Vertical Clearance (See Design Sheet X for Calculations)
2. Minimum Horizontal Clearance - Measured from edge of traveled way to face of pier

N

0 40
Scale In Feet



Design No.
DDDD

Key Plan

Preliminary

Design For 0 Deg

843'-0" x 48'-0" Pretensioned Prestressed Concrete Beam Bridge

180'-0" & 160'-0" End Spans — 250'-0" Interior Span

Situation Plan (Cont.)

STA. 3519+32.00 ( )

Turn-in Date: July 2023

Polk County

IOWA DEPARTMENT OF TRANSPORTATION

Design No. | Design Sheet No. 2 of 3 | FHWA No.

FILE NO. 98765	ENGLISH	DESIGN TEAM HR Green, Inc.	Polk COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER V.5

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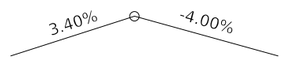
General Notes:
It is the intent of this design to construct a 840'-0" x 48'-0" continuous welded steel girder bridge on a new alignment to replace the existing at grade Ramp I-80 W.B.

Design Notes:
1. Minimum vertical clearance calculated based on assumed 10' superstructure depth and 8½" deck thickness.
2. MASH (44") single sloped bridge railing proposed.
3. Stub Abutment on MSE Wall. Use of deadman anchor to be assessed in final design.
4. Pier Type - Standard Tee at Piers 1 & 4. Integral Cap Tee at Piers 2 & 3. See below details for assumed geometry used in horizontal clearance checks.
5. Pier collision requirements shall be evaluated during final design.
6. Beam Type - CWPG (10'-0" Superstructure Depth Assumed).
7. Bridge geometry assumed to be similar to NEMM. Aesthetics to be evaluated during final design.
8. Final plans to address conduit needs for lighting and ITS utiltiy needs.

Minimum Vertical Clearance

I-235 WB
Overhead Station = 3520+08.79, 9.67' Lt.
Overhead Elevation = 1009.20
Depth of Superstructure = 10.00'
Underpass Station = 2320+93.90, 12.00' Lt.
Underpass Elevation 979.93
Minimum Vertical Clearance = 19.27'

I-80/35 Ramp G
Overhead Station = 3522+23.02, 9.67' Lt.
Overhead Elevation = 1007.44
Depth of Superstructure = 10.00'
Underpass Station = 8325+70.72, 22.00' Lt.
Underpass Elevation 977.91
Minimum Vertical Clearance = 19.53'



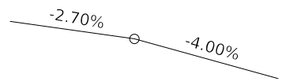
VPI Sta. = 3520+55.70 VC = 850'
VPI Elev. = 1017.65

Proposed Profile
Grade Ramp I-80 W.B.



VPI Sta. = 2323+00.47 VC = 200'
VPI Elev. = 980.72

Proposed Profile
Grade I-235 W.B.



VPI Sta. = 8324+81.67 VC = 100'
VPI Elev. = 979.51

Proposed Profile Grade
I-80/35 Ramp G

Ramp I-80 WB Traffic Est.

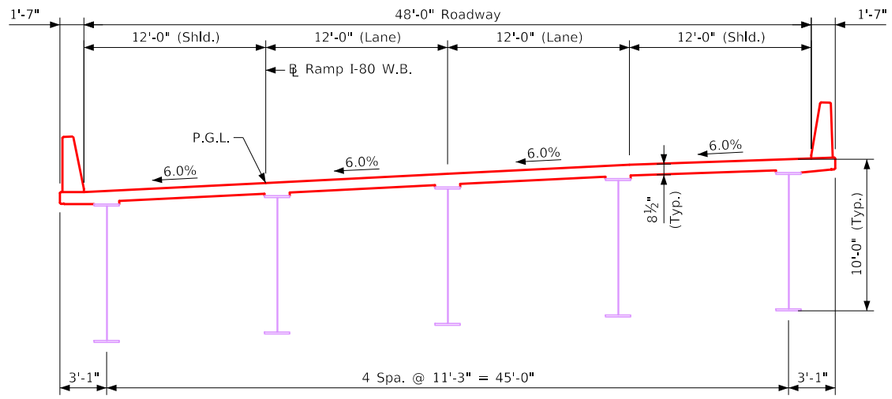
20XX	AADT	XX,X00	V.P.D.
2050	AADT	XXX,X00	V.P.D.
2050	DHV	XX,XX0	V.P.H.
Trucks		XX	%
Total			
Design ESALs		---	

I-80/35 Ramp F Traffic Est.

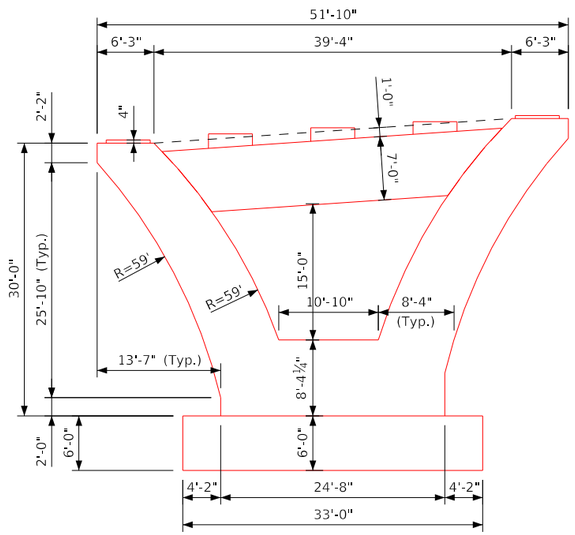
20XX	AADT	XX,X00	V.P.D.
2050	AADT	XXX,X00	V.P.D.
2050	DHV	XX,XX0	V.P.H.
Trucks		XX	%
Total			
Design ESALs		---	

I-80/35 Ramp G Traffic Est.

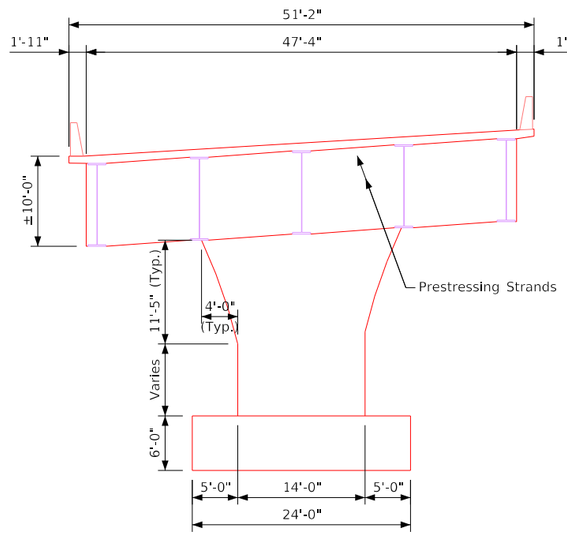
20XX	AADT	XX,X00	V.P.D.
2050	AADT	XXX,X00	V.P.D.
2050	DHV	XX,XX0	V.P.H.
Trucks		XX	%
Total			
Design ESALs		---	



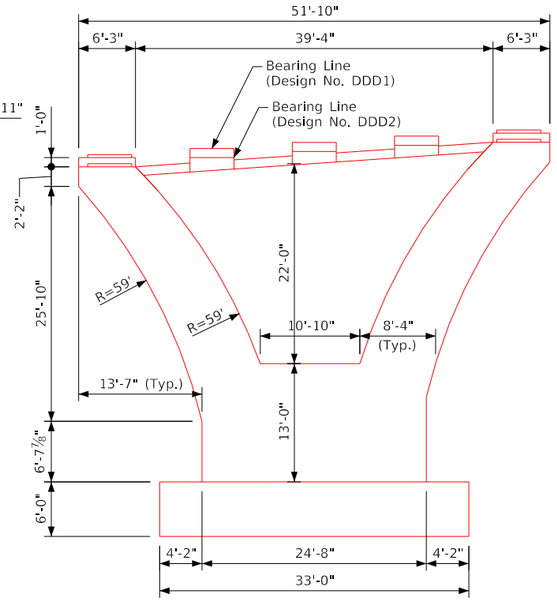
Typical Section



Pier 1 - Standard Tee Pier
(Pier Width = 7'-0")



Pier 2 & Pier 3 - Integral Cap Tee Pier
(Pier Width = 8'-0")



Pier 4 - Transition Tee Pier
(Pier Width = 8'-0")

Typical Pier Details

HRGreen

Design For 0 Deg
843'-0" x 48'-0" Pretensioned Prestressed Concrete Beam Bridge
180'-0" & 160'-0" End Spans 250'-0" Interior Span
Situation Plan - Misc.
STA. 3519+32.00 ( ) Turn-in Date: July 2023
Polk County
IOWA DEPARTMENT OF TRANSPORTATION
Design No. Design Sheet No. 3 of 3 FHWA No.

FILE NO.	ENGLISH	DESIGN TEAM HR Green, Inc.	Polk COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER V.6

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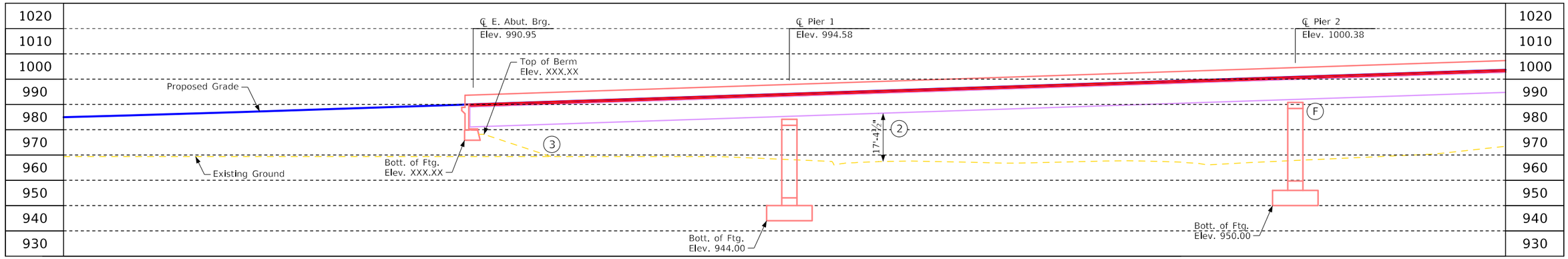
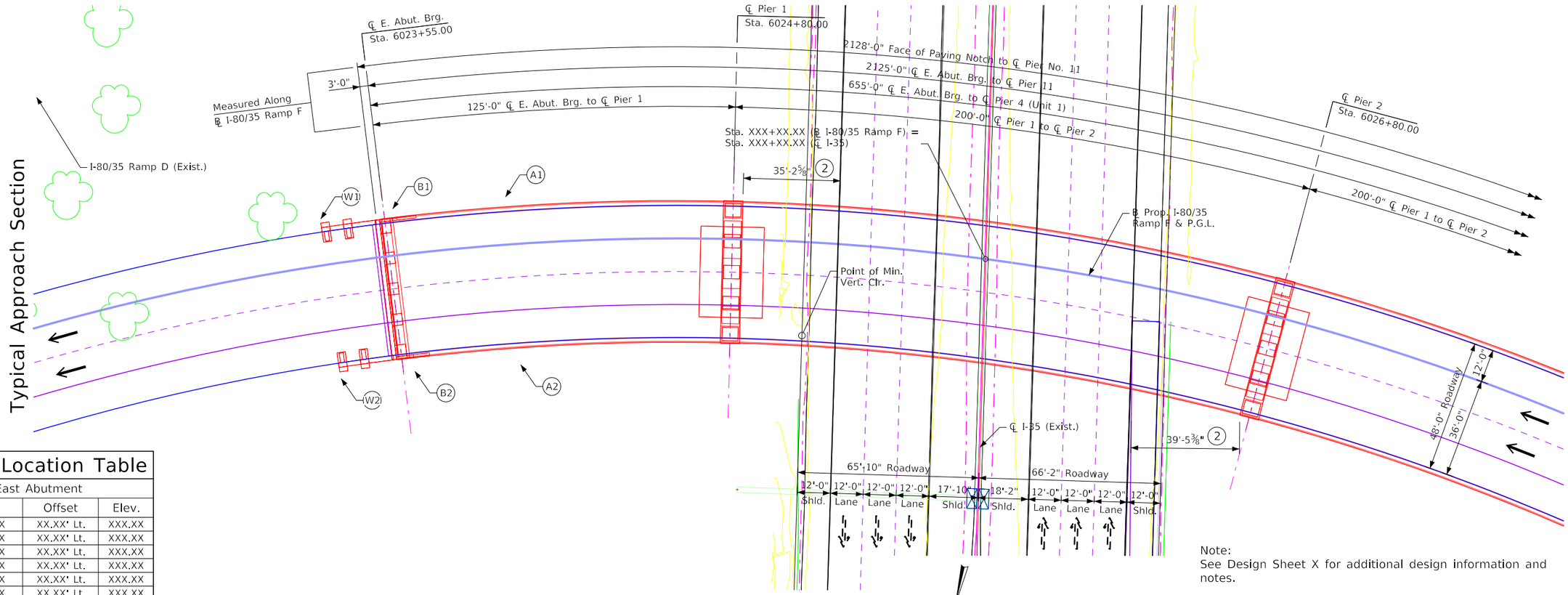
Control Point: FENO XXX; N=XXXXXXX.XX, E=XXXXXXX.XX, Elev. XXX.XX, Description.



Longitudinal Section Along ℄ Prop. I-80/35 Ramp F & P.G.L.



Berm Slope Location Table			
Points	East Abutment		
	Station	Offset	Elev.
A1	XXXX+XX.XX	XX.XX' Lt.	XXX.XX
A2	XXXX+XX.XX	XX.XX' Lt.	XXX.XX
B1	XXXX+XX.XX	XX.XX' Lt.	XXX.XX
B2	XXXX+XX.XX	XX.XX' Lt.	XXX.XX
W1	XXXX+XX.XX	XX.XX' Lt.	XXX.XX
W2	XXXX+XX.XX	XX.XX' Lt.	XXX.XX

Curve Data
W.B. I-80

PI Sta. 3520+93.68
Δ = 47°49'51.6" (LT)
T = 616.41
L = 1160.38
E = 130.55
R = 1390.00
PC Sta. 3514+77.26
PT Sta. 3526+37.65

Utilities Legend

Utilities shown on this sheet are for information only, see Road Design sheets for final utility information.

Location

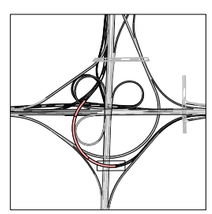
I-80 W.B. Ramp Over I-235 W.B.
City of West Des Moines
T-78N R-25W
Sections 6
Walnut Township
Polk County
FHWA No. XXXXXX
Latitude XX.XXXXXX°
Longitude -XX.XXXXXX°

1. Minimum Horizontal Clearance - Measured from edge of traveled way to face of pier.
2. Minimum Vertical Clearance (See Design Sheet X for Calculations).
3. Macadam Stone Slope Protection - 6" Thickness 3:1 max. slope normal to abutments.

Situation Plan

N

0 40
Scale In Feet



Key Plan

Note:
See Design Sheet X for additional design information and notes.

Design For

End Spans Interior Span

Situation Plan

STA. ( ) Turn-in Date:

County

IOWA DEPARTMENT OF TRANSPORTATION

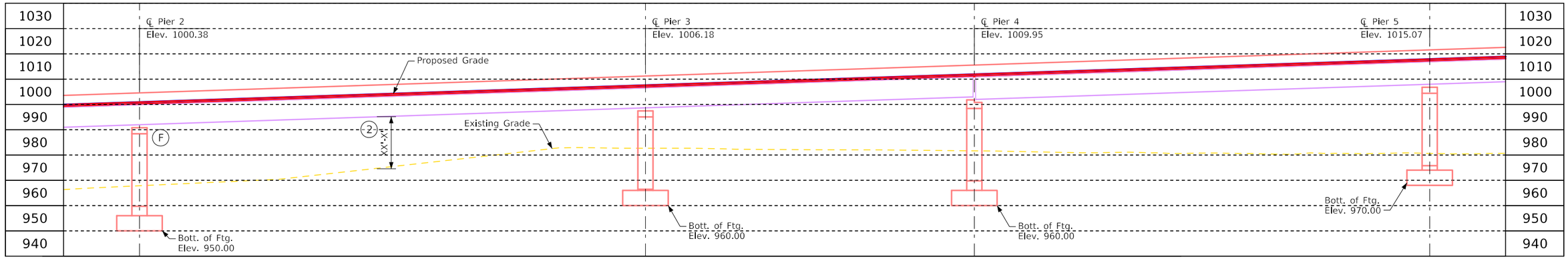
Design No. Design Sheet No. 1 of #### FHWA No.

HRGreen

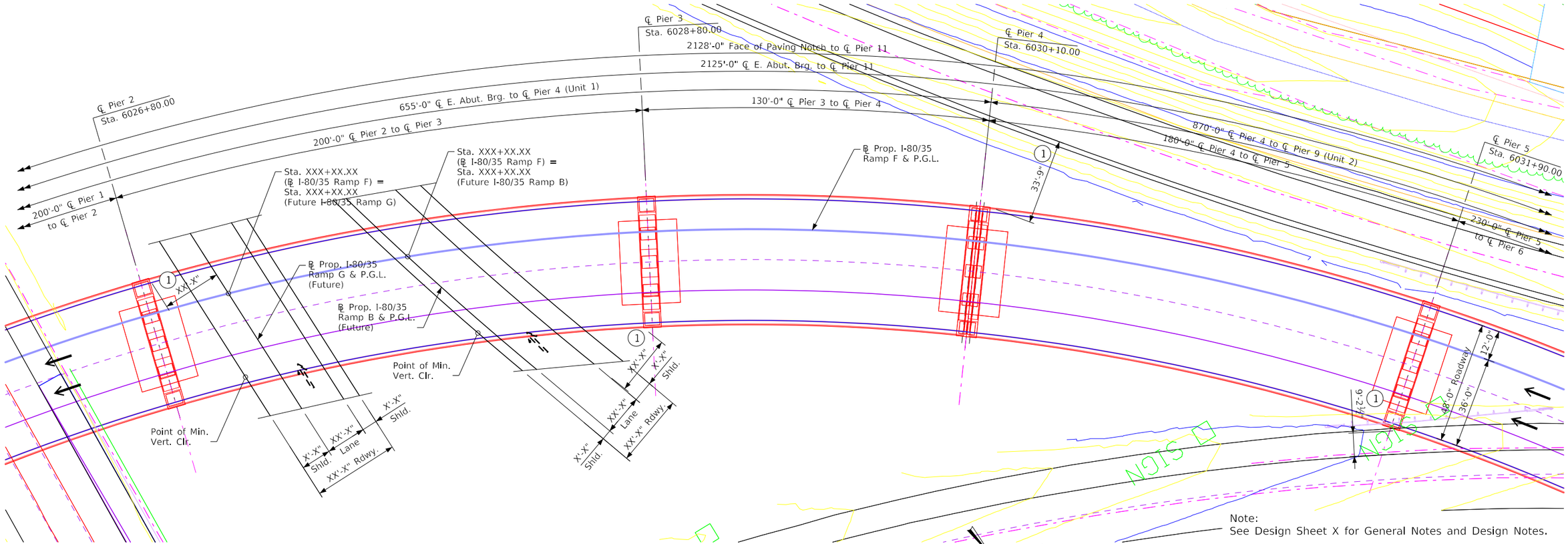
FILE NO.	ENGLISH	DESIGN TEAM	COUNTY	PROJECT NUMBER	SHEET NUMBER V.7

4:53:07 PM 9/15/2023 zgerst pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Bridge\(455)_Preliminary Engineering\SHT_77080455_DDD3_FHWANO_Z08.dgn

Control Point: FENO XXX; N=XXXXXXX.XX, E=XXXXXXX.XX, Elev. XXX.XX, Description.



Longitudinal Section Along ℄ Prop. I-80/35 Ramp F & P.G.L.



Utilities Legend

Utilities shown on this sheet are for information only, see Road Design sheets for final utility information.

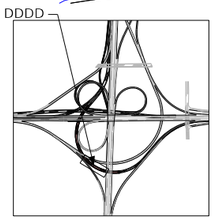
Situation Plan

1. Minimum Horizontal Clearance - Measured from edge of traveled way to face of pier.
2. Minimum Vertical Clearance (See Design Sheet X for Calculations).

N

0 40
Scale In Feet

Design No. DDDD



Key Plan

Note:
See Design Sheet X for General Notes and Design Notes.

HRGreen

Design For

End Spans Interior Span

Situation Plan (Cont.)

STA. ( ) Turn-in Date:

County

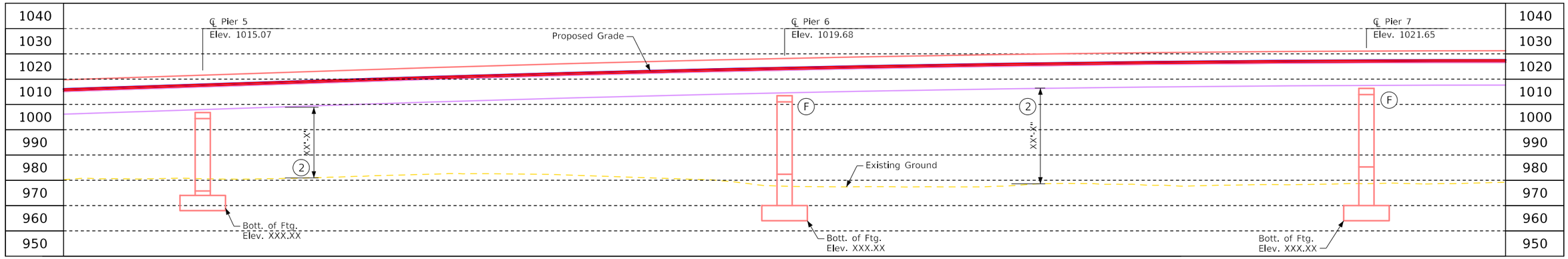
IOWA DEPARTMENT OF TRANSPORTATION

Design No. Design Sheet No. 2 of #### FHWA No.

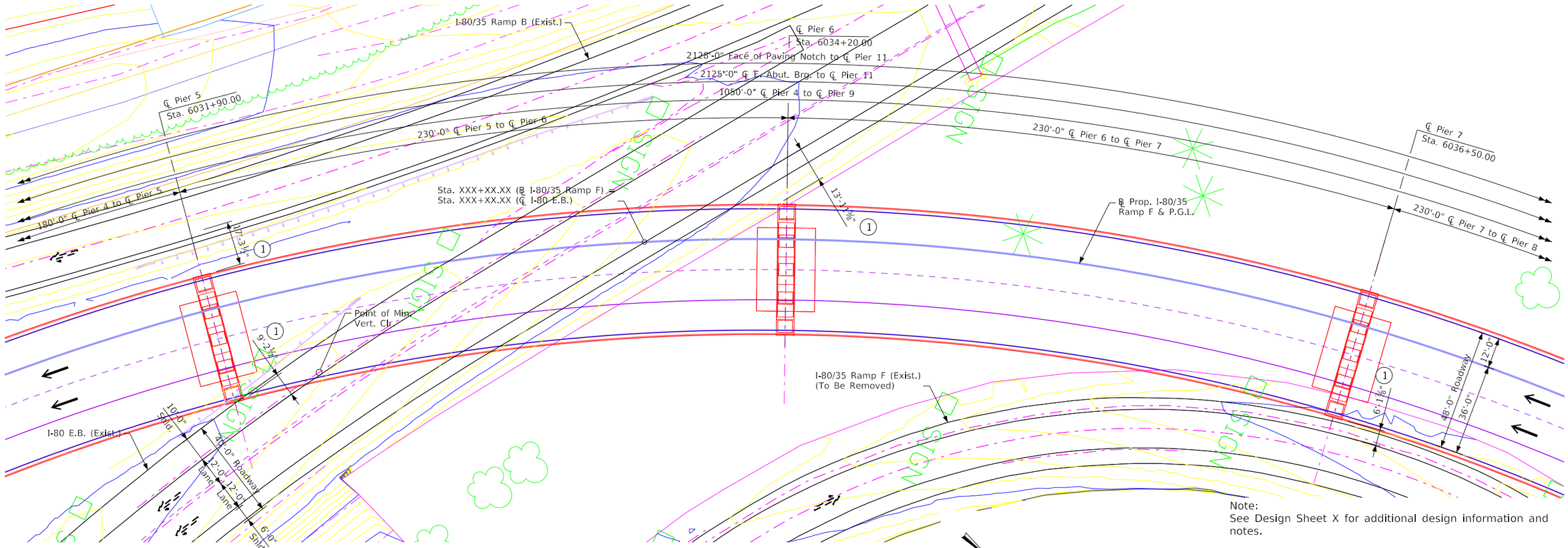
FILE NO.	ENGLISH	DESIGN TEAM	COUNTY	PROJECT NUMBER	SHEET NUMBER V.8

4:53:10 PM 9/15/2023 zgerst pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Bridge\(455)_Preliminary Engineering\SHT_77080455_DDD3_FHWANO_Z08.dgn

Control Point: FENO XXX; N=XXXXXXX.XX, E=XXXXXXX.XX, Elev. XXX.XX, Description.



Longitudinal Section Along ℄ Prop. Ramp



Note:
See Design Sheet X for additional design information and notes.

Utilities Legend

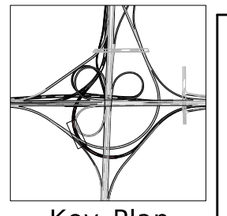
Utilities shown on this sheet are for information only, see Road Design sheets for final utility information.

Situation Plan

1. Minimum Horizontal Clearance - Measured from edge of traveled way to face of pier.
2. Minimum Vertical Clearance (See Design Sheet X for Calculations).

N

0 40
Scale In Feet



Key Plan

HRGreen

Design For
306'-0" x 72'-0" Pretensioned Prestressed Concrete Beam Bridge
End Spans Interior Span

Situation Plan (Cont.)

STA. 2329+58.88 ( )
Turn-in Date: July 2023

Polk County

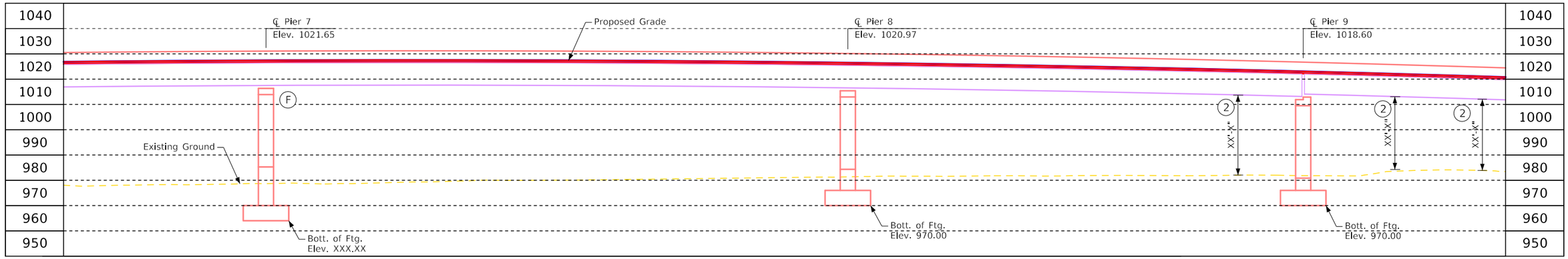
IOWA DEPARTMENT OF TRANSPORTATION

Design No. Design Sheet No. 1 of 1 FHWA No.

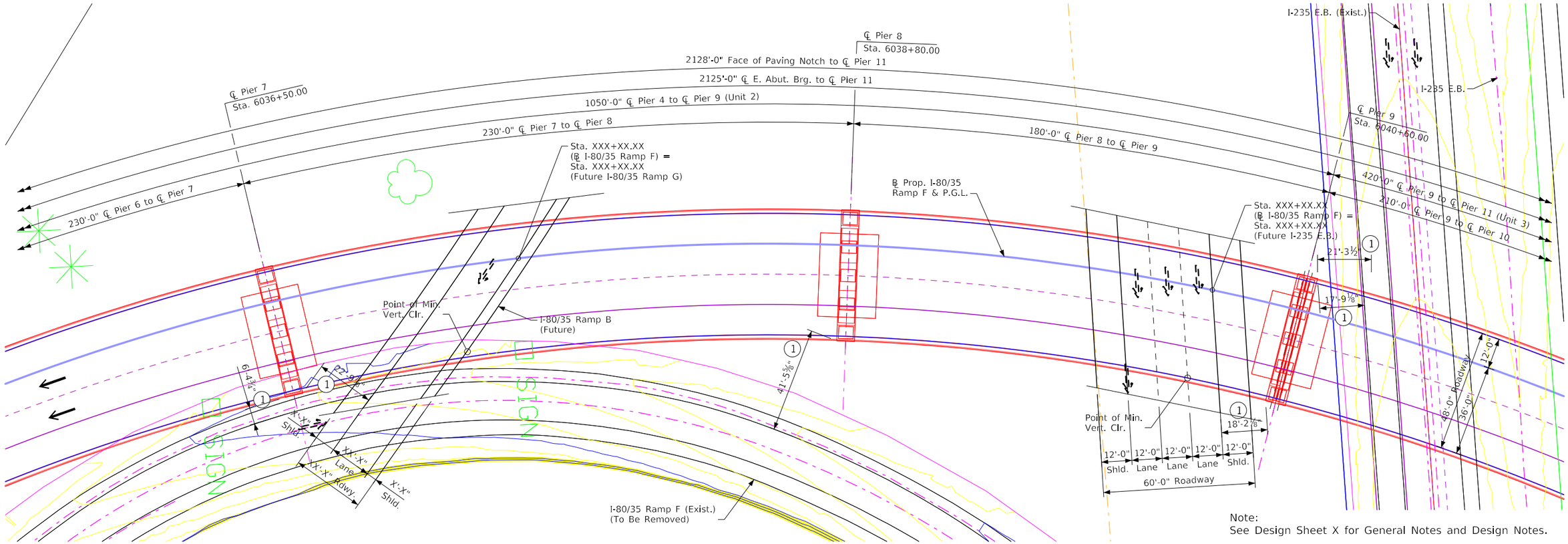
FILE NO.	ENGLISH	DESIGN TEAM HR Green, Inc.	Polk COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER V.9

4:53:13 PM 9/15/2023 zgerst pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Bridge\(455)_Preliminary Engineering\SHT_77080455_DDD3_FHWANO_Z08.dgn

Control Point: FENO XXX; N=XXXXXXX.XX, E=XXXXXXX.XX, Elev. XXX.XX, Description.



Longitudinal Section Along ℄ Prop. I-80/35 Ramp F & P.G.L.



Note:
See Design Sheet X for General Notes and Design Notes.

Utilities Legend

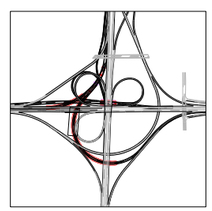
Utilities shown on this sheet are for information only, see Road Design sheets for final utility information.

Situation Plan

1. Minimum Horizontal Clearance - Measured from edge of traveled way to face of pier.
2. Minimum Vertical Clearance (See Design Sheet X for Calculations).

N

0 40
Scale In Feet



Key Plan

HRGreen

Design For

End Spans | Interior Span

Situation Plan (Cont.)

STA. ( )

Turn-in Date:

County

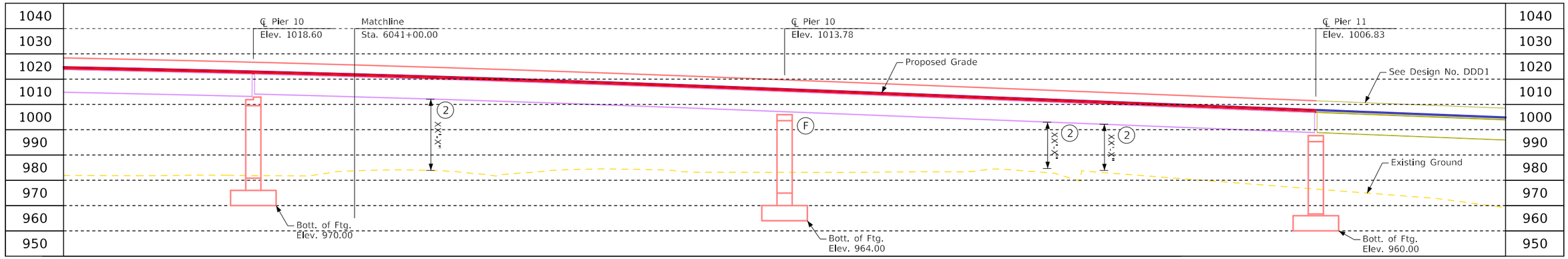
IOWA DEPARTMENT OF TRANSPORTATION

Design No. | Design Sheet No. 4 of #### | FHWA No.

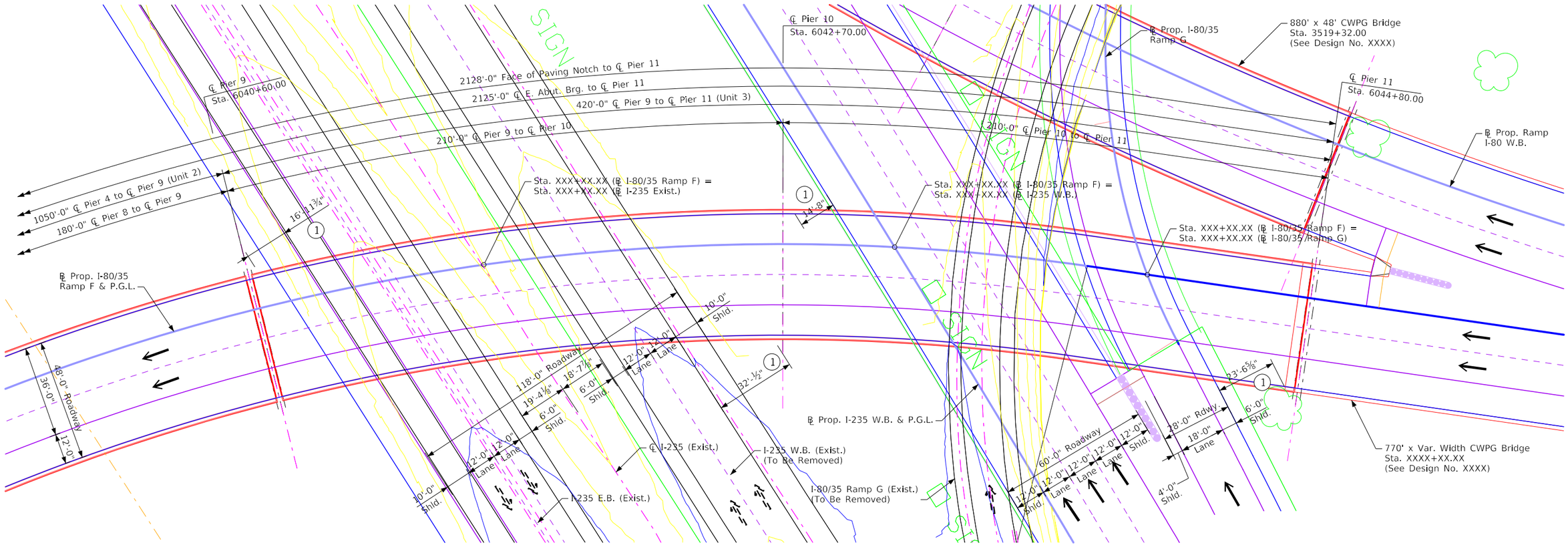
FILE NO.	ENGLISH	DESIGN TEAM	COUNTY	PROJECT NUMBER	SHEET NUMBER V.10

4:53:16 PM 9/15/2023 zgerst pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Bridge\(455)_Preliminary Engineering\SHT_77080455_DDD3_FHWANO_Z08.dgn

Control Point: FENO XXX; N=XXXXXXX.XX, E=XXXXXXX.XX, Elev. XXX.XX, Description.



Longitudinal Section Along ℄ Prop. I-80/35 Ramp F & P.G.L.



Situation Plan

(1) Minimum Horizontal Clearance - Measured from edge of traveled way to face of pier.

(2) Minimum Vertical Clearance (See Design Sheet X for Calculations).

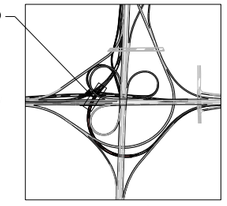
Utilities Legend

Utilities shown on this sheet are for information only, see Road Design sheets for final utility information.

N

0 40
Scale In Feet

Design No. DDDD



Key Plan

Design For

End Spans — Interior Span

Situation Plan (Cont.)

STA. ( )

Turn-in Date:

County

IOWA DEPARTMENT OF TRANSPORTATION

Design No. — Design Sheet No. 5 of #### — FHWA No.

HRGreen

FILE NO.	ENGLISH	DESIGN TEAM	COUNTY	PROJECT NUMBER	SHEET NUMBER V.11

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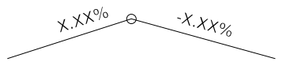
General Notes:
It is the intent of this design to construct a 840'-0" x 48'-0" continuous welded steel girder bridge on a new alignment to replace the existing at grade Ramp I-80 W.B.

Design Notes:
1. Minimum vertical clearance calculated based on assumed 10' superstructure depth and 8½" deck thickness.
2. MASH (44") single sloped bridge railing proposed.
3. Stub Abutment on MSE Wall. Use of deadman anchor to be assessed in final design.
4. Pier Type - Standard Tee at Piers 1 & 4. Integral Cap Tee at Piers 2 & 3. See below details for assumed geometry used in horizontal clearance checks.
5. Pier collision requirements shall be evaluated during final design.
6. Beam Type - CWPG (10'-0" Superstructure Depth Assumed).
7. Bridge geometry assumed to be similar to NEMM. Aesthetics to be evaluated during final design.
8. Final plans to address conduit needs for lighting and ITS utiltiy needs.

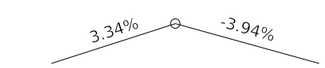
I-80/35 Ramp F Traffic Est.

20XX	AADT	XX,X00	V.P.D.
2050	AADT	XXX,X00	V.P.D.
2050	DHV	XX,XX0	V.P.H.
Trucks		XX	%
Total			
Design ESALs		---	



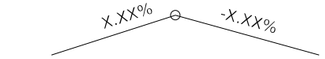
VPI Sta. = XXX+00 VC = XXX'
VPI Elev. = XXX.XX

Proposed Profile Grade I-80/35 Ramp G (Future)



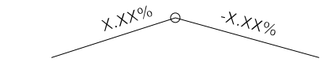
VPI Sta. = 6037+51.21 VC = 1000'
VPI Elev. = 1036.55

Proposed Profile Grade I-80/35 Ramp F



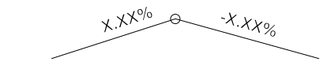
VPI Sta. = XXX+00 VC = XXX'
VPI Elev. = XXX.XX

Proposed Profile Grade I-80/35 Ramp G (Future)



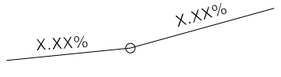
VPI Sta. = XXX+00 VC = XXX'
VPI Elev. = XXX.XX

Proposed Profile Grade I-80/35 Ramp G (Future)



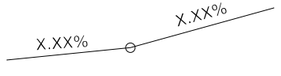
VPI Sta. = XXX+00 VC = XXX'
VPI Elev. = XXX.XX

Proposed Profile Grade I-80/35 Ramp G (Future)



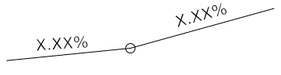
VPI Sta. = XXXX+XX VC = XXX'
VPI Elev. = XXX.XX

Proposed Profile Grade I-80 EB (Future, Alt.)



VPI Sta. = XXXX+XX VC = XXX'
VPI Elev. = XXX.XX

Proposed Profile Grade I-80 EB (Future, Alt.)



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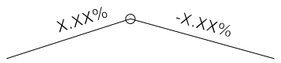
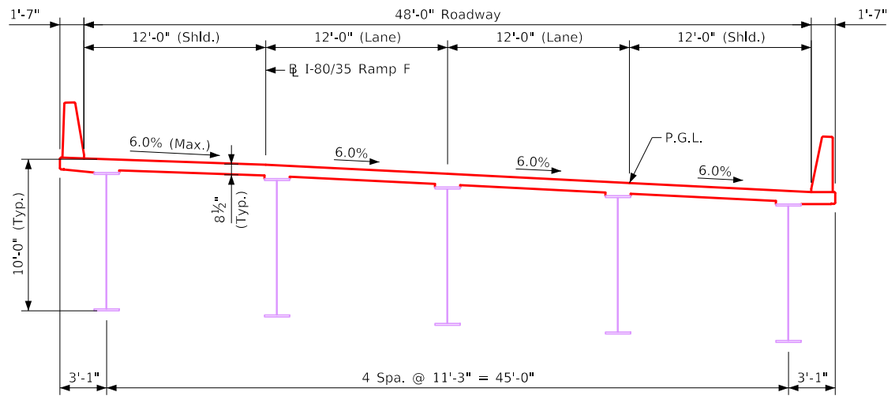
Proposed Profile Grade I-235 EB (Future, Alt.)

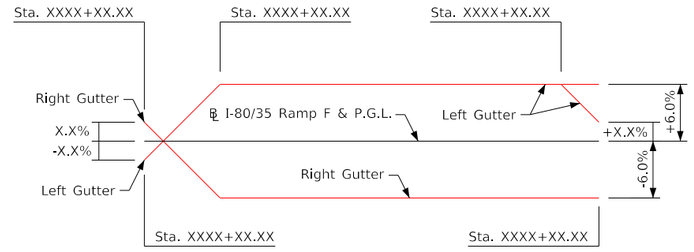


VPI Sta. = XXX+00 VC = XXX'
VPI Elev. = XXX.XX

Proposed Profile Grade I-80/35 Ramp G (Future)



Typical Section



Superelevation Diagram

Minimum Vertical Clearance

I-35 N.B. (Exist.)
Overhead Station = 6025+06.41, 34.50' Rt.
Overhead Elevation = 992.95
Depth of Superstructure = 8.00'
Underpass Station = 324+66.32, 65.85' Rt.
Underpass Elevation 967.46
Minimum Vertical Clearance = 17.49'

I-35 S.B. (Exist.)
Overhead Station = XXX+XX.XX, XX.XX' Lt.
Overhead Elevation = XXX.XX
Depth of Superstructure = X.XX'
Underpass Station = XXX+XX.XX, XX.XX' Lt.
Underpass Elevation XXX.XX
Minimum Vertical Clearance = XX.XX'

I-80/35 Ramp G (Future, Ult. 6)
Overhead Station = XXXX+XX.XX, XX.XX' Rt.
Overhead Elevation = XXX.XX
Depth of Superstructure = X.XX'
Underpass Station = XXX+XX.XX, XX.XX' Rt.
Underpass Elevation XXX.XX
Minimum Vertical Clearance = XX.XX'

I-80/35 Ramp G (Future, Ult. 7)
Overhead Station = 6032+10.06, 34.50' Lt.
Overhead Elevation = 1016.43
Depth of Superstructure = 10.50'
Underpass Station = XXX+XX.XX, XX.XX' Lt.
Underpass Elevation 985..XX
Minimum Vertical Clearance = XX.XX'

Minimum Vertical Clearance (Cont.)

I-80/35 Ramp B (Future, Ult. 7)
Overhead Station = 6044+23.66, 34.50' Lt.
Overhead Elevation = 1007.96
Depth of Superstructure = 9.00'
Underpass Station = 8324+38.27, 18.00' Lt.
Underpass Elevation 982.37
Minimum Vertical Clearance = 16.59'

I-80 E.B. (Exist.)
Overhead Station = XXXX+XX.XX, XX.XX' Rt.
Overhead Elevation = XXX.XX
Depth of Superstructure = X.XX'
Underpass Station = XXX+XX.XX, XX.XX' Rt.
Underpass Elevation XXX.XX
Minimum Vertical Clearance = XX.XX'

I-80 E.B. (Future, Ult. 6)
Overhead Station = XXXX+XX.XX, XX.XX' Rt.
Overhead Elevation = XXX.XX
Depth of Superstructure = X.XX'
Underpass Station = XXX+XX.XX, XX.XX' Rt.
Underpass Elevation XXX.XX
Minimum Vertical Clearance = XX.XX'

I-80/35 Ramp B (Future, Ult. 7)
Overhead Station = 6032+10.06, 34.50' Lt.
Overhead Elevation = 1016.43
Depth of Superstructure = 10.50'
Underpass Station = XXX+XX.XX, XX.XX' Lt.
Underpass Elevation 985..XX
Minimum Vertical Clearance = XX.XX'

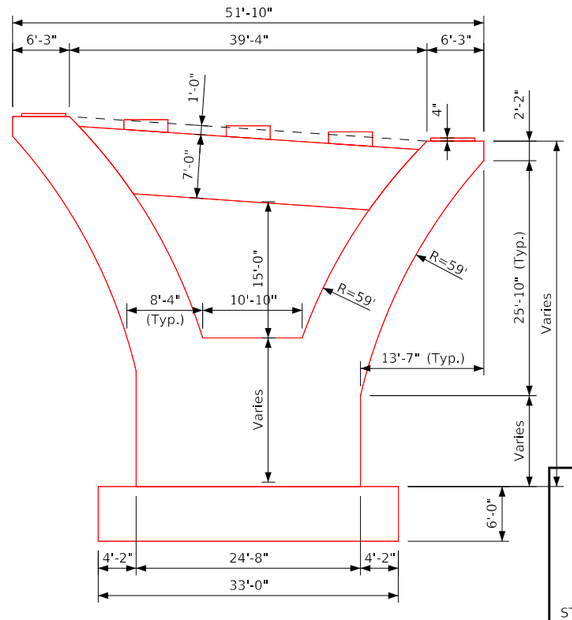
Minimum Vertical Clearance (Cont.)

I-235 E.B. (Future, Ult. 7)
Overhead Station = 6044+23.66, 34.50' Lt.
Overhead Elevation = 1007.96
Depth of Superstructure = 9.00'
Underpass Station = 8324+38.27, 18.00' Lt.
Underpass Elevation 982.37
Minimum Vertical Clearance = 16.59'

I-80 E.B. (Future, Ult. 7)
Overhead Station = XXXX+XX.XX, XX.XX' Rt.
Overhead Elevation = XXX.XX
Depth of Superstructure = X.XX'
Underpass Station = XXX+XX.XX, XX.XX' Rt.
Underpass Elevation XXX.XX
Minimum Vertical Clearance = XX.XX'

I-235 W.B. (Initial Build)
Overhead Station = XXXX+XX.XX, XX.XX' Rt.
Overhead Elevation = XXX.XX
Depth of Superstructure = X.XX'
Underpass Station = XXX+XX.XX, XX.XX' Rt.
Underpass Elevation XXX.XX
Minimum Vertical Clearance = XX.XX'

I-80/35 Ramp G (Initial Build)
Overhead Station = 6032+10.06, 34.50' Lt.
Overhead Elevation = 1016.43
Depth of Superstructure = 10.50'
Underpass Station = XXX+XX.XX, XX.XX' Lt.
Underpass Elevation 985..XX
Minimum Vertical Clearance = XX.XX'



Typical Pier Details
(Pier Width = 7'-0")

HRGreen

Design For

End Spans Interior Span

Situation Plan (Cont.)

STA. ( ) Turn-in Date:

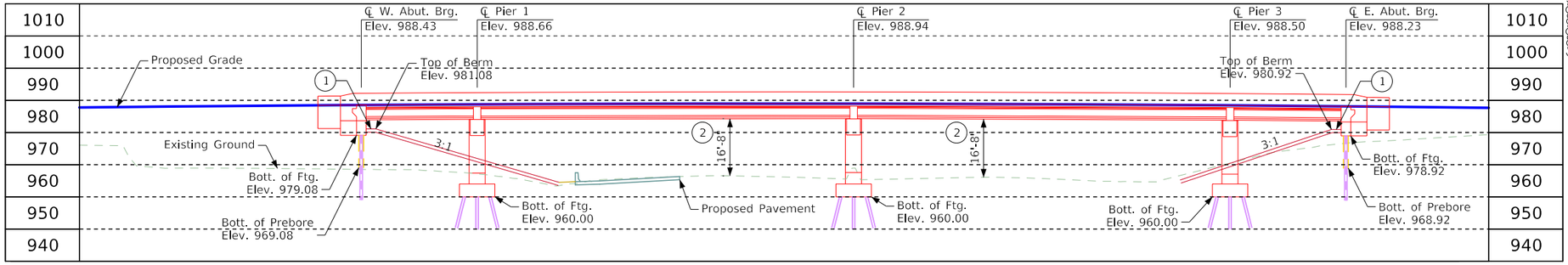
County

IOWA DEPARTMENT OF TRANSPORTATION

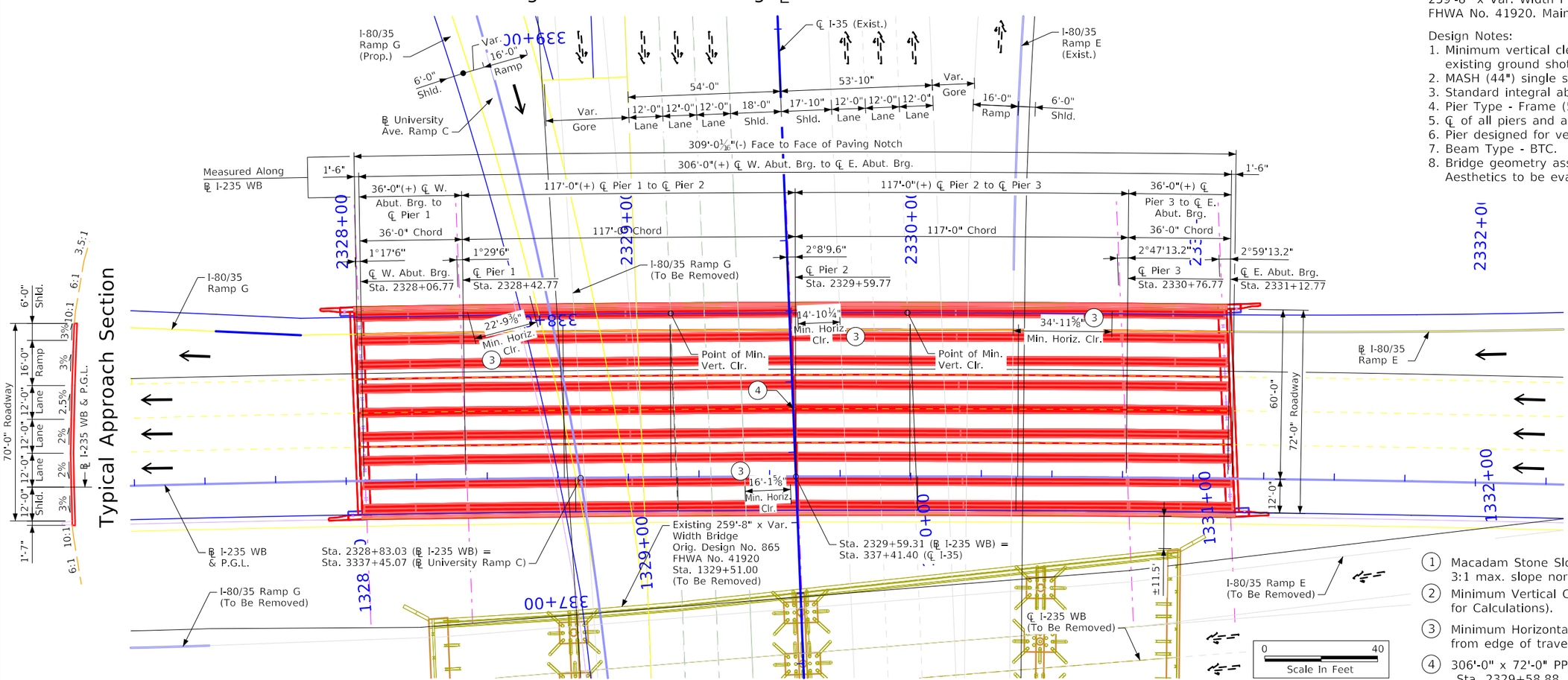
Design No. Design Sheet No. 6 of FHWA No.

FILE NO.	ENGLISH	DESIGN TEAM	COUNTY	PROJECT NUMBER	SHEET NUMBER V.12	

4:53:21 PM 9/15/2023 zgerst pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Bridge\(455)_Preliminary Engineering\SHT_77080455_DDD3_FHWANO_Z08.dgn

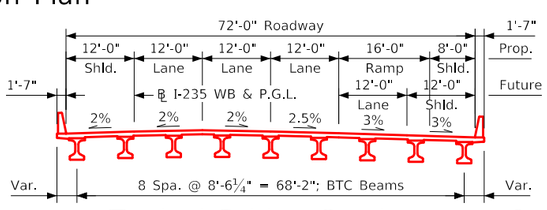


Longitudinal Section Along ℄ I-235 WB & P.G.L.

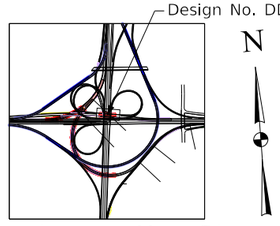


Typical Approach Section

Situation Plan

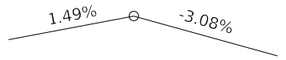


Typical Bridge Section



Interchange Key Plan

Control Point:
FENO XXX; N=XXXXXXX.XX, E=XXXXXXX.XX,
Elev. XXX.XX, Description.



VPI Sta. = 2331+00 VC = 880'
VPI Elev. = 993.36

Proposed Profile Grade I-235 WB

General Notes:
This design is for the replacement of the existing 259'-8" x Var. Width PPCB Bridge, Design No. 865. FHWA No. 41920. Maint. No. 7700.0L235

Design Notes:
1. Minimum vertical clearance calculated using existing ground shots.
2. MASH (44") single slope bridge railing proposed.
3. Standard integral abutments.
4. Pier Type - Frame (5'-0" Width Assumed).
5. ℄ of all piers and abutments are parallel to ℄ I-35.
6. Pier designed for vehicular collision forces.
7. Beam Type - BTC.
8. Bridge geometry assumed to be similar to NEMM. Aesthetics to be evaluated during final design.

I-235 WB Traffic Est.

20XX	AADT	XX,X00	V.P.D.
2050	AADT	XXX,X00	V.P.D.
2050	DHV	XX,XX0	V.P.H.
Trucks		XX	%
Total Design ESALs		---	

I-35 ML Traffic Est.

20XX	AADT	XX,X00	V.P.D.
2050	AADT	XXX,X00	V.P.D.
2050	DHV	XX,XX0	V.P.H.
Trucks		XX	%
Total Design ESALs		---	

1. Macadam Stone Slope Protection - 6" thickness 3:1 max. slope normal to abutment
2. Minimum Vertical Clearance (See Design Sheet X for Calculations).
3. Minimum Horizontal Clearance - Measured from edge of traveled way to face of pier
4. 306'-0" x 72'-0" PPCB Bridge Sta. 2329+58.88

Utilities Legend

Utilities shown on this sheet are for information only, see Road Design sheets for final utility information.

Curve Data I-235 WB

PI Sta. 2324+33.76
Δ = 10°24'57.60" (LT)
T = 938.87
L = 1872.56
E = 42.70
R = 10300.02
PC Sta. 2314+94.89
PT Sta. 2333+67.45

Location

I-235 WB Over I-35
City of West Des Moines
T-78N R-25W
Sections 6
Walnut Township
Polk County
FHWA No. XXXXXX
Latitude 41.592471°
Longitude -93.777286°

HRGreen

Design For Var. Skew

306'-0 x 72'-0 Pretensioned Prestressed Concrete Beam

36'-0" End Spans 117'-0" Interior Span

Situation Plan

STA. 2329+58.88 (I-235 WB) Turn-in Date: July 2023

Polk County

IOWA DEPARTMENT OF TRANSPORTATION

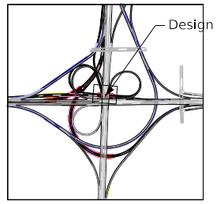
Design No. Design Sheet No. 1 of 2 FHWA No.

FILE NO.	ENGLISH	DESIGN TEAM HR Green, Inc.	Polk COUNTY	PROJECT NUMBER NHSX-092-9(XXX)--3H-58	SHEET NUMBER V.13

4:53:36 PM 9/15/2023 zgerst pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Bridge\(455)_Preliminary Engineering\SHT_77080455_DDD4_FHWANO_Z08.dgn

Berm Slope Location Table

Points	West Abutment			East Abutment		
	Station	Offset	Elev.	Station	Offset	Elev.
A1	2329+60.36	64.58' Lt.	966.52	2329+54.36	64.58' Lt.	966.53
A2	2329+63.39	16.58' Rt.	966.40	2329+57.39	16.58' Rt.	966.40
B1	2328+09.76	64.58' Lt.	981.08	2331+06.75	64.58' Lt.	980.90
B2	2328+12.79	16.58' Rt.	981.08	2331+09.78	16.58' Rt.	980.90
W1	2327+91.93	64.58' Lt.	987.15	2331+24.93	64.58' Lt.	986.95
W2	2327+94.61	16.58' Rt.	987.83	2331+27.61	16.58' Rt.	987.58



Interchange Key Plan

Control Point:
FENO XXX; N=XXXXXXX.XX, E=XXXXXXX.XX,
Elev. XXX.XX, Description.

Minimum Vertical Clearance

University Ave. Ramp C
Overhead Station = 2328+88.29, 10.08' Rt.
Overhead Elevation = 988.65
Depth of Superstructure = 4.63'
Underpass Station = 3337+32.35, 16.00' Rt.
Underpass Elevation 966.09
Minimum Vertical Clearance = 17.94'

I-35 SB
Overhead Station = 2329+27.77, 58.08' Lt.
Overhead Elevation = 987.97
Depth of Superstructure = 4.63'
Underpass Station = 338+00.55, 30.00' Lt.
Underpass Elevation 967.12
Minimum Vertical Clearance = 16.23'

I-35 NB
Overhead Station = 2329+87.54, 58.08' Lt.
Overhead Elevation = 987.94
Depth of Superstructure = 4.63'
Underpass Station = 337+98.34, 30' Rt.
Underpass Elevation 967.12
Minimum Vertical Clearance = 16.20'

I-80/35 Ramp E
Overhead Station = 2330+20.63, 58.08' Lt.
Overhead Elevation = 987.84
Depth of Superstructure = 4.63'
Underpass Station = 337+96.91, 63.33' Rt.
Underpass Elevation 966.21
Minimum Vertical Clearance = 17.00'

HRGreen

Design For Var. Skew

306'-0 x 72'-0 Pretensioned Prestressed Concrete Beam

36'-0" End Spans — 117'-0" Interior Span

Situation Plan - Site

STA. 2329+58.88 (I-235 WB)

Turn-in Date: July 2023

Polk County

IOWA DEPARTMENT OF TRANSPORTATION

Design No. | Design Sheet No. 2 of 2 | FHWA No.

FILE NO.	ENGLISH	DESIGN TEAM HR Green, Inc.	Polk COUNTY	PROJECT NUMBER NHSX-092-9(XXX)--3H-58	SHEET NUMBER V.14

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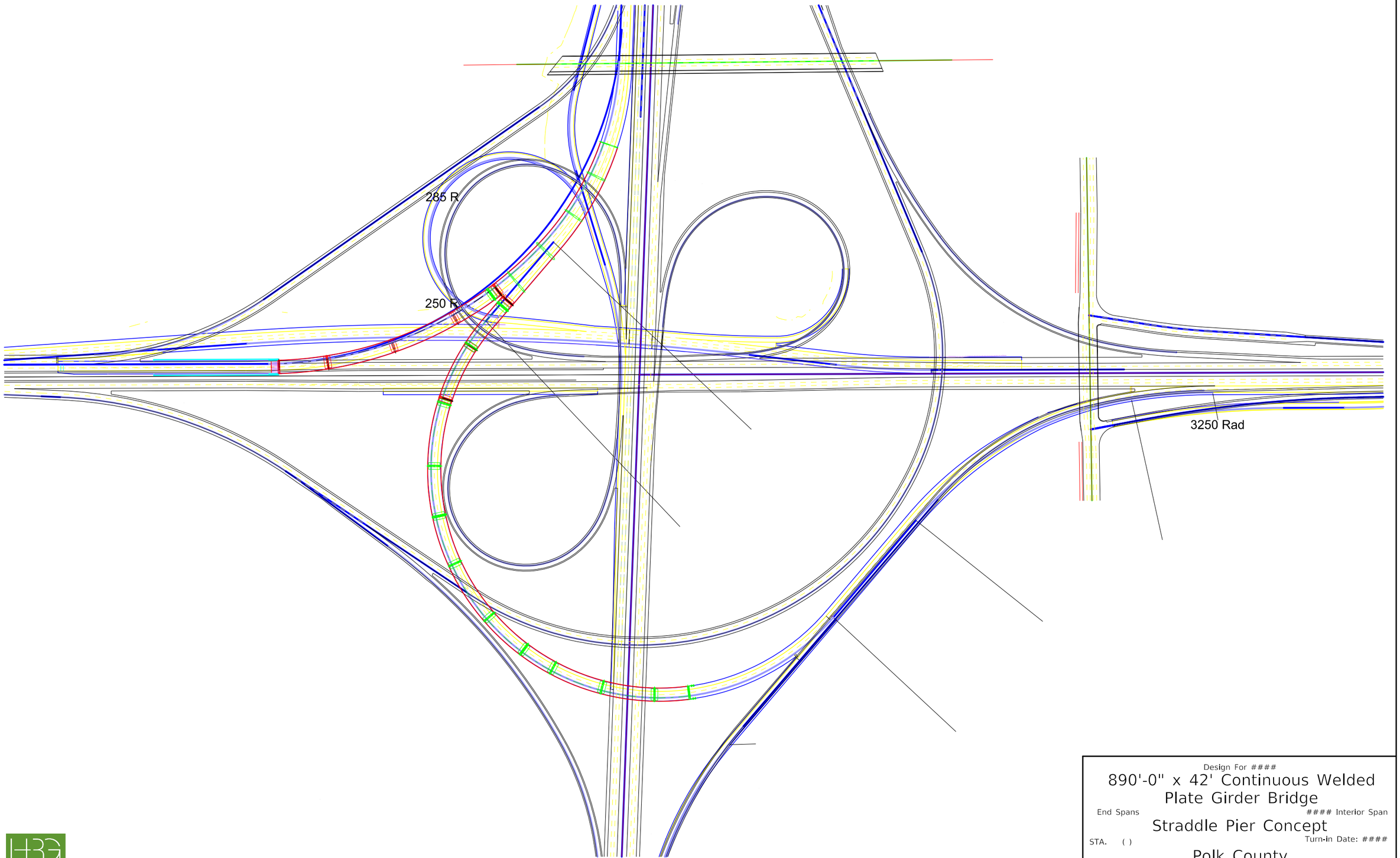

Situation Plan

HRGreen

Design For ####

890'-0" x 42' Continuous Welded Plate Girder Bridge

End Spans #### Interior Span

Straddle Pier Concept

STA. ( ) Turn-in Date: ####

Polk County

IOWA DEPARTMENT OF TRANSPORTATION

Design No. #### Design Sheet No. 000 of #### FHWA No. ####

FILE NO.	ENGLISH	DESIGN TEAM	COUNTY	PROJECT NUMBER	SHEET NUMBER V.15	

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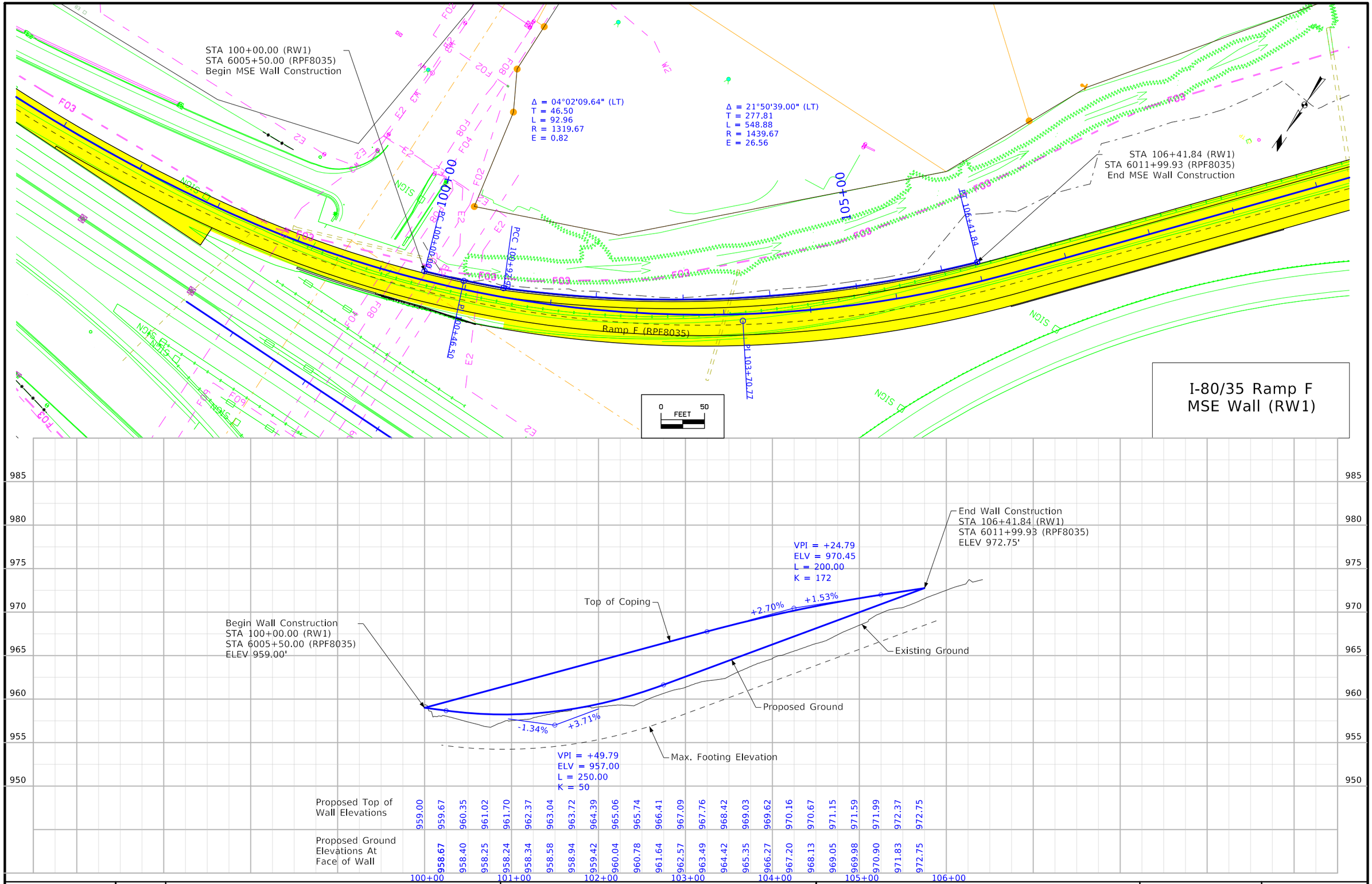

Proposed Top of Wall Elevations	959.00	959.67	960.35	961.02	961.70	962.37	963.04	963.72	964.39	965.06	965.74	966.41	967.09	967.76	968.42	969.03	969.62	970.16	970.67	971.15	971.59	971.99	972.37	972.75
Proposed Ground Elevations At Face of Wall		958.67	958.40	958.25	958.24	958.34	958.58	958.94	959.42	960.04	960.78	961.64	962.57	963.49	964.42	965.35	966.27	967.20	968.13	969.05	969.98	970.90	971.83	972.75

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER V.16

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Δ = 01°24'37.01" (LT)
T = 17.03
L = 34.06
R = 1383.69
E = 0.10

WB 1-235 (MLWB235)

00+00.2
POB 200+00.00

I-80 WB Ramp (RPWB80)

PT 204+24.86

PT 204+58.92

PI 204+41.89

STA 204+58.92 (RW2)
STA 3515+09.27, 14.33' LT (RPWB80)
End MSE Wall Construction

STA 200+00.00 (RW2)
STA 3510+50.00, 14.33' LT (RPWB80)
Begin MSE Wall Construction

SIGN

0 FEET 50

I-80 Westbound Ramp MSE Wall (RW2)

End Wall Construction
STA 204+58.92 (RW2)
STA 3515+09.27 (RPWB80)
ELEV 998.63'

Top of Coping

Begin Wall Construction
STA 200+00.00 (RW2)
STA 3510+50.00 (RPWB80)
ELEV 982.90'

Proposed Ground

STA 204+62.73
ELEV 976.23'

STA 200+00.00
ELEV 974.96'

Existing Ground

Max. Footing Elevation

	200+00	201+00	202+00	203+00	204+00	205+00
Proposed Top of Wall Elevations	983.03	983.88	984.72	985.57	986.42	987.27	988.12	988.96	989.81	990.66	991.51	992.36	993.22	994.07	994.92	995.77	996.62	997.47	998.32
Proposed Ground Elevations at Face of Wall	974.96	974.93	974.91	974.89	974.86	974.84	974.82	974.79	974.77	974.77	974.94	975.10	975.26	975.42	975.58	975.74	975.91	976.07	976.23

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER V.17

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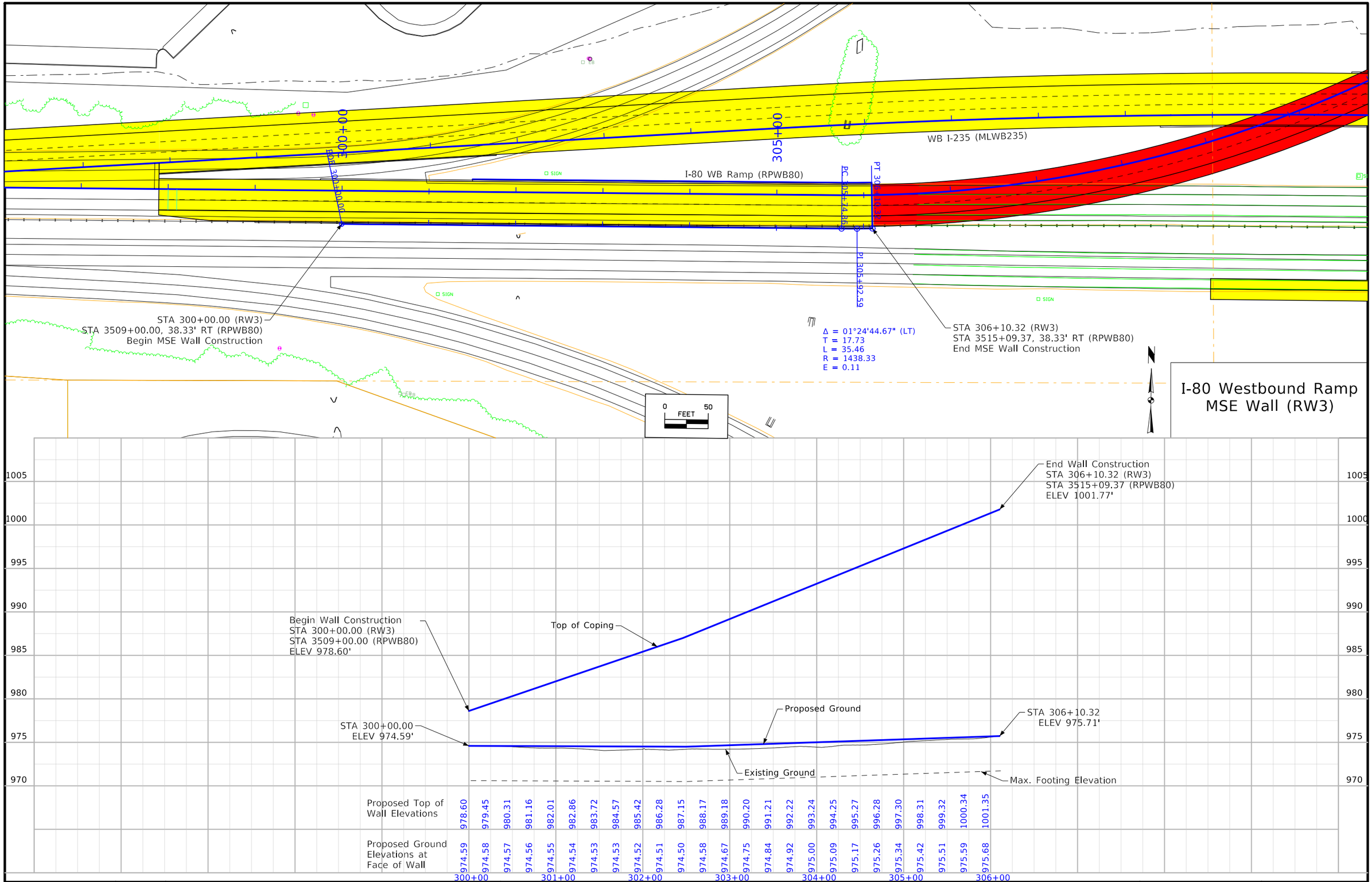

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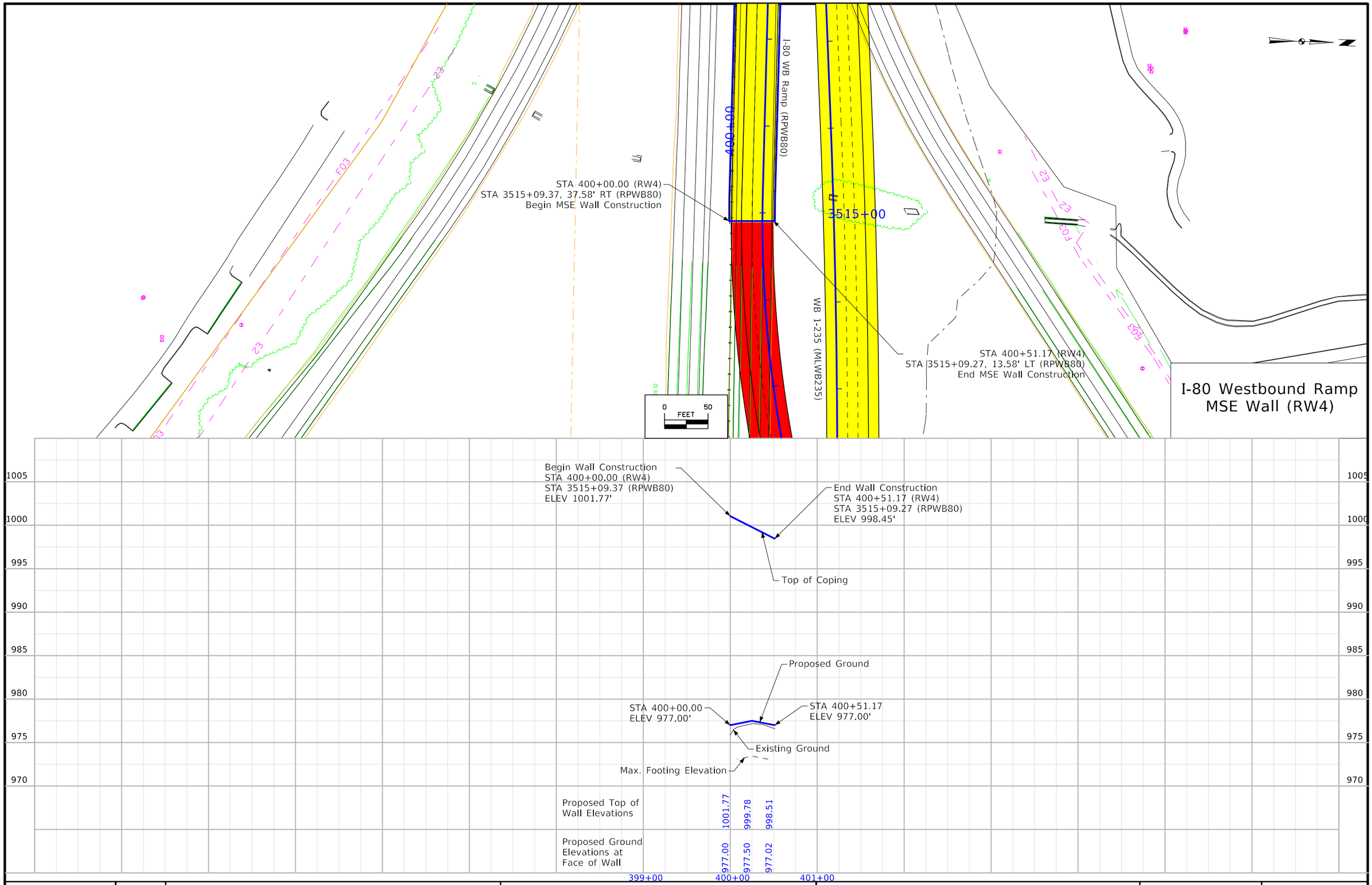

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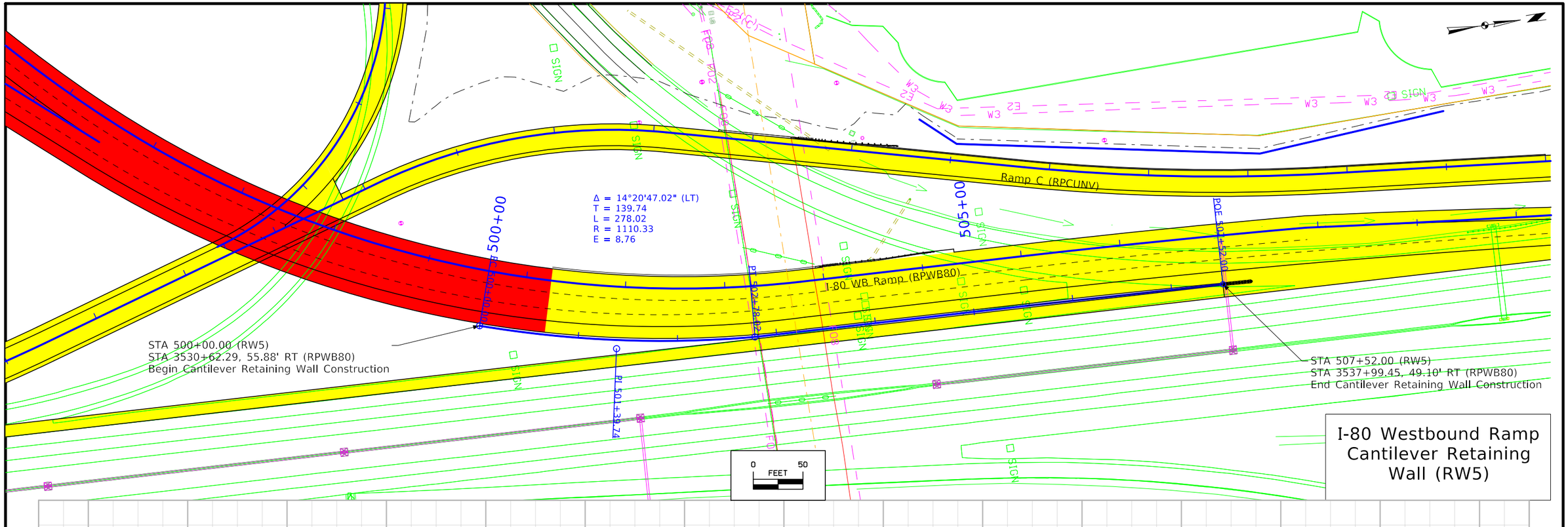

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STA 600+00.00 (RW6)
STA 3349+65.00, 37.53' LT (RPCUNV)
Begin MSE Wall Construction

STA 605+39.52 (RW6)
STA 3355+00.00, 56.22' LT (RPCUNV)
End MSE Wall Construction

600+00

605+00

POB 600+00.00

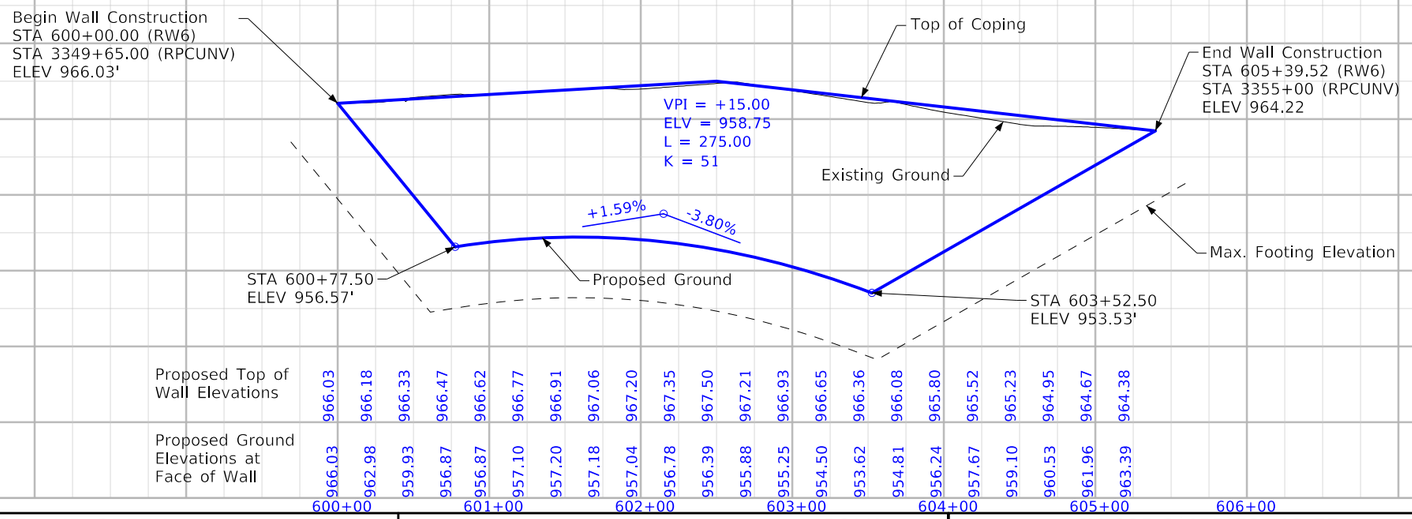
POE 605+39.52

Ramp C (RPCUNV)

I-80 WB Ramp (RPWB80)

0 FEET 50

University Avenue
Ramp C
MSE Wall (RW6)



Proposed Top of Wall Elevations	966.03	966.18	966.33	966.47	966.62	966.77	966.91	967.06	967.20	967.35	967.50	967.21	966.93	966.65	966.36	966.08	965.80	965.52	965.23	964.95	964.67	964.38
Proposed Ground Elevations at Face of Wall	966.03	962.98	959.93	956.87	956.87	957.10	957.20	957.18	957.04	956.78	956.39	955.88	955.25	954.50	953.62	954.81	956.24	957.67	959.10	960.53	961.96	963.39
	600+00				601+00			602+00			603+00			604+00			605+00			606+00		

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER V.21

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CROSS SECTION VIEW COLOR LEGEND

Design Color No.	Feature
Aggregate	
(64)	Choke Stone
(42)	Engineering Fabric
(8)	Flooded Backfill
(92)	Macadam Stone
(20)	Modified
(12)	Plowing Shaping
(14)	Porous Backfill
(8)	Revetment Class A
(6)	Revetment Class B
(62)	Revetment Class C
(188)	Revetment Class D
(28)	Revetment Class E
(12)	Shoulder Special Backfill
(12)	Special Backfill
(20)	Subbase
(20)	Subbase Lower
(20)	Subbase Upper
(118)	Subgrade Treatment
Asphalt	
(207)	HMA Base Course
(207)	HMA Interim Course
(207)	HMA Surface Course
Concrete	
(0)	Barrier Concrete
(0)	Barrier Concrete Footing
(0)	Curb Gutter
(48)	Flowable Mortar
(0)	Median Concrete
(0)	PCC Pavement
(0)	Sidewalk
Shoulder	
(209)	Shoulder HMA
(0)	Shoulder PCC
(6)	Shoulder Granular
Existing	
(0)	Existing Pavement
Structural	
(112)	Noise Wall
(112)	Noise Wall Footing
(112)	Retaining Wall Back
(112)	Retaining Wall Back Excavate
(112)	Retaining Wall Face
(112)	Retaining Wall Front Excavate
(112)	Retaining Wall Front Footing
(112)	Retaining Wall MSE Gutter
(112)	Retaining Wall Reinforced Earth
Grading	
(8)	Behind Curb Cut
(6)	Granular
(13)	Granular Back Fill
(48)	Rock Undercut
(8)	Shoulder Earth Fill
(2)	Side Slopes
(226)	Side Slopes Dressing
Substrata	
(128)	Boulder Substrata
(48)	Broken Weathered Substrata
(3)	Core Out Substrata
(203)	Existing Pavement Substrata
(6)	Loam Substrata
(80)	Rock Substrata
(4)	Select Sand Substrata
(3)	Shale Substrata
(10)	Topsoil Substrata
Unsuitable / Waste	
(3)	Unsuitable Type A
(13)	Unsuitable Type B
(11)	Unsuitable Type C
(3)	Waste

NOTES:

Text

NOTES:

Text

CROSS SECTIONS
LEGEND AND INFORMATION SHEET

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

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.1	

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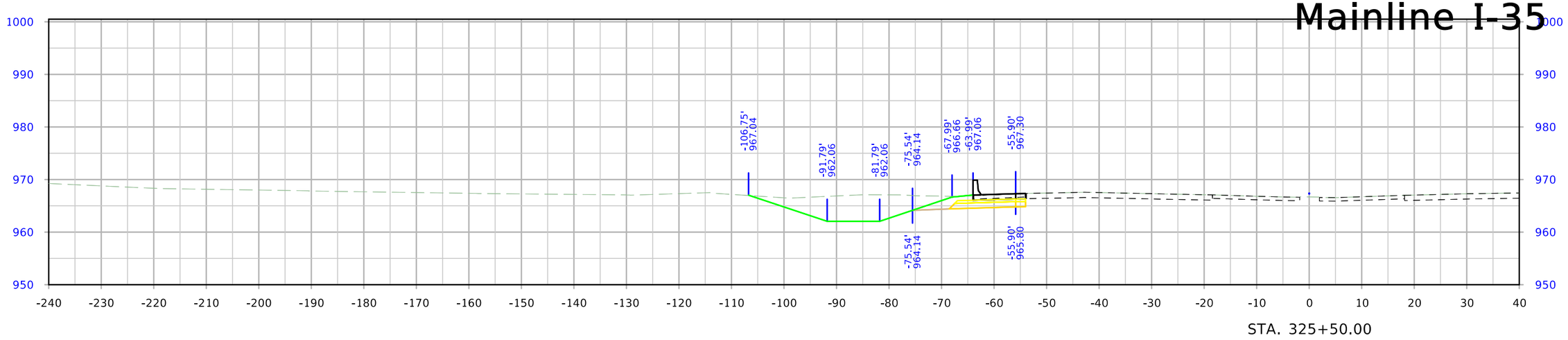

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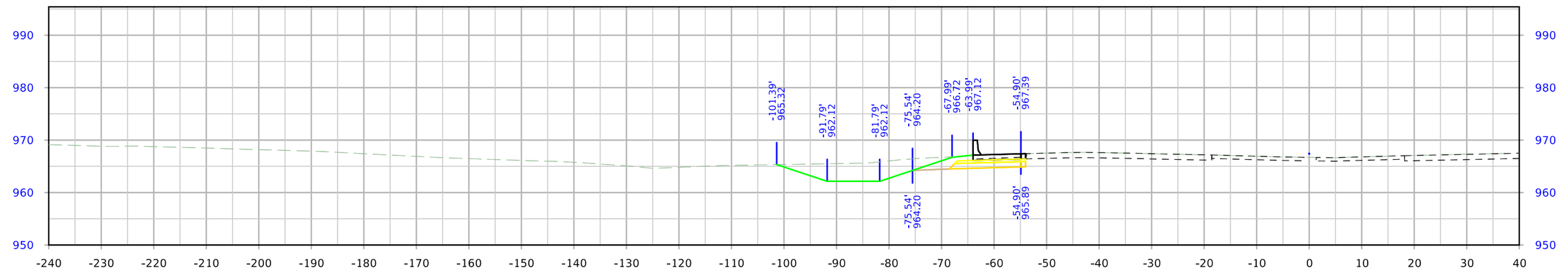

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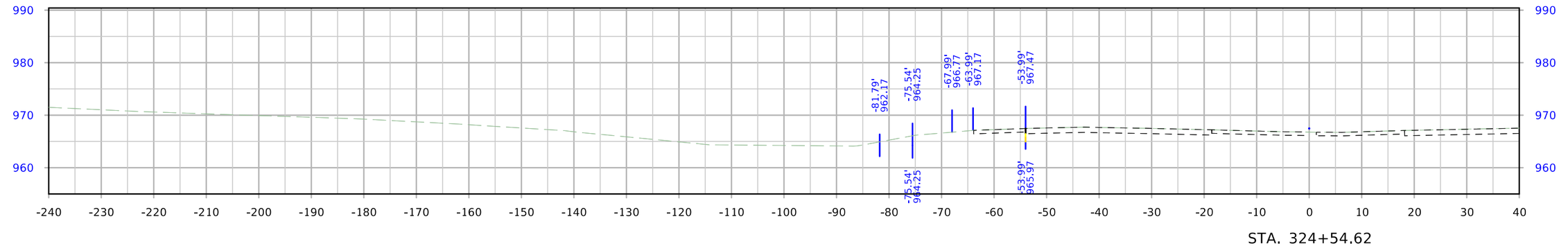

STA. 324+54.62

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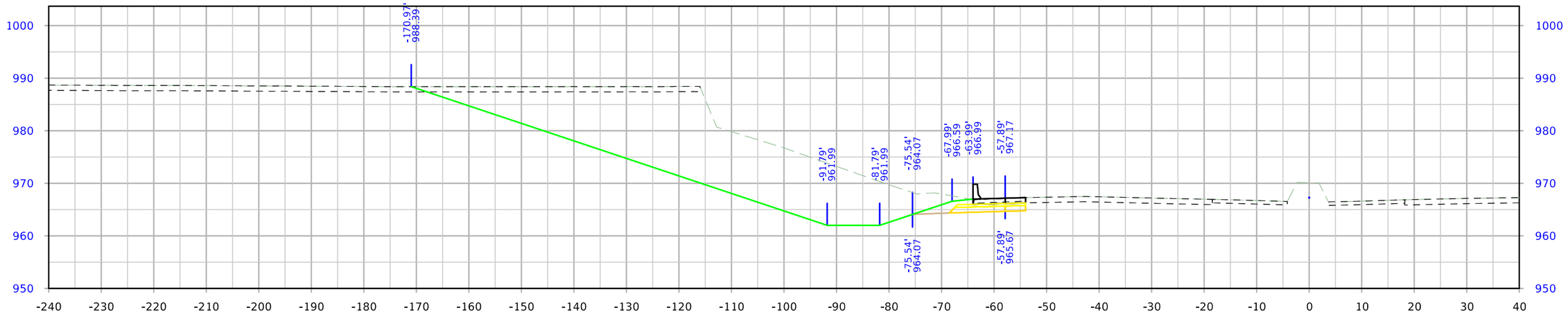
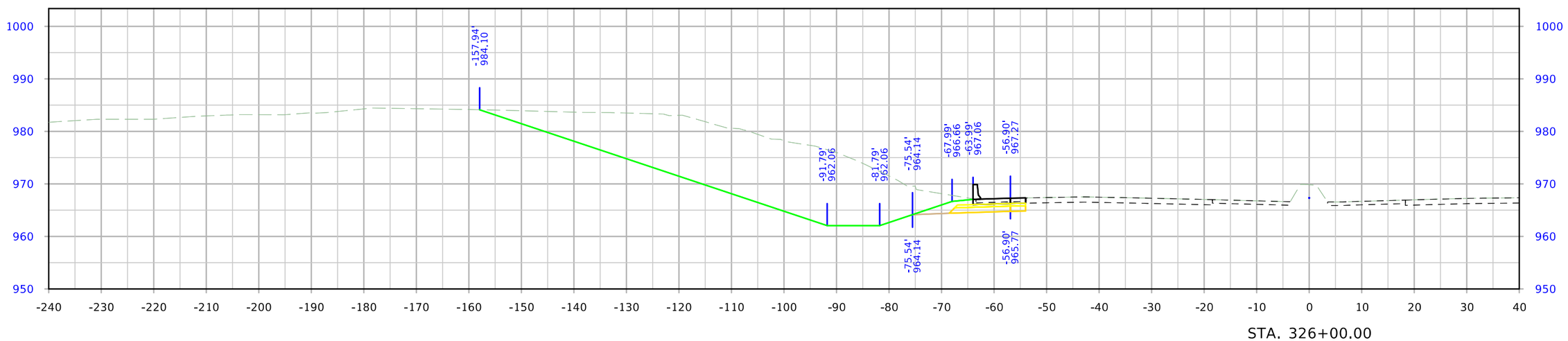
Mainline I-35





FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.3	

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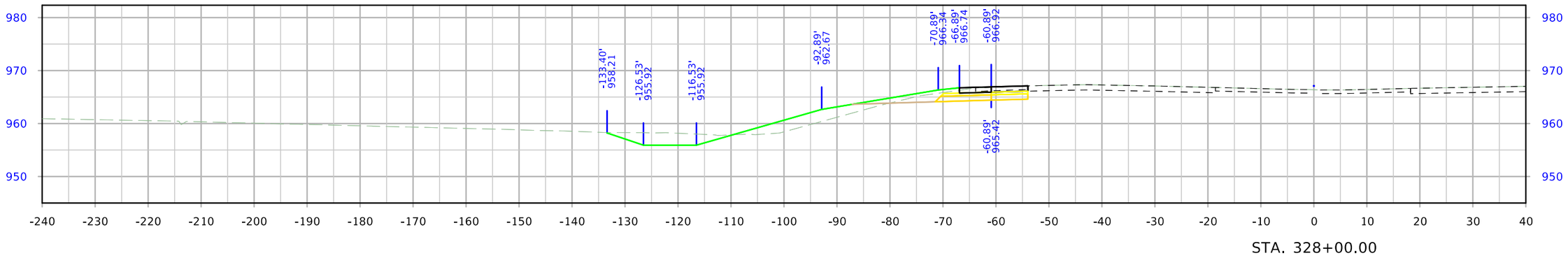
Mainline I-35



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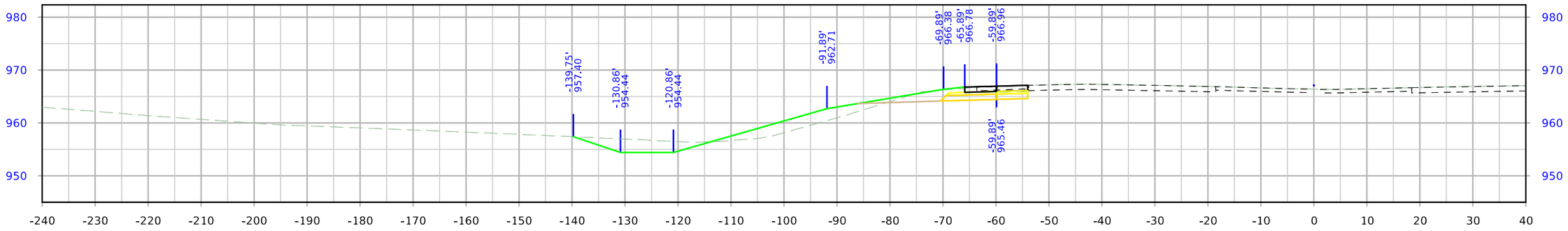

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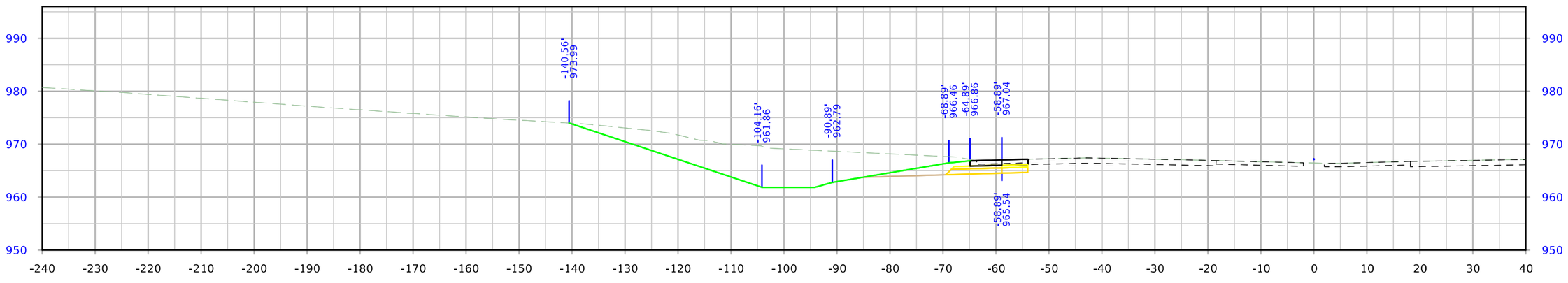

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FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.4

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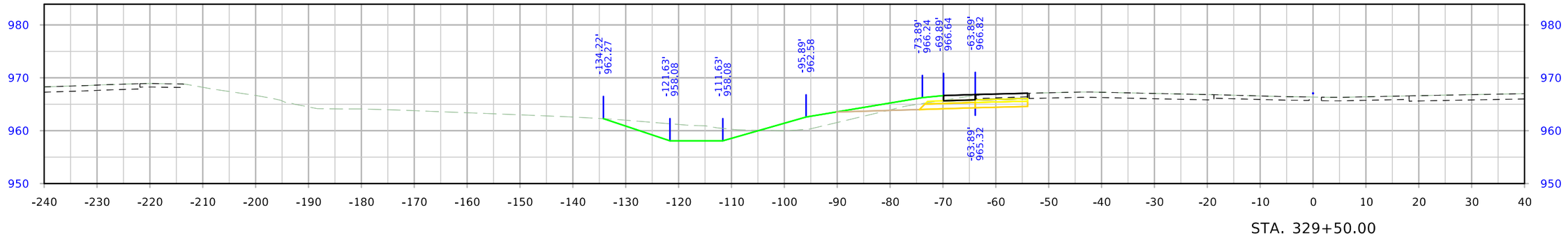
Mainline I-35



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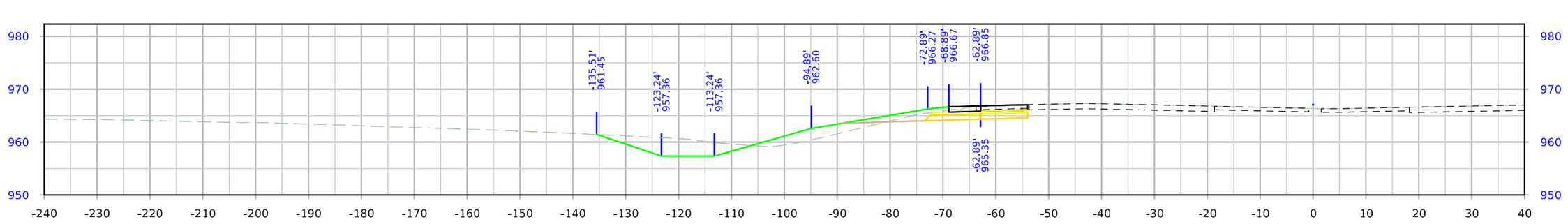
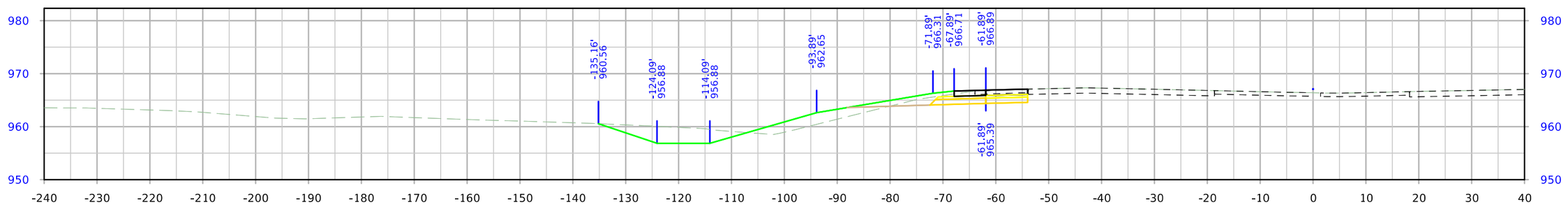


STA. 329+00.00



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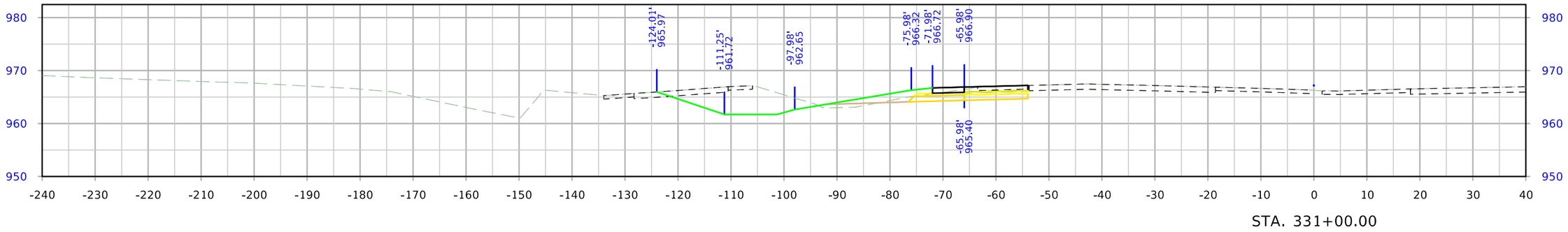
Mainline I-35



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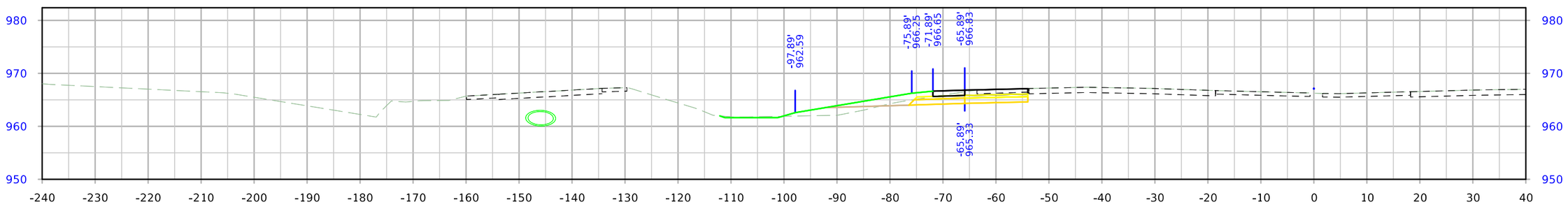
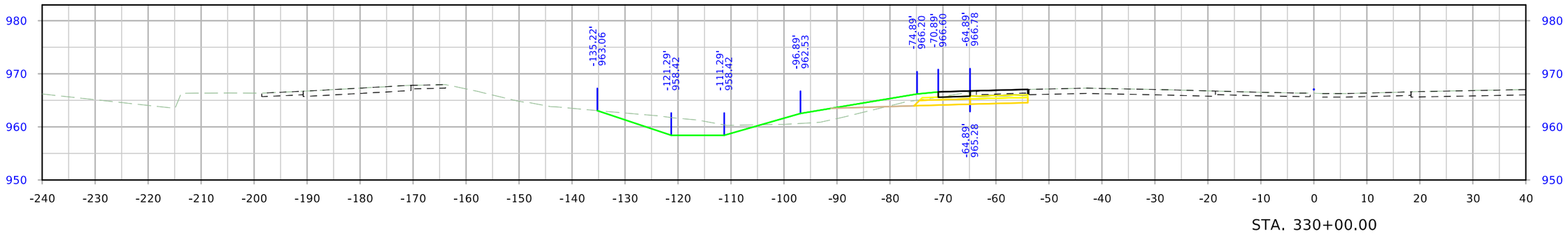


STA. 330+50.00

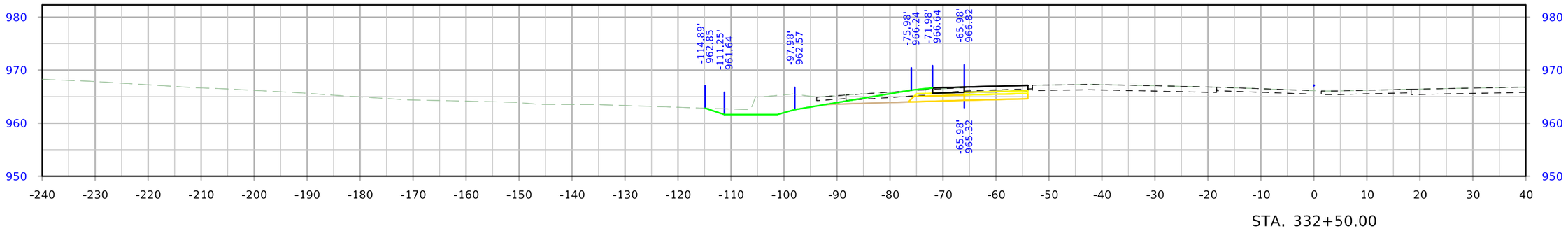


STA. 330+00.00

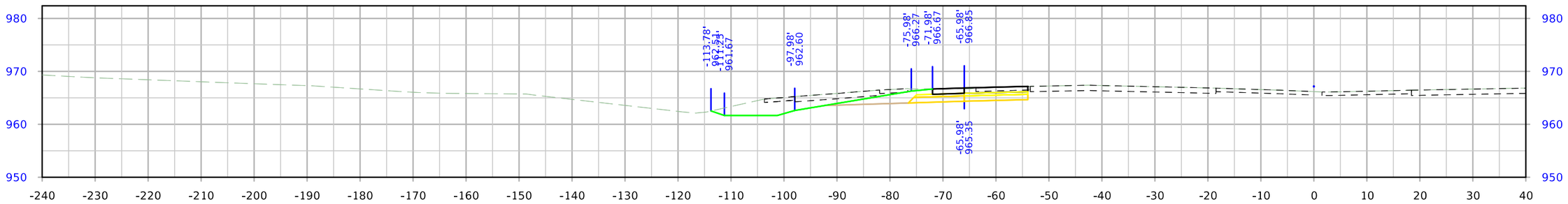
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.6

4:59:21 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W02_77035455_Z08.dgn

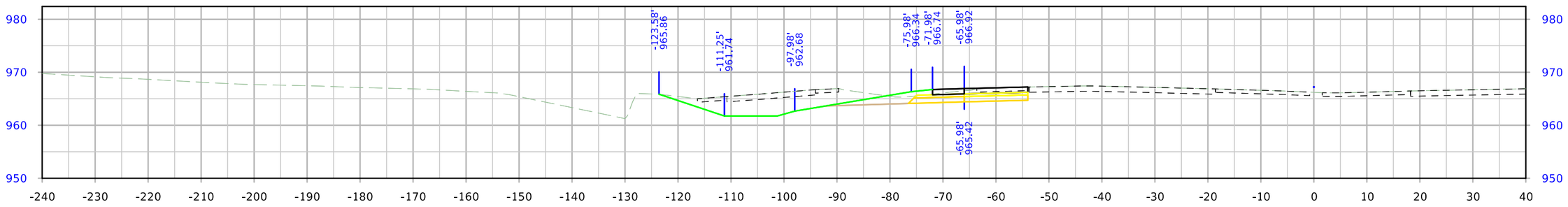
Mainline I-35



STA. 332+50.00



STA. 332+00.00

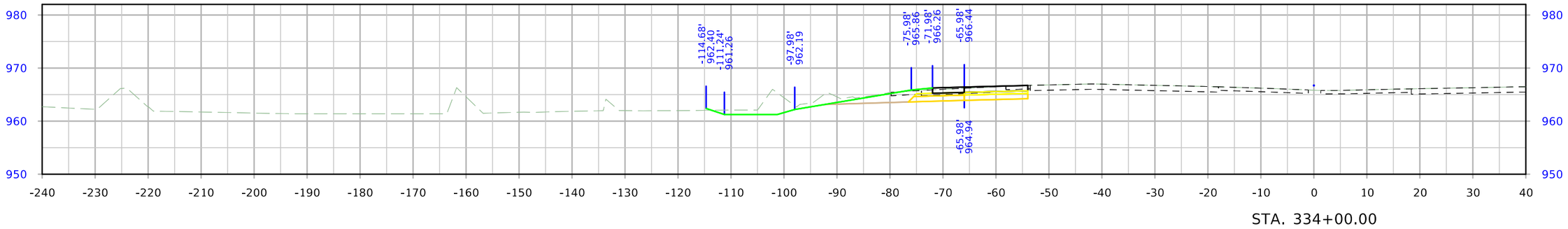


STA. 331+50.00

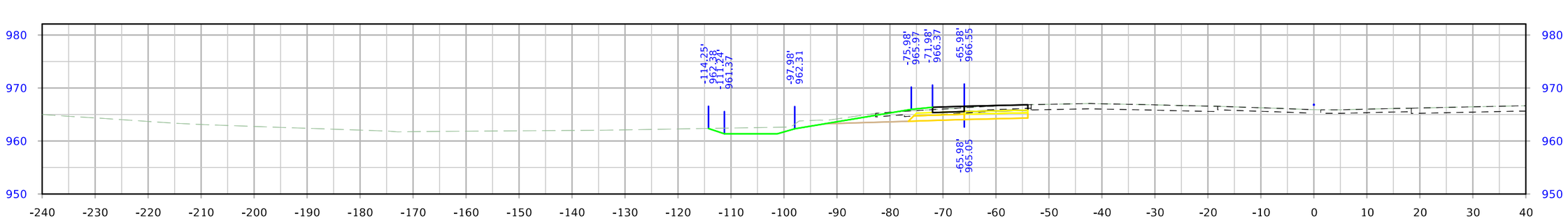
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.7

4:59:24 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W02_77035455_Z08.dgn

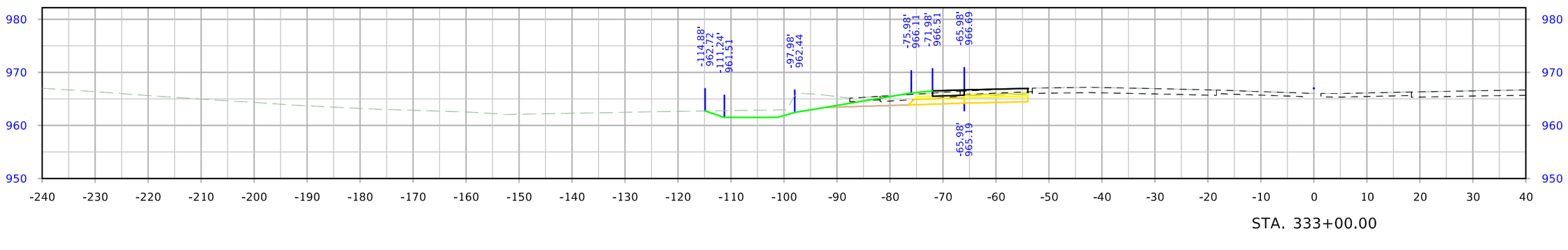
Mainline I-35



STA. 334+00.00



STA. 333+50.00

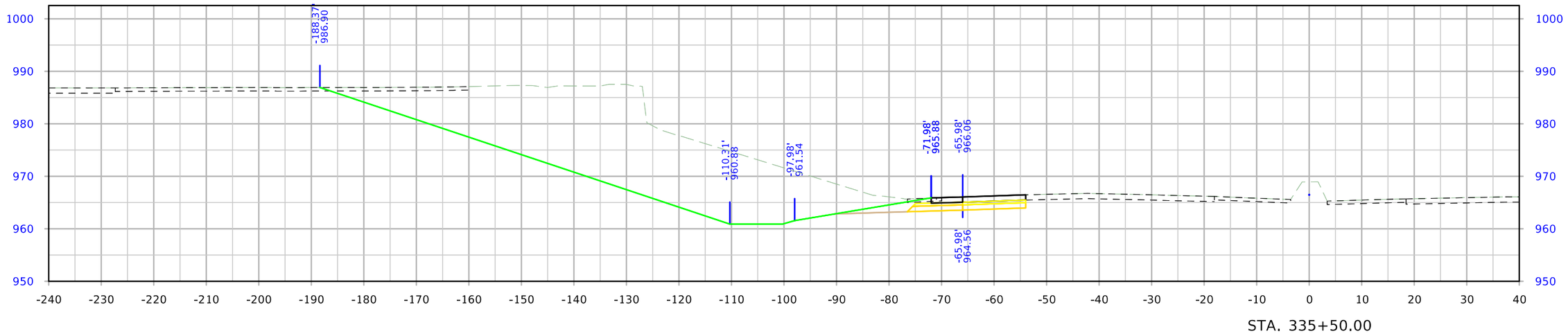


STA. 333+00.00

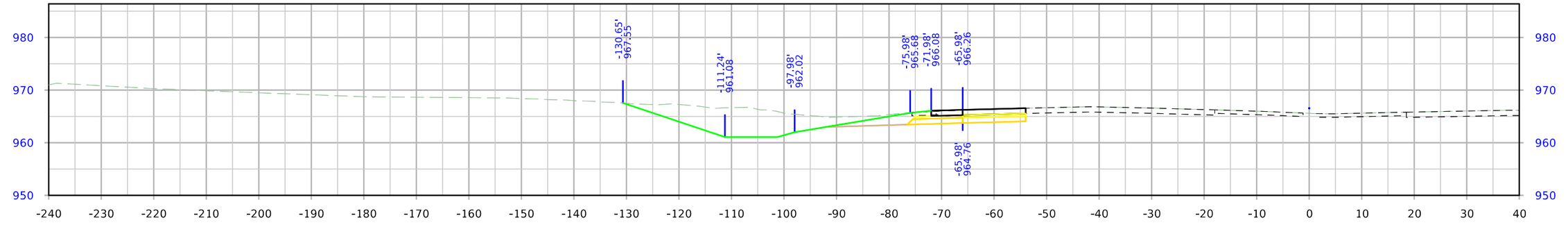
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.8

4:59:27 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W02_77035455_Z08.dgn

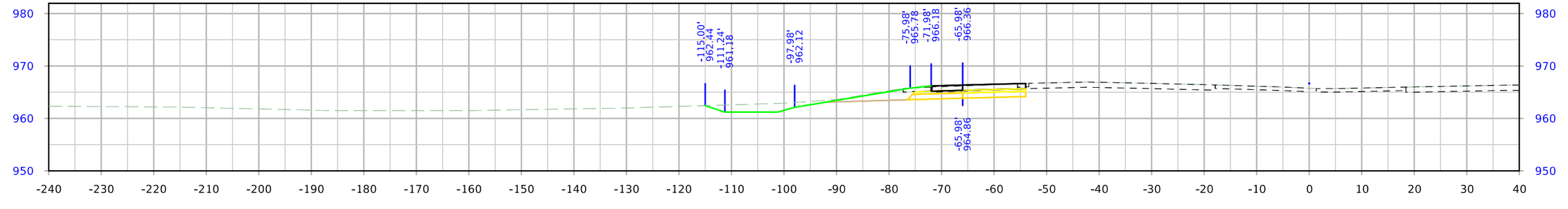
Mainline I-35



STA. 335+50.00



STA. 335+00.00

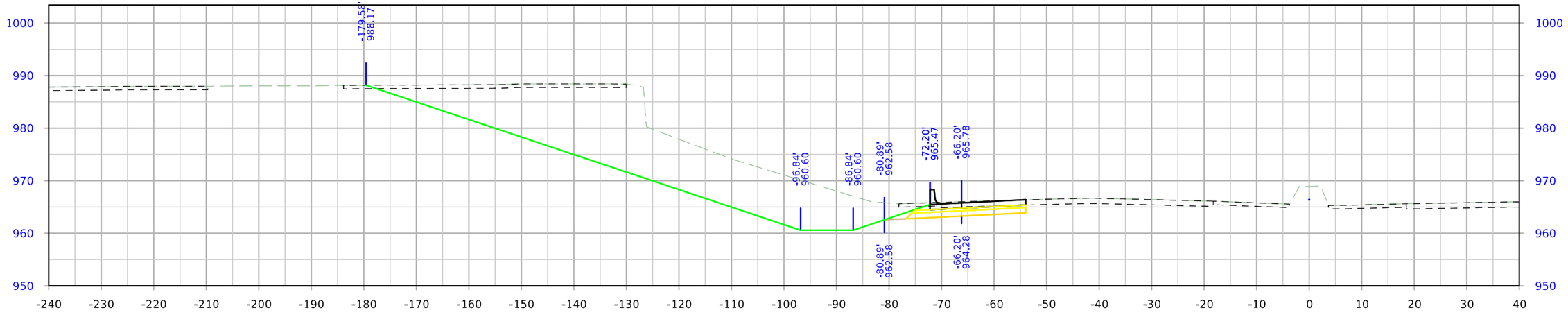


STA. 334+50.00

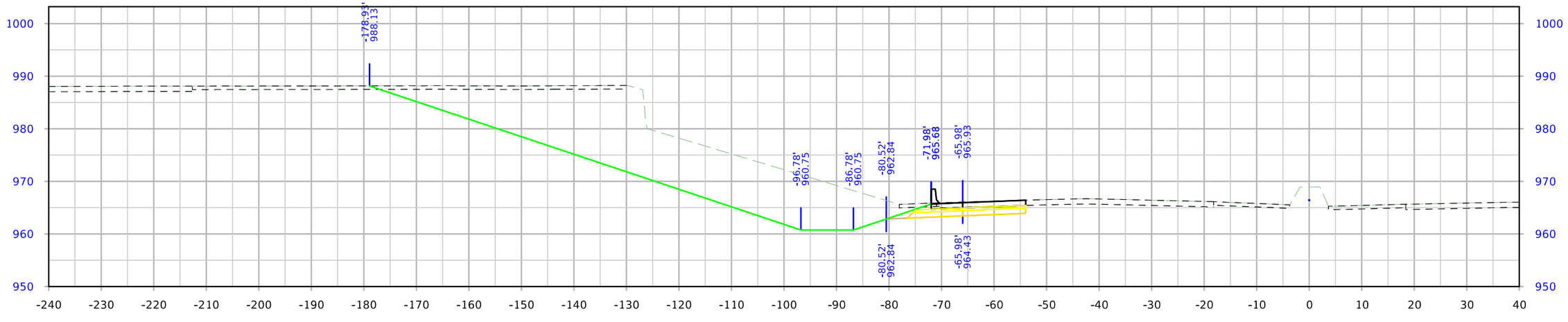
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.9

4:59:30 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W02_77035455_Z08.dgn

Mainline I-35



STA. 336+00.00

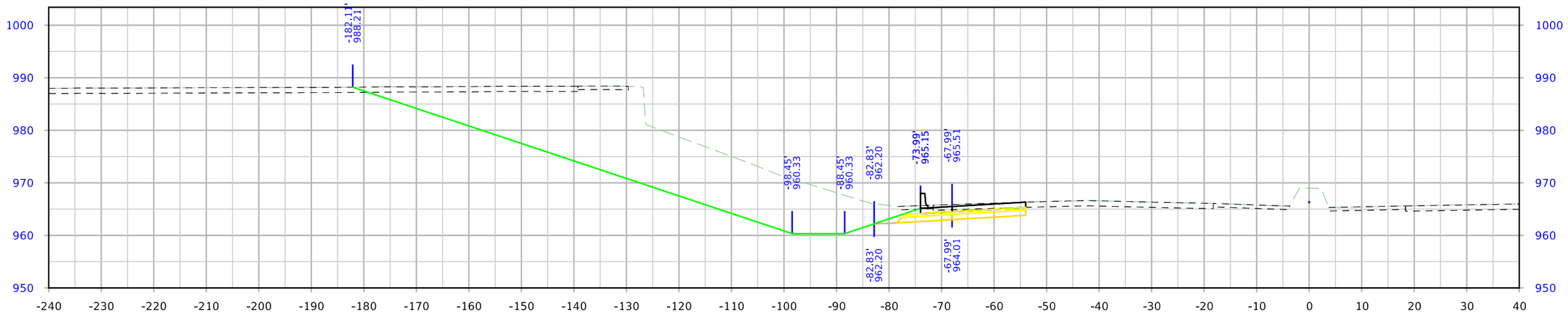


STA. 335+72.39

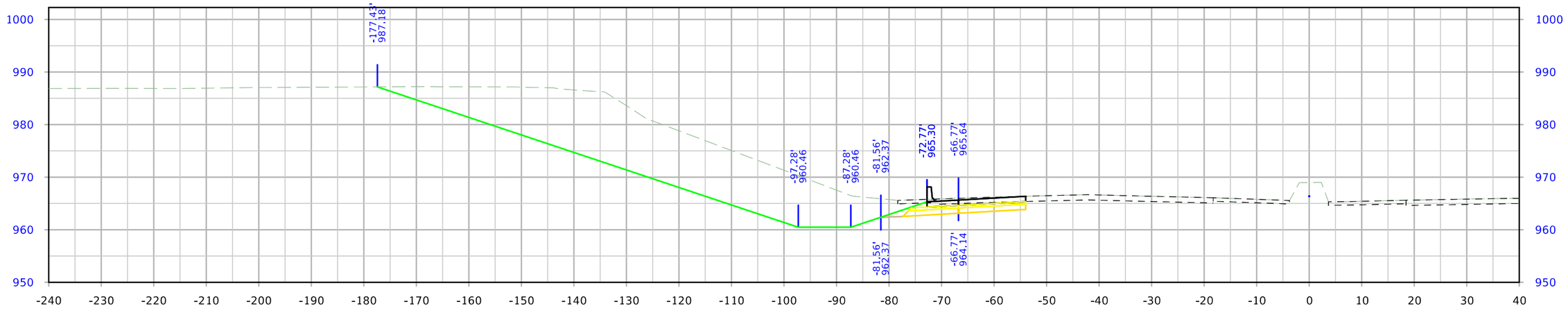
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.10

4:59:33 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W02_77035455_Z08.dgn

Mainline I-35



STA. 336+50.00

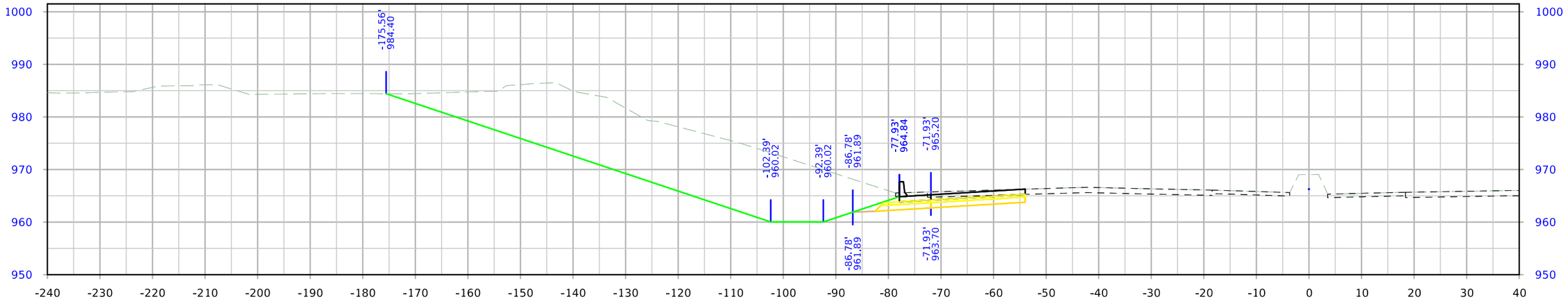


STA. 336+21.82

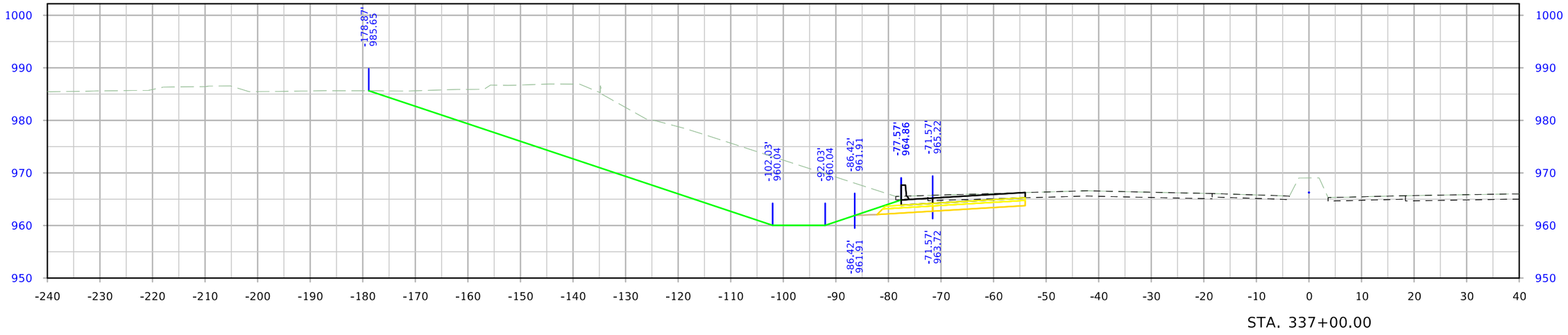
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.11

4:59:35 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W02_77035455_Z08.dgn

Mainline I-35



STA. 337+03.19

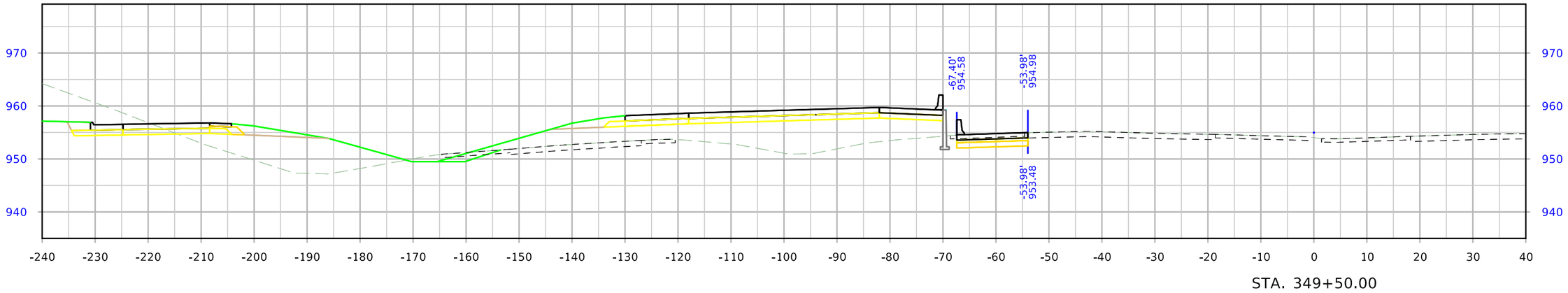


STA. 337+00.00

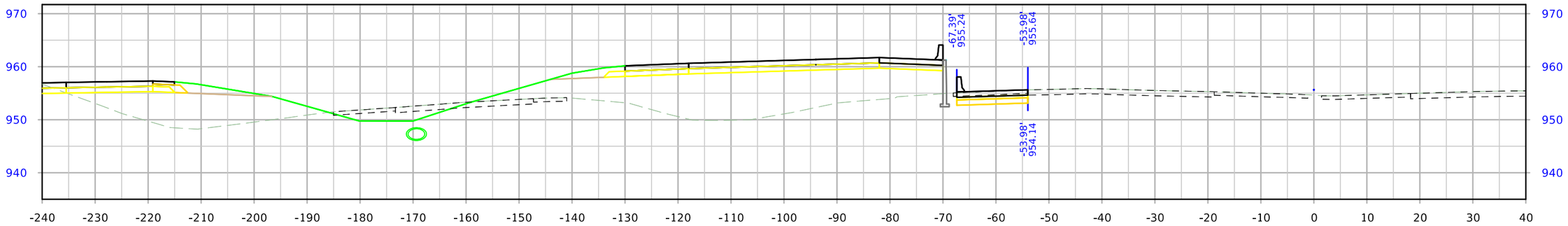
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.12

4:59:38 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W02_77035455_Z08.dgn

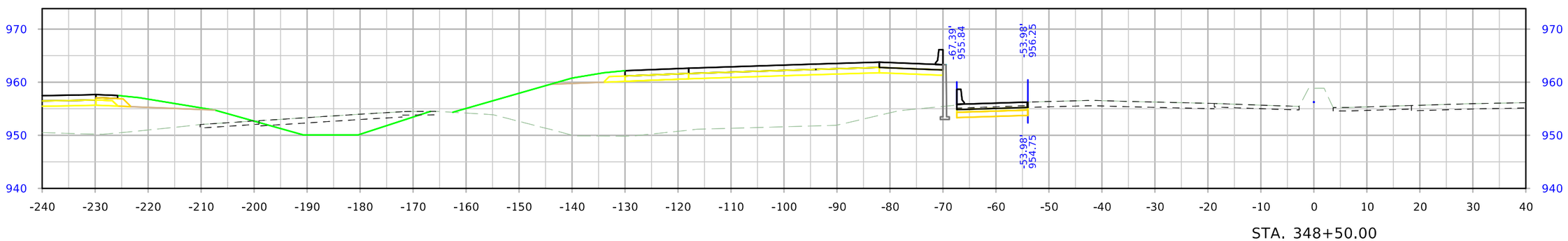
Mainline I-35



STA. 349+50.00



STA. 349+00.00

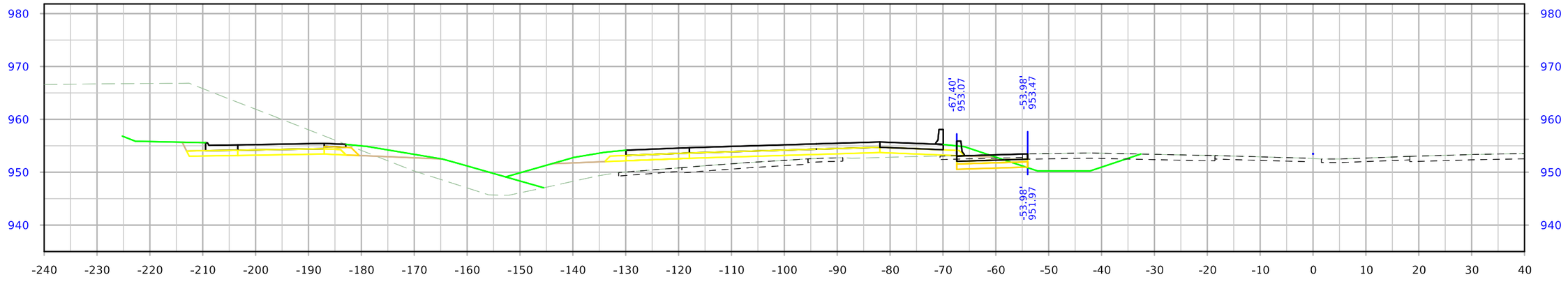


STA. 348+50.00

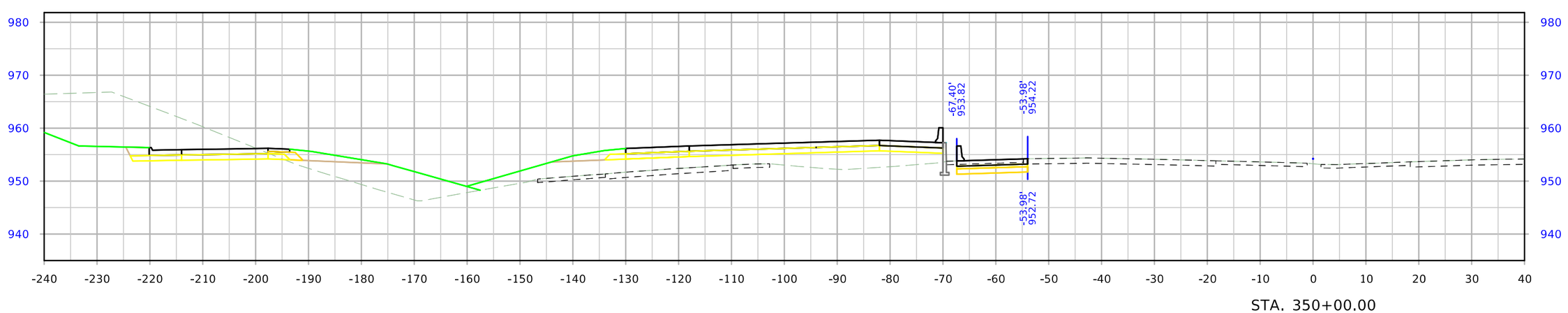
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.13

4:59:41 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W02_77035455_Z08.dgn

Mainline I-35



STA. 350+50.00

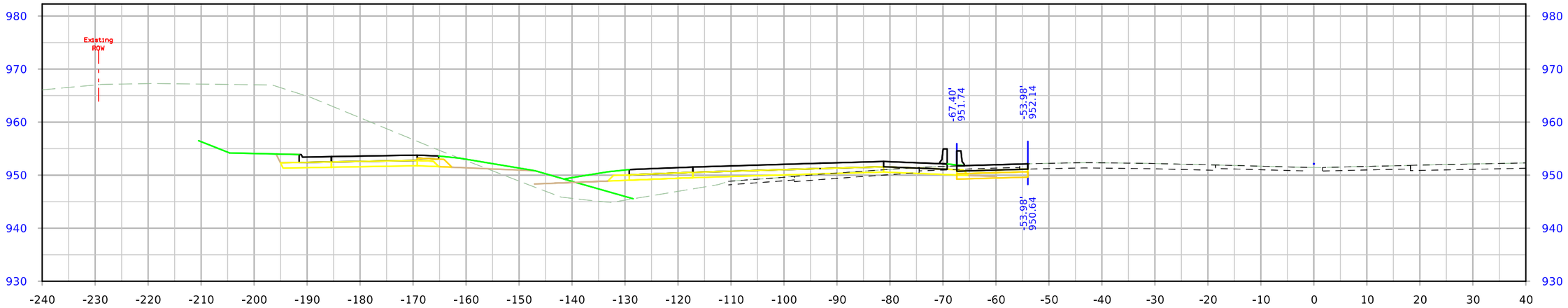


STA. 350+00.00

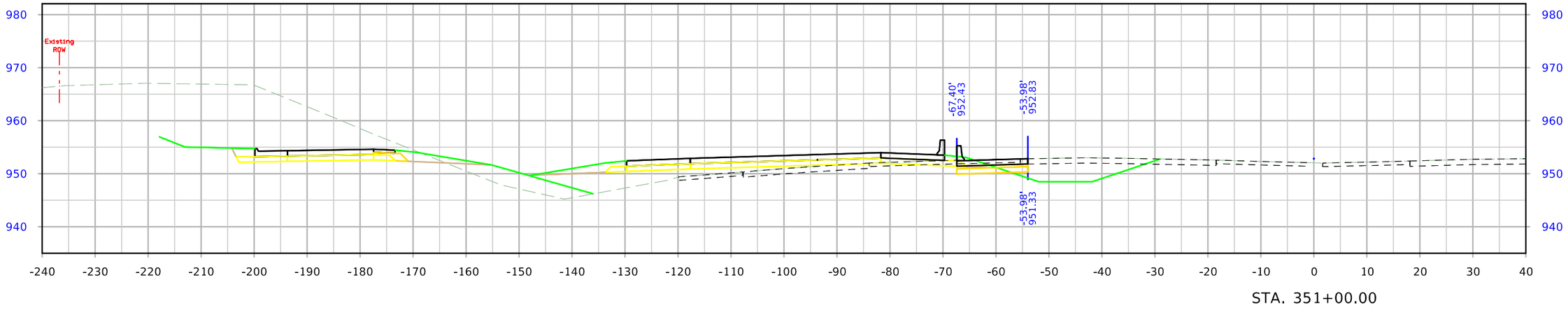
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.14

4:59:44 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W02_77035455_Z08.dgn

Mainline I-35



STA. 351+50.00



STA. 351+00.00

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.15

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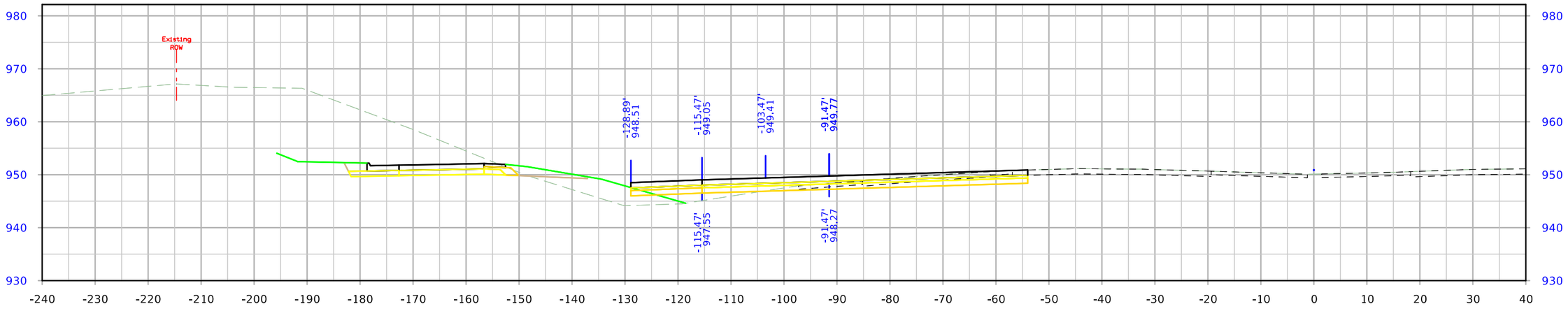
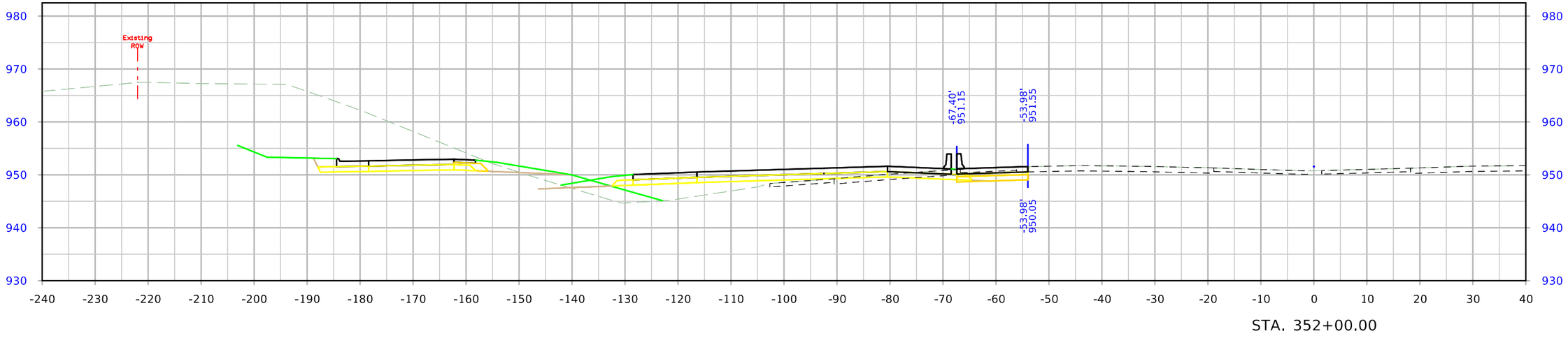
Mainline I-35



STA. 352+50.00

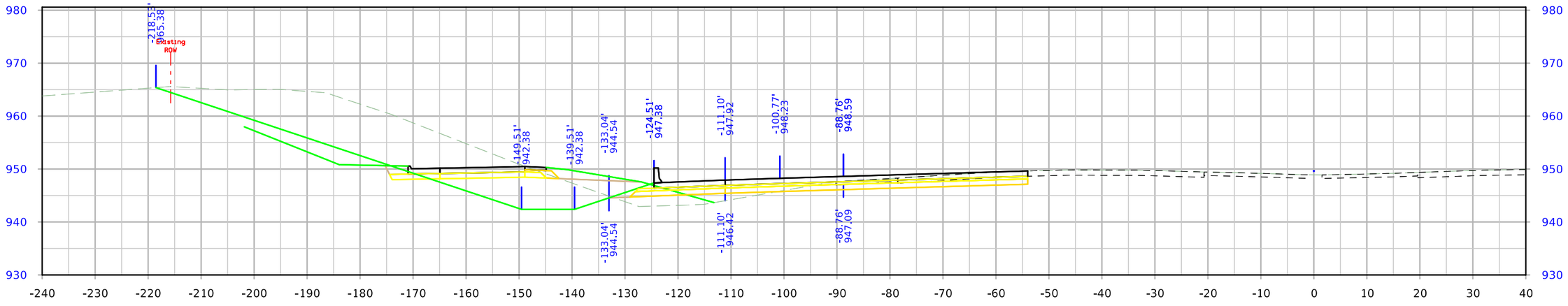


STA. 352+00.00

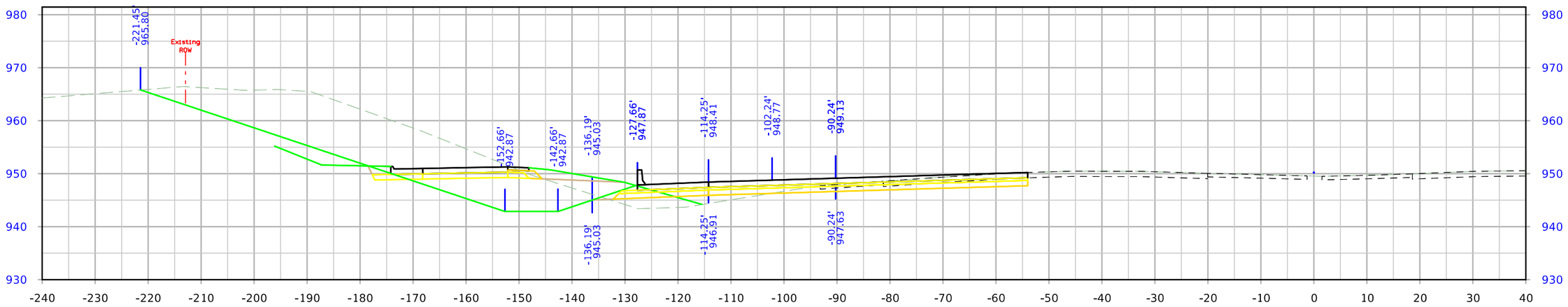
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.16

4:59:49 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W02_77035455_Z08.dgn

Mainline I-35



STA. 353+50.00



STA. 353+00.00

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.17	

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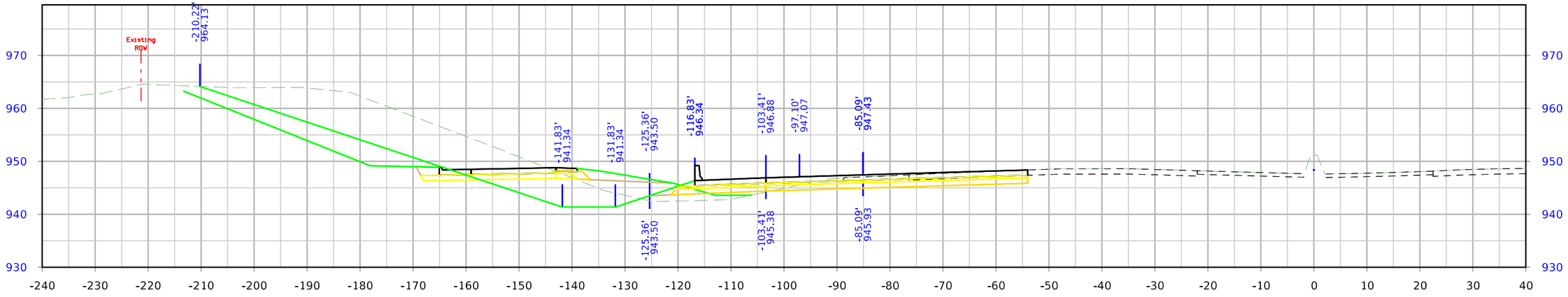
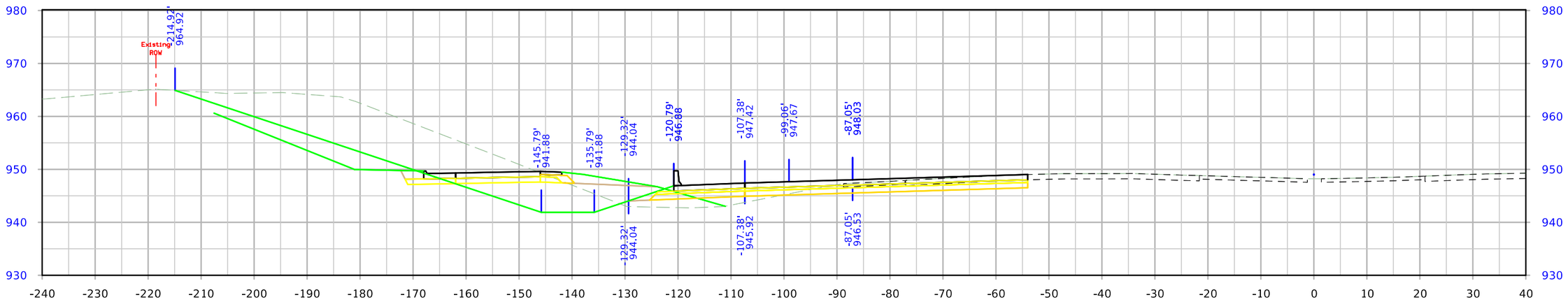
Mainline I-35



STA. 354+50.00

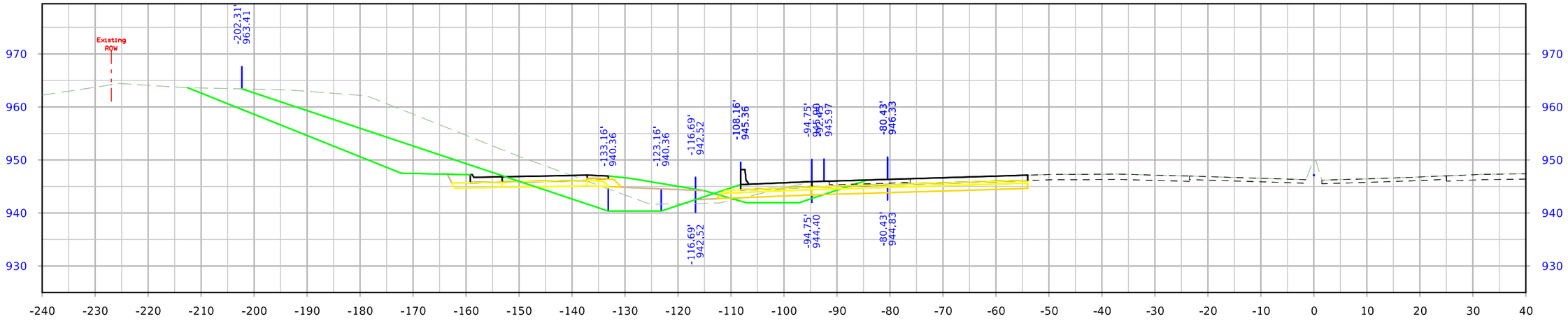


STA. 354+00.00

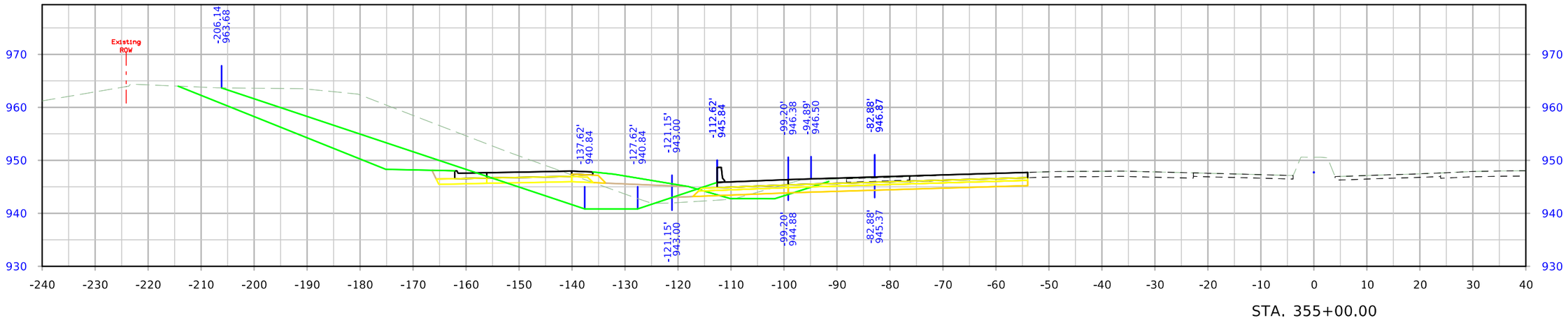
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.18

4:59:54 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W02_77035455_Z08.dgn

Mainline I-35



STA. 355+50.00

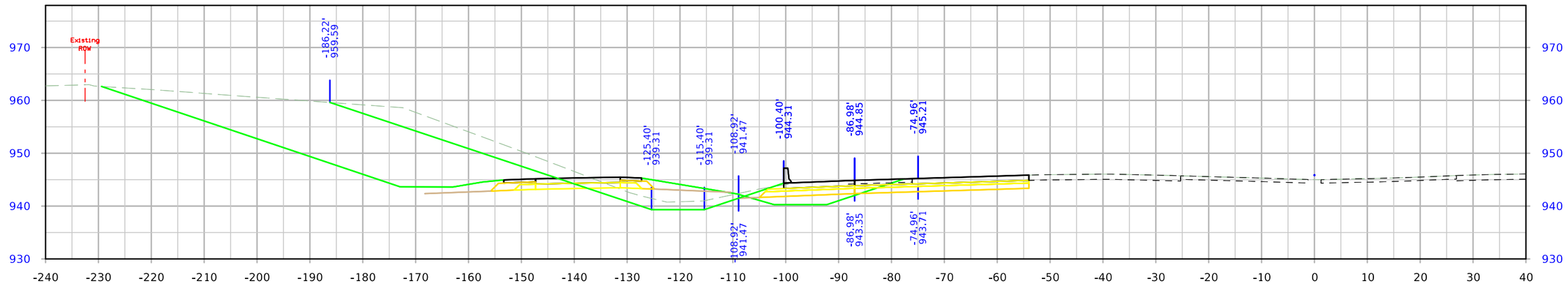


STA. 355+00.00

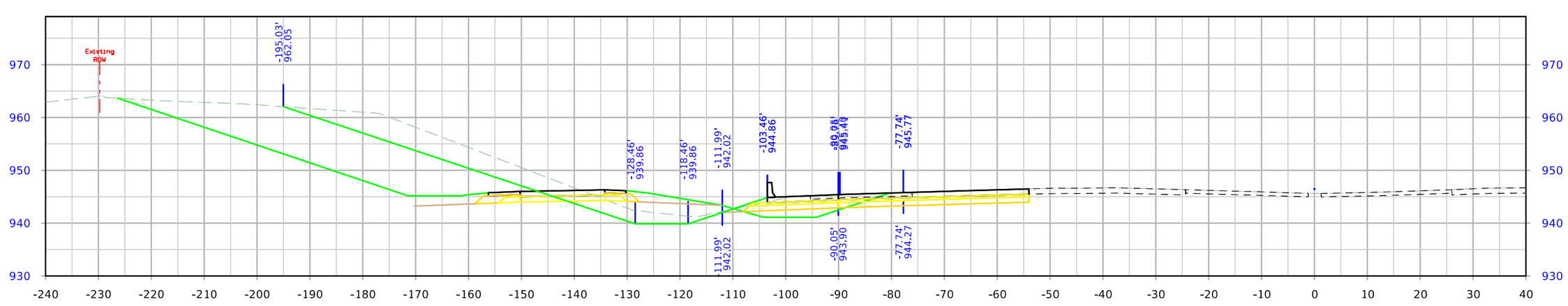
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.19

4:59:57 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W02_77035455_Z08.dgn

Mainline I-35



STA. 356+50.00

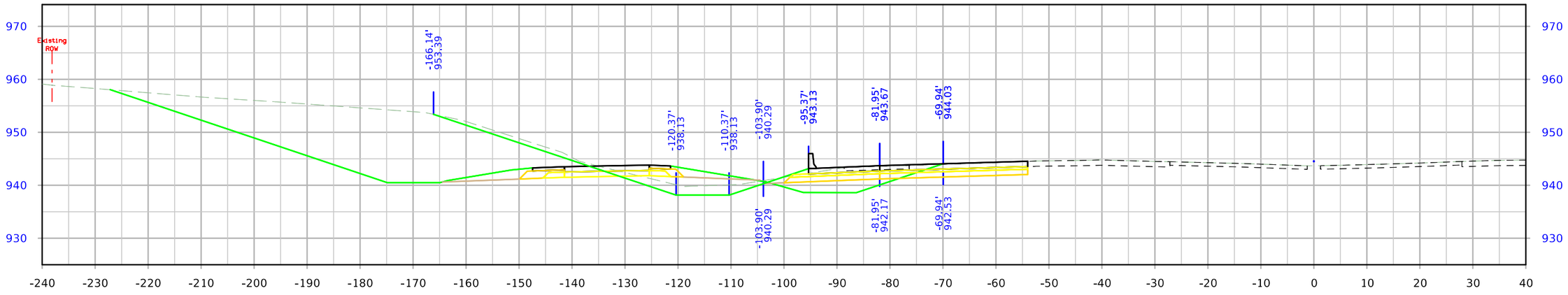


STA. 356+00.00

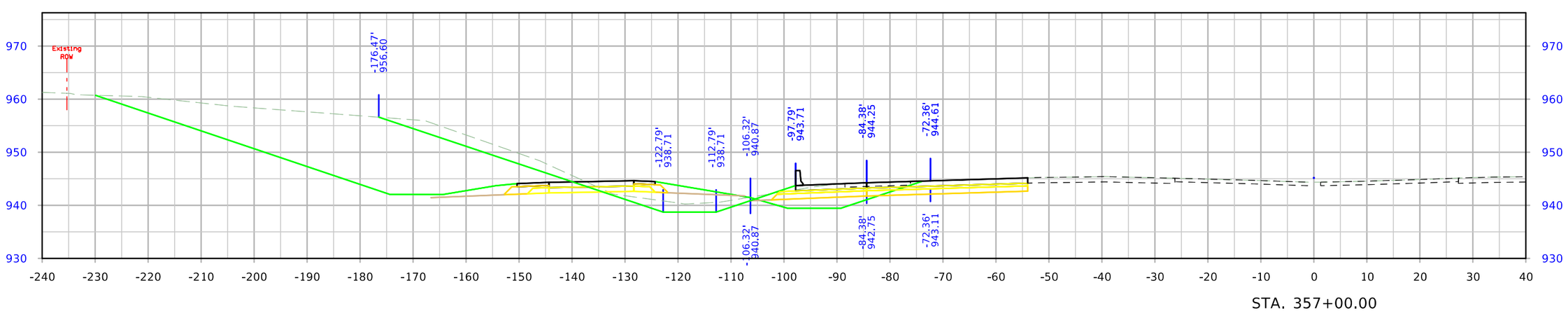
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.20

4:59:59 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W02_77035455_Z08.dgn

Mainline I-35



STA. 357+50.00

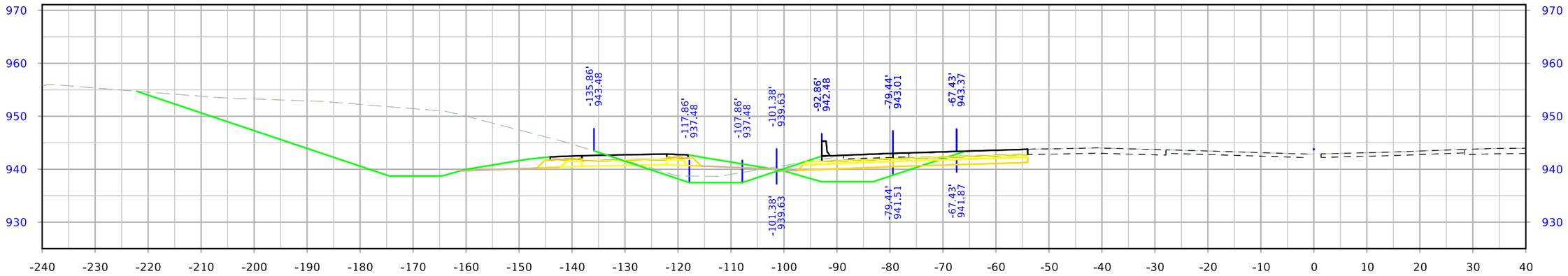


STA. 357+00.00

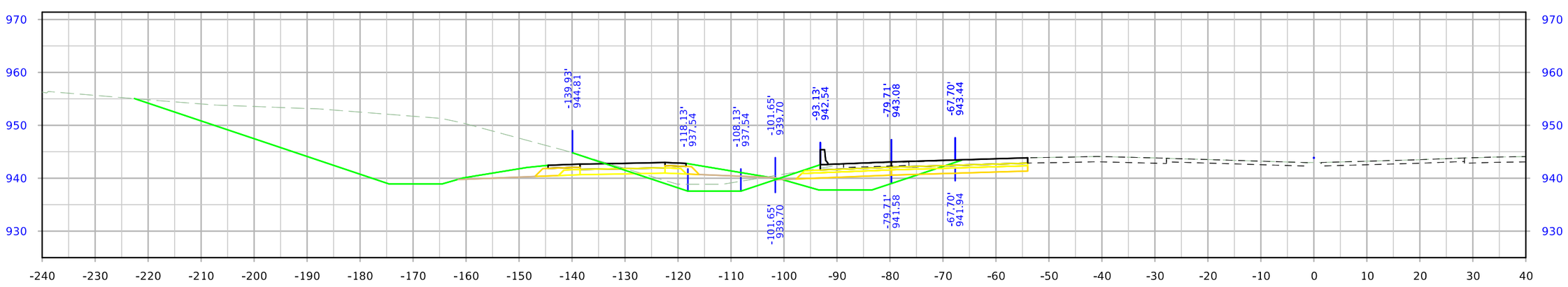
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.21

5:00:01 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W02_77035455_Z08.dgn

Mainline I-35



STA. 358+06.26

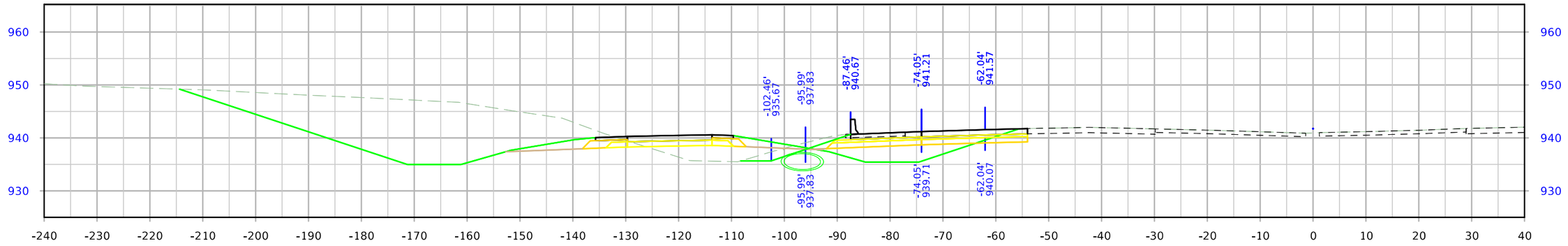


STA. 358+00.00

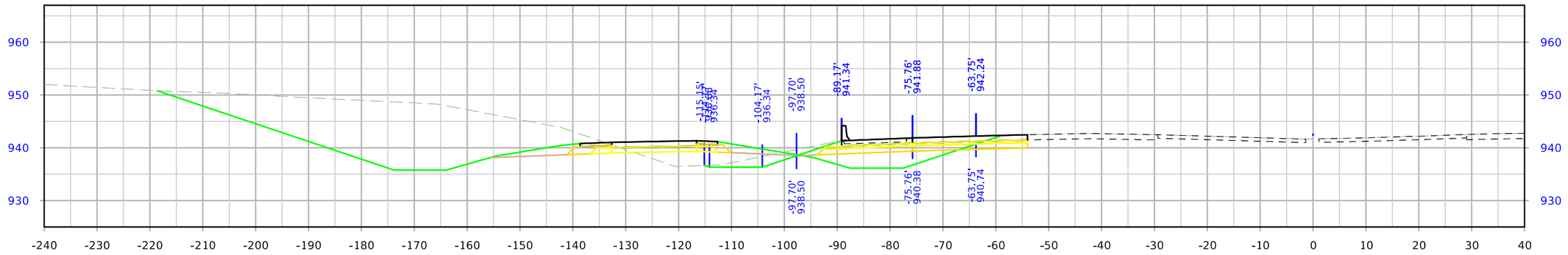
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.22

5:00:03 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W02_77035455_Z08.dgn

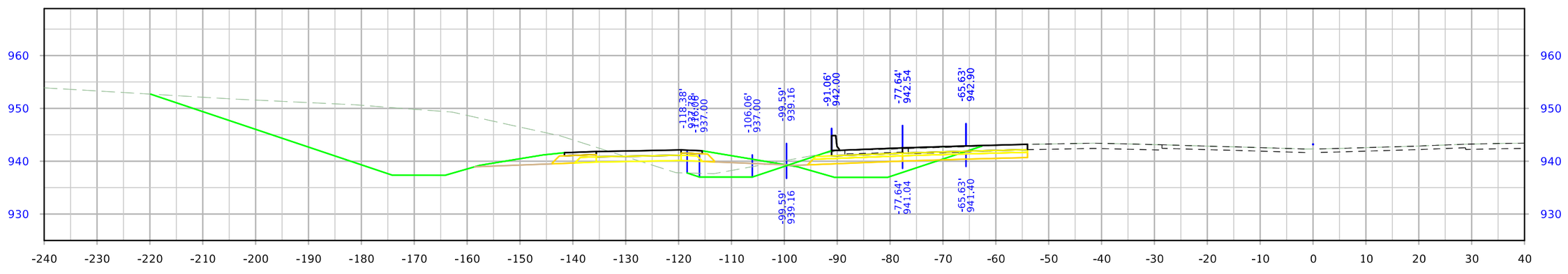
Mainline I-35



STA. 359+50.00



STA. 359+00.00

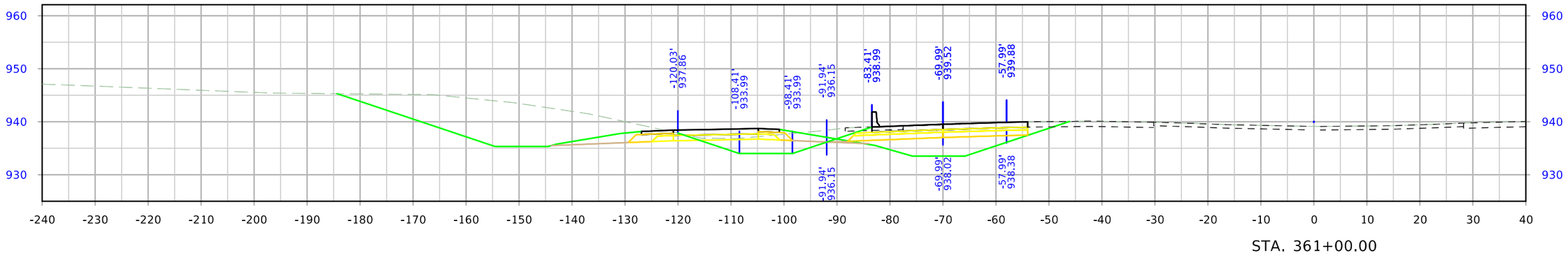


STA. 358+50.00

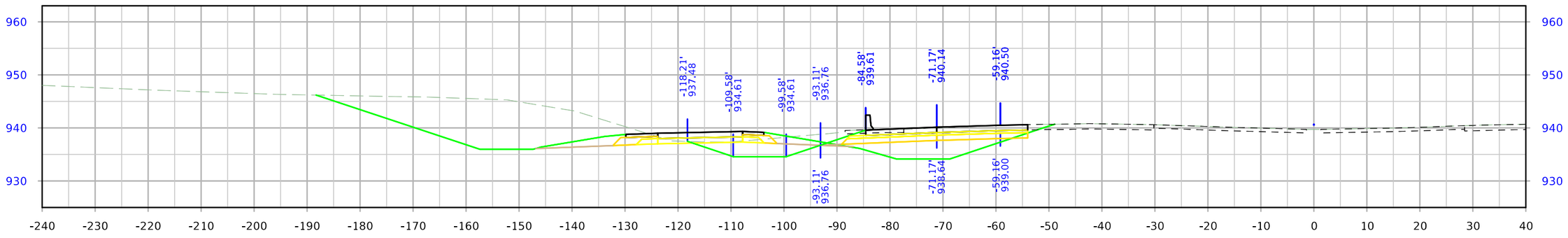
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.23

