LETTING DATE
DEC 21, 2027

PCC Pavement- Grade and Pave
NHSX-058-1(097)--3H-07

BLACK HAWK COUNTY

INDEX OF SHEETS

No.	DESCRIPTION
A Sheets	**Title Sheets**
* A.1	Title Sheet
* A.2	Location Map Sheet
B Sheets	**Typical Cross Sections and Details**
B.1 - 5	Typical Cross Sections and Details
D Sheets	**Mainline Plan and Profile Sheets**
* D.1	Plan & Profile Legend & Symbol Information Sheet
* D.2 - 7	IA 27/58 Plan and Profile
E Sheets	**Side Road Plan and Profile Sheets**
* E.1 - 2	Greenhill Road Plan and Profile
* E.3 - 4	Greenhill Road EB Plan and Profile
* E.5 - 7	Greenhill Road WB Plan and Profile
* E.8	James Drive Plan and Profile
* E.9	Trail Pedestrian Culvert Plan and Profile
* E.10 - 11	Trail NE and Trail SE Plan and Profile
* E.12	Trail Mayors Bridge Plan and Profile
G Sheets	**Survey Sheets**
G.1 - 3	Reference Ties and Bench Marks
J Sheets	**Traffic Control and Staging Sheets**
* J.1	Traffic Control Legend & Symbol Information Sheet
J.2	Traffic Control Layout and Staging Notes
* J.3	Overall Staging Plan
* J.4 - 8	Stage 1 Traffic Control Plan
* J.9 - 12	Stage 2 Traffic Control Plan
* J.13 - 16	Stage 3 Traffic Control Plan
* J.17 - 23	Stage 4 Traffic Control Plan
K Sheets	**Interchange Sheets**
* K.1	Interchange Layout Sheets
* K.2 - 4	Ramp A Plan and Profile
* K.5 - 6	Ramp B Plan and Profile
* K.7 - 8	Ramp C Plan and Profile
* K.9 - 10	Ramp D Plan and Profile
U Sheets	**MSE Wall Sheets**
* U.1	MSE Wall along NB IA 58 Plan and Profile
* U.2	MSE Wall along SB IA 58 Plan and Profile
V Sheets	**Culvert Situation Plans**
* V.1 - 8	Culvert Situation Plans
* V.9 - 19	Noise Wall Situation Plans
* VX.1	Pipe Extension
W Sheets	**Mainline Cross Sections**
* W.1	Cross Sections Legend & Symbol Information Sheet
* W.2 - 69	Mainline Cross Sections
X Sheets	**Side Road Cross Sections**
* X.1 - 22	Greenhill Road Cross Sections
* X.23	James Drive Cross Sections
Y Sheets	**Ramp Cross Sections**
* Y.1 - 24	Ramp A Cross Sections
* Y.25 - 36	Ramp B Cross Sections
* Y.37 - 53	Ramp C Cross Sections
* Y.54 - 68	Ramp D Cross Sections

* Color Plan Sheets

IOWA DOT

REVISIONS

TOTAL 244
PROJECT IDENTIFICATION NUMBER
12-07-058-010-01
PROJECT NUMBER
NHSX-058-1(097)--3H-07
R.O.W. PROJECT NUMBER
NHSX-058-1(098)--2R-07

PLANS OF PROPOSED IMPROVEMENT ON THE

PRIMARY ROAD SYSTEM
BLACK HAWK COUNTY
PCC Pavement- Grade and Pave

IA 58 at Greenhill Rd in Cedar Falls
Sta 186+33.56 to 267+38.32

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
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www.iowaonecall.com
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MILEAGE SUMMARY

105-1
09-27-94

Div.	Location	Lin. Ft.	Miles
I	IA HWY 58		
	STA. 186+33.56 TO STA. 267+38.32	8104.76	1.535
I	GREENHILL ROAD		
	STA. 11+50.00 TO STA. 35+21.11	2371.11	0.449
I	GREENHILL ROAD BRIDGE		
	STA. 21+29.73 TO STA. 22+52.73	-123.00	-0.023
	TOTAL LENGTH OF PROJECT	10352.87	1.961

For Project Location Map Refer to Sheet A.2

Preliminary Earthwork:
67000 CY Cut - Raw
399000 CY Fill - Raw
519000 CY Fill - Adjusted 1.3
452000 CY Total Borrow Required

IA 58 DESIGN DATA URBAN			
2022	AADT	21,200	V.P.D.
2050	AADT	31,800	V.P.D.
2050	DHV	4,970	V.P.H.
TRUCKS		5	%
Total Design ESALs		-	

GREENHILL RD DESIGN DATA URBAN			
2022	AADT	10,400	V.P.D.
2050	AADT	20,100	V.P.D.
2050	DHV	2,400	V.P.H.
TRUCKS		3	%
Total Design ESALs		-	

INDEX OF SEALS

SHEET NO.	NAME	TYPE

PRELIMINARY PLANS

Subject to change by final design.

D5 PLAN - Date: 05/28/2025

FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER A.1

4:20:13 PM 5/23/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\A01_07058097Z05.dgn

R–14W R–13W

T–89N

STA 11+50.00
BEGIN PROJECT

PROJECT
LOCATION

STA 186+33.56
BEGIN PROJECT

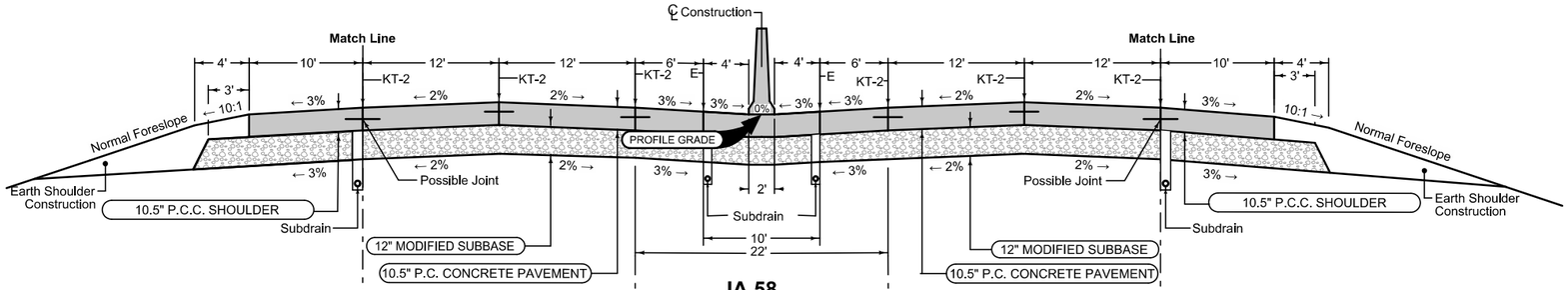
STA 267+38.32
END PROJECT

STA 35+21.11
END PROJECT

LOCATION MAP SCALE
0 0.2 0.4 0.6
Miles

FILE NO.	ENGLISH	DESIGN TEAM **AECOM**	**BLACK HAWK** COUNTY	PROJECT NUMBER **NHSX-058-1(097)--3H-07**	SHEET NUMBER **A.2**

4:20:14 PM 5/23/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\A01_07058097Z05.dgn



IA 58

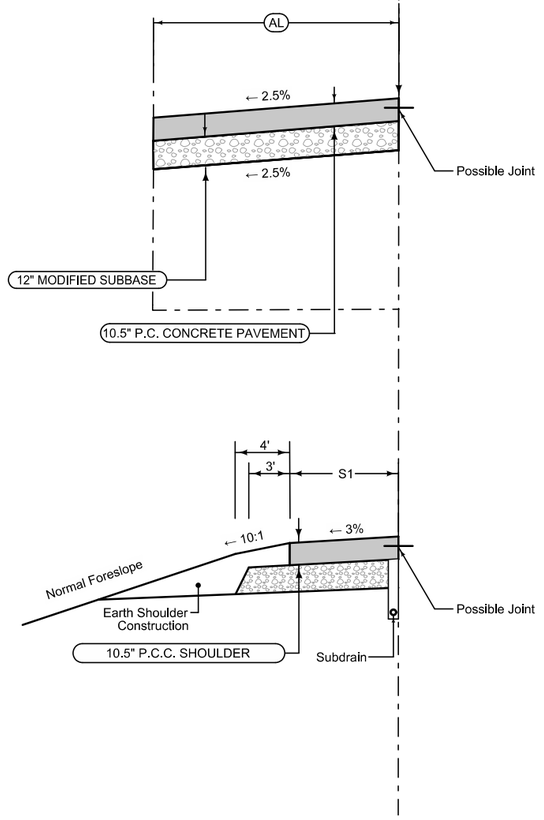
4 LANE PAVING with MEDIAN BARRIER

Auxiliary Lane

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

4_AuxLane_PCC_R Modified		
STATION TO STATION		(AL) Feet
194+83.95	210+23.01	Taper
235+58.88	241+58.88	Taper

Ramp Taper - Width Varies



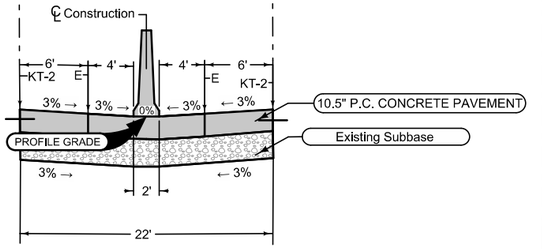
Full Depth PCC Shoulder

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

4D_Closed_P_FullPCC_L Modified		
BEGIN STATION	END STATION	(S1) Feet
194+43.56	194+83.95	10
194+83.95	195+83.87	10-8
195+83.87	210+23.01	8
235+58.88	241+29.14	8
241+29.14	241+58.88	8-10
241+58.88	267+38.72	10

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

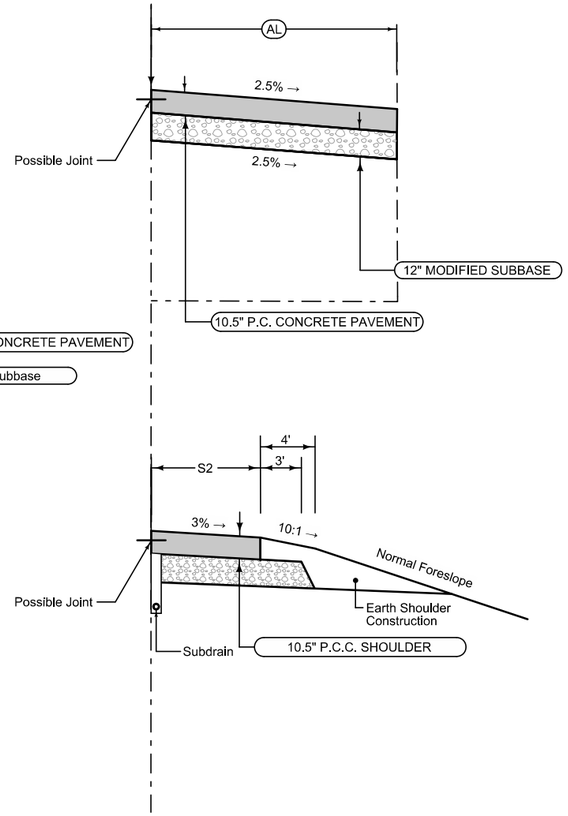
4DP_Closed_ Modified	
BEGIN STATION	END STATION
194+43.56	197+80.26
209+59.41	241+97.27



Median Barrier

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

4DP_Closed_ Modified	
BEGIN STATION	END STATION
186+33.56	194+43.56



Auxiliary Lane

Longitudinal joint: L-3 or KT-2
Transverse joint: Match Mainline

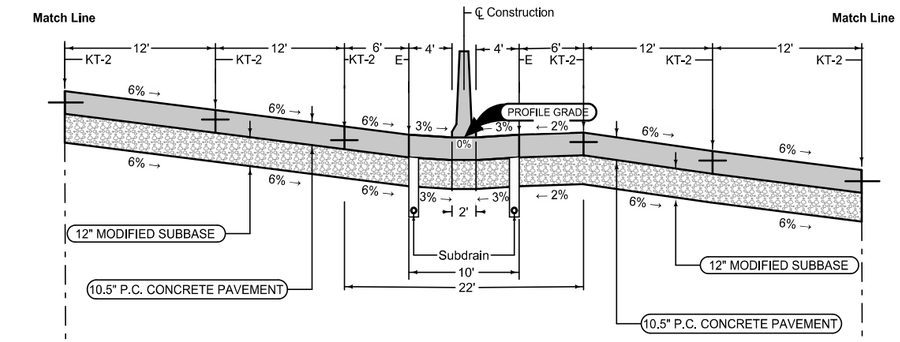
4_AuxLane_PCC_R Modified		
STATION TO STATION		(AL) Feet
194+43.56	205+51.25	12
205+51.25	209+71.25	TAPER
234+28.91	249+61.61	TAPER

Ramp Taper - Width Varies

Full Depth PCC Shoulder

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

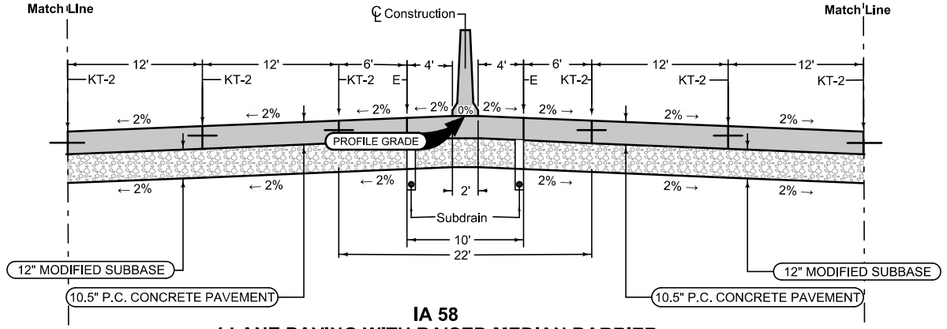
4D_Closed_P_FullPCC_L Modified		
BEGIN STATION	END STATION	(S1) Feet
194+43.56	205+51.25	10
205+51.25	205+81.01	10-8
205+81.01	210+23.01	8
234+28.91	248+59.49	8
248+59.49	249+61.61	8-10
249+61.61	266+49.48	10



IA 58
4 LANE PAVING SUPERELEVATION
SEE G-SHEETS AND U-SHEETS FOR DETAILS AND LOCATIONS

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

4DP_Closed_Modified	
BEGIN STATION	END STATION
197+80.26	209+59.41
241+97.27	251+89.19



IA 58
4 LANE PAVING WITH RAISED MEDIAN BARRIER

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

4DP_Raised_Out_Modified	
BEGIN STATION	END STATION
251+89.19	266+83.38

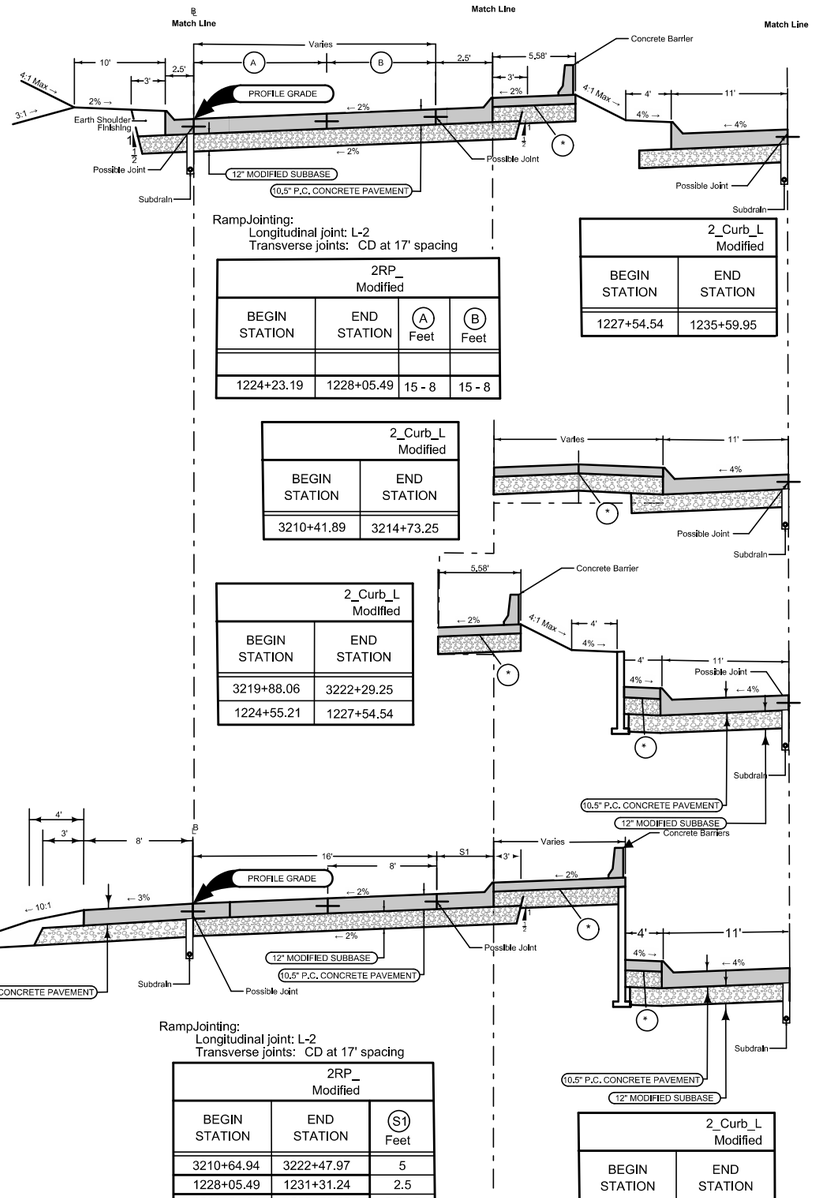
IA 58 4 Lane Paving with Medium Barrier

See TYP. B.1

CURBED SHOULDER

Shoulder Jointing:
Longitudinal joint not required when distance from back of curb to nearest joint is less than 15':
Single pour: L-2
Staged : KT-2
Transverse: C at 17' spacing

2_Curb_L Modified	
BEGIN STATION	END STATION
1223+96.08	1226+19.52
1227+03.80	1231+31.34
3222+47.97	3223+07.13



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

2RP_ Modified			
BEGIN STATION	END STATION	(A) Feet	(B) Feet
1224+23.19	1228+05.49	15 - 8	15 - 8

2_Curb_L Modified	
BEGIN STATION	END STATION
1227+54.54	1235+59.95
3210+41.89	3214+73.25
3219+88.06	3222+29.25
1224+55.21	1227+54.54
3214+73.25	3219+88.06

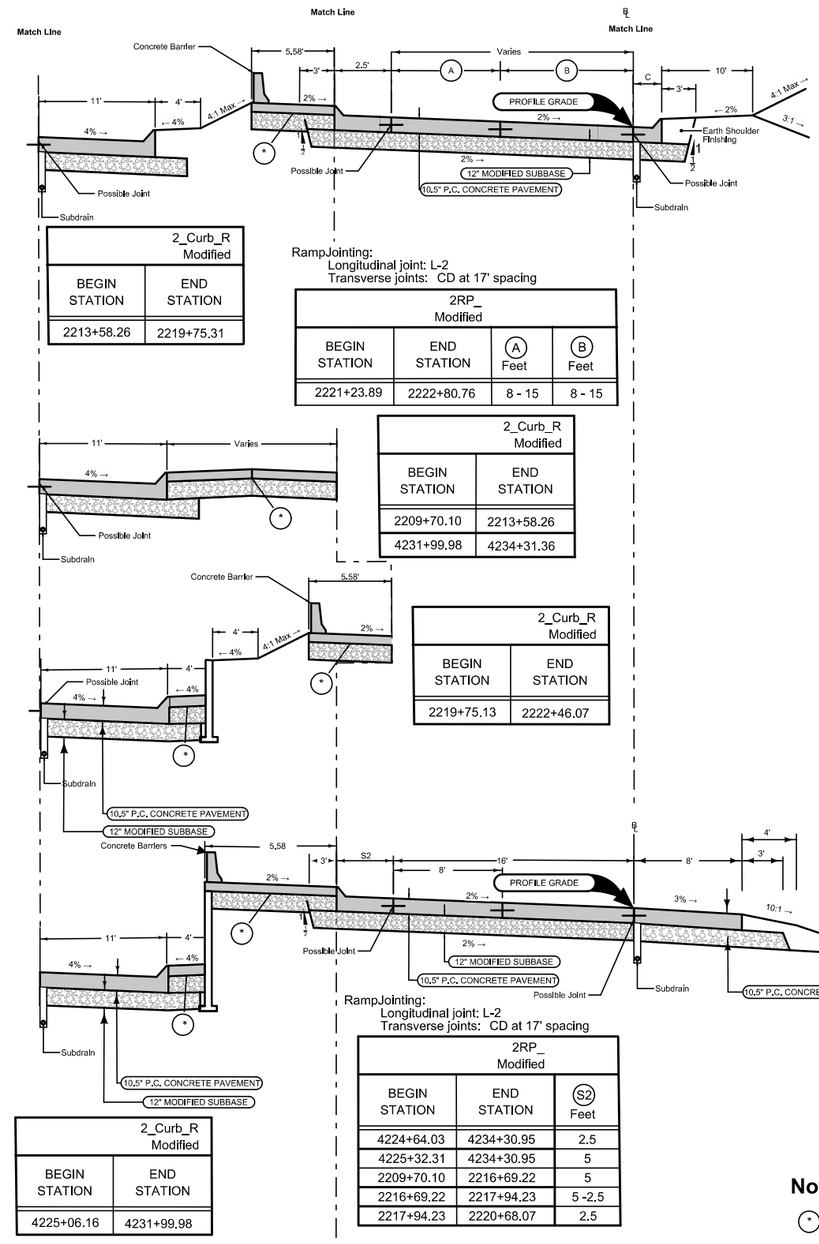
Full Depth PCC Shoulder

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

4D_Closed_P_FullPCC_L Modified	
BEGIN STATION	END STATION
3210+64.94	3222+47.97
1231+31.24	1235+59.95

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

2RP_ Modified		
BEGIN STATION	END STATION	(S1) Feet
3210+64.94	3222+47.97	5
1228+05.49	1231+31.24	2.5
1231+31.24	1232+50.98	2.5 - 5
1232+50.98	1235+59.95	5



2_Curb_R Modified	
BEGIN STATION	END STATION
2213+58.26	2219+75.31
2209+70.10	2213+58.26
4231+99.98	4234+31.36
2219+75.13	2222+46.07
4225+06.16	4231+99.98

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

2RP_ Modified		
BEGIN STATION	END STATION	(A) Feet	(B) Feet
2221+23.89	2222+80.76	8 - 15	8 - 15

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

2RP_ Modified		
BEGIN STATION	END STATION	(S2) Feet
4224+64.03	4234+30.95	2.5
4225+32.31	4234+30.95	5
2209+70.10	2216+69.22	5
2216+69,22	2217+94.23	5 -2.5
2217+94.23	2220+68.07	2.5

CURBED SHOULDER

Shoulder Jointing:
Longitudinal joint not required when distance from back of curb to nearest joint is less than 15':
Single pour: L-2
Staged : KT-2
Transverse: C at 17' spacing

2_Curb_R Modified		
BEGIN STATION	END STATION	C
2215+09.68	2216+69.23	10
2216+69.23	2221+94.23	10-2.5
2217+94.23	2219+92.02	2.5
2221+23.89	2223+10.34	2.5

Full Depth PCC Shoulder

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

4D_Closed_P_FullPCC_R Modified	
BEGIN STATION	END STATION
2209+70.10	2215+09.68
4225+30.20	4234+30.95

Notes:

(*) 9" PCC
12" Modified Subbase

SEE G-SHEETS AND U-SHEETS FOR DETAILS AND LOCATIONS

Curbed Shoulder

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

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

			2_Curb_L Modified
STATION TO STATION		(P) Feet	Curb Type See PV-102
11+50.00	12+00.00		6" SLOPED
19+91.12	20+25.71		6" SLOPED
22+61.67	23+59.18		6" SLOPED
30+79.31	35+21.11		6" SLOPED

Curbed Shoulder

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

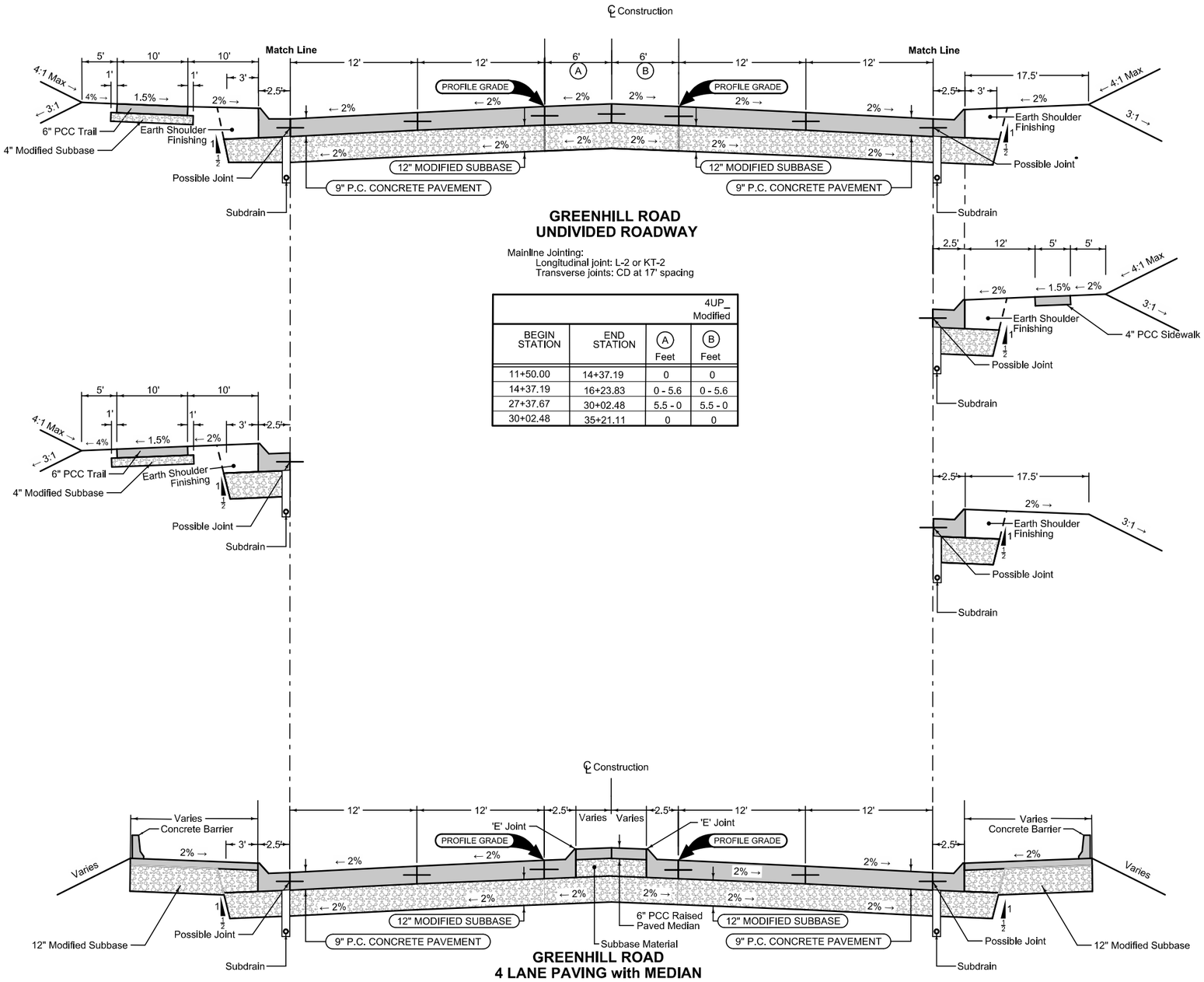
Single pour: L-2
Staged : KT-2 or L-2
Transverse:C at 17' spacing

			2_Curb_L Modified
STATION TO STATION		(P) Feet	Curb Type See PV-102
12+00.00	19+04.00		6" SLOPED
23+89.96	30+17.29		6" SLOPED

Shoulder with Barrier

C at 17' spacing.
See L-sheets

		2_Curb_L Modified
STATION TO STATION		Curb Type See PV-102
20+78.09	21+45.83	6" SLOPED



GREENHILL ROAD
UNDIVIDED ROADWAY

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

			4UP_ Modified
BEGIN STATION	END STATION	(A) Feet	(B) Feet
11+50.00	14+37.19	0	0
14+37.19	16+23.83	0 - 5.6	0 - 5.6
27+37.67	30+02.48	5.5 - 0	5.5 - 0
30+02.48	35+21.11	0	0

GREENHILL ROAD
4 LANE PAVING with MEDIAN

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

4DP_Raised_Out_ Modified		
BEGIN STATION	END STATION	
16+23.83	19+61.26	
20+10.21	21+33.66	
21+33.66	22+51.85	Bridge
22+51.85	23+76.96	
24+14.15	27+37.67	

Curbed Shoulder

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

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

			2_Curb_R Modified
STATION TO STATION		(P) Feet	Curb Type See PV-102
11+50.00	17+25.17		6" SLOPED
23+56.87	23+90.96		
24+76.01	24+98.01		

Curbed Shoulder

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

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

			2_Curb_R Modified
STATION TO STATION		(P) Feet	Curb Type See PV-102
29+34.23	35+21.11		6" SLOPED

Curbed Shoulder

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

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

			2_Curb_R Modified
STATION TO STATION		(P) Feet	Curb Type See PV-102
17+25.17	19+73.62		6" SLOPED
24+98.01	29+34.23		6" SLOPED

Shoulder with Barrier

C at 17' spacing.
See L-sheets

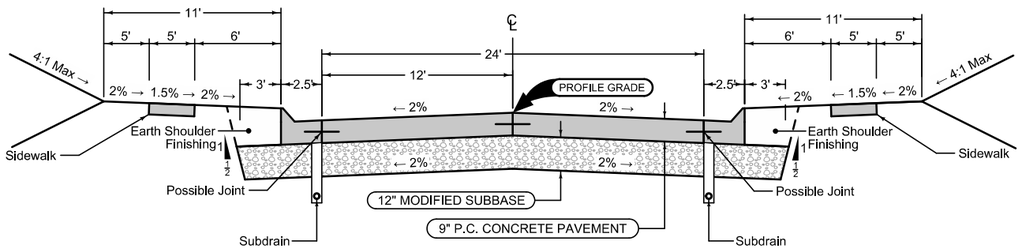
		2_Curb_R Modified
STATION TO STATION		Curb Type See PV-102
20+22.79	21+20.75	6" SLOPED
22+36.58	23+03.50	6" SLOPED

Curbed Shoulder

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

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

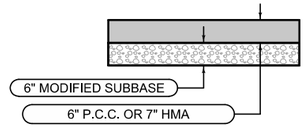
			2_Curb_L Modified
STATION TO STATION		(P) Feet	Curb Type See PV-102
0+51.62	0+86.07		6" STD.



JAMES DRIVE

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

	2P_ Modified
BEGIN STATION	END STATION
0+24.00	0+86.07



TEMPORARY PAVING DETAIL FOR THE DOGBONE AND TEMPORARY MEDIAN CROSSOVER

Curbed Shoulder

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

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

			2_Curb_R Modified
STATION TO STATION		(P) Feet	Curb Type See PV-102
0+51.41	0+86.07		6" STD.

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 — ***EL1D, Cedar Falls Utilities - Quality D***
- E2 — ***EL2D, City of Cedar Falls - Quality D***
- FO — ***FO1D, Cedar Falls Utilities - Quality D***
- FO2 — ***FO2D, Aureon Network Services - Quality D***
- FO3 — ***FO3D, Lumen - Quality D***
- G — ***GL1D, Cedar Falls Utilites - Quality D***
- SAN. — ***SA1D, City of Cedar Falls - Quality D***
- ST_S — ***ST1D, City of Cedar Falls - Quality D***
- T1 — ***TL1D, CenturyLink - Quality D***
- W — ***WL1D, Cedar Falls Utilities - Quality D***
- ***PPA, Cedar Falls Utilities***

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

RIGHT-OF-WAY LEGEND

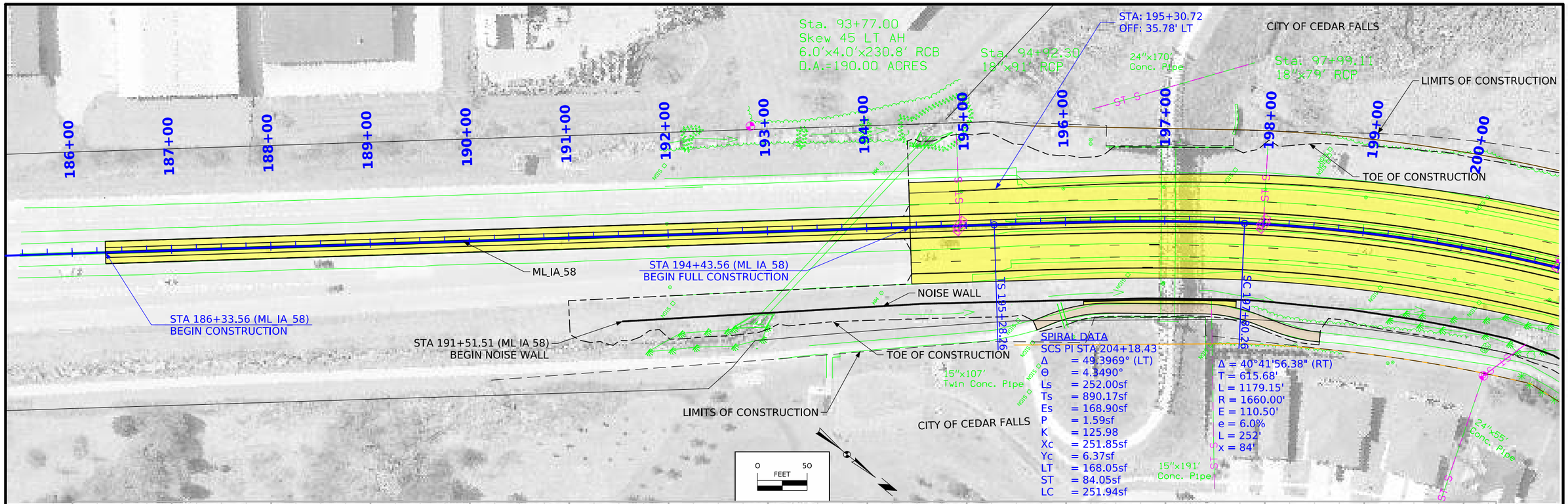
- Proposed Right-of-Way
- Existing Right of Way
- Existing and Proposed Right-of-Way
- Easement and Existing Right-of-Way
- Easement (Temporary)
- Easement
- C/A Access Control
- Property Line

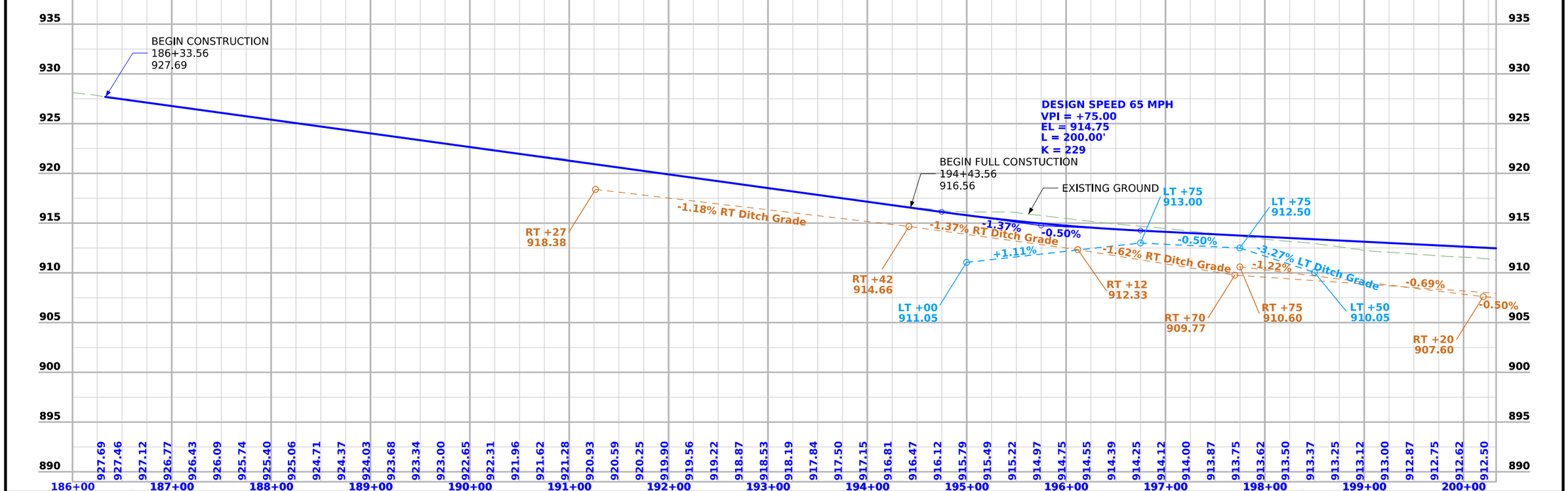
PLAN AND PROFILE LEGEND AND SYMBOL INFORMATION SHEET

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

FILE NO.	ENGLISH	DESIGN TEAM **AECOM**	**BLACK HAWK** COUNTY	PROJECT NUMBER **NHSX-058-1(097)--3H-07**	SHEET NUMBER **D.1**

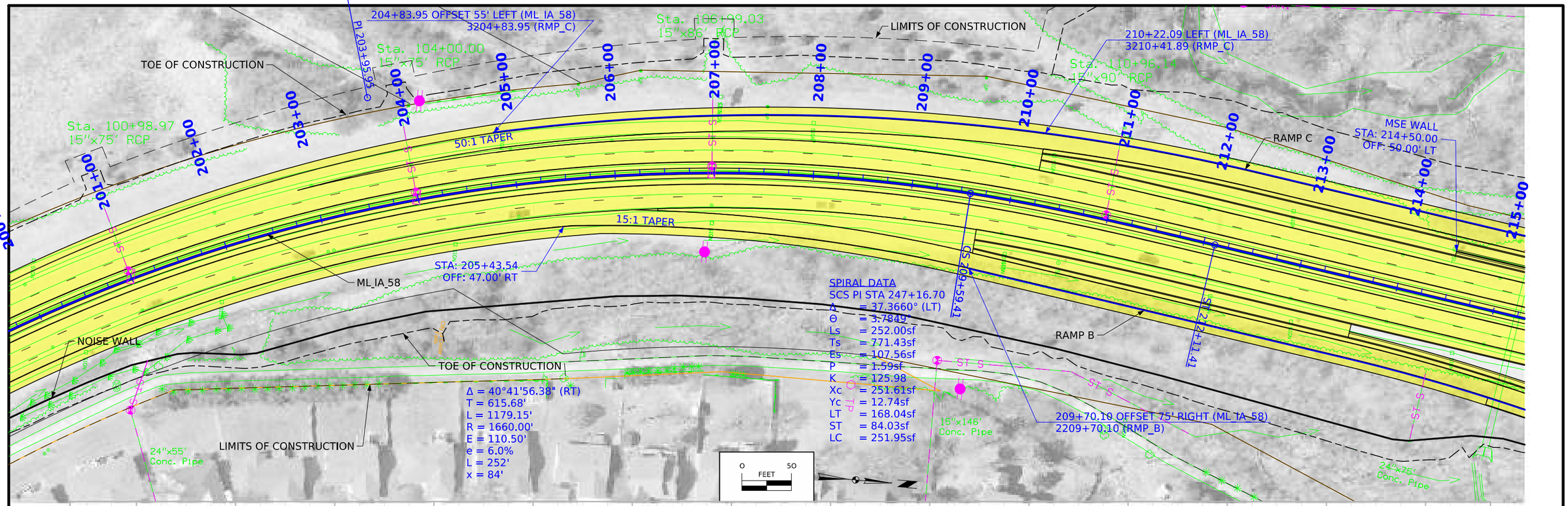
11:30:51 AM 7/21/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Legend_Sheet.dgn





FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER D.2

11:31:10 AM 7/21/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\D02_0705809Z05.dgn



FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER D.3

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Sta. 115+25.00
6.0'x4.0'x201.00' RCB
D.A.=100.00 ACRES

223+55.55 (ML_IA_58)
21+91.23 (SR_GREENHILL)

Sta. 9081+85.34
15"x146' RCP

STATE OF IOWA
UNIVERSITY OF NORTHERN IOWA

RAMP A

RAMP C

ML_IA_58

MSE WALL
STA: 227+60.66
OFF: 50.00' LT

MSE WALL
STA: 219+72.24
OFF: 50.00' RT

RAMP D

24"x75'
Conc. Pipe

TOE OF CONSTRUCTION

NOISE WALL

RAMP B

LIMITS OF CONSTRUCTION

176'-0 x 100'-0 BRIDGE

Sta. 9085+66.28
30"x261' RCP

GREENHILL RD

TOE OF CONSTRUCTION

LIMITS OF CONSTRUCTION

0 FEET 50

EXISTING GROUND

-0.50%

FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER D.4

11:31:18 AM 7/21/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\D02_0705809Z05.dgn

Sta. 132+39.00
Skew 15 RT AH
10.0'x10.0'x139.0' RCB
D.A.=8 SQ. MI.

RAMP A

235+59.95 OFFSET 75' LEFT (ML_IA_58)
1235+59.95 (RMP_A)

Sta. 139+10.00
6.0'x4.0'x134.00' RCB
D.A.=38 ACRES

STATE OF IOWA
UNIVERSITY OF NORTHERN IOWA

Sta. 140+49.14
15"x79' RCP

LIMITS OF CONSTRUCTION
TOE OF CONSTRUCTION
STA: 241+58.88
OFF: 35.00' LT

Sta. 15"x

229+00 230+00 231+00 232+00 233+00 234+00 235+00 236+00 237+00 238+00 239+00 240+00 241+00 242+00 243+00

15:1 TAPER

ML_IA_58

50:1 TAPER

TS 239+45.27

SC 241+97.27

239+45.45 OFFSET 55' RIGHT (ML_IA_58)
4239+47.21 (RMP_D)

SPIRAL DATA
SCS PI STA 247+16.71
Δ = 37.3660° (LT)
Θ = 3.7849°
Ls = 252.00sf
Ts = 771.43sf
Es = 107.56sf
P = 1.59sf
K = 125.98sf
Xc = 251.61sf
Yc = 12.74sf
LT = 168.04sf
ST = 84.03sf
LC = 251.95sf

Δ = 29°47'46.33" (RT)
T = 507.45'
L = 991.92'
R = 1907.38'
E = 66.35'
e = 6.0%
L = 252'
x = 84'

MSE WALL
STA: 231+98.10
OFF: 50.00' RT

RAMP D

STA 234+29.51 RIGHT (ML_IA_58)
= STA 4234+30.95 (RMP_D)

LIMITS OF CONSTRUCTION
TOE OF CONSTRUCTION

48"x106.8'
Conc. Pipe

0 50
FEET

STATE OF IOWA
UNIVERSITY OF NORTHERN IOWA

VPI = +75.00
EL = 894.25
L = 200.00'
K = 197
DESIGN SPEED 65 MPH

EXISTING GROUND

-0.50% +0.52%

-0.50% LT Ditch Grade

+0.40% LT Ditch Grade

LT +41
888.82

LT +08
887.00

LT +08
887.40

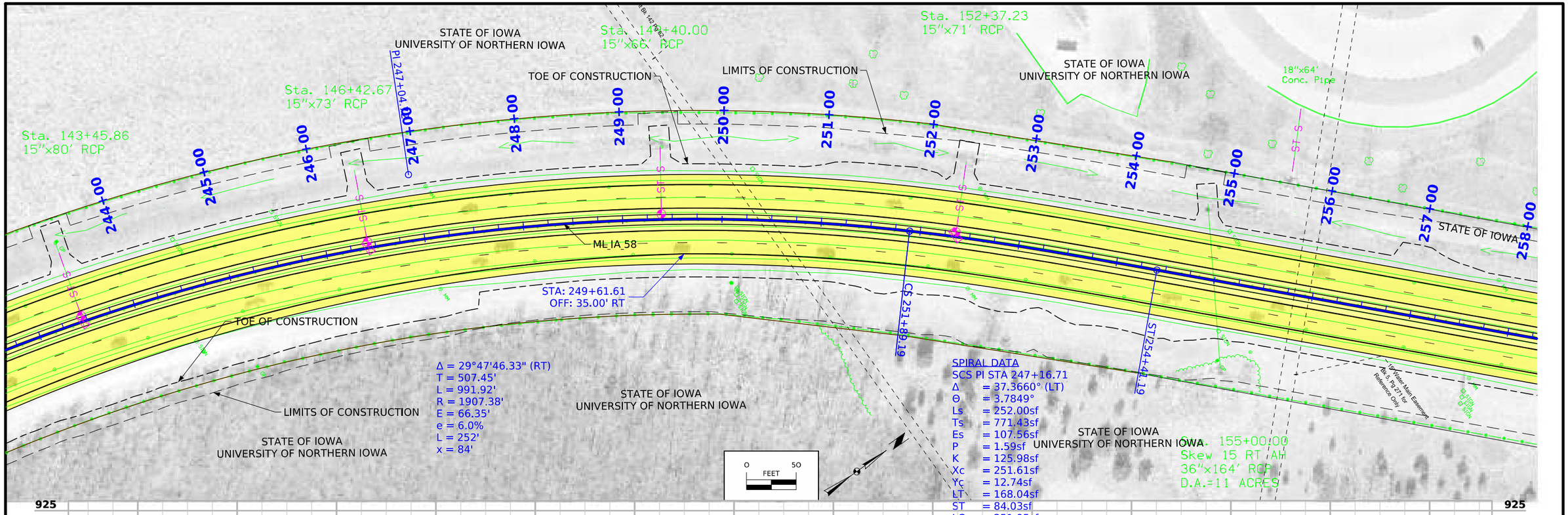
920 915 910 905 900 895 890 885 880 875

898.12 898.00 897.87 897.75 897.62 897.50 897.37 897.25 897.12 897.00 896.87 896.75 896.62 896.50 896.37 896.25 896.12 896.00 895.87 895.75 895.62 895.50 895.37 895.25 895.12 895.00 894.87 894.75 894.64 894.56 894.52 894.50 894.52 894.57 894.65 894.77 894.90 895.02 895.15 895.28 895.41 895.54 895.67 895.80 895.93 896.06 896.19 896.32 896.44 896.57 896.70 896.83 896.96 897.09 897.22 897.35 897.48 897.61

229+00 230+00 231+00 232+00 233+00 234+00 235+00 236+00 237+00 238+00 239+00 240+00 241+00 242+00 243+00

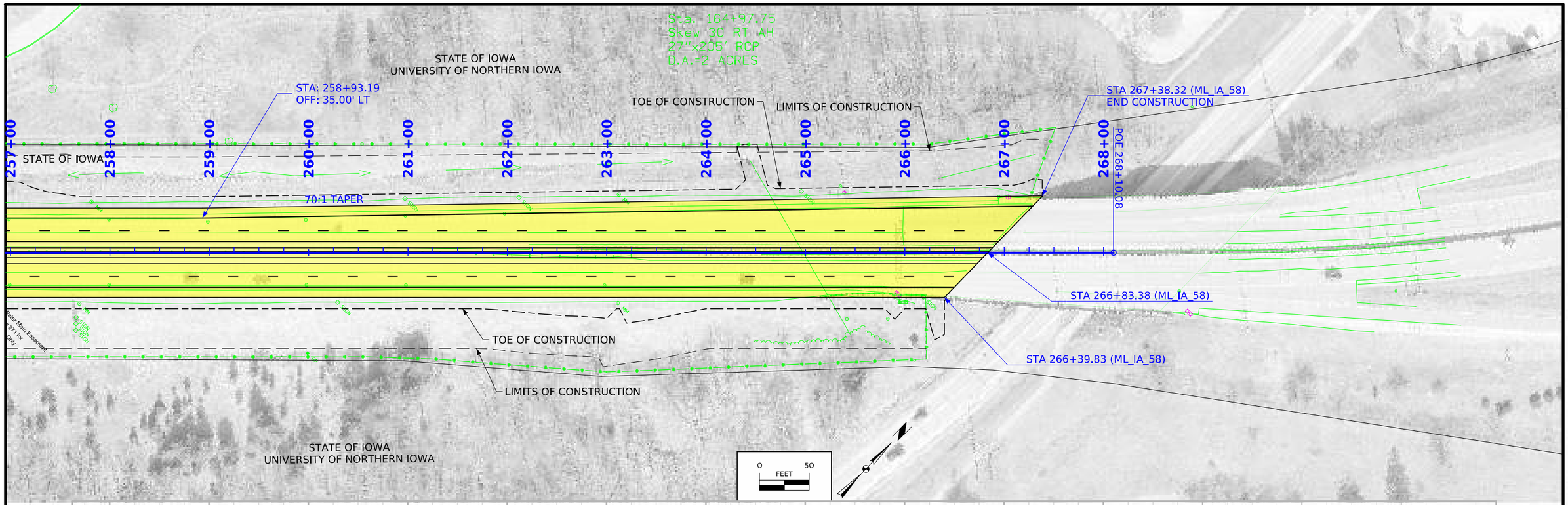
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER D.5

11:31:23 AM 7/21/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\D02_0705809Z05.dgn



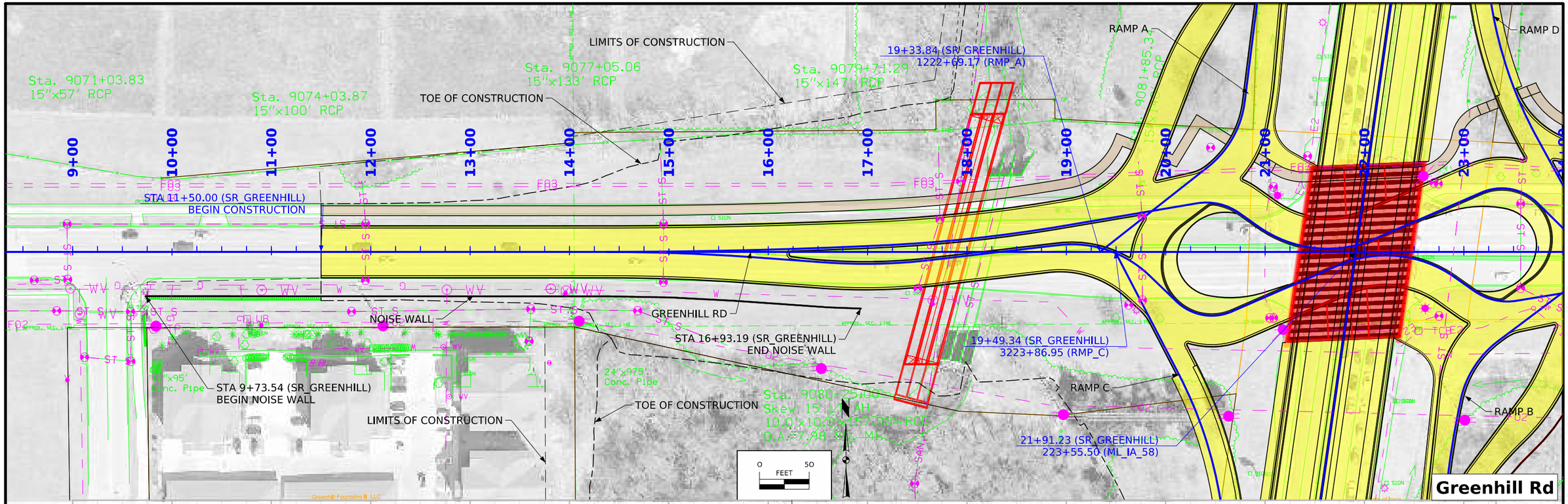
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER D.6

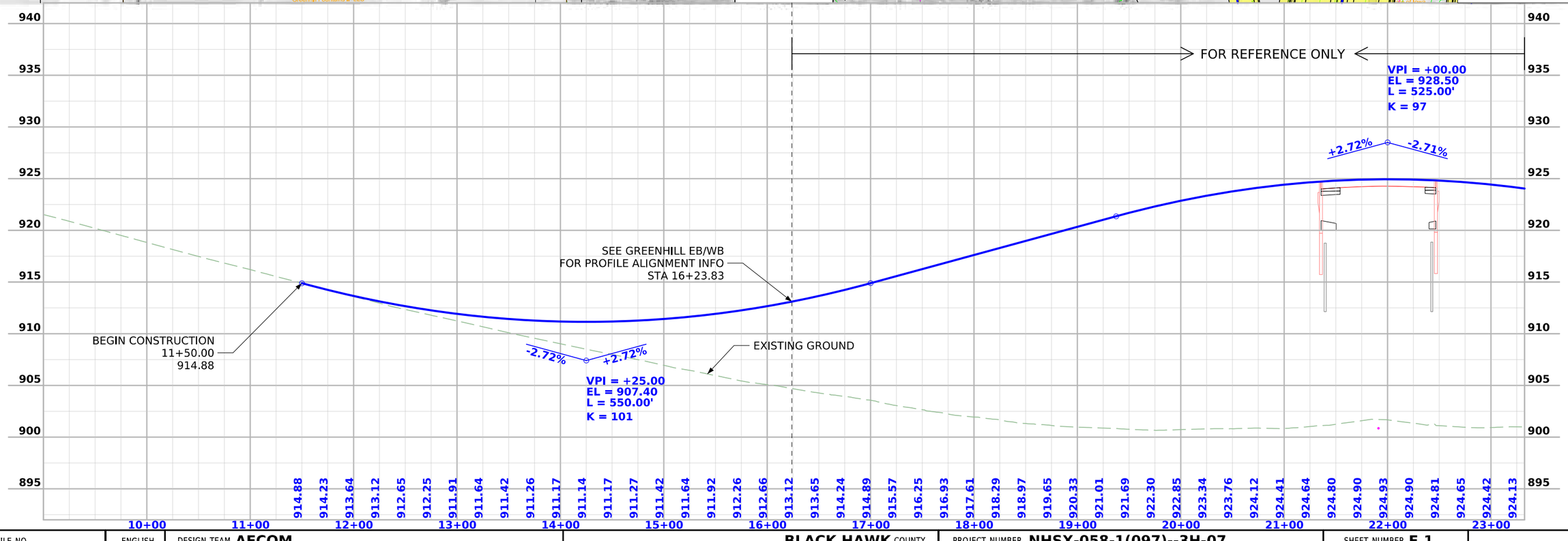
9:56:50 AM 5/28/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\D02_0705809Z05.dgn



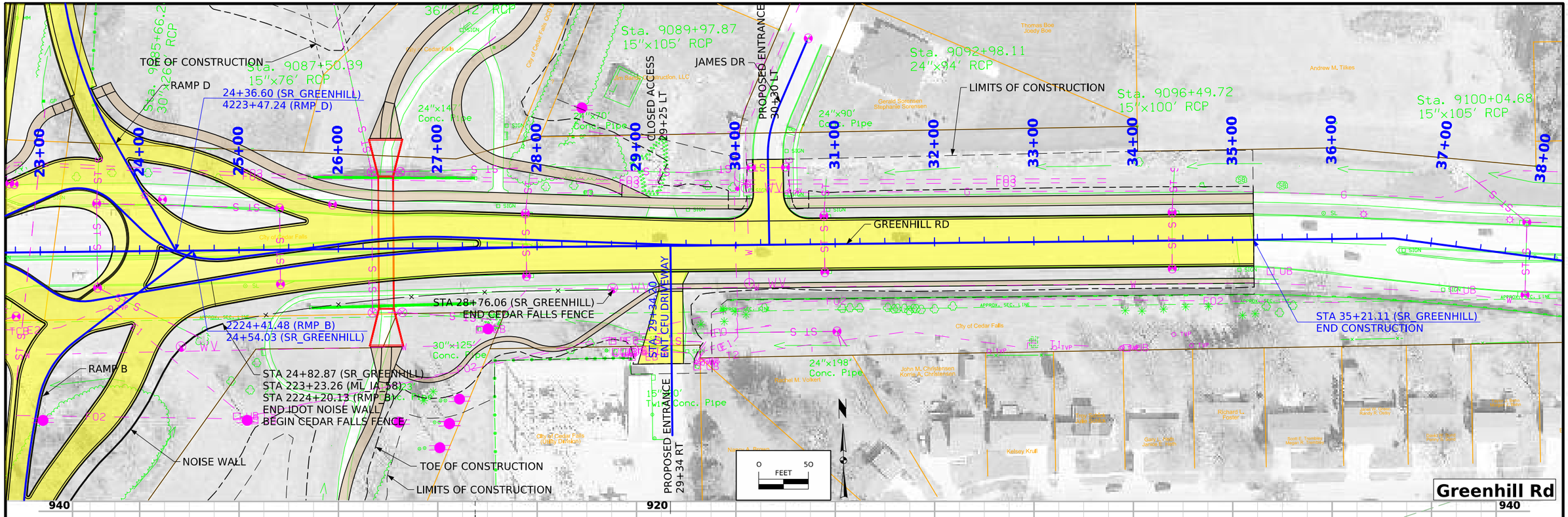
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER D.7

11:31:27 AM 7/21/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\D02_0705809Z05.dgn





FILE NO.	ENGLISH	DESIGN TEAM **AECOM**	**BLACK HAWK** COUNTY	PROJECT NUMBER **NHSX-058-1(097)--3H-07**	SHEET NUMBER **E.1**



FILE NO.	ENGLISH	DESIGN TEAM **AECOM**	**BLACK HAWK** COUNTY	PROJECT NUMBER **NHSX-058-1(097)--3H-07**	SHEET NUMBER **E.2**