5:00:06 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W02_77035455_Z08.dgn

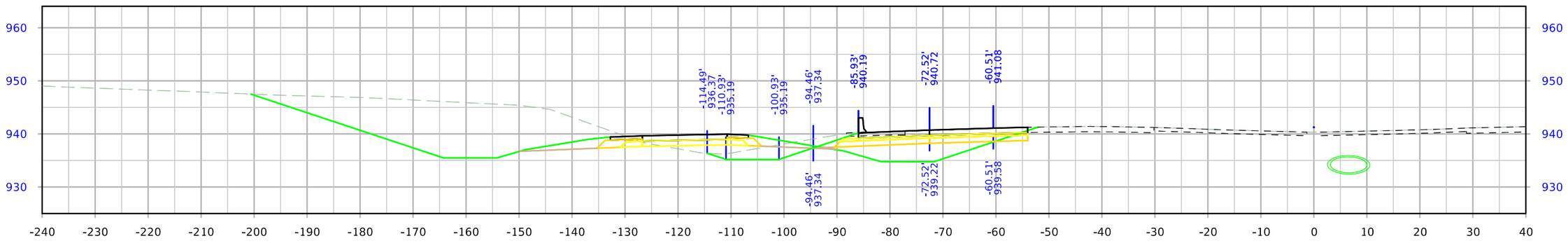
Mainline I-35



STA. 361+00.00



STA. 360+50.00

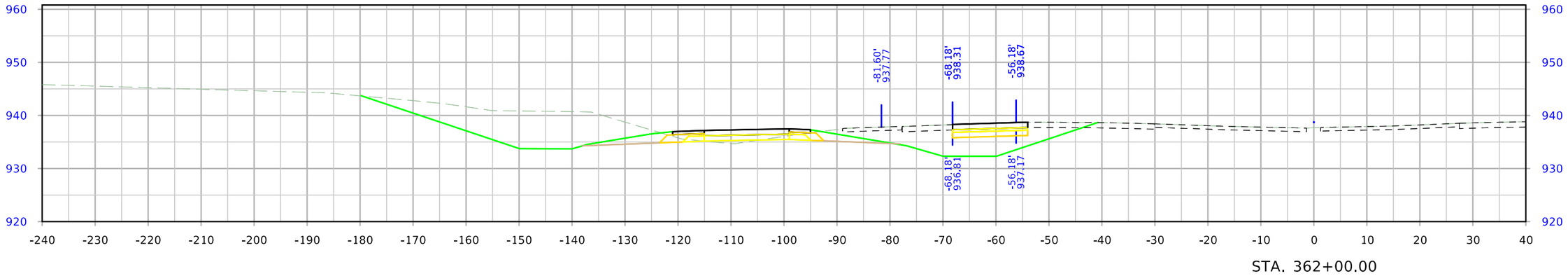


STA. 360+00.00

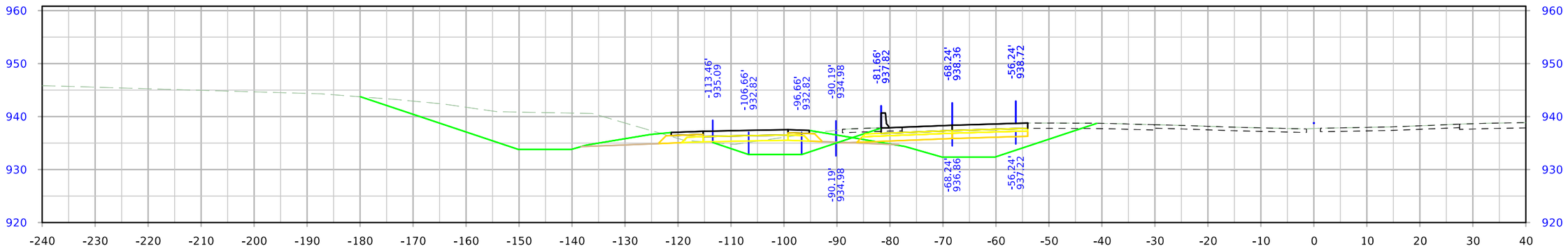
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.24

5:00:10 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W02_77035455_Z08.dgn

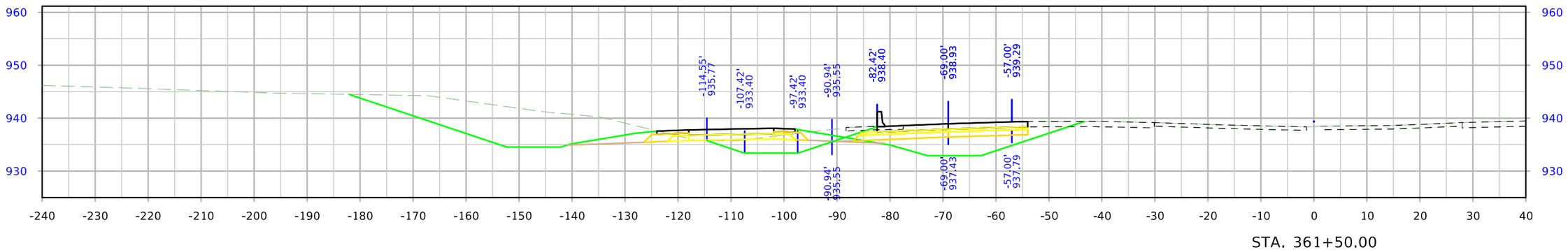
Mainline I-35



STA. 362+00.00



STA. 361+95.85

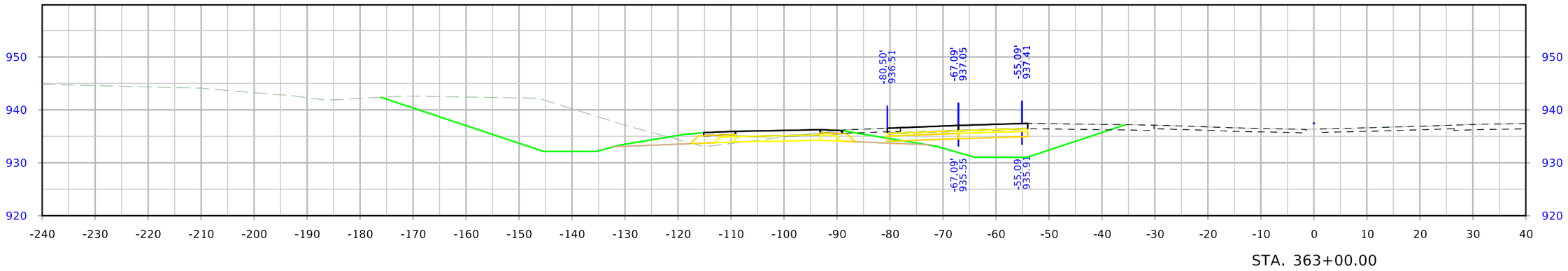


STA. 361+50.00

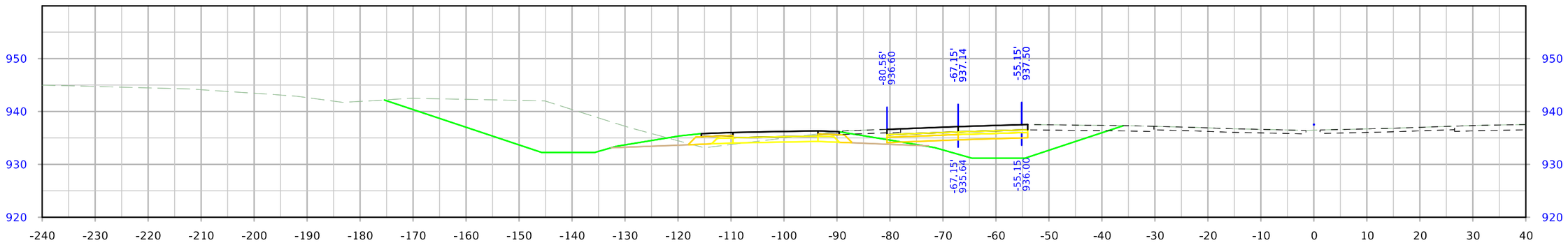
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.25

5:00:13 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W02_77035455_Z08.dgn

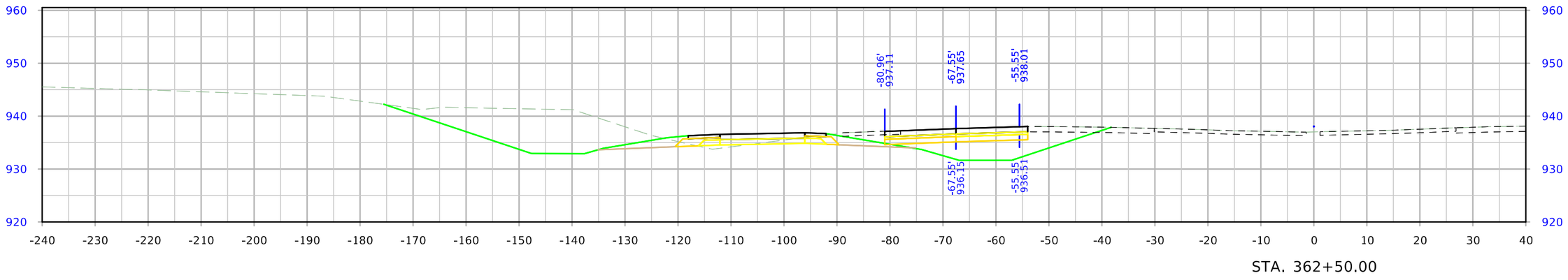
Mainline I-35



STA. 363+00.00



STA. 362+92.11

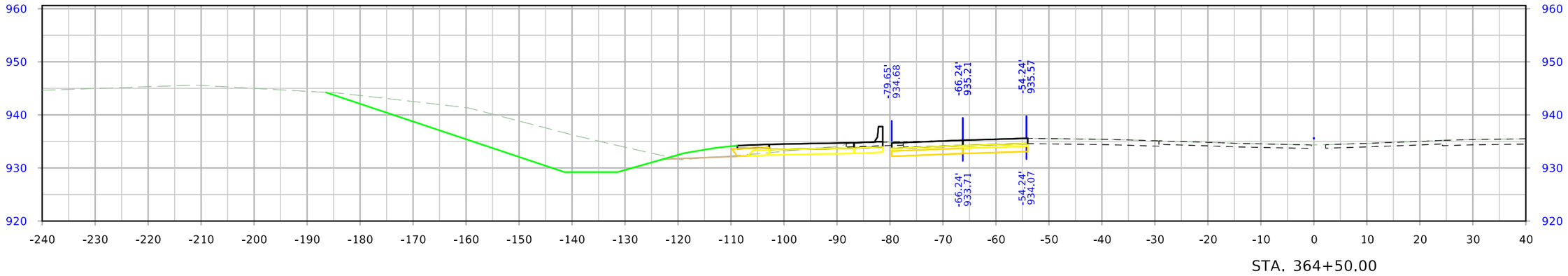


STA. 362+50.00

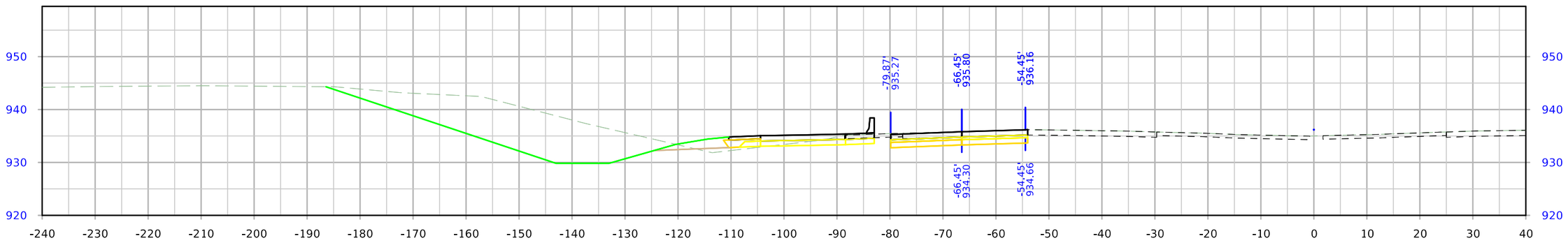
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.26

5:00:16 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W02_77035455_Z08.dgn

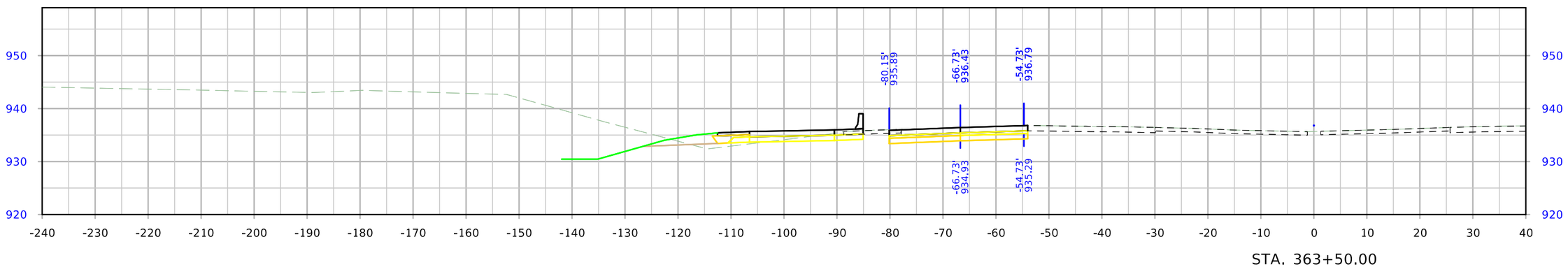
Mainline I-35



STA. 364+50.00



STA. 364+00.00

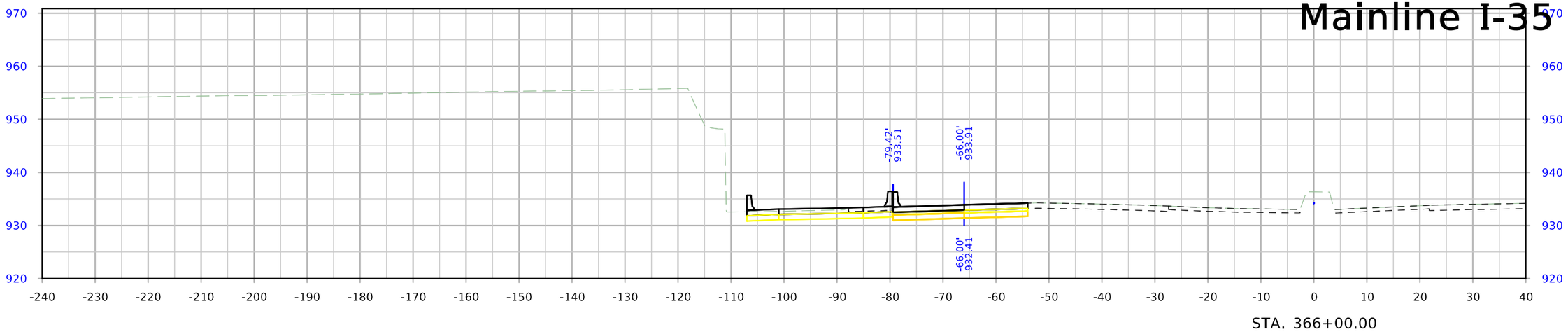


STA. 363+50.00

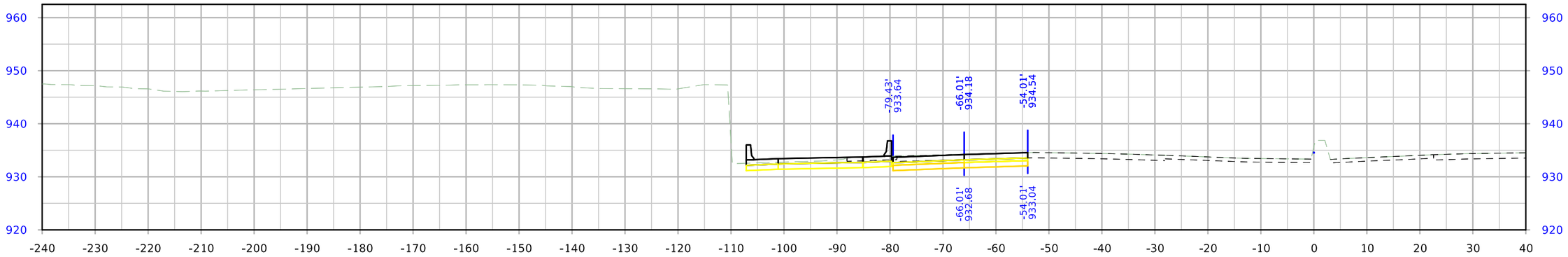
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.27

5:00:20 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W02_77035455_Z08.dgn

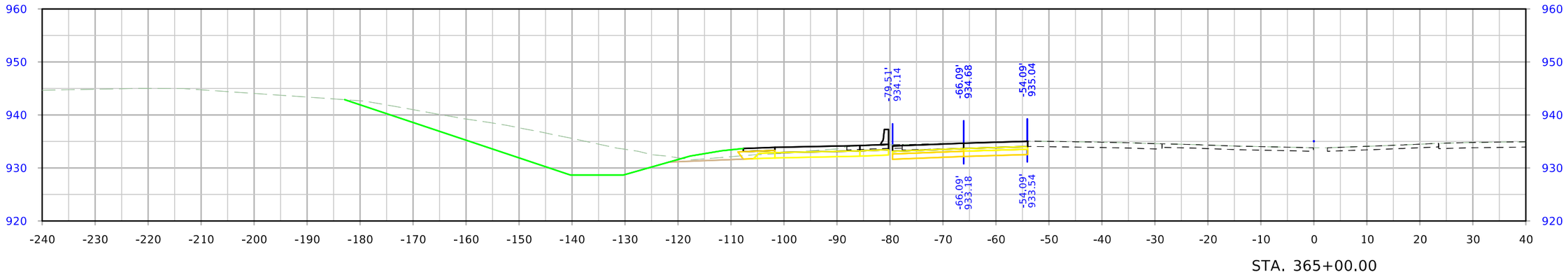
Mainline I-35



STA. 366+00.00



STA. 365+50.00

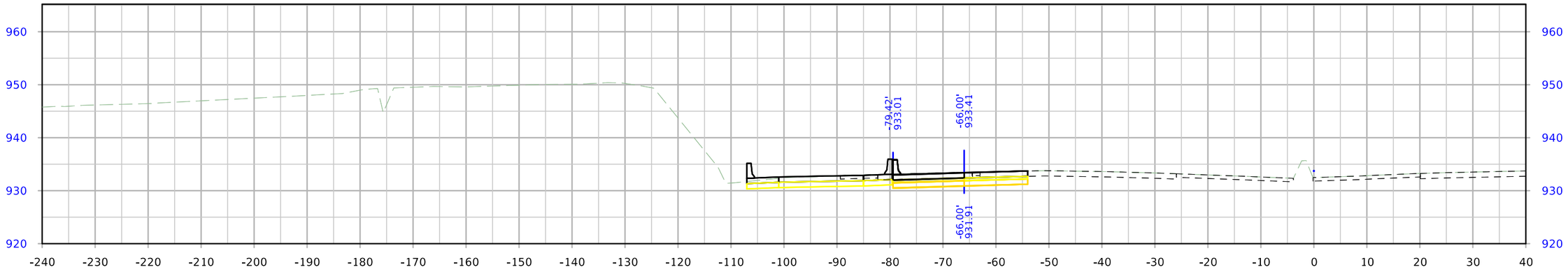


STA. 365+00.00

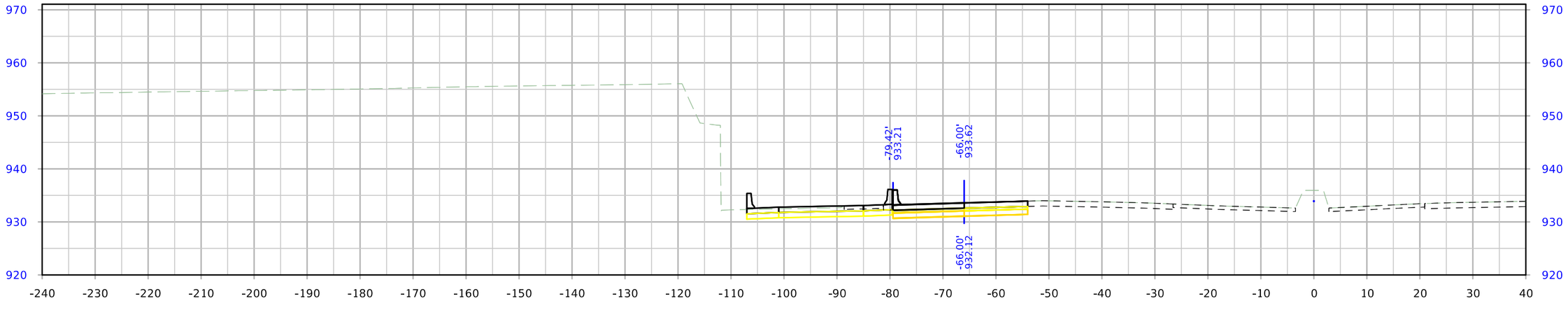
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.28

5:00:22 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W02_77035455_Z08.dgn

Mainline I-35



STA. 367+00.00

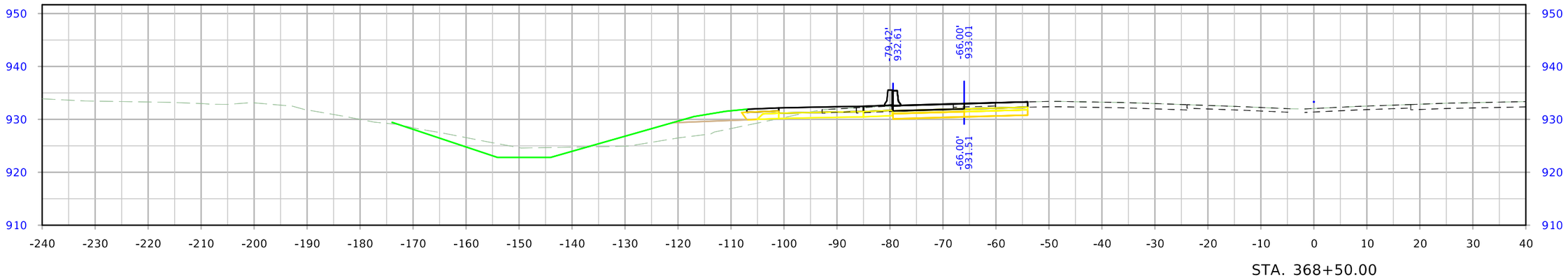


STA. 366+50.00

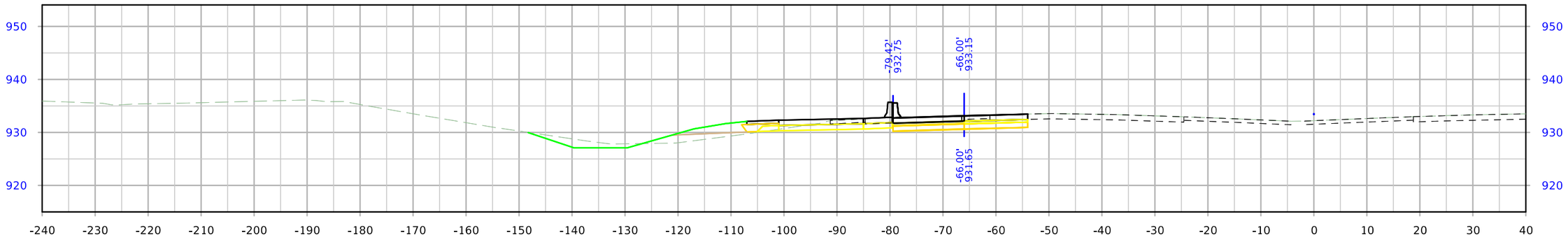
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.29

5:00:25 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W02_77035455_Z08.dgn

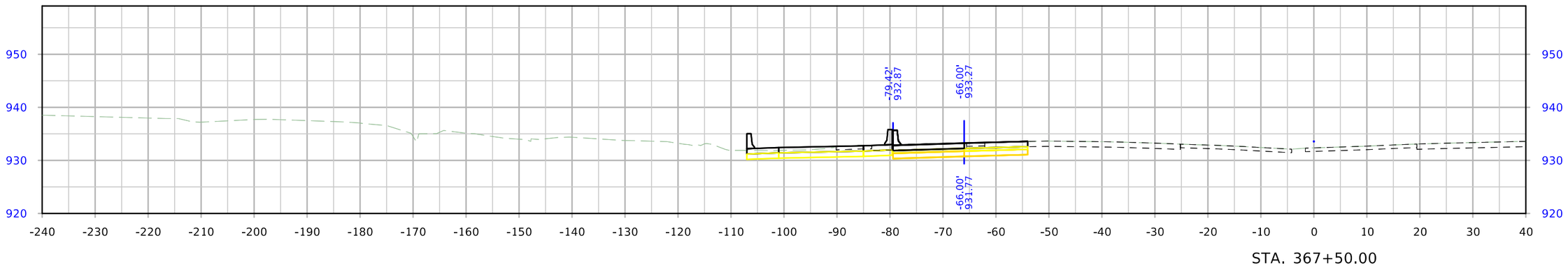
Mainline I-35



STA. 368+50.00



STA. 368+00.00

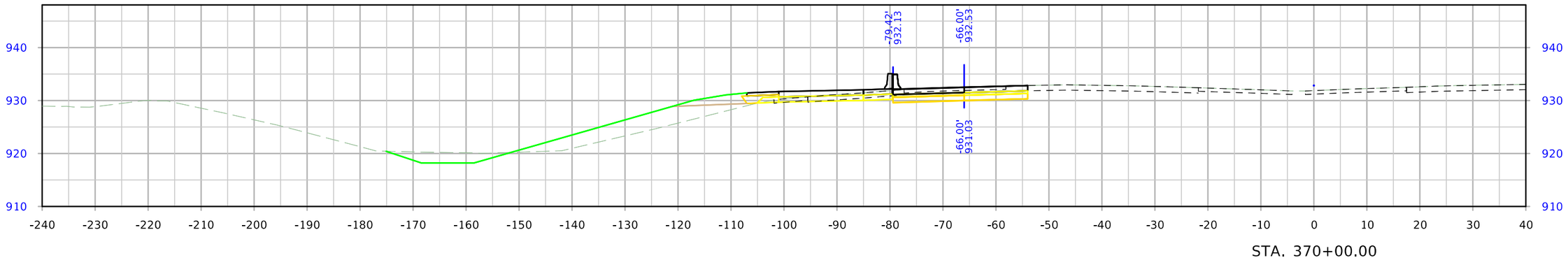


STA. 367+50.00

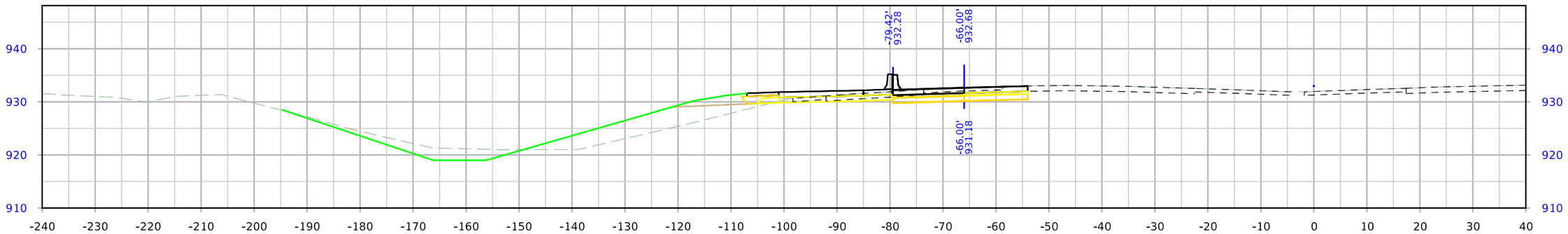
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.30

5:00:28 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W02_77035455_Z08.dgn

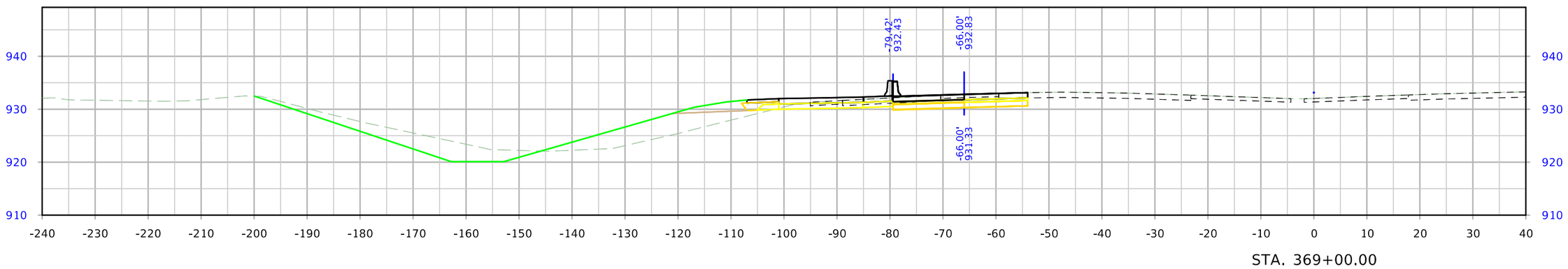
Mainline I-35



STA. 370+00.00



STA. 369+50.00

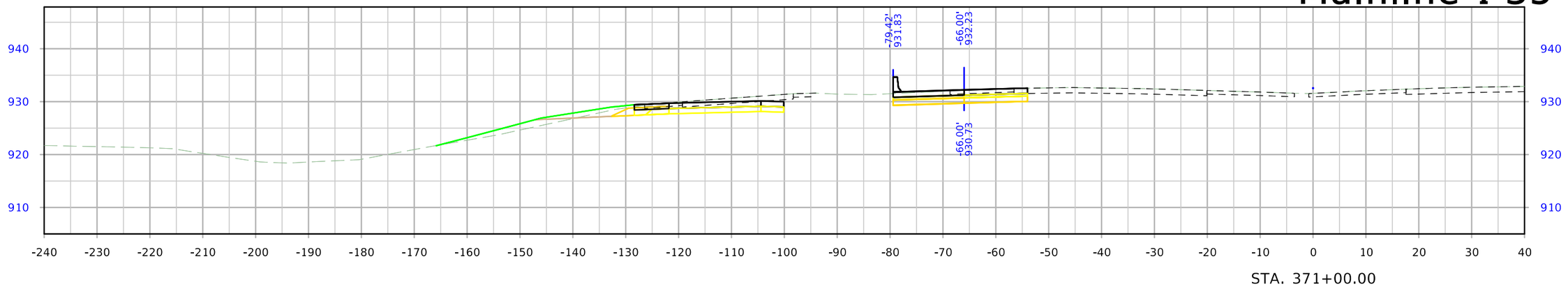


STA. 369+00.00

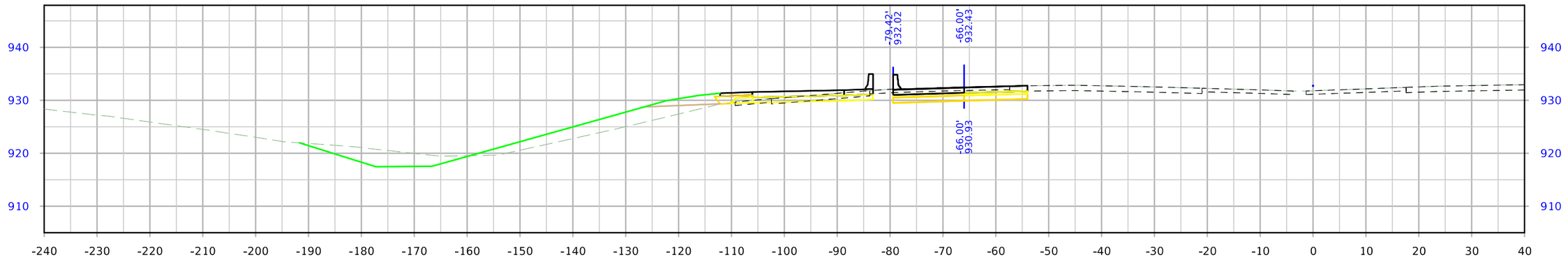
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.31

5:00:31 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W02_77035455_Z08.dgn

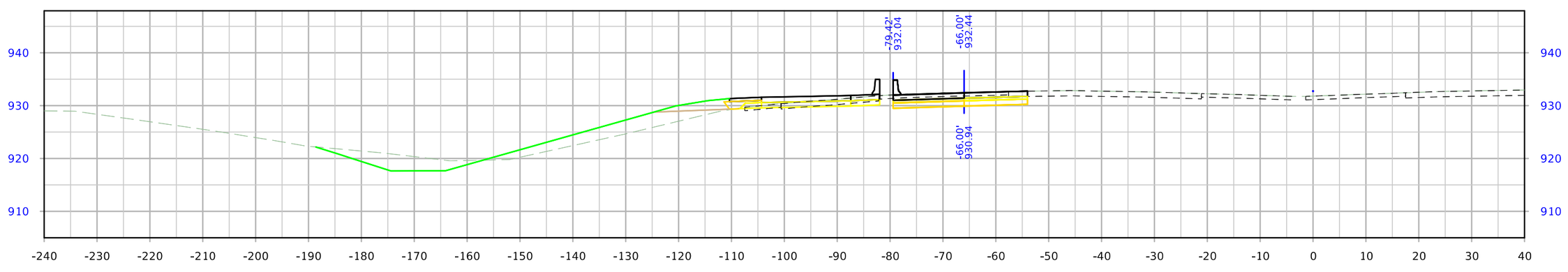
Mainline I-35



STA. 371+00.00



STA. 370+50.00

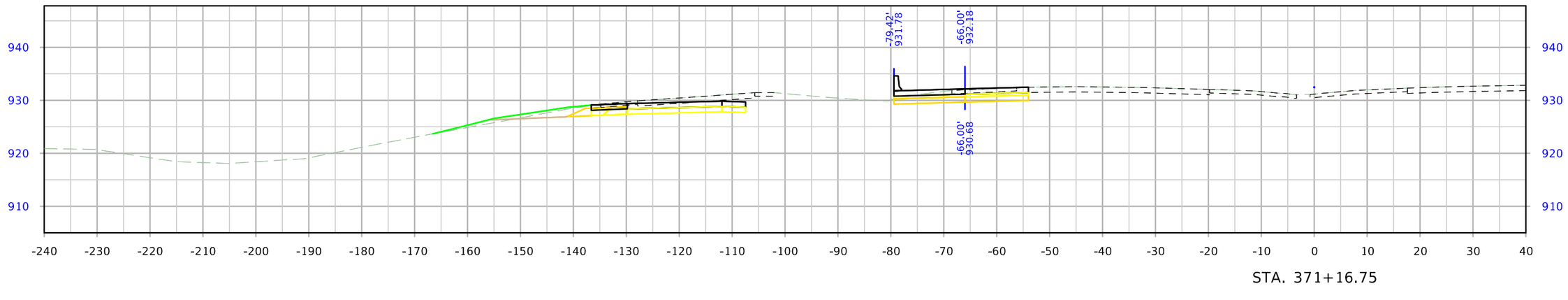


STA. 370+40.61

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.32

5:00:34 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W02_77035455_Z08.dgn

Mainline I-35

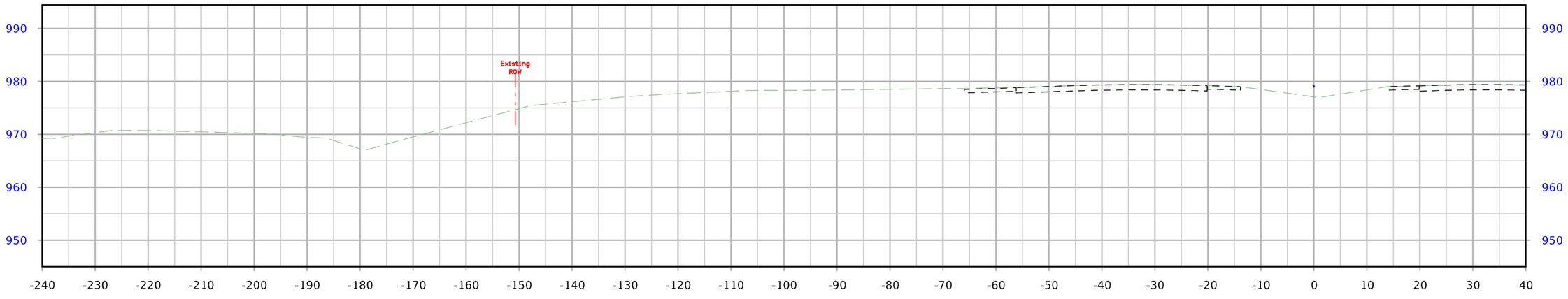


STA. 371+16.75

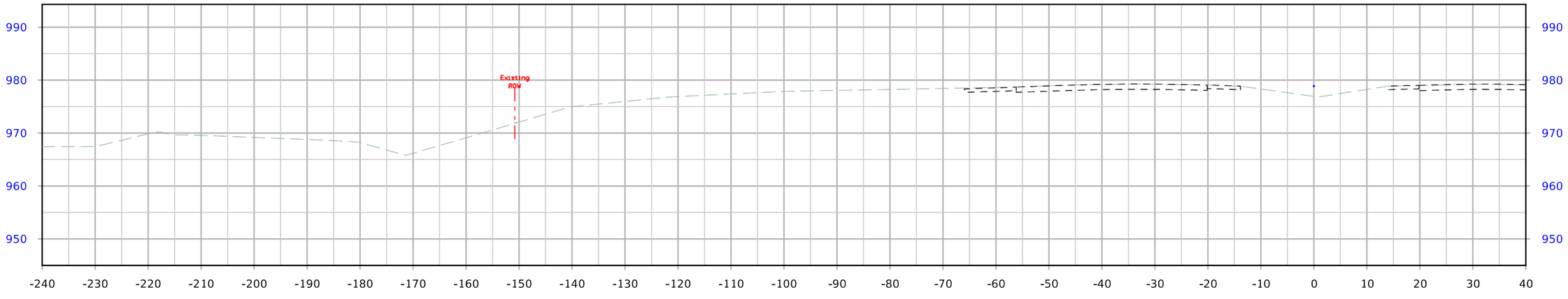
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.33

5:00:35 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W02_77035455_Z08.dgn

Mainline I-80



STA. 1284+50.00

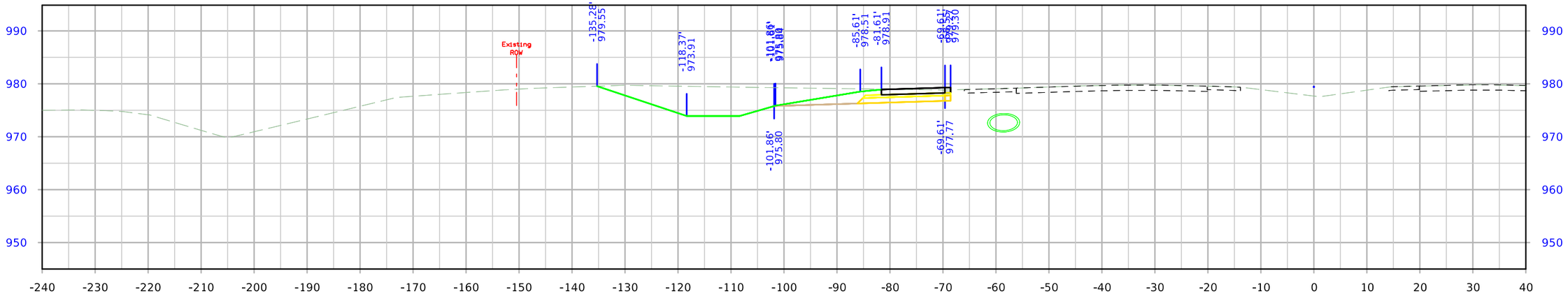


STA. 1284+14.58

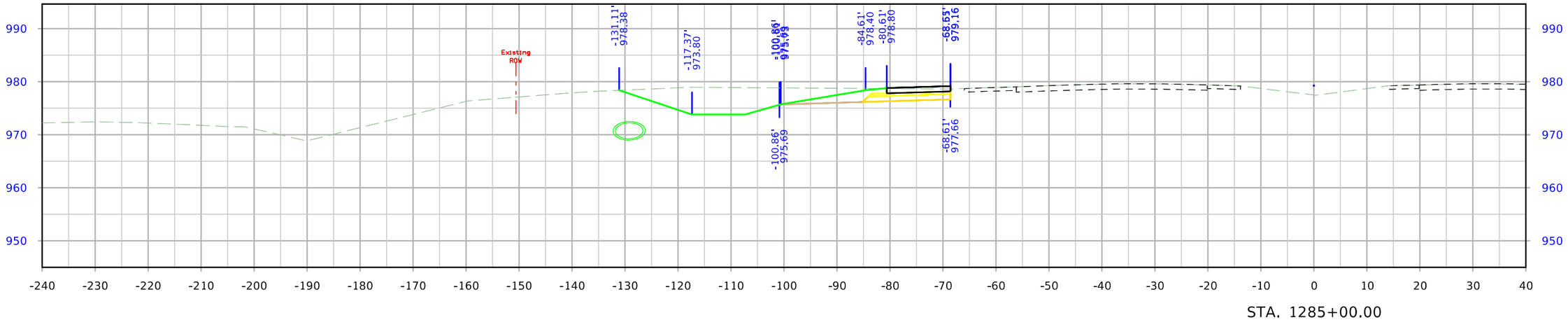
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.34

4:24:03 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W03_77035455_Z08.dgn

Mainline I-80



STA. 1285+50.00

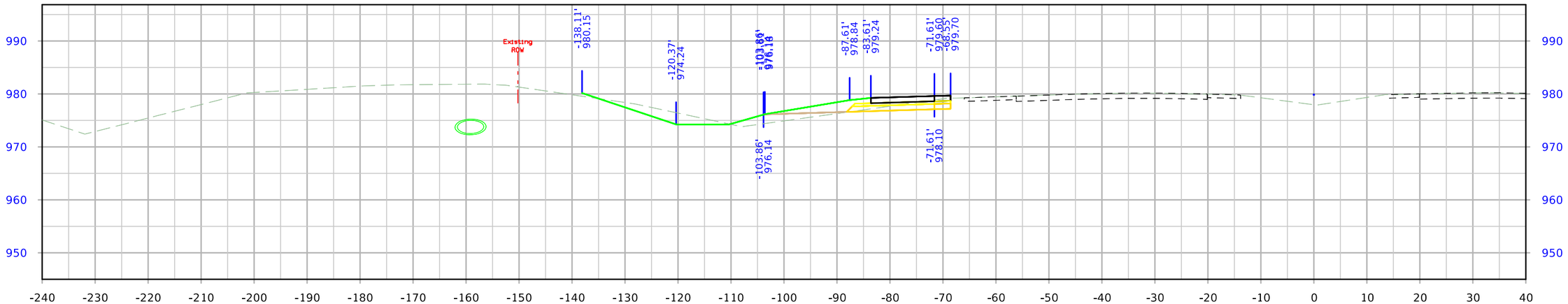


STA. 1285+00.00

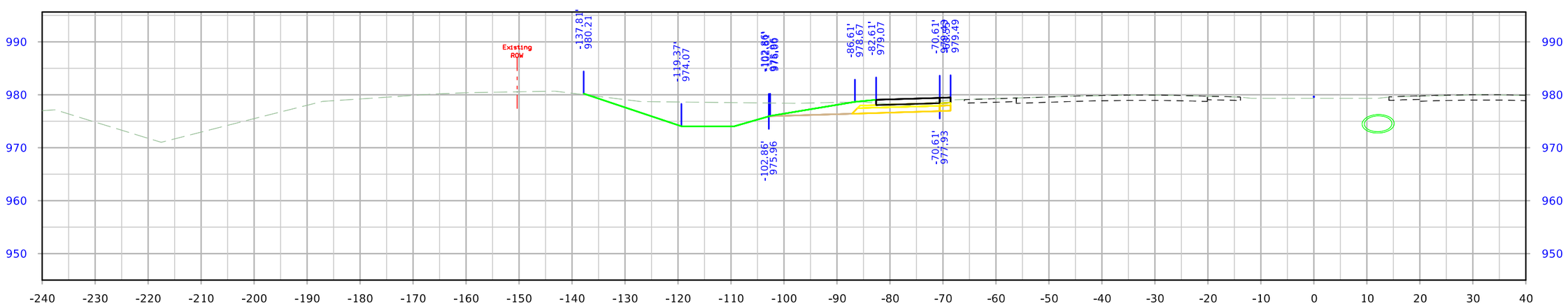
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.35

4:24:05 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W03_77035455_Z08.dgn

Mainline I-80



STA. 1286+50.00

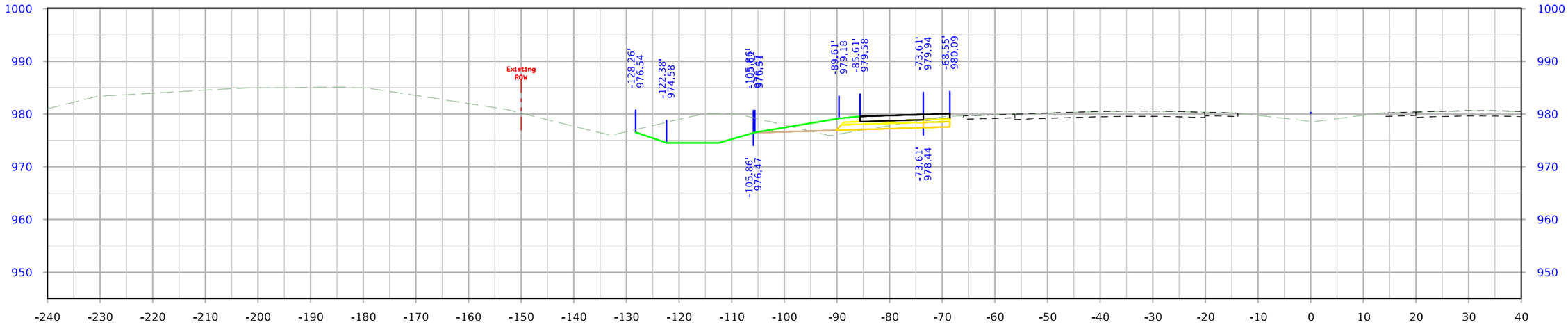


STA. 1286+00.00

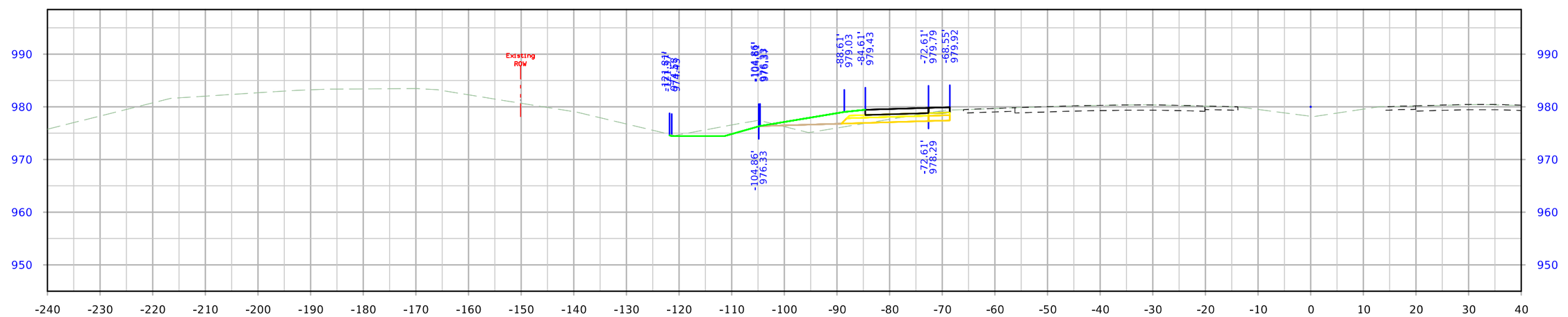
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.36

4:24:06 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W03_77035455_Z08.dgn

Mainline I-80



STA. 1287+50.00

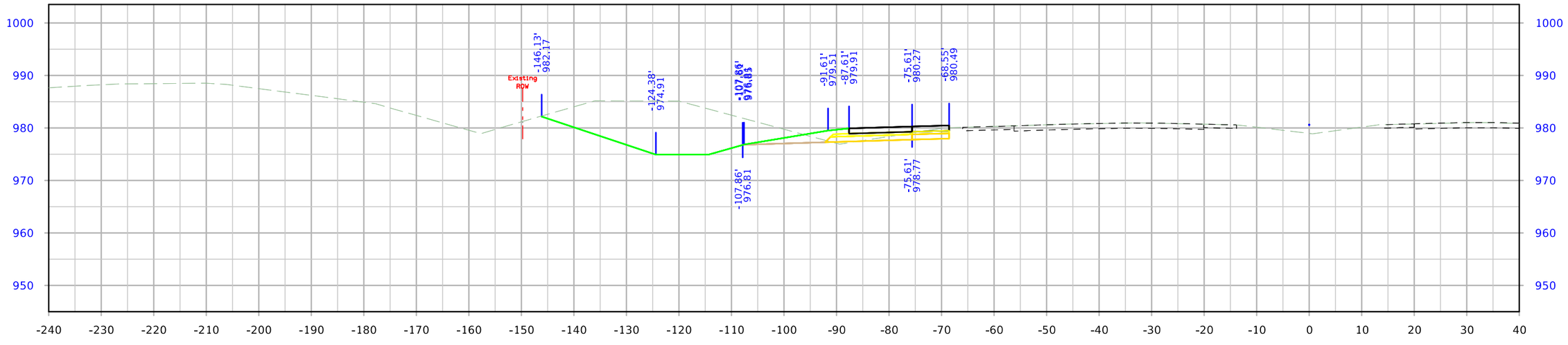


STA. 1287+00.00

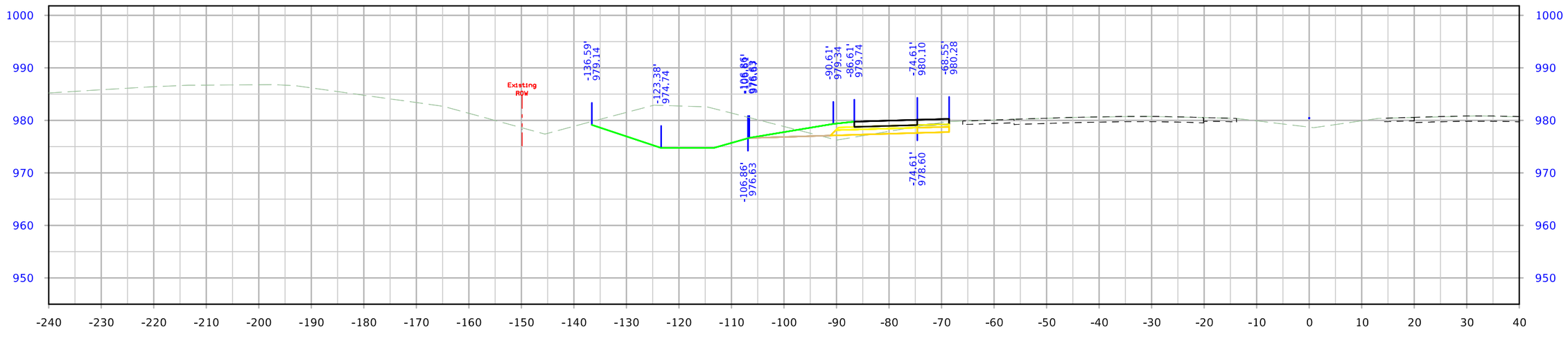
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.37

4:24:07 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W03_77035455_Z08.dgn

Mainline I-80



STA. 1288+50.00

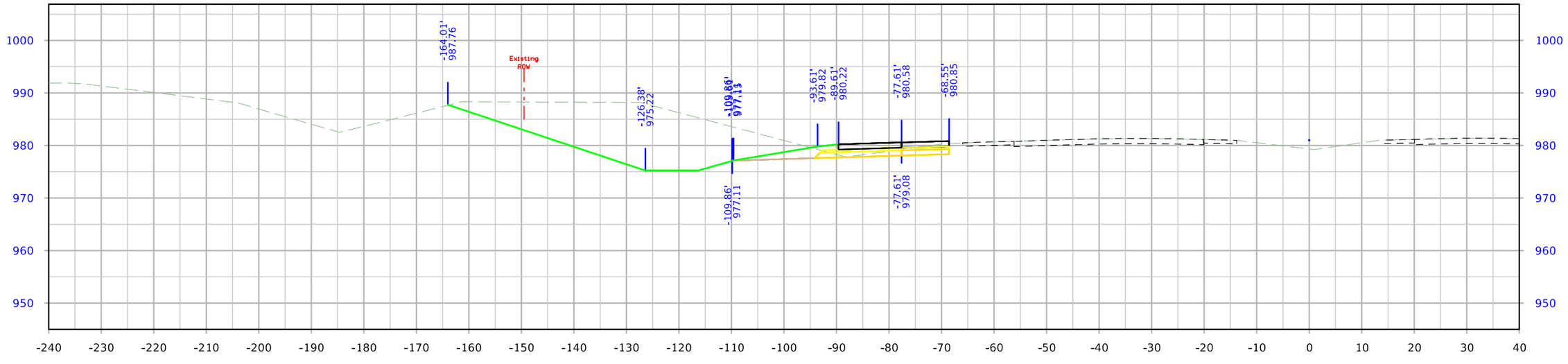


STA. 1288+00.00

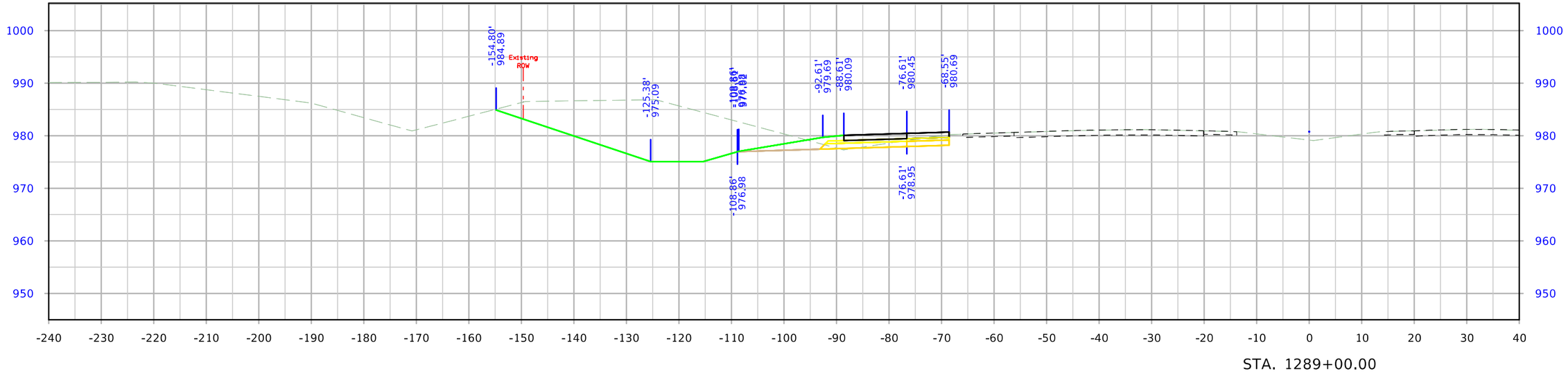
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.38

4:24:09 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W03_77035455_Z08.dgn

Mainline I-80



STA. 1289+50.00

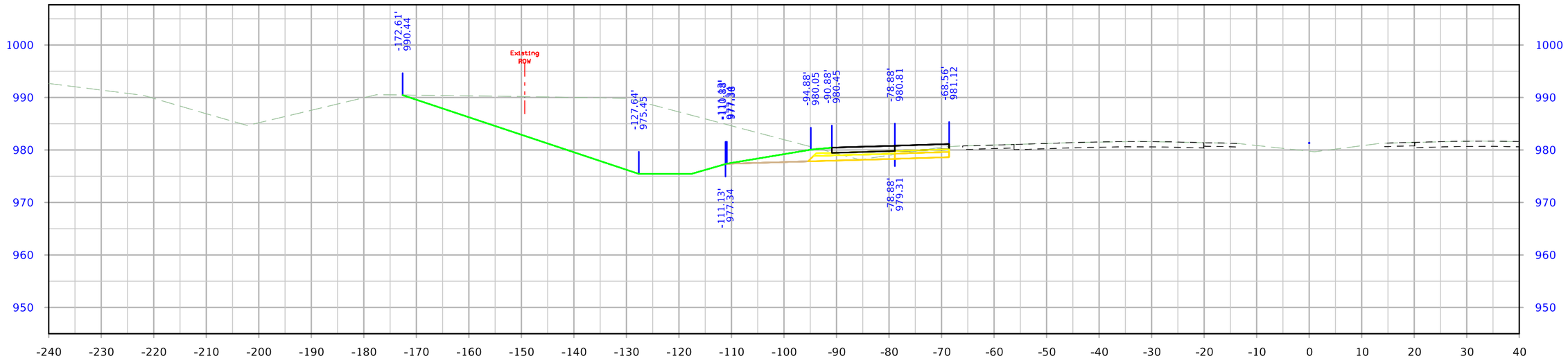


STA. 1289+00.00

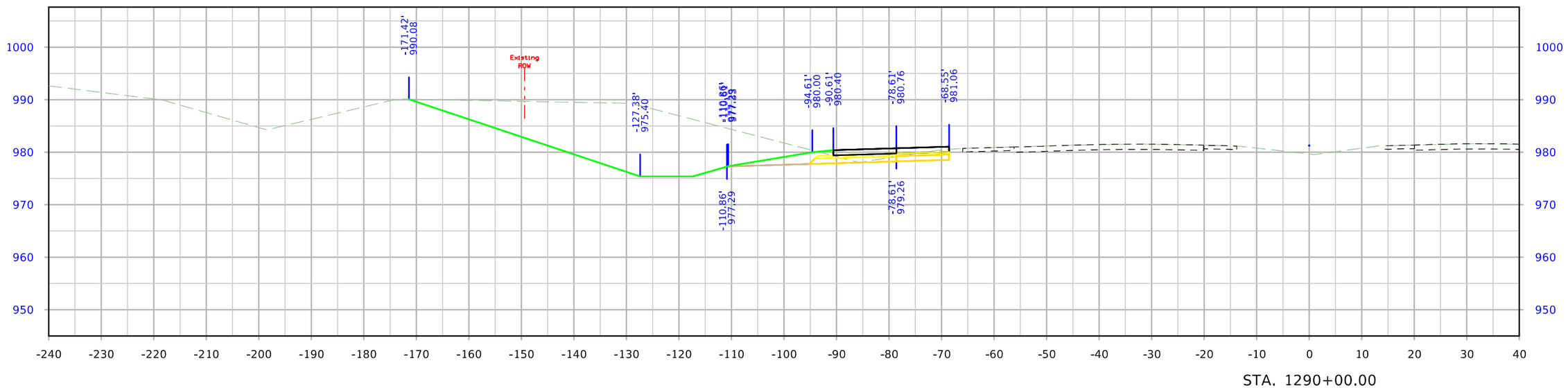
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.39

4:24:10 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W03_77035455_Z08.dgn

Mainline I-80



STA. 1290+13.41

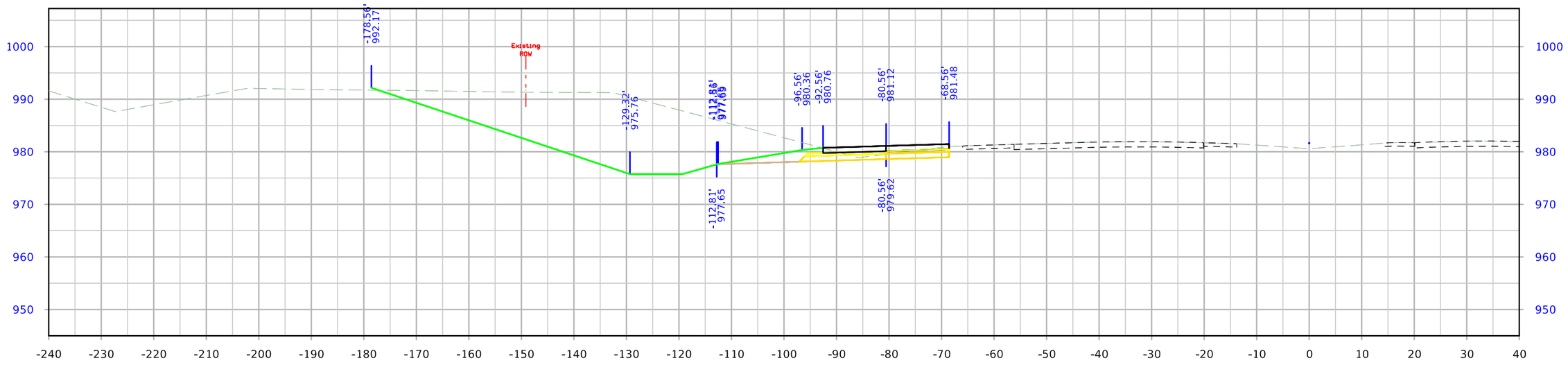


STA. 1290+00.00

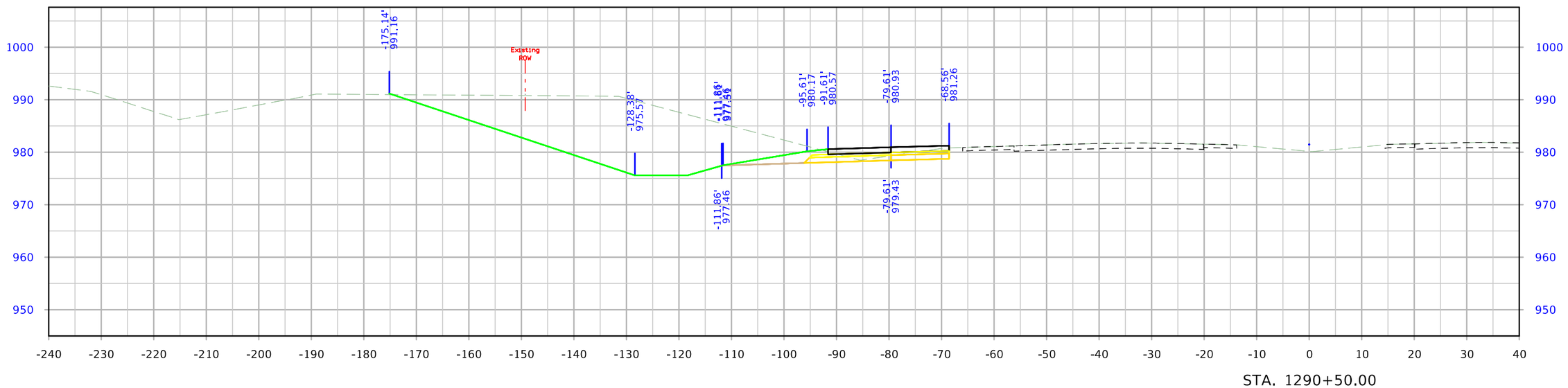
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.40

4:24:12 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W03_77035455_Z08.dgn

Mainline I-80



STA. 1291+00.00

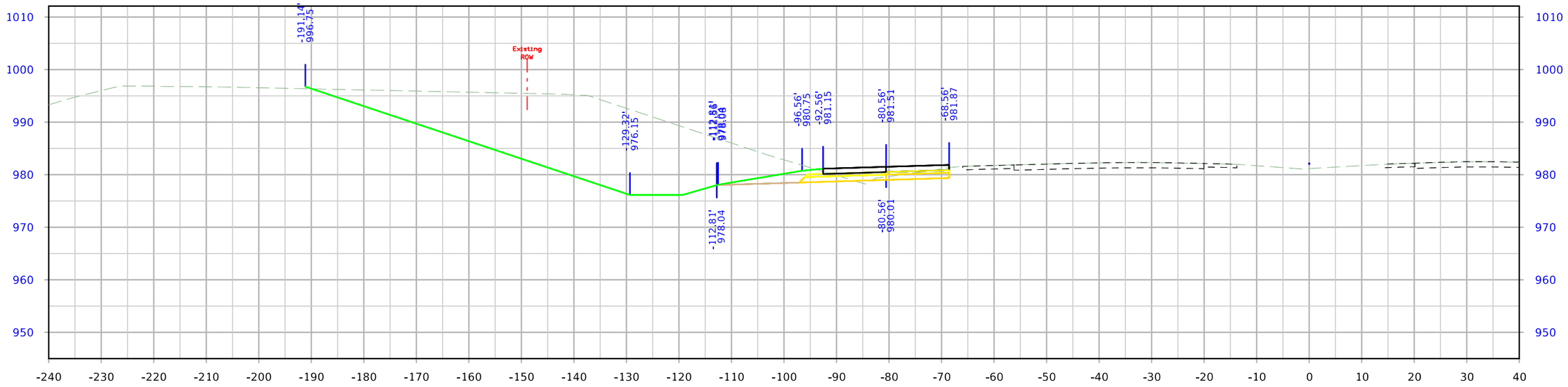


STA. 1290+50.00

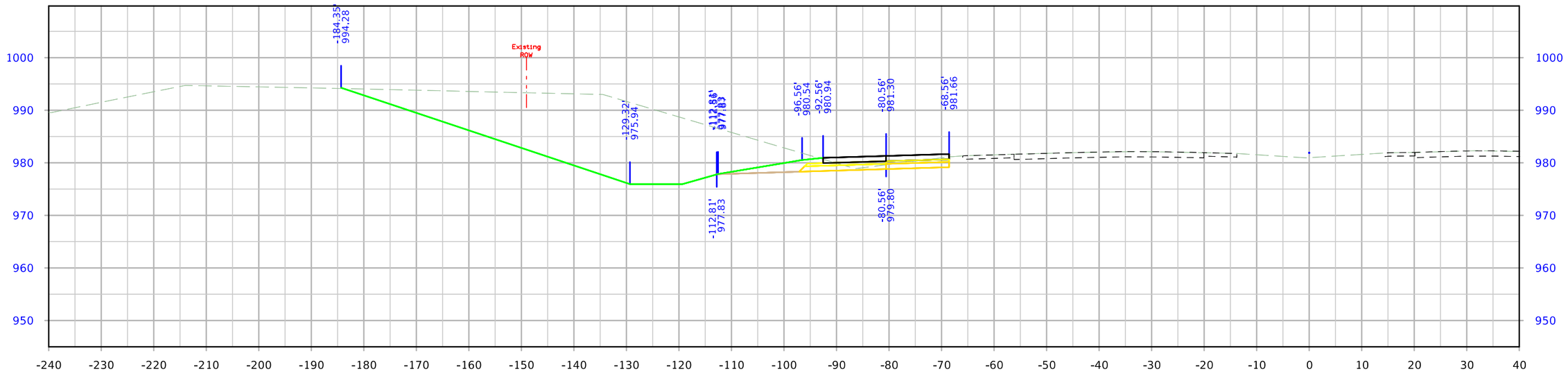
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.41

4:24:13 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W03_77035455_Z08.dgn

Mainline I-80



STA. 1292+00.00

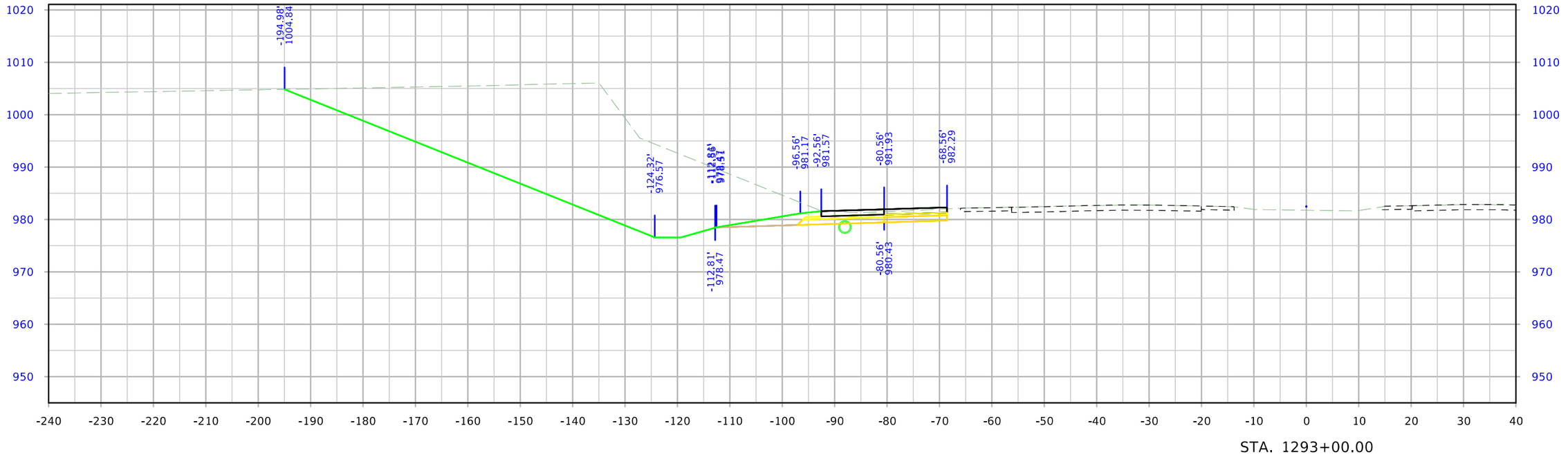


STA. 1291+50.00

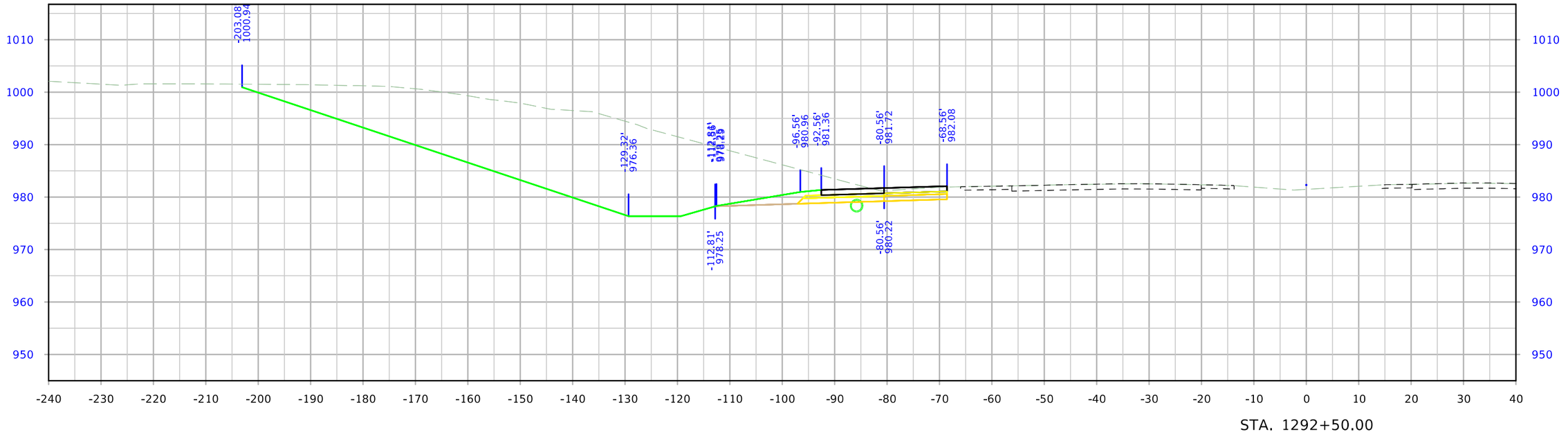
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.42

4:24:15 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W03_77035455_Z08.dgn

Mainline I-80



STA. 1293+00.00

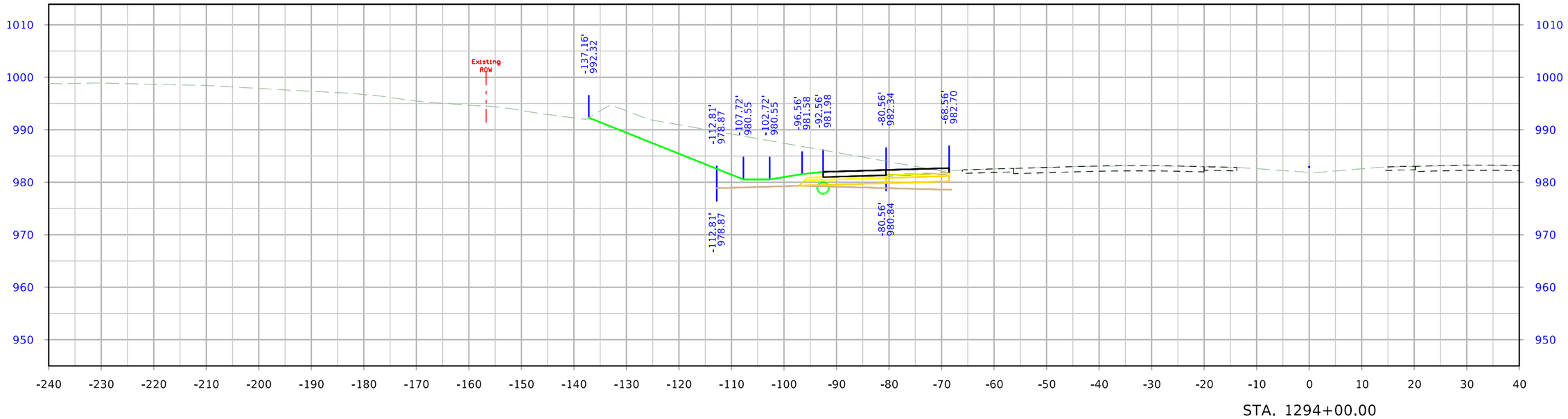


STA. 1292+50.00

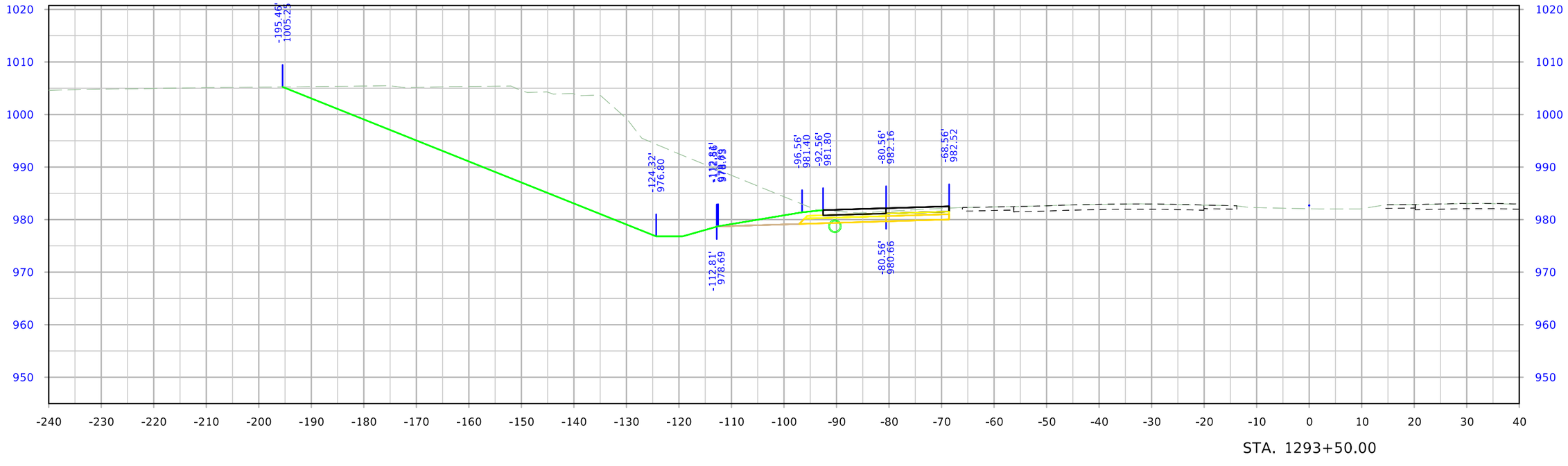
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.43

4:24:16 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W03_77035455_Z08.dgn

Mainline I-80



STA. 1294+00.00

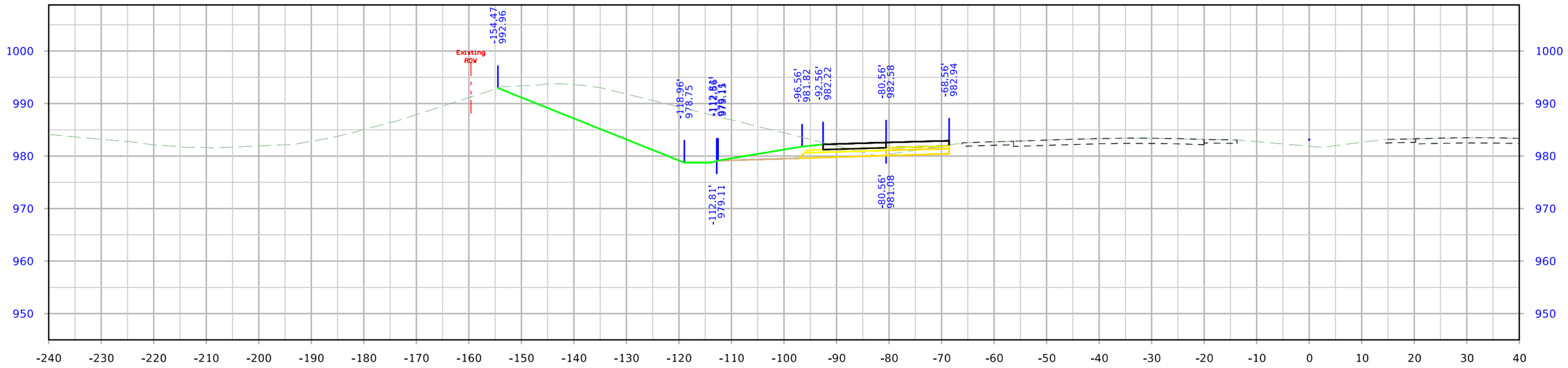


STA. 1293+50.00

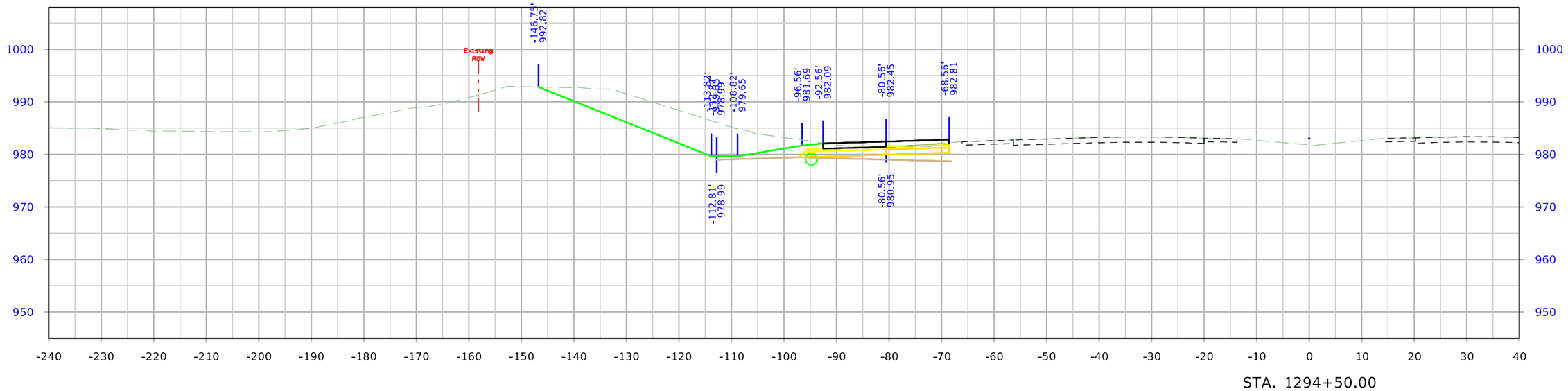
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.44

4:24:18 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W03_77035455_Z08.dgn

Mainline I-80



STA. 1295+00.00

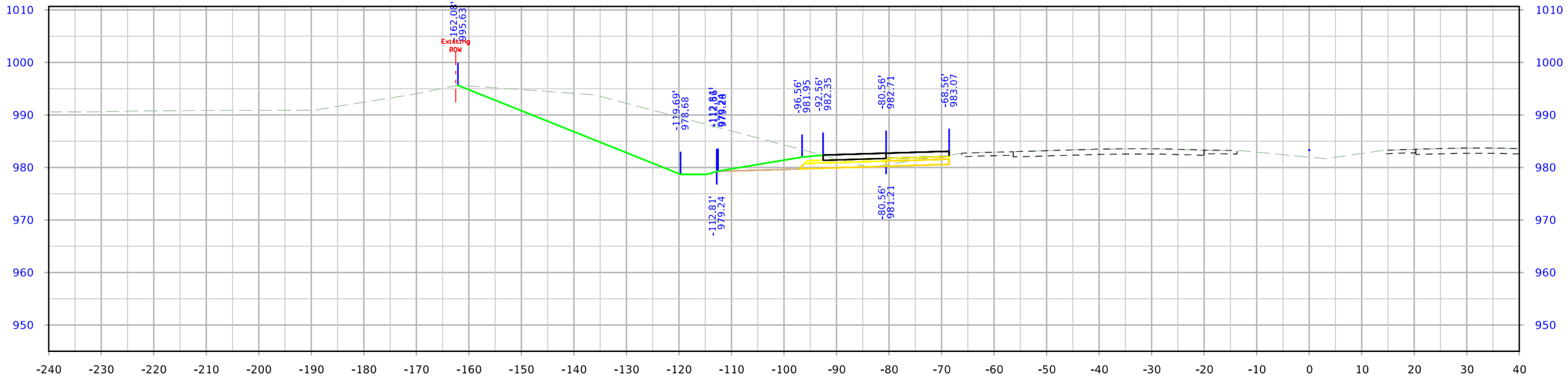


STA. 1294+50.00

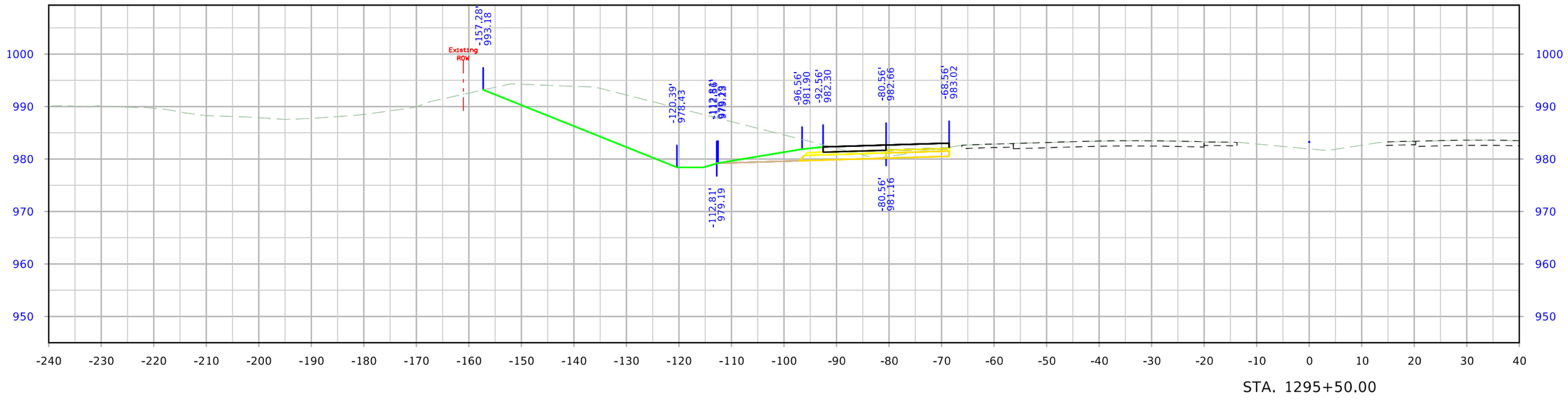
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.45

4:24:19 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W03_77035455_Z08.dgn

Mainline I-80



STA. 1296+00.00

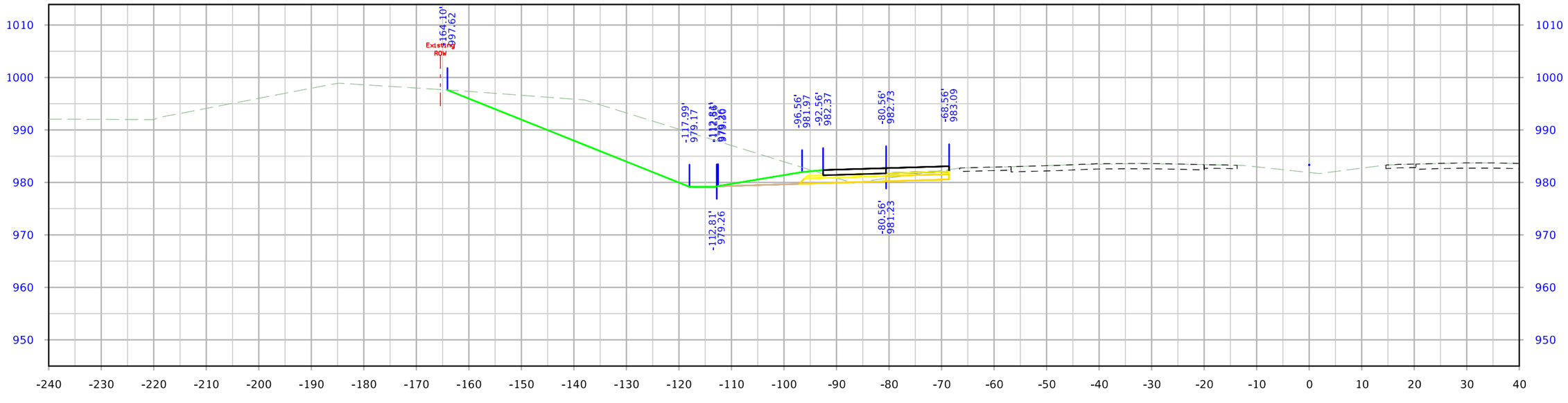


STA. 1295+50.00

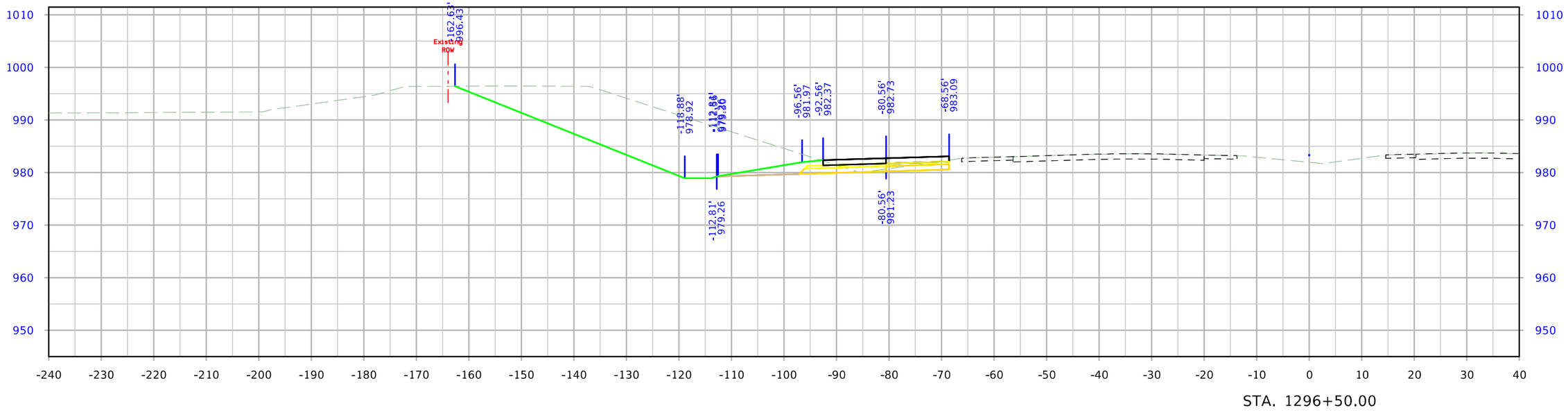
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.46

4:24:21 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W03_77035455_Z08.dgn

Mainline I-80



STA. 1297+00.00

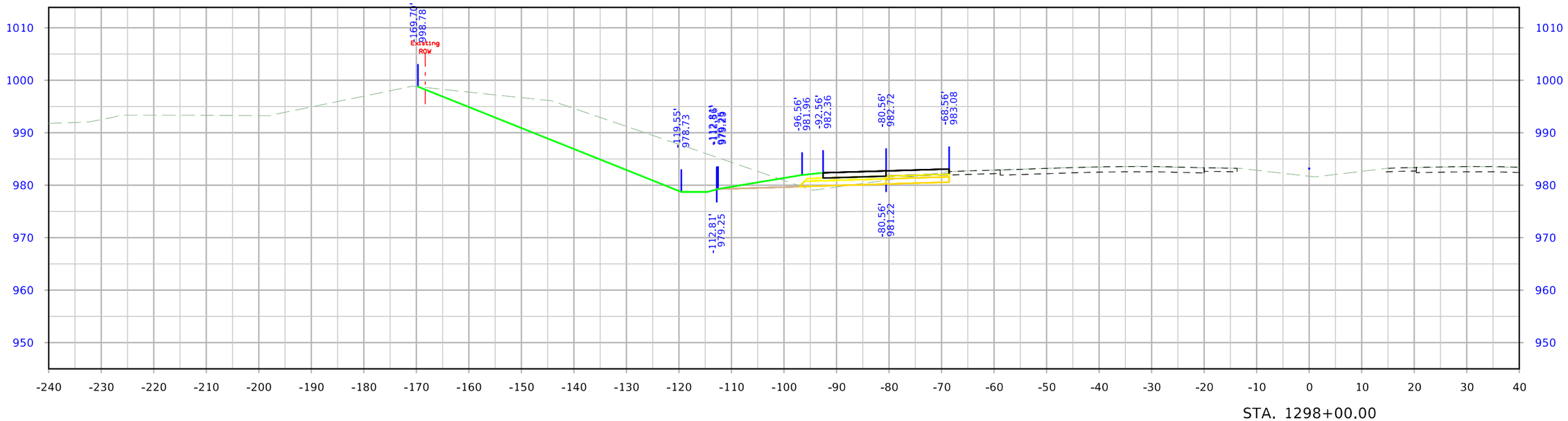


STA. 1296+50.00

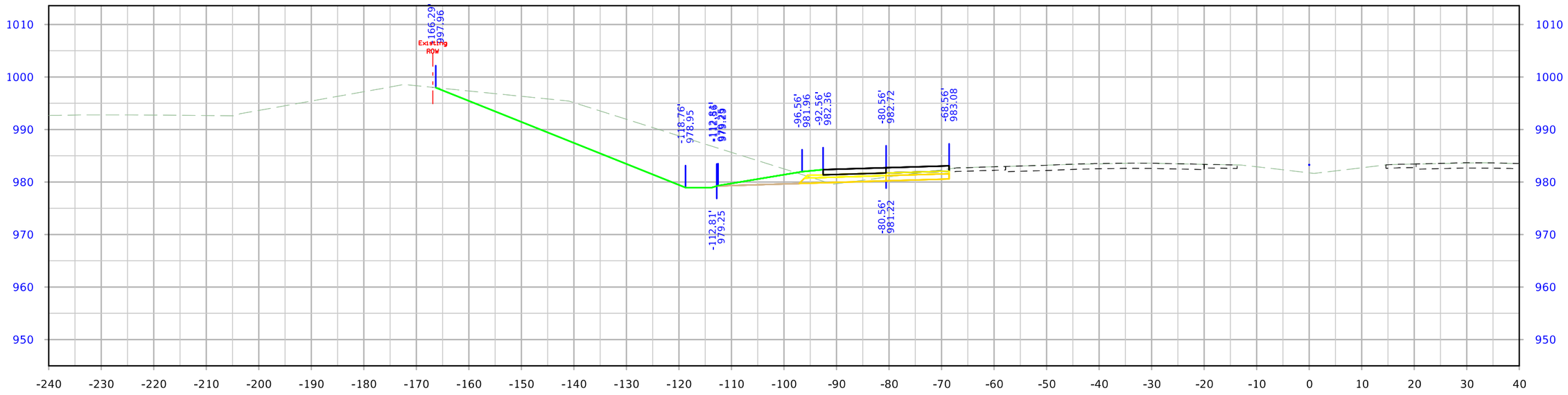
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.47

4:24:22 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W03_77035455_Z08.dgn

Mainline I-80



STA. 1298+00.00

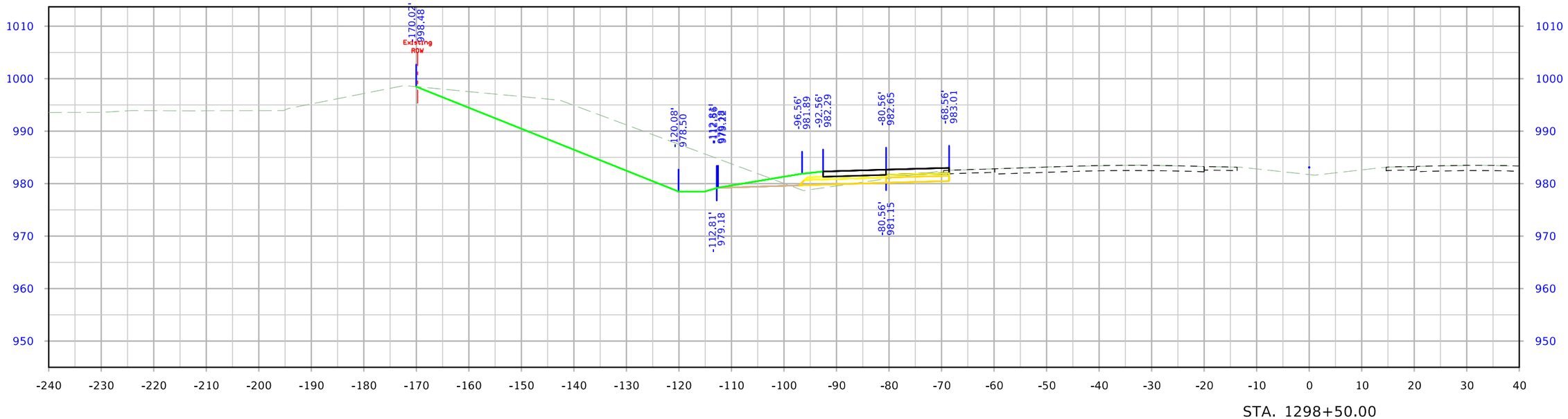


STA. 1297+50.00

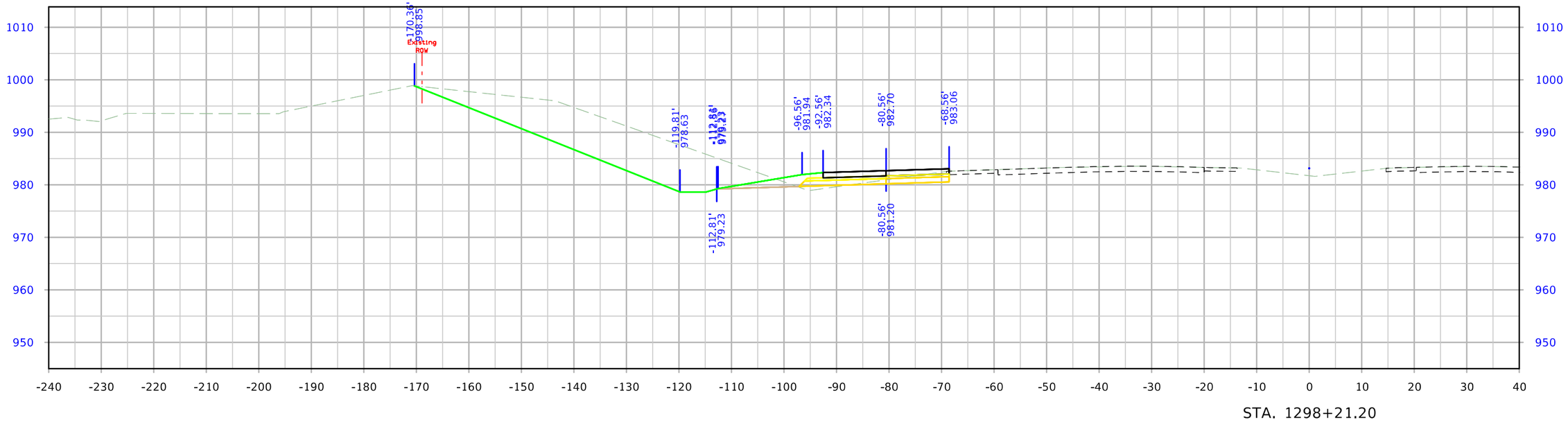
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.48

4:24:23 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W03_77035455_Z08.dgn

Mainline I-80



STA. 1298+50.00

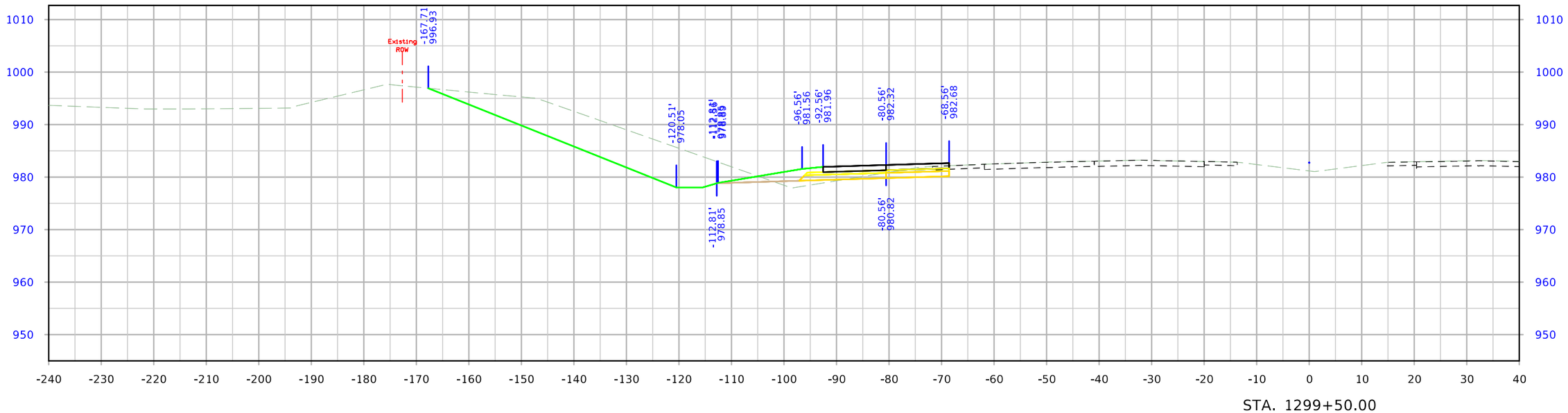


STA. 1298+21.20

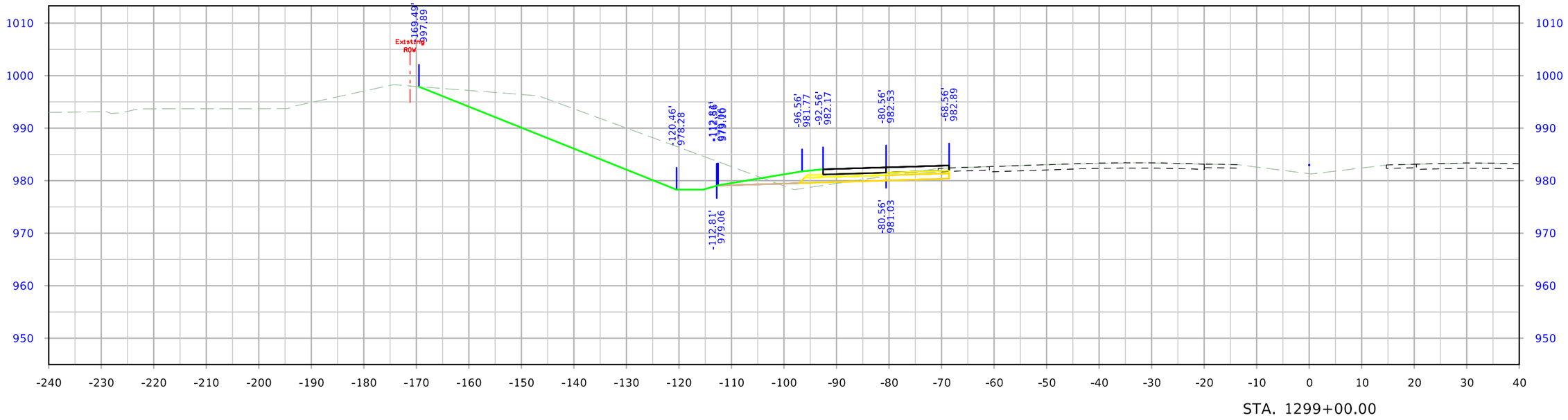
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.49

4:24:25 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W03_77035455_Z08.dgn

Mainline I-80



STA. 1299+50.00

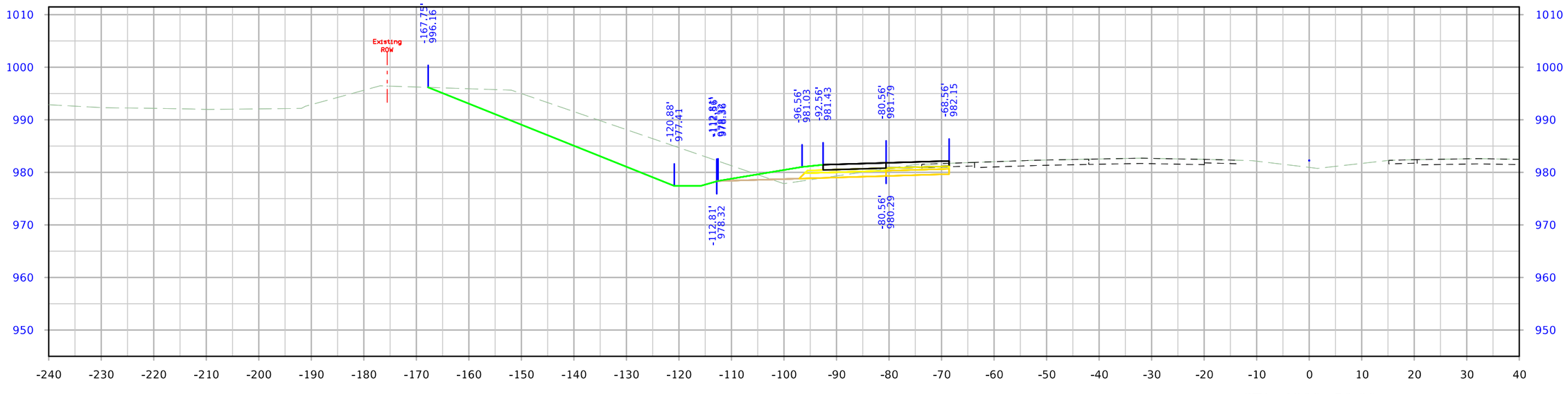


STA. 1299+00.00

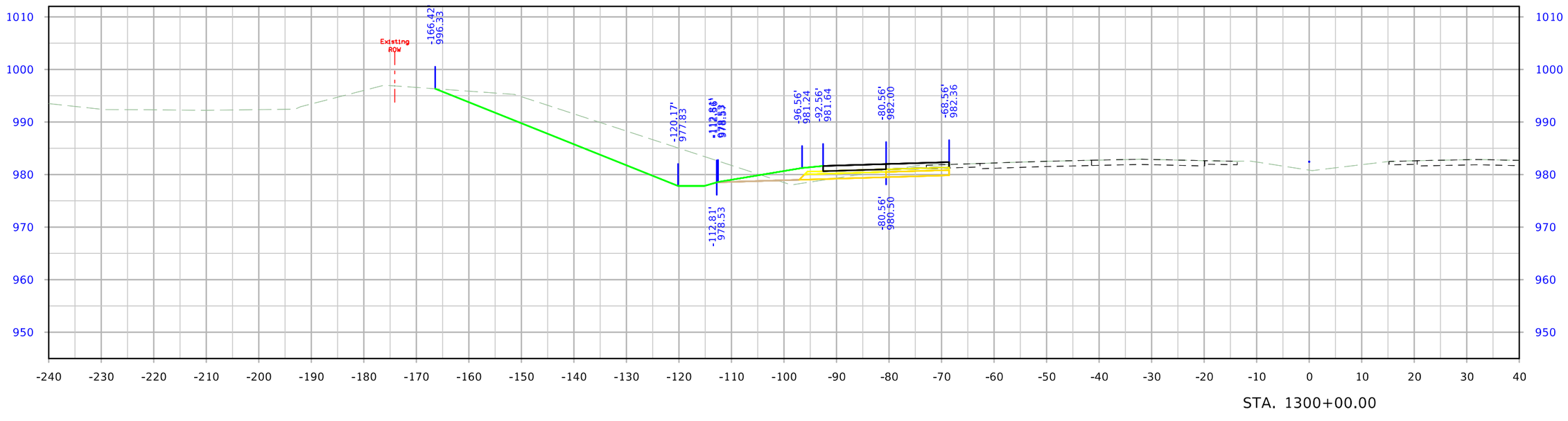
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.50

4:24:26 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W03_77035455_Z08.dgn

Mainline I-80



STA. 1300+50.00

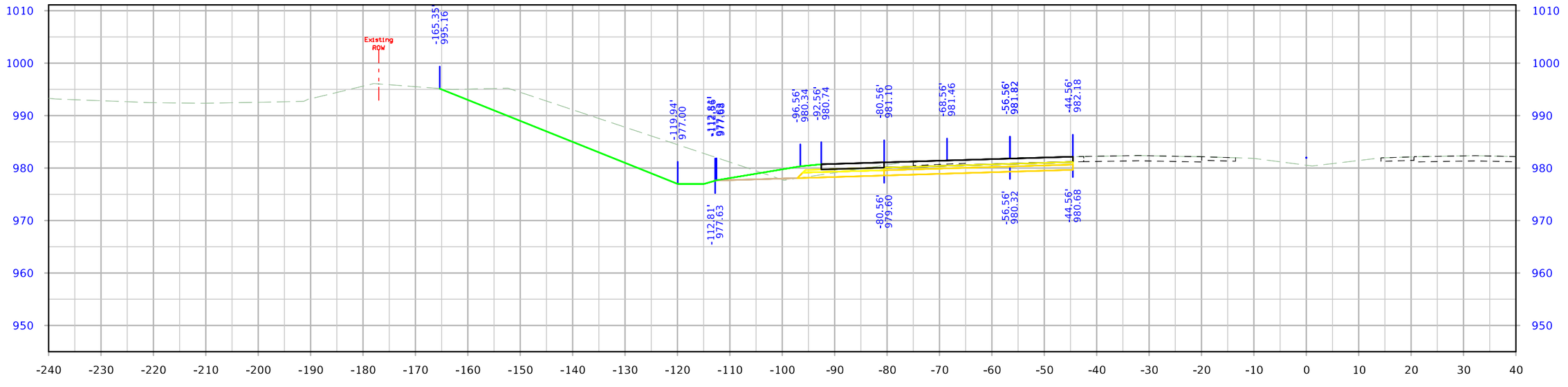


STA. 1300+00.00

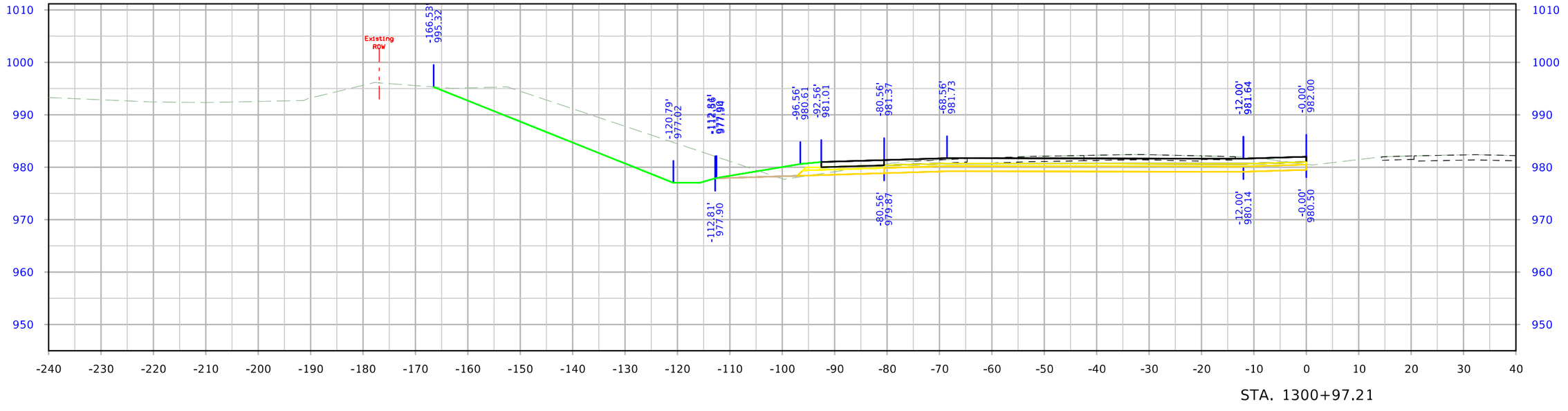
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.51

4:24:28 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W03_77035455_Z08.dgn

Mainline I-80



STA. 1301+00.00

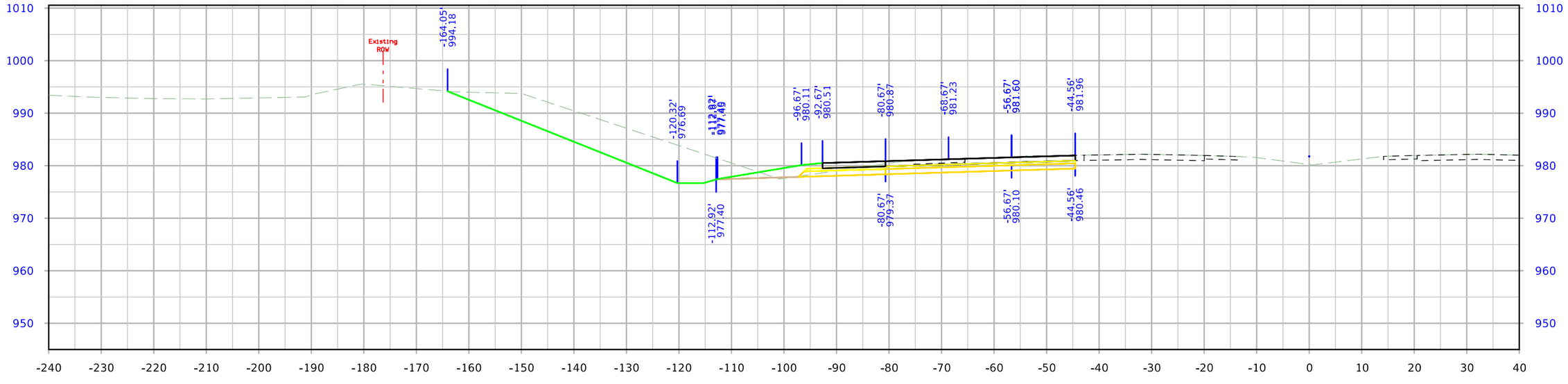


STA. 1300+97.21

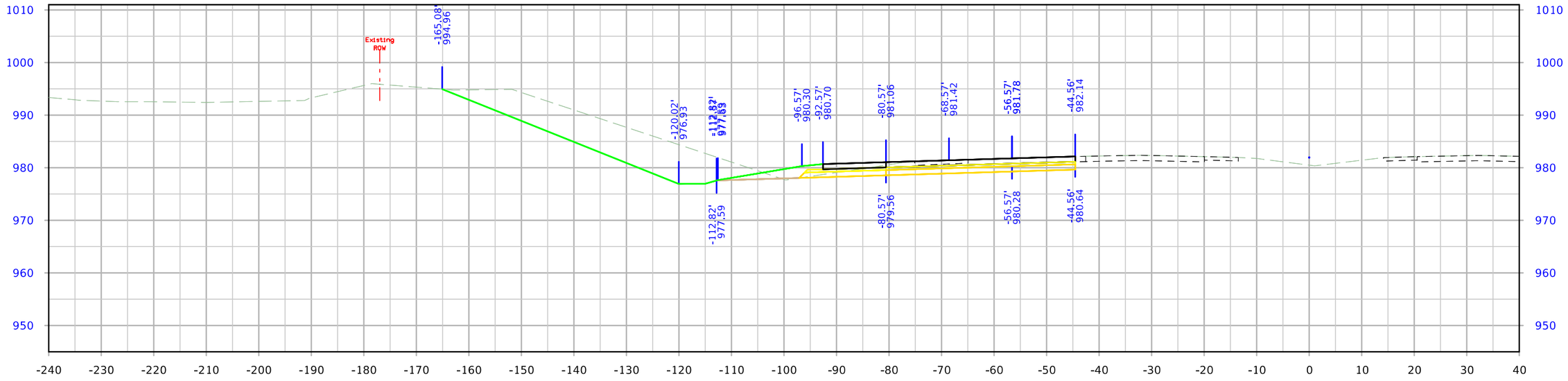
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.52

4:24:29 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W03_77035455_Z08.dgn

Mainline I-80



STA. 1301+36.46

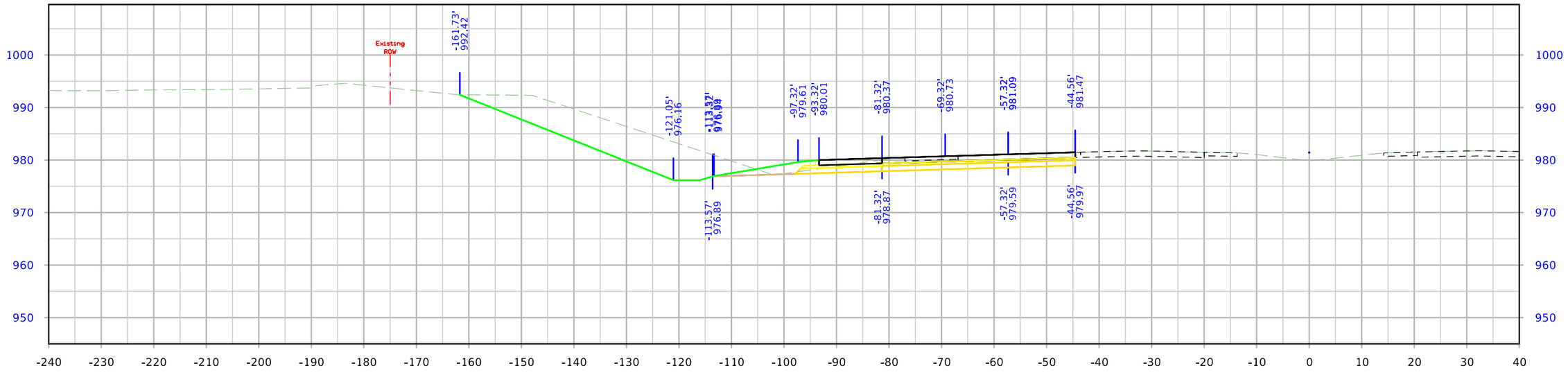


STA. 1301+07.67

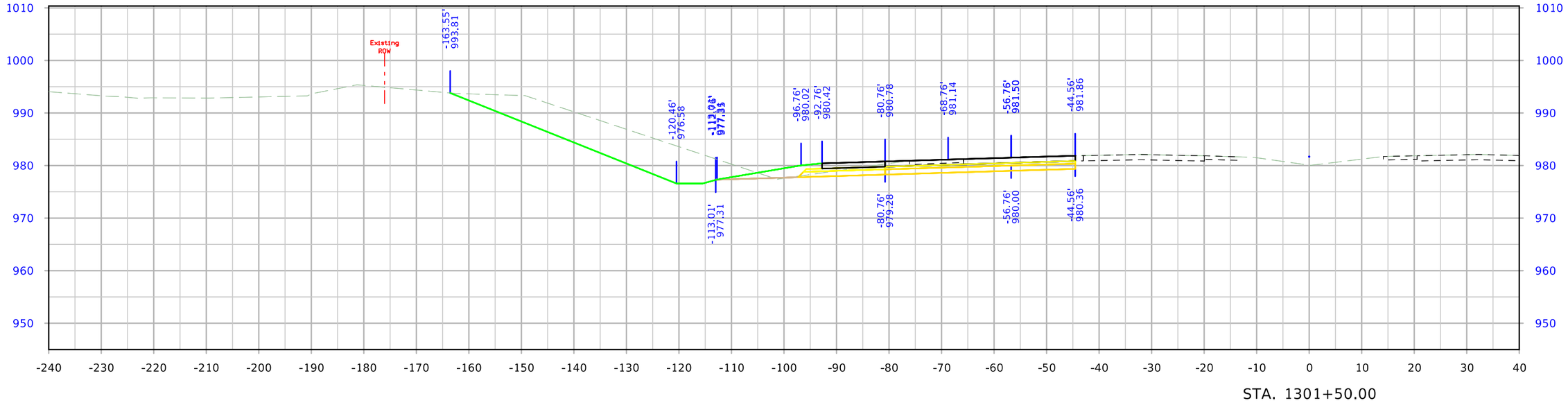
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.53

4:24:31 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W03_77035455_Z08.dgn

Mainline I-80



STA. 1302+00.00

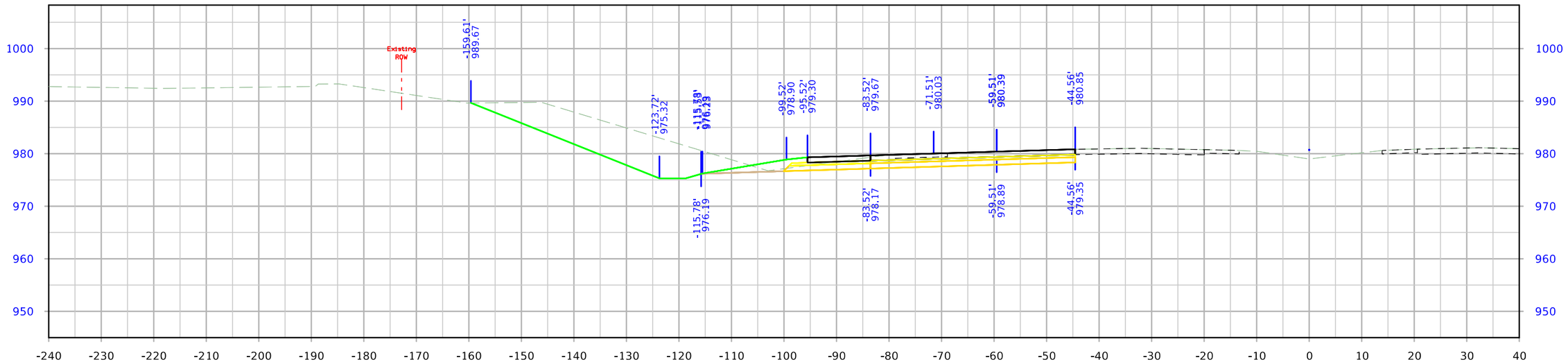


STA. 1301+50.00

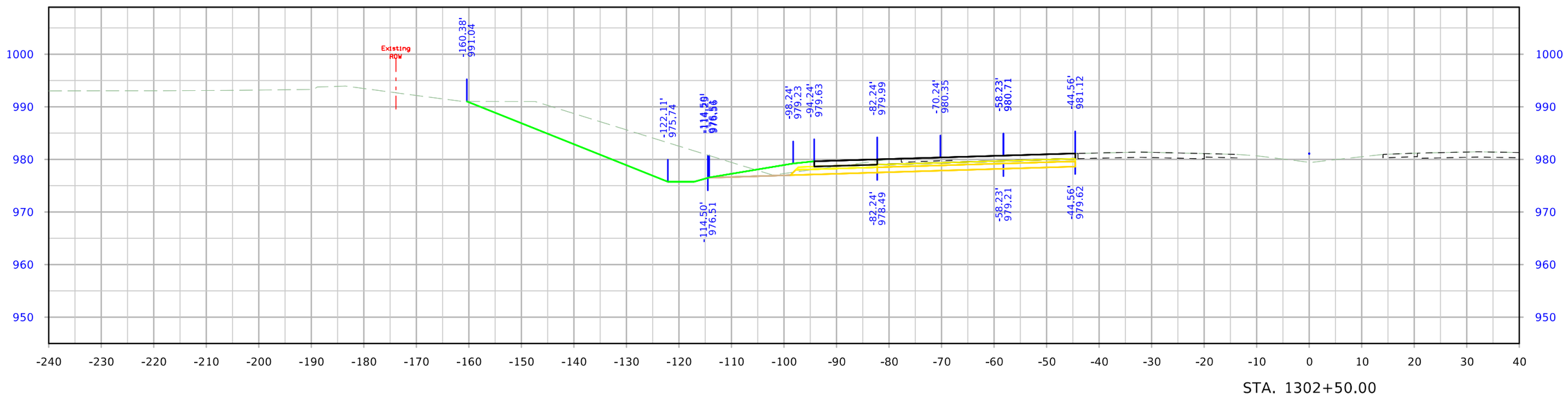
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.54

4:24:33 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W03_77035455_Z08.dgn

Mainline I-80



STA. 1303+00.00

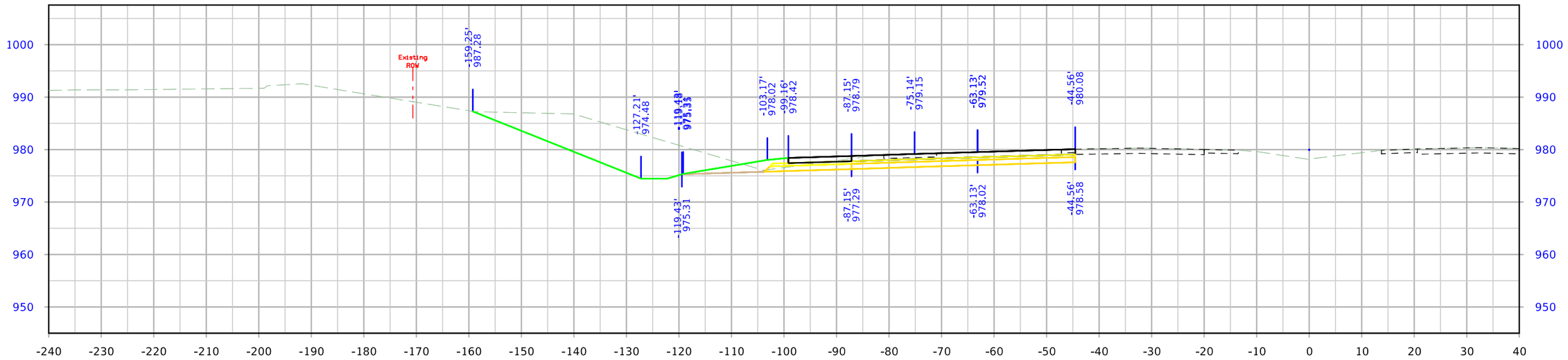


STA. 1302+50.00

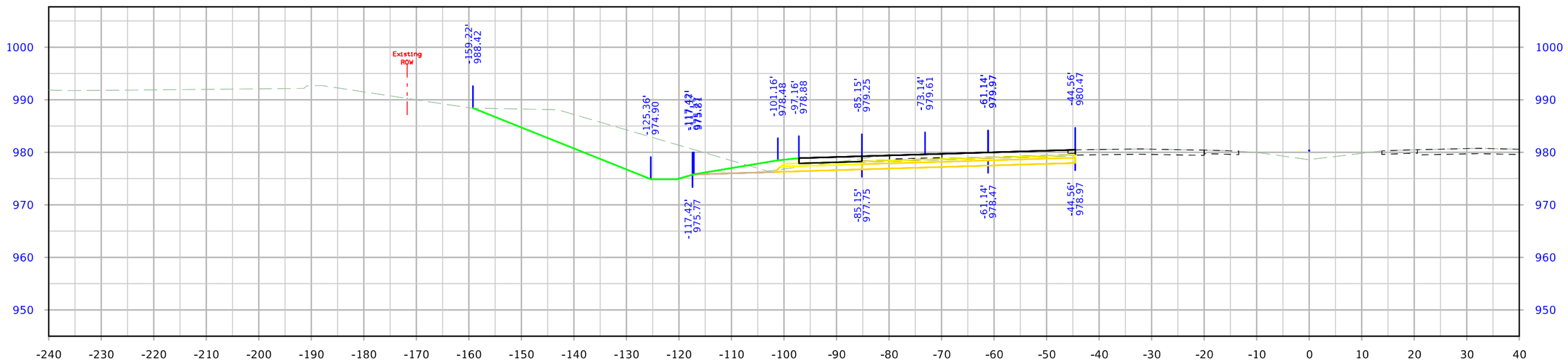
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.55

4:24:34 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W03_77035455_Z08.dgn

Mainline I-80



STA. 1304+00.00

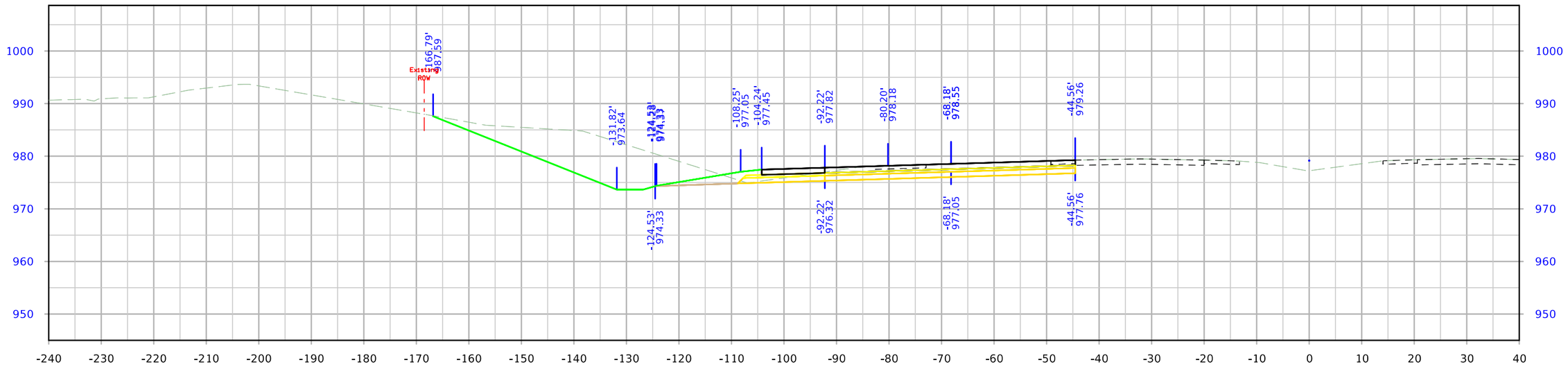


STA. 1303+50.00

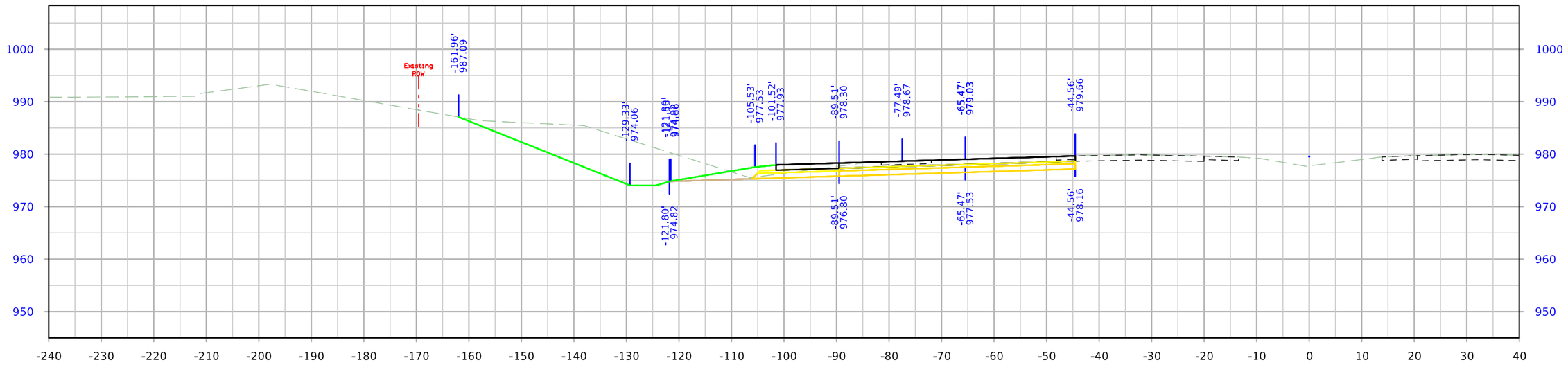
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.56

4:24:36 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W03_77035455_Z08.dgn

Mainline I-80



STA. 1305+00.00

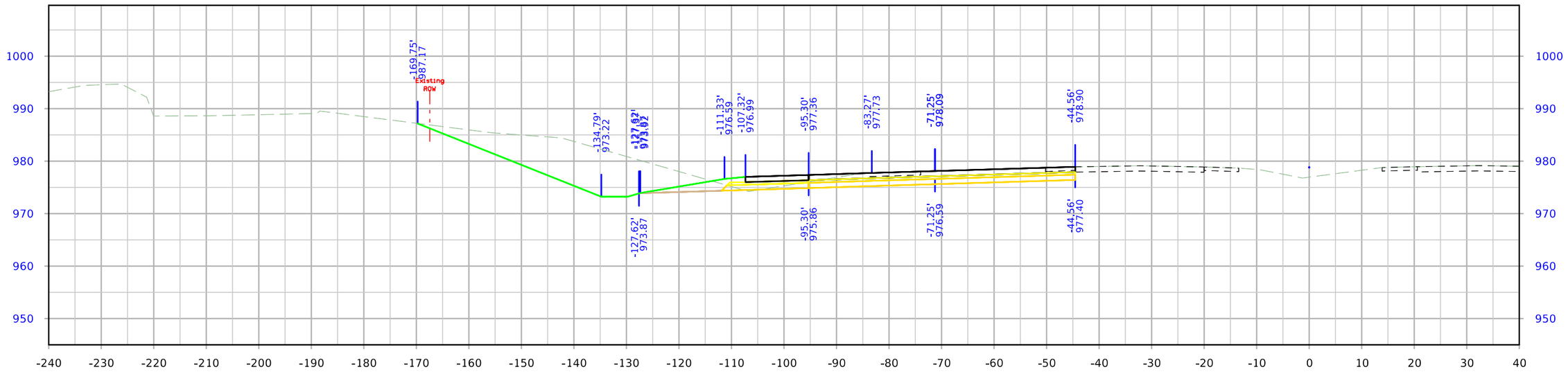


STA. 1304+50.00

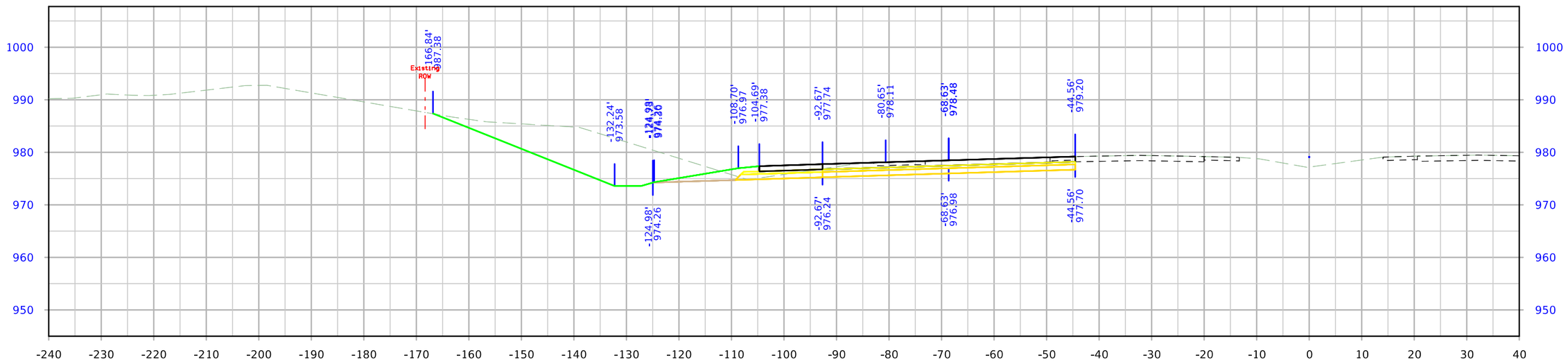
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.57

4:24:37 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W03_77035455_Z08.dgn

Mainline I-80



STA. 1305+50.00

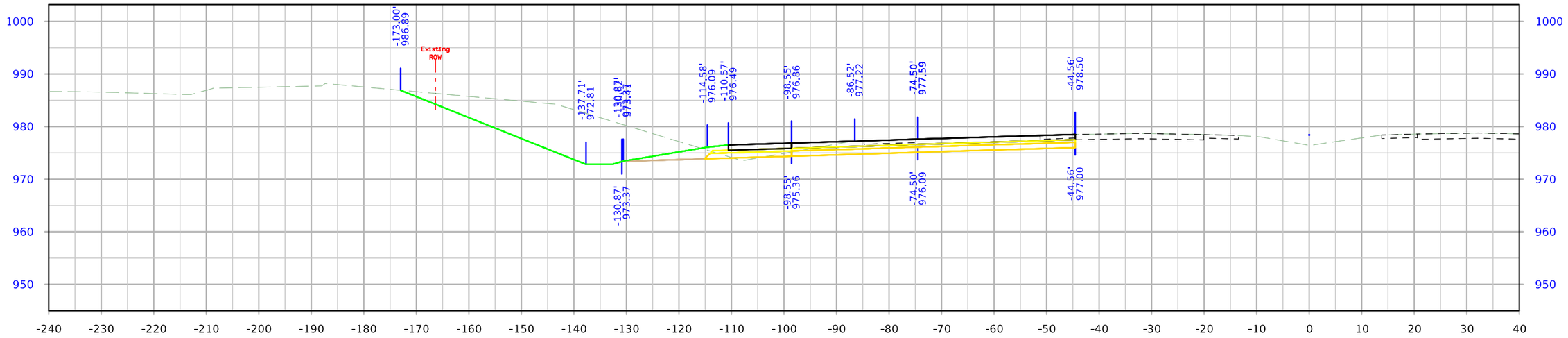


STA. 1305+07.63

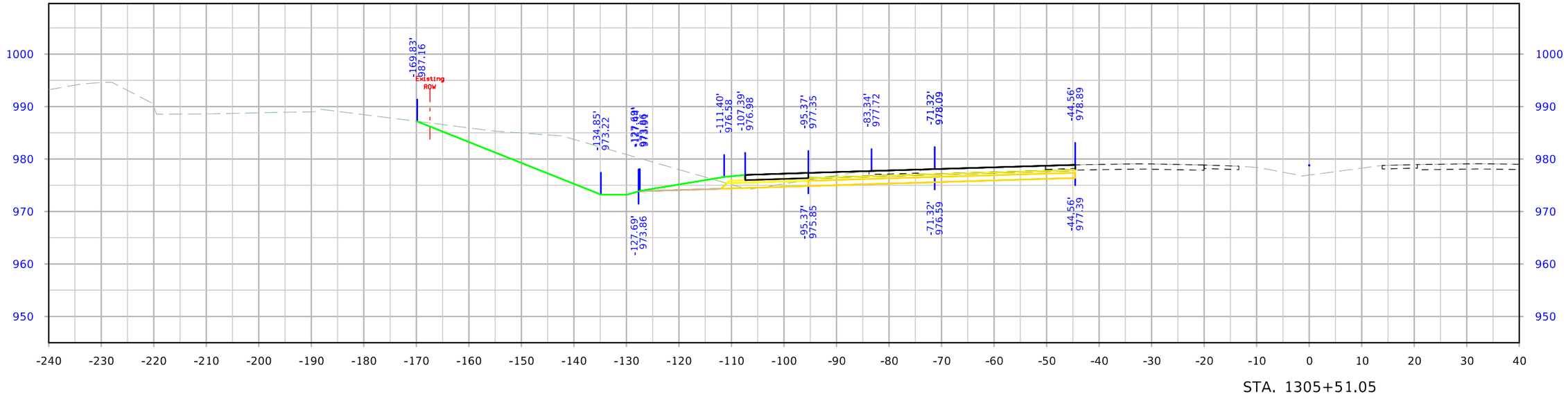
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.58

4:24:39 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W03_77035455_Z08.dgn

Mainline I-80



STA. 1306+00.00

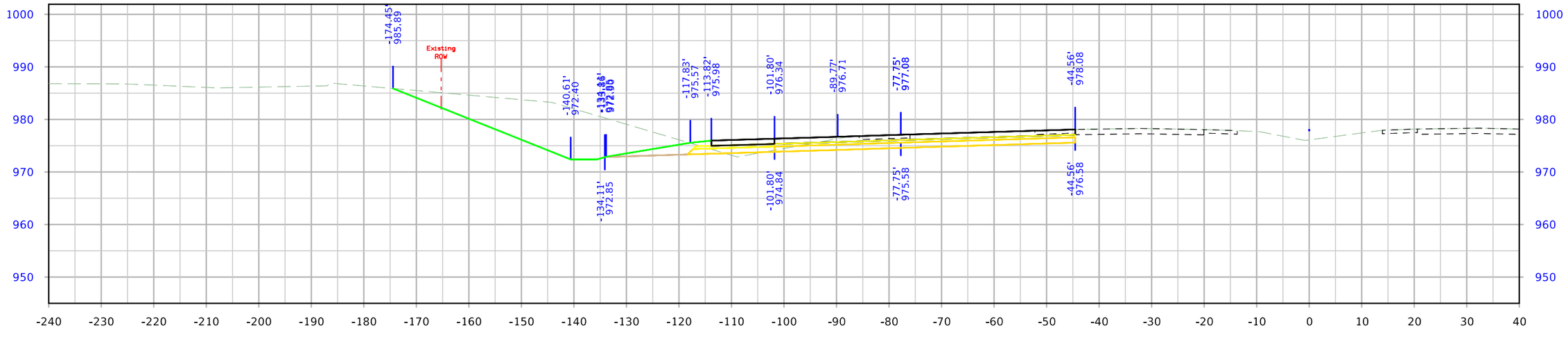


STA. 1305+51.05

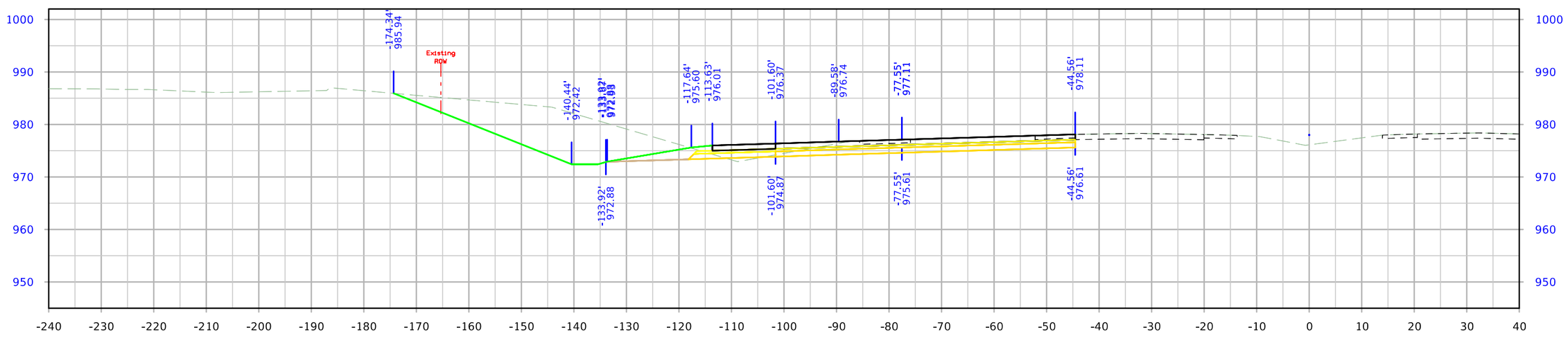
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.59	

4:24:40 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W03_77035455_Z08.dgn

Mainline I-80



STA. 1306+50.00

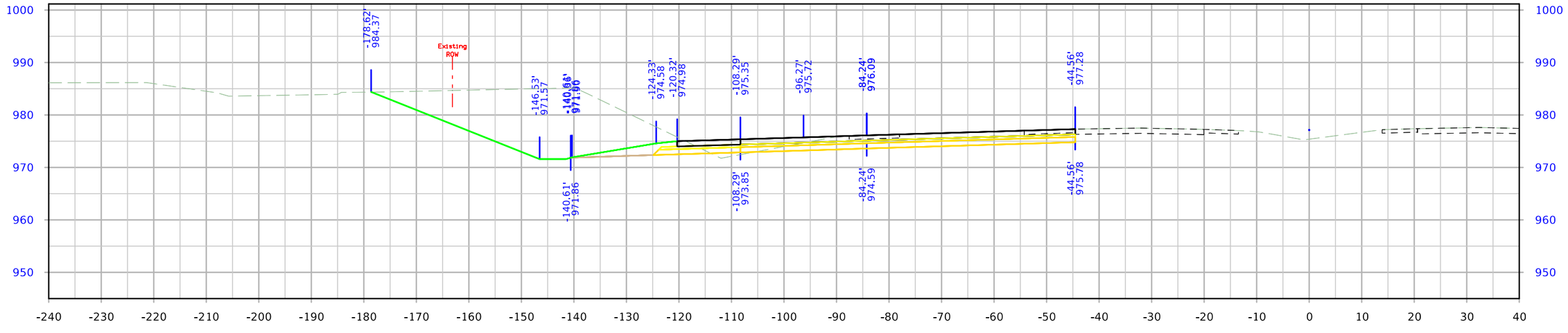


STA. 1306+47.00

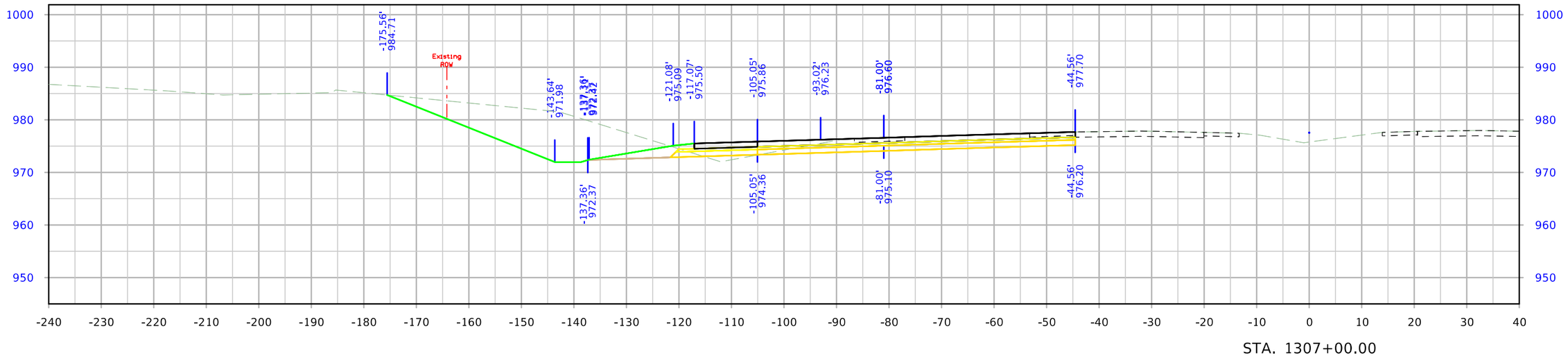
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.60

4:24:42 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W03_77035455_Z08.dgn

Mainline I-80



STA. 1307+50.00

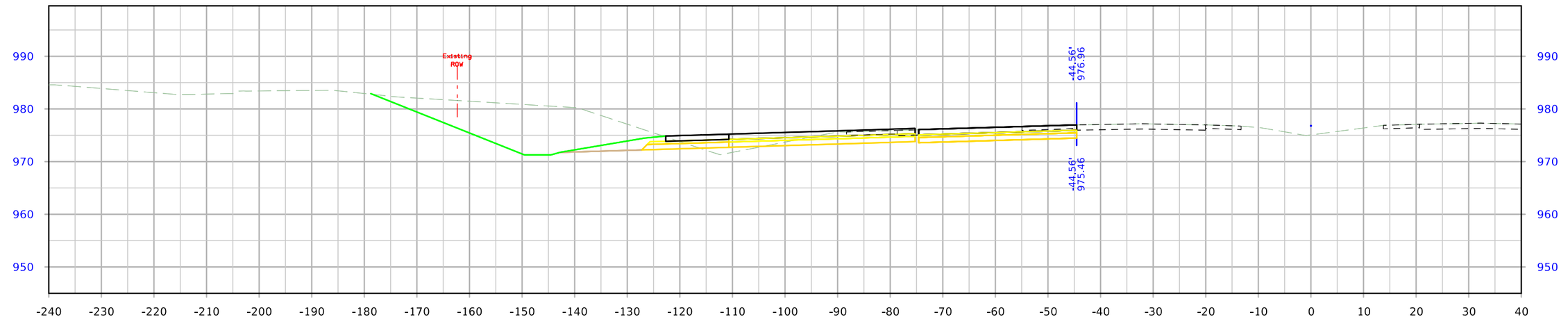


STA. 1307+00.00

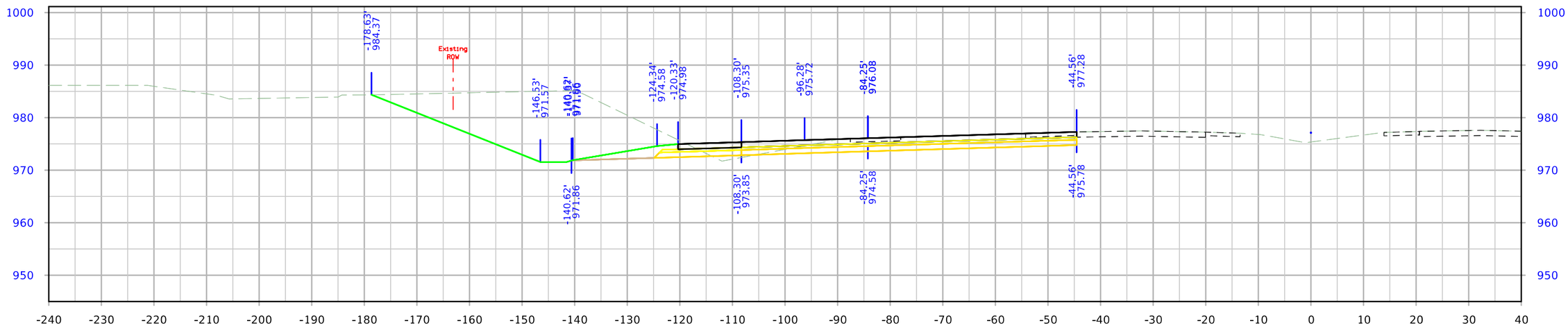
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.61

4:24:43 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W03_77035455_Z08.dgn

Mainline I-80



STA. 1307+86.50

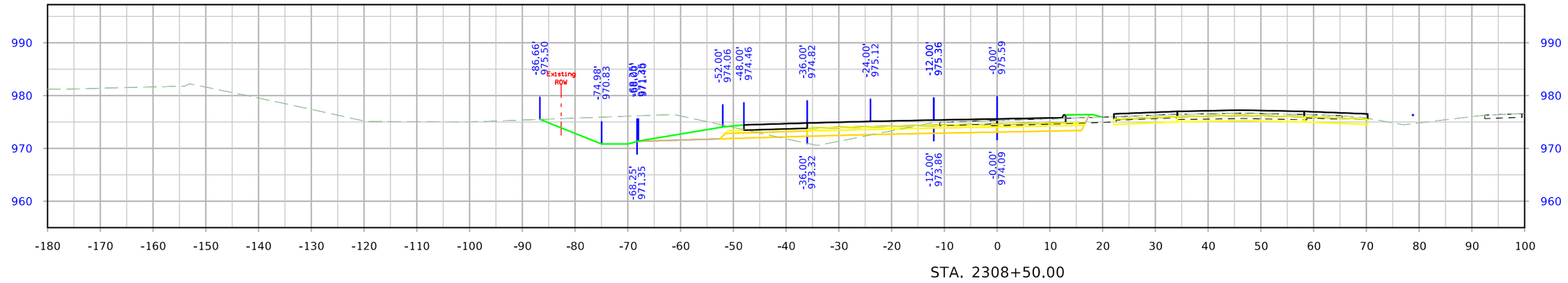


STA. 1307+50.13

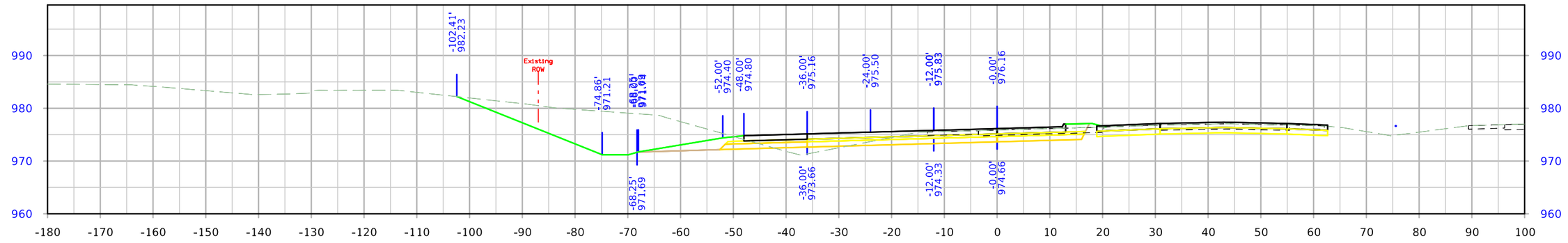
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.62

4:24:45 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W03_77035455_Z08.dgn

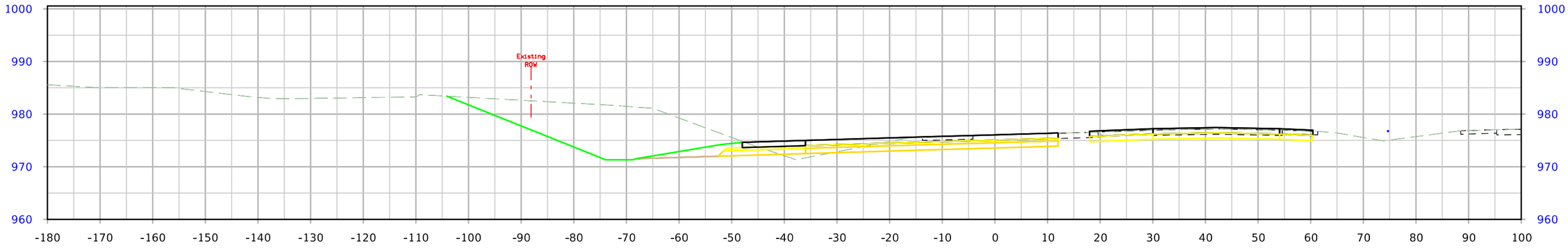
Mainline I-235 Left



STA. 2308+50.00



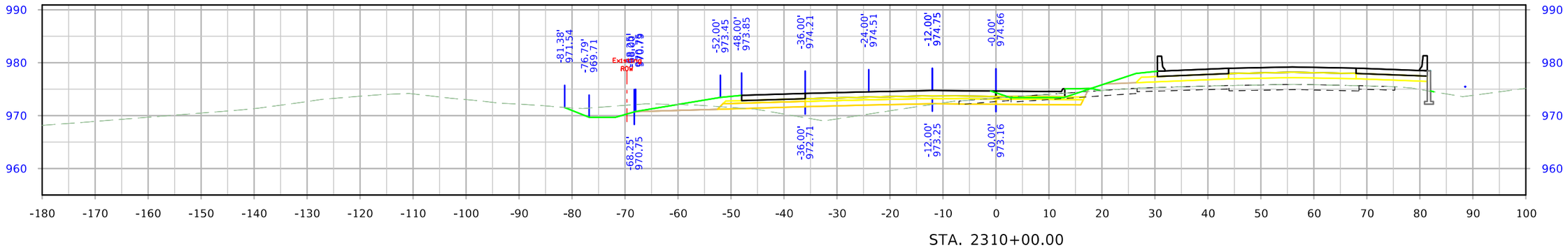
STA. 2308+00.00



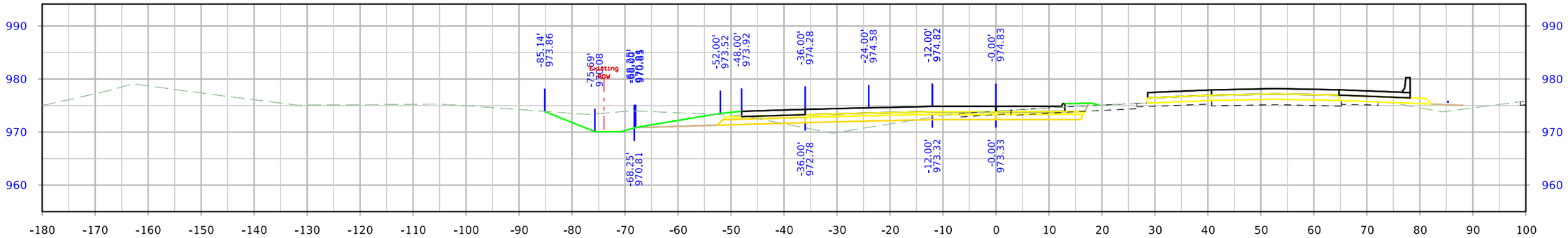
STA. 2307+86.54

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.63	

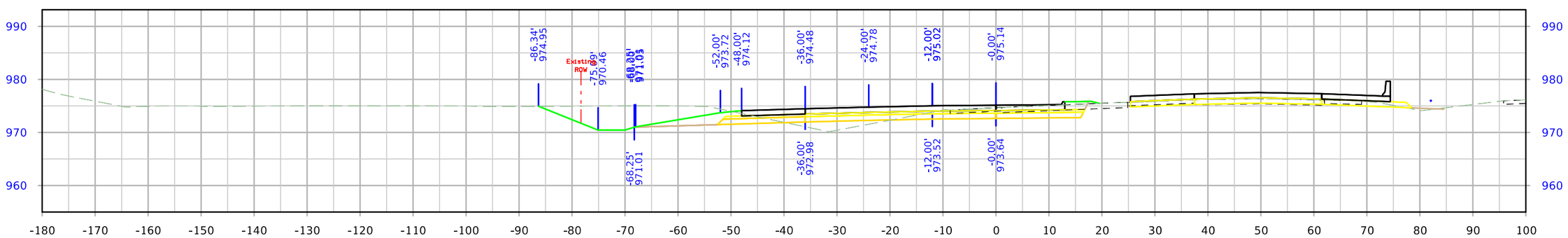
Mainline I-235 Left



STA. 2310+00.00



STA. 2309+50.00

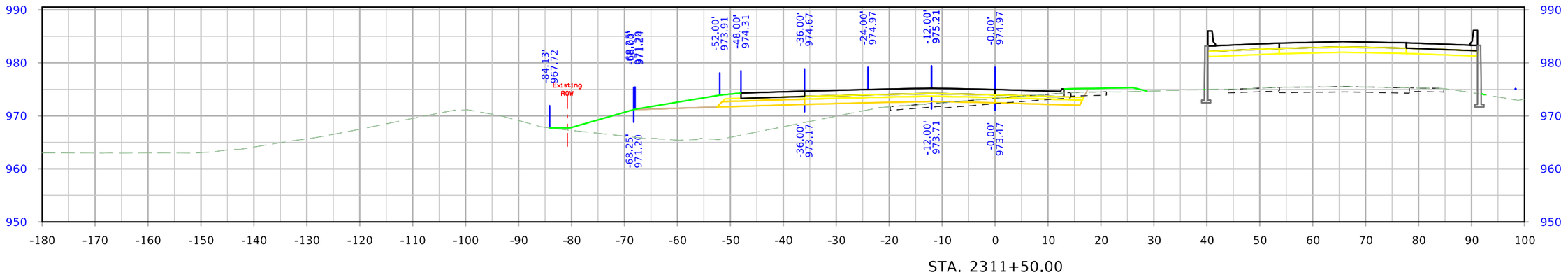


STA. 2309+00.00

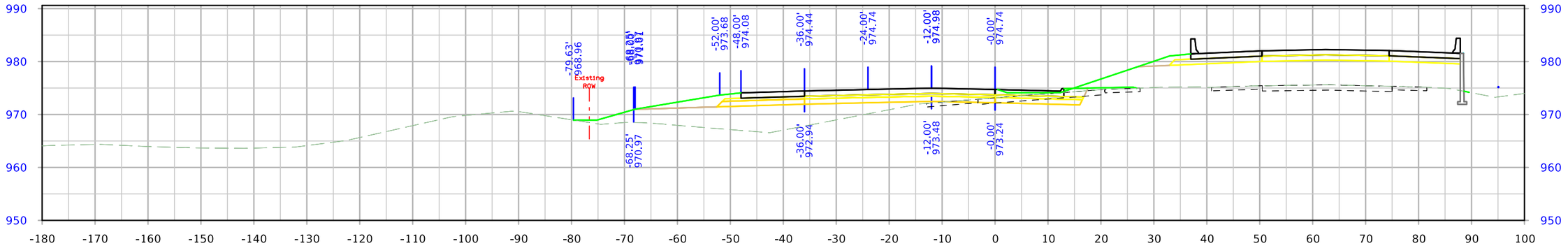
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.64

4:24:56 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W04_77035455_Z08.dgn

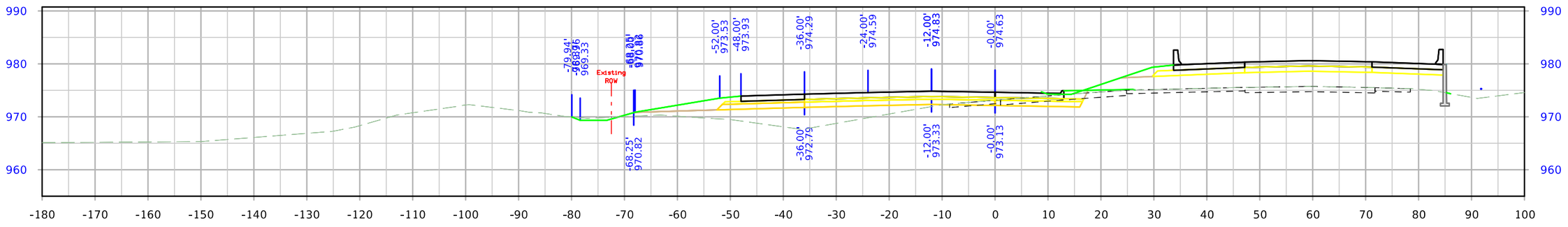
Mainline I-235 Left



STA. 2311+50.00



STA. 2311+00.00

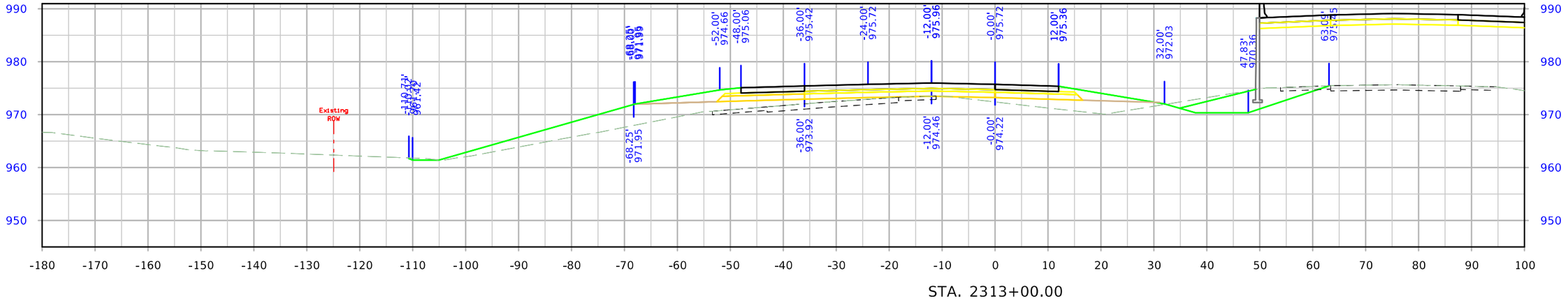


STA. 2310+50.00

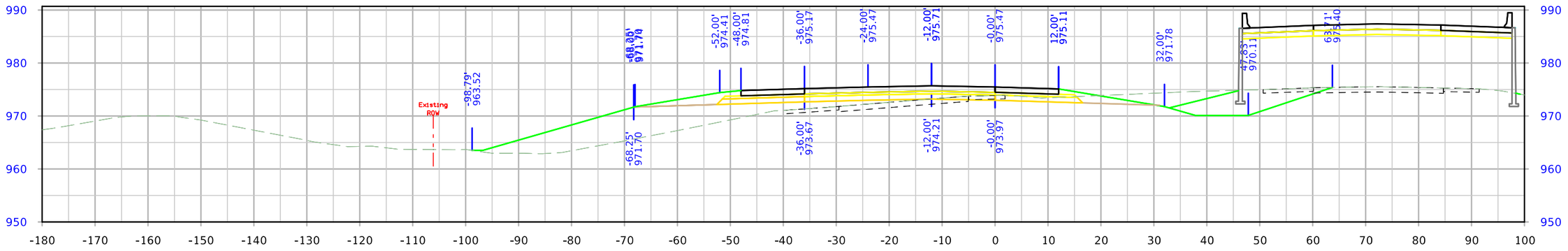
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.65

4:24:58 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W04_77035455_Z08.dgn

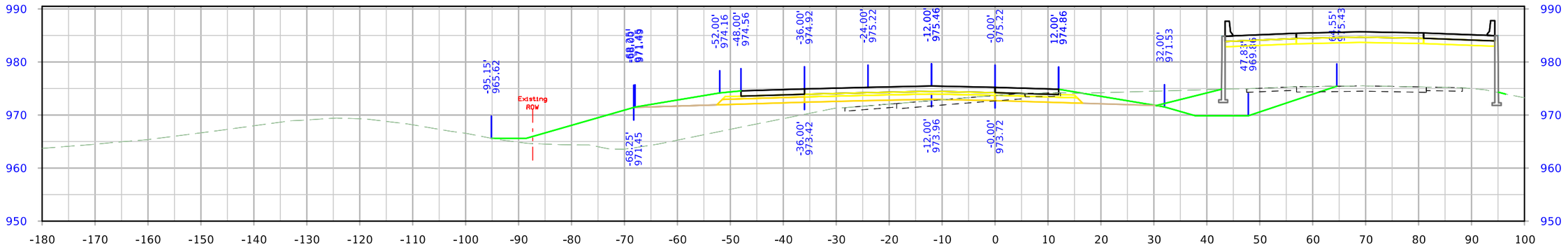
Mainline I-235 Left



STA. 2313+00.00



STA. 2312+50.00



STA. 2312+00.00

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.66	

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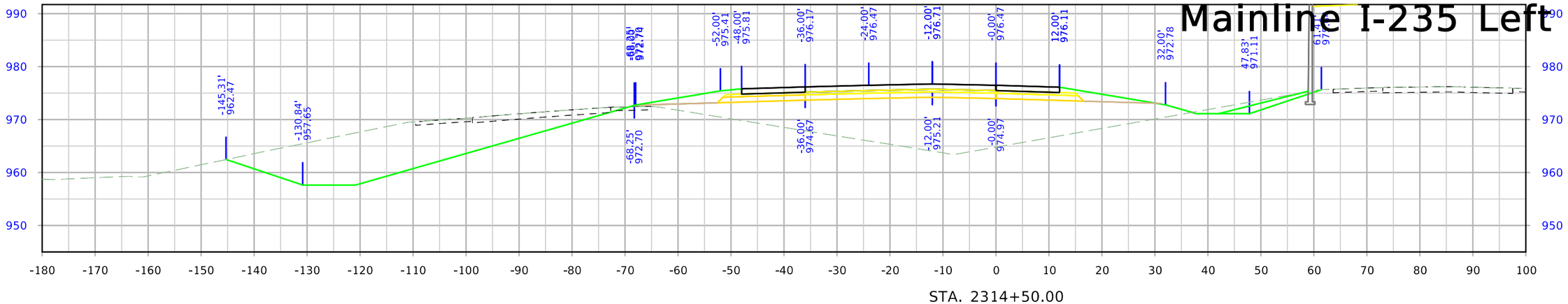
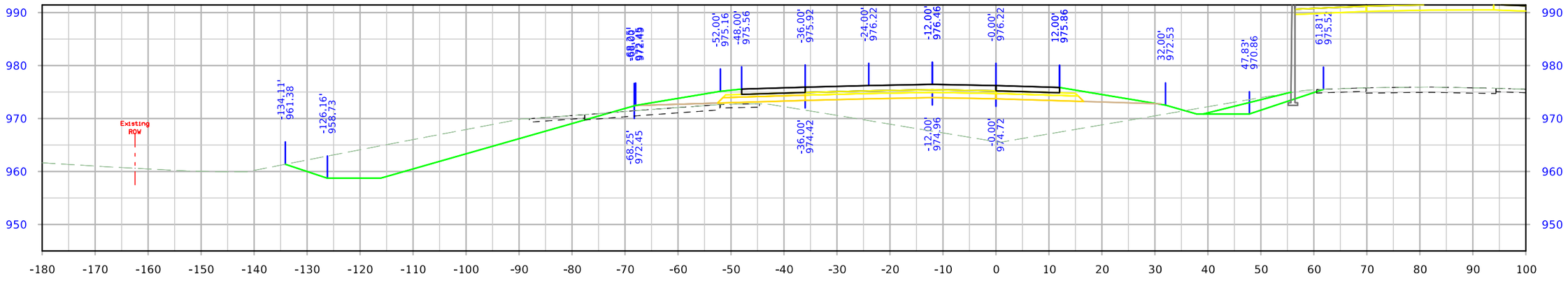
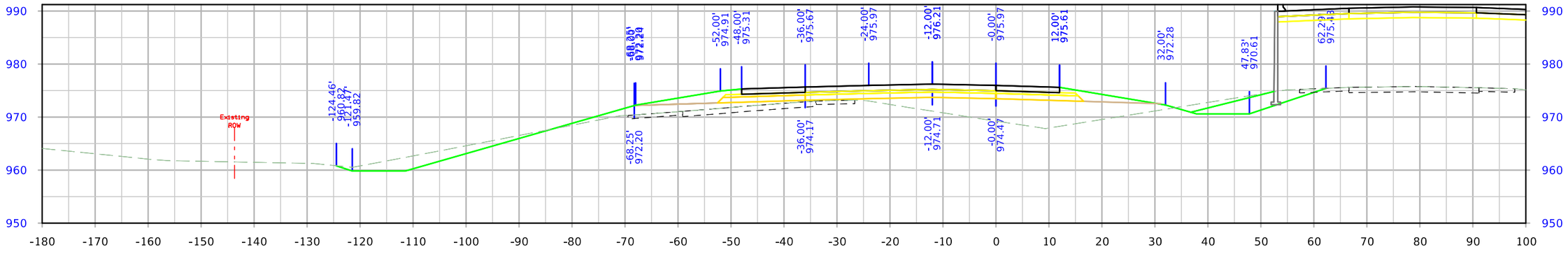


STA. 2314+50.00



STA. 2314+00.00

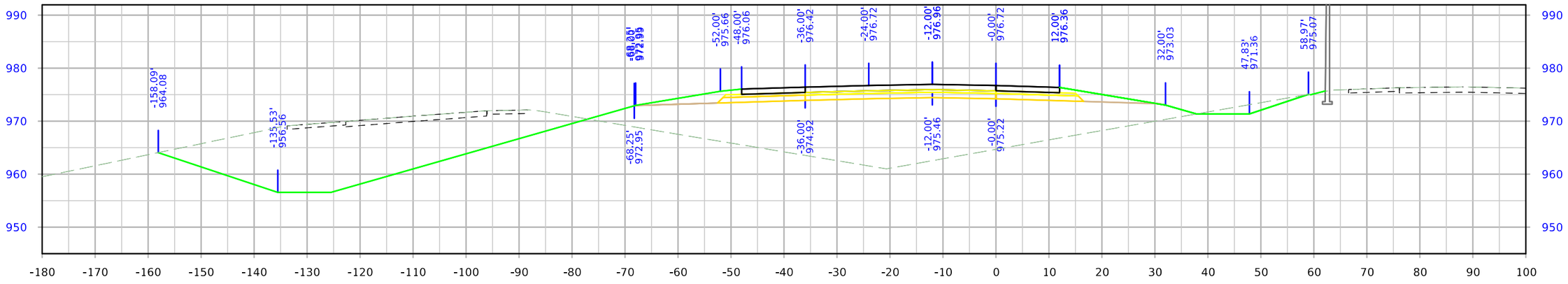


STA. 2313+50.00

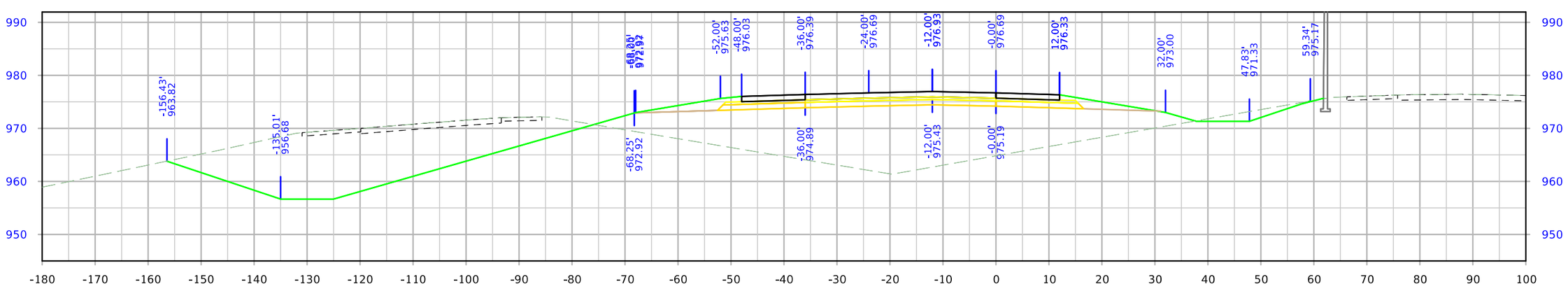
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.67

4:25:04 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W04_77035455_Z08.dgn

Mainline I-235 Left



STA. 2315+00.00



STA. 2314+94.43

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.68

4:25:06 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W04_77035455_Z08.dgn

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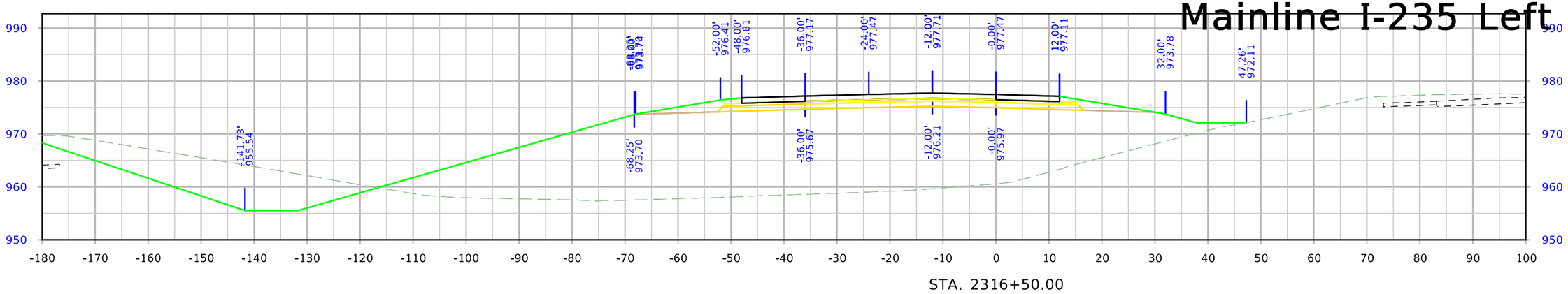
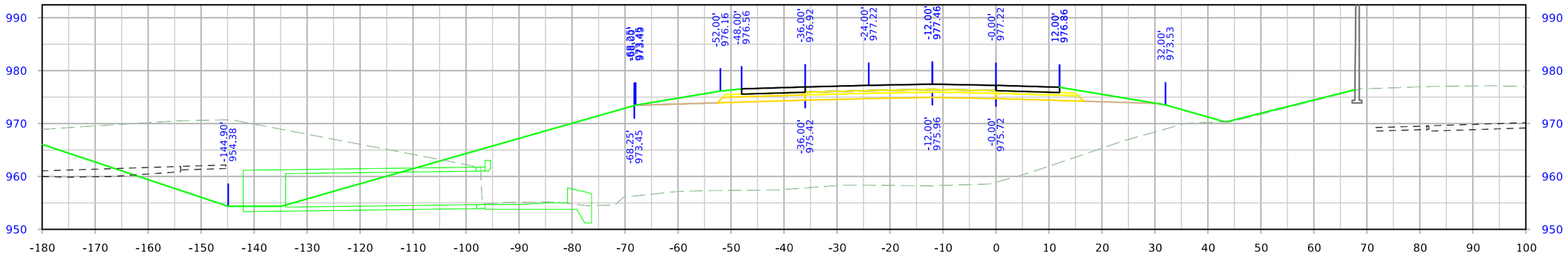
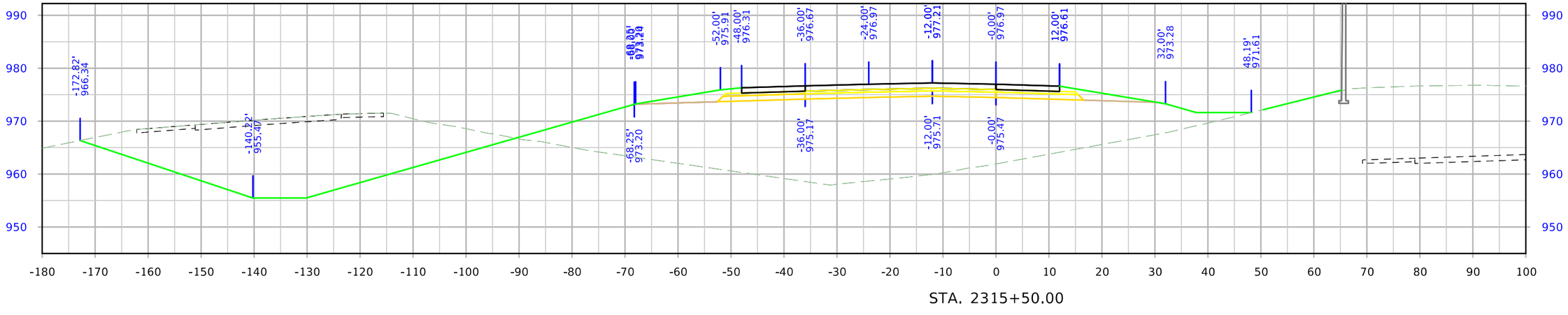


STA. 2316+50.00



STA. 2316+00.00



STA. 2315+50.00

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.69

4:25:08 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W04_77035455_Z08.dgn

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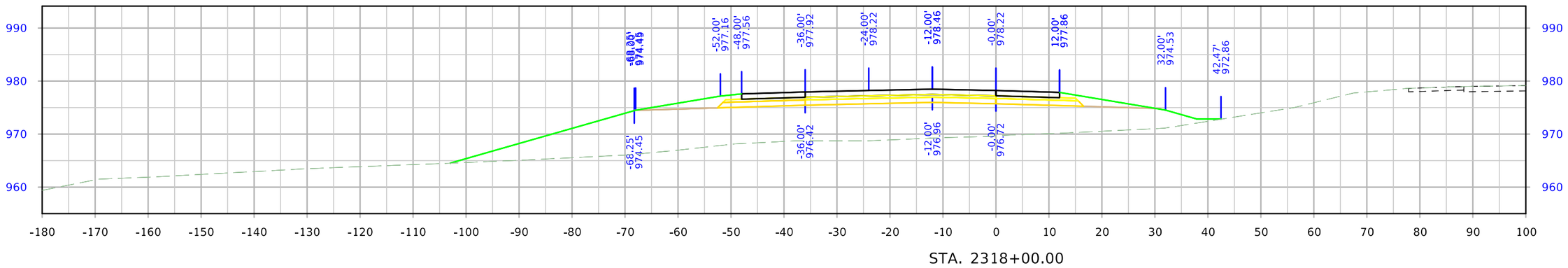
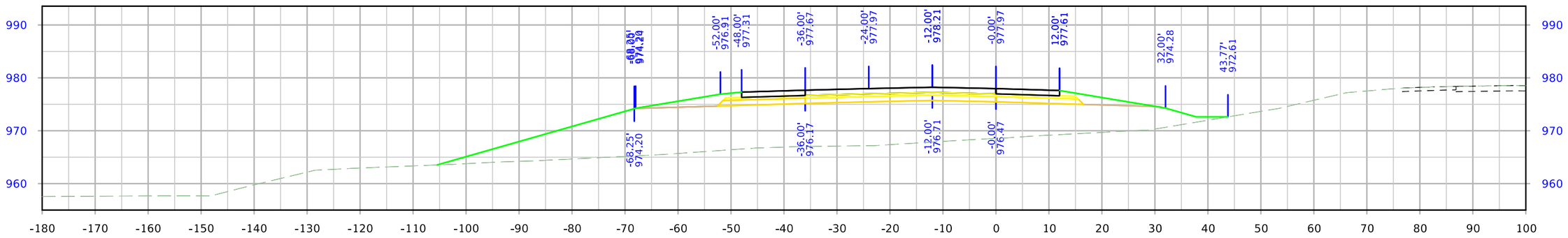
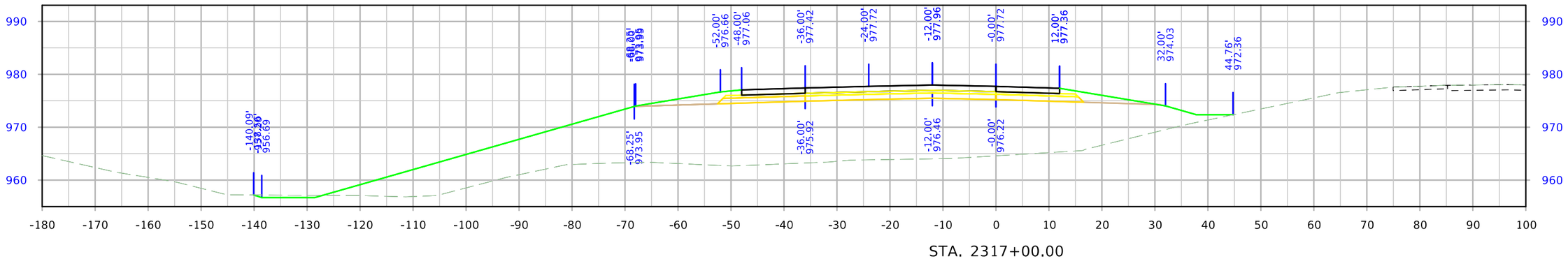


STA. 2318+00.00



STA. 2317+50.00

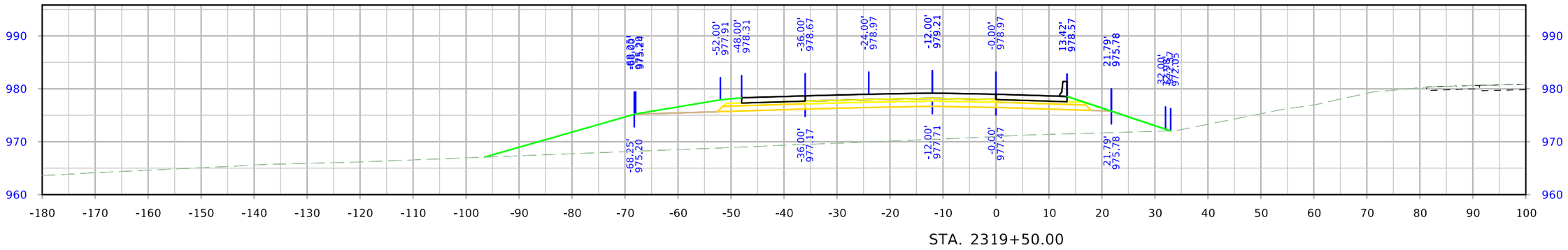


STA. 2317+00.00

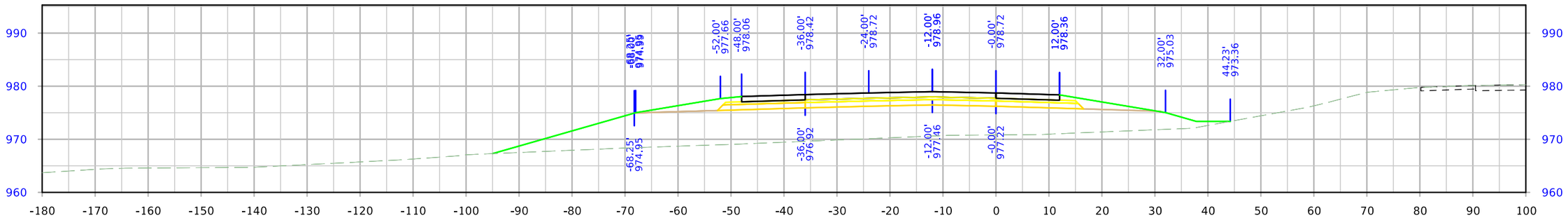
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.70

4:25:10 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W04_77035455_Z08.dgn

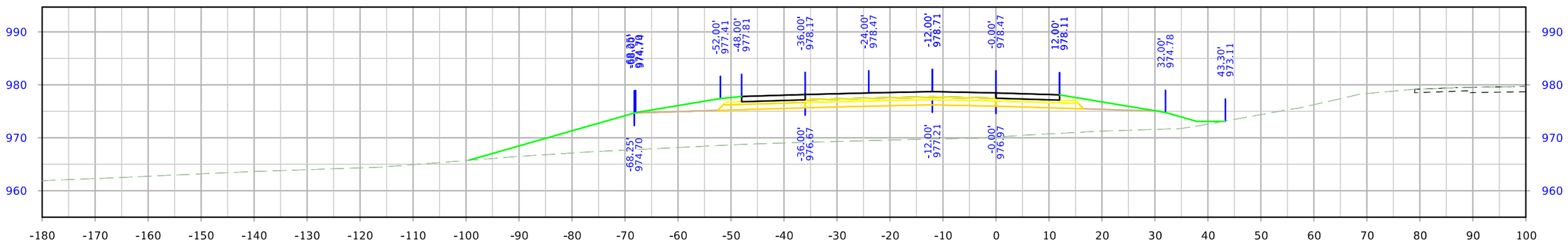
Mainline I-235 Left



STA. 2319+50.00



STA. 2319+00.00

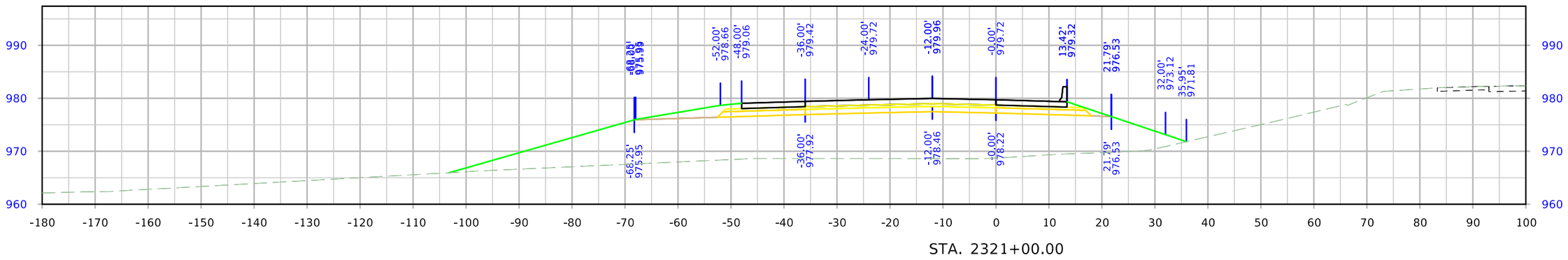


STA. 2318+50.00

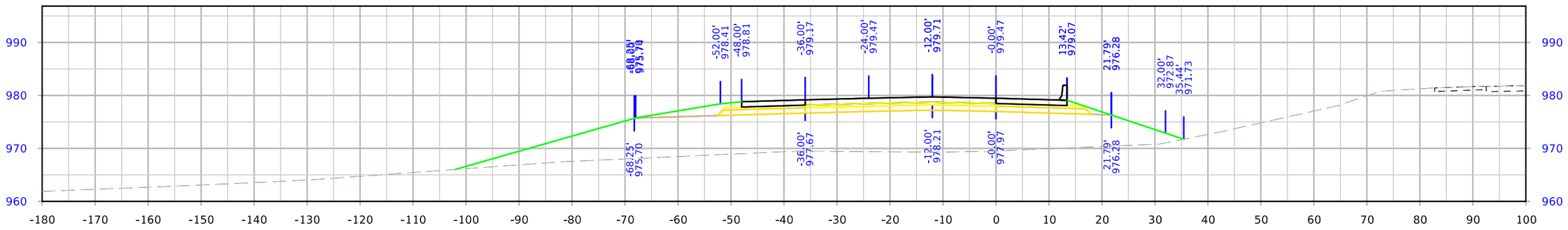
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.71

4:25:13 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W04_77035455_Z08.dgn

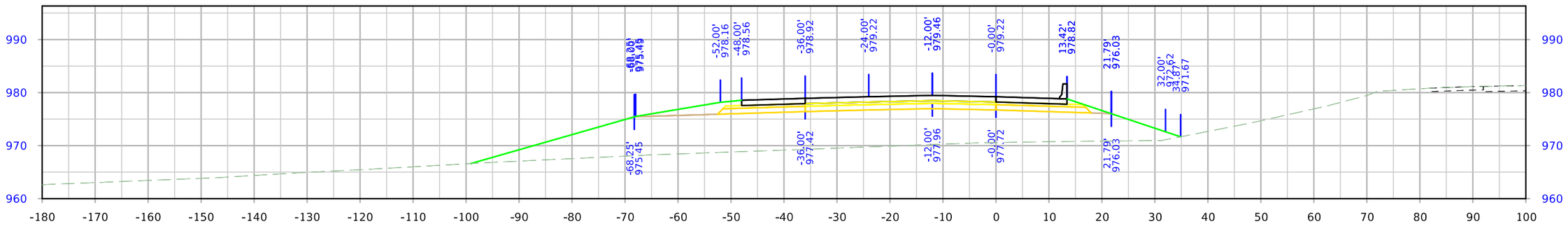
Mainline I-235 Left



STA. 2321+00.00



STA. 2320+50.00

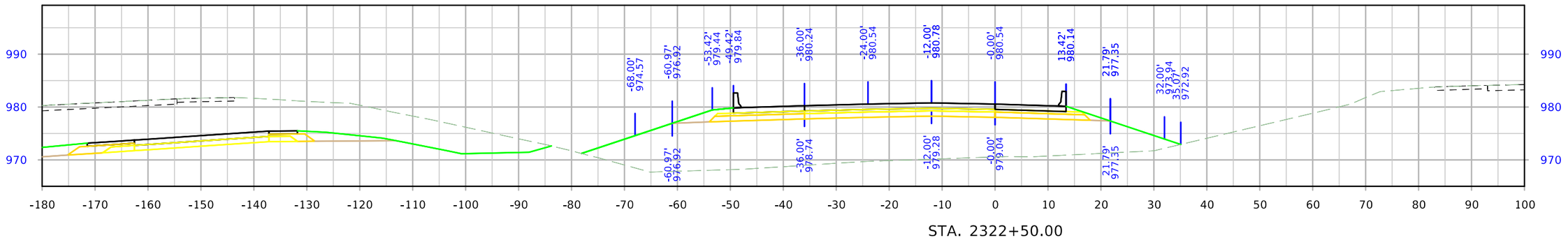


STA. 2320+00.00

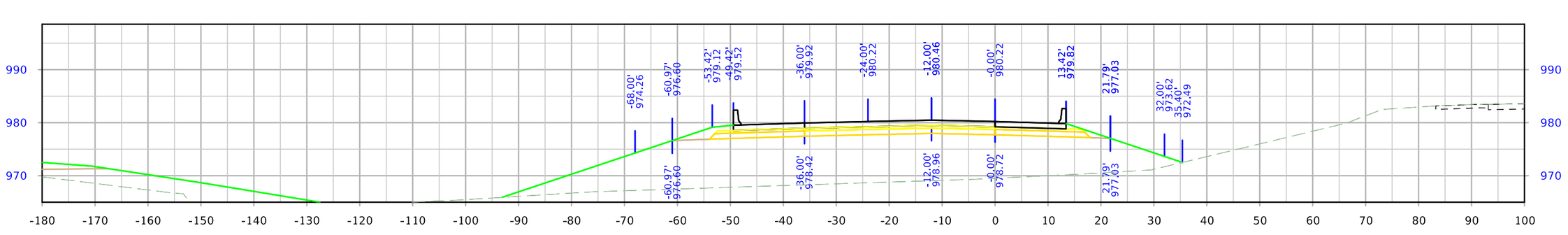
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.72

4:25:15 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W04_77035455_Z08.dgn

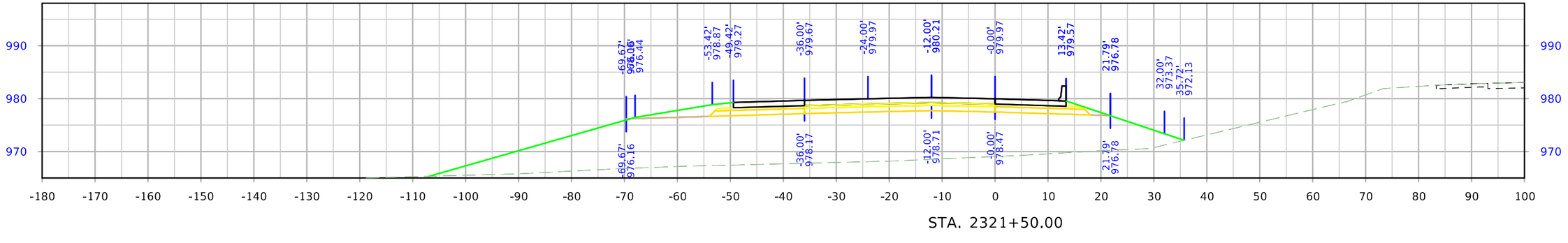
Mainline I-235 Left



STA. 2322+50.00



STA. 2322+00.00



STA. 2321+50.00

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.73

4:25:18 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W04_77035455_Z08.dgn

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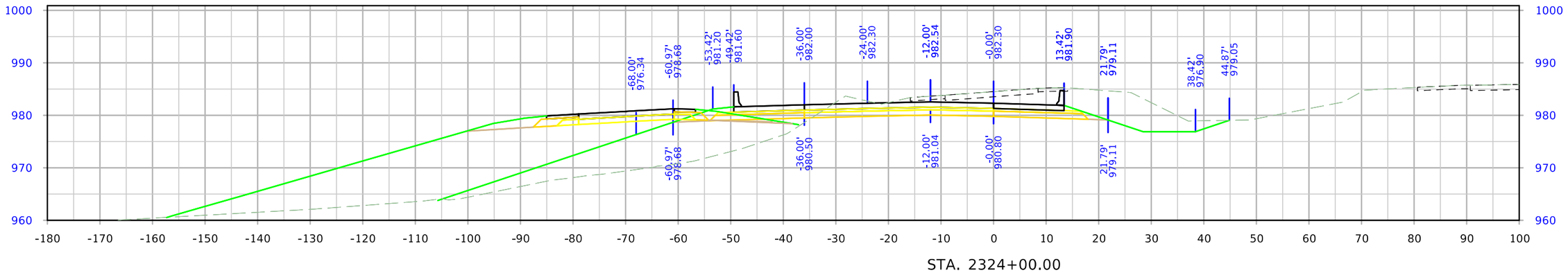
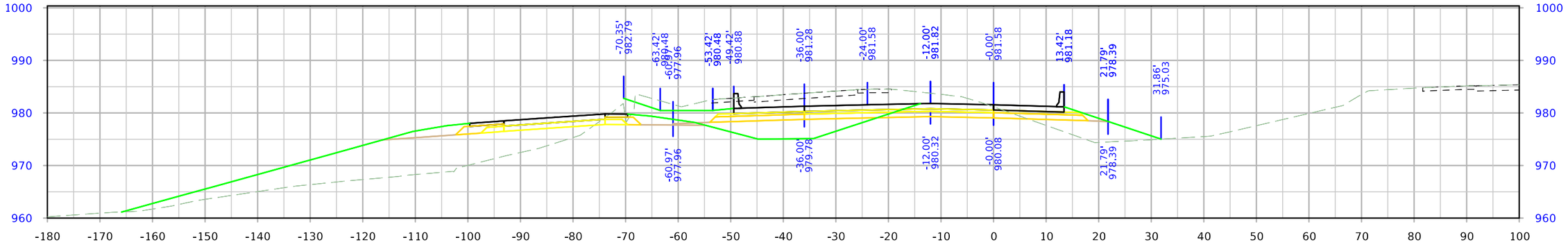
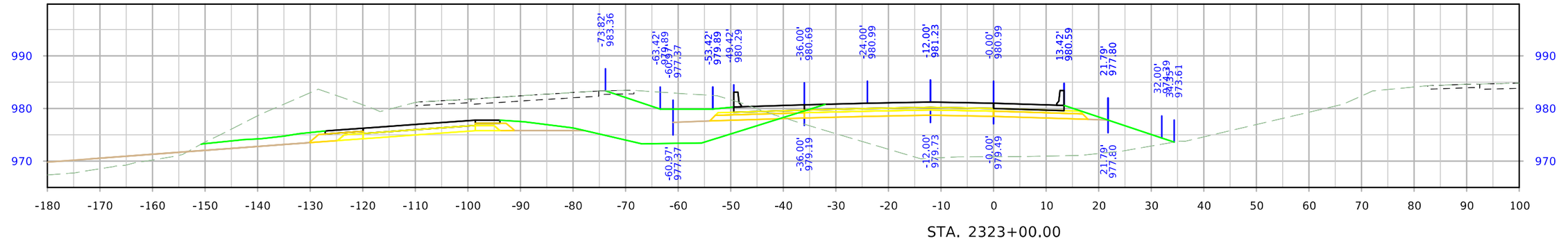


STA. 2324+00.00



STA. 2323+50.00



STA. 2323+00.00

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.74

4:25:20 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W04_77035455_Z08.dgn

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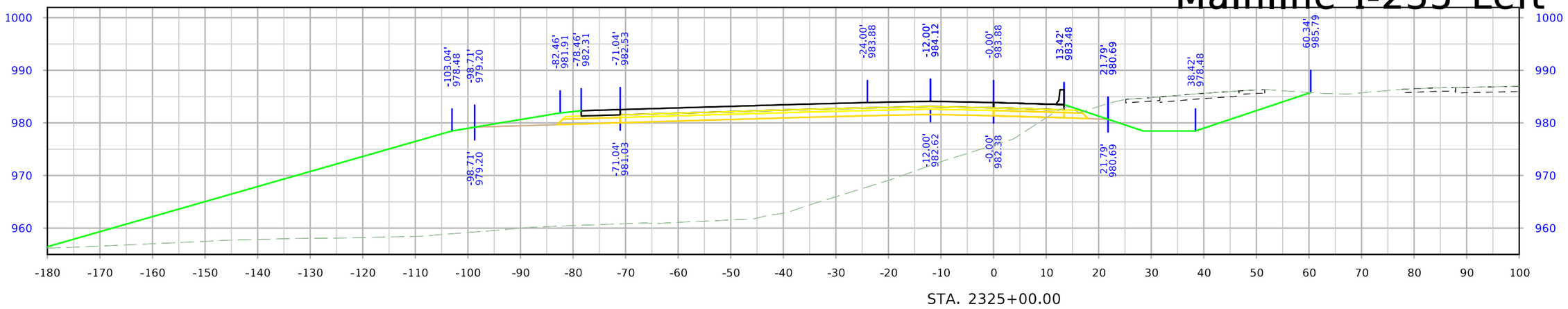
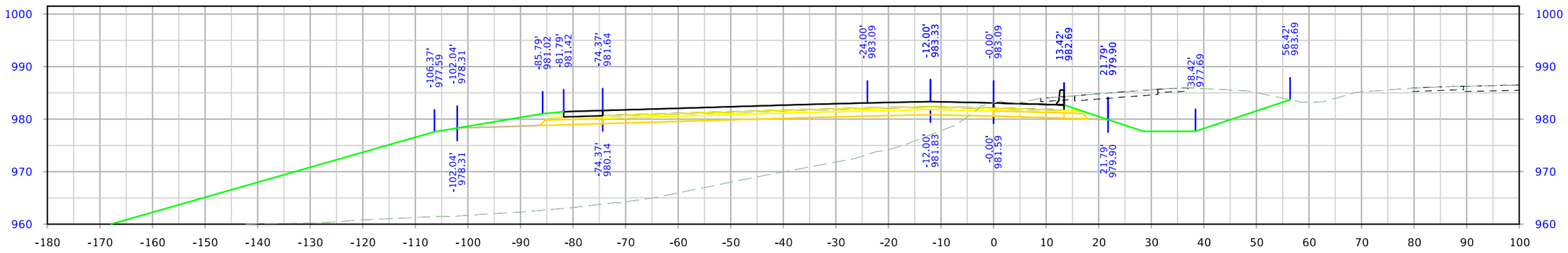
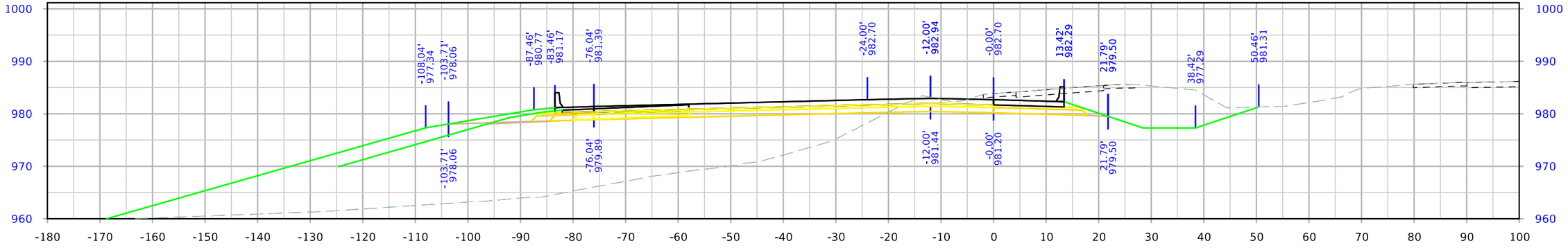


STA. 2325+00.00



STA. 2324+50.00



STA. 2324+25.00

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.75

4:25:23 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W04_77035455_Z08.dgn

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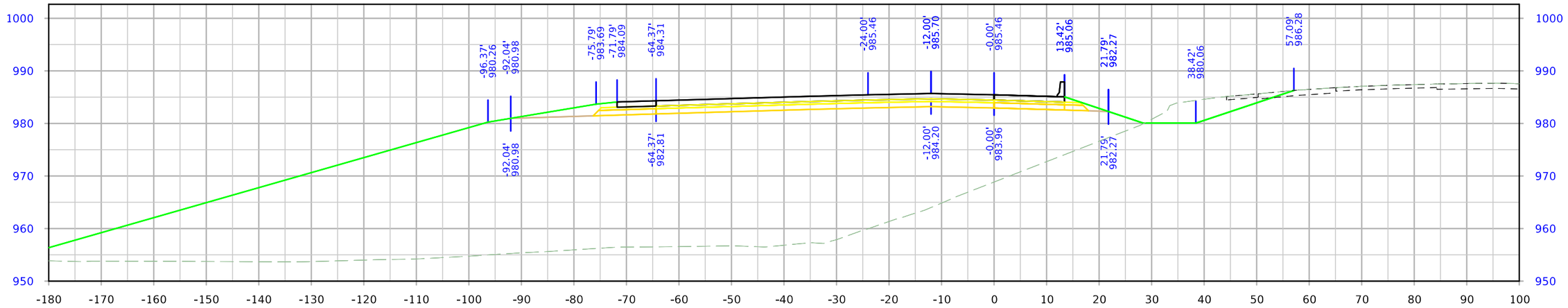
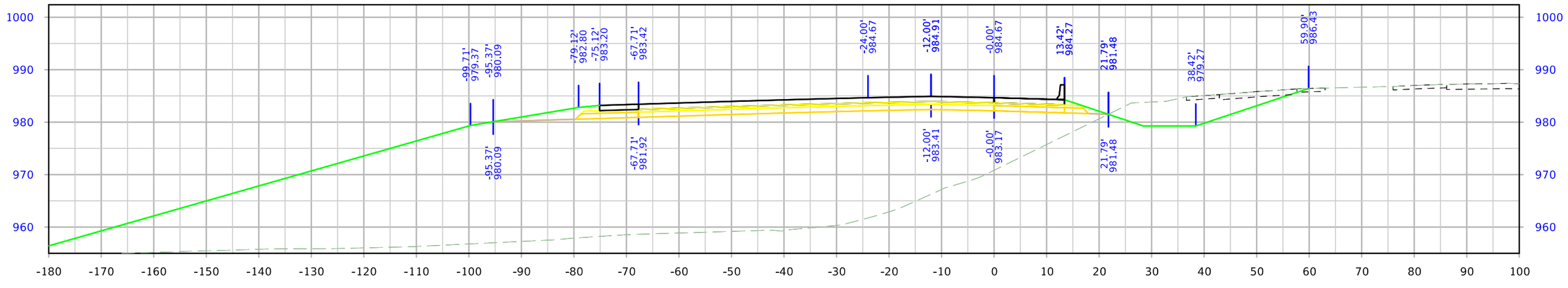


STA. 2326+00.00



STA. 2325+50.00

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.76

4:25:25 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W04_77035455_Z08.dgn

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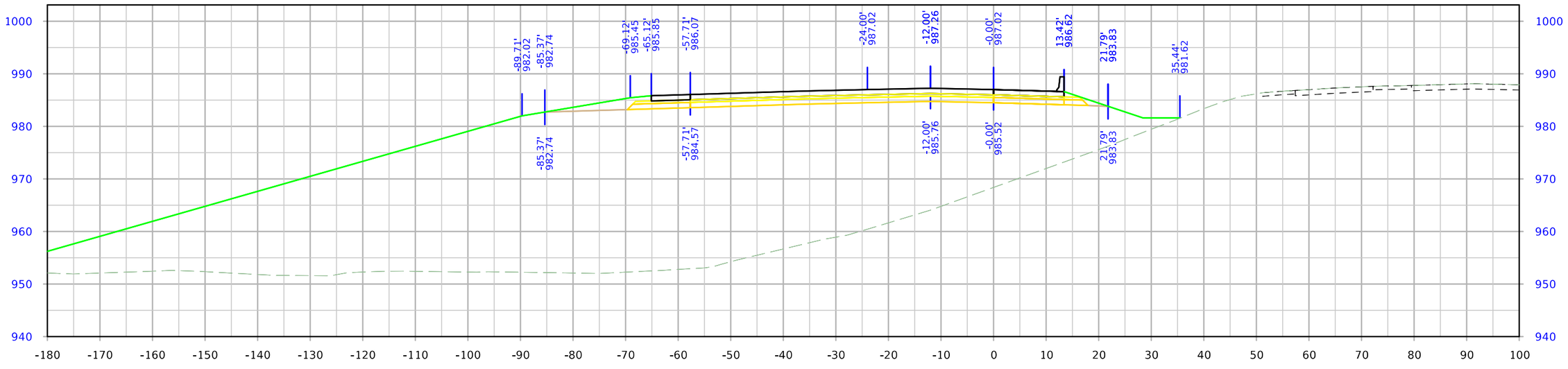
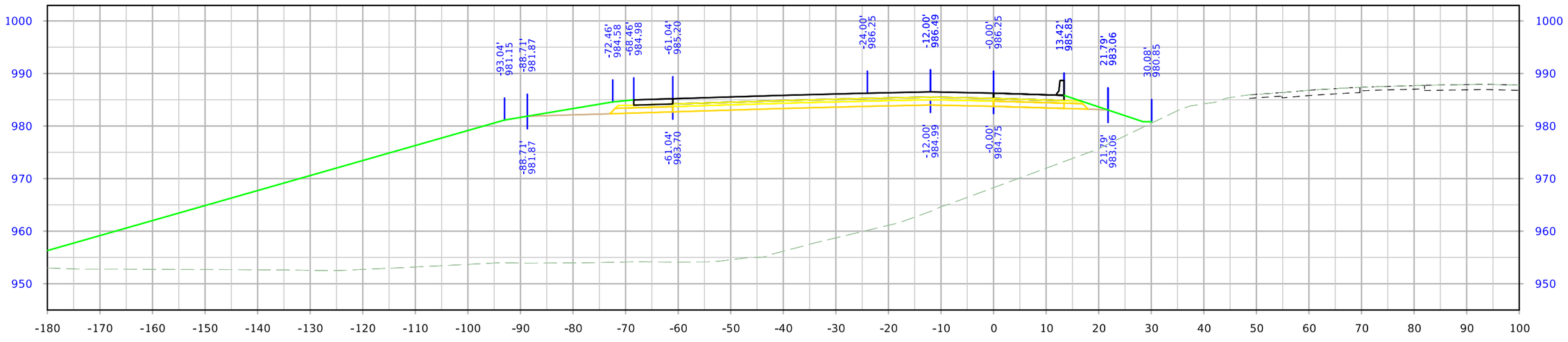


STA. 2327+00.00



STA. 2326+50.00

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.77

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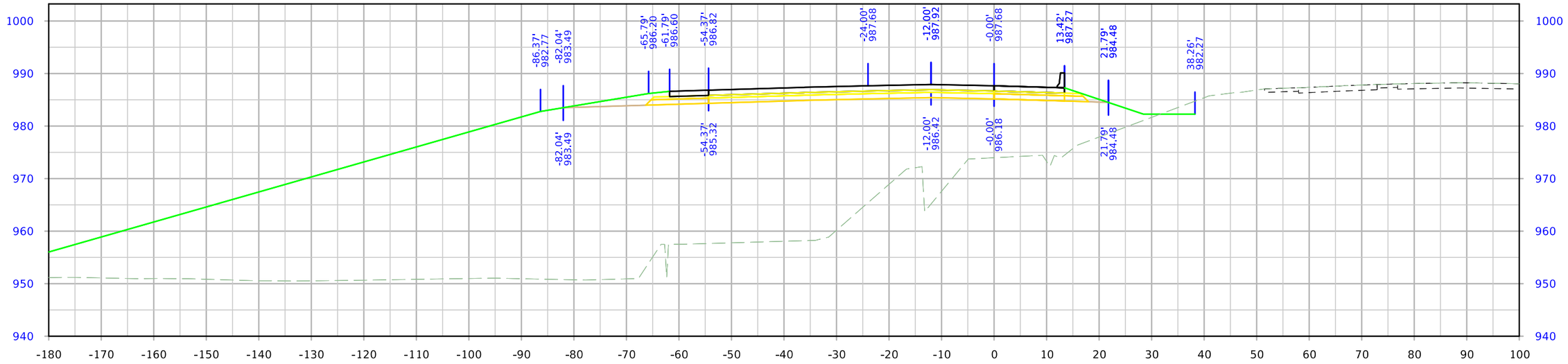
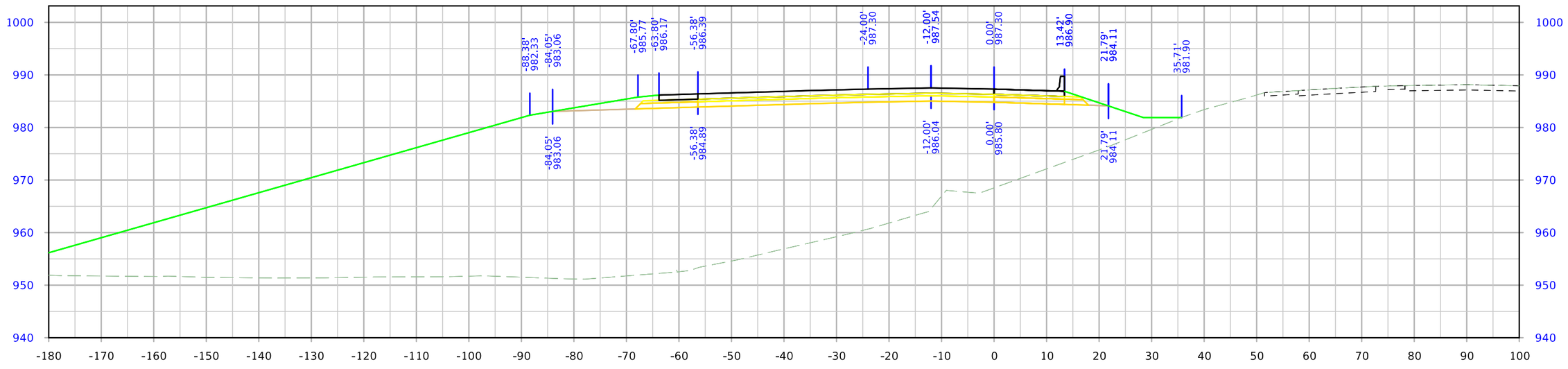


STA. 2327+50.00



STA. 2327+19.89

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.78

4:25:30 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W04_77035455_Z08.dgn

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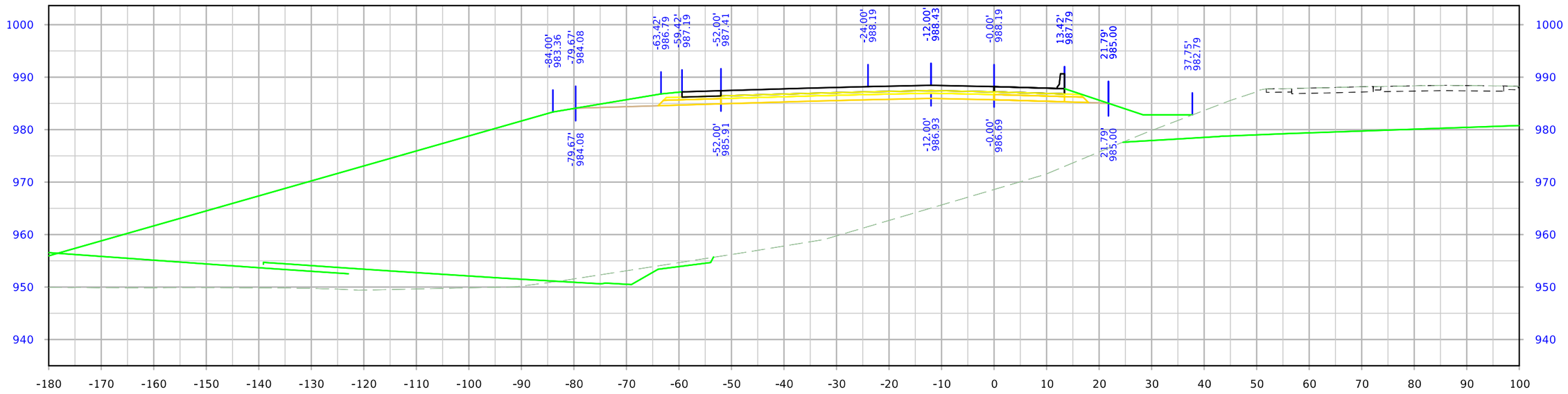

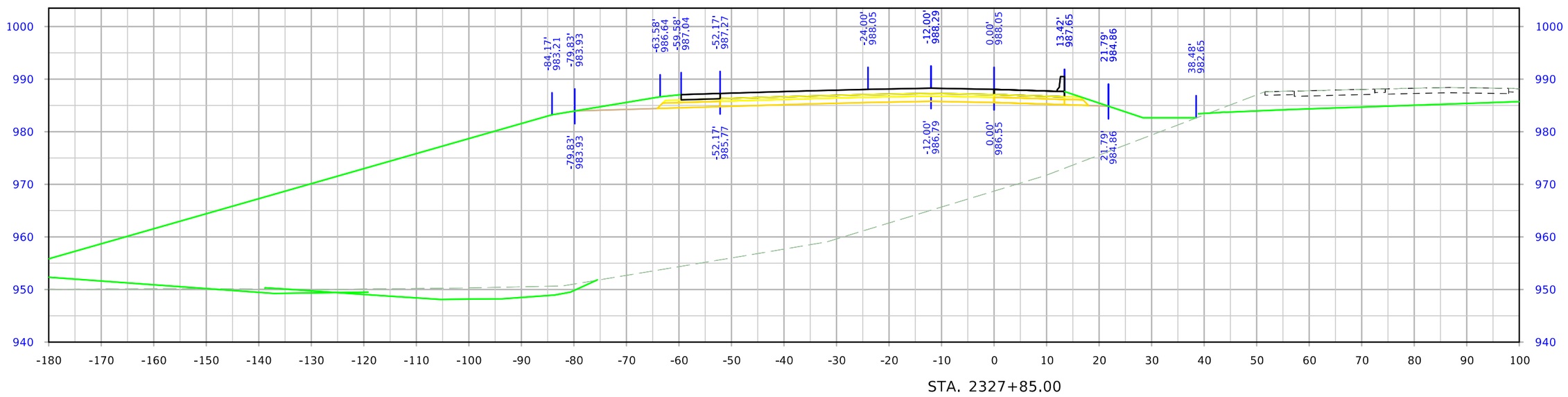

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.79

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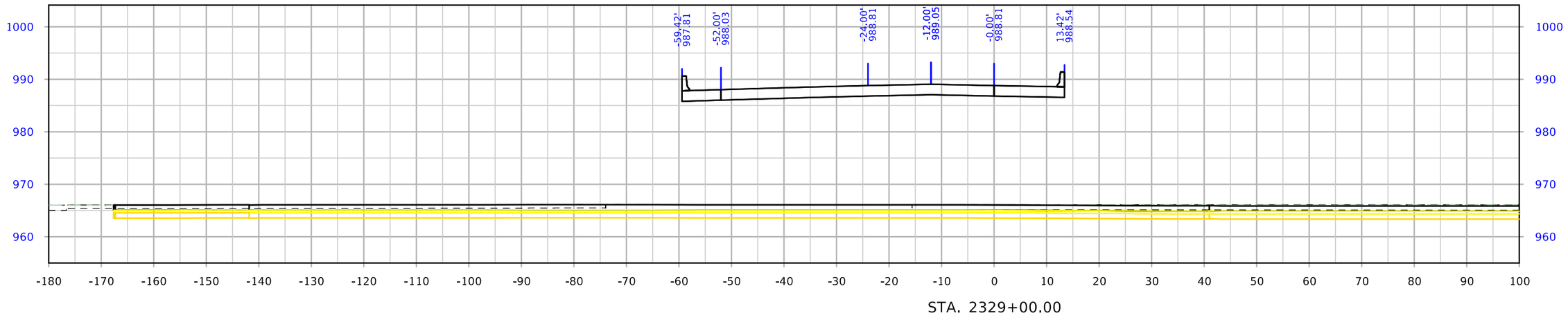
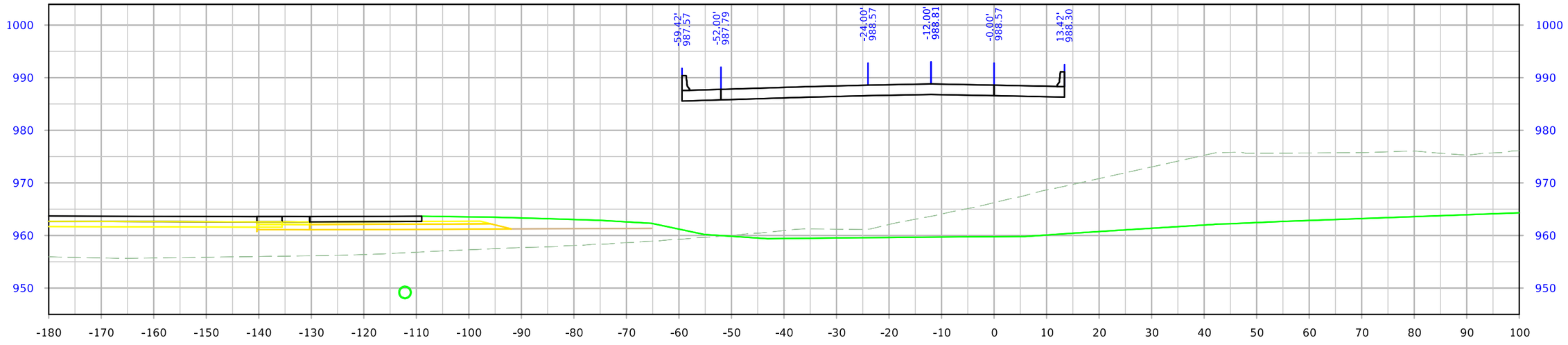


STA. 2329+00.00



STA. 2328+50.00

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.80

4:25:36 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W04_77035455_Z08.dgn

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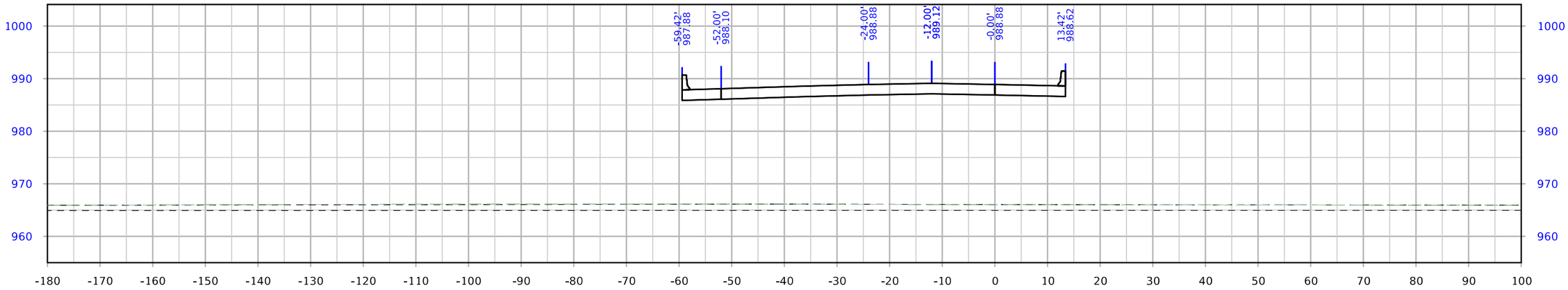
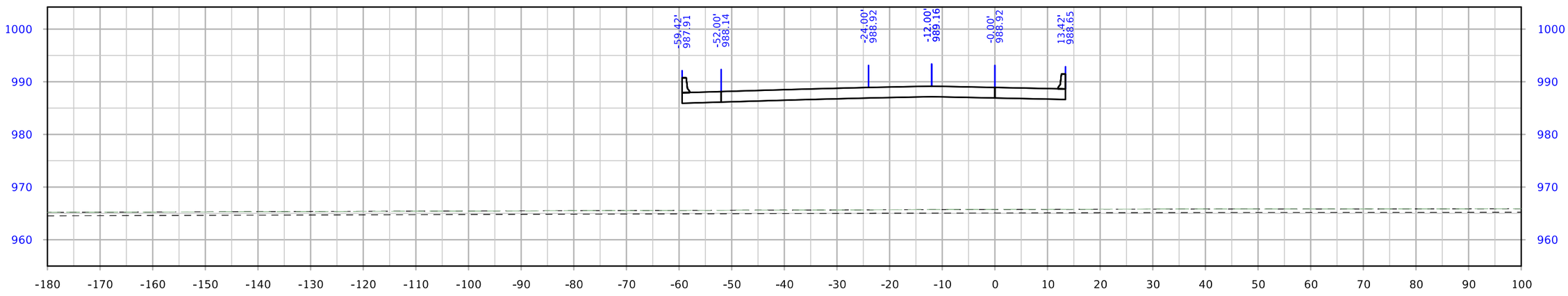


STA. 2330+00.00



STA. 2329+50.00

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.81

4:25:38 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W04_77035455_Z08.dgn

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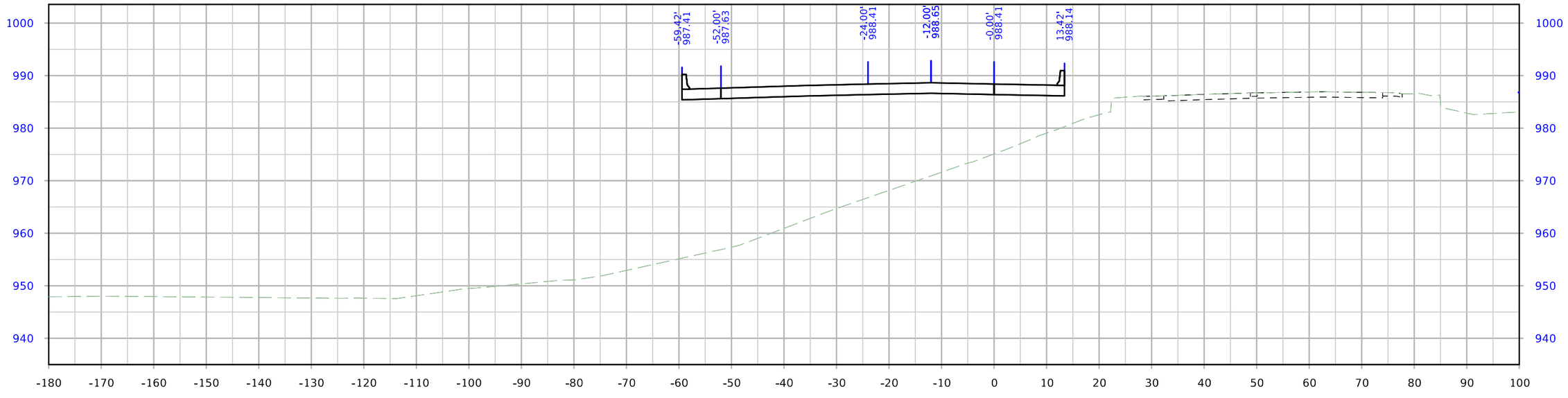
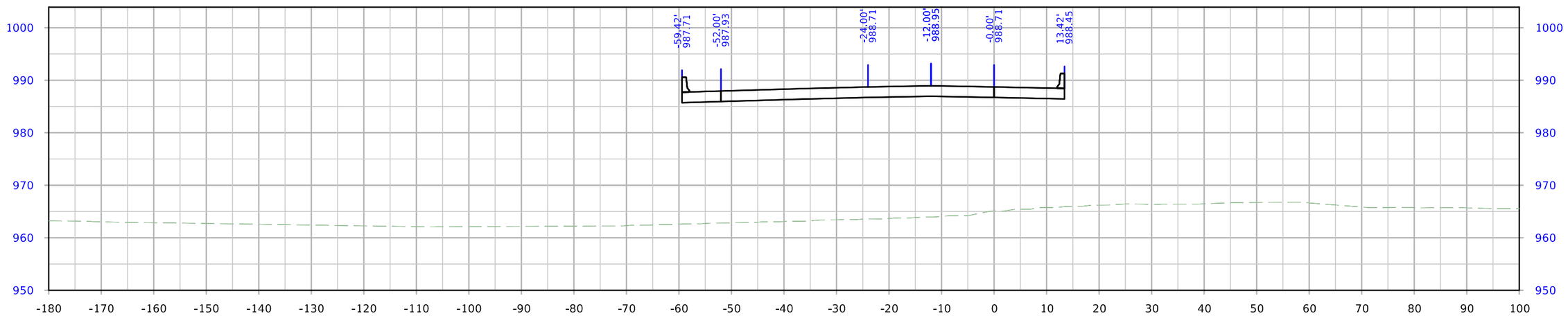


STA. 2331+00.00



STA. 2330+50.00

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.82

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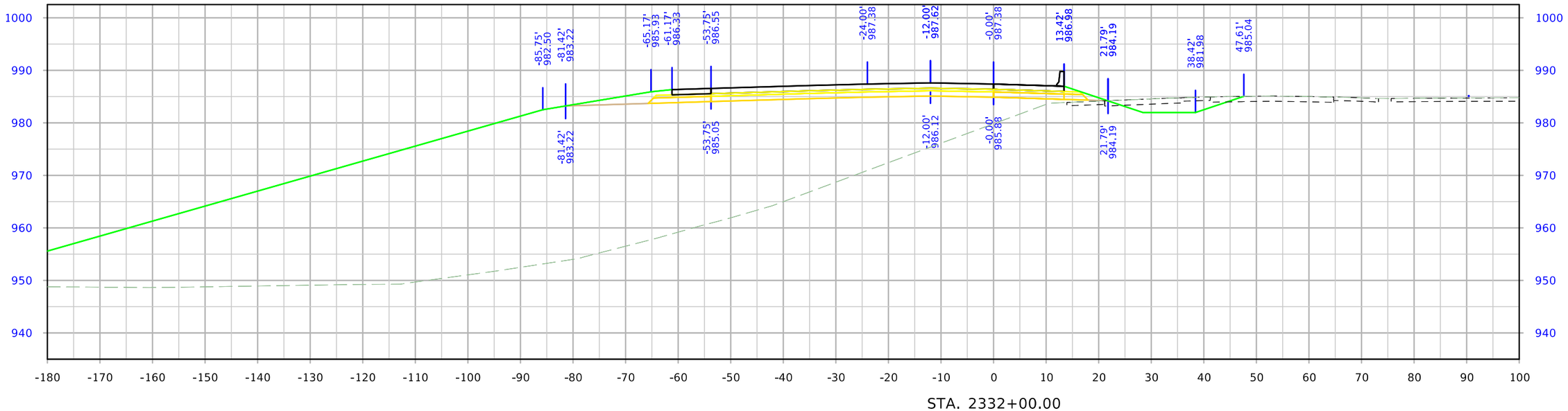

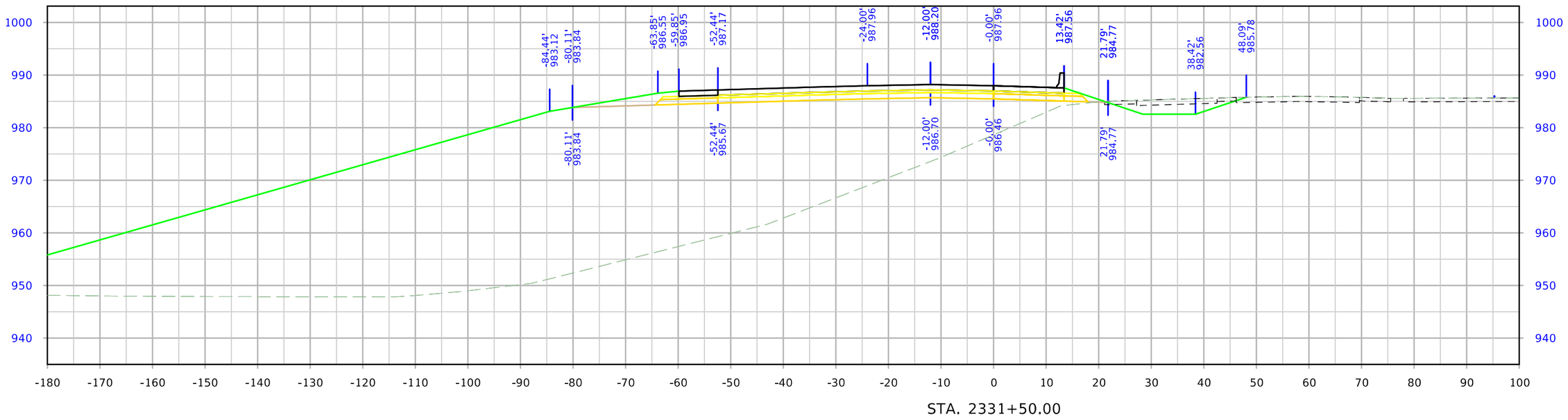

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.83

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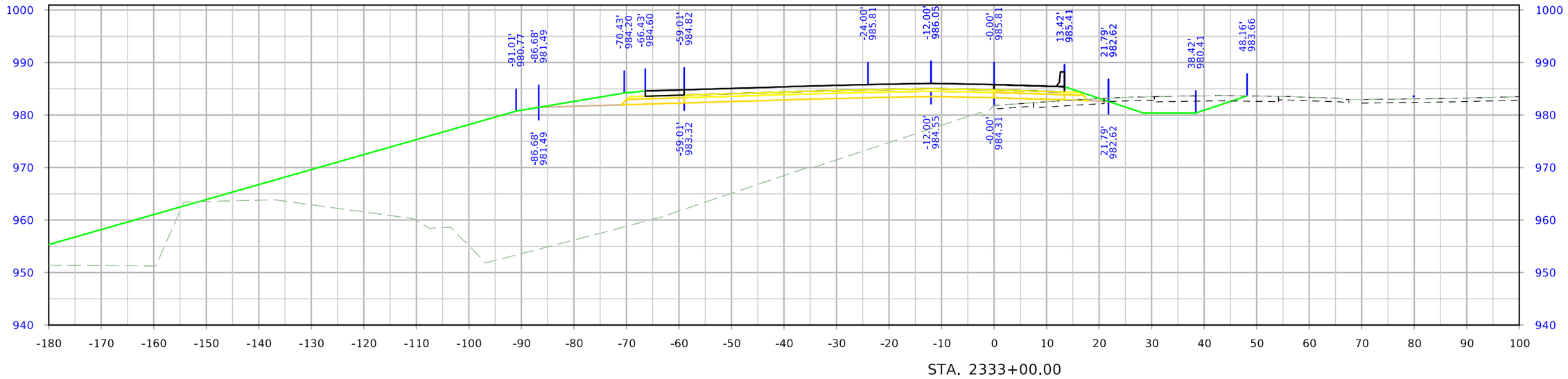

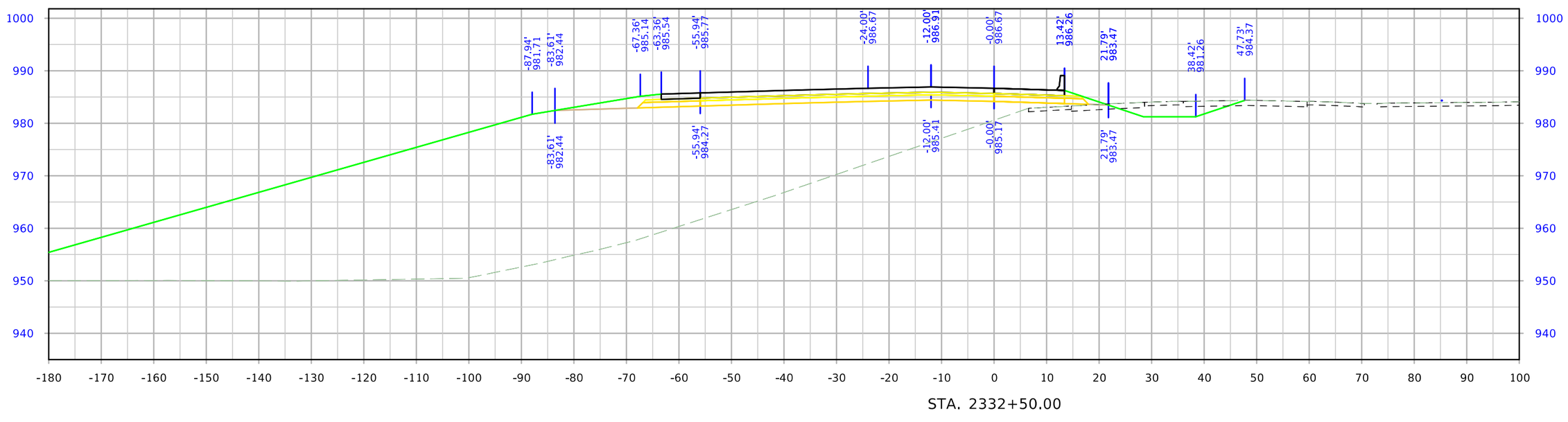

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.84

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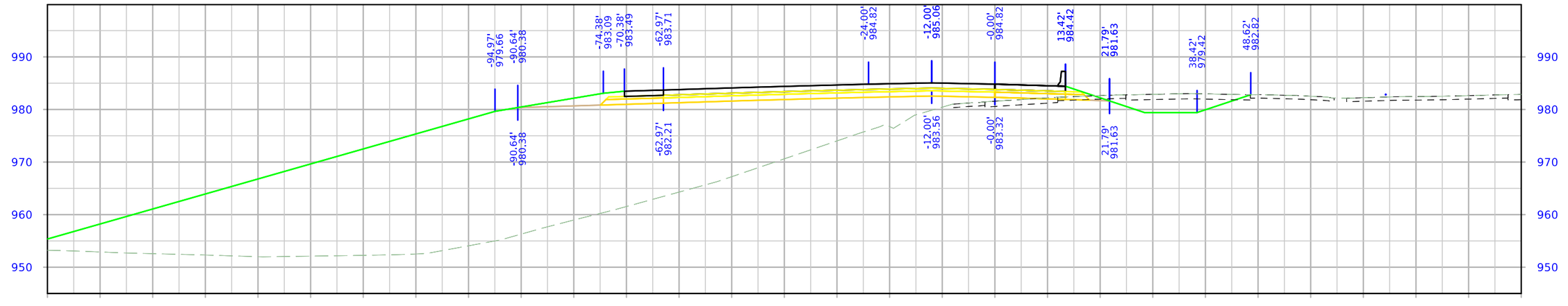
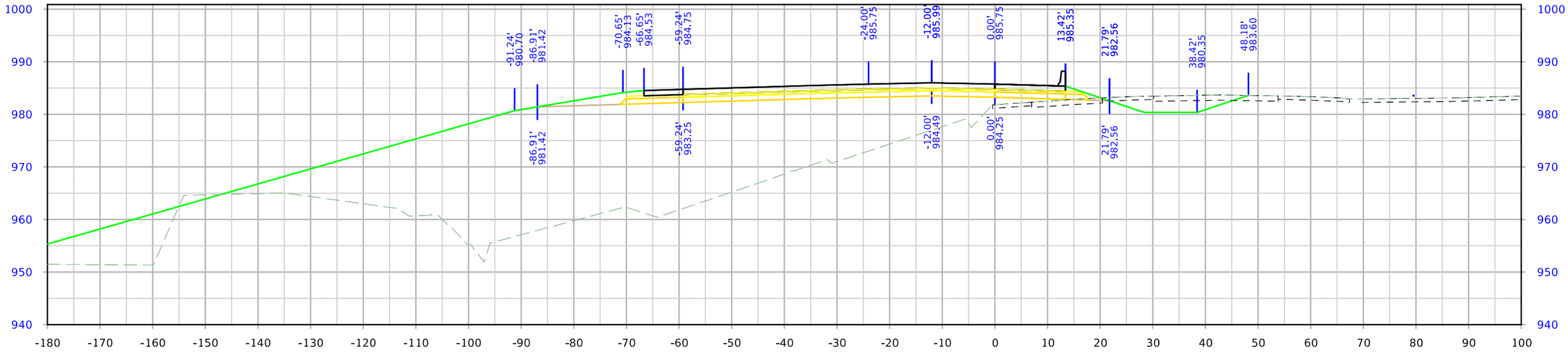


STA. 2333+50.00



STA. 2333+03.14

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.85

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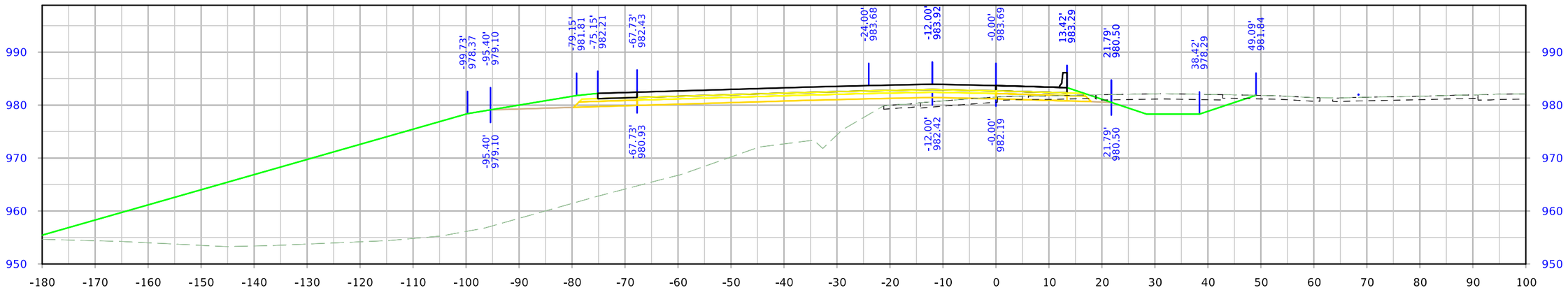

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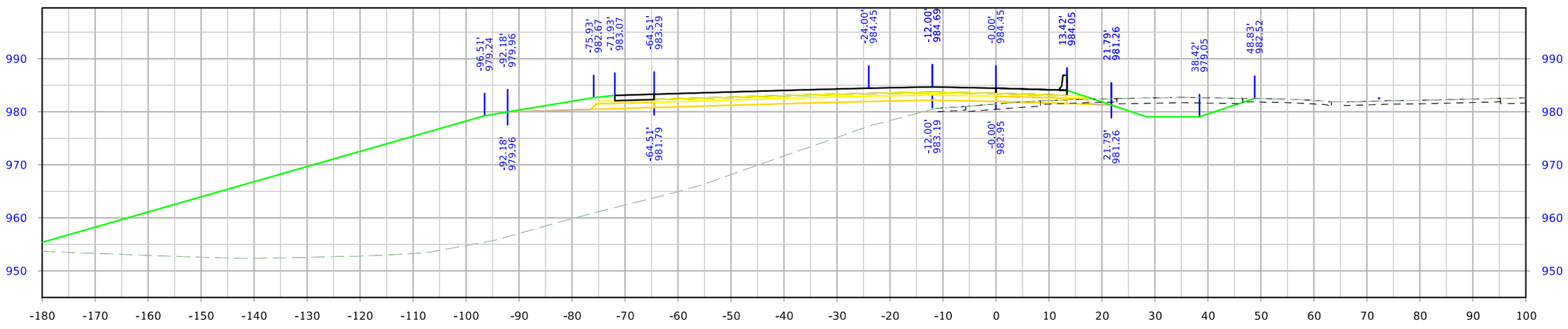

STA. 2333+66.98

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.86

4:25:52 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W04_77035455_Z08.dgn

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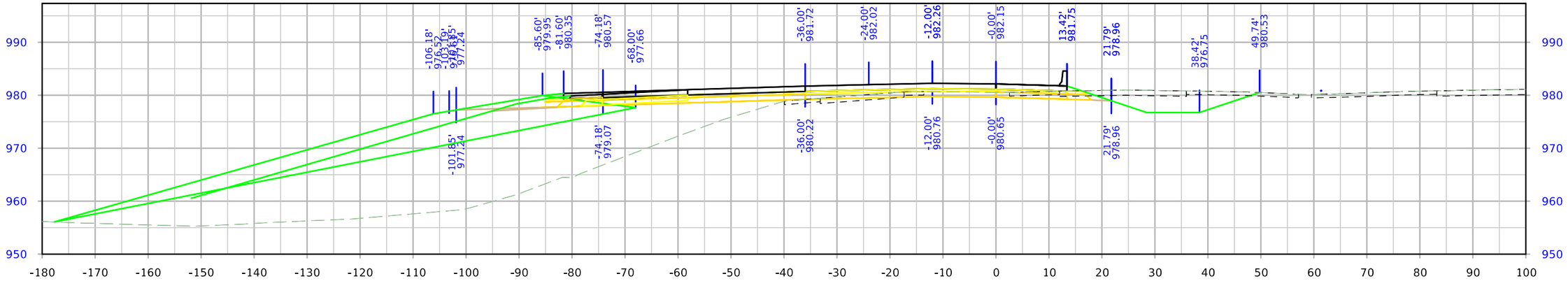
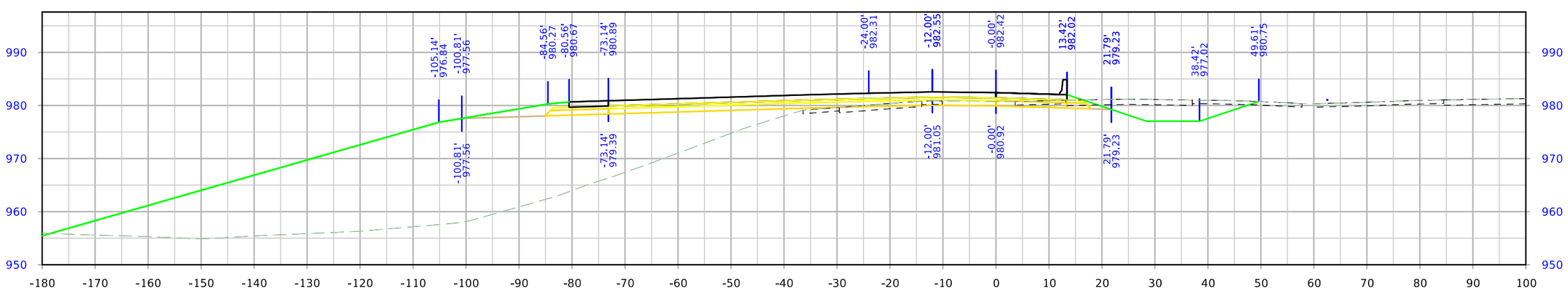


STA. 2334+59.92



STA. 2334+50.00

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.87

4:25:55 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W04_77035455_Z08.dgn

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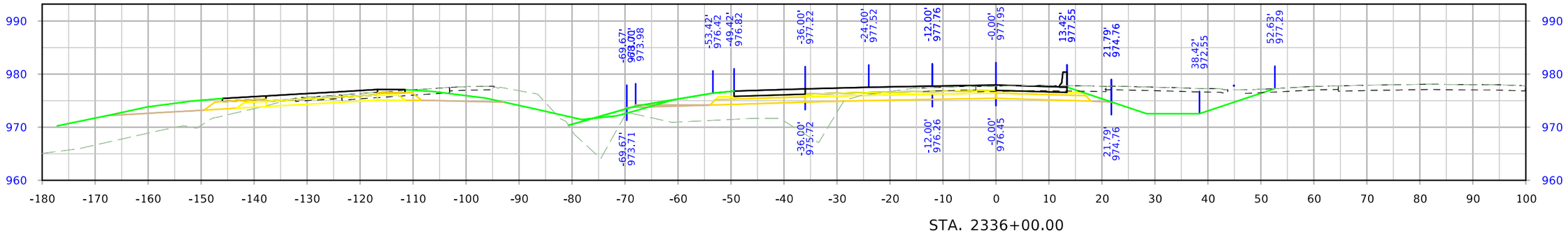

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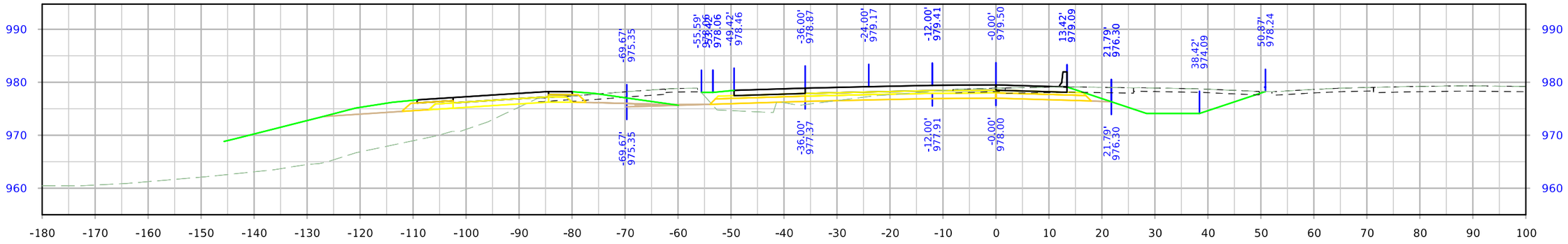
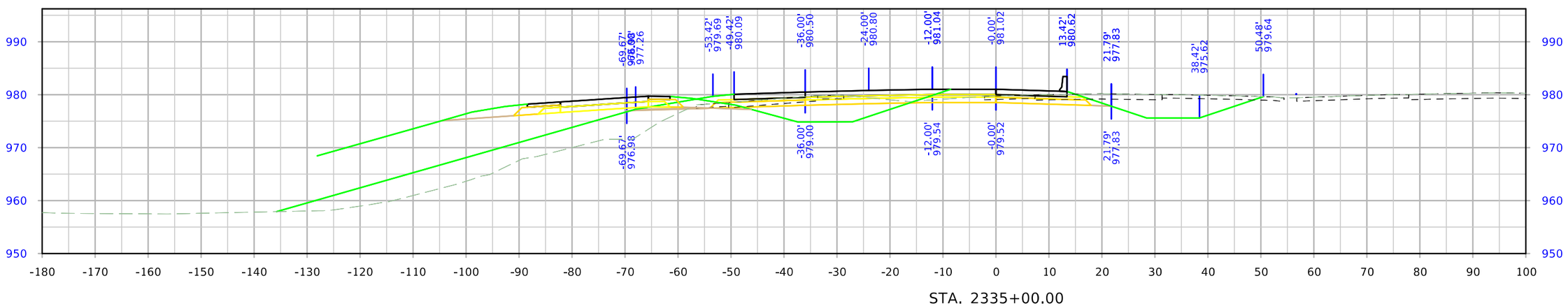


STA. 2335+50.00



STA. 2335+00.00

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.88

4:25:58 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W04_77035455_Z08.dgn

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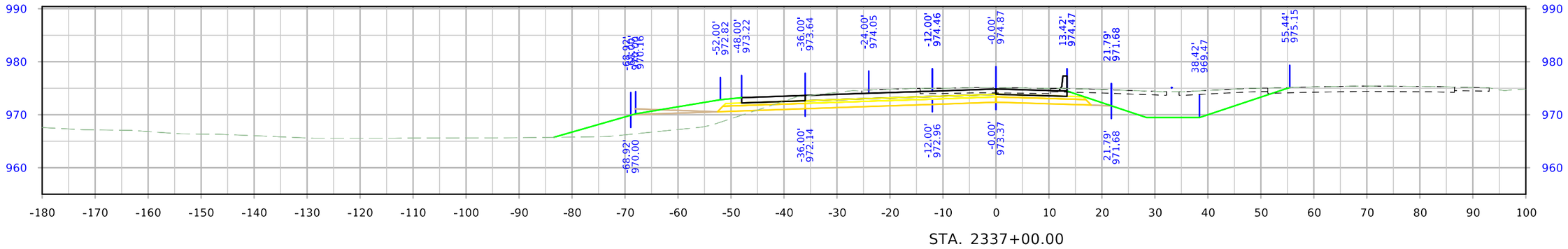
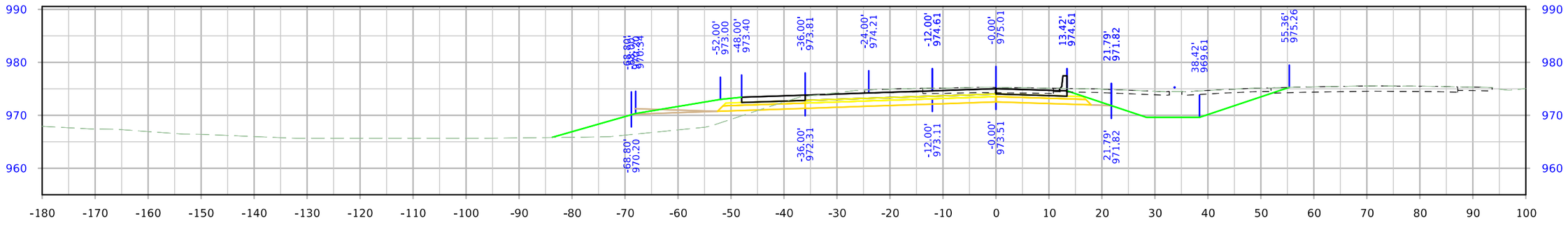
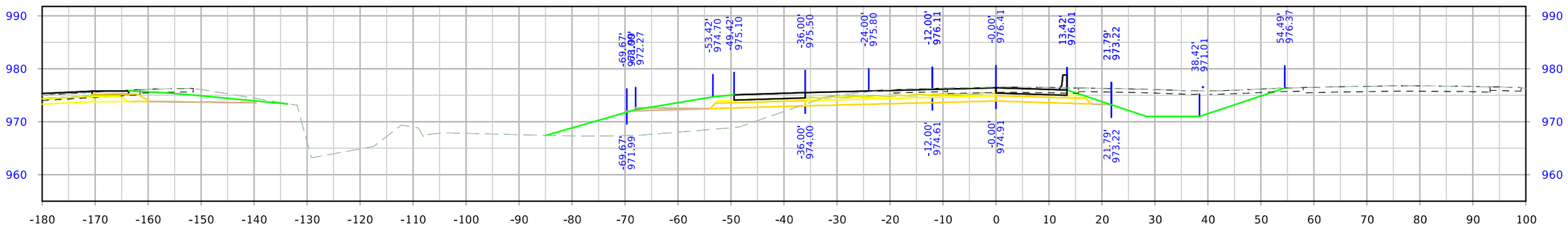


STA. 2337+00.00



STA. 2336+95.47



STA. 2336+50.00

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.89

4:26:01 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W04_77035455_Z08.dgn

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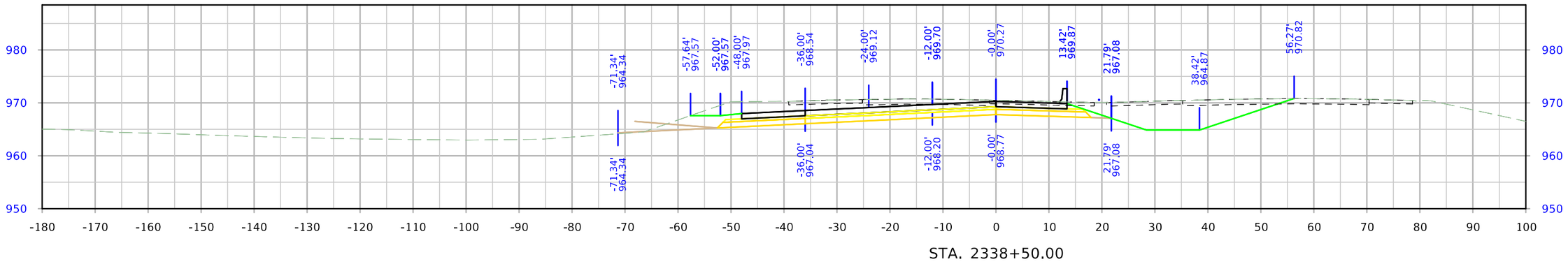
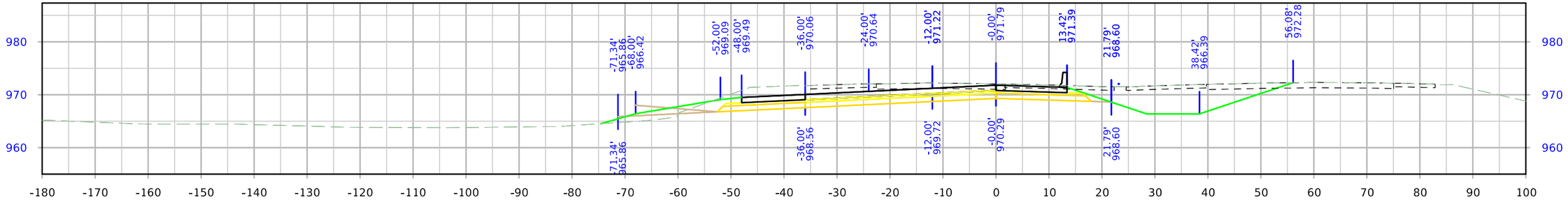
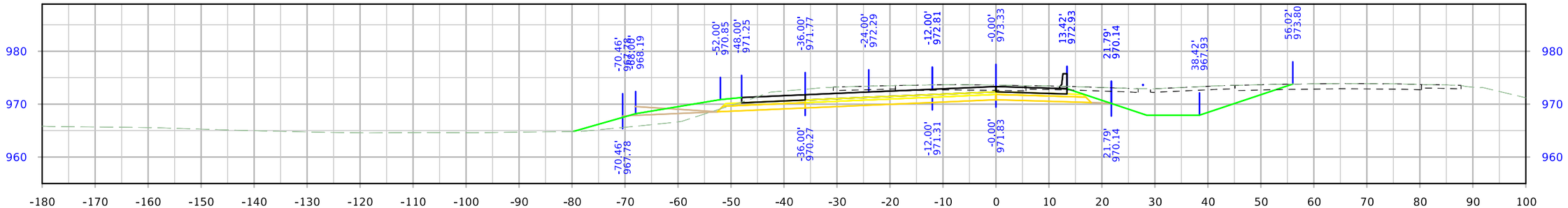


STA. 2338+50.00



STA. 2338+00.00

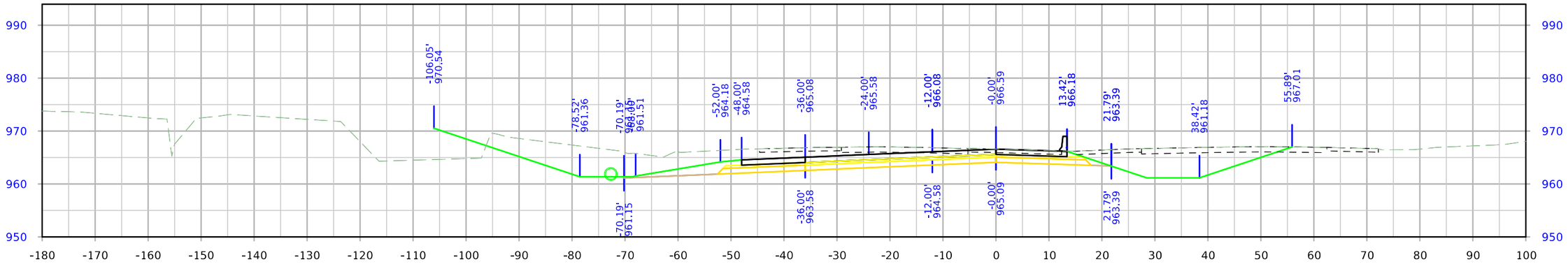


STA. 2337+50.00

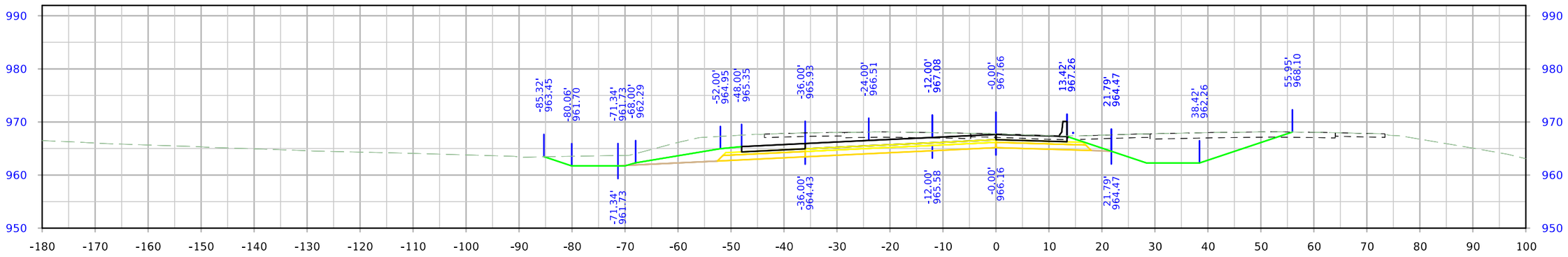
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.90

4:26:05 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W04_77035455_Z08.dgn

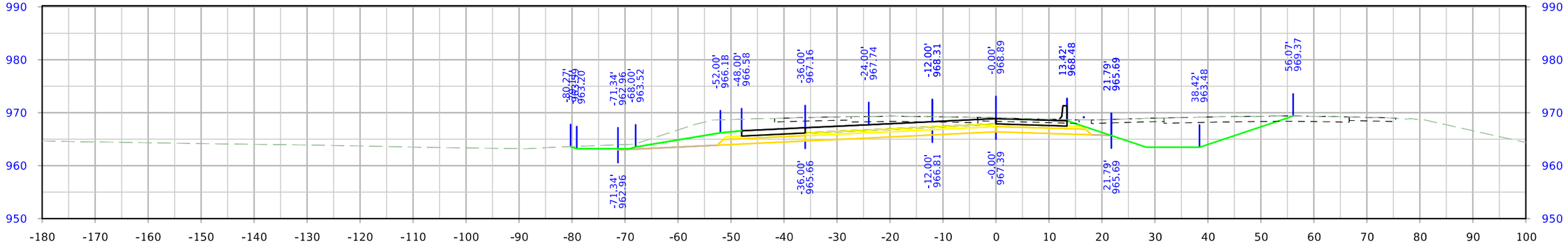
Mainline I-235 Left



STA. 2340+00.00



STA. 2339+50.00



STA. 2339+00.00

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.91

4:26:08 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W04_77035455_Z08.dgn

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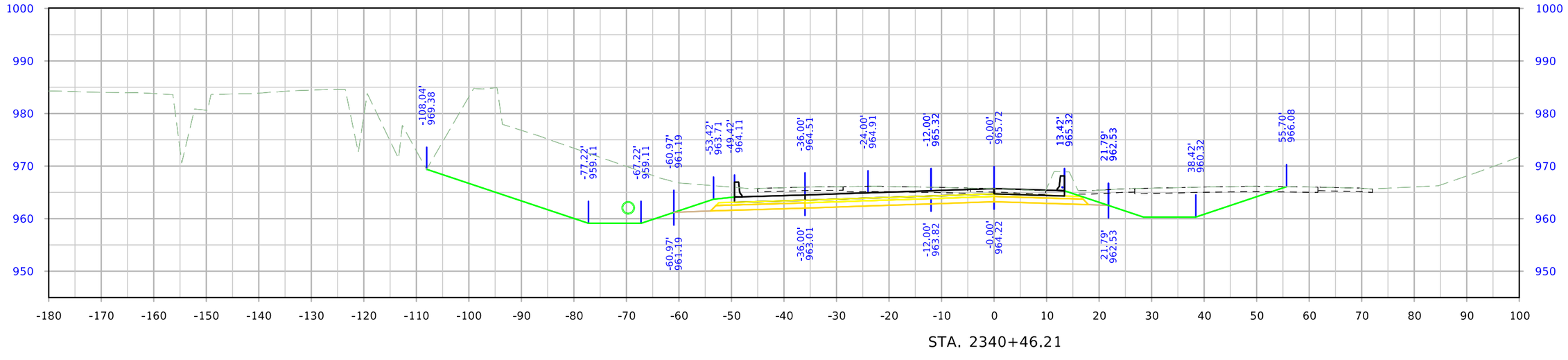
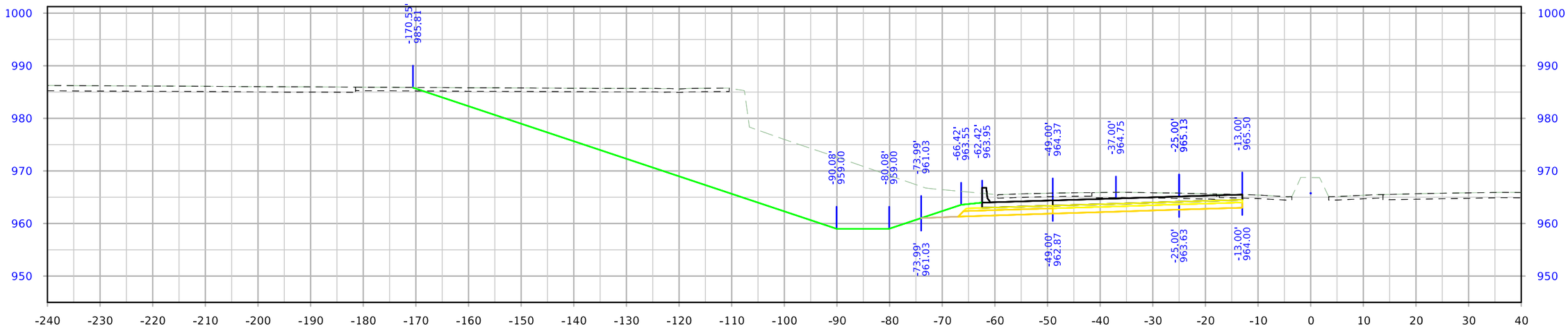


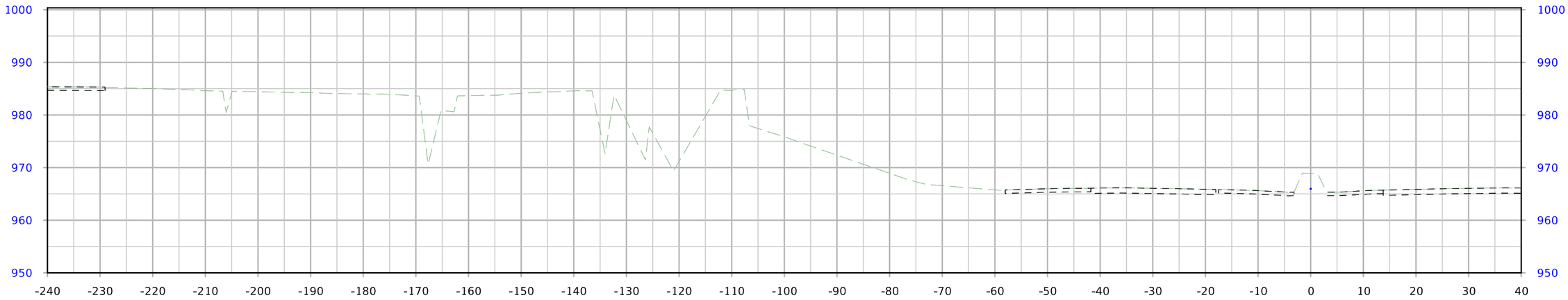
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.92

4:26:09 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W04_77035455_Z08.dgn

Mainline I-235 Left



STA. 1340+50.00

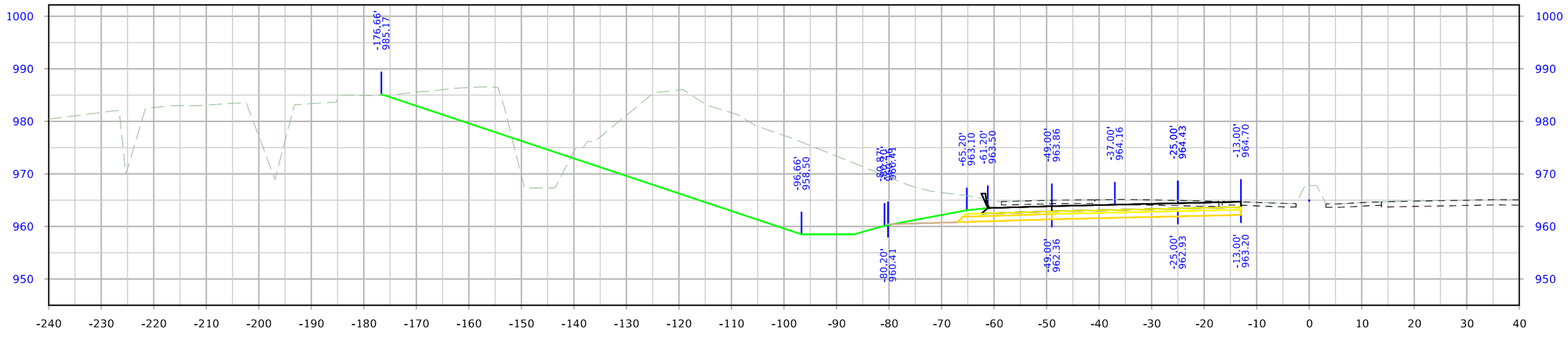


STA. 1340+37.65

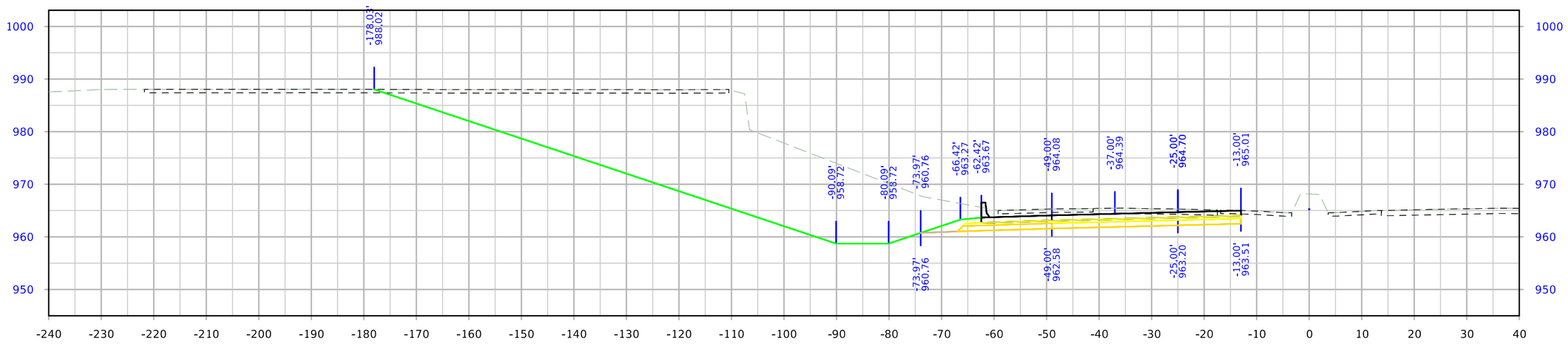
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.93	

4:26:22 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W05_77035455_Z08.dgn

Mainline I-235 Left



STA. 1341+00.00

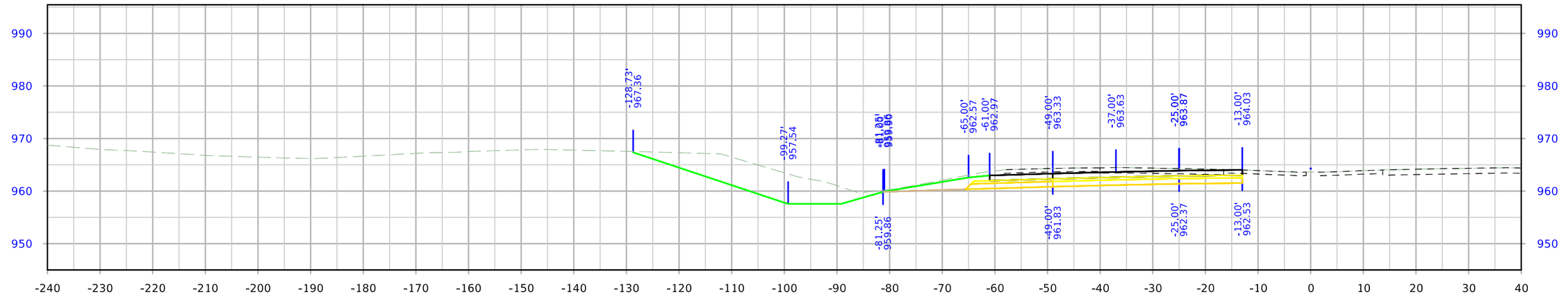


STA. 1340+79.44

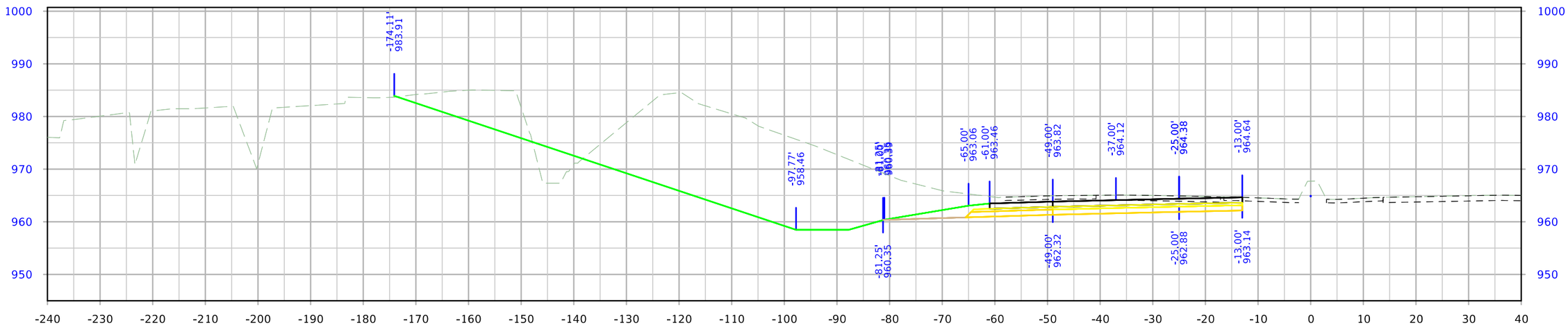
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.94

4:26:24 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W05_77035455_Z08.dgn

Mainline I-235 Left



STA. 1341+50.00

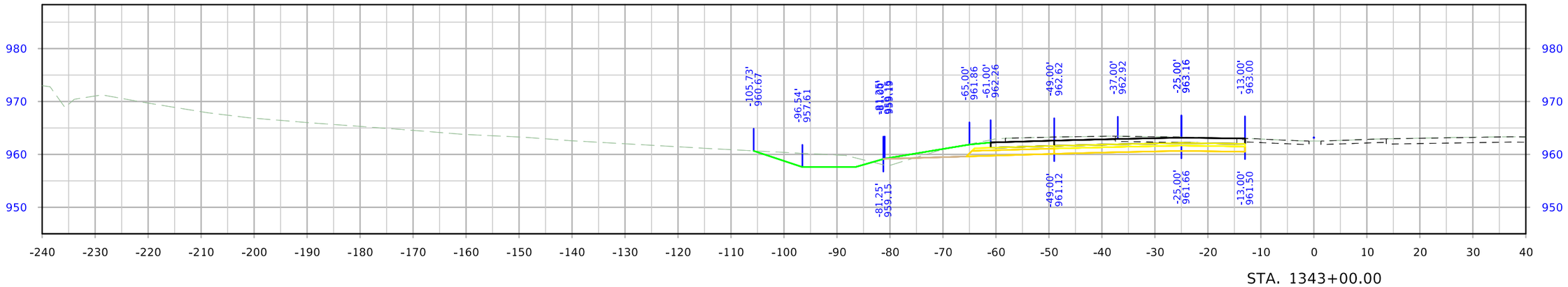


STA. 1341+03.79

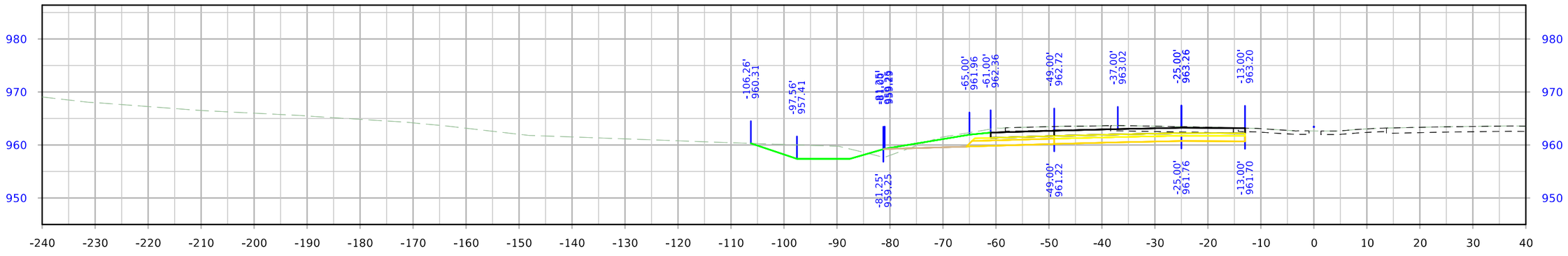
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.95

4:26:26 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W05_77035455_Z08.dgn

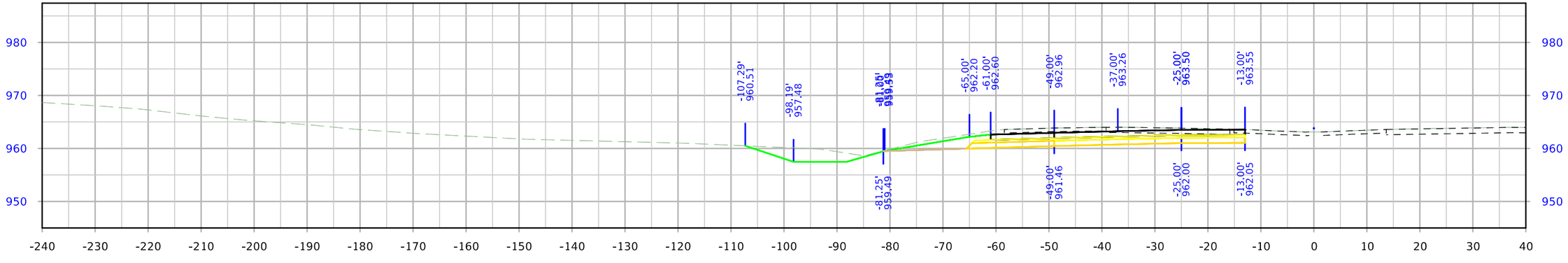
Mainline I-235 Left



STA. 1343+00.00



STA. 1342+50.00

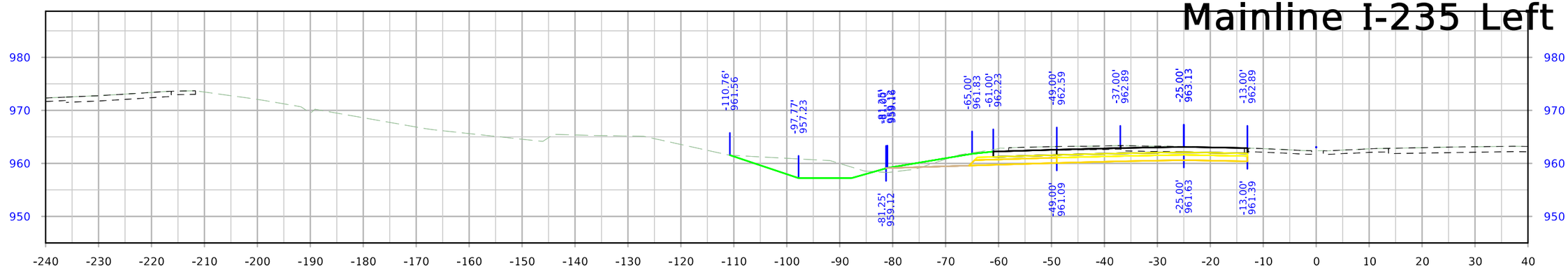


STA. 1342+00.00

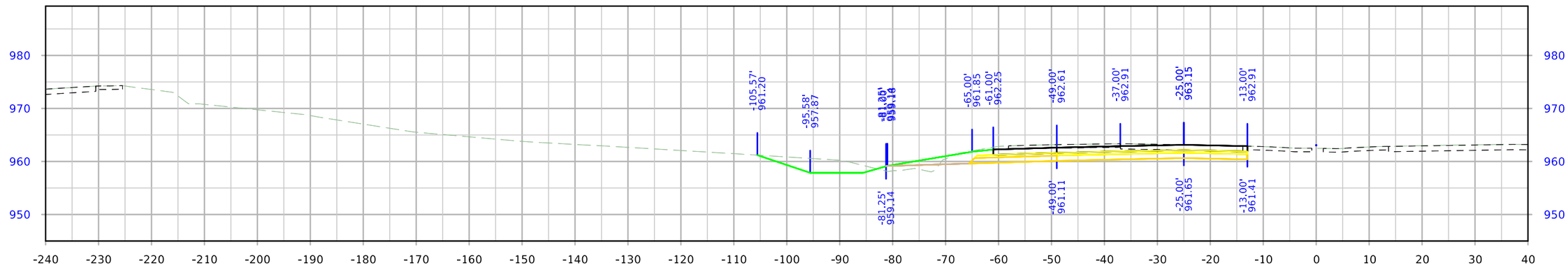
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.96	

4:26:28 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W05_77035455_Z08.dgn

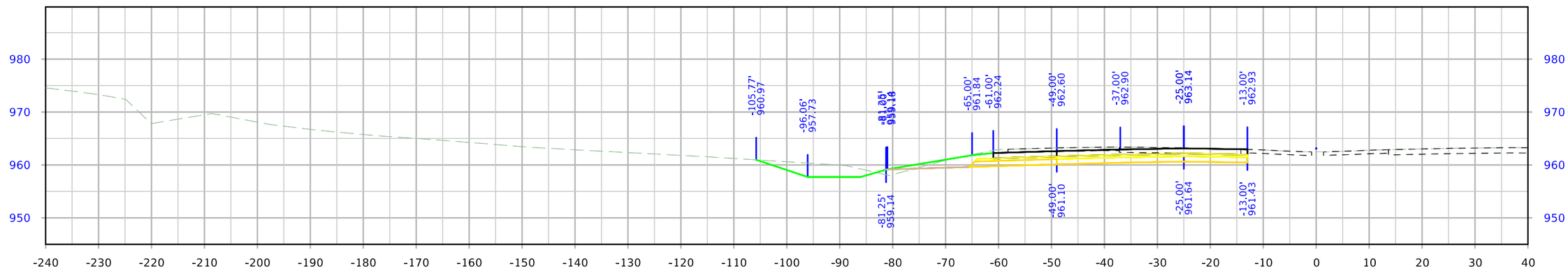
Mainline I-235 Left



STA. 1343+73.65



STA. 1343+50.00

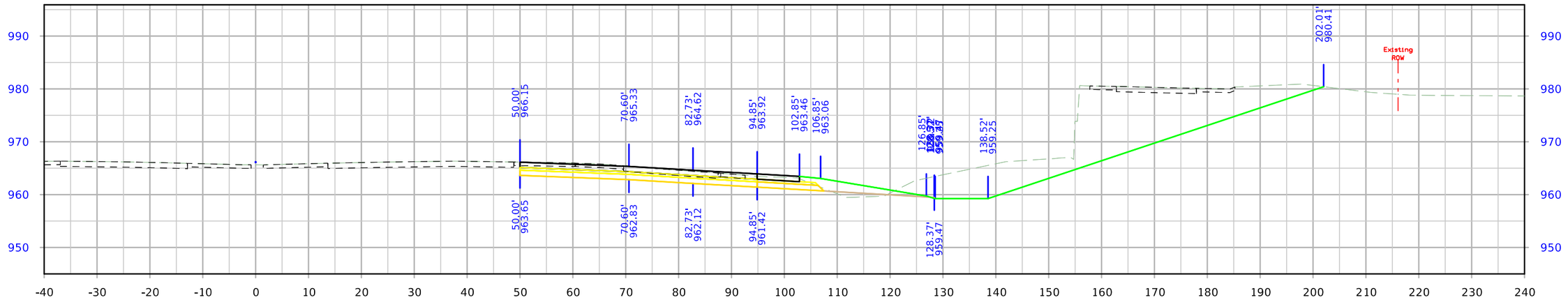


STA. 1343+23.26

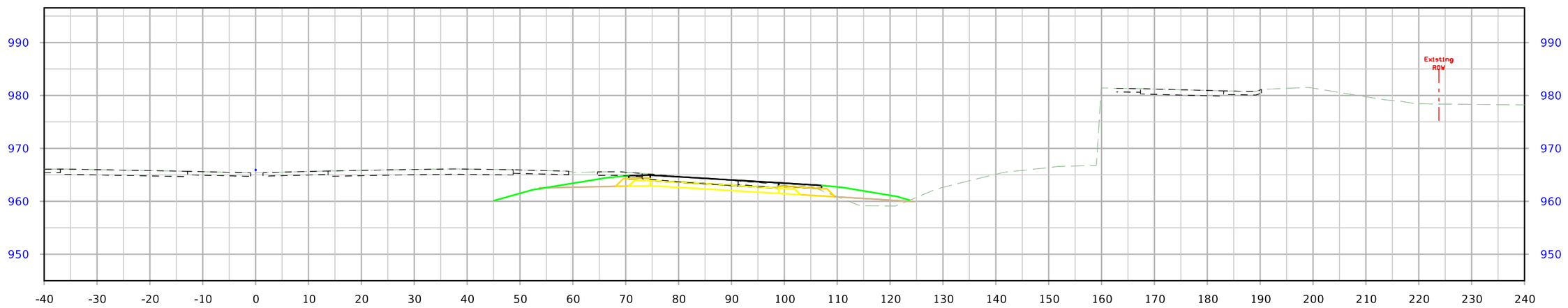
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.97

4:26:31 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W05_77035455_Z08.dgn

Mainline I-235 Right



STA. 1348+00.00

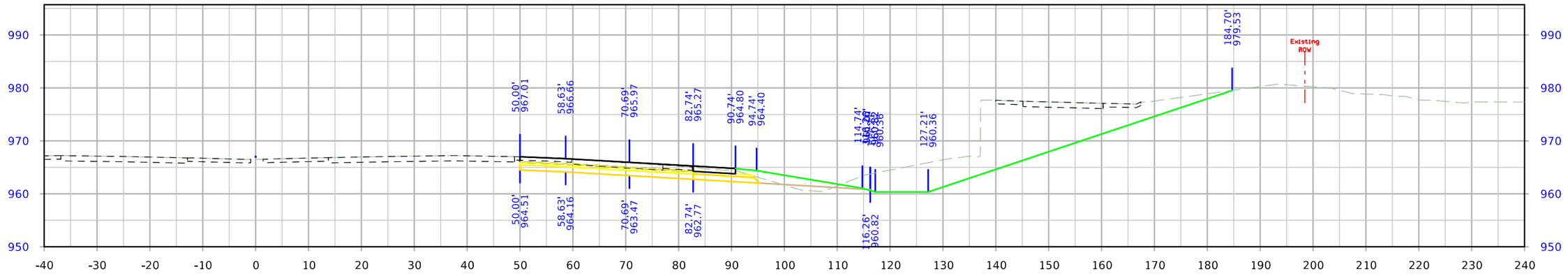


STA. 1347+73.62

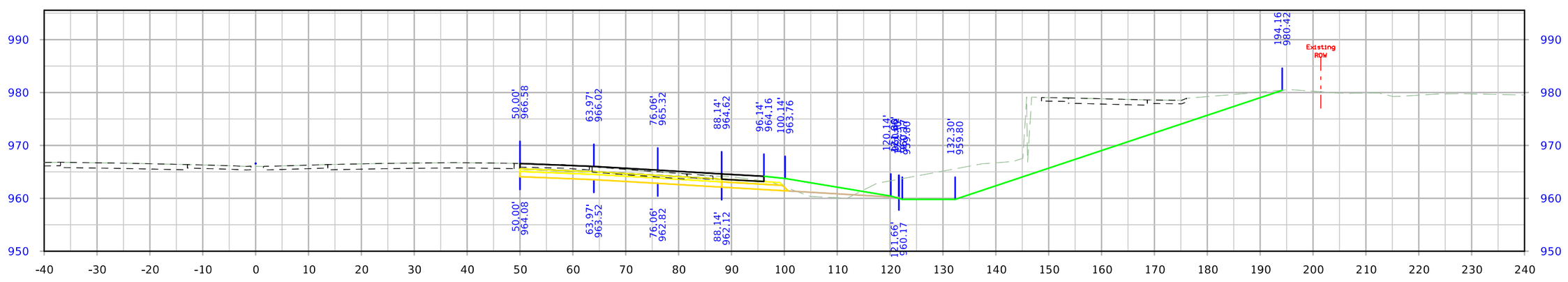
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.98	

4:39:37 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W06_77035455_Z08.dgn

Mainline I-235 Right



STA. 1349+00.00

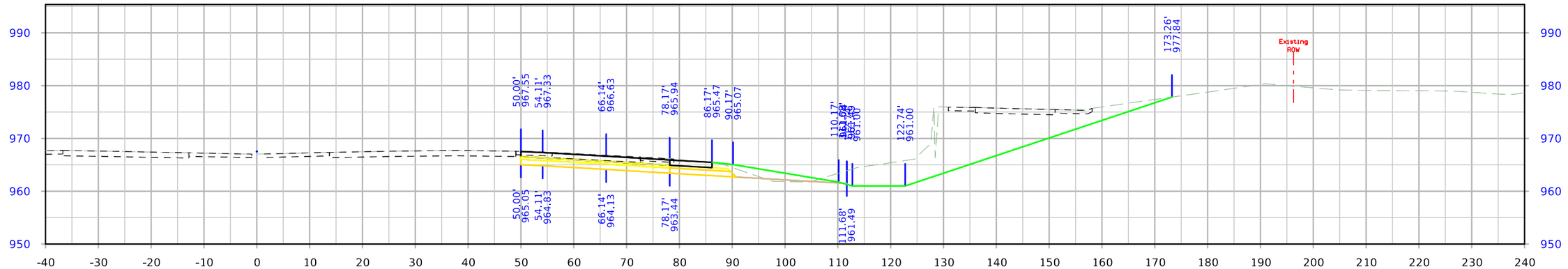


STA. 1348+50.00

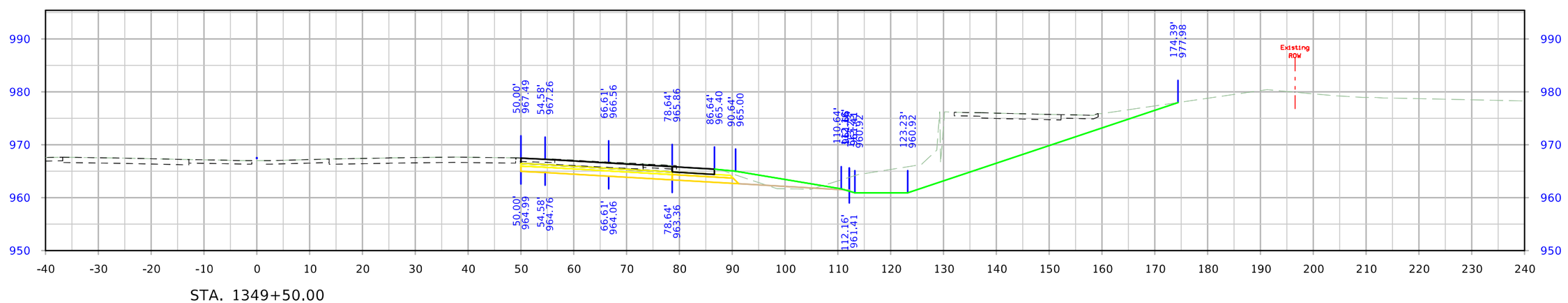
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.99

4:39:39 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W06_77035455_Z08.dgn

Mainline I-235 Right



STA. 1349+57.11

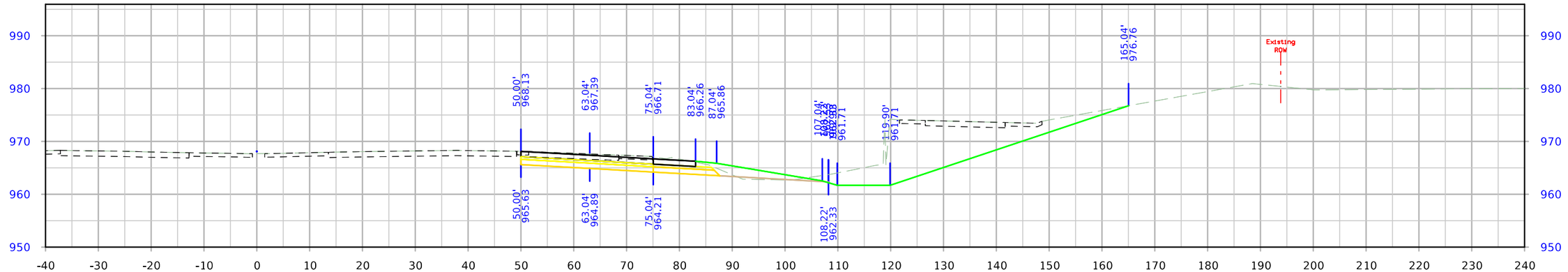


STA. 1349+50.00

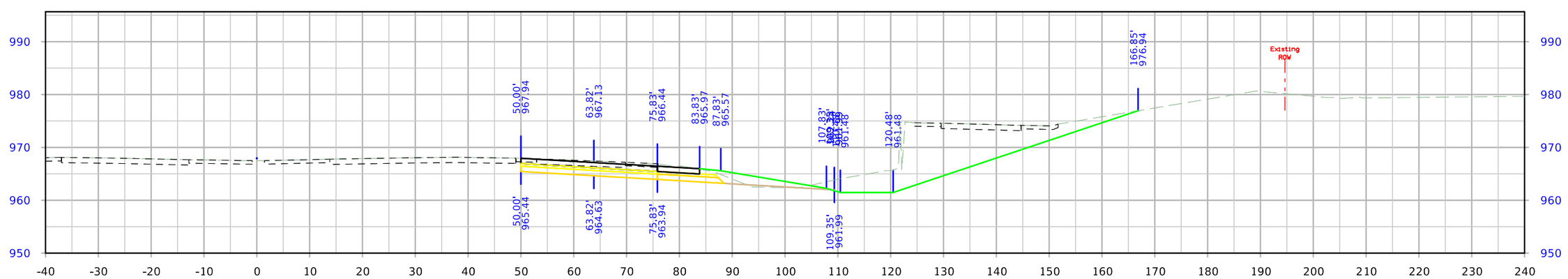
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.100

4:39:41 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W06_77035455_Z08.dgn

Mainline I-235 Right



STA. 1350+20.67

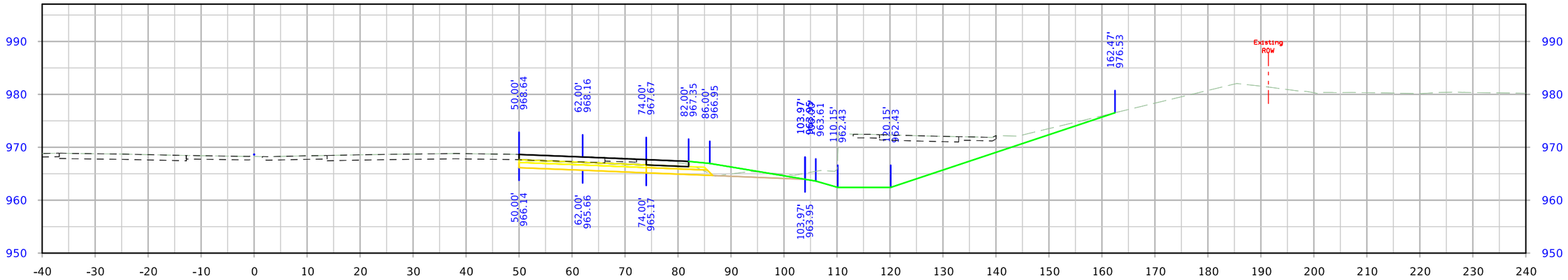


STA. 1350+00.00

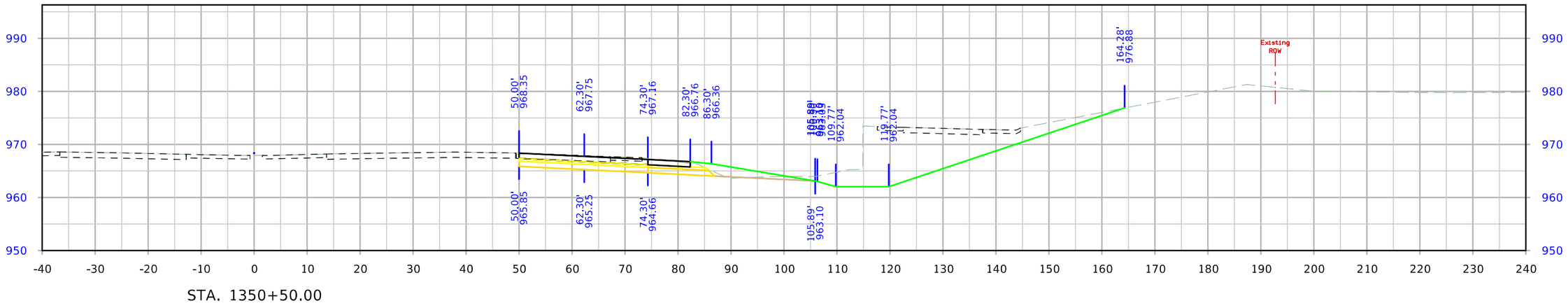
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.101

4:39:42 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W06_77035455_Z08.dgn

Mainline I-235 Right



STA. 1350+84.42

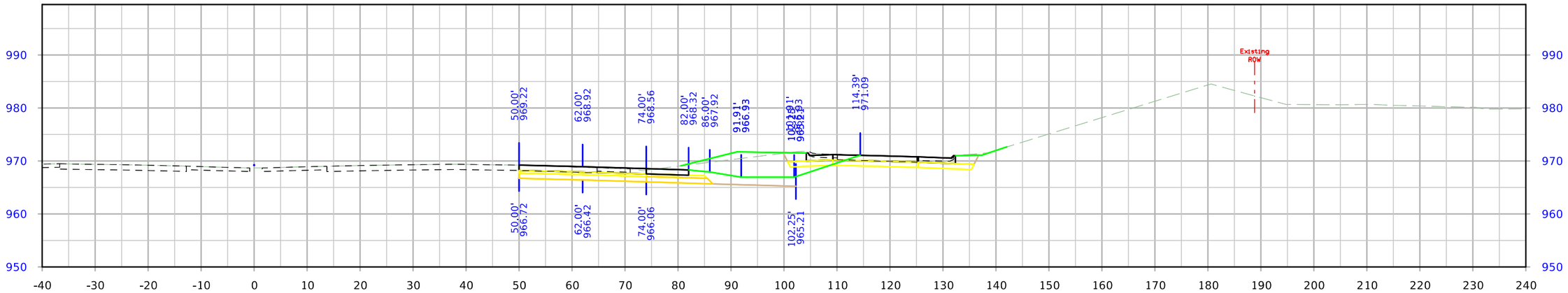


STA. 1350+50.00

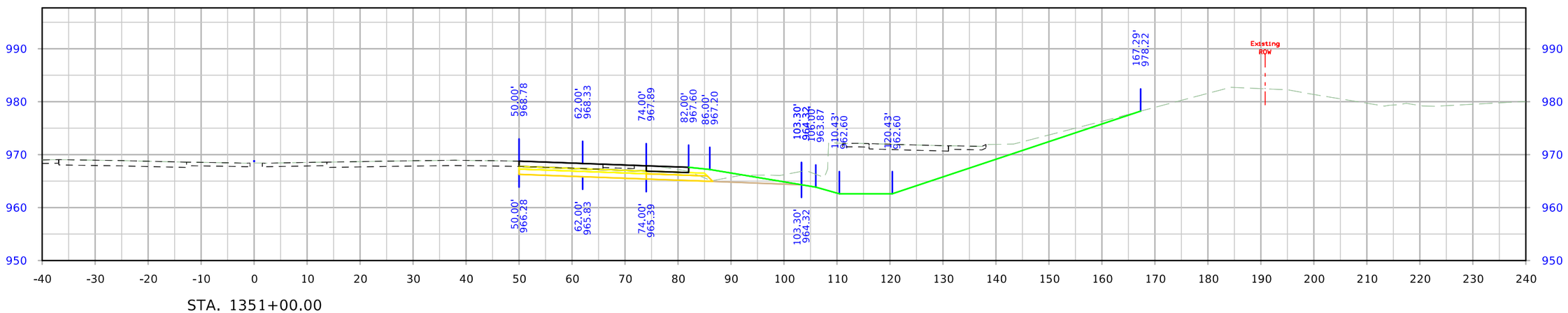
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.102

4:39:44 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W06_77035455_Z08.dgn

Mainline I-235 Right



STA. 1351+50.00

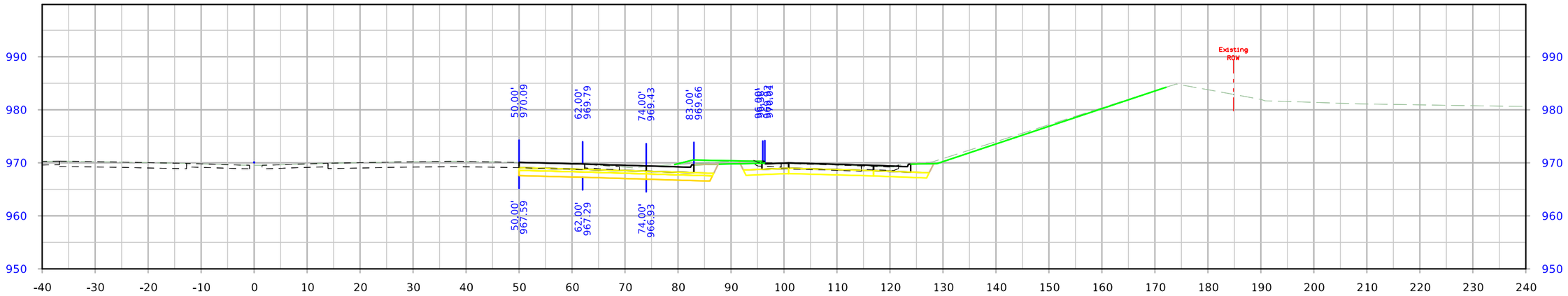


STA. 1351+00.00

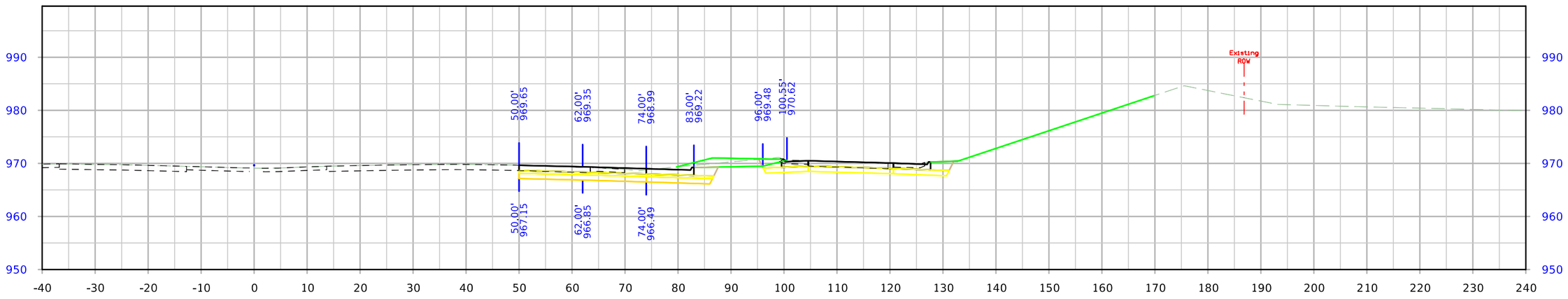
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.103

4:39:46 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W06_77035455_Z08.dgn

Mainline I-235 Right



STA. 1352+50.00

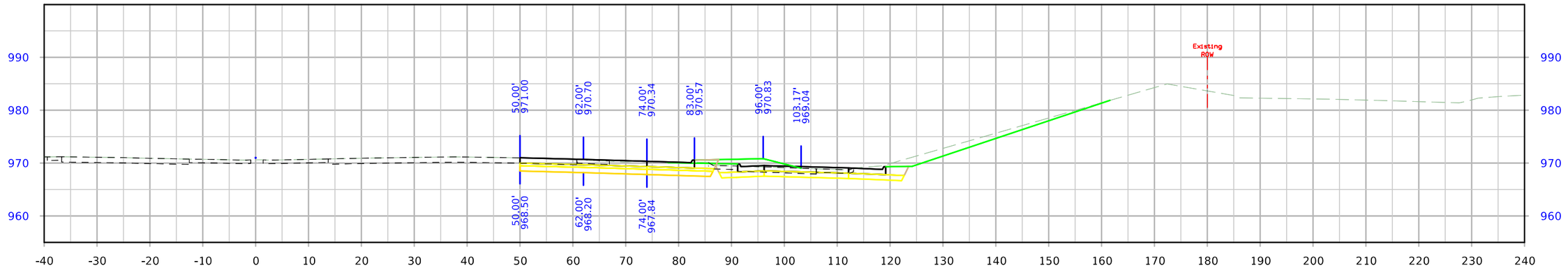


STA. 1352+00.00

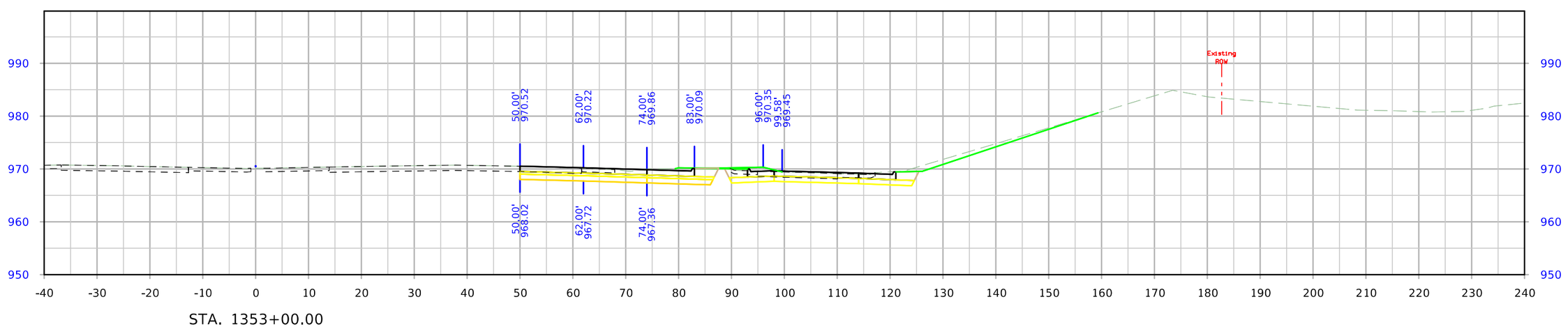
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.104

4:39:48 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W06_77035455_Z08.dgn

Mainline I-235 Right



STA. 1353+50.00

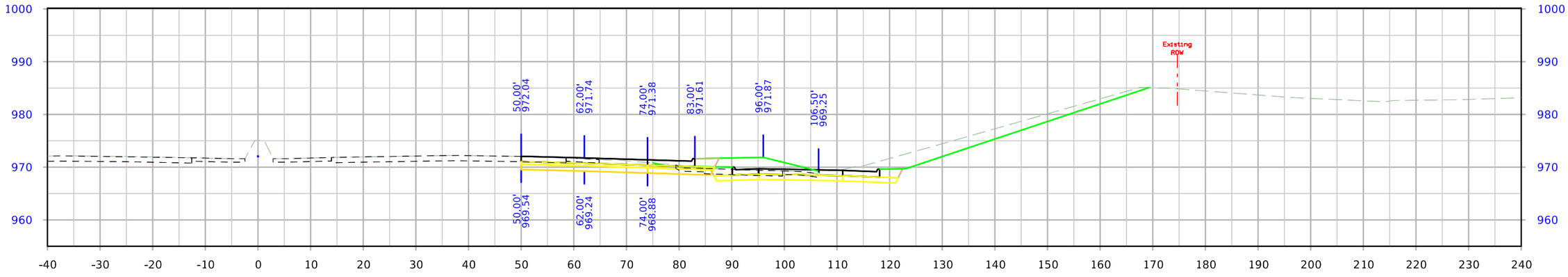


STA. 1353+00.00

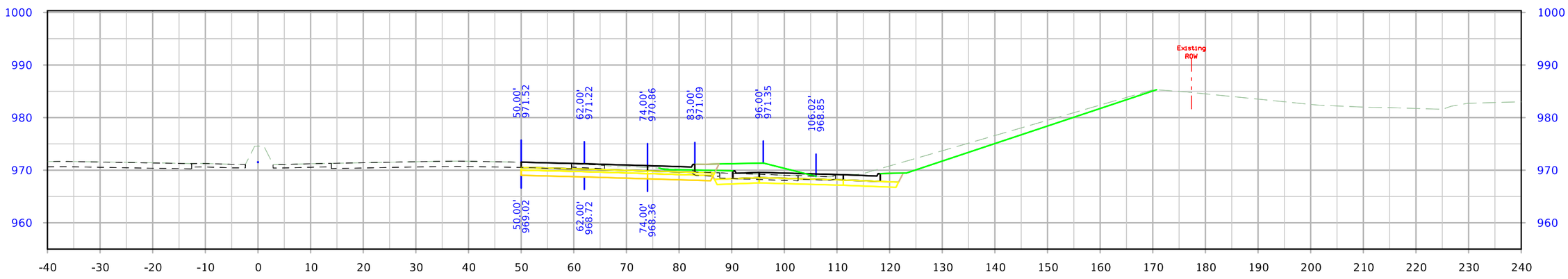
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.105

4:39:50 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W06_77035455_Z08.dgn

Mainline I-235 Right



STA. 1354+50.00

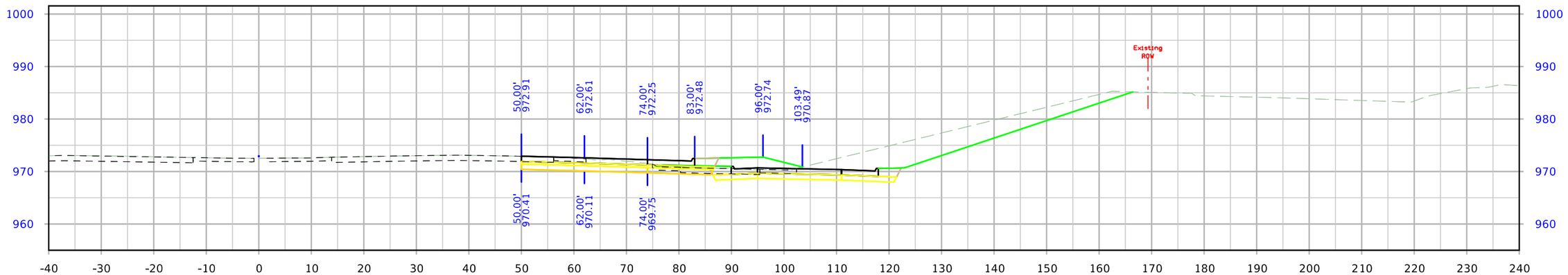


STA. 1354+00.00

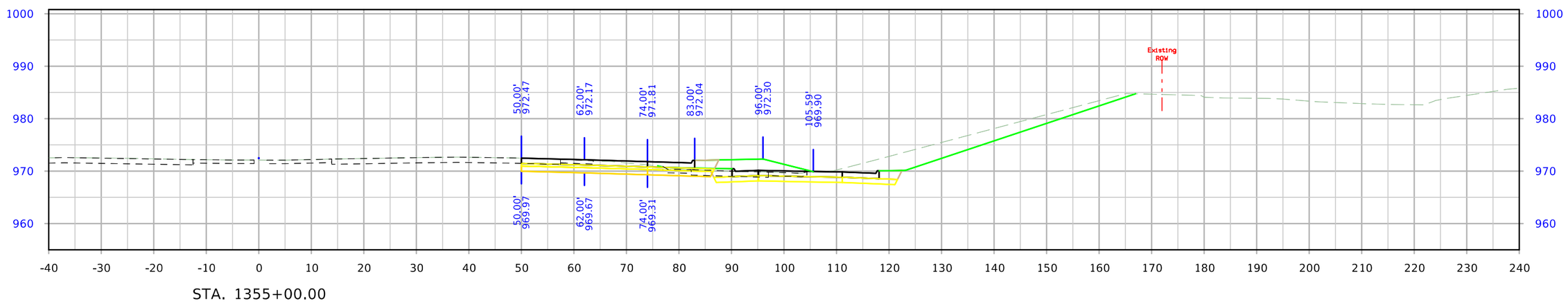
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.106

4:39:51 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W06_77035455_Z08.dgn

Mainline I-235 Right



STA. 1355+50.00

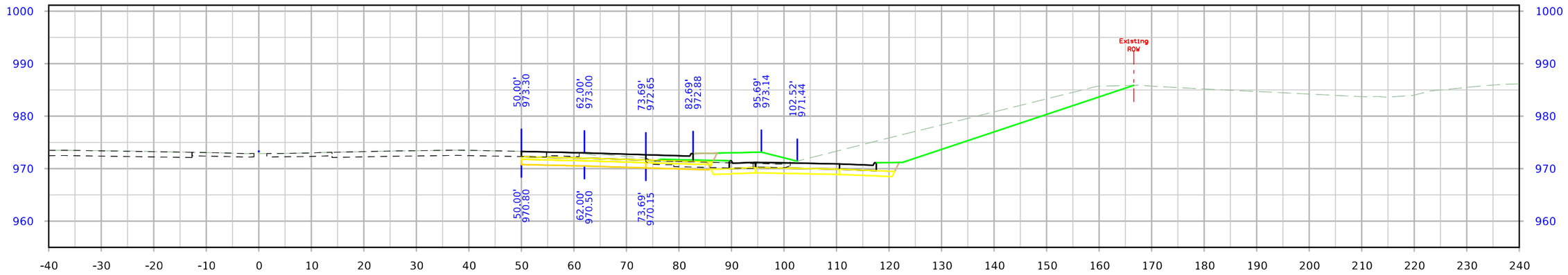


STA. 1355+00.00

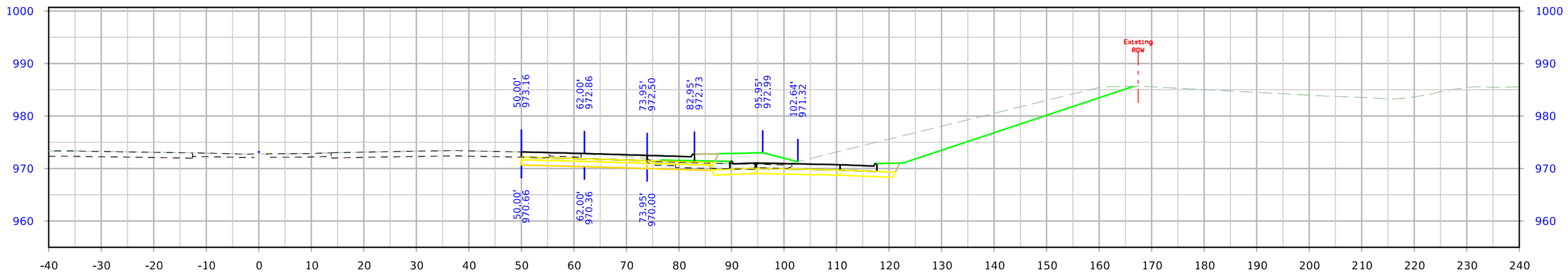
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.107

4:39:53 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W06_77035455_Z08.dgn

Mainline I-235 Right



STA. 1356+00.00

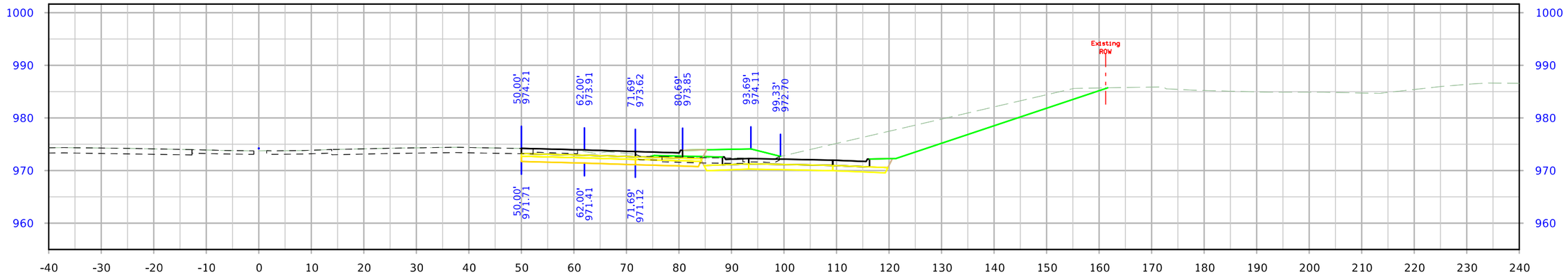


STA. 1355+84.39

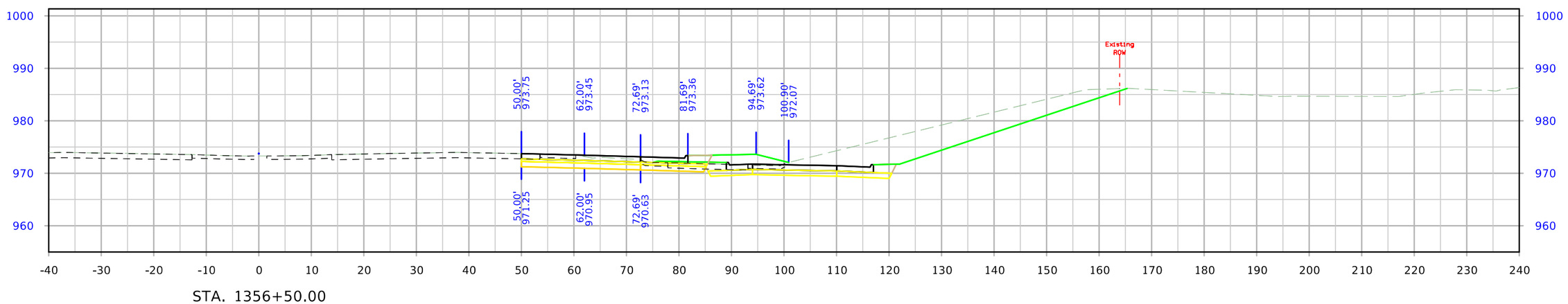
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.108

4:39:55 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W06_77035455_Z08.dgn

Mainline I-235 Right



STA. 1357+00.00

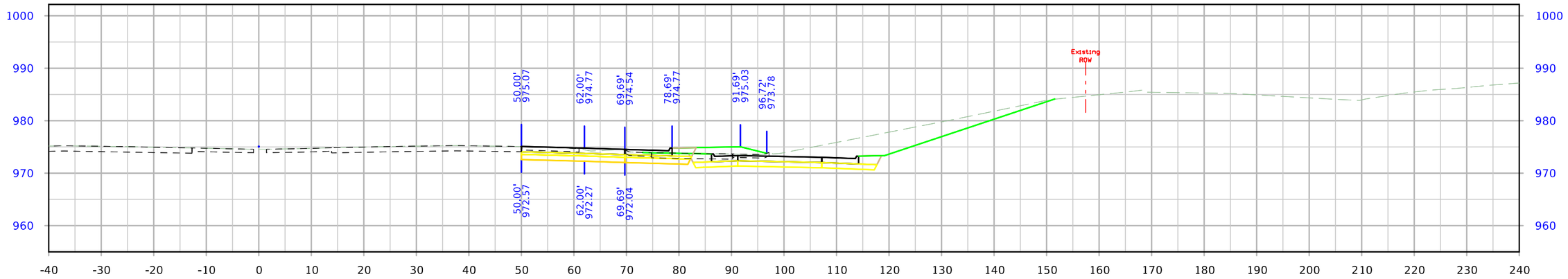


STA. 1356+50.00

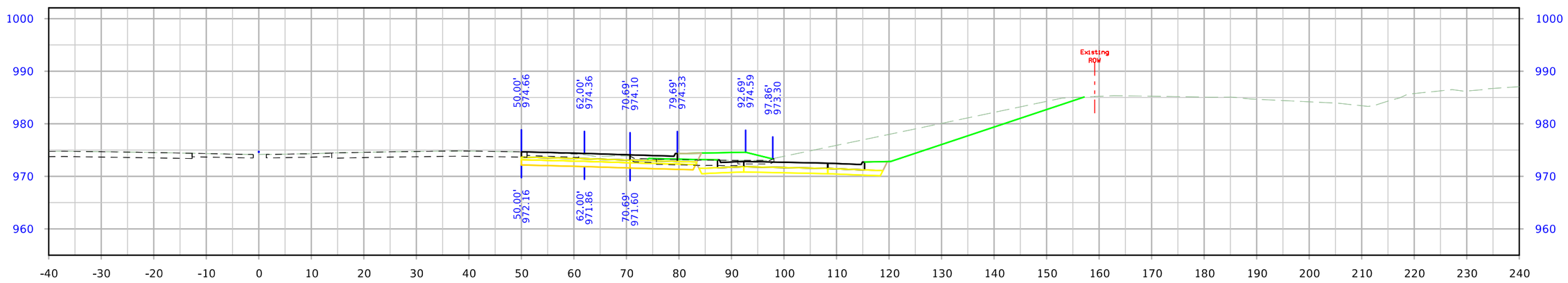
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.109

4:39:57 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W06_77035455_Z08.dgn

Mainline I-235 Right



STA. 1358+00.00

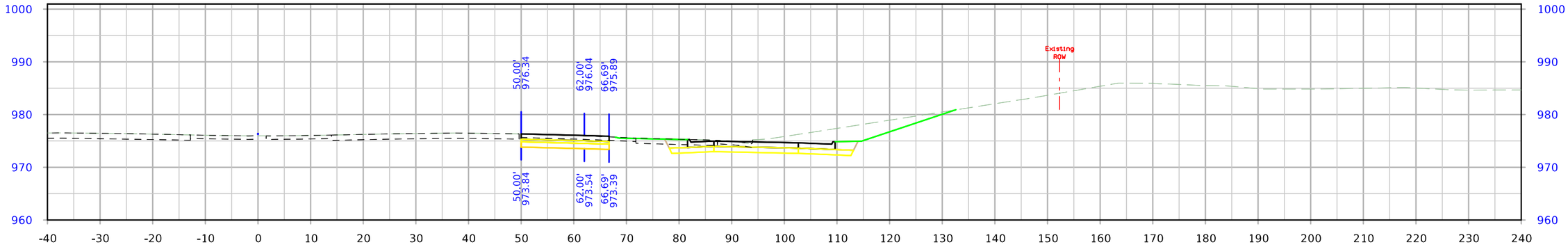


STA. 1357+50.00

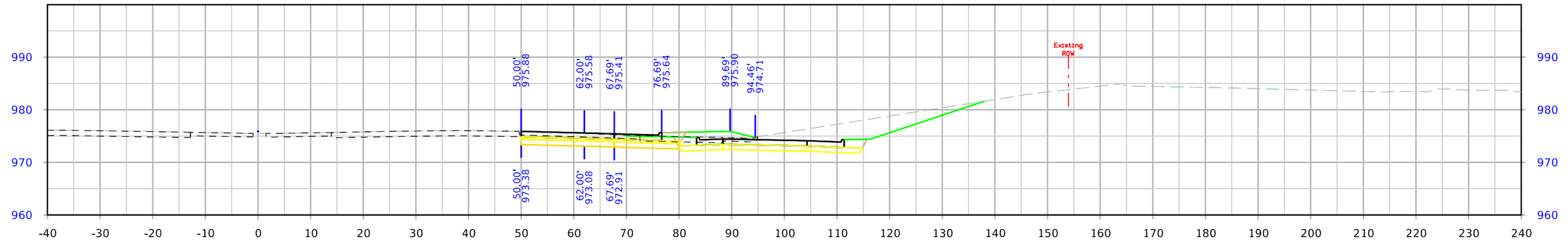
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.110

4:39:58 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W06_77035455_Z08.dgn

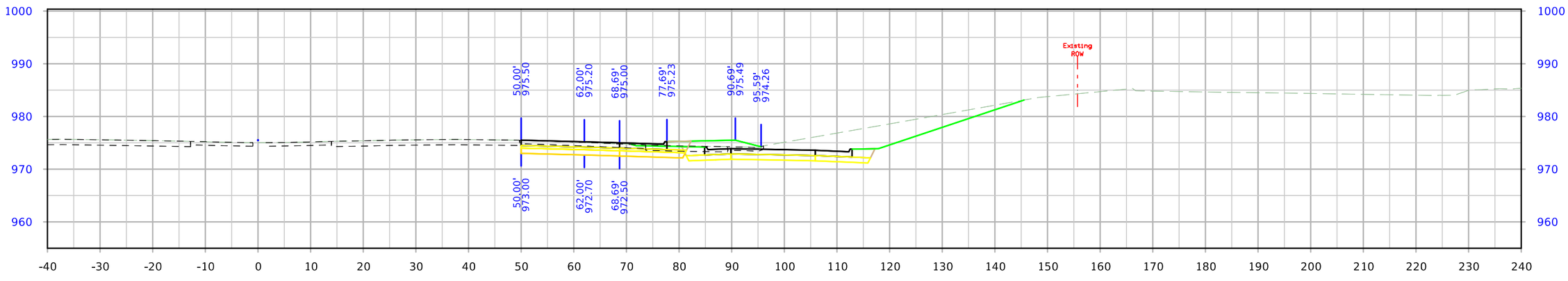
Mainline I-235 Right



STA. 1359+50.00



STA. 1359+00.00

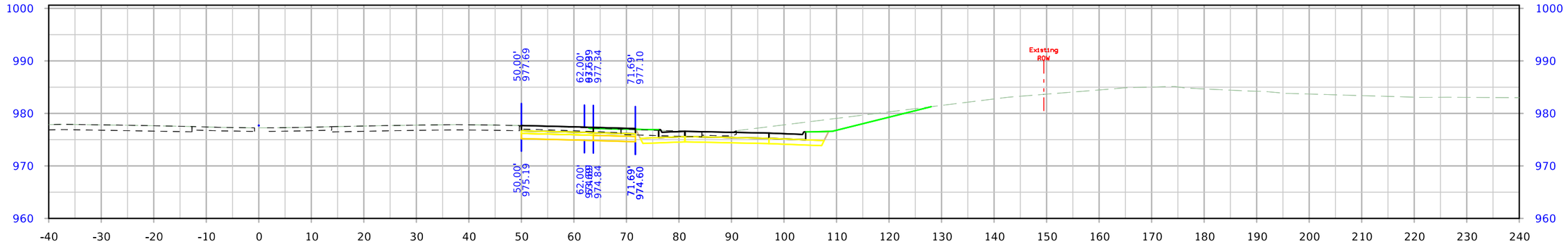


STA. 1358+50.00

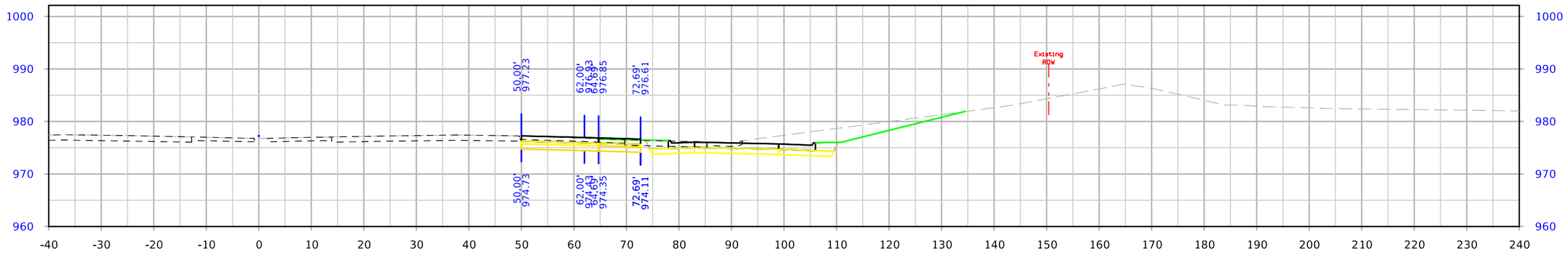
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.111

4:40:00 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W06_77035455_Z08.dgn