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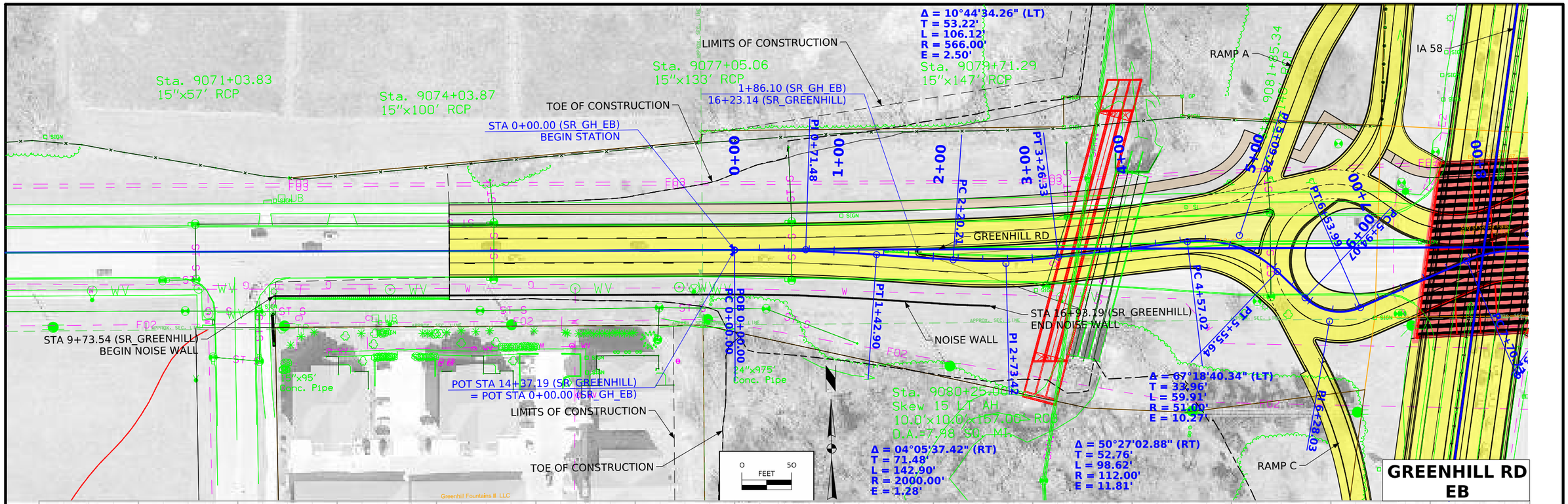

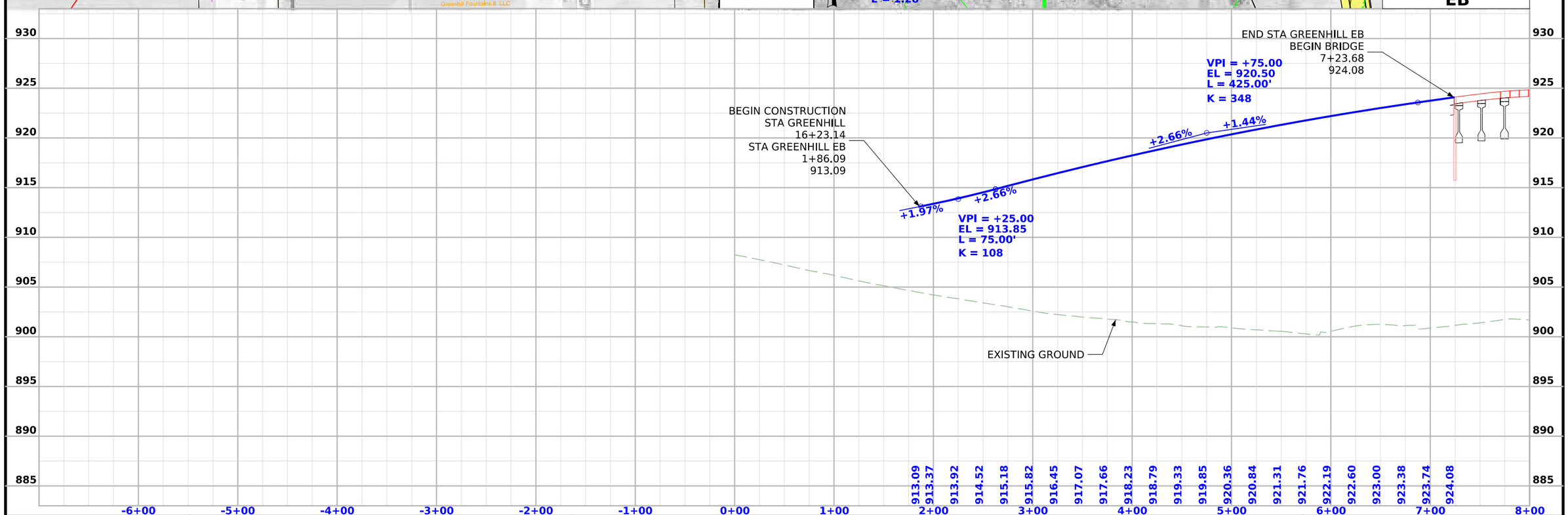

FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER E.3

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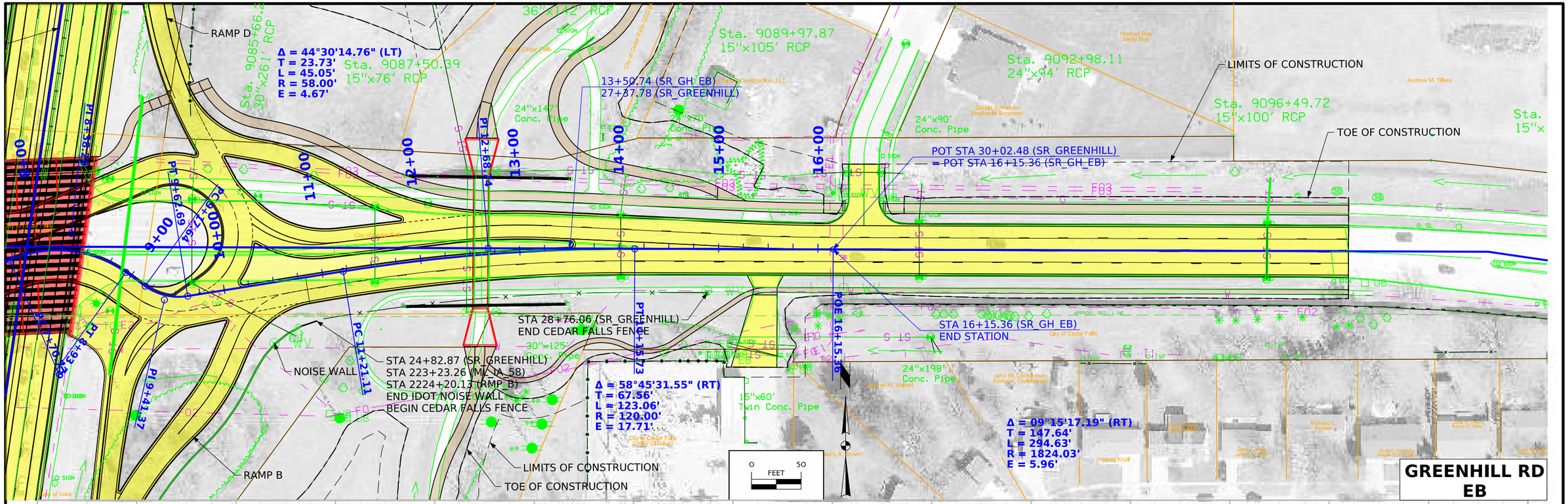
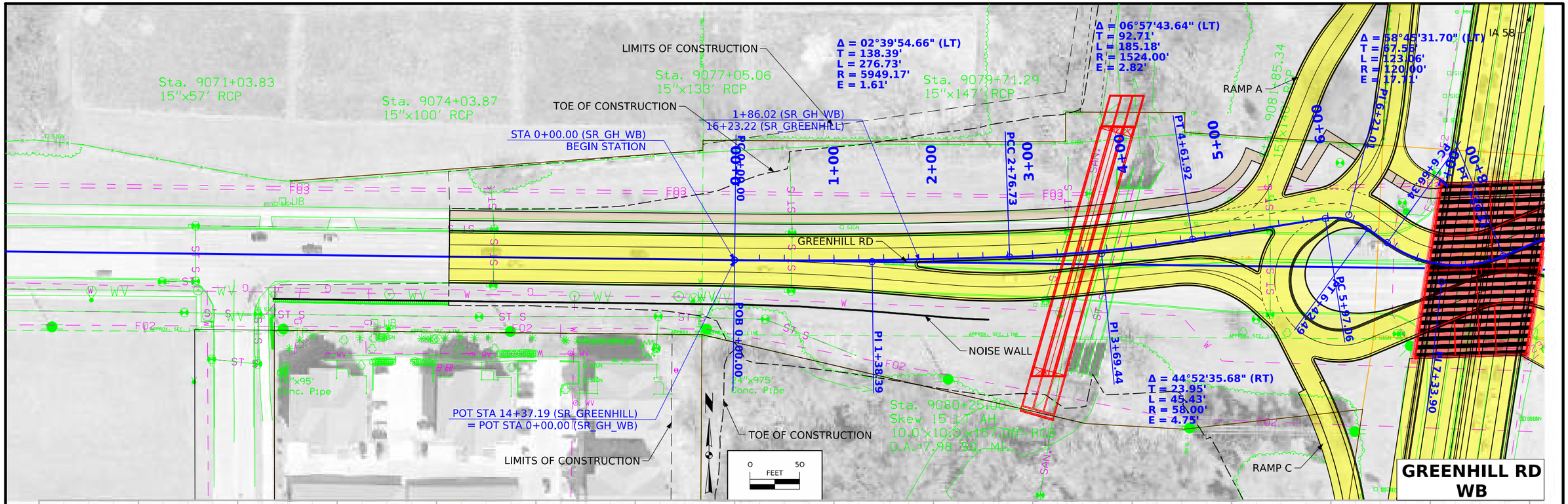
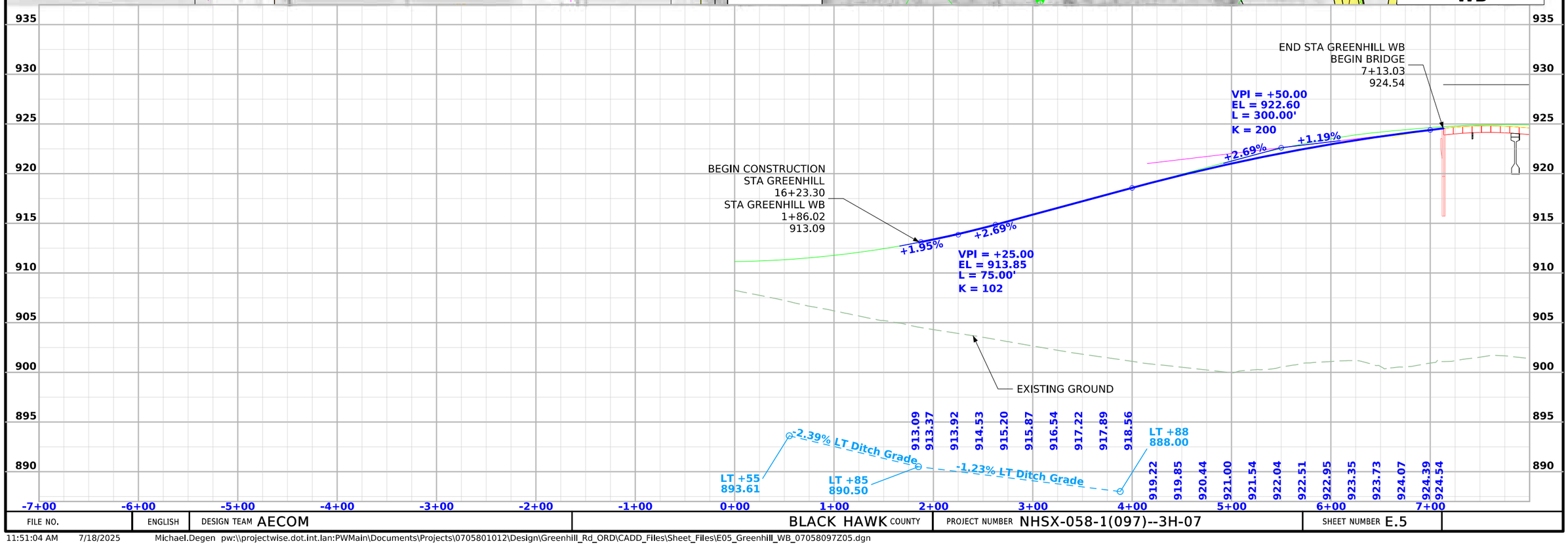


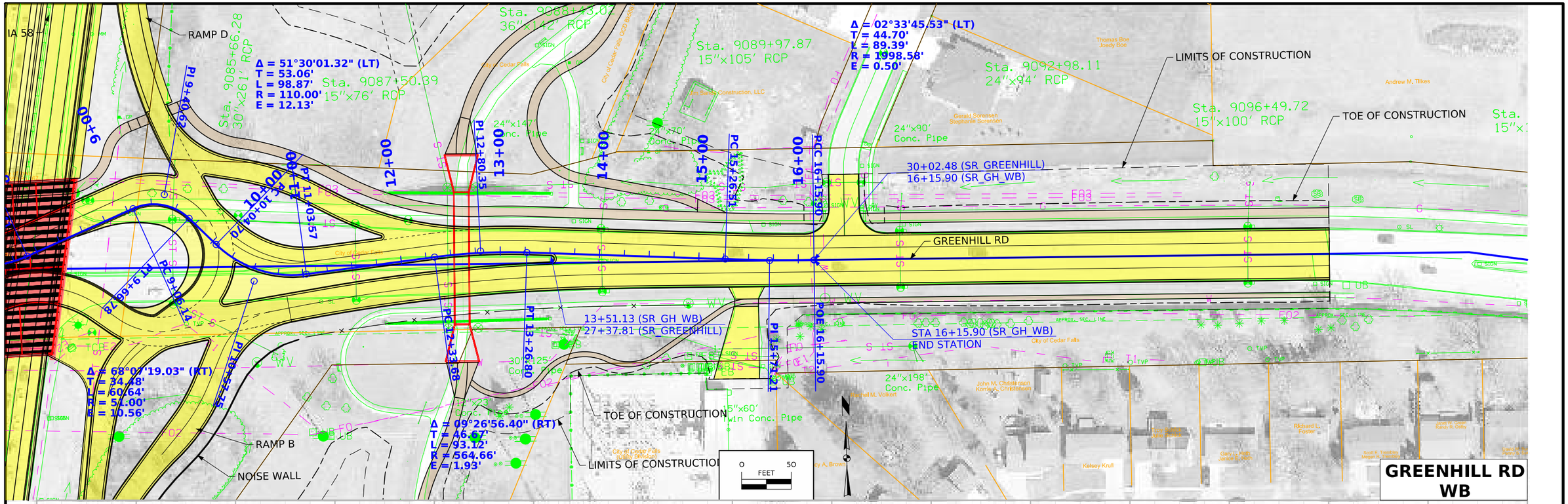
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER E.4

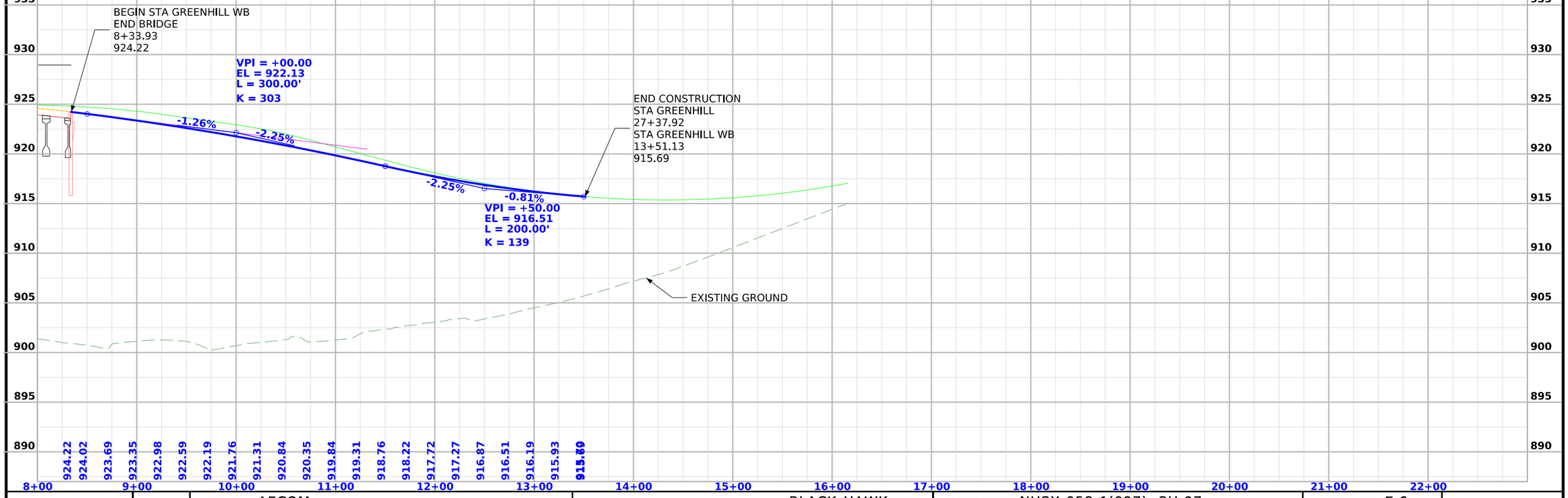
11:50:54 AM 7/18/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\E03_Greenhill_EB_07058097Z05.dgn





FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER E.5





FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER E.6

LIMITS OF CONSTRUCTION

STATE OF IOWA
UNIVERSITY OF NORTHERN IOWA

LIMITS OF CONSTRUCTION
Δ = 59°13'33.31" (LT)
T = 49.73'
L = 90.45'
R = 87.50'
E = 13.15'

Δ = 18°08'41.56" (RT)
T = 40.32'
L = 79.96'
R = 252.50'
E = 3.20'

POT STA 0+00.00 (WB RIGHT TURN LANE)
= POT STA 4225+32.31 (RMP_D)

TOE OF CONSTRUCTION

Δ = 29°18'42.17" (LT)
T = 77.80'
L = 152.20'
R = 297.50'
E = 10.01'

POT STA 3+55.06 (WB RIGHT TURN LANE)
= POT STA 26+71.81 (SR_GREENHILL)

JAMES DRIVE

Jeffrey Thomas Krall
Haley Marie Krall

City of Cedar Falls Quad Bridge Project

Jim Sorensen Construction, LLC

Gerald Sorensen
Stephanie Sorensen

Sta. 9088+43.02
36"x112' RCP

Sta. 9089+97.87
15"x105' RCP

Sta. 9092+
24"x94' RCP

Sta. 9081+85.34
15"x76' RCP

Sta. 9087+50.39
15"x76' RCP

Sta. 9085+66.28
30"x26' RCP

24"x147'
Conc. Pipe

24"x70'
Conc. Pipe

24"x90'
Conc. Pipe

30"x125'
Conc. Pipe

PC 0+00.00
PI 1+00
PC 2+02.86
PI 1+37.77
PC 3+55.06
PI 0+49.73
PI 1+27.47
PI 2+08.66

BOB 0+00.00

0 50 FEET

GREENHILL WB BYPASS

VPI = +50.00
EL = 921.90
L = 100.00'
K = 19

BEGIN STA: 0+00.00
ELV: 920.69

+2.42%
-2.80%
-2.80%
-1.20%

VPI = +00.00
EL = 917.70
L = 150.00'
K = 94

END STA: 3+55.06
ELV: 915.84

EXISTING GROUND

+0.91% LT Ditch Grade

LT +00
889.71

LT +79
892.25

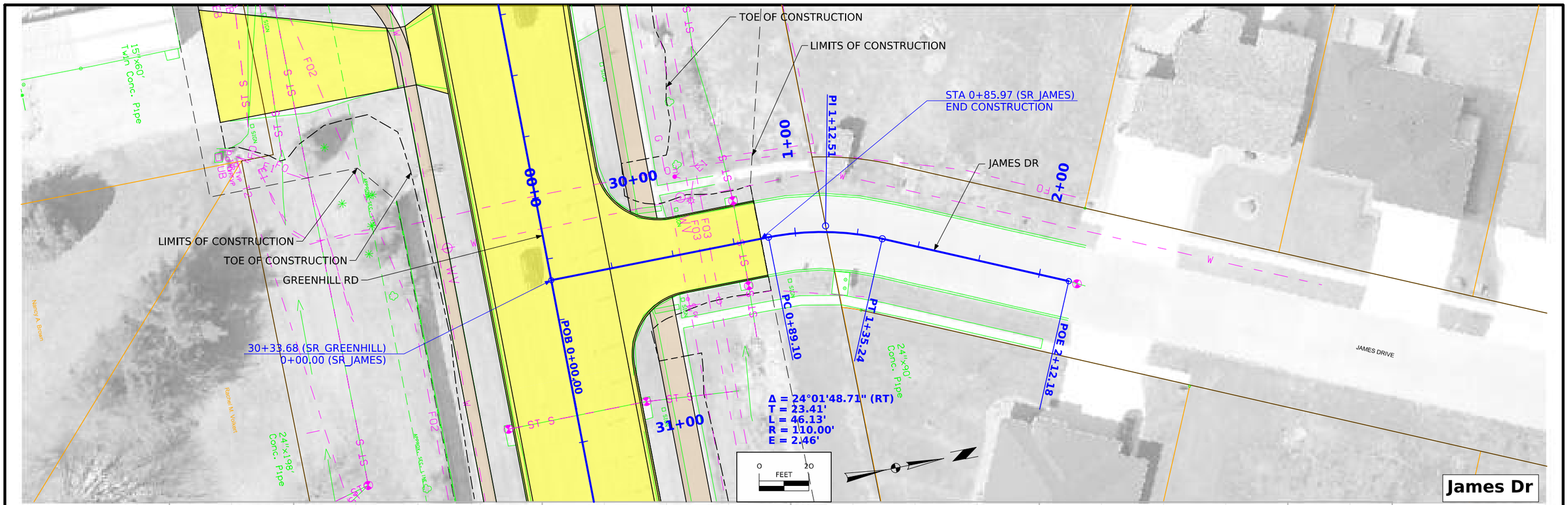
920.69 921.13 921.25 921.04 920.50 919.80 919.13 918.53 918.00 917.53 917.13 916.80 916.50 916.20 915.90

930 925 920 915 910 905 900 895 890 885

-6+00 -5+00 -4+00 -3+00 -2+00 -1+00 0+00 1+00 2+00 3+00 4+00 5+00 6+00 7+00 8+00 9+00

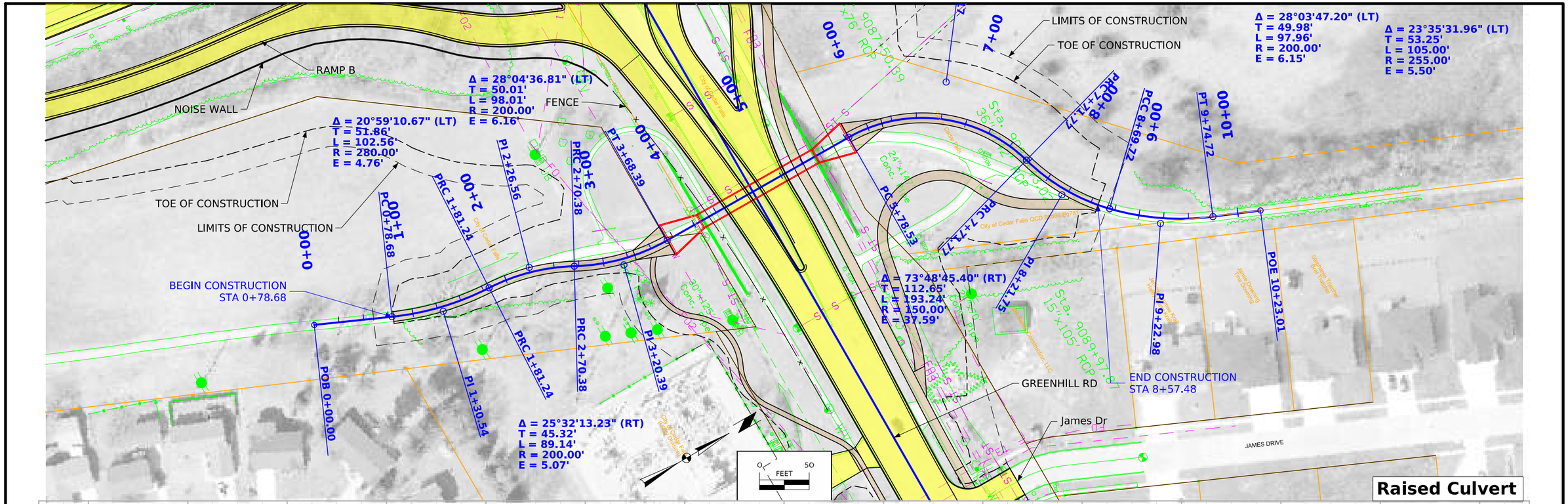
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER E.7

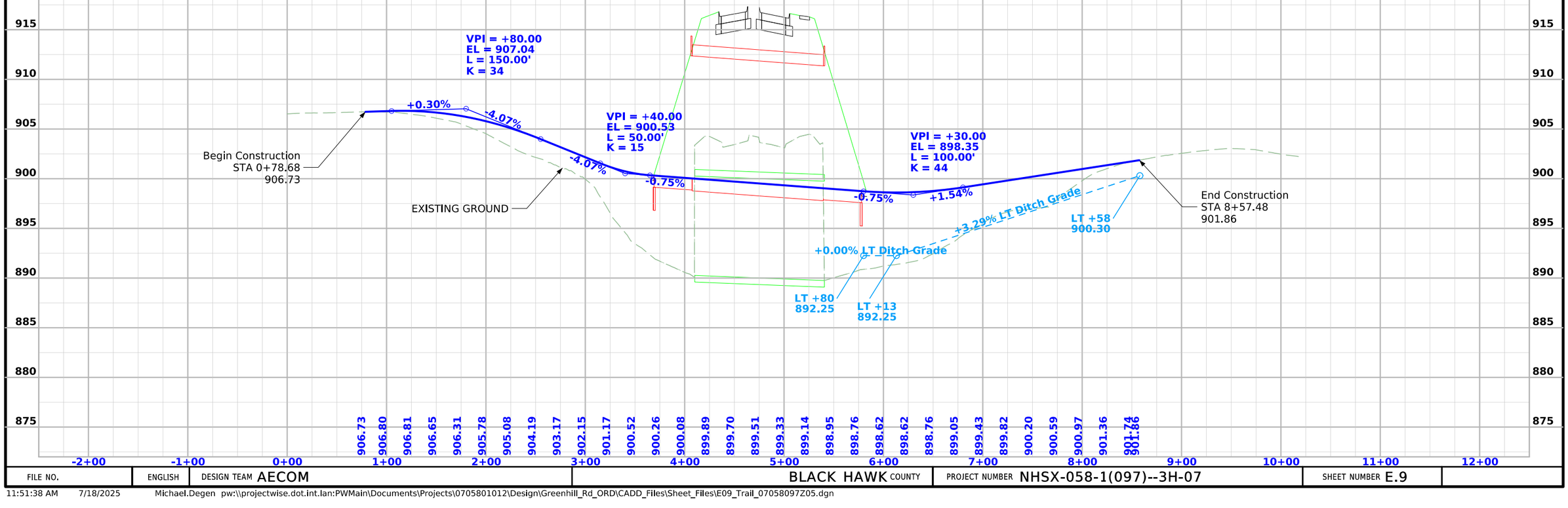
11:51:18 AM 7/18/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\E07_Greenhill_WB_Bypass_07058097Z05.dgn



FILE NO.	ENGLISH	DESIGN TEAM **AECOM**	**BLACK HAWK** COUNTY	PROJECT NUMBER **NHSX-058-1(097)--3H-07**	SHEET NUMBER **E.8**

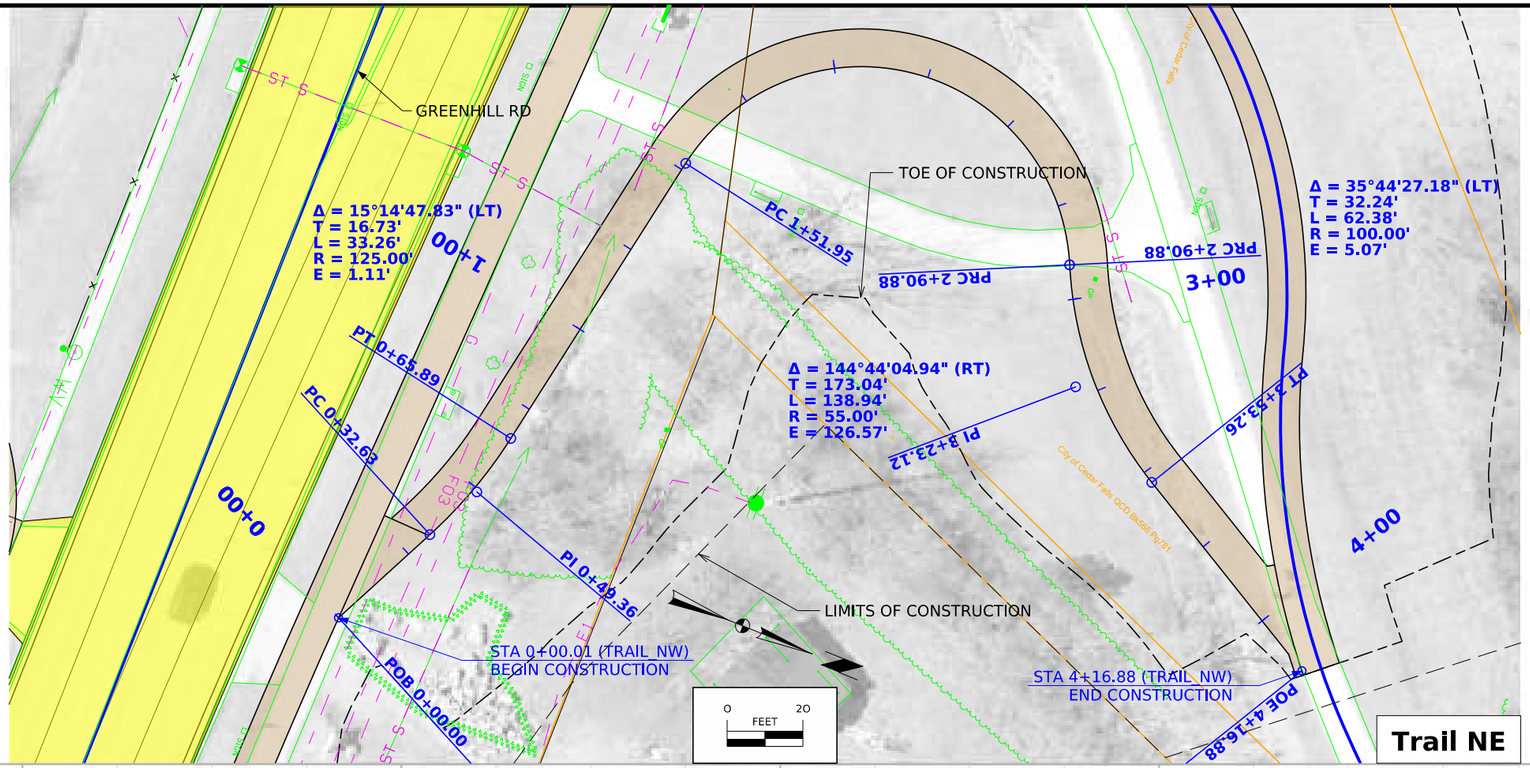
11:51:27 AM 7/18/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\E08_James_07058097Z05.dgn

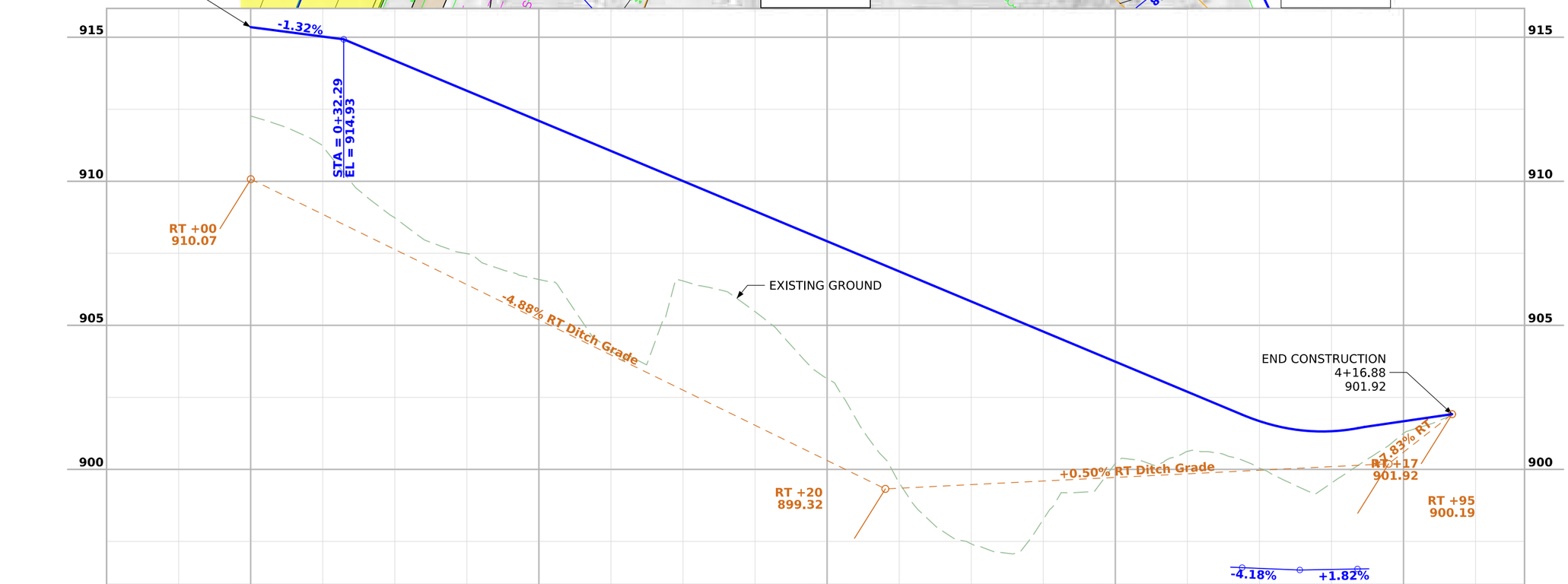




FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER E.9

11:51:38 AM 7/18/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\E09_Trail_07058097Z05.dgn

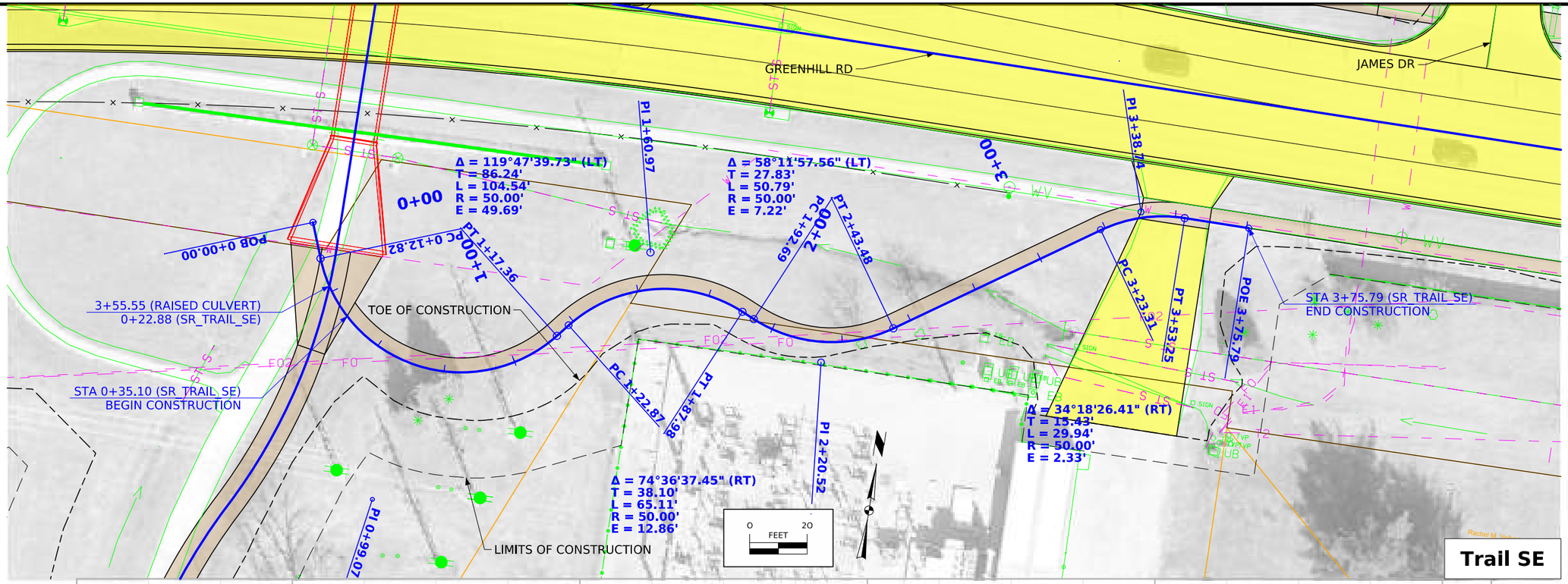


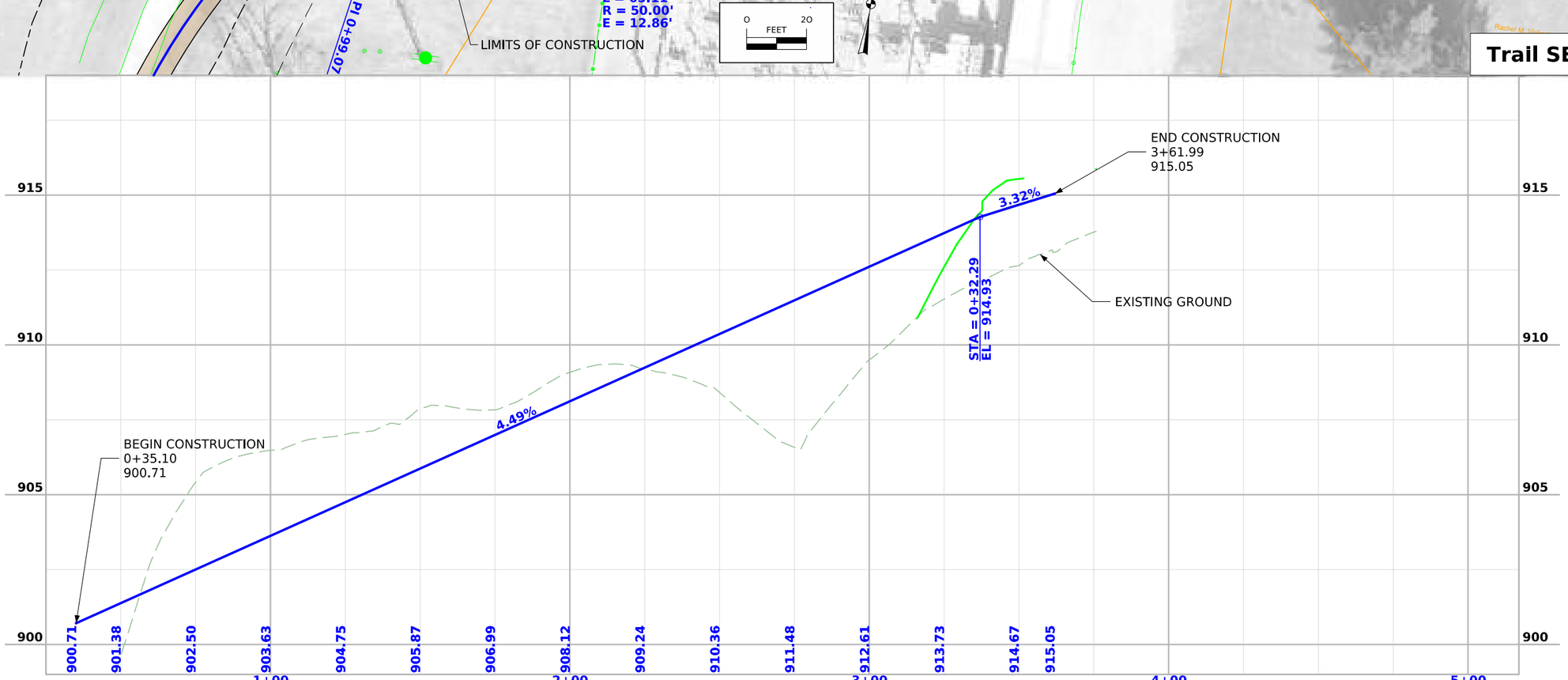


FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07		SHEET NUMBER E.10

11:51:51 AM 7/18/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\E10_Trail _NE_07058097Z05.dgn

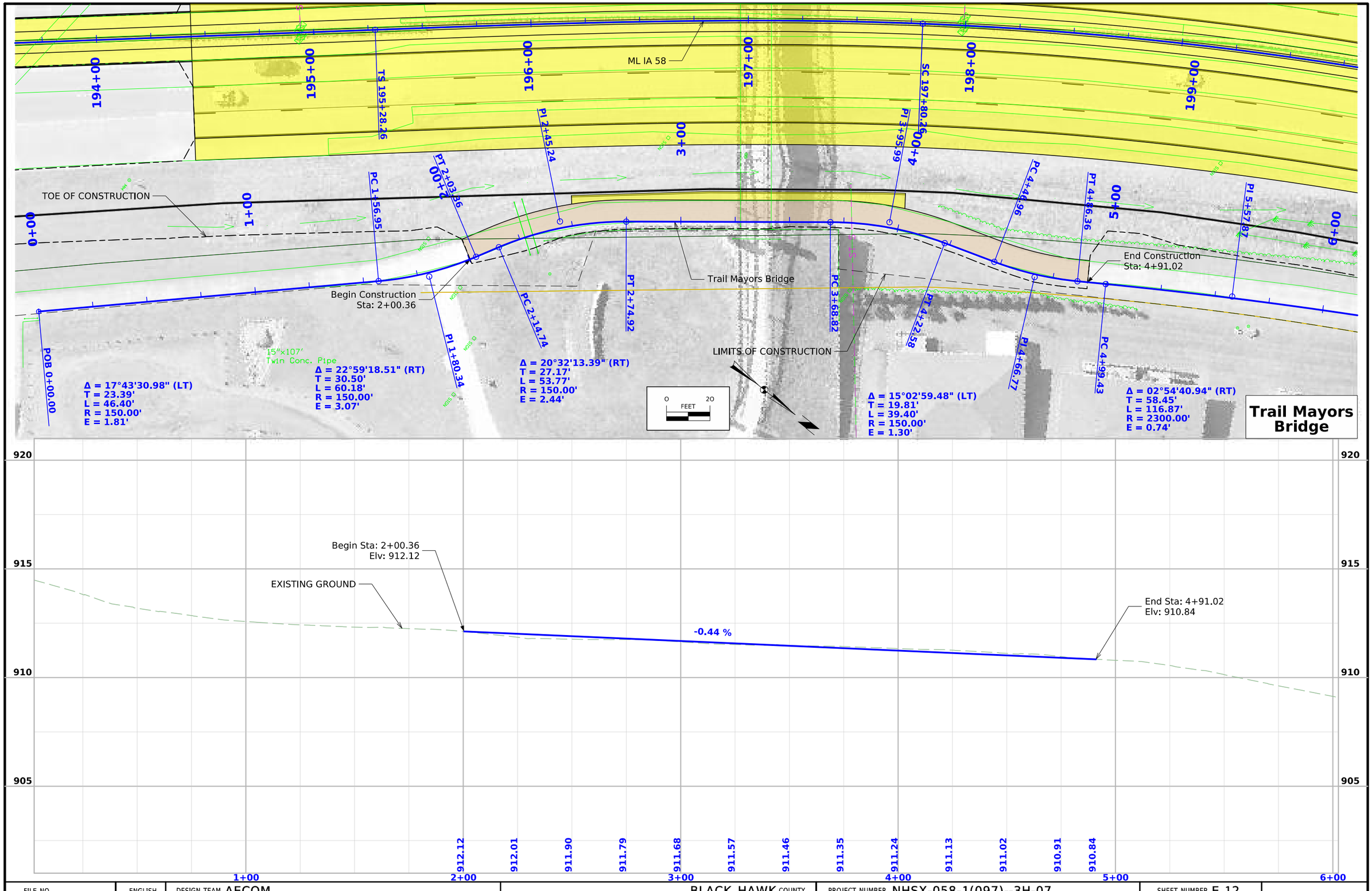
Trail_NW - Profile 1





FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER E.11

11:52:01 AM 7/18/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\E11_Trail _SE_07058097Z05.dgn



FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER E.12

11:52:11 AM 7/18/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\E12_Trail_Mayors_Bridge_07058097Z05.dgn

SURVEY INDEX

County: Black Hawk
PIN: 12-07-058-010
Project Number: NHSX-058-1(97)—3H-07
Location: Hwy 58 and Greenhill Rd
Type of Work: Project Control
Project Directory: 0705801012

Survey Personnel

Michael Fagle – Survey Party Chief
Aaron Mueller – Assistant Survey Party Chief
Ethan Nicholas – Assistant Survey Party Chief

Date(s) of Survey

Begin Date	01/09/2023
End Date	03/17/2023

General Information

This survey is for Hwy 58/27 and Greenhill Rd reconstruction. This survey request was for the Hwy 58/27 and Greenhill Rd corridors. This project is a Full Field DTM survey.

Utility Information

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

Project Control

Coordinates were determined for primary project control points by conducting one concurrent six-hour static observation. Post processing is constrained to nearby Iowa Real Time Network reference stations. For additional details of the control survey, contact the Preliminary Survey department.

PROJECT DATUM: NAD83(2011) EPOCH 2010.00
VERTICAL DATUM: NAVD88
COORDINATE SYSTEM: IOWA REGIONAL COORDINATE SYSTEM ZONE 05
GEOID MODEL: 2018

Alignment Information

The horizontal alignment for Hwy 58/27 this survey is a retrace of As-built Plans No. IX-58-1(15)—3P-07. Survey stationing was equated to the plan POT at Sta. 123+56.68 and run back and ahead without equation throughout the survey.

Survey stationing relates to as built plan stationing as follows:

TS Sta. 95+43.30 As-built Plans Project No. IX-58-1(15)—3P-07
Survey TS Sta. 95+42.83

SC Sta. 97+83.30 As-built Plans Project No. IX-58-1(15)—3P-07
Survey SC Sta. 97+82.83

PI Sta. 103+95.37 As-built Plans Project No. IX-58-1(15)—3P-07
Survey PI Sta. 103+94.90

CS Sta. 109+54.76 As-built Plans Project No. IX-58-1(15)—3P-07
Survey CS Sta. 109+54.28

ST Sta. 111+94.76 As-built Plans Project No. IX-58-1(15)—3P-07
Survey CS Sta. 111+94.28

POT Sta. 123+56.68 As-built Plans Project No. IX-58-1(15)—3P-07
Survey POT Sta. 123+56.68

TS Sta. 139+53.52 As-built Plans Project No. IX-58-1(15)—3P-07
Survey TS Sta. 139+53.05

SC Sta. 141+93.52 As-built Plans Project No. IX-58-1(15)—3P-07
Survey SC Sta. 141+93.05

PI Sta. 147+08.53 As-built Plans Project No. IX-58-1(15)—3P-07
Survey PI Sta. 147+08.06

CS Sta. 151+99.61 As-built Plans Project No. IX-58-1(15)—3P-07
Survey CS Sta. 151+99.14

ST Sta. 154+39.61 As-built Plans Project No. IX-58-1(15)—3P-07
Survey TS Sta. 154+39.14

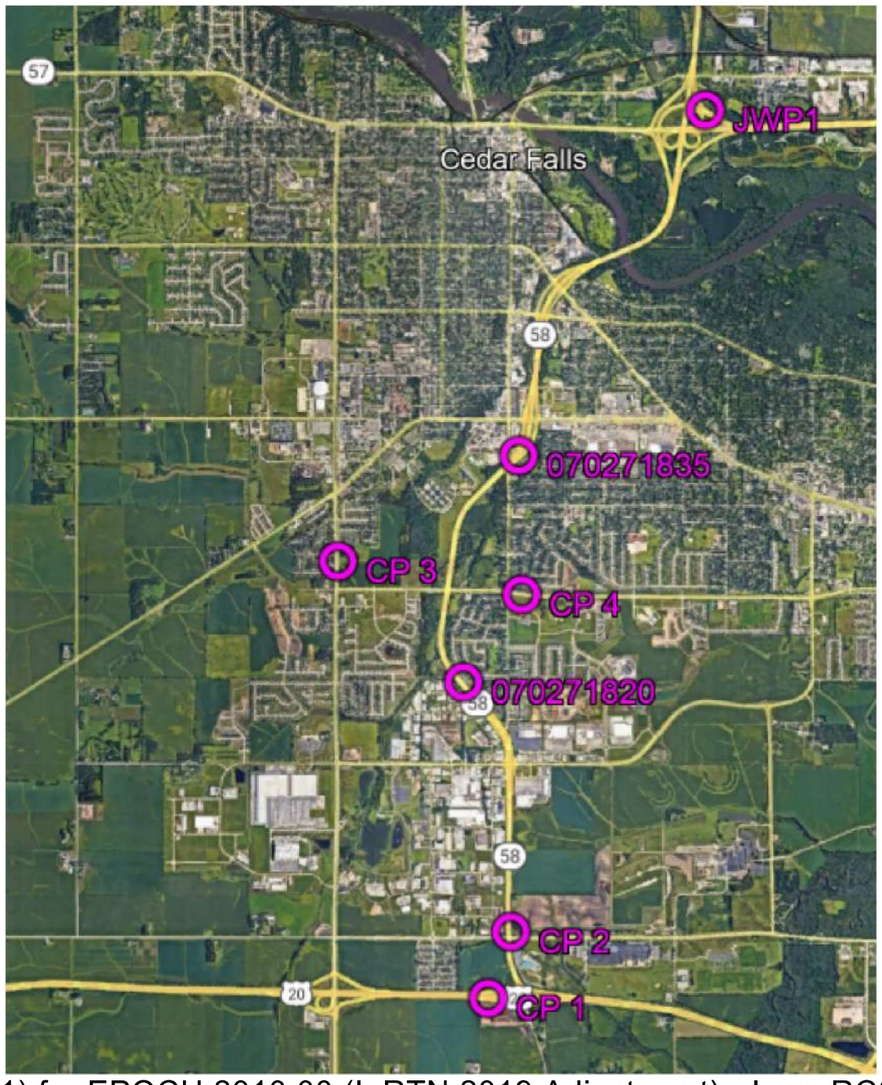
The horizontal alignment for Greenhill Rd this survey is a retrace of As-built Plans No. X-6560(4)—79-07 and follows section line. Survey stationing was equated to the As-built Plans No. X-6560(4)—79-07 PI at Sta. 84+00.77 and run back and ahead with equation from As-Built Plans No. IX-58-1(15)—3P-07 of 84+00.77 = 9084+00.77 throughout the survey.

Survey stationing relates to as-built plan stationing as follows:

POT Sta. 84+00.77 As-built Plans Project No. X-6560(4)—79-07 = POT Sta. 9084+00.77 As-built Plans Project IX-58-1(15)—3P-07

CONTROL POINT VICINITY MAP

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



HORIZ. DATUM: NAD83(2011) for EPOCH 2010.00 (IaRTN 2019 Adjustment) - Iowa RCS Zone 05 (U.S. Survey Foot)

VERT. DATUM: NAVD88 - Geoid Model: 2018u3

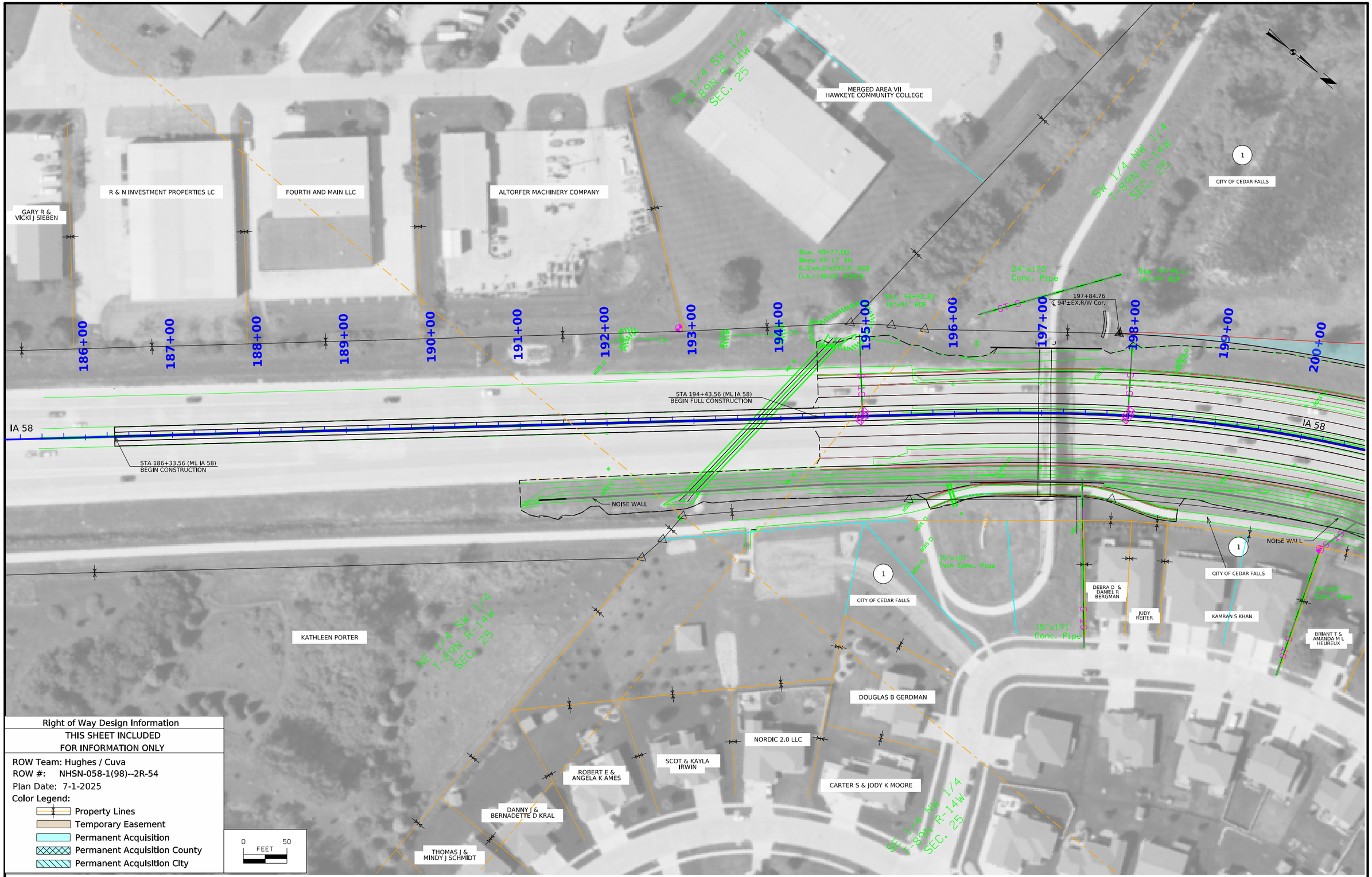
Coordinate listing from next sheet will be used with IaRTN for monument recovery. No other reference ties are given.