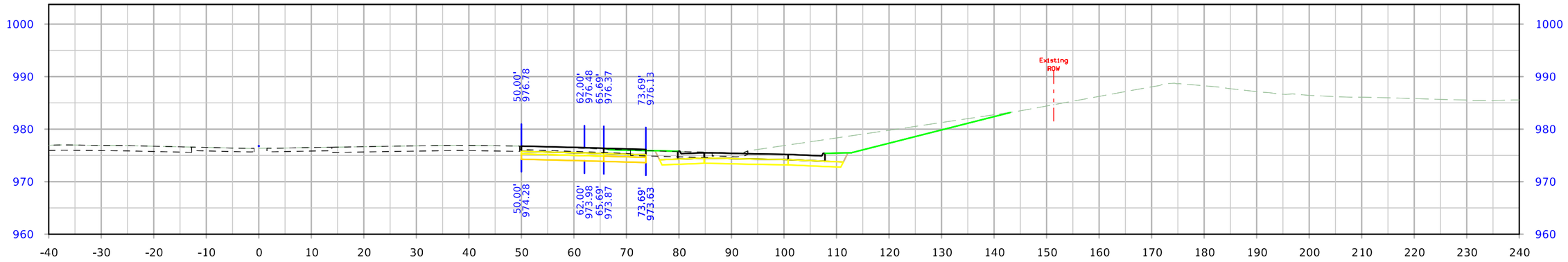
Mainline I-235 Right



STA. 1361+00.00



STA. 1360+50.00

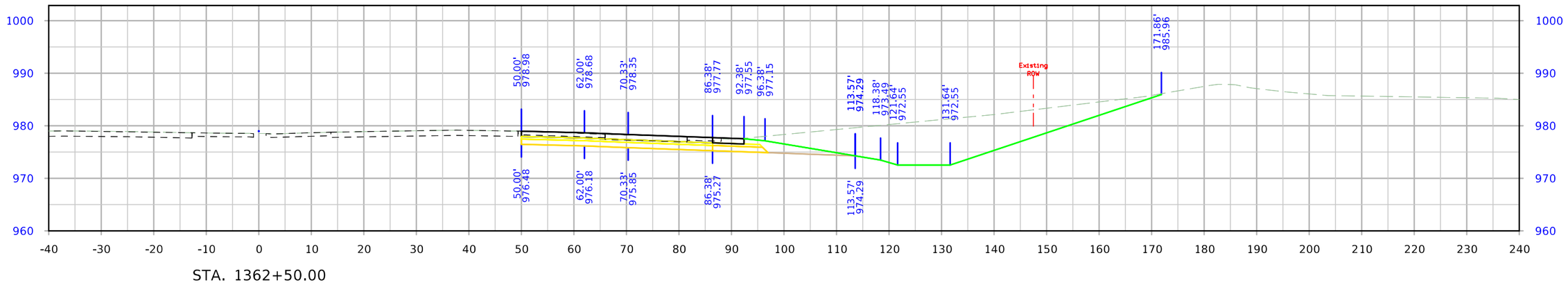


STA. 1360+00.00

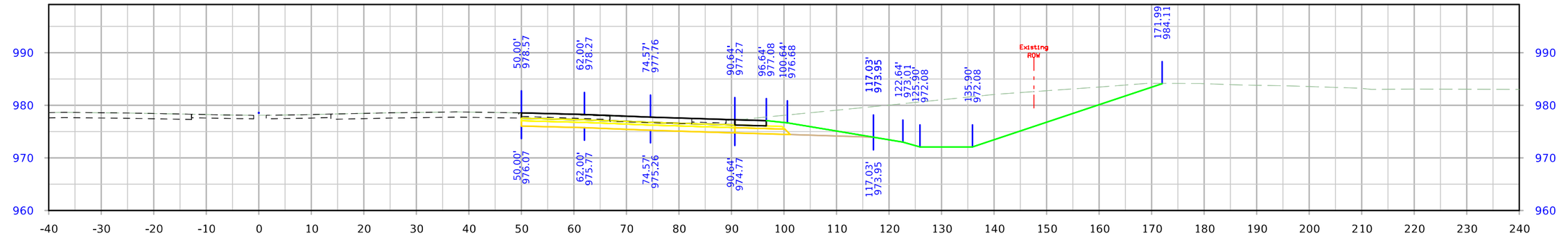
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.112

4:40:03 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W06_77035455_Z08.dgn

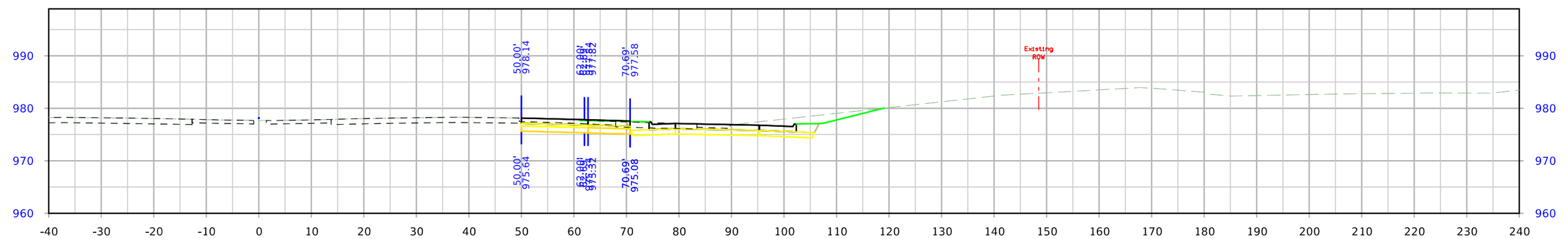
Mainline I-235 Right



STA. 1362+50.00



STA. 1362+00.00

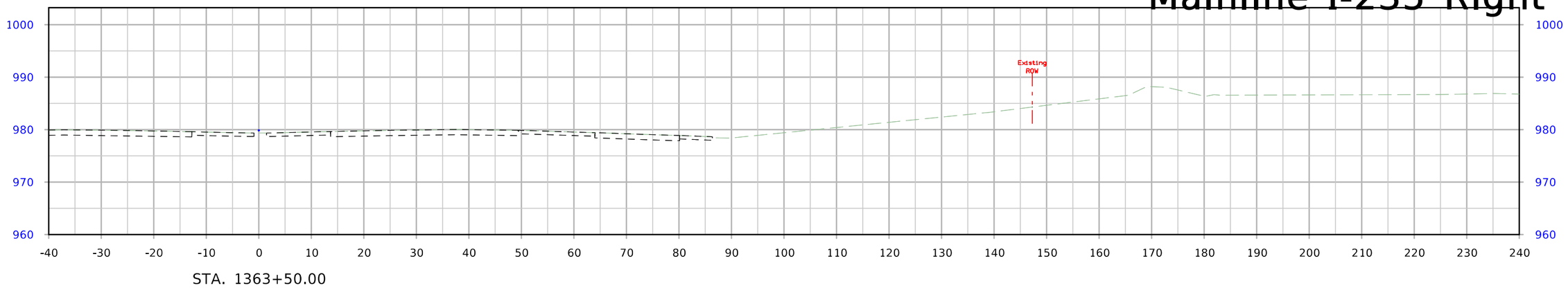


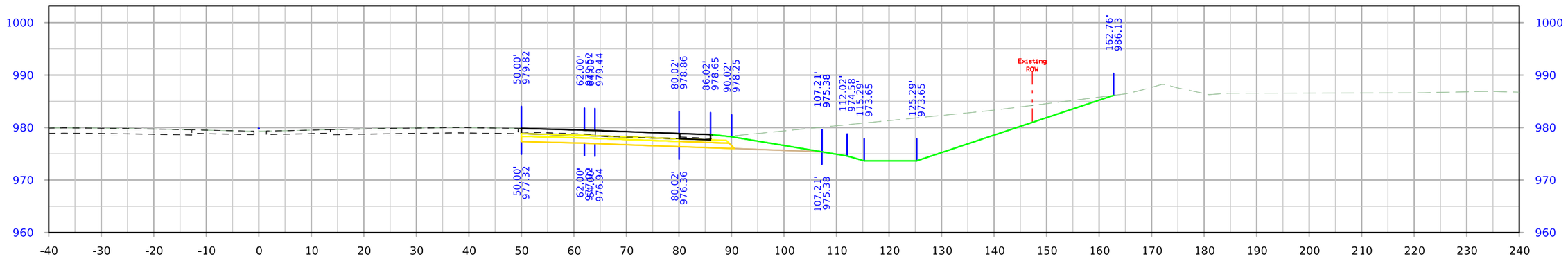
STA. 1361+50.00

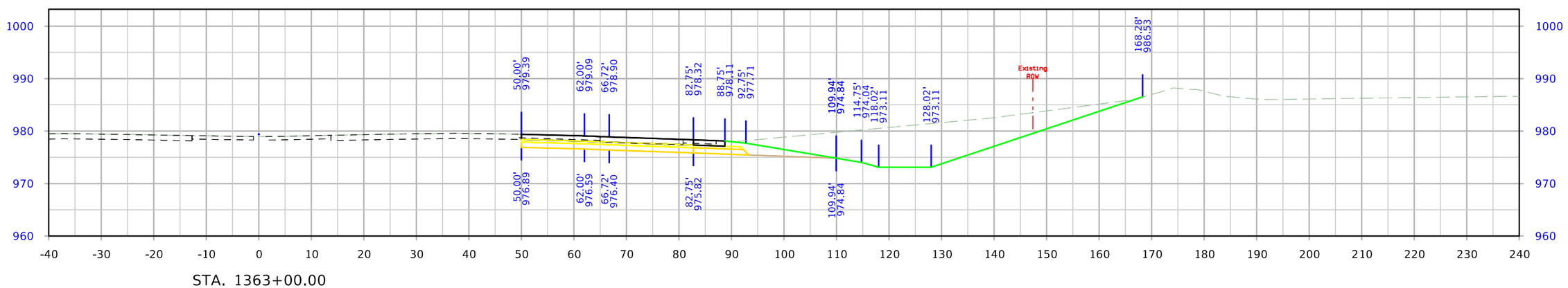
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.113

4:40:05 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W06_77035455_Z08.dgn

Mainline I-235 Right



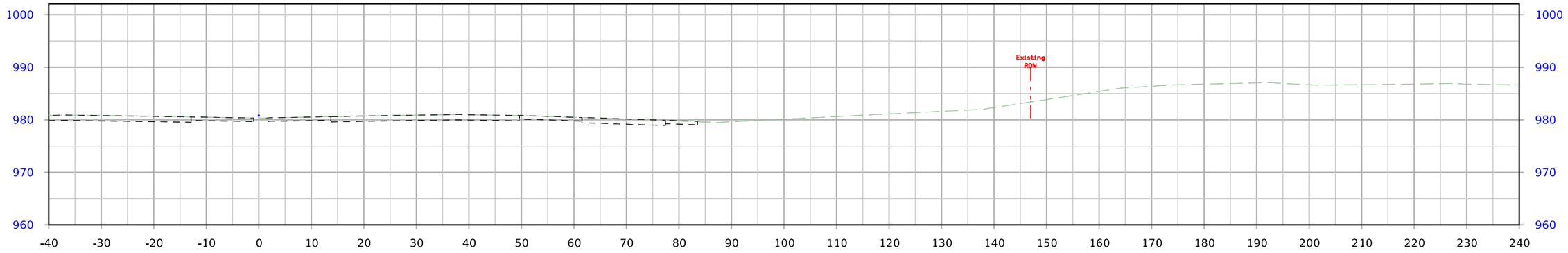




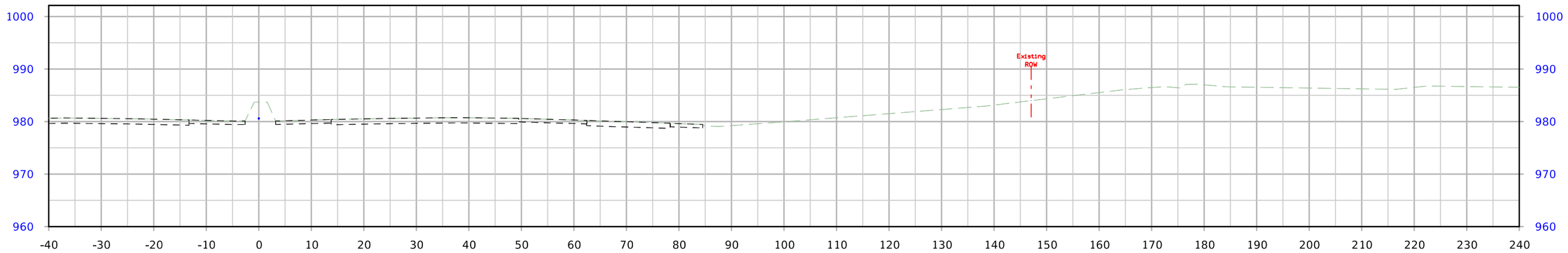
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.114

4:40:07 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W06_77035455_Z08.dgn

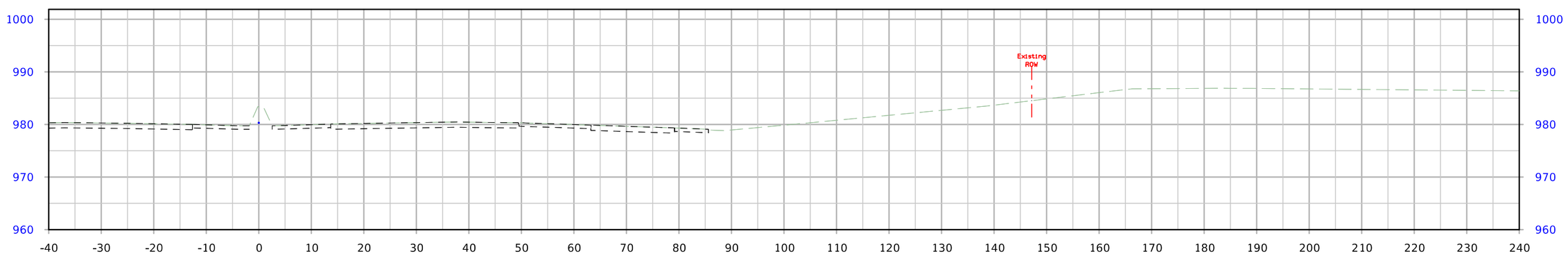
Mainline I-235 Right



STA. 1365+00.00



STA. 1364+50.00

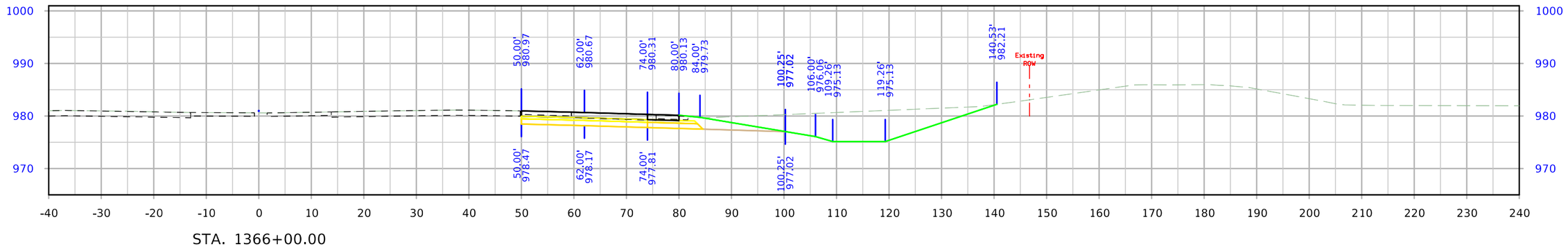


STA. 1364+00.00

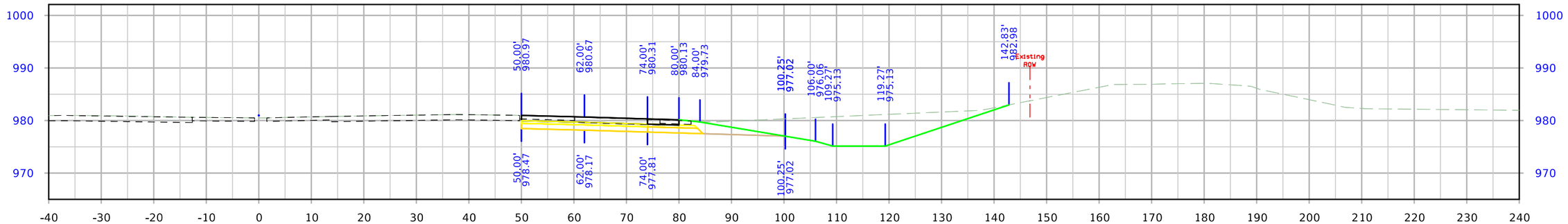
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.115

4:40:09 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W06_77035455_Z08.dgn

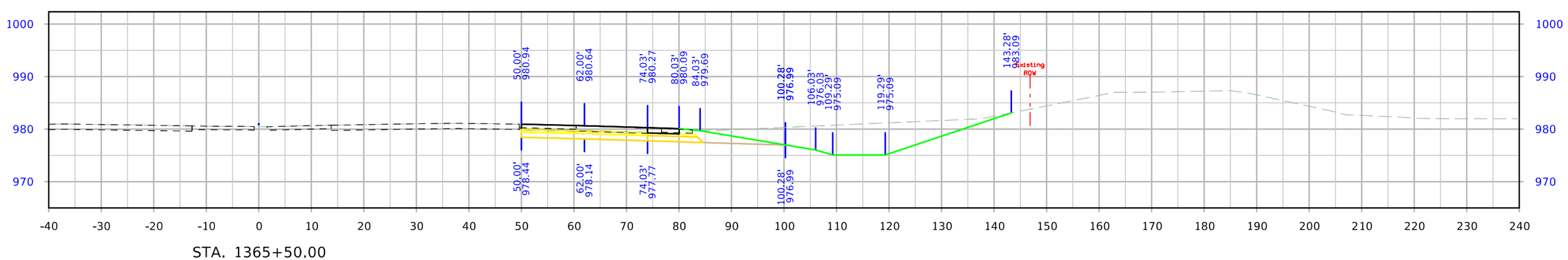
Mainline I-235 Right



STA. 1366+00.00



STA. 1365+64.45

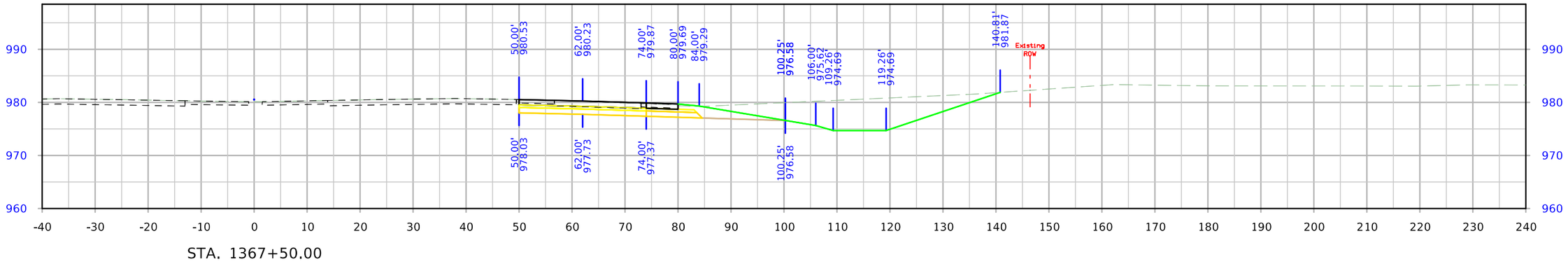


STA. 1365+50.00

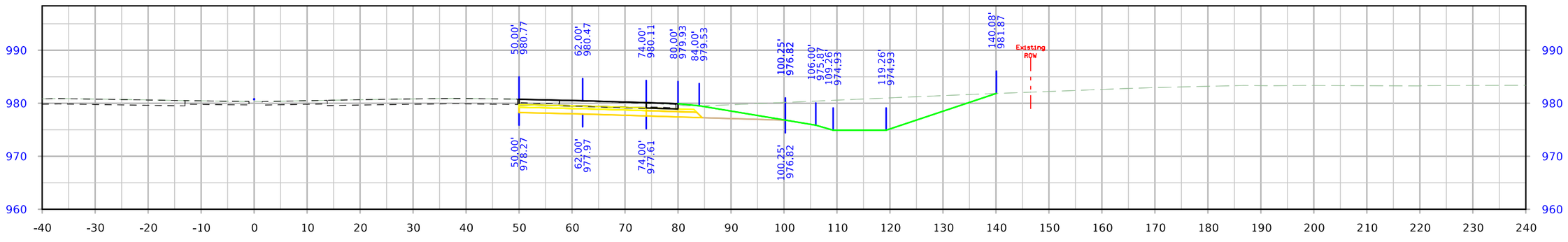
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.116

4:40:12 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W06_77035455_Z08.dgn

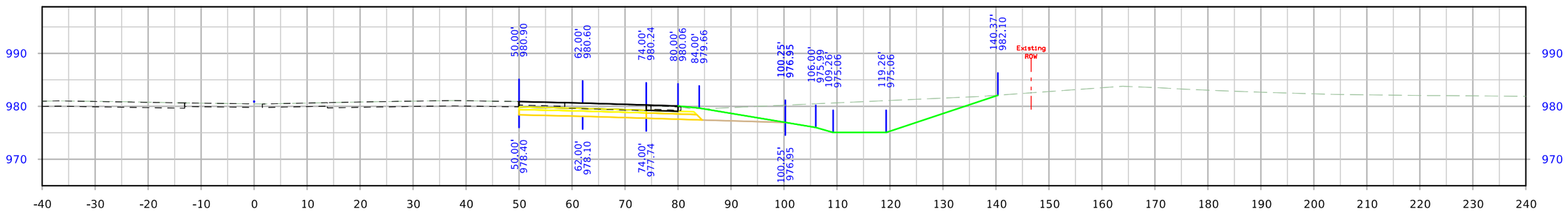
Mainline I-235 Right



STA. 1367+50.00



STA. 1367+00.00

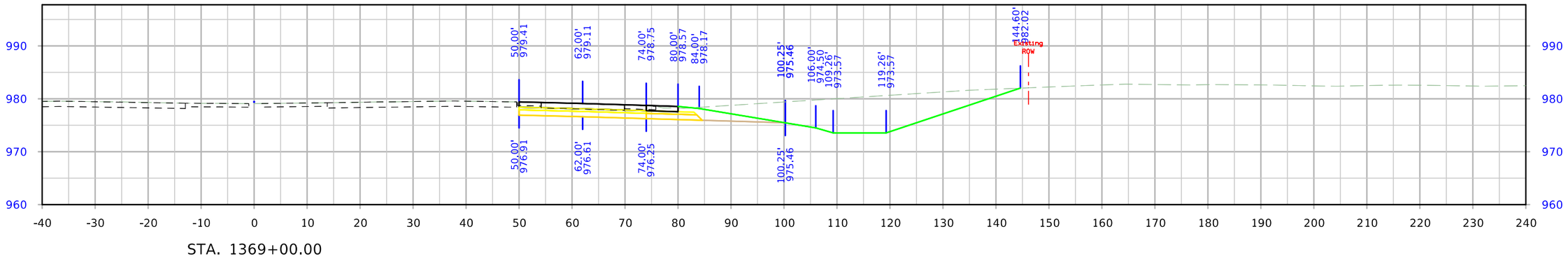


STA. 1366+50.00

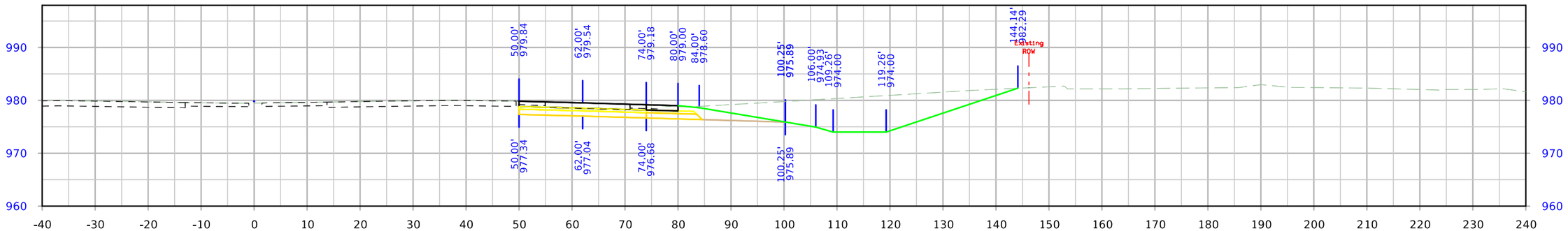
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.117

4:40:14 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W06_77035455_Z08.dgn

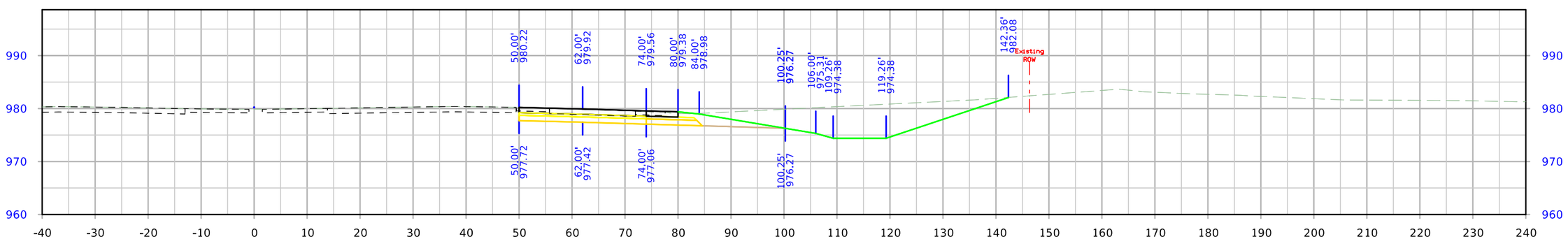
Mainline I-235 Right



STA. 1369+00.00



STA. 1368+50.00

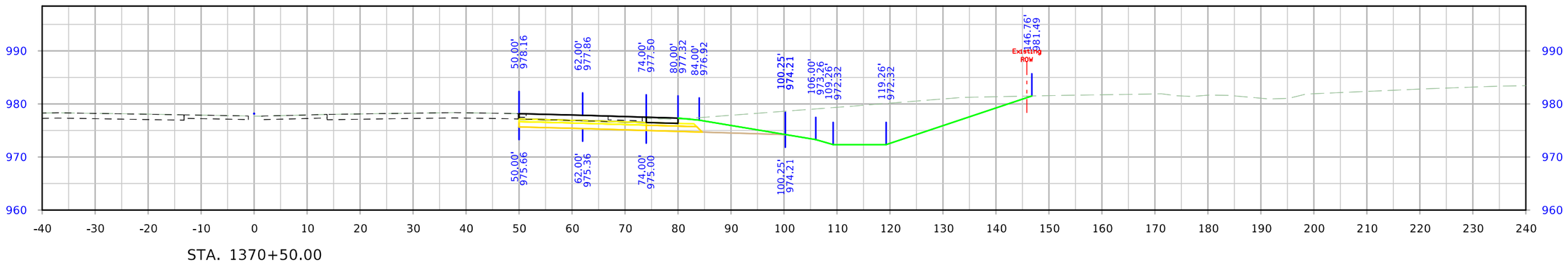


STA. 1368+00.00

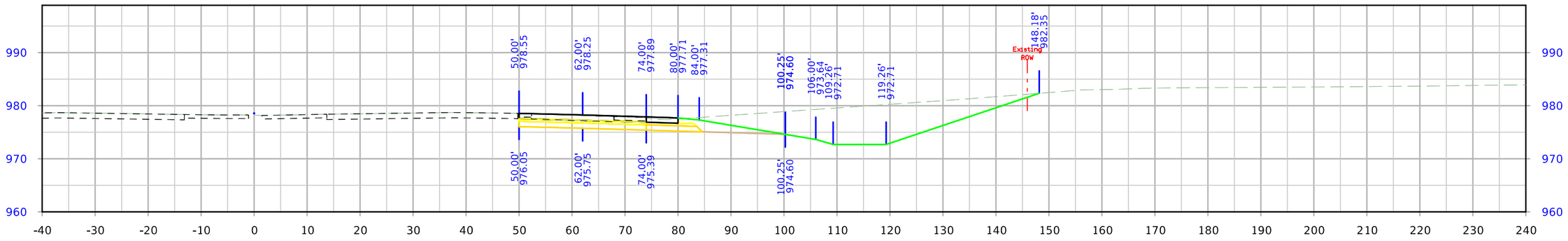
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.118

4:40:16 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W06_77035455_Z08.dgn

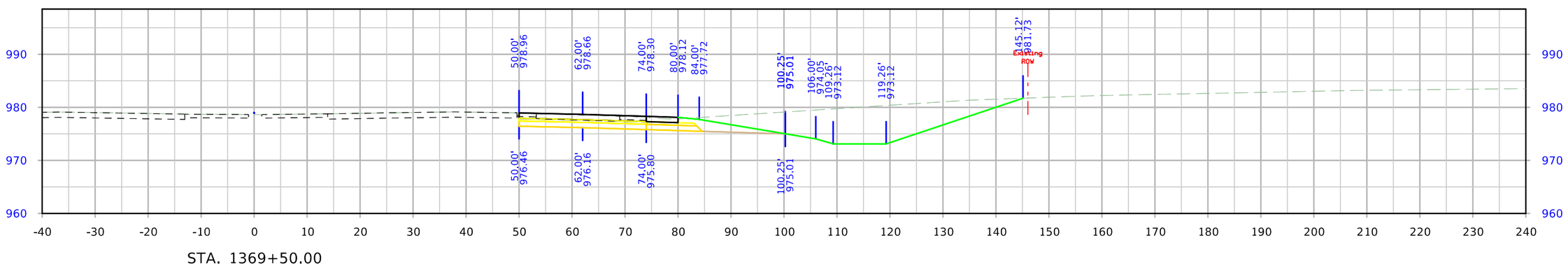
Mainline I-235 Right



STA. 1370+50.00



STA. 1370+00.00

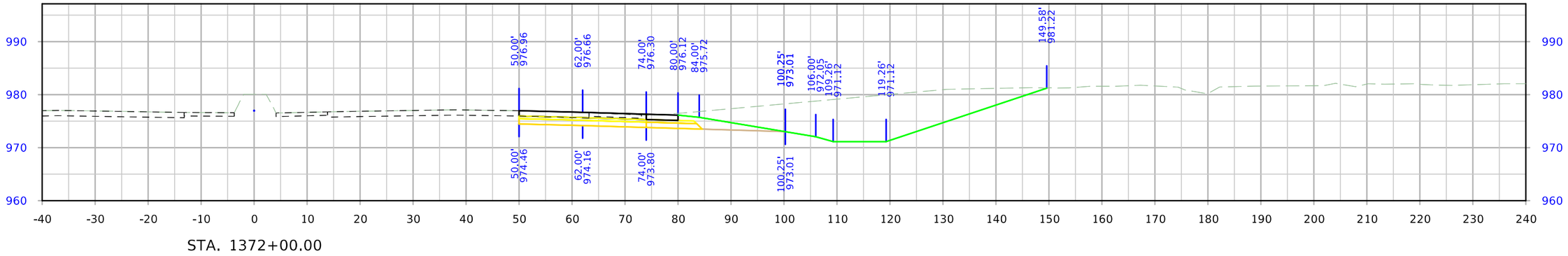


STA. 1369+50.00

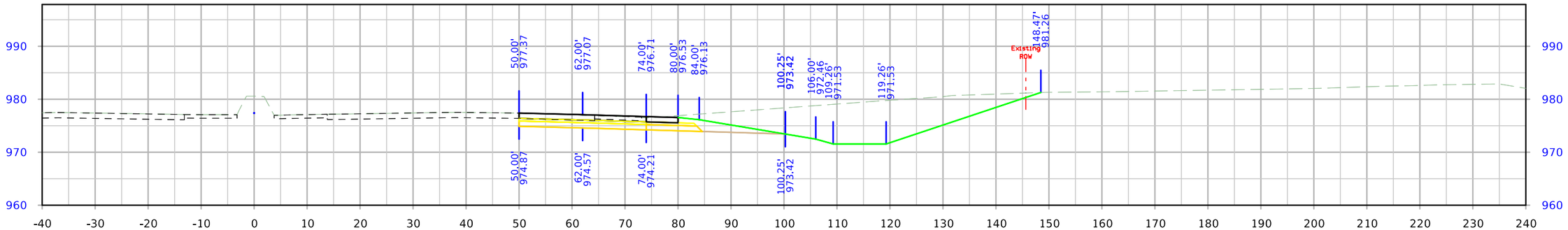
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.119

4:40:18 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W06_77035455_Z08.dgn

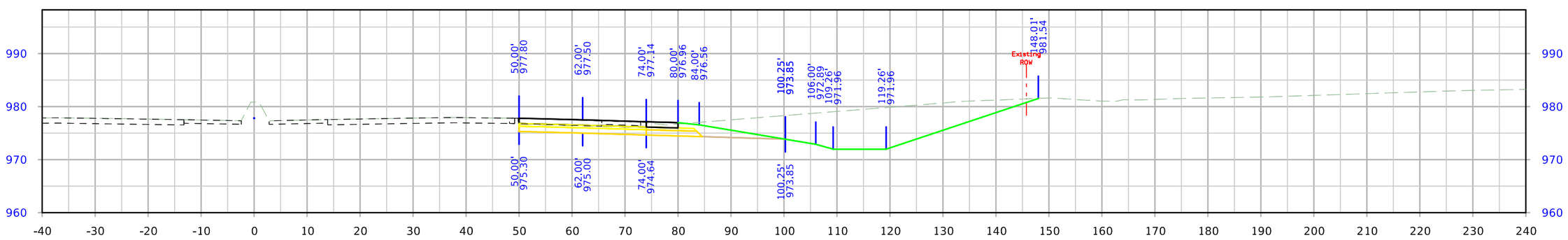
Mainline I-235 Right



STA. 1372+00.00



STA. 1371+50.00

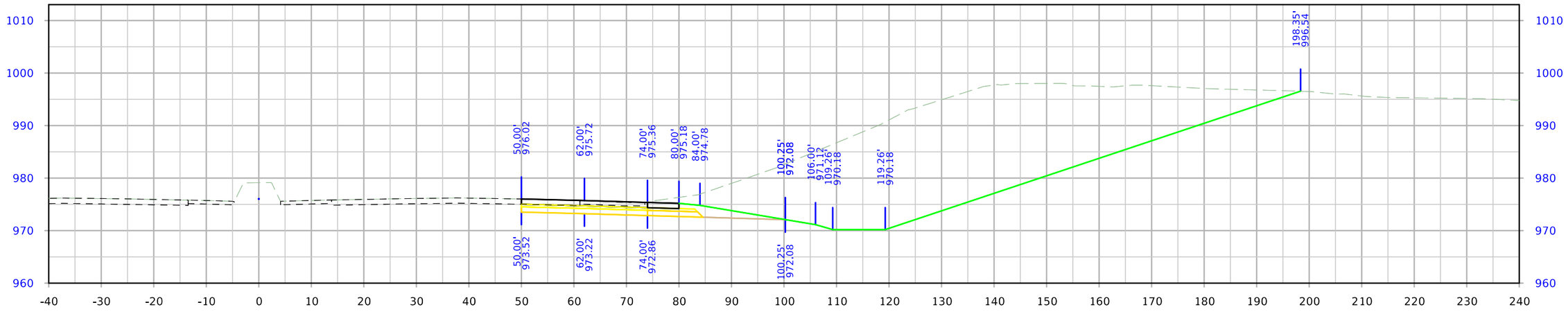


STA. 1371+00.00

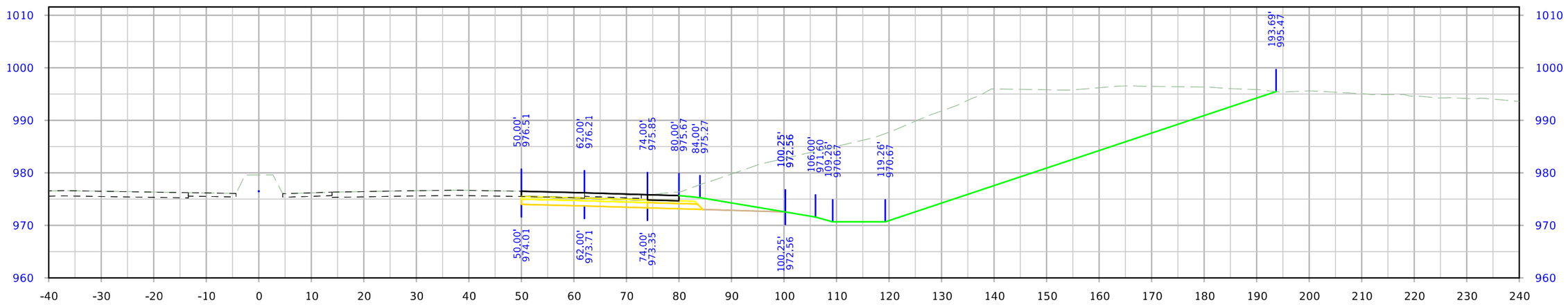
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.120

4:40:20 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W06_77035455_Z08.dgn

Mainline I-235 Right



STA. 1373+00.00

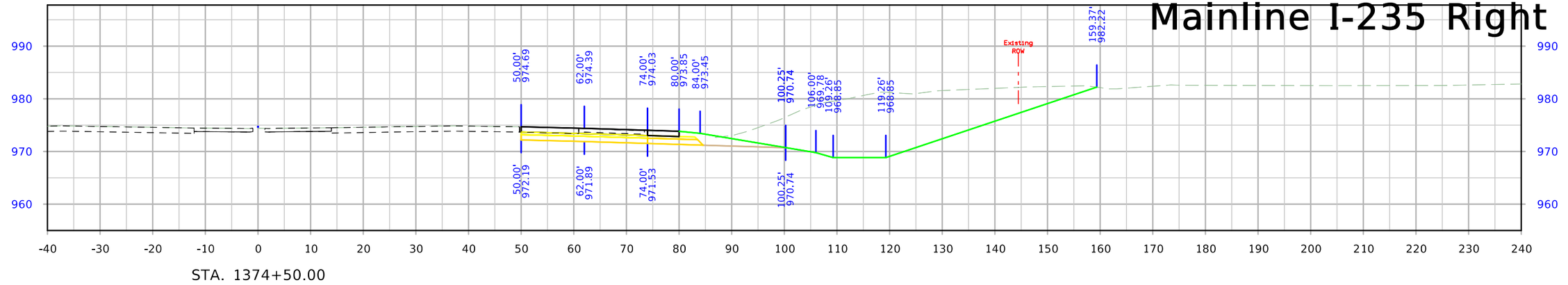


STA. 1372+50.00

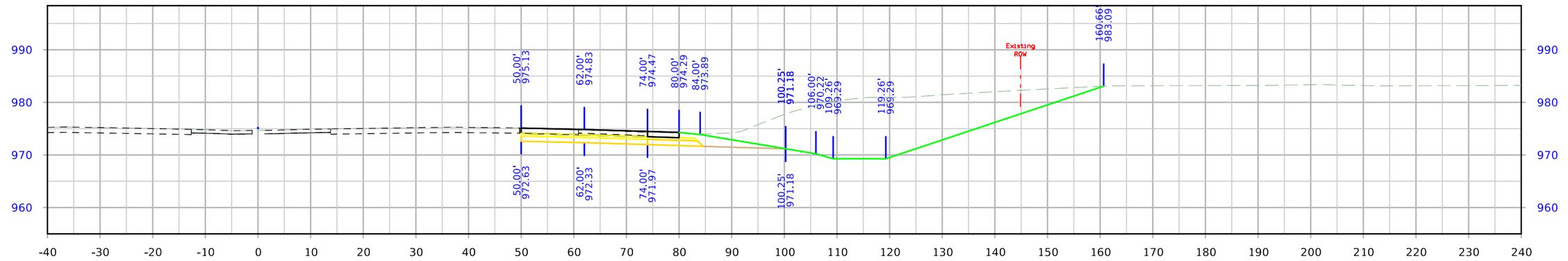
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.121

4:40:22 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W06_77035455_Z08.dgn

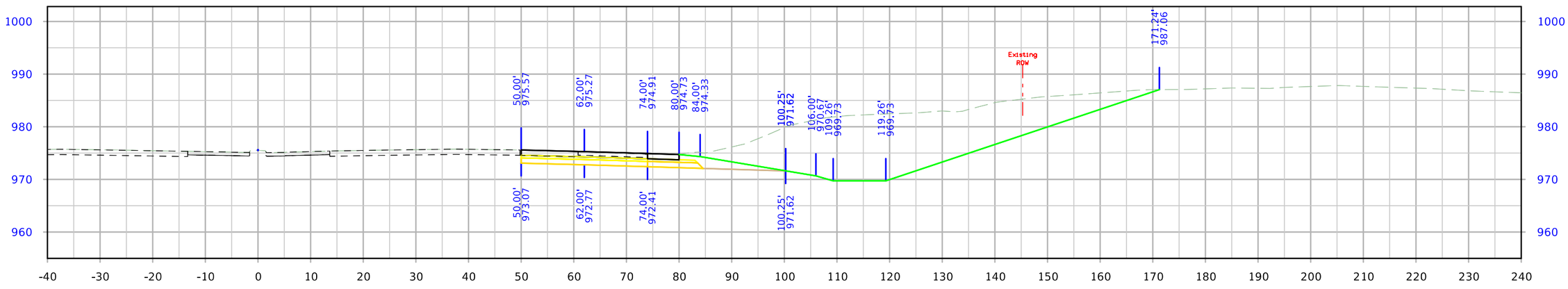
Mainline I-235 Right



STA. 1374+50.00



STA. 1374+00.00

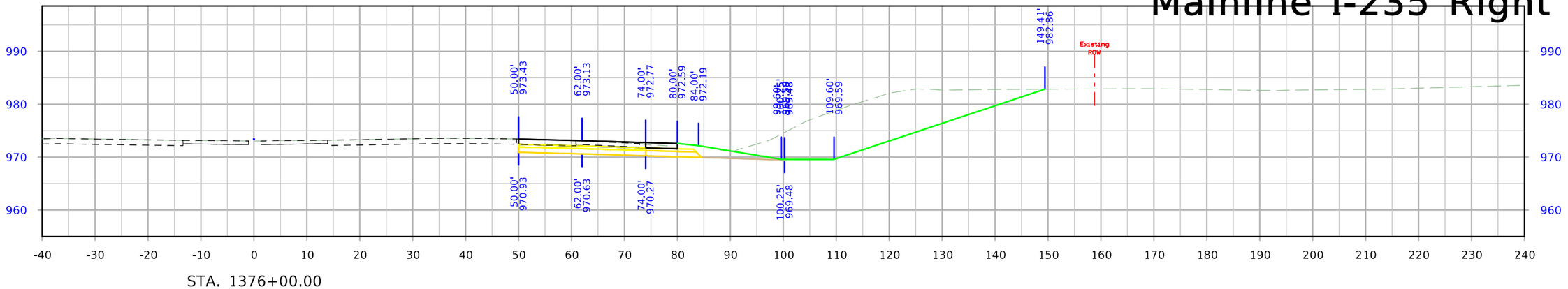


STA. 1373+50.00

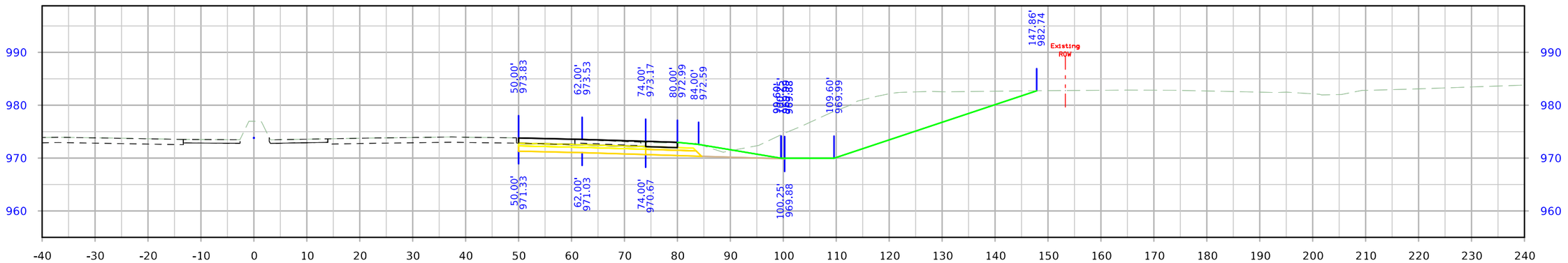
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.122

4:40:24 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W06_77035455_Z08.dgn

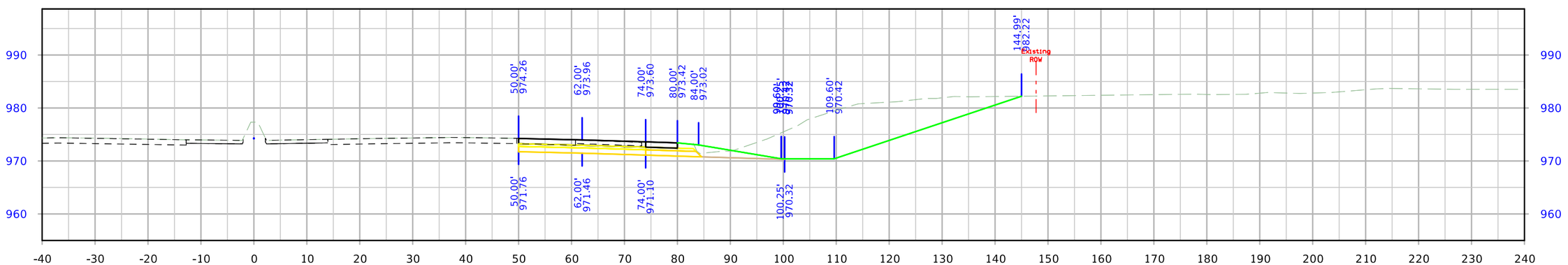
Mainline I-235 Right



STA. 1376+00.00



STA. 1375+50.00

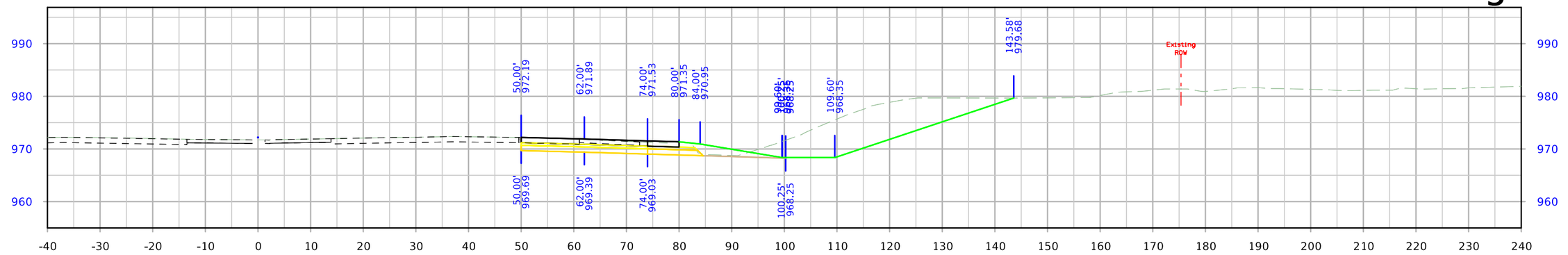


STA. 1375+00.00

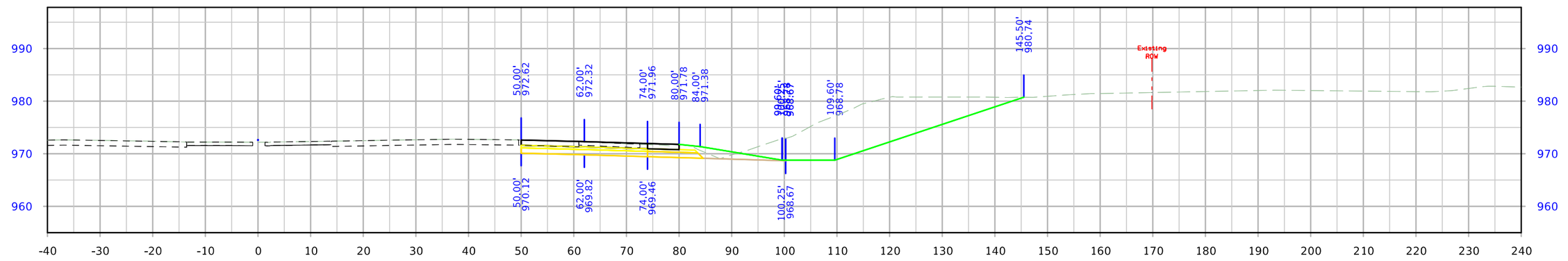
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.123

4:40:26 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W06_77035455_Z08.dgn

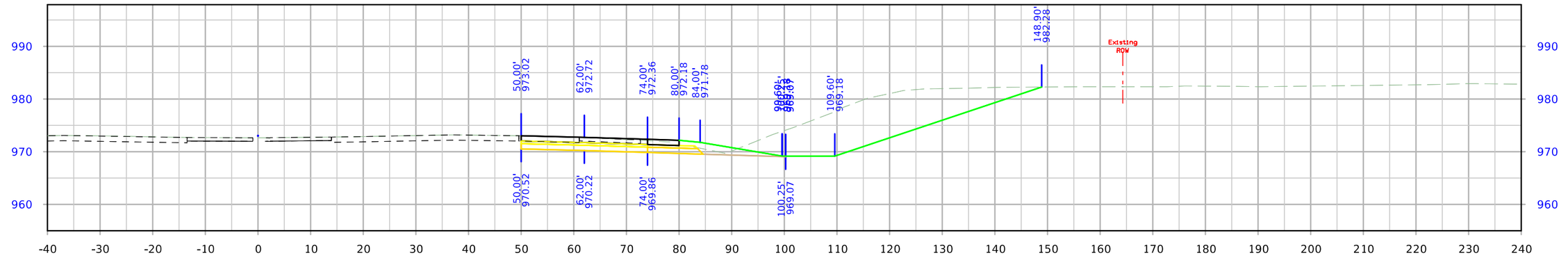
Mainline I-235 Right



STA. 1377+50.00



STA. 1377+00.00

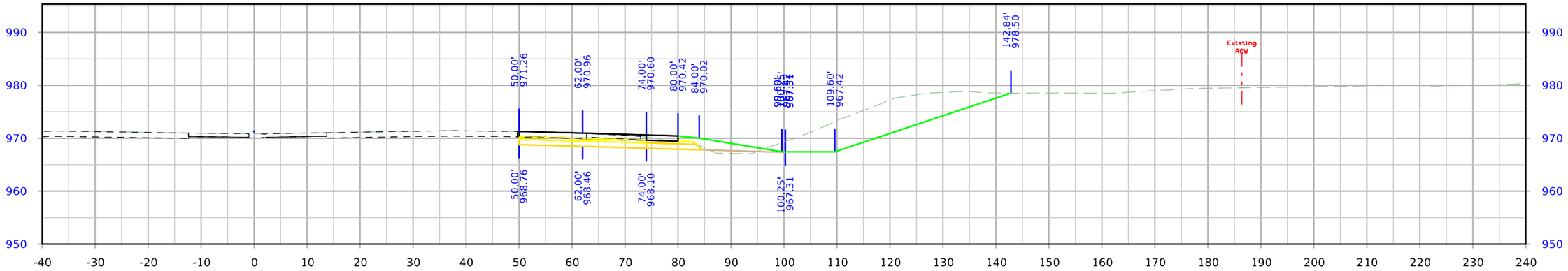


STA. 1376+50.00

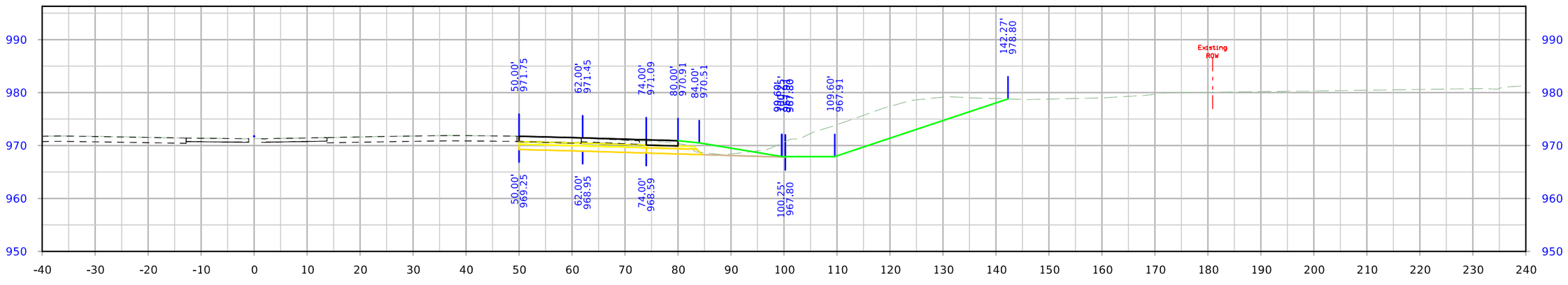
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.124

4:40:28 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W06_77035455_Z08.dgn

Mainline I-235 Right



STA. 1378+50.00

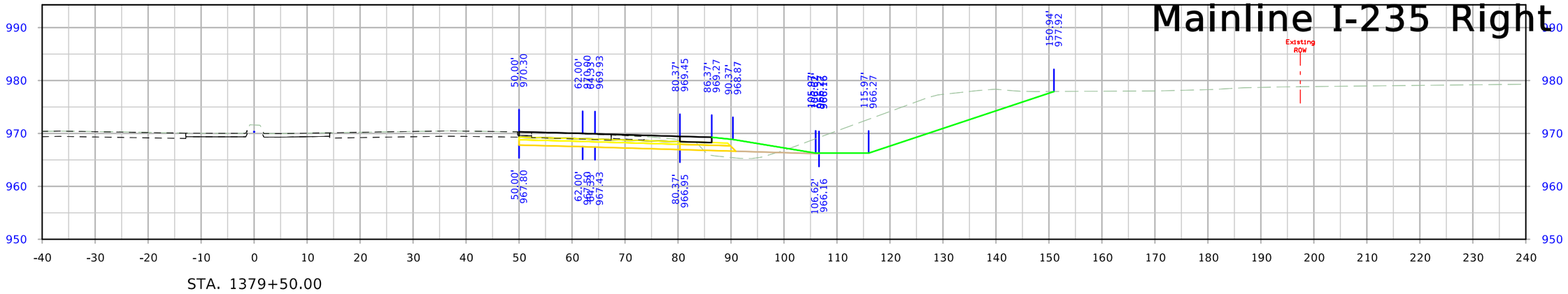


STA. 1378+00.00

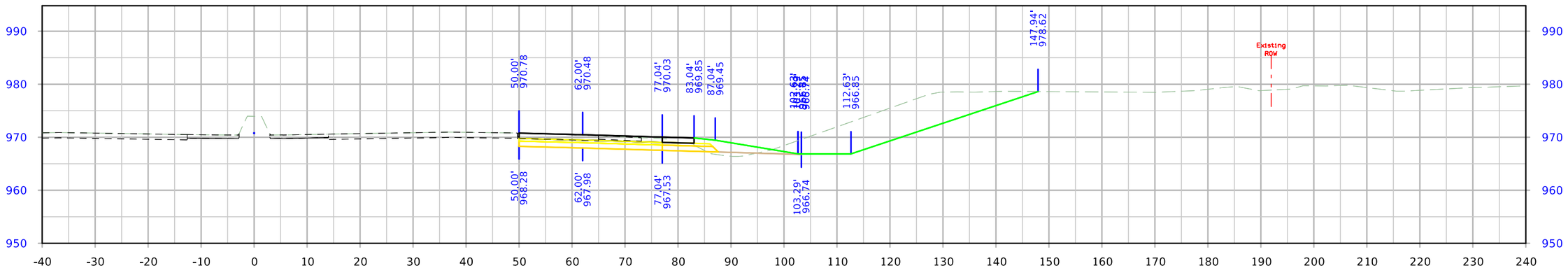
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.125

4:40:30 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W06_77035455_Z08.dgn

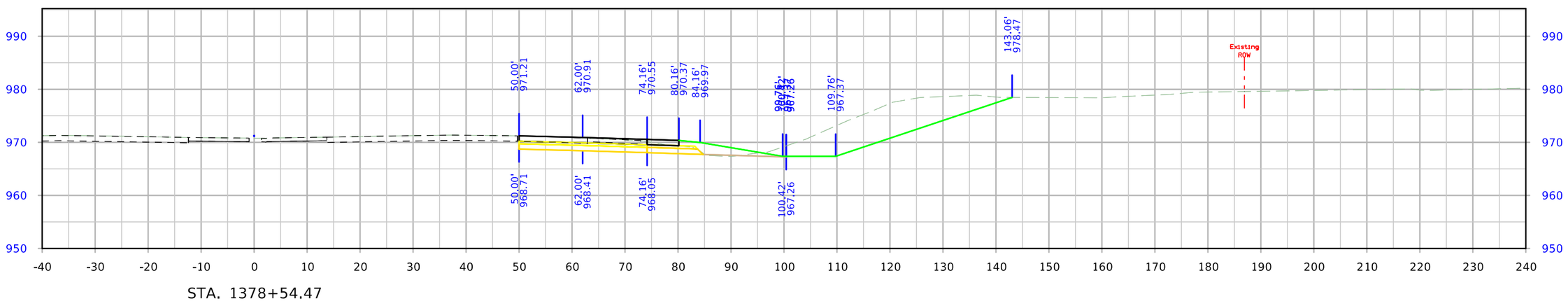
Mainline I-235 Right



STA. 1379+50.00



STA. 1379+00.00

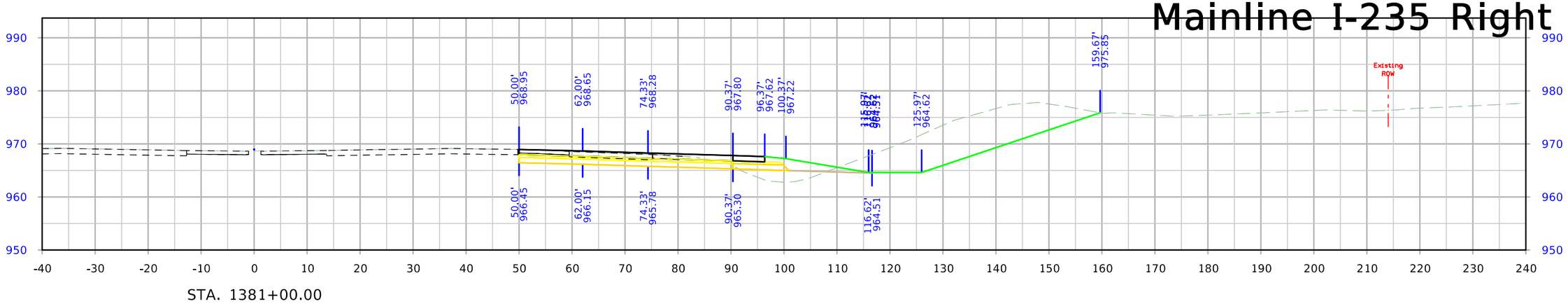


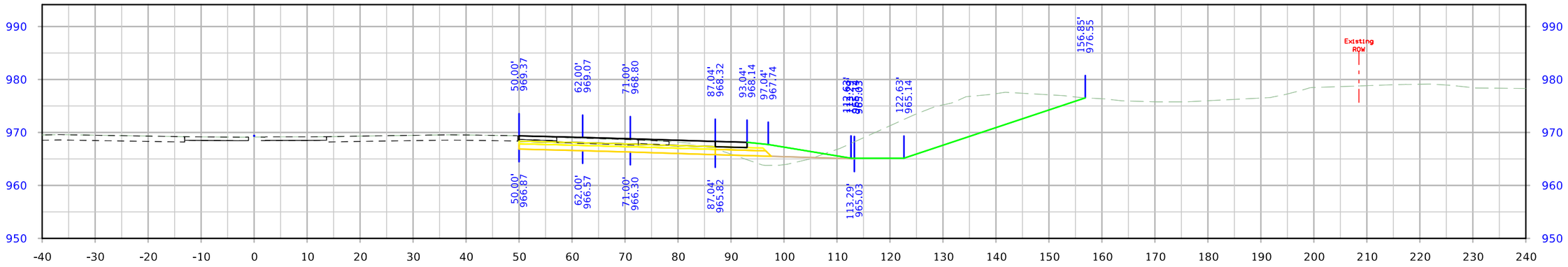
STA. 1378+54.47

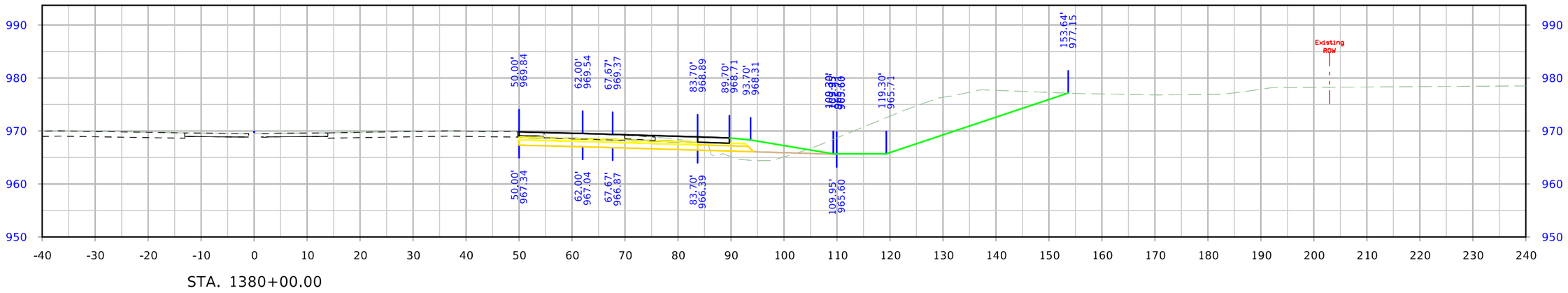
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.126

4:40:32 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W06_77035455_Z08.dgn

Mainline I-235 Right



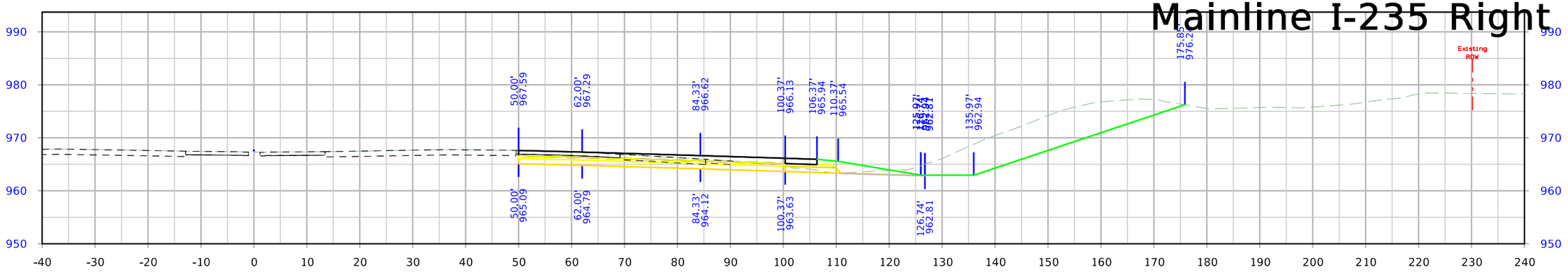




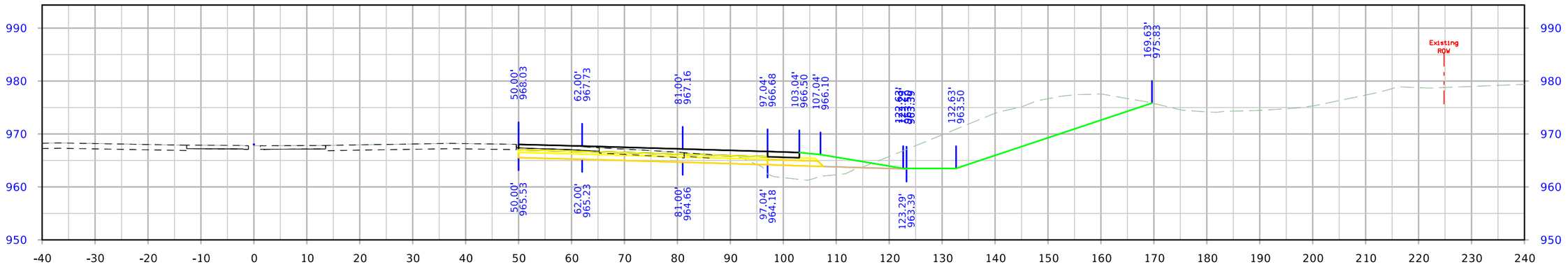
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.127

4:40:34 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W06_77035455_Z08.dgn

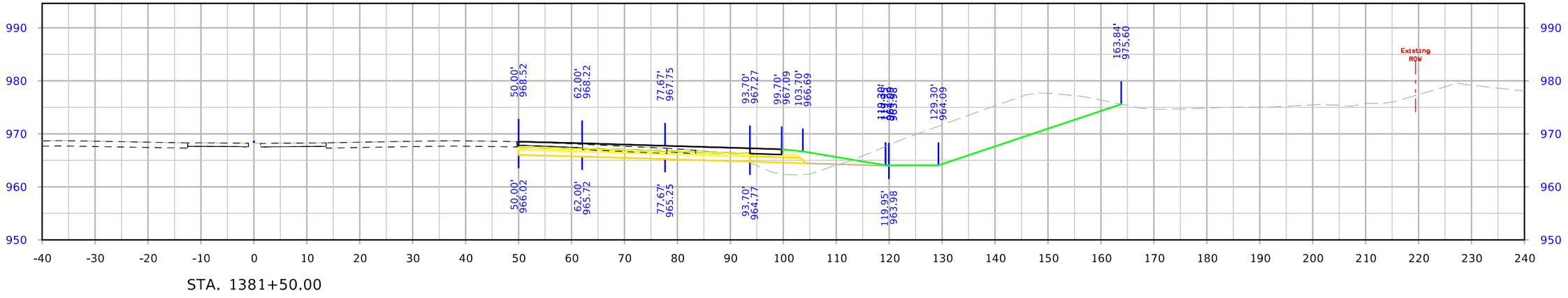
Mainline I-235 Right



STA. 1382+50.00



STA. 1382+00.00

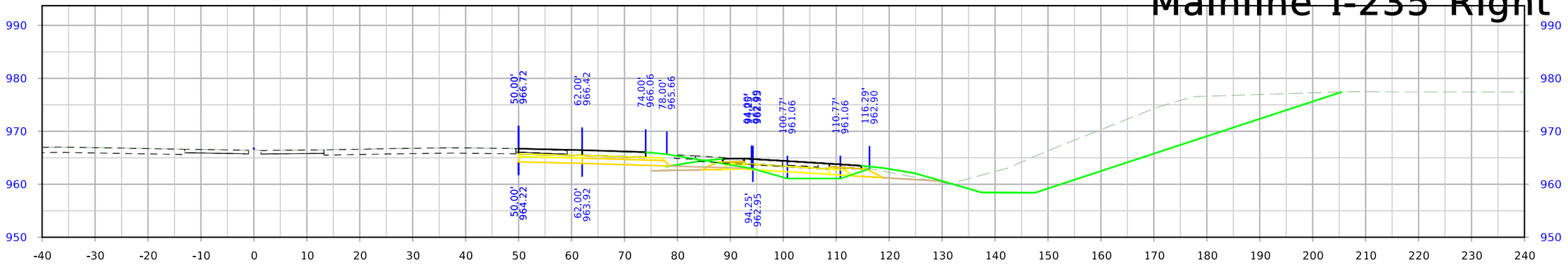


STA. 1381+50.00

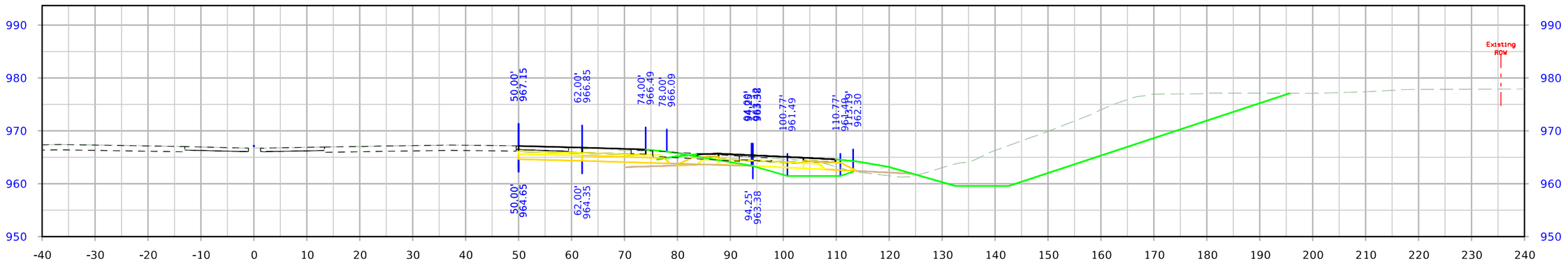
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.128

4:40:36 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W06_77035455_Z08.dgn

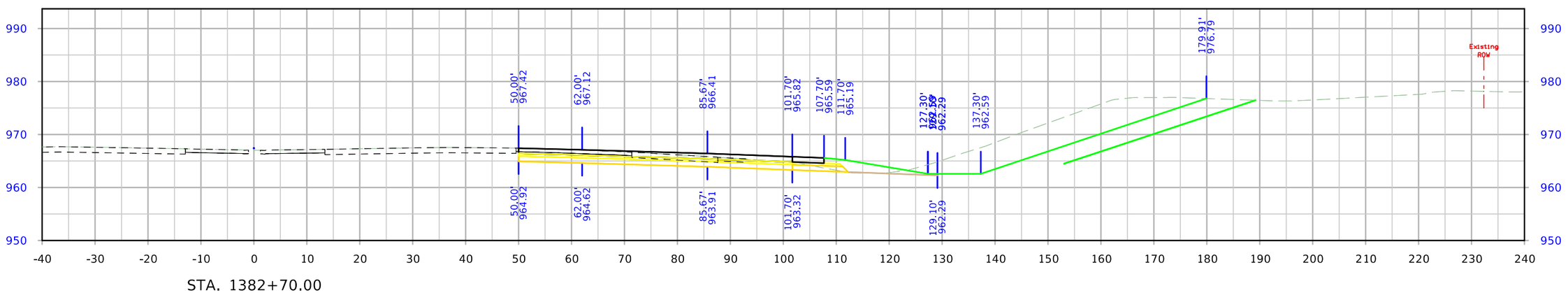
Mainline I-235 Right



STA. 1383+50.00



STA. 1383+00.00

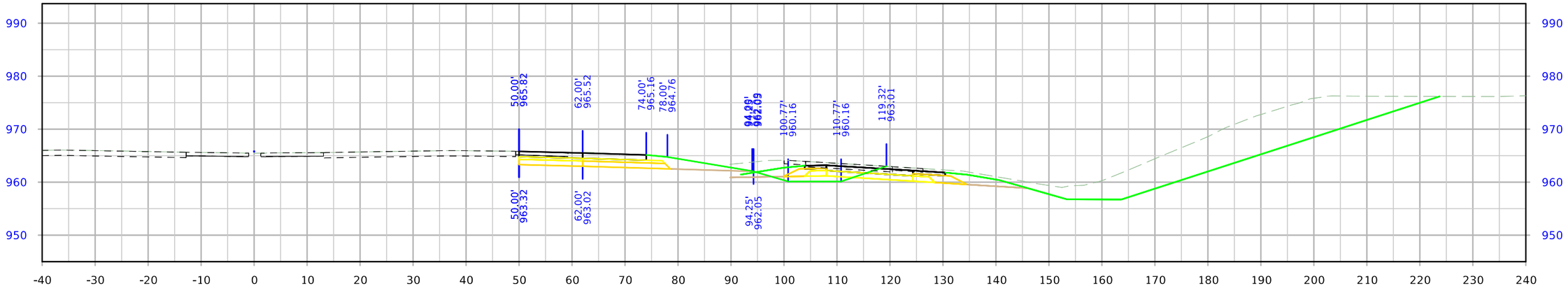


STA. 1382+70.00

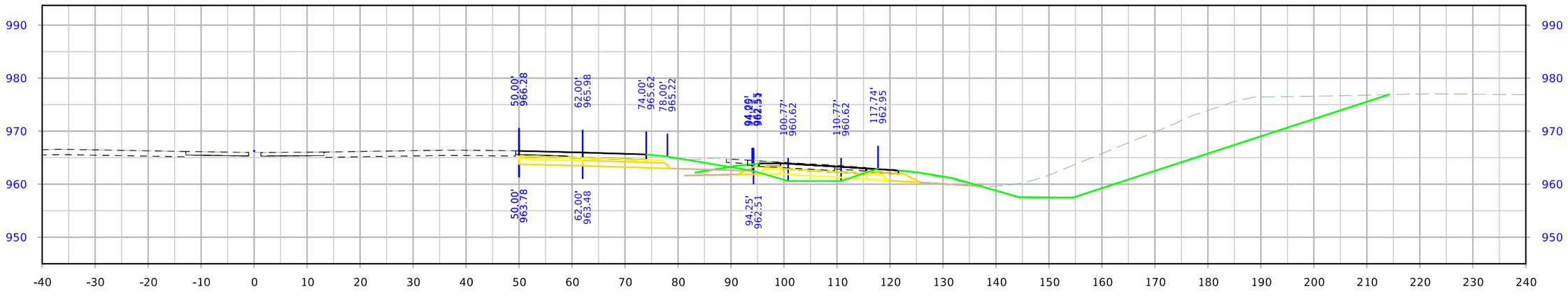
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.129

4:40:38 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W06_77035455_Z08.dgn

Mainline I-235 Right



STA. 1384+50.00

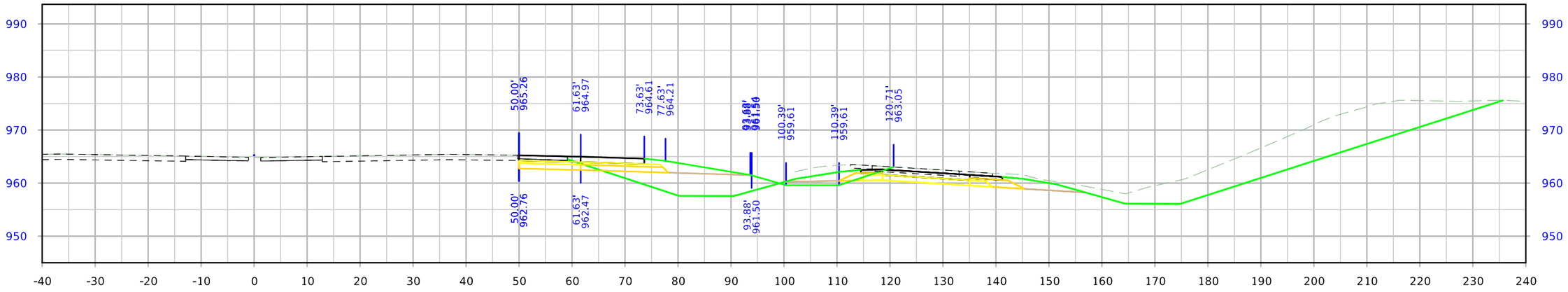


STA. 1384+00.00

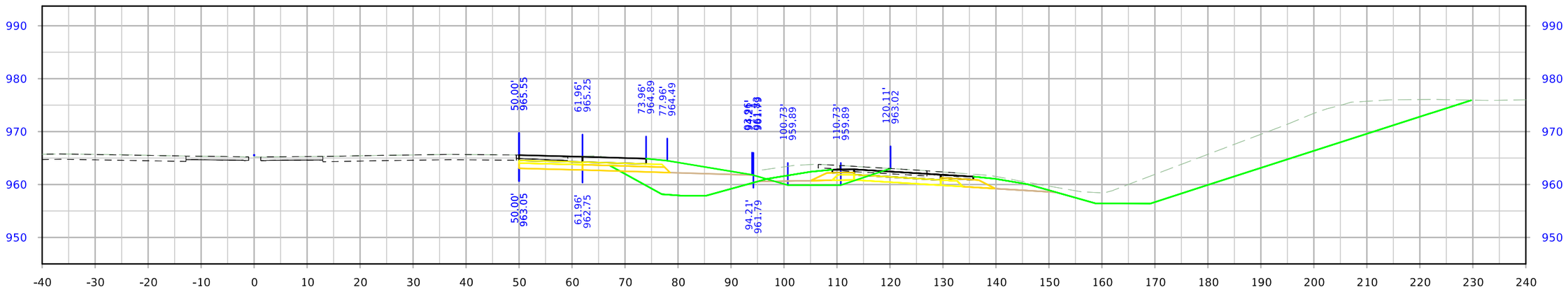
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.130

4:40:39 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W06_77035455_Z08.dgn

Mainline I-235 Right



STA. 1385+00.00

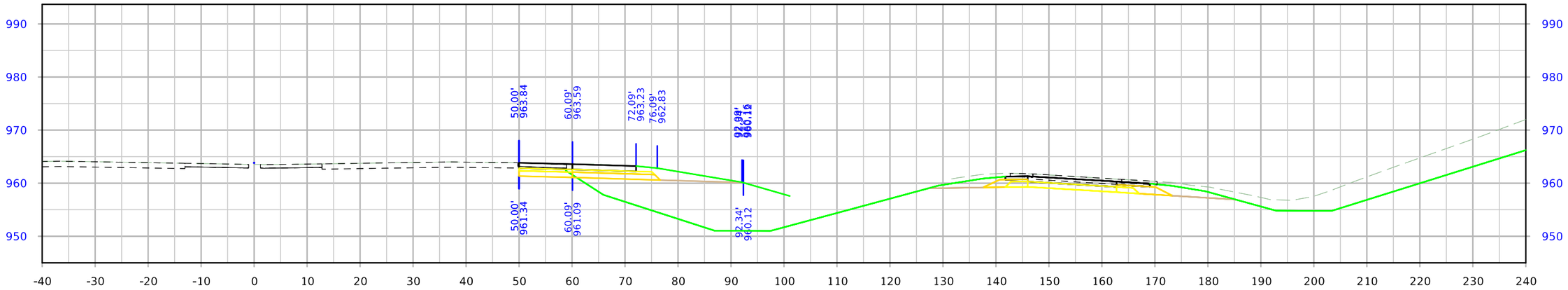


STA. 1384+75.80

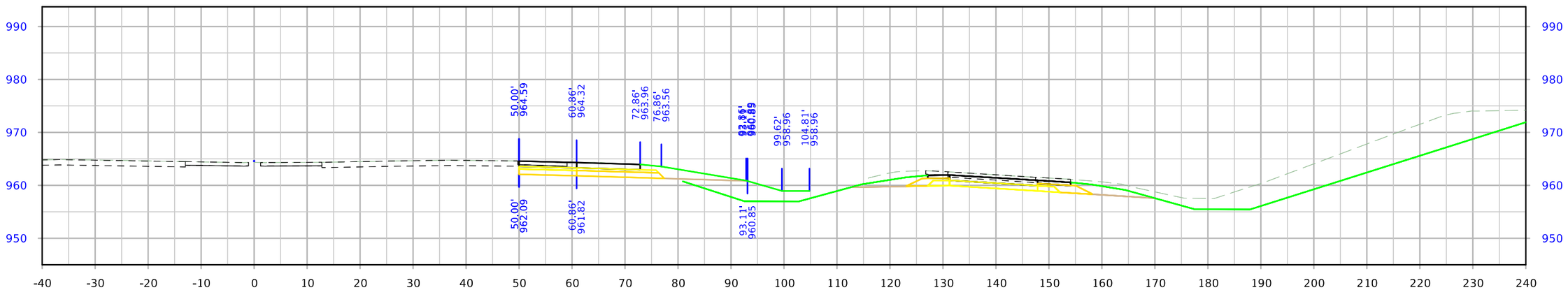
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.131

4:40:41 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W06_77035455_Z08.dgn

Mainline I-235 Right



STA. 1386+00.00

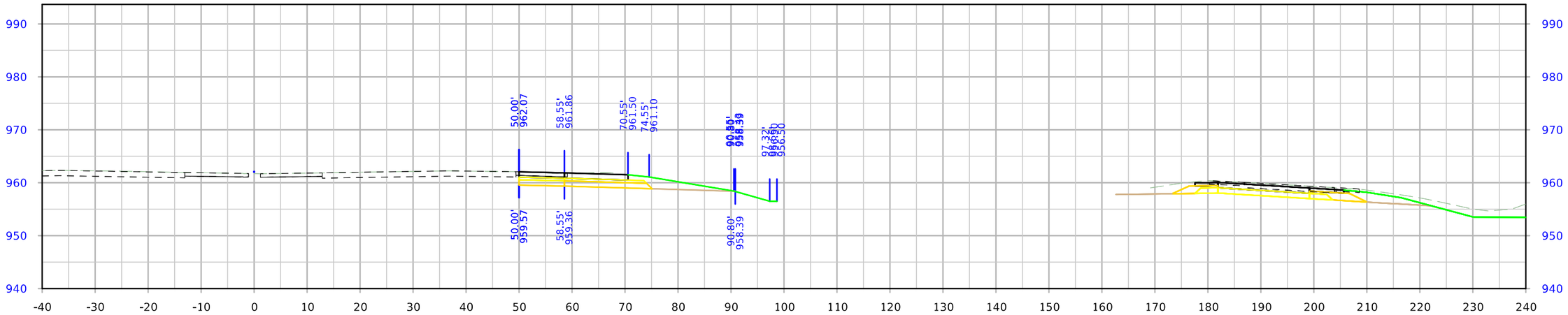


STA. 1385+50.00

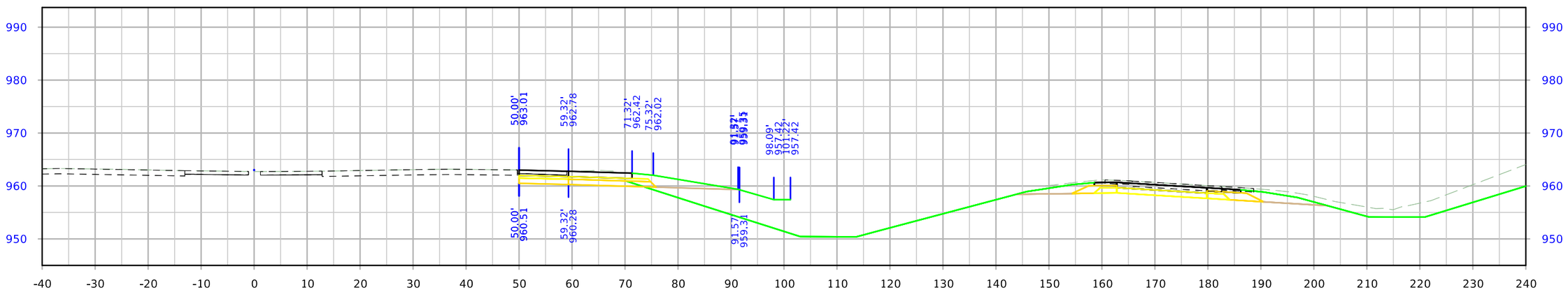
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.132

4:40:42 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W06_77035455_Z08.dgn

Mainline I-235 Right



STA. 1387+00.00

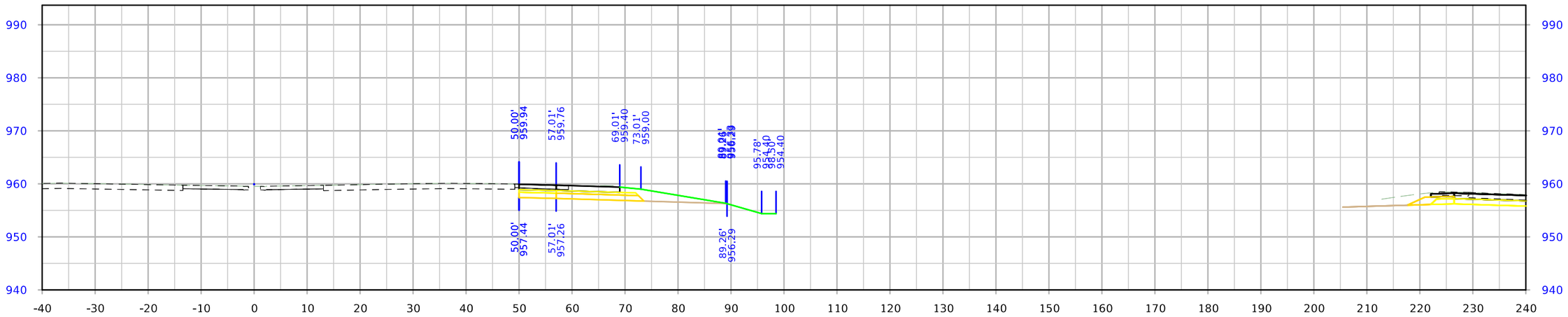


STA. 1386+50.00

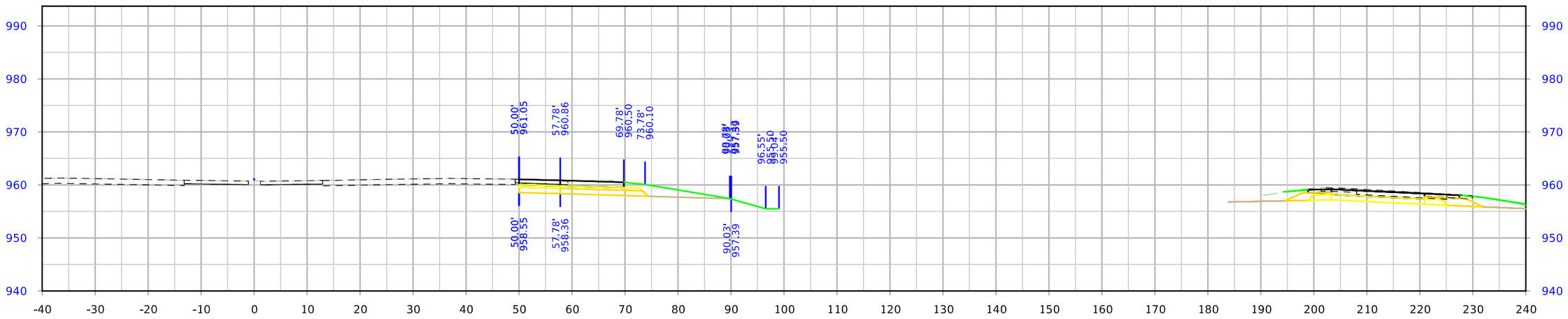
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.133

4:40:44 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W06_77035455_Z08.dgn

Mainline I-235 Right



STA. 1388+00.00

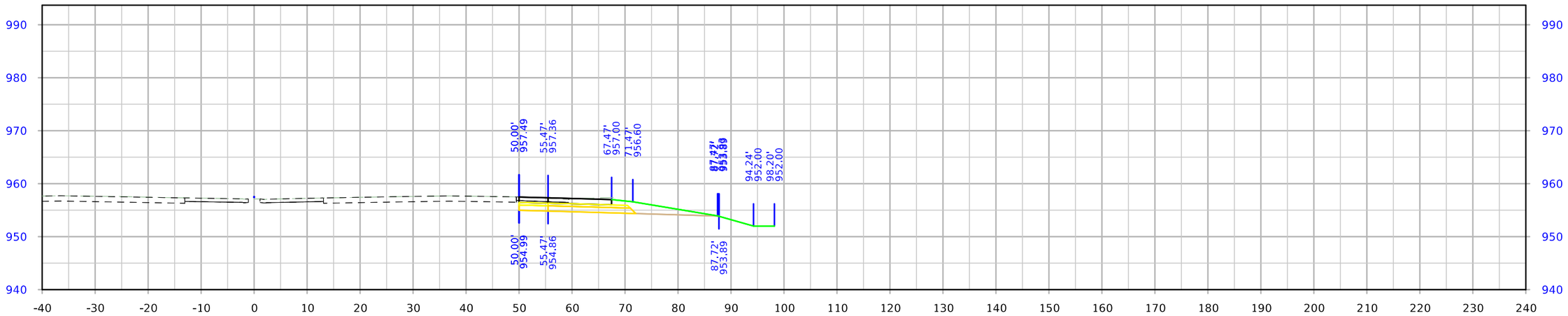


STA. 1387+50.00

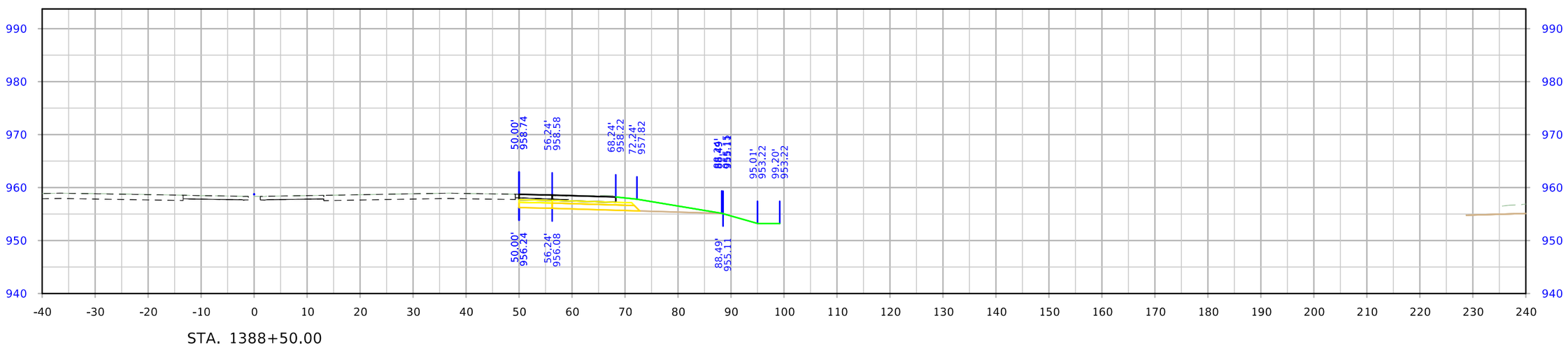
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.134

4:40:45 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W06_77035455_Z08.dgn

Mainline I-235 Right



STA. 1389+00.00

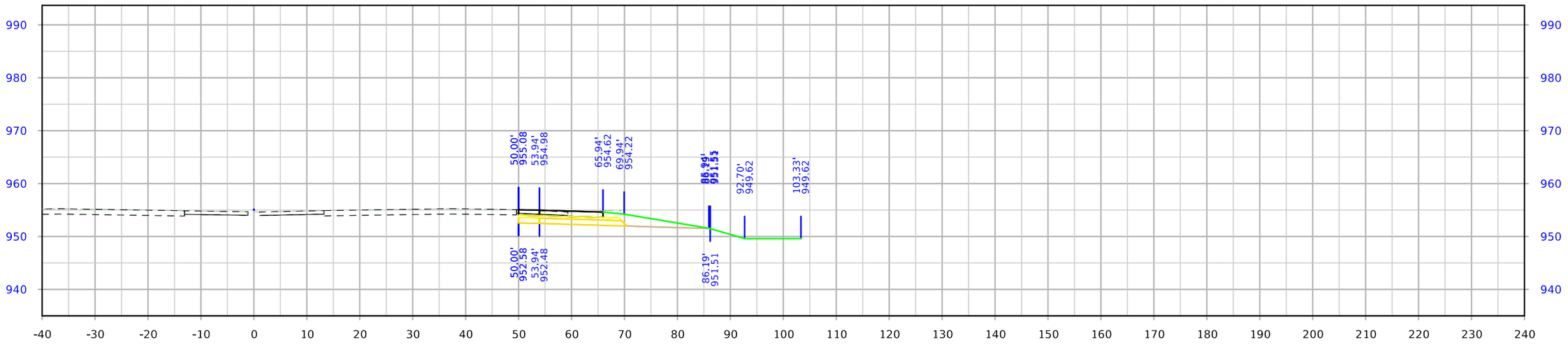


STA. 1388+50.00

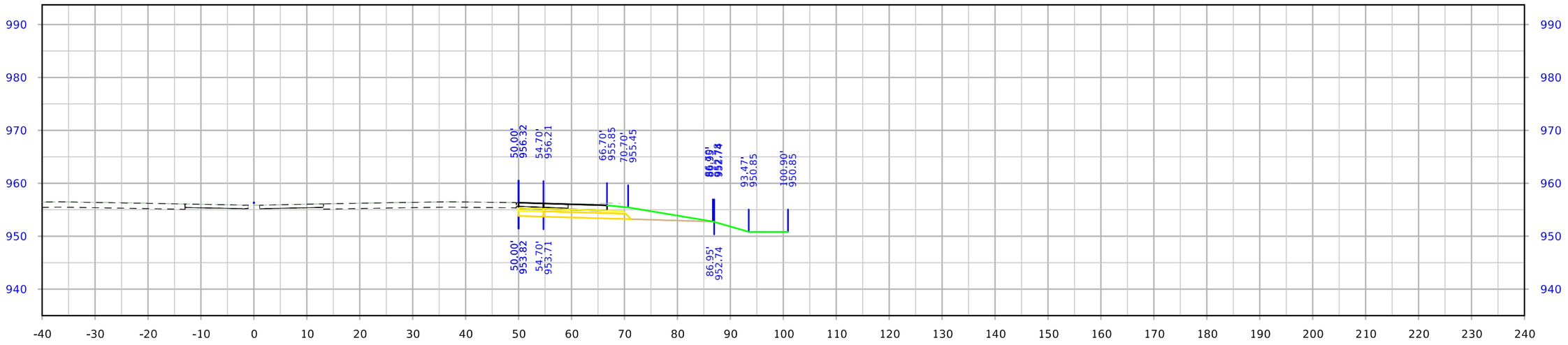
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.135

4:40:47 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W06_77035455_Z08.dgn

Mainline I-235 Right



STA. 1390+00.00

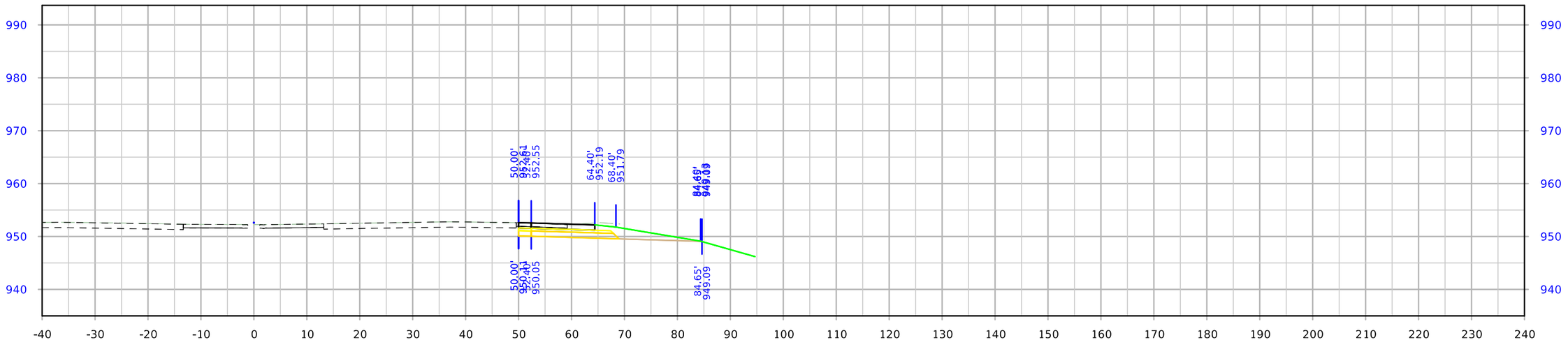


STA. 1389+50.00

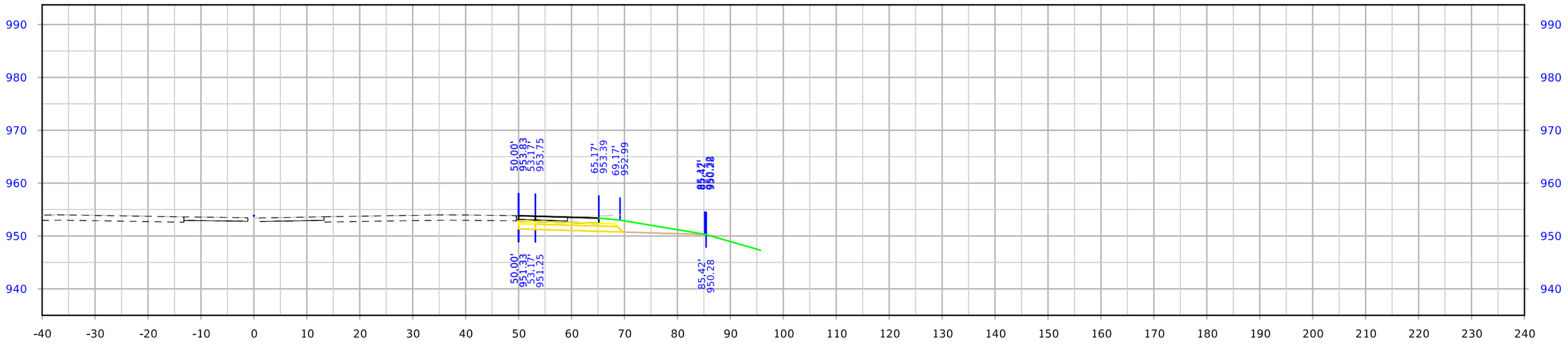
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.136

4:40:48 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W06_77035455_Z08.dgn

Mainline I-235 Right



STA. 1391+00.00

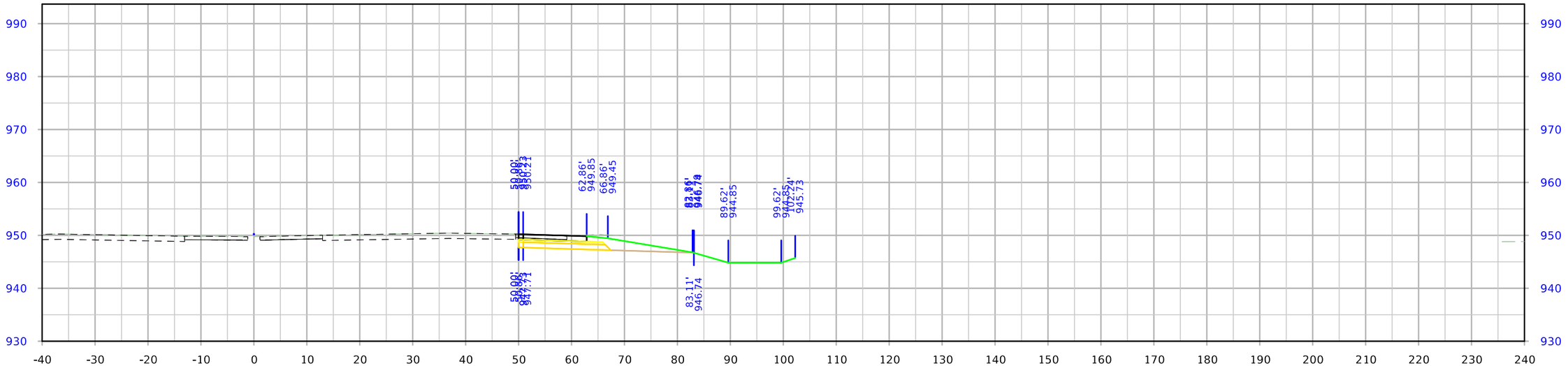


STA. 1390+50.00

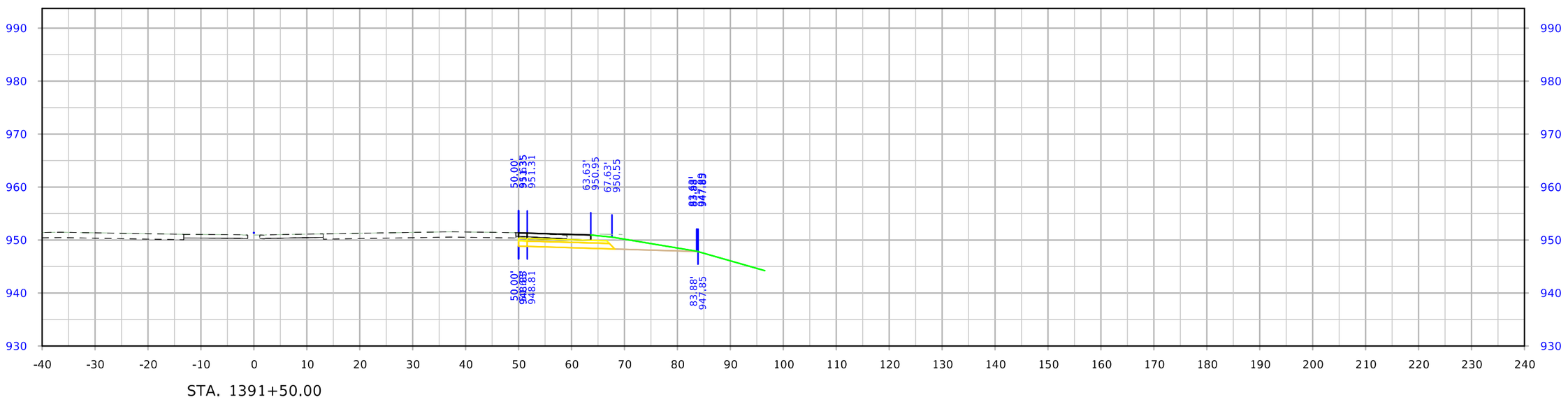
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.137

4:40:50 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W06_77035455_Z08.dgn

Mainline I-235 Right



STA. 1392+00.00

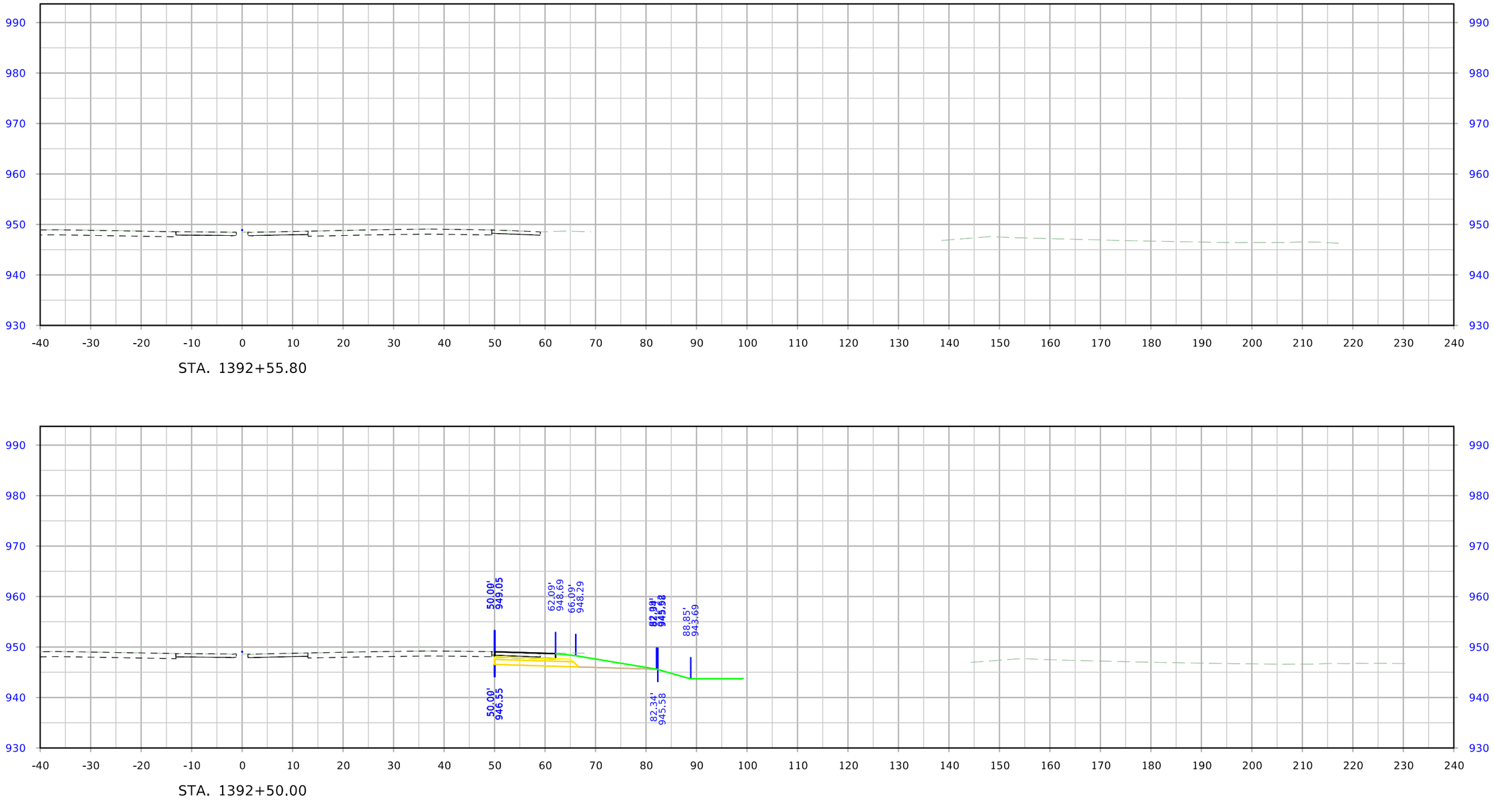


STA. 1391+50.00

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.138

4:40:51 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W06_77035455_Z08.dgn

Mainline I-235 Right



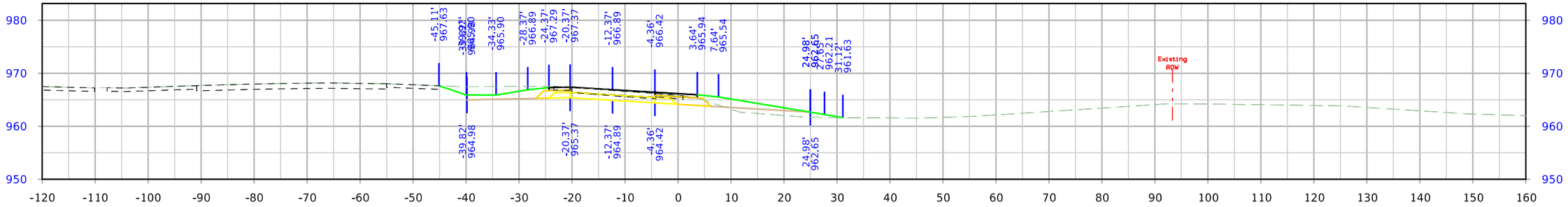
STA. 1392+55.80

STA. 1392+50.00

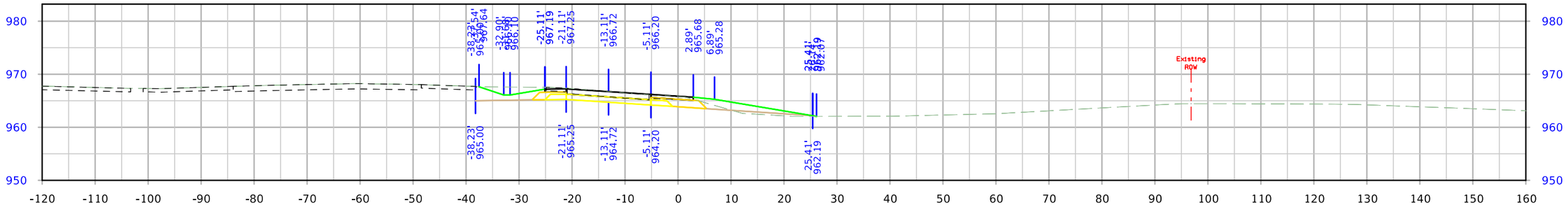
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER W.139

4:40:53 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_W06_77035455_Z08.dgn

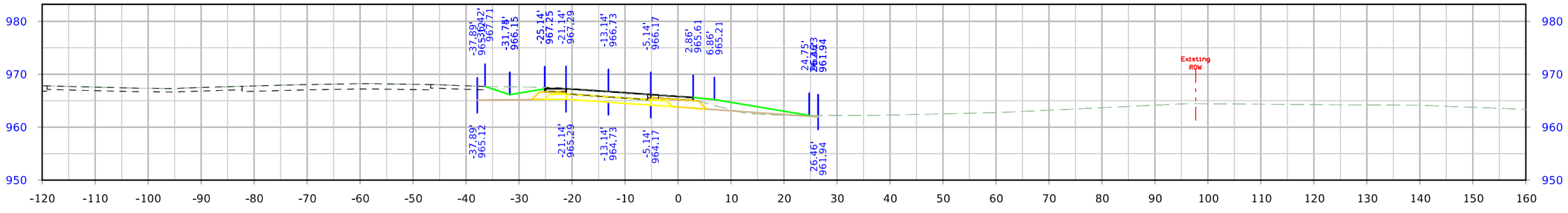
I-80/35 Ramp D



STA. 4316+00.00



STA. 4315+50.00



STA. 4315+36.25

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.1

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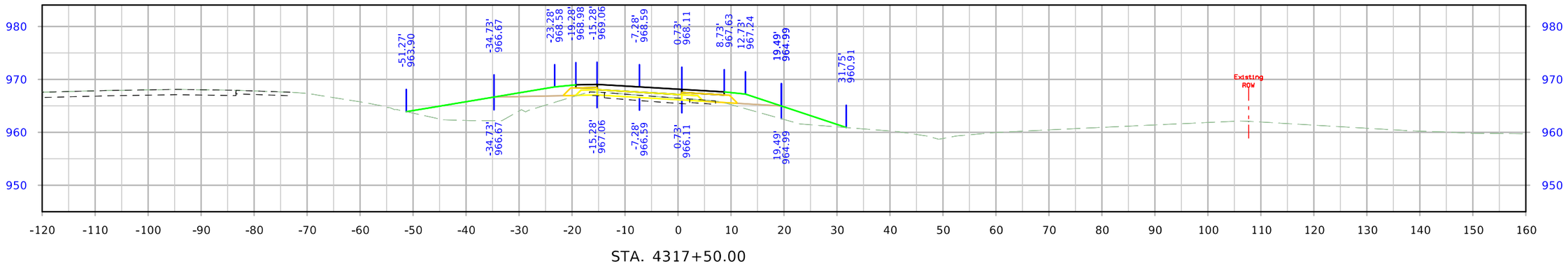
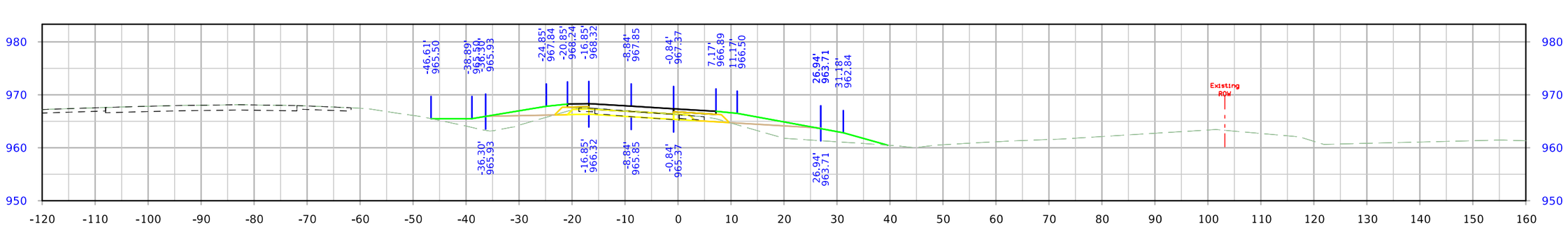
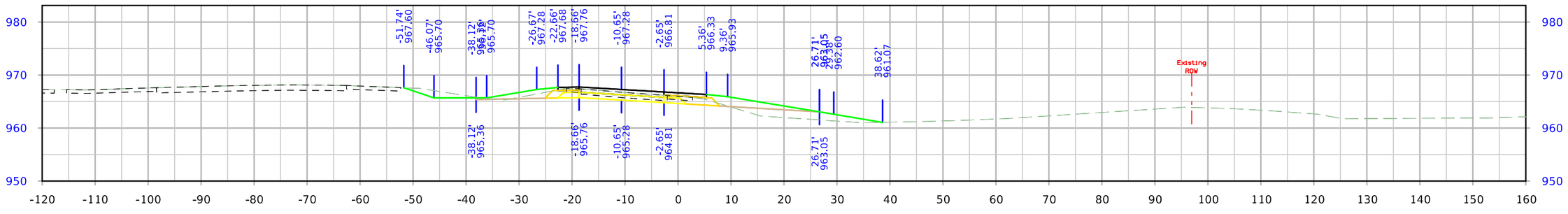
I-80/35 Ramp D



STA. 4317+50.00



STA. 4317+00.00

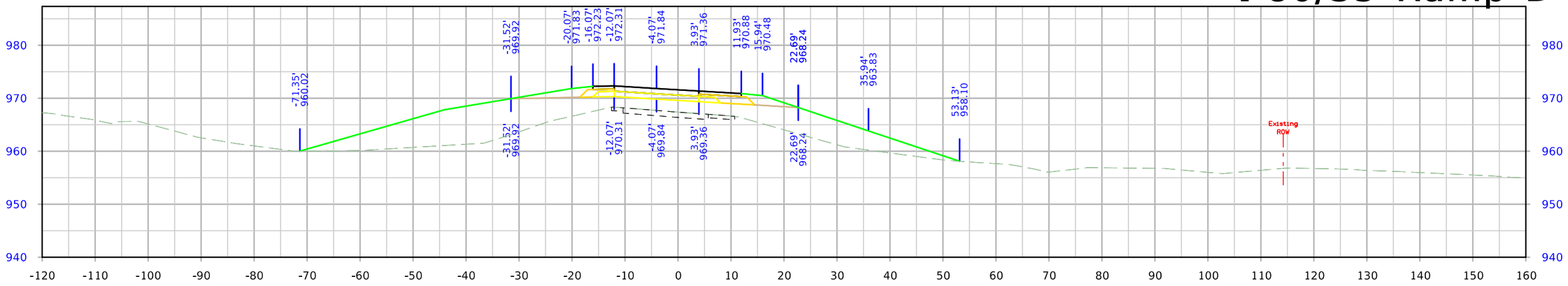


STA. 4316+50.00

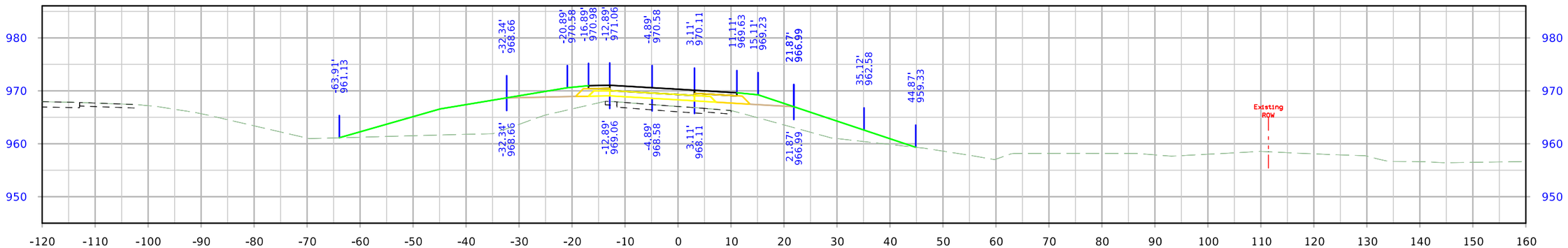
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.2

4:57:59 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y01_77035455_Z08.dgn

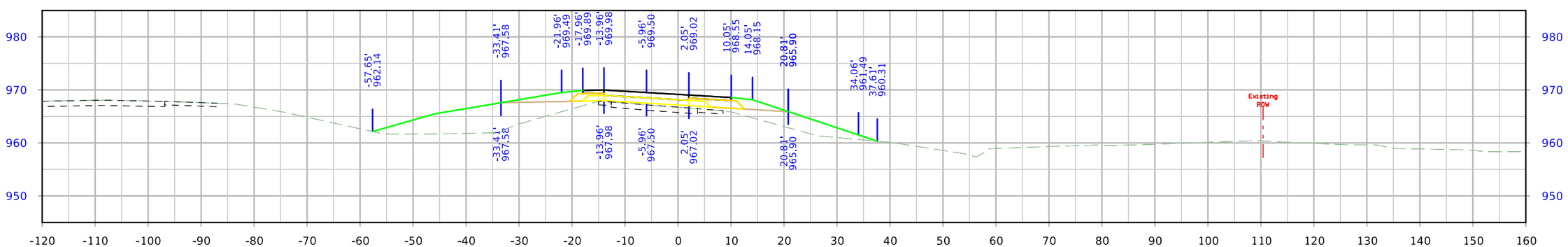
I-80/35 Ramp D



STA. 4319+00.00



STA. 4318+50.00

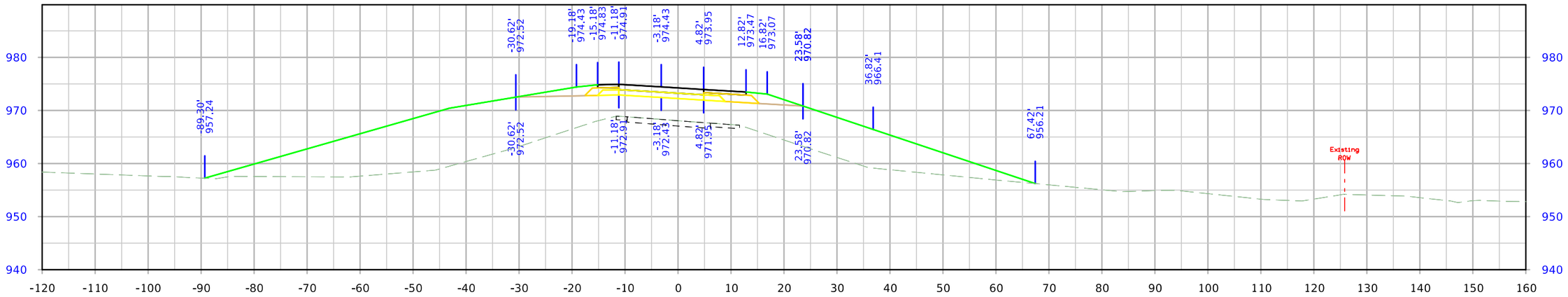


STA. 4318+00.00

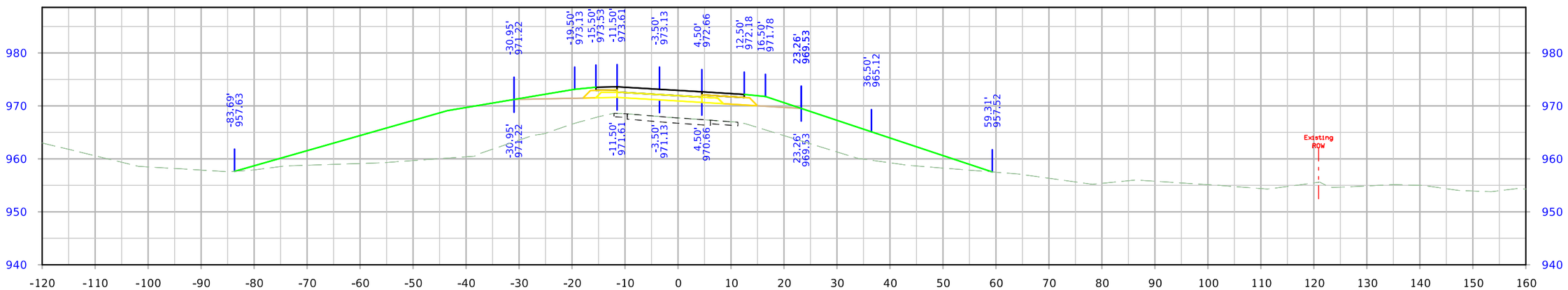
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.3

4:58:02 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y01_77035455_Z08.dgn

I-80/35 Ramp D



STA. 4320+00.00

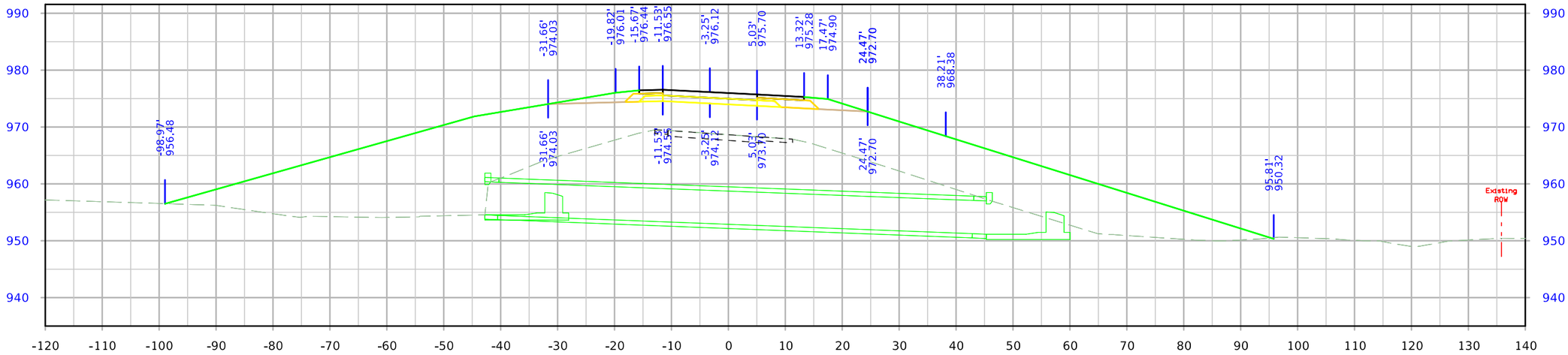


STA. 4319+50.00

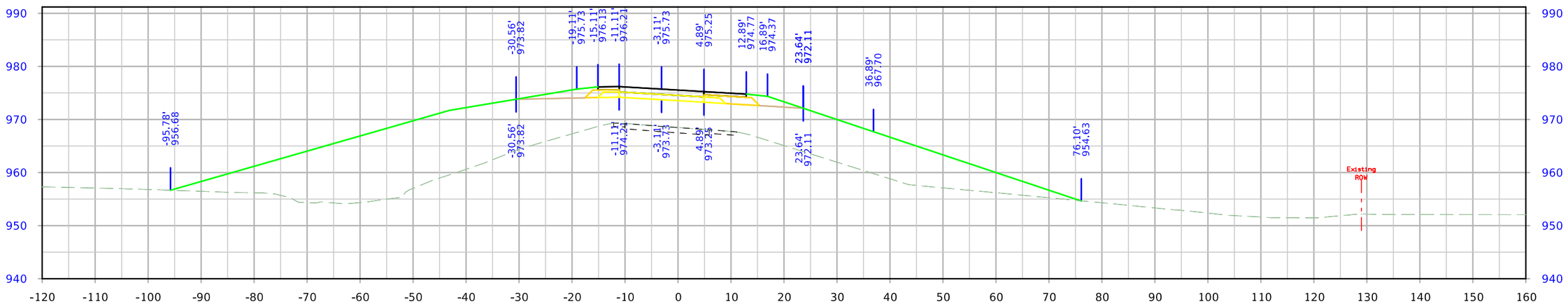
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.4	

4:58:04 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y01_77035455_Z08.dgn

I-80/35 Ramp D



STA. 4320+66.16



STA. 4320+50.00

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.5	

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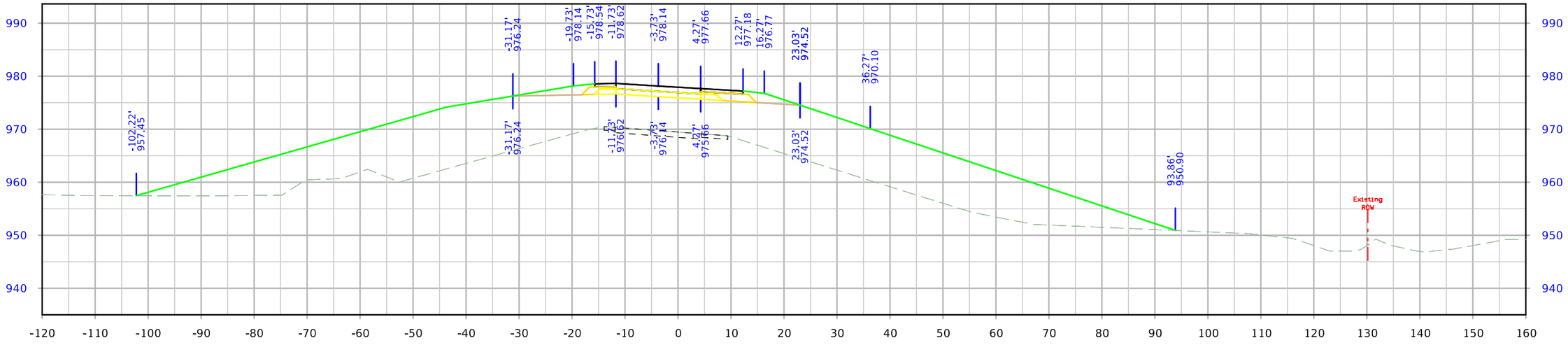
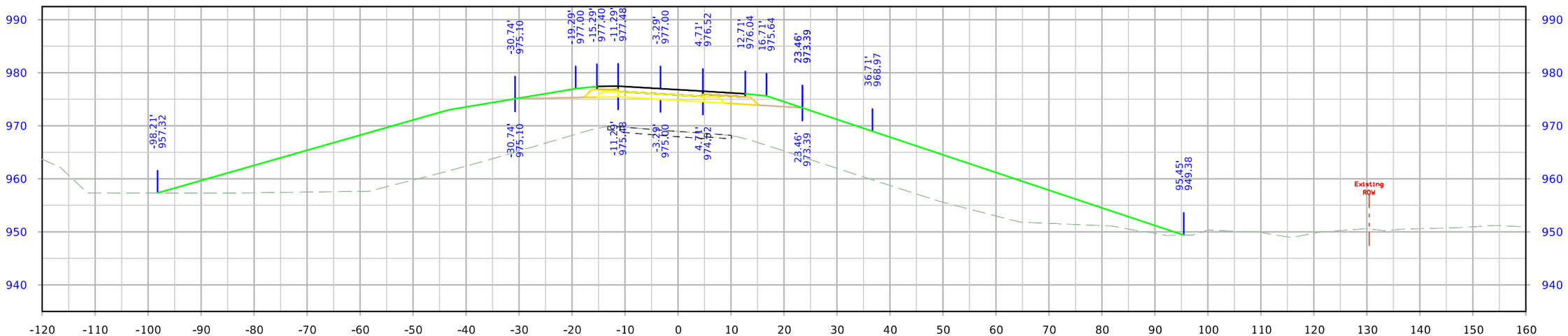
I-80/35 Ramp D



STA. 4321+50.00

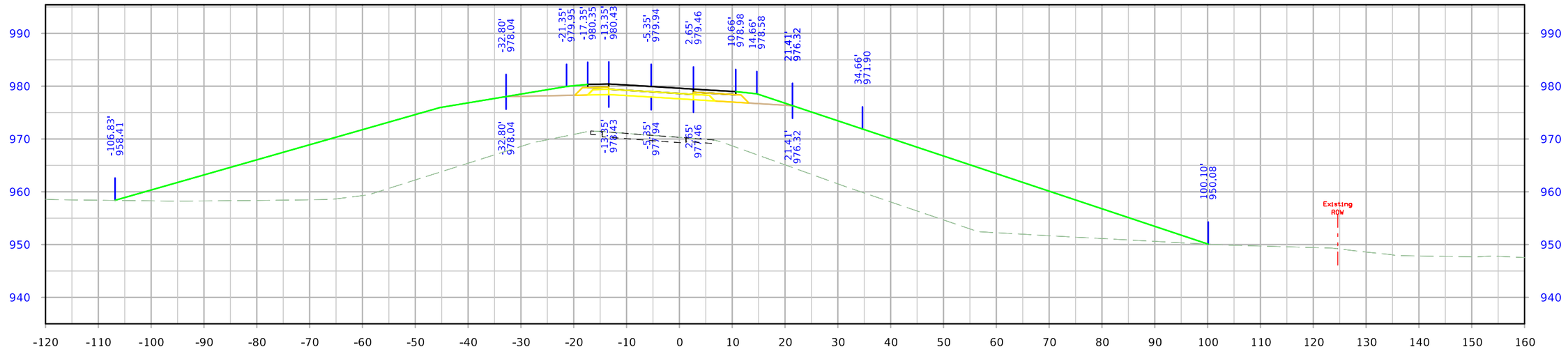


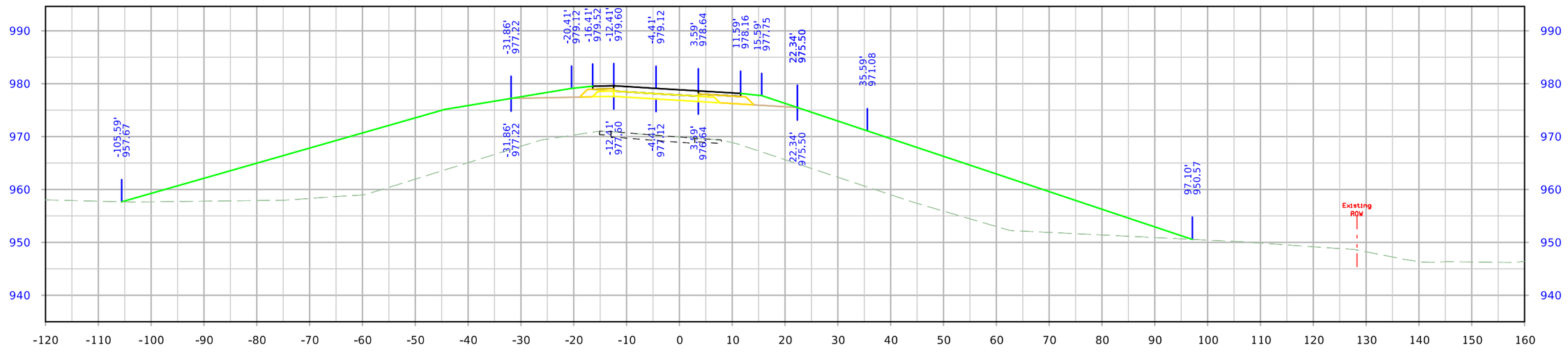
STA. 4321+00.00

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.6

4:58:08 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y01_77035455_Z08.dgn

I-80/35 Ramp D





FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.7

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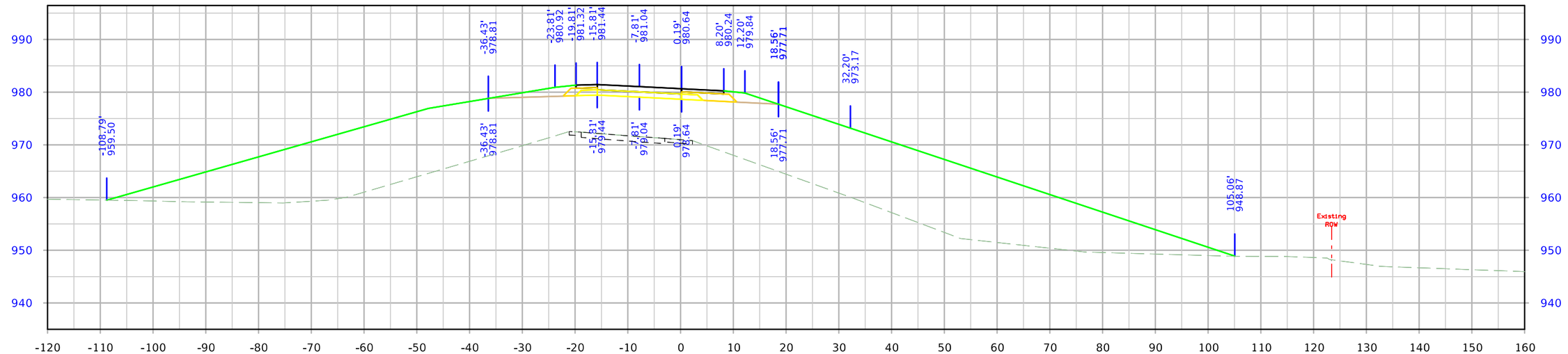
I-80/35 Ramp D



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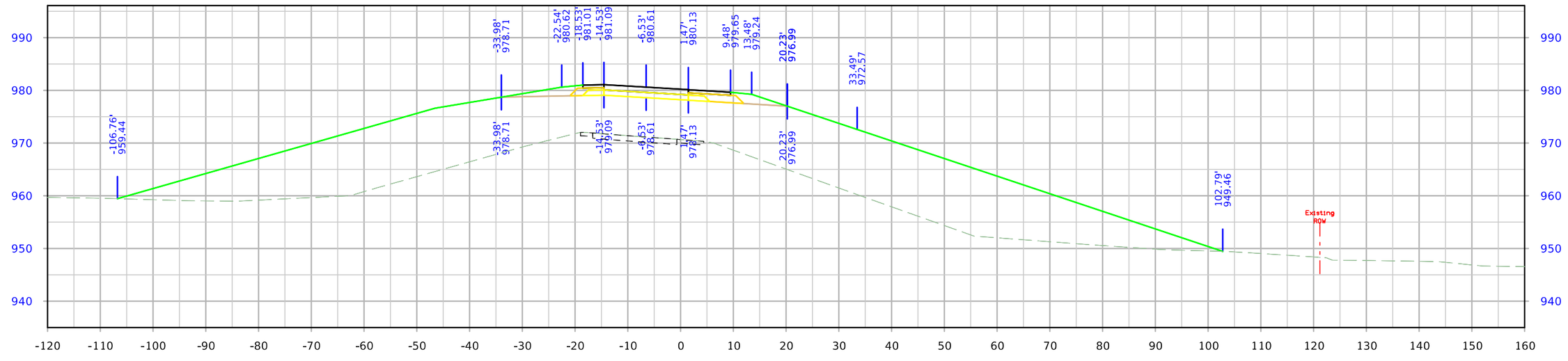

STA. 4323+00.00

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.8

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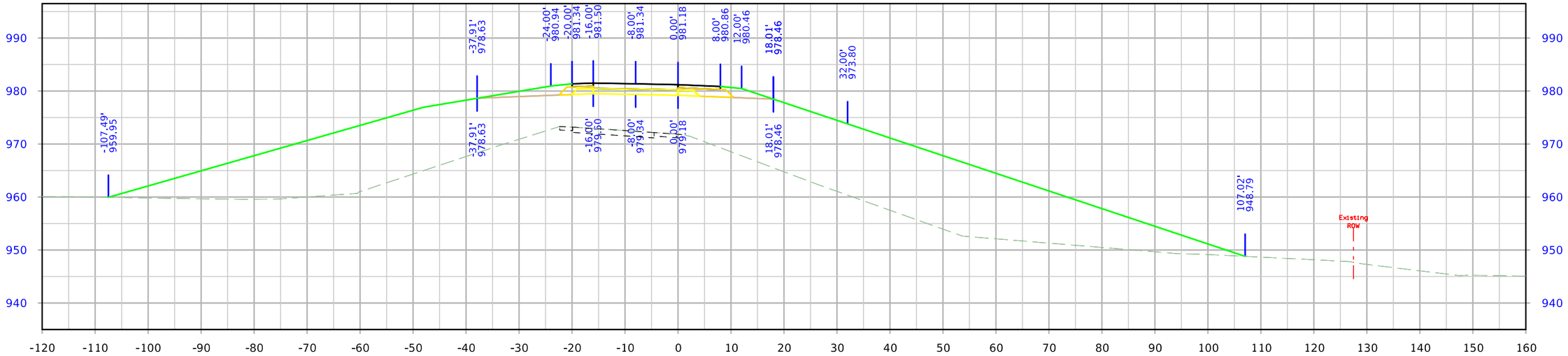
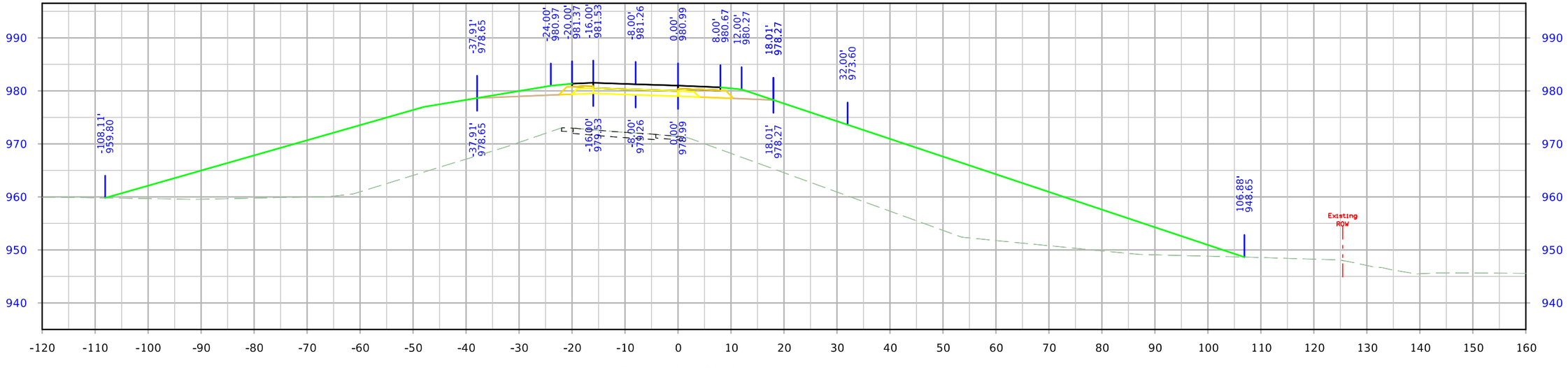
I-80/35 Ramp D



STA. 4324+50.00



STA. 4324+00.00

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.9

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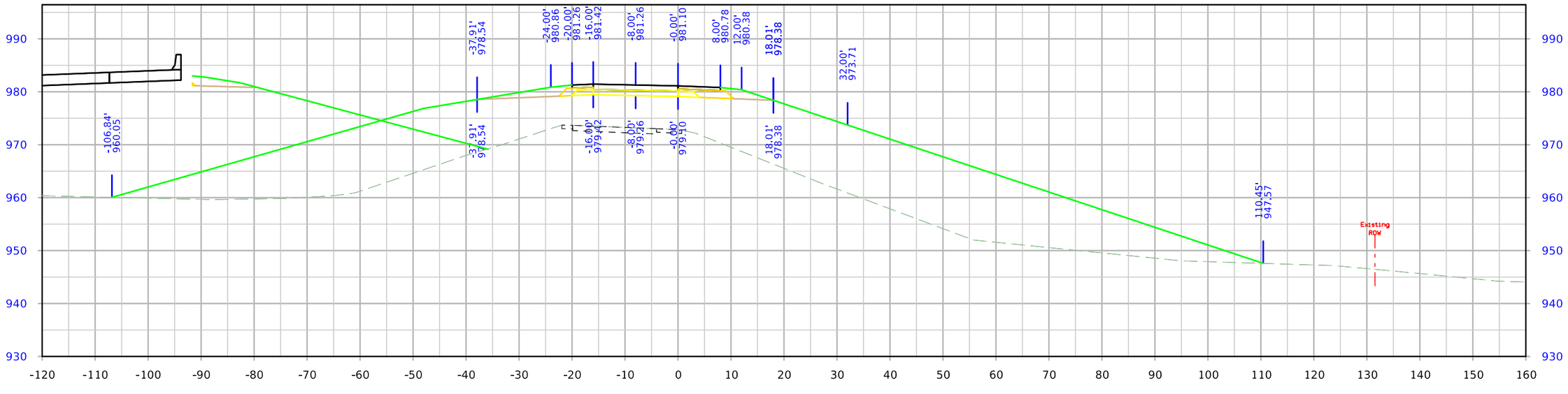
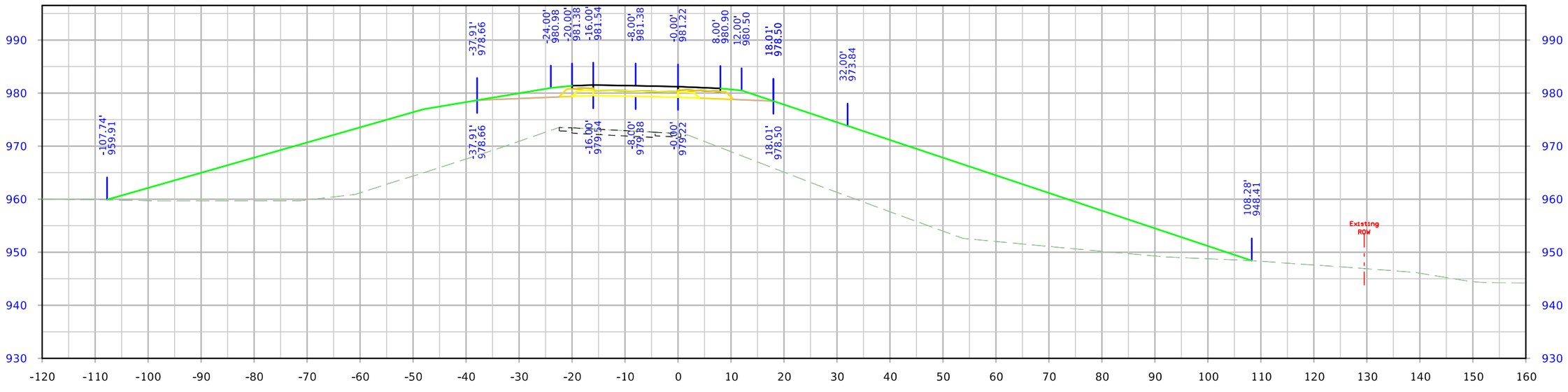
I-80/35 Ramp D



STA. 4325+50.00



STA. 4325+00.00

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.10

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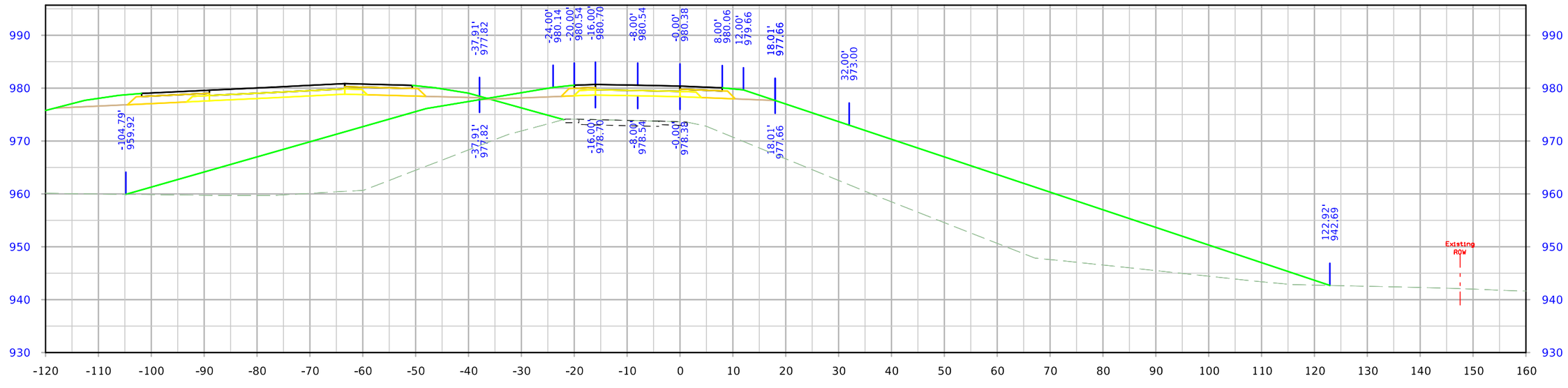
I-80/35 Ramp D



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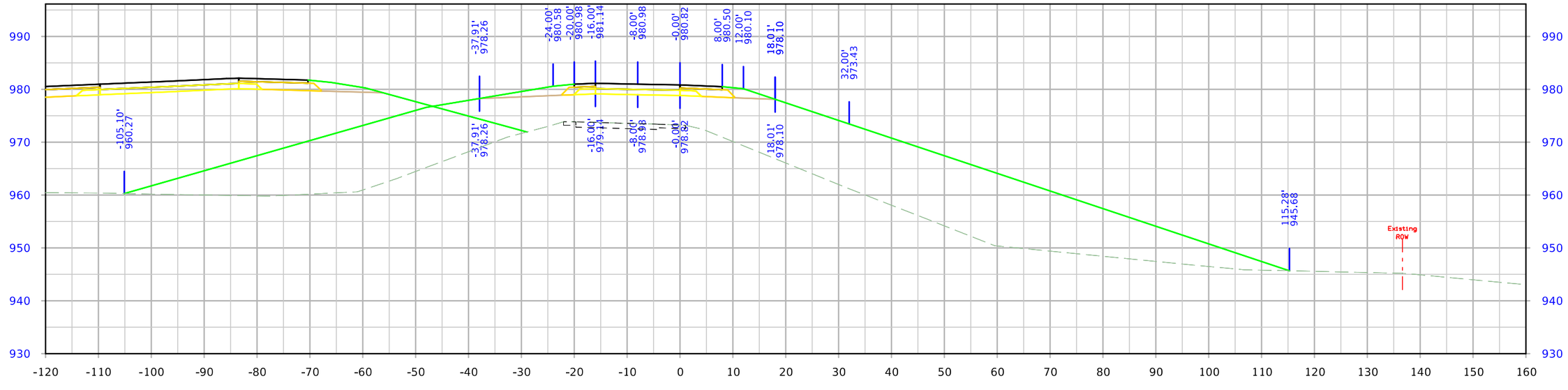

STA. 4326+00.00

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.11

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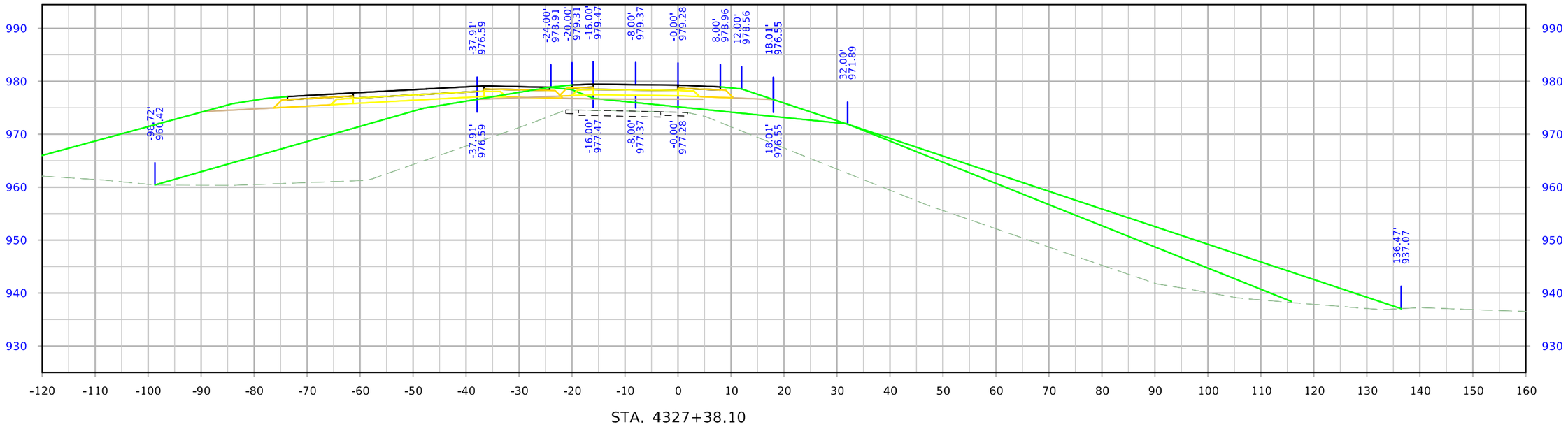
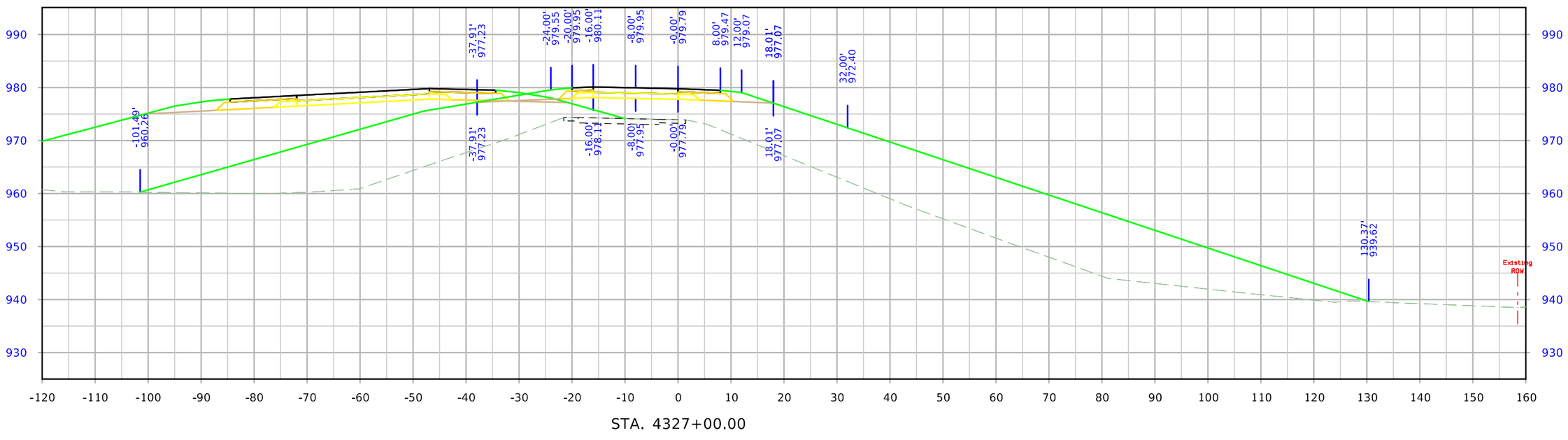
I-80/35 Ramp D





FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.12

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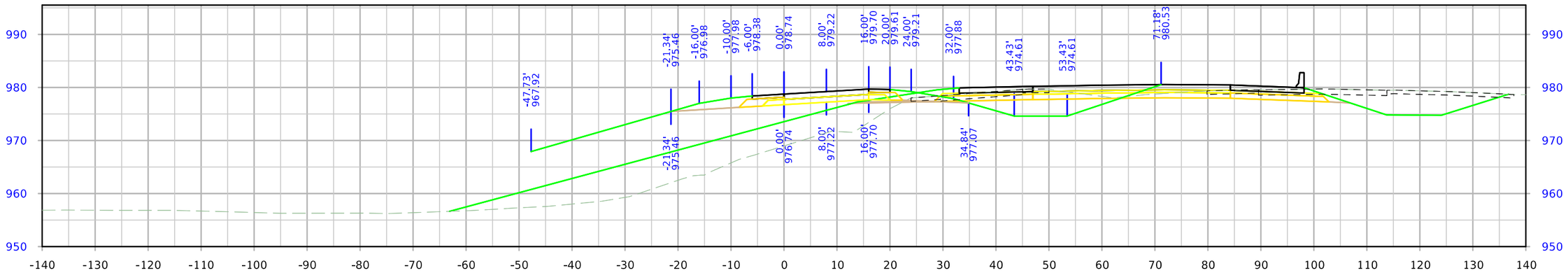
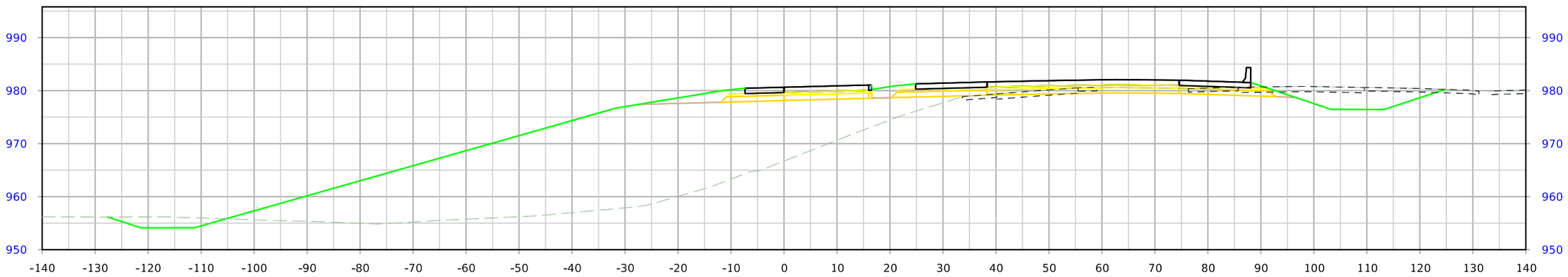
I-80/35 Ramp E



STA. 5332+00.00



STA. 5331+60.42

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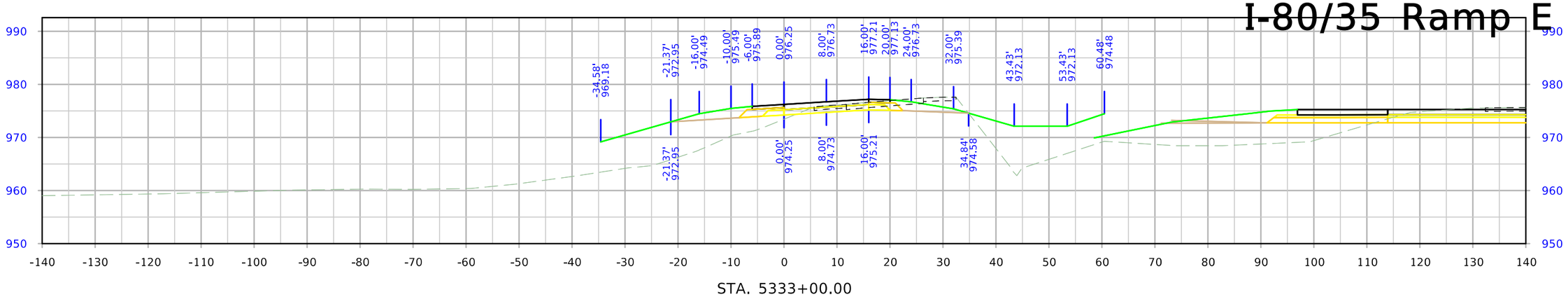
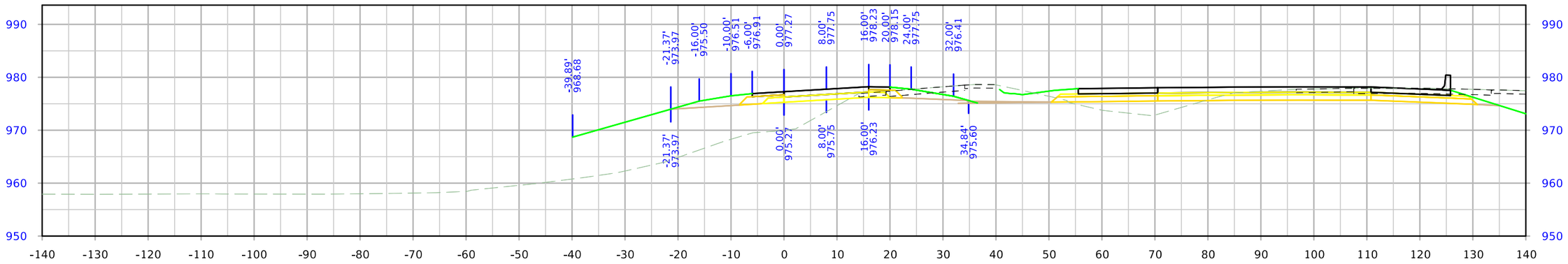
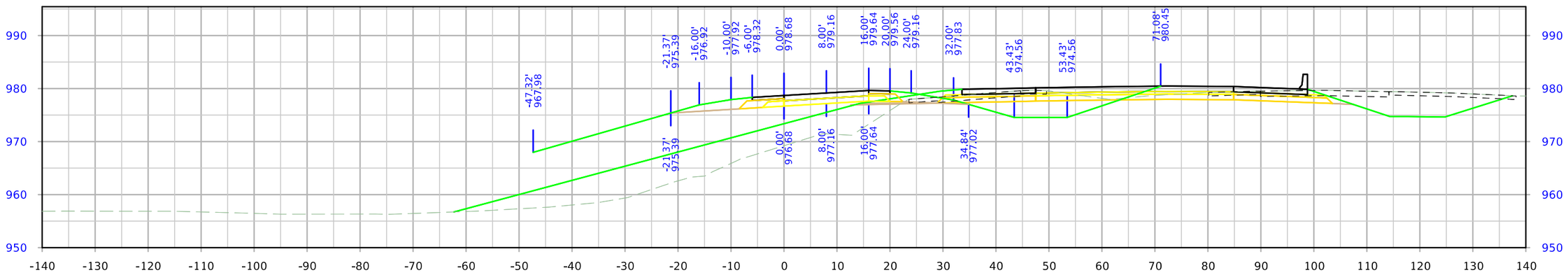
I-80/35 Ramp E



STA. 5333+00.00



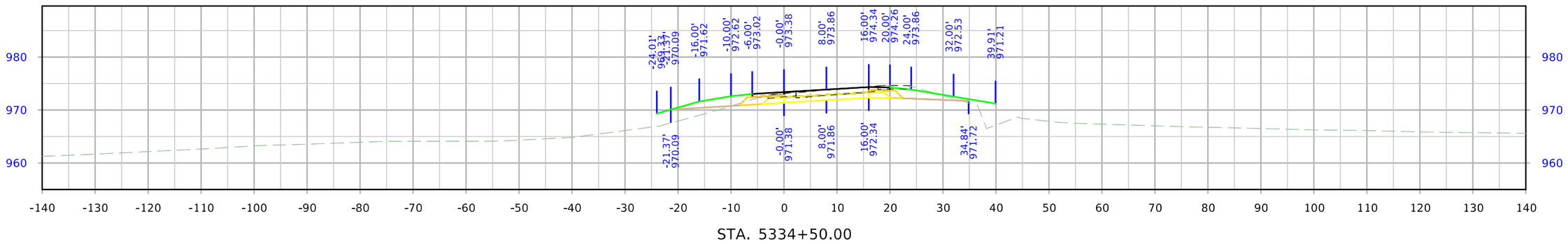
STA. 5332+50.00



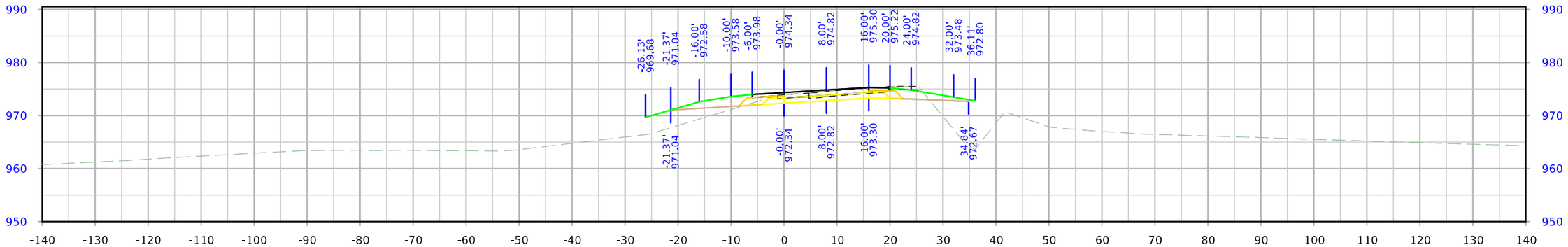
STA. 5332+01.69

FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.14	

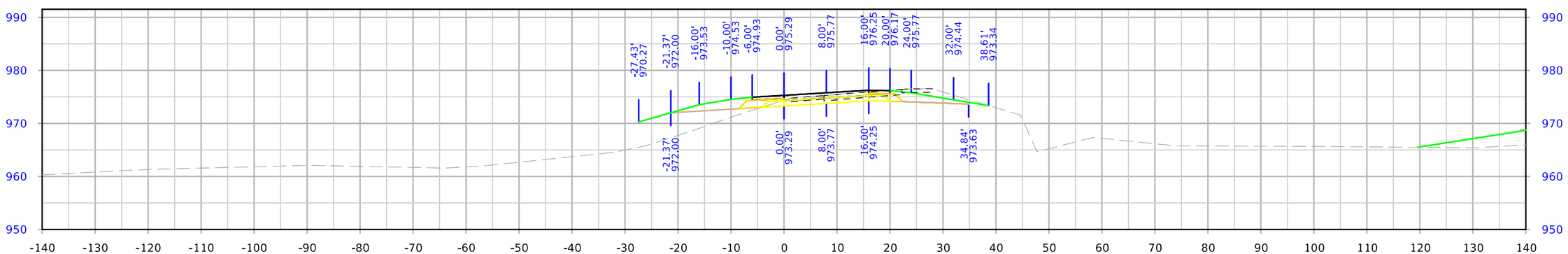
I-80/35 Ramp E



STA. 5334+50.00



STA. 5334+00.00



STA. 5333+50.00

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.15

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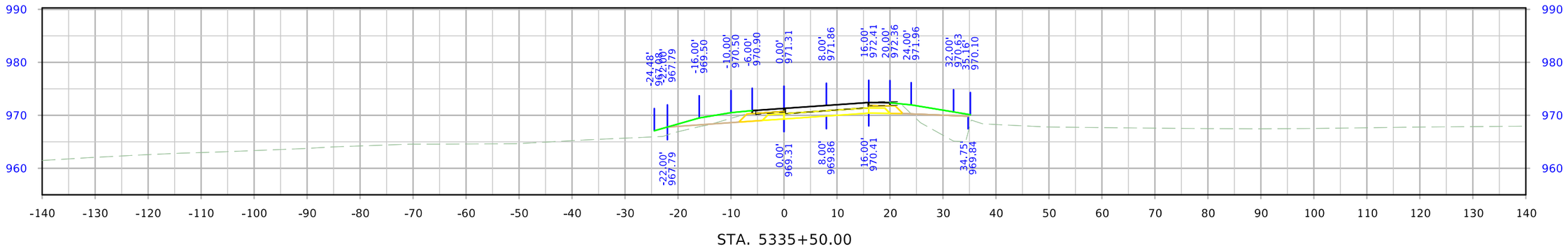
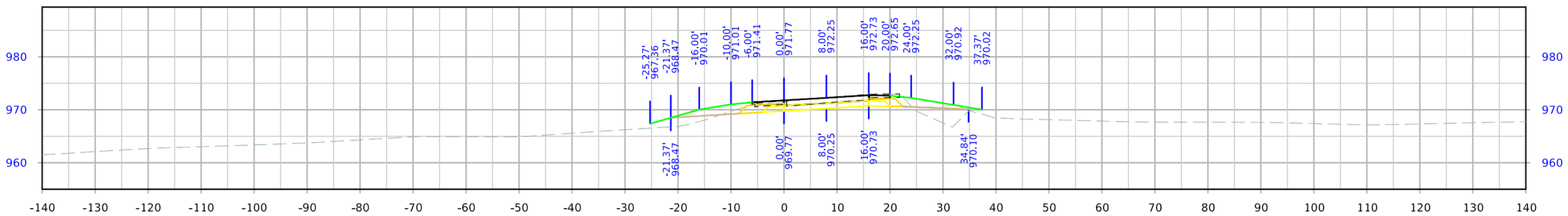
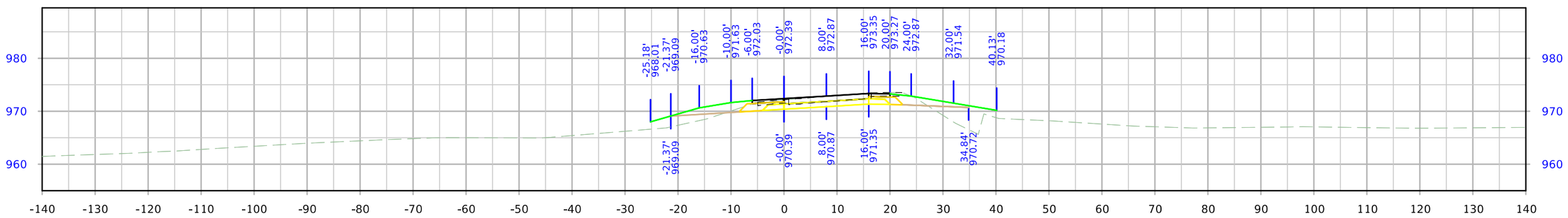
I-80/35 Ramp E