HORIZONTAL AND VERTICAL PROJECT CONTROL COORDINATE LISTING

HORIZ. DATUM: NAD83(2011) for EPOCH 2010.00 (IaRTN 2019 Adjustment)
Ia. Regional Coordinate System Zone 05 (U.S. Survey Foot)

VERT. DATUM: NAVD88
Geoid Model: 2018u3

Point Name	Northing	Easting	Elevation	Code Description
CP1	8832416.71	15446592.17	945.94	CP FND FENO MONUMENT IN EAST BOUND INFIELD BETWEEN US 20 AND US 20 OFF RAMP TO IA 27/58 MONUMENT IS 75FT E OF LUMINAIRE 13FT S OF SOUTH EDGE PCC PAVED SHOULDER EAST BOUND US 20 AND 12FT N OF NORTH EDGE PAVED SHOULDER OF OFF RAMP
CP2	8834541.82	15447254.48	918.01	CP FND FENO MONUMENT 260FT N AND 95FT E OF THE INTERSECTION OF HWY 58/27 AND RIDGWAY AVE MONUMENT IS 59FT E OF EAST EDGE PAVED SHOULDER NORTH BOUND HWY 58/27 AND 7FT W OF 6IN X 6IN WOOD TRAIL MARKER POST
CP3	8845723.49	15441962.22	919.53	CP SET FENO MONUMENT 3IN DEEP AND 750FT N OF THE INTERSECTION OF GREENHILL RD AND HUDSEN RD MONUMENT IS 22FT E OF EAST BACK OF CURB ALONG HUDSEN RD 6FT E OF EAST EDGE PCC SIDEWALK AND 73FT NE OF CENTER MH TOP INTK LID
CP4	8844769.08	15447612.06	947.38	CP SET FENO MONUMENT 3IN DEEP AND 430FT E OF THE INTERSECTION OF GREENHILL RD AND S MAIN ST MONUMENT IS 9FT S OF SOUTH BACK OF CURB ALONG GREENHILL RD 2FT N OF NORTH EDGE PCC SIDEWALK AND 78FT E OF FIRE HYDRANT
JWP1	8859694.06	15453130.52	887.96	CP FND FENO MONUMENT 0.22 MI NW OF WEST BOUND HWY 57/218 IN INFIELD BETWEEN NORTH BOUND 218 RAMP AND SOUTH BOUND 58/27 RAMP 41.5FT NE OF STA STAMP 3264 AND 23FT NNE OF EDGE PCC SHOULDER AND 20FT SW OF EDGE PCC RAMP SHOULDER
70271820	8842114.96	15445805.97	917.59	CP SET FENO MONUMENT 3IN DEEP AND 0.6MILES NORTH ALONG HWY 58 FROM THE INTERSECTION OF HWY 58 AND VIKING RD MONUMENT IS 11FT SE OF SOUTHEAST EDGE PCC PAVED SHOULDER HWY 58 14FT S OF THE NEAR COR RCB HDWL AND 136FT SE OF MM 182 POST
70271835	8849013.25	15447506.23	909.79	CP SET FENO MONUMENT 3IN DEEP AND 0.9MILES NE ALONG HWY 58 FROM THE INTERSECTION OF HWY 58 AND GREENHILL RD MONUMENT IS 20FT W OF NEAR EDGE PCC RAMP 21FT E OF NEAR EDGE HMA PAVED SHOULDER HWY 58 AND 84FT N OF NEAR COR LUMINAIRE BASE



Right of Way Design Information

THIS SHEET INCLUDED
FOR INFORMATION ONLY

ROW Team: Hughes / Cuva
ROW #: NHSN-058-1(98)--2R-54
Plan Date: 7-1-2025
Color Legend:

- Property Lines
- Temporary Easement
- Permanent Acquisition
- Permanent Acquisition County
- Permanent Acquisition City

FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER H.1	

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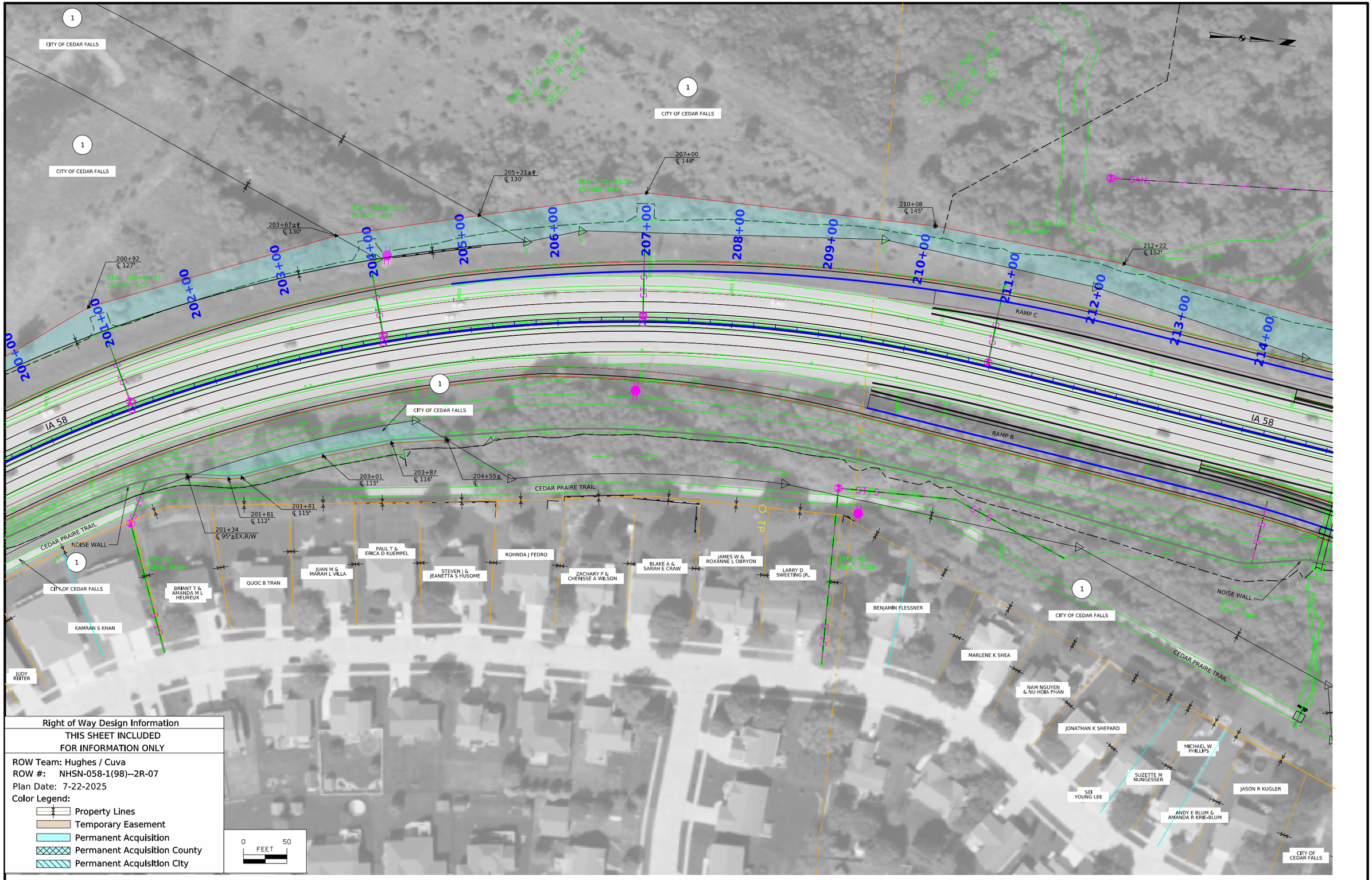

Right of Way Design Information

THIS SHEET INCLUDED FOR INFORMATION ONLY

ROW Team: Hughes / Cuva
ROW #: NHSN-058-1(98)--2R-07
Plan Date: 7-22-2025
Color Legend:

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- Temporary Easement
- Permanent Acquisition
- Permanent Acquisition County
- Permanent Acquisition City

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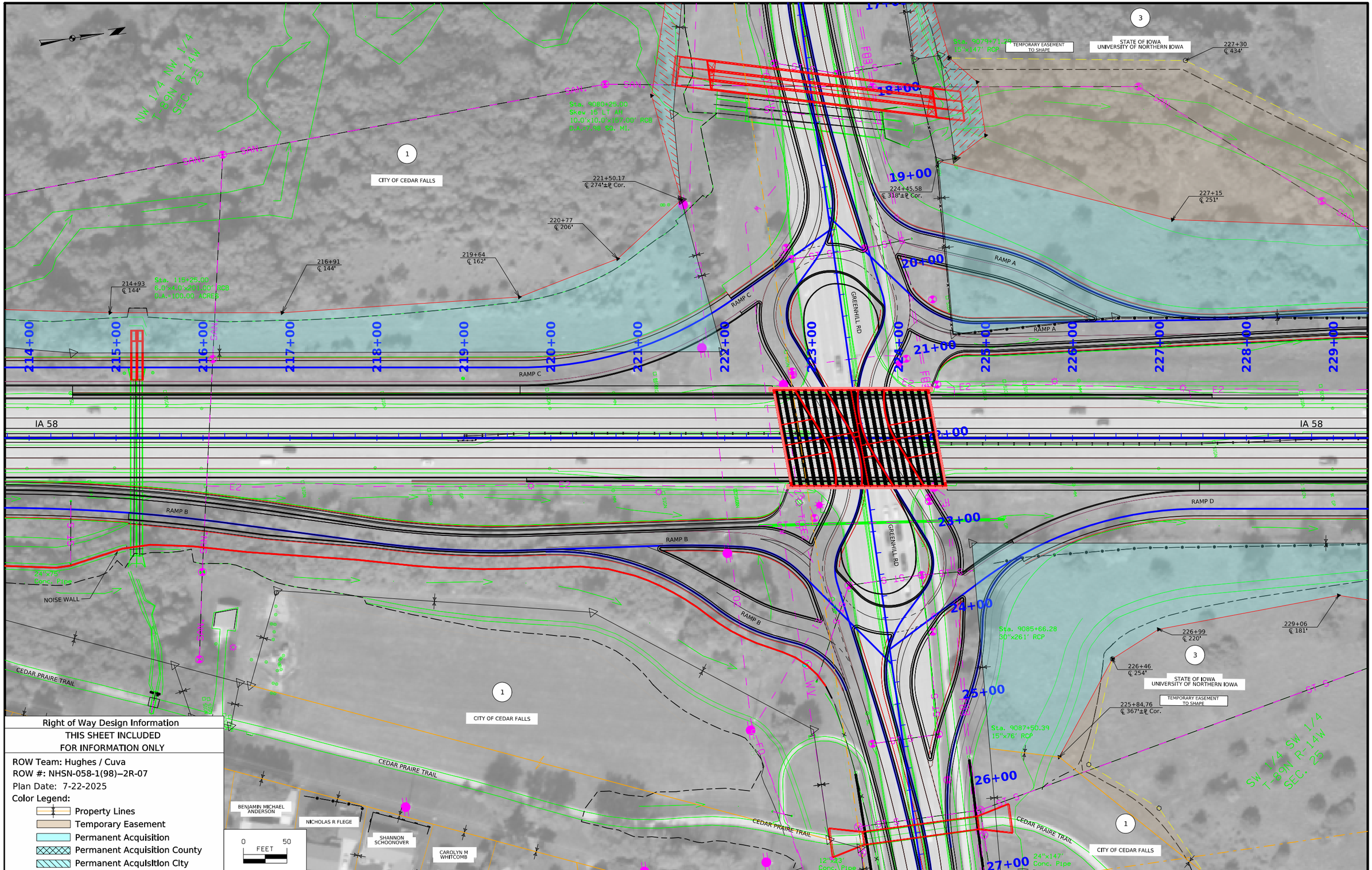

Right of Way Design Information
THIS SHEET INCLUDED FOR INFORMATION ONLY
ROW Team: Hughes / Cuva
ROW #: NHSN-058-1(98)–2R-07
Plan Date: 7-22-2025
Color Legend:
Property Lines
Temporary Easement
Permanent Acquisition
Permanent Acquisition County
Permanent Acquisition City

FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER H.3

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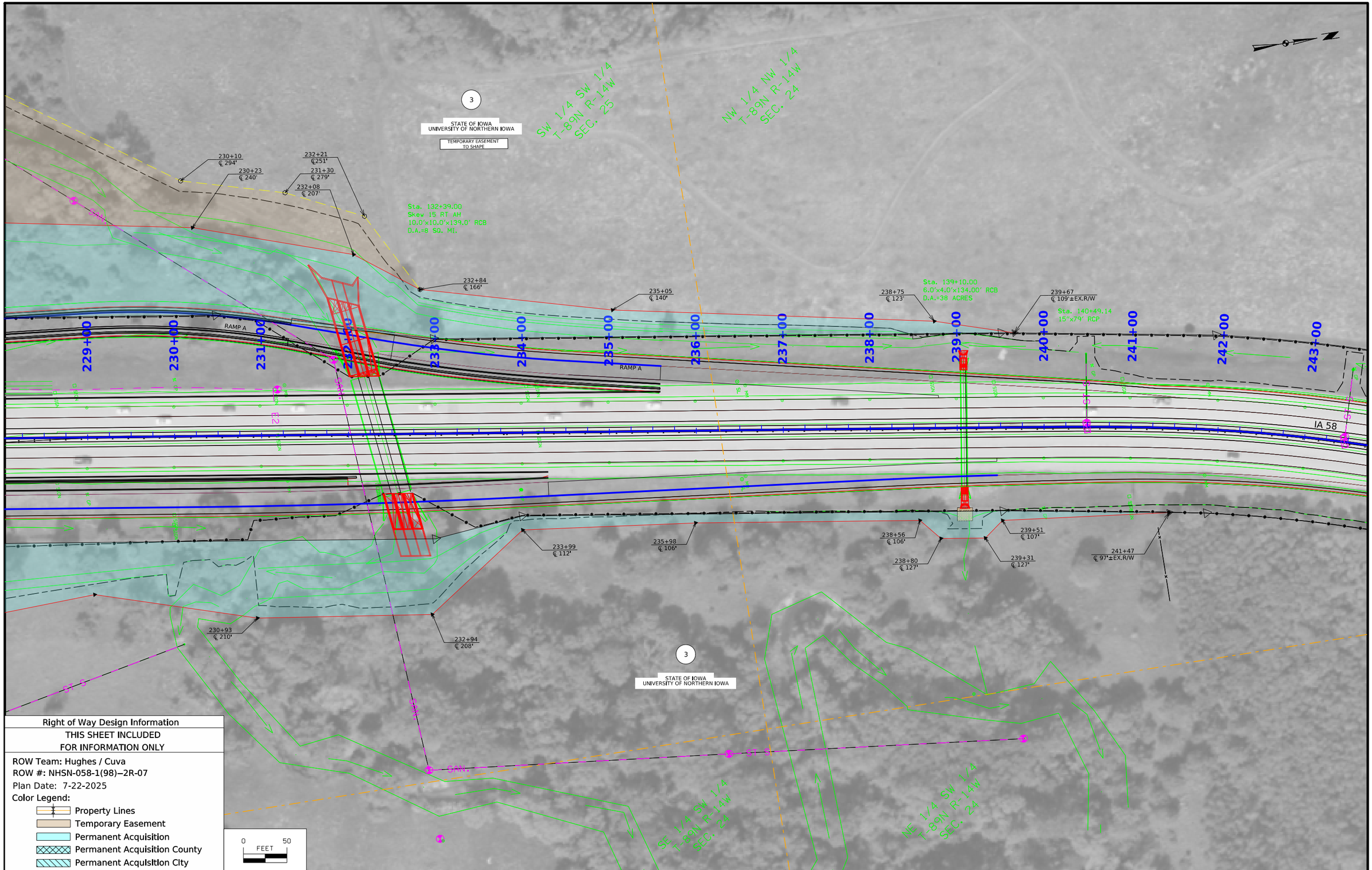

Right of Way Design Information
THIS SHEET INCLUDED FOR INFORMATION ONLY
ROW Team: Hughes / Cuva ROW #: NHSN-058-1(98)--2R-07 Plan Date: 7-22-2025 Color Legend: Property Lines Temporary Easement Permanent Acquisition Permanent Acquisition County Permanent Acquisition City

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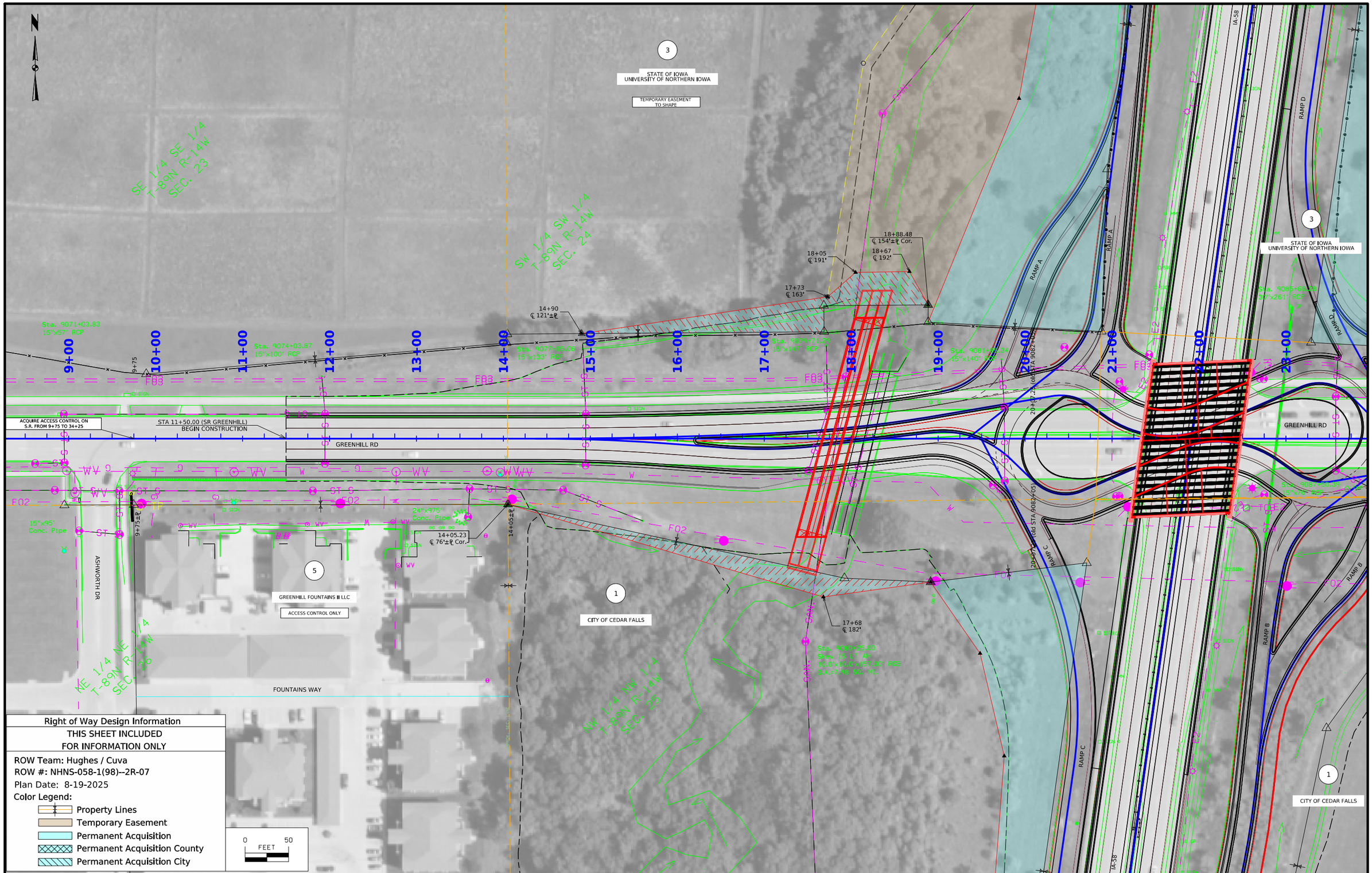

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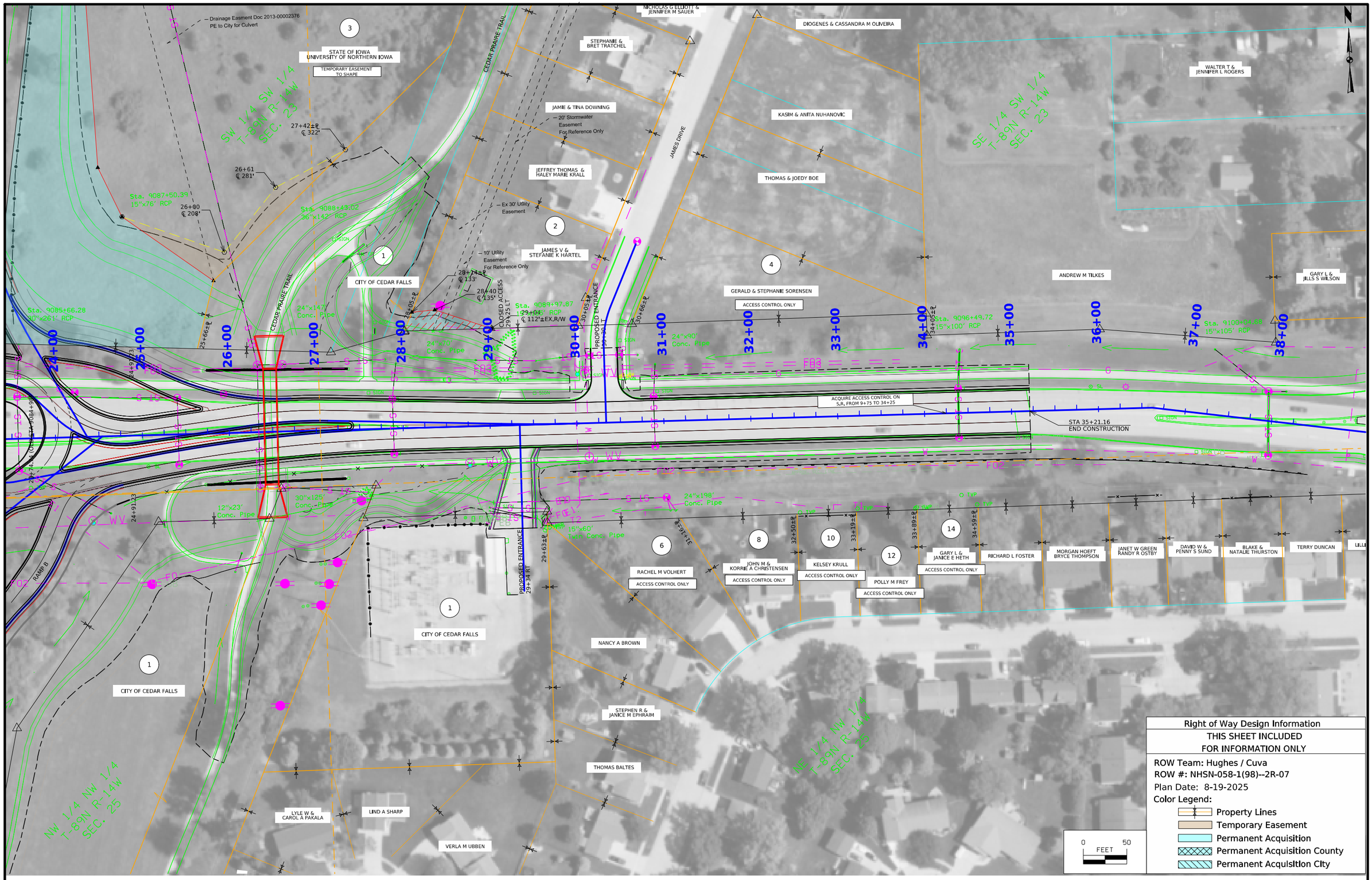

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CROSS SECTION VIEW COLOR LEGEND OF TRAFFIC CONTROL AND STAGING SHEETS

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

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

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

PLAN VIEW COLOR LEGEND OF TRAFFIC CONTROL AND STAGING SHEETS

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

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

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

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

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

TRAFFIC CONTROL AND STAGING LEGEND AND SYMBOL INFORMATION SHEET

(COVERS SHEET SERIES J)

STAGING NOTES

The staging shown is one method for construction for the project. Any request for changes to the staging should follow Article 1105.15 of the Standard Specifications. Maintenance of traffic shall be according to Tab. 108.23. No Value Engineering proposal will be accepted that deviates from the intent of the traffic control plan shown in the plans.
Stage 1 has interim stages A and B to maintain traffic to James Drive.
Stages 2 and 3 shall be constructed concurrently.

Pre-Stage 1 Traffic
- Close the northbound and southbound inside lanes of IA 58 to accommodate the construction of the crossovers near stations 190+00 and 265+00.

Pre-Stage 1 Construction
- Remove the inside should pavement, cable rail, and concrete barrier on IA 58 to accommodate the construction of the crossovers near stations 190+00 and 265+00.
- Construct the crossovers with temporary pavement. Refer to the F -sheets.

Stage 1 Traffic
- Shift the IA 58 traffic head-to-head on the west side of the roadway.
- Install temporary traffic signal at IA 58 and Greenhill Road. Close Greenhill Road from IA 58 northbound to James Drive.
- Close shared use path system.

Stage 1 Construction
- Construct the IA 58 northbound outside wall as grading progresses.
- Grade and construct the IA 58 northbound on and off ramps.
- Construct IA 58 and Ramp B noise wall as grading progresses.
- Construct east abutment for the Greenhill Road Bridge over IA 58.
- Construct replacement pedestrian underpass near station 26+50.
- Construct box culvert extension under northbound on ramp near station 232+50.
- Grade and construct Greenhill Road east of the IA 58 intersection.
- Construct the permanent and temporary paving for the eastside Greenhill Road from bridge approach to James Drive west edge.

Stage 1A Traffic
- Install temporary traffic signals on Greenhill at east construction limits and at James Drive to maintain access to James Road utilizing the outside westbound lane. Refer to TC-216.

Stage 1A Construction
- Construct Greenhill Road eastbound lanes to east limits and James Drive west half.

Stage 1B Traffic
- Maintain access to James utilizing the outside eastbound lanes.

Stage 1B Construction
- Construct Greenhill Road westbound lanes from James Drive to east limits and James Drive east half.

Stage 2 Traffic
- Shift the IA 58 head-to-head traffic to the IA 58 northbound on and off ramps to Greenhill Road.
- Install temporary traffic signal at IA 58 and Greenhill Road intersection.
- Greenhill Road from IA 58 to east limits shall be one lane in both directions.

Stage 2 Construction
- Grade Greenhill Road from west project limits to IA 58 retaining wall.
- Construct Greenhill Road noise wall as grading progresses.
- Construct the IA 58 southbound outside wall as grading progresses.
- Construct west abutment for the Greenhill Road Bridge over IA 58.
- Construct detention basin outlet and box culvert under Greenhill Road near station 18+20.
- Construct the Greenhill Road Bridge over IA 58 and bridge approaches.
- Construct the permanent paving for Greenhill Road from Phase 1 limits to west limits.
- Construct relocated sanitary sewer trunk line.

Stage 3 Traffic
- Maintain the IA 58 head-to-head traffic on the east side of the roadway utilizing the newly constructed Stage 1 sections of IA 58 northbound and the on and off ramps to Greenhill Road.

Stage 3 Construction
- Grade and construct the IA 58 southbound on and off ramps.
- Construct the IA 58 northbound and southbound mainline.

Winter Shutdown
- IA 58 head-to-head traffic shall continue to utilize the constructed northbound on and off ramps with temporary traffic signals until completion of Stage 3.
- Greenhill Road shall be open to 4 lanes after the construction of Stage 1. Stage 2 shall be closed until completion of Stage 3.

Stage 4A Traffic
- IA 58 traffic will be single lane in both directions with on and off ramps for Greenhill Road open.
- Greenhill Road will be open with one lane in both directions.

Stage 4A Construction
- Grade and Construct outside lanes and IA 58 bridge approach over S. Main Street Bridge.
- Construct remaining IA 58 retaining wall enhancements.
- Construct the remaining Greenhill Road improvements on new bridge and enhancements.
- Construct median and permanent barrier rail near station 190+00 and 265+00.

Stage 4B Traffic
- Shift northbound and southbound IA 58 traffic to outside lanes.

Stage 4B Construction
- Construct IA 58 inside lanes near station 265+00 at the north median crossover.

TRAFFIC CONTROL PLAN

Refer to Tab. 108-26A for traffic control specifics. Traffic control on this project shall be in accordance with Standard Road Plans listed on Tab 105-4 and as detailed elsewhere in the J Sheets. For additional complementary information, refer to part 6 of the Manual on Uniform Traffic Control Devices and to the current Standard Specifications. Sign washing shall be considered incidental to traffic control and required as directed by the Engineer.

The Contractor shall take measures to prevent tracking or spilling of dirt, mud or other foreign materials onto IA 58 and Greenhill Road.

Work that directly affects traffic movement and flow, such as staging changes, temporary striping/signing, startup of temporary traffic signals, etc. shall not be allowed between 6:00 AM Friday and 9:00 PM Sunday and 6:00 AM to 9:00 PM Monday through Thursday. The DOT reserves the right to modify the hours specified above to accommodate unexpected traffic flows. Coordinate with the Engineer a minimum of two (2) weeks prior to changes in the proposed traffic patterns.

Contractor shall use a Portable Dynamic Message Sign (PDMS) to inform the public a minimum of five (5) days prior to a major change in traffic patterns on Greenhill Road and IA 58. Locations of PDMS will be determined by the Engineer in the field.

The Contractor shall place painted pavement markings as indicated by the staging and traffic control plan. The Contractor shall also remove existing and temporary markings as necessary for the proposed traffic control plan. The removal method shall be approved by the Engineer and shall not permanently damage or scar the pavement.

Maintain access to James Drive and Cedar Falls Utilities (CFU) substation at all times. All construction activities restricting full access to the Cedar Falls Utility (CFU) substation must be scheduled during closed business hours and coordinated with CFU in advance of closure with emergency access to be maintained. Maintaining vehicle access to James Drive and CFU substation shall be considered incidental to the Traffic Control bid item.

If contractor plans to store equipment or materials on private property they need to provide a copy of the agreement to the Engineer.

Contractor is approved to work 7 days a week. Night work will be permitted. Night work within 300 feet of a residential property will not be allowed between 10:00 PM and 6:00 AM unless approved by the Engineer.

Contractor will be responsible for maintaining traffic control throughout winter shutdown.

Contractor to maintain storm water flow throughout the duration of the project.

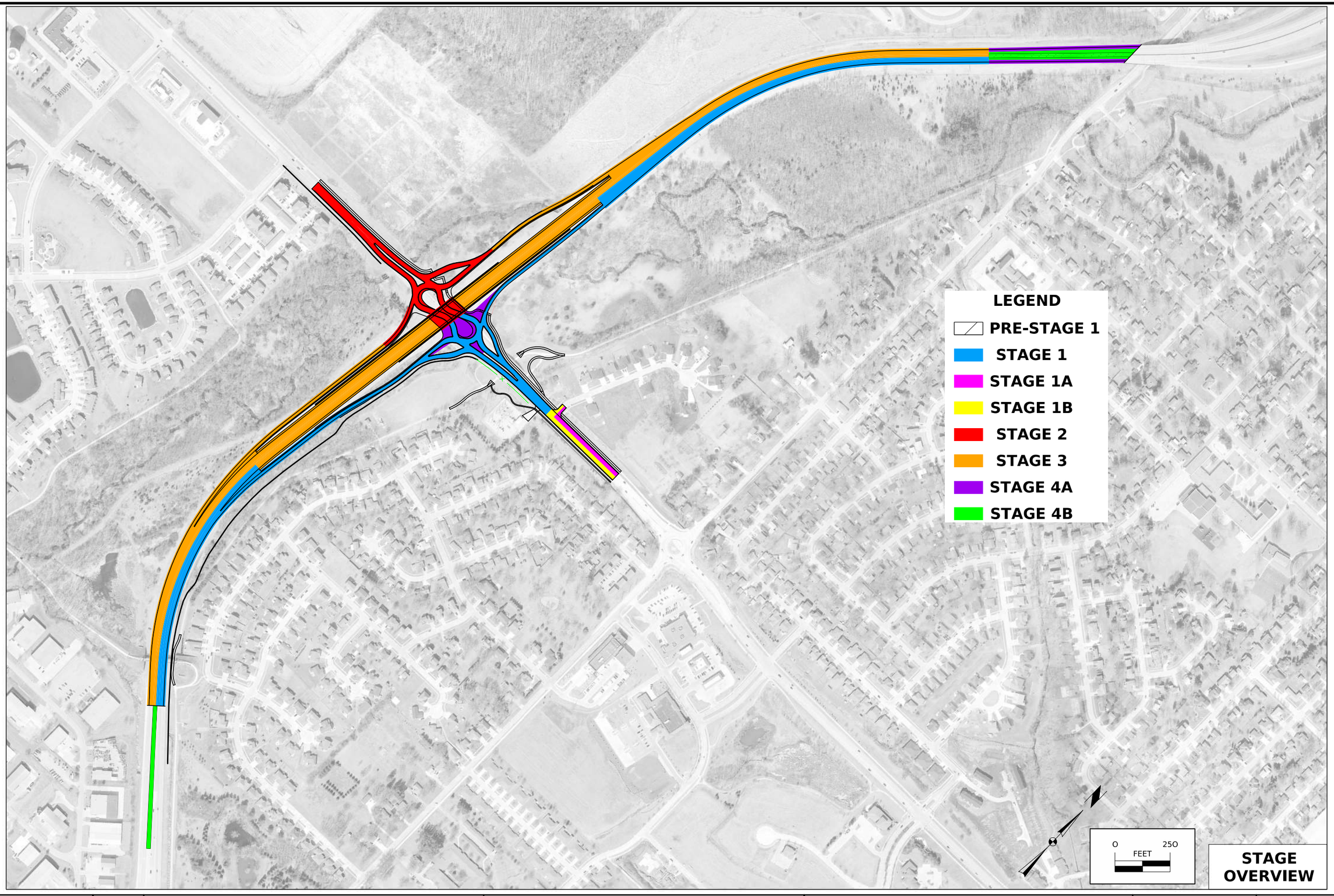
IA 58
- Maintain traffic, both northbound and southbound, at all times during all stages of construction.
- The intersection with Greenhill Road shall remain open except as noted elsewhere in the traffic control plan.

Greenhill Road
- During construction of Greenhill Road, road closures shall be allowed on Greenhill Road, except as noted elsewhere in the traffic control plan to maintain access for CFU and James Drive.
- Once reconstruction of Greenhill is complete, traffic shall be maintained, both eastbound and westbound, as noted elsewhere in the traffic control plan.

James Drive
- Maintain traffic, both northbound and southbound, during all stages except as noted elsewhere in the traffic control plan.
- During reconstruction of James Drive and Greenhill Rd, maintain traffic with alternate one-way movement through the constricted section via a temporary traffic signal.
- Maintain access to Ashworth Drive and S. Main Street during all stages of construction.

Sign W21-3A "Trucks Turning Ahead" shall be posted in advance of locations where trucks are entering or exiting work areas. Details of the W21-3A sign can be found on Standard Road Plan SI-881.

Active contractor vehicles and self-propelled equipment (except hand operated equipment) operating or parked within 15 feet of an open traffic lane (unless shielded by temporary or permanent barrier) and contractor, delivery, and service vehicles entering or exiting work area shall display cab roof mounted amber or yellow high intensity rotating, flashing or oscillating warning lights. Repair or replace vehicle warning lights not functional or missing within 24 hours.



STAGE OVERVIEW

FILE NO.	ENGLISH	DESIGN TEAM **AECOM**	**BLACK HAWK** COUNTY	PROJECT NUMBER **NHSX-058-1(097)--3H-07**	SHEET NUMBER **J.3**

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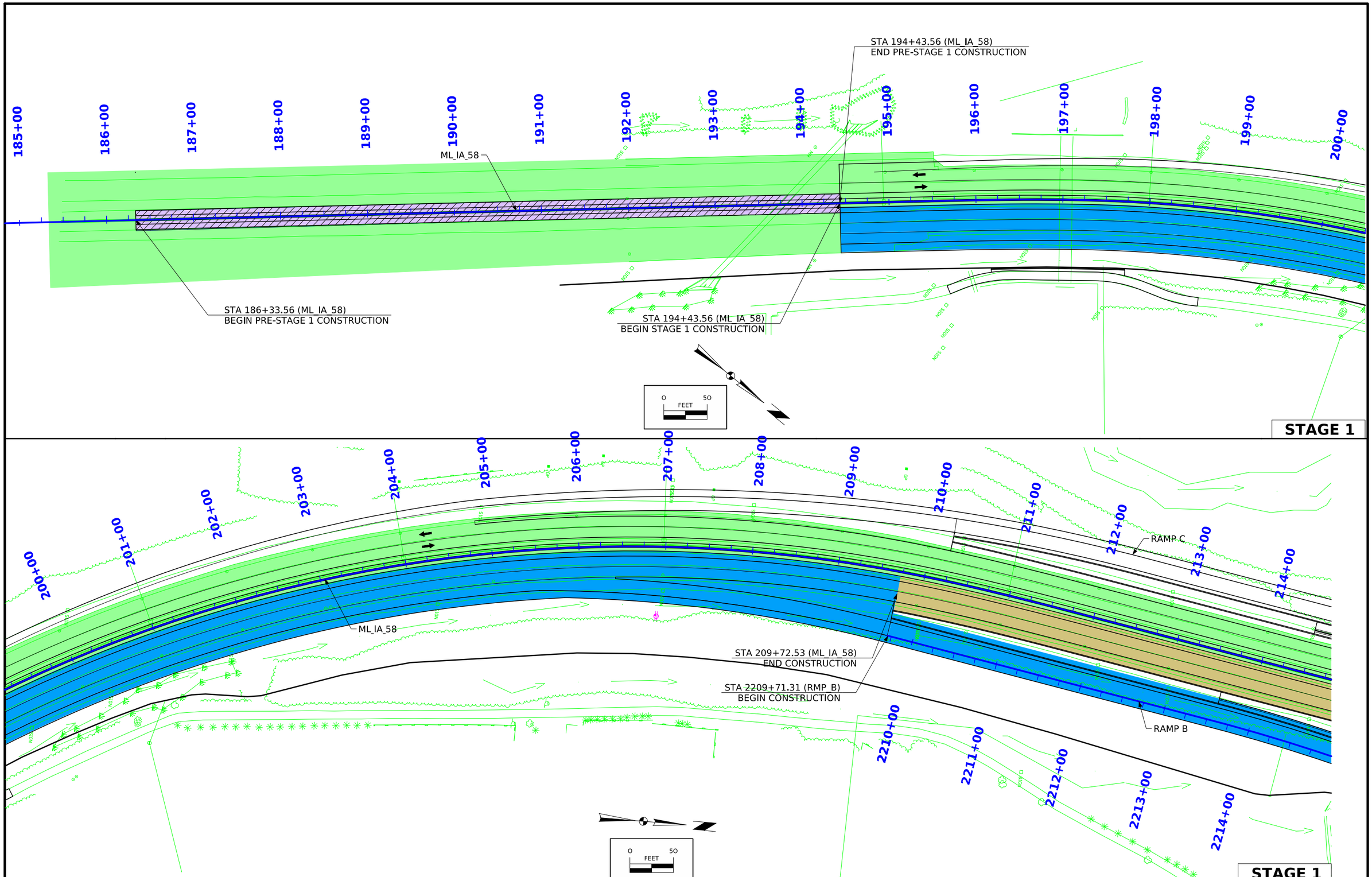

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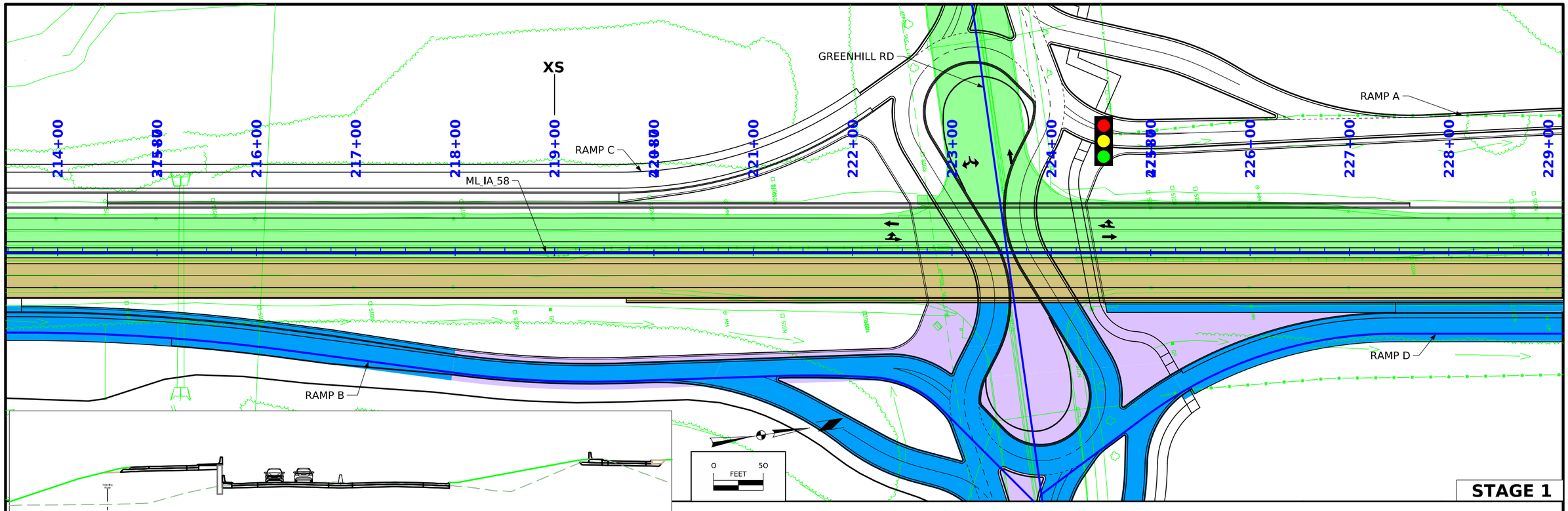

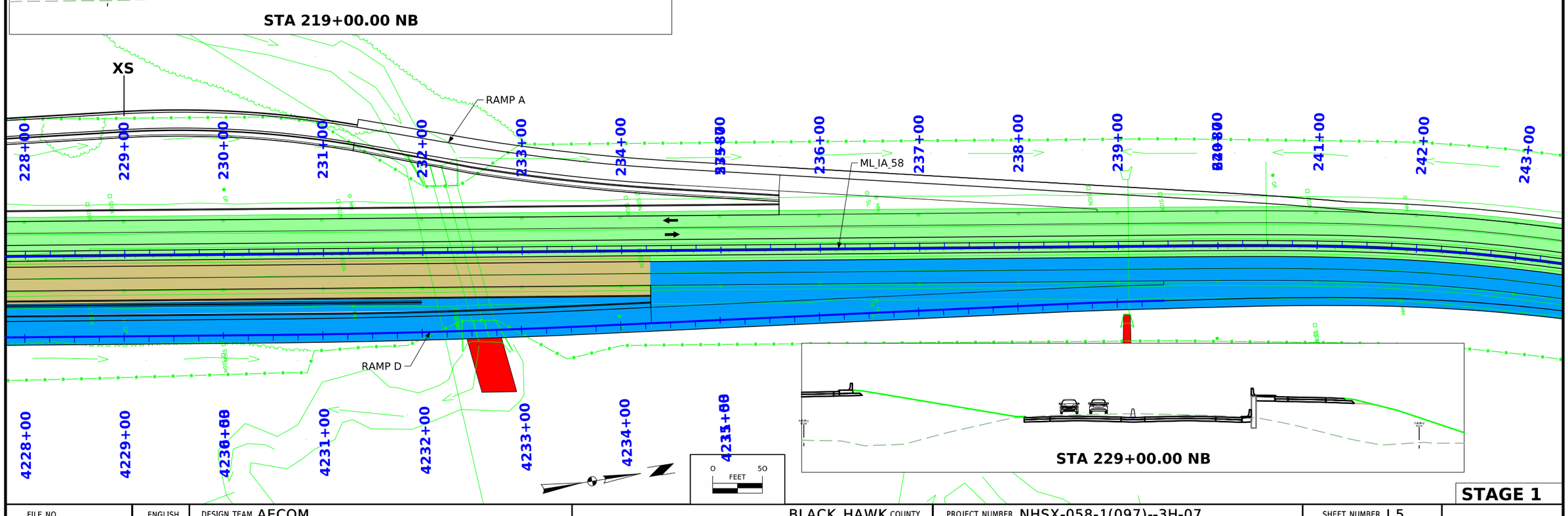

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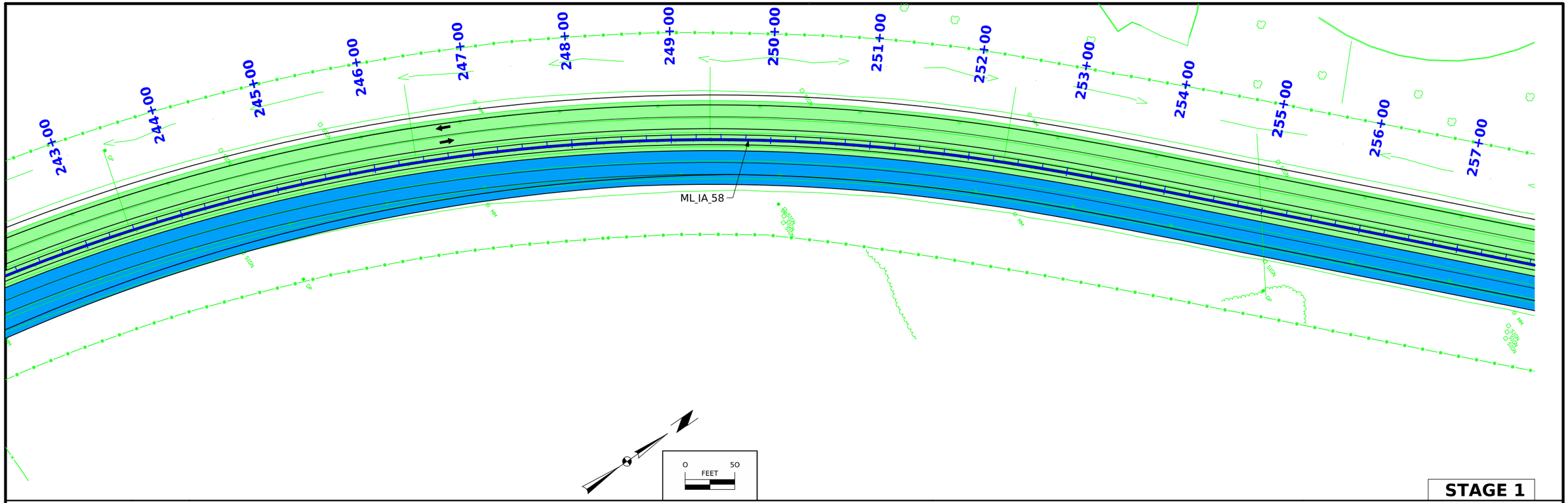
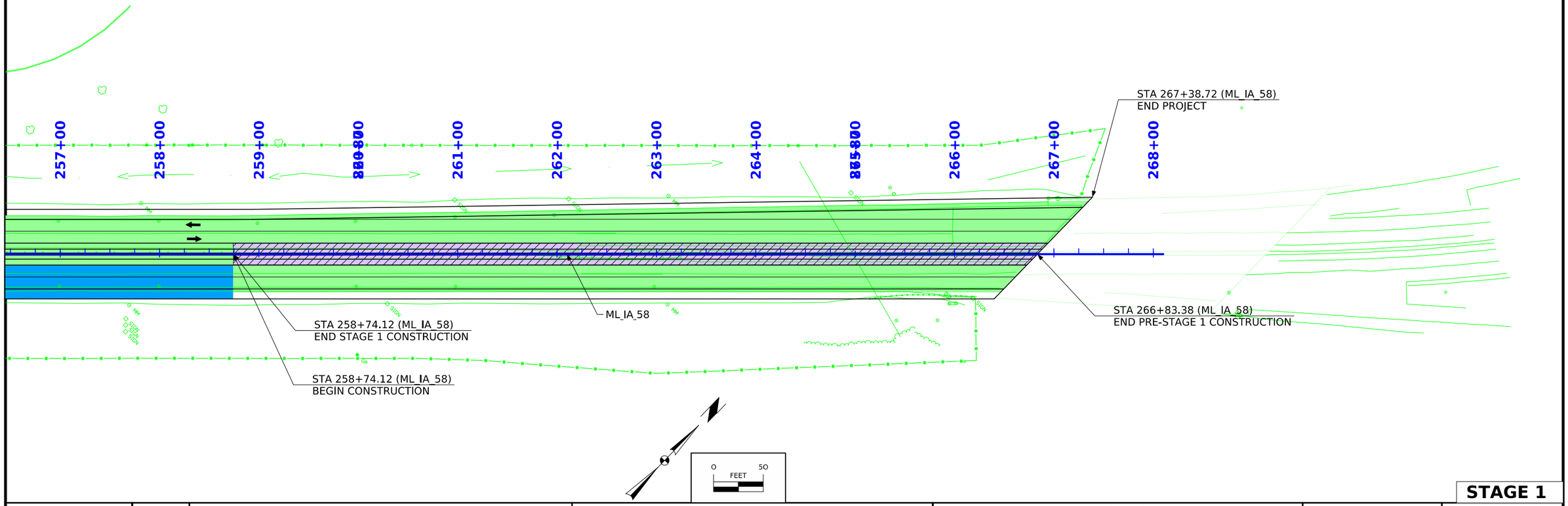


STAGE 1



STAGE 1

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9+00 10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00 18+00 19+00 20+00 21+00 22+00 23+00 24+00

GREENHILL RD

RAMP A

RAMP D

RAMP C

ML_IA 58

RAMP B

0 50 FEET

STAGE 1

24+00 25+00 26+00 27+00 28+00 29+00 30+00 31+00 32+00 33+00 34+00 35+00 36+00 37+00 38+00

RAMP D

JAMES DRIVE

GREENHILL RD

STA 29+92.68 (SR_GREENHILL)
END STAGE 1 CONSTRUCTION

RAMP B

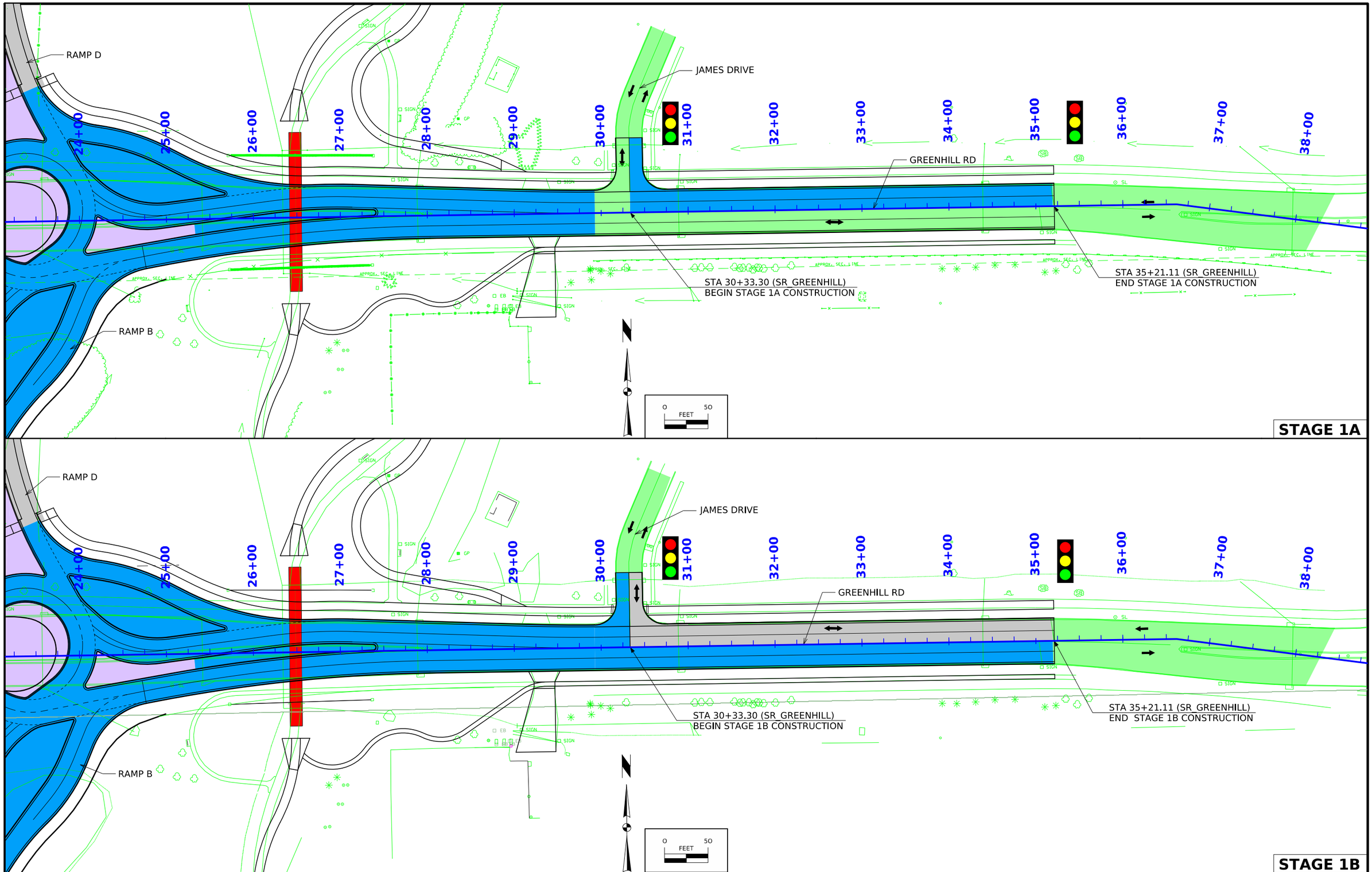
0 50 FEET

STA 25+00.00

STAGE 1

FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER J.7

4:20:31 PM 5/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\J02_Stage1_07058097Z05.dgn



FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER J.8

4:20:40 PM 5/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\J02_Stage1A_07058097Z05.dgn

STA 194+43.56 (ML_IA_58)
BEGIN STAGE 2 CONSTRUCTION

ML_IA_58

185+00 186+00 187+00 188+00 189+00 190+00 191+00 192+00 193+00 194+00 195+00 196+00 197+00 198+00 199+00 200+00

0 FEET 50

STAGE 2

200+00 201+00 202+00 203+00 204+00 205+00 206+00 207+00 208+00 209+00 210+00 211+00 212+00 213+00 214+00

ML_IA_58

RAMP B

2210+00 2211+00 2212+00 2213+00 2214+00

0 FEET 50

STAGE 2

FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER J.9

4:20:50 PM 5/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\J02_Stage2_07058097Z05.dgn

GREENHILL RD

STA 3219+88.06 (RMP_C)
BEGIN CONSTRUCTION

RAMP C

RAMP A
STA 1227+22.10 (RMP_A)
END CONSTRUCTION

ML IA 58

RAMP B

RAMP D

214+00 215+00 216+00 217+00 218+00 219+00 220+00 221+00 222+00 223+00 224+00 225+00 226+00 227+00 228+00 229+00

2214+00 2215+00 2216+00 2217+00 2218+00 2219+00 2220+00 2222+00 2223+00 4225+00 4226+00 4227+00 4228+00 4229+00

0 50 FEET

STAGE 2

RAMP A

RAMP D

ML_IA_58

228+00 229+00 230+00 231+00 232+00 233+00 234+00 235+00 236+00 237+00 238+00 239+00 240+00 241+00 242+00 243+00

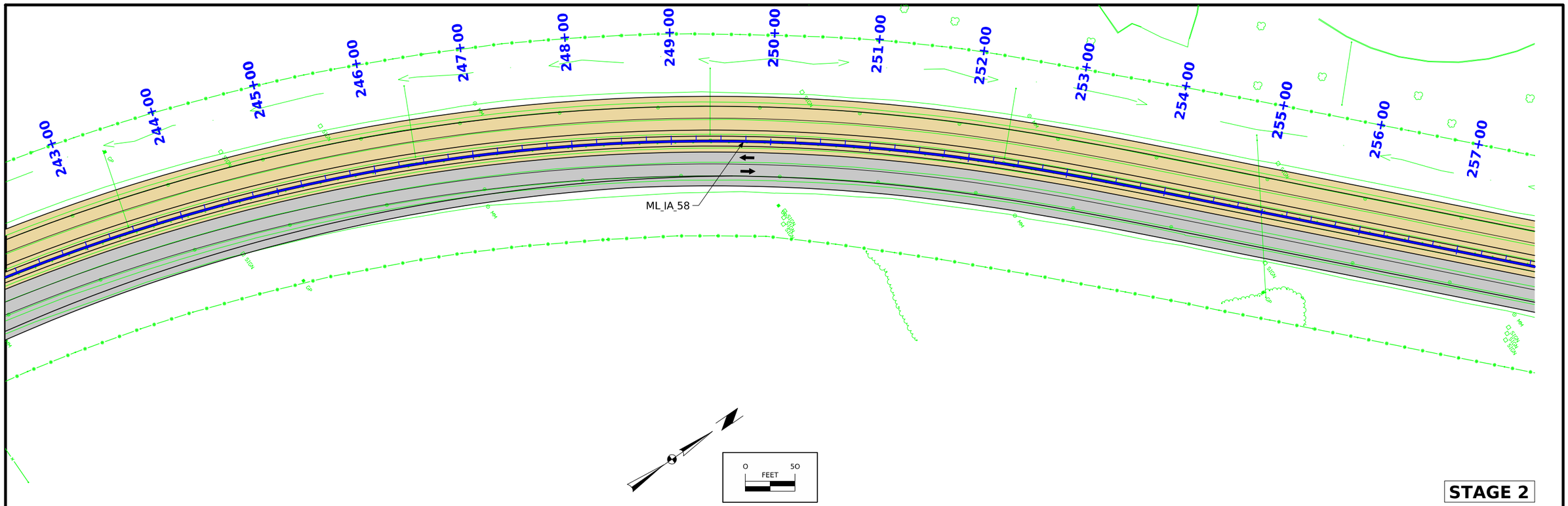
4228+00 4229+00 4230+00 4231+00 4232+00 4233+00 4234+00 4235+00 4236+00 4237+00 4238+00 4239+00

0 50 FEET

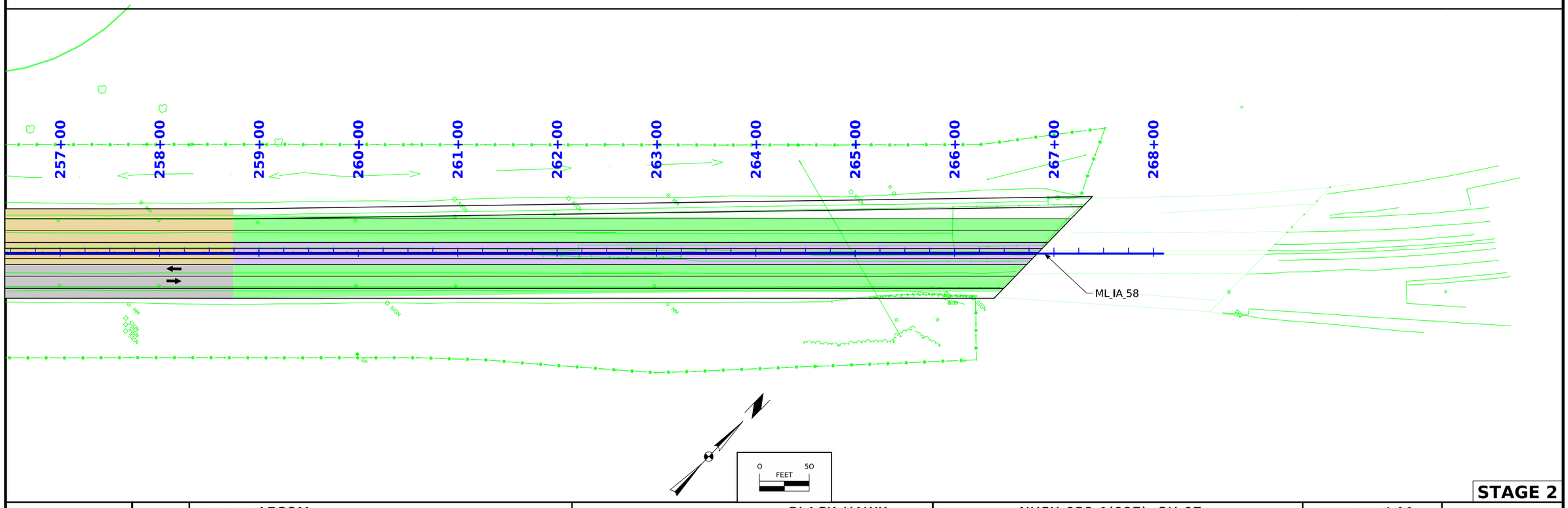
STAGE 2

FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER J.10

4:20:51 PM 5/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\J02_Stage2_07058097Z05.dgn



STAGE 2



STAGE 2

FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER J.11

4:20:52 PM 5/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\J02_Stage2_07058097Z05.dgn

STA 11+50.00 (SR_GREENHILL)
BEGIN STAGE 2 CONSTRUCTION

9+00 10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00 18+00 19+00 20+00 21+00 22+00 23+00 24+00

GREENHILL RD

ASHWORTH DR

RAMP A

RAMP D

ML_IA_58

RAMP C

RAMP B

STA 19+00.00

0 50 FEET

STAGE 2

RAMP D

24+00 25+00 26+00 27+00 28+00 29+00 30+00 31+00 32+00 33+00 34+00 35+00 36+00 37+00 38+00

JAMES DRIVE

GREENHILL RD

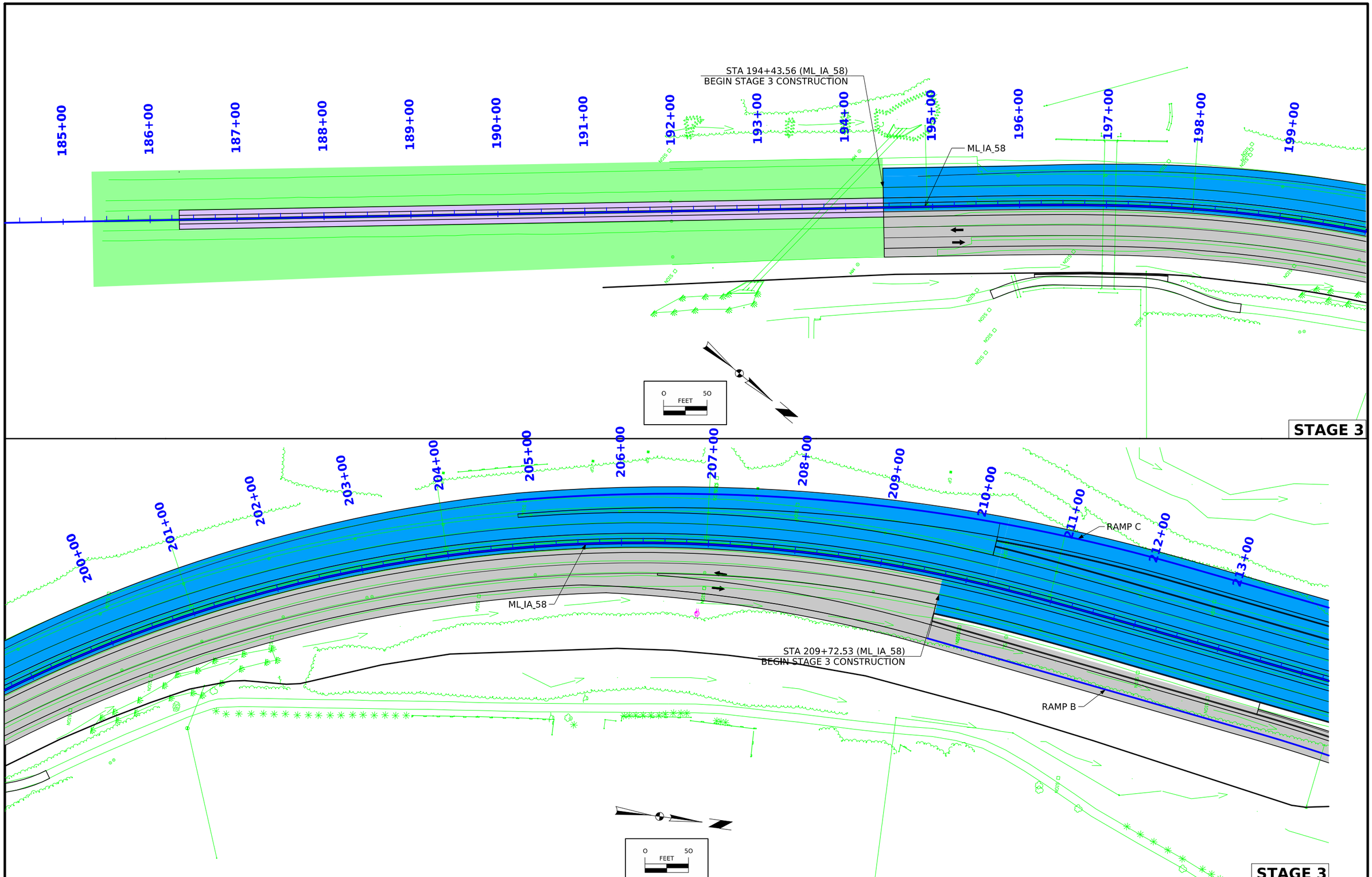
RAMP B

0 50 FEET

STAGE 2

FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER J.12

4:20:55 PM 5/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\J02_Stage2_07058097Z05.dgn



FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER J.13

4:21:04 PM 5/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\J02_Stage3_07058097Z05.dgn

XS

GREENHILL RD

RAMP A

RAMP C

ML_IA_58

RAMP B

RAMP D

213+00 214+00 215+00 216+00 217+00 218+00 219+00 220+00 221+00 222+00 223+00 224+00 225+00 226+00 227+00 228+00

4220+00 4222+00 4223+00 4225+00 4226+00 4227+00 4228+00

0 50 FEET

STA 219+00.00

XS

RAMP A

228+00 229+00 230+00 231+00 232+00 233+00 234+00 235+00 236+00 237+00 238+00 239+00 240+00 241+00 242+00

ML_IA_58

STA 234+28.90 (ML_IA_58)
END STAGE 3 CONSTRUCTION

RAMP D

4228+00 4229+00 4230+00 4231+00 4232+00 4233+00 4234+00 4235+00

0 50 FEET

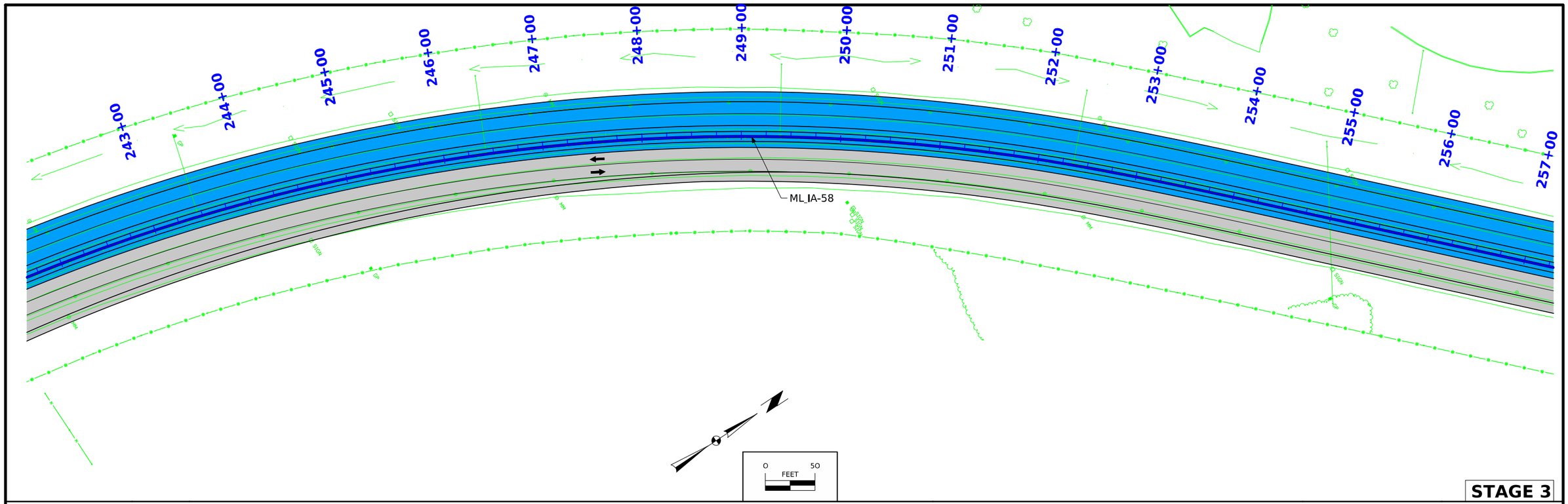
STA 229+00.00

STAGE 3

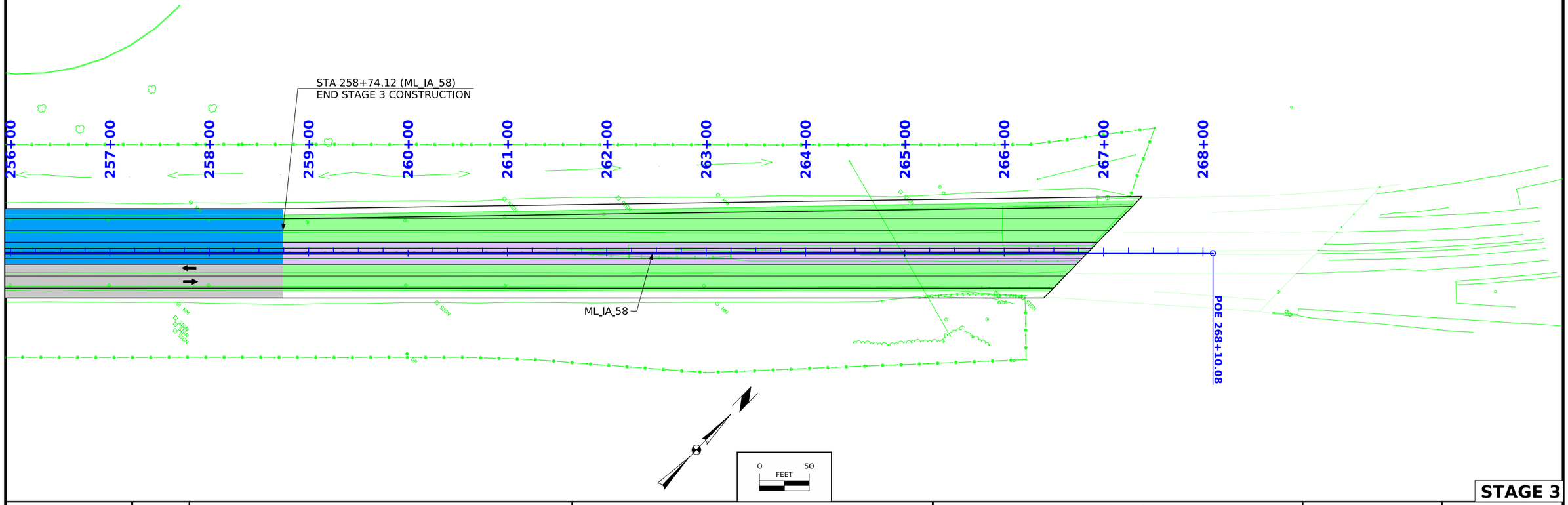
STAGE 3

FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER J.14

4:21:08 PM 5/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\J02_Stage3_07058097Z05.dgn



STAGE 3



STAGE 3

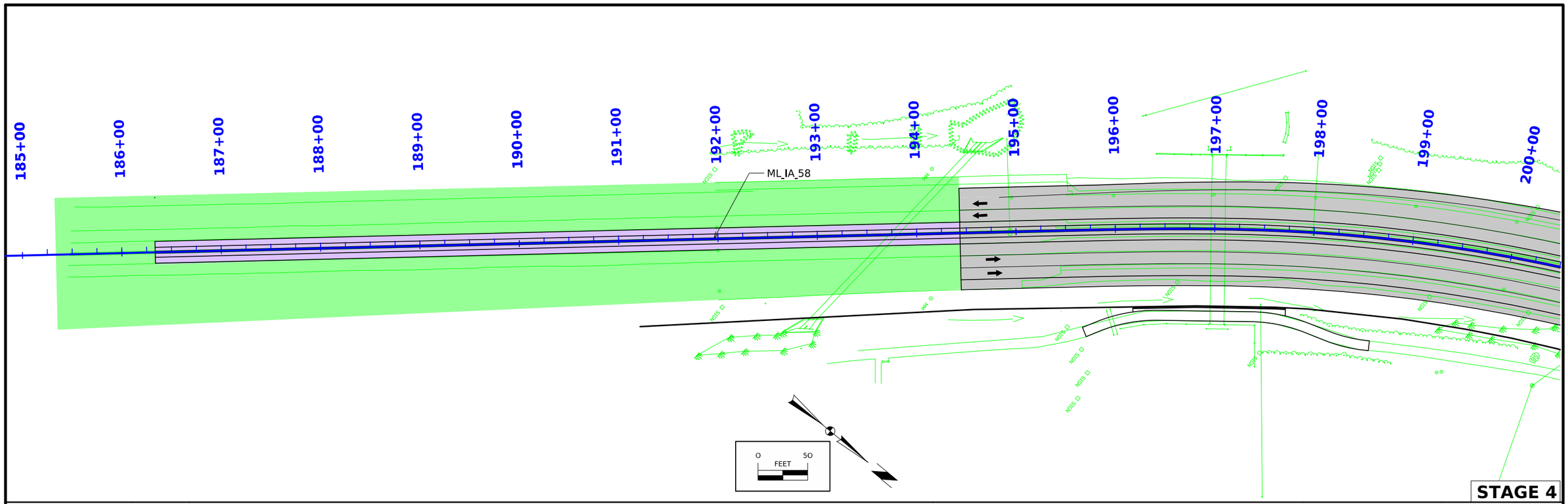
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER J.15

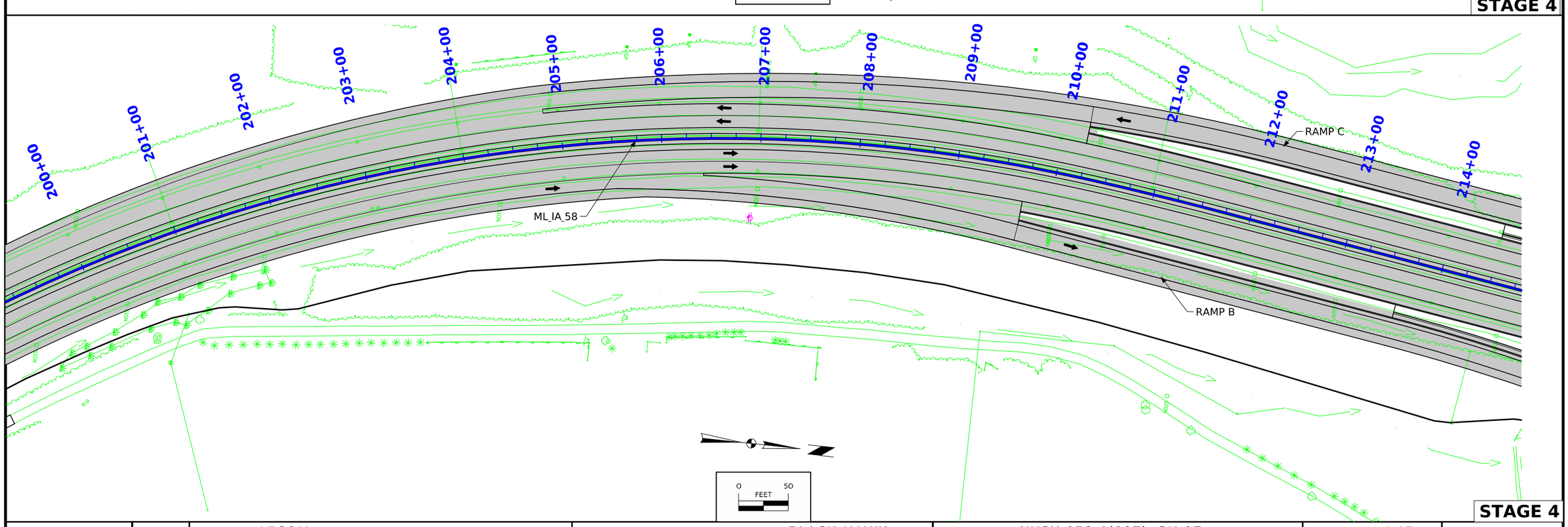
4:21:09 PM 5/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\J02_Stage3_07058097Z05.dgn

9+00
10+00
11+00
12+00
13+00
14+00
15+00
16+00
17+00
18+00
19+00
20+00
21+00
22+00
23+00
24+00
GREENHILL RD
ASHWORTH DR
RAMP A
RAMP D
ML_IA_58
RAMP C
RAMP B
0 50 FEET
STAGE 3
RAMP D
24+00
25+00
26+00
27+00
28+00
29+00
30+00
31+00
32+00
33+00
34+00
35+00
36+00
37+00
38+00
JAMES DRIVE
GREENHILL RD
RAMP B
0 50 FEET
STAGE 3

FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER J.16

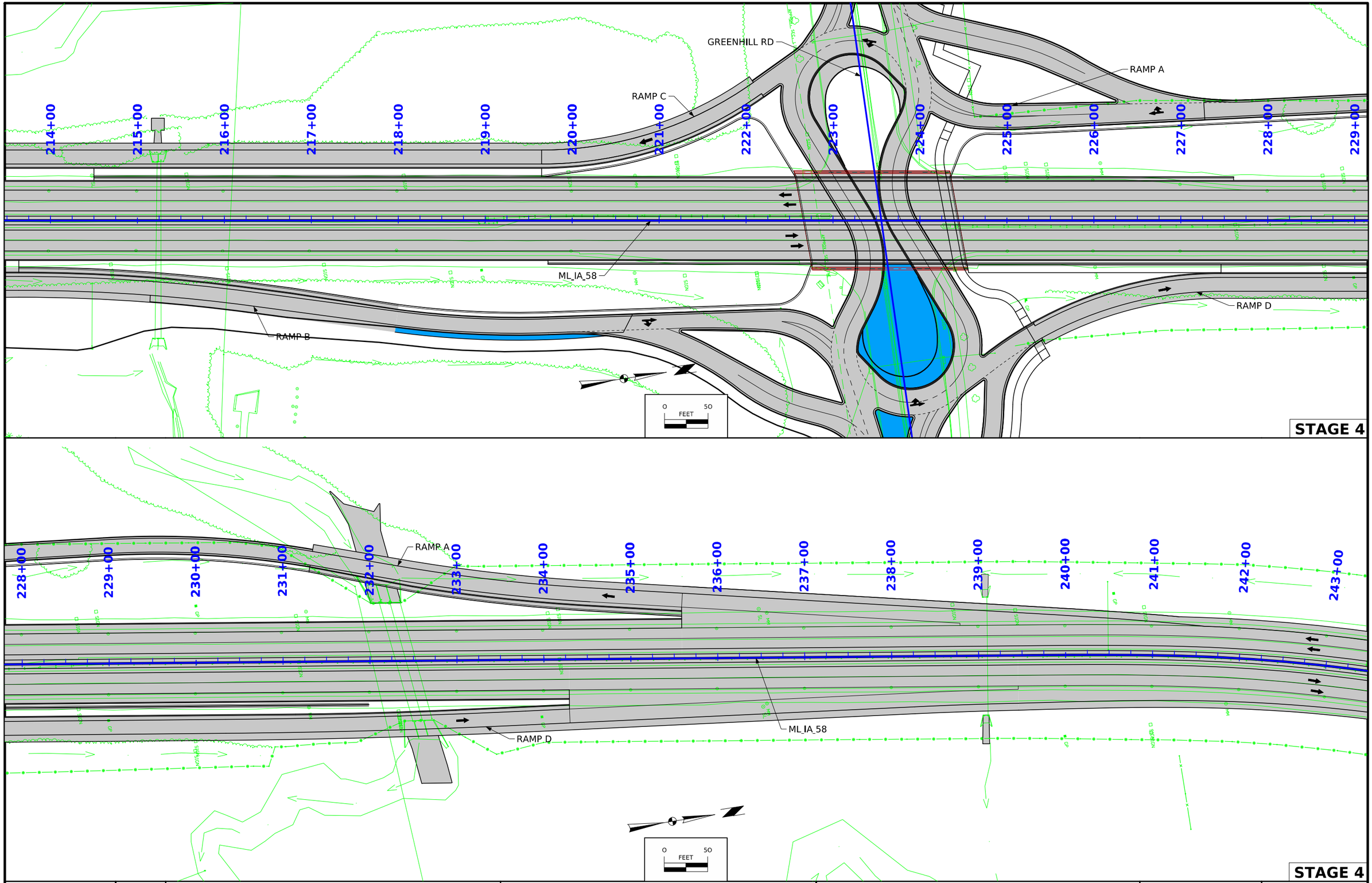
4:21:10 PM 5/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\J02_Stage3_07058097Z05.dgn





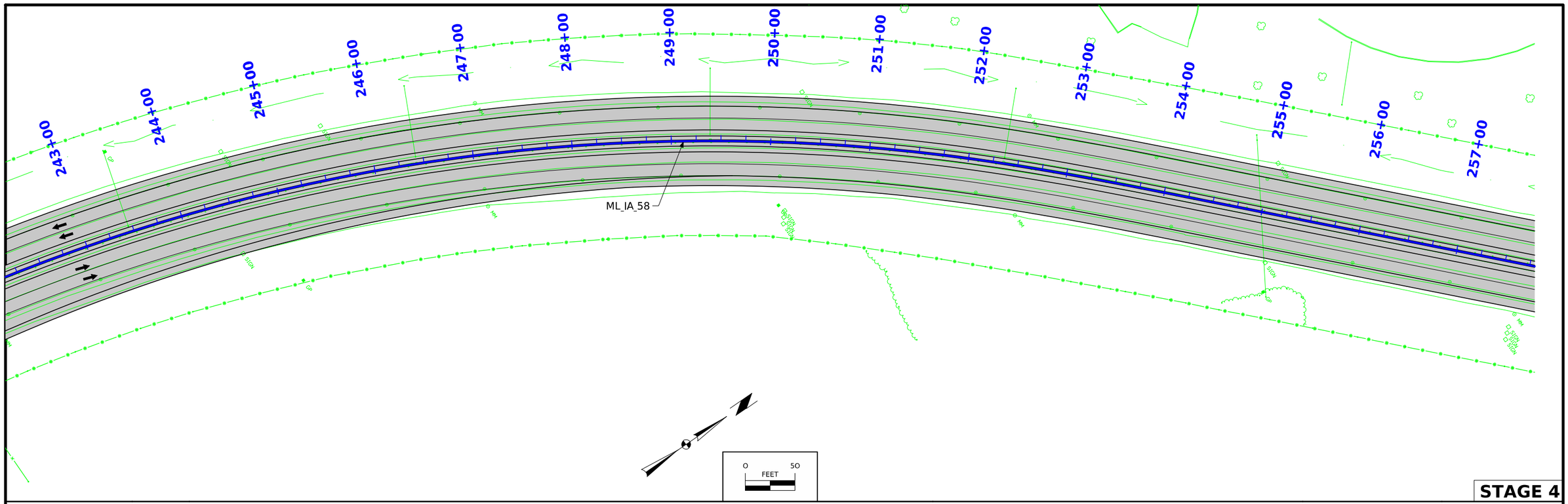
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER J.17

4:21:19 PM 5/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\J02_Stage4_07058097Z05.dgn

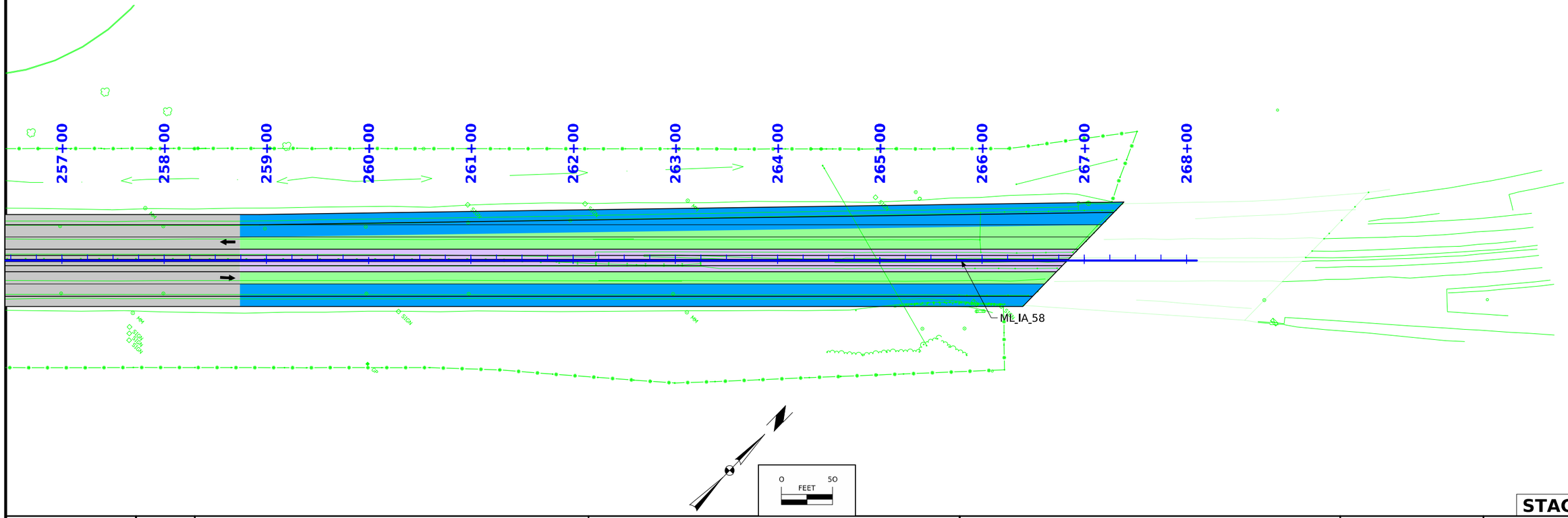


FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER J.18

4:21:20 PM 5/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\J02_Stage4_07058097Z05.dgn



STAGE 4



STAGE 4

FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER J.19

4:21:21 PM 5/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\J02_Stage4_07058097Z05.dgn

9+00 10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00 18+00 19+00 20+00 21+00 22+00 23+00 24+00

GREENHILL RD

ML_IA_58

RAMP A

RAMP D

RAMP C

RAMP B

ASHWORTH DR

0 50 FEET

STAGE 4

24+00 25+00 26+00 27+00 28+00 29+00 30+00 31+00 32+00 33+00 34+00 35+00 36+00 37+00 38+00

JAMES DRIVE

GREENHILL RD

RAMP B

0 50 FEET

STAGE 4

FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER J.20

4:21:22 PM 5/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\J02_Stage4_07058097Z05.dgn

185+00 186+00 187+00 188+00 189+00 190+00 191+00 192+00 193+00 194+00 195+00 196+00 197+00 198+00 199+00 200+00

0 FEET 50

STAGE 4

200+00 201+00 202+00 203+00 204+00 205+00 206+00 207+00 208+00 209+00 210+00 211+00 212+00 213+00 214+00

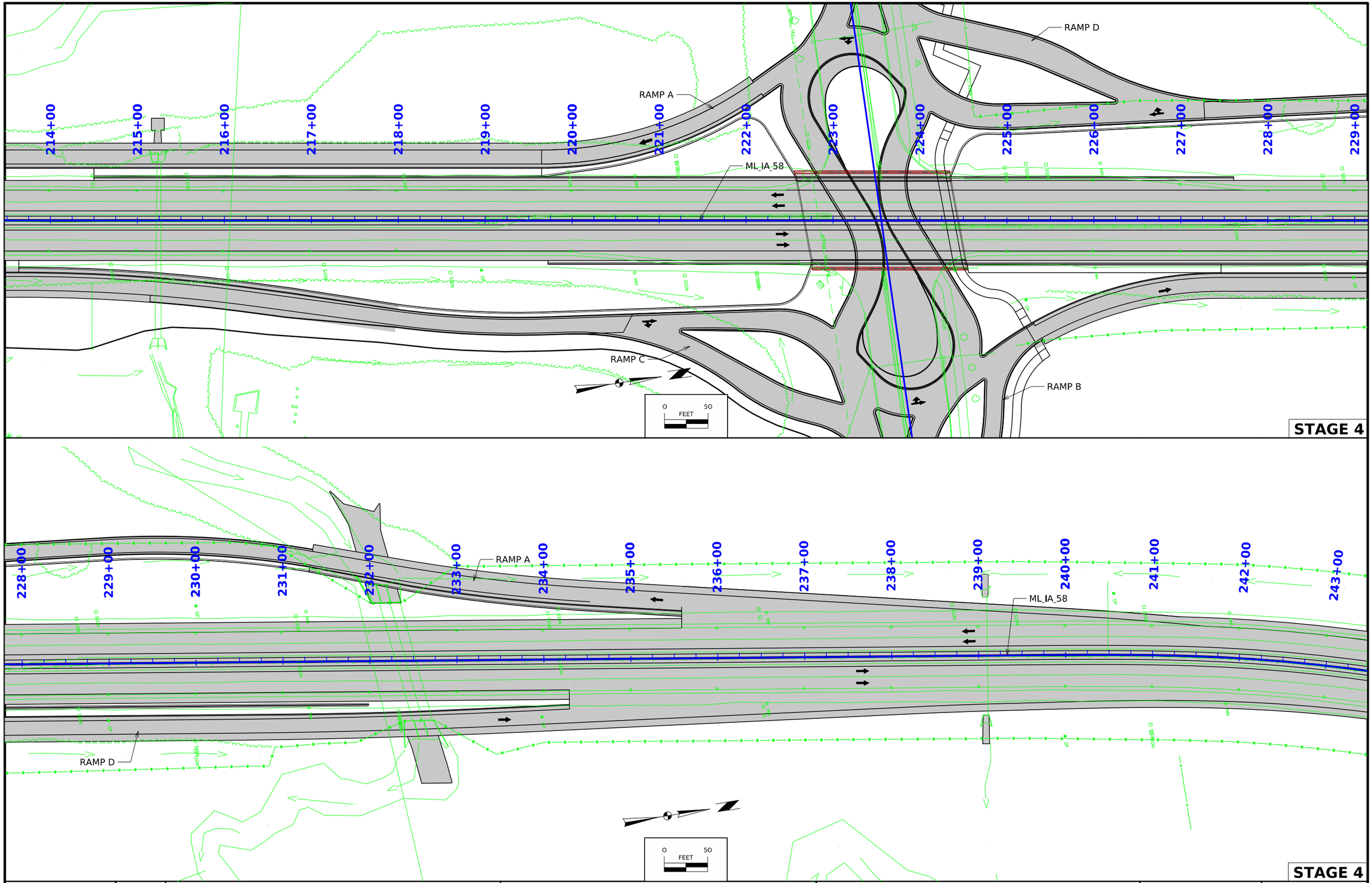
ML_IA_58

0 FEET 50

STAGE 4

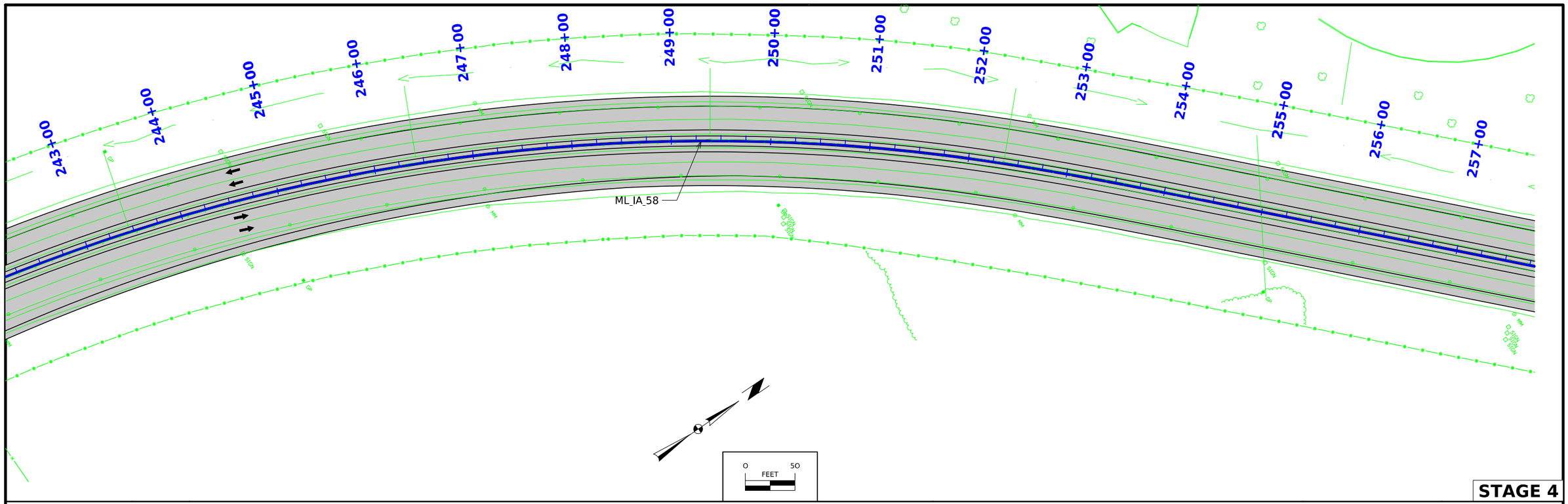
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER J.21

4:21:32 PM 5/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\J02_Stage4B_07058097Z05.dgn

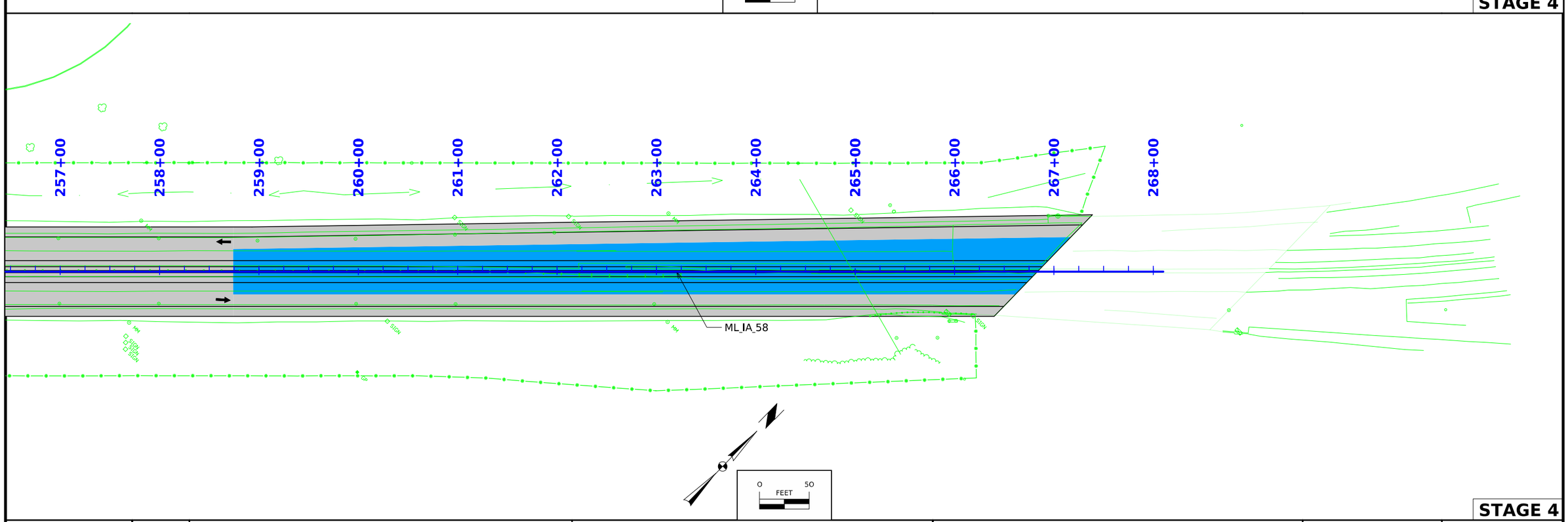


FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER J.22

4:21:32 PM 5/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\J02_Stage4B_07058097Z05.dgn



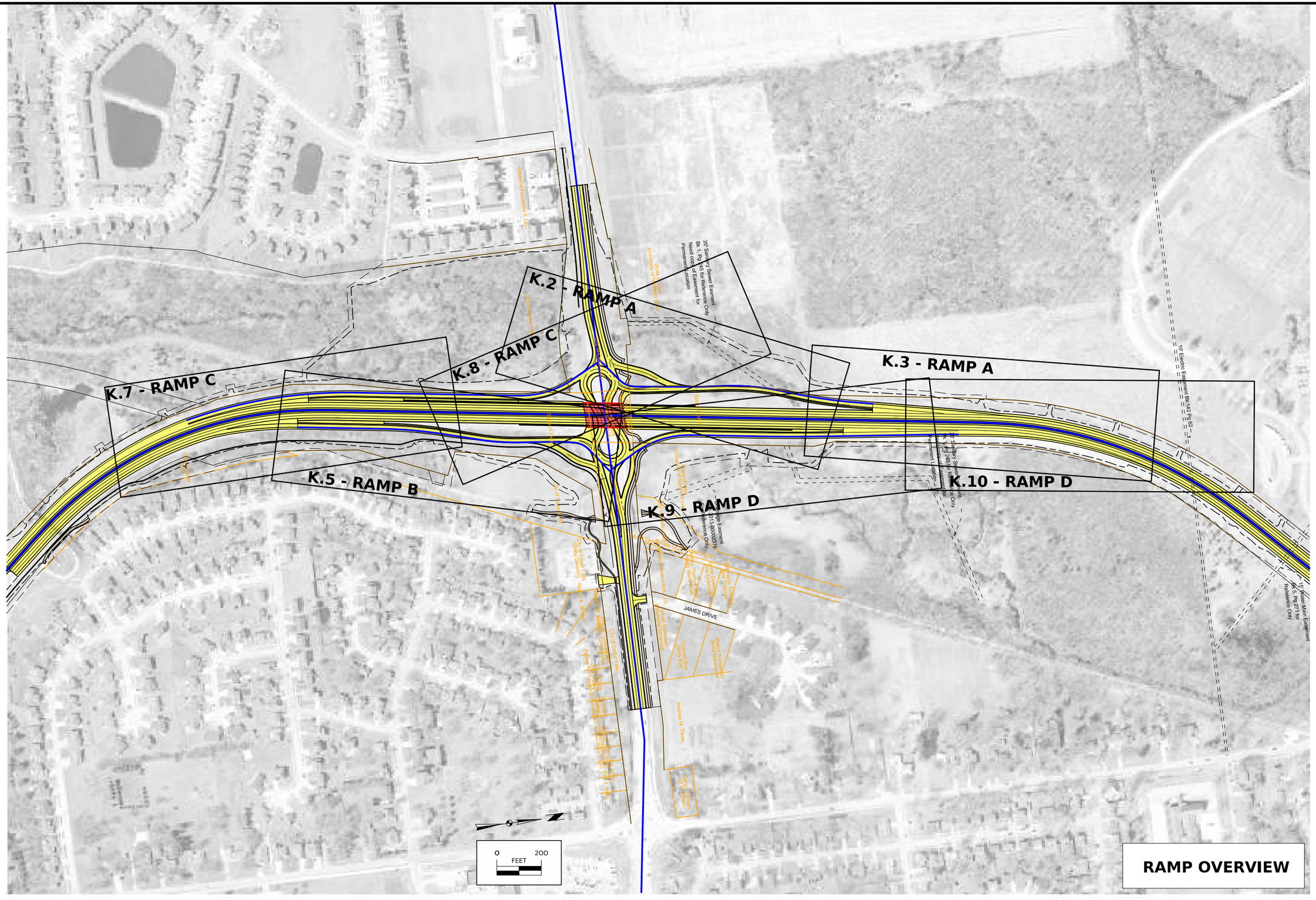
STAGE 4



STAGE 4

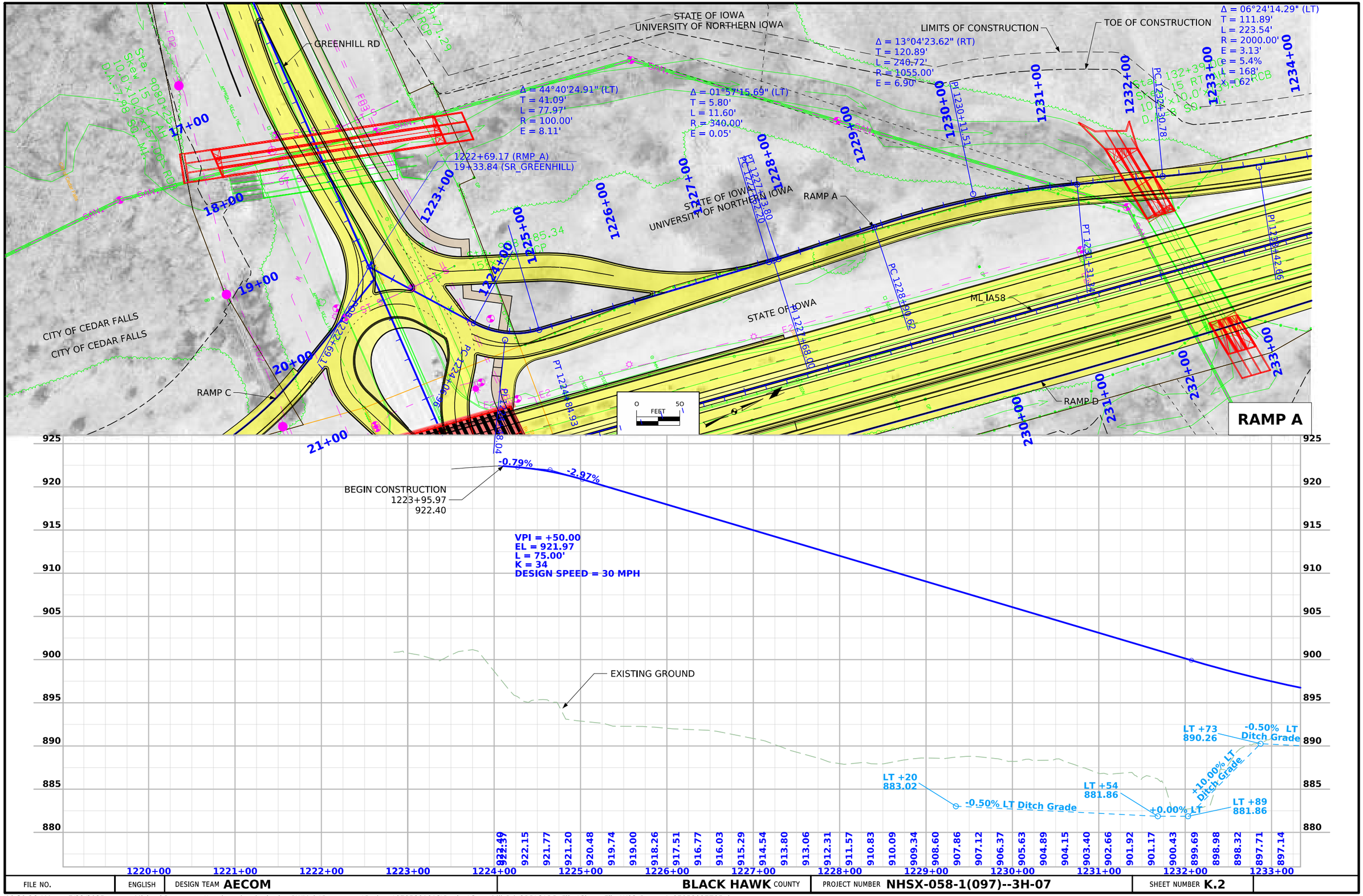
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER J.23

4:21:33 PM 5/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\J02_Stage4B_07058097Z05.dgn



FILE NO.	ENGLISH	DESIGN TEAM **AECOM**	**BLACK HAWK** COUNTY	PROJECT NUMBER **NHSX-058-1(097)--3H-07**	SHEET NUMBER **K.1**

10:39:16 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\K01_Overview_07058097Z05.dgn



FILE NO.	ENGLISH	DESIGN TEAM **AECOM**	**BLACK HAWK** COUNTY	PROJECT NUMBER **NHSX-058-1(097)--3H-07**	SHEET NUMBER **K.2**

10:39:26 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\K02_Ramp_A_07058097Z05.dgn

Δ = 06°24'14.29" (LT)
T = 111.89'
L = 223.54'
R = 2000.00'
E = 3.13'
e = 5.4%
L = 168'
x = 62'

SPIRAL DATA
SCS PI STA 247+16.70
Δ = 37.3660° (LT)
Θ = 3.7849°
Ls = 252.00sf
Ts = 771.43sf
Es = 107.56sf
P = 1.59sf
K = 125.98
Xc = 251.61sf
Yc = 12.74sf
LT = 168.04sf
ST = 84.03sf
LC = 251.95sf

Δ = 29°47'46.33" (RT)
T = 507.45'
L = 991.92'
R = 1907.38'
E = 66.35'
e = 6.0%
L = 252'
x = 84'

Sta. 139+10.00
6.0'x4.0'x134.00' RCB
D.A.=38 ACRES

STATE OF IOWA
UNIVERSITY OF NORTHERN IOWA

Sta. 140+49.14
15"x79' RCP

Sta. 143+45.86
15"x80' RCP

Sta. 146+42.67
15"x73' RCP

TOE OF CONSTRUCTION

235+59.94 OFFSET 75' LEFT(ML_IA_58)
1235+59.95 (RMP_A)

LIMITS OF CONSTRUCTION

RAMP A

15:1 TAPER

ML_IA58

PI 1234+54.34

PCE 1235+59.95

PI 1238+42.66

PI 1239+45.27

SC 241+00.14

PI 247+04.72

RAMP D

TOE OF CONSTRUCTION

LIMITS OF CONSTRUCTION

STATE OF IOWA
UNIVERSITY OF NORTHERN IOWA

0 50
FEET

RAMP A

VPI = +75.00
EL = 894.49
L = 365.00'
K = 137
DESIGN SPPED = 60 MPH

-2.97%
-0.31%
-0.50% LT Ditch Grade

EXISTING GROUND

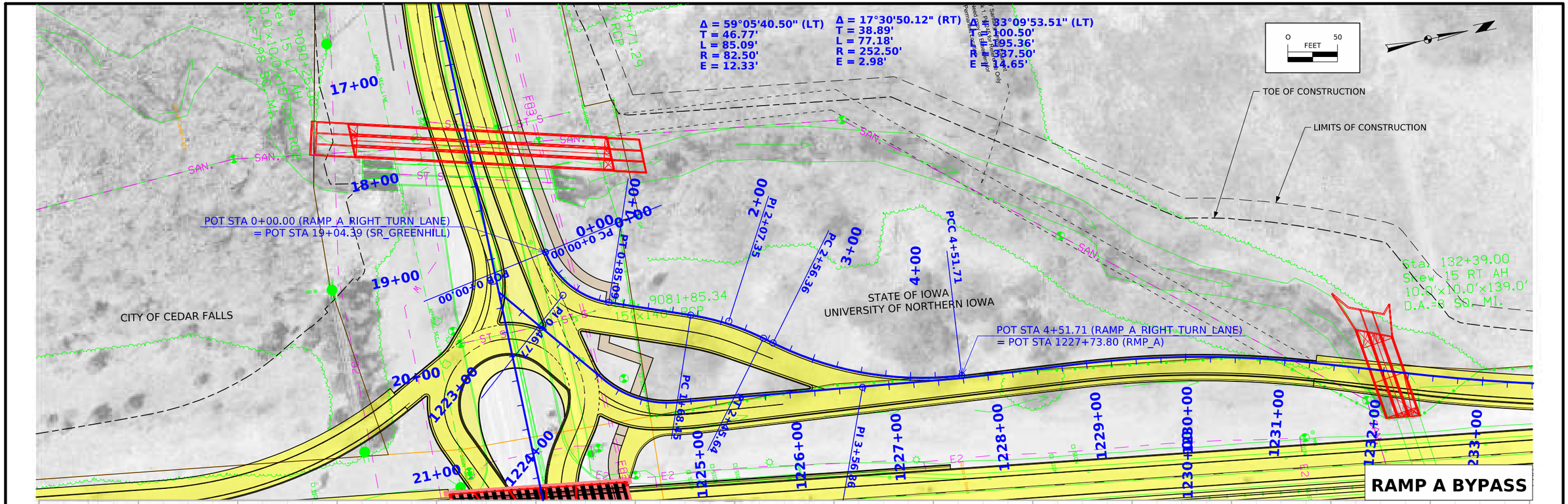
LT +60
888.82

896.62 896.14 895.71 895.32 894.98 894.68 894.43 894.23 894.07 893.95

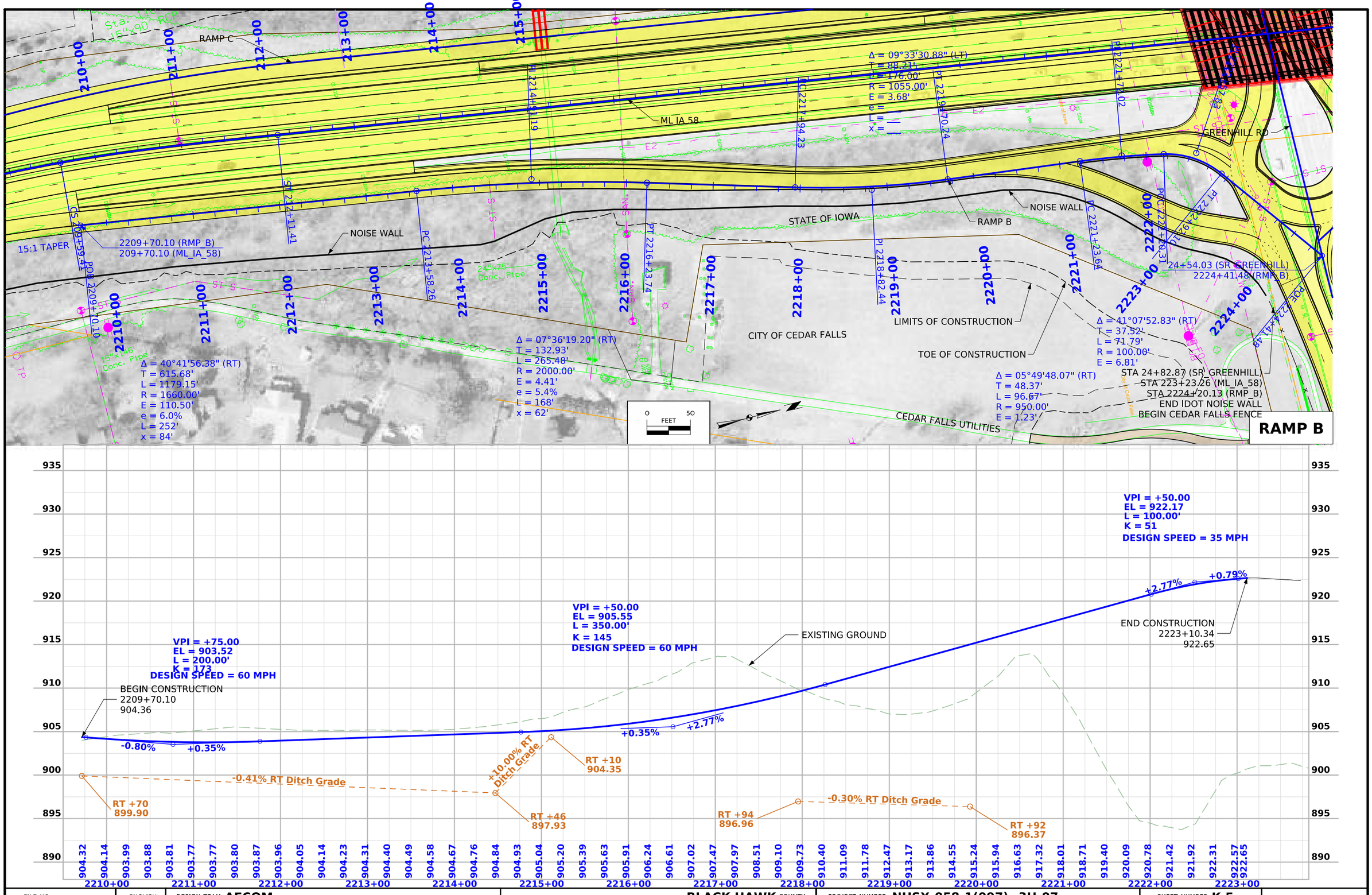
FILE NO.	ENGLISH	DESIGN TEAM **AECOM**	**BLACK HAWK** COUNTY	PROJECT NUMBER **NHSX-058-1(097)--3H-07**	SHEET NUMBER **K.3**

10:39:31 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\K02_Ramp_A_07058097Z05.dgn

GeomBL - Profile 2



FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER K.4

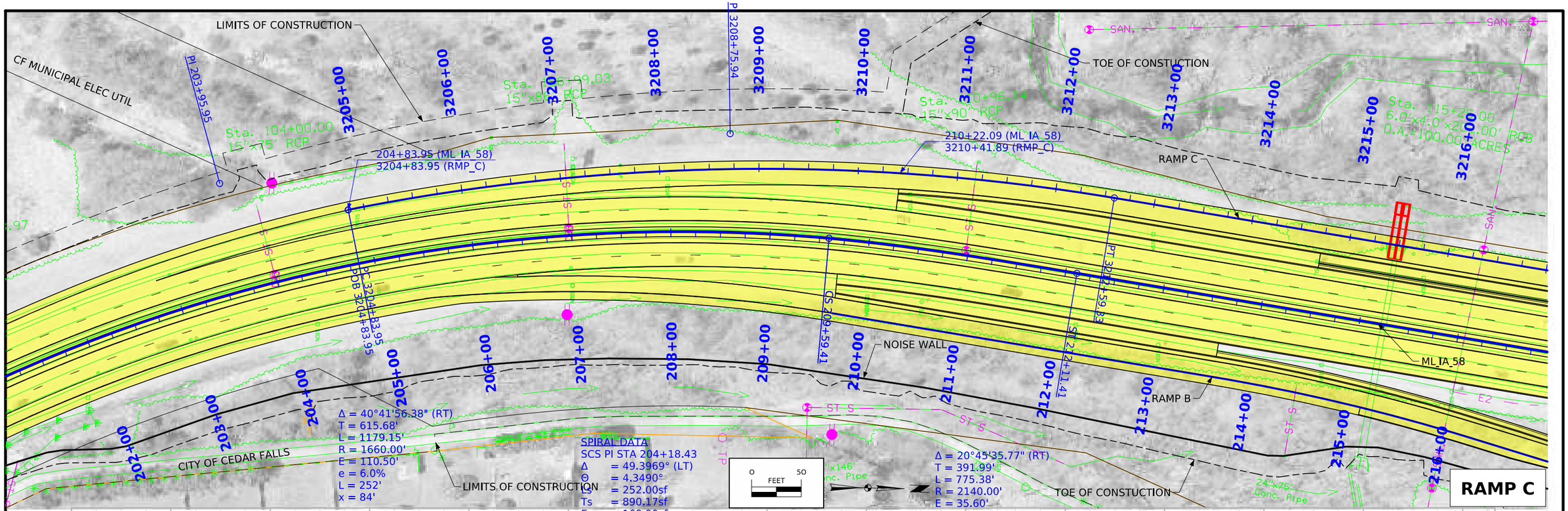


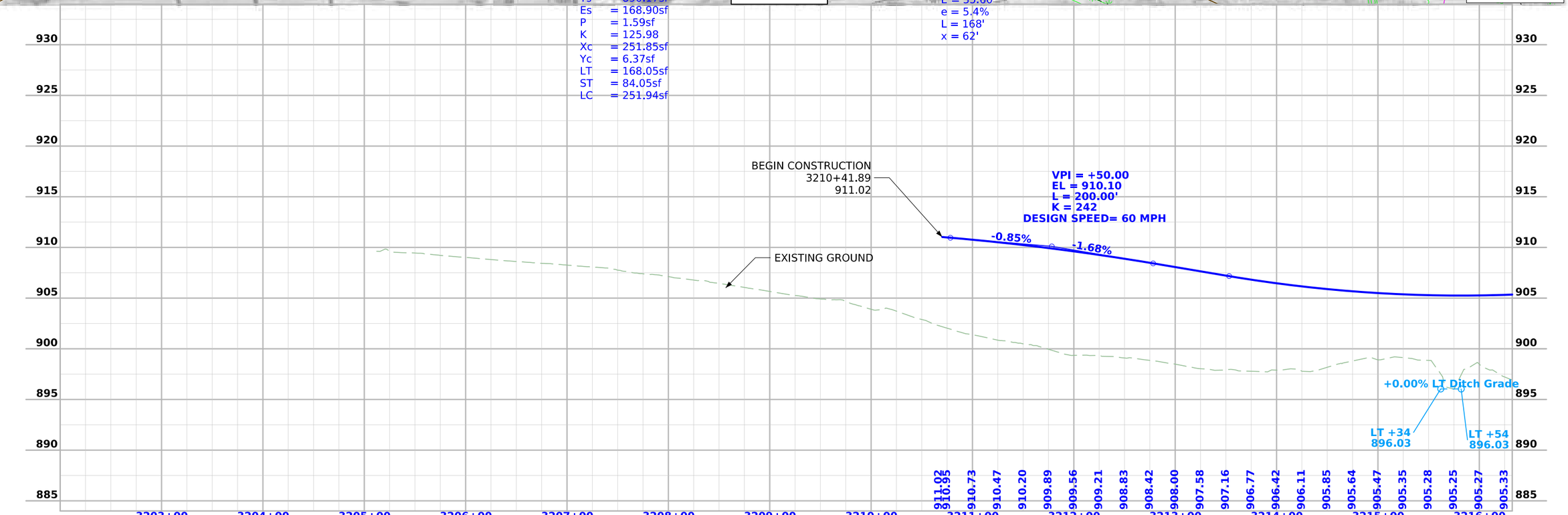
FILE NO.	ENGLISH	DESIGN TEAM **AECOM**	**BLACK HAWK** COUNTY	PROJECT NUMBER **NHSX-058-1(097)--3H-07**	SHEET NUMBER **K.5**