STA. 5335+50.00



STA. 5335+29.24



STA. 5335+00.00

FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.16

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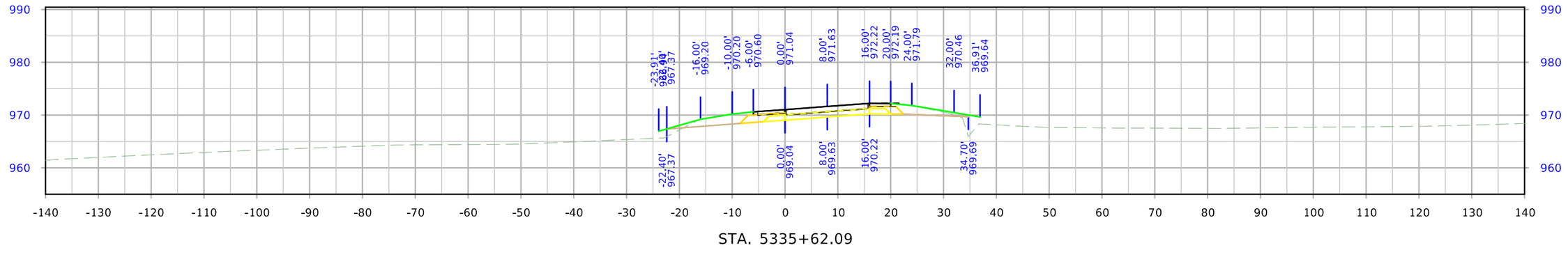
I-80/35 Ramp E

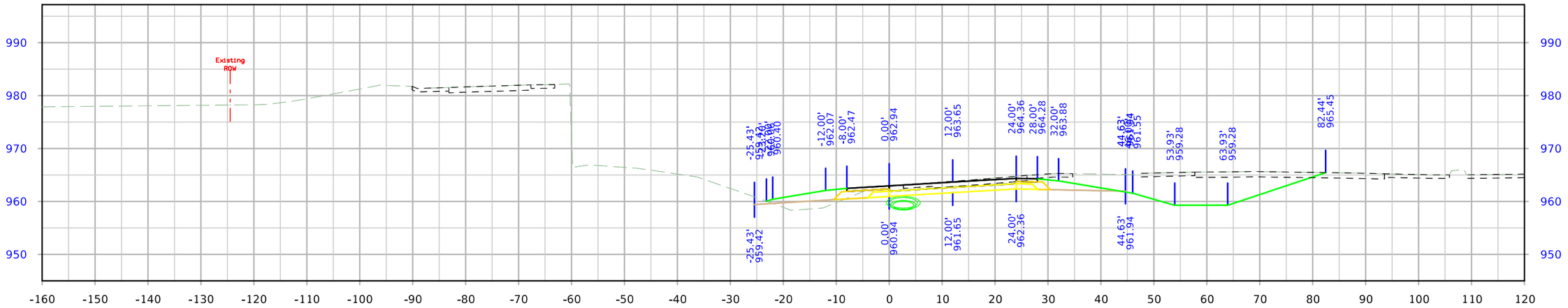


STA. 5335+62.09

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.17

4:58:43 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y02_77035455_Z08.dgn

I-80/35 Ramp F



STA. 6003+50.00

STA. 6003+03.80

FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.18

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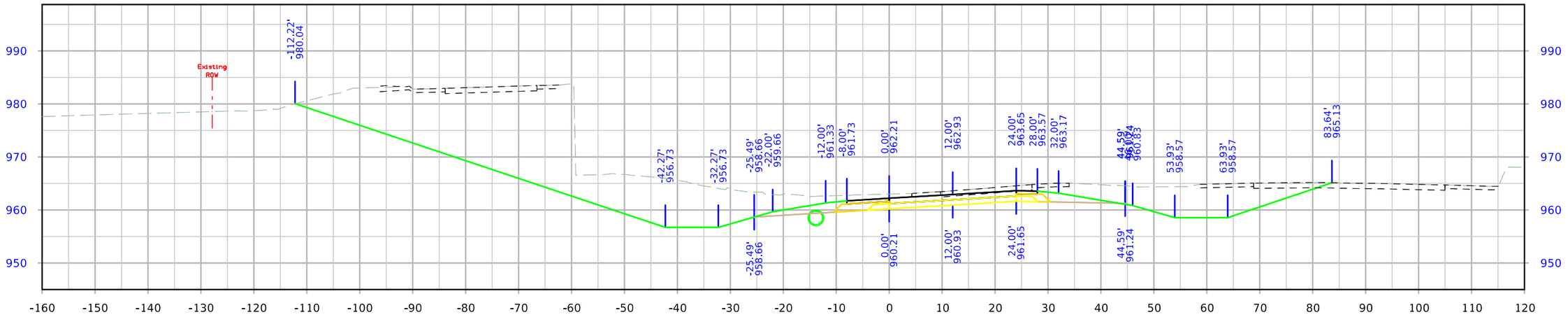
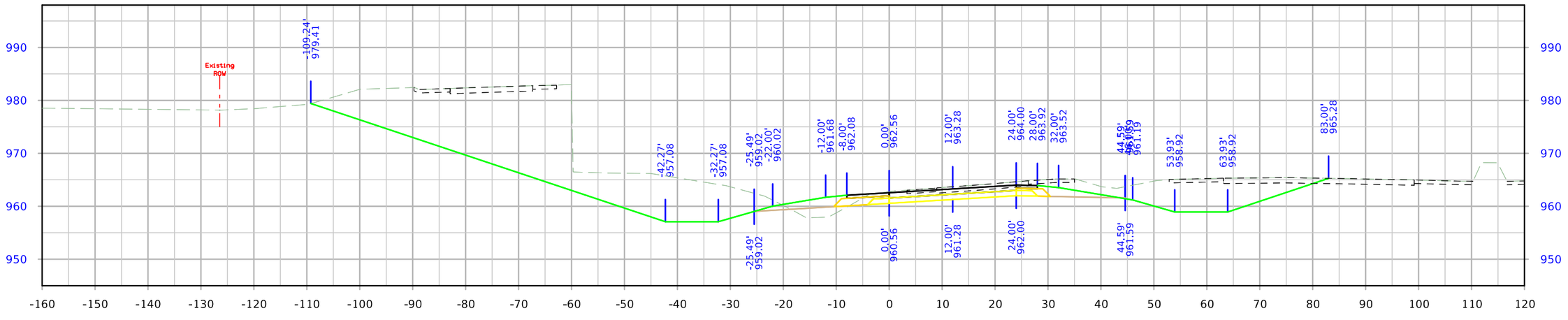
I-80/35 Ramp F



STA. 6004+00.00

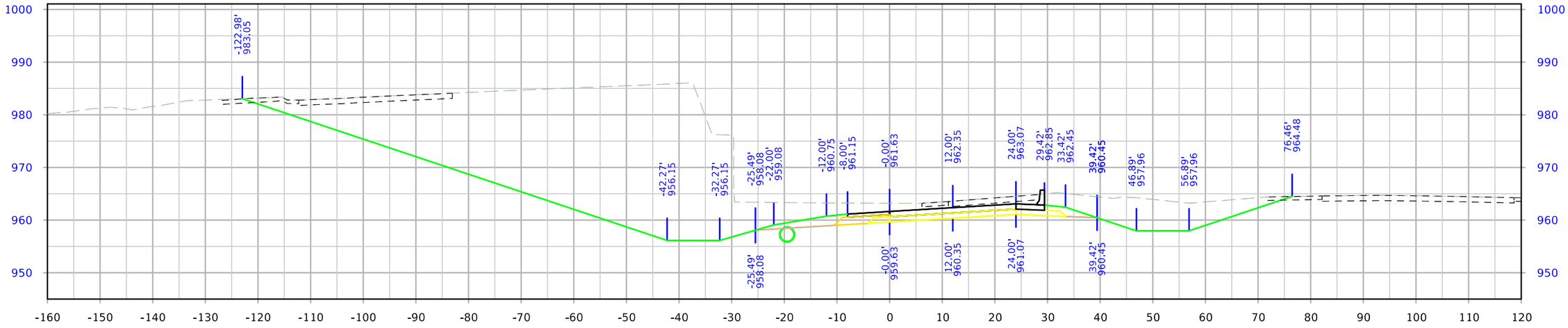


STA. 6003+75.77

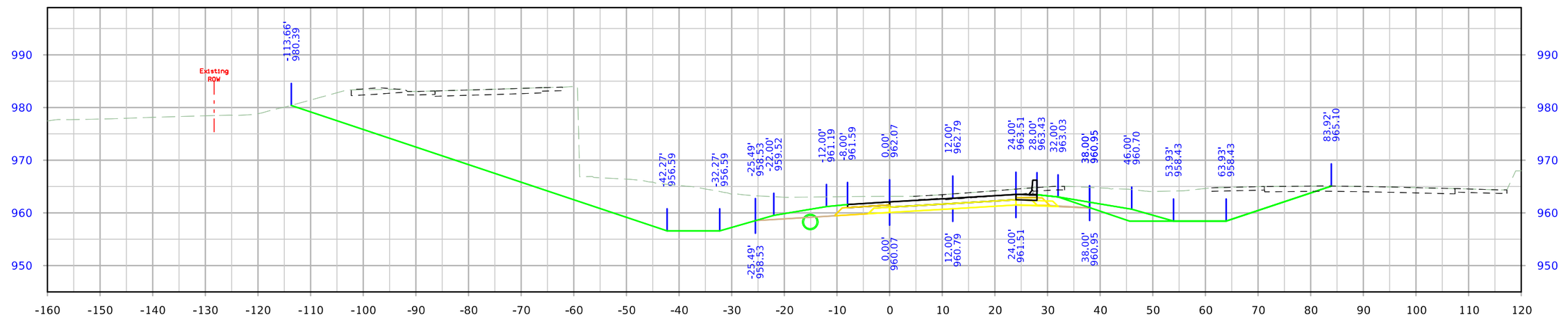
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.19

4:58:55 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y03_77035455_Z08.dgn

I-80/35 Ramp F



STA. 6004+50.00

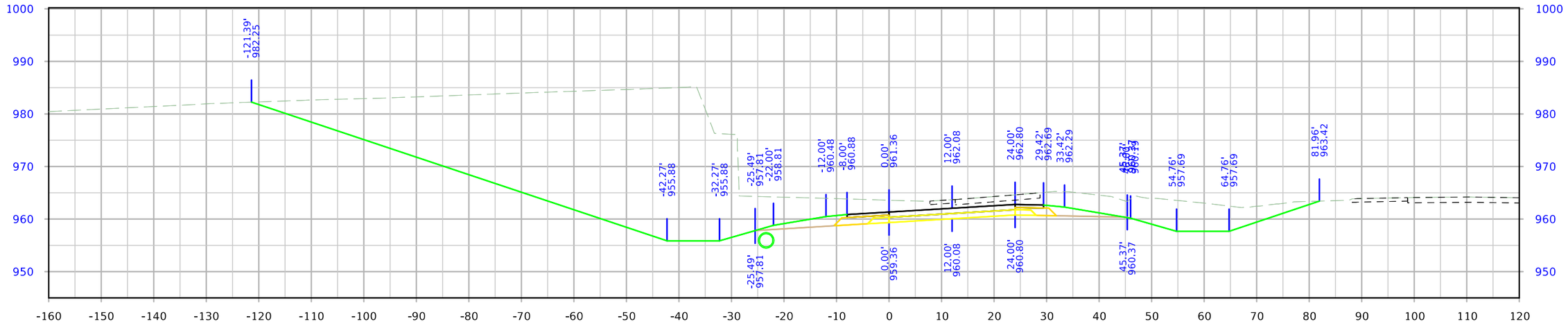


STA. 6004+09.55

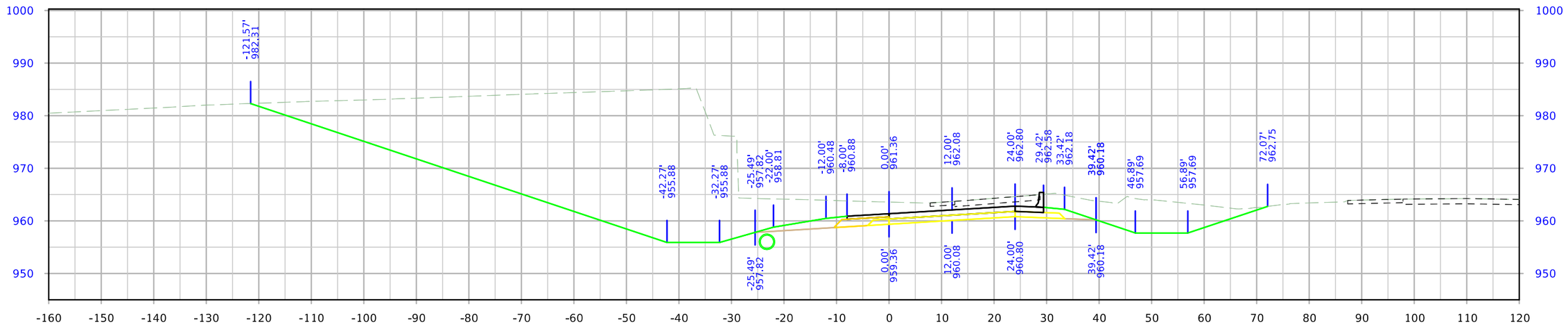
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.20

4:58:57 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y03_77035455_Z08.dgn

I-80/35 Ramp F



STA. 6005+02.58

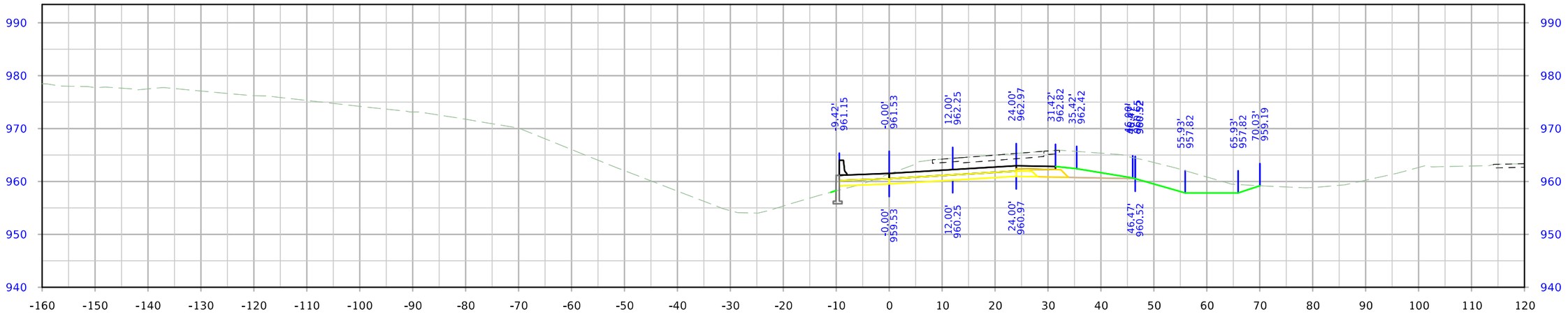


STA. 6005+00.00

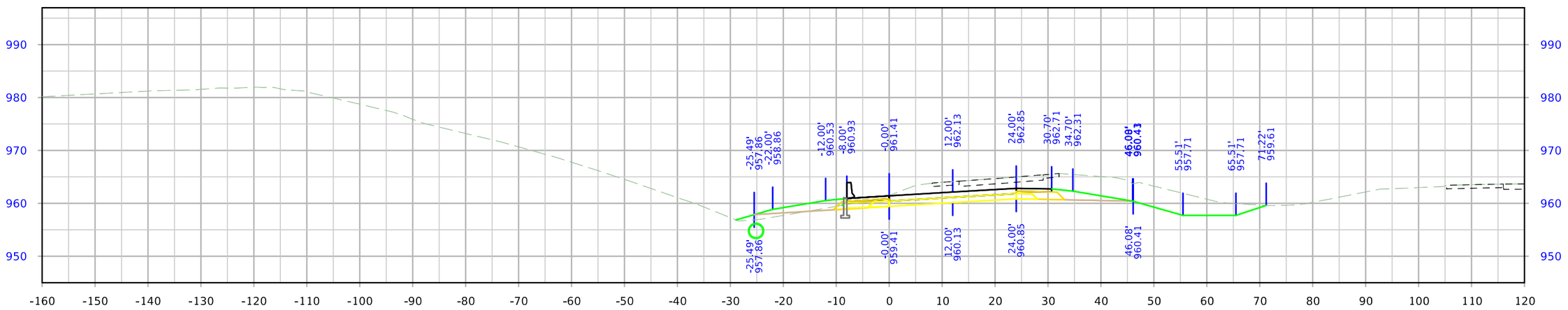
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.21

4:58:59 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y03_77035455_Z08.dgn

I-80/35 Ramp F



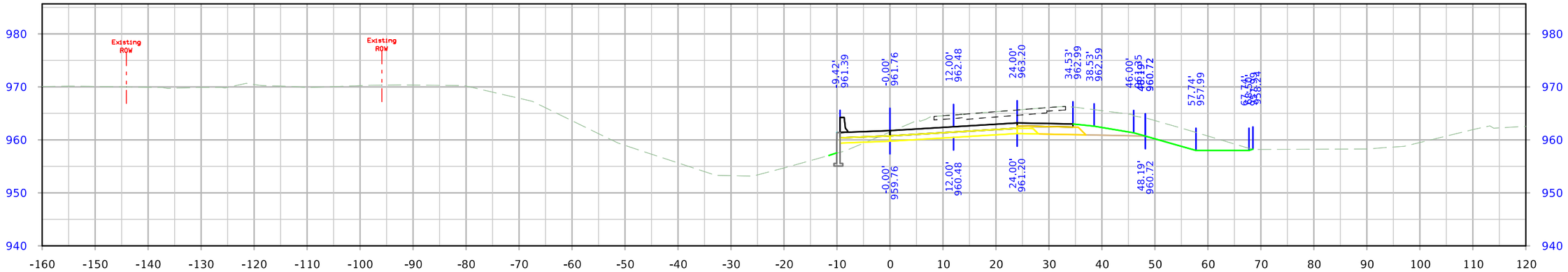
STA. 6005+72.14



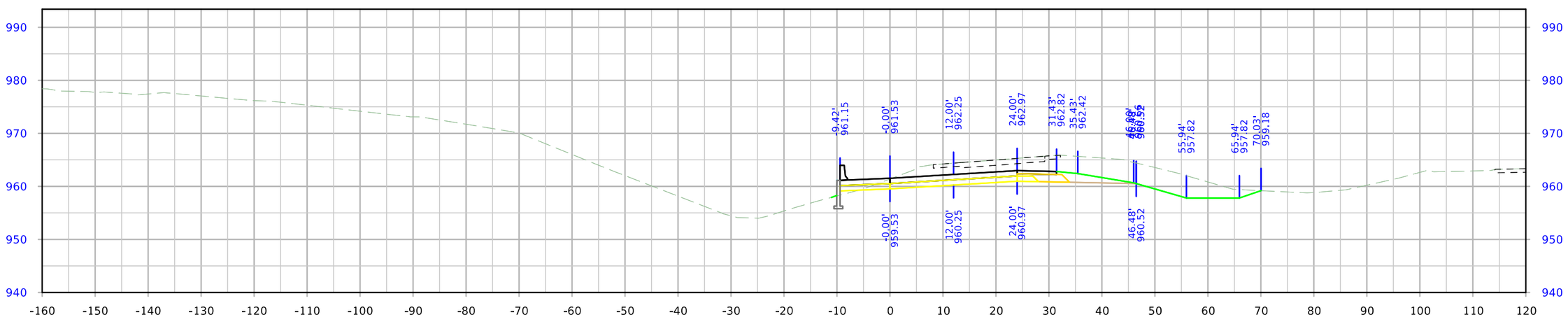
STA. 6005+50.00

FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.22

I-80/35 Ramp F



STA. 6006+00.00

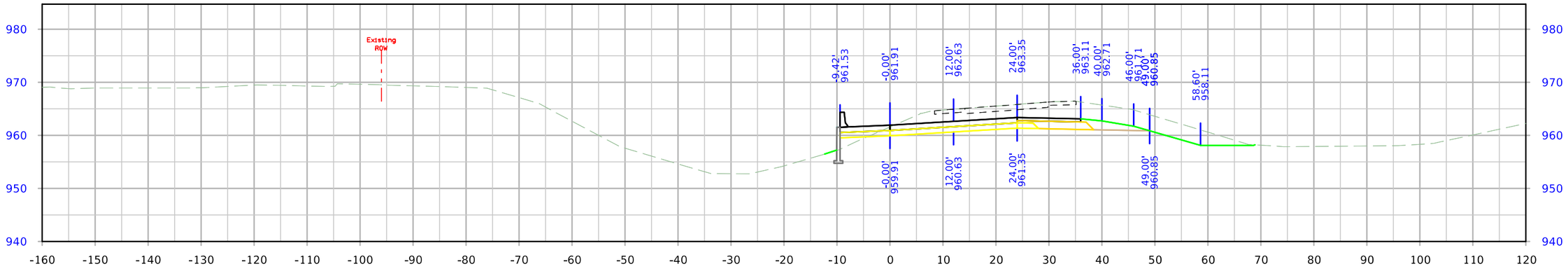


STA. 6005+72.30

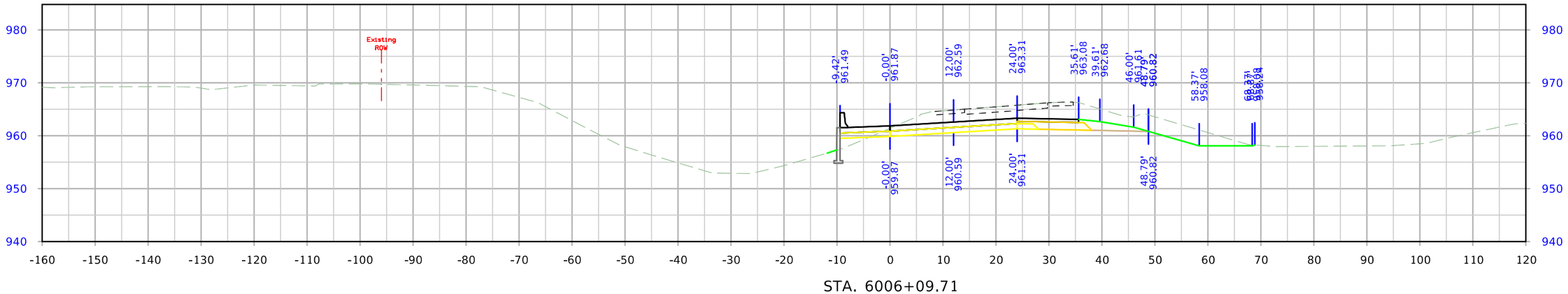
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.23

4:59:03 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y03_77035455_Z08.dgn

I-80/35 Ramp F



STA. 6006+13.18



STA. 6006+09.71

FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.24

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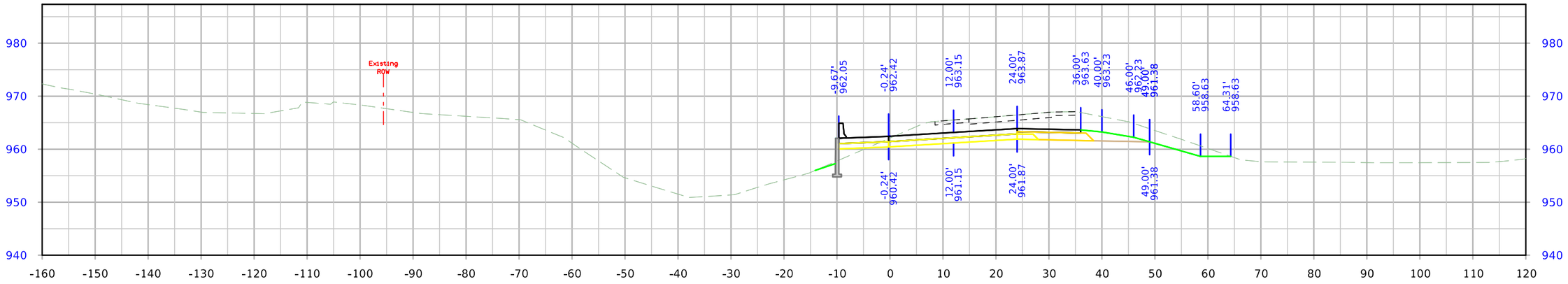
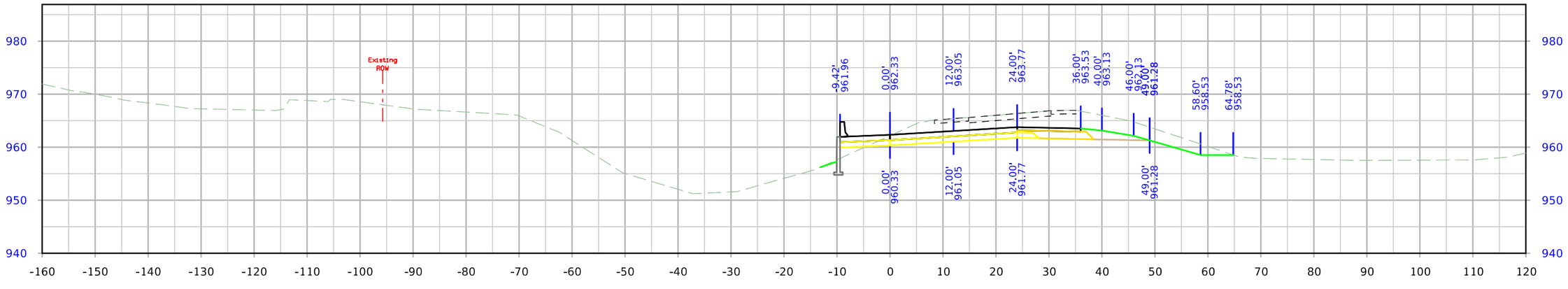
I-80/35 Ramp F



STA. 6006+50.00

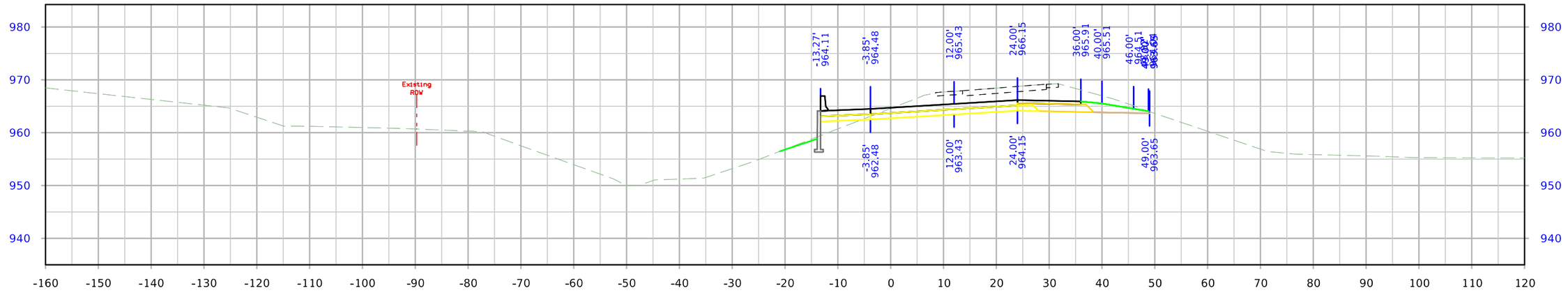


STA. 6006+43.89

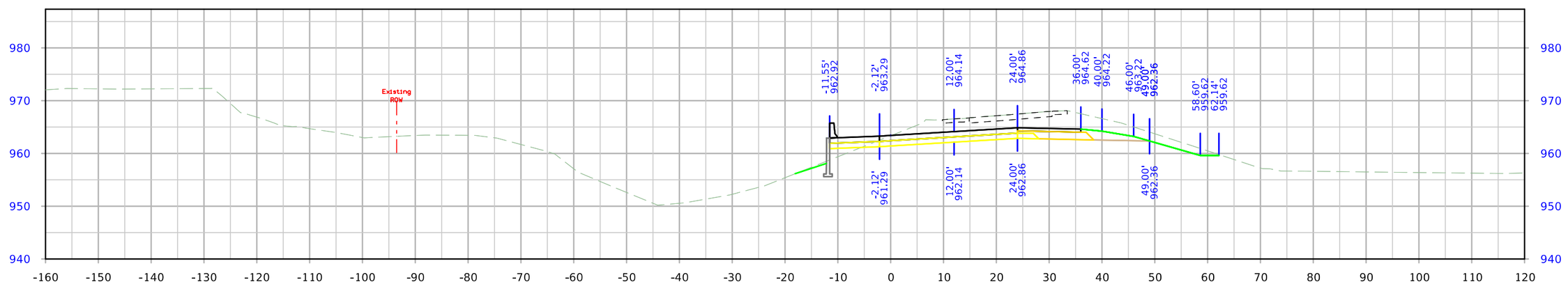
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.25

4:59:09 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y03_77035455_Z08.dgn

I-80/35 Ramp F



STA. 6007+50.00



STA. 6007+00.00

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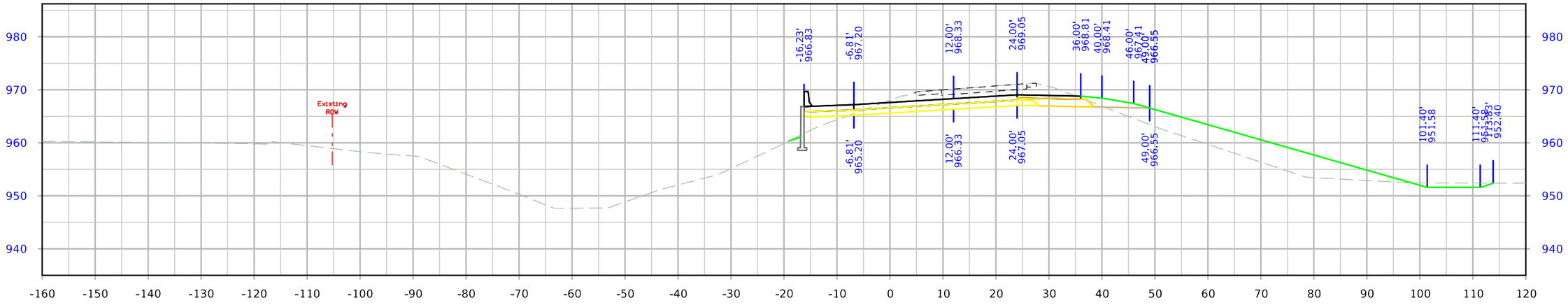
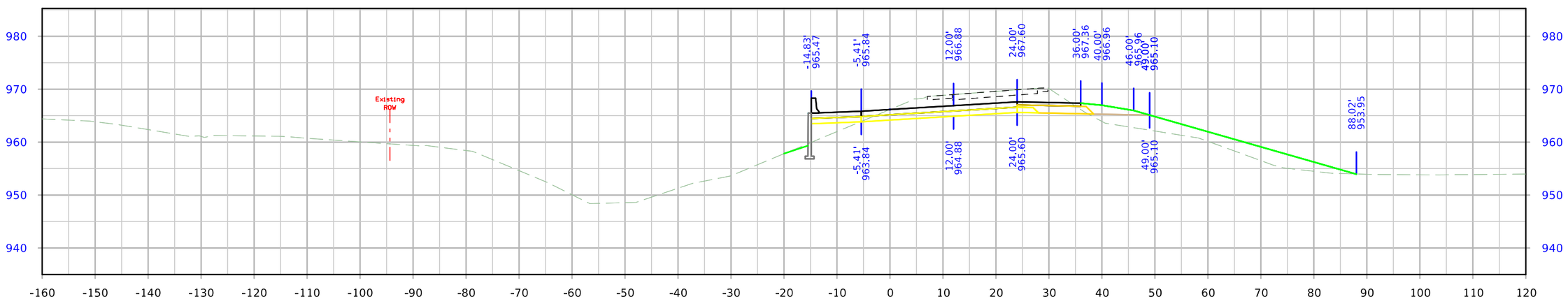
I-80/35 Ramp F



STA. 6008+50.00



STA. 6008+00.00

FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.27

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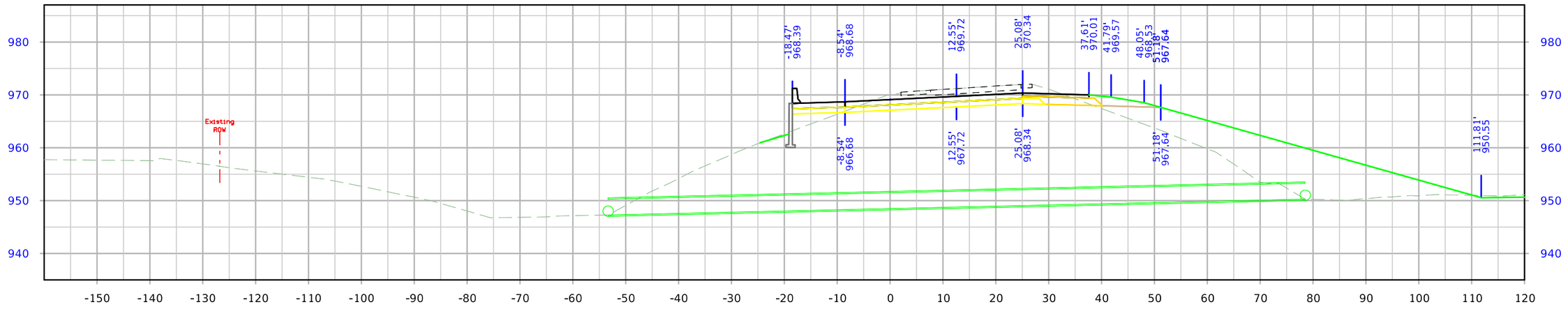
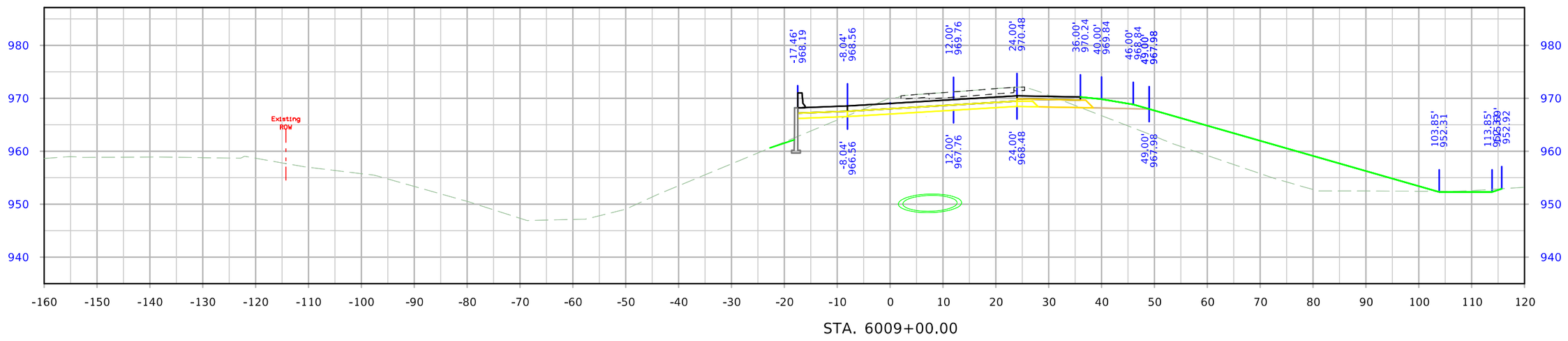
I-80/35 Ramp F



STA. 6009+02.31



STA. 6009+00.00

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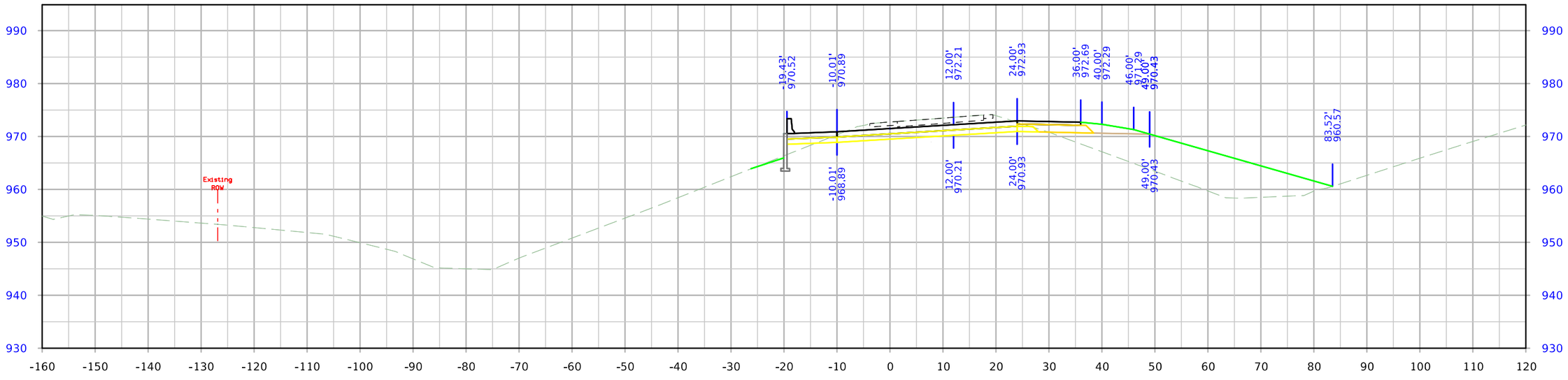
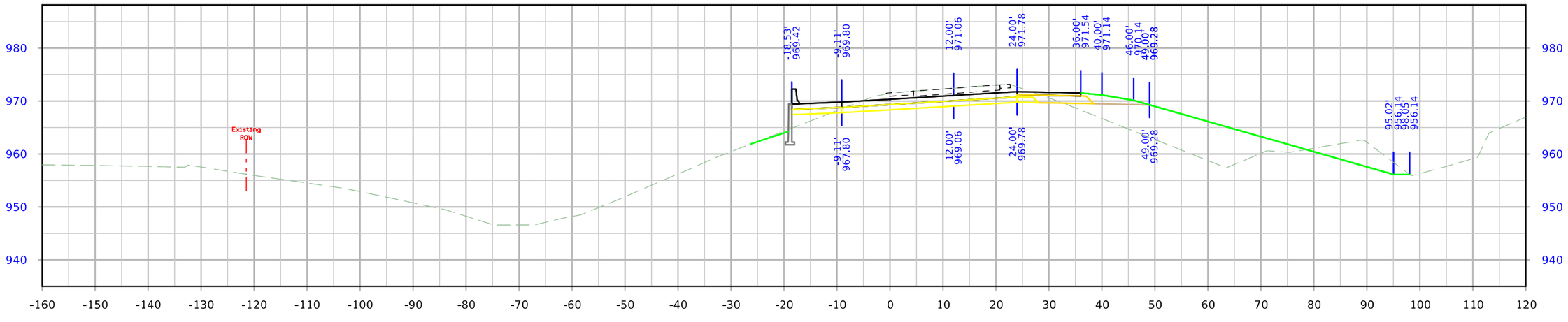
I-80/35 Ramp F



STA. 6010+00.00

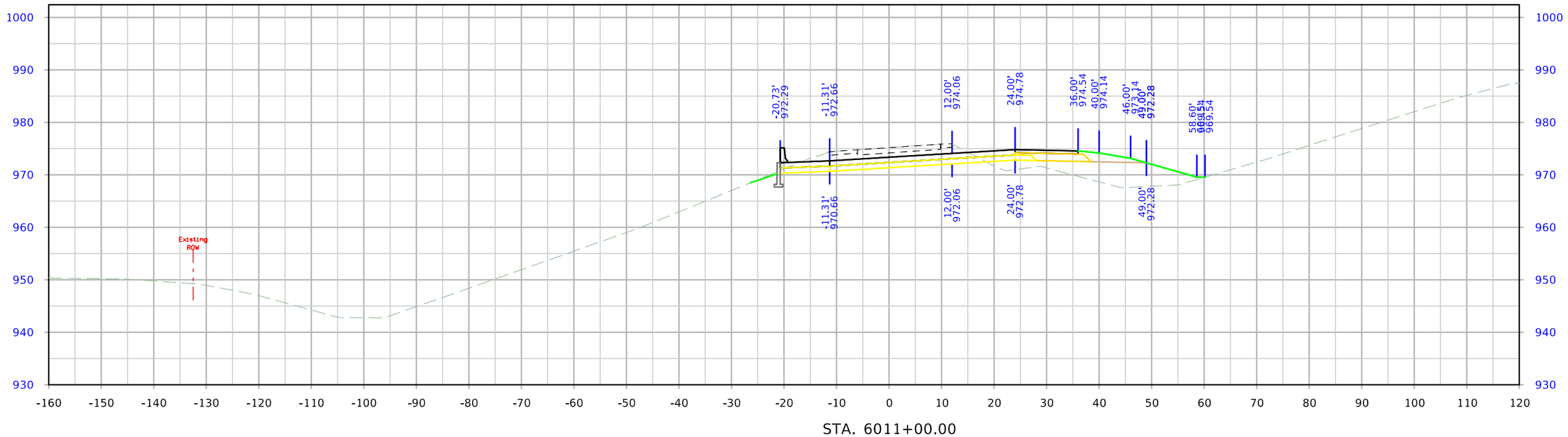


STA. 6009+50.00

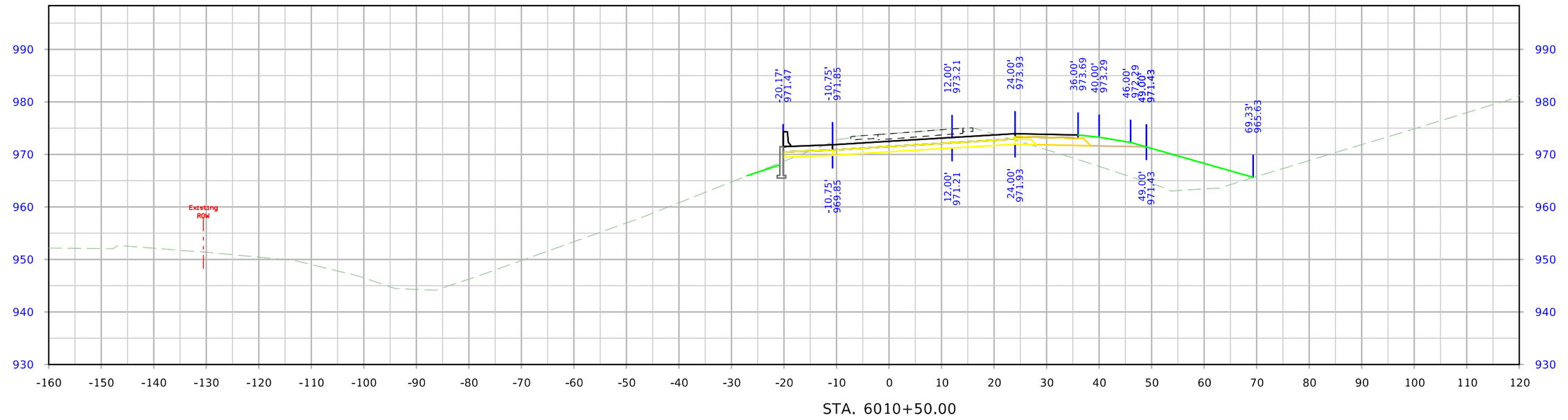
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.29

4:59:19 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y03_77035455_Z08.dgn

I-80/35 Ramp F



STA. 6011+00.00



STA. 6010+50.00

FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.30

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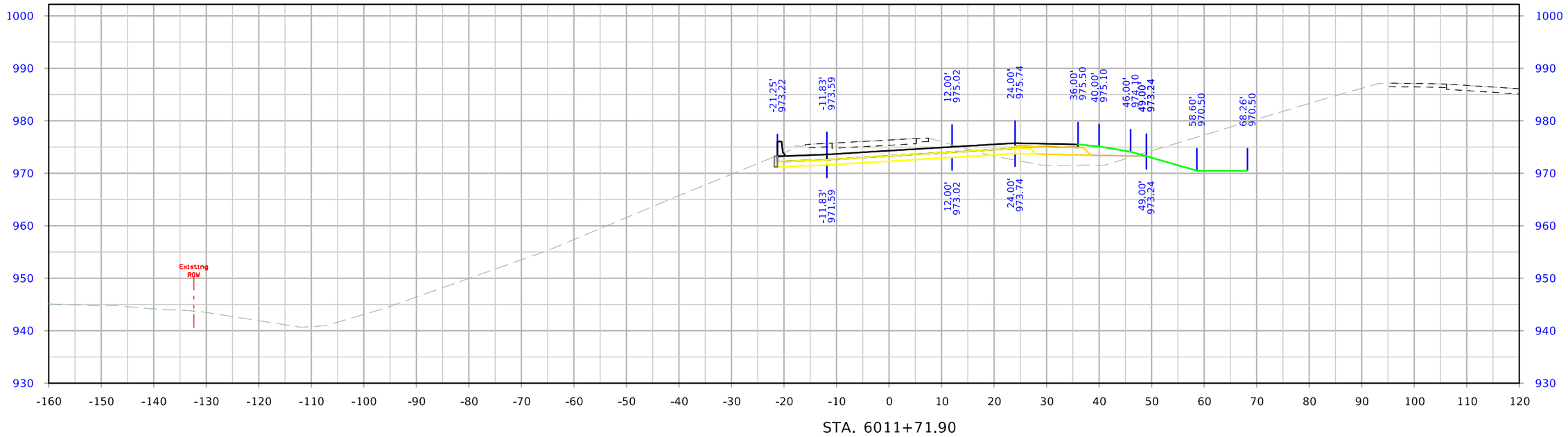
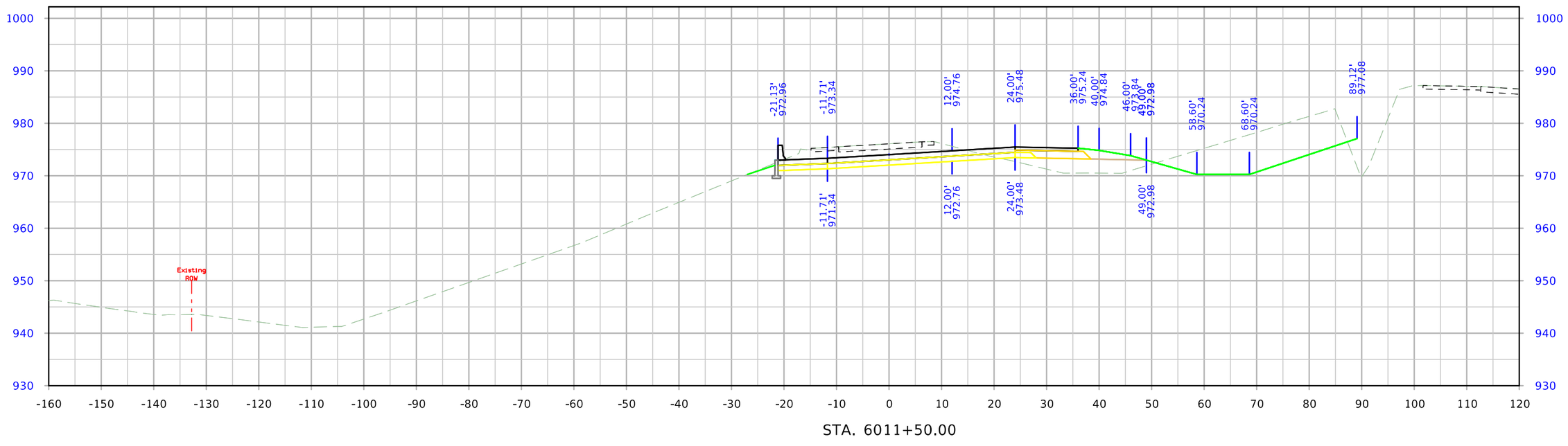
I-80/35 Ramp F





FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.31

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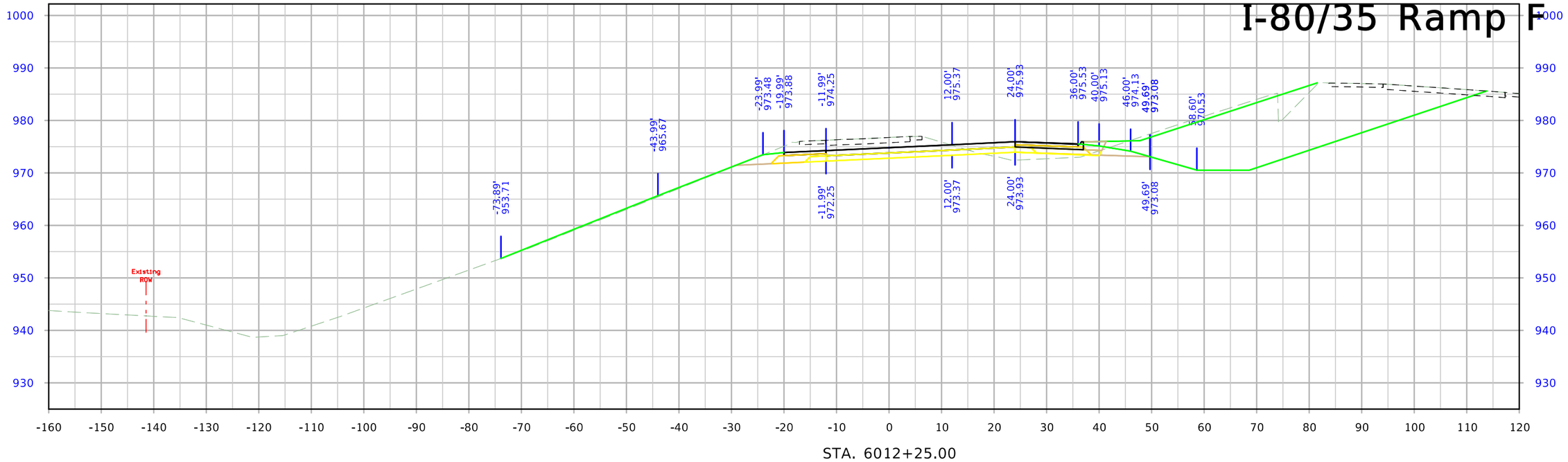
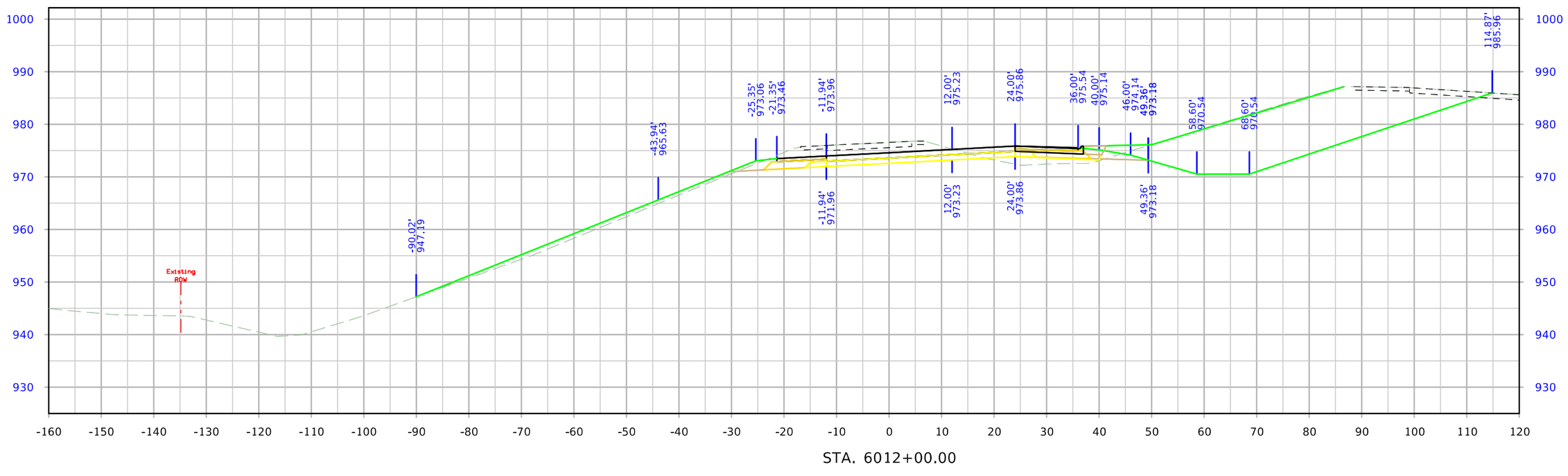
I-80/35 Ramp F





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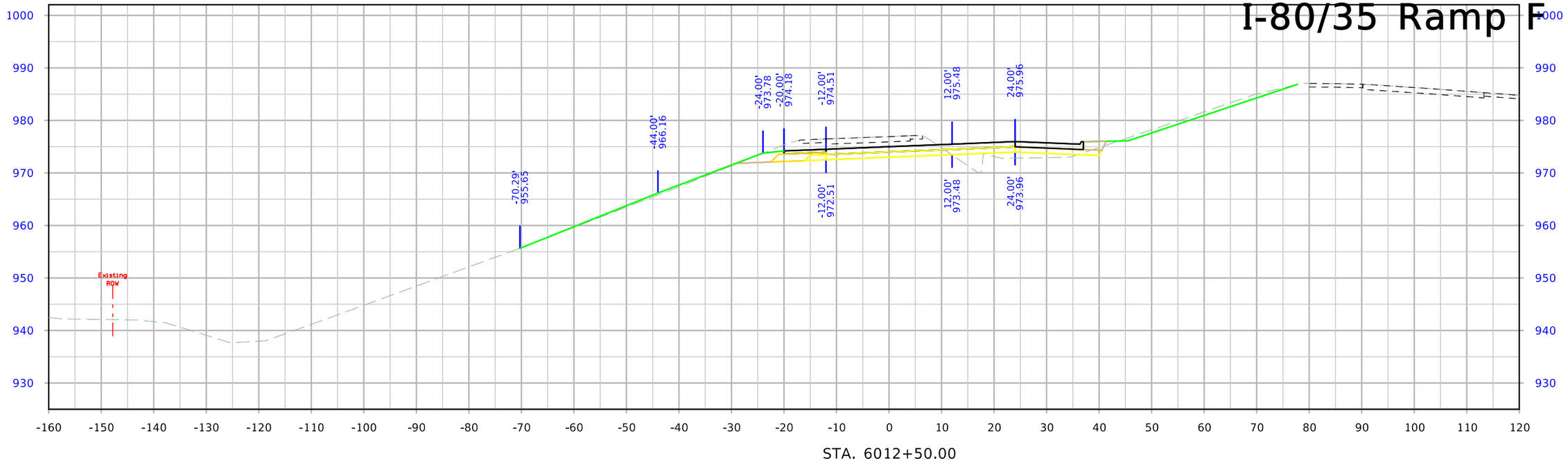
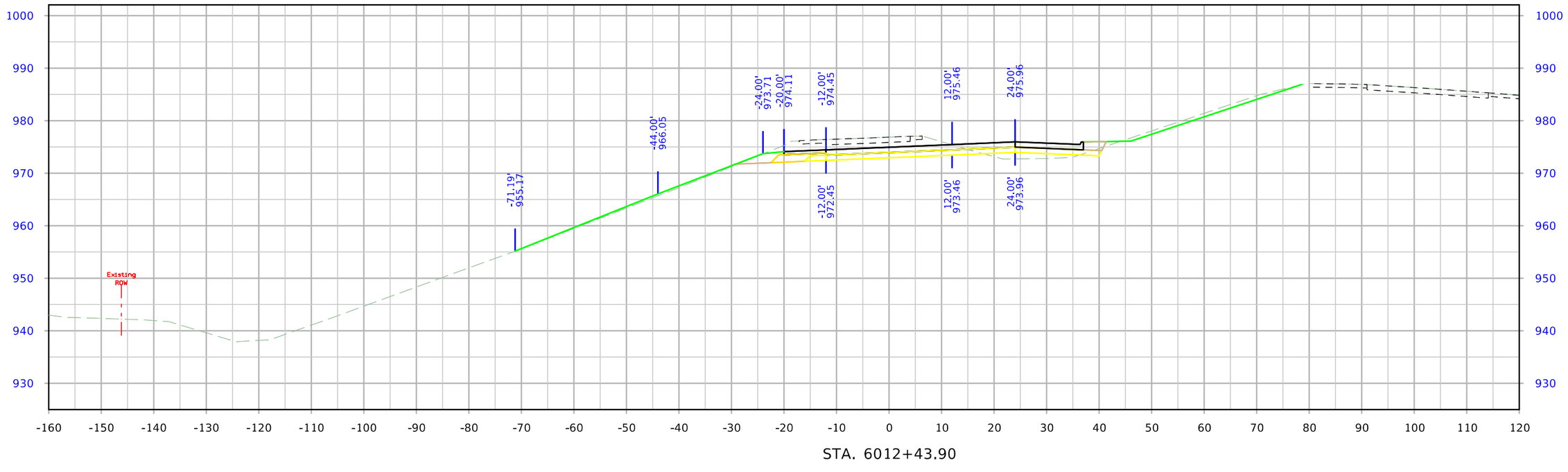
I-80/35 Ramp F





FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.33

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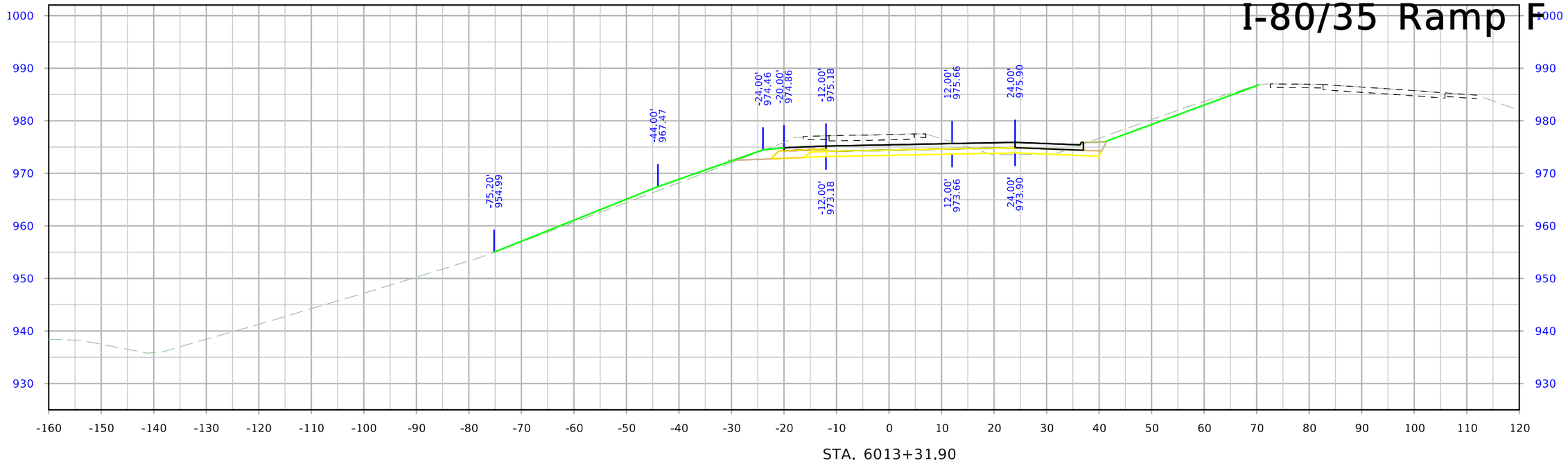
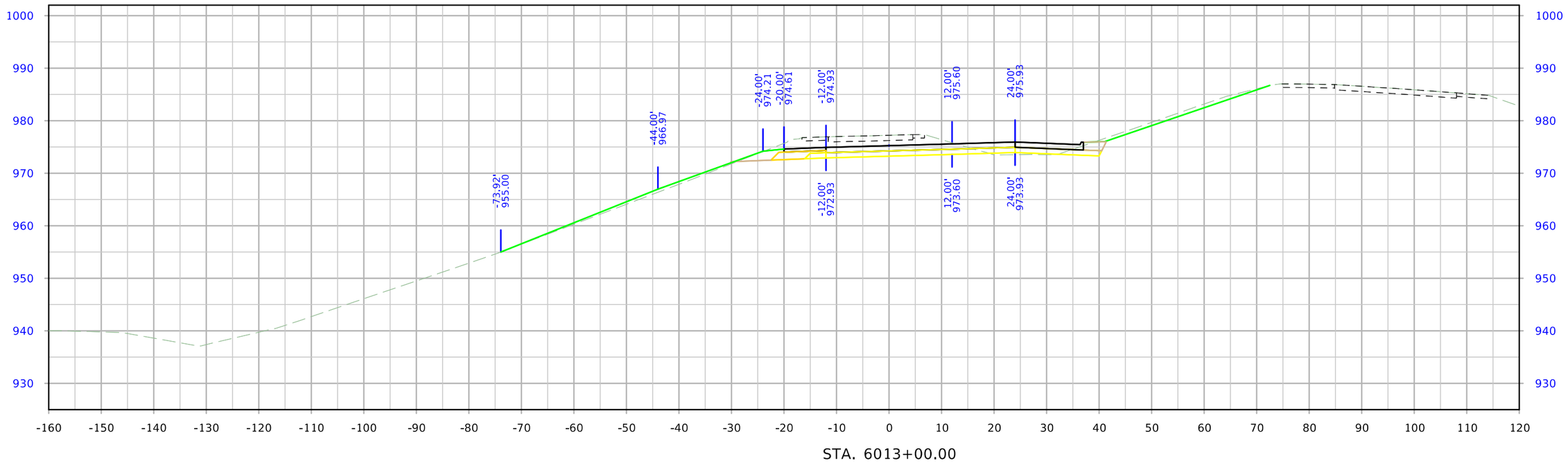
I-80/35 Ramp F





FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.34

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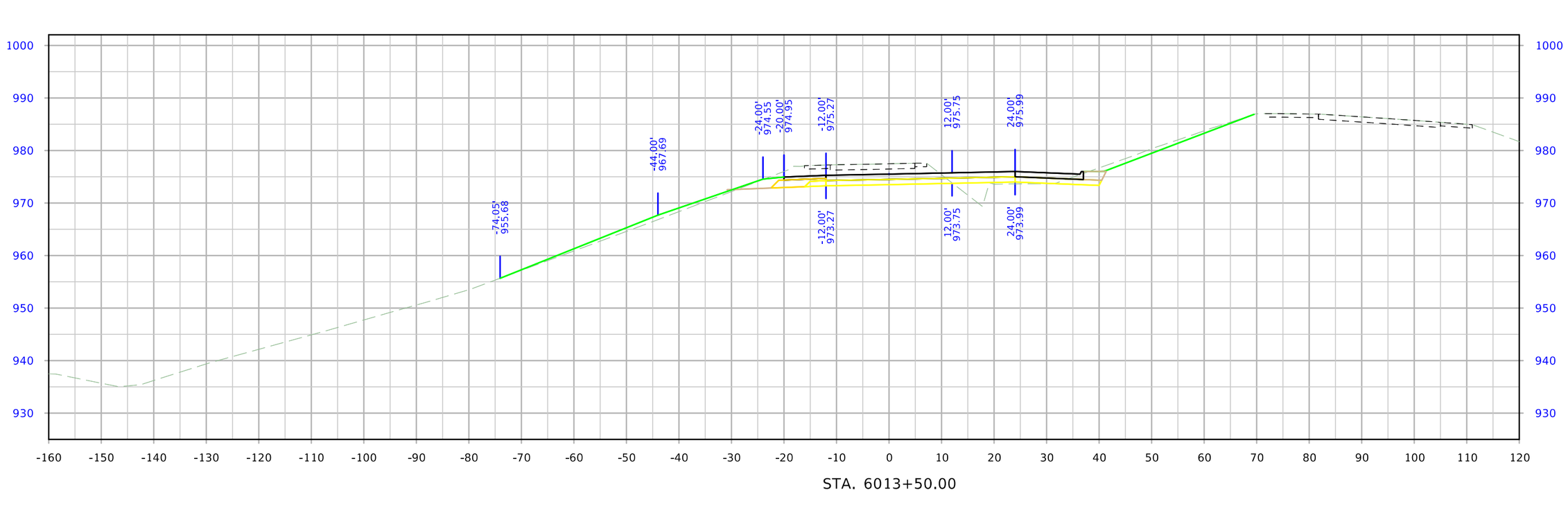
I-80/35 Ramp F



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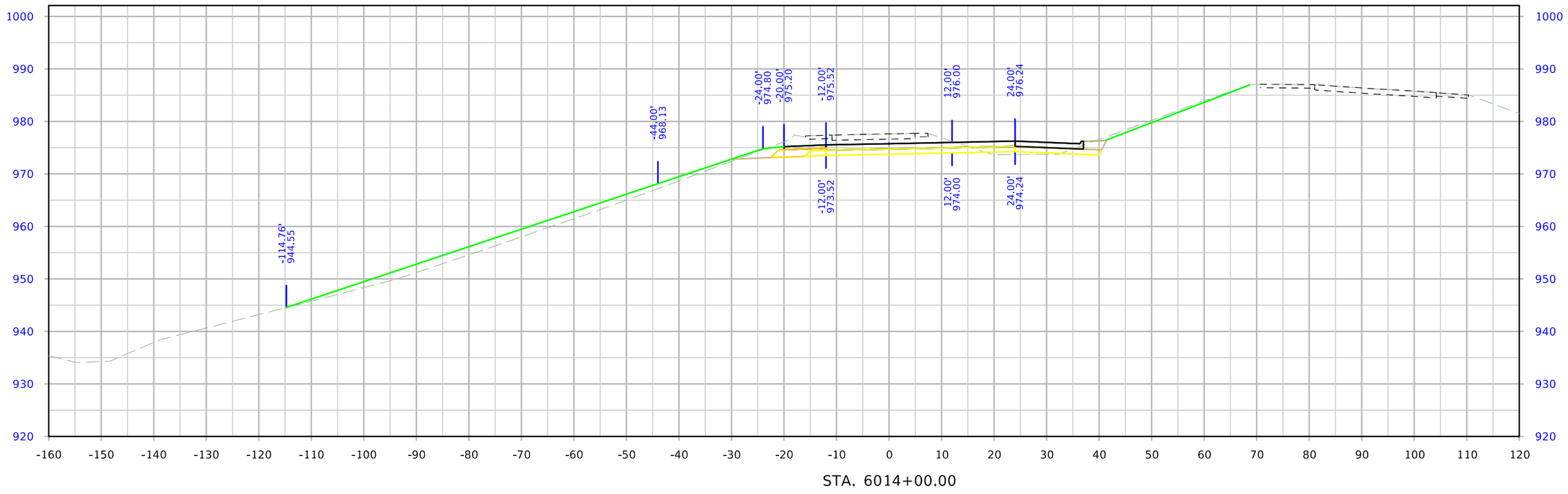
I-80/35 Ramp F



FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.36

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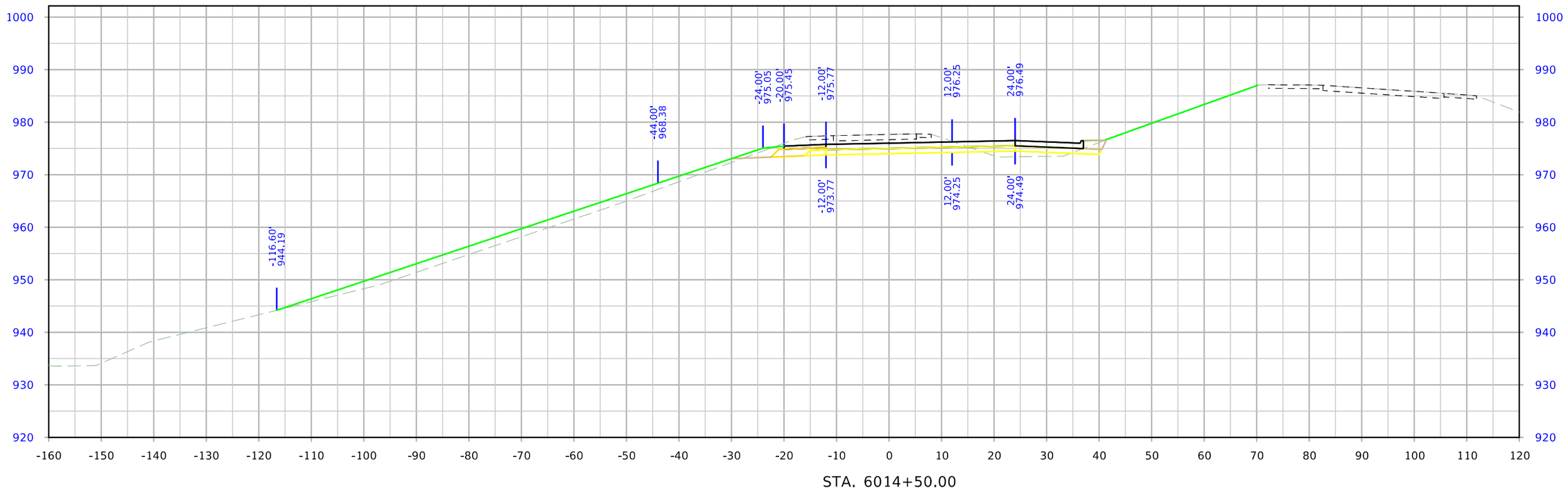
I-80/35 Ramp F



FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.37

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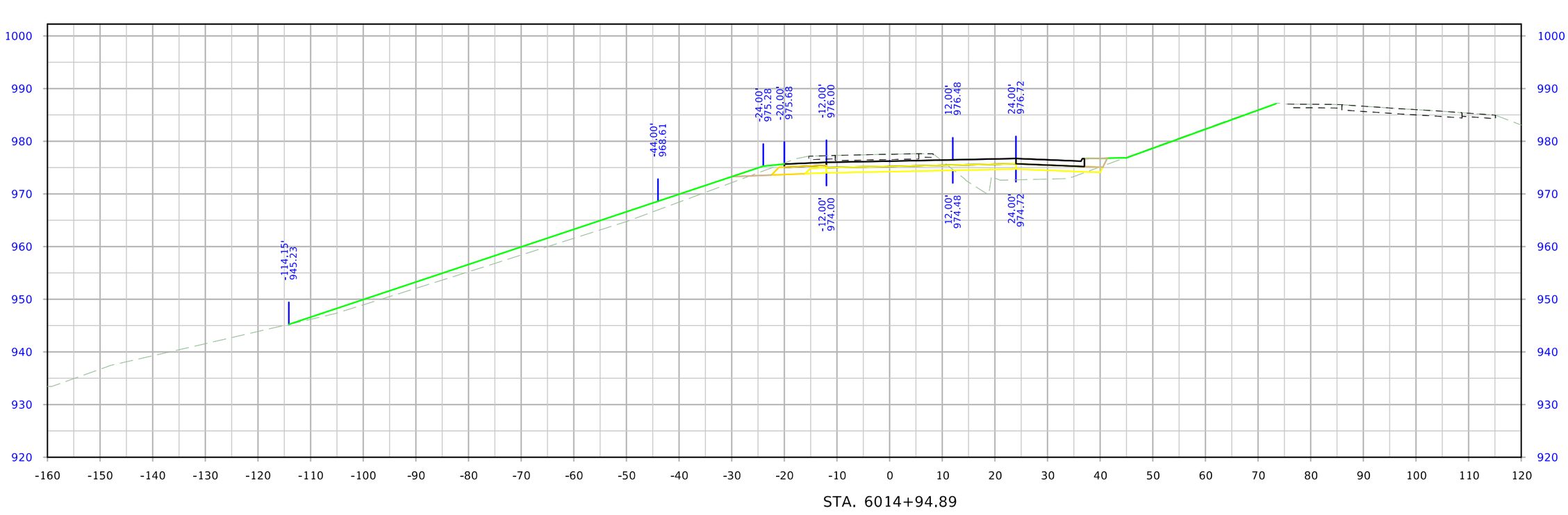
I-80/35 Ramp F



STA. 6014+94.89

FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.38

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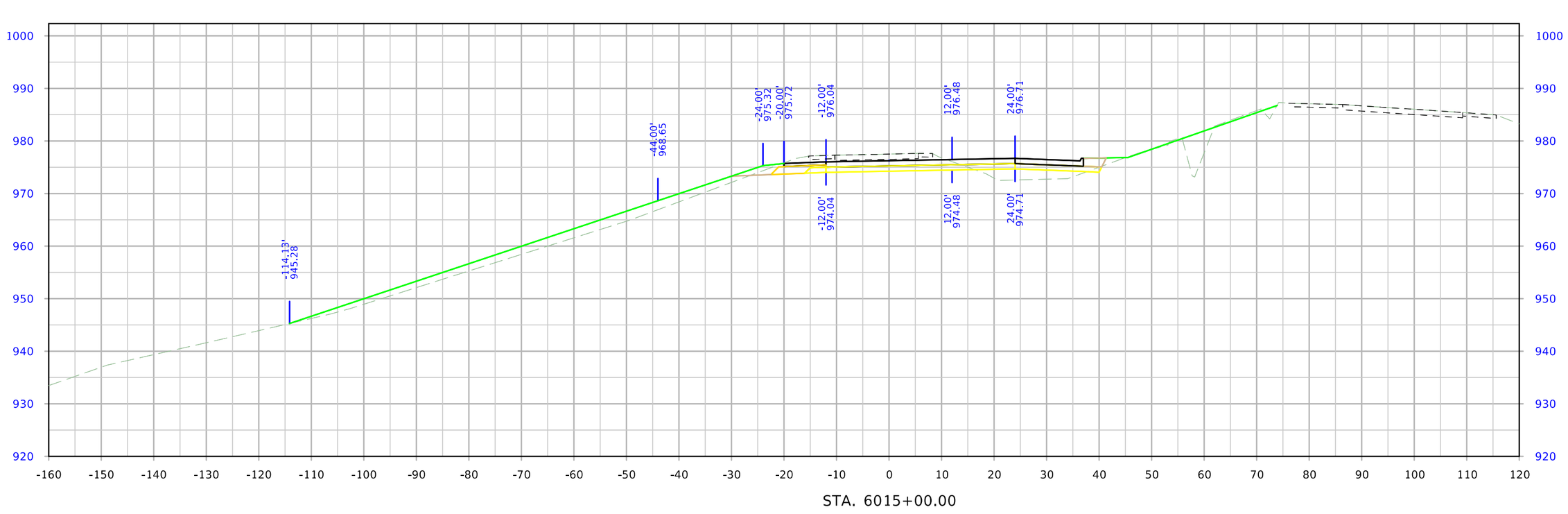
I-80/35 Ramp F



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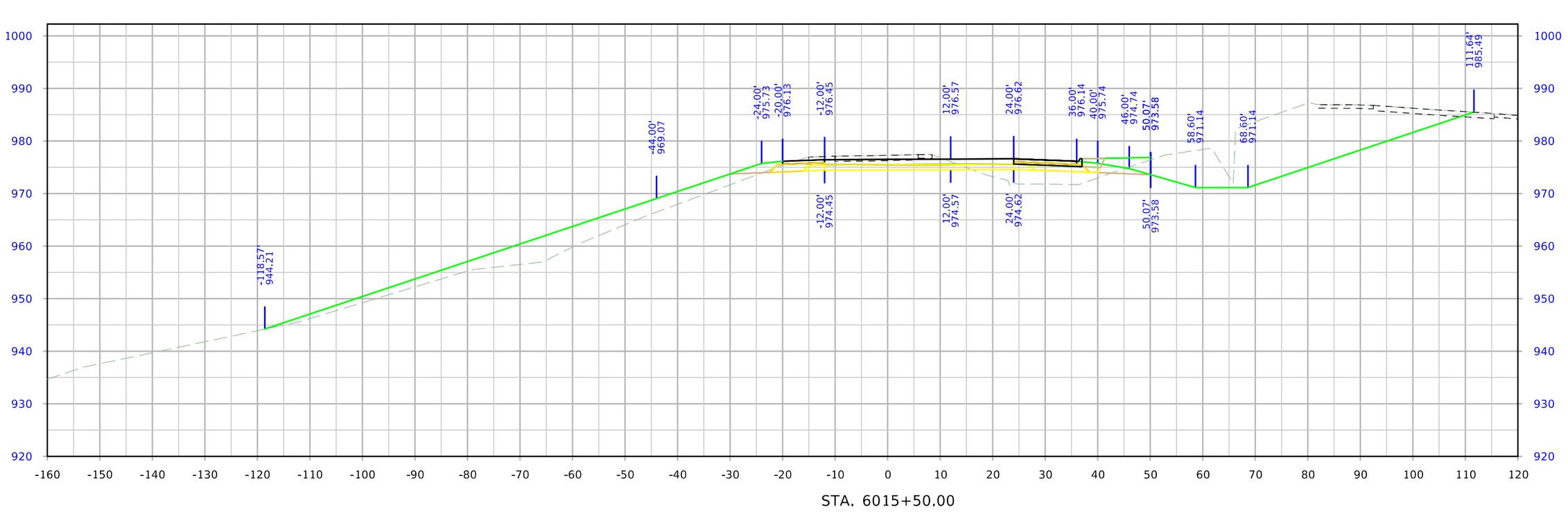
I-80/35 Ramp F



FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.40

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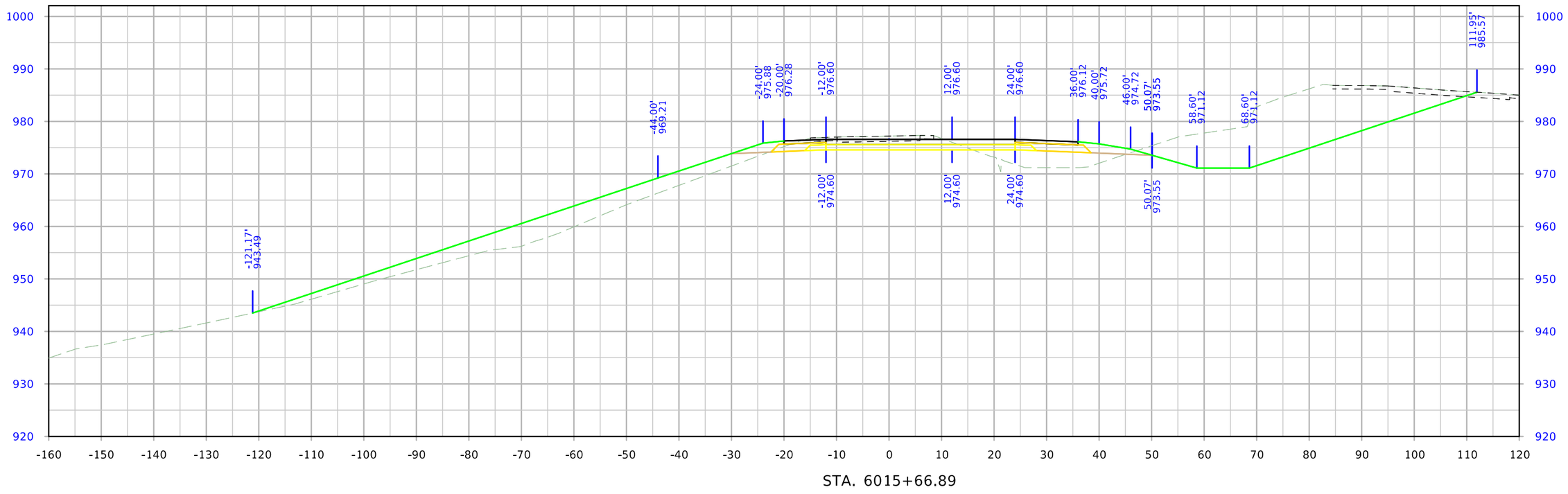
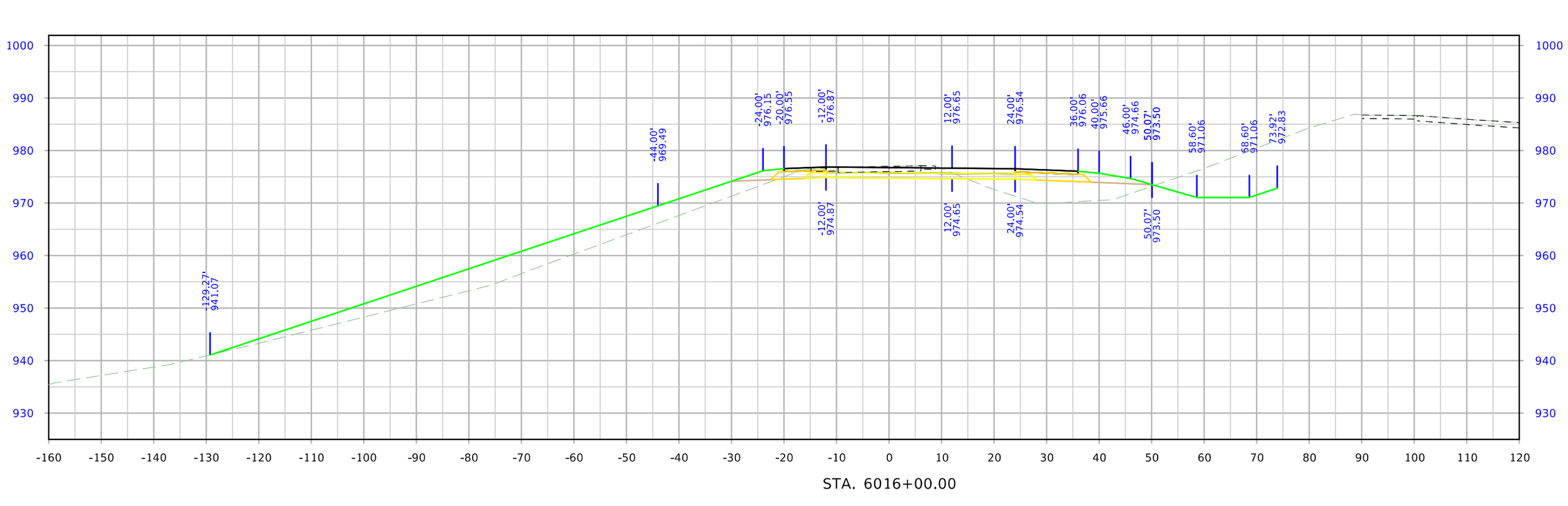
I-80/35 Ramp F



FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.41

4:59:42 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y03_77035455_Z08.dgn

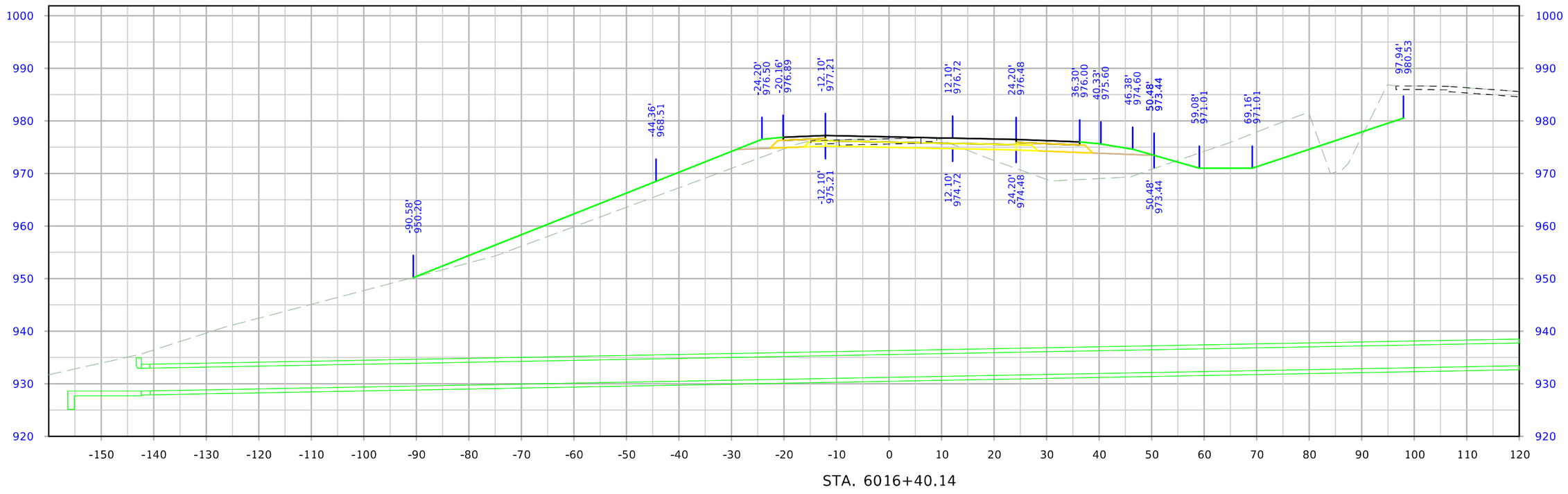
I-80/35 Ramp F



FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.42

4:59:43 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y03_77035455_Z08.dgn

I-80/35 Ramp F

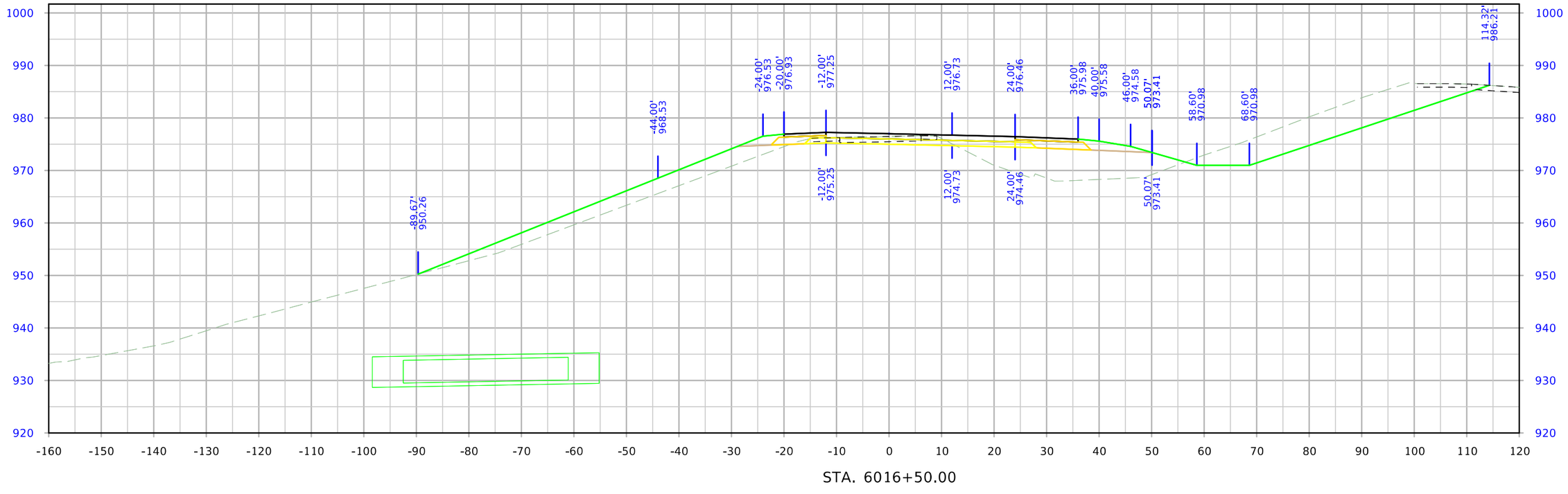


STA. 6016+40.14

FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.43

4:59:45 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y03_77035455_Z08.dgn

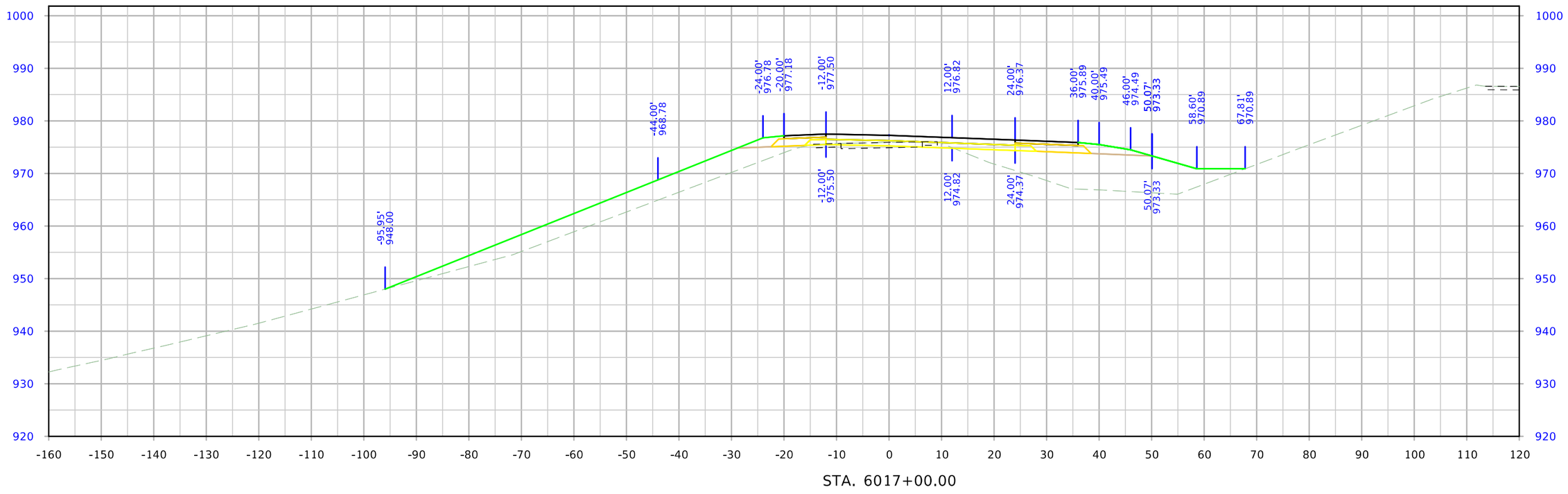
I-80/35 Ramp F



FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.44

4:59:46 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y03_77035455_Z08.dgn

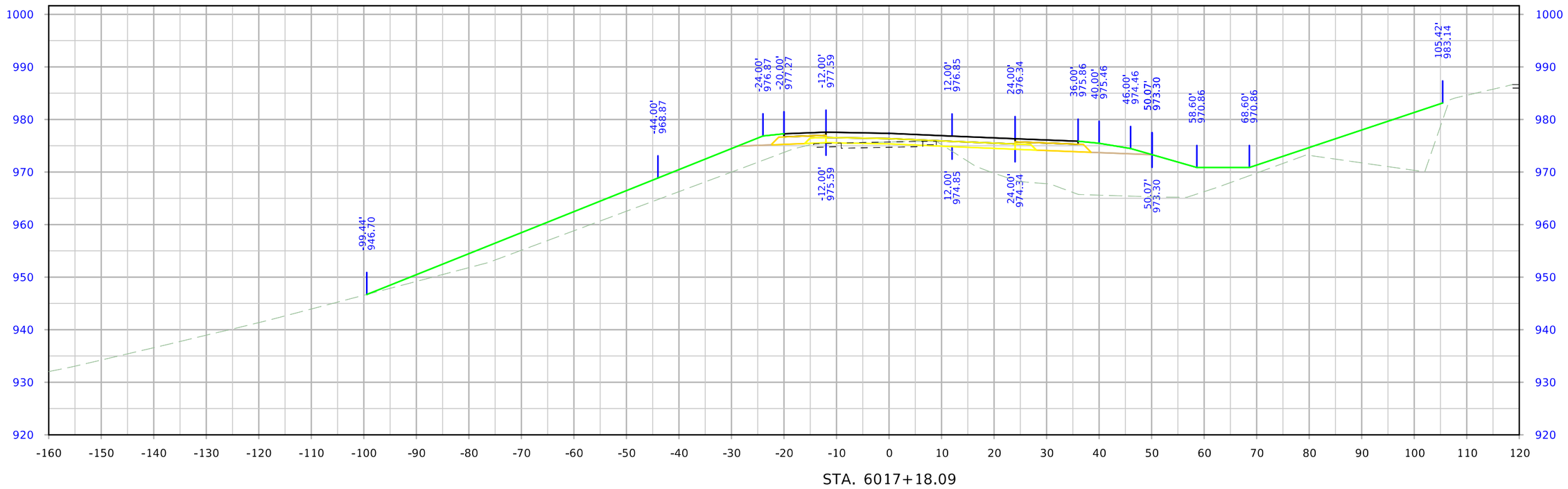
I-80/35 Ramp F



FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.45

4:59:48 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y03_77035455_Z08.dgn

I-80/35 Ramp F

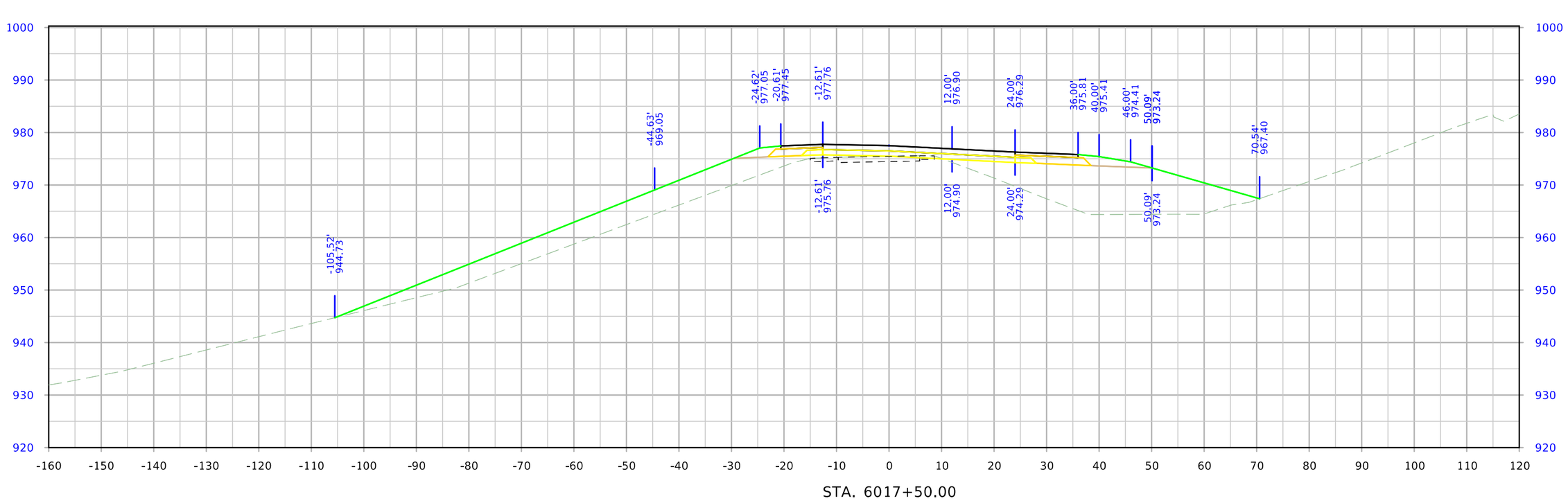


STA. 6017+18.09

FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.46

4:59:49 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y03_77035455_Z08.dgn

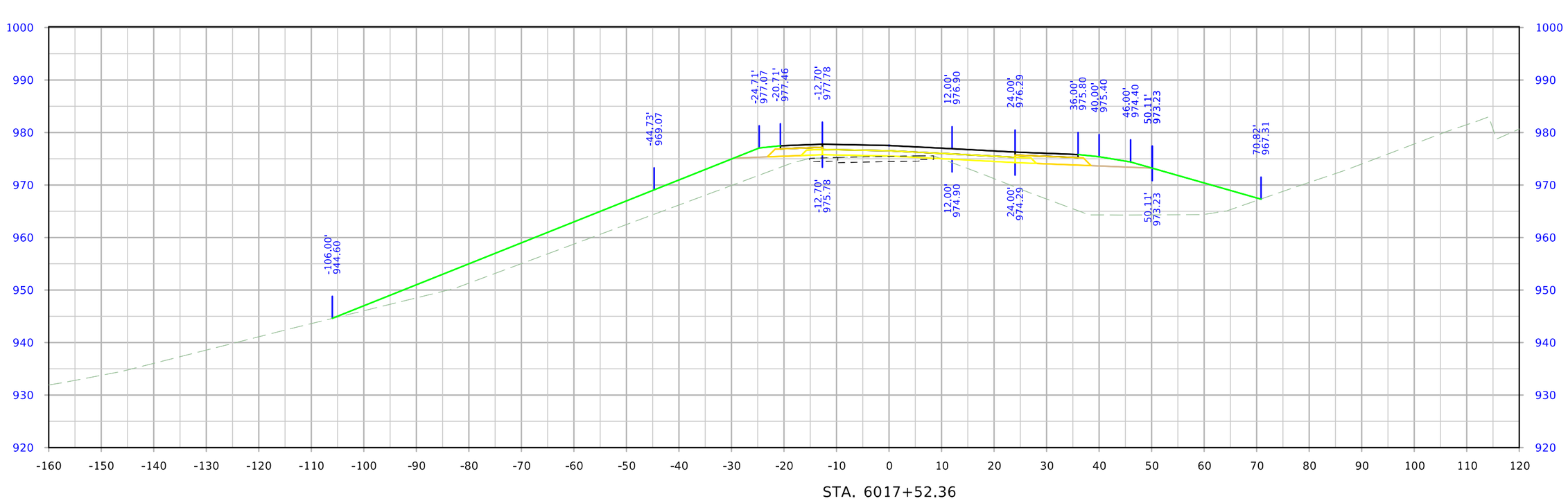
I-80/35 Ramp F



FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.47

4:59:51 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y03_77035455_Z08.dgn

I-80/35 Ramp F

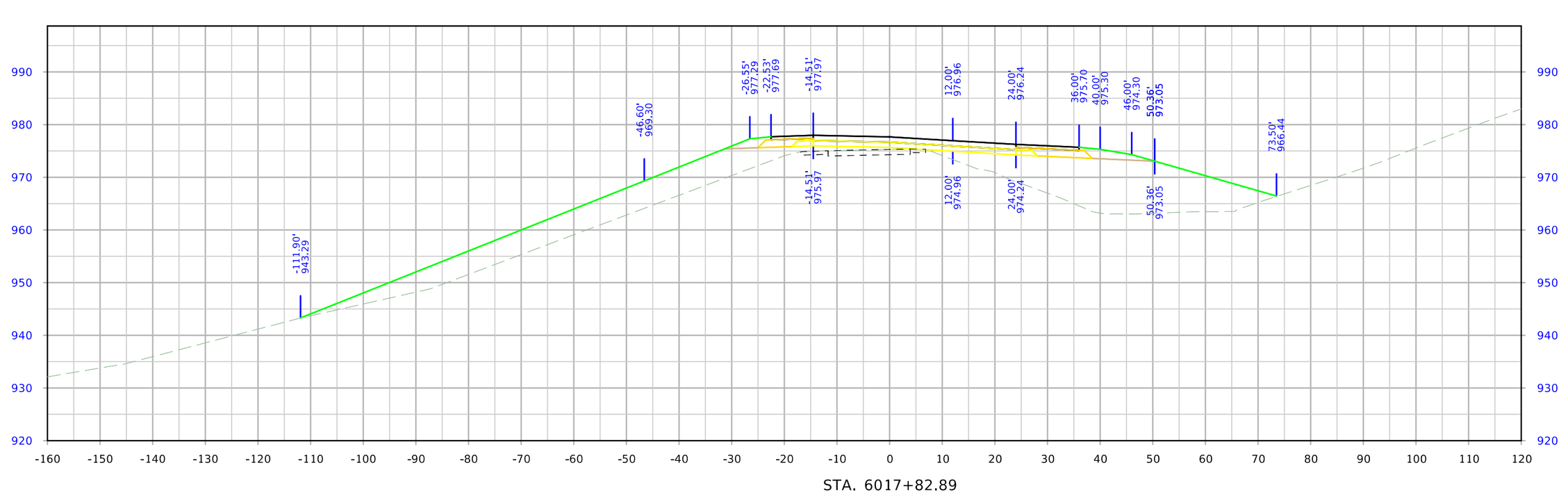


STA. 6017+52.36

FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.48

4:59:52 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y03_77035455_Z08.dgn

I-80/35 Ramp F

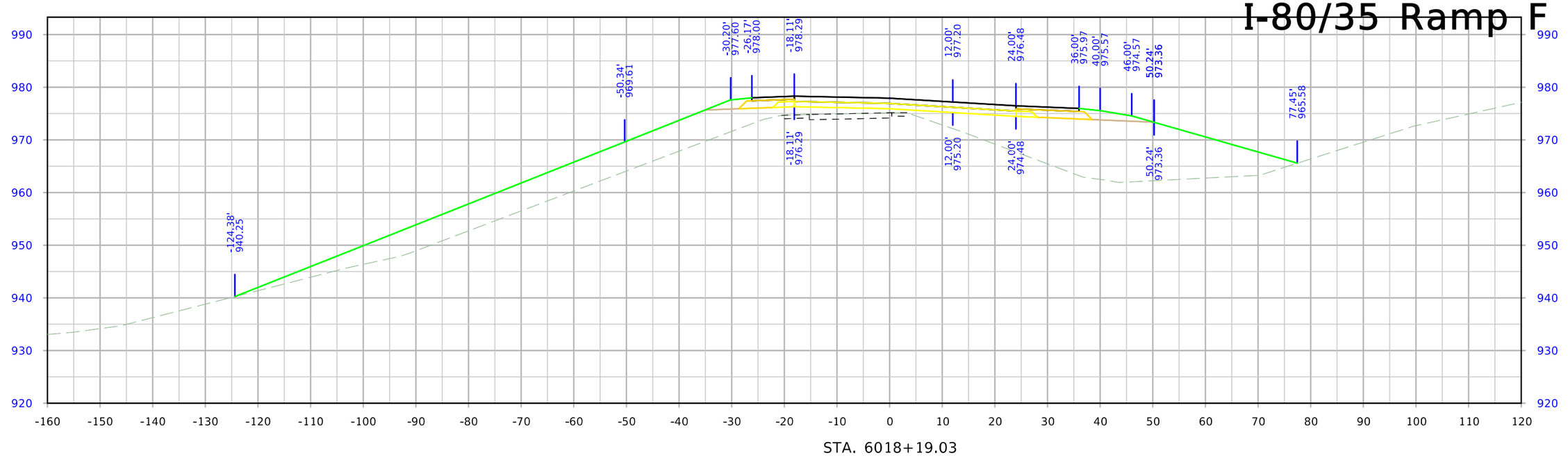


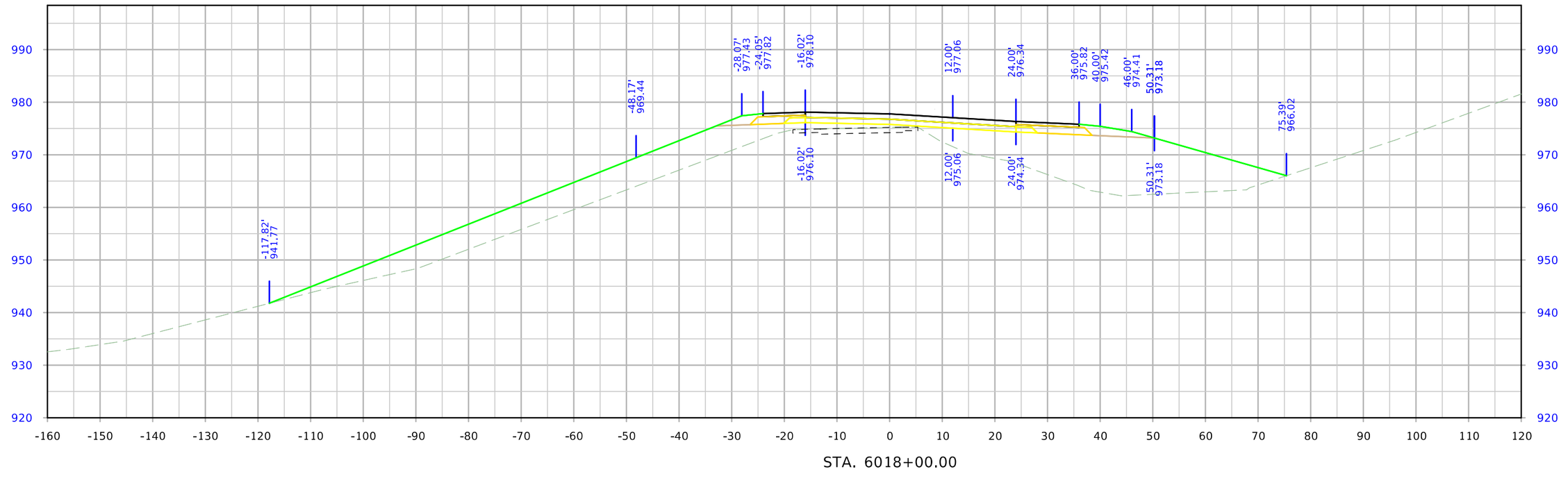
STA. 6017+82.89

FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.49

4:59:54 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y03_77035455_Z08.dgn

I-80/35 Ramp F

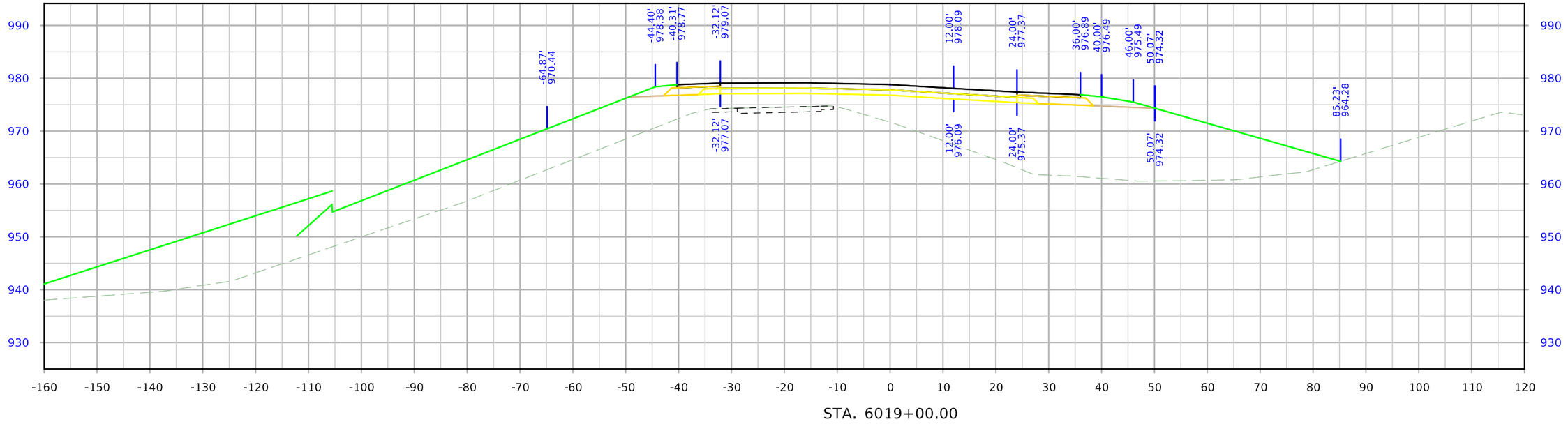


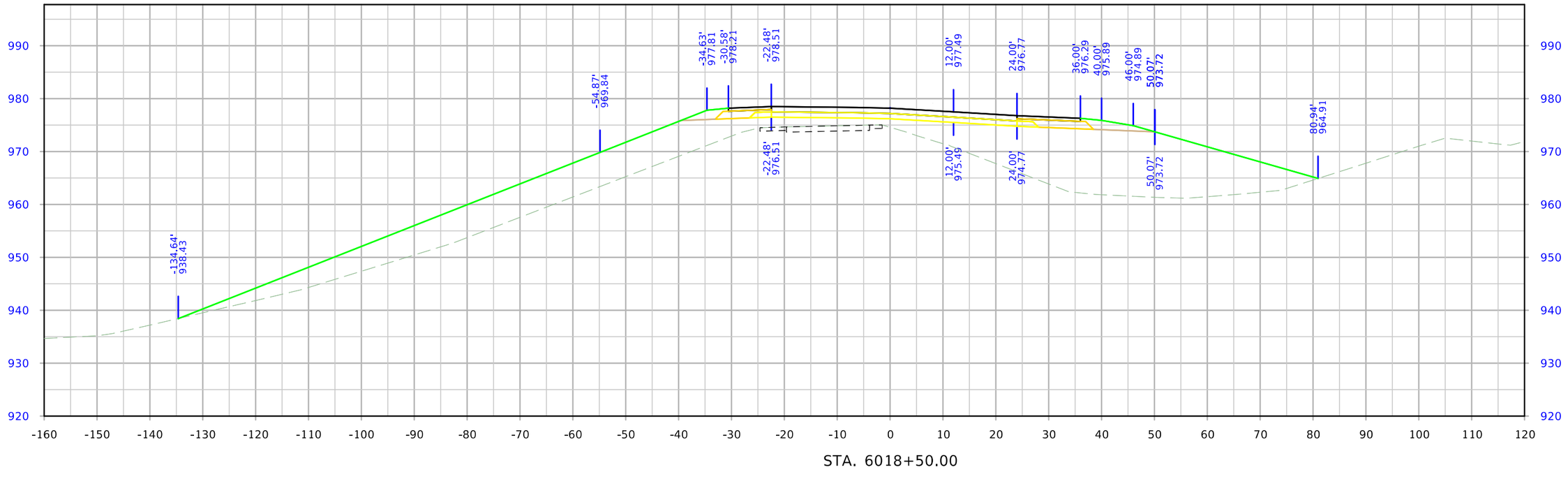


FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.50

4:59:56 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y03_77035455_Z08.dgn

I-80/35 Ramp F

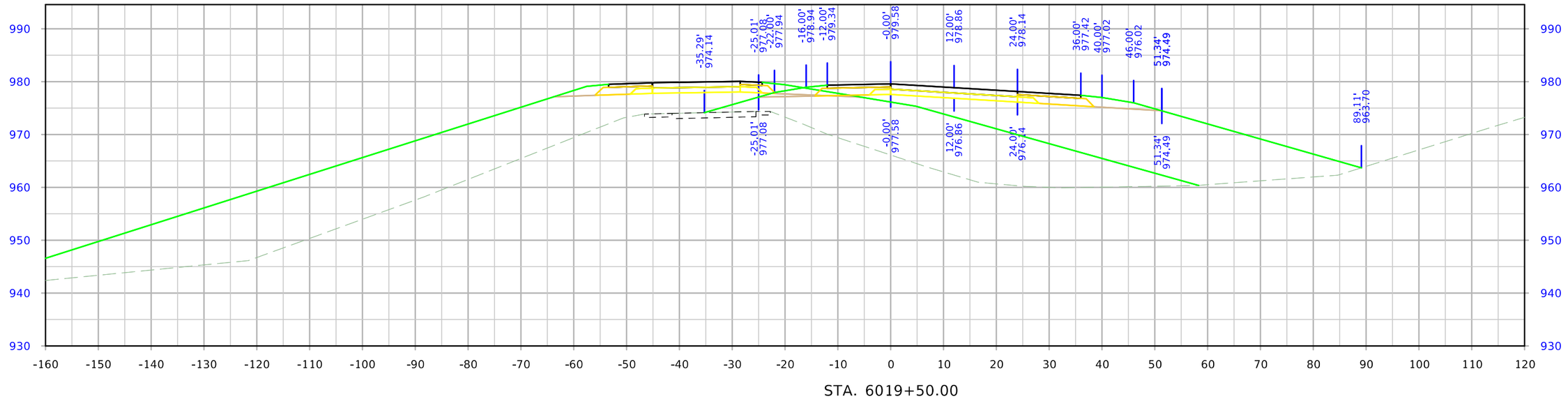




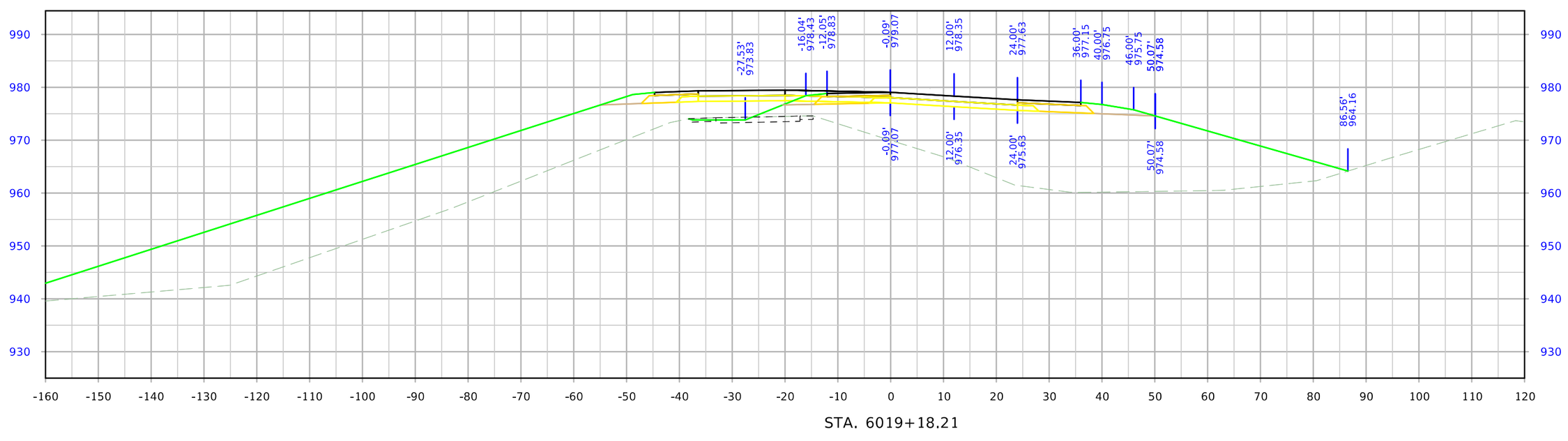
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.51

4:59:58 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y03_77035455_Z08.dgn

I-80/35 Ramp F



STA. 6019+50.00

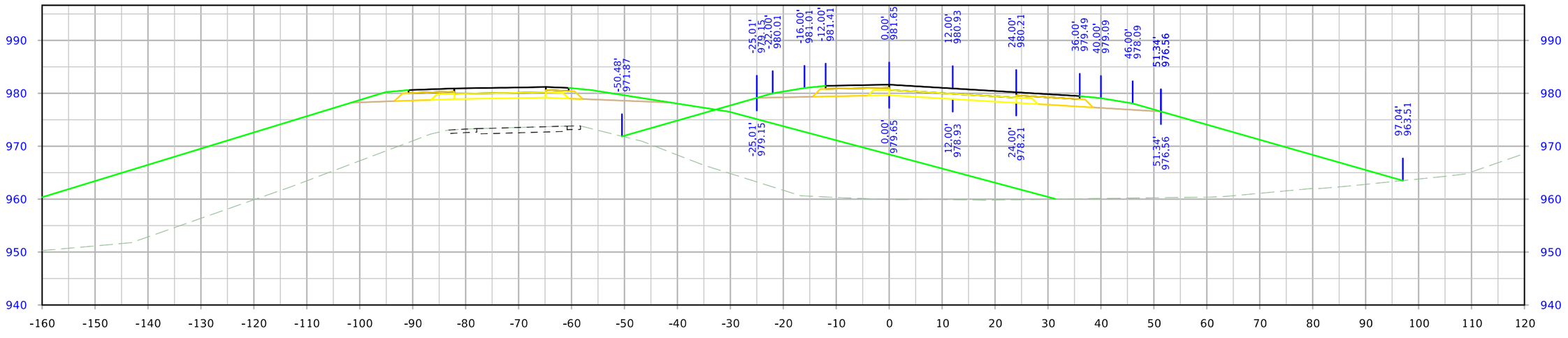


STA. 6019+18.21

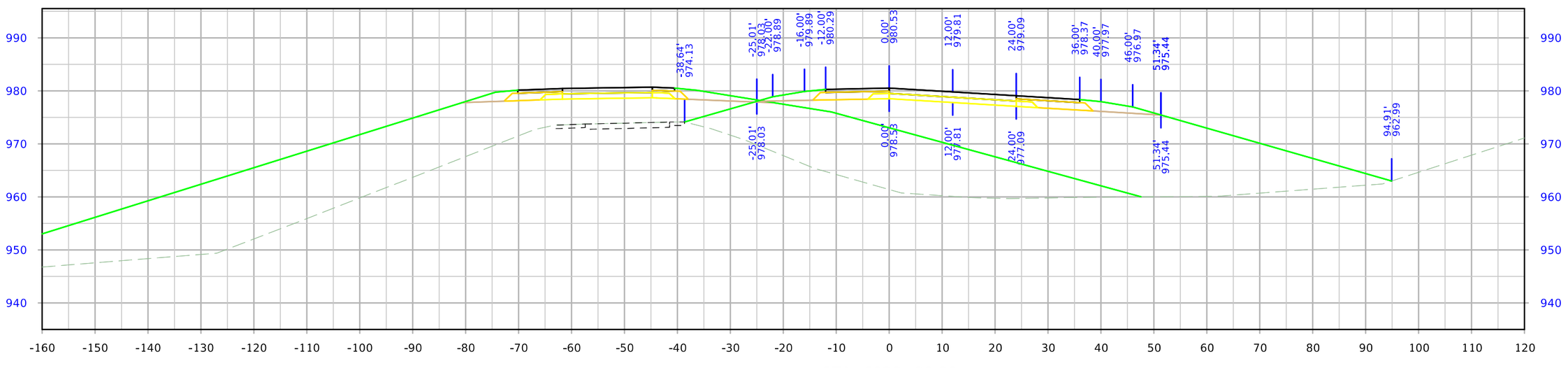
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.52

5:00:01 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y03_77035455_Z08.dgn

I-80/35 Ramp F



STA. 6020+50.00



STA. 6020+00.00

FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.53

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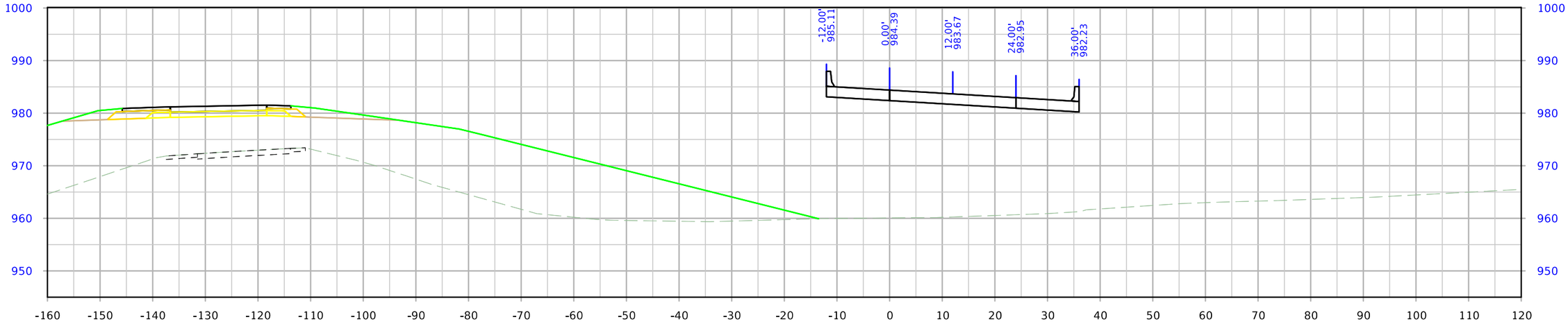
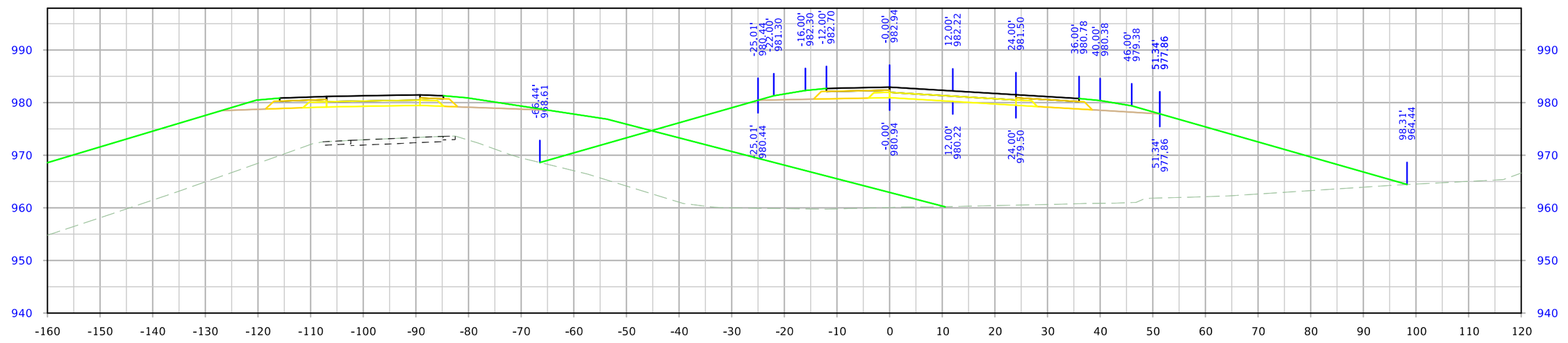
I-80/35 Ramp F



STA. 6021+50.00

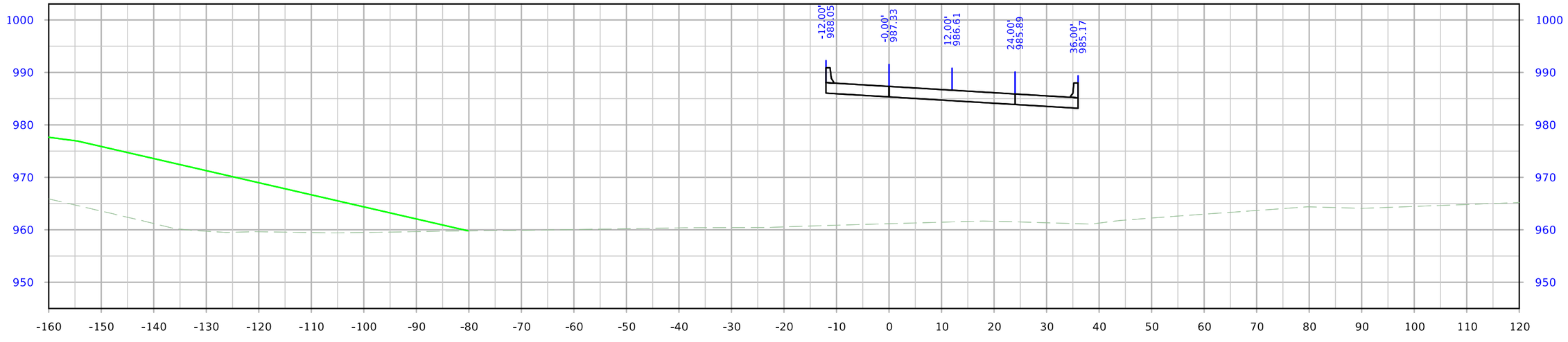


STA. 6021+00.00

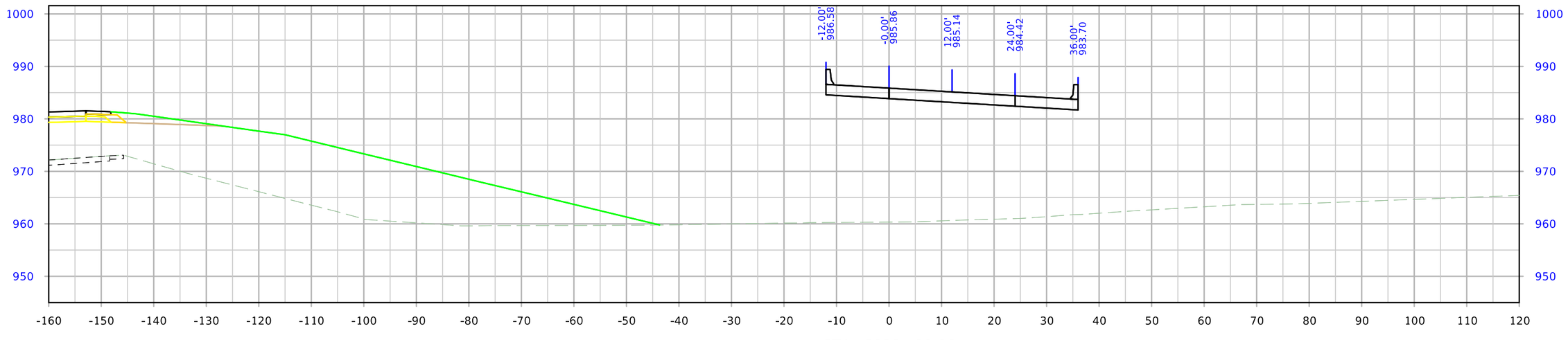
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.54

5:00:06 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y03_77035455_Z08.dgn

I-80/35 Ramp F



STA. 6022+50.00

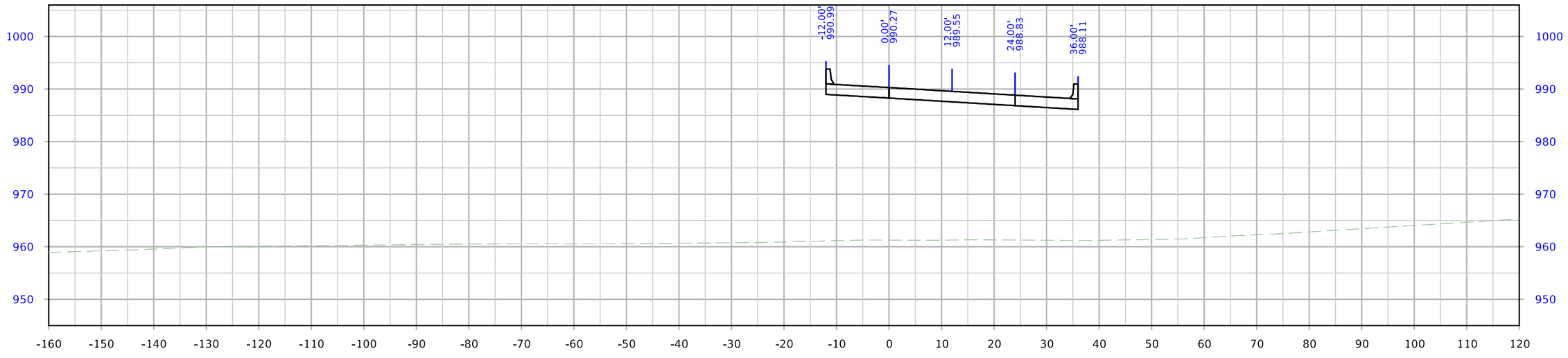


STA. 6022+00.00

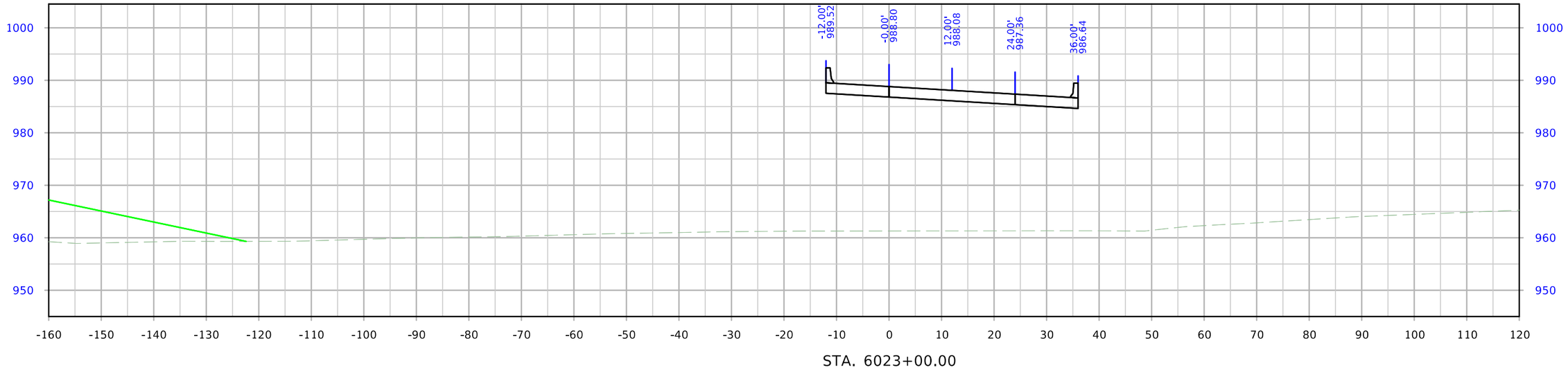
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.55

5:00:08 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y03_77035455_Z08.dgn

I-80/35 Ramp F



STA. 6023+50.00

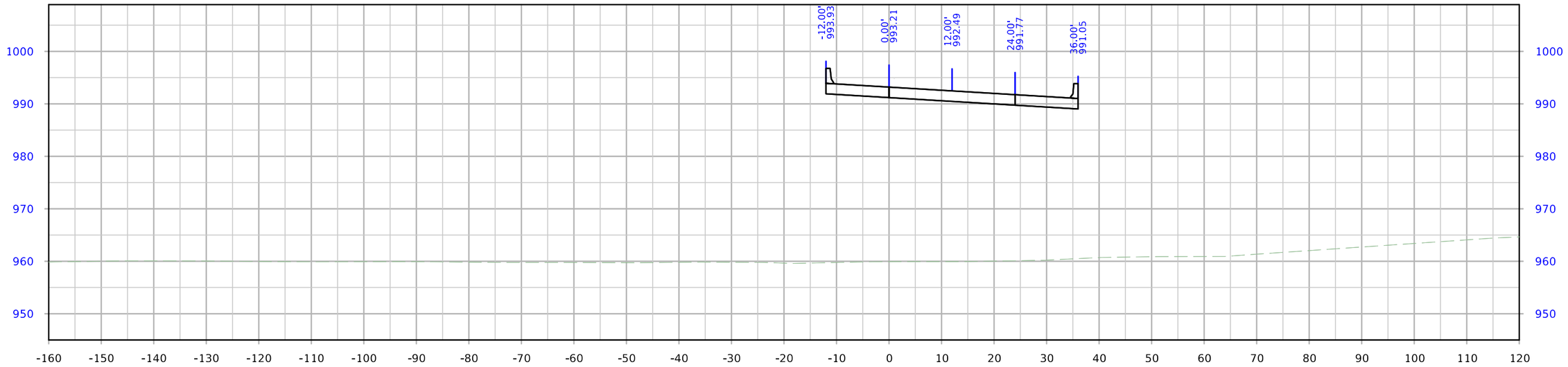


STA. 6023+00.00

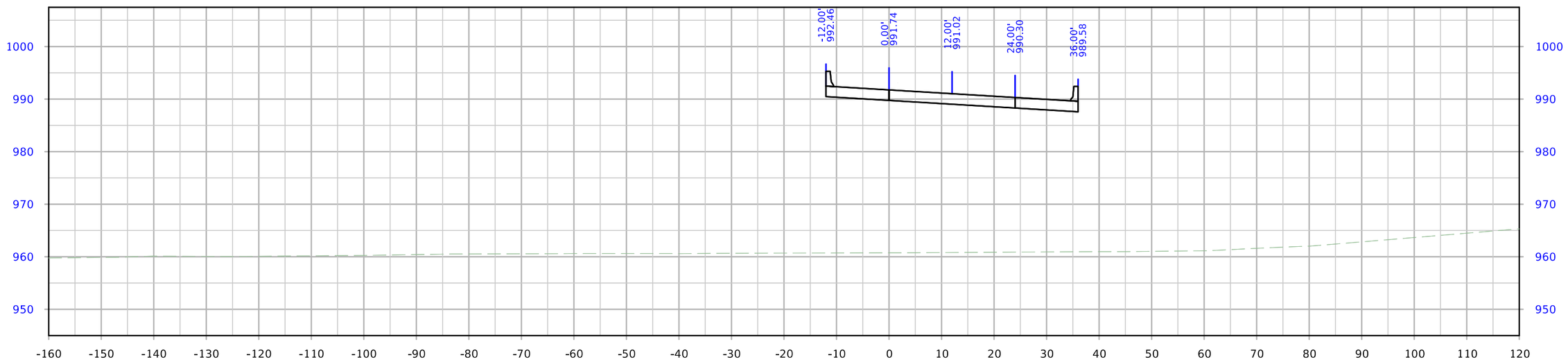
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.56

5:00:10 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y03_77035455_Z08.dgn

I-80/35 Ramp F



STA. 6024+50.00

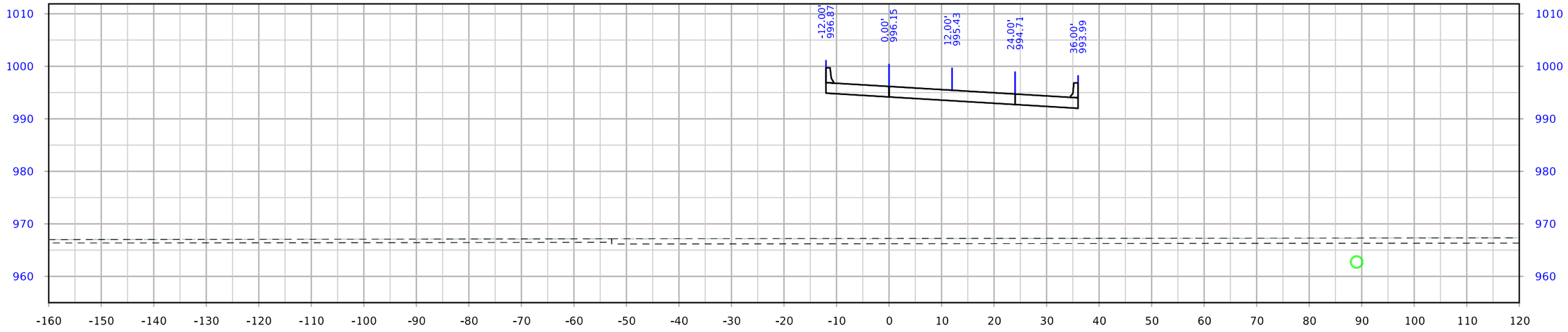


STA. 6024+00.00

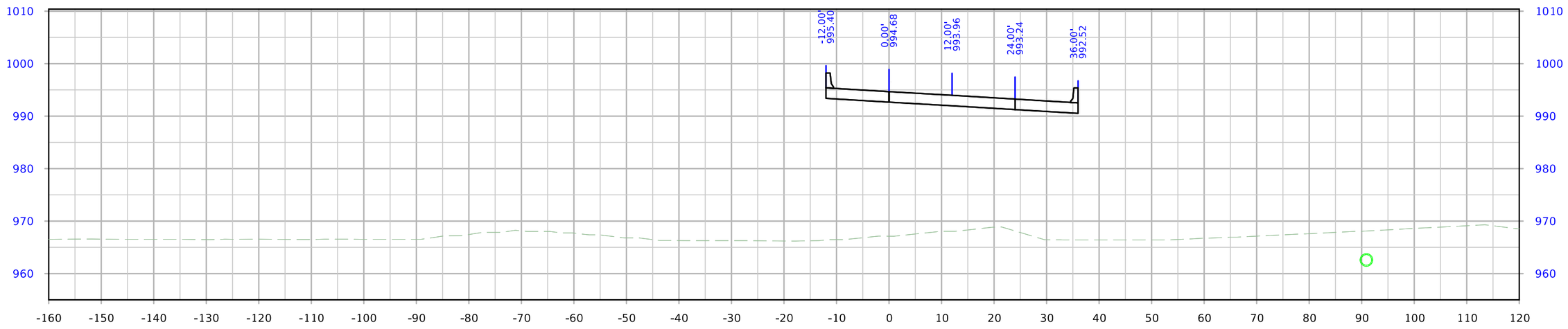
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.57

5:00:12 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y03_77035455_Z08.dgn

I-80/35 Ramp F



STA. 6025+50.00



STA. 6025+00.00

FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.58	

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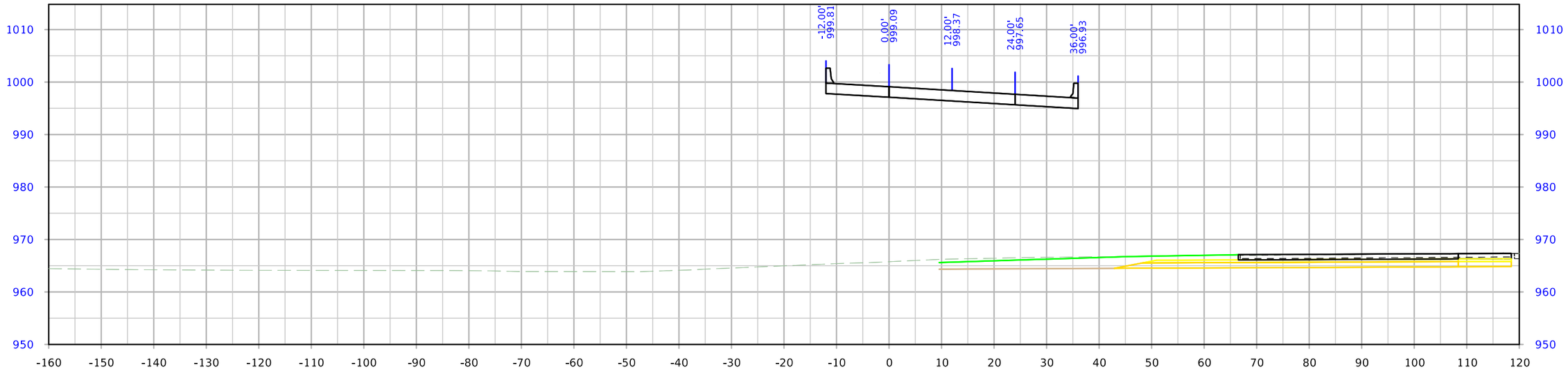
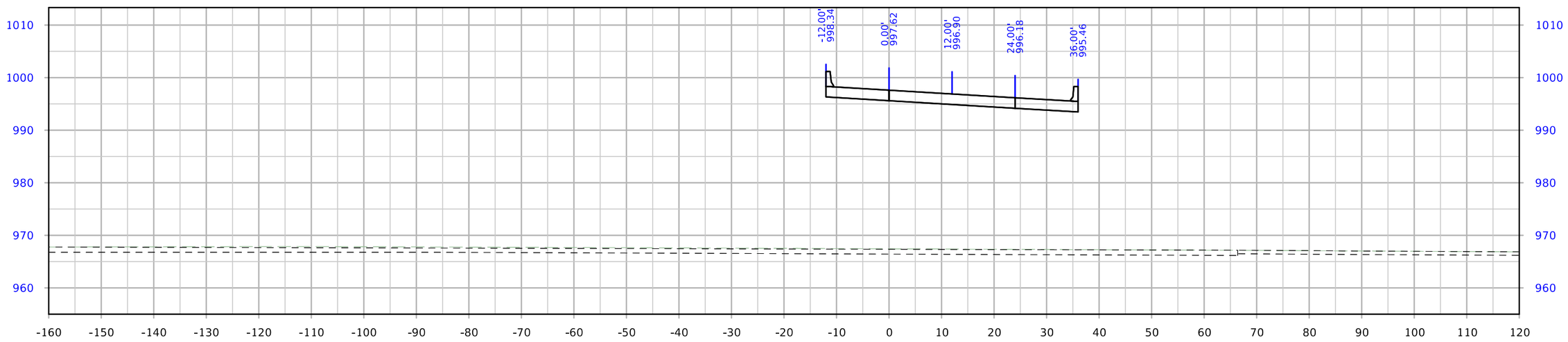
I-80/35 Ramp F



STA. 6026+50.00



STA. 6026+00.00

FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.59

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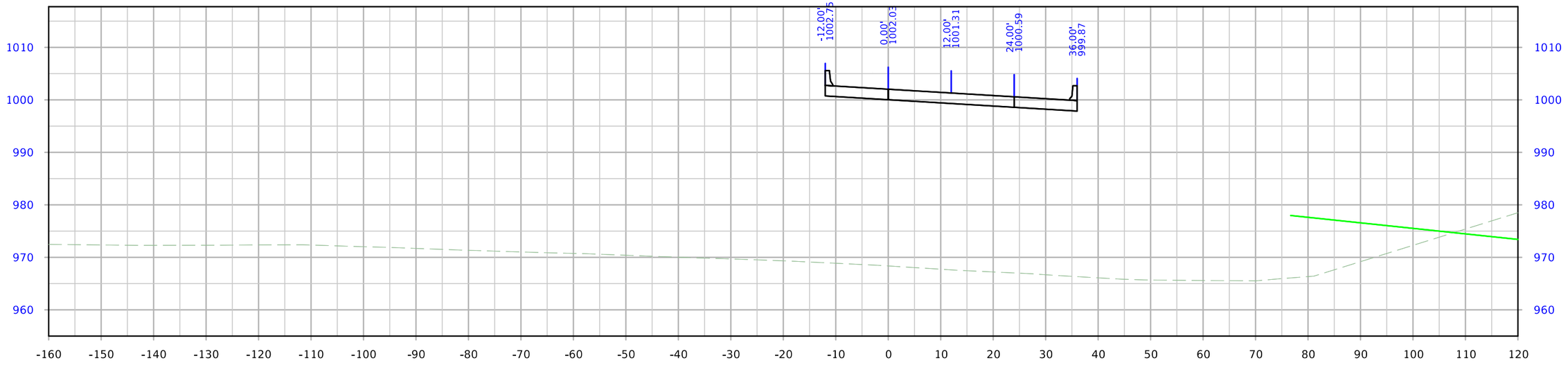
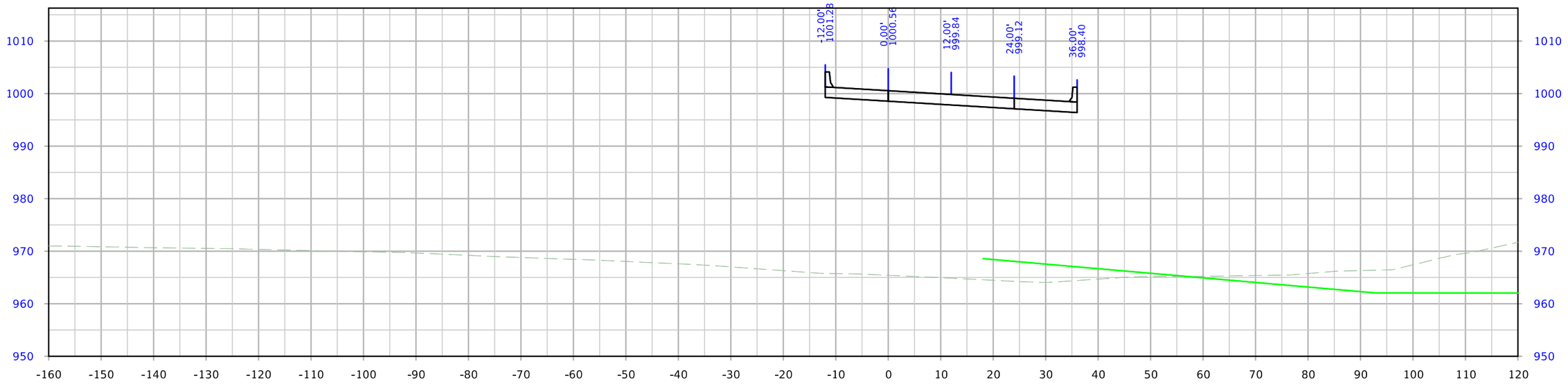
I-80/35 Ramp F



STA. 6027+50.00

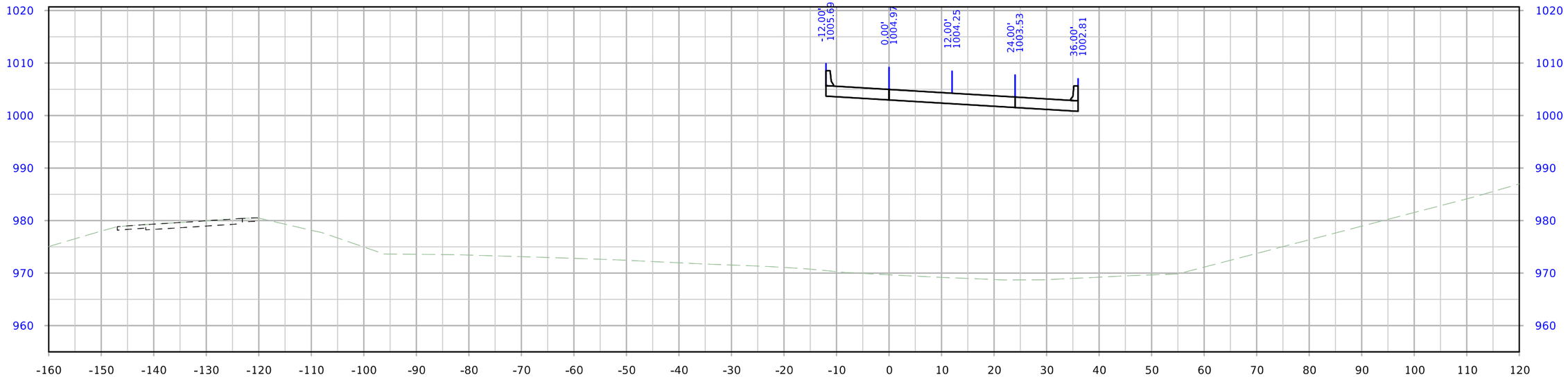


STA. 6027+00.00

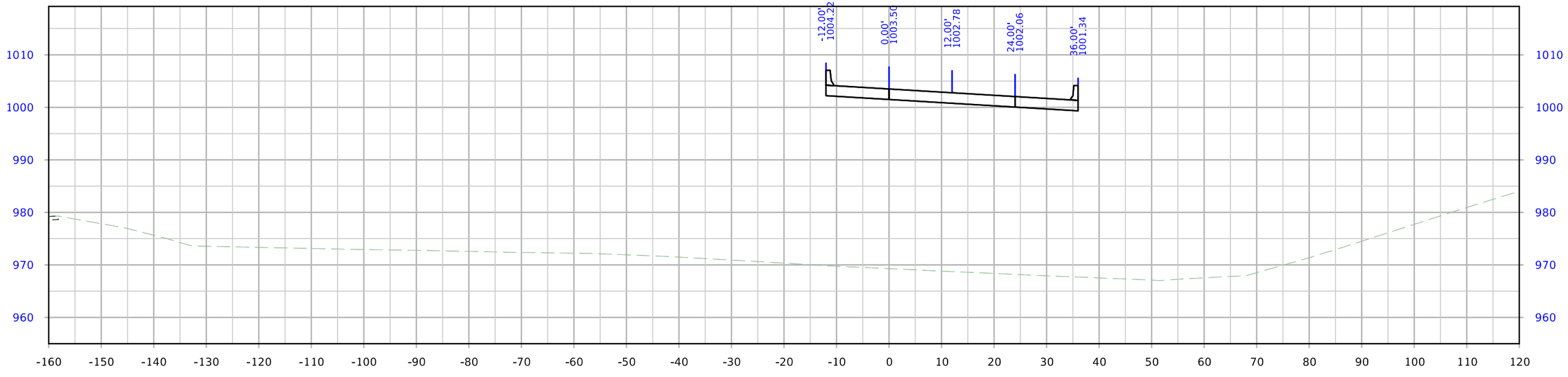
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.60

5:00:18 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y03_77035455_Z08.dgn

I-80/35 Ramp F



STA. 6028+50.00

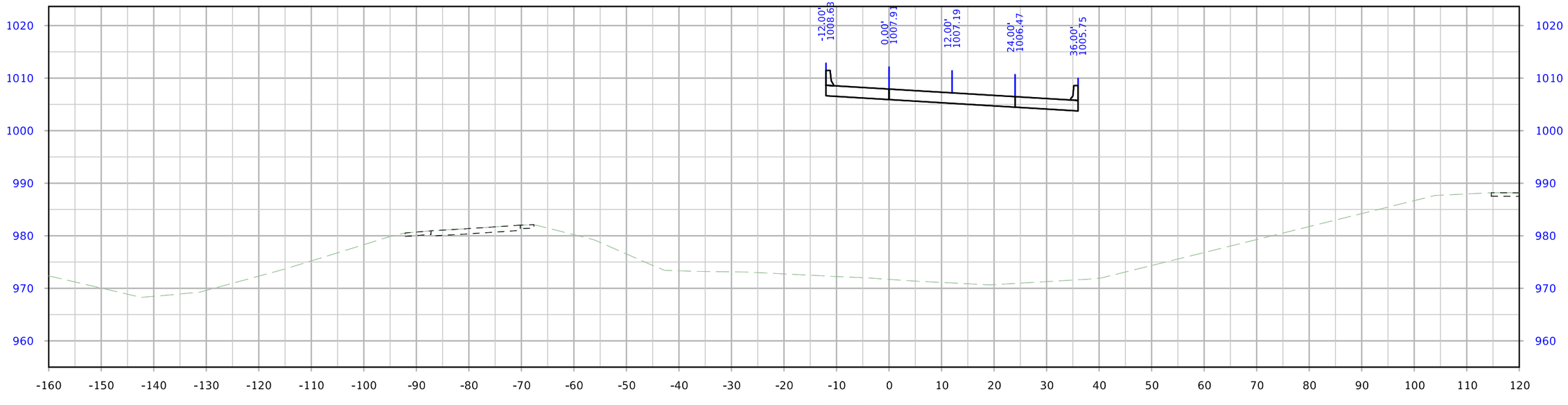


STA. 6028+00.00

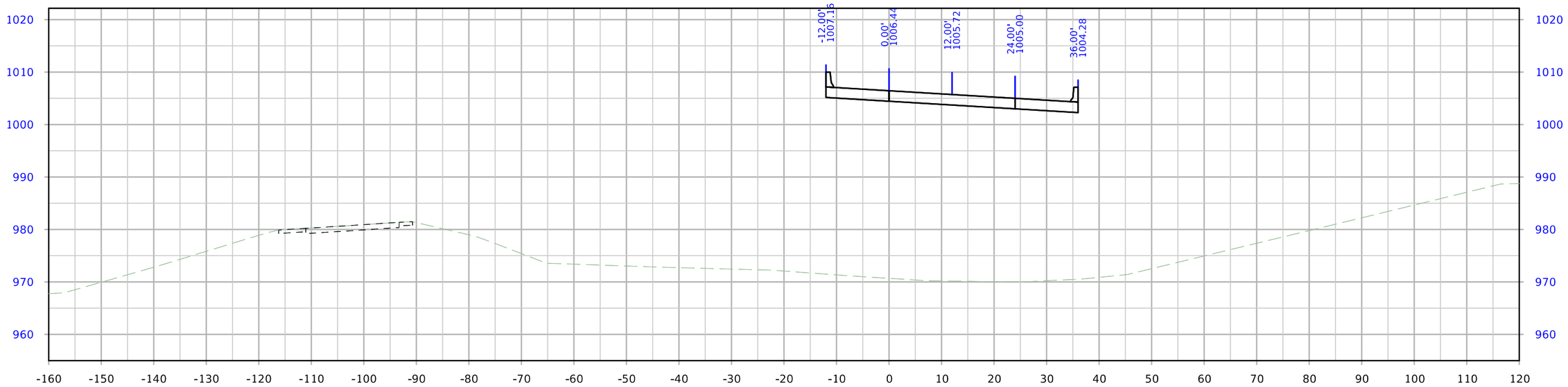
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.61

5:00:21 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y03_77035455_Z08.dgn

I-80/35 Ramp F



STA. 6029+50.00

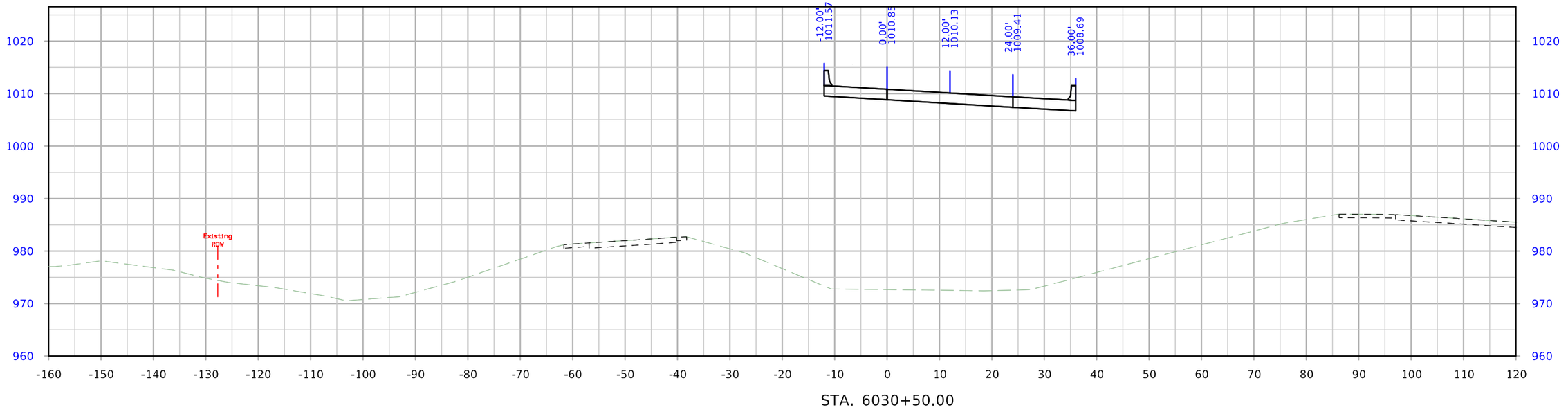


STA. 6029+00.00

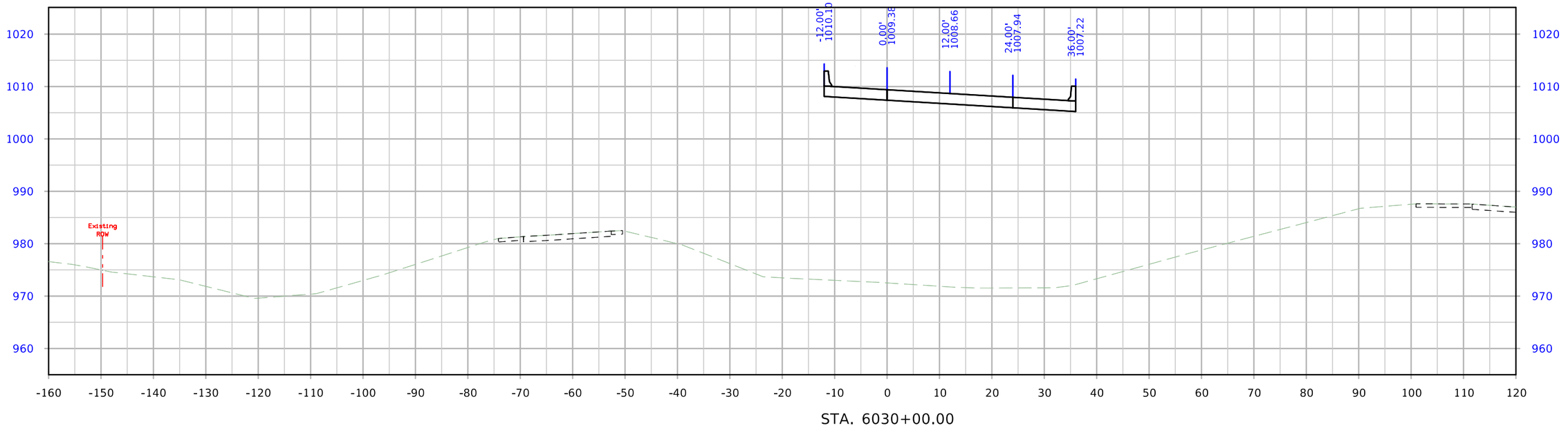
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.62

5:00:23 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y03_77035455_Z08.dgn

I-80/35 Ramp F



STA. 6030+50.00

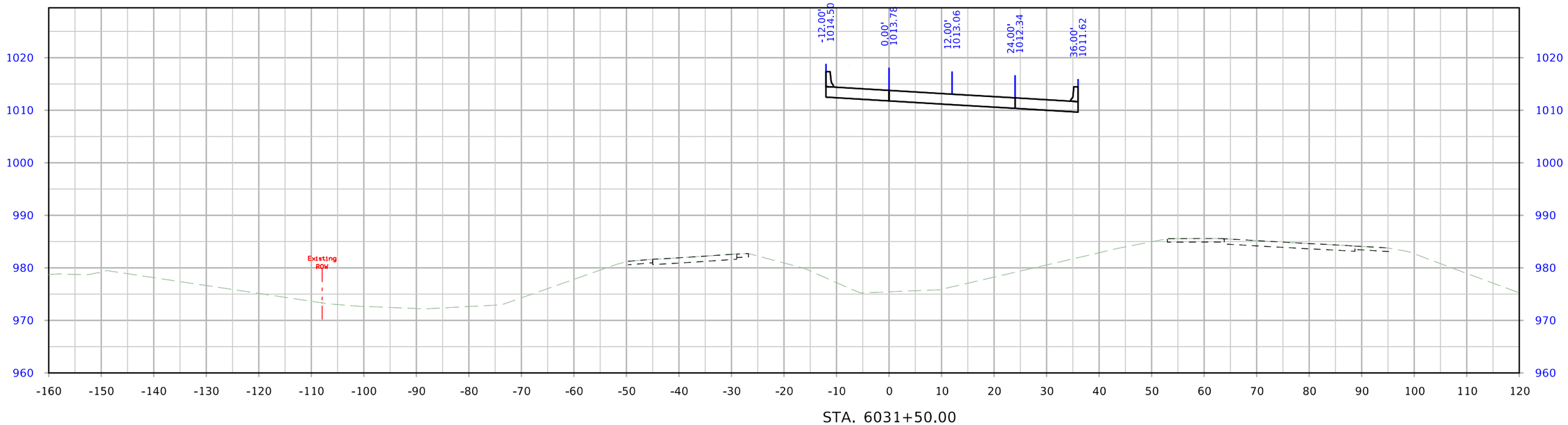


STA. 6030+00.00

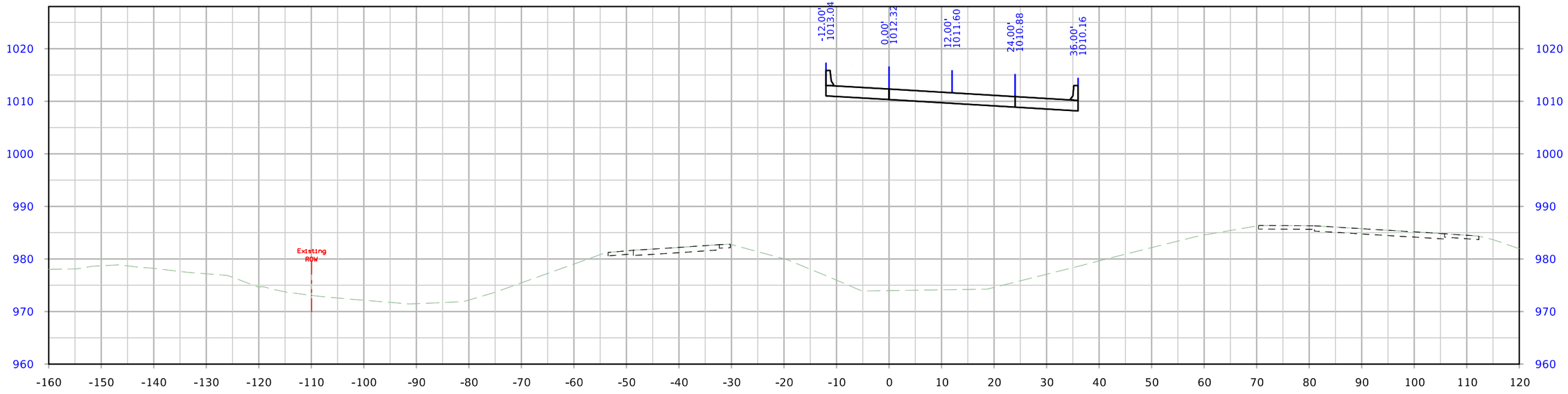
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.63

5:00:25 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y03_77035455_Z08.dgn

I-80/35 Ramp F



STA. 6031+50.00

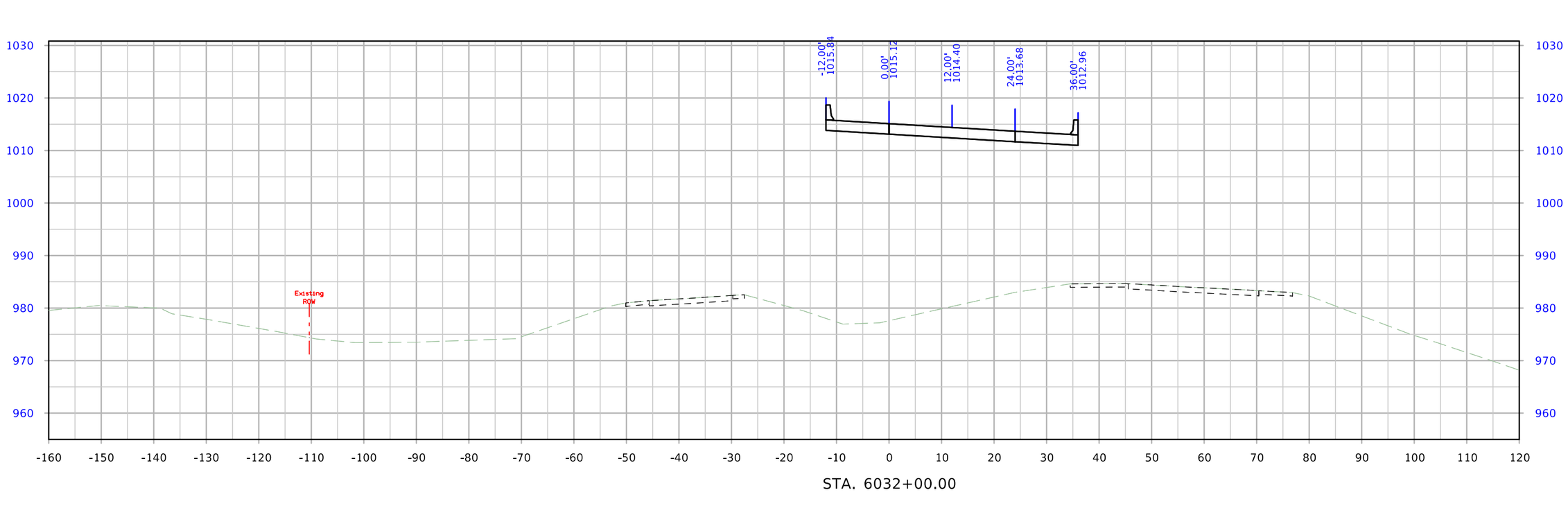


STA. 6031+00.00

FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.64

5:00:28 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y03_77035455_Z08.dgn