10:39:51 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\K05_Ramp_B_07058097Z05.dgn

FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER K.6

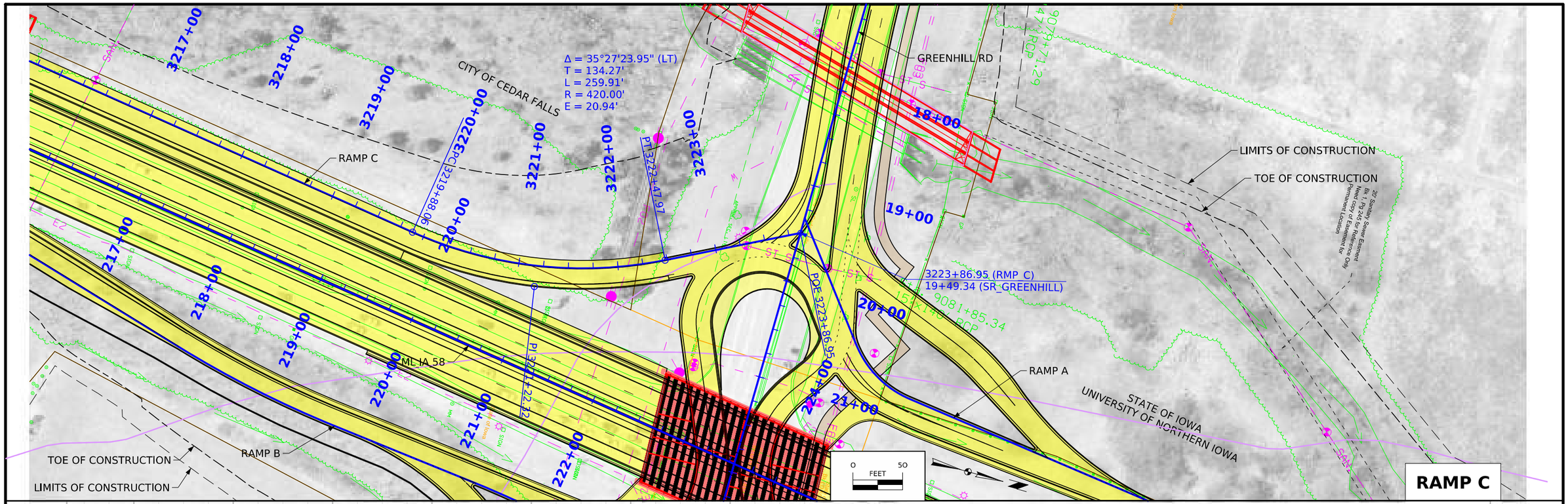
10:40:02 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\K06_Ramp_B_ByPass_07058097Z05.dgn

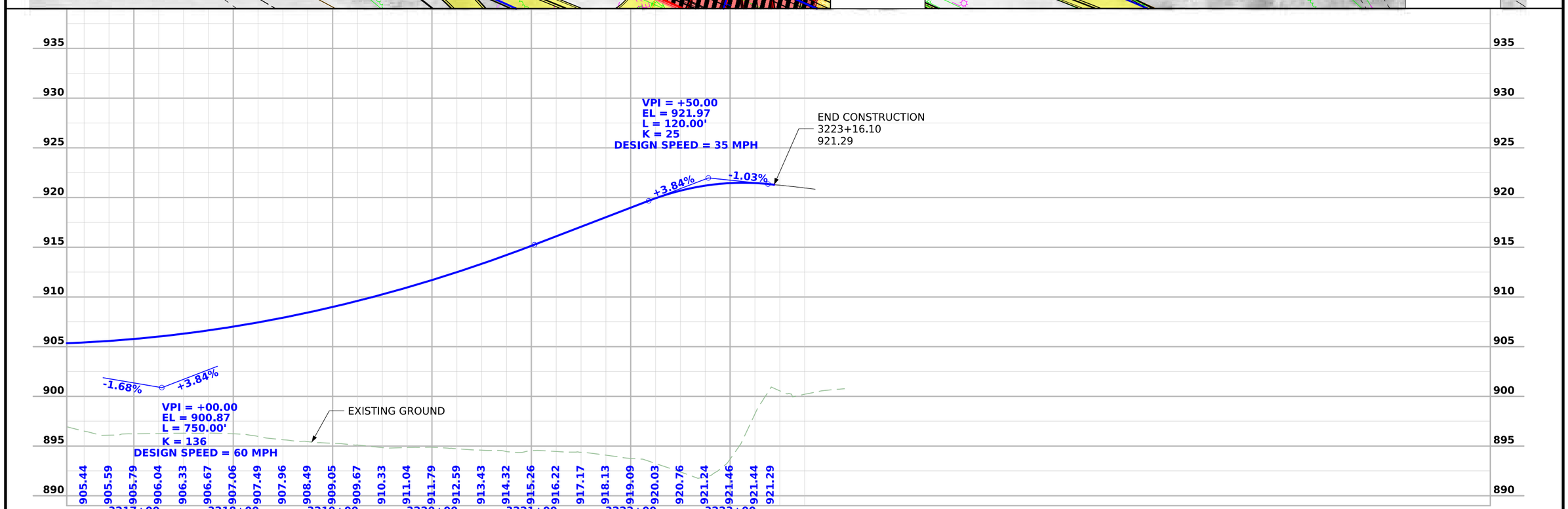




FILE NO.	ENGLISH	DESIGN TEAM **AECOM**	**BLACK HAWK** COUNTY	PROJECT NUMBER **NHSX-058-1(097)--3H-07**	SHEET NUMBER **K.7**

10:40:11 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\K07_Ramp_C_07058097Z05.dgn





FILE NO.	ENGLISH	DESIGN TEAM **AECOM**	**BLACK HAWK** COUNTY	PROJECT NUMBER **NHSX-058-1(097)--3H-07**	SHEET NUMBER **K.8**

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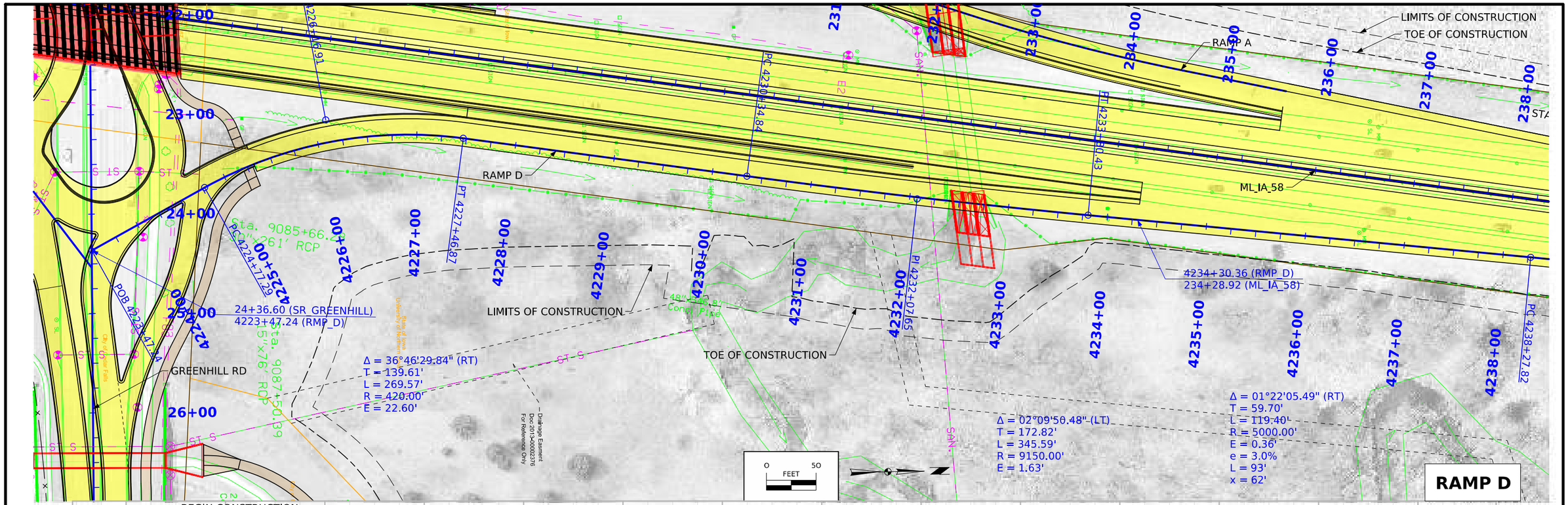
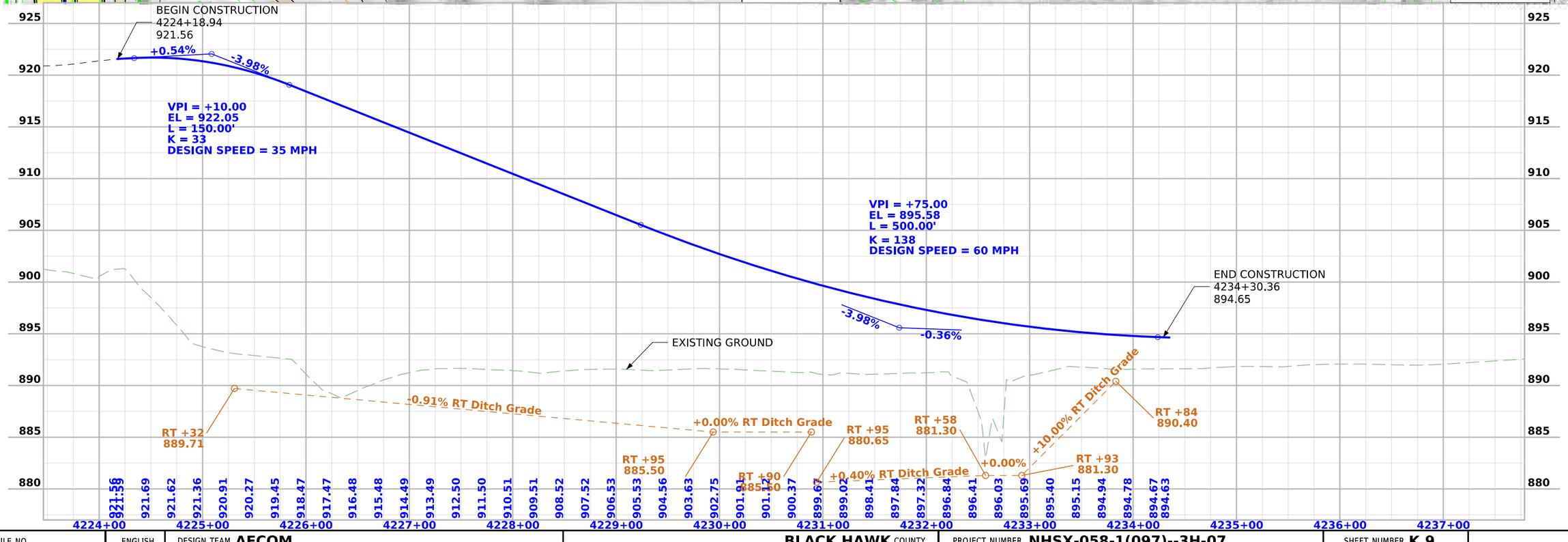
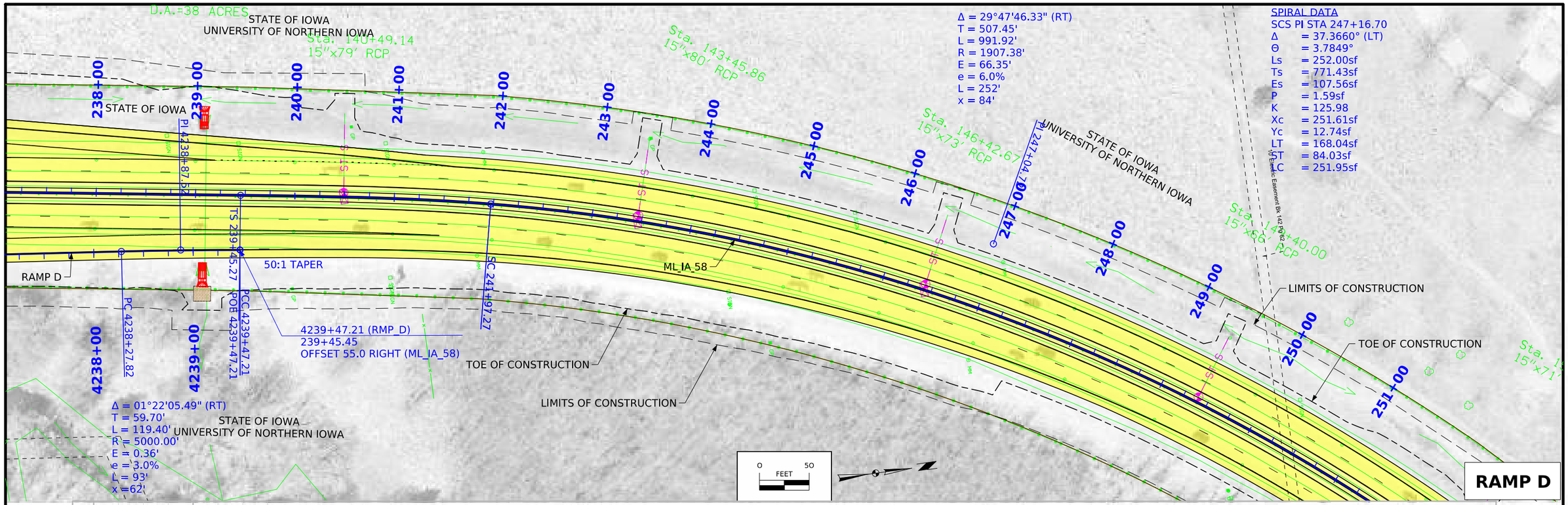




FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER K.9

10:40:22 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\K09_Ramp_D_07058097Z05.dgn



FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER K.10

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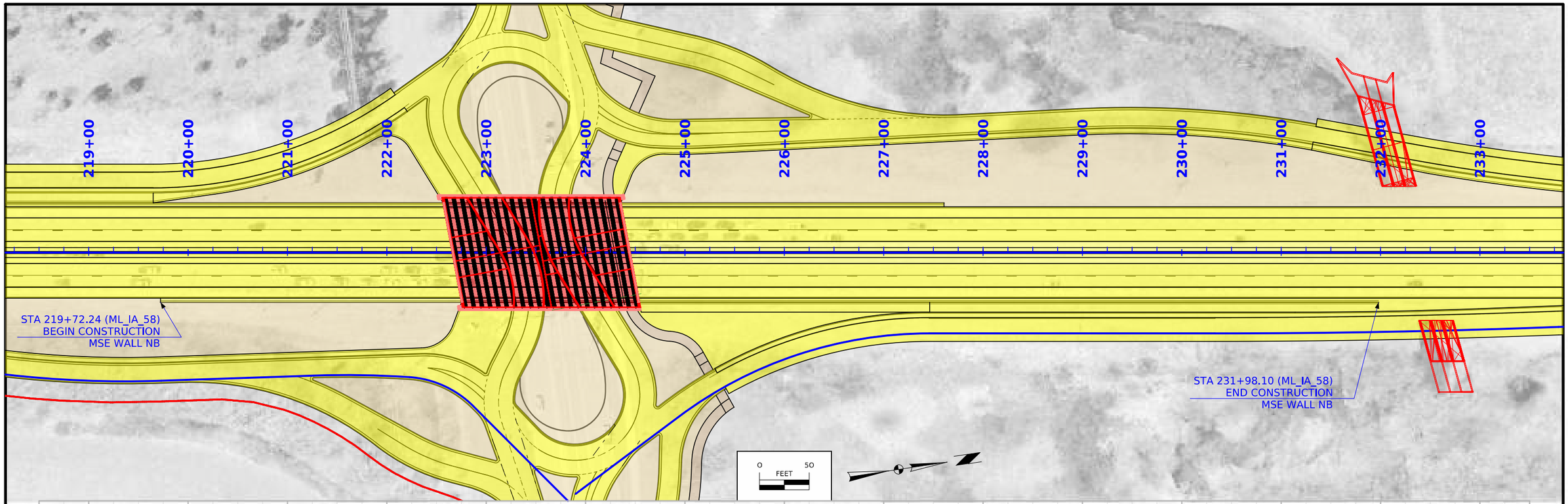

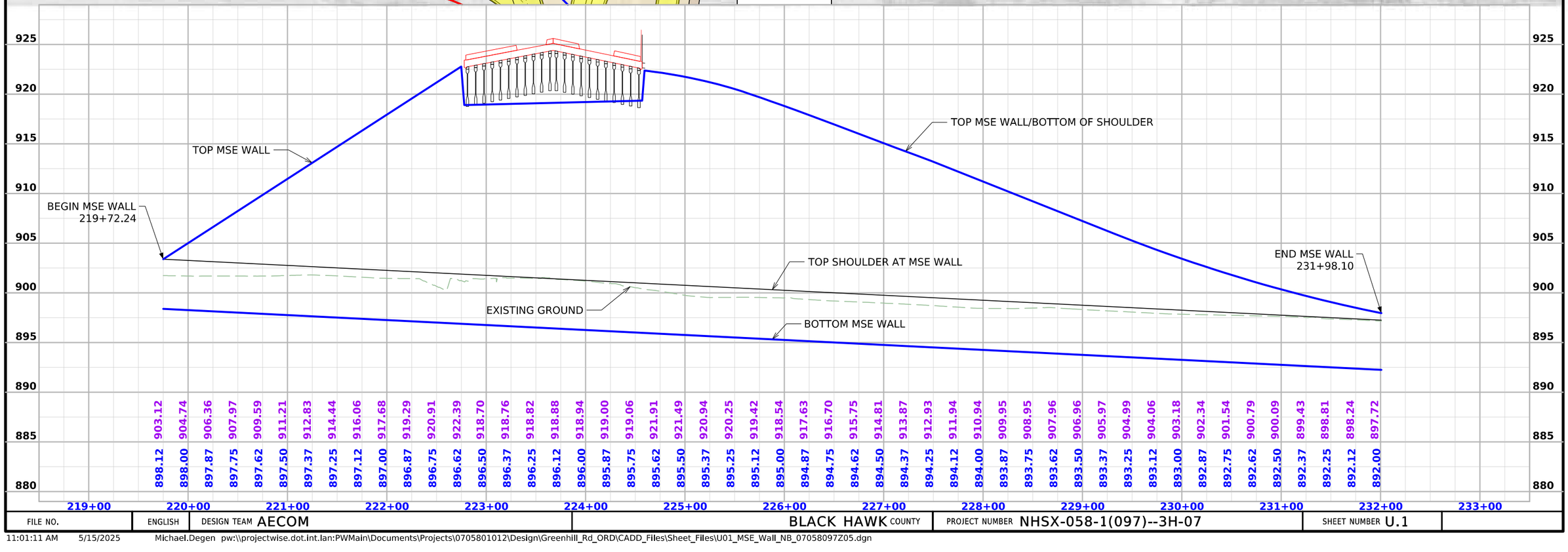

FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER U.1

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STA 214+50.00 (ML_IA_58)
BEGIN CONSTRUCTION
MSE WALL SB

STA 227+60.66 (ML_IA_58)
END CONSTRUCTION
MSE WALL SB

213+00 214+00 215+00 216+00 217+00 218+00 219+00 220+00 221+00 222+00 223+00 224+00 225+00 226+00 227+00

0 50
FEET

925 920 915 910 905 900 895 890 885 880

TOP OF MSE WALL

BEGIN MSE WALL
214+50.00

TOP OF MSE WALL/BOTTOM OF SHOULDER

TOP OF MSE WALL

TOP OF ML_IA58 SHOULDER

EXISTING GROUND

END MSE WALL
227+60.66

BOTTOM OF MSE WALL

905.43 905.57 905.81 905.87 905.88 905.92 906.02 906.15 906.34 906.57 906.85 907.17 907.54 907.95 908.41 908.92 909.47 910.07 910.71 911.40 912.14 913.42 914.25 915.07 915.90 916.72 917.55 918.37 919.20 920.02 920.85 921.67 922.50 918.95 918.89 918.83 918.77 918.71 918.65 918.59 922.11 920.32 918.53 916.74 914.95 913.16 911.36 909.57 907.78 905.99 904.20 902.40 900.61

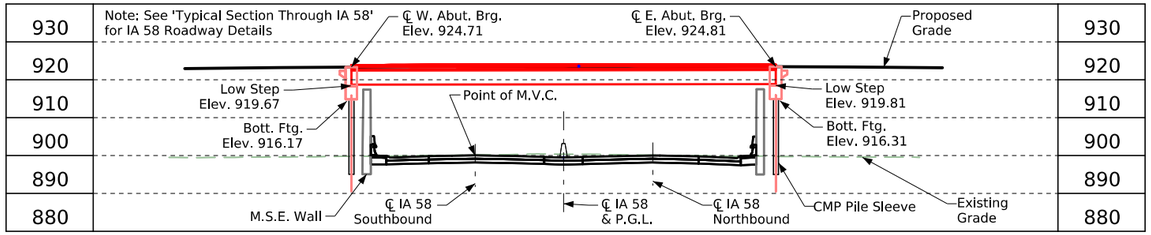
900.73 900.65 900.52 902.62 902.62 900.15 900.02 899.90 899.77 899.65 899.52 899.40 899.27 899.15 899.02 898.90 898.77 898.65 898.52 898.40 898.27 898.15 898.02 897.90 897.77 897.65 897.52 897.40 897.27 897.15 897.02 896.90 896.77 896.65 896.52 896.40 896.27 896.15 896.02 895.90 895.77 895.65 895.52 895.40 895.27 895.15 895.02 894.90 894.77 894.65 894.52 894.40 894.27

213+00 214+00 215+00 216+00 217+00 218+00 219+00 220+00 221+00 222+00 223+00 224+00 225+00 226+00 227+00

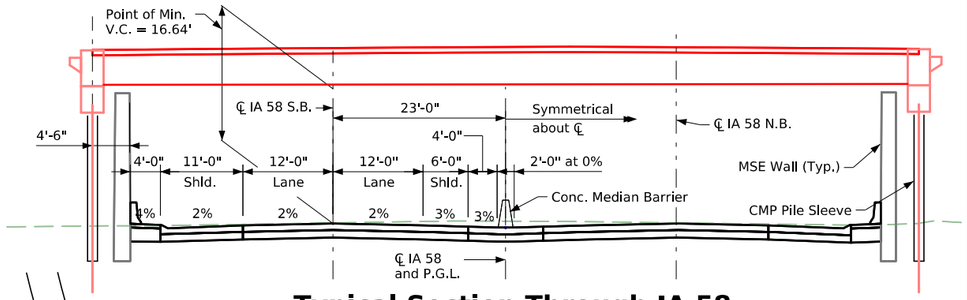
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER U.2

11:01:22 AM 5/15/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\U02_MSE_Wall_SB_07058097Z05.dgn

Control Point: 070271825
Northing: 8849013.25
Easting: 15447506.23
Elevation: 909.79
Description: CP Set Monuments 3" Deep and 0.9 Miles NE Along IA 58 from the Intersection of IA 58 and Greenhill Rd



Longitudinal Section Along ℄ Bridge



Typical Section Through IA 58

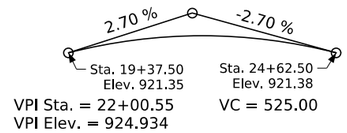
(Looking Upstation Under Structure)

Utilities Note:

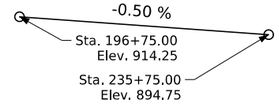
Utilities shown on this sheet are for information only.See Road Design sheets for utility information.

General Utility Symbols:

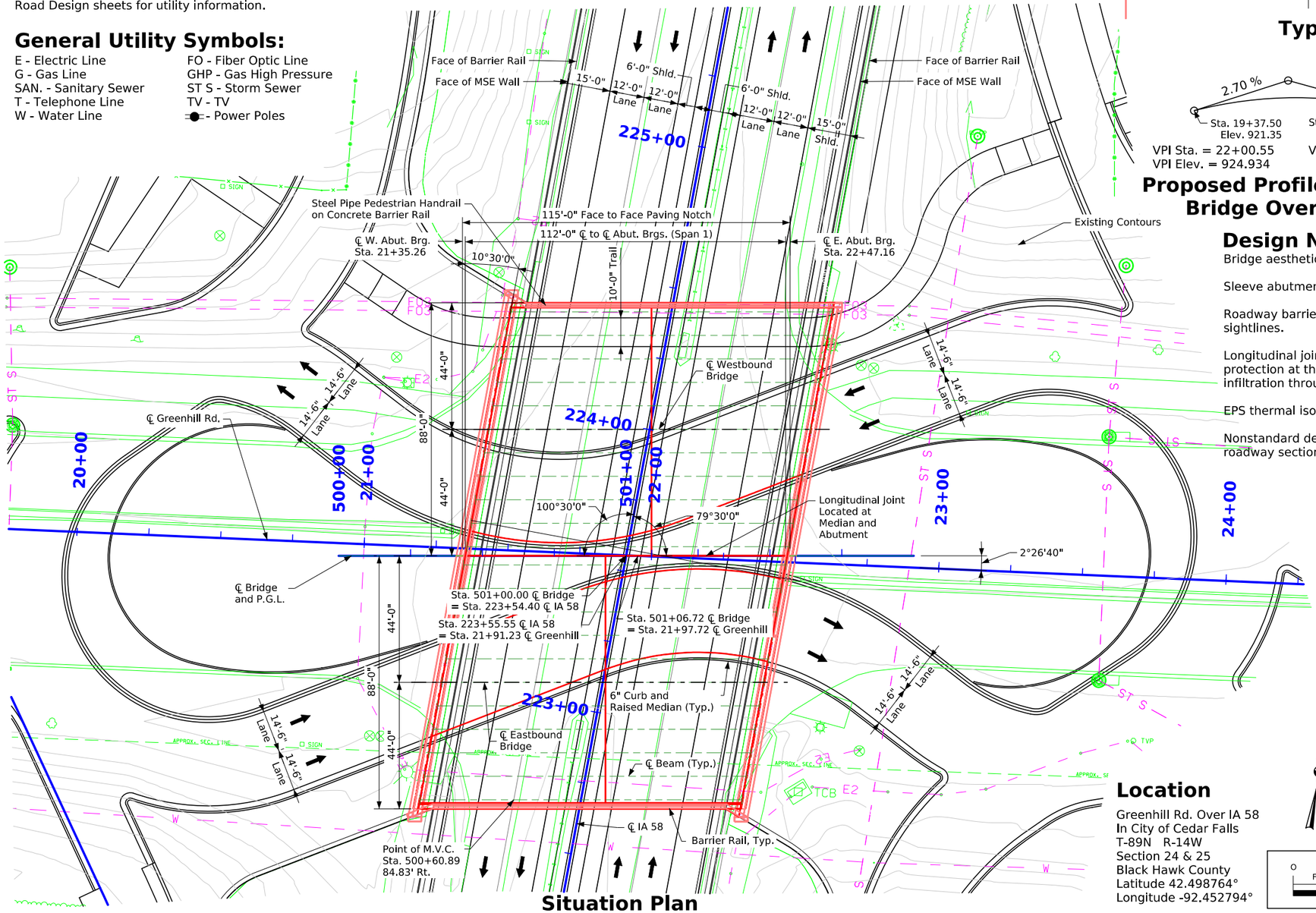
E - Electric Line
G - Gas Line
SAN. - Sanitary Sewer
T - Telephone Line
W - Water Line
FO - Fiber Optic Line
GHP - Gas High Pressure
ST S - Storm Sewer
TV - TV
⊕ - Power Poles



Proposed Profile Grade ℄ Bridge Over IA 58



Proposed Profile Grade IA 58 Under Greenhill Road



Situation Plan

Design Notes:

Bridge aesthetics to be incorporated in final design.

Sleeve abutment pile with a CMP to the bottom of MSE Wall(Typ.).

Roadway barriers to tie into the end of the bridge barriers outside of the limits of the roadway sightlines.

Longitudinal joint between bridges along the median and abutments. Additional joint protection at the backside of the abutments to be incorporated in final design to prevent infiltration through joint.

EPS thermal isolation between abutment and backfill may be incorporated into final design.

Nonstandard deck overhang and beam spacing assumed due to median deadload and curved roadway section.

Minimum Vertical Clearance

Overhead Station = 21+55.75, Offset 86.60
Overhead Elevation = 923.11
Depth of Superstructure = 4'-7 ½" (4.63')
Deck Thickness = 8 ½ in.
Estimated Haunch = 2 in.
Beam Depth = 45 in.
Underpass Station = 222+63.23, Offset -23.00
Underpass Elevation = 901.85
Minimum Vertical Clearance = 16.64'

Traffic Estimate

Greenhill Road

2022 AADT	10,400	V.P.D.
2050 AADT	20,100	V.P.D.
2050 DHV	2,400	V.P.H.
TRUCKS	3	%
Total Design ESALs	--	

Traffic Estimate

IA 58

2022 AADT	21,200	V.P.D.
2050 AADT	31,800	V.P.D.
2050 DHV	4,970	V.P.H.
TRUCKS	5	%
Total Design ESALs	--	

Location

Greenhill Rd. Over IA 58
In City of Cedar Falls
T-89N R-14W
Section 24 & 25
Black Hawk County
Latitude 42.498764°
Longitude -92.452794°

N

0 20 FEET

Design For 10.5 Degree LA

2- 112'-0" x 88'-0" Pretensioned Prestressed Concrete Beam Bridge

112'-0" Single Span

Situation Plan

STA. 21+97.72 (℄ Greenhill)

Turn-in Date: April 2025

Black Hawk County

IOWA DEPARTMENT OF TRANSPORTATION

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

FILE NO.	ENGLISH	DESIGN TEAM **AECOM**	**Black Hawk** COUNTY	PROJECT NUMBER **NHSX-058-1(104)--3H-07**	SHEET NUMBER **V.1**

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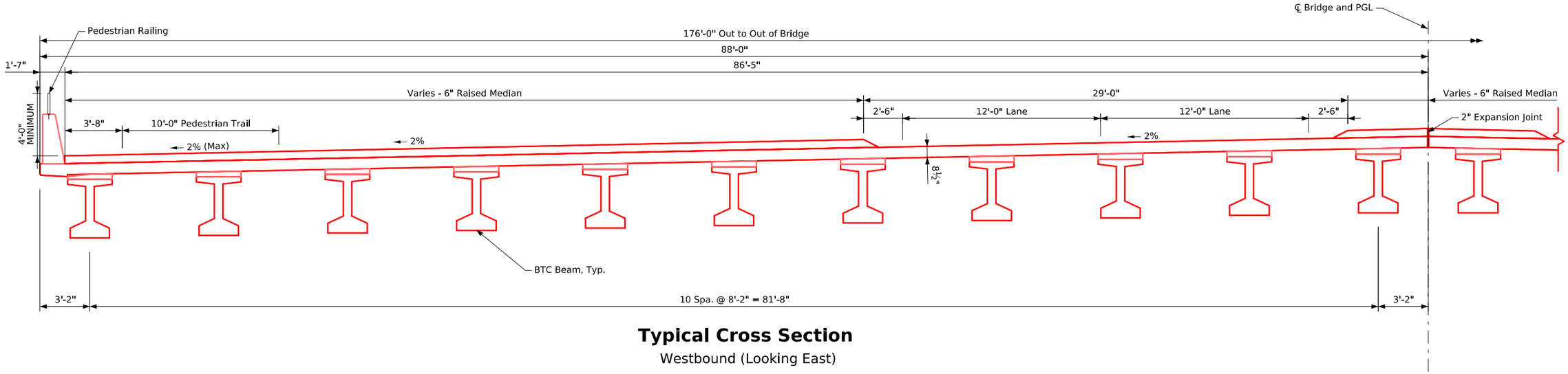
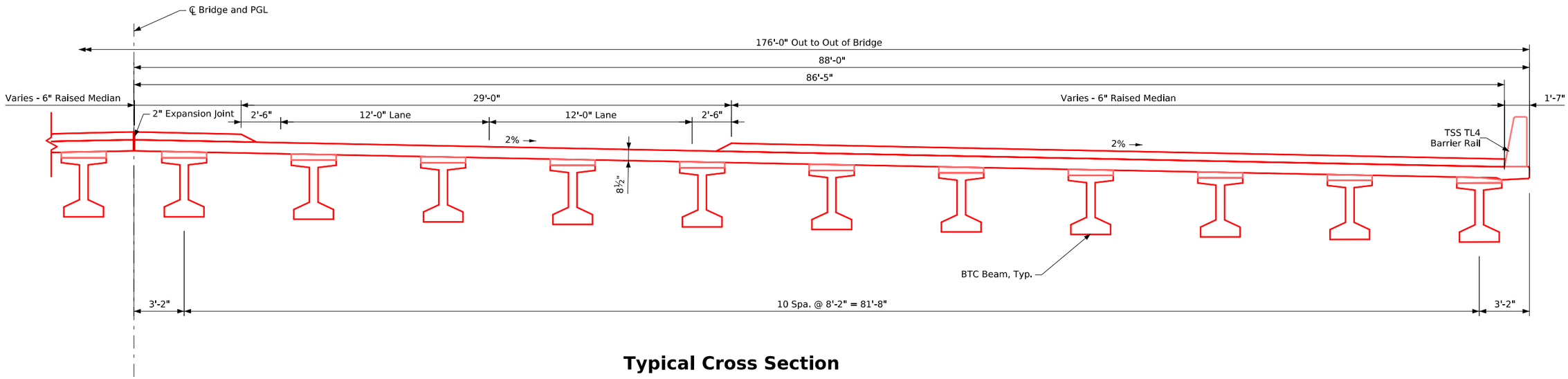


Typical Cross Section

Westbound (Looking East)



Typical Cross Section

Eastbound (Looking East)

Design For 10.5 Degree LA

2- 112'-0" x 88'-0" Pretensioned Prestressed Concrete Beam Bridge

112'-0" End Spans Span Interior Span

Bridge Deck Cross Section

STA. 21+97.72 (℄ Greenhill) Turn-in Date: April 2025

Black Hawk County

IOWA DEPARTMENT OF TRANSPORTATION

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

FILE NO.	ENGLISH	DESIGN TEAM **AECOM**	**Black Hawk** COUNTY	PROJECT NUMBER **NHSX-058-1(104)--3H-07**	SHEET NUMBER **V.2**

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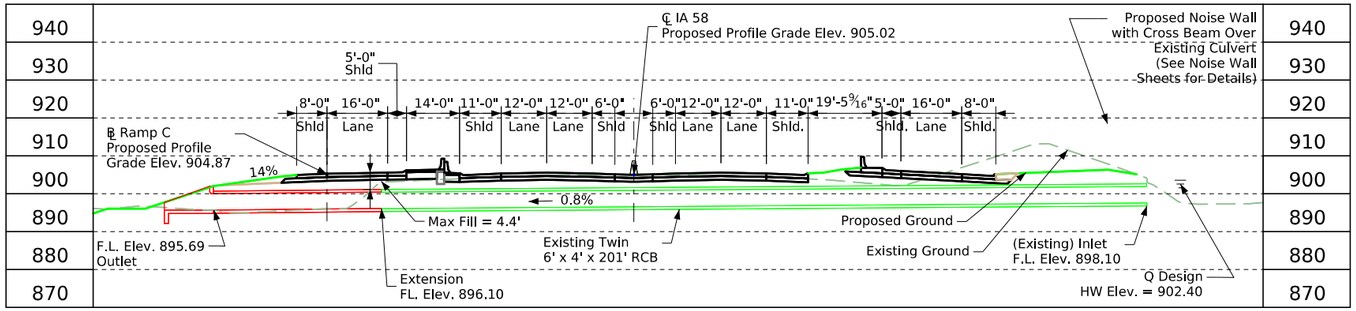
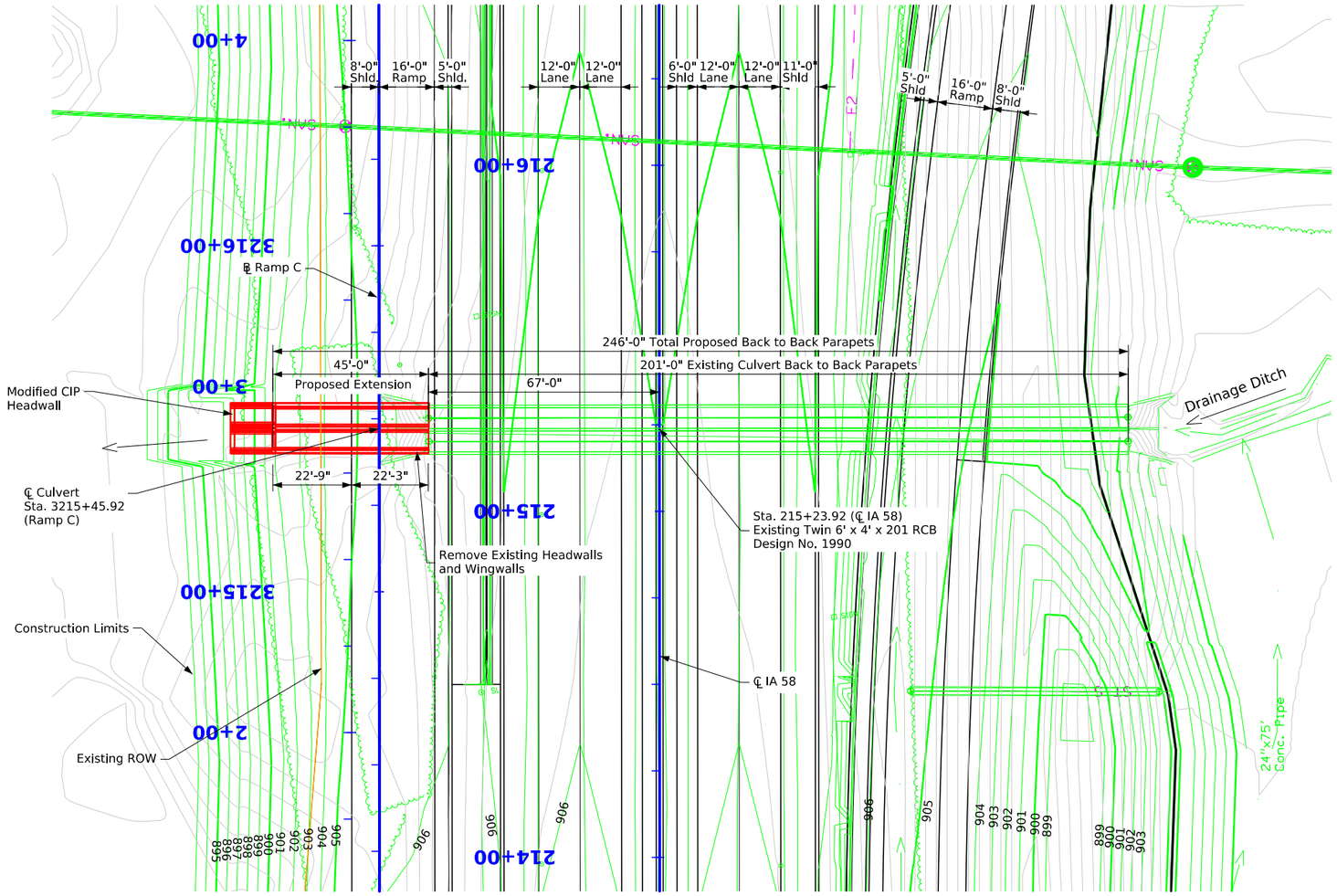
Control Point: CP4, N: 8844769.08, E: 15447612.06, Elev: 947.38
Description: Cp Set Feno Monument 3 In. Deep And 430 ft. E. Of The Intersection Of Greenhill Rd And S. Main St. Monument Is 9ft S Of South Back Of Curb Along Greenhill Rd. 2 ft. N Of North Edge PCC Sidewalk And 78 ft. E. Of Fire Hydrant



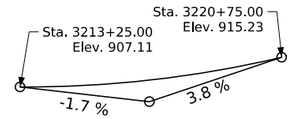
Longitudinal Section Along ℄ Culvert



Situation Plan

Location

IA 58 Over Dainage Ditch
In City of Cedar Falls
T-89N R-14W
Section 25
Black Hawk County
Latitude 42.496541°
Longitude -92.453219°



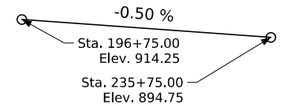
VPI Sta. = 3217+00.00 VC = 750.00'
VPI Elev. = 900.80

Proposed Profile Grade Ramp C

Hydraulic Data

RIDB: Not Applicable
Drainage Area = 89.7 Acres
Stream Slope = 110.7 Ft./Mi.
Q_{50} = 274.10 cfs
HW Elev. = 902.40
Exit Velocity = 12.29 fps

Q_{100} = 342.50 cfs
HW Elev. = 903.09
Exit Velocity = 13.03 fps



Proposed Profile Grade On IA 58

Traffic Estimate

2022 AADT	21,200 V.P.D.
2050 AADT	31,800 V.P.D.
2050 DHV	4,970 V.P.H.
TRUCKS	5 %

General Notes:

This design is for the extension of the existing Twin 6' x 4' x 201' reinforced concrete box culvert, Design No. 1990.

Design Notes:

This extension requires a modified Twin 6' x 4' headwall.

Drainage shall be maintained throughout construction.

Construction will follow overall traffic control staging plan for roadway construction.

Utilities Note:

Utilities shown on this sheet are for information only.See Road Design sheets for utility information.

General Utility Symbols:

E - Electric Line
G - Gas Line
SAN. - Sanitary Sewer
T - Telephone Line
W - Water Line
FO - Fiber Optic Line
GHP - Gas High Pressure
ST S - Storm Sewer
TV - TV
- Power Poles

0 20
Scale In Feet

LICENSED PROFESSIONAL ENGINEER
DANIEL D. KIMBALL
21000
IOWA

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

Signature Date
DANIEL D. KIMBALL
Printed or Typed Name

My license renewal date is December 31, 2025

Pages or sheets covered by this seal:

Design For 0 Degree Skew

Reinforced Concrete Box Extension - Twin 6' x 4'

Situation Plan

STA. 215+23.92 (IA 58)

Turn-in Date:

Black Hawk County

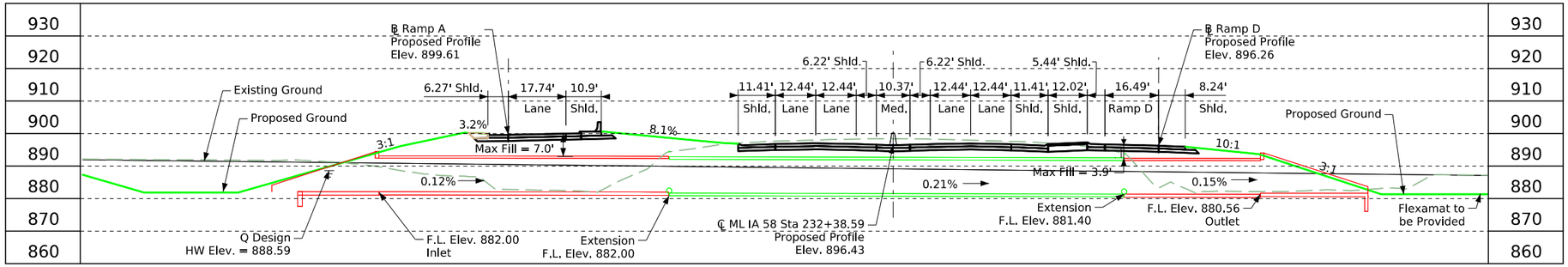
IOWA DEPARTMENT OF TRANSPORTATION

Design No. Design Sheet No. 1 of 1 FHWA/Asset

FILE NO.	ENGLISH	DESIGN TEAM **AECOM**	**Black Hawk** COUNTY	PROJECT NUMBER **NHSX-058-1(113)--3H-07**	SHEET NUMBER V.3

10:07:42 AM 5/28/2025 tyler.gamerdinger pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Bridge\(97)_Unknown Pavement - Grade and New\SHT_ORD_07058097_AECOM_IA58215_CIP_Z05.dgn

Control Point: CP4, N: 8844769.08, E: 15447612.06, Elev: 947.38
DESCRIPTION: CP SET FENO MONUMENT 3IN DEEP AND 430FT E OF THE INTERSECTION OF GREENHILL RD AND S MAIN ST MONUMENT IS 9FT S OF SOUTH BACK OF CURB ALONG GREENHILL RD 2FT N OF NORTH EDGE PCC SIDEWALK AND 78FT E OF FIRE HYDRANT



Longitudinal Section Along ℄ Culvert

General Note:

This design is for the extension of the existing Triple 10' x 10' x 139' RCB Culvert, Design No. 190, FHWA No. 601255.

Design Notes:

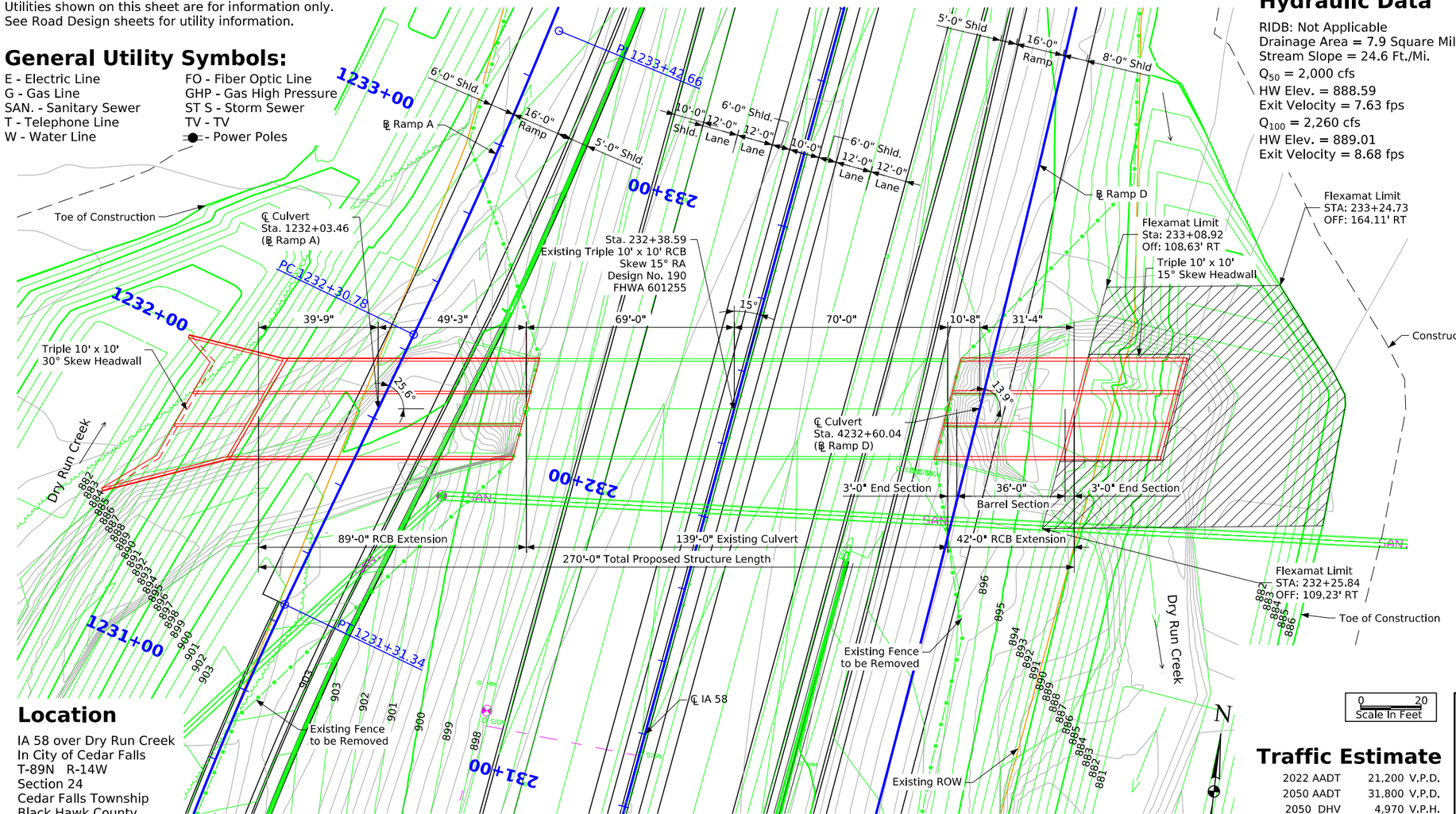
-Flexamat is proposed at the culvert outlet based on channel geometry.
-Precast alternative is not feasible based on Existing triple RCB configuration.
-FEMA mapped Zone AE Flood Plain.
-Drainage must be maintained throughout construction.
-Iowa DNR Flood Plain Permit is required.
-Extensions to be constructed in stages corresponding to overall traffic control plan.
-Flared wingwalls at the inlet required for hydraulic efficiency.
-Flared wingwalls shall be 30°.

Utilities Note:

Utilities shown on this sheet are for information only.
See Road Design sheets for utility information.

General Utility Symbols:

E - Electric Line
G - Gas Line
SAN. - Sanitary Sewer
T - Telephone Line
W - Water Line
FO - Fiber Optic Line
GHP - Gas High Pressure
ST S - Storm Sewer
TV - TV
- Power Poles



Situation Plan

Location

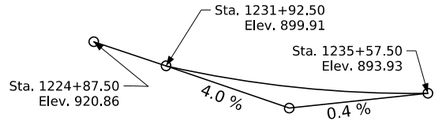
IA 58 over Dry Run Creek
In City of Cedar Falls
T-89N R-14W
Section 24
Cedar Falls Township
Black Hawk County
Latitude 42.501144°
Longitude -92.452321°

Hydraulic Data

RIDB: Not Applicable
Drainage Area = 7.9 Square Miles
Stream Slope = 24.6 Ft./Mi.
Q_{50} = 2,000 cfs
HW Elev. = 888.59
Exit Velocity = 7.63 fps
Q_{100} = 2,260 cfs
HW Elev. = 889.01
Exit Velocity = 8.68 fps

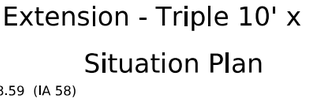
Traffic Estimate

2022 AADT	21,200 V.P.D.
2050 AADT	31,800 V.P.D.
2050 DHV	4,970 V.P.H.
TRUCKS	5 %
Total Design ESALs	--



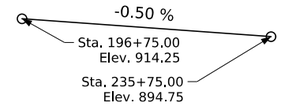
VPI Sta. = 1233+75.00 VC = 365.00'
VPI Elev. = 894.49

Proposed Profile Grade Ramp A



VPI Sta. = 4231+75.00 VC = 500.00'
VPI Elev. = 895.58

Proposed Profile Grade Ramp D



Proposed Profile Grade IA 58 Under Greenhill Road

LICENSED PROFESSIONAL ENGINEER
DANIEL D. KIMBALL
21090
IOWA

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

Signature Date
DANIEL D. KIMBALL
Printed or Typed Name

My license renewal date is December 31, 2025

Pages or sheets covered by this seal: _____

Design For 15 Degree RA

Reinforced Concrete Box Extension - Triple 10' x 10'

Situation Plan

STA. 232+38.59 (IA 58)
Turn-in Date:

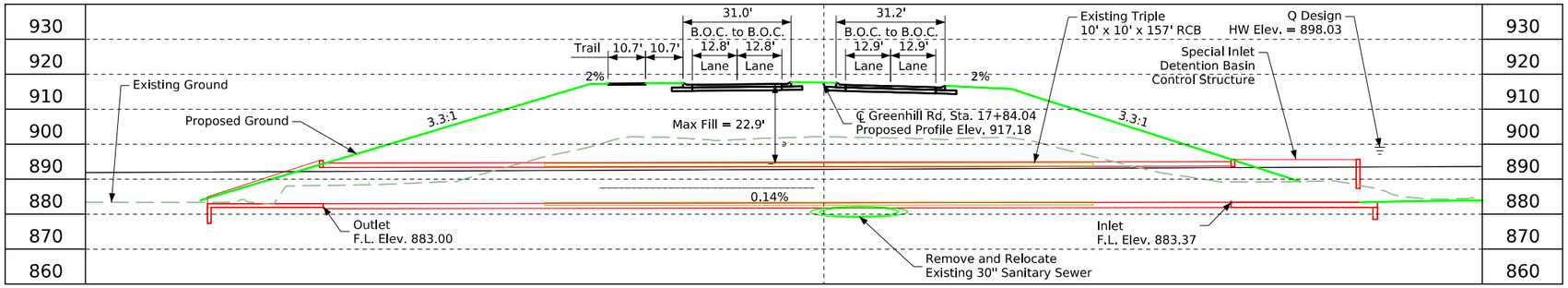
Black Hawk County
IOWA DEPARTMENT OF TRANSPORTATION

Design No. | Design Sheet No. 1 of 1 | FHWA/Asset 601255

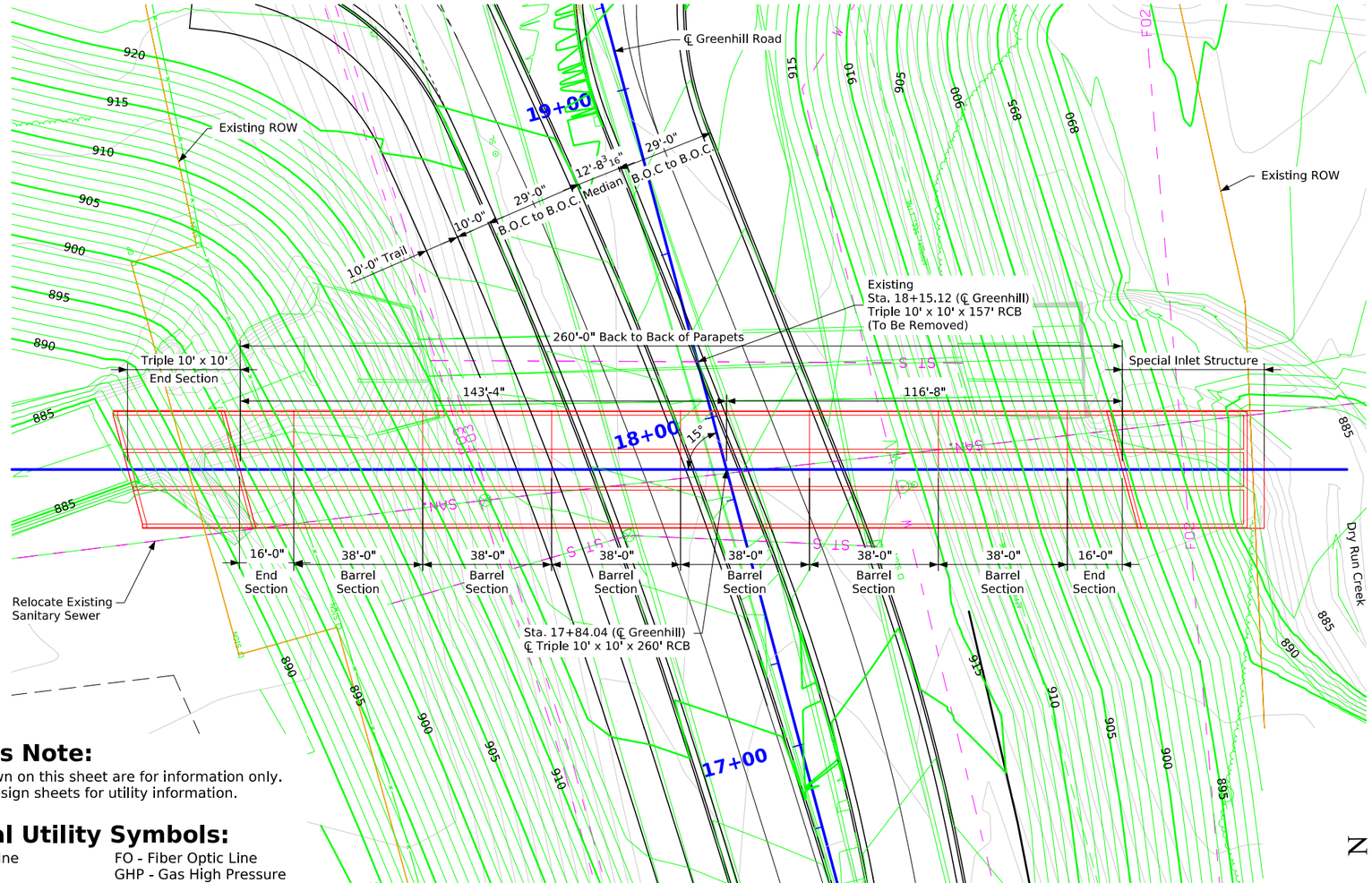
FILE NO.	ENGLISH	DESIGN TEAM **AECOM**	**Black Hawk** COUNTY	PROJECT NUMBER **NHSX-058-1(105)--3H-07**	SHEET NUMBER V.4

10:07:51 AM 5/28/2025 tyler.gamerdinger w:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Bridge\(97)_Unknown Pavement - Grade and New\SHT_ORD_07058097_AECOM_IA58232_CIP_Z05.dgn

Control Point: CP4, N: 8844769.08, E: 15447612.06, Elev: 947.38
Description: Cp Set Feno Monument 3 In. Deep And 430 ft. E. Of The Intersection Of Greenhill Rd And S. Main St. Monument Is 9ft S Of South Back Of Curb Along Greenhill Rd. 2 ft. N Of North Edge PCC Sidewalk And 78 ft. E. Of Fire Hydrant



Longitudinal Section Along ℄ Culvert



Situation Plan

Utilities Note:

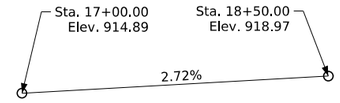
Utilities shown on this sheet are for information only.
See Road Design sheets for utility information.

General Utility Symbols:

E - Electric Line
G - Gas Line
SAN. - Sanitary Sewer
T - Telephone Line
W - Water Line
FO - Fiber Optic Line
GHP - Gas High Pressure
ST S - Storm Sewer
TV - TV
- Power Poles

Location

Greenhill Rd Over
Dry Run Creek
In City of Cedar Falls
T-89N R-14W
Section 24
Cedar Falls Township
Black Hawk County
Latitude 42.498775°
Longitude -92.454311°



Proposed Profile Grade Greenhill Rd Over IA 58

Hydraulic Data

RIDB: Not Applicable
Drainage Area = 7.9 Square Miles
Stream Slope = 24.6 Ft./Mi.
Q_{50}(In) = 2,000 cfs
Q_{50}(Out) = 1,440 cfs
HW Elev. = 898.03
Exit Velocity = 6.73 fps

Q_{100}(In) = 2,260 cfs
Q_{100}(Out) = 1,720 cfs
HW Elev. = 898.40
Exit Velocity = 7.41 fps

Traffic Estimate

2022 AADT	10,400 V.P.D.
2050 AADT	20,100 V.P.D.
2050 DHV	2,400 V.P.H.
TRUCKS	3 %

Design Notes:

Special inlet structure required for detention basin flow control.

Precast option eliminated due to need for special inlet structure.

FEMA mapped zone AE floodplain.

Drainage to be maintained throughout construction.

Greenhill Road will be closed to traffic during construction.

An Iowa DNR Flood Plain Permit is required.

General Notes:

This design is for the replacement of the existing triple 10'-0" x 10'-0" x 157'-0" CIP reinforced concrete box culvert, FHWA No. 504225.

Hydraulic Design

LICENSED PROFESSIONAL ENGINEER
DANIEL D. KIMBALL
21090
IOWA

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

Signature Date
DANIEL D. KIMBALL
Printed or Typed Name

My license renewal date is December 31, 2025

Pages or sheets covered by this seal: _____

Design For 15 Degree LA

Triple 10' x 10' x 260' Cast in Place RCB

Situation Plan - CIP

STA. 17+84.04 (Greenhill Rd)
Turn-in Date: Mar. 2025

Black Hawk County

IOWA DEPARTMENT OF TRANSPORTATION

Design No. | Design Sheet No. 1 of 2 | FHWA/Asset 504226

FILE NO.	ENGLISH	DESIGN TEAM **AECOM**	**Black Hawk** COUNTY	PROJECT NUMBER **NHSX-058-1(114)-3H-07**	SHEET NUMBER V.5	

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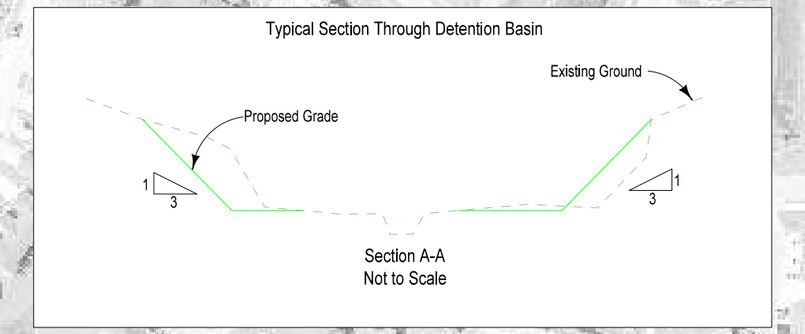

Dry Run Creek Detention Basin - Summary of Discharges					
			Ponding	Basin	Basin
	Inflow (cfs)	Outflow (cfs)	Elevation (ft)	Proposed Fill (cy)	Cut (cy)
10% Annual Chance	1,560	1,070	897.00	9,237	23,203
2% Annual Chance	2,000	1,440	898.03	12,668	24,911
1% Annual Chance	2,260	1,720	898.40	14,021	25,343
0.2% Annual Chance	2,900	2,280	899.13	16,828	25,958

ASHWORTH DRIVE

GREENHILL ROAD

DRY RUN CREEK DETENTION BASIN

GRADING AREAS

AA

900'
895'
894'
892'
890'
892'
890'
895'
900'
905'
910'

TRIPLE 10 x 10' RCB DETENTION OUTLET

TRIPLE 10 x 10' RCB EXTENSION

58

58

0 100 FEET

Design For 15 Degree LA

Triple 10' x 10' x 260' Cast in Place RCB

Detention Basin Grading

STA. 17+84.04 (Greenhill Rd)

Turn-in Date: Mar. 2025

Black Hawk County

IOWA DEPARTMENT OF TRANSPORTATION

Design No. | Design Sheet No. 2 of 2 | FHWA/Asset 504226

FILE NO.	ENGLISH	DESIGN TEAM **AECOM**	**Black Hawk** COUNTY	PROJECT NUMBER **NHSX-058-1(114)-3H-07**	SHEET NUMBER V.6

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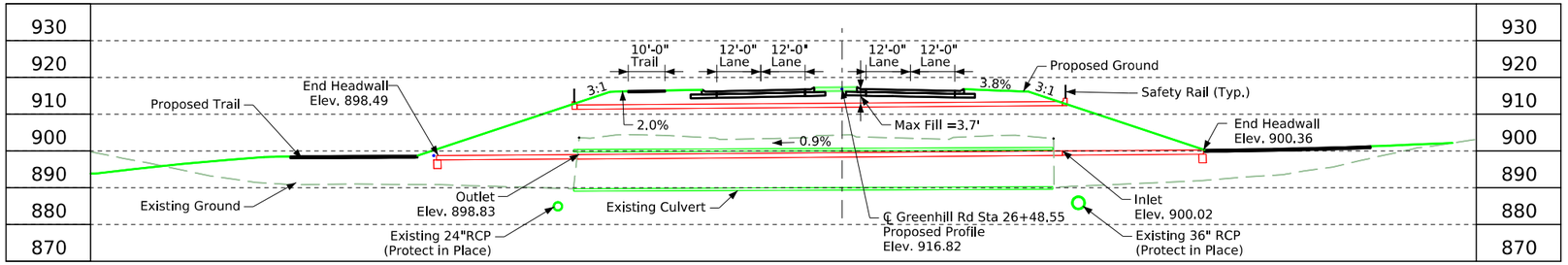
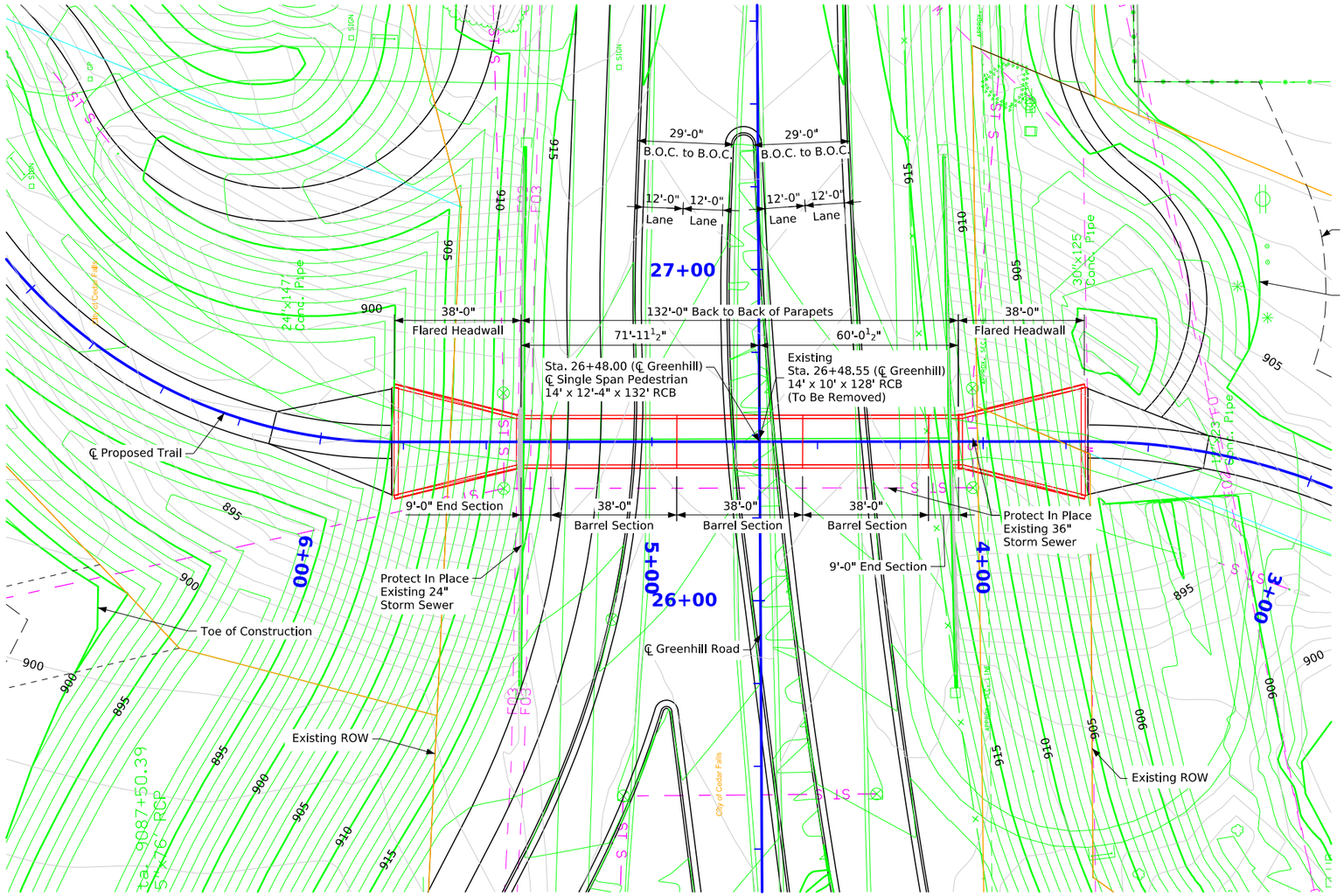
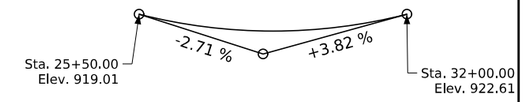
Control Point: CP4, N: 8844769.08, E: 15447612.06, Elev: 947.38
Description: CP Set Feno Monument 3 In. Deep And 430ft E Of The Intersection Of Greenhill Rd And S Main St Monument Is 9ft S Of South Back Of Curb Along Greenhill Rd 2ft N Of North Edge PCC Sidewalk And 78ft E Of Fire Hydrant



Longitudinal Section Along ℄ Culvert



Situation Plan



VPI Sta. = 28+75.00 VC = 650.00'
VPI Elev. = 910.20

Proposed Profile Grade Greenhill Rd Over IA 58

Traffic Estimate

2022 AADT	10,400 V.P.D.
2050 AADT	20,100 V.P.D.
2050 DHV	2,400 V.P.H.
TRUCKS	3 %

Location

Greenhill Rd
Pedestrian Culvert
In City of Cedar Falls
T-89N R-14W
Section 24
Cedar Falls Township
Black Hawk County
Latitude 42.498761°
Longitude -92.451108°

Plan Notes:

Safety rail needed for pedestrian culvert.

Lighting inside culvert will be required.

Cast in place headwall will be sloped to maintain positive drainage.

General Notes:

This design is for the replacement of the existing 14'-0" x 10'-0" x 128'-0" precast reinforced concrete box culvert with a cast in place 14'-0" x 12'-4" x 132' pedestrian culvert.

Greenhill Road will be closed to traffic during construction. Follow overall traffic control plan for staging information.

Utilities Note:

Utilities shown on this sheet are for information only. See Road Design sheets for utility information.

General Utility Symbols:

E - Electric Line
G - Gas Line
SAN. - Sanitary Sewer
T - Telephone Line
W - Water Line
FO - Fiber Optic Line
GHP - Gas High Pressure
ST S - Storm Sewer
TV - TV
- Power Poles

N

0 20
Scale In Feet

Design For 0° Skew

14'-0" x 12'-4" x 132' Cast In Place Pedestrian Culvert

Situation Plan

STA. 26+48.00 (Greenhill Rd)

Turn-in Date:

Black Hawk County
IOWA DEPARTMENT OF TRANSPORTATION

Design No. | Design Sheet No. 1 of 1 | FHWA/Asset

FILE NO.	ENGLISH	DESIGN TEAM **AECOM**	**Black Hawk** COUNTY	PROJECT NUMBER **NHSX-058-1(115)--3H-07**	SHEET NUMBER V.7

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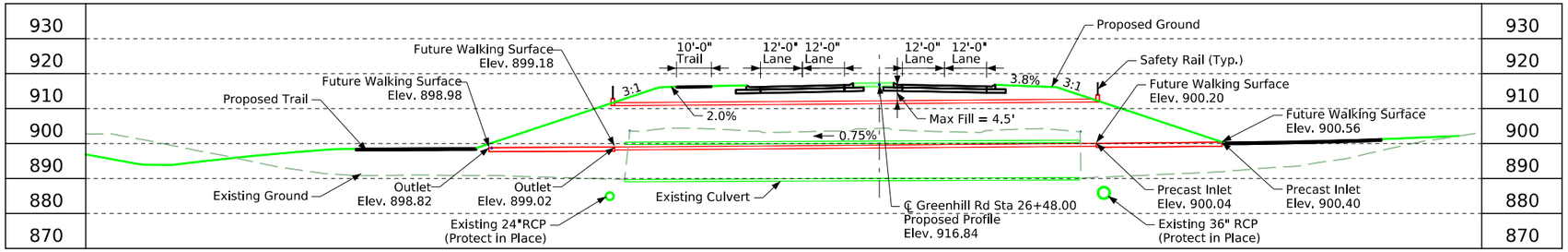
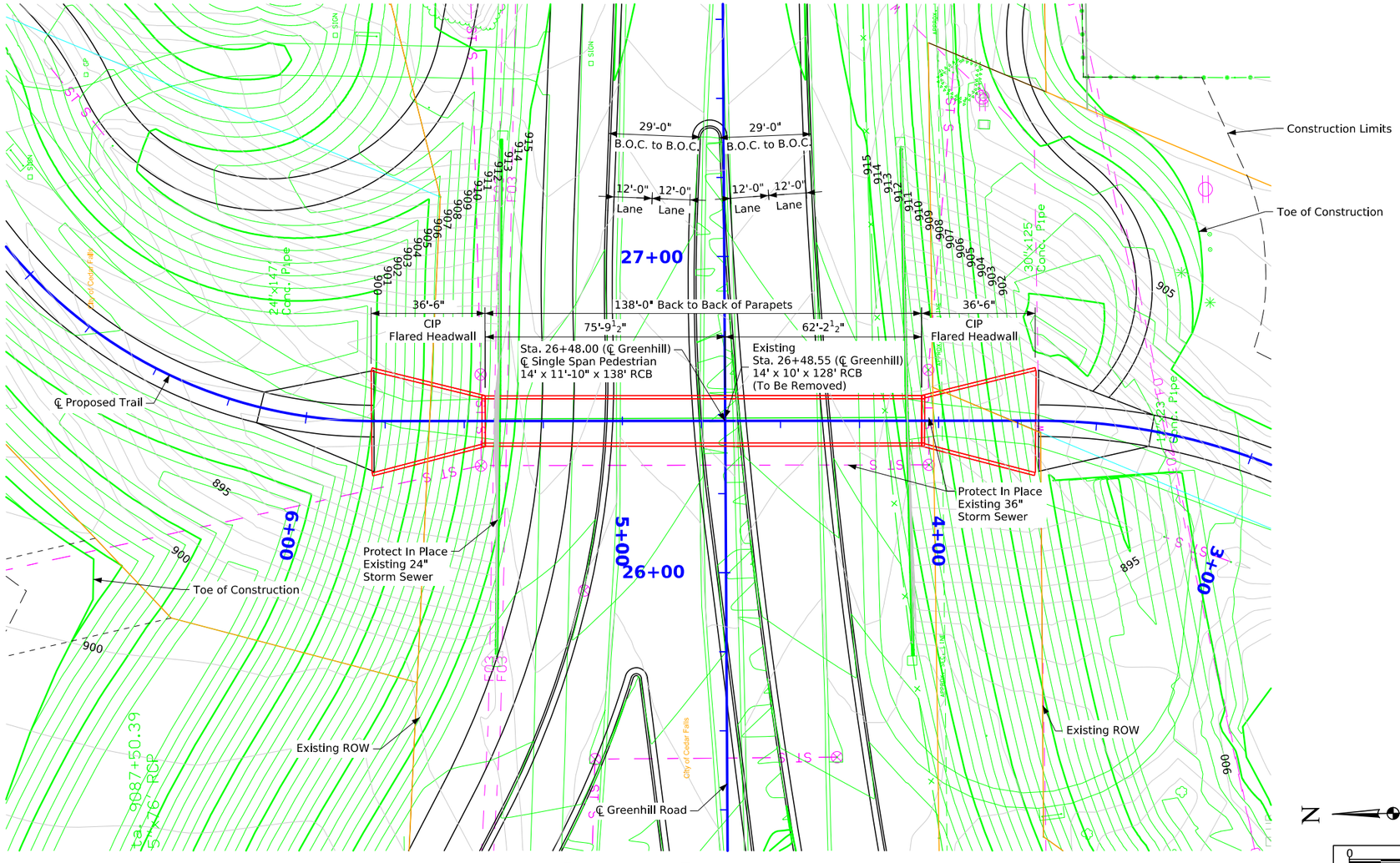
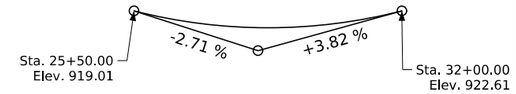
Control Point: CP4, N: 8844769.08, E: 15447612.06, Elev: 947.38
Description: CP Set Feno Monument 3 In. Deep And 430ft E Of The Intersection Of Greenhill Rd And S Main St Monument Is 9ft S Of South Back Of Curb Along Greenhill Rd 2ft N Of North Edge PCC Sidewalk And 78ft E Of Fire Hydrant



Longitudinal Section Along ℄ Culvert



Situation Plan



VPI Sta. = 28+75.00 VC = 650.00'
VPI Elev. = 910.20

Proposed Profile Grade Greenhill Rd Over IA 58

Traffic Estimate

2022 AADT	10,400 V.P.D.
2050 AADT	20,100 V.P.D.
2050 DHV	2,400 V.P.H.
TRUCKS	3 %

Location

Greenhill Rd
Pedestrian Culvert
In City of Cedar Falls
T-89N R-14W
Section 24
Cedar Falls Township
Black Hawk County
Latitude 42.498761°
Longitude -92.451108°

General Notes:

This design is for the replacement of the existing 14'-0" x 10'-0" x 128'-0" pedestrian precast reinforced concrete box culvert with a 14'-0 x 12'-4" x 138' pedestrian culvert.

Plan Notes:

Safety rail needed for pedestrian culvert.

Lighting inside culvert will be required.

Precast box culvert will require a P.C.C. Overlay.

Greenhill Road will be closed to traffic during construction. Follow overall traffic control plan for staging information.

Utilities Note:

Utilities shown on this sheet are for information only.
See Road Design sheets for utility information.

General Utility Symbols:

E - Electric Line
G - Gas Line
SAN. - Sanitary Sewer
T - Telephone Line
W - Water Line
FO - Fiber Optic Line
GHP - Gas High Pressure
ST S - Storm Sewer
TV - TV
- Power Poles

N

0 20
Scale In Feet

Design For 0° Skew

14'-0" x 11-10" x 138' Precast Pedestrian Culvert

Situation Plan

STA. 26+48.00 (Greenhill Rd)

Turn-in Date:

Black Hawk County

IOWA DEPARTMENT OF TRANSPORTATION

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

FILE NO.	ENGLISH	DESIGN TEAM **AECOM**	**Black Hawk** COUNTY	PROJECT NUMBER **NHSX-058-1(115)--3H-07**	SHEET NUMBER V.8

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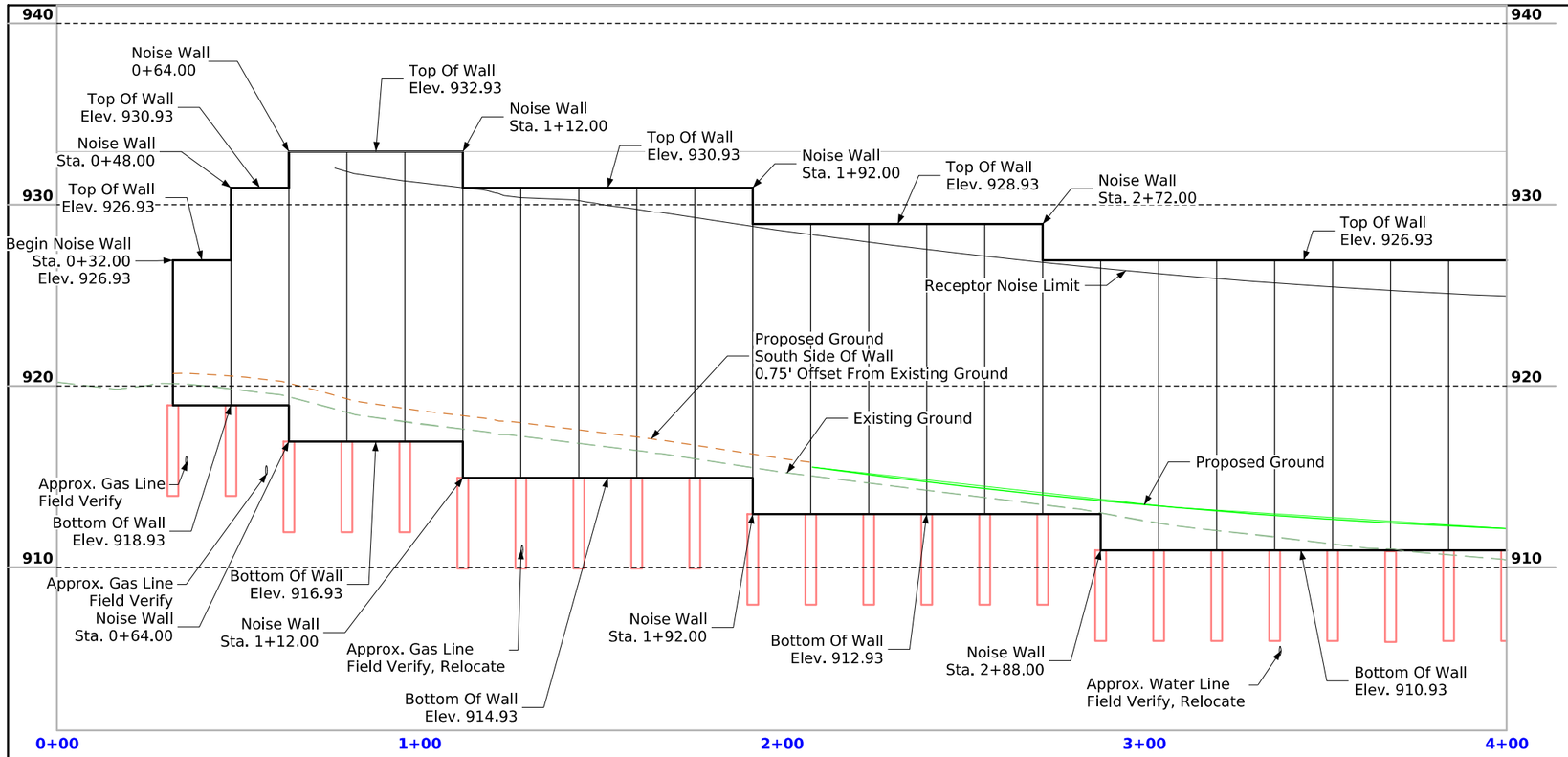
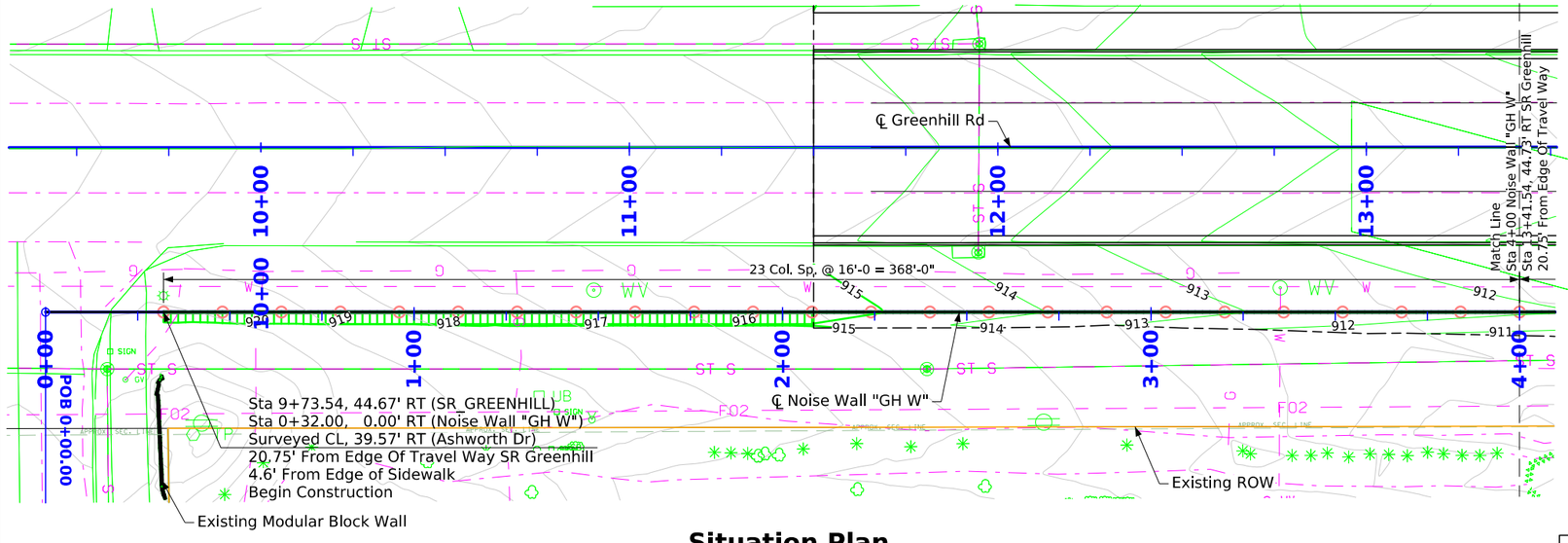
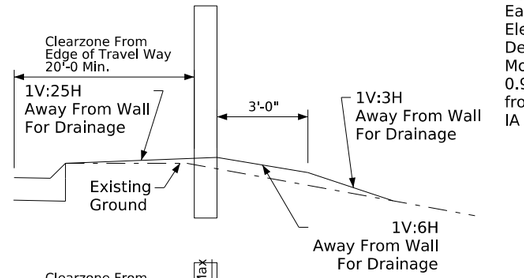
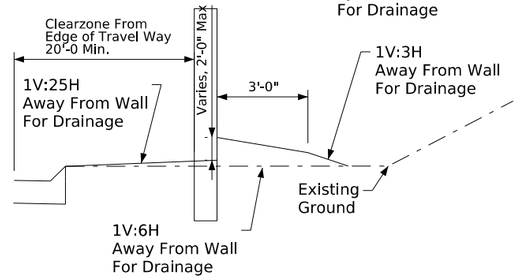


Longitudinal Section Along ℄ Noise Wall 1H:5V



Situation Plan





Wall Typical Sections

Control Point: 070271825
Northing: 8849013.25
Easting: 15447506.23
Elevation: 909.79
Description: CP Set Monuments 3" Deep and 0.9 Miles NE Along IA 58 from the Intersection of IA 58 and Greenhill Rd

Traffic Estimate

Greenhill Road

2022 AADT	10,400 V.P.D.
2050 AADT	20,100 V.P.D.
2050 DHV	2,400 V.P.H.
TRUCKS	3 %
Total Design ESALs	--

General Note:

All columns shall be set plumb.

Design Note:

Drilled shaft depth to be determined in final design. Contact the Iowa DOT BSB aesthetic coordinator regarding aesthetic treatments.

Plan Note:

Pothole elevation at intersecting utilites

Location

Noise Wall "GH W"
In City of Cedar Falls
T-89N R-14W
Section 24
Cedar Falls Township
Black Hawk County
Lat: 42.498650
Long: -92.455972

Utilities Note:

Utilities shown on this sheet are for information only.See Road Design sheets for utility information.
Overhead electric present along south side of Greenhill, running east/west.

General Utility Symbols:

E - Electric Line
FO - Fiber Optic Line
G - Gas Line
GHP - Gas High Pressure
SAN. - Sanitary Sewer
ST S - Storm Sewer
T - Telephone Line
TV - TV
W - Water Line
- Power Poles

N

0 40
Scale In Feet

Design For

720' X Var. Height Precast Concrete Noise Wall Greenhill

Situation Plan

STA. 9+73.54 - 16+93.21 (Greenhill Rd)

Turn-in Date:

Black Hawk County

IOWA DEPARTMENT OF TRANSPORTATION

Design No. | Design Sheet No. 1 of 2 | FHWA/Asset

FILE NO.	ENGLISH	DESIGN TEAM AECOM	Black Hawk COUNTY	PROJECT NUMBER NHSX-058-1(117)--2R-07	SHEET NUMBER V.9

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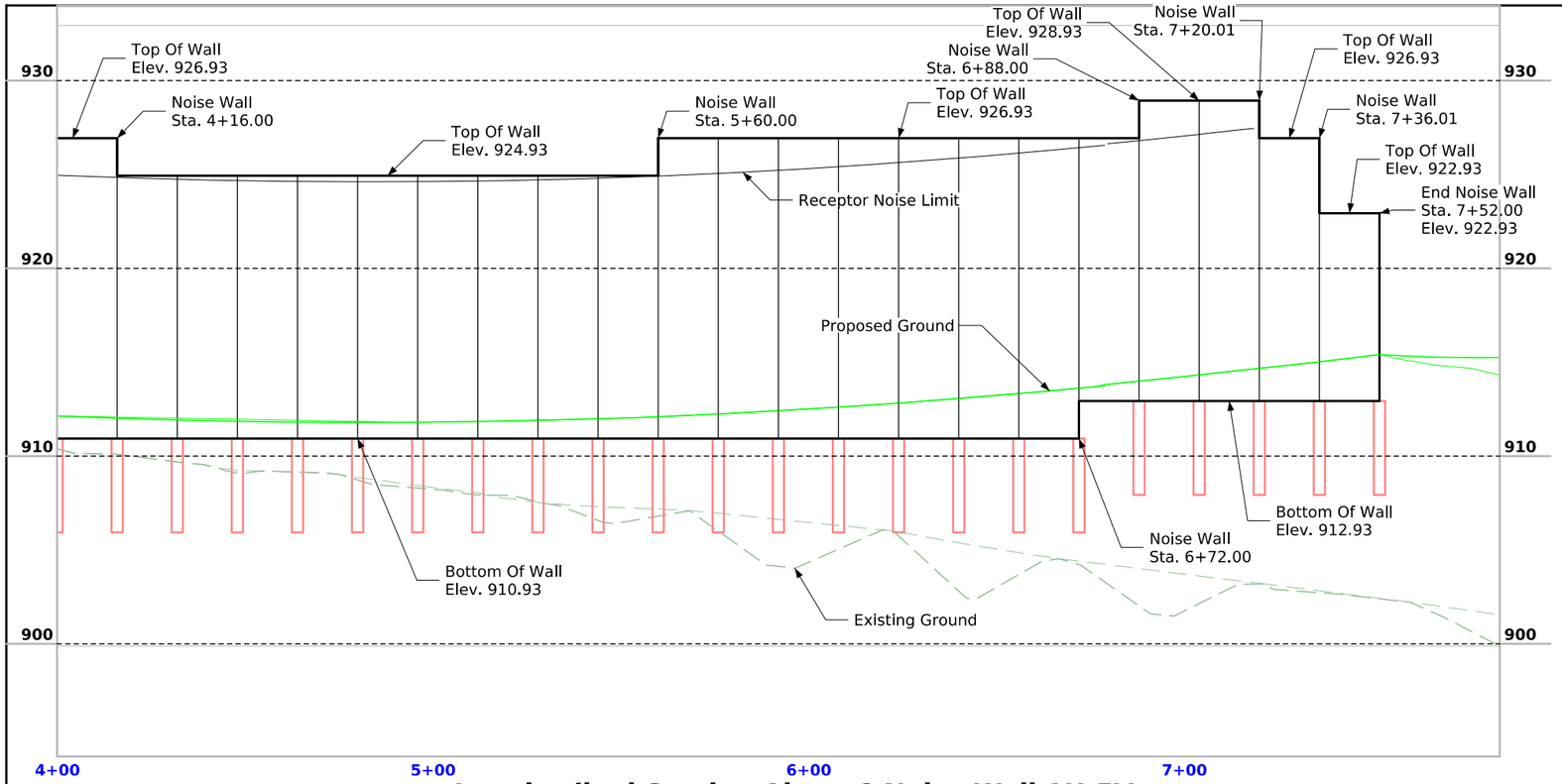
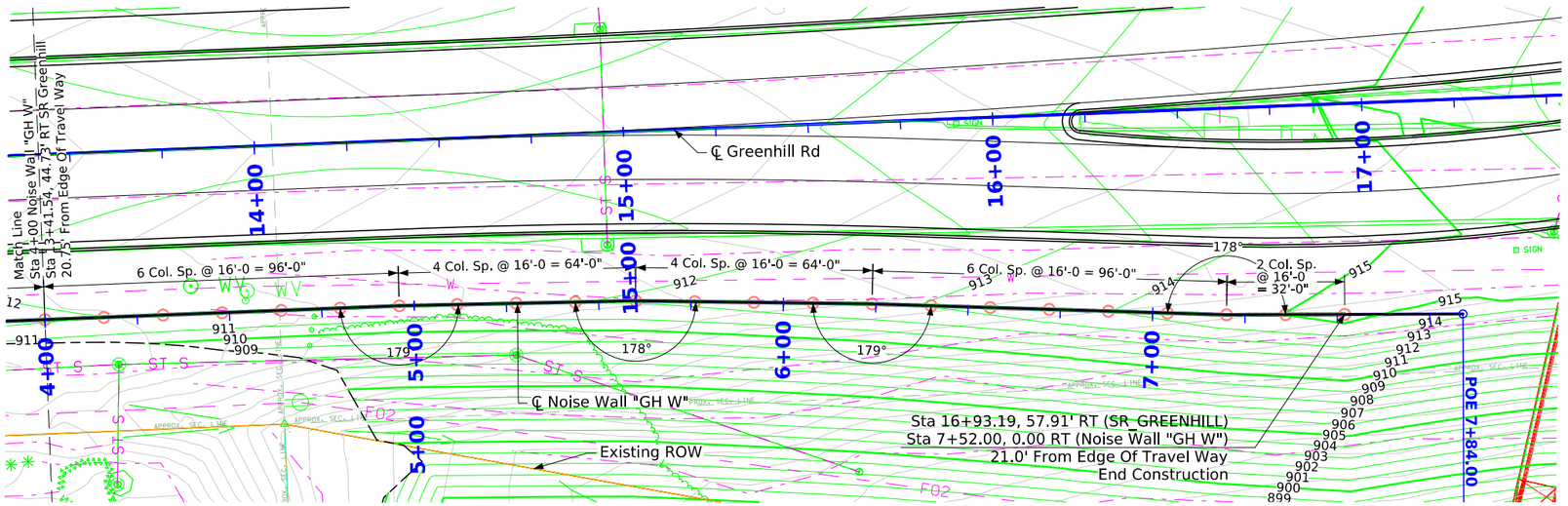


Longitudinal Section Along ℄ Noise Wall 1H:5V

Control Point: 070271825
Northing: 8849013.25
Easting: 15447506.23
Elevation: 909.79
Description: CP Set Monuments 3" Deep and 0.9 Miles NE Along IA 58 from the Intersection of IA 58 and Greenhill Rd

Horizontal Alignment

	Notes	Noise Wall "GH_W" Station	Reference Station Alignment	Station	Offset	Deflection
1	Begin Alignment	0+00.00	SR Greenhill	9+41.54	44.66 RT	0
2	Begin Wall	0+32.00	SR Greenhill	9+73.54	44.67 RT	0
3	Wall Deflection	4+96.00	SR Greenhill	14+37.54	44.75 RT	1
4	Wall Deflection	5+60.00	SR Greenhill	15+01.53	45.88 RT	2
5	Wall Deflection	6+24.00	SR Greenhill	15+65.44	49.24 RT	1
6	Wall Deflection	7+20.00	SR Greenhill	16+61.21	55.95 RT	2
7	End Wall	7+52.00	SR Greenhill	16+93.19	57.08 RT	0
8	End Alignment	7+84.00	SR Greenhill	17+25.17	58.20 RT	0



Situation Plan

Utilities Note:

Utilities shown on this sheet are for information only.See Road Design sheets for utility information.

General Utility Symbols:

E - Electric Line
G - Gas Line
SAN. - Sanitary Sewer
T - Telephone Line
W - Water Line
FO - Fiber Optic Line
GHP - Gas High Pressure
ST S - Storm Sewer
TV - TV
- Power Poles

N

0 40
Scale In Feet

Design For
720' X Var. Height Precast Concrete Noise Wall Greenhill

Situation Plan

STA. 9+73.54 - 16+93.21 (Greenhill Rd)

Turn-in Date:

Black Hawk County
IOWA DEPARTMENT OF TRANSPORTATION

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

FILE NO. | ENGLISH | DESIGN TEAM **AECOM** | **Black Hawk** COUNTY | PROJECT NUMBER **NHSX-058-1(117)--2R-07** | SHEET NUMBER V.10

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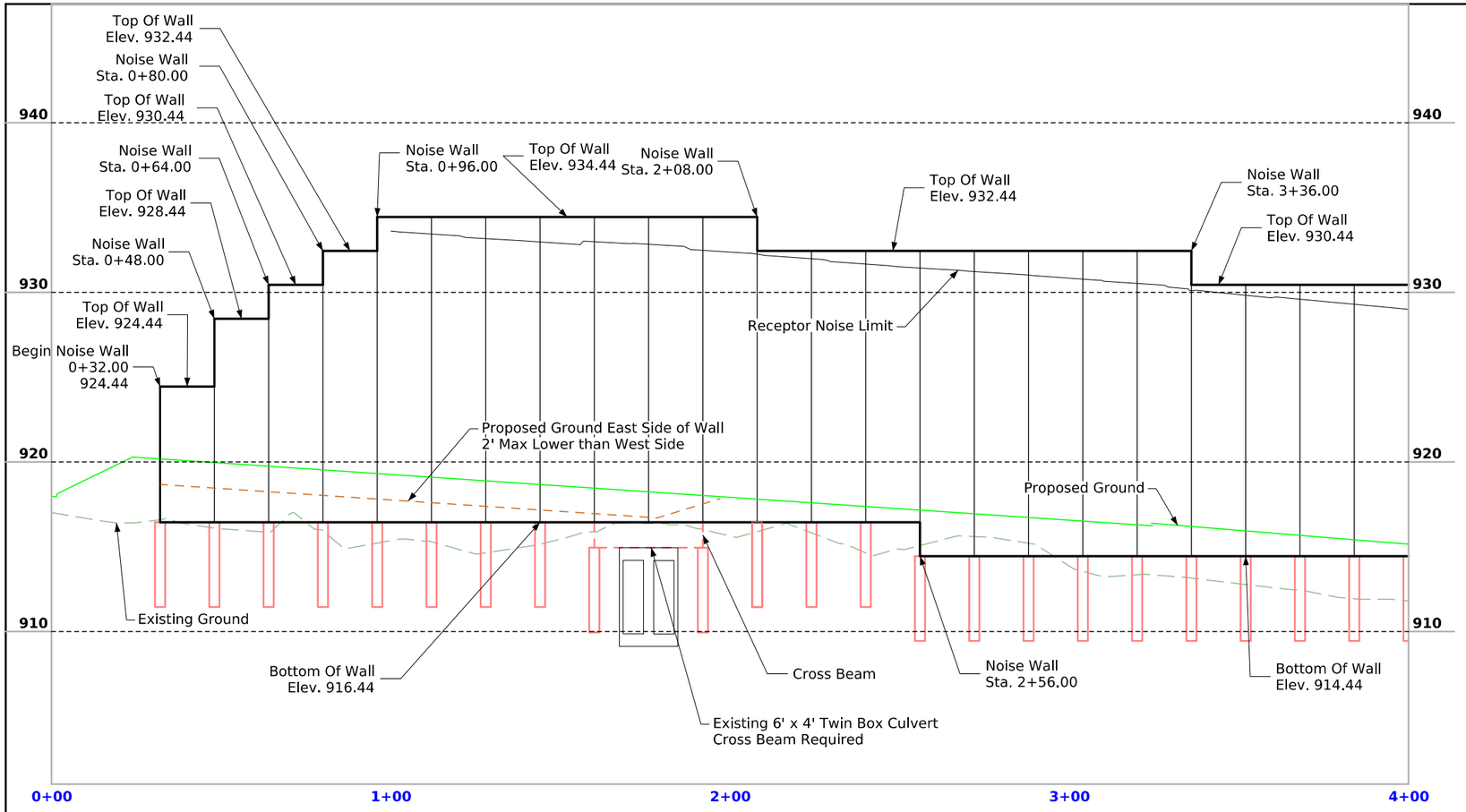
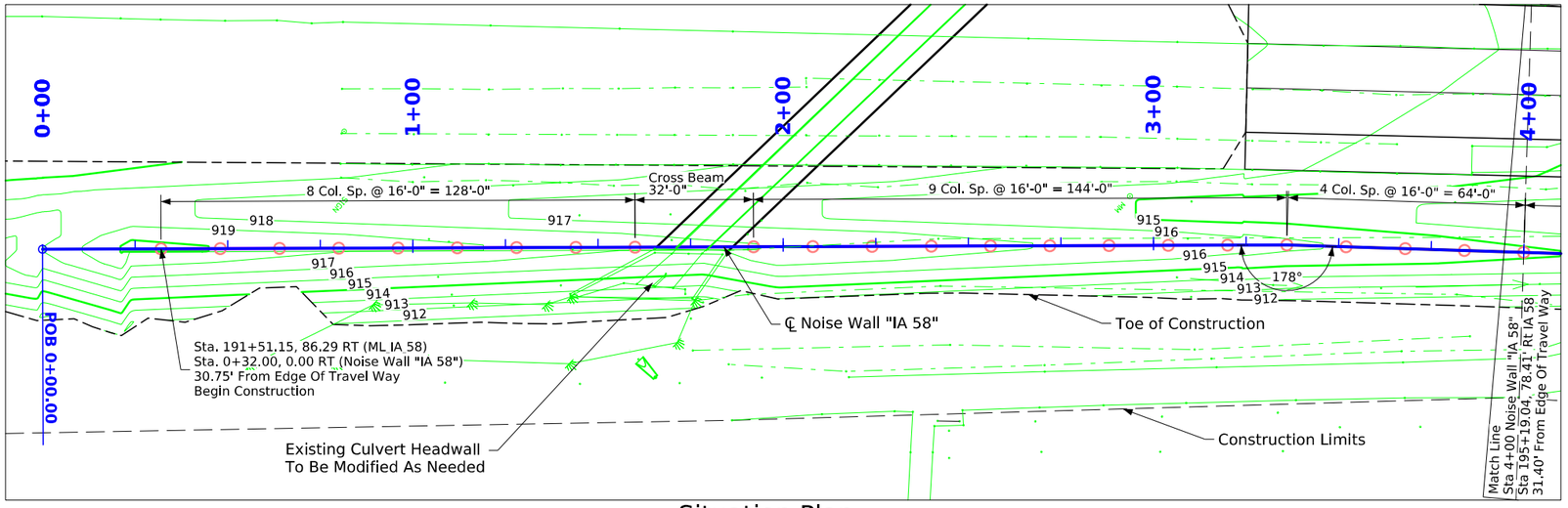


Longitudinal Section Along ℄ Noise Wall 1H:5V



Situation Plan

Control Point: 070271825
Northing: 8849013.25
Easting: 15447506.23
Elevation: 909.79
Description: CP Set Monuments 3" Deep and 0.9 Miles NE Along IA 58 from the Intersection of IA 58 and Greenhill Rd

General Note:

All columns shall be set plumb.

Design Note:

Drilled shaft depth to be determined in final design.
Contact the Iowa DOT BSB aesthetic coordinator regarding aesthetic treatments.
Lighting requirements under pedestrian bridge.
Pedestrian bridge clearance and MSE evaluation as noise wall.
Existing signage behind proposed wall.
4 culvert crossings required cross beams.
Drainage along wall in ditches or existing storm sewer.

Plan Note:

Pothole elevation at intersection utilities.

Utilities Note:

Utilities shown on this sheet are for information only.
See Road Design sheets for utility information.

General Utility Symbols:

E - Electric Line
G - Gas Line
SAN. - Sanitary Sewer
T - Telephone Line
W - Water Line
FO - Fiber Optic Line
GHP - Gas High Pressure
ST S - Storm Sewer
TV - TV
=●= - Power Poles

Location

Noise Wall "IA58"
In City of Cedar Falls
T-89N R-14W
Section 24
Cedar Falls Township
Black Hawk County
Lat: 42.494475
Long: -92.453061

Traffic Estimate

IA 58

2022 AADT	21,200 V.P.D.
2050 AADT	31,800 V.P.D.
2050 DHV	4,970 V.P.H.
TRUCKS	5 %
Total Design ESALs	--

0 40
Scale In Feet

Design For
3136' X Var. Height Precast Concrete Noise Wall IA 58

Situation Plan

STA. 191+43.10 - 223+31.88 (IA 58)

Turn-in Date:

Black Hawk County
IOWA DEPARTMENT OF TRANSPORTATION

Design No. | Design Sheet No. 1 of 9 | FHWA/Asset

FILE NO.	ENGLISH	DESIGN TEAM **AECOM**	**Black Hawk** COUNTY	PROJECT NUMBER **NHSX-092-9(116)--3H-58**	SHEET NUMBER V.11

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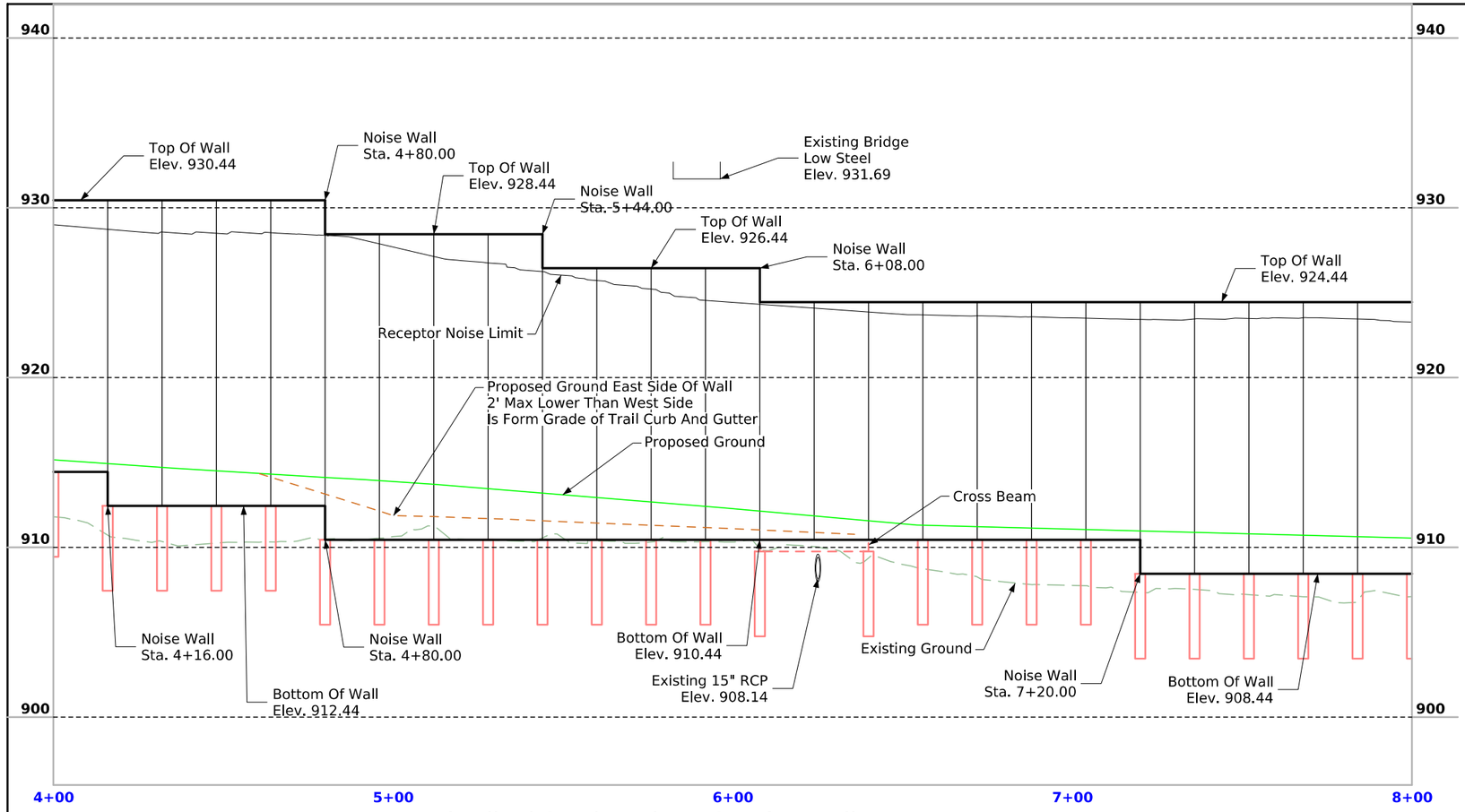
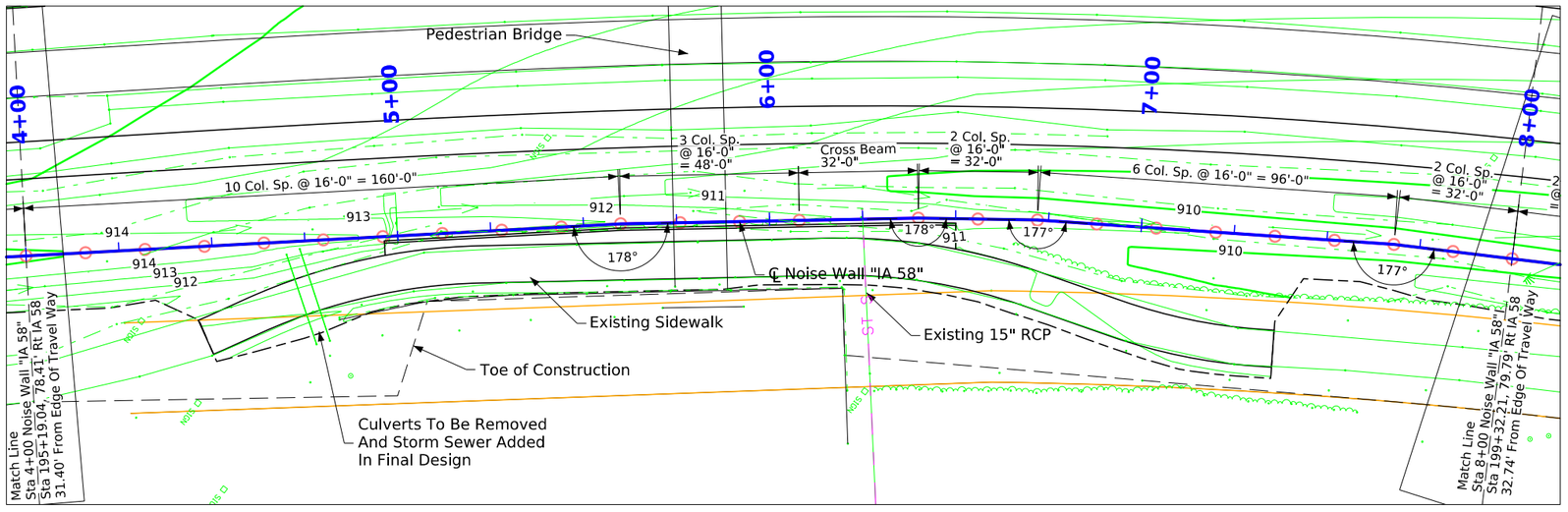


Longitudinal Section Along ℄ Noise Wall 1H:5V



Situation Plan

Control Point: 070271825
Northing: 8849013.25
Easting: 15447506.23
Elevation: 909.79
Description: CP Set Monuments 3" Deep and 0.9 Miles NE Along IA 58 from the Intersection of IA 58 and Greenhill Rd

Utilities Note:

Utilities shown on this sheet are for information only.
See Road Design sheets for utility information.

General Utility Symbols:

E - Electric Line	FO - Fiber Optic Line
G - Gas Line	GHP - Gas High Pressure
SAN. - Sanitary Sewer	ST S - Storm Sewer
T - Telephone Line	TV - TV
W - Water Line	=●= - Power Poles

0 40
Scale In Feet

Design For
3136' X Var. Height Precast Concrete Noise Wall IA 58

Situation Plan

STA. 191+43.10 - 223+31.88 (IA 58)

Turn-in Date:

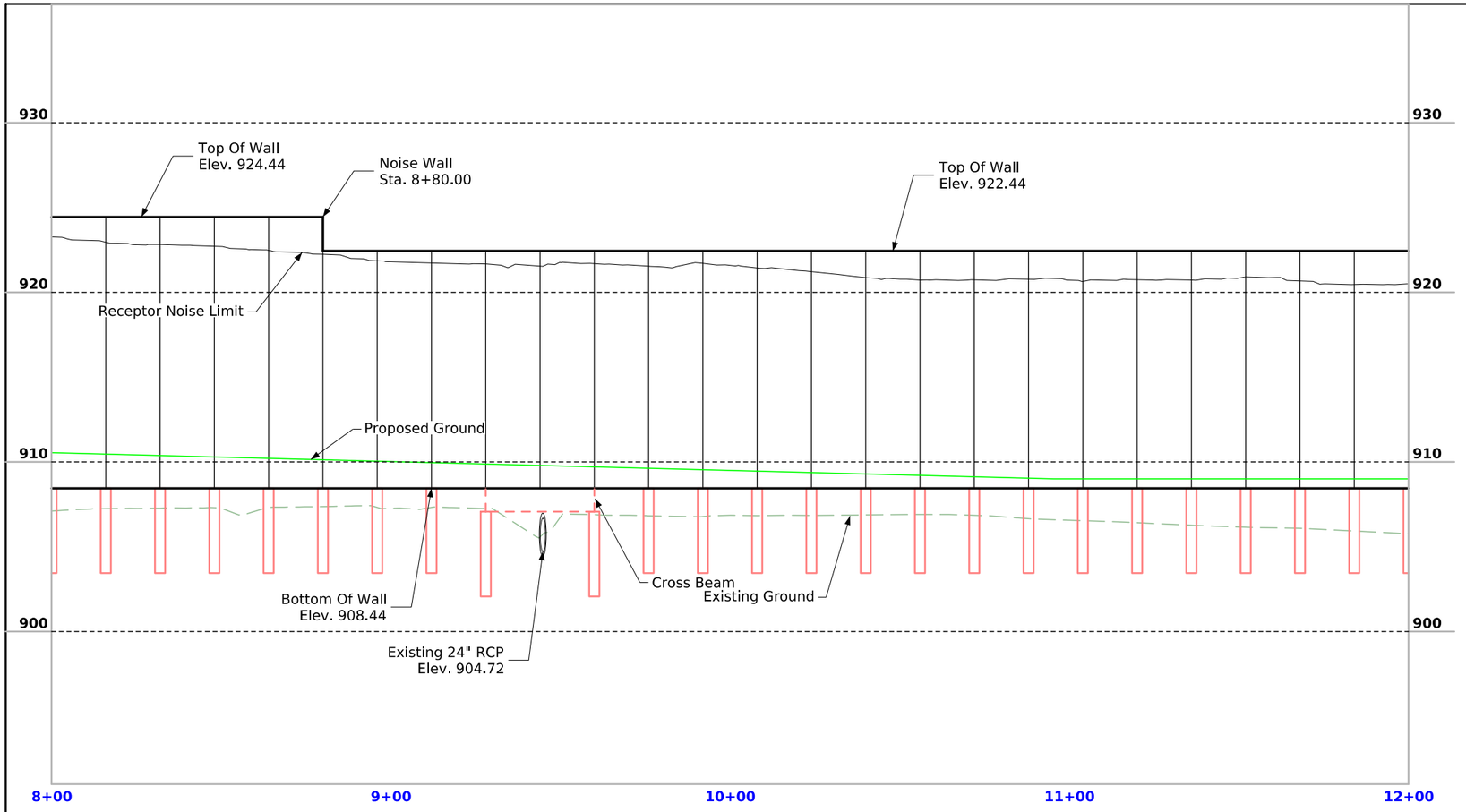
Black Hawk County

IOWA DEPARTMENT OF TRANSPORTATION

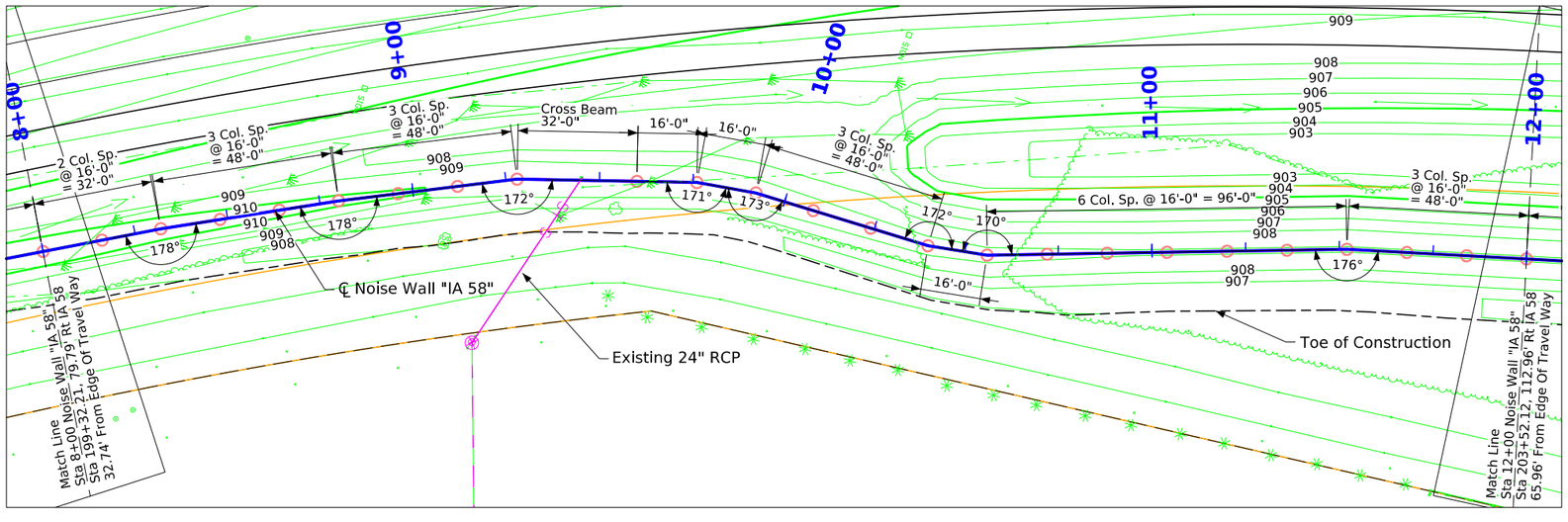
Design No. | Design Sheet No. 2 of 9 | FHWA/Asset

FILE NO.	ENGLISH	DESIGN TEAM **AECOM**	**Black Hawk** COUNTY	PROJECT NUMBER **NHSX-092-9(116)--3H-58**	SHEET NUMBER V.12

10:08:51 AM 5/28/2025 tyler.gamerdinger pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Bridge\(97)_Unknown Pavement - Grade and New\SHT_ORD_07058097_AECOM_Noise_Wall_IA58_Z05.dgn



Longitudinal Section Along ℄ Noise Wall 1H:5V



Situation Plan

Control Point: 070271825
Northing: 8849013.25
Easting: 15447506.23
Elevation: 909.79
Description: CP Set Monuments 3" Deep and 0.9 Miles NE Along IA 58 from the Intersection of IA 58 and Greenhill Rd

Utilities Note:

Utilities shown on this sheet are for information only.
See Road Design sheets for utility information.