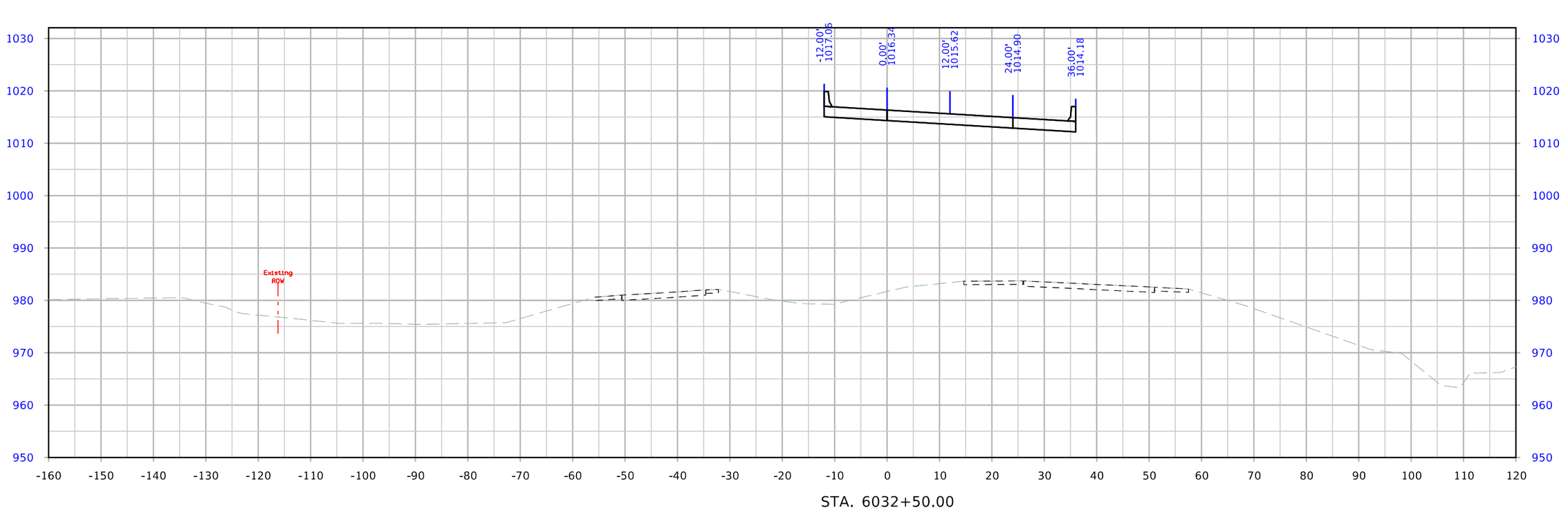
I-80/35 Ramp F



FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.65

5:00:29 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y03_77035455_Z08.dgn

I-80/35 Ramp F



STA. 6032+50.00

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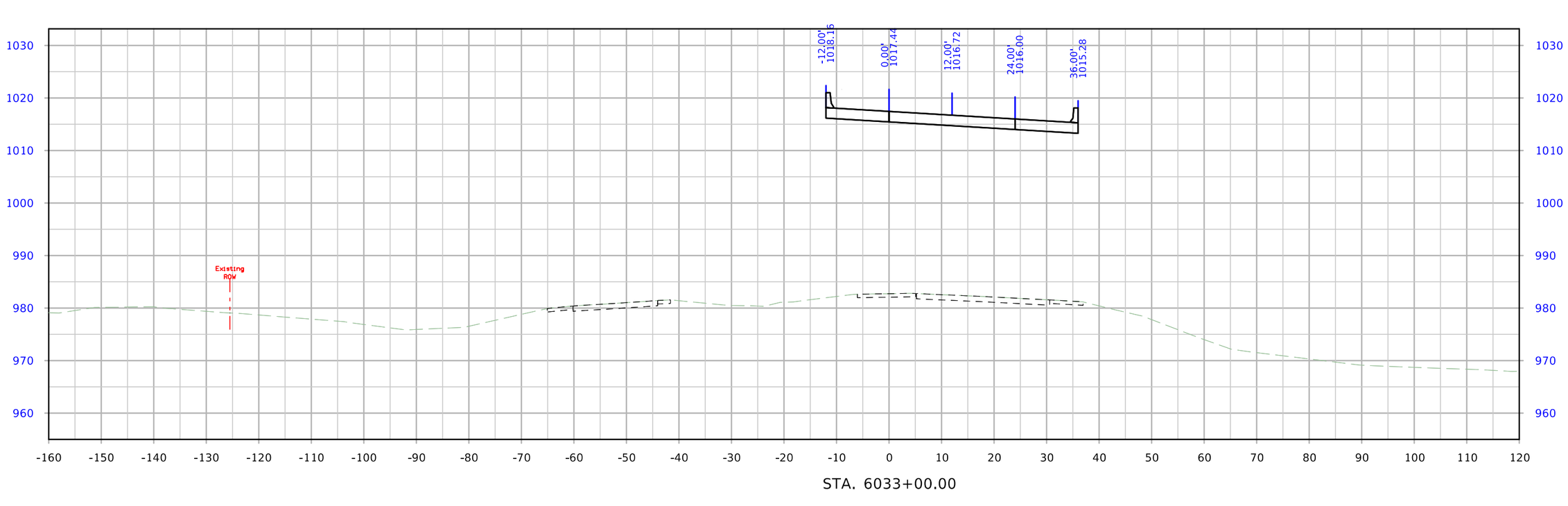
5:00:31 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y03_77035455_Z08.dgn

I-80/35 Ramp F



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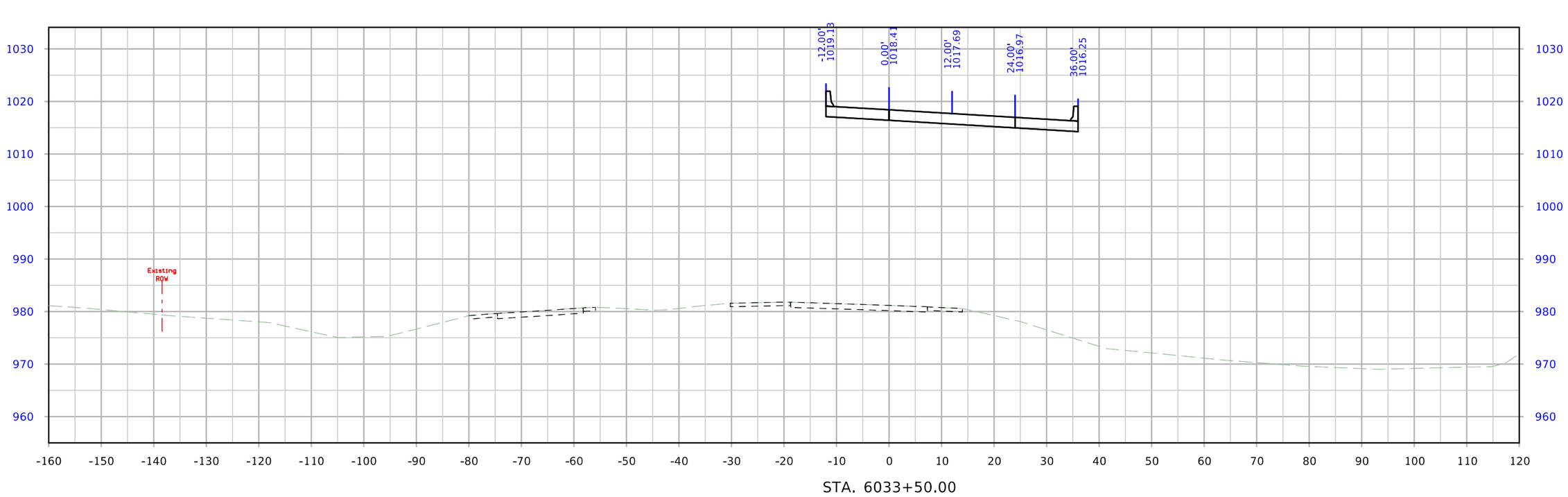
I-80/35 Ramp F



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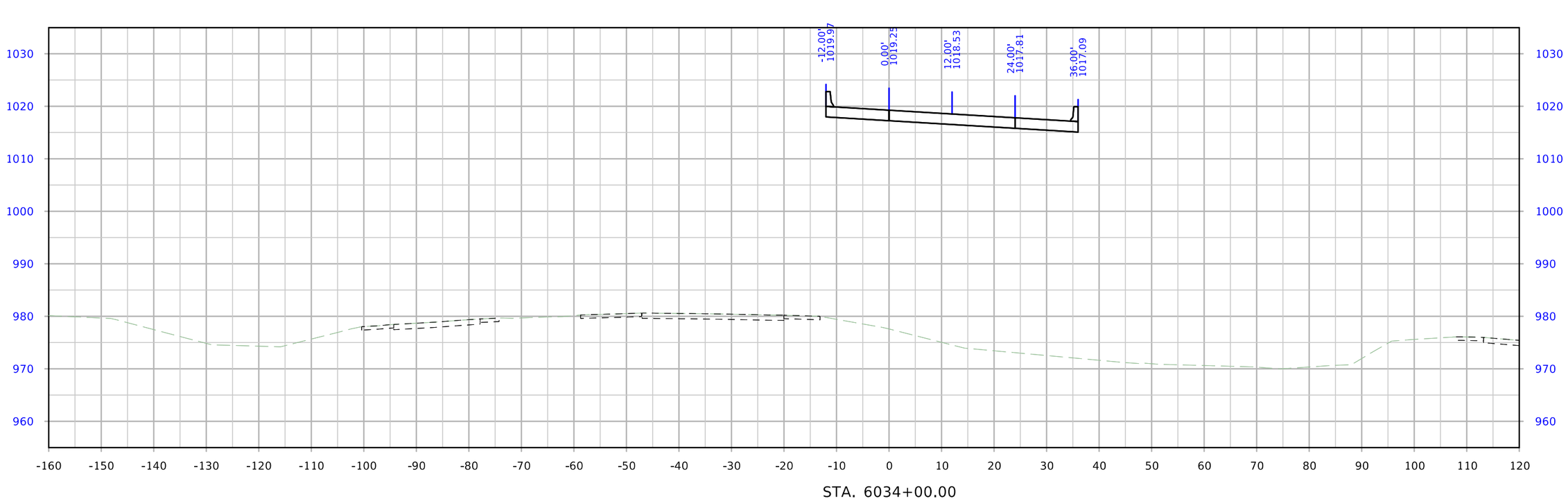
I-80/35 Ramp F



FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.69

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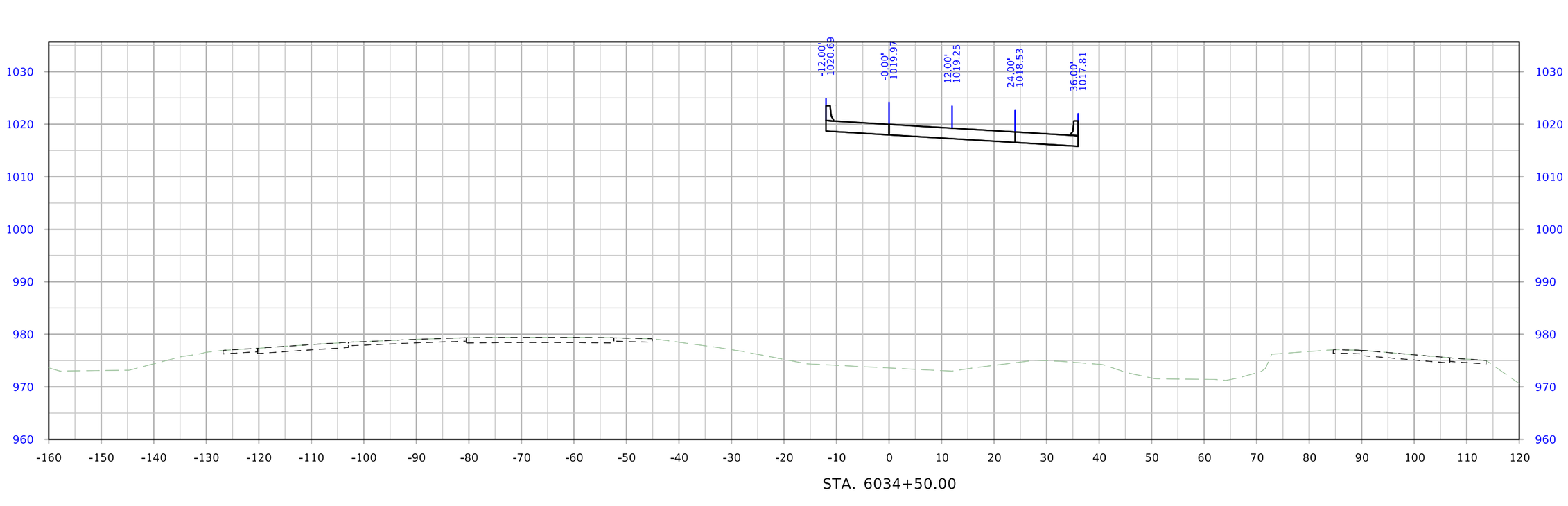
I-80/35 Ramp F



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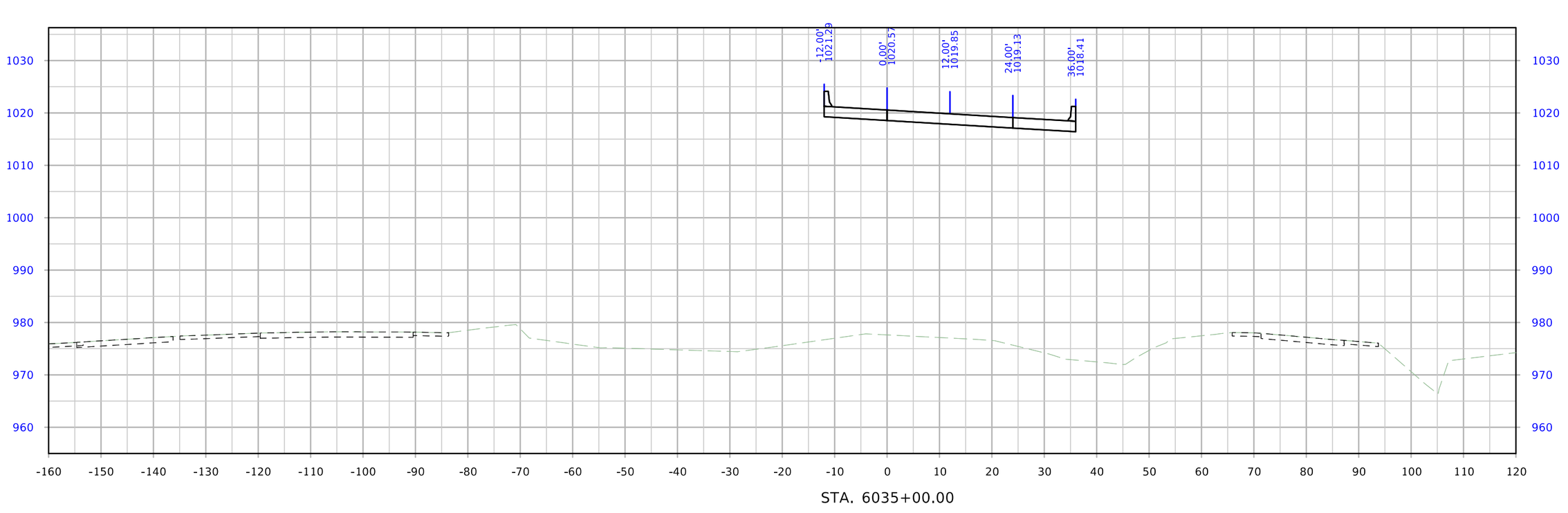
I-80/35 Ramp F



FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.71

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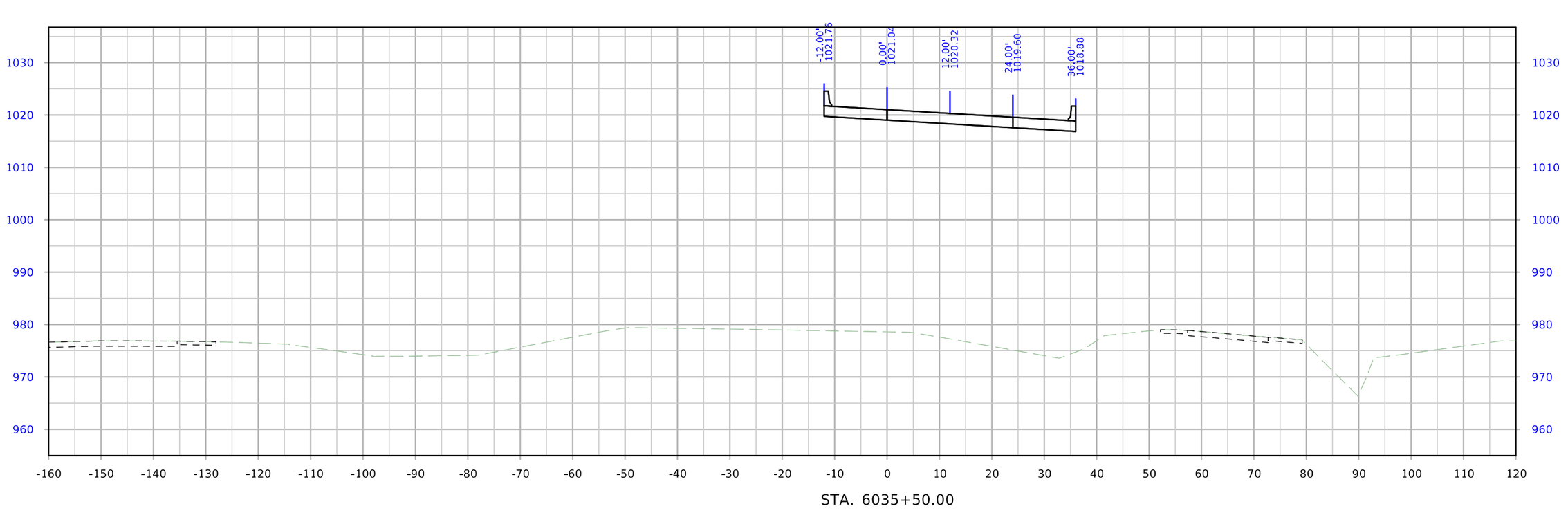
I-80/35 Ramp F



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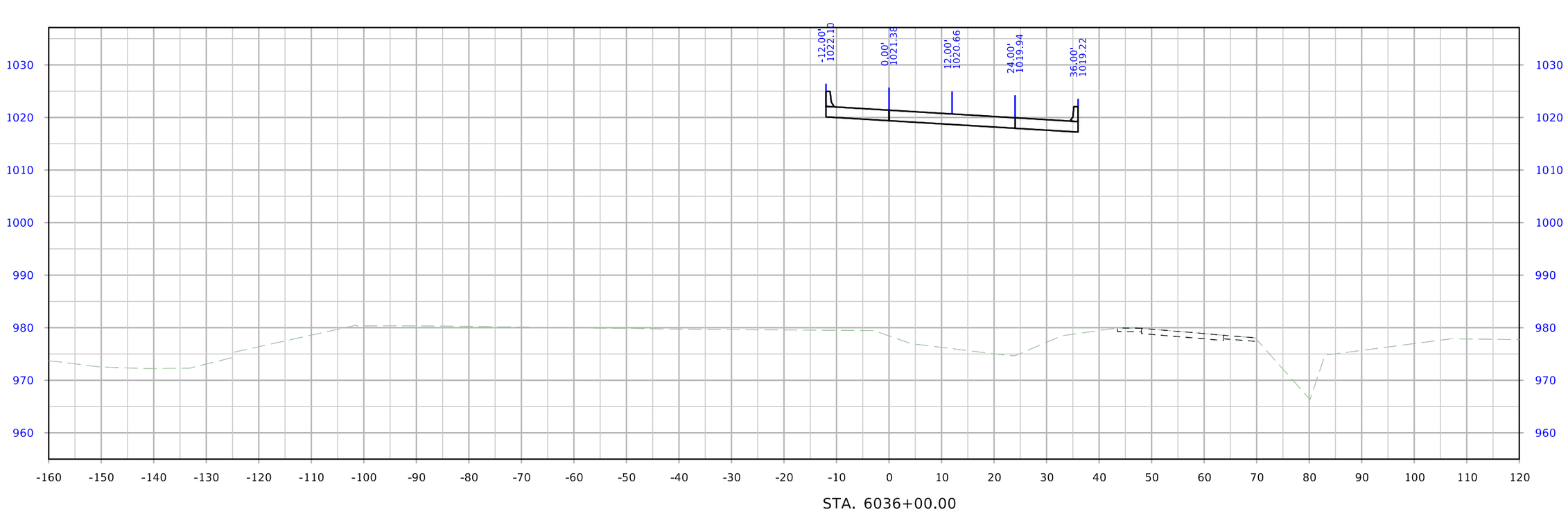
I-80/35 Ramp F



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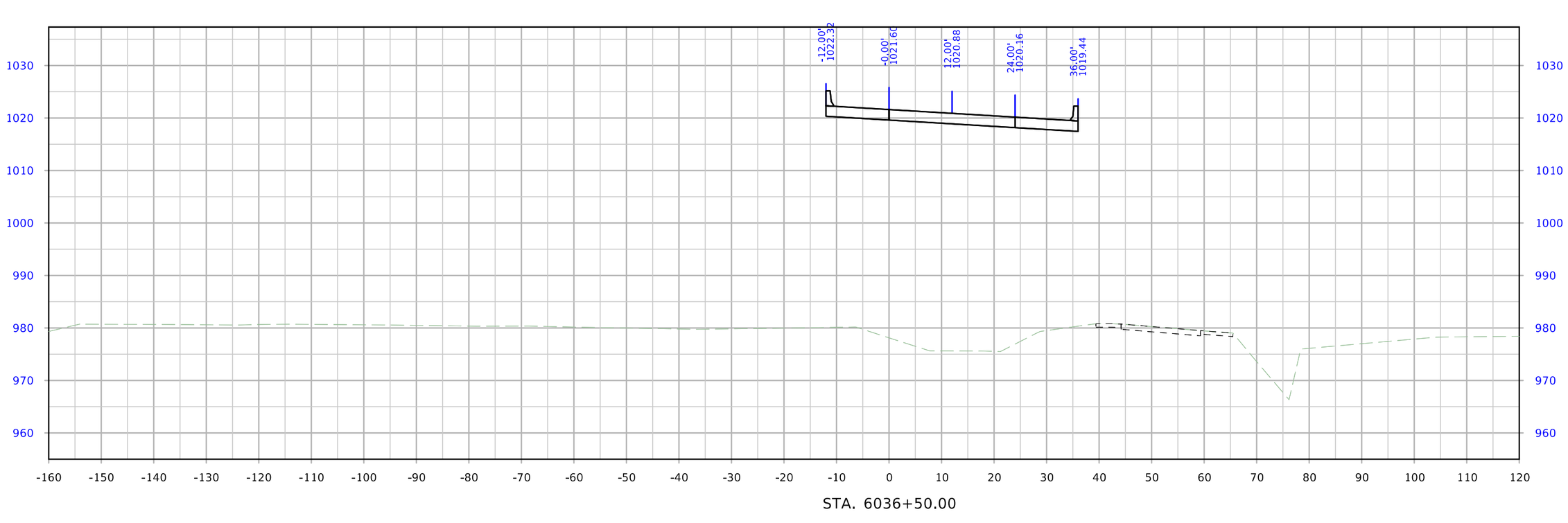
I-80/35 Ramp F



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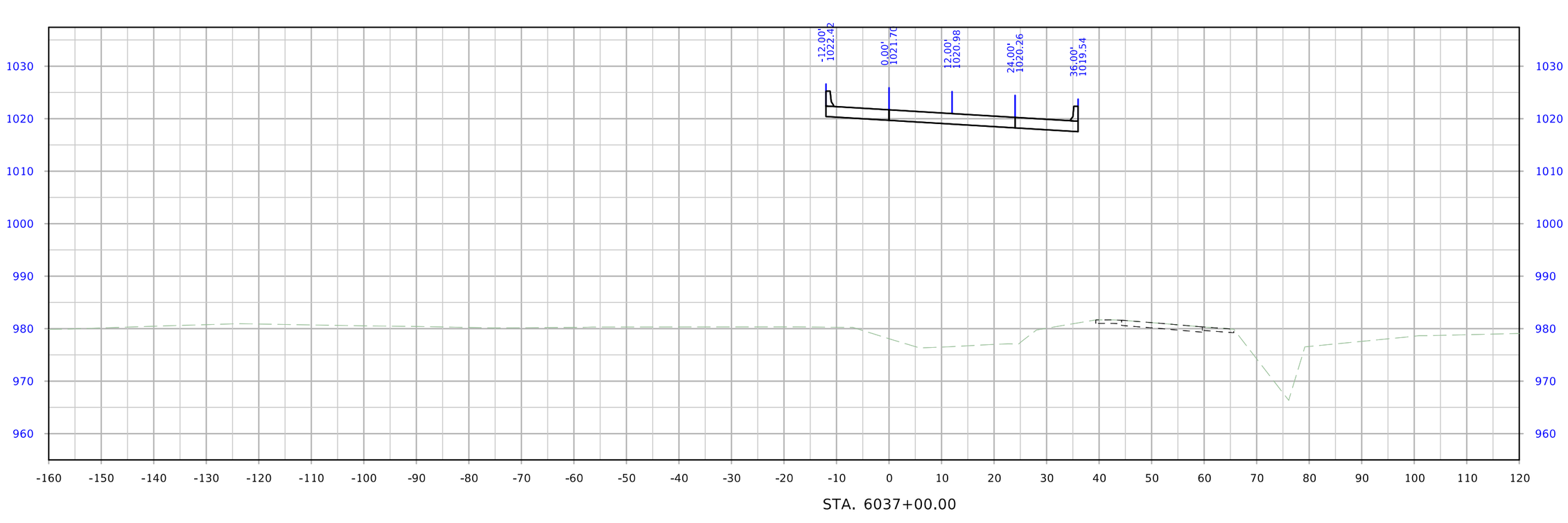
I-80/35 Ramp F



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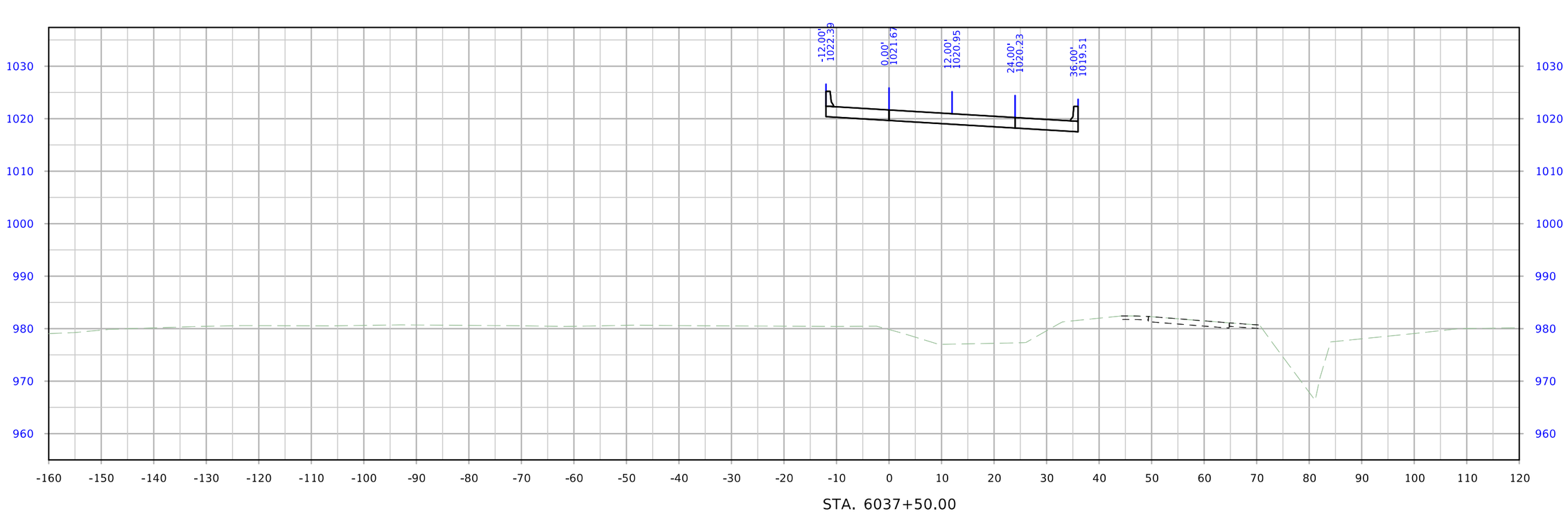
I-80/35 Ramp F



FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.76

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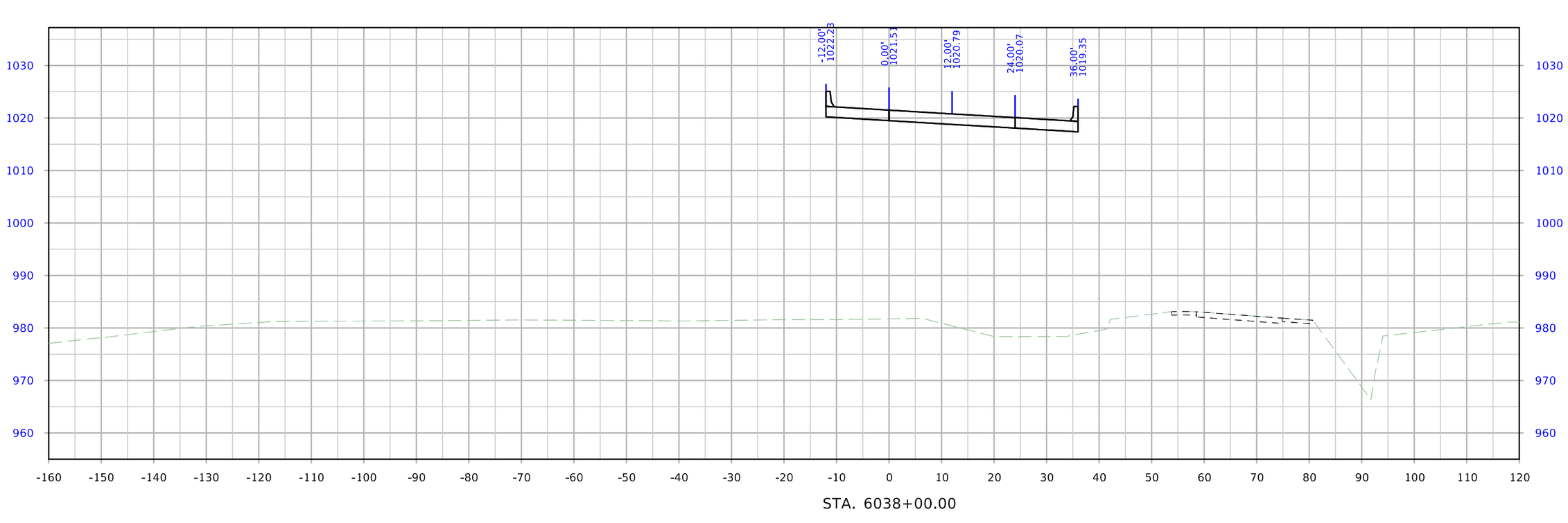
I-80/35 Ramp F



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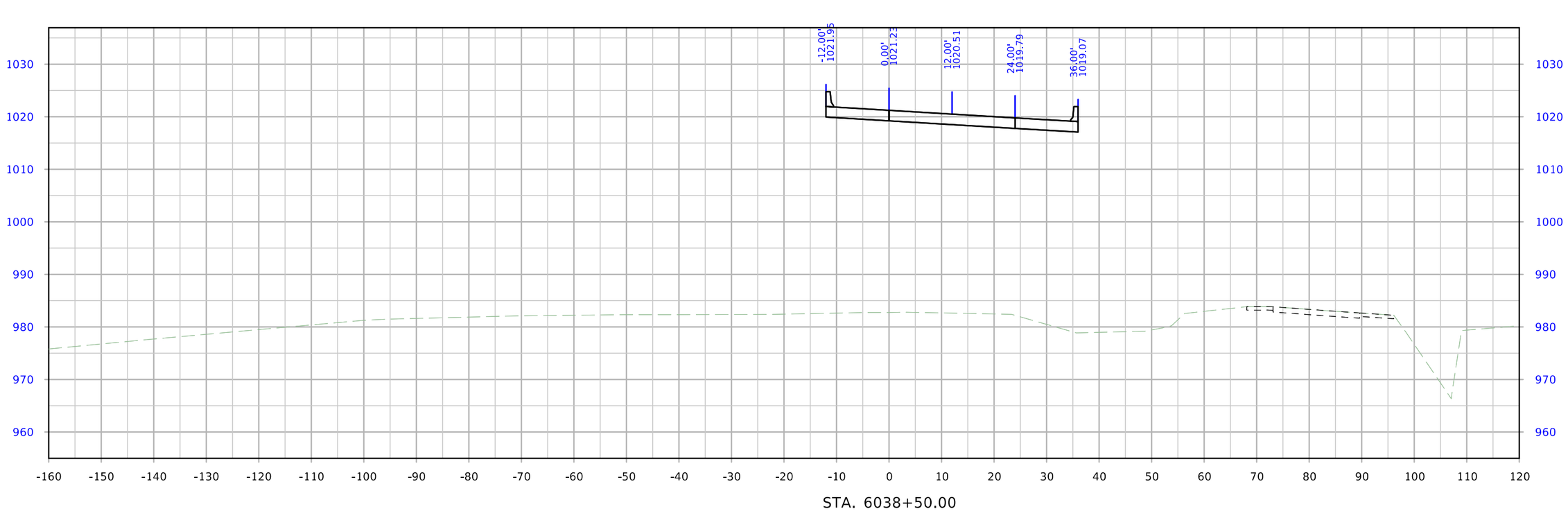
I-80/35 Ramp F



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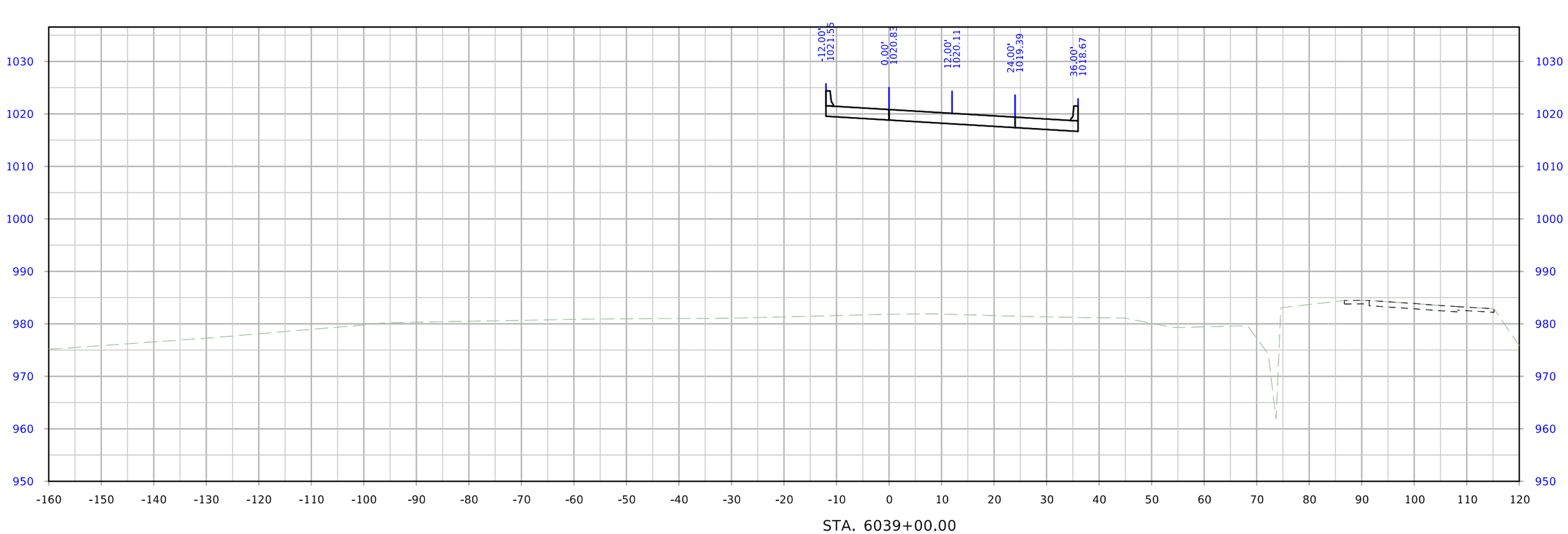
I-80/35 Ramp F



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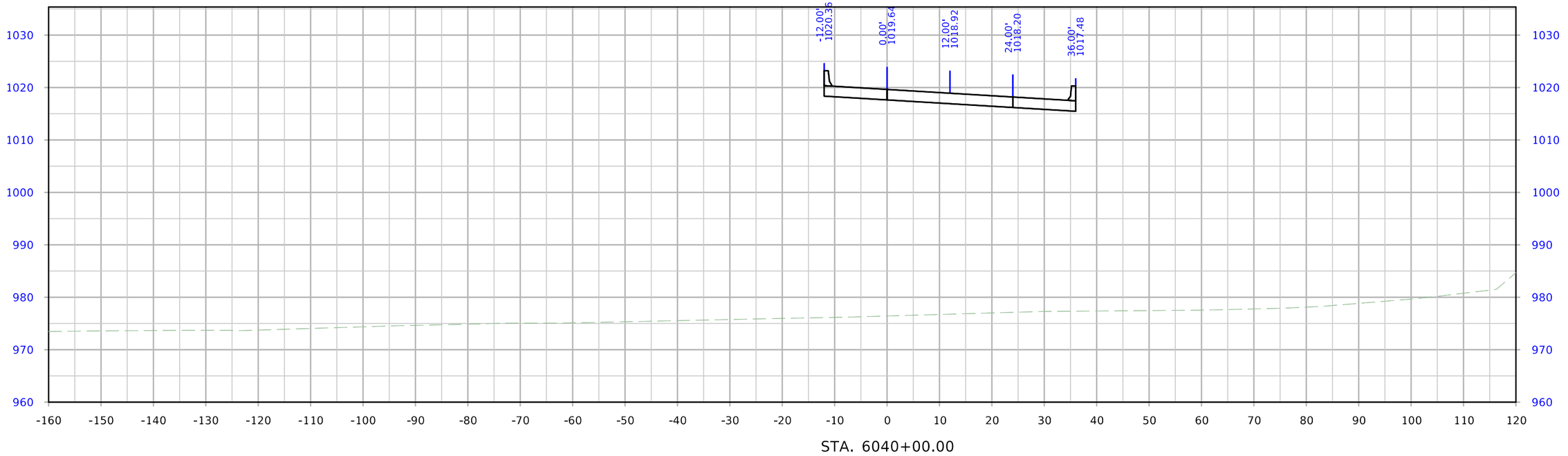
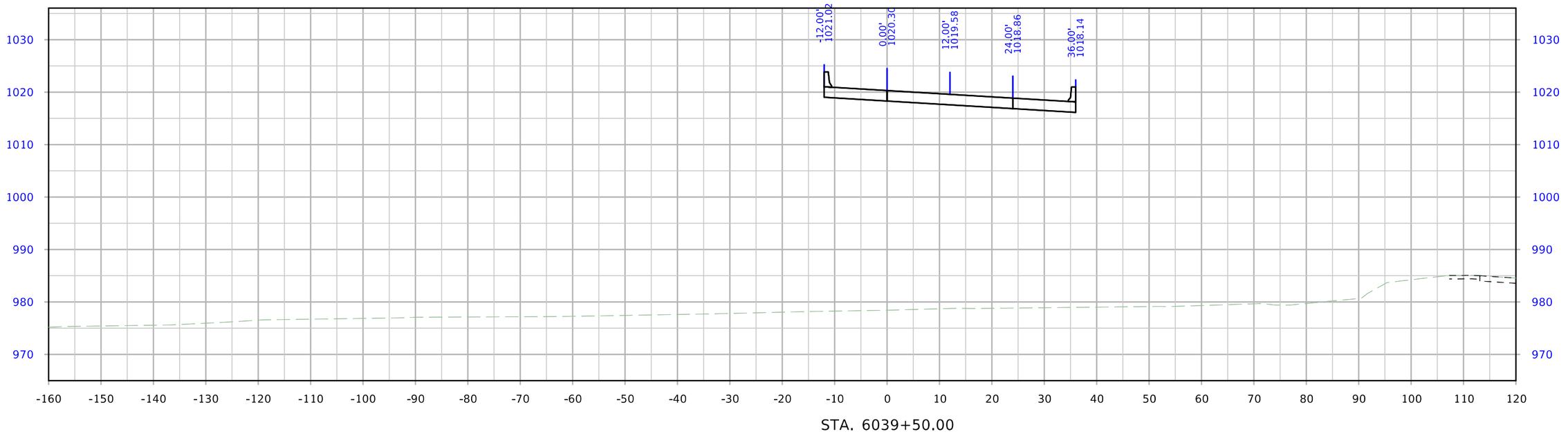
I-80/35 Ramp F



STA. 6040+00.00



STA. 6039+50.00

FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.80

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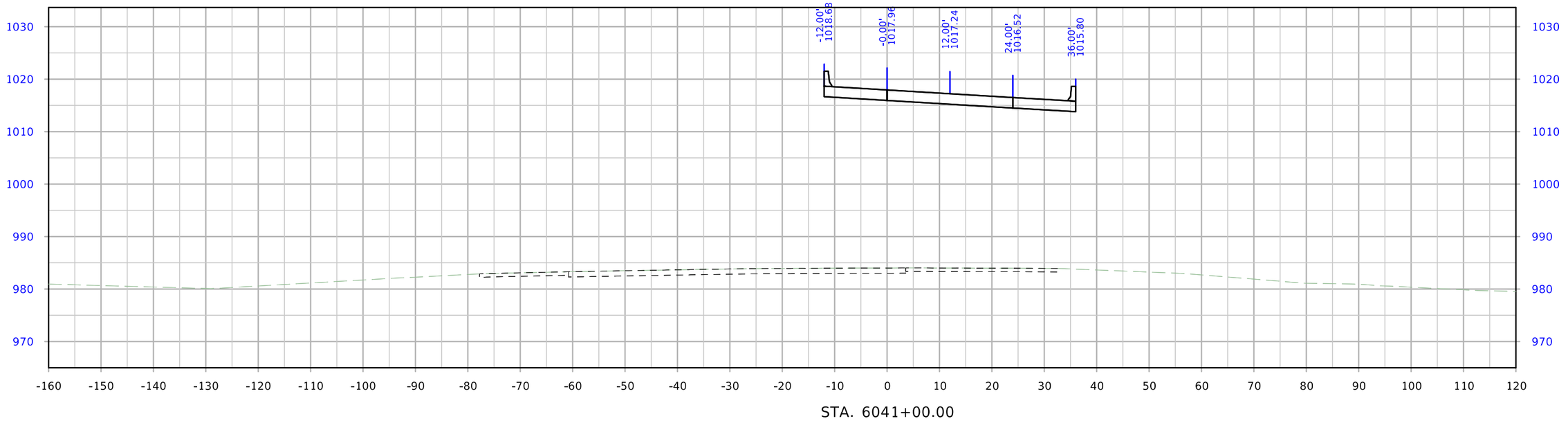
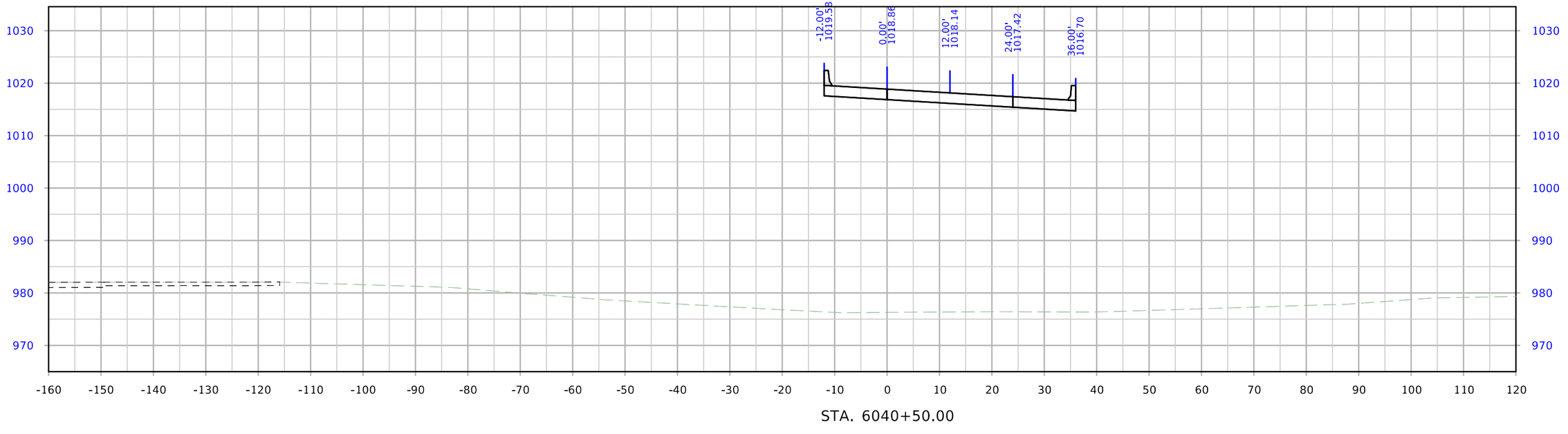
I-80/35 Ramp F



STA. 6041+00.00



STA. 6040+50.00

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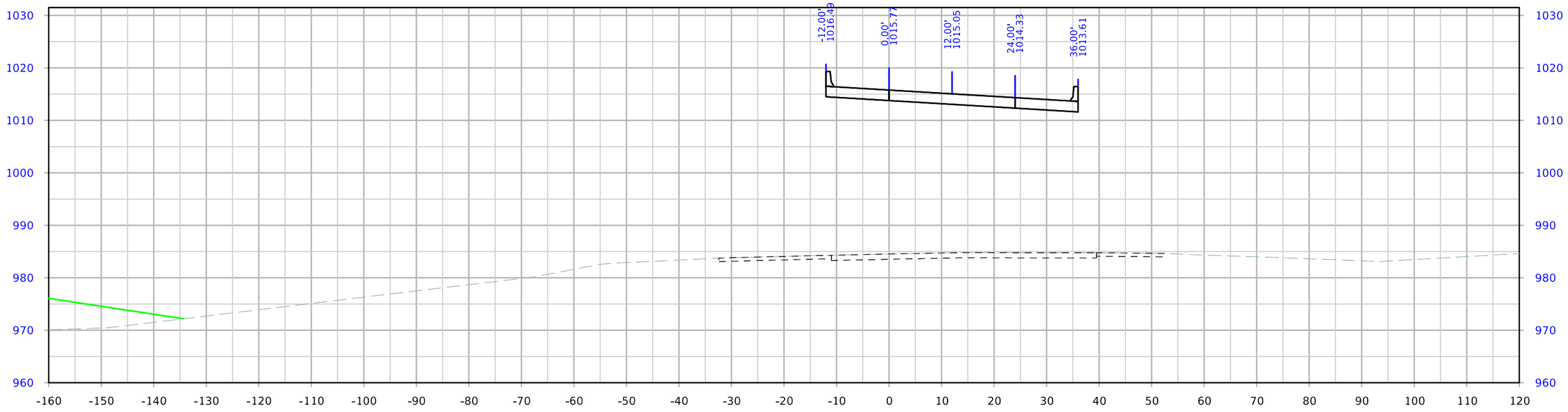
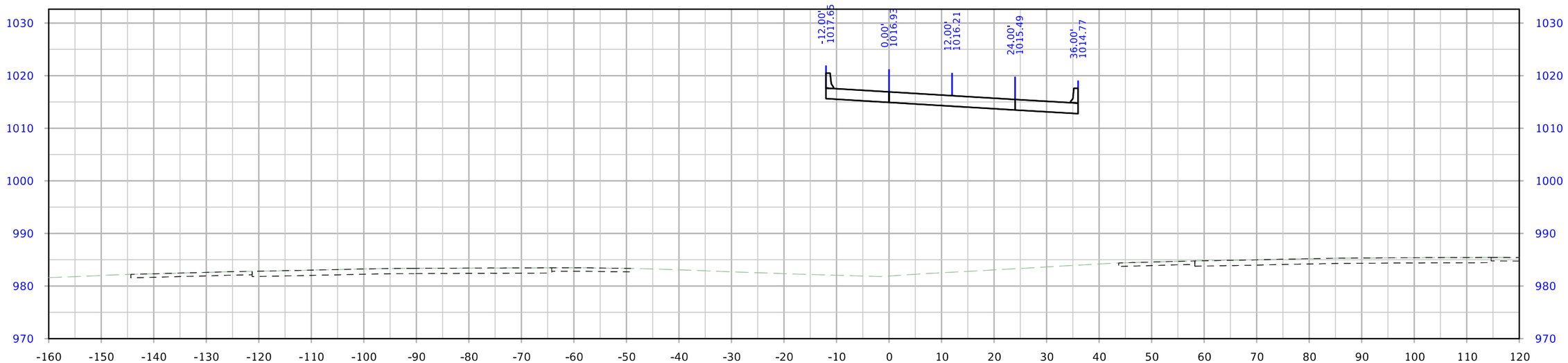
I-80/35 Ramp F



STA. 6042+00.00



STA. 6041+50.00

FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.82

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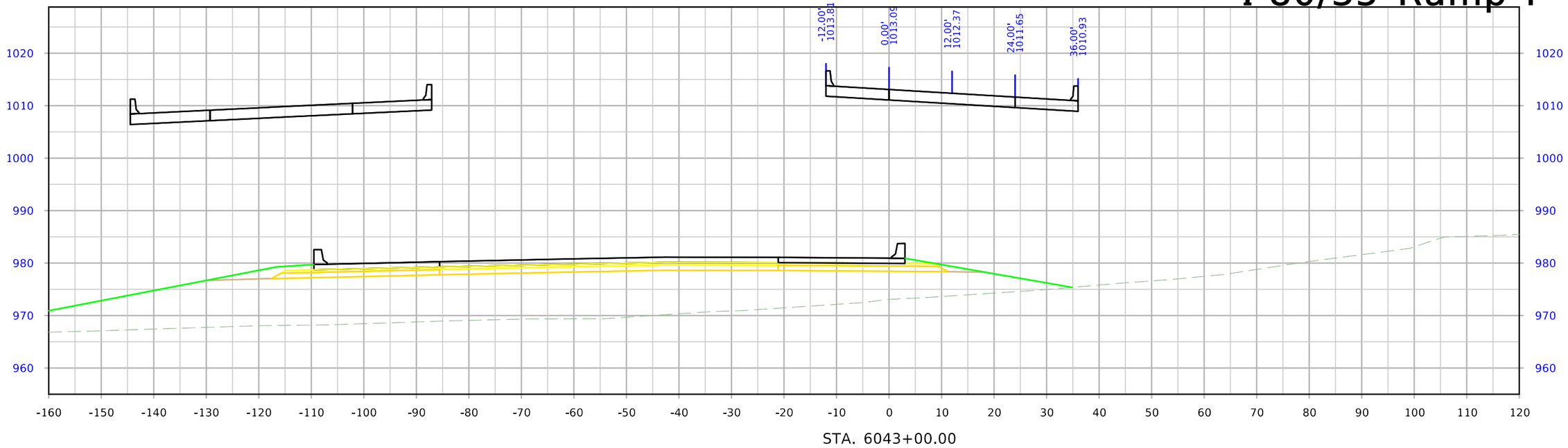
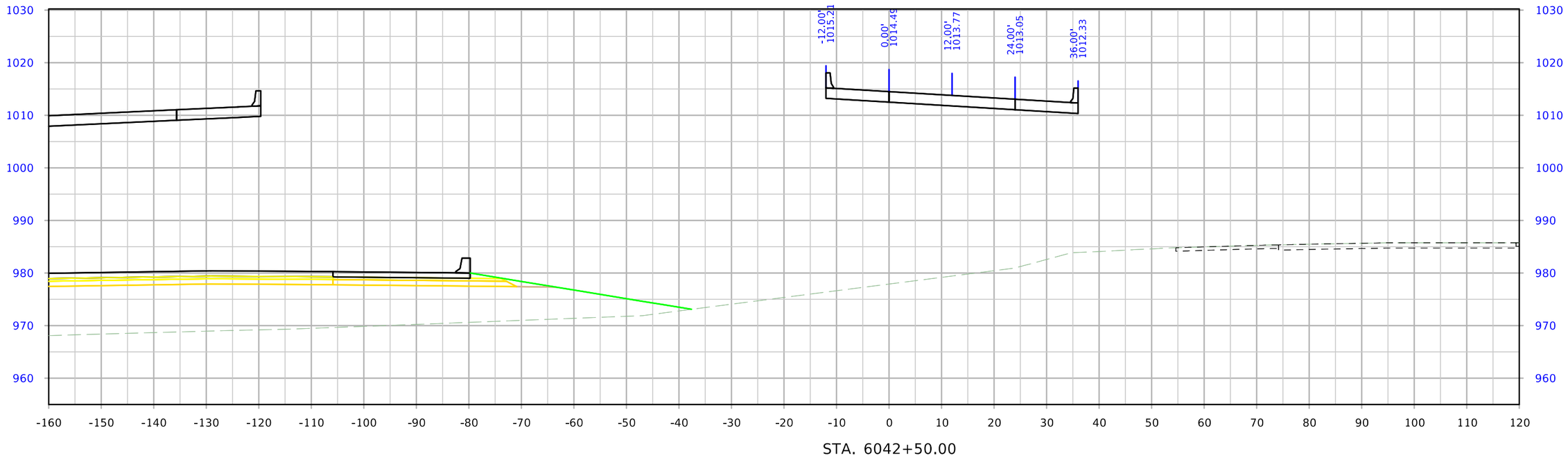
I-80/35 Ramp F



STA. 6043+00.00

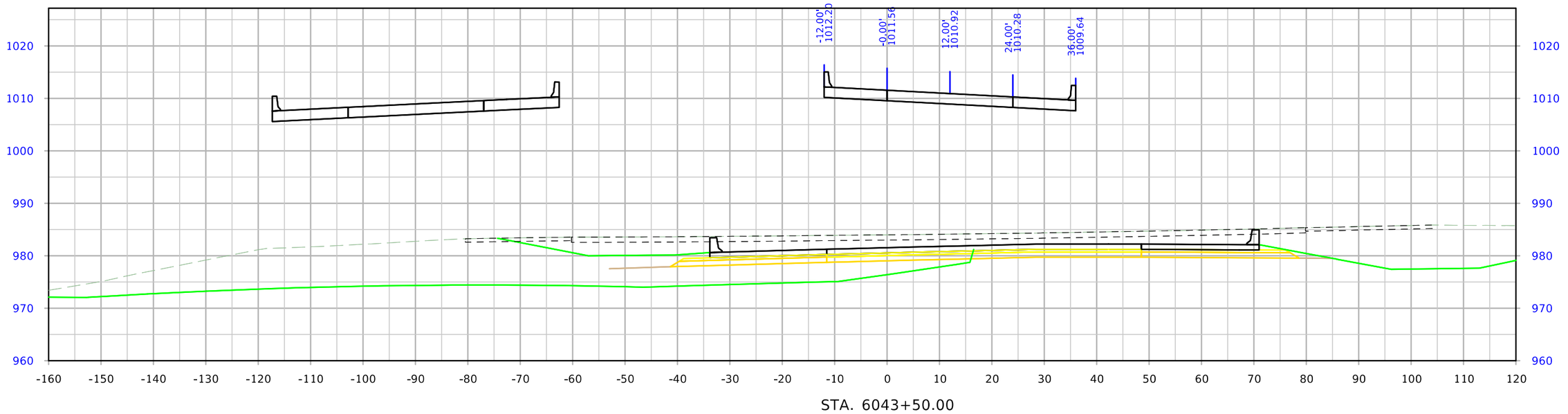


STA. 6042+50.00

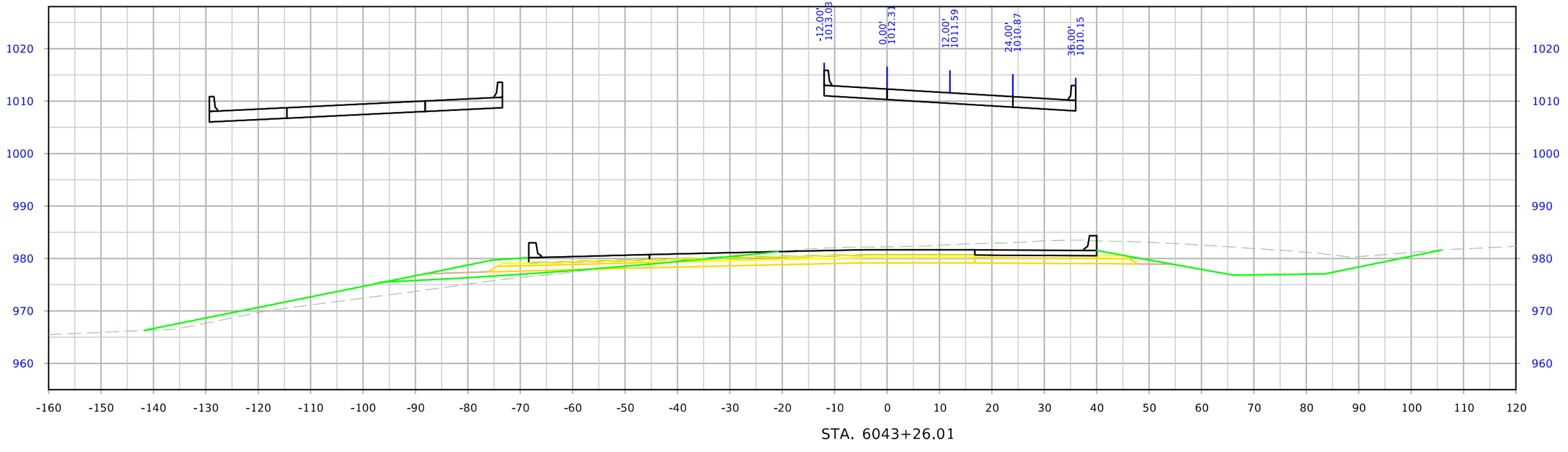
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.83

5:00:58 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y03_77035455_Z08.dgn

I-80/35 Ramp F



STA. 6043+50.00

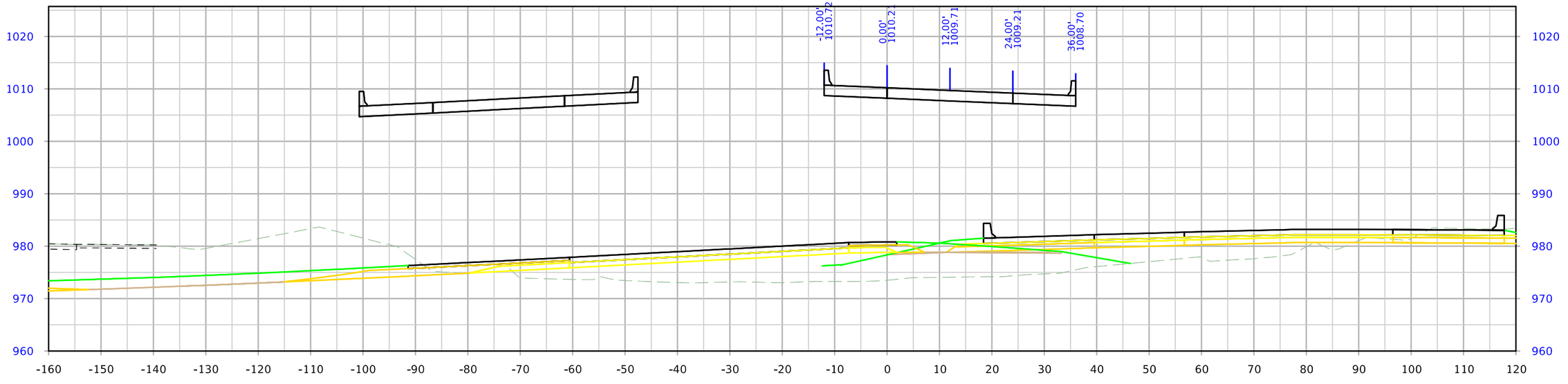


STA. 6043+26.01

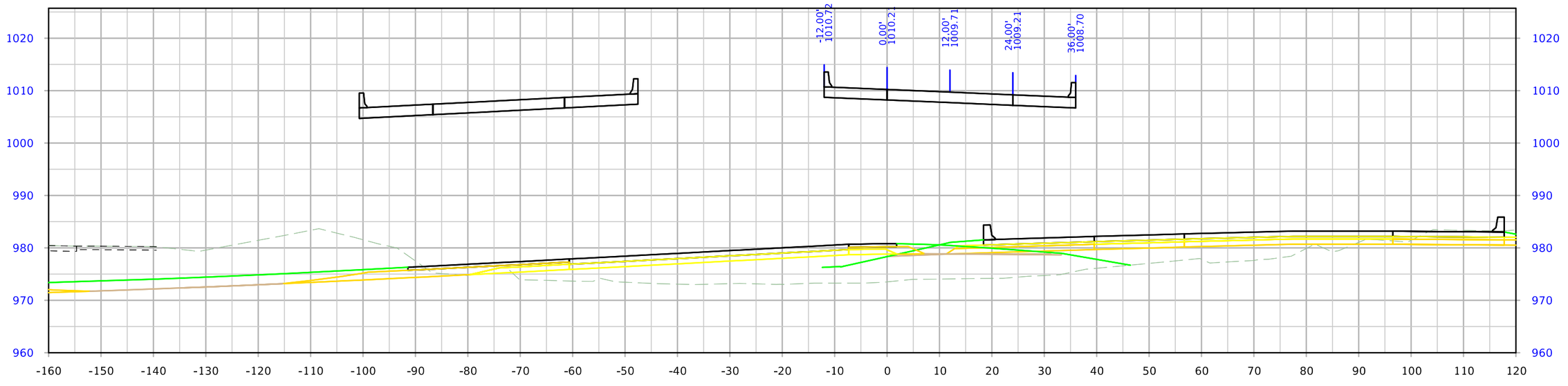
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.84

5:01:01 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y03_77035455_Z08.dgn

I-80/35 Ramp F



STA. 6043+90.81



STA. 6043+90.80

FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.85

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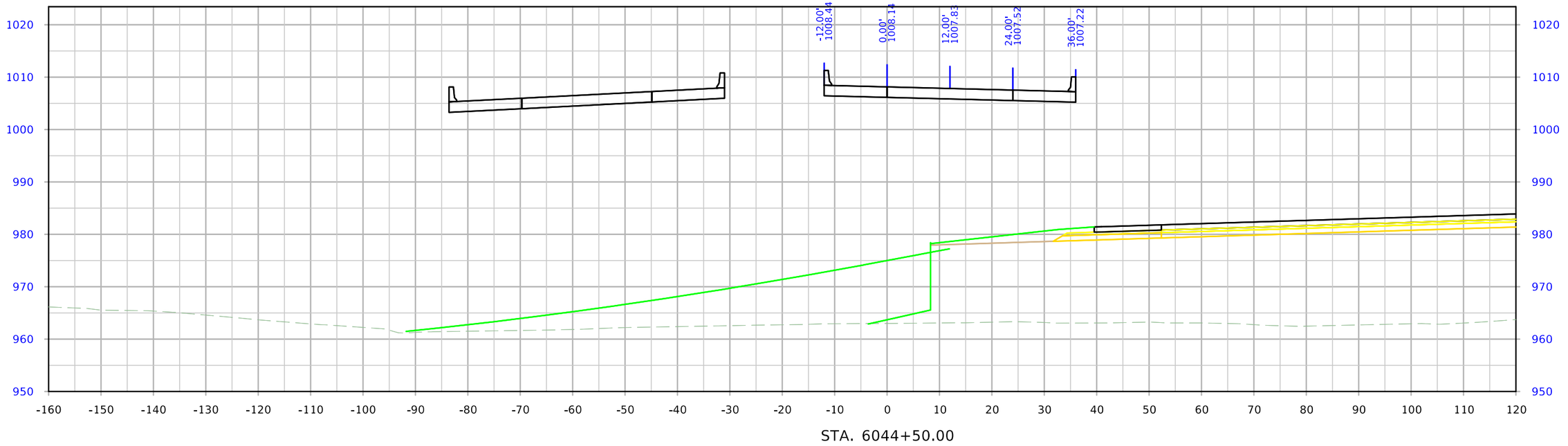
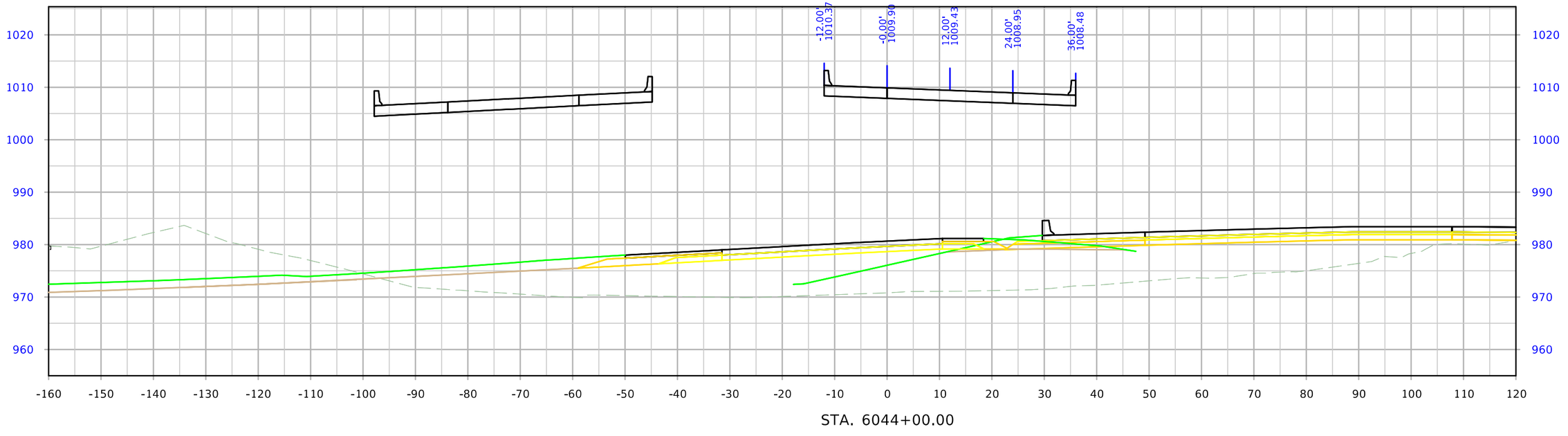
I-80/35 Ramp F



STA. 6044+50.00



STA. 6044+00.00

FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.86

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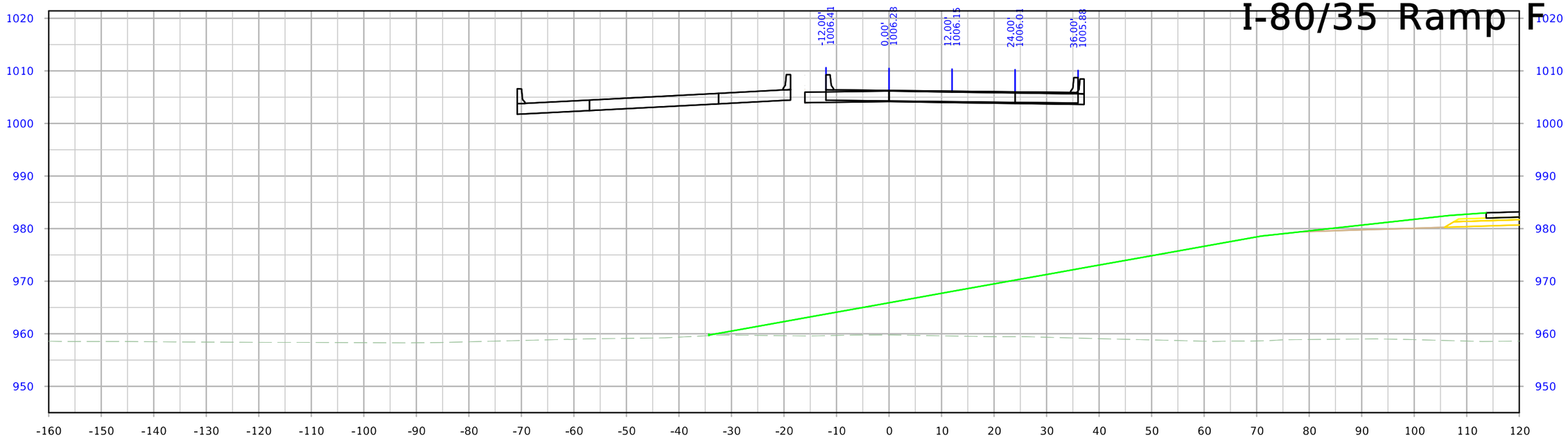
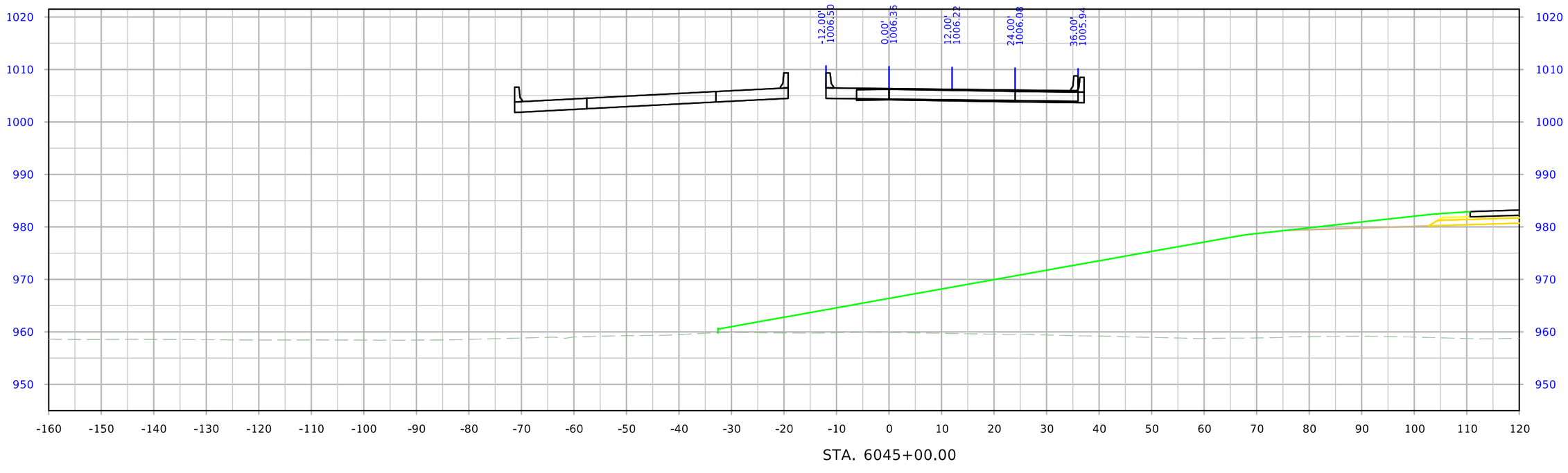
I-80/35 Ramp F



STA. 6045+02.13

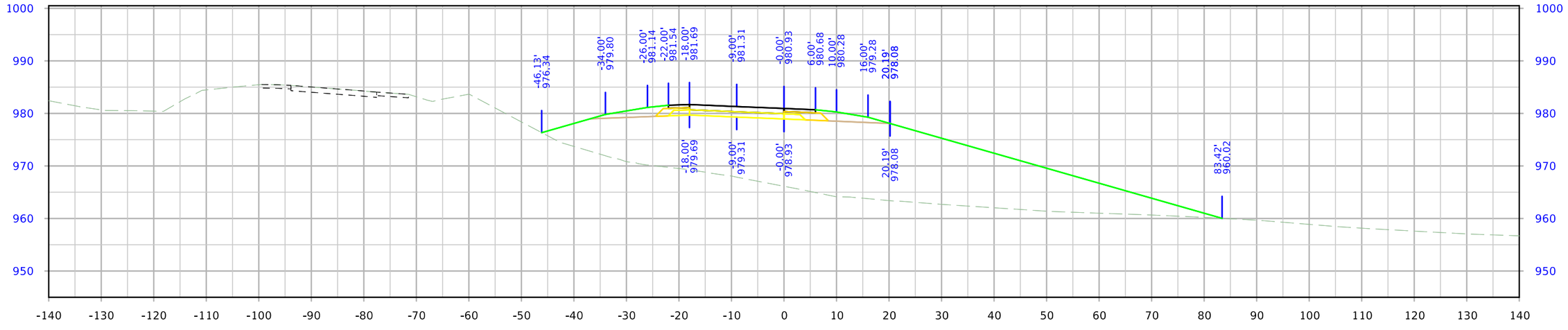


STA. 6045+00.00

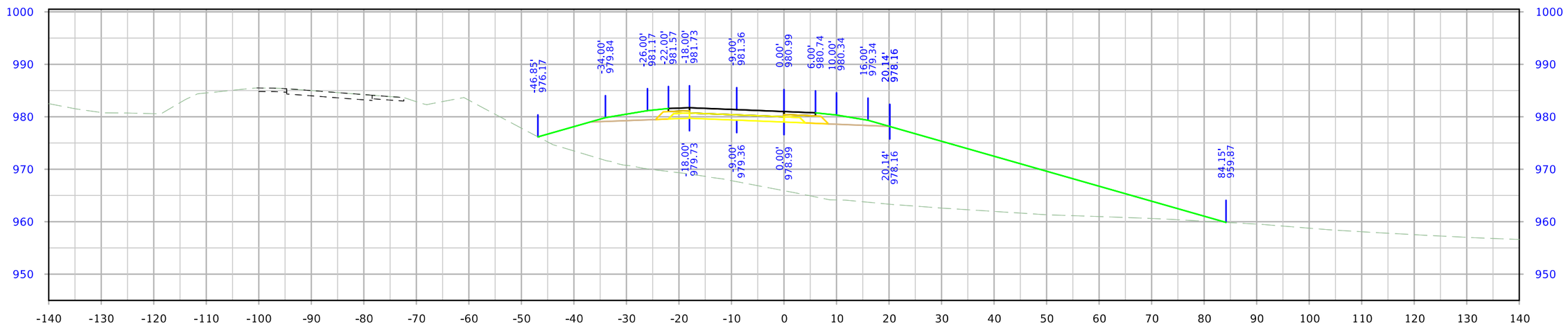
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.87

5:01:09 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y03_77035455_Z08.dgn

I-80/35 Ramp G



STA. 8324+27.11

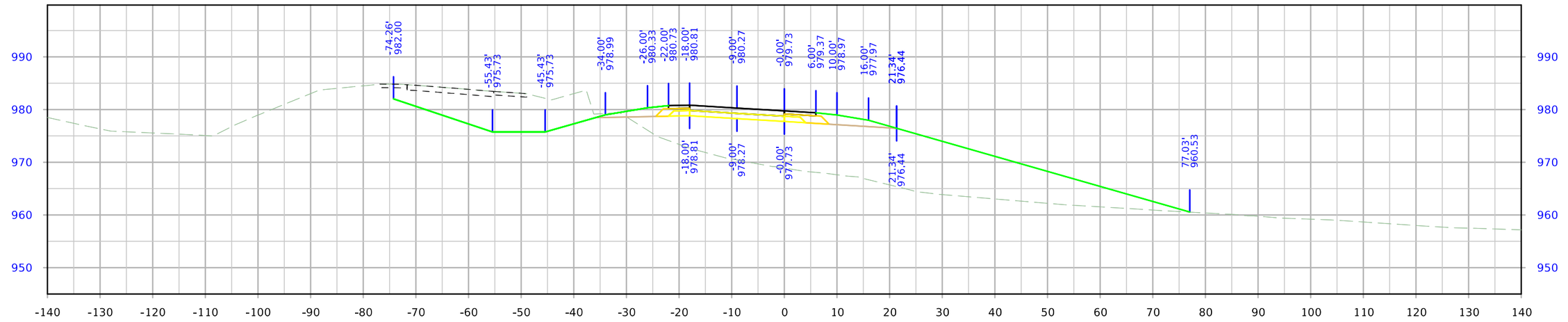


STA. 8324+25.01

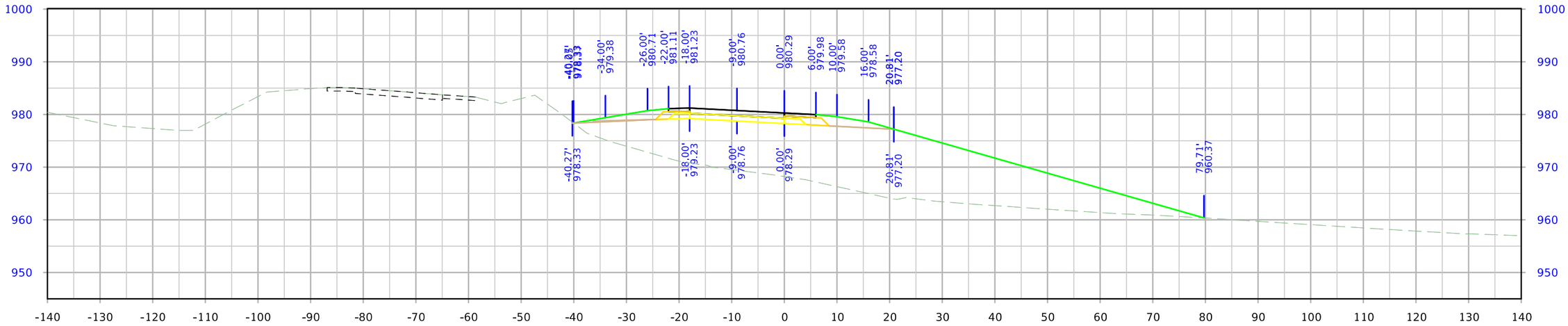
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.88	

5:01:17 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y04_77035455_Z08.dgn

I-80/35 Ramp G



STA. 8324+68.21

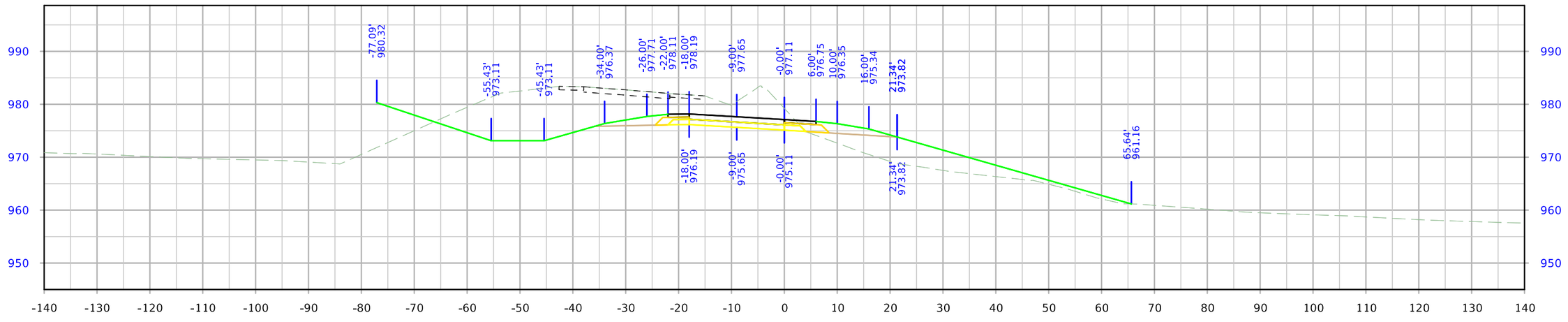


STA. 8324+50.00

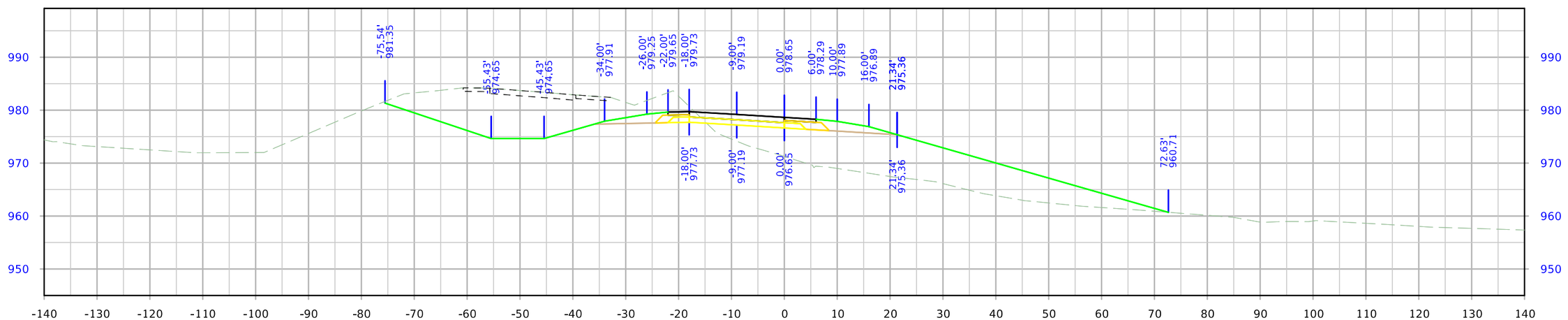
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.89	

5:01:19 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y04_77035455_Z08.dgn

I-80/35 Ramp G



STA. 8325+40.00

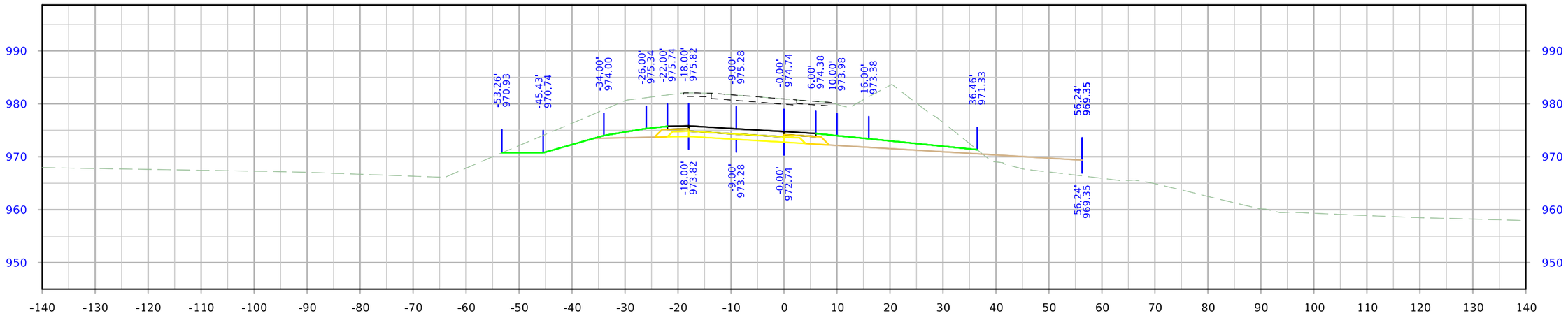


STA. 8325+00.00

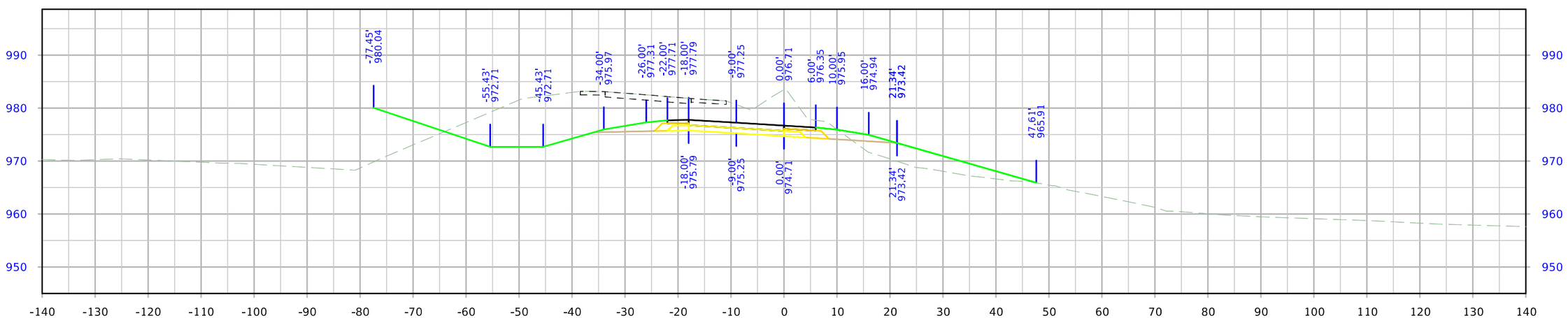
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.90

5:01:22 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y04_77035455_Z08.dgn

I-80/35 Ramp G



STA. 8326+00.00

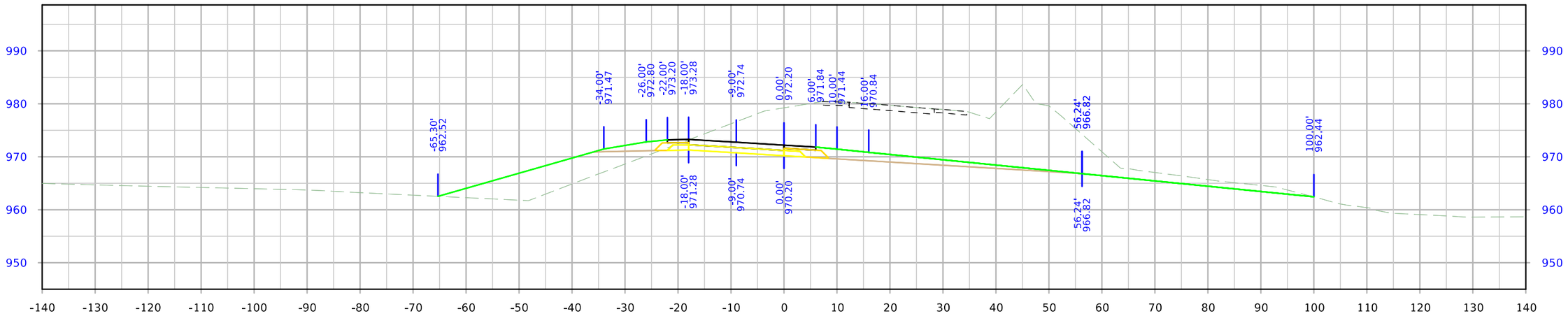


STA. 8325+50.00

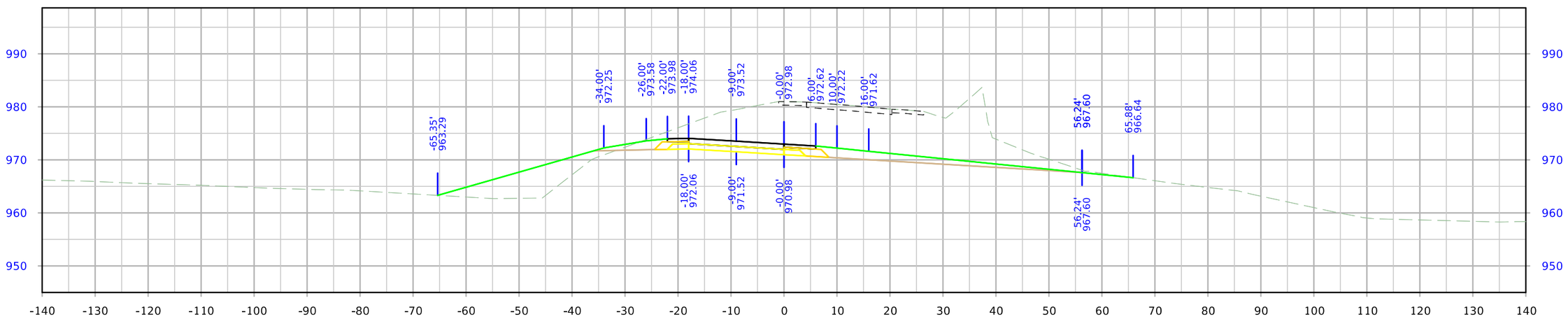
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.91

5:01:24 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y04_77035455_Z08.dgn

I-80/35 Ramp G



STA. 8326+75.00

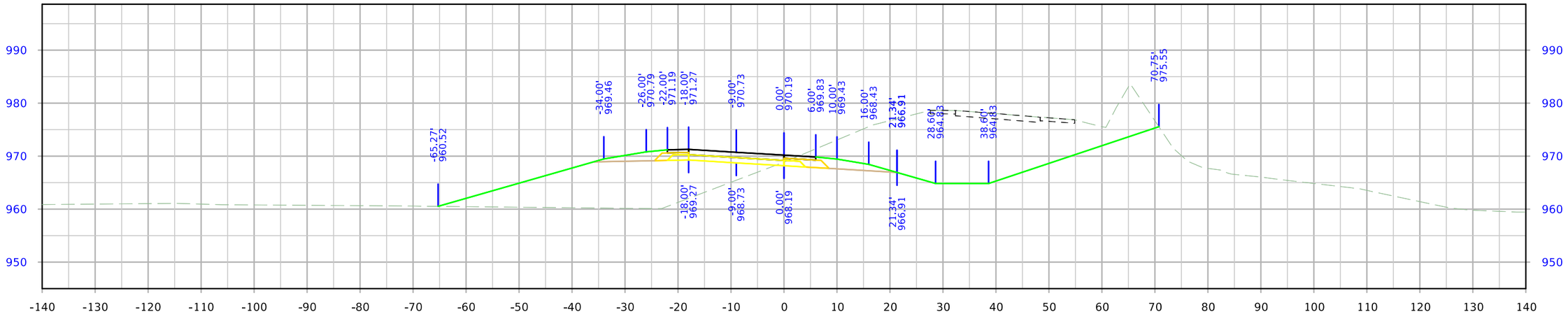


STA. 8326+50.00

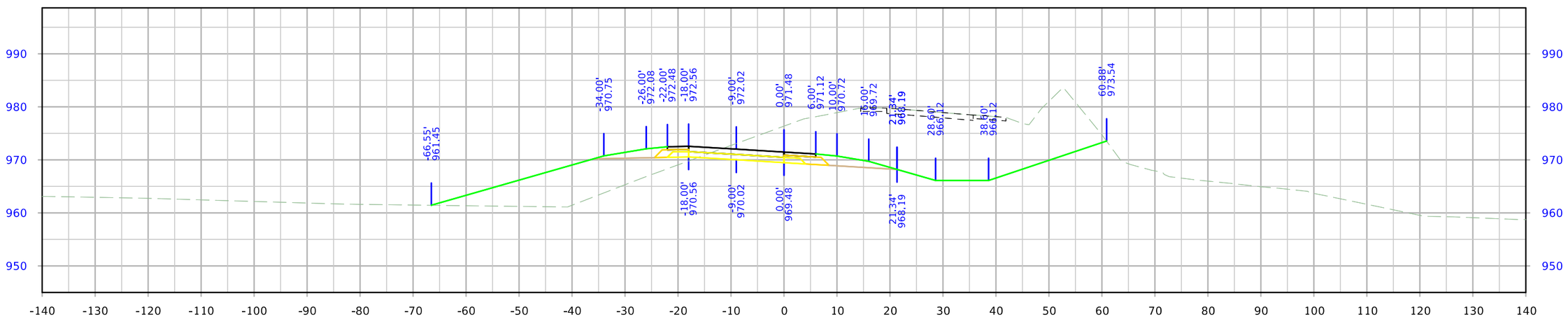
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.92

5:01:26 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y04_77035455_Z08.dgn

I-80/35 Ramp G



STA. 8327+50.00

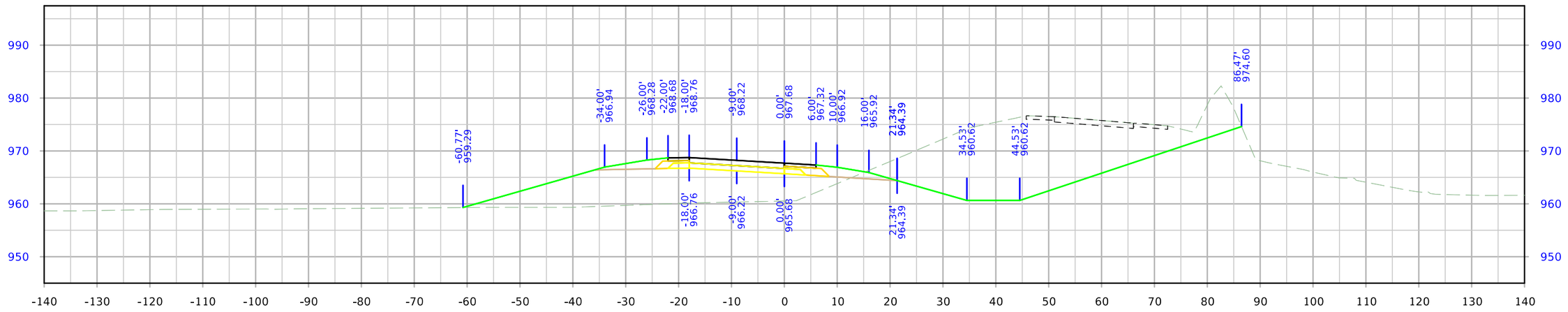


STA. 8327+00.00

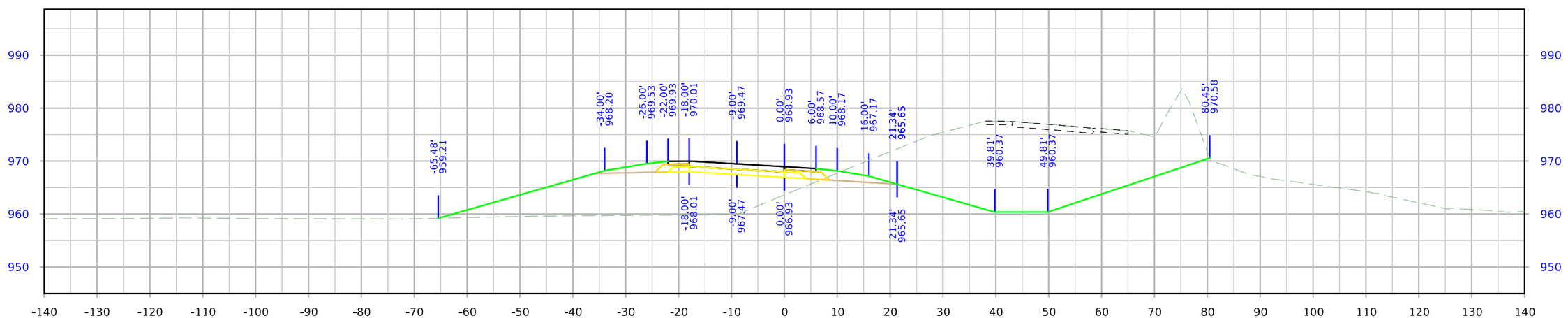
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.93

5:01:28 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y04_77035455_Z08.dgn

I-80/35 Ramp G



STA. 8328+50.00

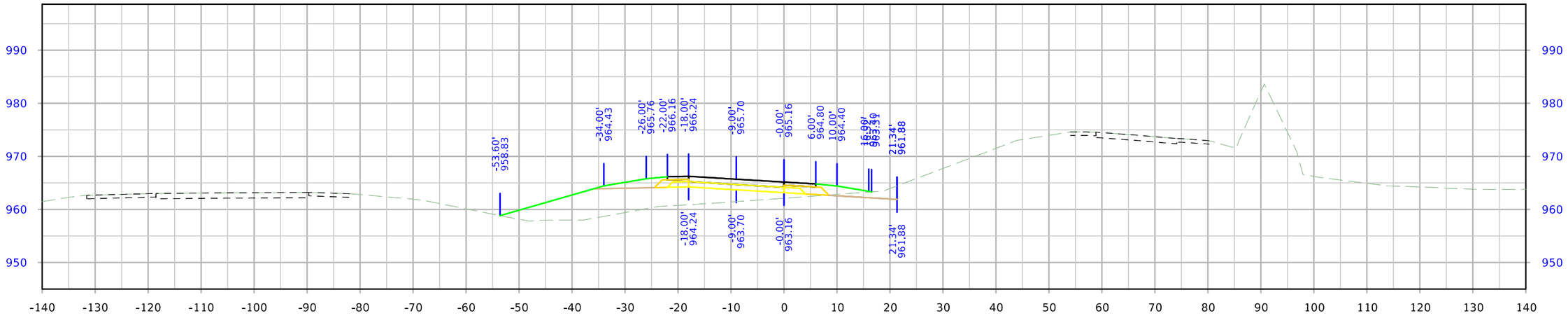


STA. 8328+00.00

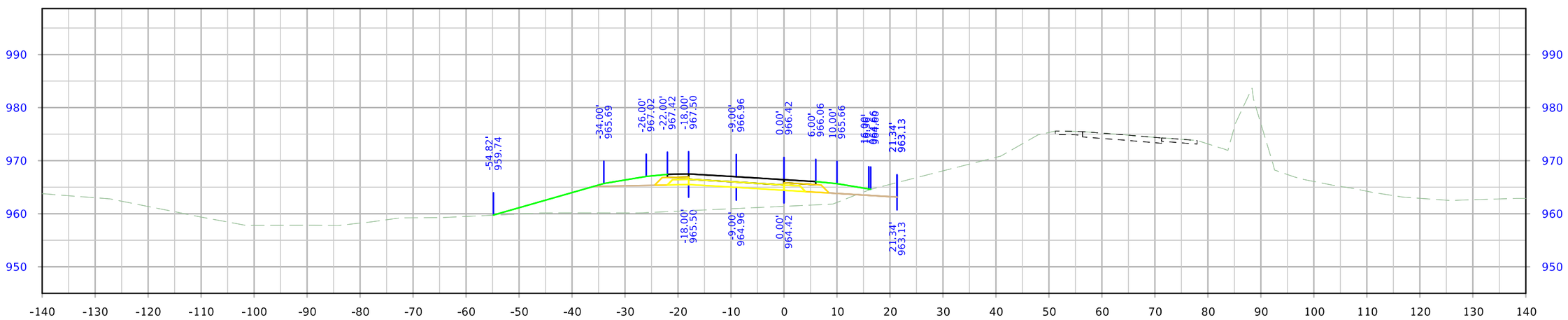
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.94

5:01:29 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y04_77035455_Z08.dgn

I-80/35 Ramp G



STA. 8329+50.00



STA. 8329+00.00

FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.95

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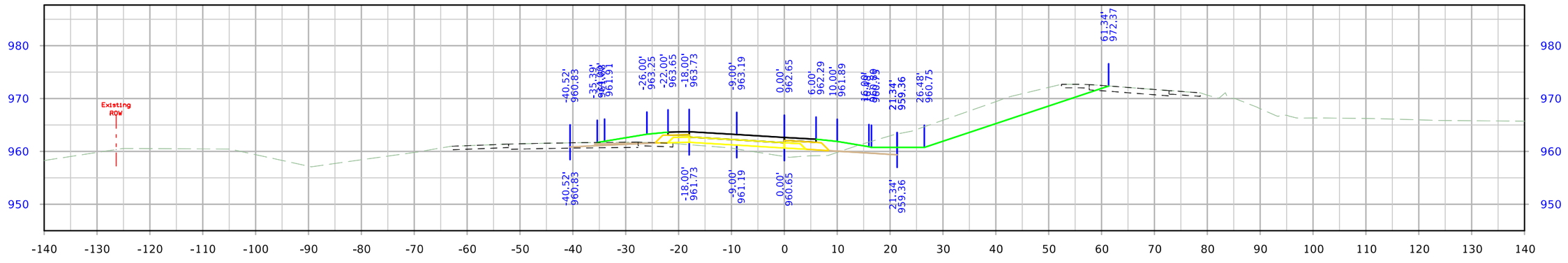
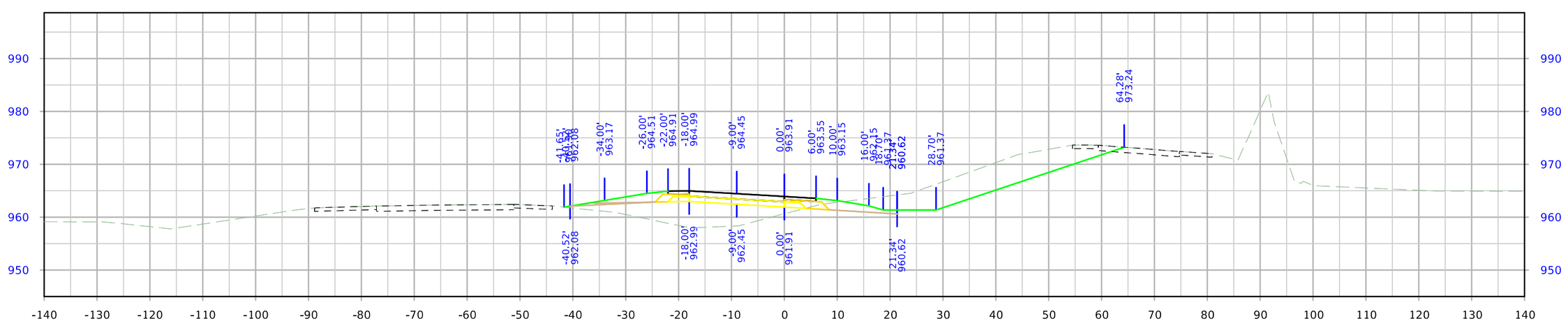
I-80/35 Ramp G



STA. 8330+50.00



STA. 8330+00.00

FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.96

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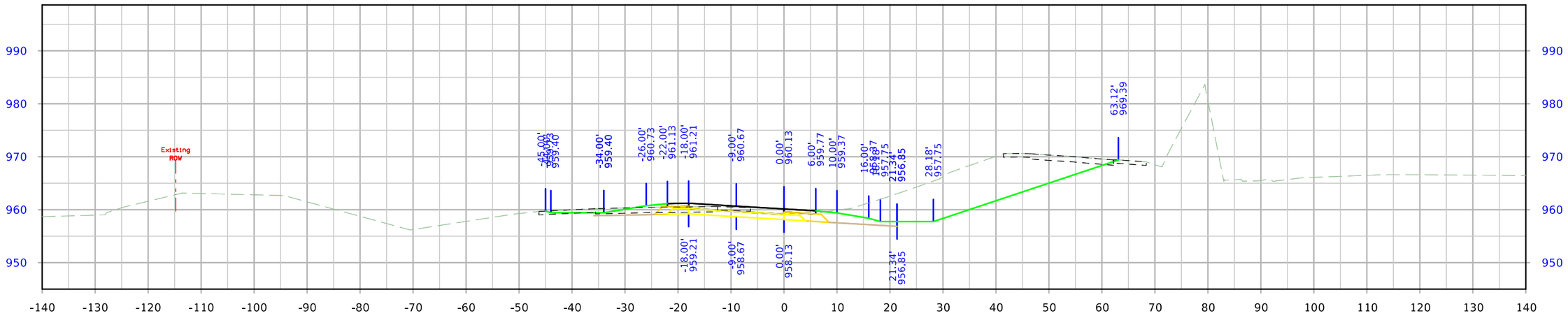
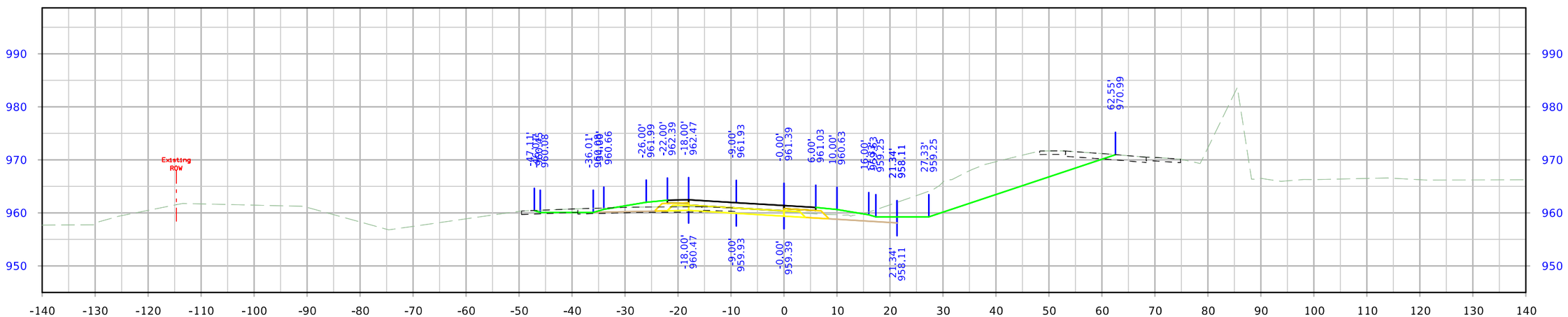
I-80/35 Ramp G



STA. 8331+50.00



STA. 8331+00.00

FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.97

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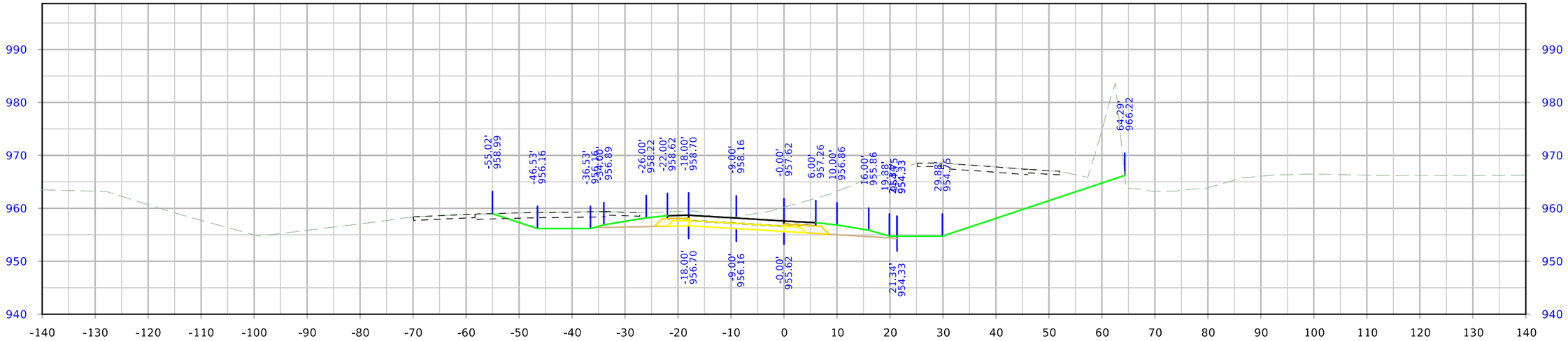
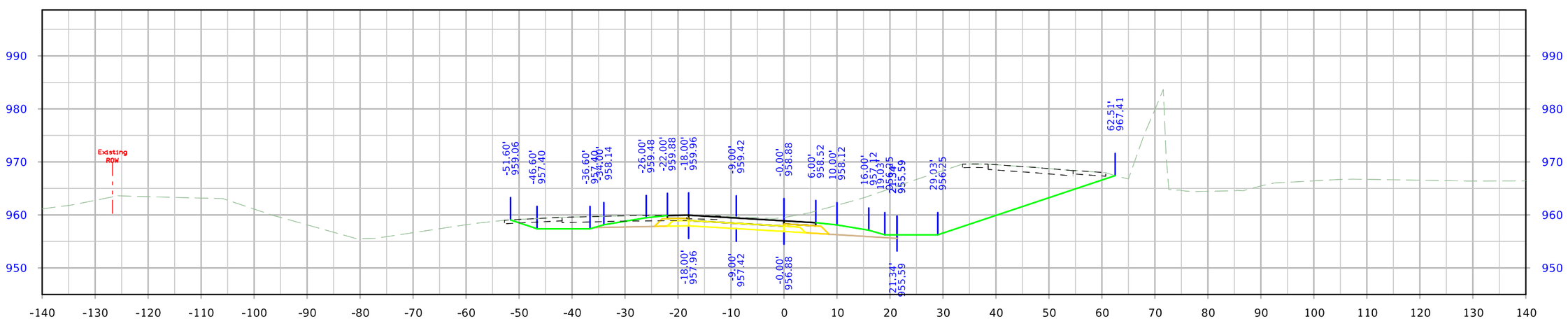
I-80/35 Ramp G



STA. 8332+50.00

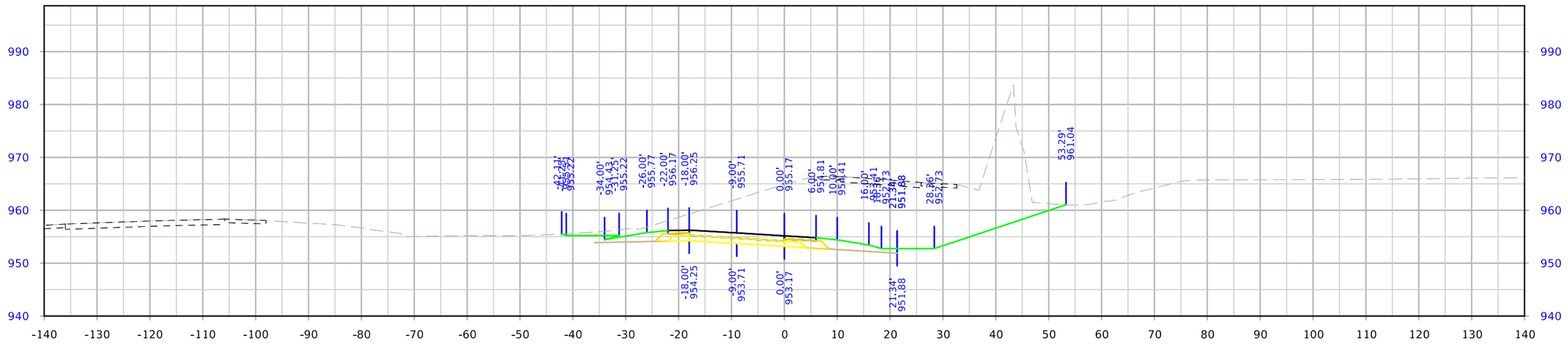


STA. 8332+00.00

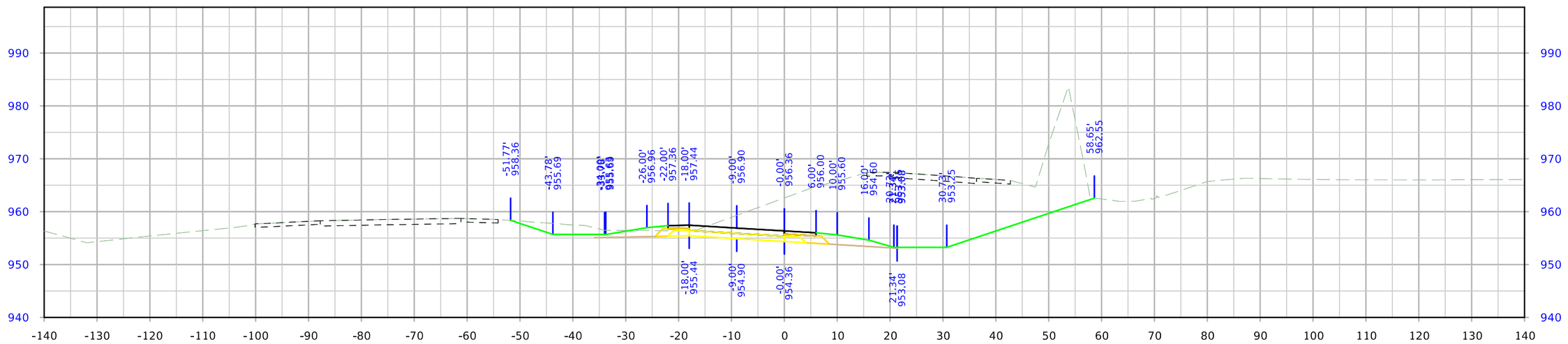
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.98

5:01:37 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y04_77035455_Z08.dgn

I-80/35 Ramp G



STA. 8333+50.00

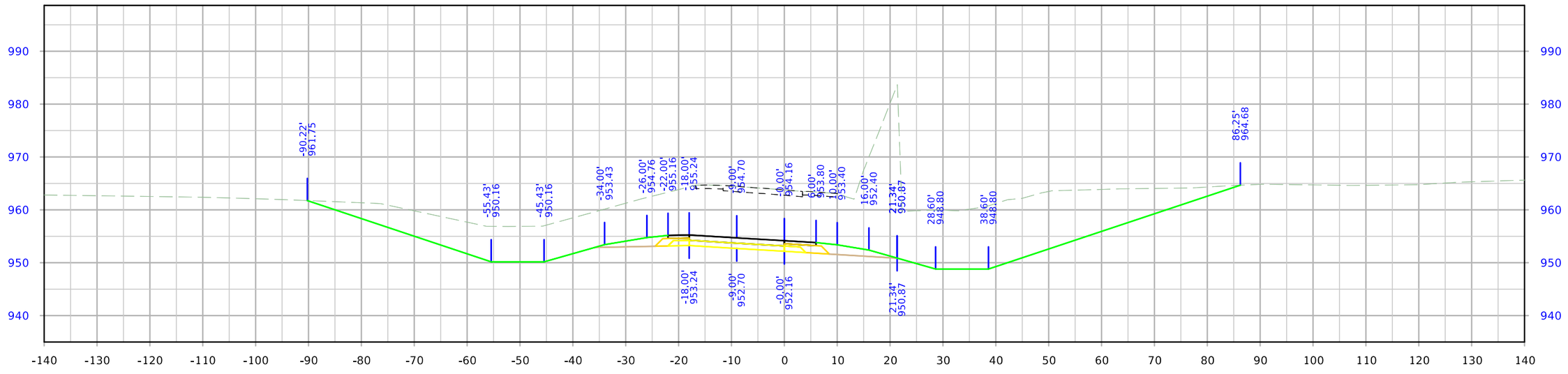


STA. 8333+00.00

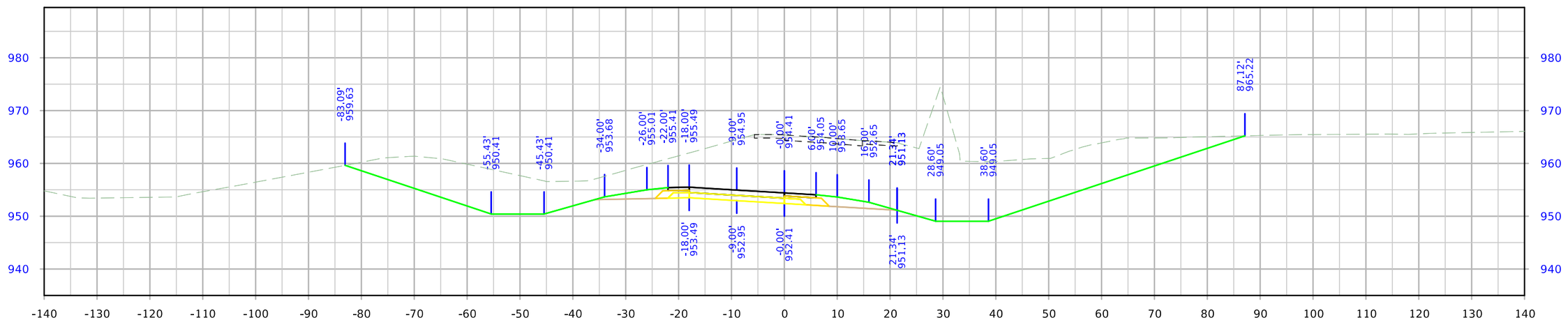
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.99

5:01:38 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y04_77035455_Z08.dgn

I-80/35 Ramp G



STA. 8334+50.00



STA. 8334+00.00

FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.100

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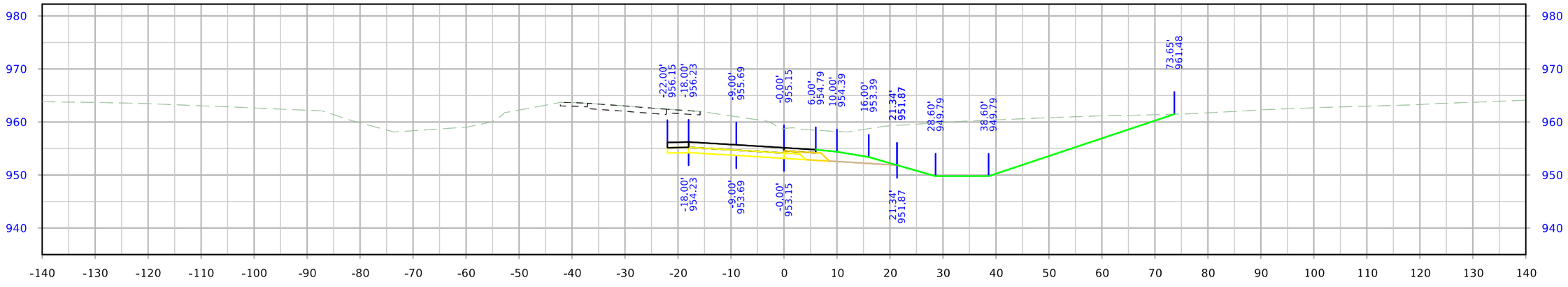
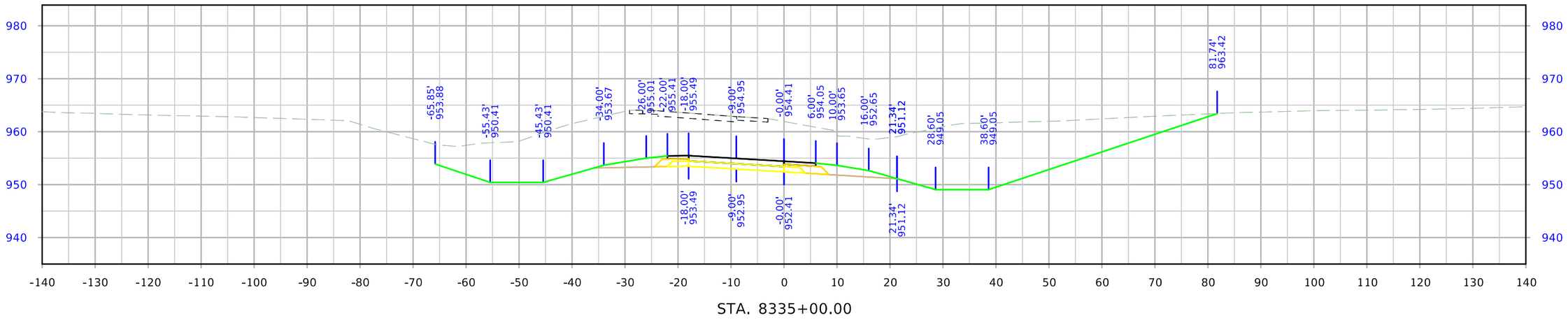
I-80/35 Ramp G



STA. 8335+50.00

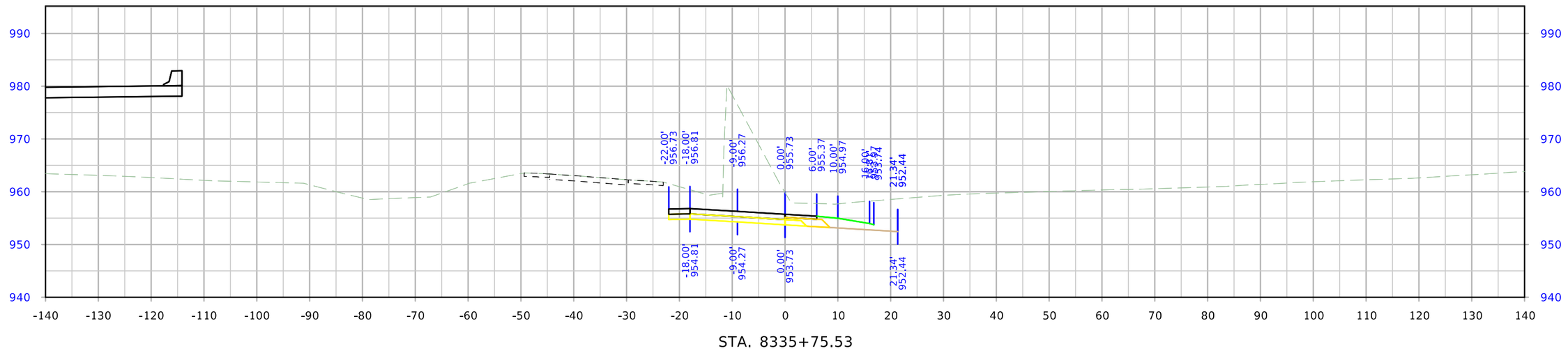


STA. 8335+00.00

FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.101

5:01:43 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y04_77035455_Z08.dgn

I-80/35 Ramp G

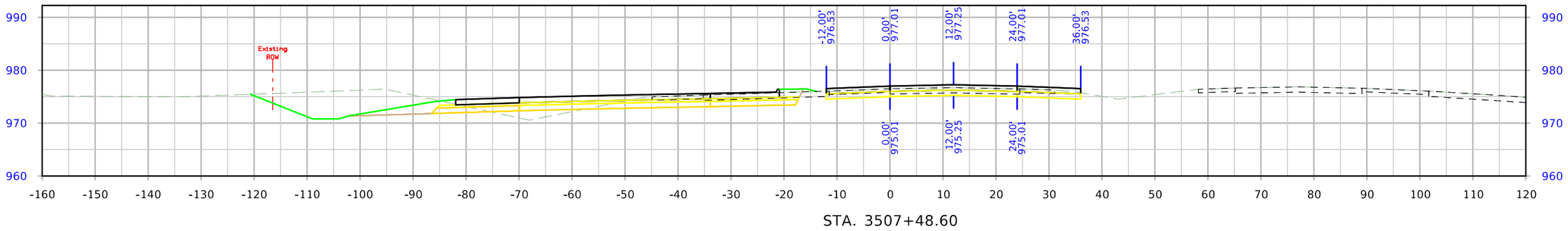


STA. 8335+75.53

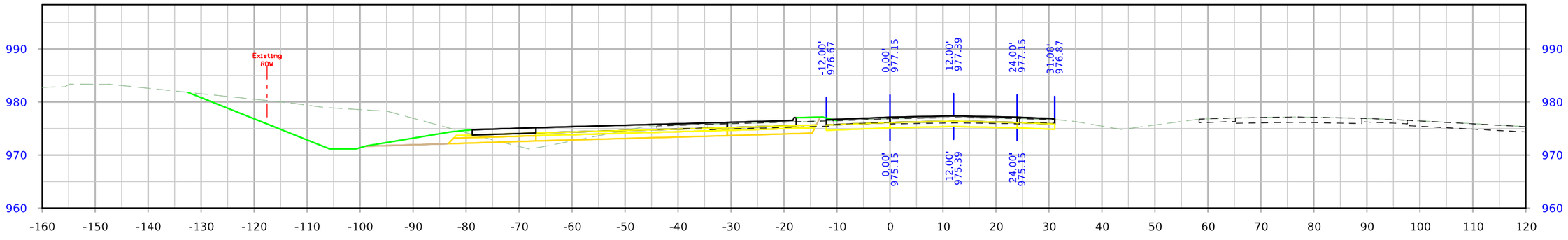
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.102

5:01:44 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y04_77035455_Z08.dgn

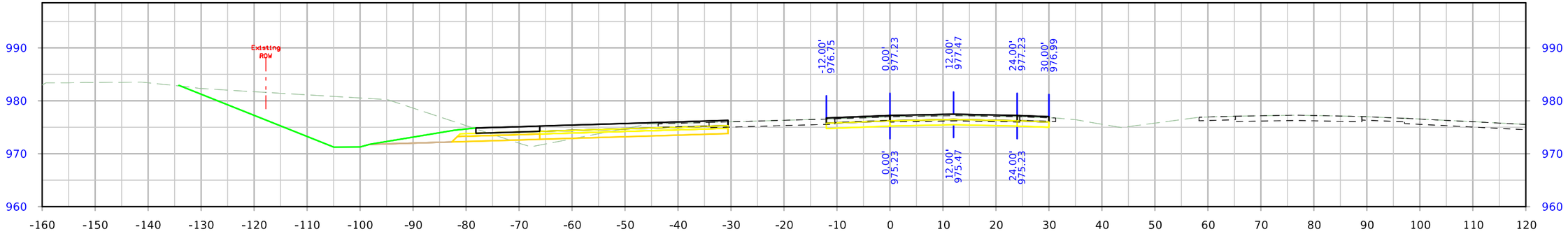
I-80 Westbound Ramp



STA. 3507+48.60



STA. 3507+00.00

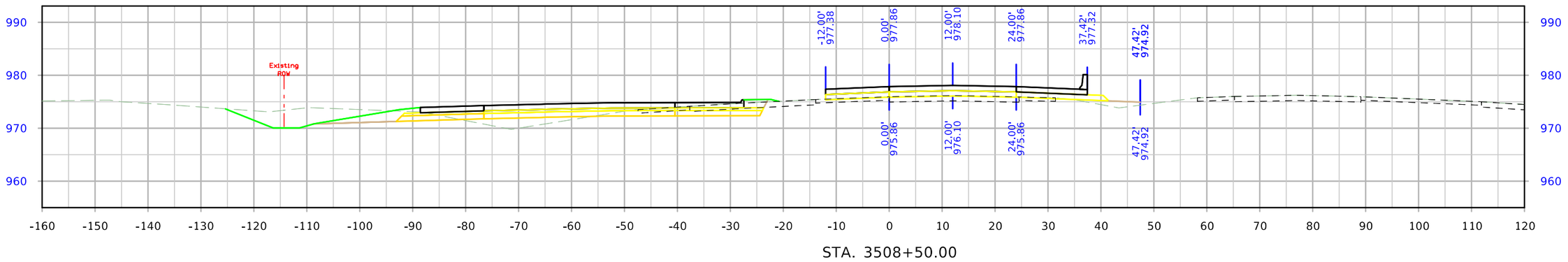


STA. 3506+89.30

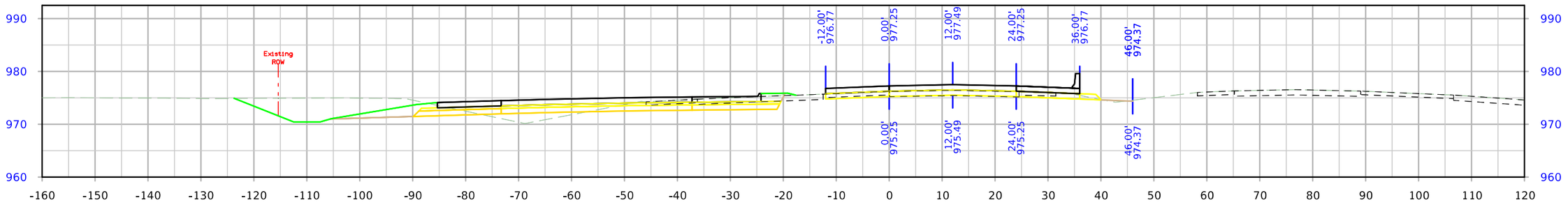
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.103

5:01:56 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y05_77035455_Z08.dgn

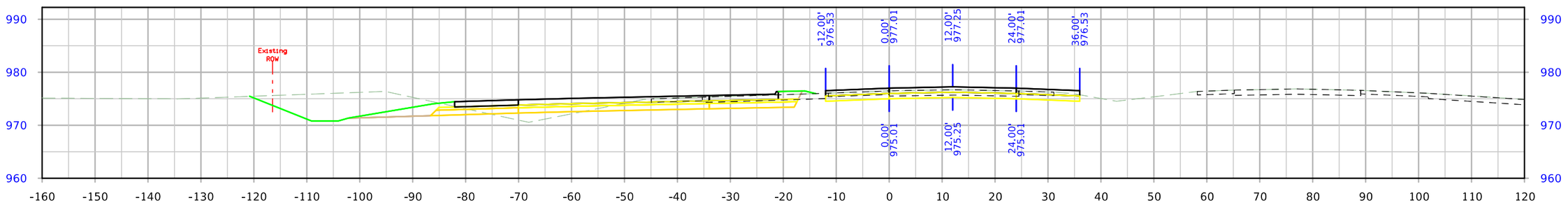
I-80 Westbound Ramp



STA. 3508+50.00



STA. 3508+00.00

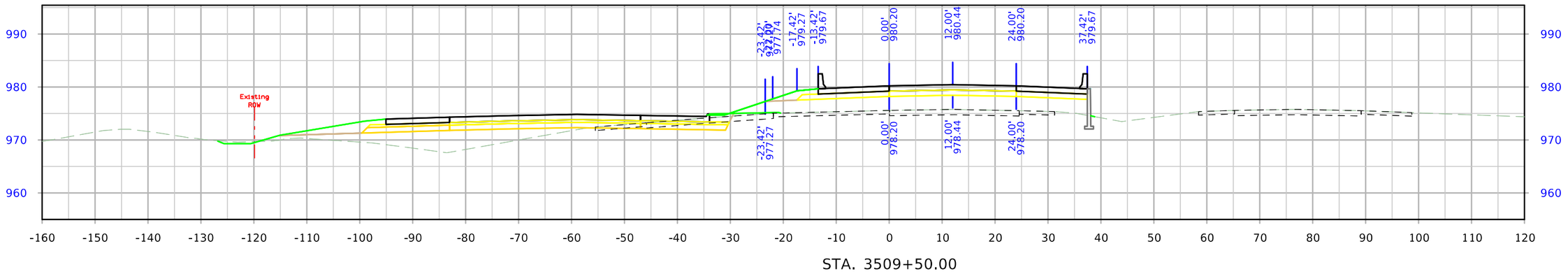


STA. 3507+50.00

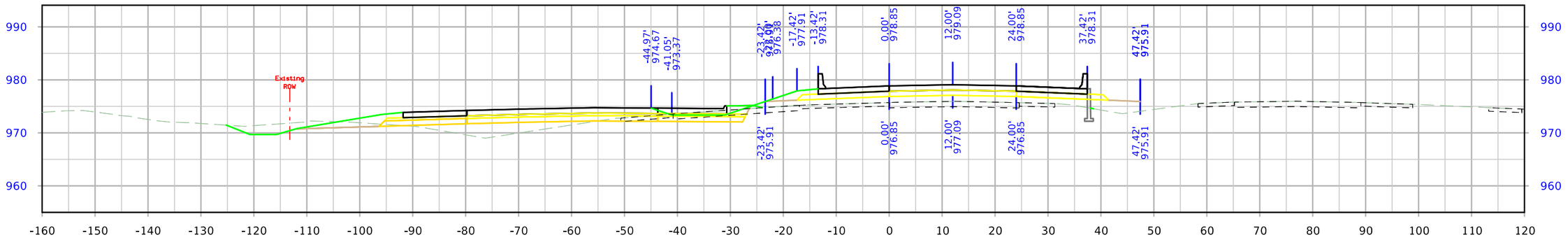
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.104

5:01:58 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y05_77035455_Z08.dgn

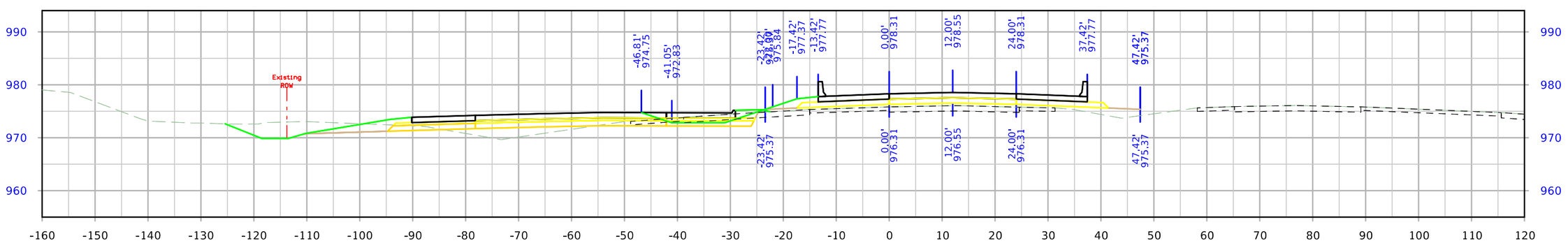
I-80 Westbound Ramp



STA. 3509+50.00



STA. 3509+00.00

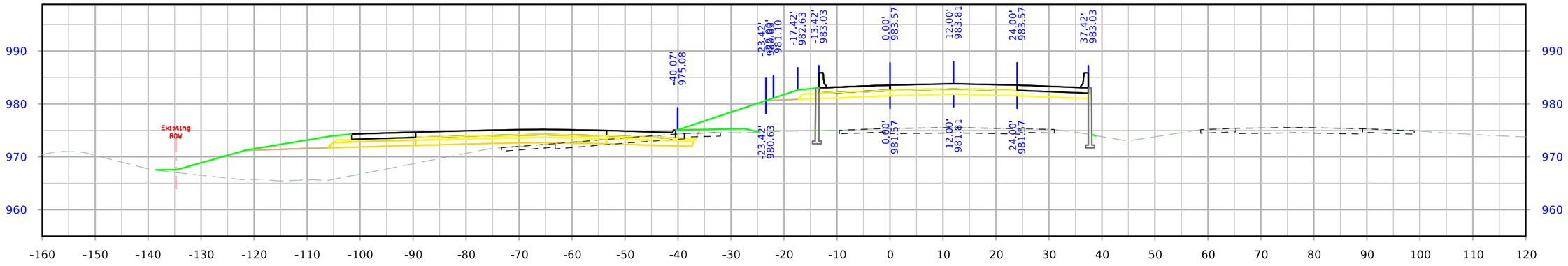


STA. 3508+75.00

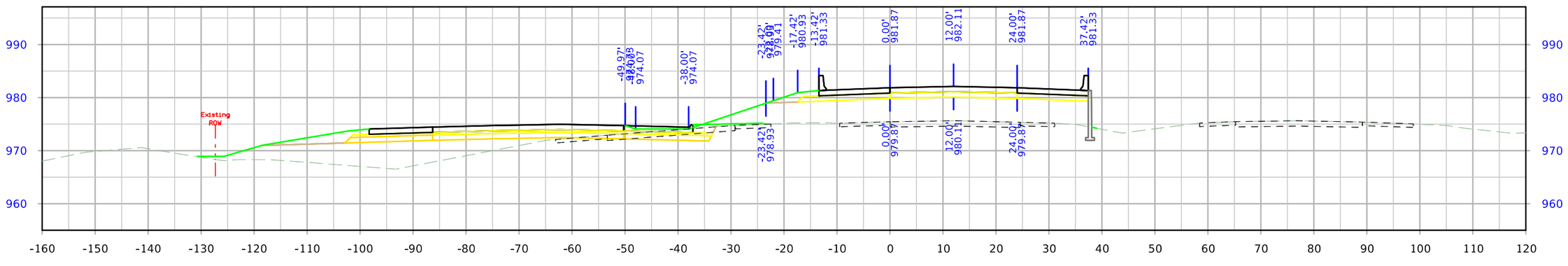
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.105

5:02:00 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y05_77035455_Z08.dgn

I-80 Westbound Ramp



STA. 3510+50.00

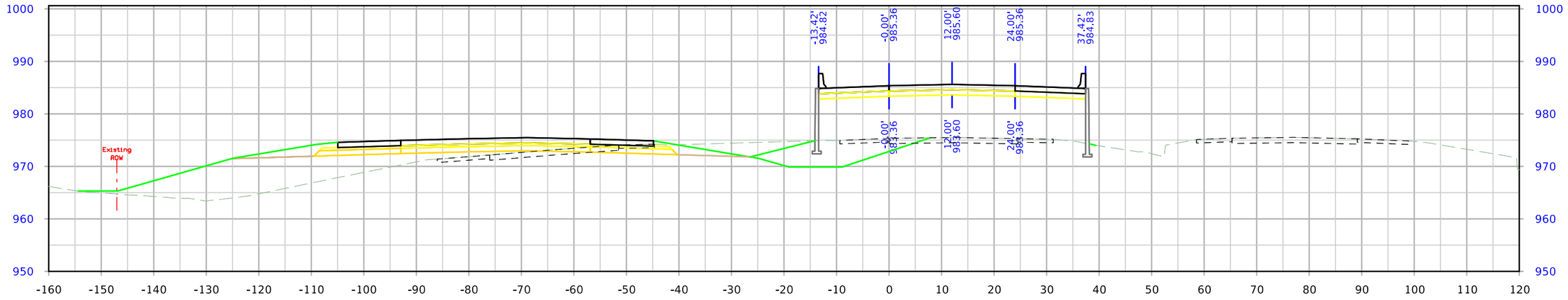


STA. 3510+00.00

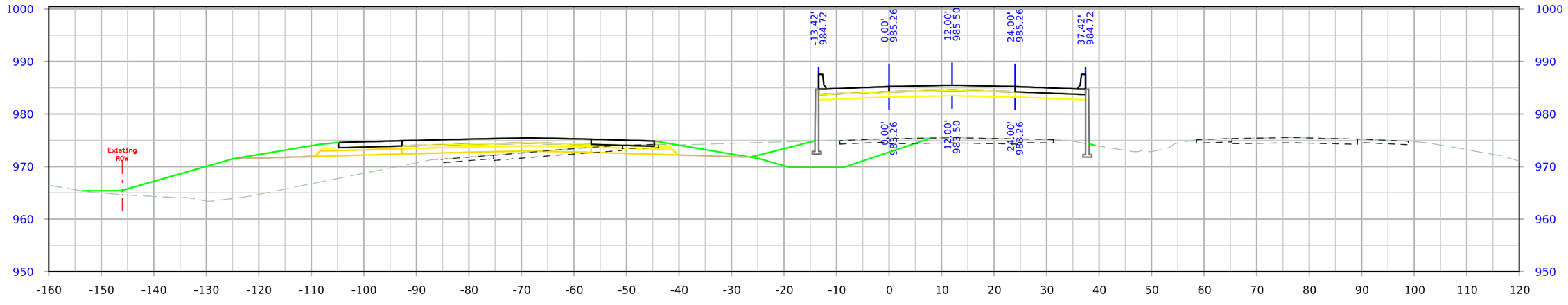
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.106

5:02:03 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y05_77035455_Z08.dgn

I-80 Westbound Ramp



STA. 3511+02.94

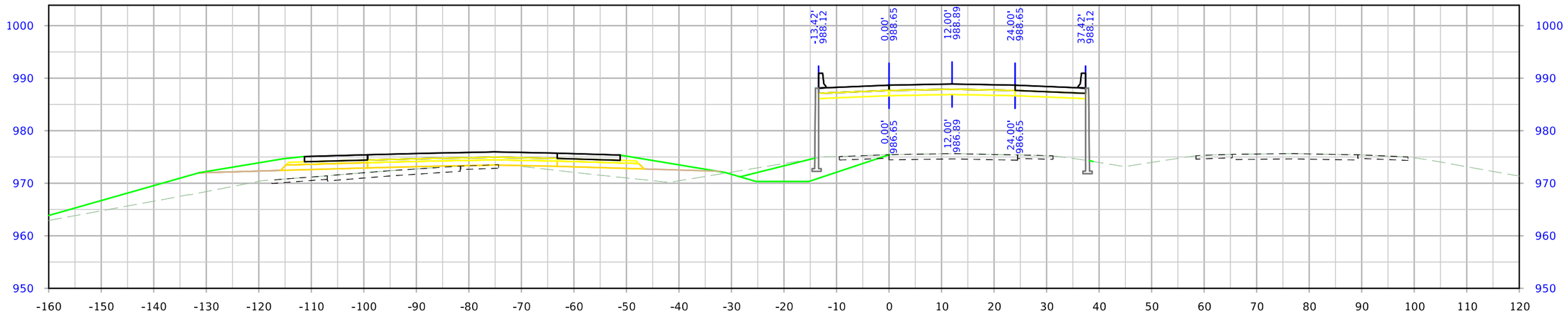


STA. 3511+00.00

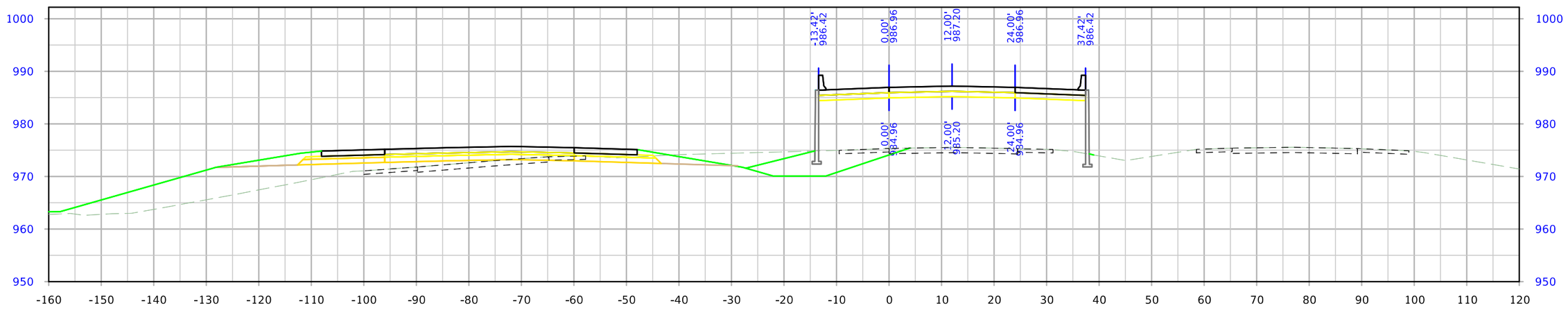
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.107

5:02:05 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y05_77035455_Z08.dgn

I-80 Westbound Ramp



STA. 3512+00.00

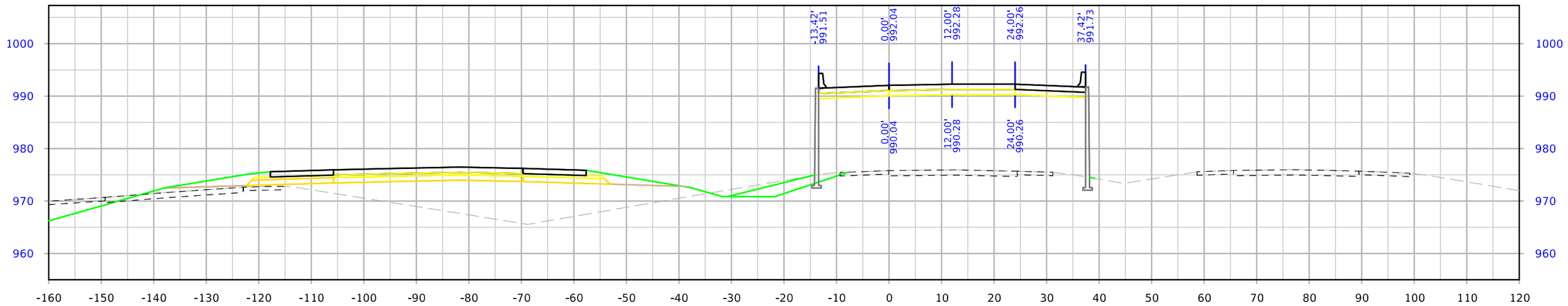


STA. 3511+50.00

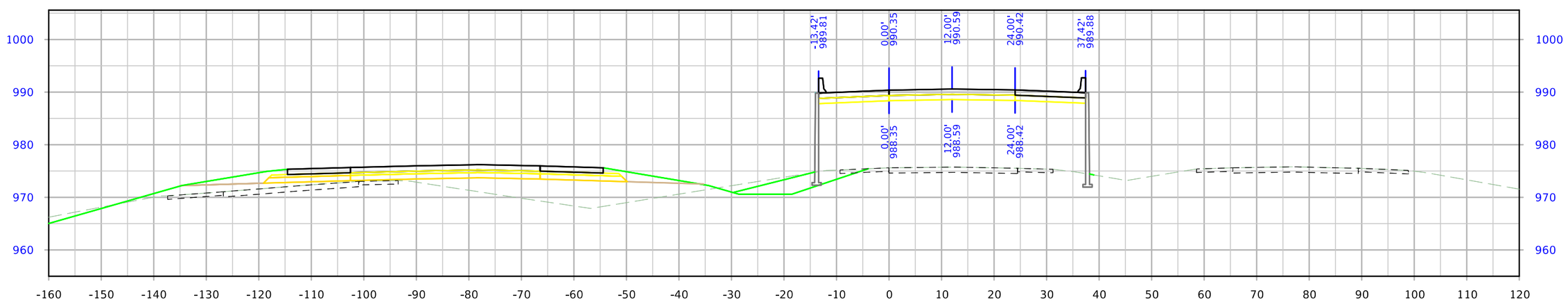
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.108

5:02:06 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y05_77035455_Z08.dgn

I-80 Westbound Ramp



STA. 3513+00.00

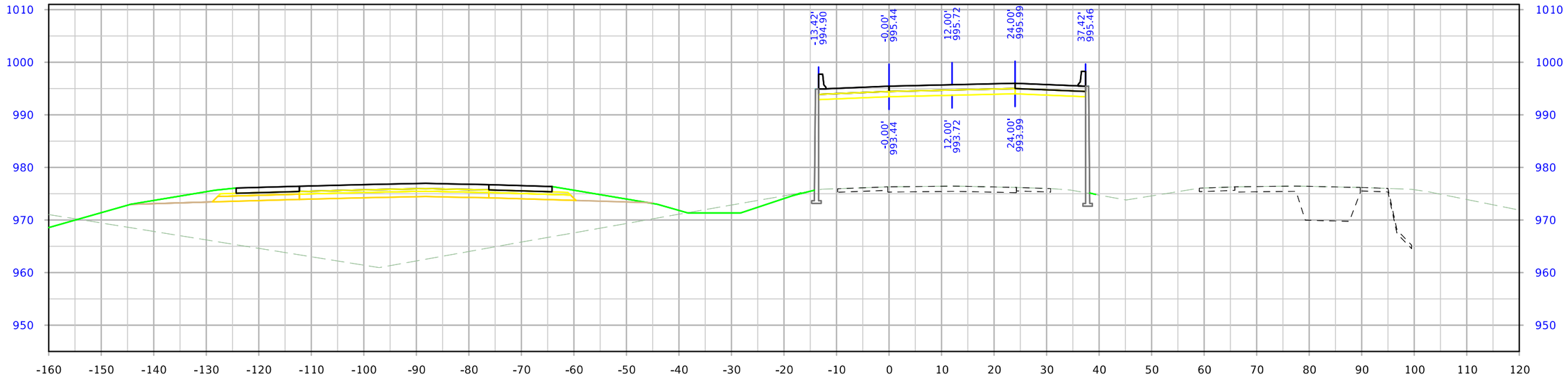


STA. 3512+50.00

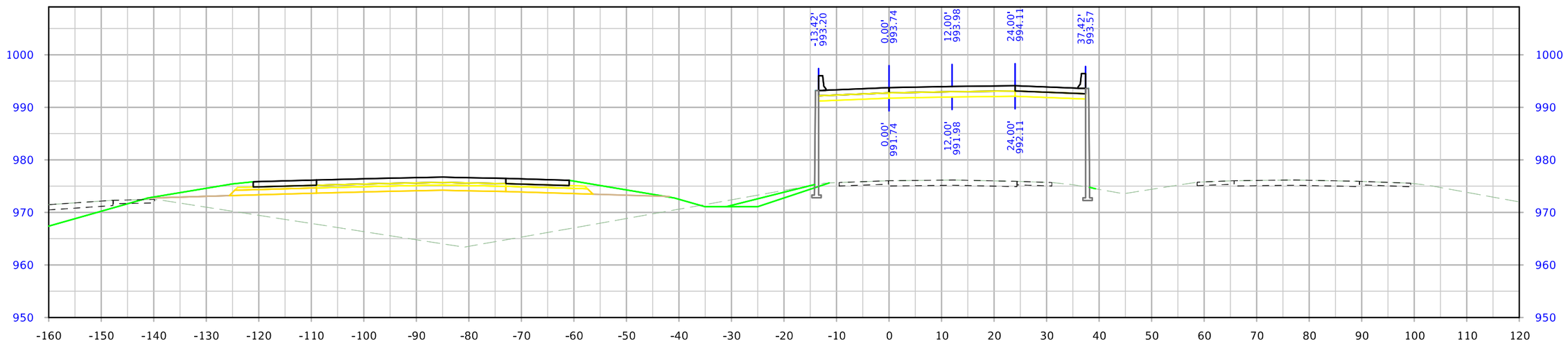
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.109

5:02:08 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y05_77035455_Z08.dgn

I-80 Westbound Ramp



STA. 3514+00.00

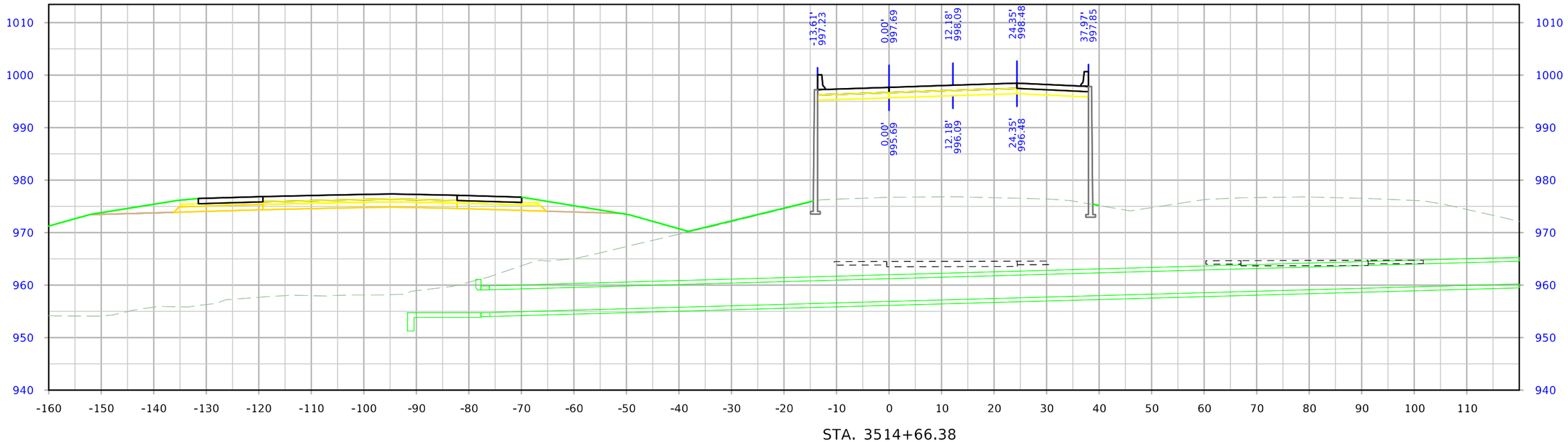


STA. 3513+50.00

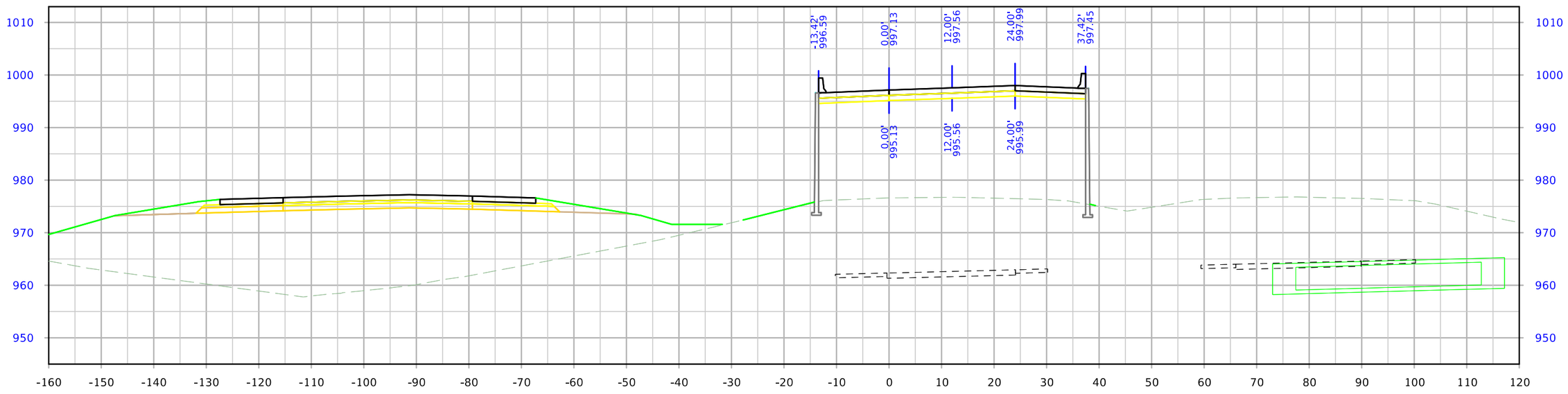
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.110

5:02:10 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y05_77035455_Z08.dgn

I-80 Westbound Ramp



STA. 3514+66.38

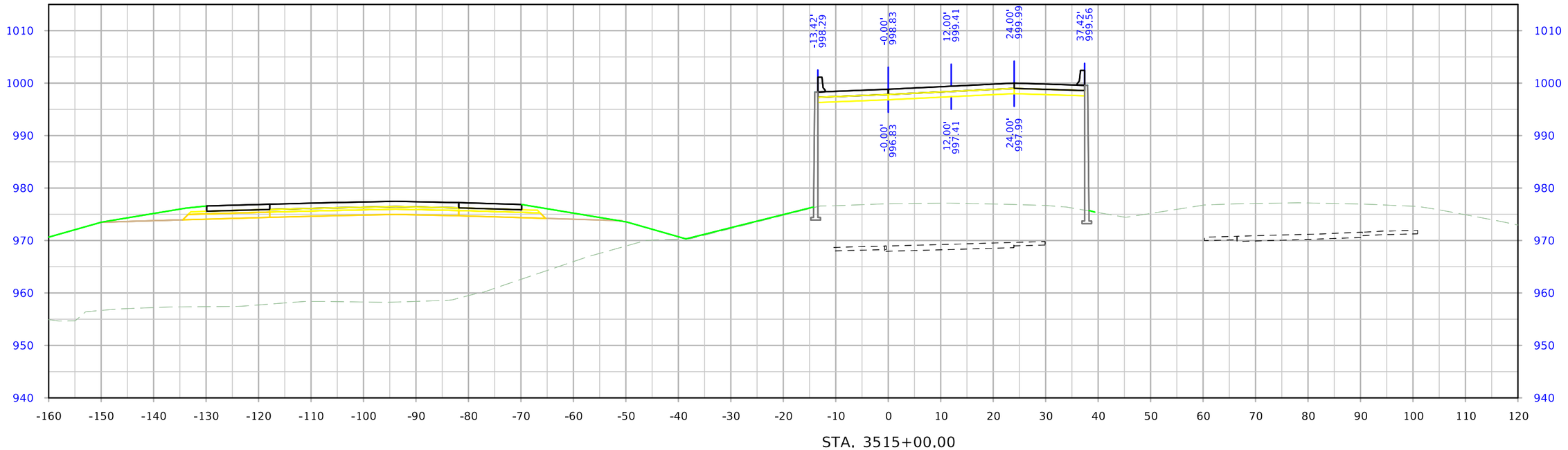


STA. 3514+50.00

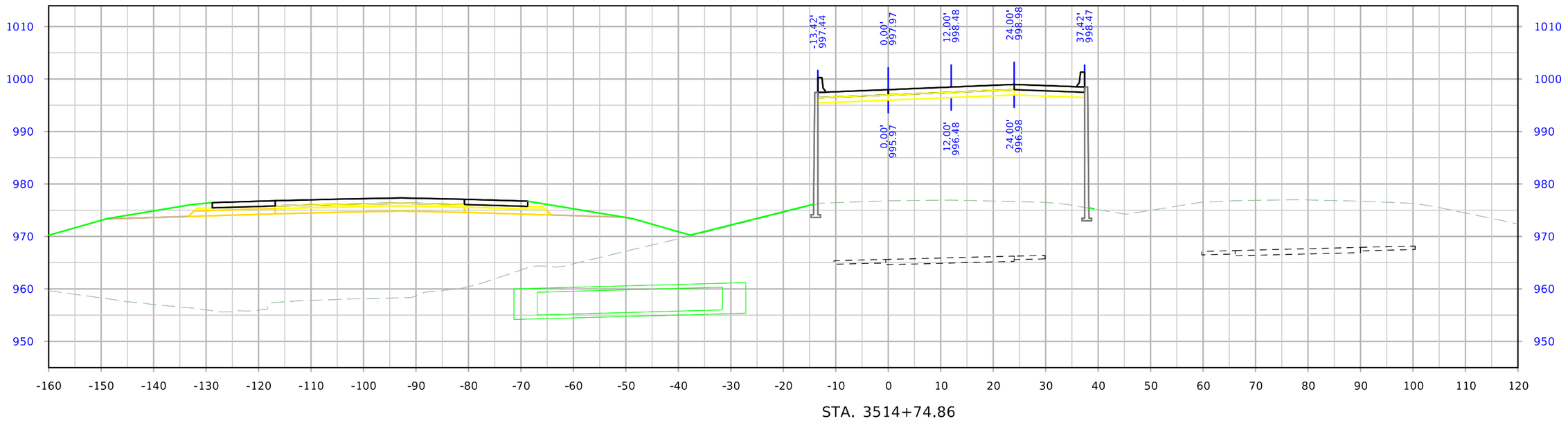
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.111

5:02:12 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y05_77035455_Z08.dgn

I-80 Westbound Ramp



STA. 3515+00.00

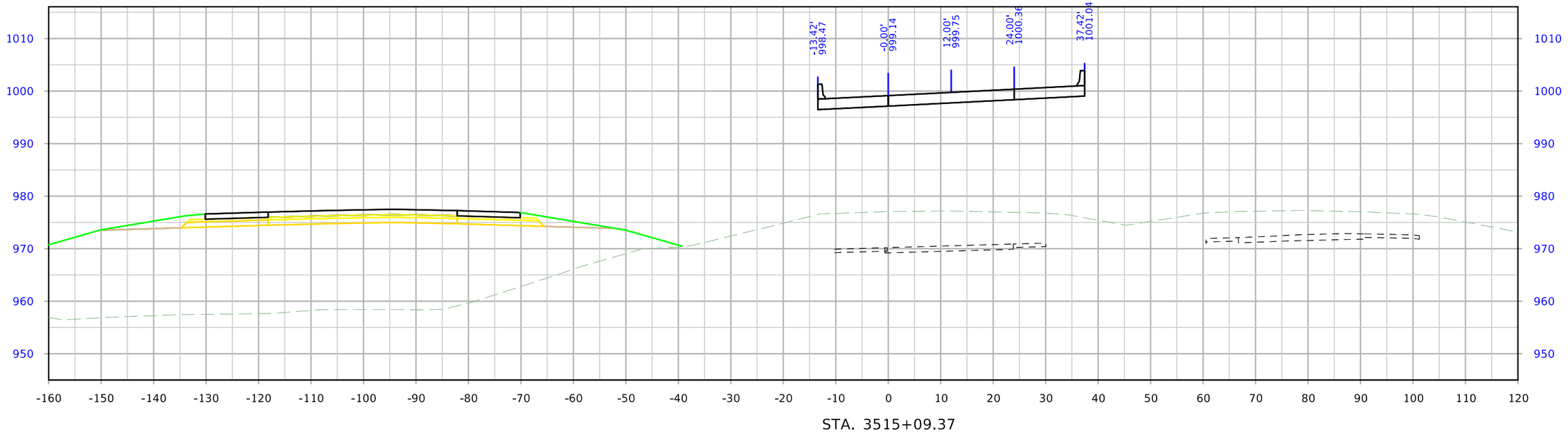


STA. 3514+74.86

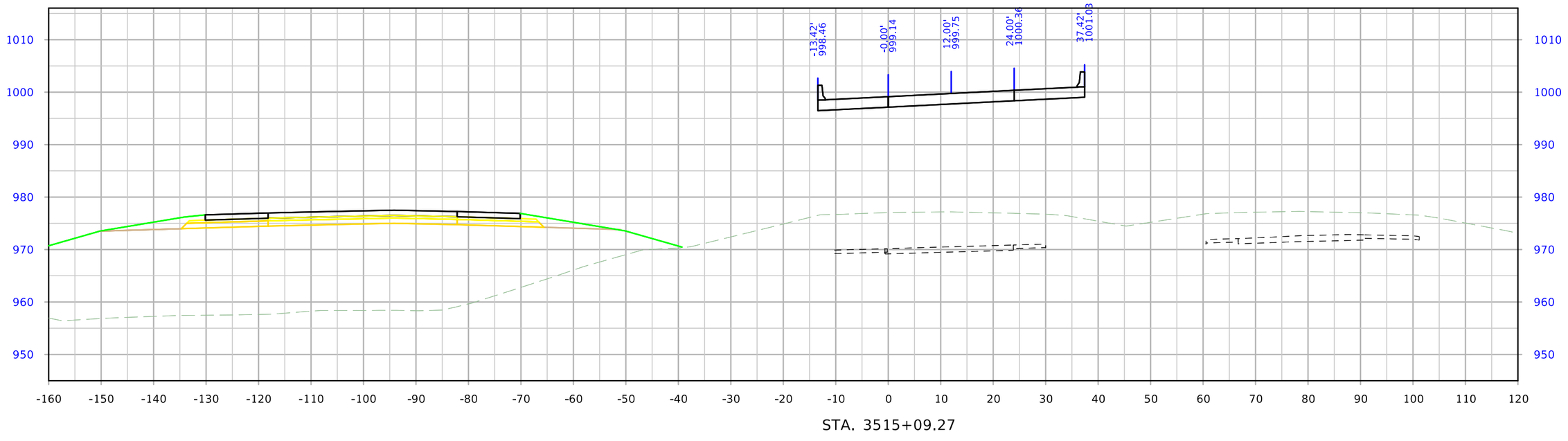
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.112

5:02:13 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y05_77035455_Z08.dgn