General Utility Symbols:

E - Electric Line	FO - Fiber Optic Line
G - Gas Line	GHP - Gas High Pressure
SAN. - Sanitary Sewer	ST S - Storm Sewer
T - Telephone Line	TV - TV
W - Water Line	-●- Power Poles

0 40
Scale In Feet

Design For
3136' X Var. Height Precast Concrete Noise Wall IA 58

Situation Plan

STA. 191+43.10 - 223+31.88 (IA 58)

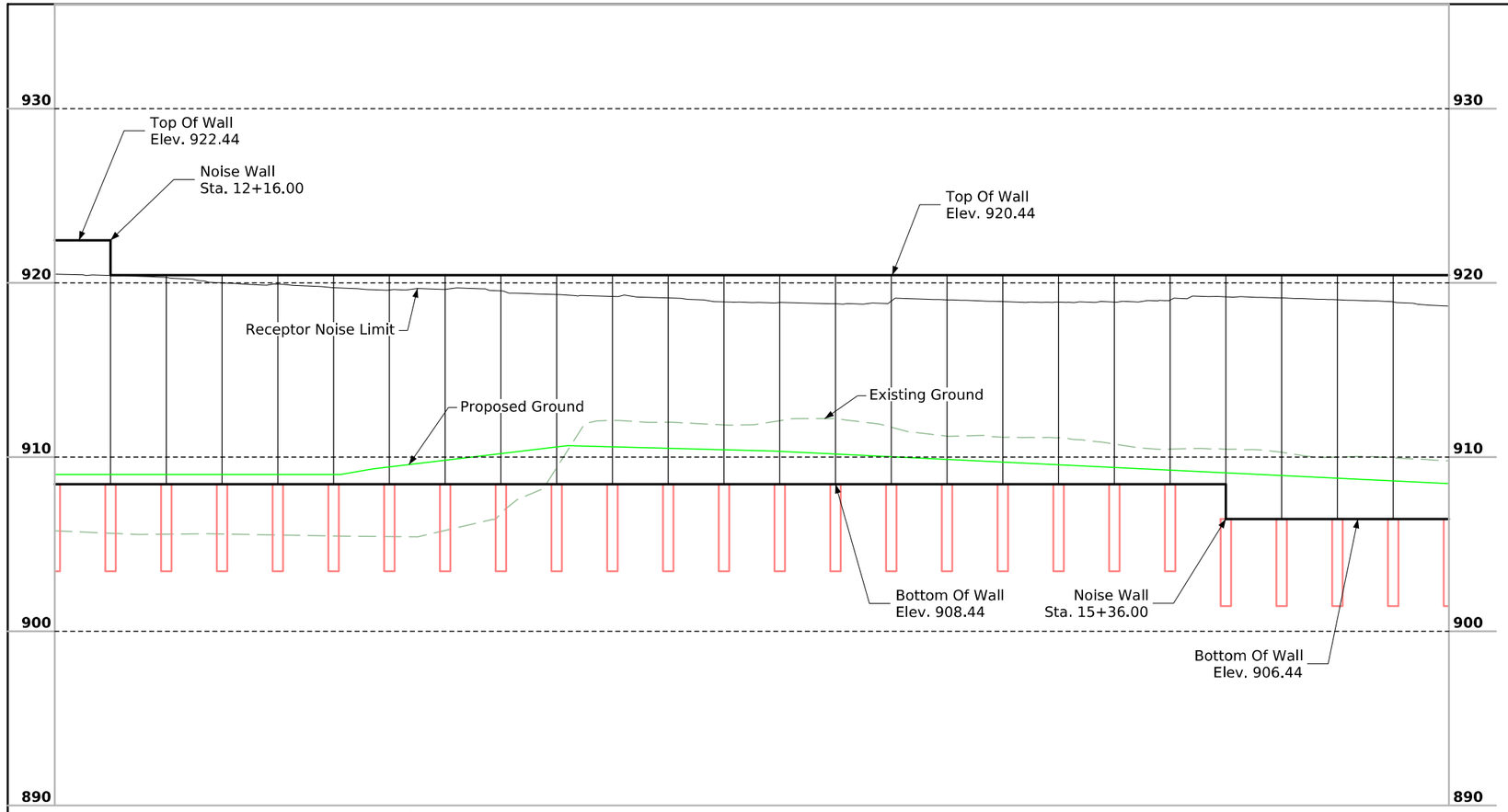
Turn-in Date:

Black Hawk County
IOWA DEPARTMENT OF TRANSPORTATION

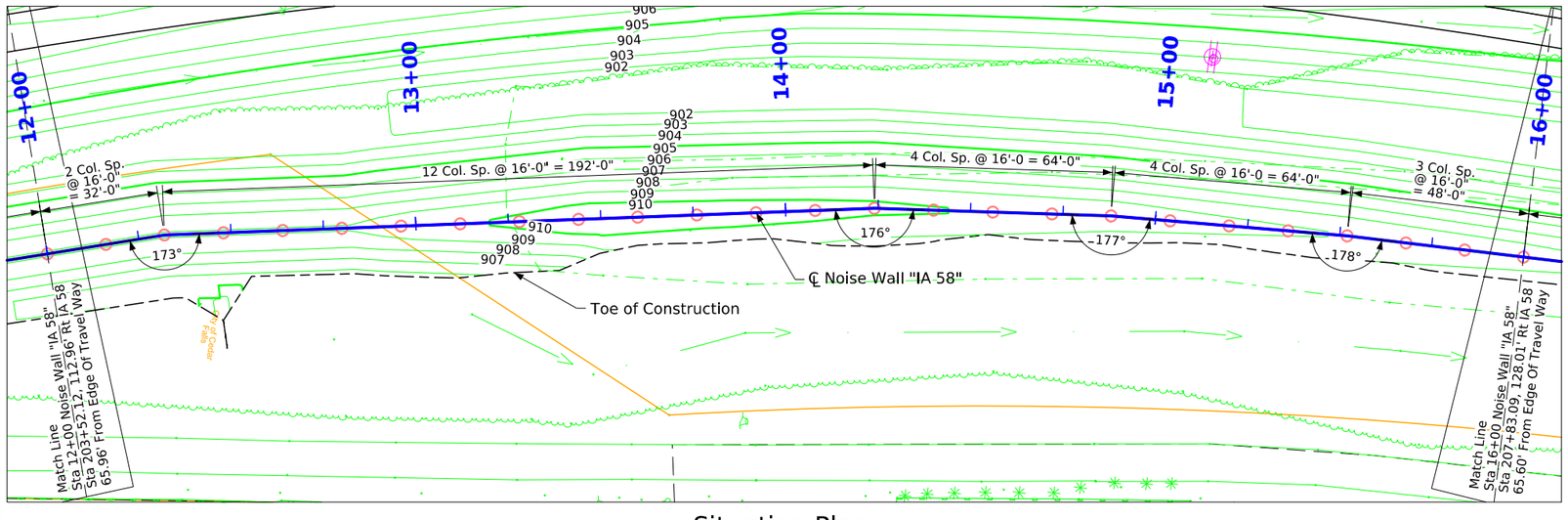
Design No. | Design Sheet No. 3 of 9 | FHWA/Asset

FILE NO.	ENGLISH	DESIGN TEAM **AECOM**	**Black Hawk** COUNTY	PROJECT NUMBER **NHSX-092-9(116)--3H-58**	SHEET NUMBER V.13

10:08:52 AM 5/28/2025 tyler.gamerdinger pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Bridge\(97)_Unknown Pavement - Grade and New\SHT_ORD_07058097_AECOM_Noise_Wall_IA58_Z05.dgn



Longitudinal Section Along ℄ Noise Wall 1H:5V



Situation Plan

Control Point: 070271825
Northing: 8849013.25
Easting: 15447506.23
Elevation: 909.79
Description: CP Set Monuments 3" Deep and 0.9 Miles NE Along IA 58 from the Intersection of IA 58 and Greenhill Rd

Utilities Note:

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W - Water Line
FO - Fiber Optic Line
GHP - Gas High Pressure
ST S - Storm Sewer
TV - TV
=●= - Power Poles

0 40
Scale In Feet

Design For
3136' X Var. Height Precast Concrete Noise Wall IA 58

Situation Plan

STA. 191+43.10 - 223+31.88 (IA 58)
Turn-in Date:

Black Hawk County

IOWA DEPARTMENT OF TRANSPORTATION

Design No. | Design Sheet No. 4 of 9 | FHWA/Asset

FILE NO.	ENGLISH	DESIGN TEAM **AECOM**	**Black Hawk** COUNTY	PROJECT NUMBER **NHSX-092-9(116)--3H-58**	SHEET NUMBER V.14

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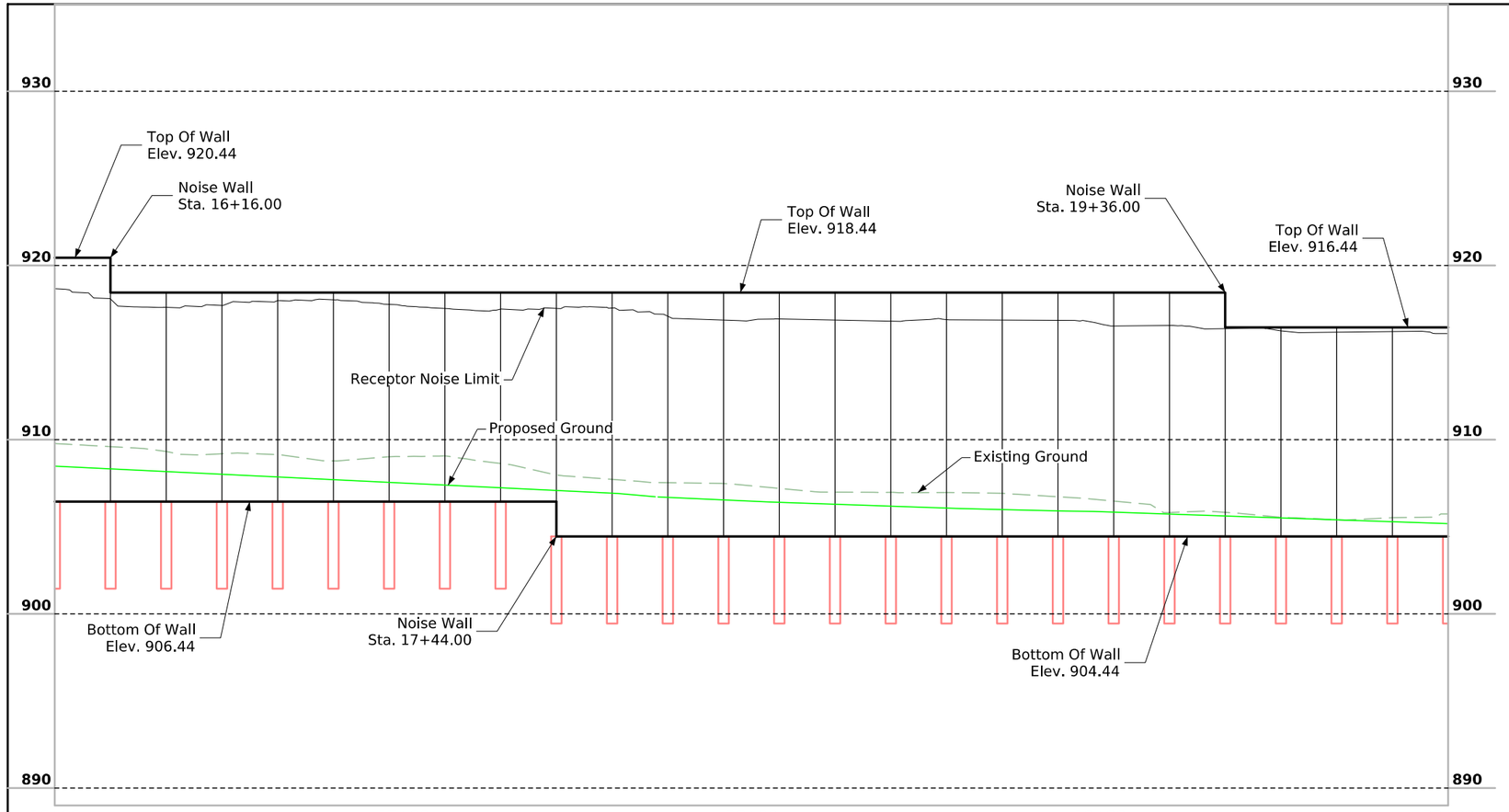
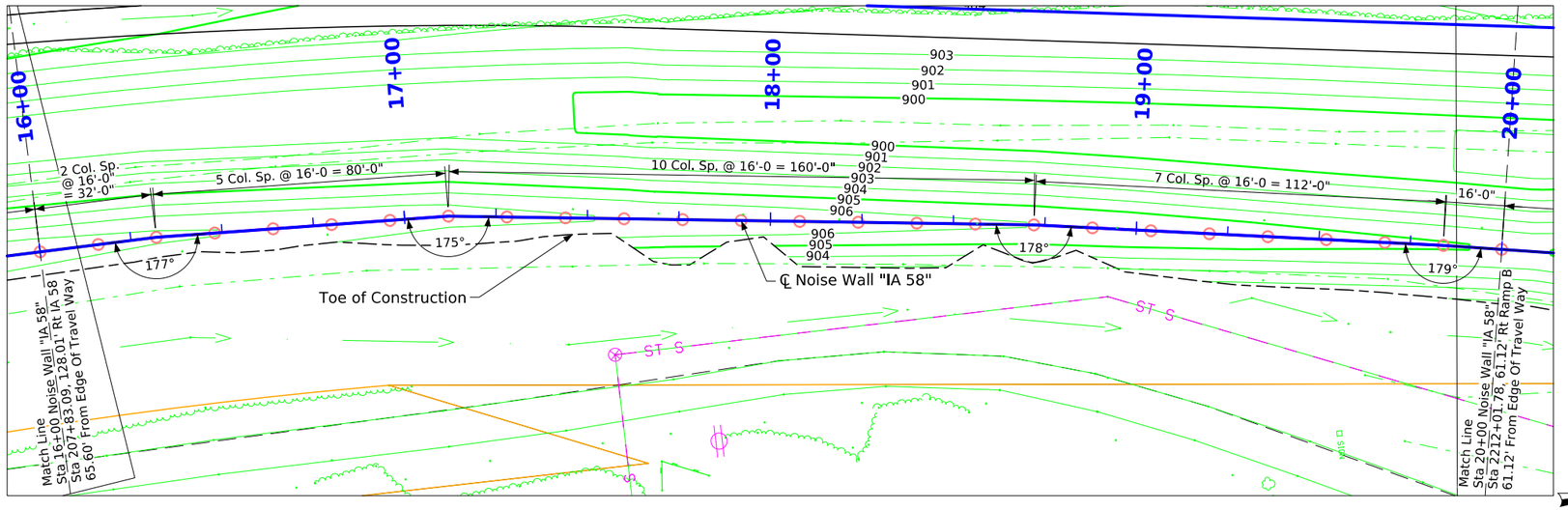


Longitudinal Section Along ℄ Noise Wall 1H:5V



Situation Plan

Control Point: 070271825
Northing: 8849013.25
Easting: 15447506.23
Elevation: 909.79
Description: CP Set Monuments 3" Deep and 0.9 Miles NE Along IA 58 from the Intersection of IA 58 and Greenhill Rd

Utilities Note:

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SAN. - Sanitary Sewer	ST S - Storm Sewer
T - Telephone Line	TV - TV
W - Water Line	=●= - Power Poles

0 40
Scale In Feet

Design For
3136' X Var. Height Precast Concrete Noise Wall IA 58

Situation Plan

STA. 191+43.10 - 223+31.88 (IA 58)

Turn-in Date:

Black Hawk County

IOWA DEPARTMENT OF TRANSPORTATION

Design No. | Design Sheet No. 5 of 9 | FHWA/Asset

FILE NO.	ENGLISH	DESIGN TEAM **AECOM**	**Black Hawk** COUNTY	PROJECT NUMBER **NHSX-092-9(116)--3H-58**	SHEET NUMBER V.15

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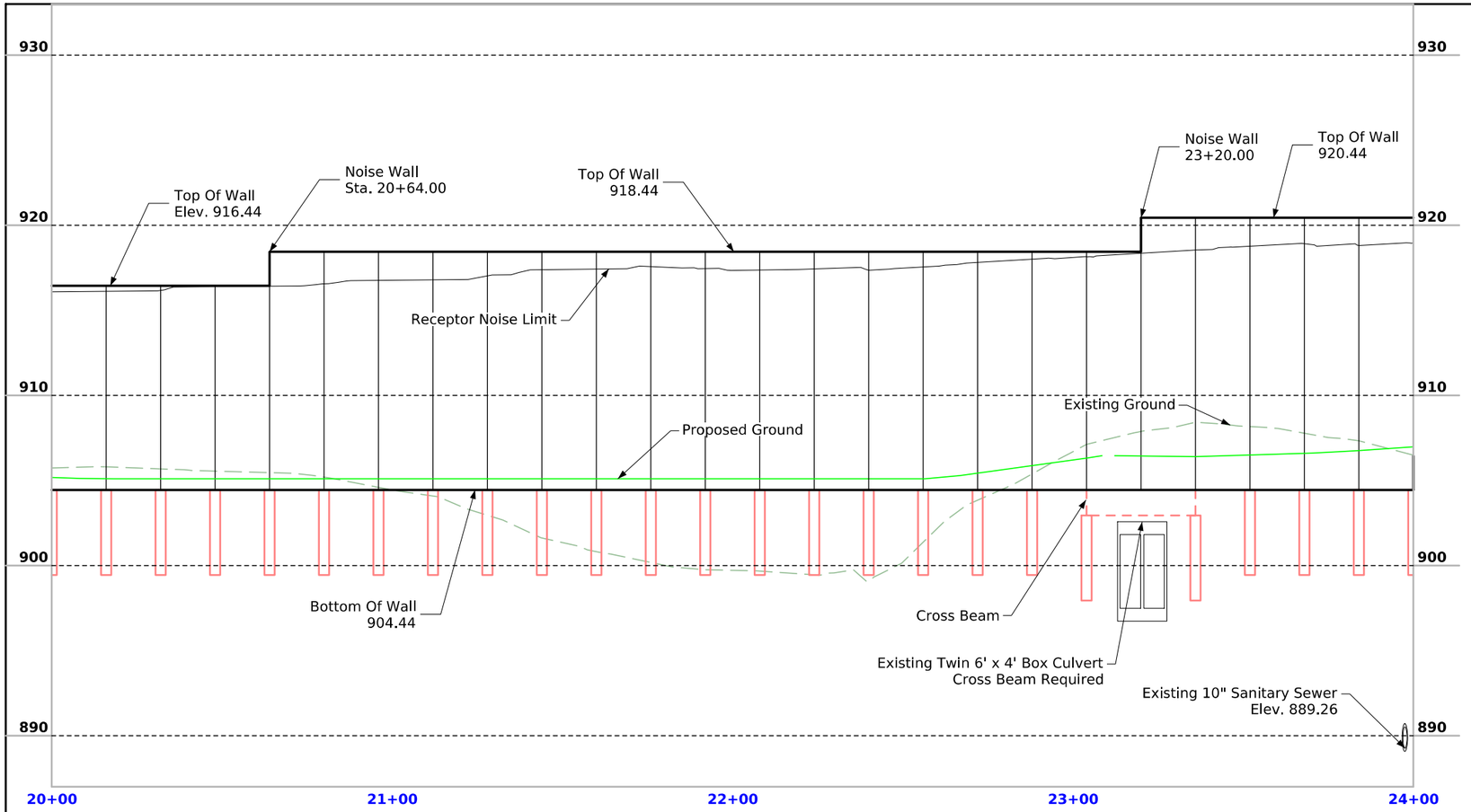
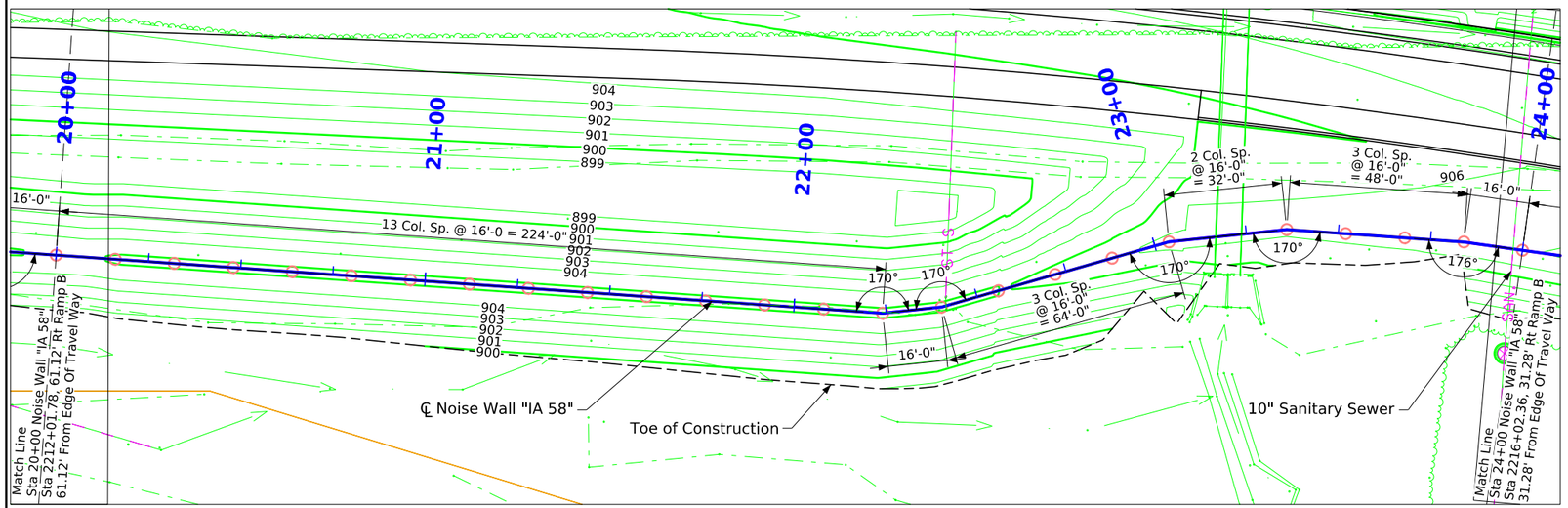


Longitudinal Section Along ℄ Noise Wall 1H:5V



Situation Plan

Control Point: 070271825
Northing: 8849013.25
Easting: 15447506.23
Elevation: 909.79
Description: CP Set Monuments 3" Deep and 0.9 Miles NE Along IA 58 from the Intersection of IA 58 and Greenhill Rd

Utilities Note:

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See Road Design sheets for utility information.

General Utility Symbols:

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G - Gas Line
SAN. - Sanitary Sewer
T - Telephone Line
W - Water Line
FO - Fiber Optic Line
GHP - Gas High Pressure
ST S - Storm Sewer
TV - TV
=●= - Power Poles

0 40
Scale In Feet

Design For
3136' X Var. Height Precast Concrete Noise Wall IA 58

Situation Plan

STA. 191+43.10 - 223+31.88 (IA 58)

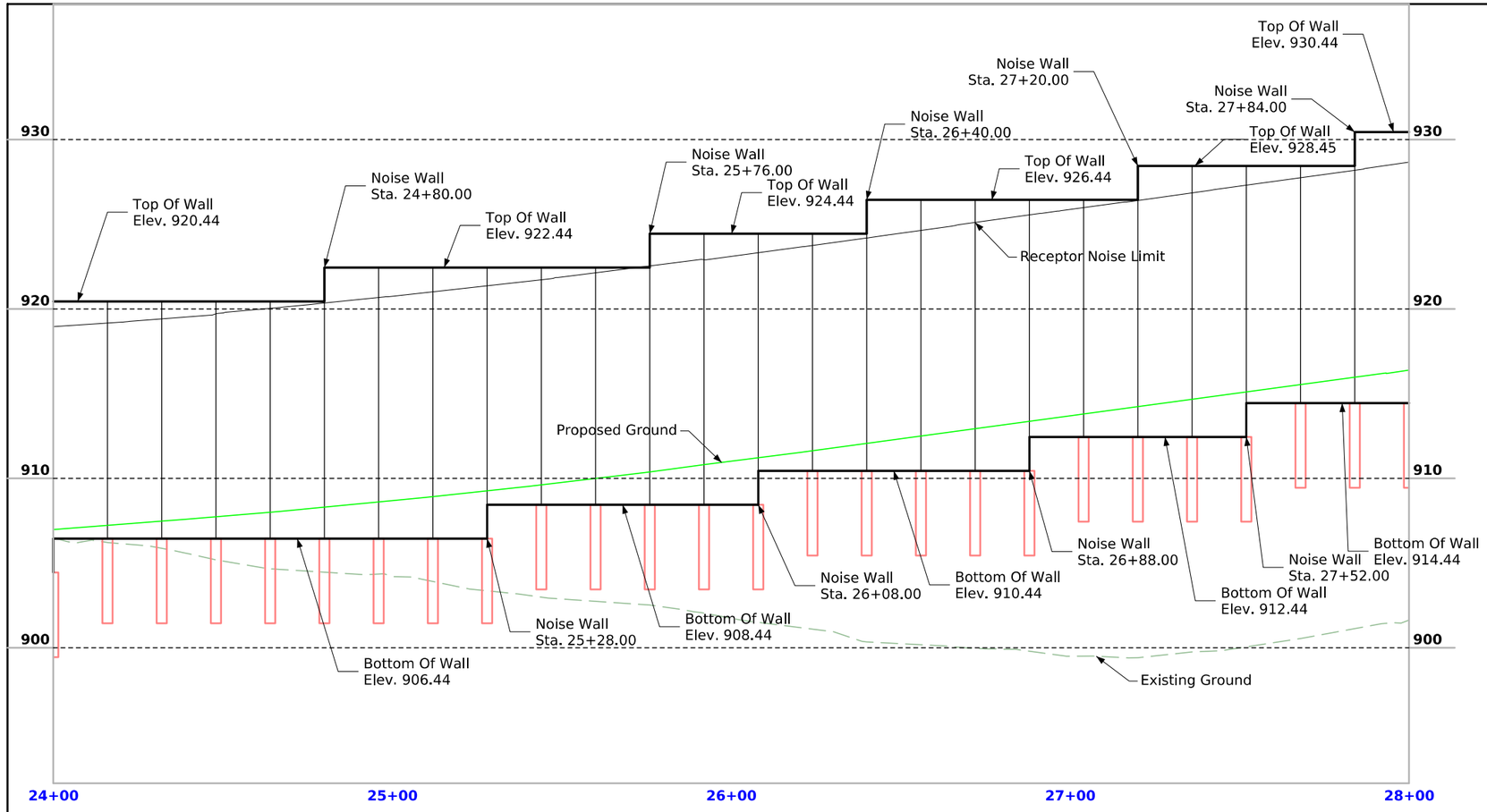
Turn-in Date:

Black Hawk County
IOWA DEPARTMENT OF TRANSPORTATION

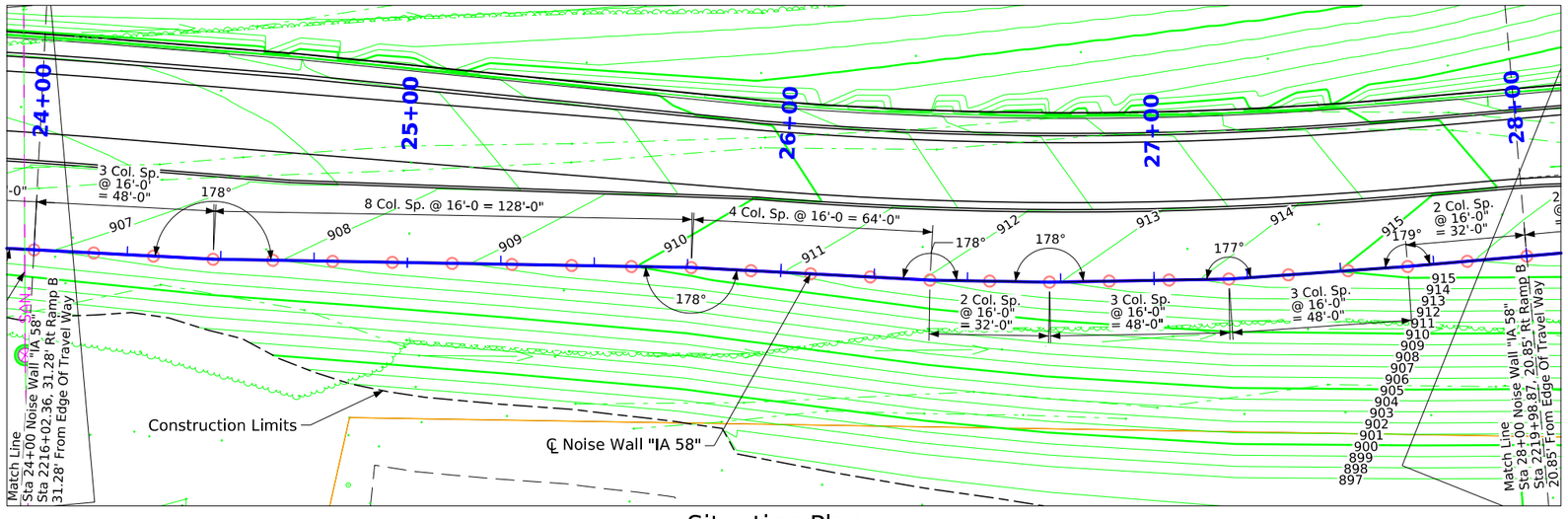
Design No. | Design Sheet No. 6 of 9 | FHWA/Asset

FILE NO.	ENGLISH	DESIGN TEAM **AECOM**	**Black Hawk** COUNTY	PROJECT NUMBER **NHSX-092-9(116)--3H-58**	SHEET NUMBER V.16

10:08:53 AM 5/28/2025 tyler.gamerdinger pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Bridge\(97)_Unknown Pavement - Grade and New\SHT_ORD_07058097_AECOM_Noise_Wall_IA58_Z05.dgn



Longitudinal Section Along ℄ Noise Wall 1H:5V



Situation Plan

Control Point: 070271825
Northing: 8849013.25
Easting: 15447506.23
Elevation: 909.79
Description: CP Set Monuments 3" Deep and 0.9 Miles NE Along IA 58 from the Intersection of IA 58 and Greenhill Rd

Utilities Note:

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General Utility Symbols:

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T - Telephone Line
W - Water Line
FO - Fiber Optic Line
GHP - Gas High Pressure
ST S - Storm Sewer
TV - TV
=●= - Power Poles

0 40
Scale In Feet

Design For
3136' X Var. Height Precast Concrete Noise Wall IA 58

Situation Plan

STA. 191+43.10 - 223+31.88 (IA 58)
Turn-in Date:

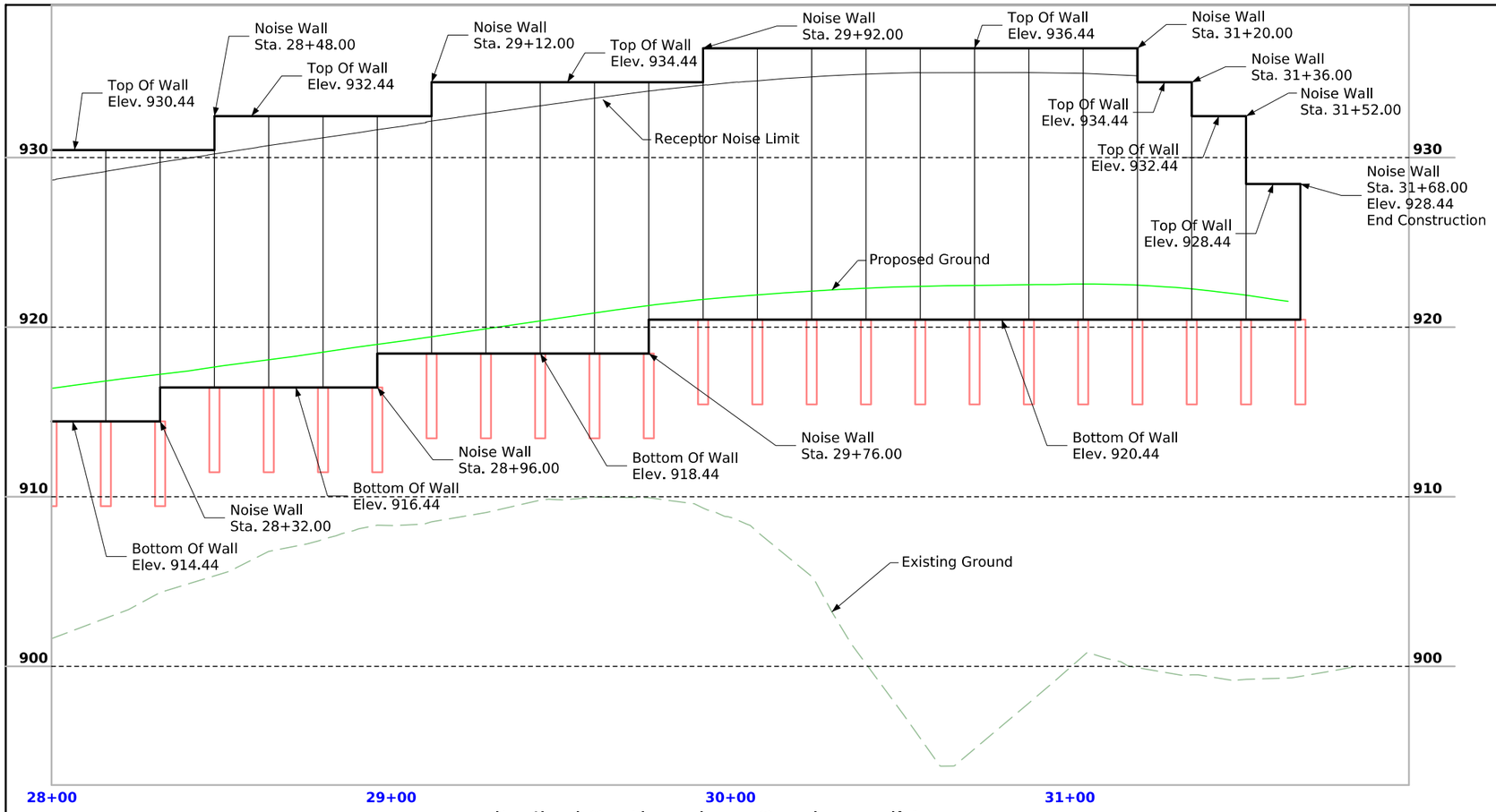
Black Hawk County

IOWA DEPARTMENT OF TRANSPORTATION

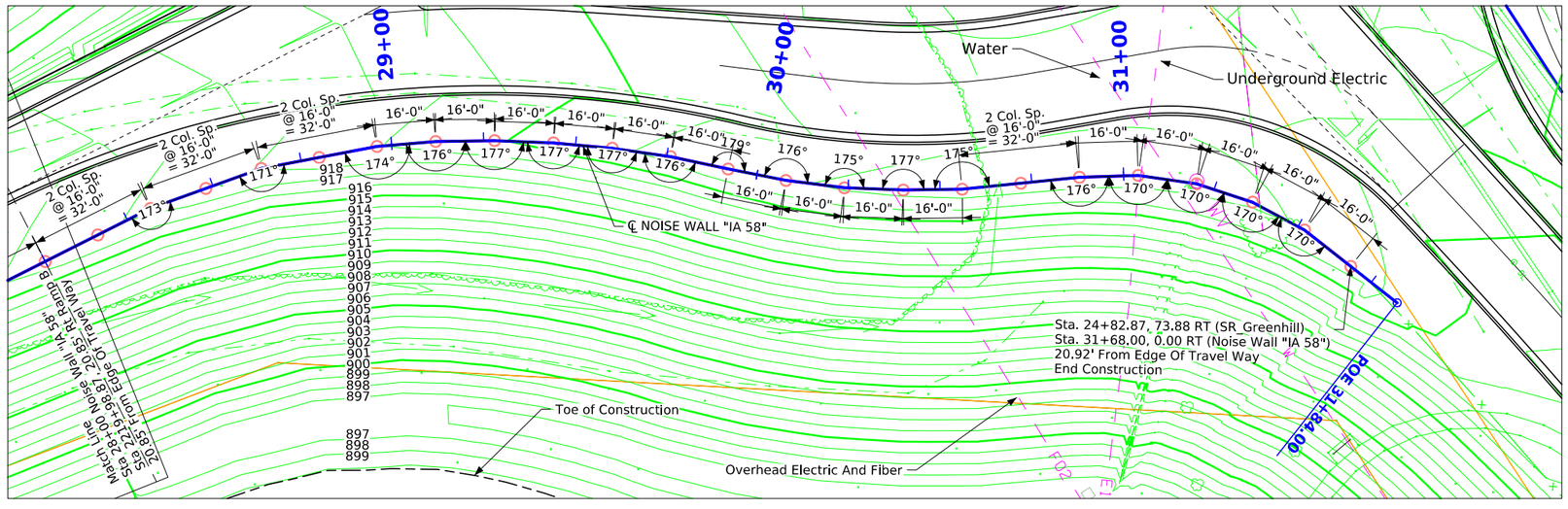
Design No. | Design Sheet No. 7 of 9 | FHWA/Asset

FILE NO.	ENGLISH	DESIGN TEAM **AECOM**	**Black Hawk** COUNTY	PROJECT NUMBER **NHSX-092-9(116)--3H-58**	SHEET NUMBER V.17

10:08:54 AM 5/28/2025 tyler.gamerdinger pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Bridge\(97)_Unknown Pavement - Grade and New\SHT_ORD_07058097_AECOM_Noise_Wall_IA58_Z05.dgn



Longitudinal Section Along ℄ Noise Wall 1H:5V



Situation Plan

Control Point: 070271825
Northing: 8849013.25
Easting: 15447506.23
Elevation: 909.79
Description: CP Set Monuments 3" Deep and 0.9 Miles NE Along IA 58 from the Intersection of IA 58 and Greenhill Rd

Utilities Note:

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SAN. - Sanitary Sewer	ST S - Storm Sewer
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W - Water Line	⏚- Power Poles

0 40
Scale In Feet

Design For
3136' X Var. Height Precast Concrete Noise Wall IA 58

Situation Plan

STA. 191+43.10 - 223+31.88 (IA 58)

Turn-in Date:

Black Hawk County
IOWA DEPARTMENT OF TRANSPORTATION

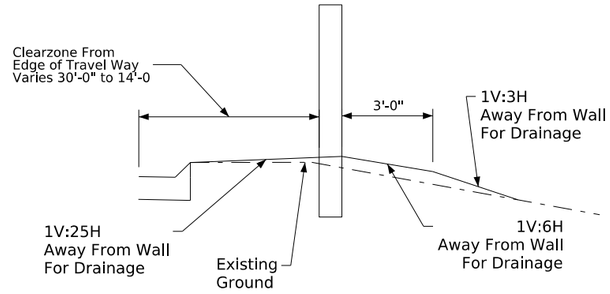
Design No. | Design Sheet No. 8 of 9 | FHWA/Asset

FILE NO.	ENGLISH	DESIGN TEAM **AECOM**	**Black Hawk** COUNTY	PROJECT NUMBER **NHSX-092-9(116)--3H-58**	SHEET NUMBER V.18

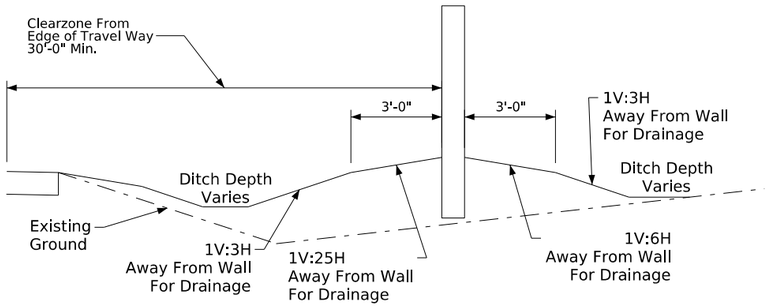
10:08:54 AM 5/28/2025 tyler.gamerdinger pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Bridge\(97)_Unknown Pavement - Grade and New\SHT_ORD_07058097_AECOM_Noise_Wall_IA58_Z05.dgn

Alignment Coordinates

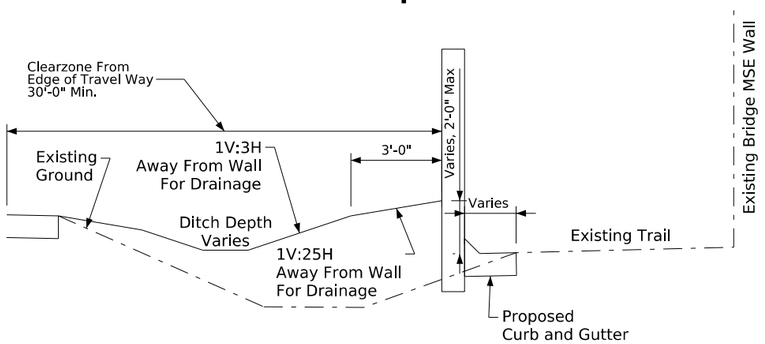
	Notes	Noise Wall "58_NB"	Reference Station			
		Station	Alignment	Station	Offset	Deflection
1	Begin Alignment	0+00.00	ML IA 58	191+19.16	87.17 RT	0
2	Begin Wall	0+32.00	ML IA 58	191+51.15	86.29 RT	0
3	Wall Deflection	3+36.00	ML IA 58	194+55.04	77.94 RT	2
4	Wall Deflection	5+60.00	ML IA 58	196+81.26	78.17 RT	2
5	Wall Deflection	6+40.00	ML IA 58	197+64.29	77.85 RT	2
6	Wall Deflection	6+72.00	ML IA 58	197+97.85	77.86 RT	3
7	Wall Deflection	7+68.00	ML IA 58	198+98.62	79.02 RT	3
8	Wall Deflection	8+32.00	ML IA 58	199+65.83	79.91 RT	2
9	Wall Deflection	8+80.00	ML IA 58	200+16.27	80.55 RT	2
10	Wall Deflection	9+28.00	ML IA 58	200+66.72	81.40 RT	8
11	Wall Deflection	9+76.00	ML IA 58	201+16.89	87.49 RT	9
12	Wall Deflection	9+92.00	ML IA 58	201+33.21	91.67 RT	7
13	Wall Deflection	10+40.00	ML IA 58	201+80.90	108.90 RT	8
14	Wall Deflection	10+56.00	ML IA 58	201+97.67	112.21 RT	10
15	Wall Deflection	11+52.00	ML IA 58	203+00.64	111.96 RT	4
16	Wall Deflection	12+32.00	ML IA 58	203+86.45	112.80 RT	7
17	Wall Deflection	14+24.00	ML IA 58	205+92.95	121.37 RT	4
18	Wall Deflection	14+88.00	ML IA 58	206+62.01	123.37 RT	3
19	Wall Deflection	15+52.00	ML IA 58	207+31.16	126.07 RT	2
20	Wall Deflection	16+32.00	ML IA 58	208+17.77	128.48 RT	3
21	Wall Deflection	17+12.00	ML IA 58	209+04.52	130.90 RT	5
22	Wall Deflection	18+72.00	Ramp B	2210+73.81	58.55 RT	2
23	Wall Deflection	19+84.00	Ramp B	2211+85.79	60.56 RT	1
24	Wall Deflection	22+24.00	Ramp B	2214+28.05	67.84 RT	10
25	Wall Deflection	22+40.00	Ramp B	2214+44.33	65 RT	10
26	Wall Deflection	23+04.00	Ramp B	2215+05.58	41.71 RT	10
27	Wall Deflection	23+36.00	Ramp B	2215+37.41	34.69 RT	10
28	Wall Deflection	23+84.00	Ramp B	2215+86.11	31.49 RT	4
29	Wall Deflection	24+48.00	Ramp B	2216+50.67	30.06 RT	2
30	Wall Deflection	25+76.00	Ramp B	2217+78.42	22.08 RT	2
31	Wall Deflection	26+40.00	Ramp B	2218+41.45	21.39 RT	2
32	Wall Deflection	26+72.00	Ramp B	2218+72.82	21.3 RT	2
33	Wall Deflection	27+20.00	Ramp B	2219+19.88	21.26 RT	3
34	Wall Deflection	27+68.00	Ramp B	2219+66.94	20.86 RT	1
35	Wall Deflection	28+32.00	Ramp B	2220+30.87	20.84 RT	7
36	Wall Deflection	28+64.00	Ramp B	2220+62.63	24.73 RT	9
37	Wall Deflection	28+96.00	Ramp B	2220+93.40	33.54 RT	6
38	Wall Deflection	29+12.00	Ramp B	2221+08.23	39.53 RT	4
39	Wall Deflection	29+28.00	Ramp B	2221+22.62	46.54 RT	3
40	Wall Deflection	29+44.00	Ramp B	2221+37.39	54.2 RT	3
41	Wall Deflection	29+60.00	Ramp B	2221+52.04	62.37 RT	3
42	Wall Deflection	29+76.00	Ramp B	2221+66.50	71.05 RT	4
43	Wall Deflection	29+92.00	Ramp B	2221+80.57	80.45 RT	1
44	Wall Deflection	30+08.00	Ramp B	2221+95.12	89.42 RT	4
45	Wall Deflection	30+24.00	Ramp B	2222+10.61	97.23 RT	5
46	Wall Deflection	30+40.00	Ramp B	2222+99.00	98.81 RT	3
47	Wall Deflection	30+56.00	Ramp B	2223+13.94	93.08 RT	5
48	Wall Deflection	30+88.00	Ramp B	2223+42.71	79.06 RT	4
49	Wall Deflection	31+04.00	Ramp B	2223+57.55	73.08 RT	10
50	Wall Deflection	31+20.00	Ramp B	2223+73.20	69.76 RT	10
51	Wall Deflection	31+36.00	Ramp B	2223+89.19	69.2 RT	10
52	Wall Deflection	31+52.00	Ramp B	2224+05.03	71.44 RT	10
53	End Wall	31+68.00	Ramp B	2224+20.25	76.39 RT	0
	End Wall	31+68.00	SR Greenhill	24+82.87	73.88 RT	0
54	End Alignment	31+84.00	Ramp B	2224+35.46	81.34 RT	0
	End Alignment	31+84.00	SR Greenhill	24+98.01	68.7 RT	0



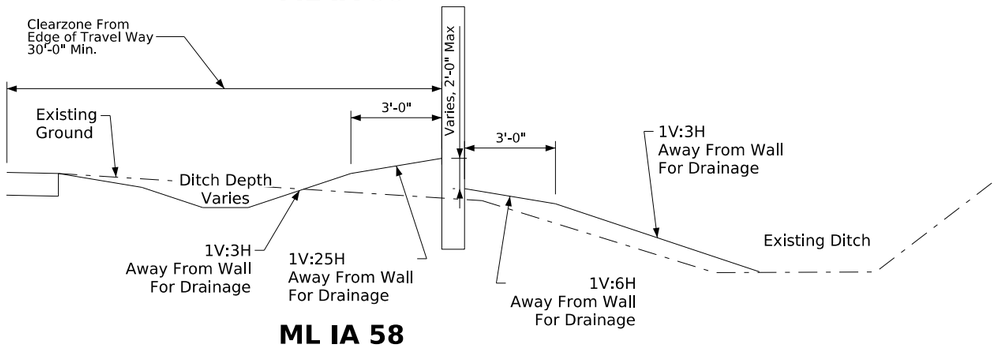
Ramp B



ML IA 58 and Ramp B



ML IA 58



ML IA 58

Design For

3136' X Var. Height Precast Concrete Noise Wall IA 58

Situation Plan

STA. 191+43.10 - 223+31.88 (IA 58)

Turn-in Date:

Black Hawk County

IOWA DEPARTMENT OF TRANSPORTATION

Design No. | Design Sheet No. 9 of 9 | FHWA/Asset

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

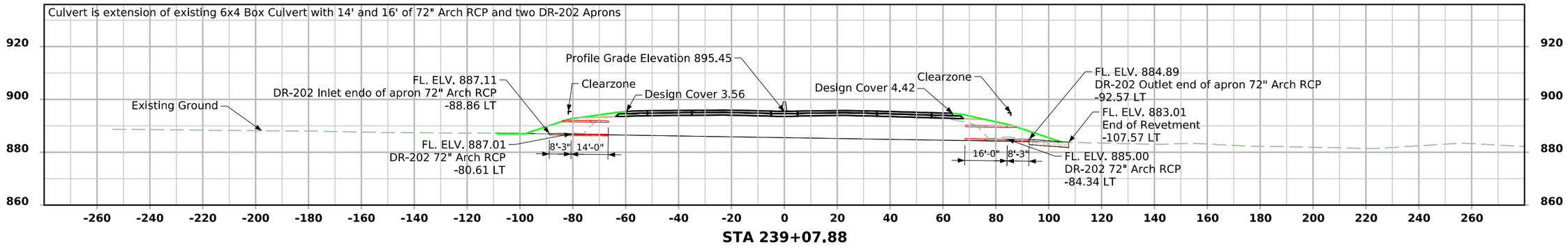
Signature Date

DANIEL D. KIMBALL
Printed or Typed Name

My license renewal date is December 31, 2017

Pages or sheets covered by this seal: _____

ML IA 58



FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER VX.1

9:58:33 AM 7/21/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Bridge\(97)_Unknown Pavement - Grade and New\SHT_ORD_07058097_AECOM_PIPE_CULVERTS_Z05.dgn

CROSS SECTION VIEW COLOR LEGEND

Design Color No.	Feature
Aggregate	
(64)	Choke Stone
(42)	Engineering Fabric
(8)	Flooded Backfill
(92)	Macadam Stone
(20)	Modified
(12)	Plowing Shaping
(14)	Porous Backfill
(8)	Revetment Class A
(6)	Revetment Class B
(62)	Revetment Class C
(188)	Revetment Class D
(28)	Revetment Class E
(12)	Shoulder Special Backfill
(12)	Special Backfill
(20)	Subbase
(20)	Subbase Lower
(20)	Subbase Upper
(118)	Subgrade Treatment
Asphalt	
(207)	HMA Base Course
(207)	HMA Interim Course
(207)	HMA Surface Course
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

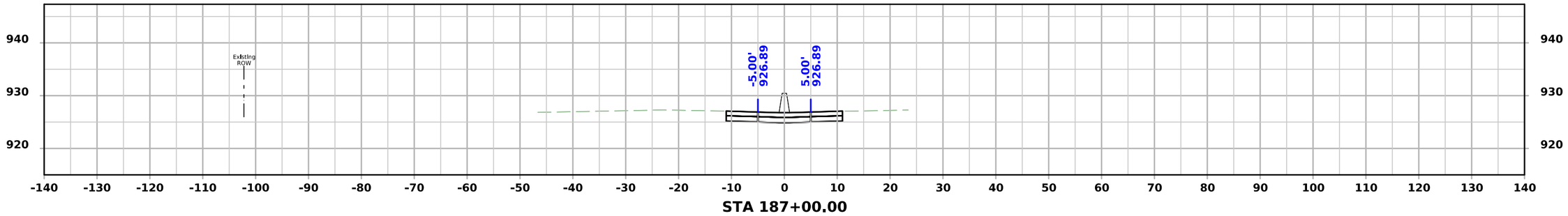
CROSS SECTIONS
LEGEND AND INFORMATION SHEET

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

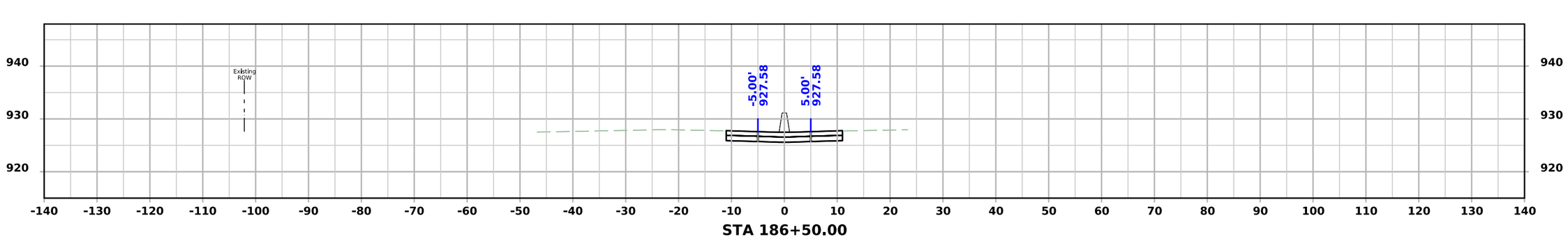
FILE NO. **98765**	ENGLISH	DESIGN TEAM **AECOM**	**BLACK HAWK** COUNTY	PROJECT NUMBER **NHSX-058-1(097)--3H-07**	SHEET NUMBER **W.1**

8:43:05 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Legend_Sheet.dgn

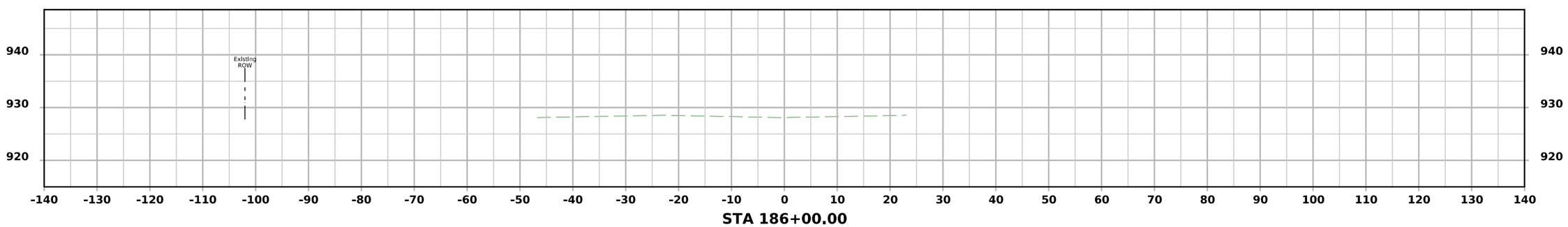
ML - IA58



STA 187+00.00



STA 186+50.00

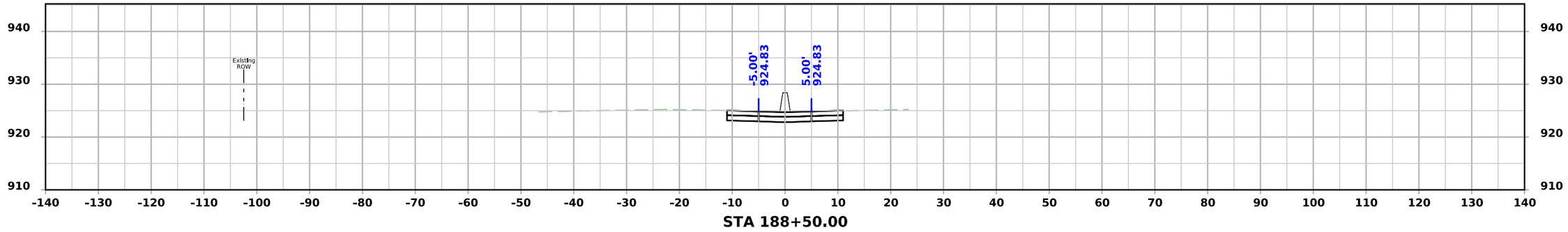


STA 186+00.00

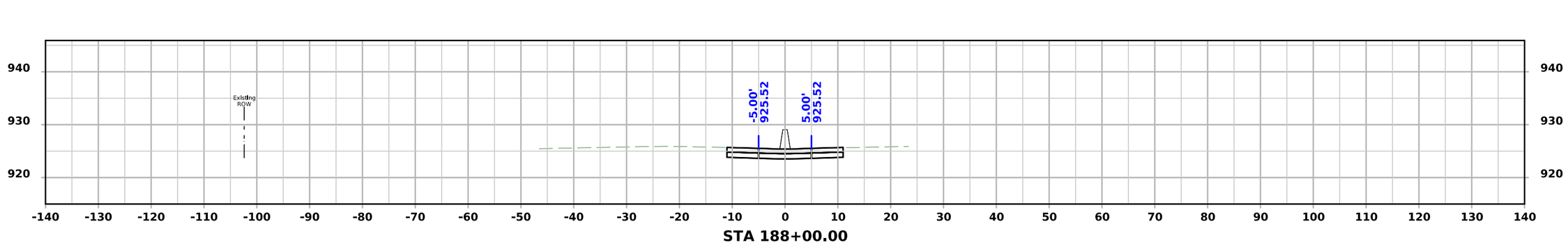
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.2