I-80 Westbound Ramp



STA. 3515+09.37

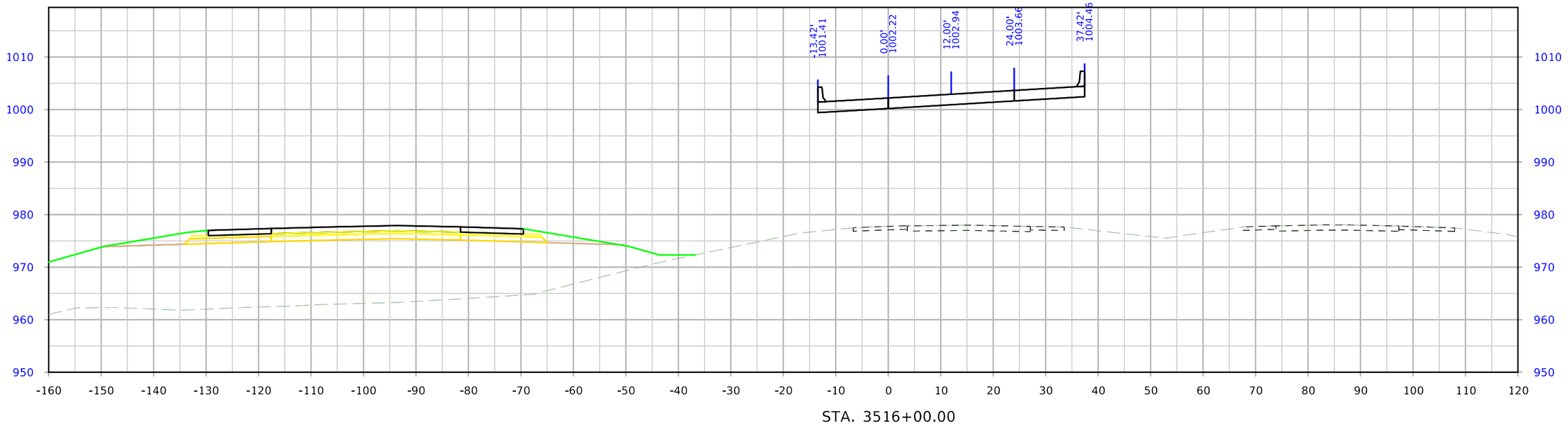


STA. 3515+09.27

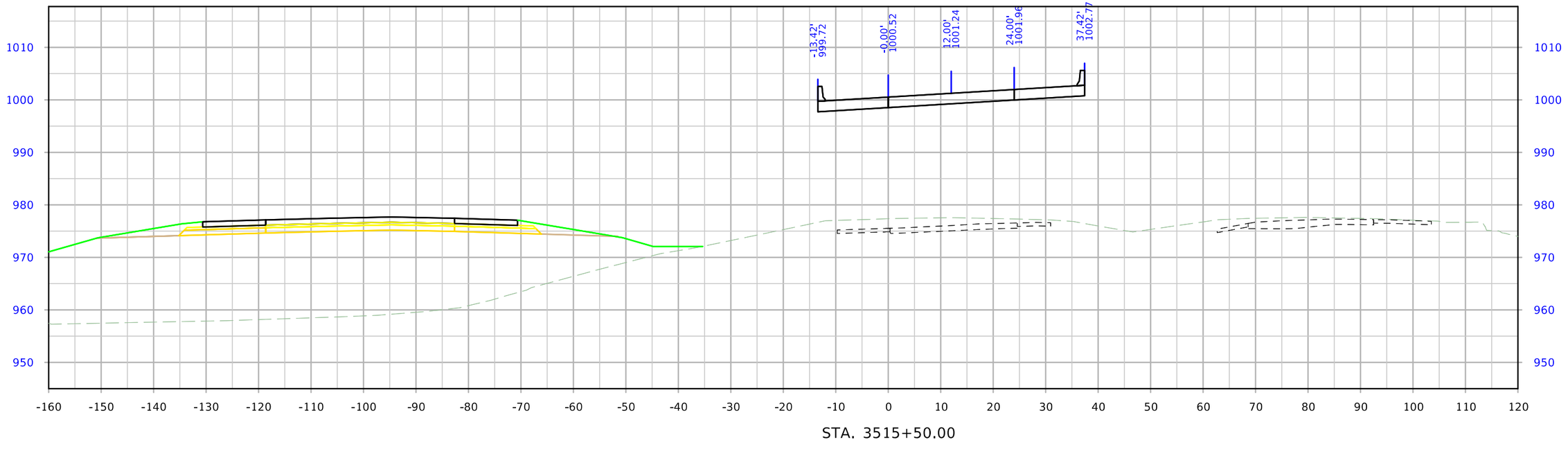
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.113

5:02:15 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y05_77035455_Z08.dgn

I-80 Westbound Ramp



STA. 3516+00.00

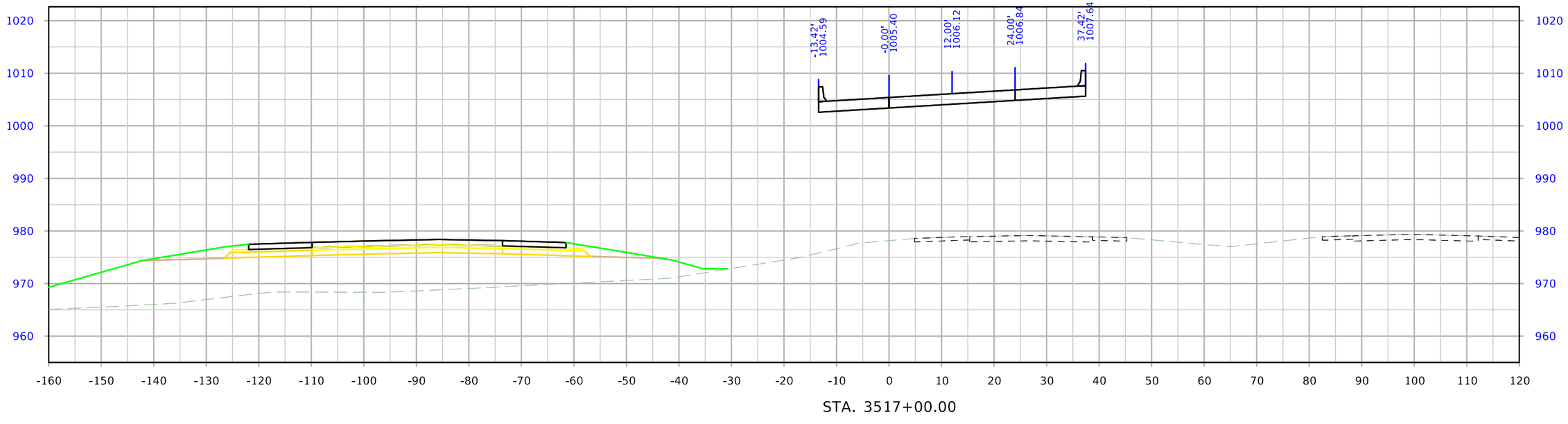


STA. 3515+50.00

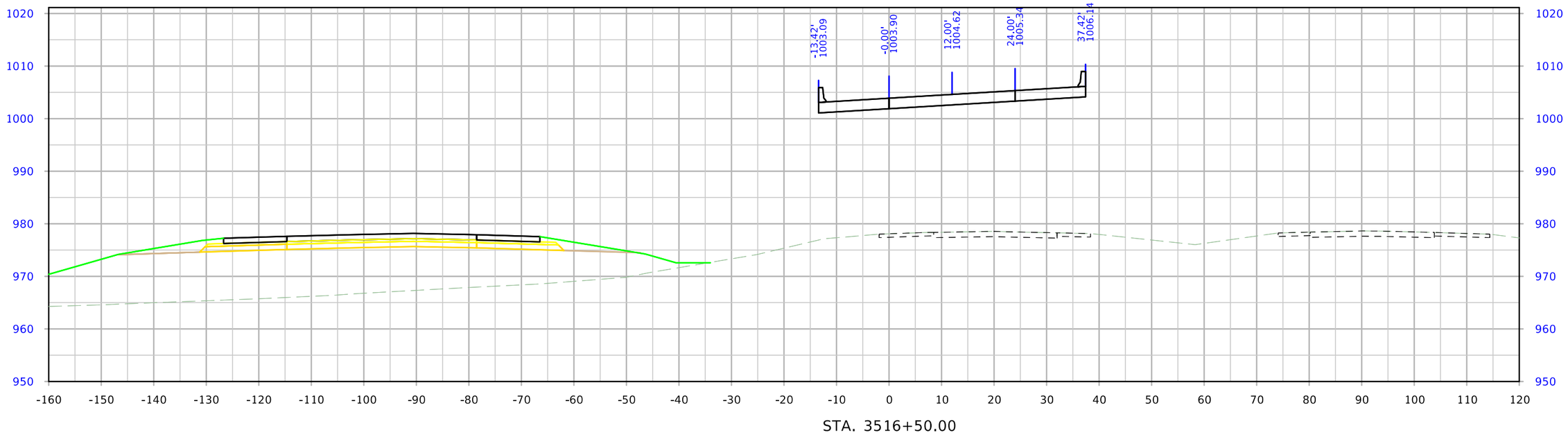
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.114

5:02:17 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y05_77035455_Z08.dgn

I-80 Westbound Ramp



STA. 3517+00.00

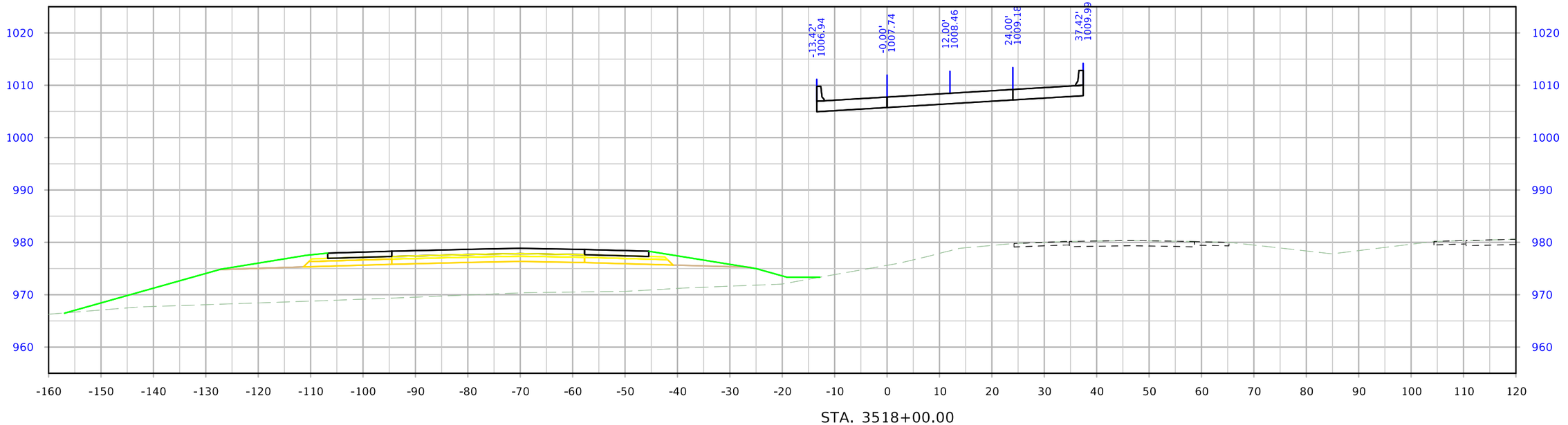


STA. 3516+50.00

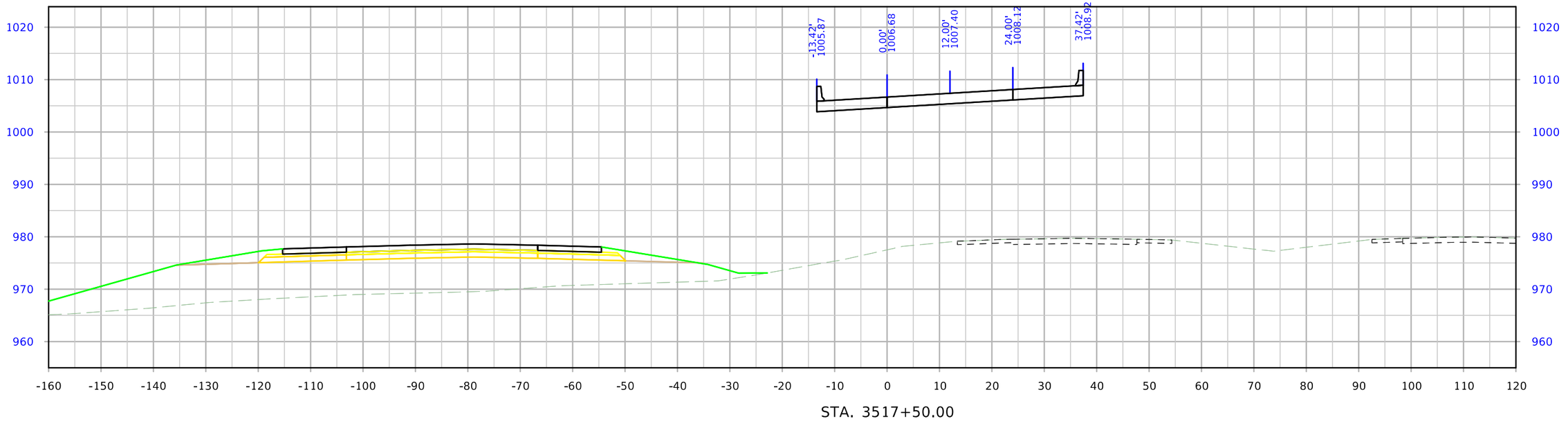
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.115

5:02:18 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y05_77035455_Z08.dgn

I-80 Westbound Ramp



STA. 3518+00.00

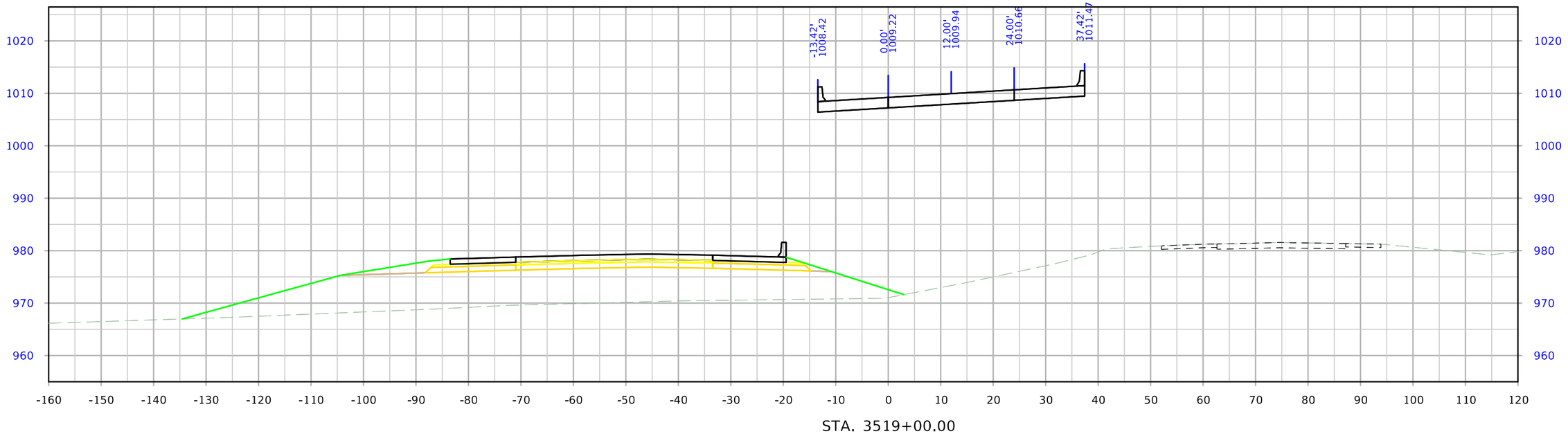


STA. 3517+50.00

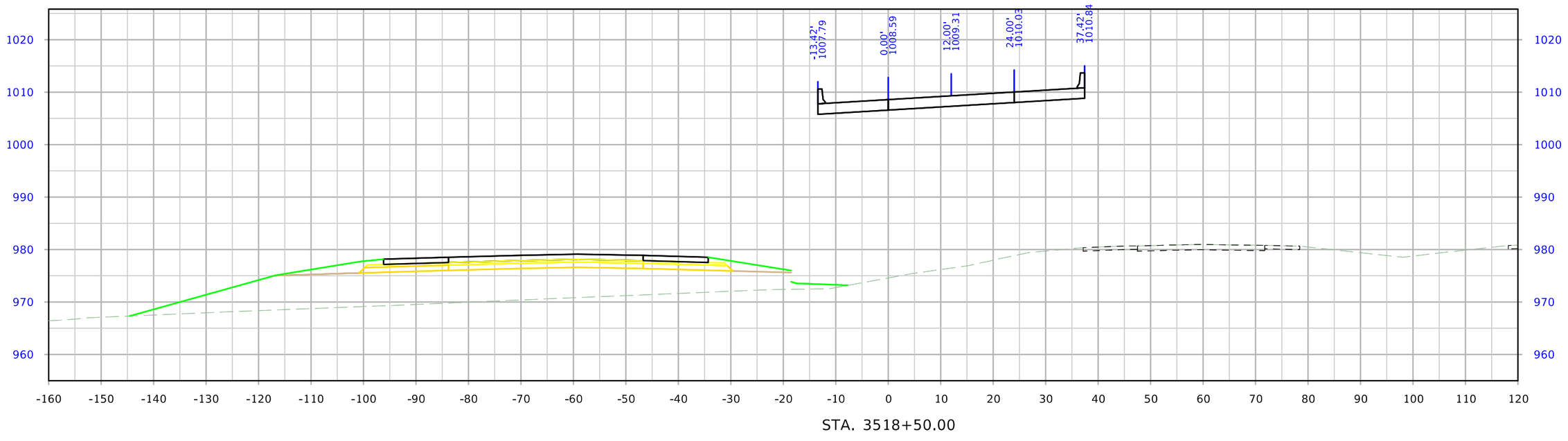
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.116

5:02:20 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y05_77035455_Z08.dgn

I-80 Westbound Ramp



STA. 3519+00.00

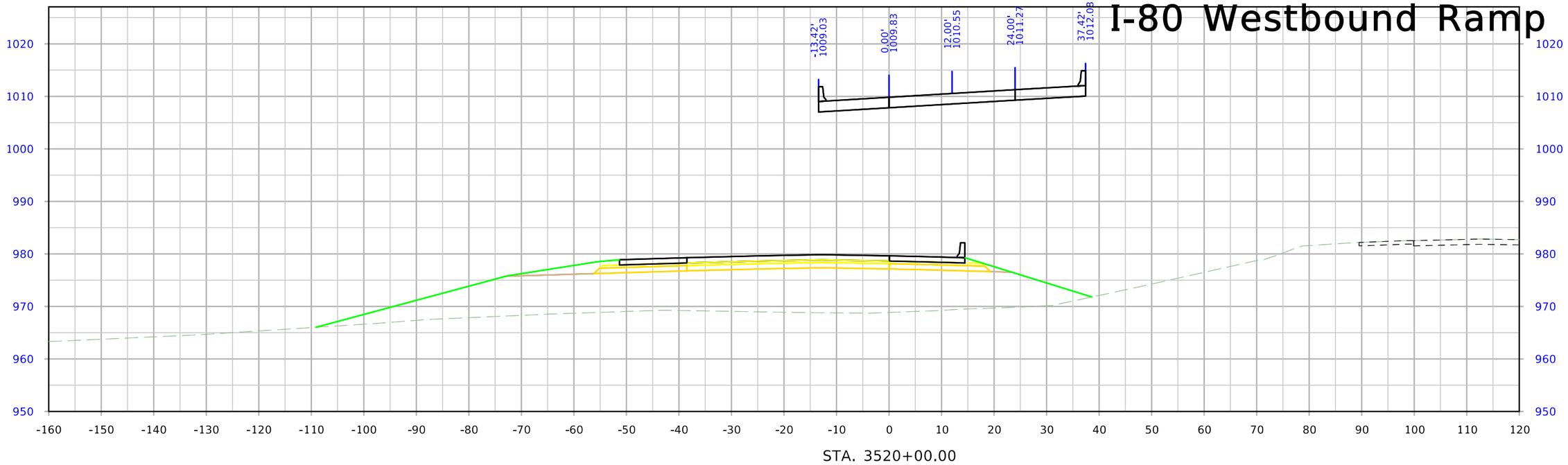


STA. 3518+50.00

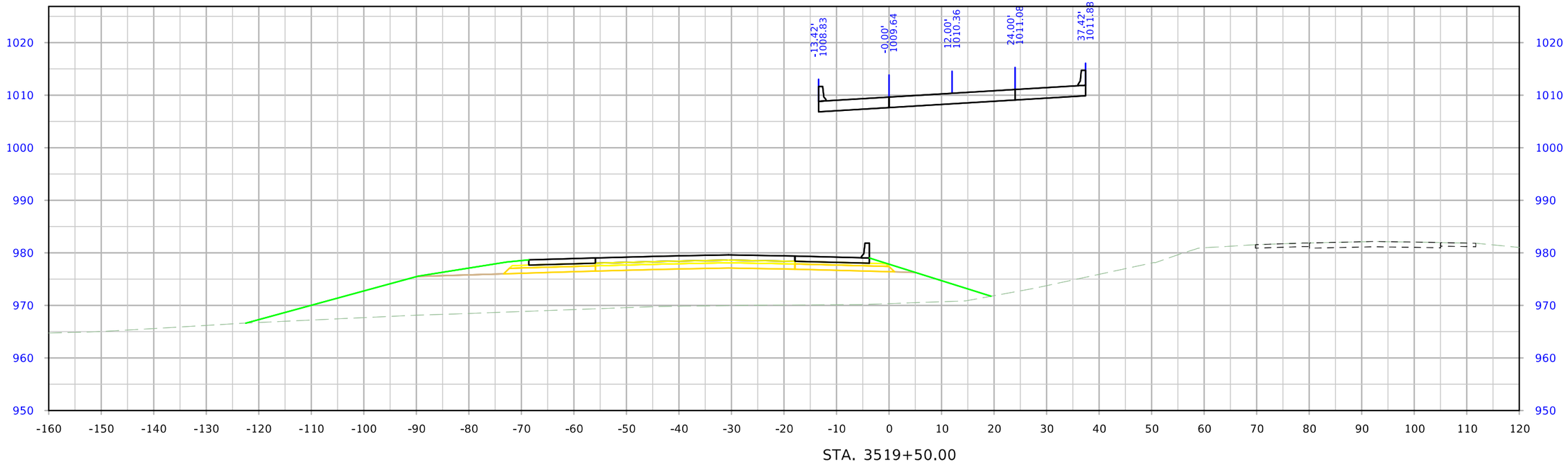
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.117

5:02:22 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y05_77035455_Z08.dgn

I-80 Westbound Ramp



STA. 3520+00.00

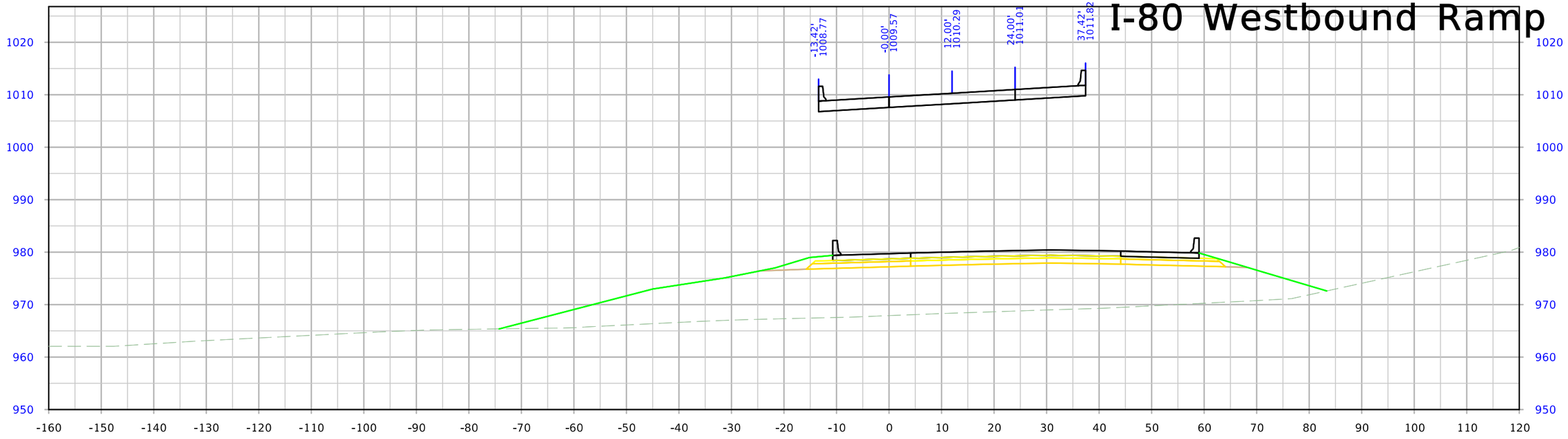


STA. 3519+50.00

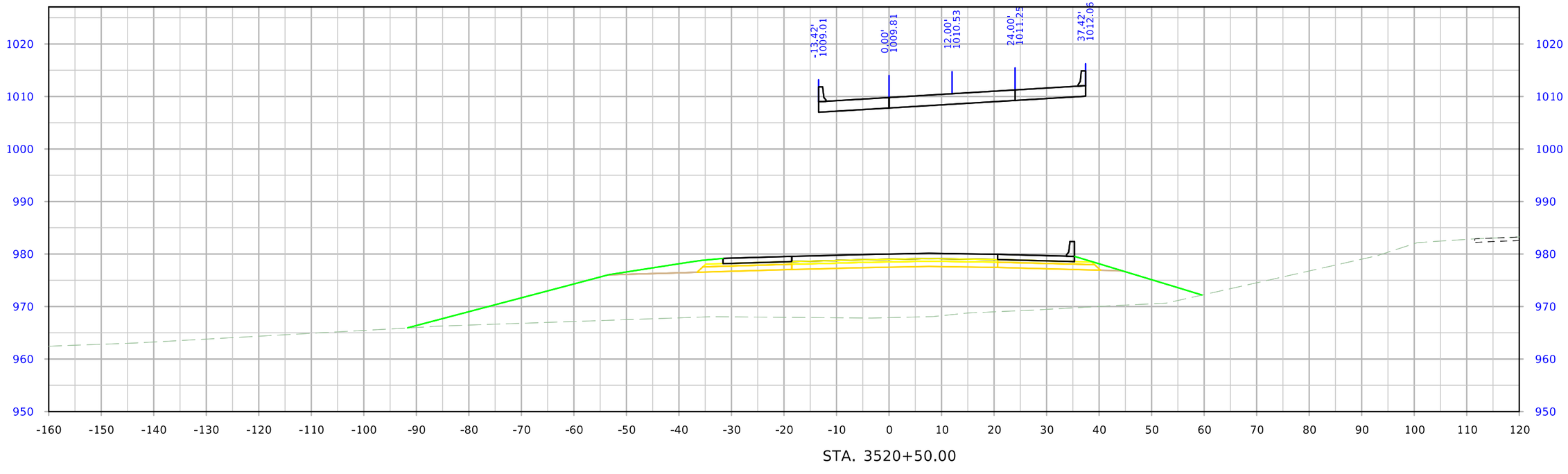
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.118

5:02:24 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y05_77035455_Z08.dgn

I-80 Westbound Ramp



STA. 3521+00.00

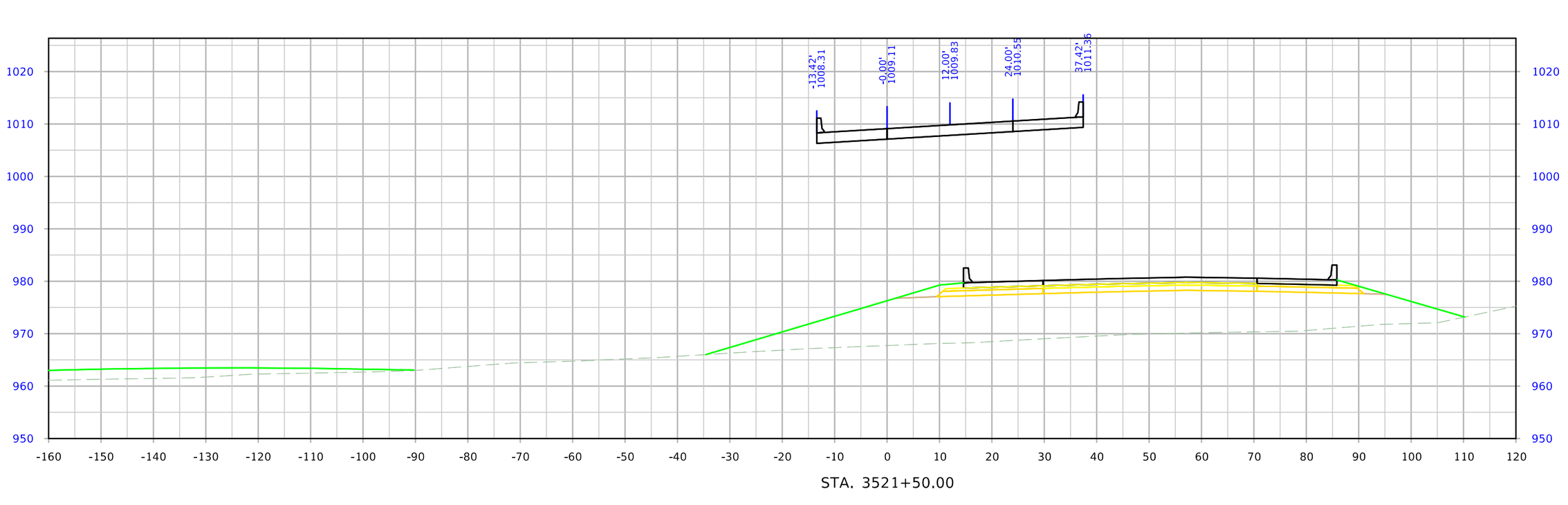


STA. 3520+50.00

FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.119

5:02:27 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y05_77035455_Z08.dgn

I-80 Westbound Ramp

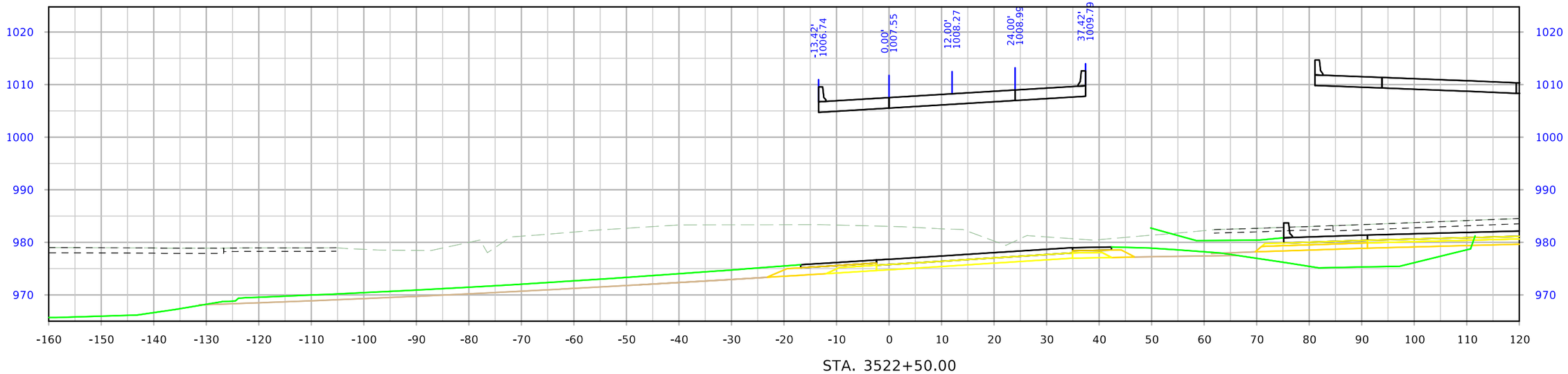


STA. 3521+50.00

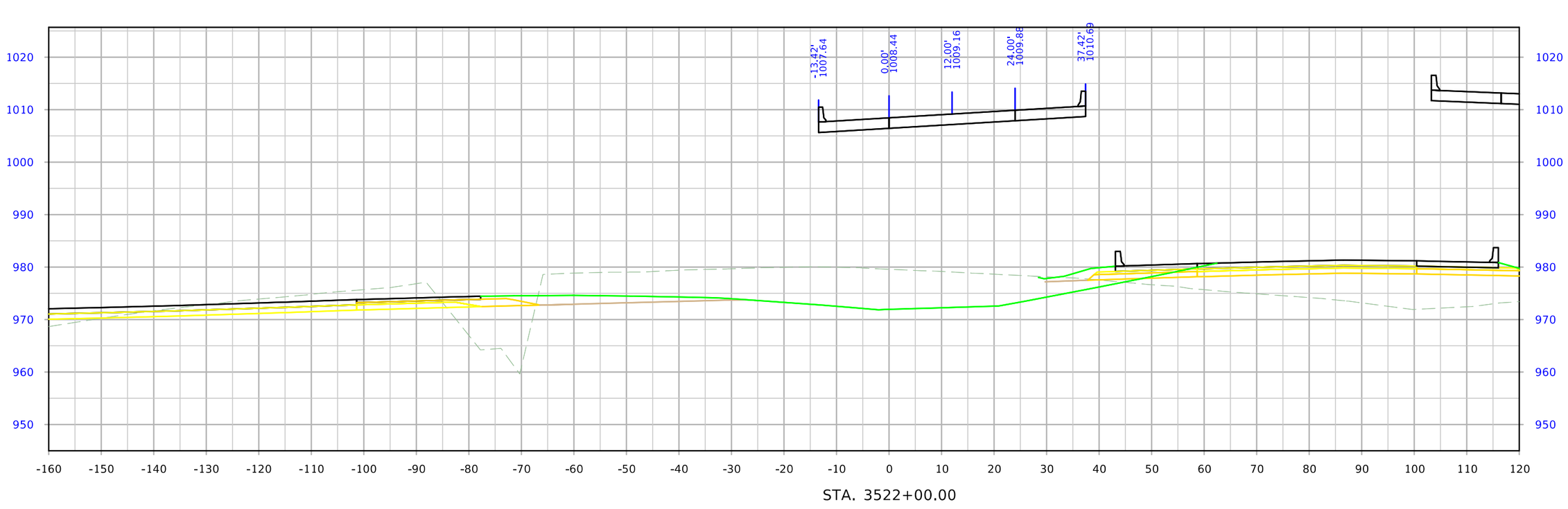
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.120

5:02:28 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y05_77035455_Z08.dgn

I-80 Westbound Ramp



STA. 3522+50.00

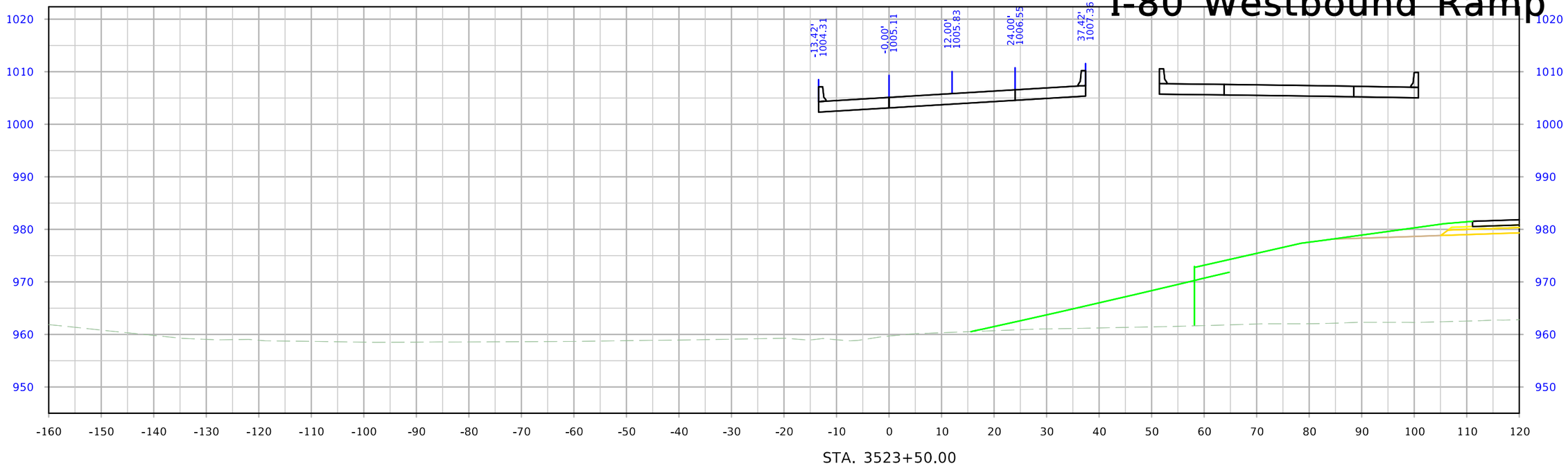


STA. 3522+00.00

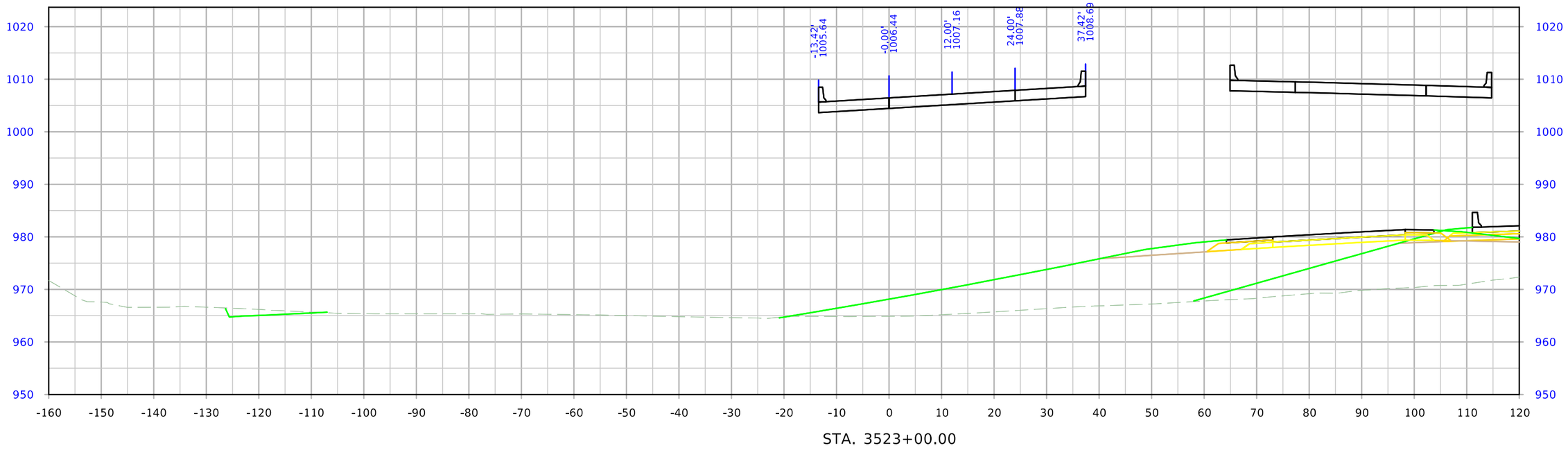
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.121

5:02:31 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y05_77035455_Z08.dgn

I-80 Westbound Ramp



STA. 3523+50.00

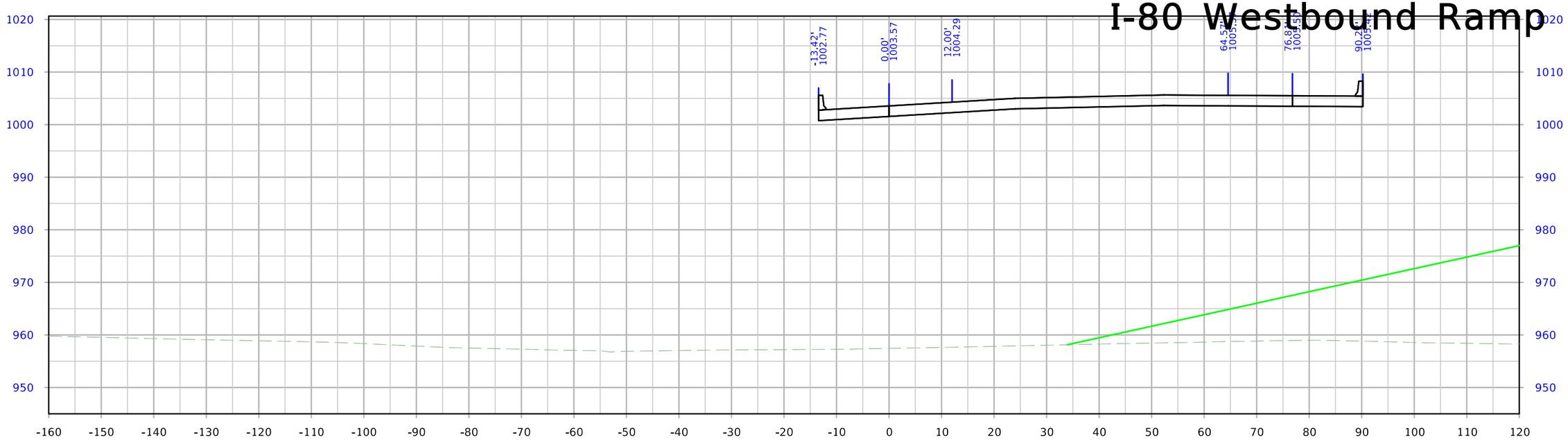


STA. 3523+00.00

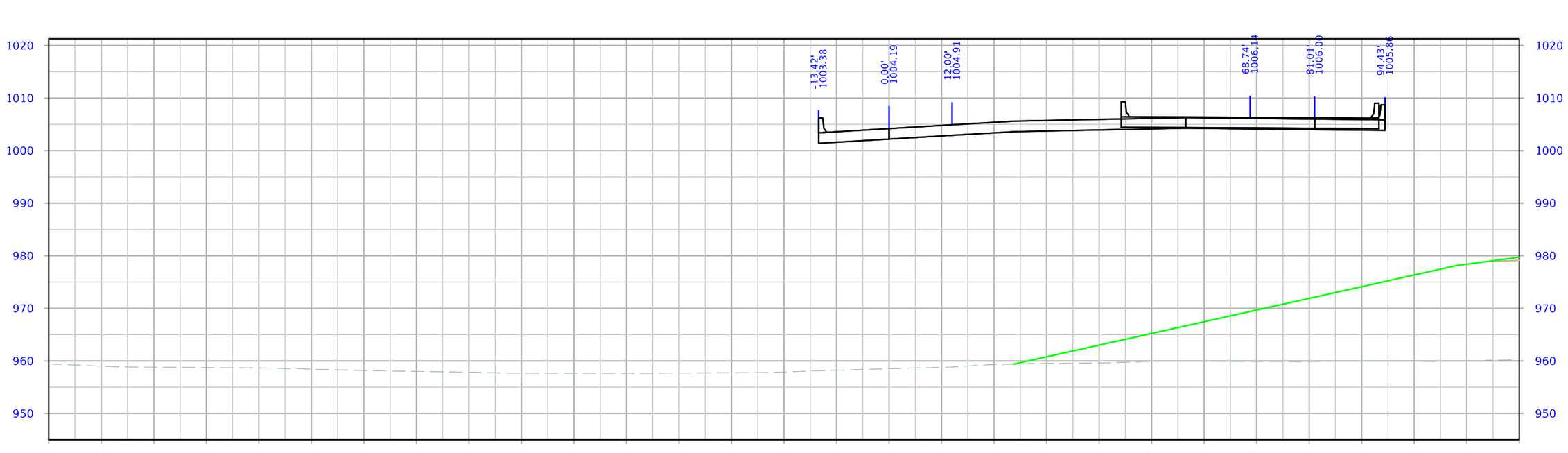
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.122

5:02:33 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y05_77035455_Z08.dgn

I-80 Westbound Ramp



STA. 3524+00.00

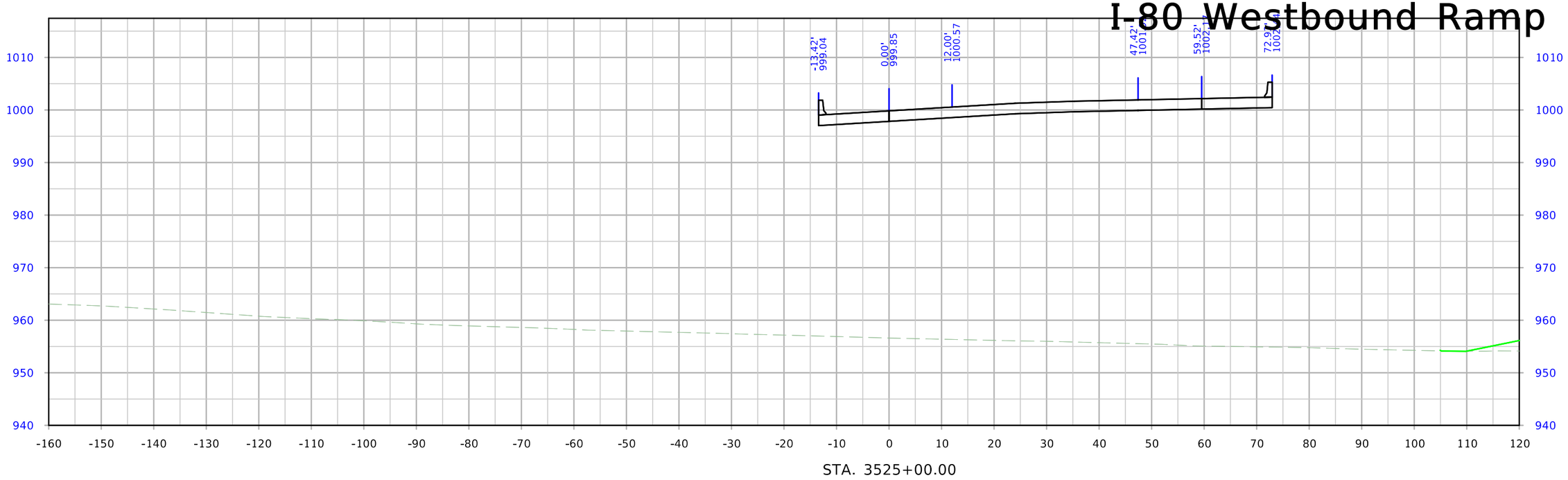


STA. 3523+80.93

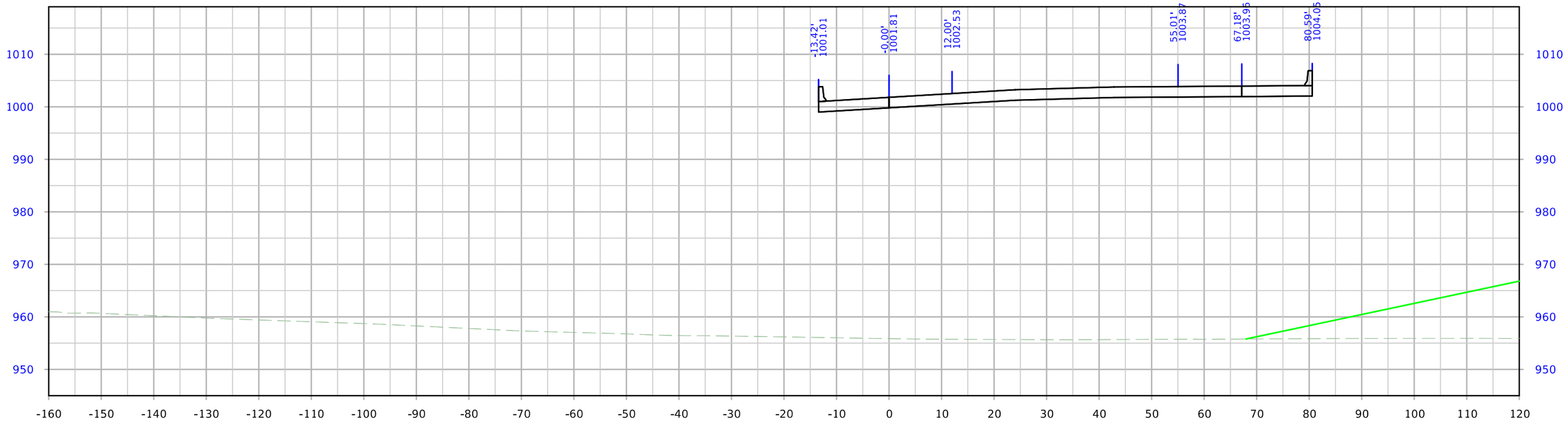
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.123

5:02:36 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y05_77035455_Z08.dgn

I-80 Westbound Ramp



STA. 3525+00.00

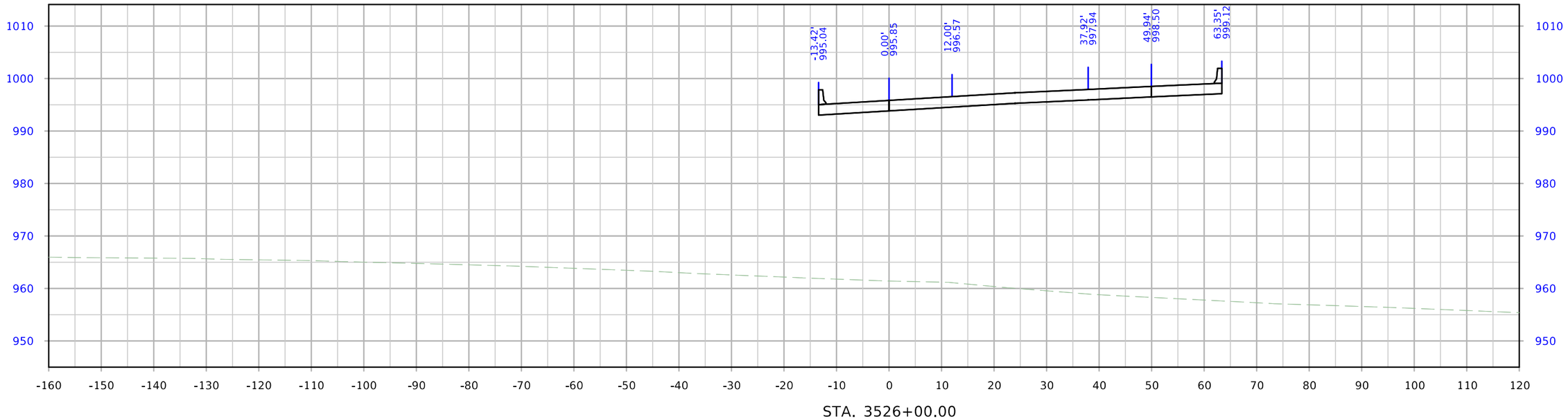


STA. 3524+50.00

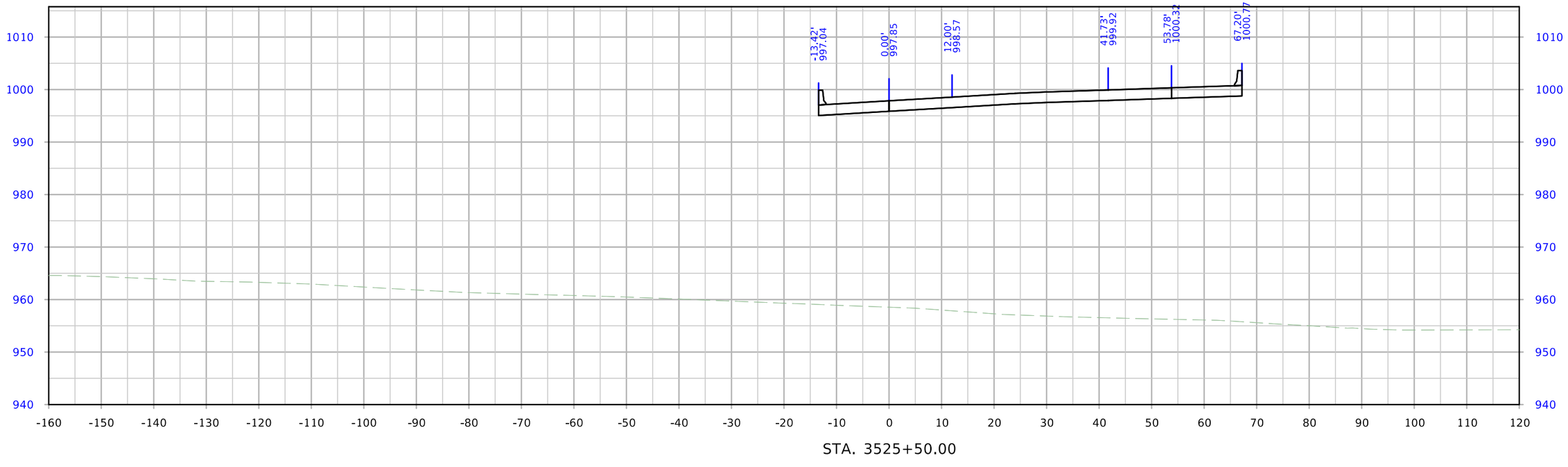
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.124

5:02:39 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y05_77035455_Z08.dgn

I-80 Westbound Ramp



STA. 3526+00.00

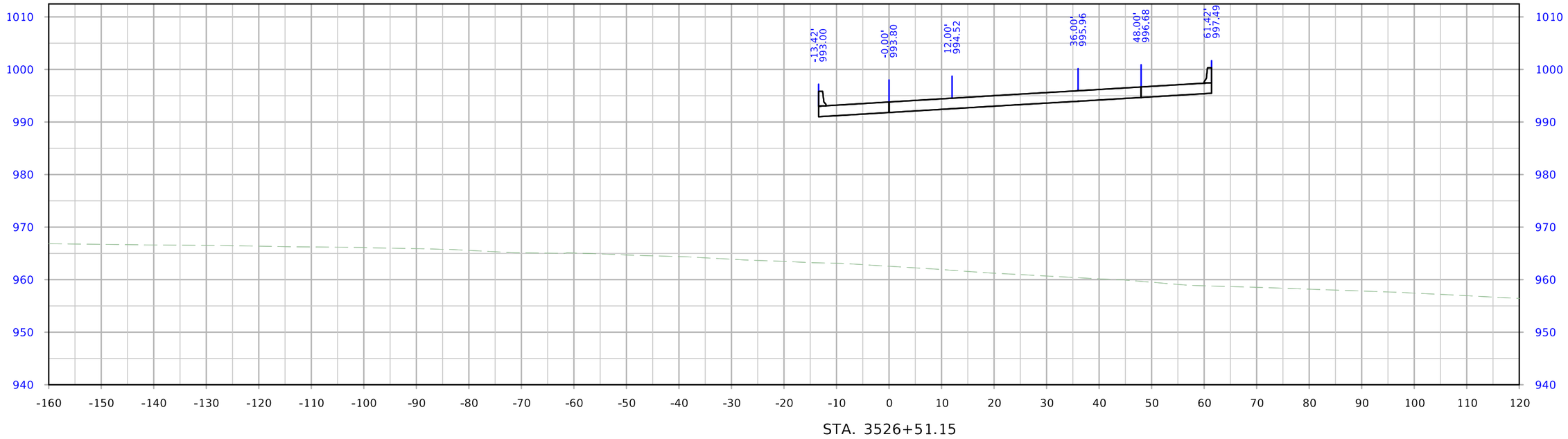


STA. 3525+50.00

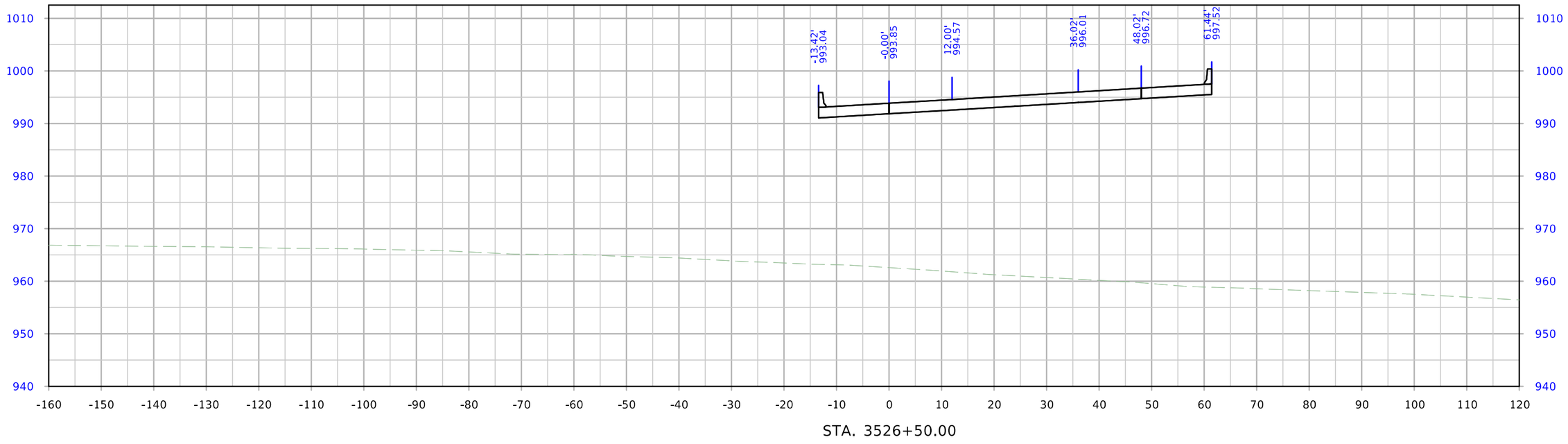
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.125

5:02:41 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y05_77035455_Z08.dgn

I-80 Westbound Ramp



STA. 3526+51.15

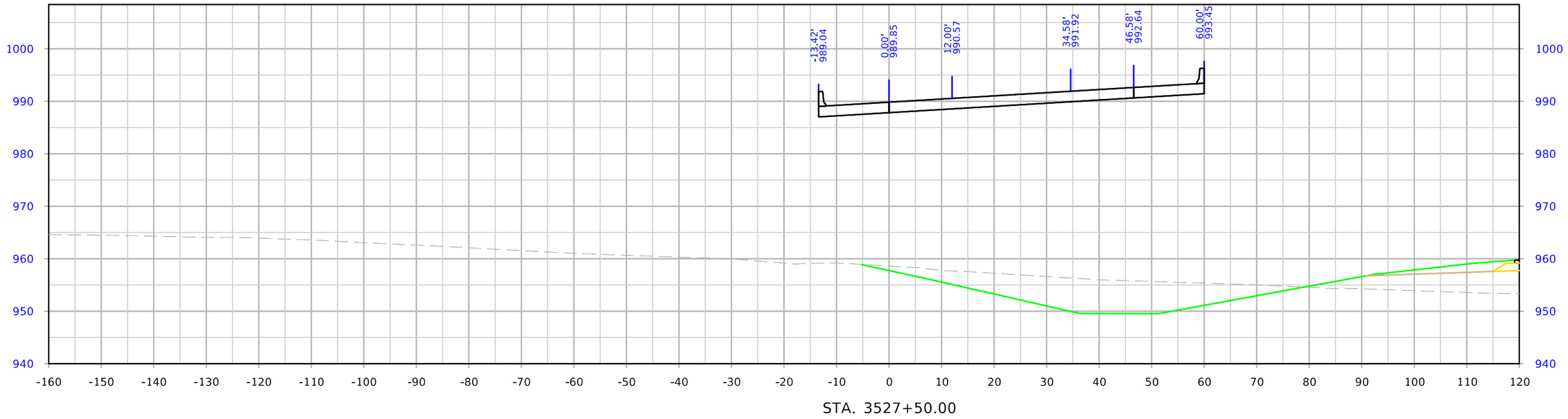


STA. 3526+50.00

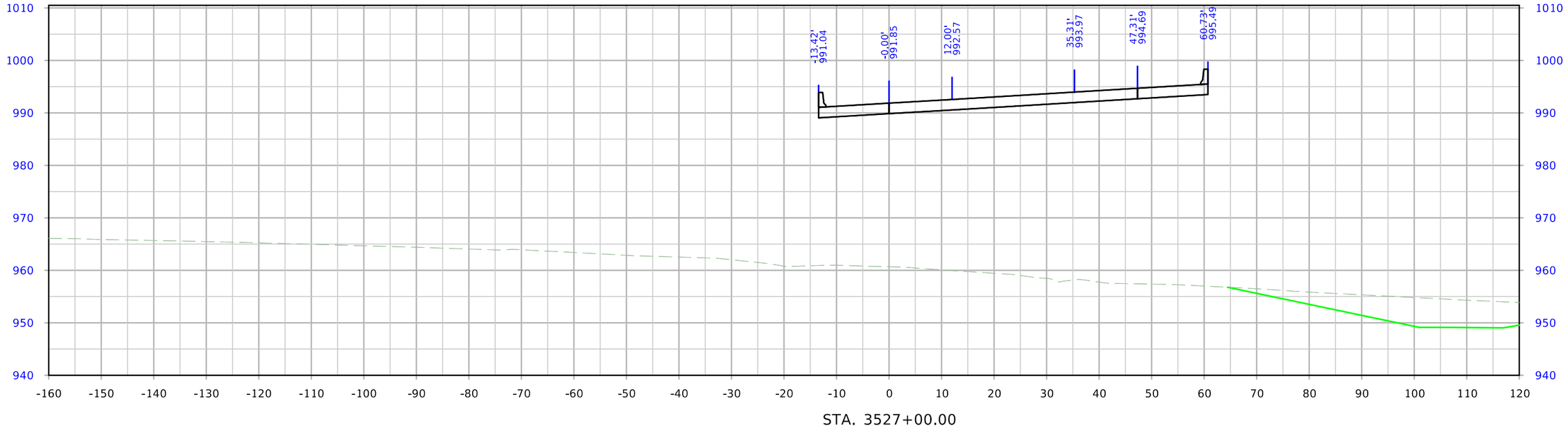
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.126

5:02:44 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y05_77035455_Z08.dgn

I-80 Westbound Ramp



STA. 3527+50.00

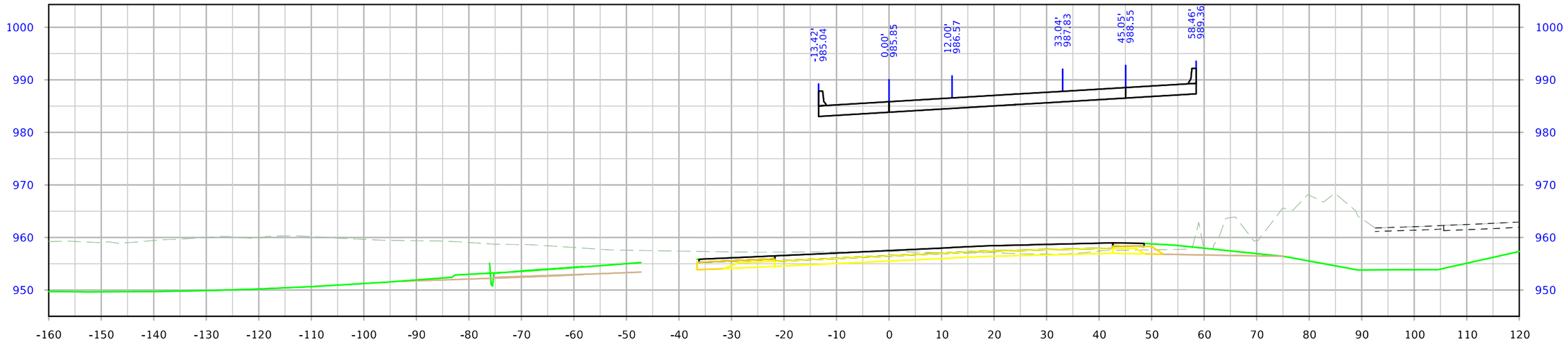


STA. 3527+00.00

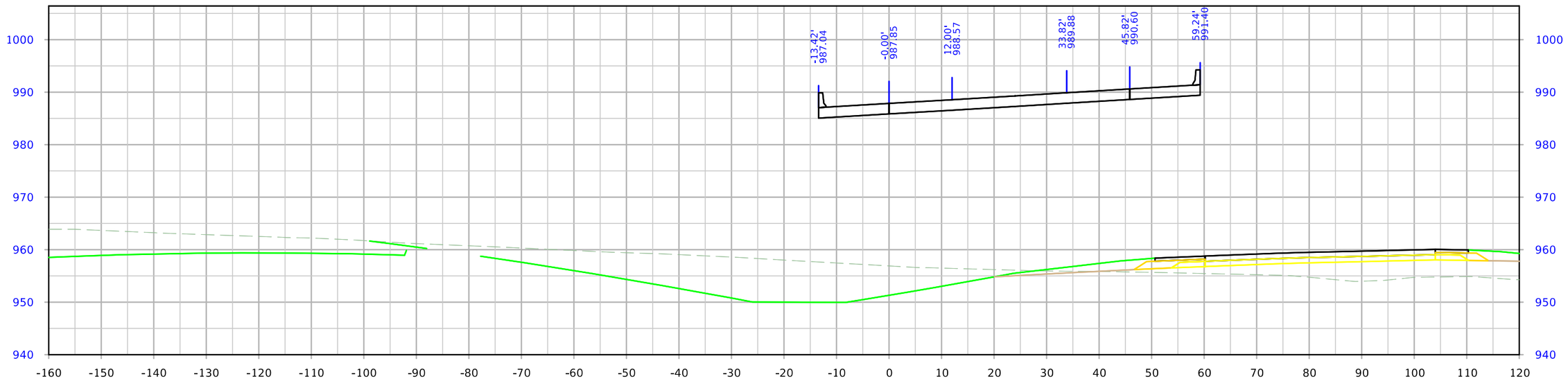
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.127

5:02:47 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y05_77035455_Z08.dgn

I-80 Westbound Ramp



STA. 3528+50.00



STA. 3528+00.00

FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.128

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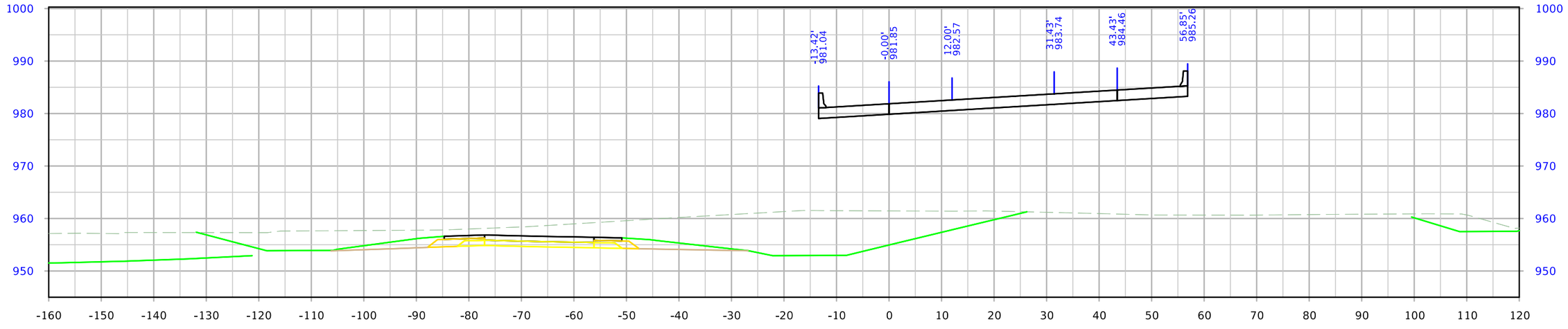
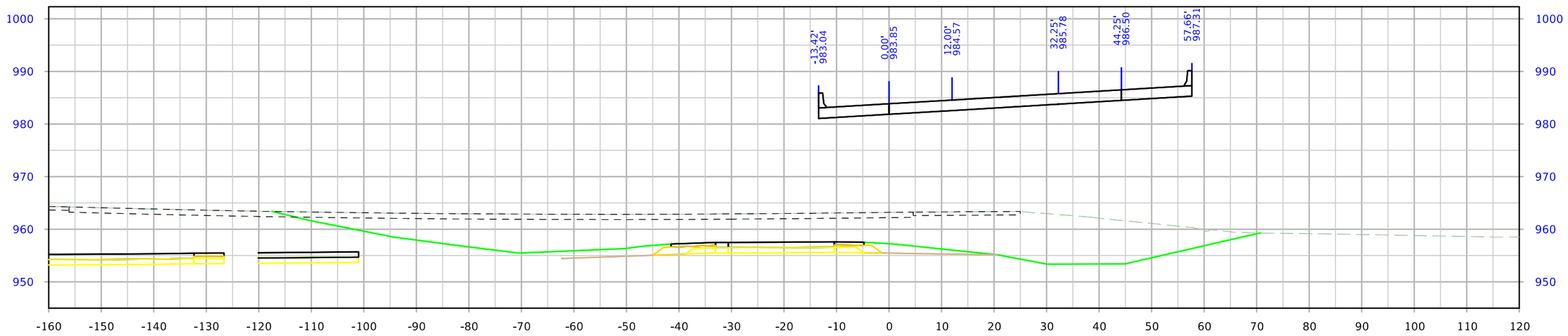
I-80 Westbound Ramp



STA. 3529+50.00

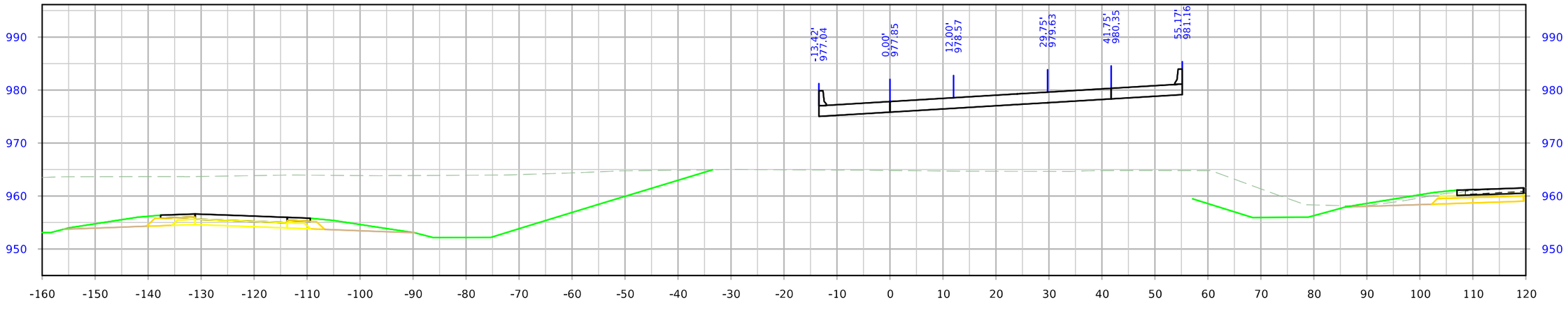


STA. 3529+00.00

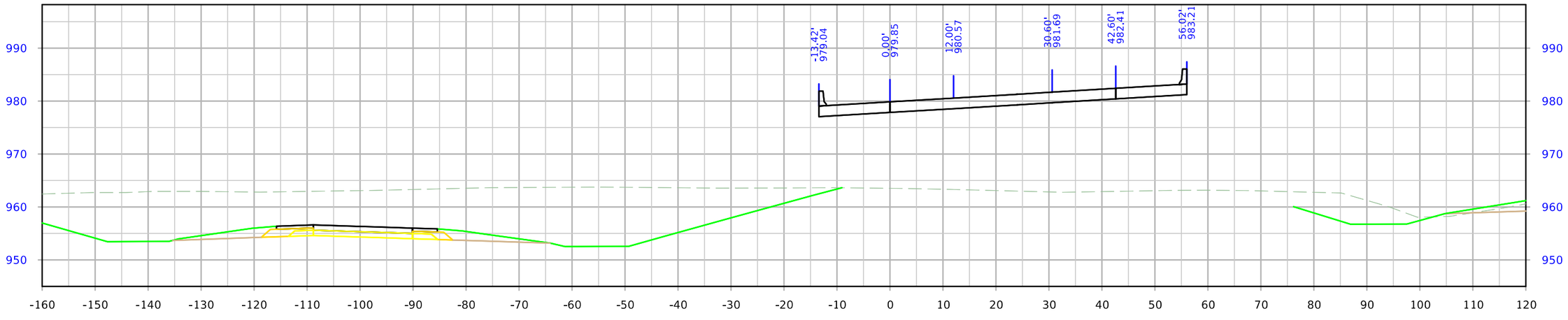
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.129

5:02:53 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y05_77035455_Z08.dgn

I-80 Westbound Ramp



STA. 3530+50.00

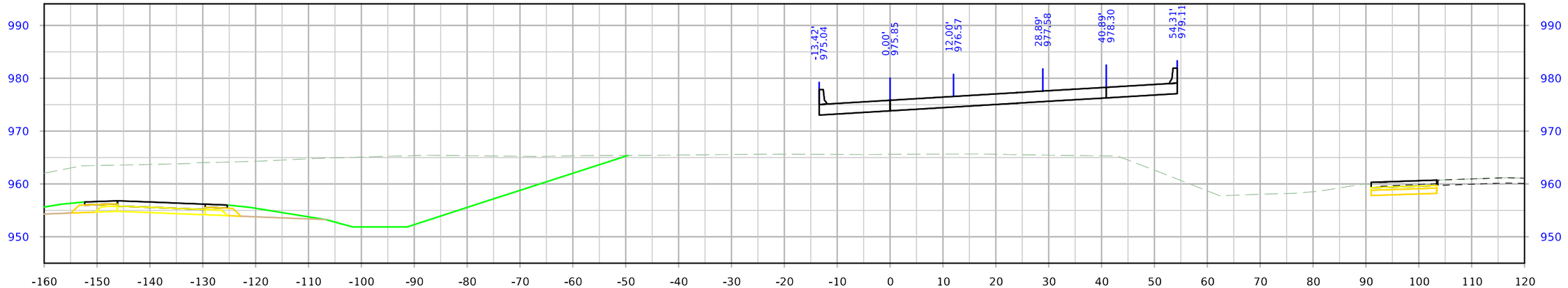


STA. 3530+00.00

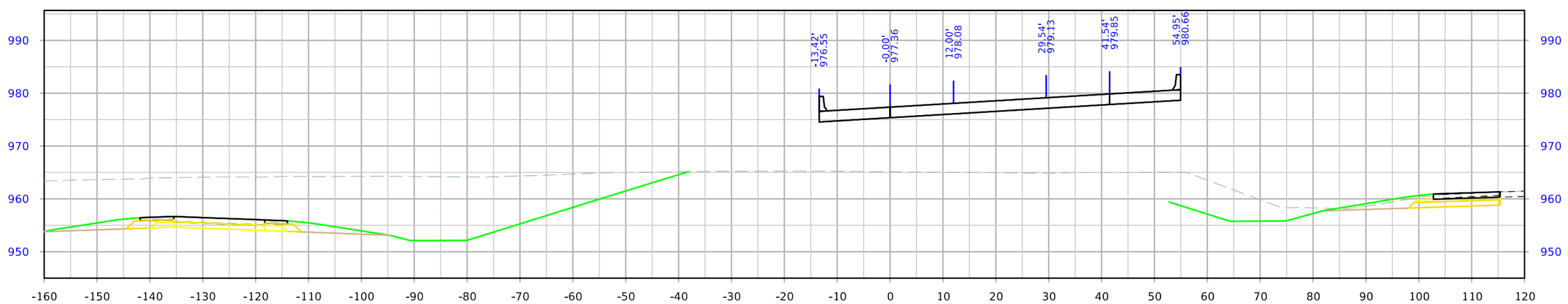
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.130	

5:02:56 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y05_77035455_Z08.dgn

I-80 Westbound Ramp



STA. 3531+00.00

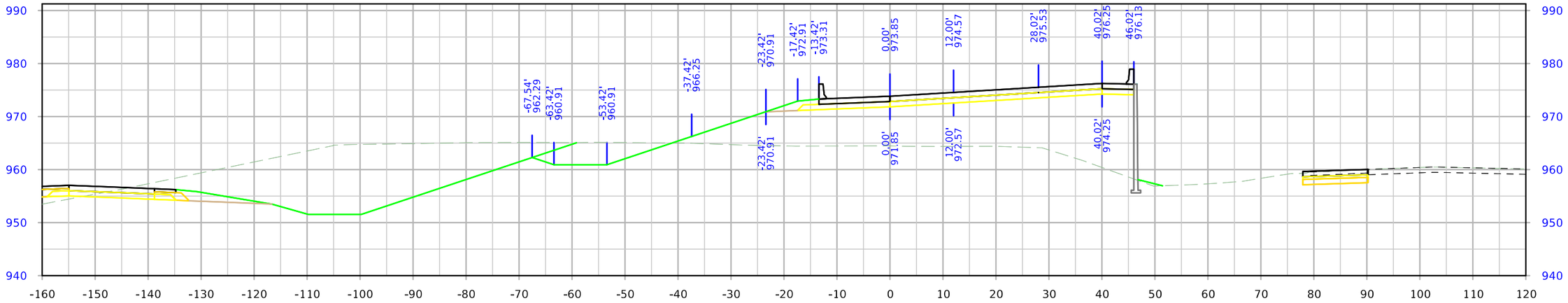


STA. 3530+62.29

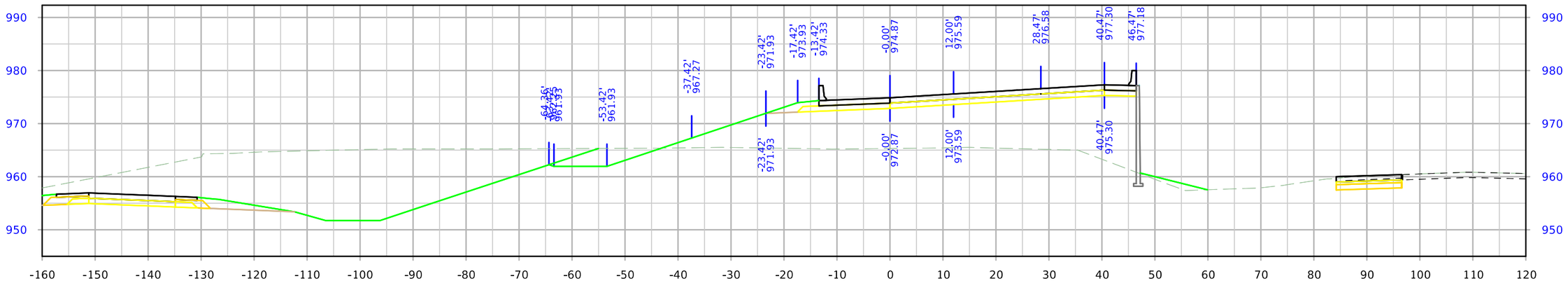
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.131

5:02:59 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y05_77035455_Z08.dgn

I-80 Westbound Ramp



STA. 3531+50.00

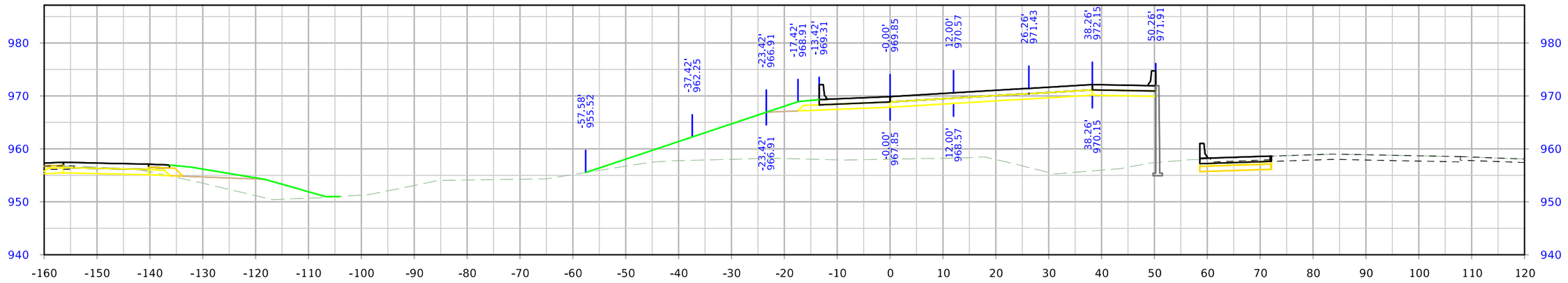


STA. 3531+24.53

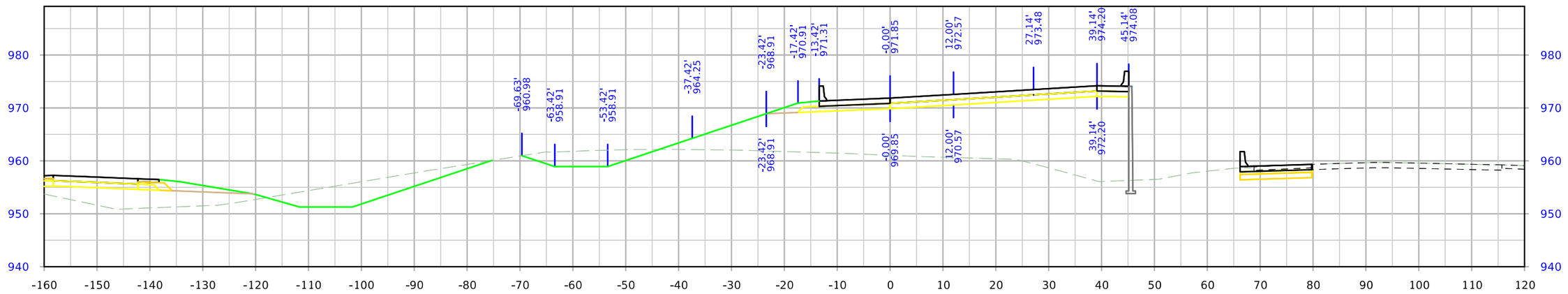
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.132

5:03:02 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y05_77035455_Z08.dgn

I-80 Westbound Ramp



STA. 3532+50.00

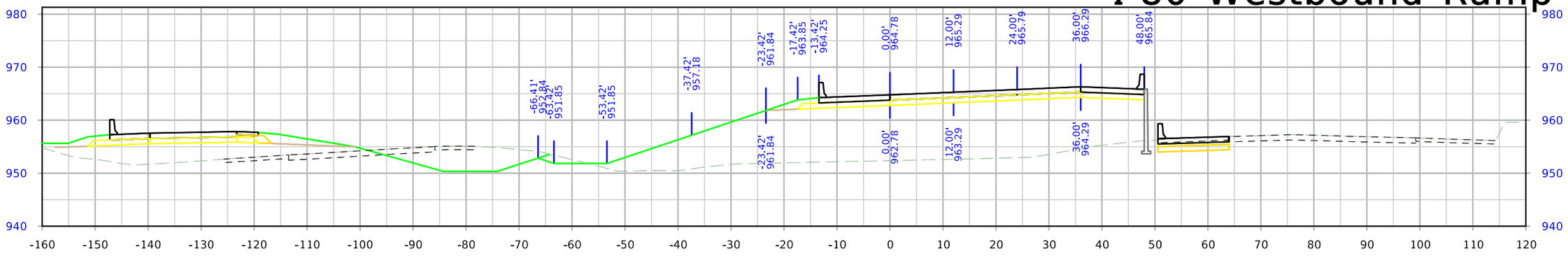


STA. 3532+00.00

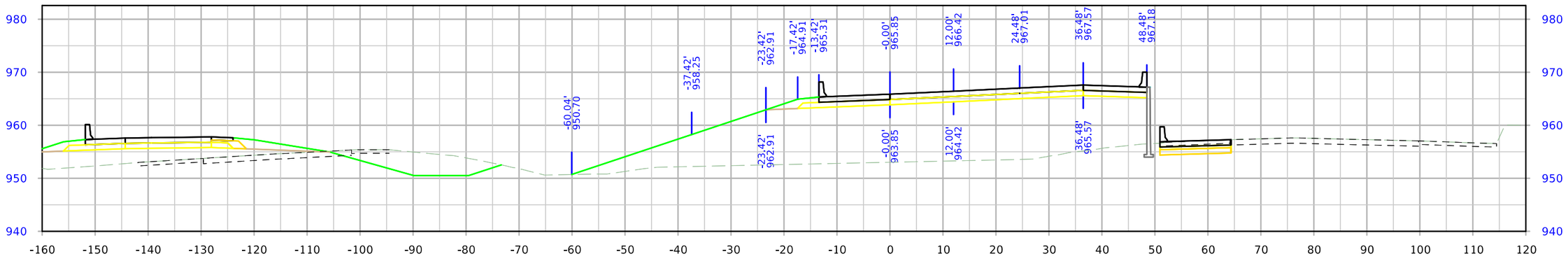
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.133

5:03:05 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y05_77035455_Z08.dgn

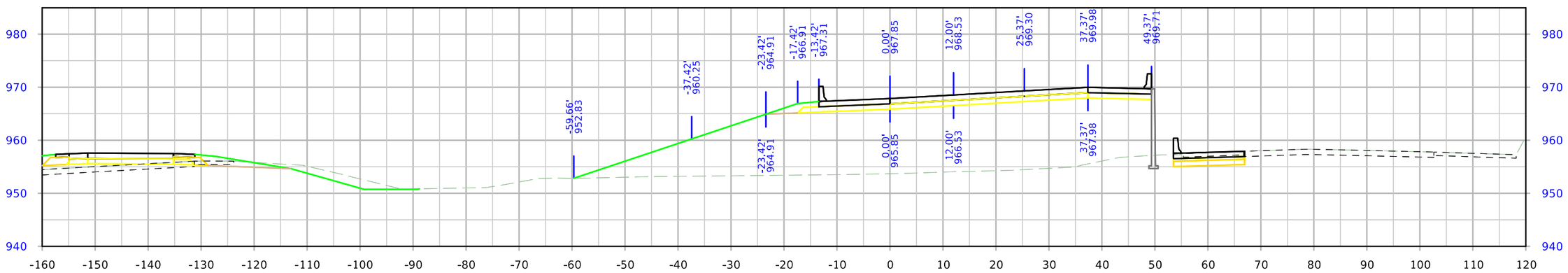
I-80 Westbound Ramp



STA. 3533+76.67



STA. 3533+50.00

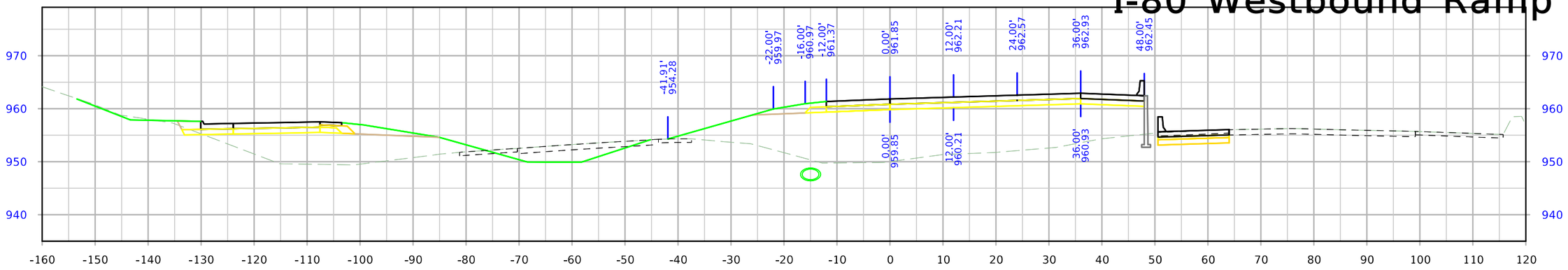


STA. 3533+00.00

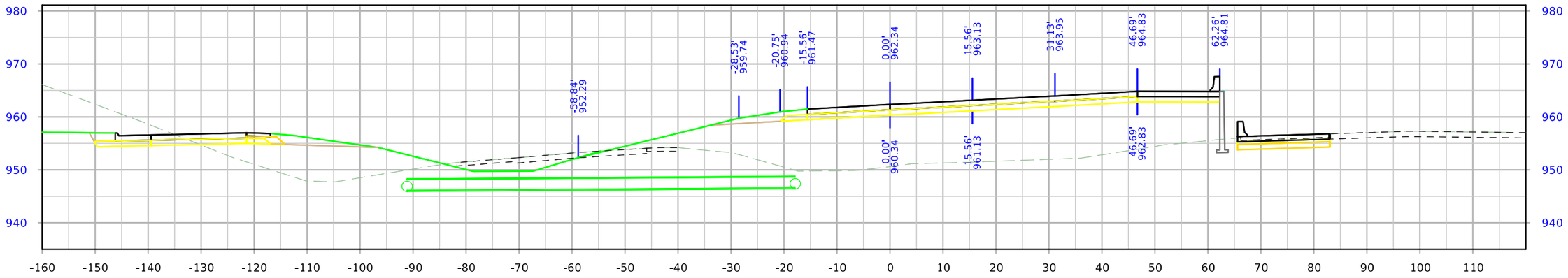
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.134

5:03:09 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y05_77035455_Z08.dgn

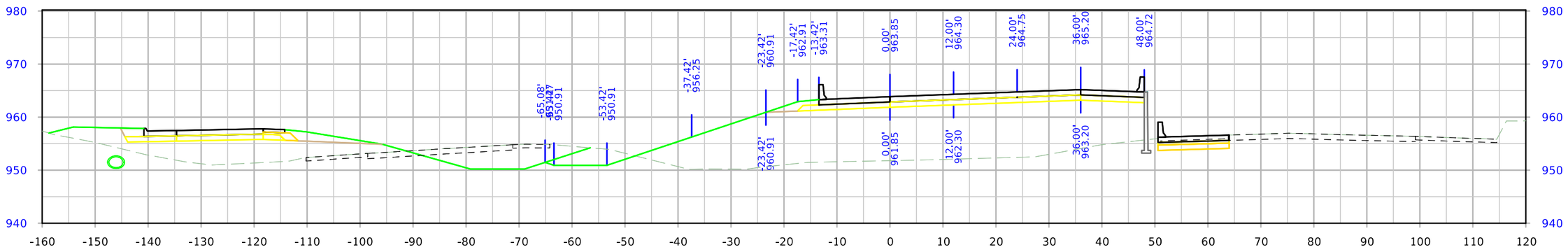
I-80 Westbound Ramp



STA. 3534+50.00



STA. 3534+37.62

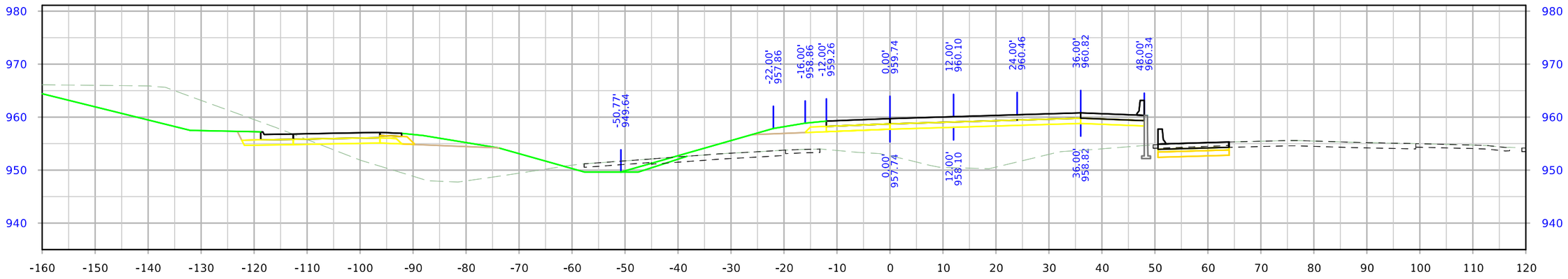


STA. 3534+00.00

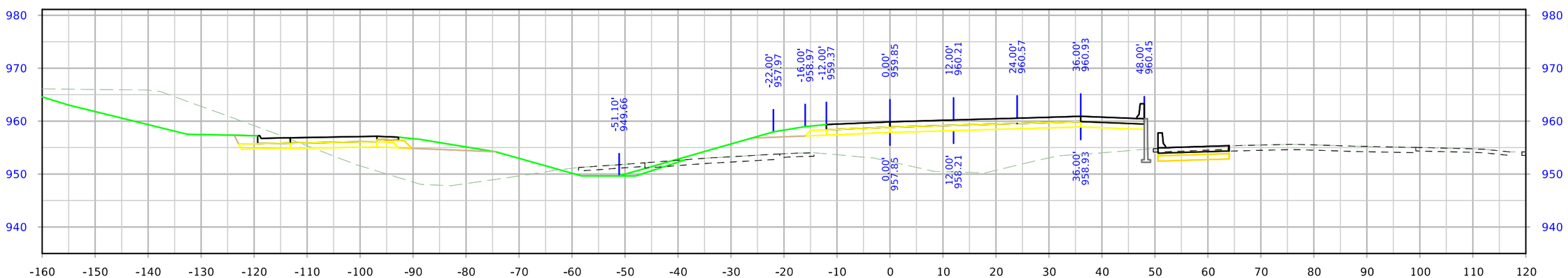
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.135

5:03:12 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y05_77035455_Z08.dgn

I-80 Westbound Ramp



STA. 3535+02.71

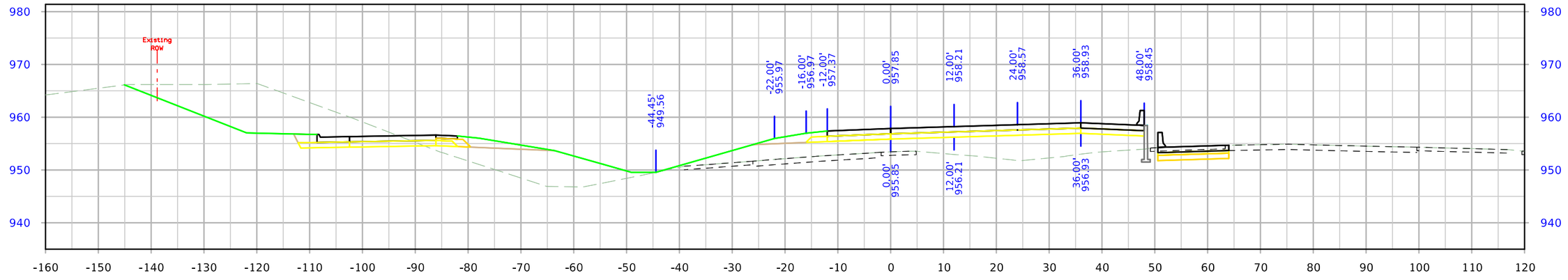


STA. 3535+00.00

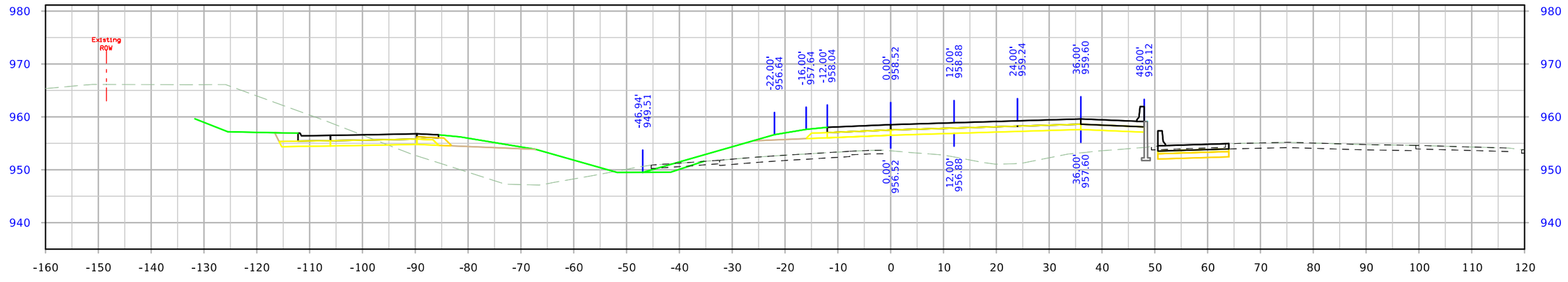
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.136

5:03:15 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y05_77035455_Z08.dgn

I-80 Westbound Ramp



STA. 3535+50.00

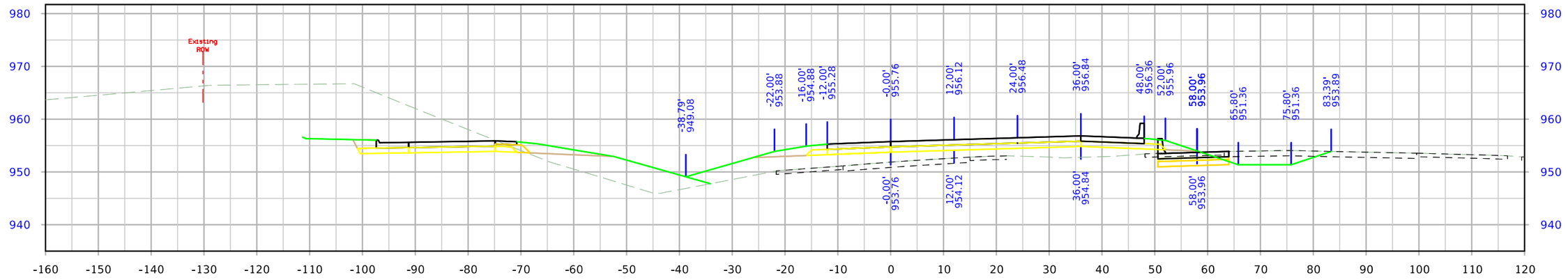


STA. 3535+33.26

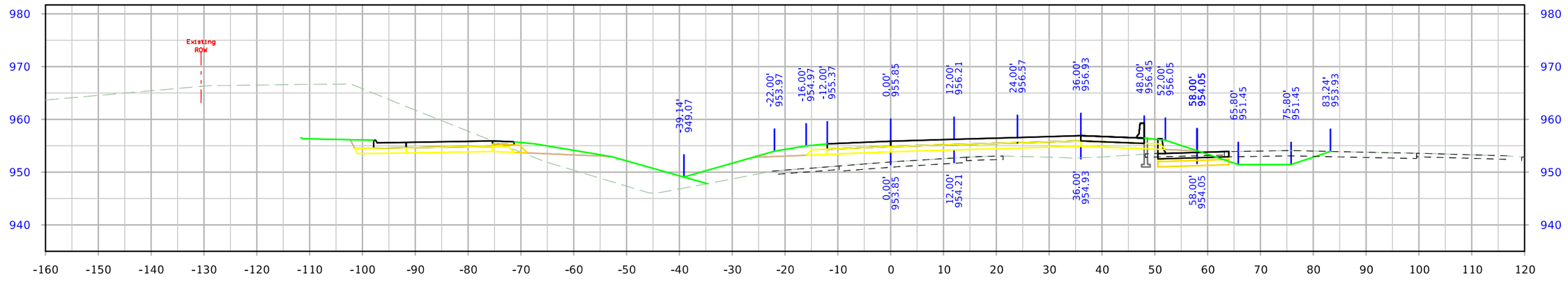
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.137

5:03:18 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y05_77035455_Z08.dgn

I-80 Westbound Ramp



STA. 3536+02.32

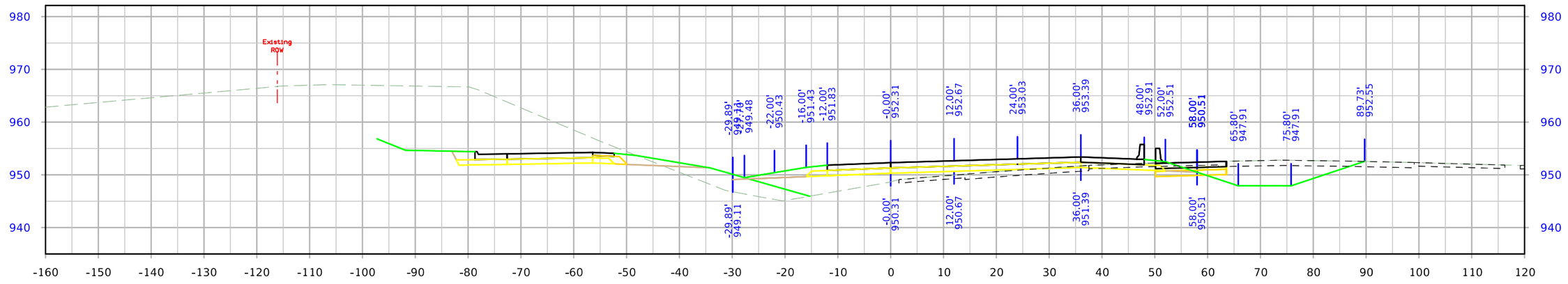


STA. 3536+00.00

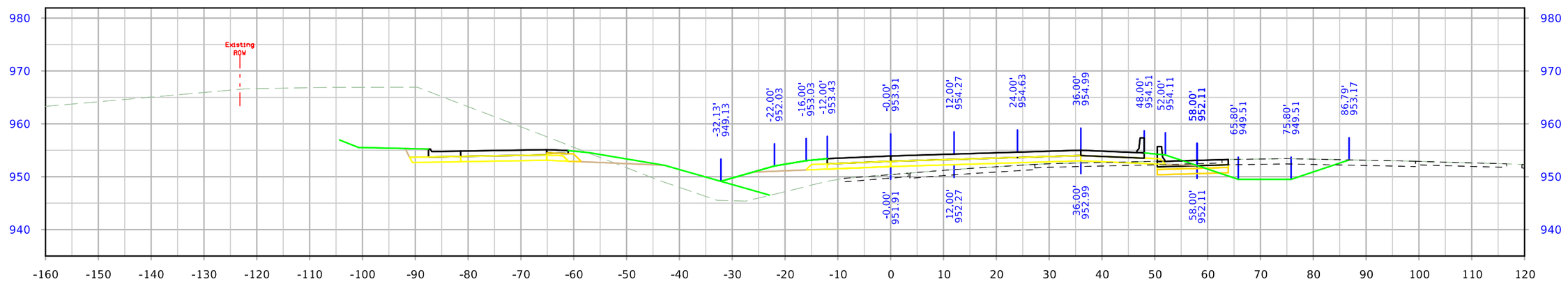
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.138	

5:03:20 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y05_77035455_Z08.dgn

I-80 Westbound Ramp



STA. 3537+00.00

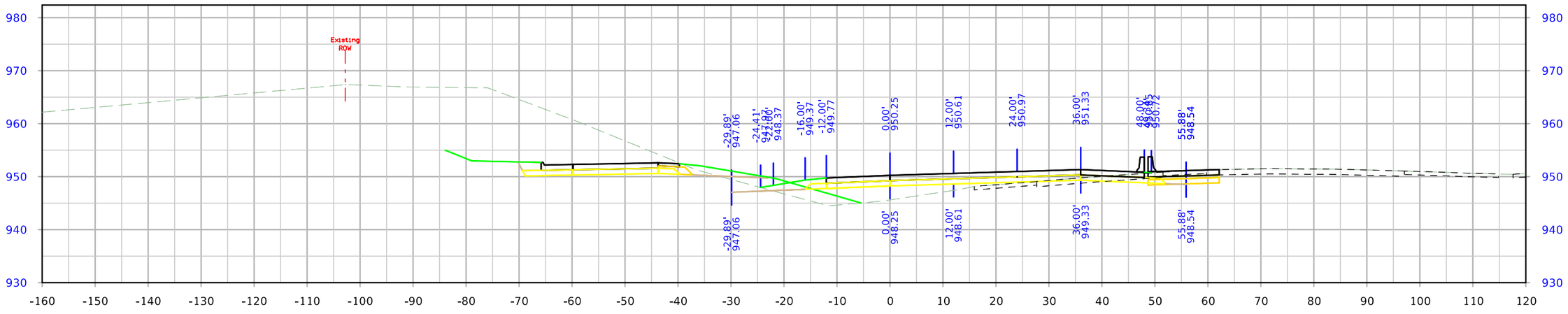


STA. 3536+50.00

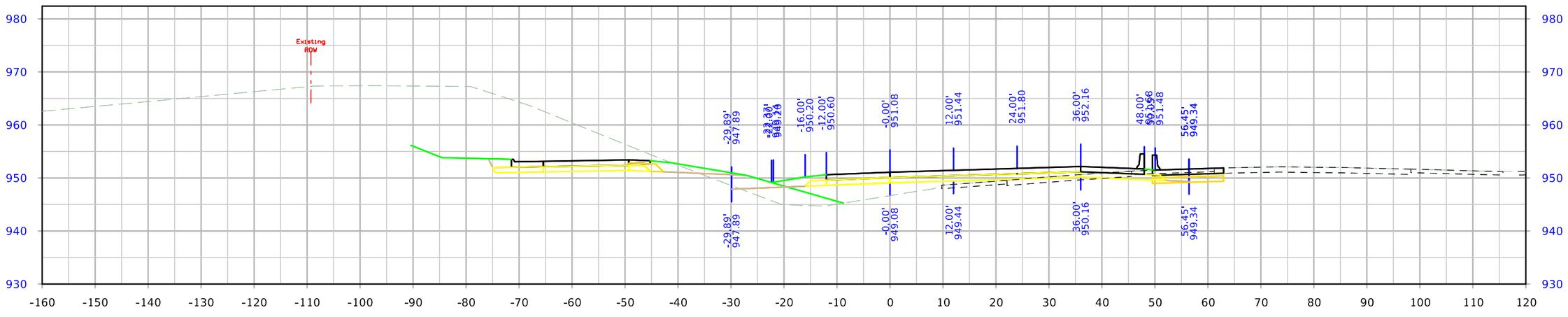
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.139

5:03:22 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y05_77035455_Z08.dgn

I-80 Westbound Ramp



STA. 3537+99.15

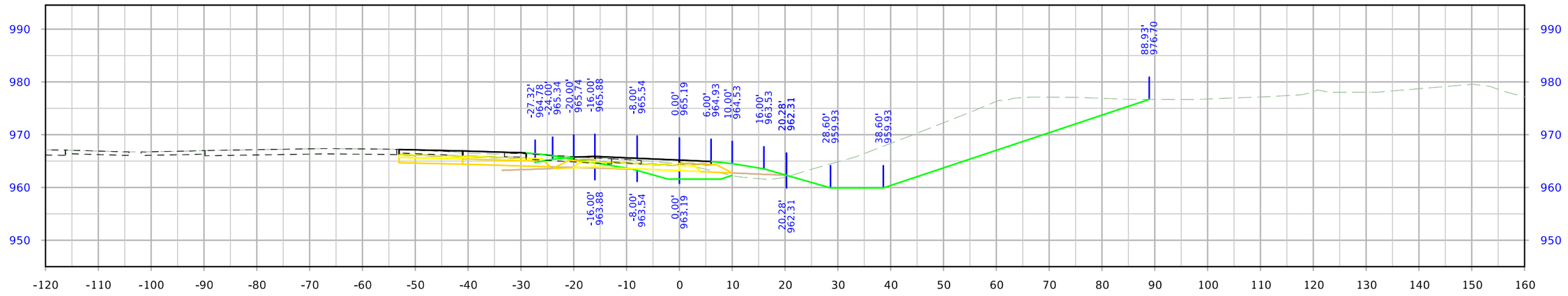


STA. 3537+50.00

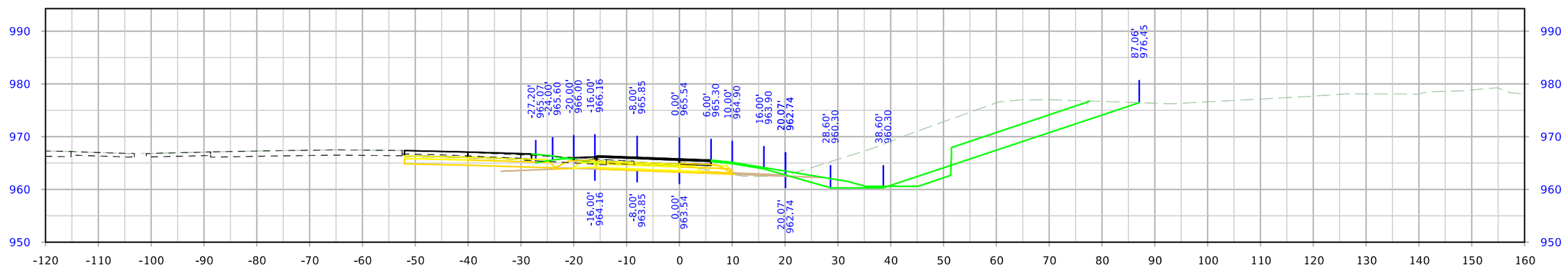
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.140

5:03:24 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y05_77035455_Z08.dgn

Valley West Drive Ramp B



STA. 2382+89.34

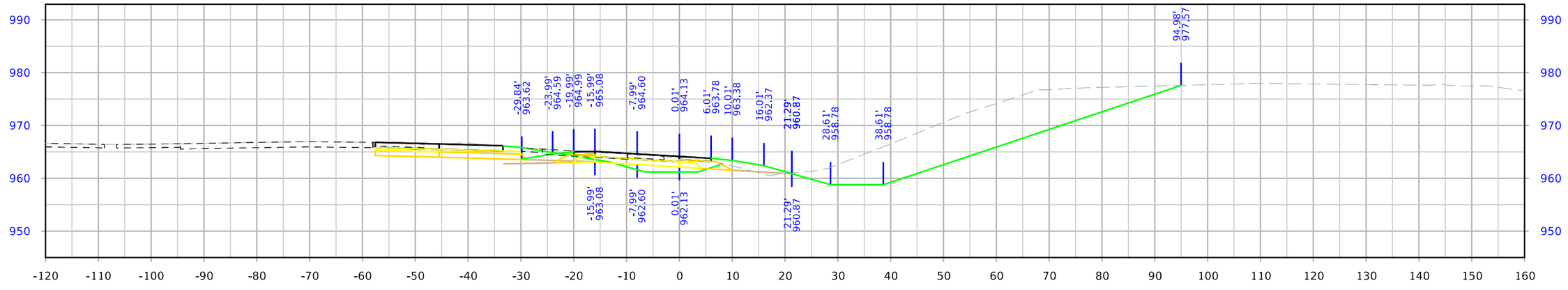


STA. 2382+74.50

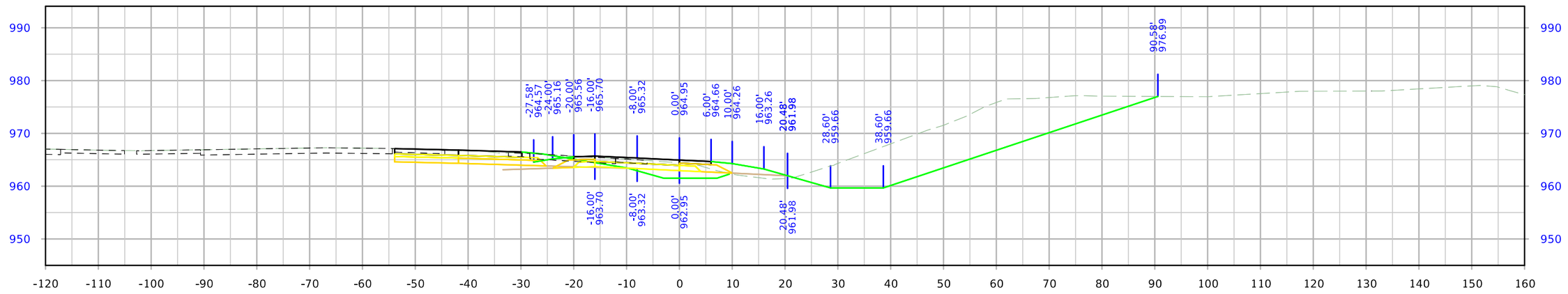
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.141	

5:03:32 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y06_77035455_Z08.dgn

Valley West Drive Ramp B



STA. 2383+38.17

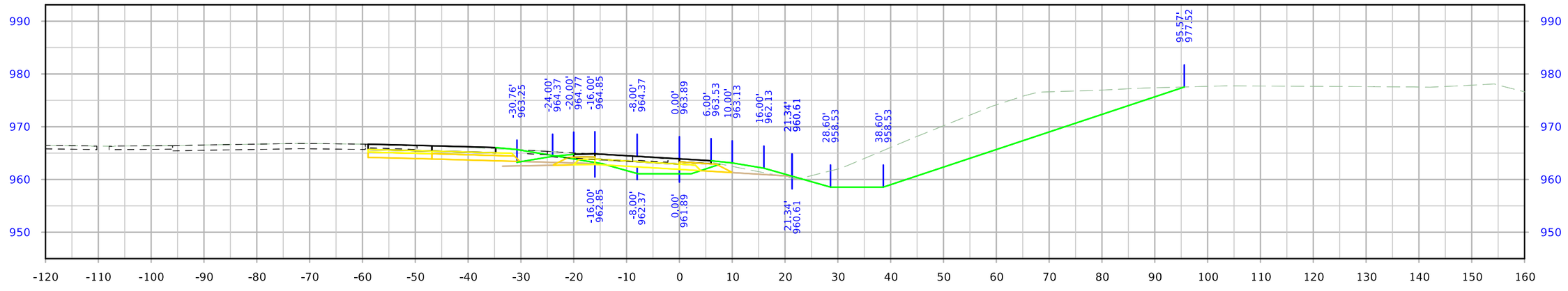


STA. 2383+00.00

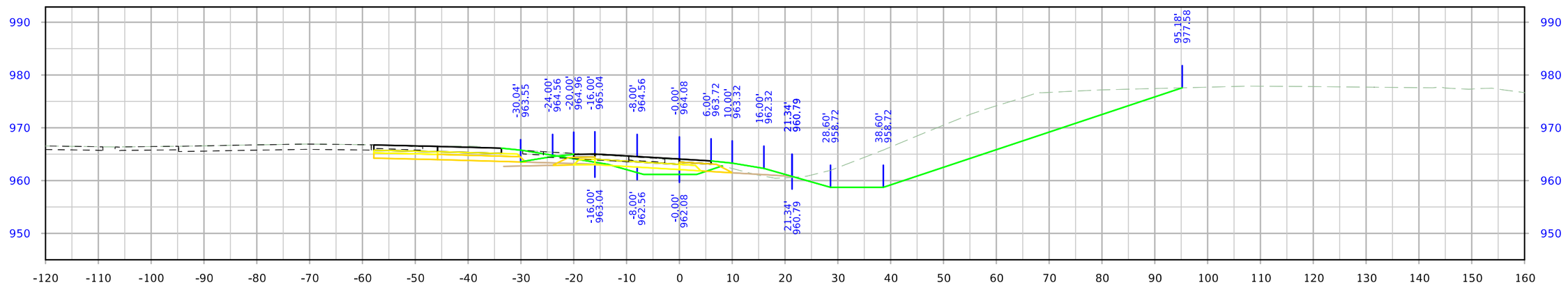
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.142

5:03:33 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y06_77035455_Z08.dgn

Valley West Drive Ramp B



STA. 2383+50.00

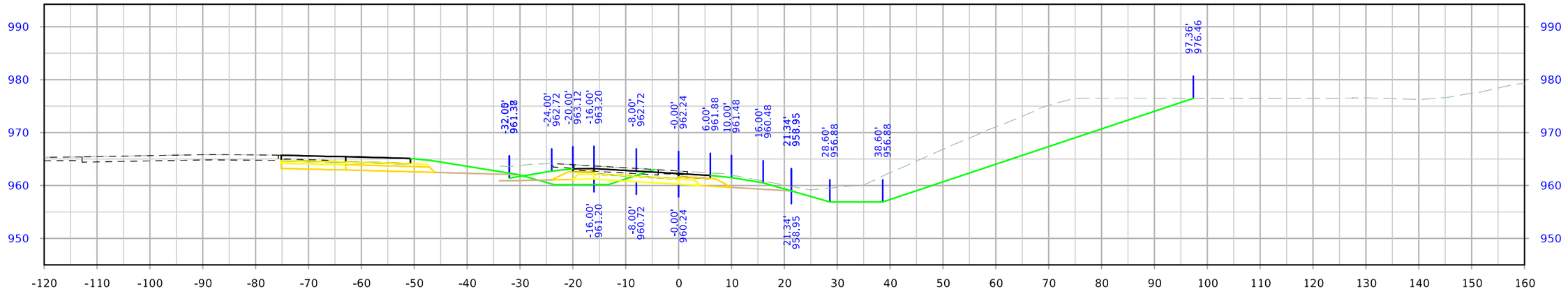


STA. 2383+40.66

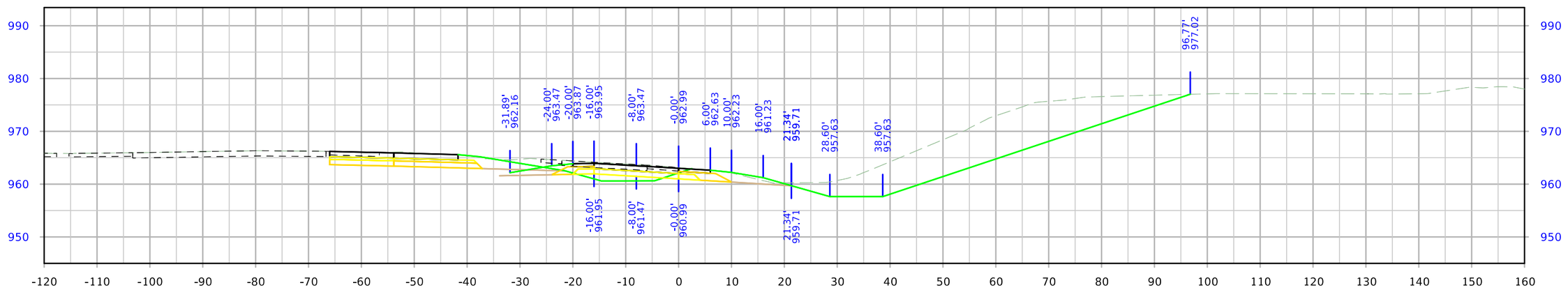
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.143

5:03:35 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y06_77035455_Z08.dgn

Valley West Drive Ramp B



STA. 2384+50.00

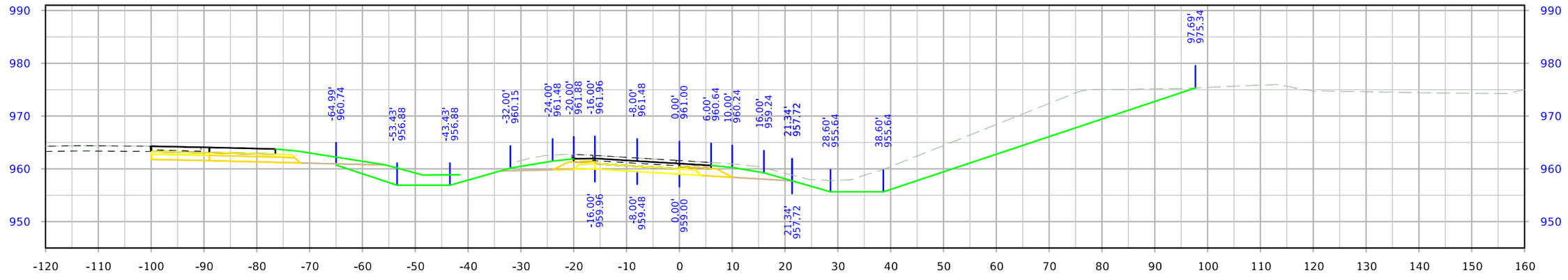


STA. 2384+00.00

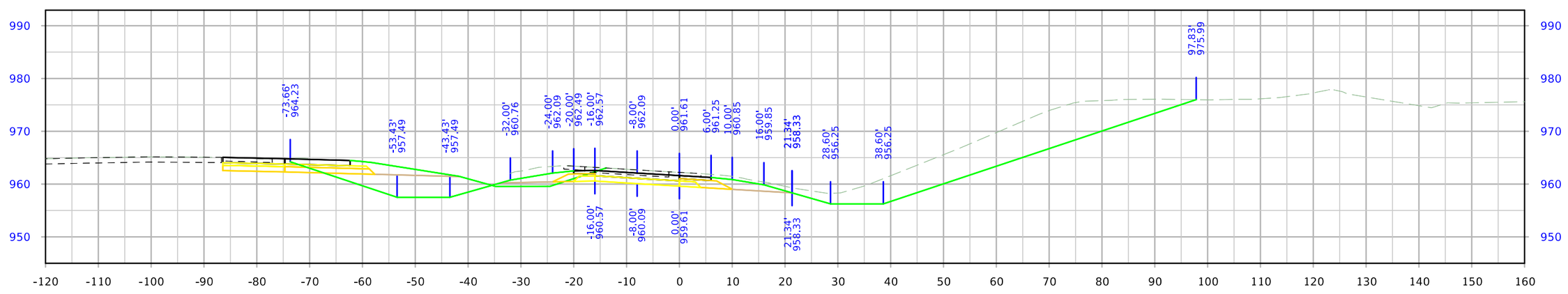
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.144

5:03:36 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y06_77035455_Z08.dgn

Valley West Drive Ramp B



STA. 2385+50.00

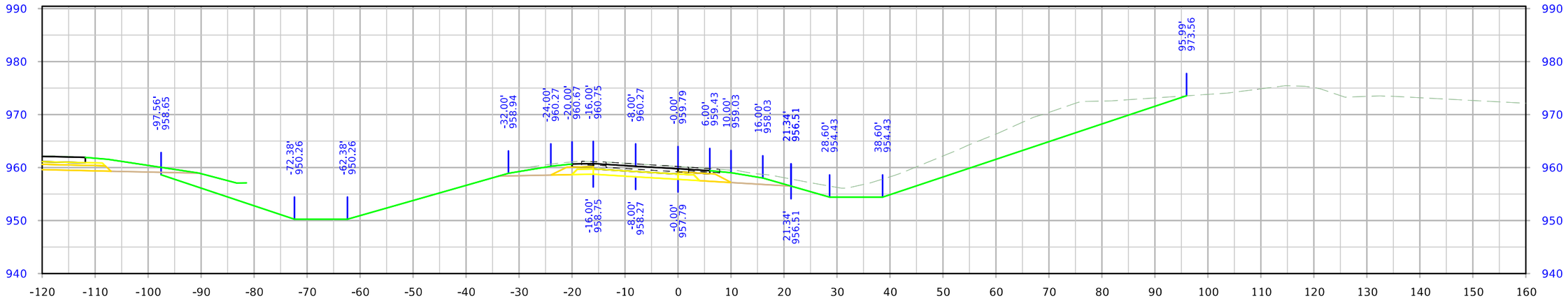


STA. 2385+00.00

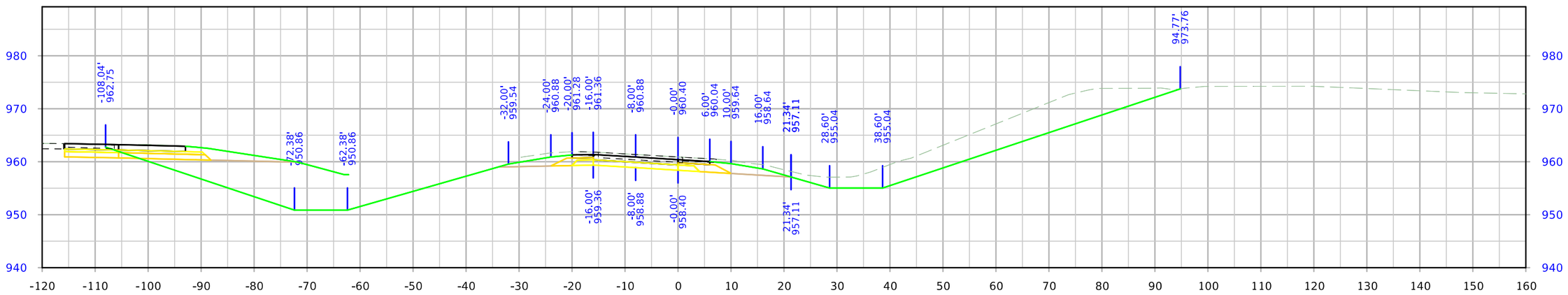
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.145

5:03:38 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y06_77035455_Z08.dgn

Valley West Drive Ramp B



STA. 2386+50.00

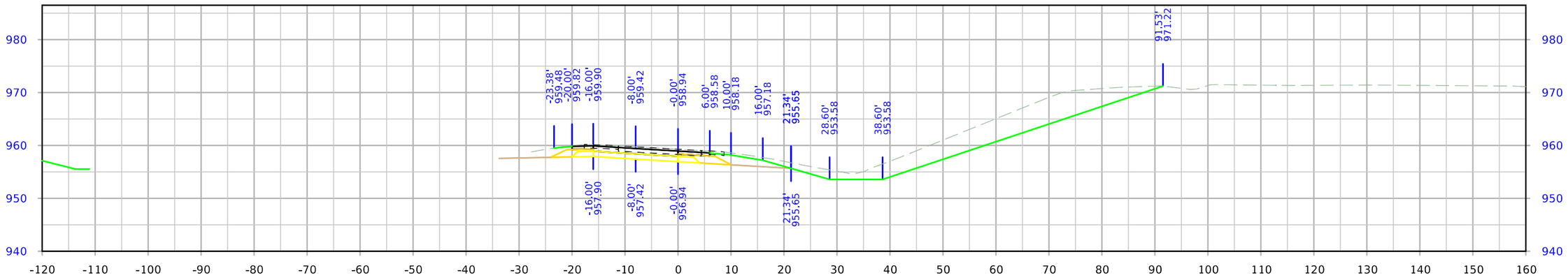


STA. 2386+00.00

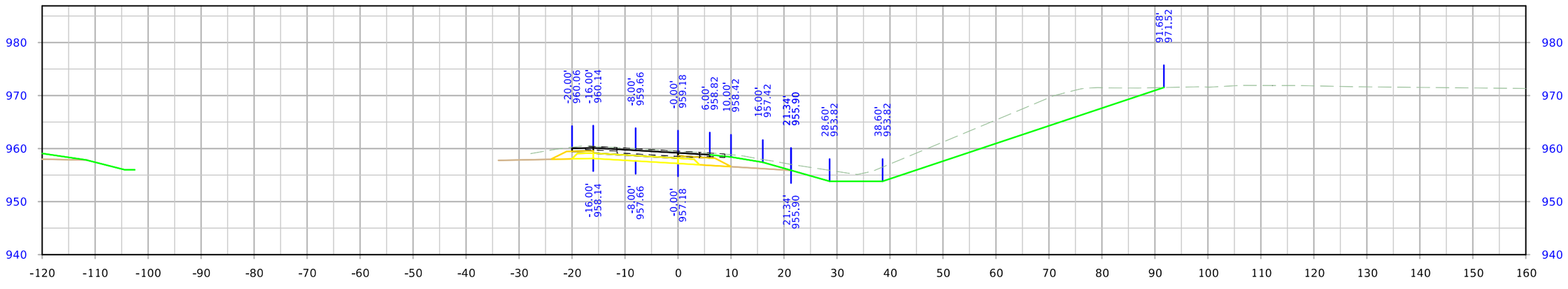
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.146

5:03:39 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y06_77035455_Z08.dgn

Valley West Drive Ramp B



STA. 2387+20.29

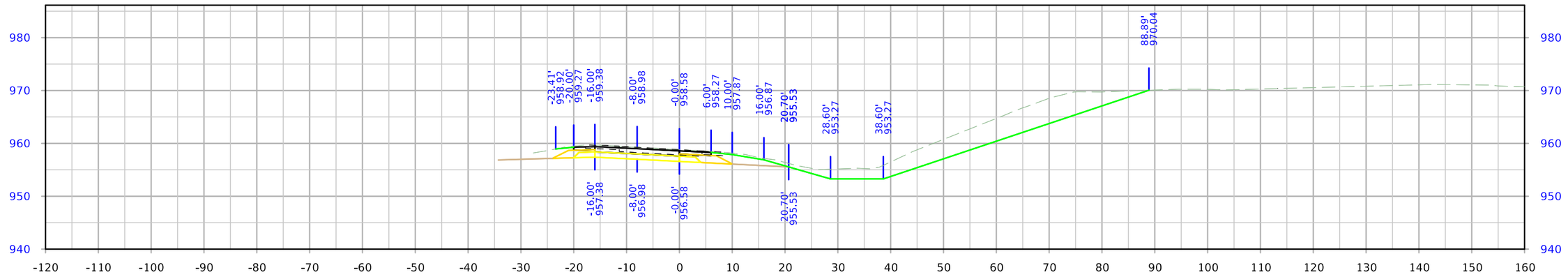


STA. 2387+00.00

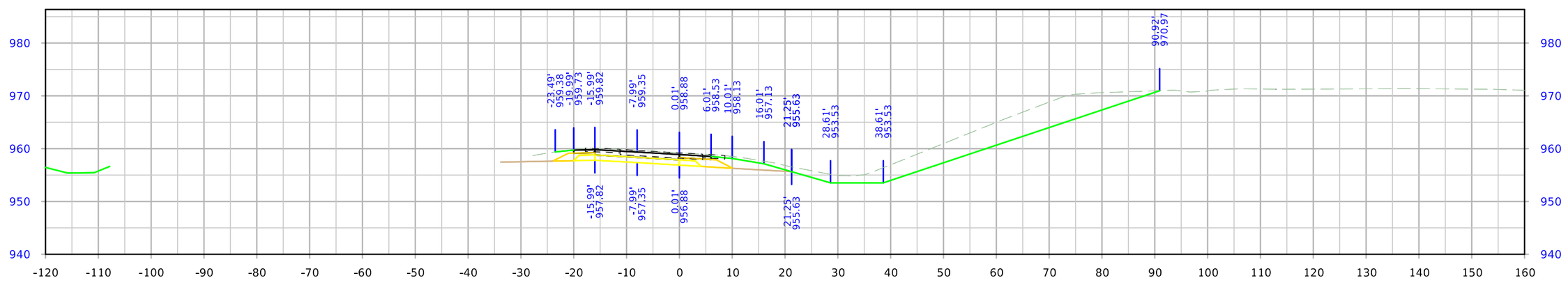
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.147

5:03:40 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y06_77035455_Z08.dgn

Valley West Drive Ramp B



STA. 2387+50.00

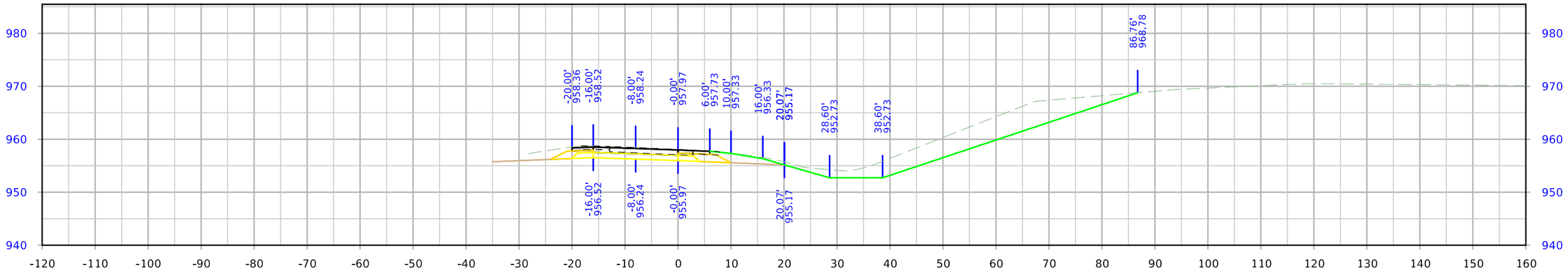


STA. 2387+24.78

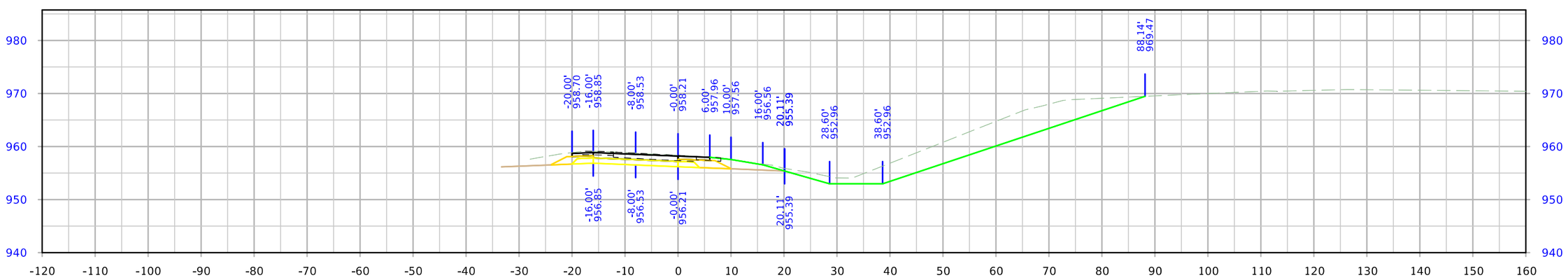
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.148

5:03:42 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y06_77035455_Z08.dgn

Valley West Drive Ramp B



STA. 2388+00.00

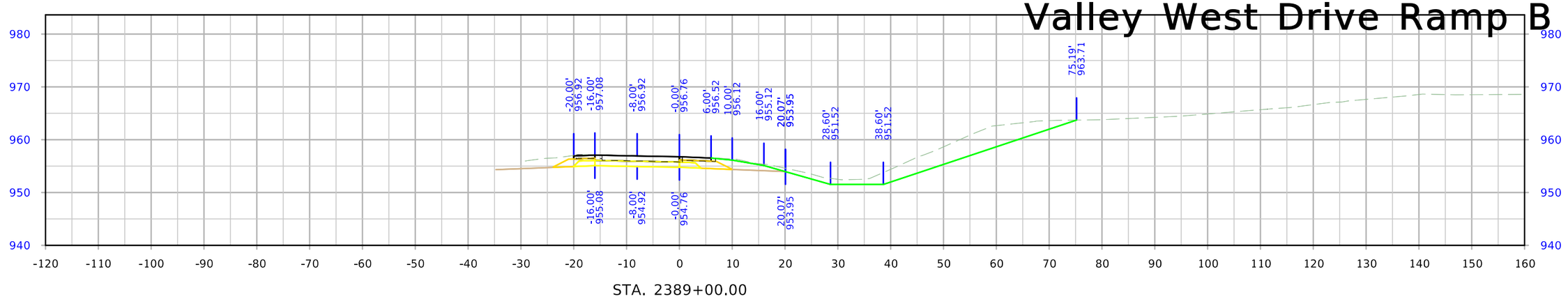


STA. 2387+80.57

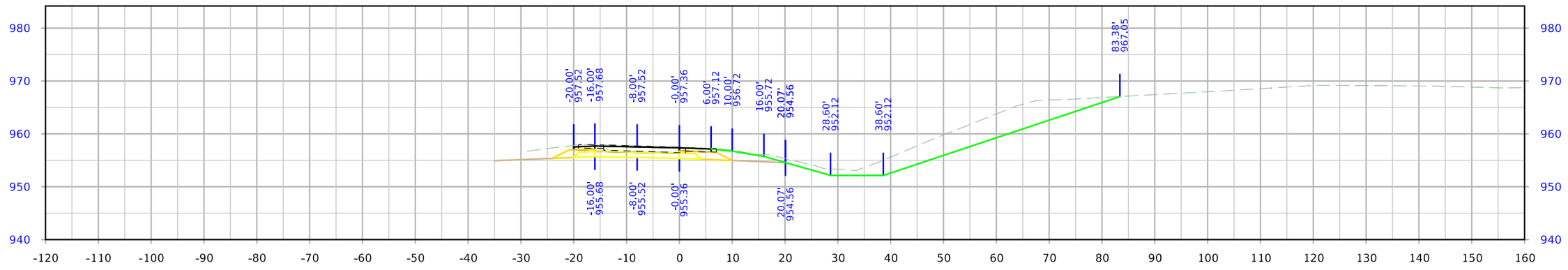
FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.149	

5:03:43 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y06_77035455_Z08.dgn

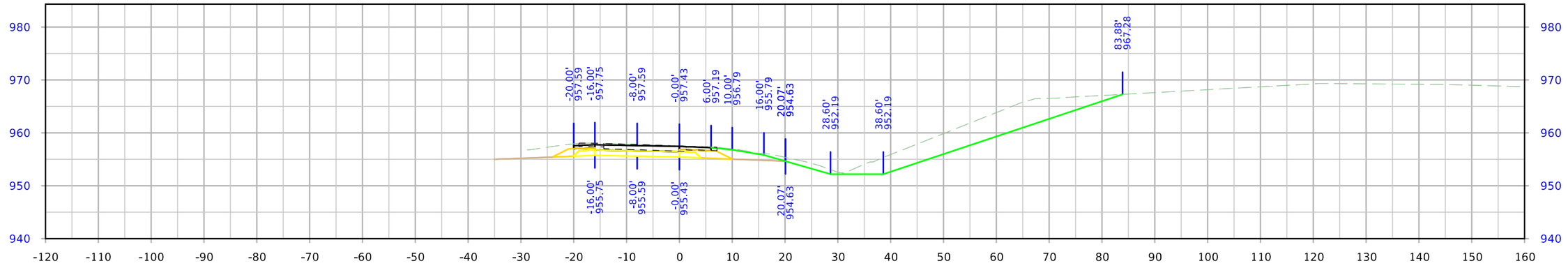
Valley West Drive Ramp B



STA. 2389+00.00



STA. 2388+50.00

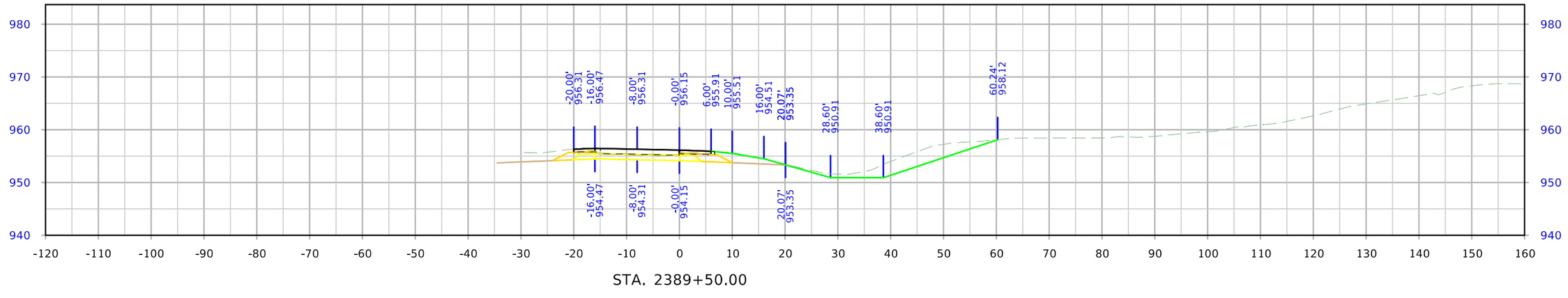


STA. 2388+44.29

FILE NO. 98765	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.150

5:03:45 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y06_77035455_Z08.dgn

Valley West Drive Ramp B

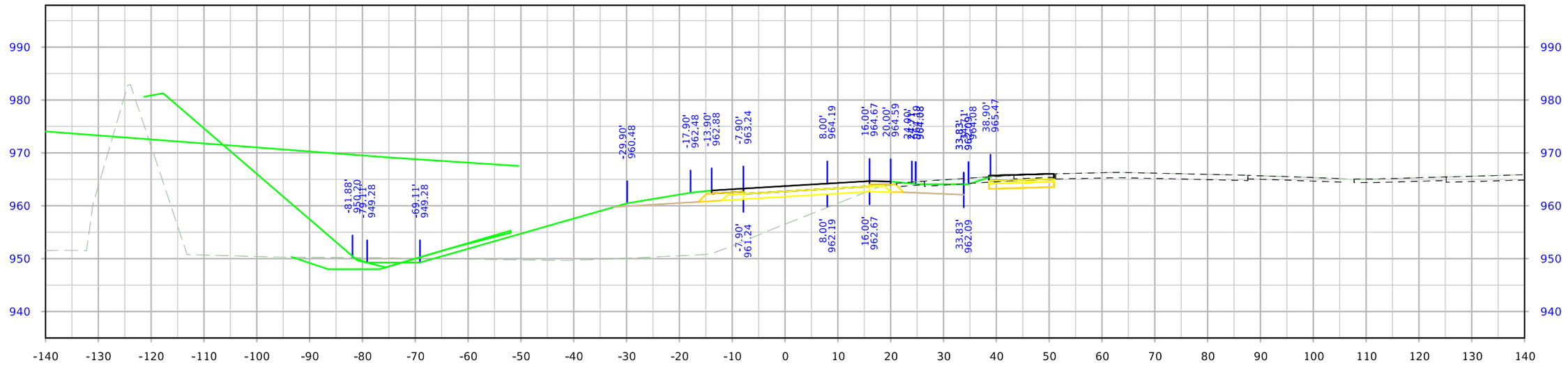


STA. 2389+50.00

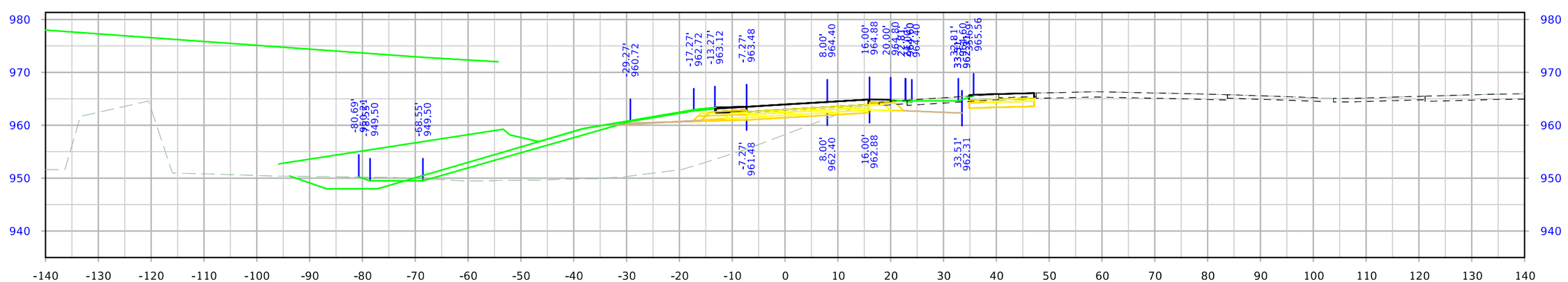
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.151

5:03:46 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y06_77035455_Z08.dgn

University Avenue Ramp C



STA. 3339+00.00

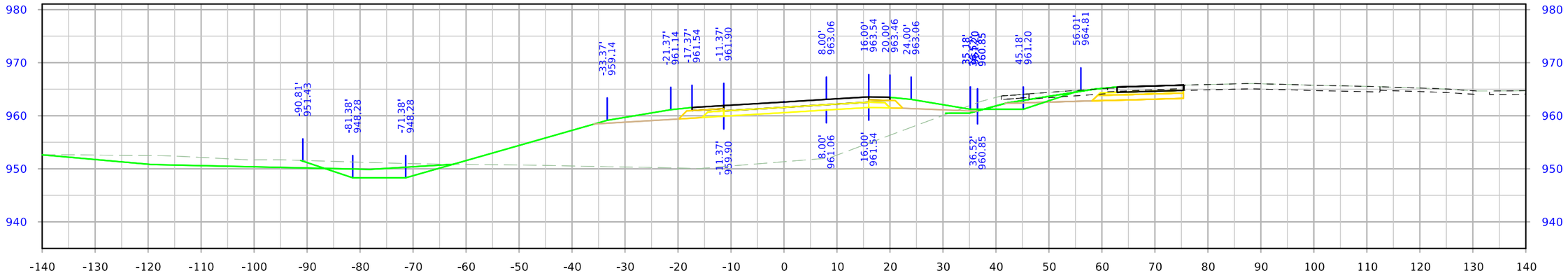


STA. 3338+84.20

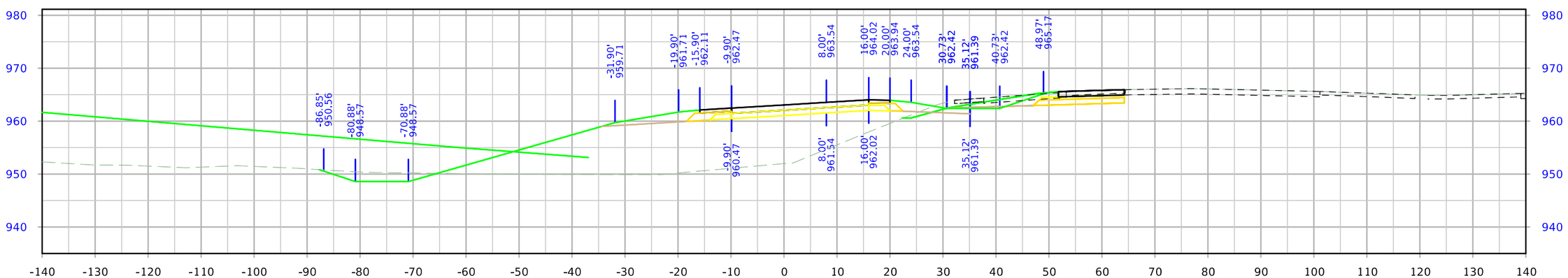
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.152

5:03:59 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y07_77035455_Z08.dgn

University Avenue Ramp C



STA. 3339+86.86

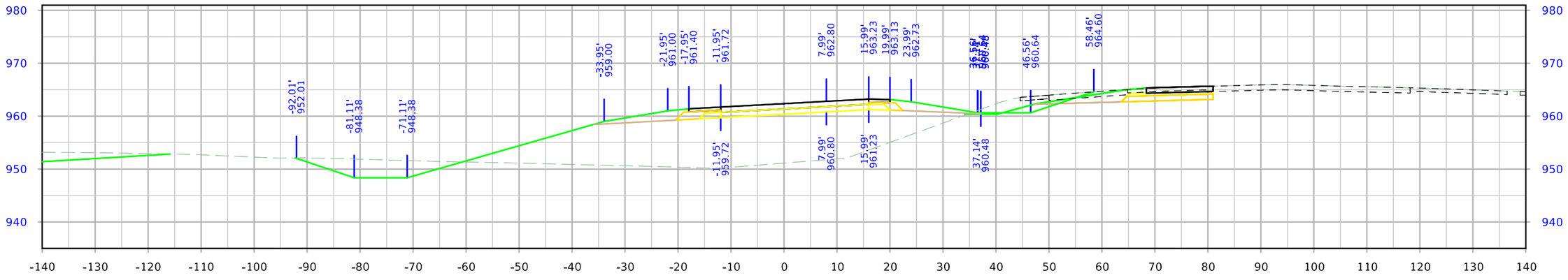


STA. 3339+50.00

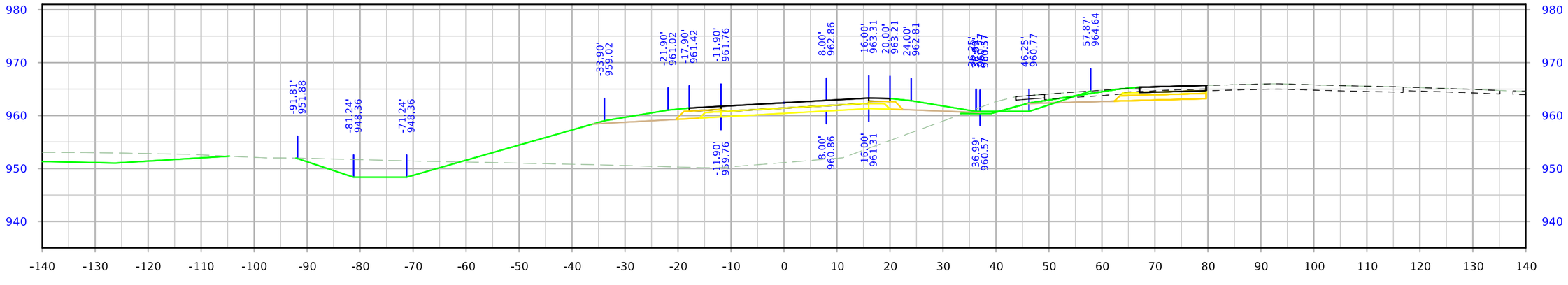
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.153	

5:04:02 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y07_77035455_Z08.dgn

University Avenue Ramp C



STA. 3340+03.93

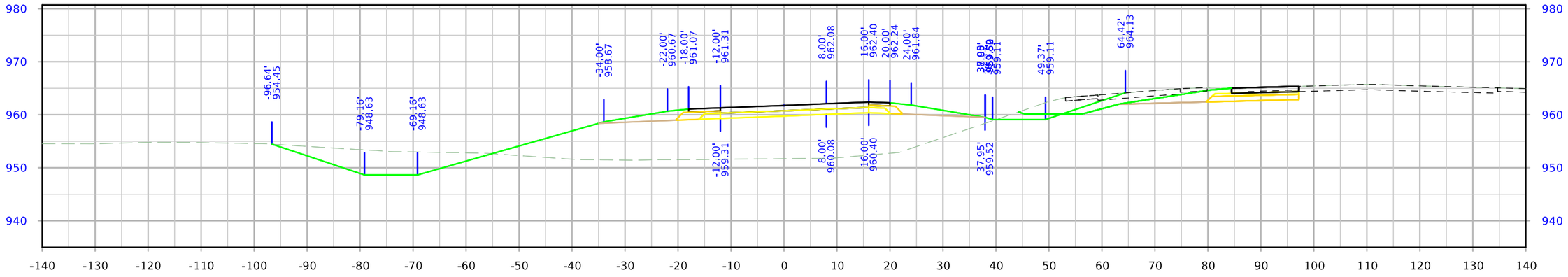


STA. 3340+00.00

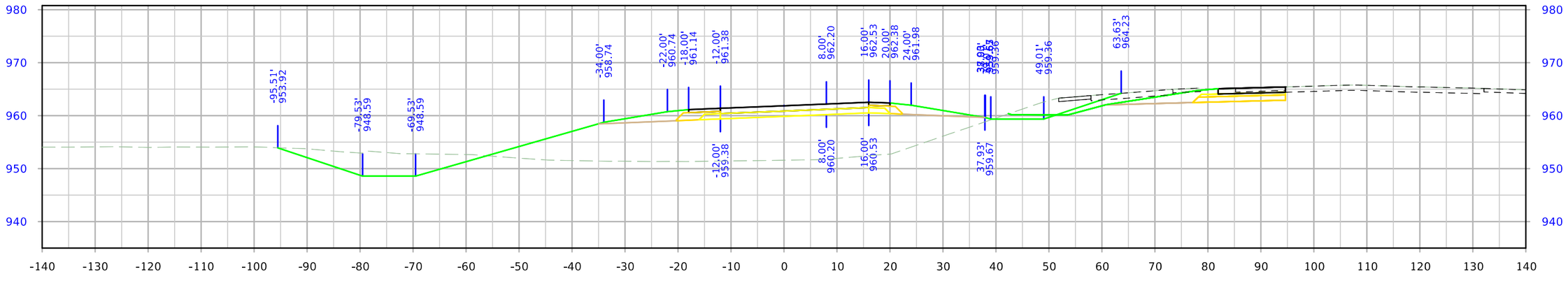
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.154

5:04:05 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y07_77035455_Z08.dgn

University Avenue Ramp C



STA. 3340+50.00

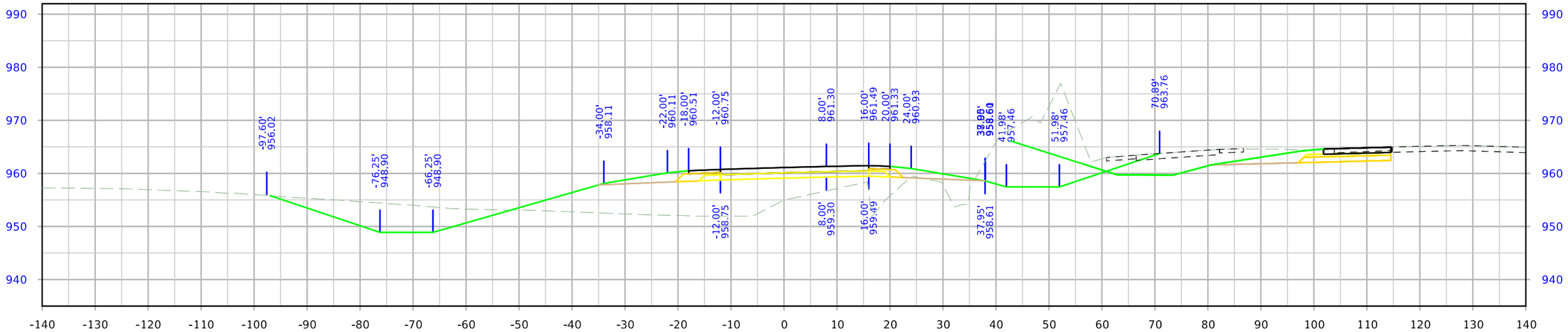


STA. 3340+42.66

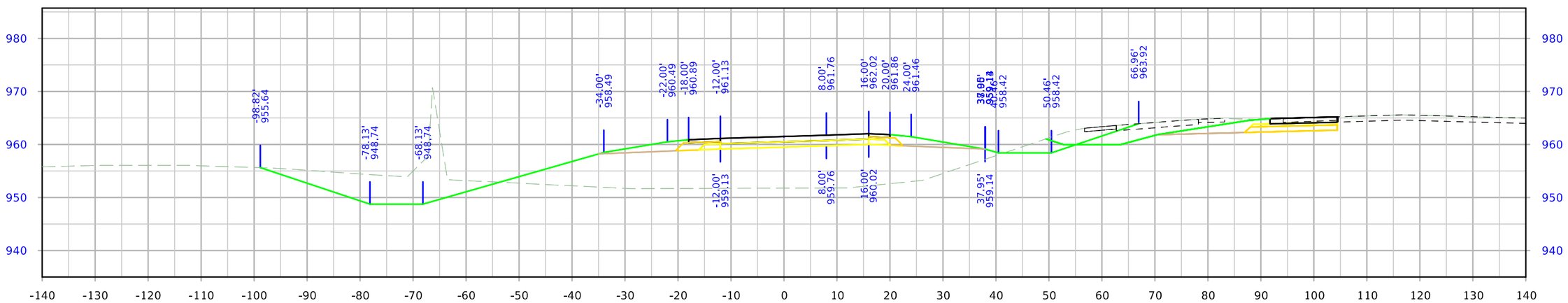
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.155

5:04:09 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y07_77035455_Z08.dgn

University Avenue Ramp C



STA. 3341+00.00

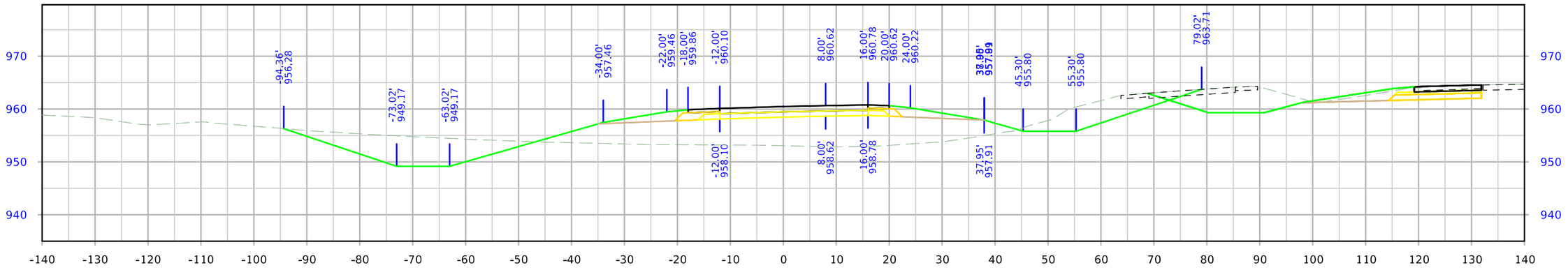


STA. 3340+70.86

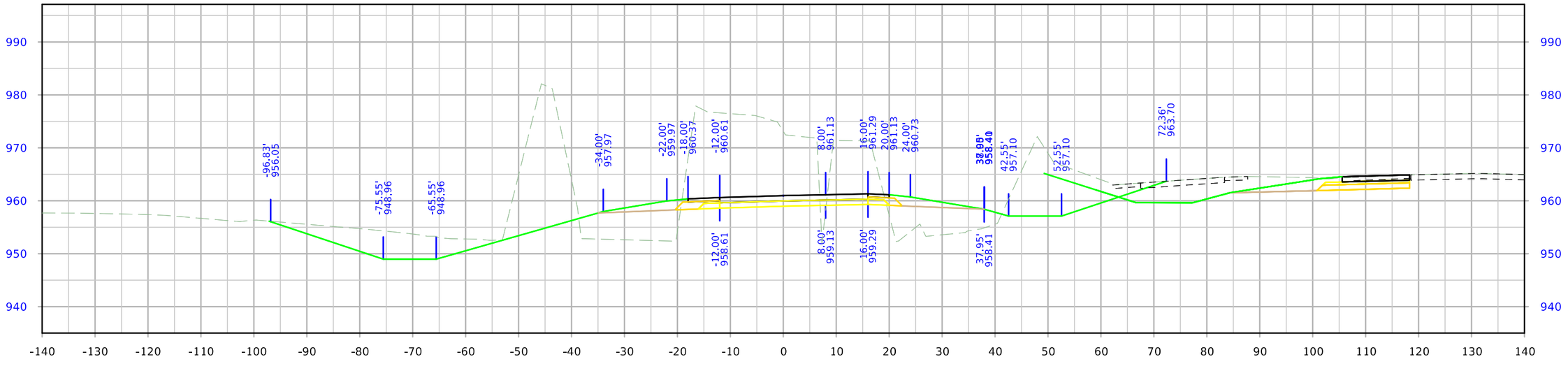
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.156

5:04:12 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y07_77035455_Z08.dgn

University Avenue Ramp C



STA. 3341+50.00

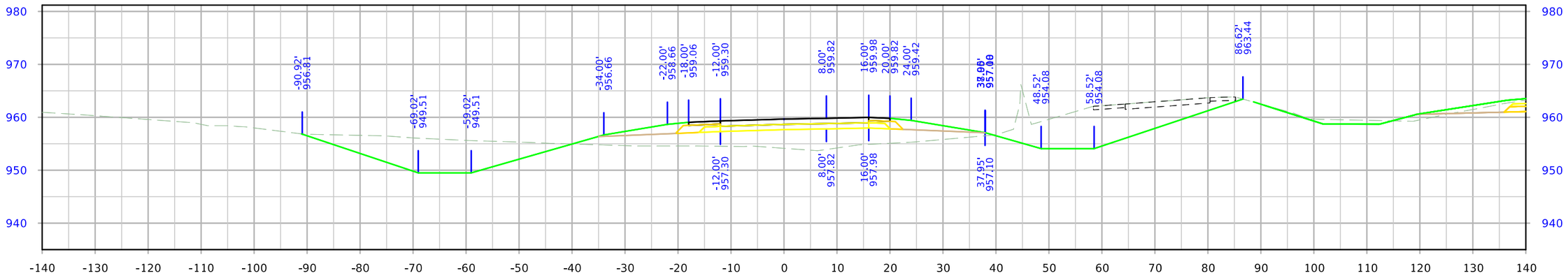


STA. 3341+10.86

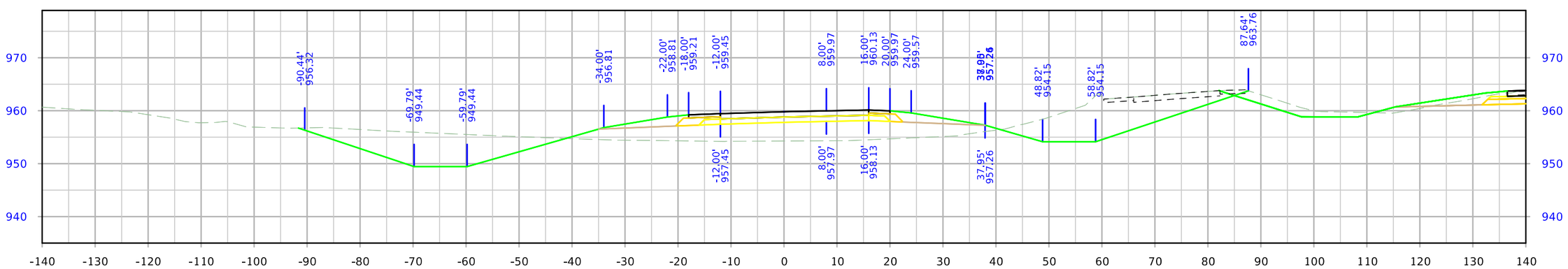
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.157

5:04:15 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y07_77035455_Z08.dgn

University Avenue Ramp C



STA. 3342+12.01

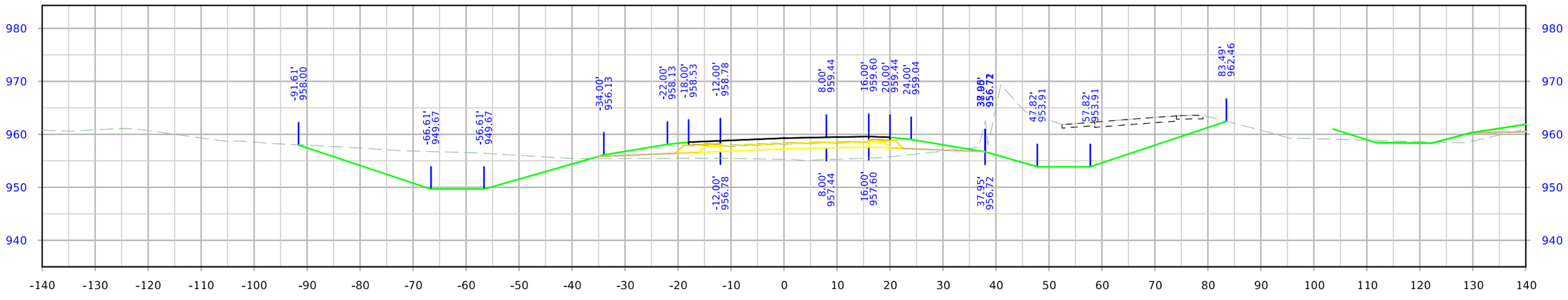


STA. 3342+00.00

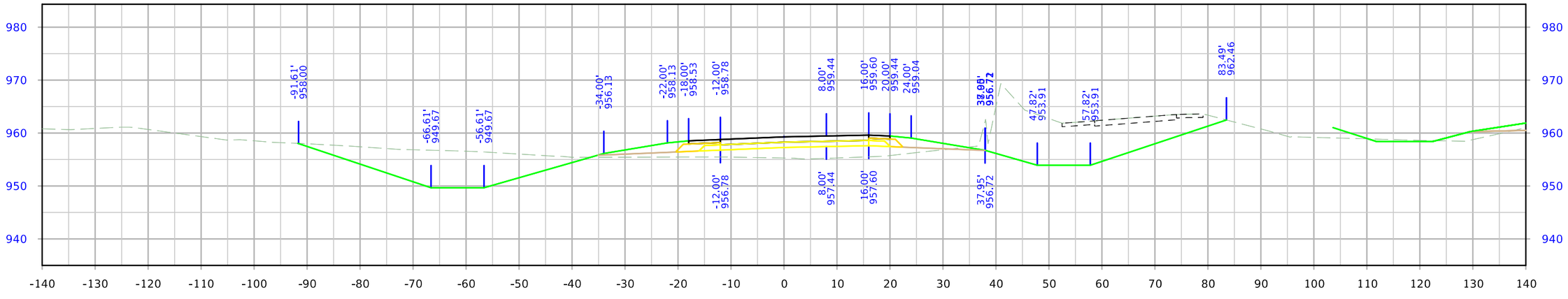
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.158

5:04:18 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y07_77035455_Z08.dgn

University Avenue Ramp C



STA. 3342+40.81

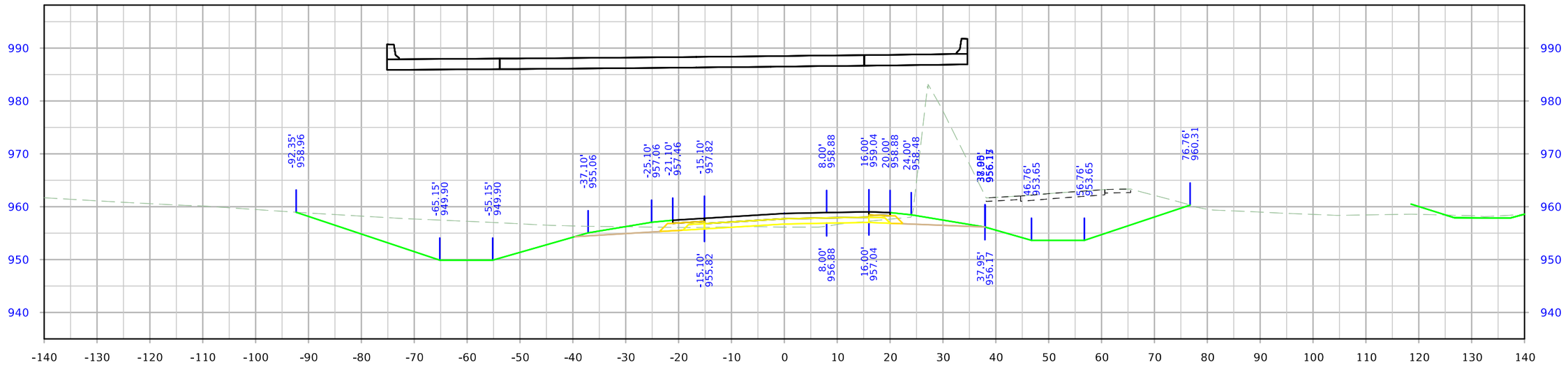


STA. 3342+40.81

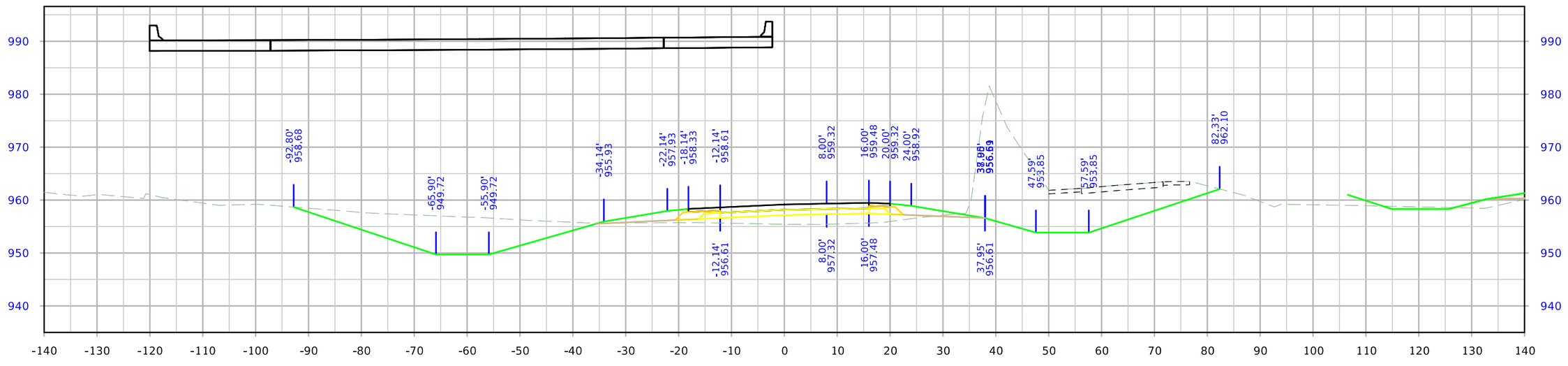
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.159

5:04:20 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y07_77035455_Z08.dgn

University Avenue Ramp C



STA. 3342+83.85

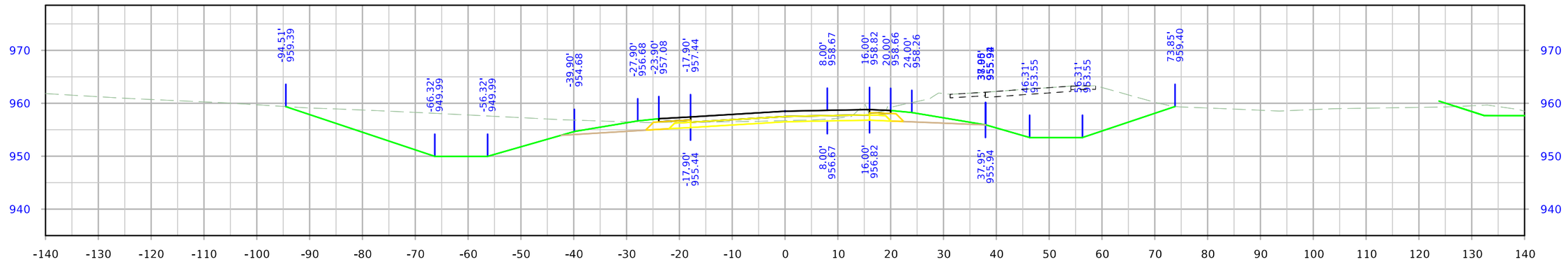


STA. 3342+50.00

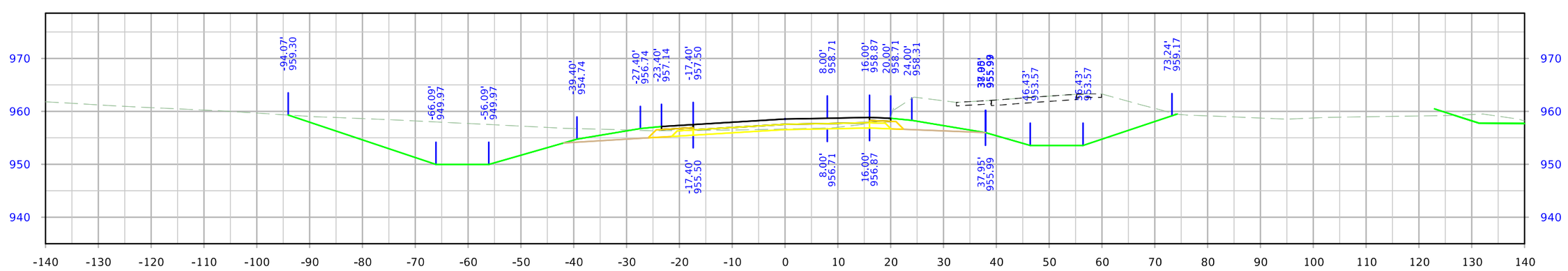
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.160

5:04:23 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y07_77035455_Z08.dgn

University Avenue Ramp C



STA. 3343+00.00

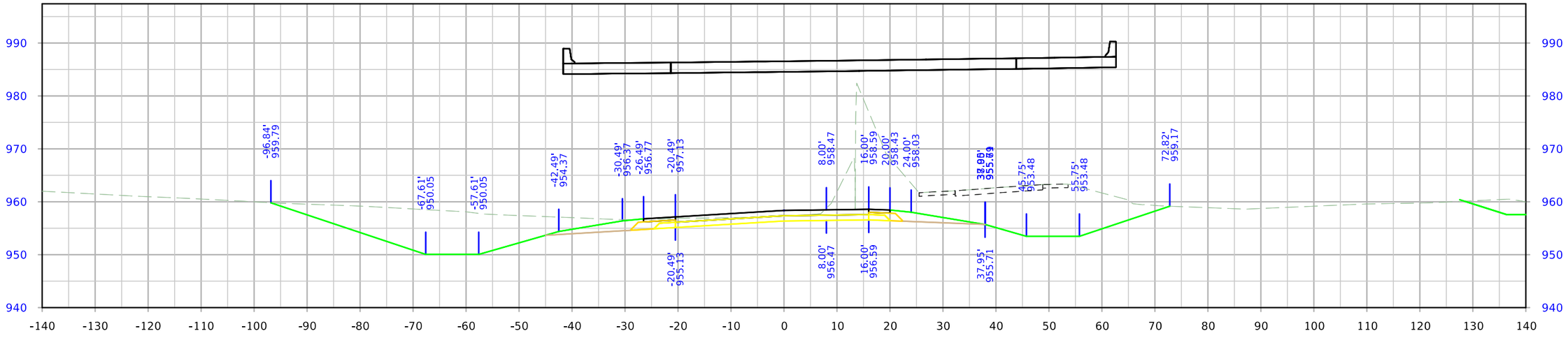


STA. 3342+97.46

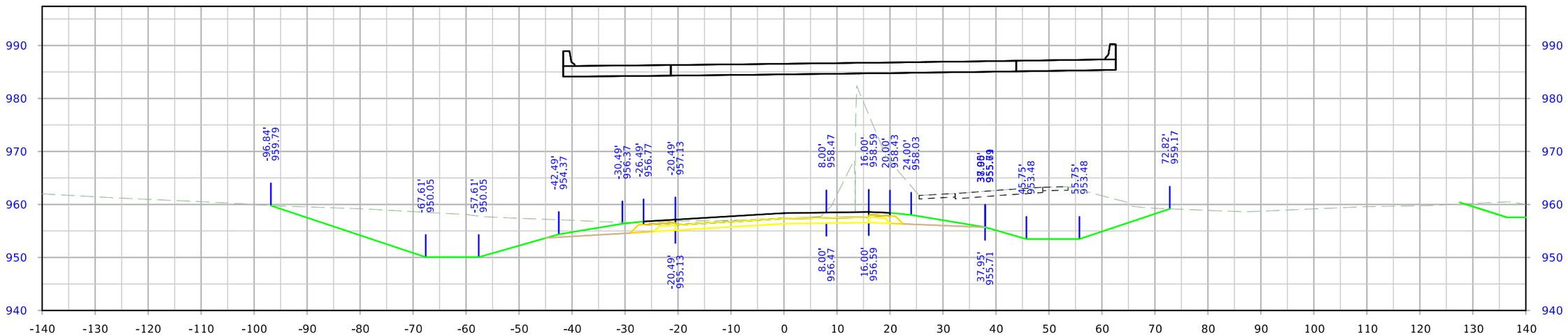
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.161

5:04:26 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y07_77035455_Z08.dgn

University Avenue Ramp C



STA. 3343+11.69

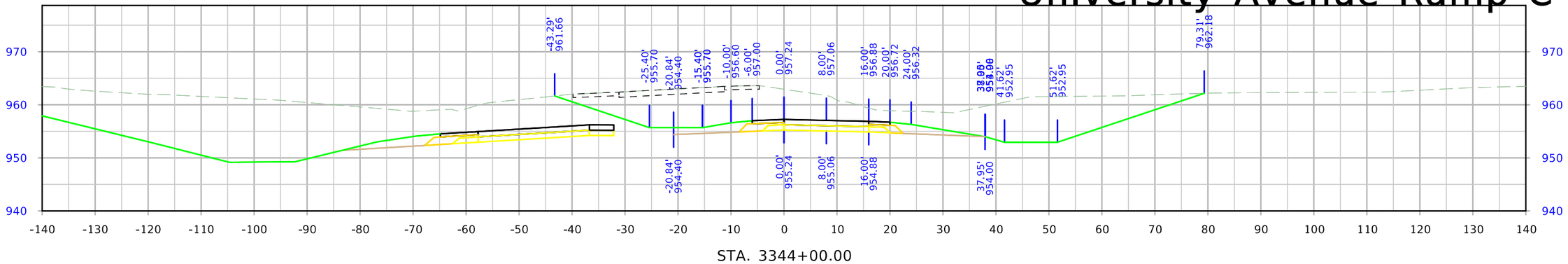


STA. 3343+11.69

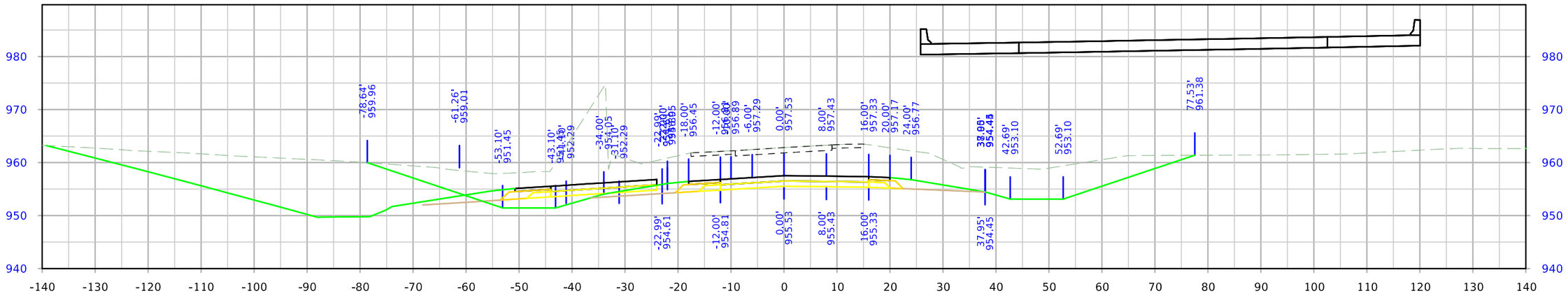
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.162

5:04:29 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y07_77035455_Z08.dgn

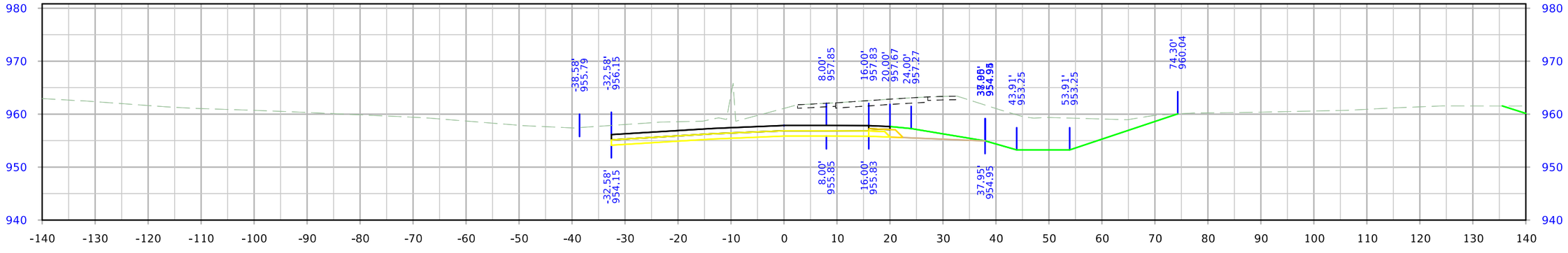
University Avenue Ramp C



STA. 3344+00.00



STA. 3343+75.64

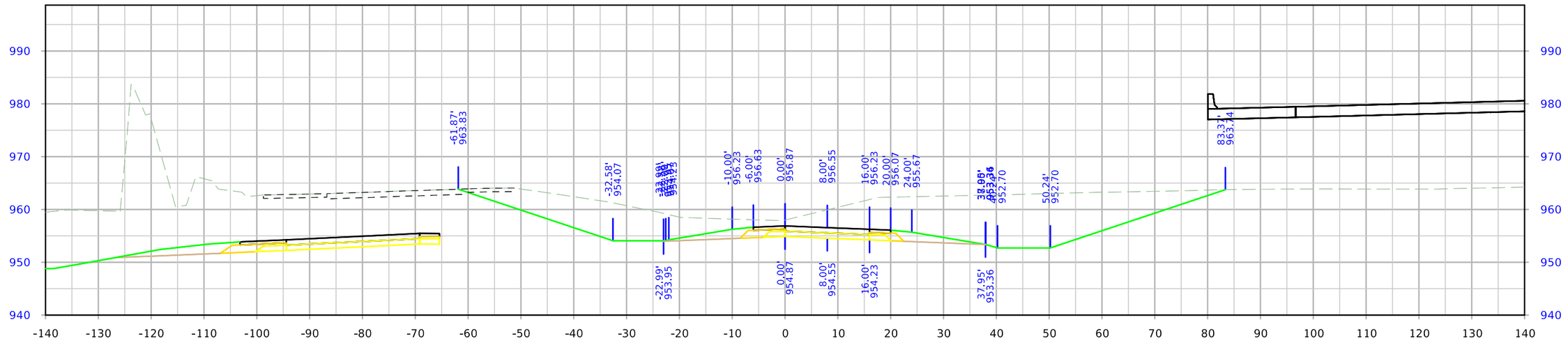


STA. 3343+50.00

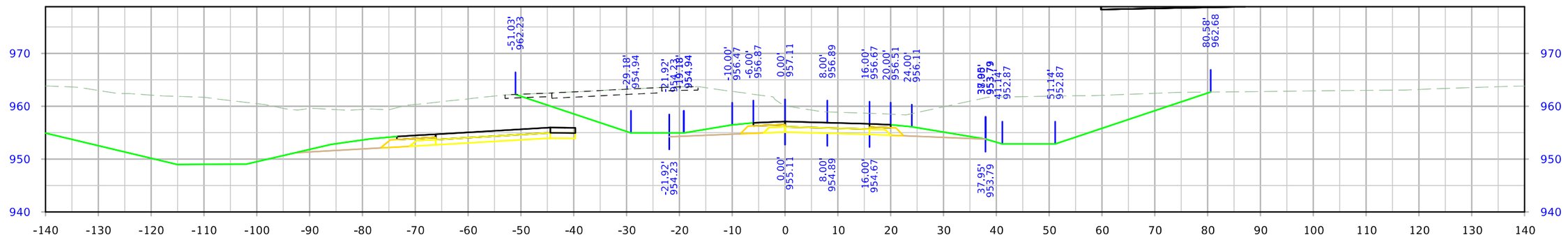
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.163	

5:04:32 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y07_77035455_Z08.dgn

University Avenue Ramp C



STA. 3344+41.46

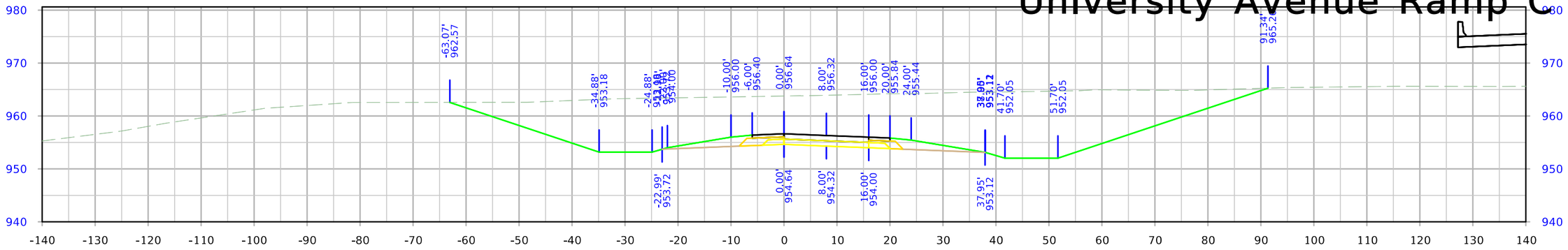


STA. 3344+12.66

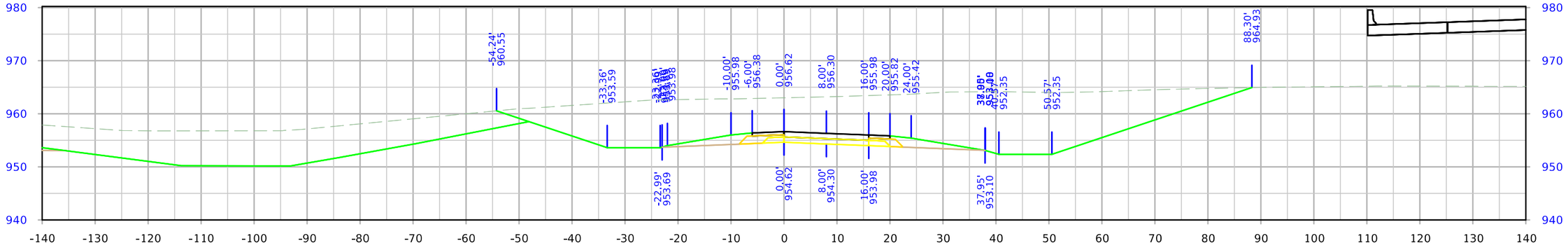
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.164

5:04:35 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y07_77035455_Z08.dgn

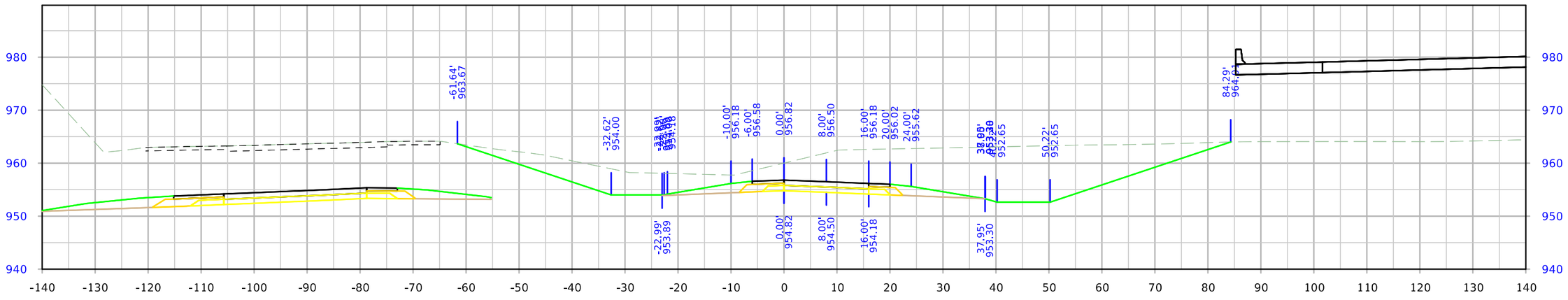
University Avenue Ramp C



STA. 3345+50.00



STA. 3345+00.00

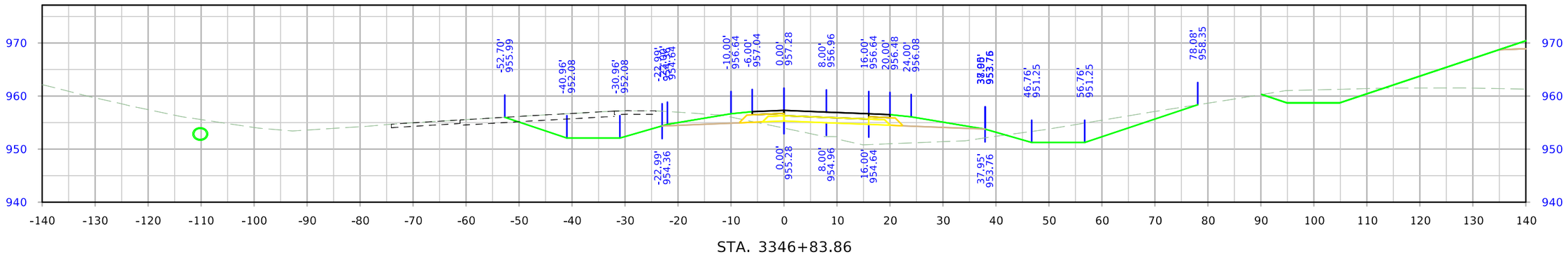


STA. 3344+50.00

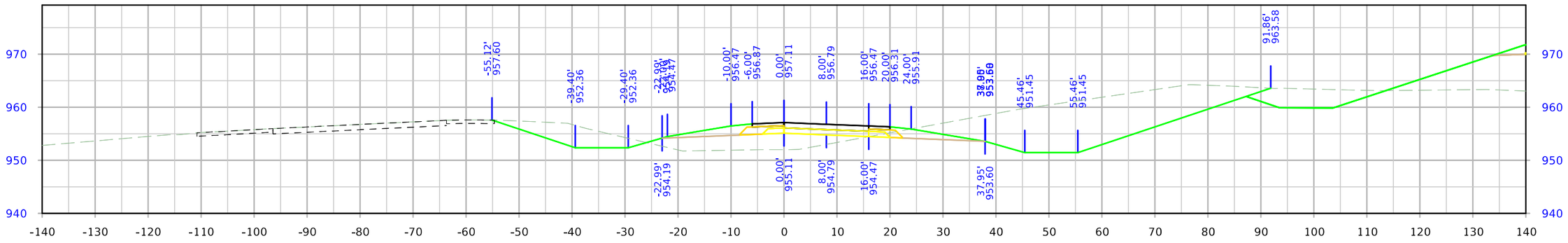
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.165

5:04:39 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y07_77035455_Z08.dgn

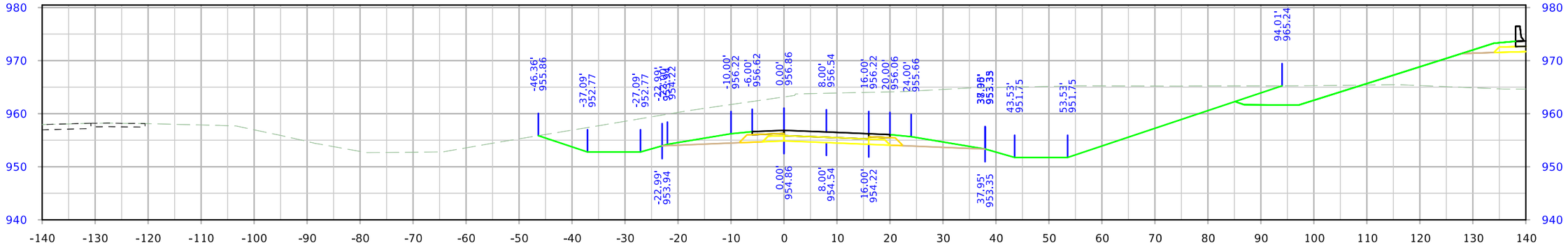
University Avenue Ramp C



STA. 3346+83.86



STA. 3346+50.00

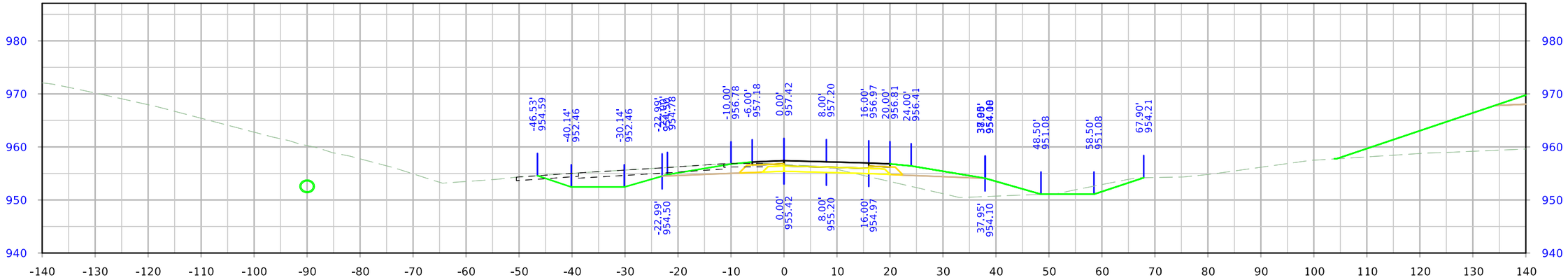


STA. 3346+00.00

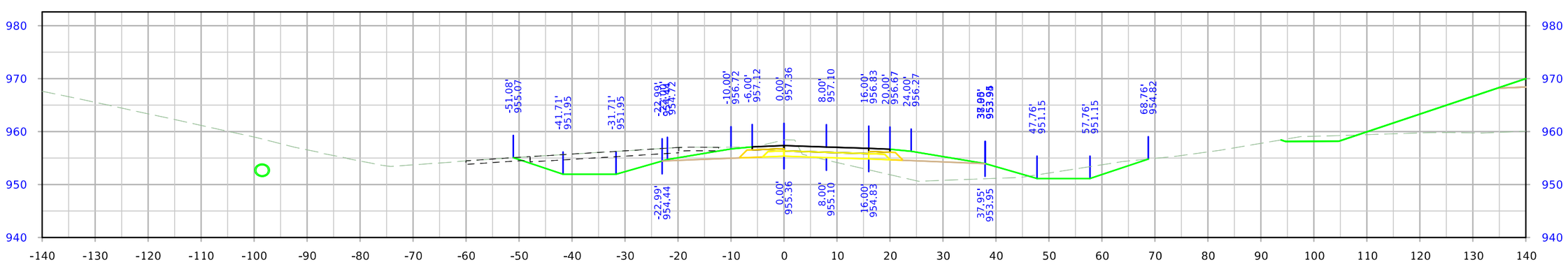
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.166

5:04:42 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y07_77035455_Z08.dgn

University Avenue Ramp C



STA. 3347+12.66

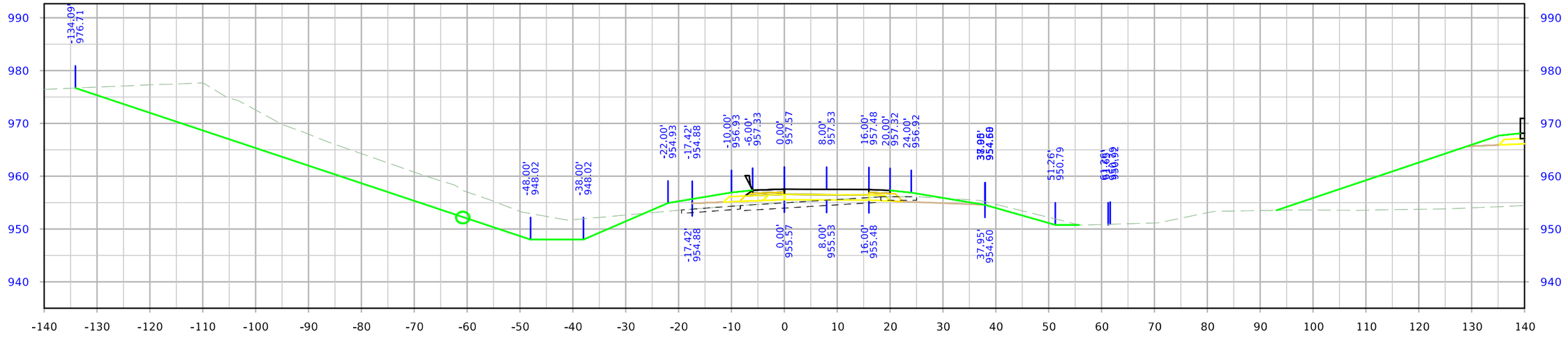


STA. 3347+00.00

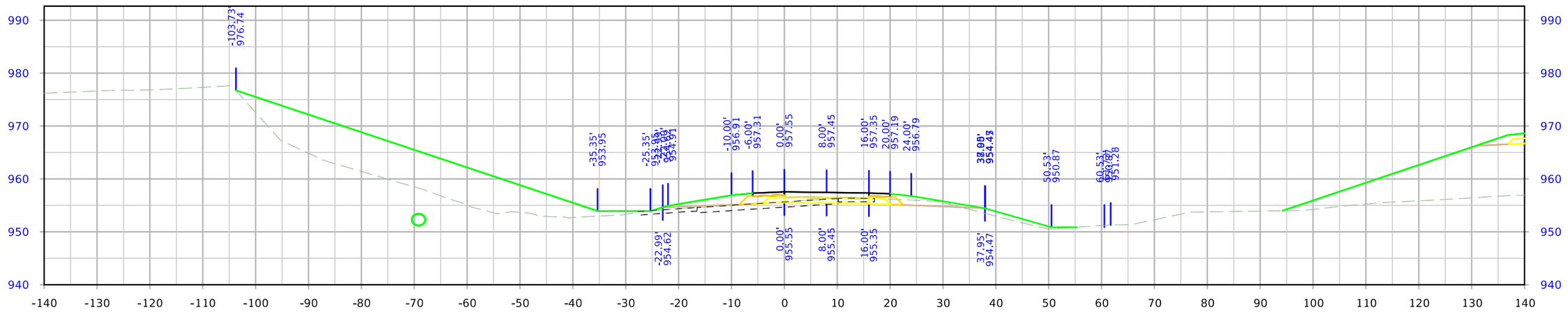
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.167	

5:04:45 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y07_77035455_Z08.dgn

University Avenue Ramp C



STA. 3347+65.00

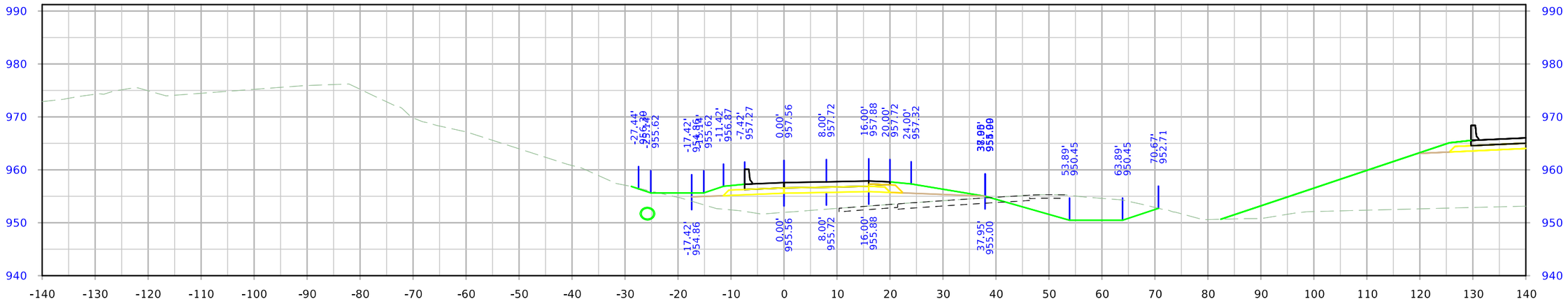


STA. 3347+50.00

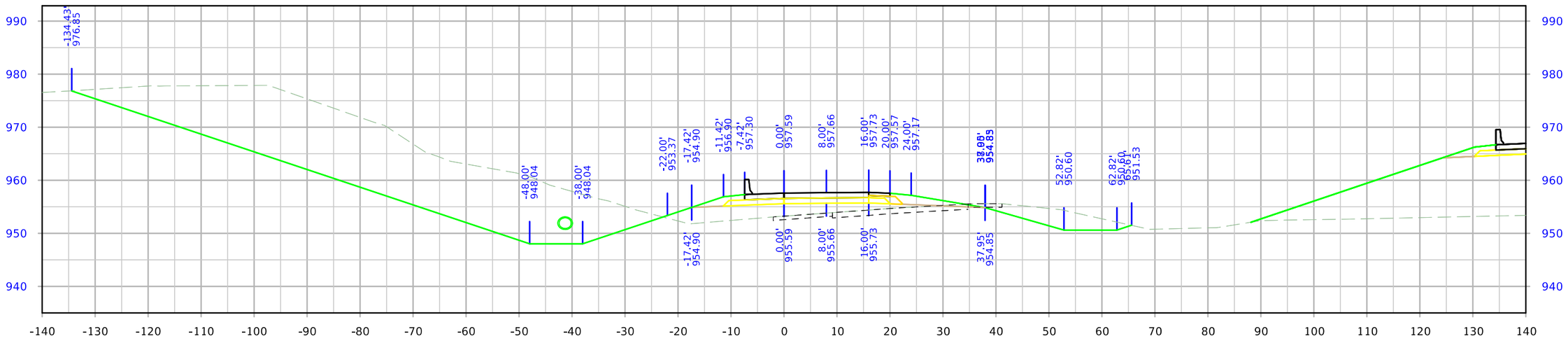
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.168

5:04:49 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y07_77035455_Z08.dgn

University Avenue Ramp C



STA. 3348+27.86

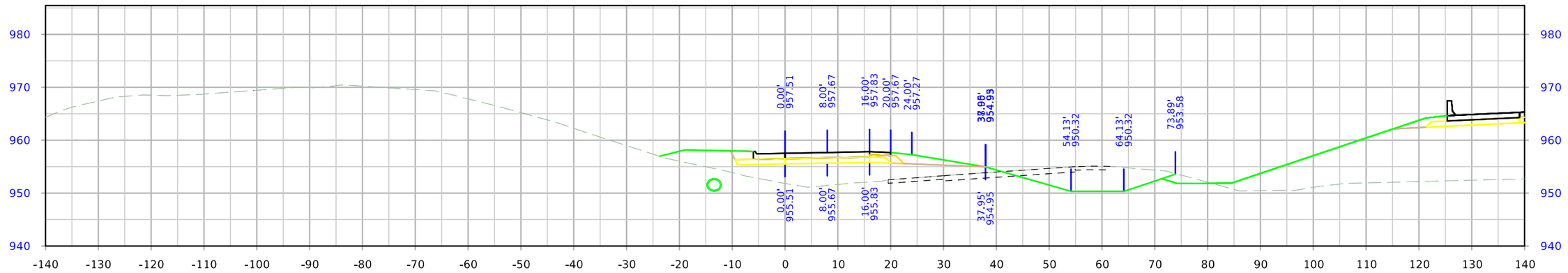


STA. 3348+00.00

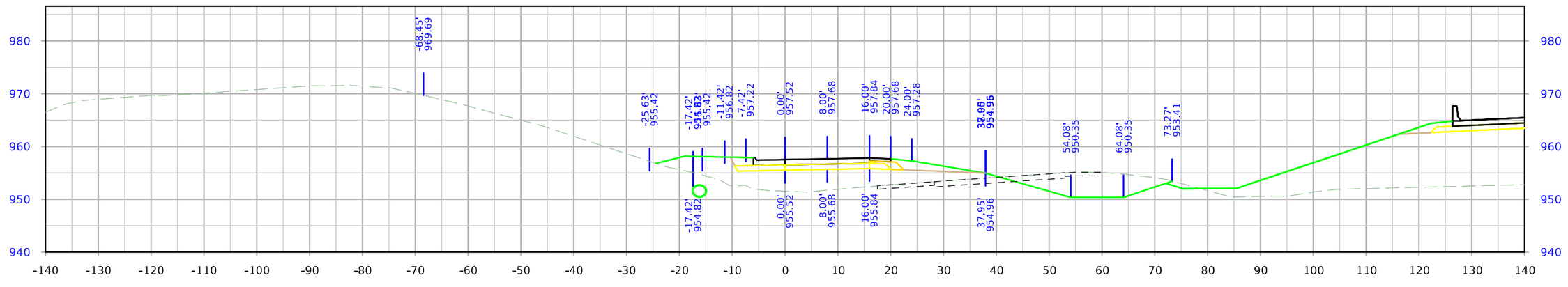
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.169

5:04:52 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y07_77035455_Z08.dgn

University Avenue Ramp C



STA. 3348+50.00

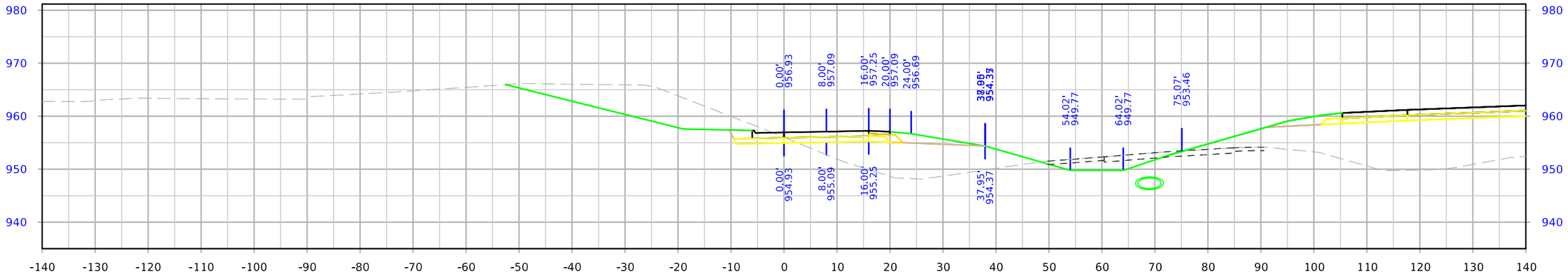


STA. 3348+45.00

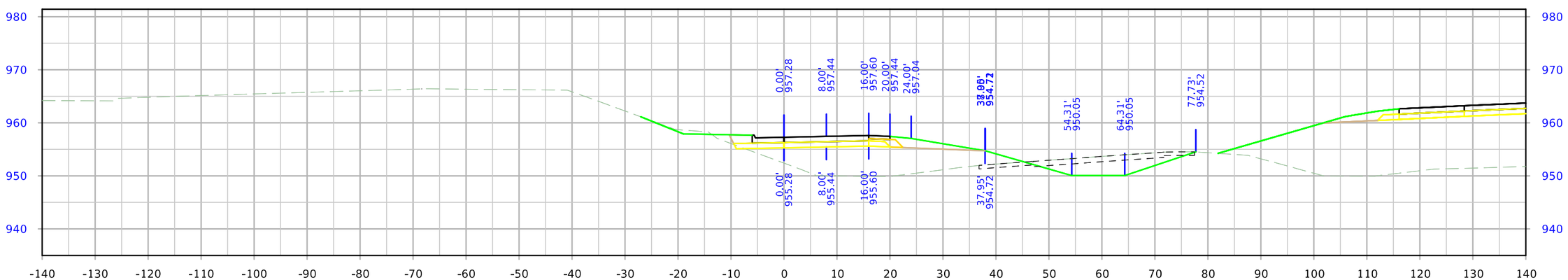
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.170

5:04:55 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y07_77035455_Z08.dgn

University Avenue Ramp C



STA. 3349+50.00

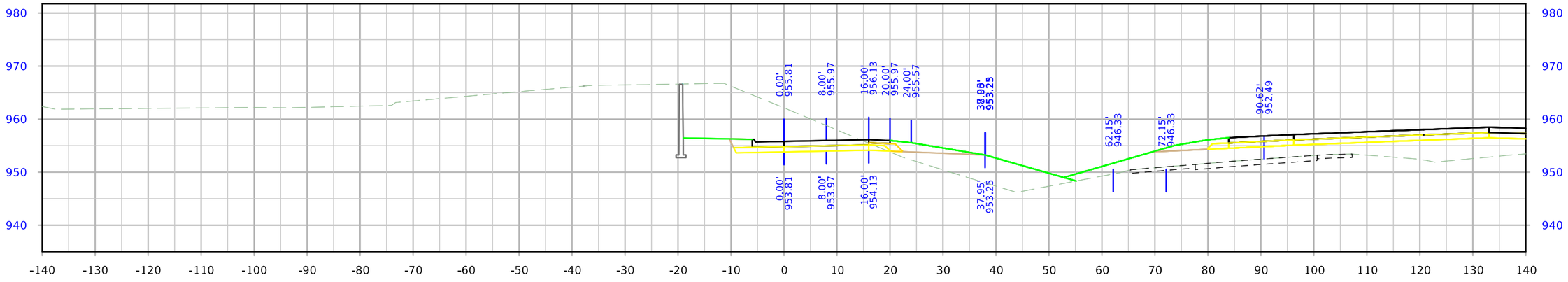


STA. 3349+00.00

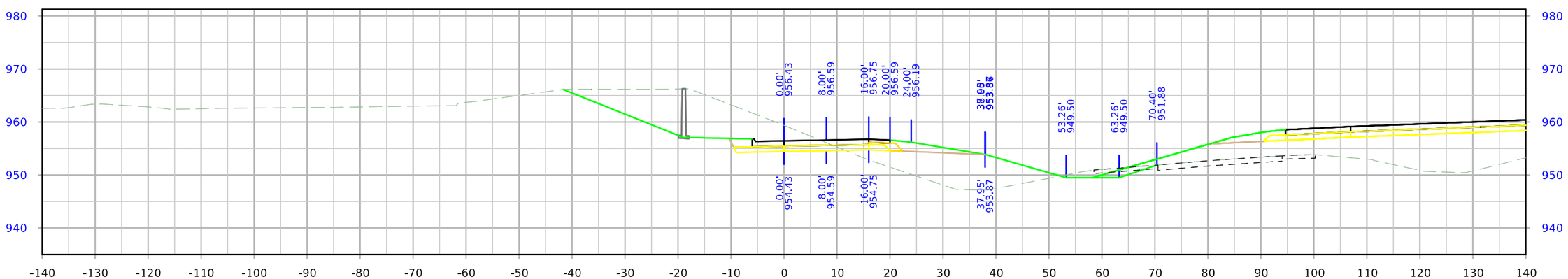
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.171

5:04:58 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y07_77035455_Z08.dgn

University Avenue Ramp C



STA. 3350+50.00

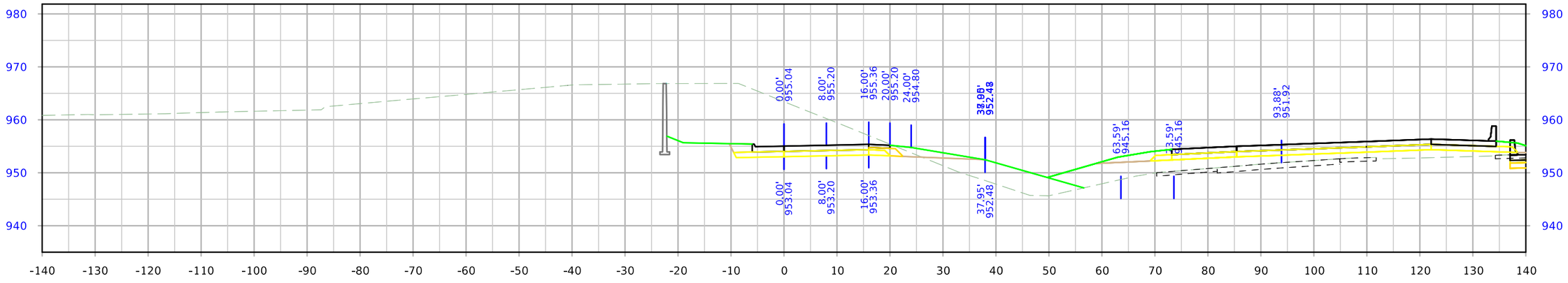


STA. 3350+00.00

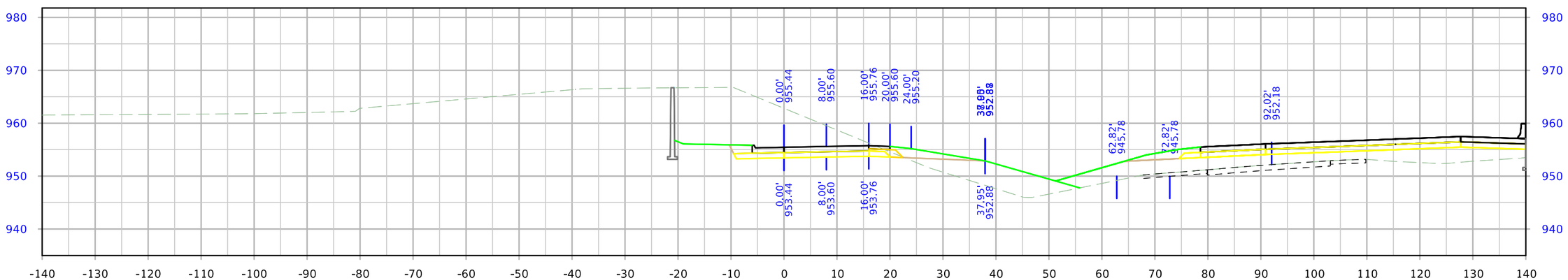
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.172

5:05:01 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y07_77035455_Z08.dgn

University Avenue Ramp C



STA. 3351+00.00

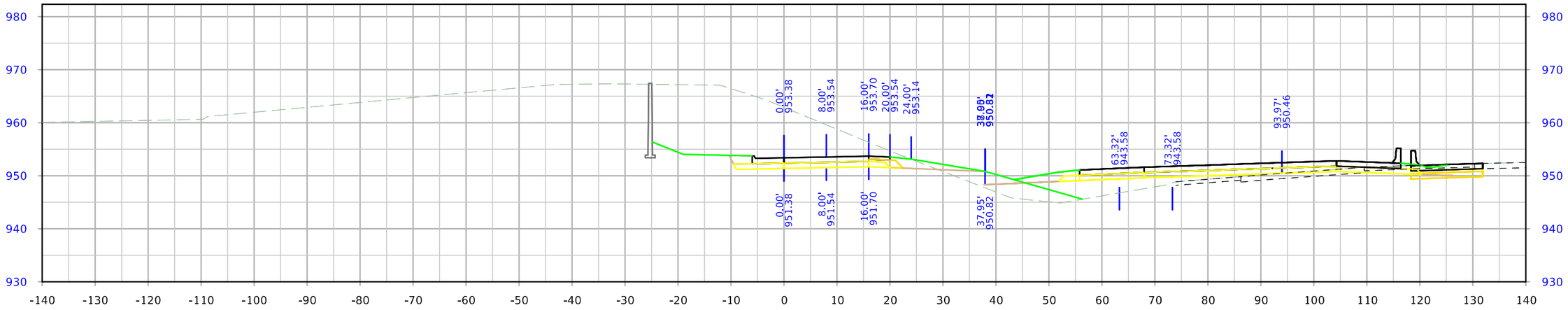


STA. 3350+74.85

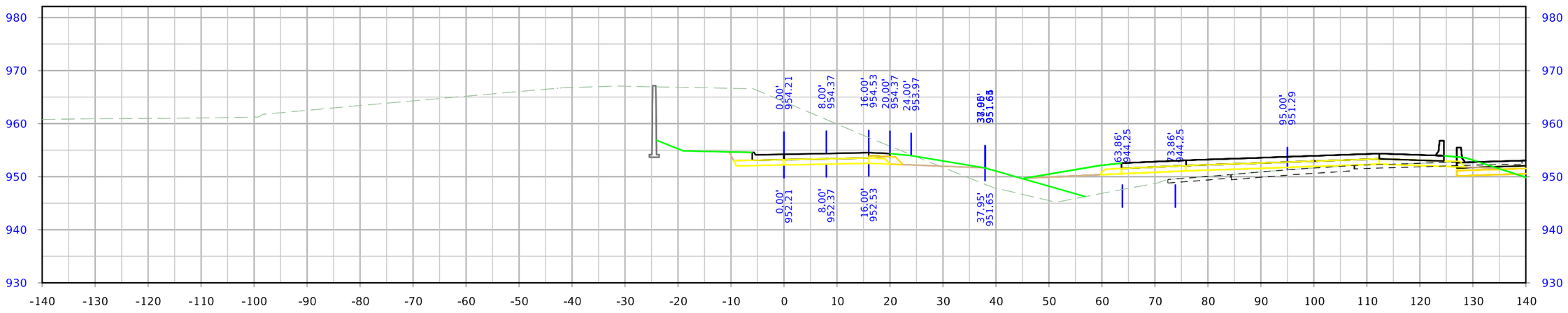
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.173

5:05:04 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y07_77035455_Z08.dgn

University Avenue Ramp C



STA. 3352+00.00

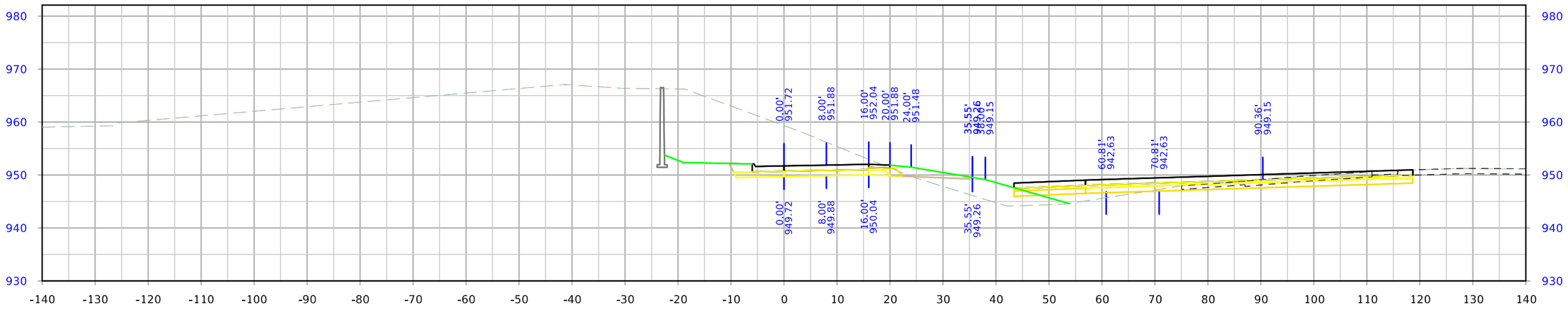


STA. 3351+50.00

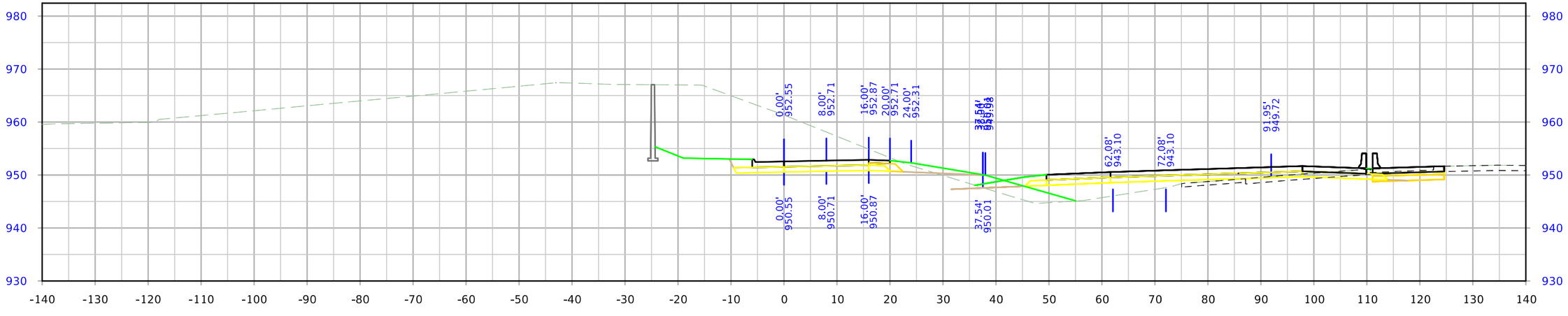
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.174

5:05:07 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y07_77035455_Z08.dgn

University Avenue Ramp C



STA. 3353+00.00

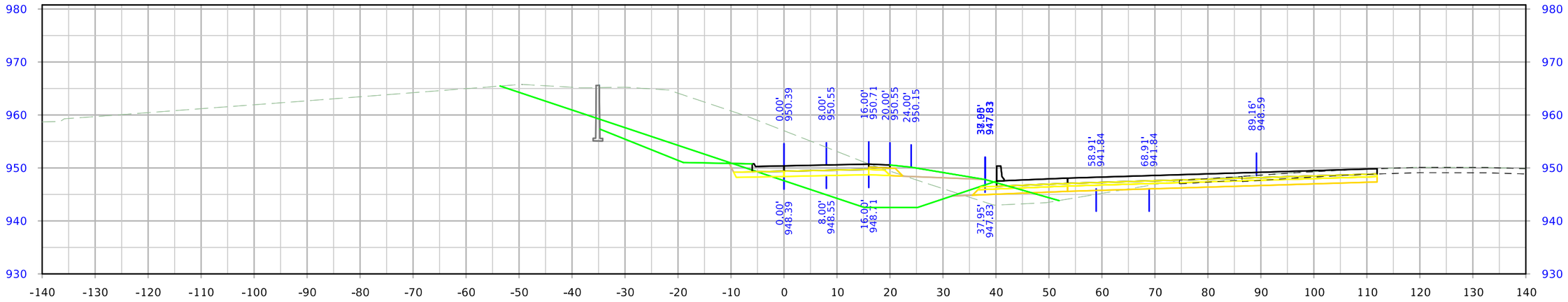


STA. 3352+50.00

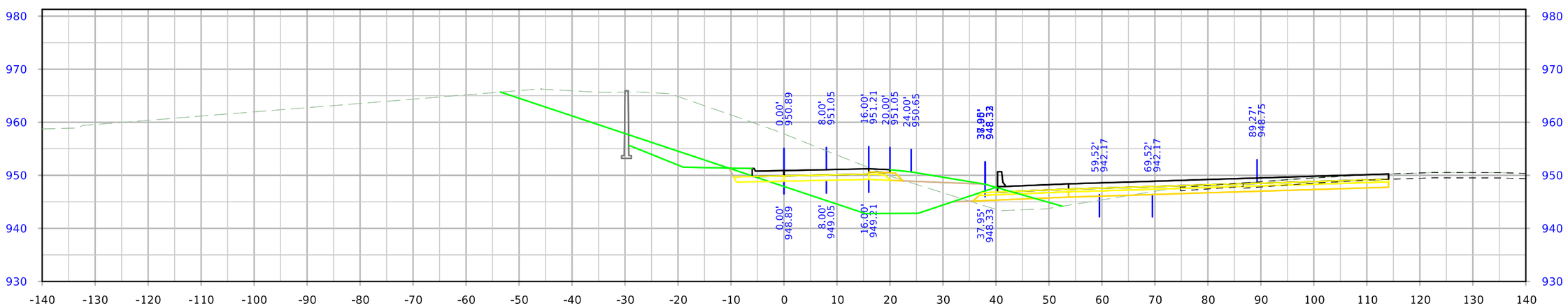
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.175

5:05:10 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y07_77035455_Z08.dgn

University Avenue Ramp C



STA. 3353+80.38

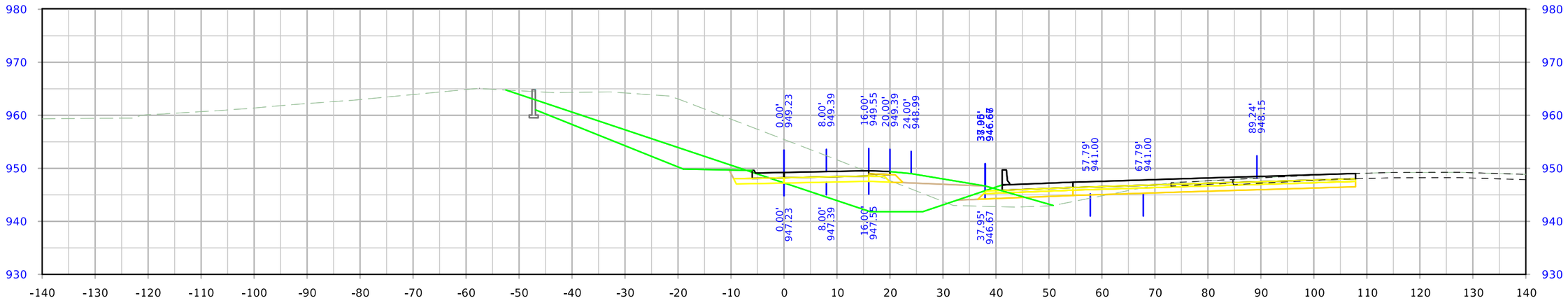


STA. 3353+50.00

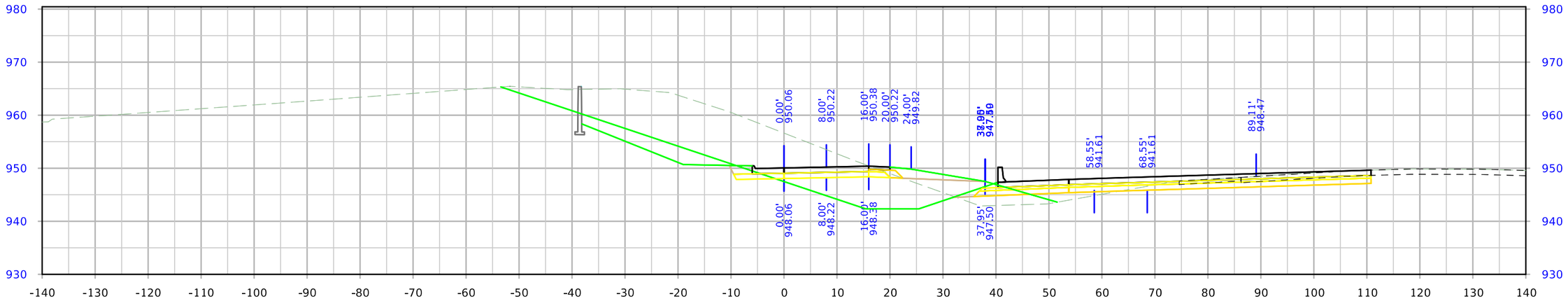
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.176

5:05:12 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y07_77035455_Z08.dgn

University Avenue Ramp C



STA. 3354+50.00

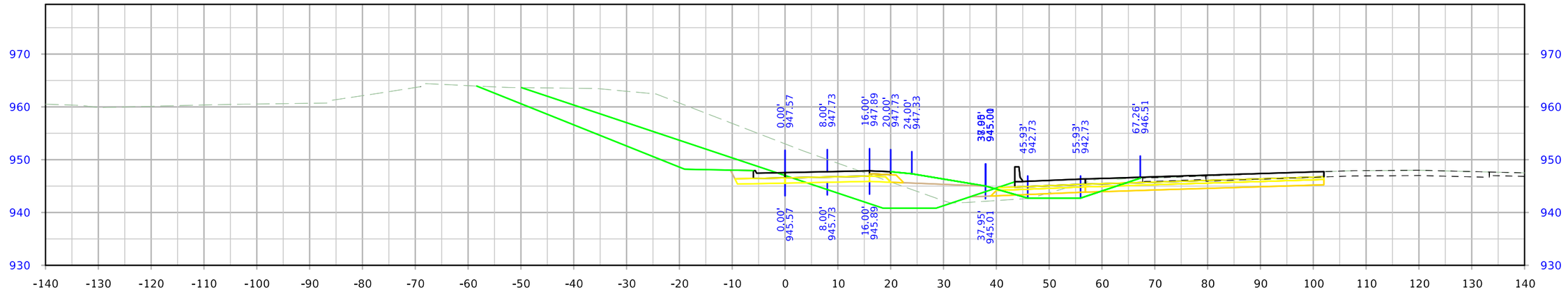


STA. 3354+00.00

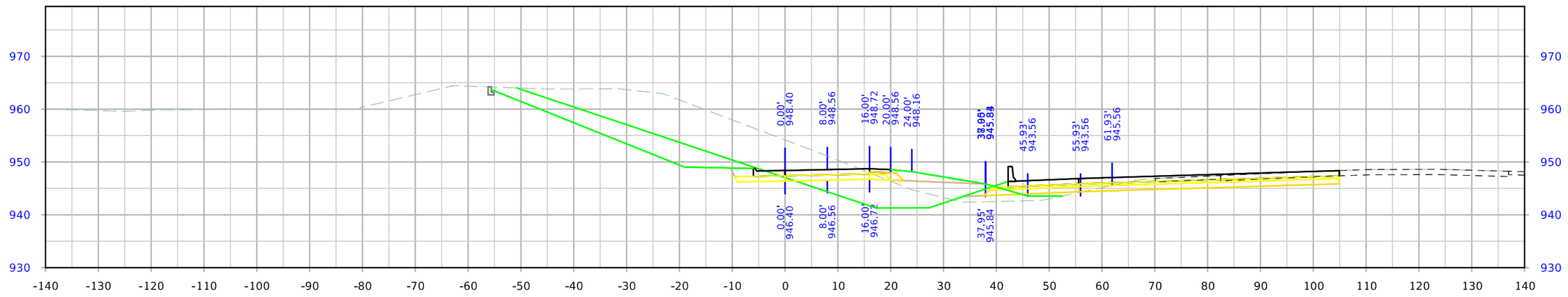
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.177

5:05:15 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y07_77035455_Z08.dgn

University Avenue Ramp C



STA. 3355+50.00

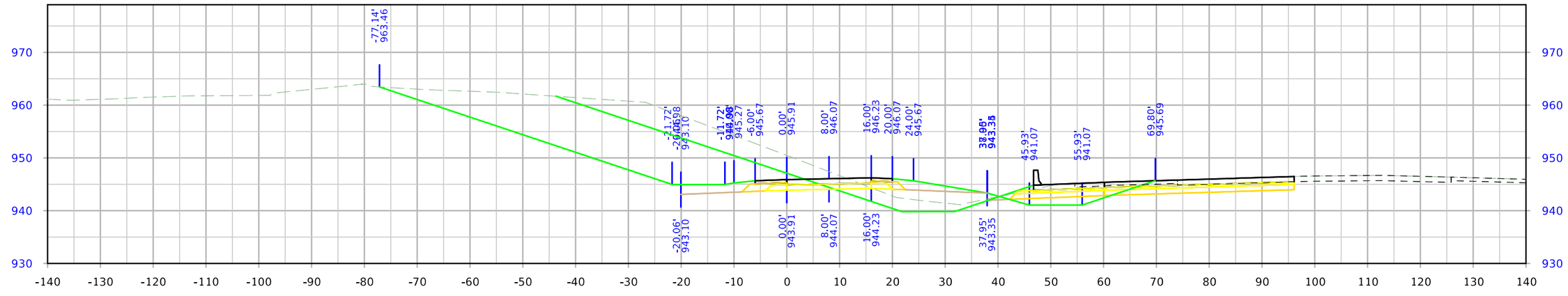


STA. 3355+00.00

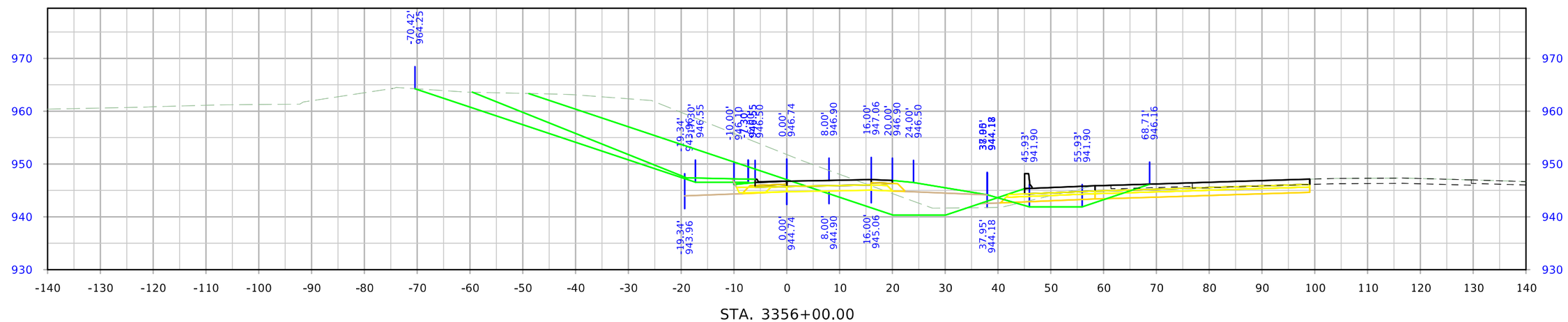
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.178

5:05:17 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y07_77035455_Z08.dgn

University Avenue Ramp C



STA. 3356+50.00

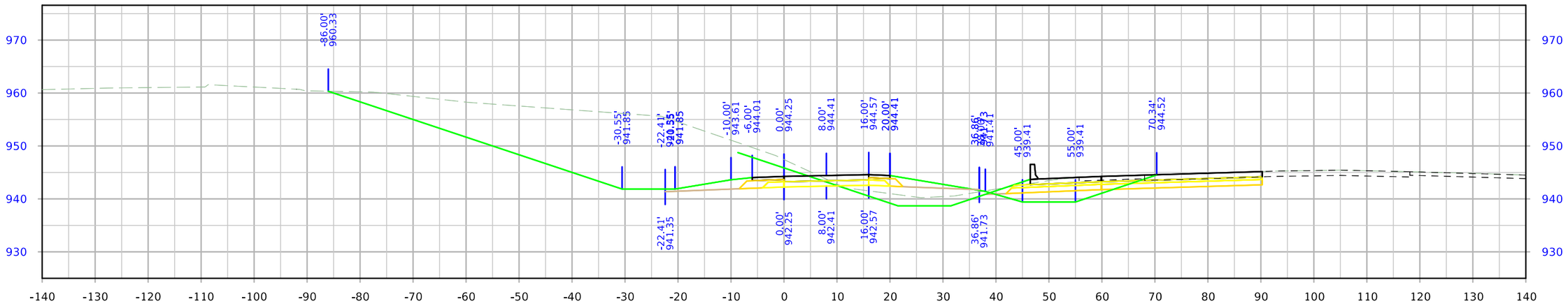


STA. 3356+00.00

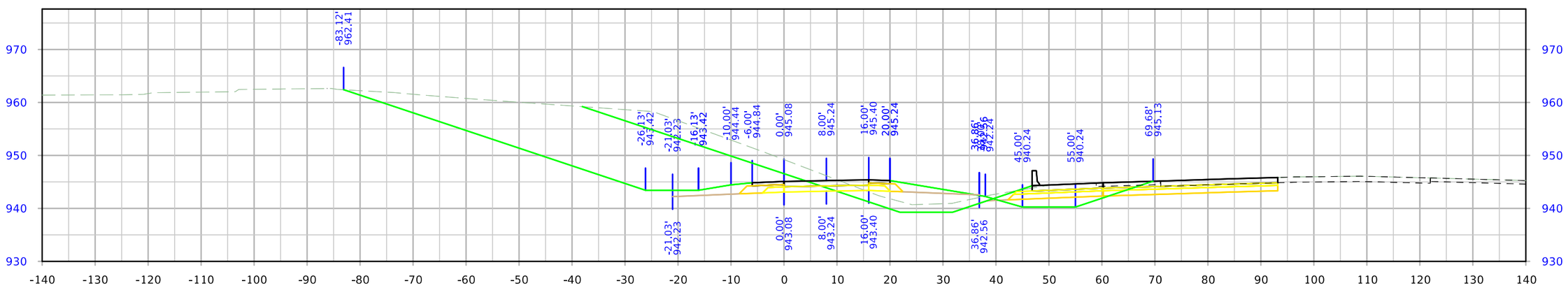
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.179

5:05:19 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y07_77035455_Z08.dgn

University Avenue Ramp C



STA. 3357+50.00

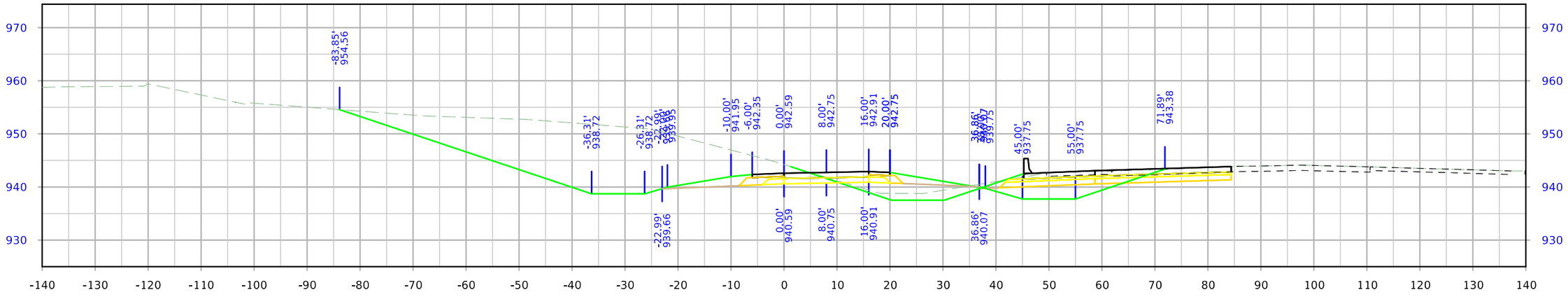


STA. 3357+00.00

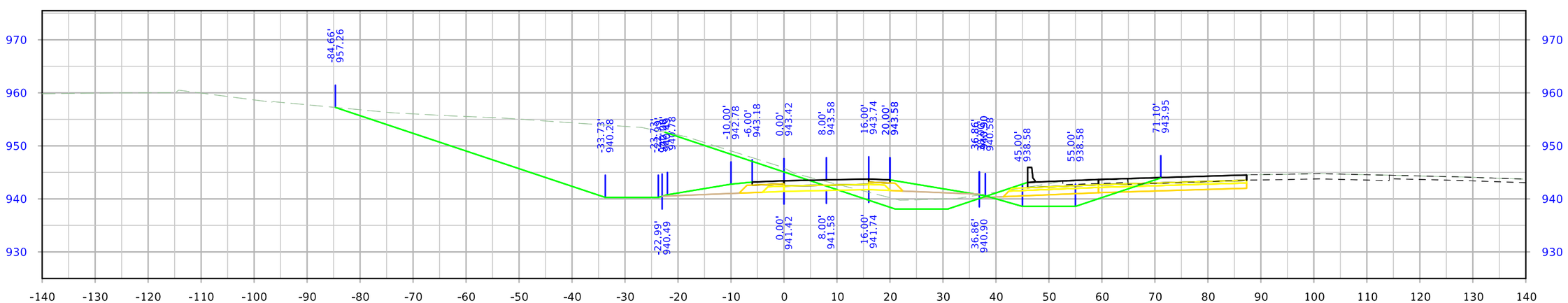
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.180

5:05:22 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y07_77035455_Z08.dgn

University Avenue Ramp C



STA. 3358+50.00

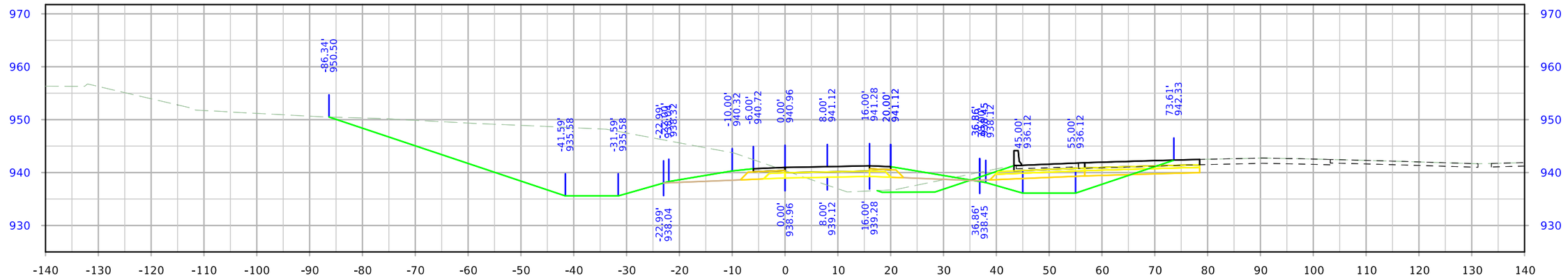


STA. 3358+00.00

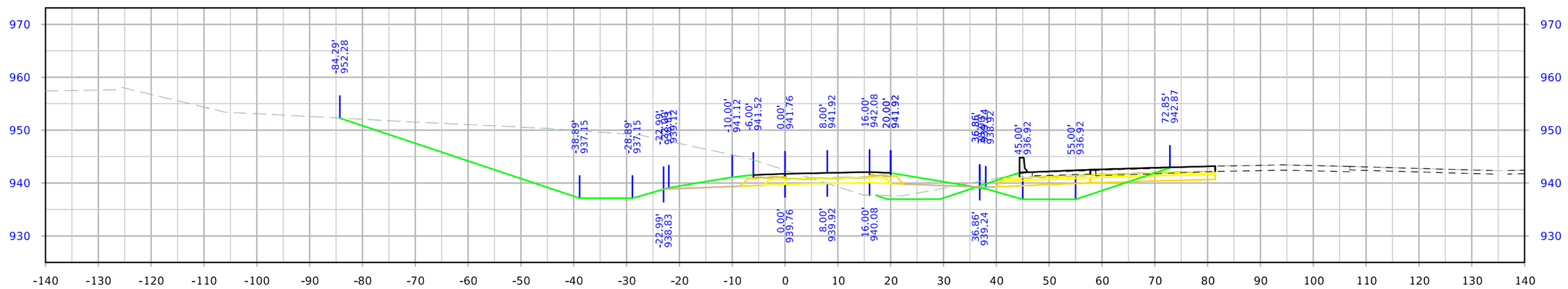
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.181

5:05:24 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y07_77035455_Z08.dgn

University Avenue Ramp C



STA. 3359+50.00

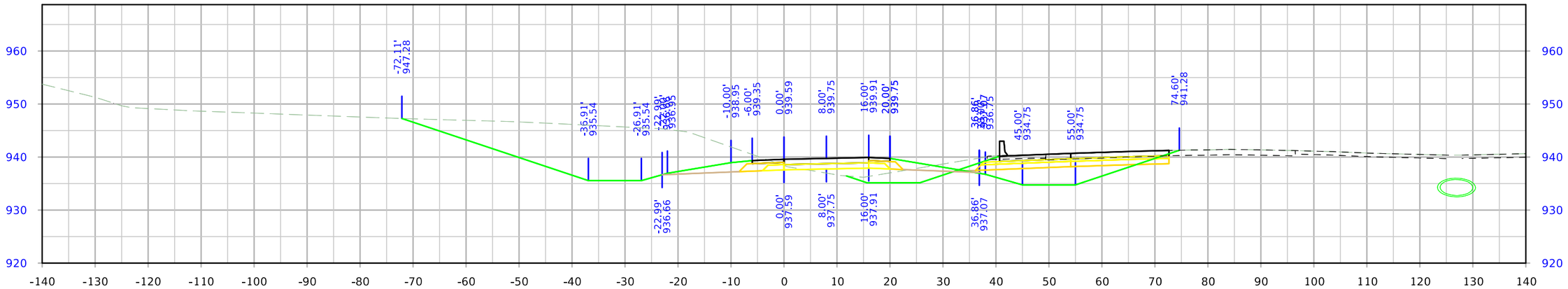


STA. 3359+00.00

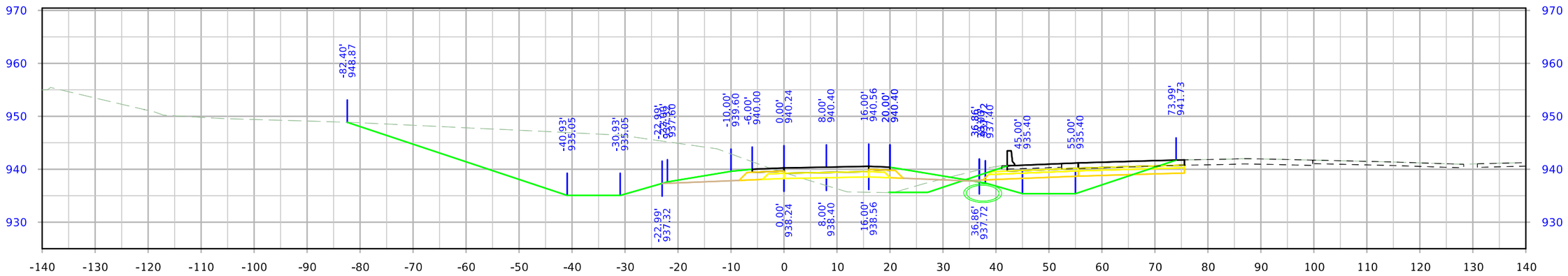
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.182	

5:05:26 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y07_77035455_Z08.dgn

University Avenue Ramp C



STA. 3360+50.00

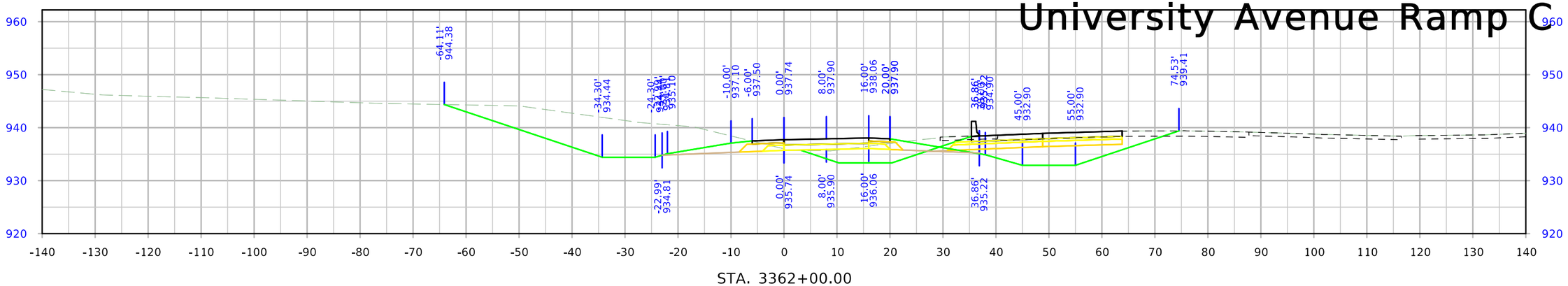


STA. 3360+00.00

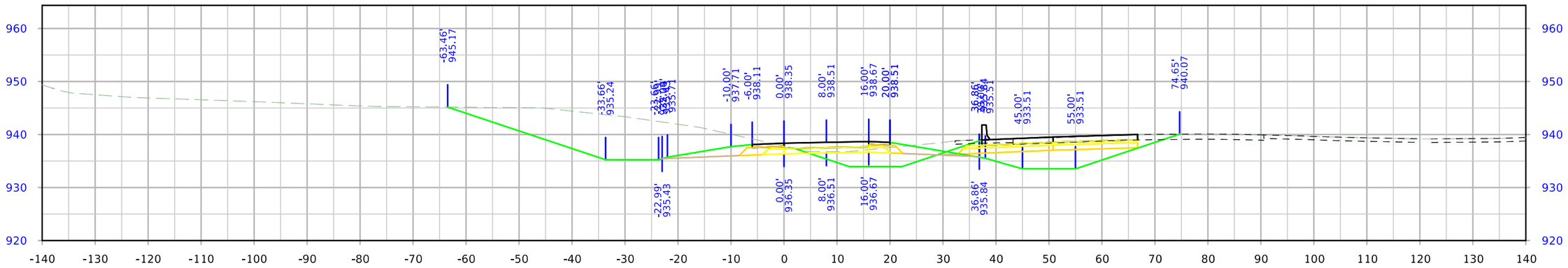
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.183	

5:05:28 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y07_77035455_Z08.dgn

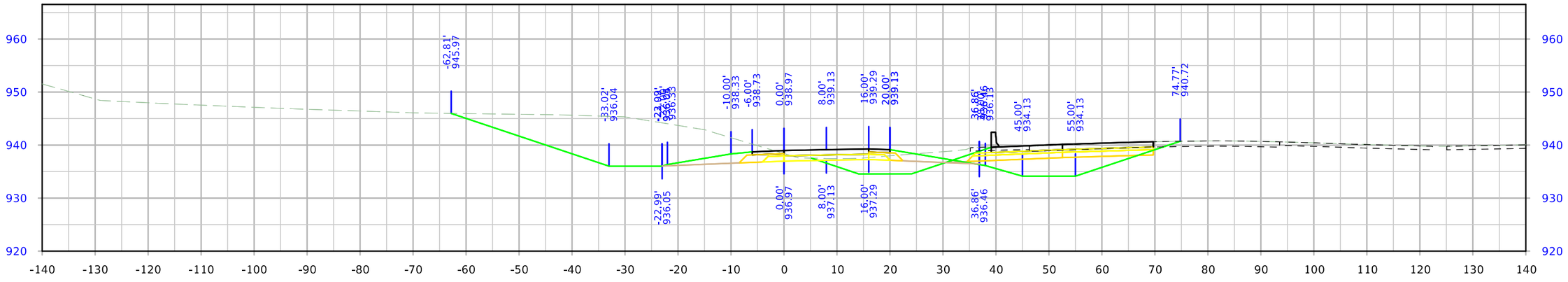
University Avenue Ramp C



STA. 3362+00.00



STA. 3361+50.00



STA. 3361+00.00

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.184

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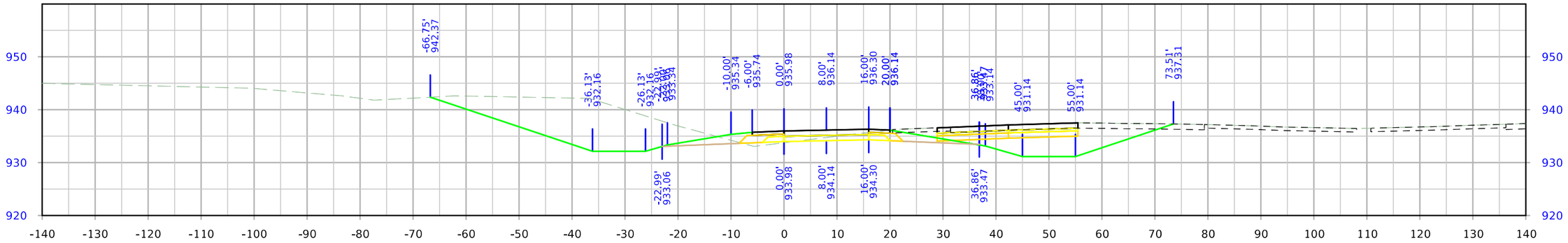
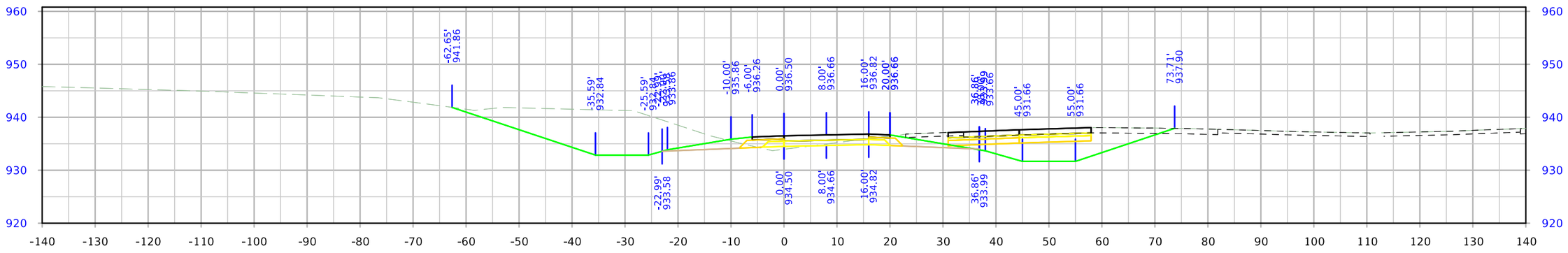
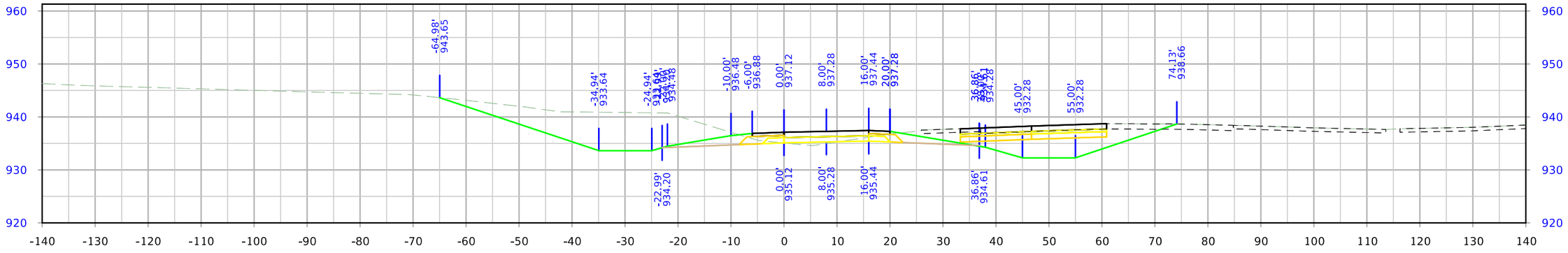
University Avenue Ramp C



STA. 3363+42.15



STA. 3363+00.00

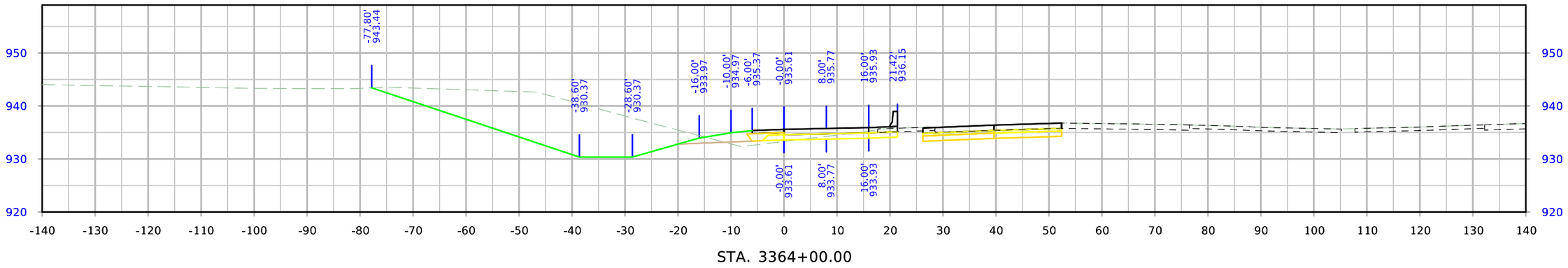


STA. 3362+50.00

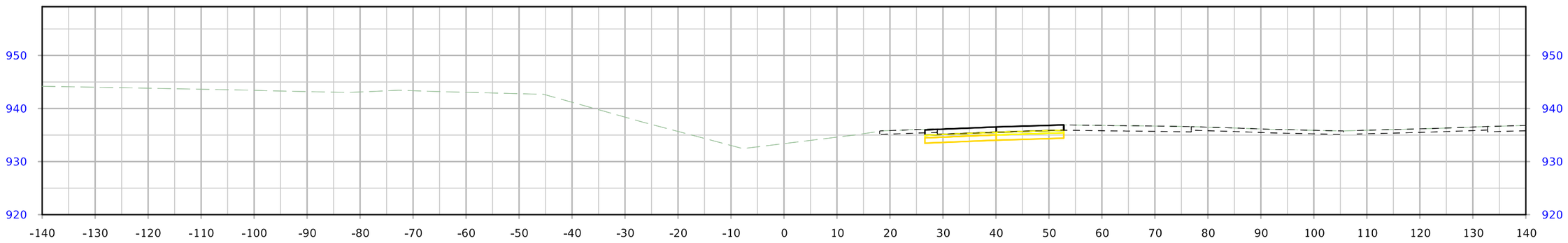
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.185

5:05:35 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y07_77035455_Z08.dgn

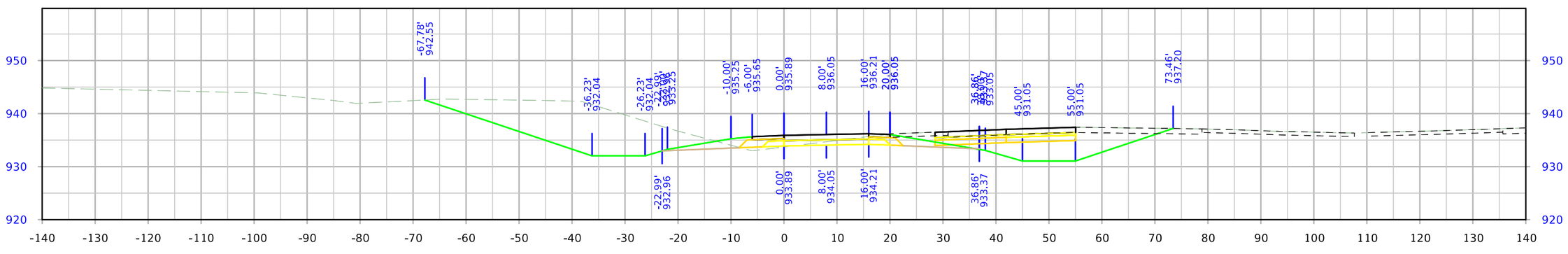
University Avenue Ramp C



STA. 3364+00.00



STA. 3363+91.17

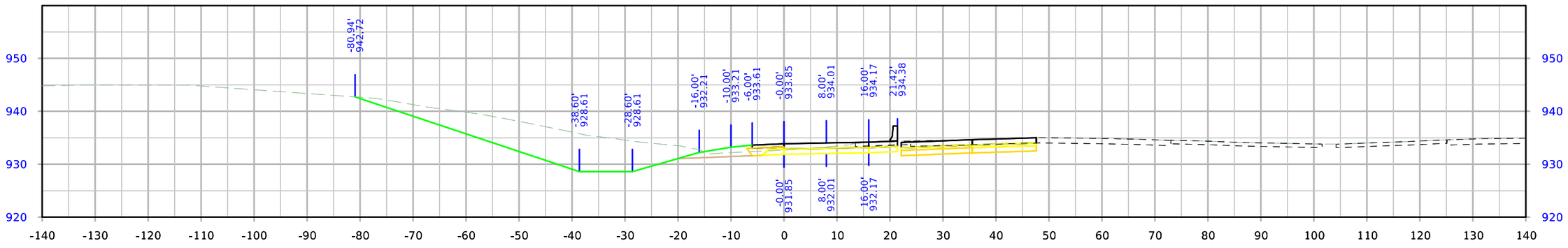


STA. 3363+50.00

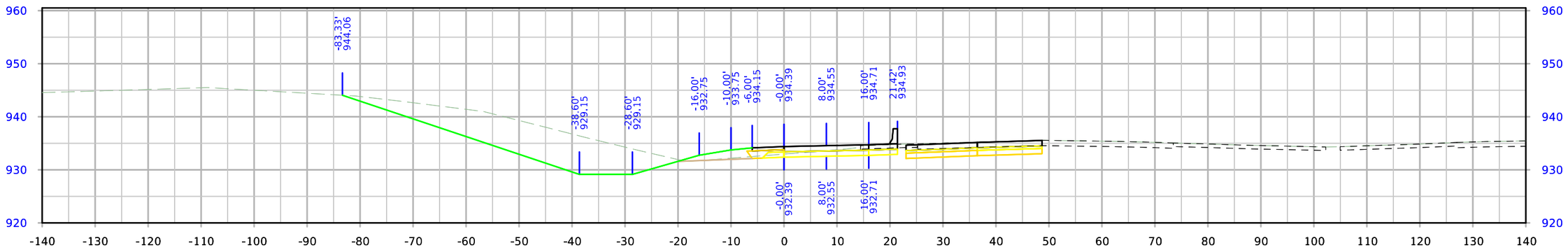
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.186

5:05:38 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y07_77035455_Z08.dgn

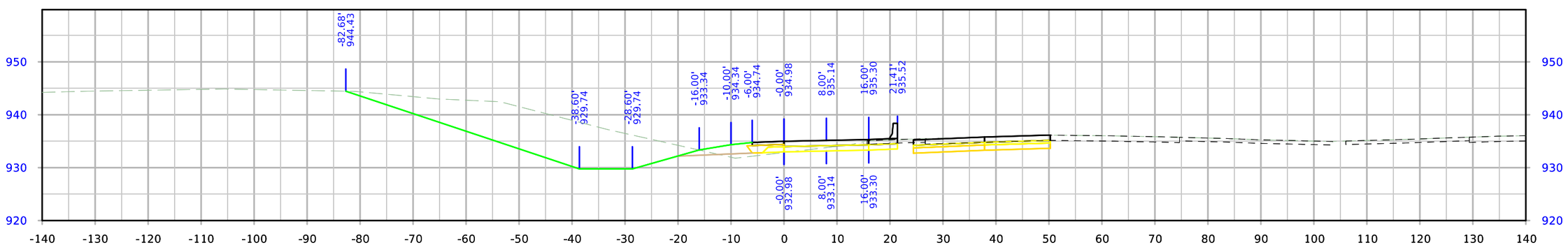
University Avenue Ramp C



STA. 3365+50.00



STA. 3365+00.00

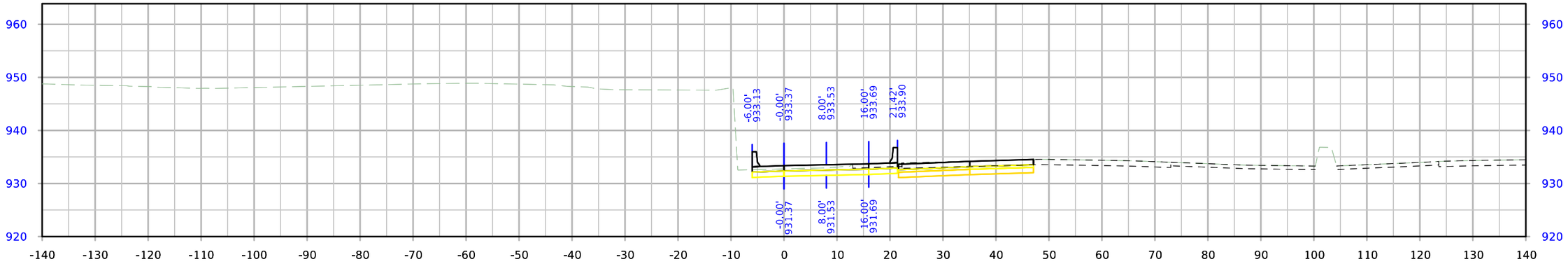


STA. 3364+50.00

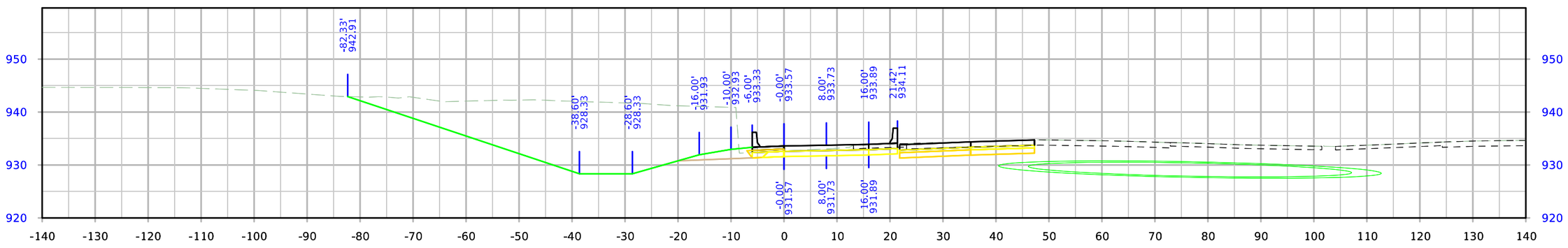
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.187

5:05:42 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y07_77035455_Z08.dgn

University Avenue Ramp C



STA. 3366+00.00



STA. 3365+75.58

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.188

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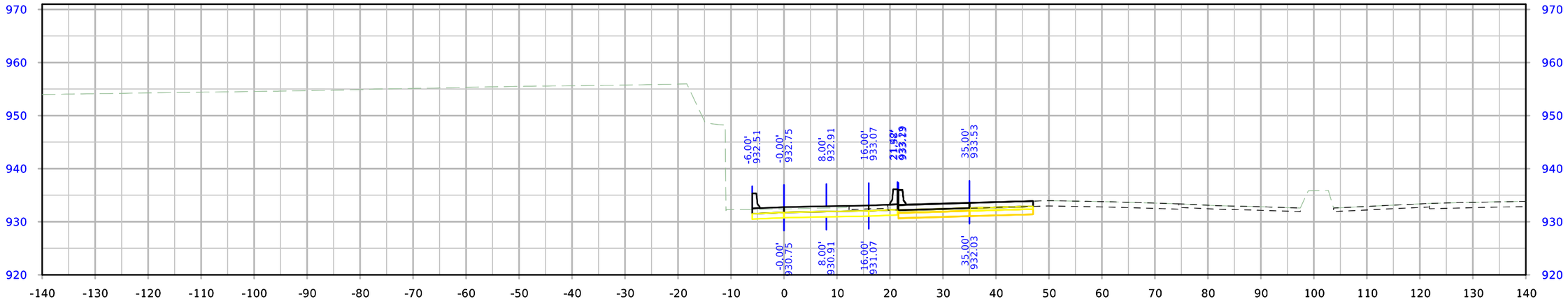
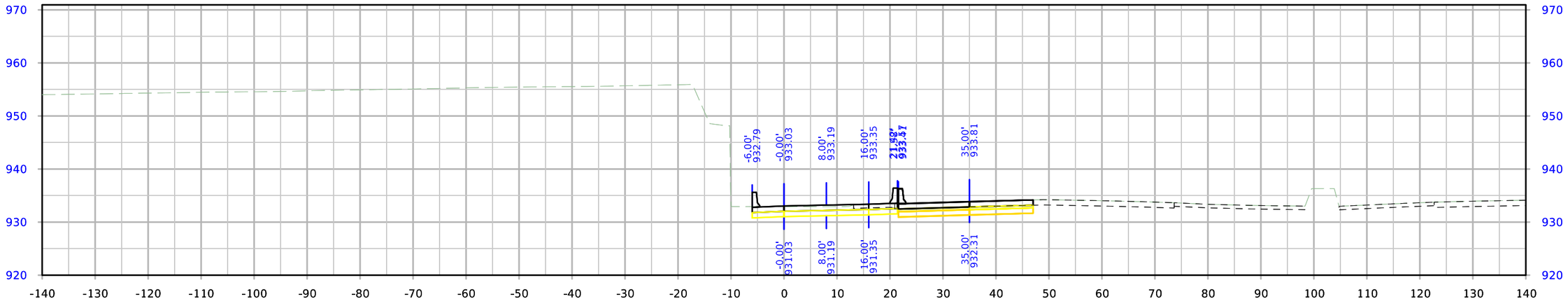
University Avenue Ramp C



STA. 3367+00.00

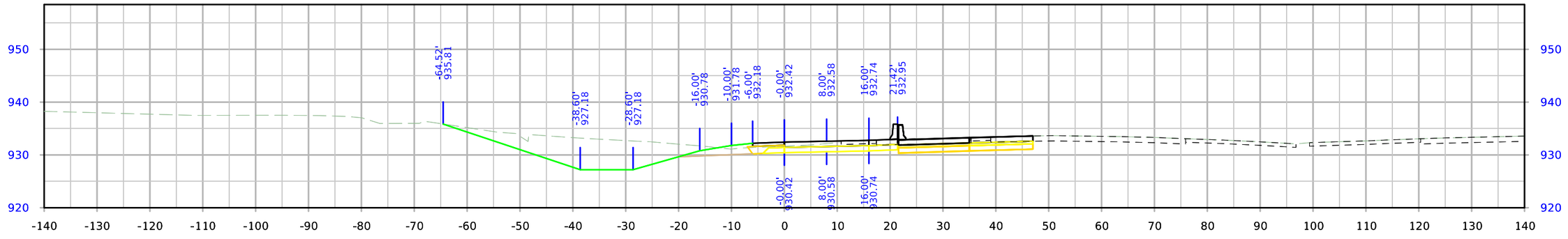


STA. 3366+50.00

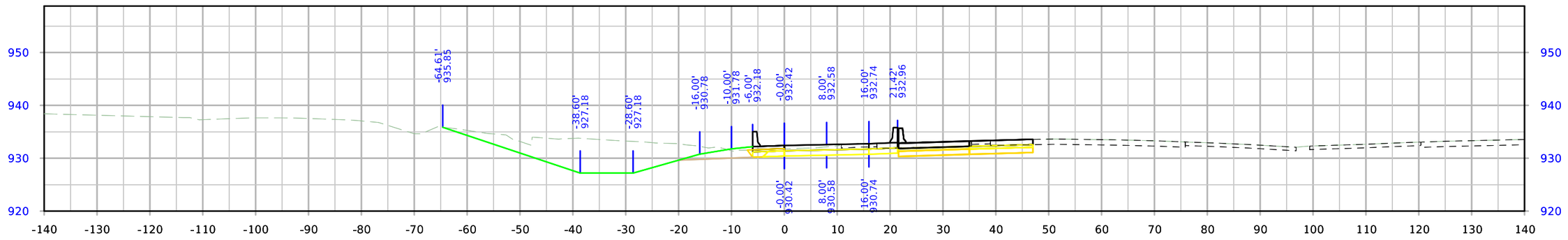
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.189

5:05:46 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y07_77035455_Z08.dgn

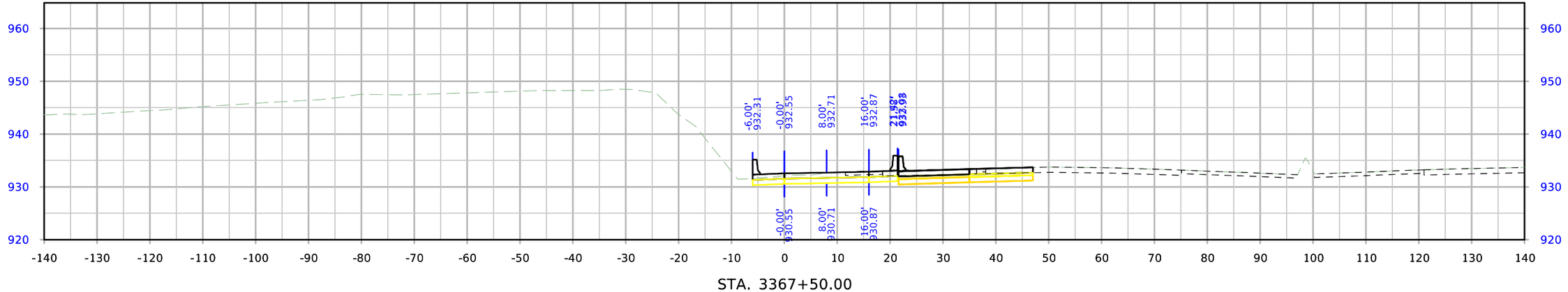
University Avenue Ramp C



STA. 3368+00.00



STA. 3367+96.98

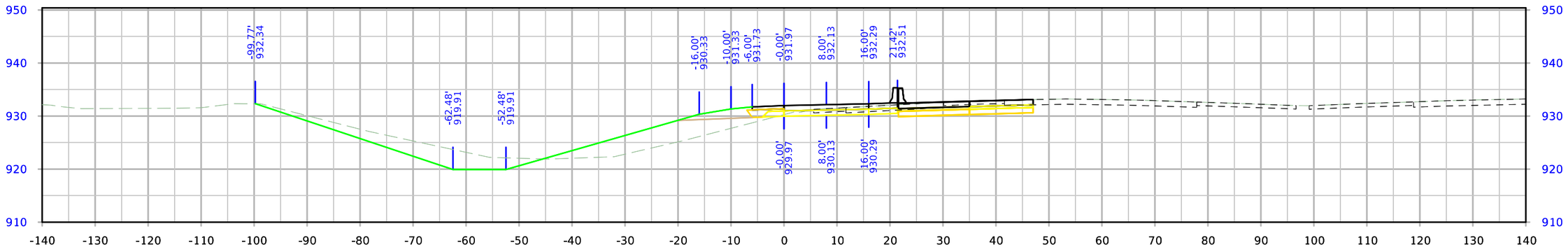


STA. 3367+50.00

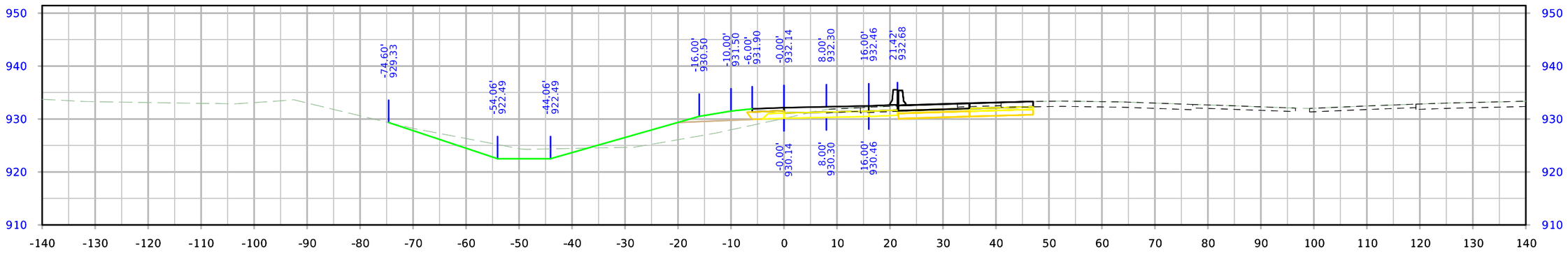
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.190

5:05:49 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y07_77035455_Z08.dgn

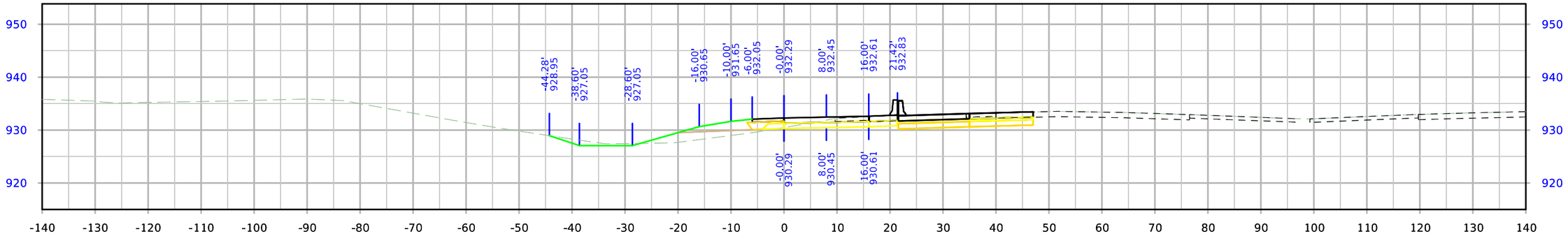
University Avenue Ramp C



STA. 3369+50.00



STA. 3369+00.00

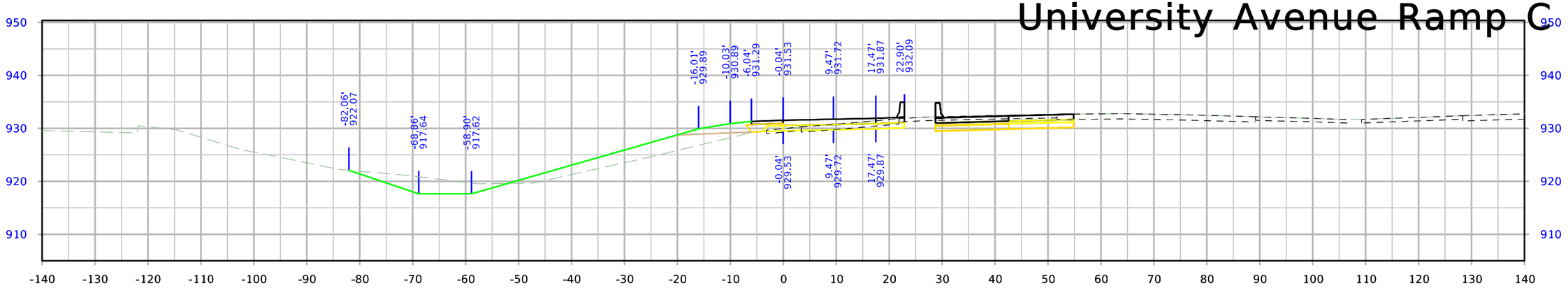


STA. 3368+50.00

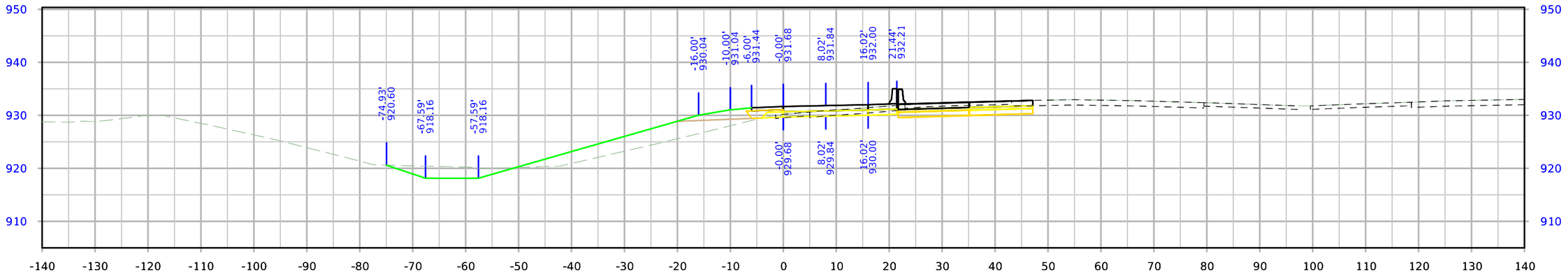
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.191

5:05:51 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y07_77035455_Z08.dgn

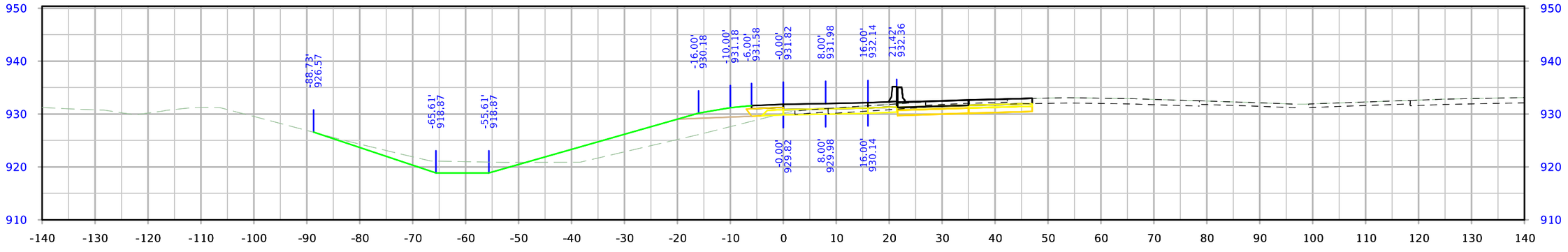
University Avenue Ramp C



STA. 3371+00.00



STA. 3370+50.00



STA. 3370+00.00

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.192

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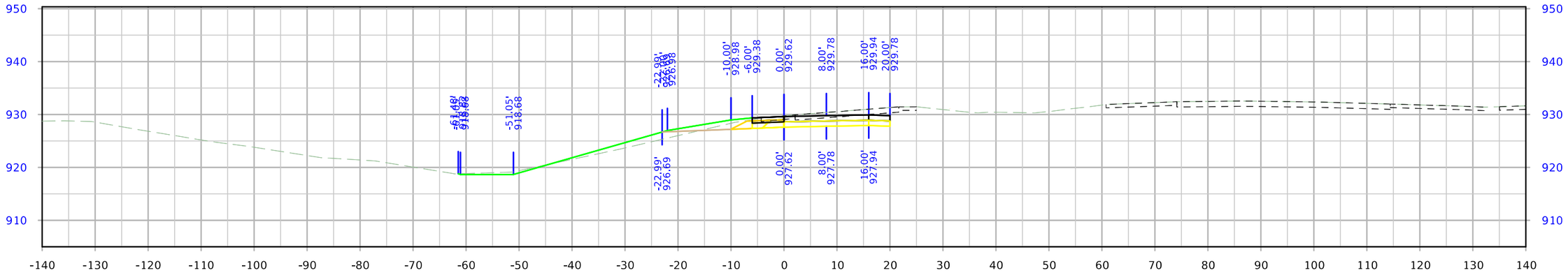
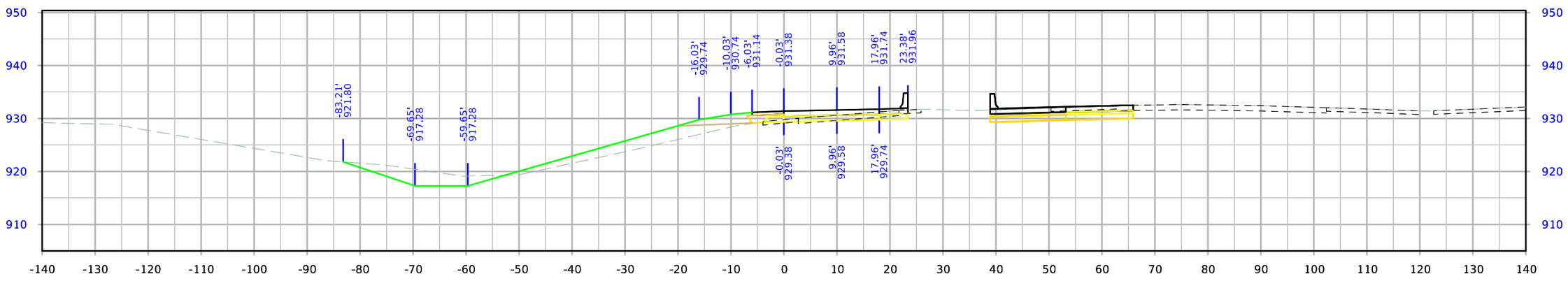
University Avenue Ramp C



STA. 3371+50.00

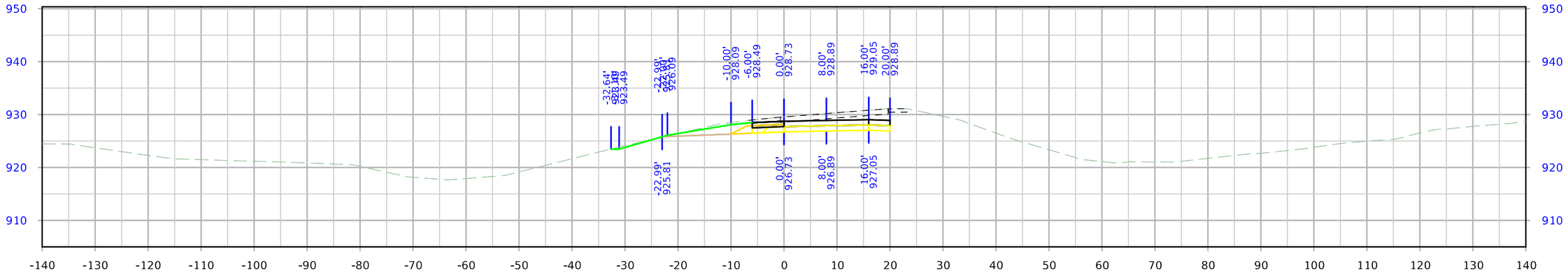


STA. 3371+30.19

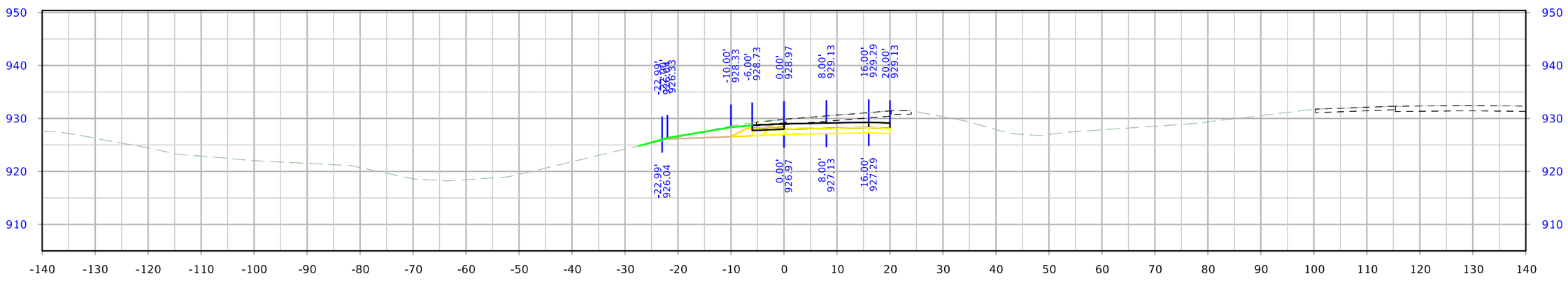
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.193

5:05:57 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y07_77035455_Z08.dgn

University Avenue Ramp C



STA. 3372+50.00

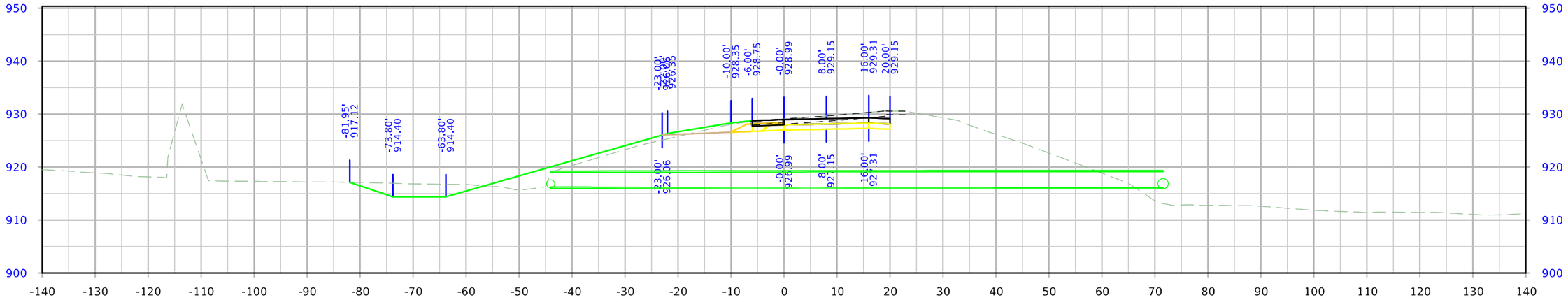


STA. 3372+00.00

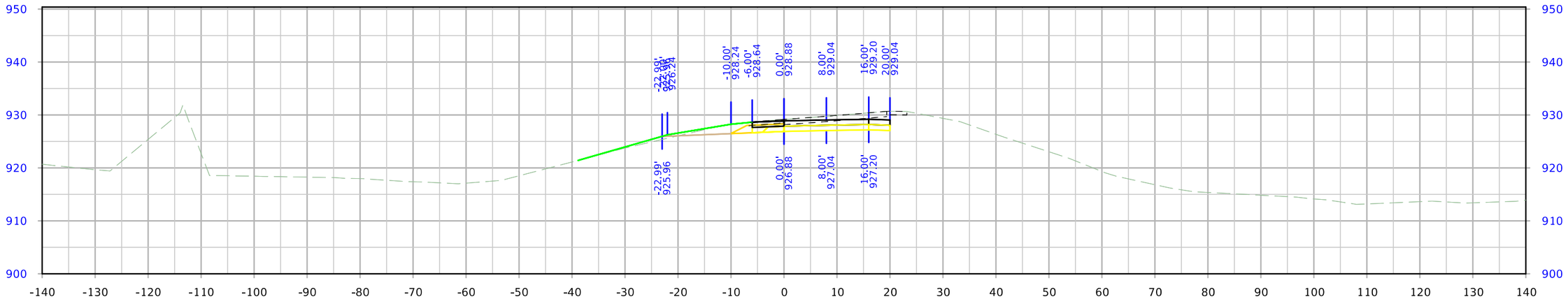
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.194

5:05:59 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y07_77035455_Z08.dgn

University Avenue Ramp C



STA. 3373+20.77

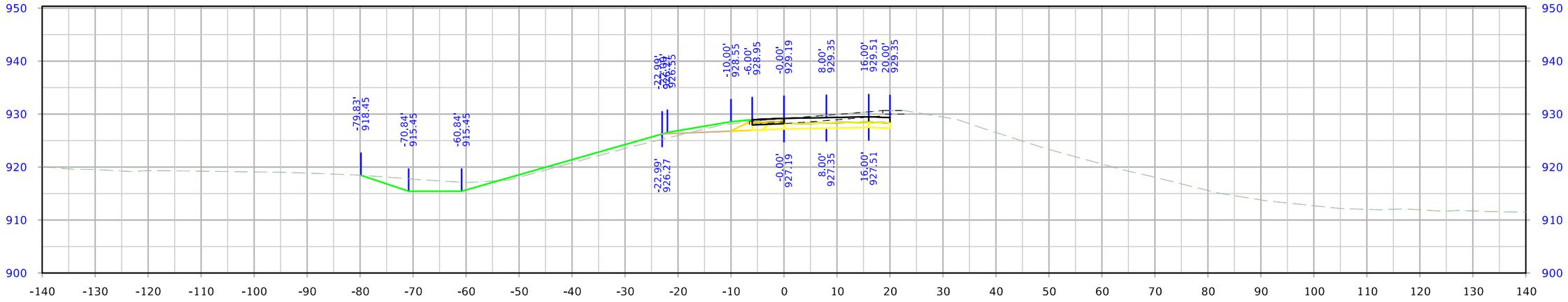


STA. 3373+00.00

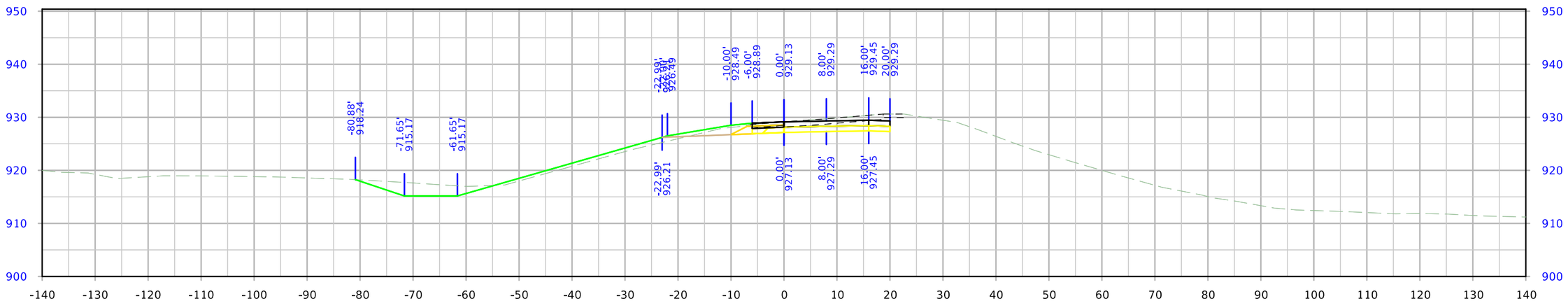
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.195

5:06:01 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y07_77035455_Z08.dgn

University Avenue Ramp C



STA. 3373+61.15

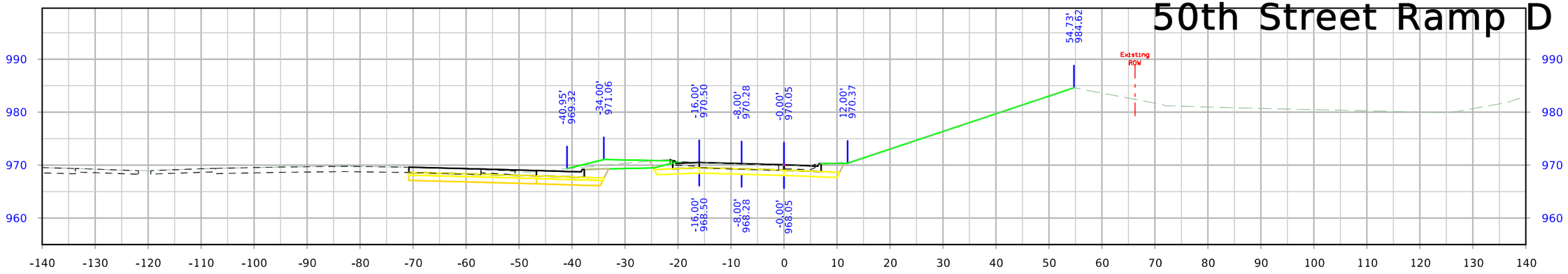


STA. 3373+50.00

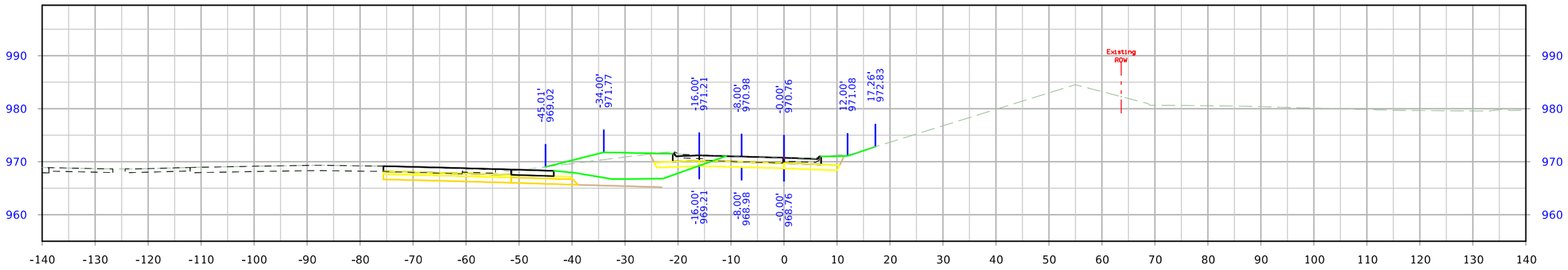
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.196

5:06:03 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y07_77035455_Z08.dgn

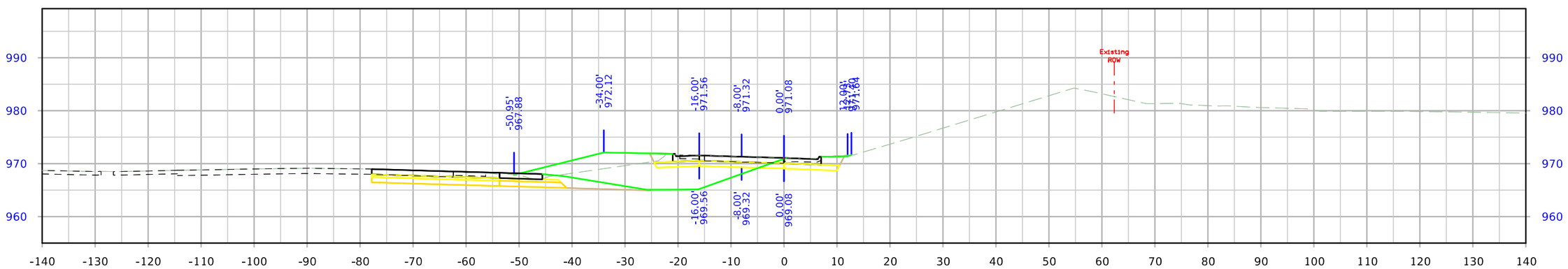
50th Street Ramp D



STA. 4552+00.00



STA. 4551+50.00

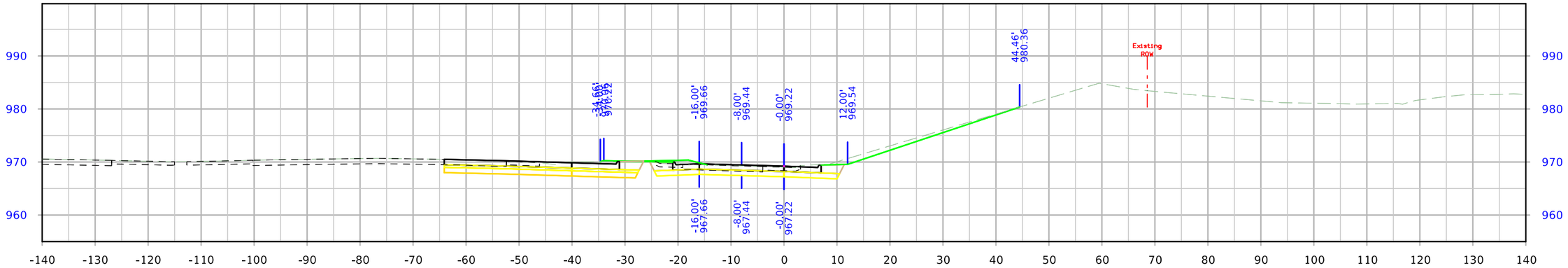


STA. 4551+29.90

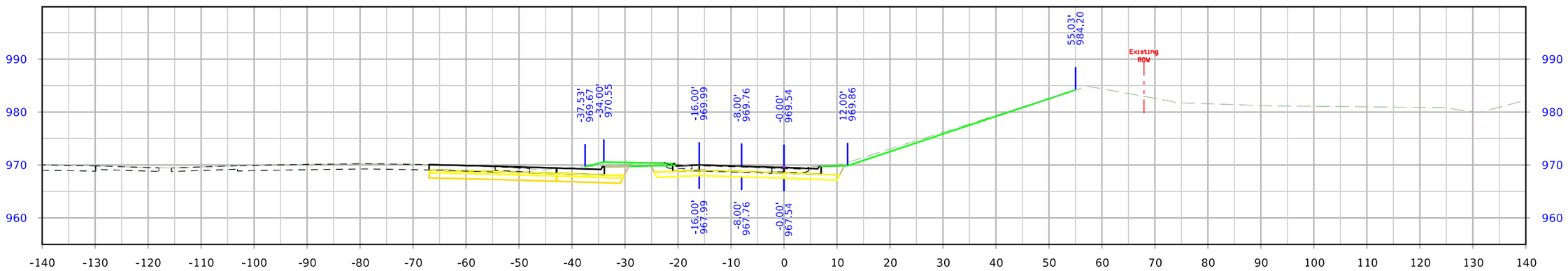
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.197	

5:06:12 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y08_77035455_Z08.dgn

50th Street Ramp D



STA. 4553+00.00

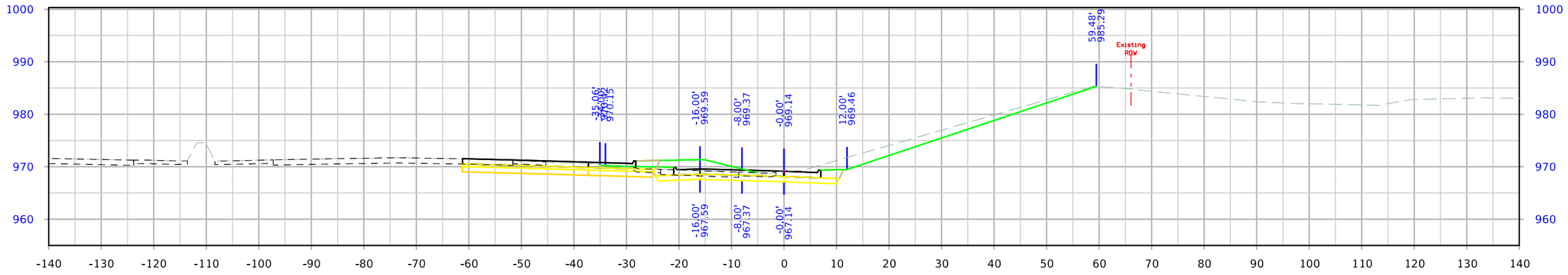


STA. 4552+50.00

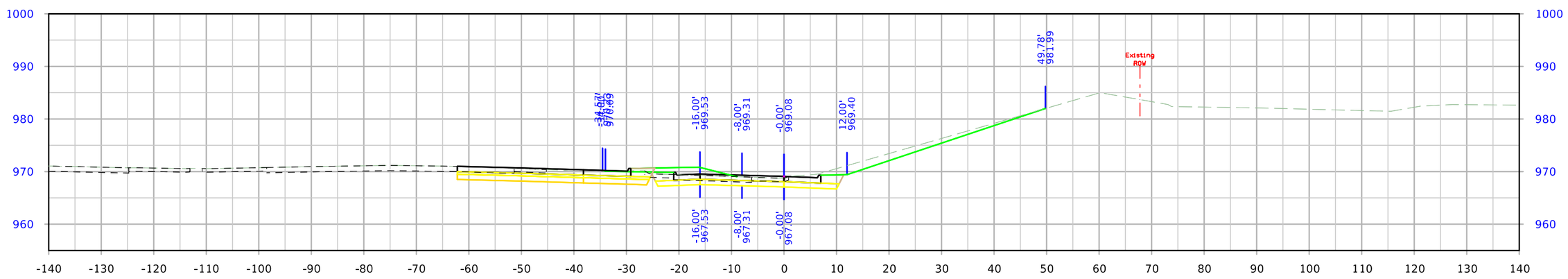
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.198

5:06:14 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y08_77035455_Z08.dgn

50th Street Ramp D



STA. 4554+00.00

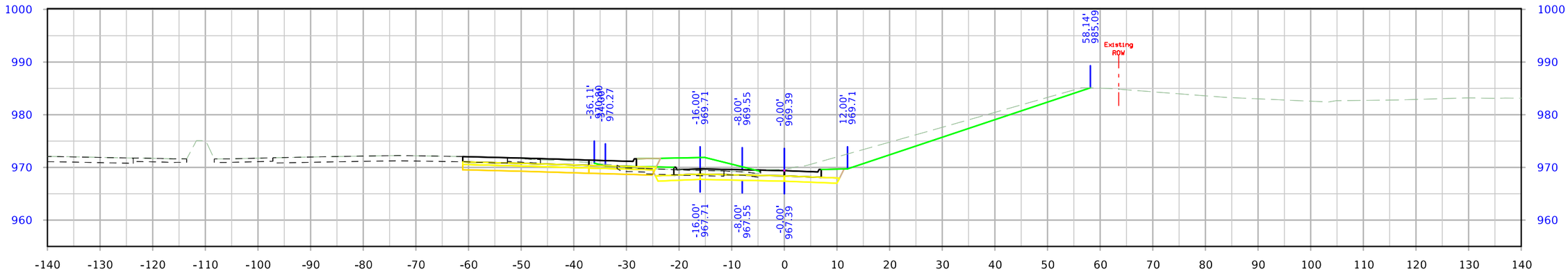


STA. 4553+50.00

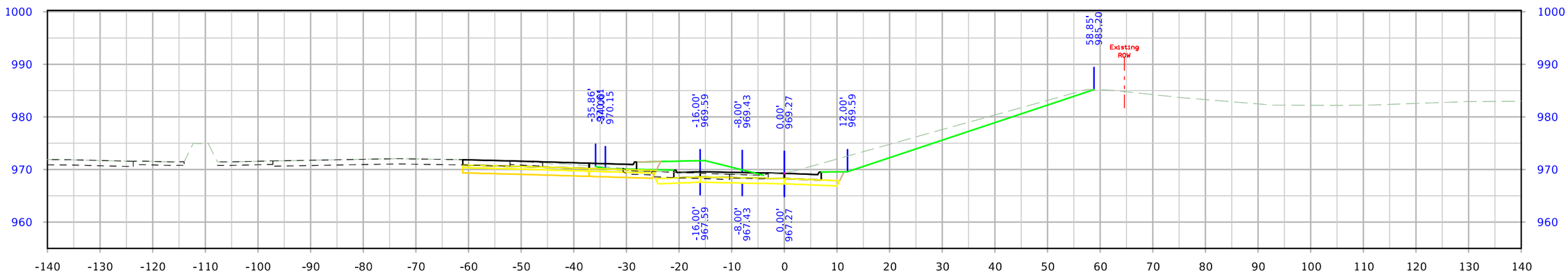
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.199

5:06:16 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y08_77035455_Z08.dgn

50th Street Ramp D



STA. 4554+50.00

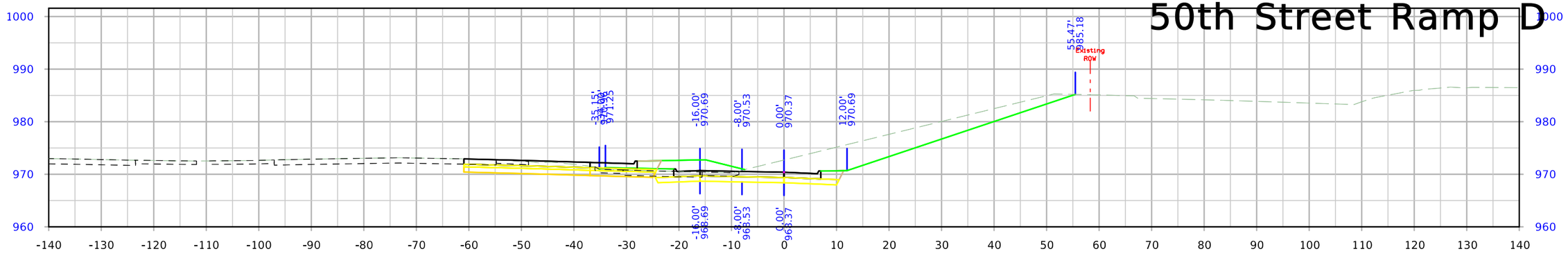


STA. 4554+30.31

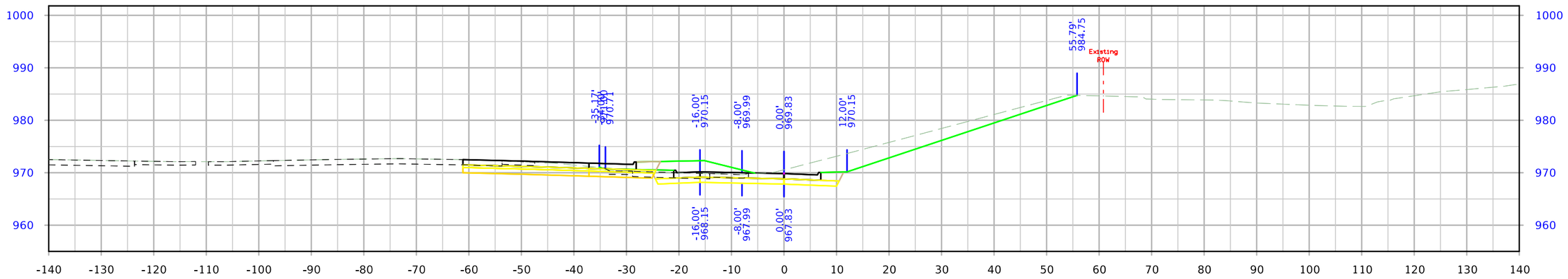
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.200

5:06:17 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y08_77035455_Z08.dgn

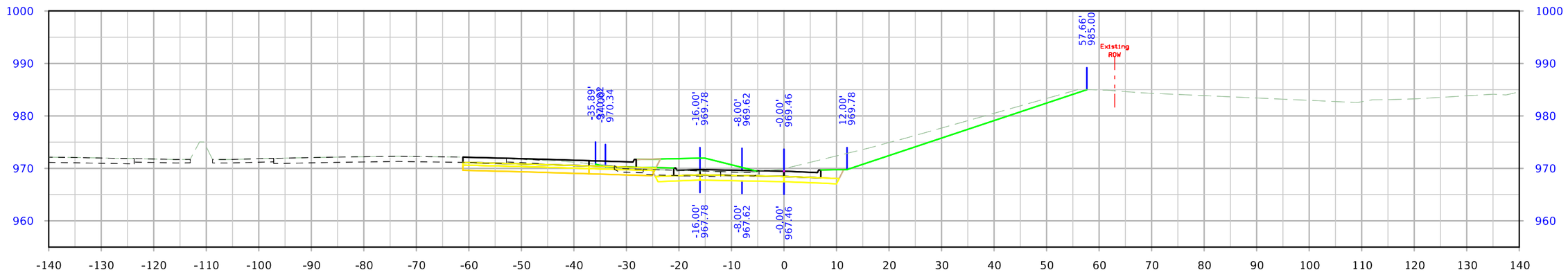
50th Street Ramp D



STA. 4555+50.00



STA. 4555+00.00

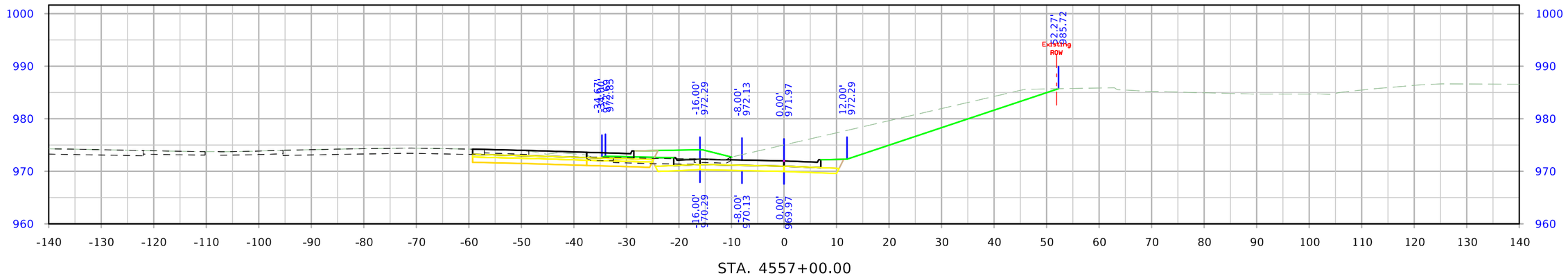


STA. 4554+59.79

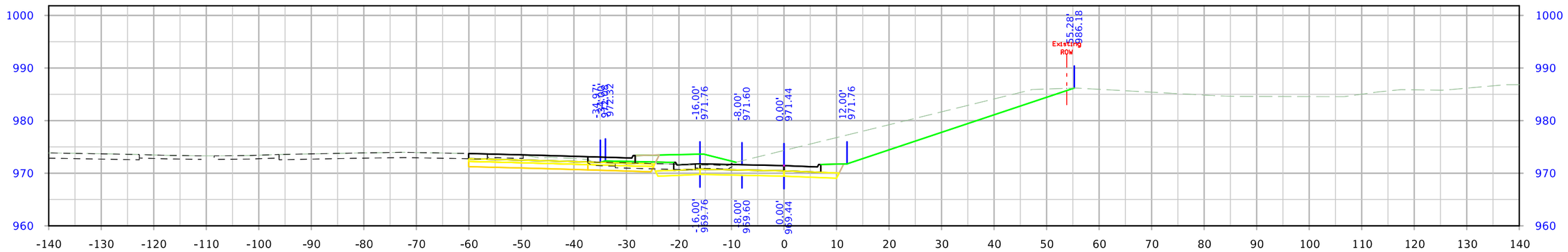
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.201

5:06:19 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y08_77035455_Z08.dgn

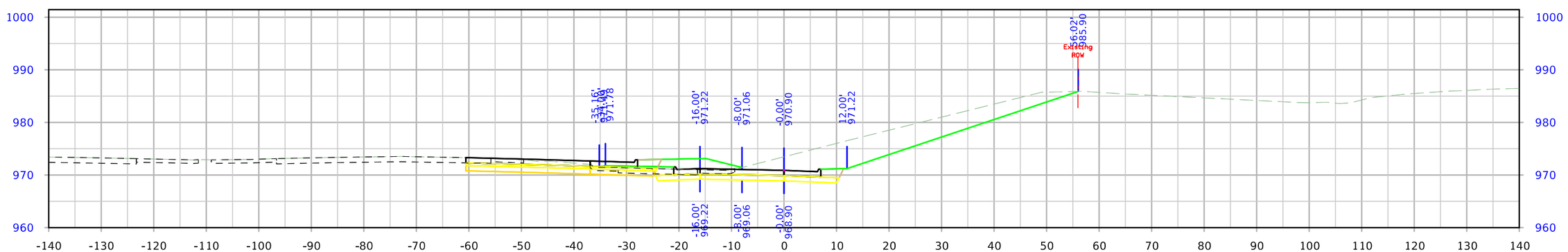
50th Street Ramp D



STA. 4557+00.00



STA. 4556+50.00

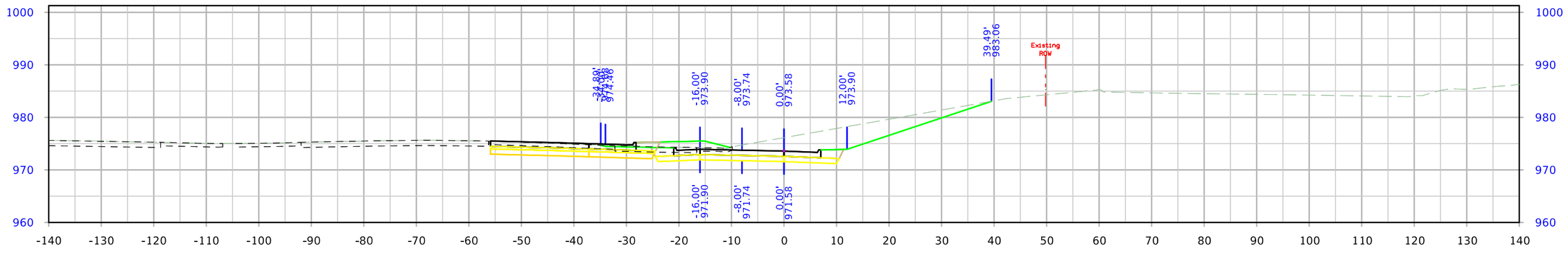


STA. 4556+00.00

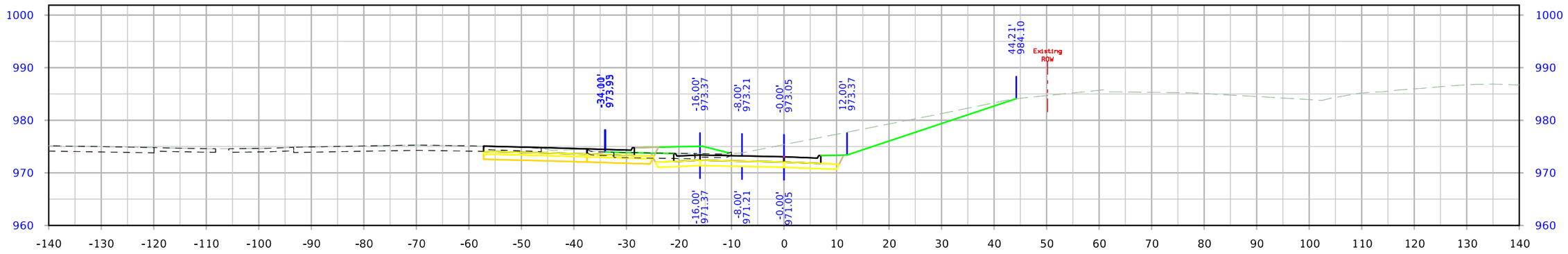
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.202

5:06:22 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y08_77035455_Z08.dgn

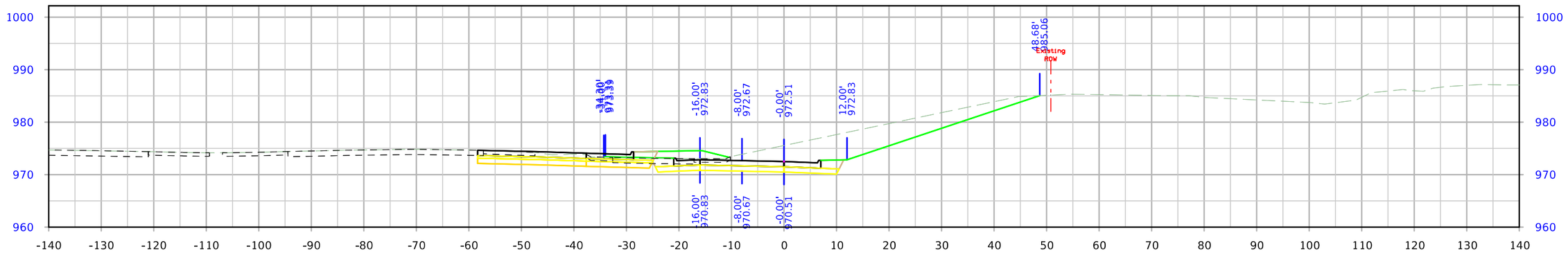
50th Street Ramp D



STA. 4558+50.00



STA. 4558+00.00

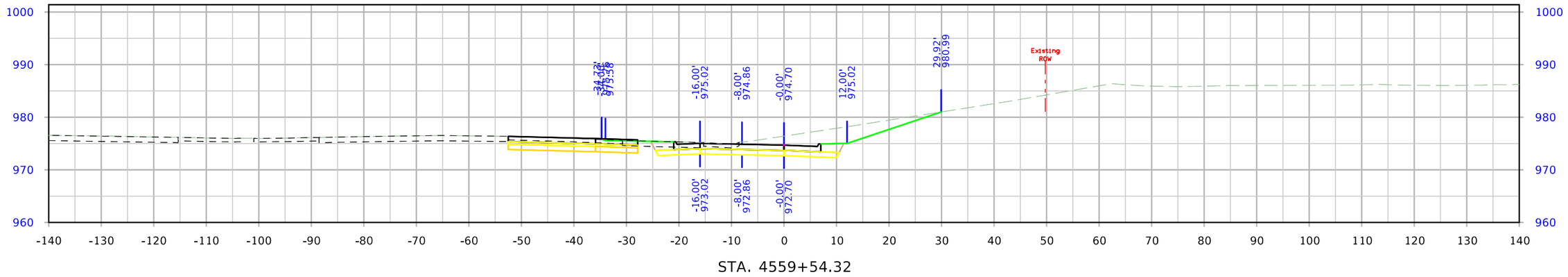


STA. 4557+50.00

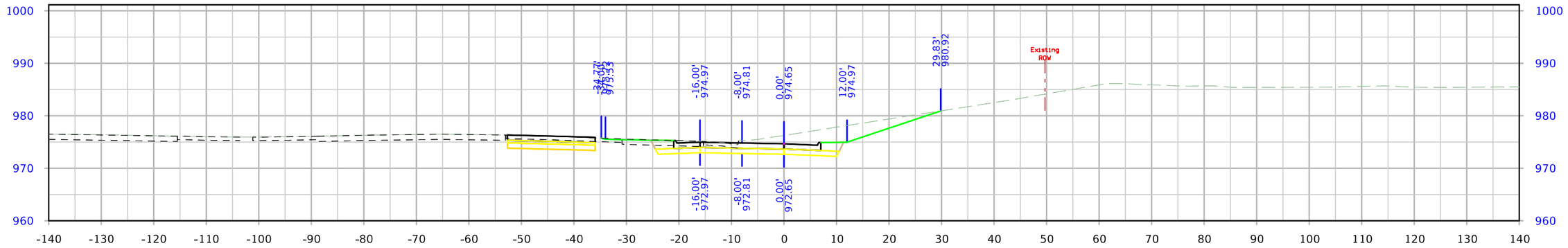
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.203

5:06:24 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y08_77035455_Z08.dgn

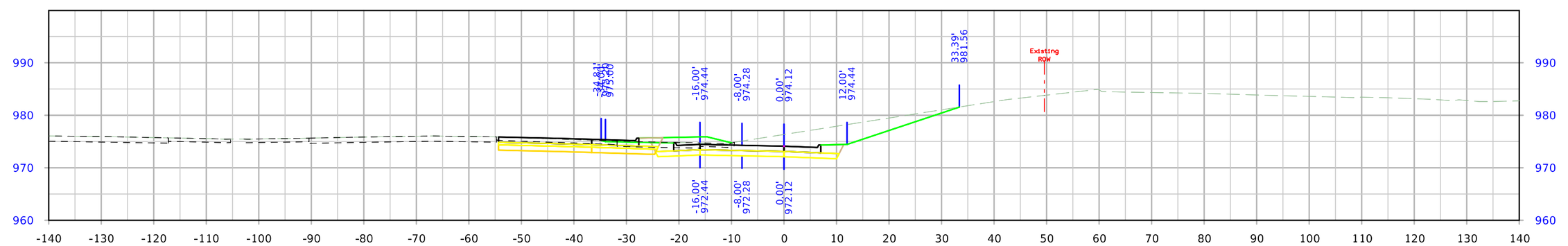
50th Street Ramp D



STA. 4559+54.32



STA. 4559+50.00

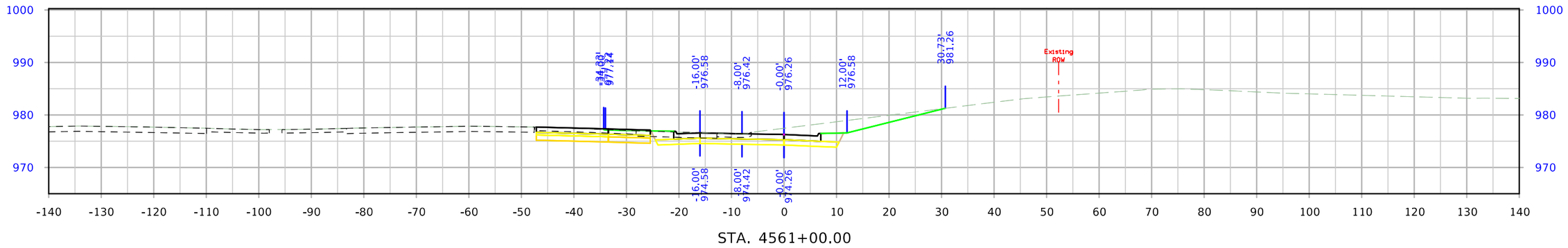


STA. 4559+00.00

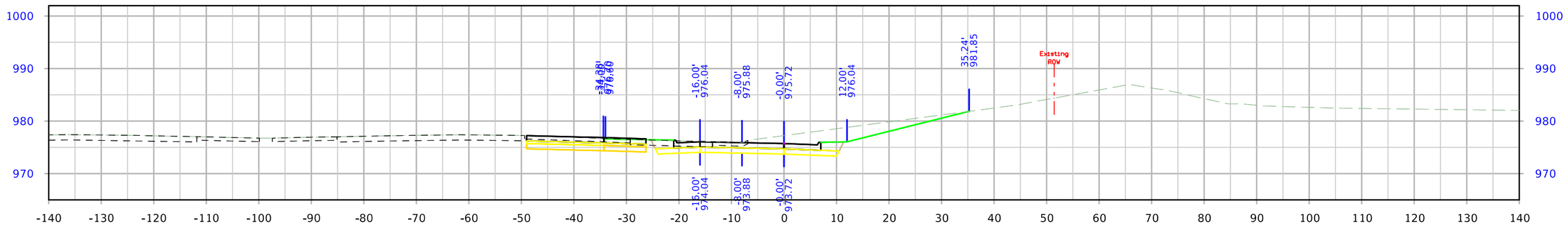
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.204

5:06:26 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y08_77035455_Z08.dgn

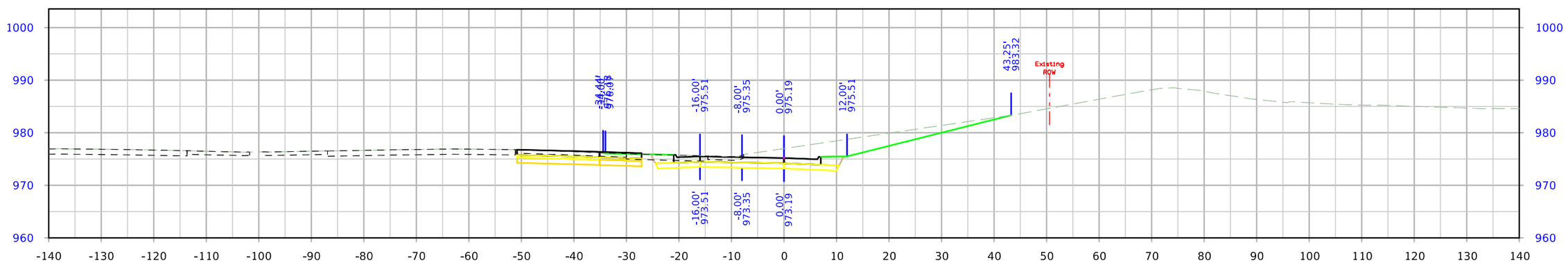
50th Street Ramp D



STA. 4561+00.00



STA. 4560+50.00

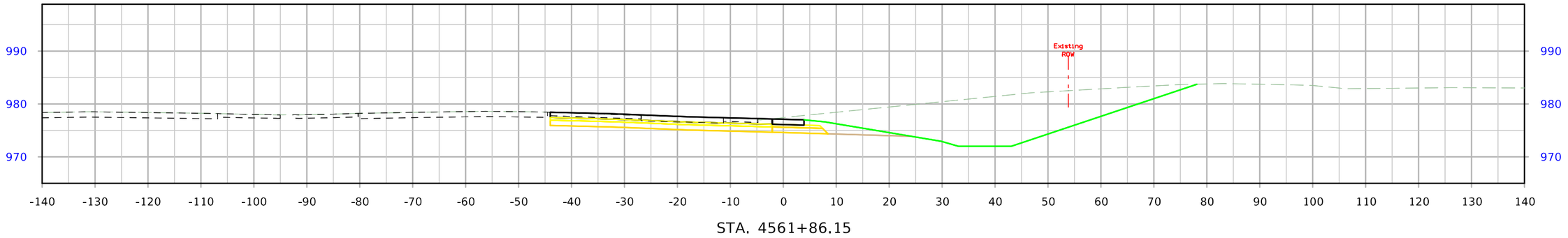


STA. 4560+00.00

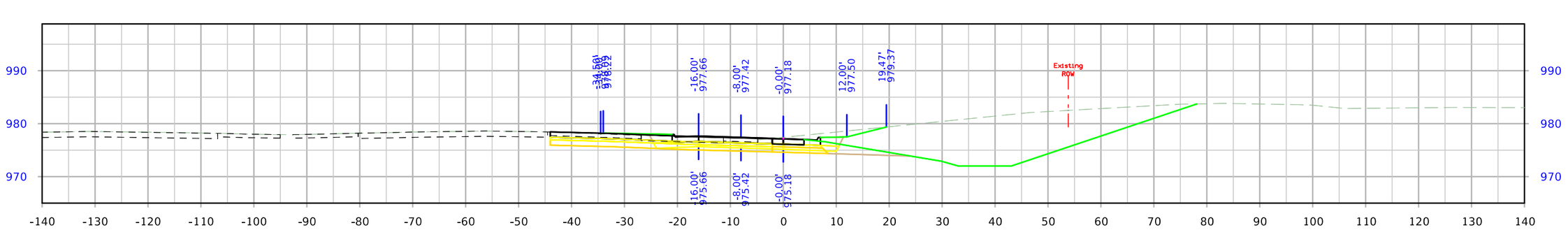
FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.205

5:06:28 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y08_77035455_Z08.dgn

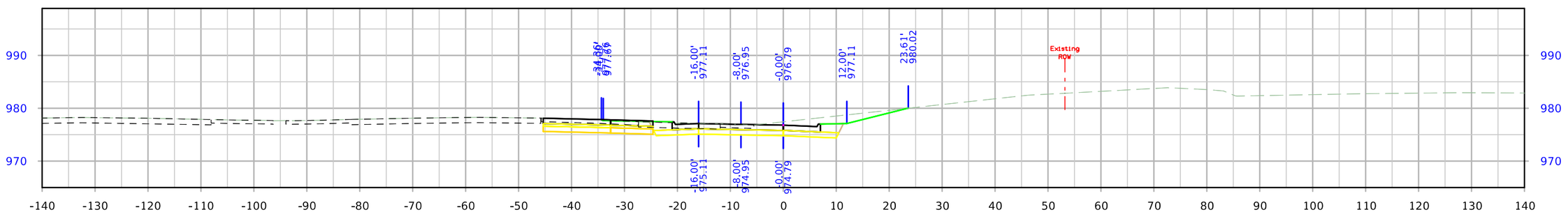
50th Street Ramp D



STA. 4561+86.15



STA. 4561+86.03



STA. 4561+50.00

FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT \ HR GREEN	POLK COUNTY	PROJECT NUMBER IM-035-2(455)73--13-77	SHEET NUMBER Y.206

5:06:31 PM 9/15/2023 nbuckin pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\7703505016\Design\(455)_Initial Build\CADD_Files\Sheet_Files\SHT_Y08_77035455_Z08.dgn