8:43:25 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

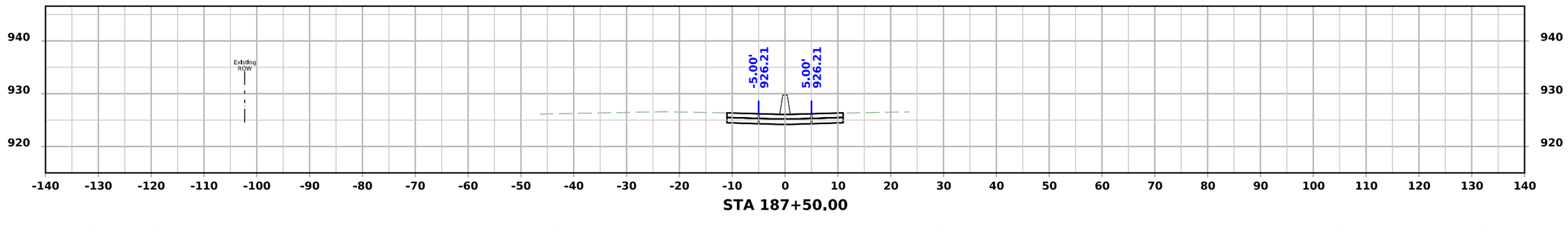
ML - IA58



STA 188+50.00



STA 188+00.00

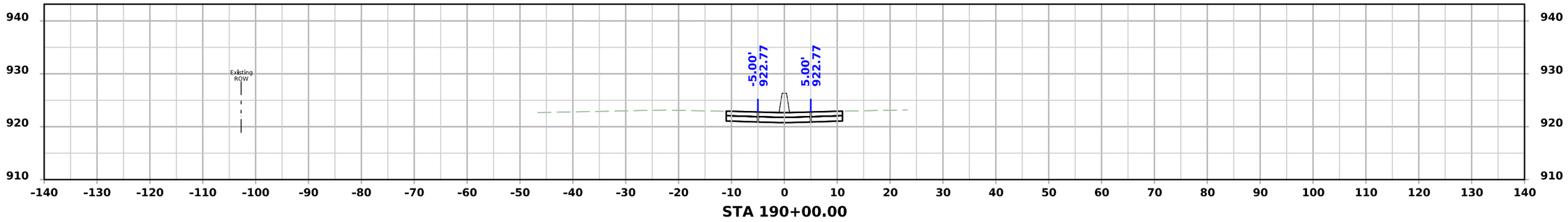


STA 187+50.00

FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.3

8:43:26 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



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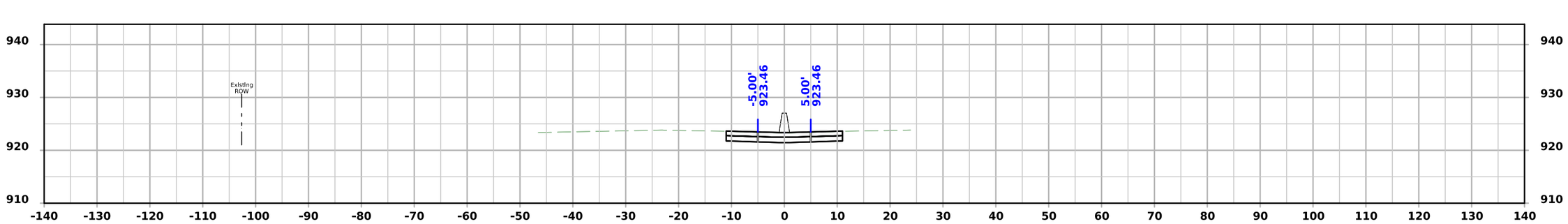
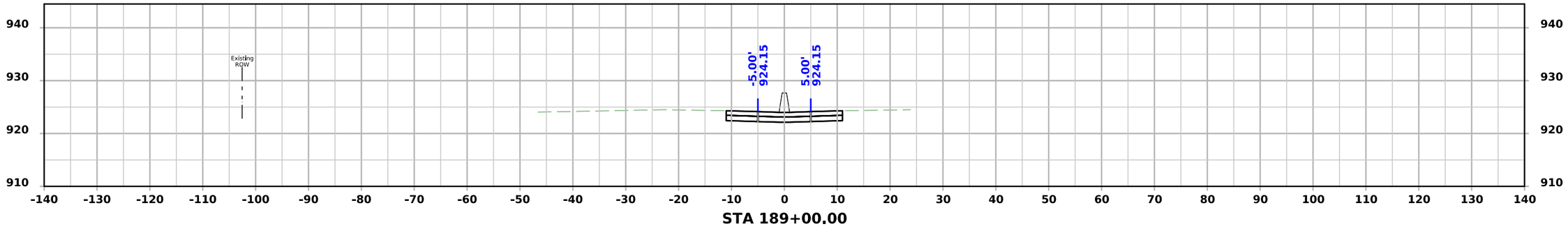


STA 189+50.00

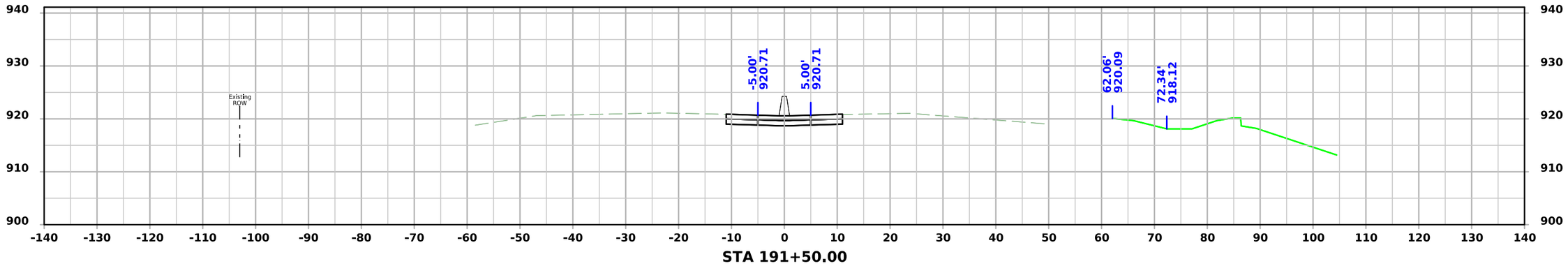


STA 189+00.00

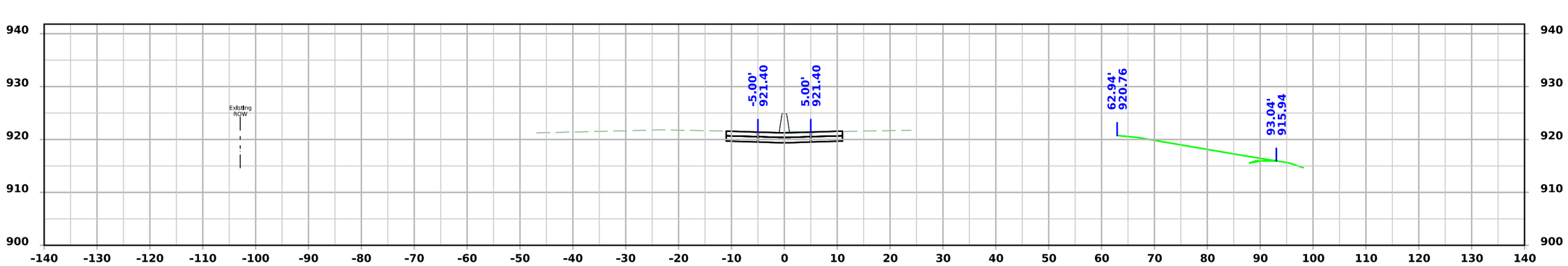
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.4

8:43:26 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

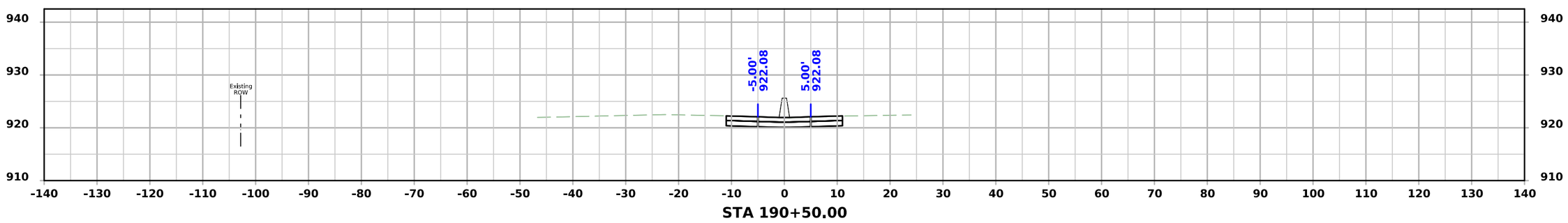
ML - IA58



STA 191+50.00



STA 191+00.00

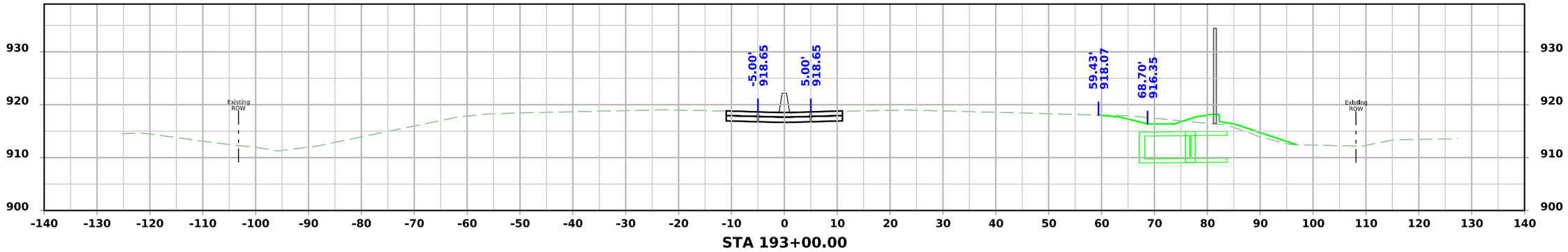


STA 190+50.00

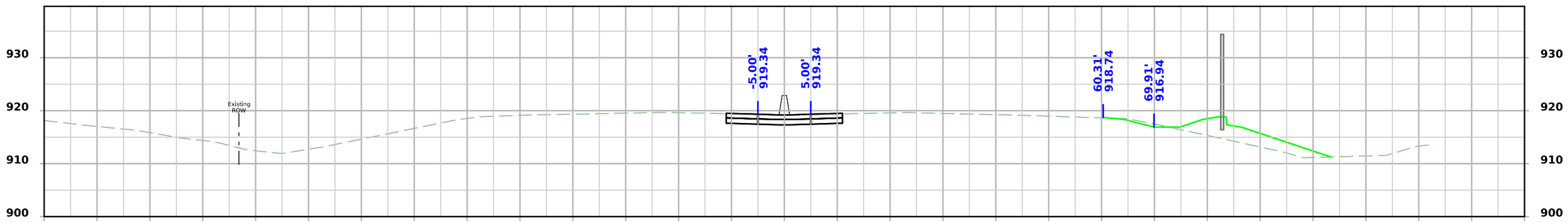
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.5

8:43:27 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

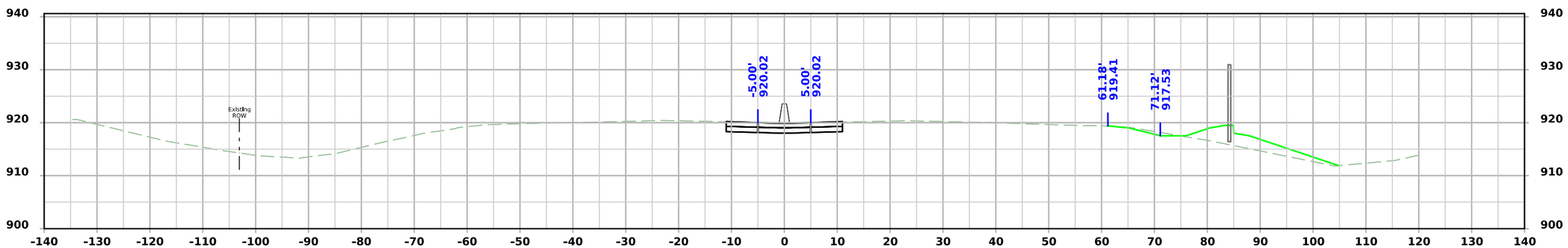
ML - IA58



STA 193+00.00



STA 192+50.00

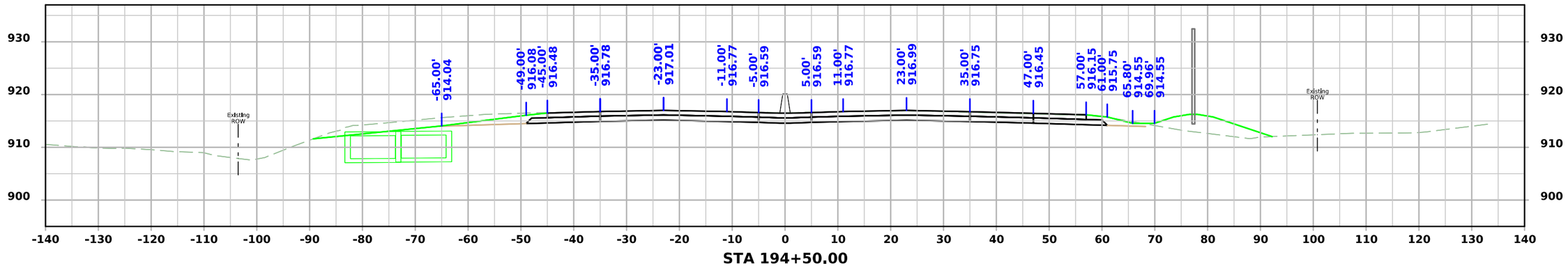


STA 192+00.00

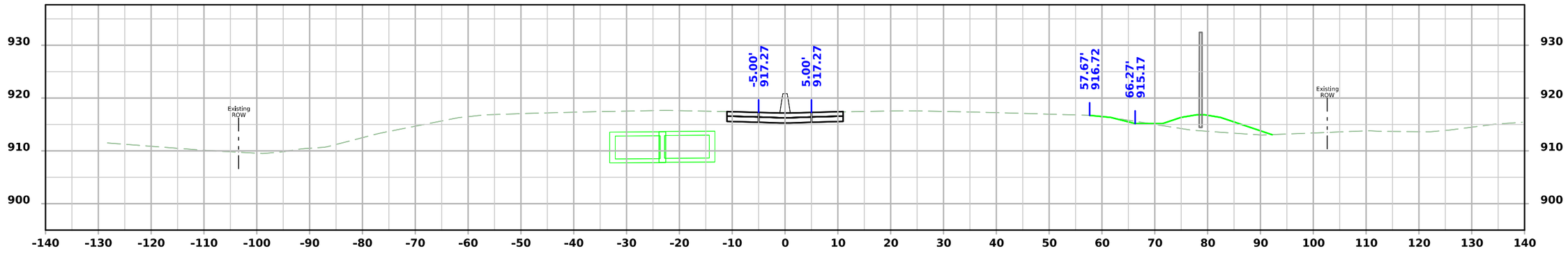
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.6

8:43:28 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



STA 194+50.00



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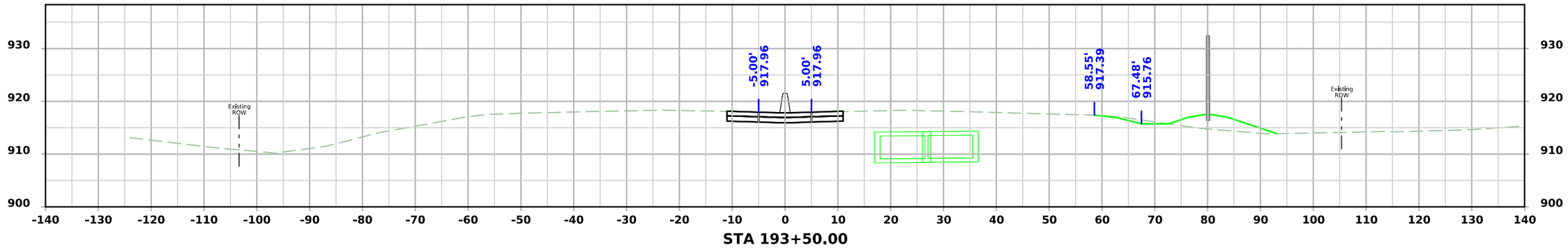
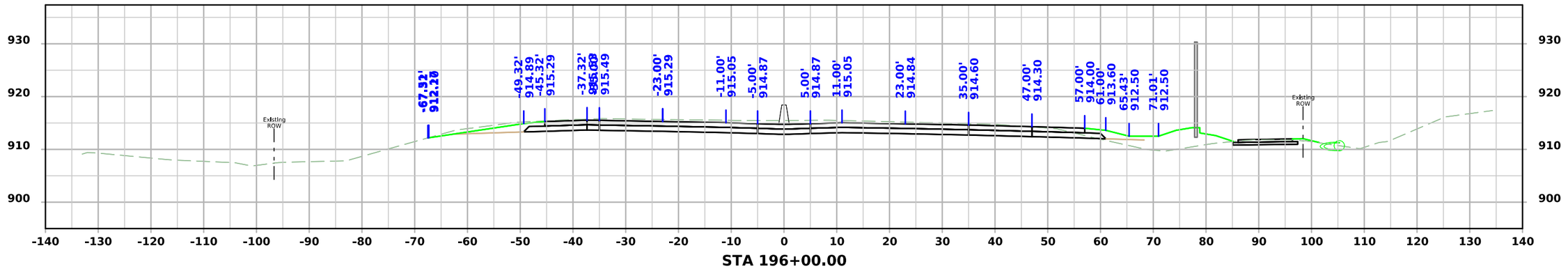


STA 193+50.00

FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.7	

8:43:29 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



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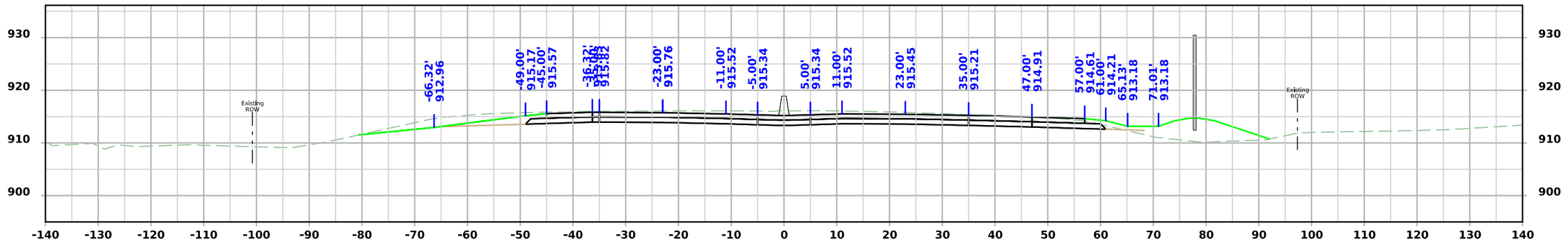

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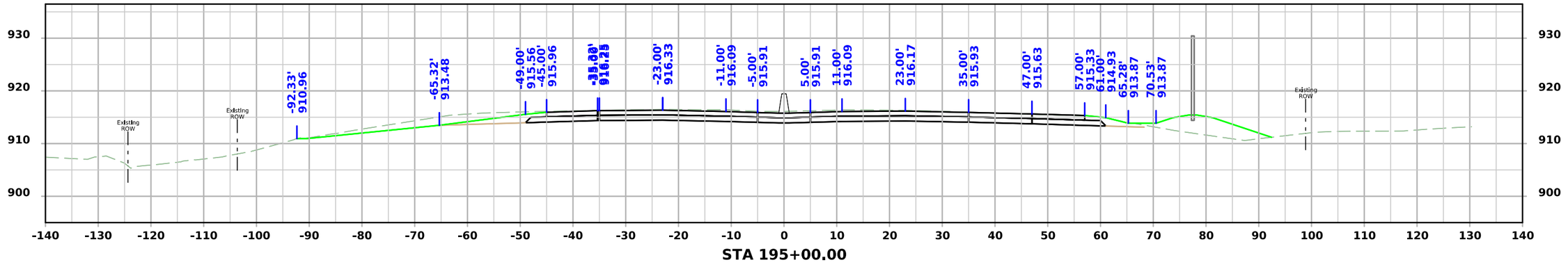
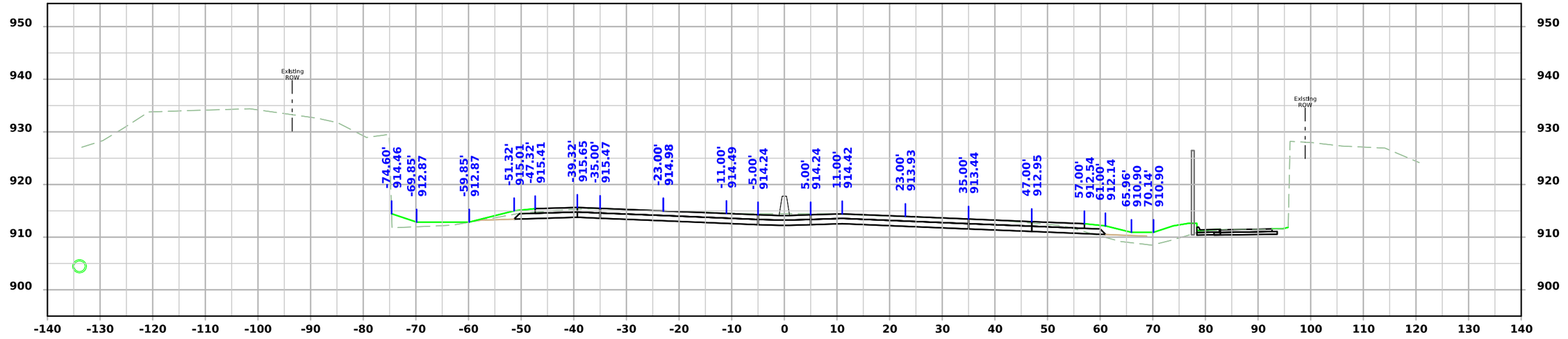


STA 195+00.00

FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.8

8:43:31 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



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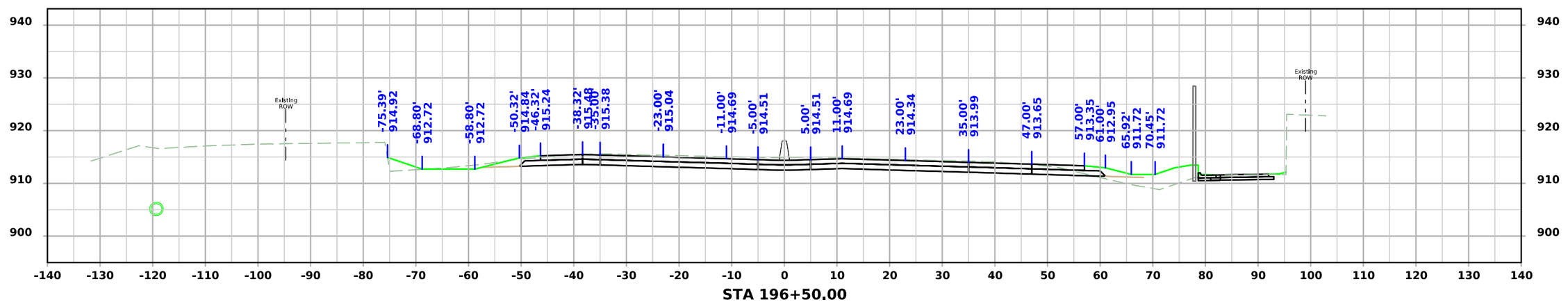

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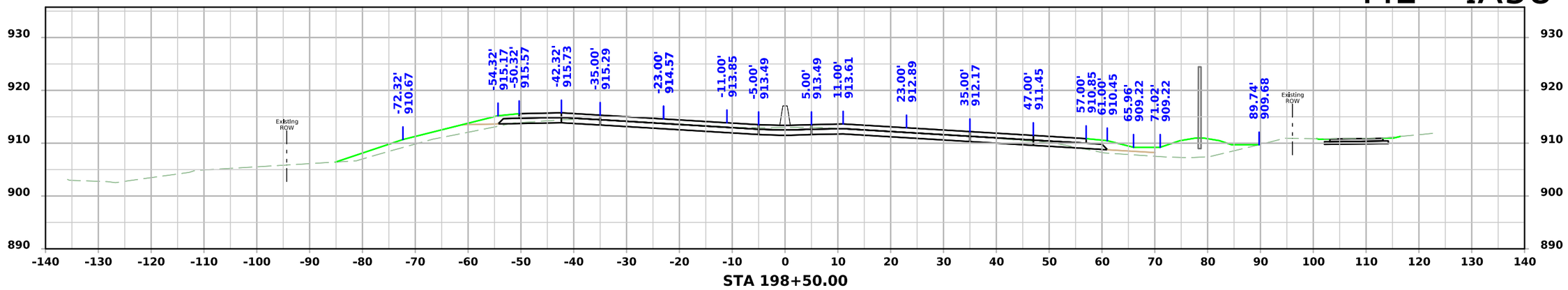
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.9

8:43:32 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



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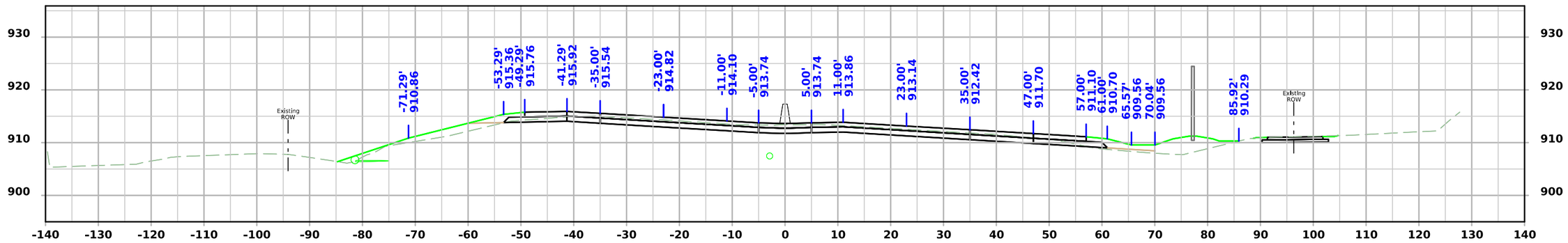

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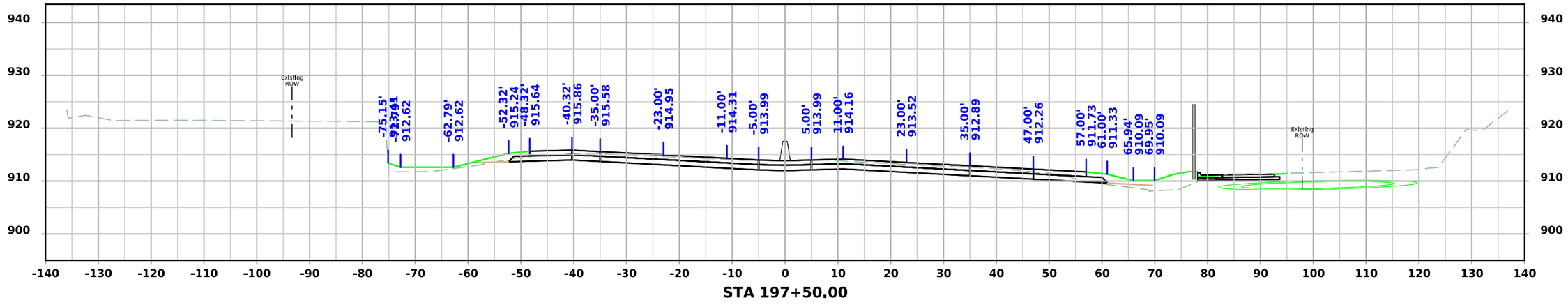
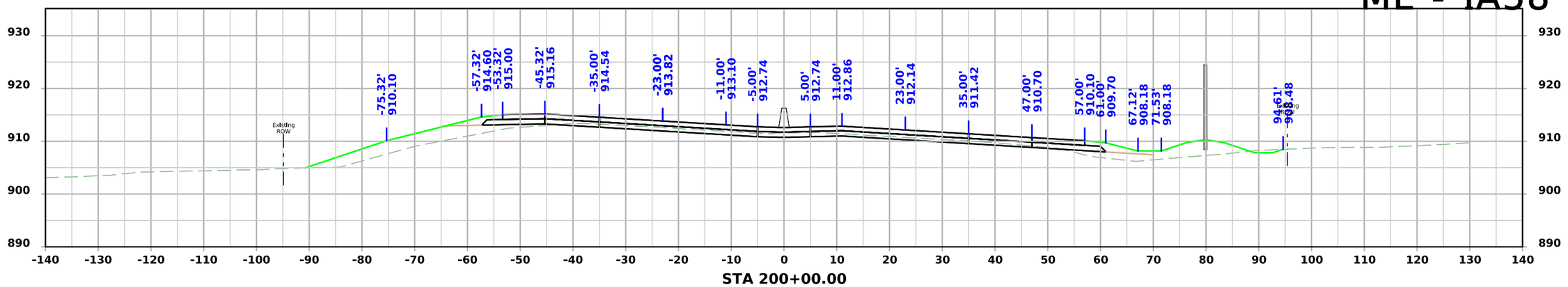


STA 197+50.00

FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.10

8:43:33 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



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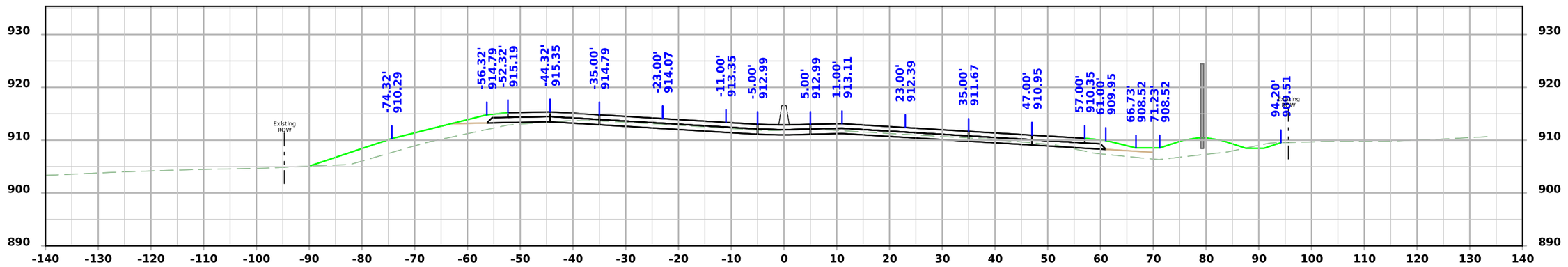

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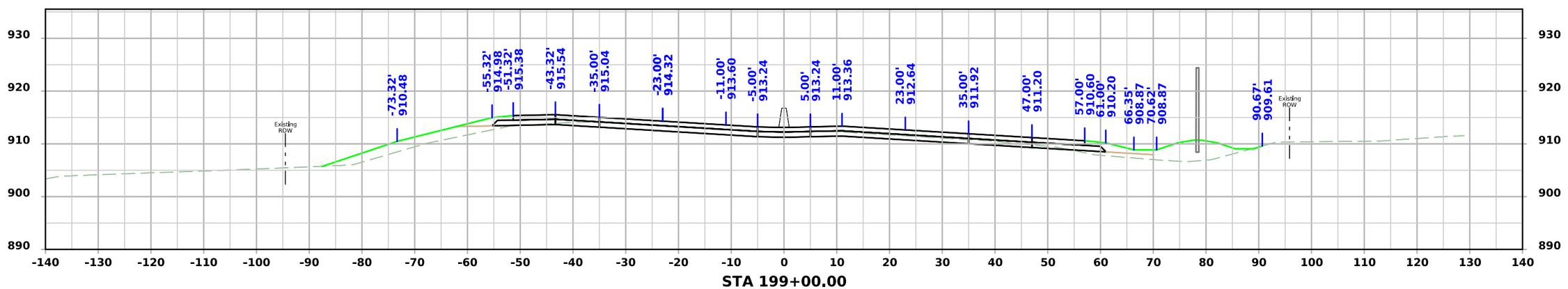
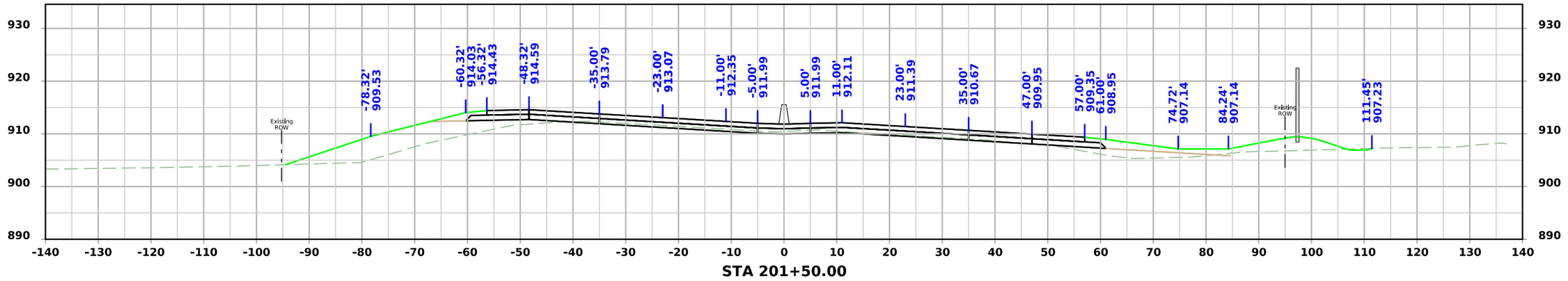


STA 199+00.00

FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.11

8:43:34 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



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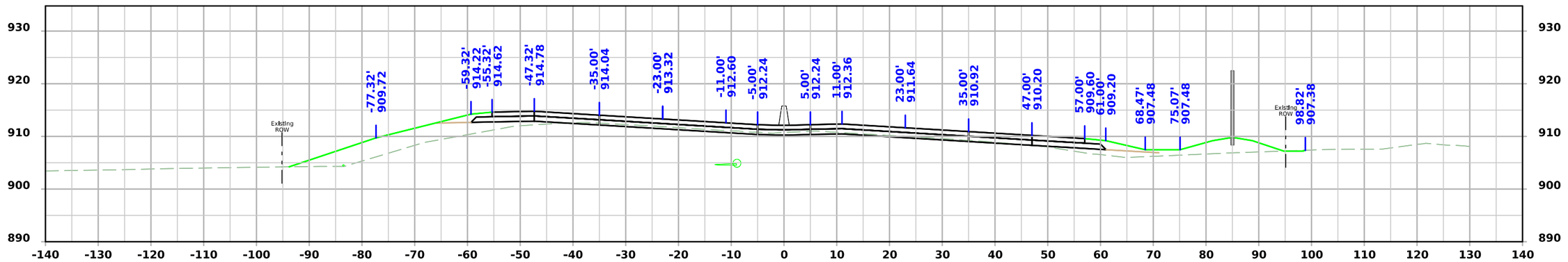

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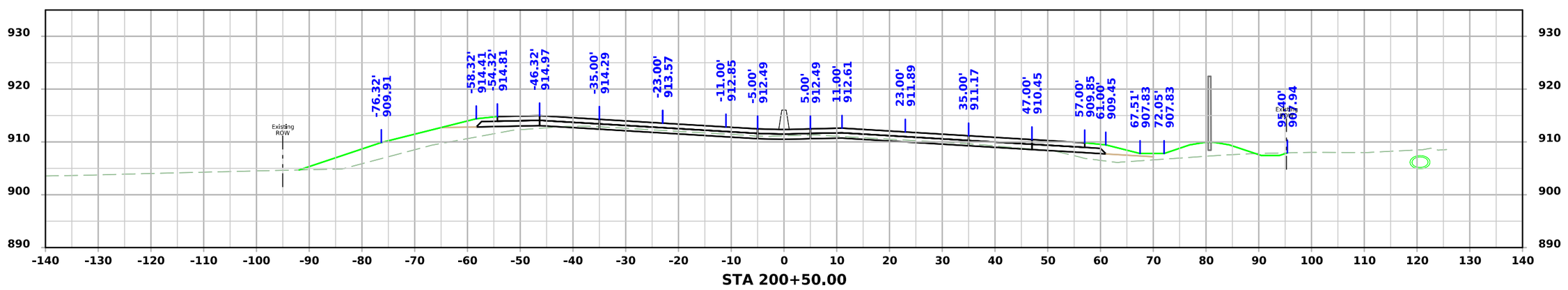
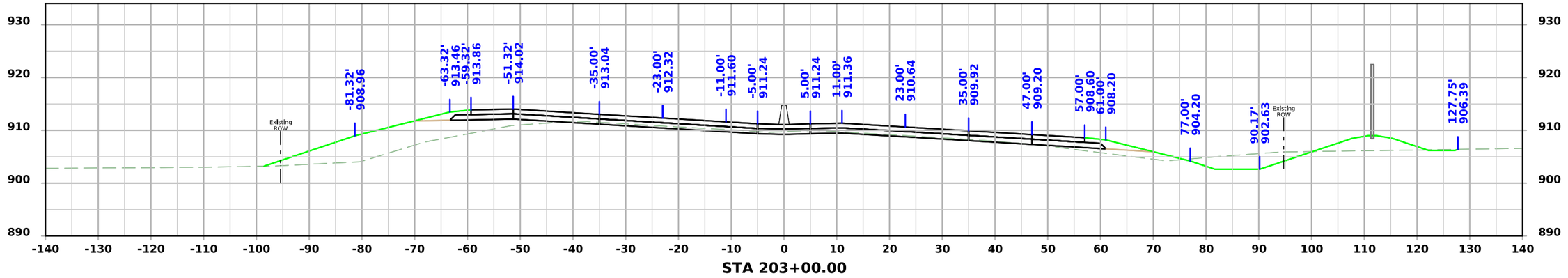


STA 200+50.00

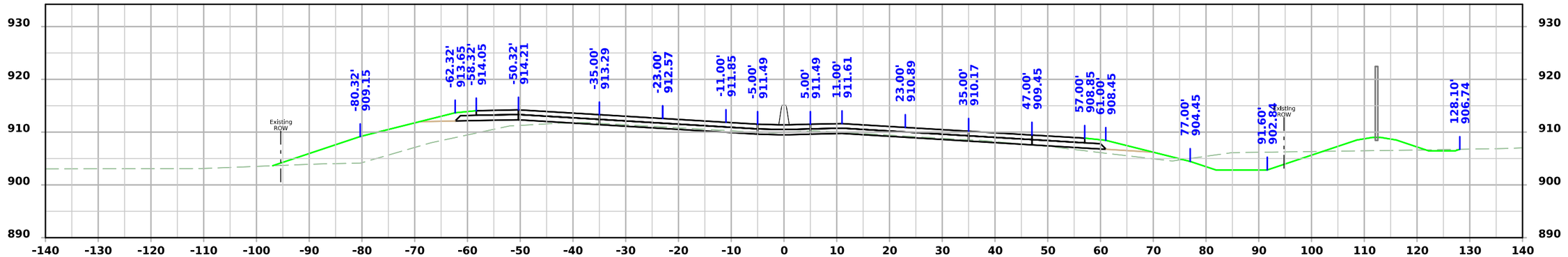
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.12

8:43:35 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



STA 203+00.00



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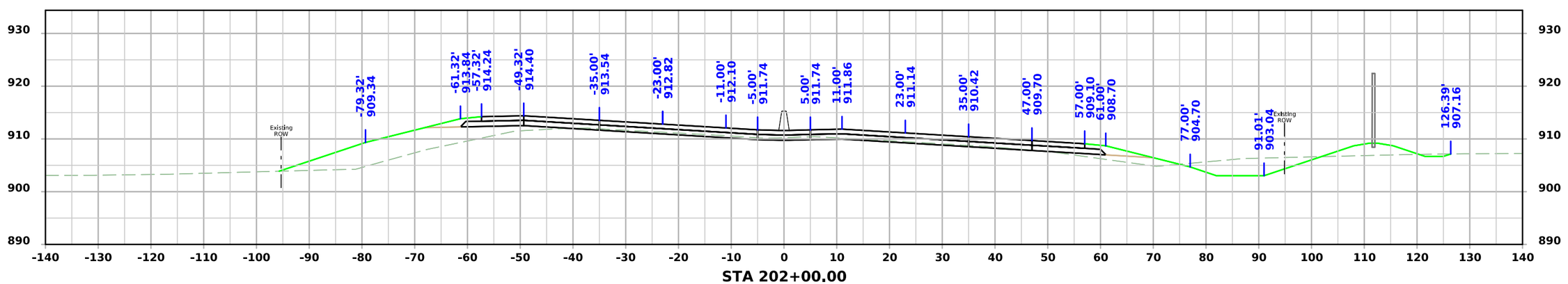
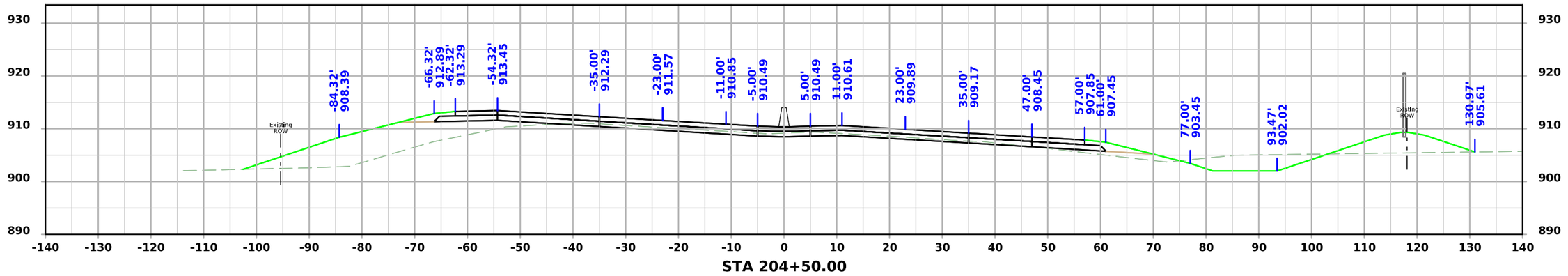


STA 202+00.00

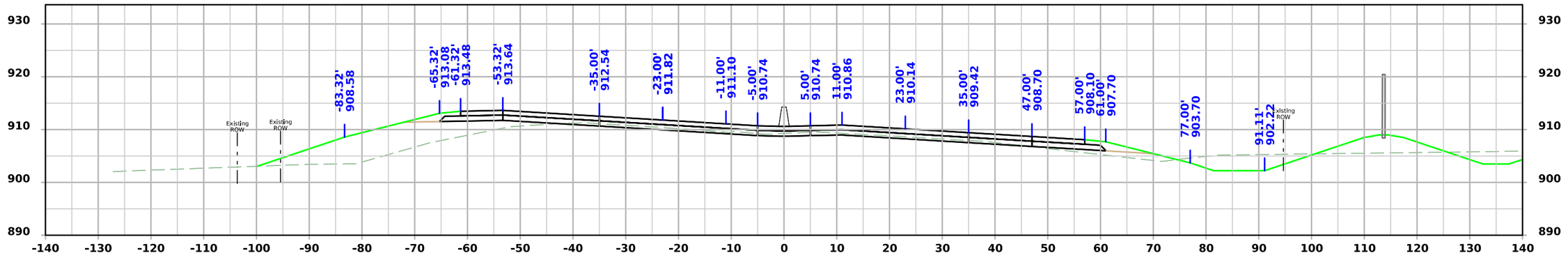
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.13

8:43:36 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



STA 204+50.00



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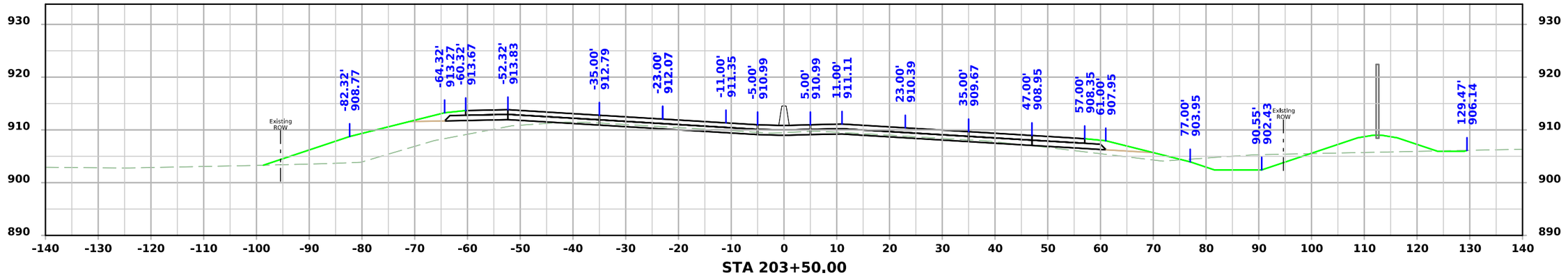
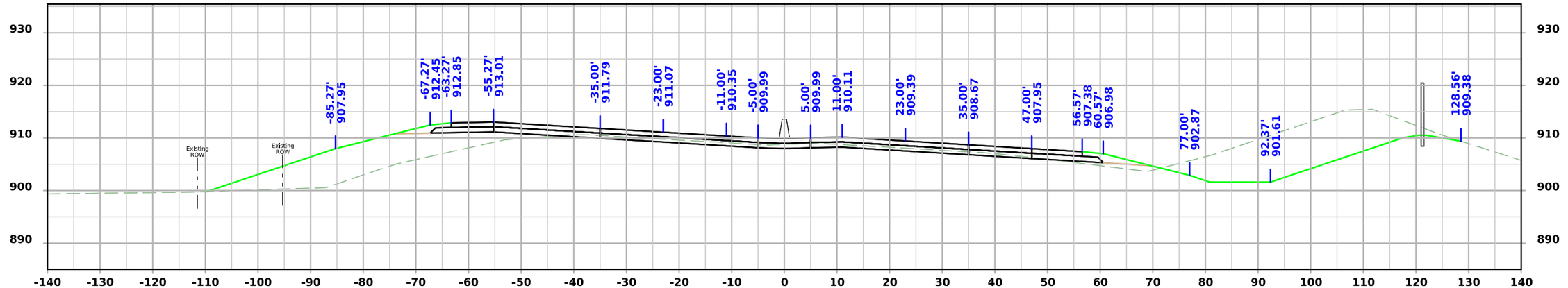


STA 203+50.00

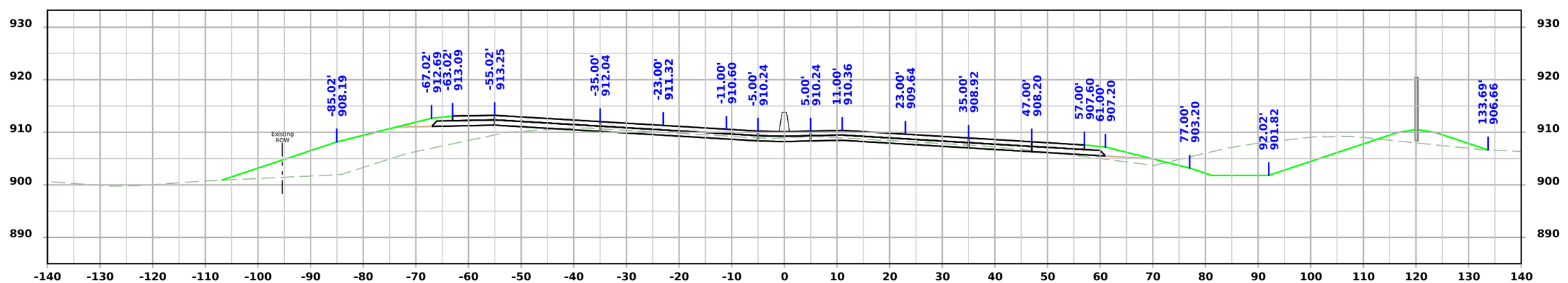
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.14	

8:43:38 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



STA 205+50.00

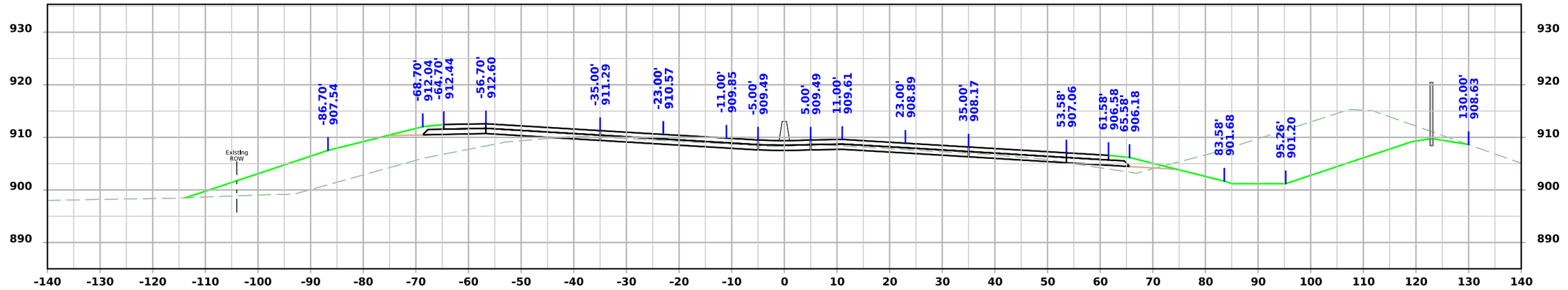


STA 205+00.00

FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.15

8:43:39 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



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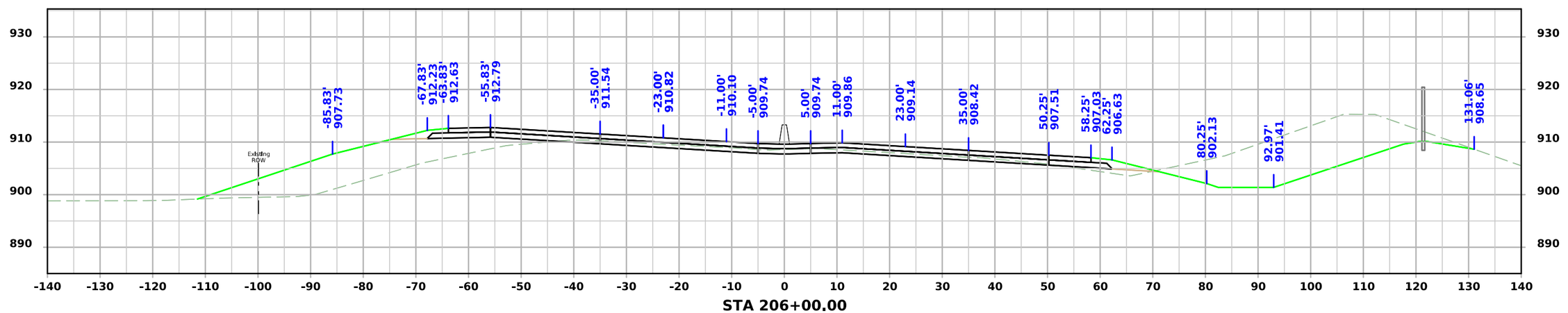
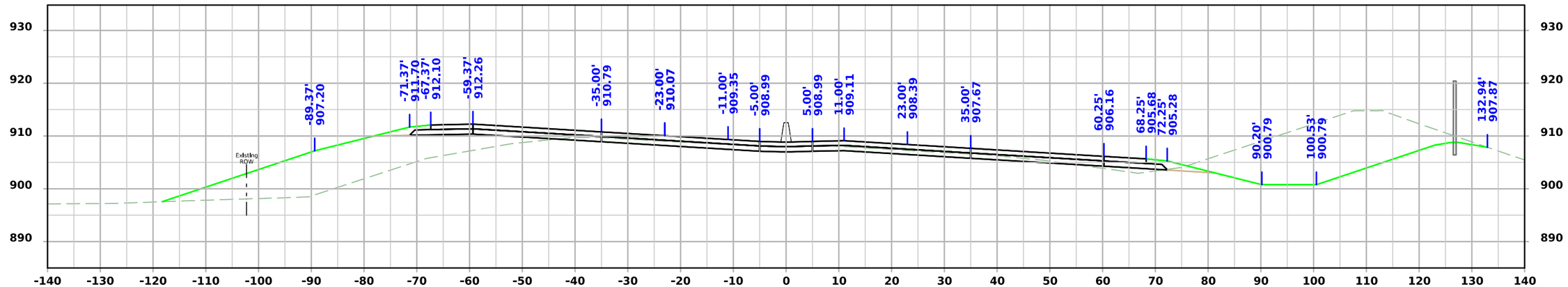


STA 206+00.00

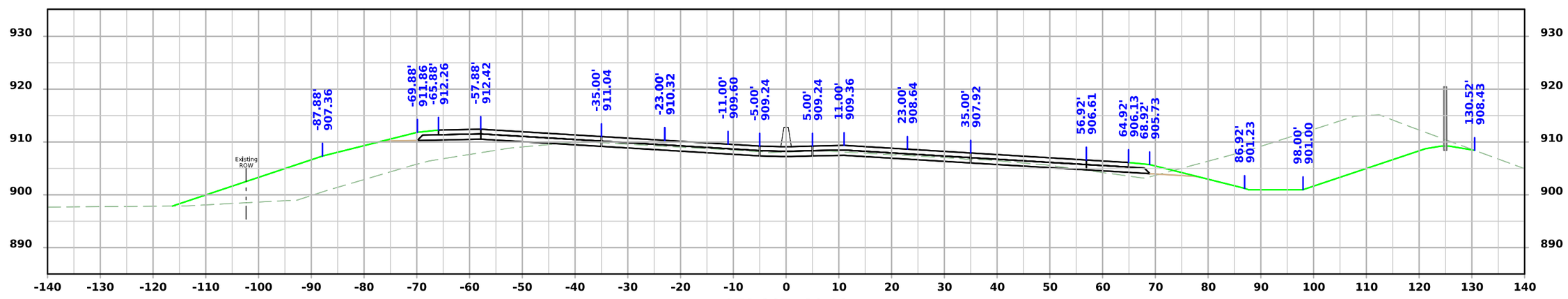
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.16

8:43:40 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\GreenhIll_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



STA 207+50.00

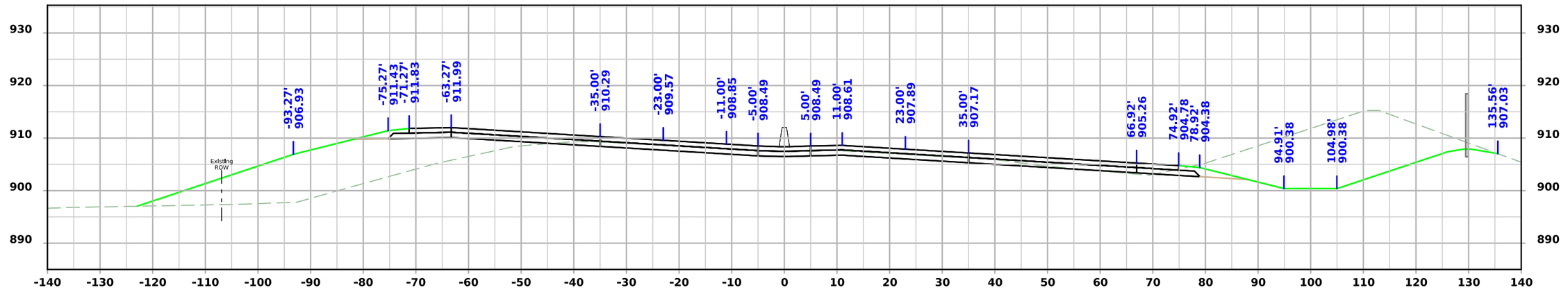


STA 207+00.00

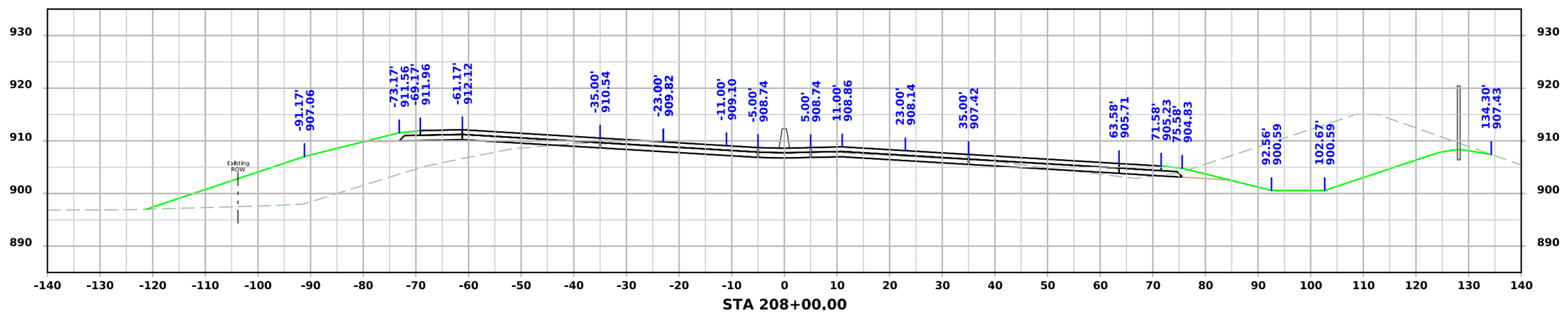
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.17

8:43:41 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



STA 208+50.00

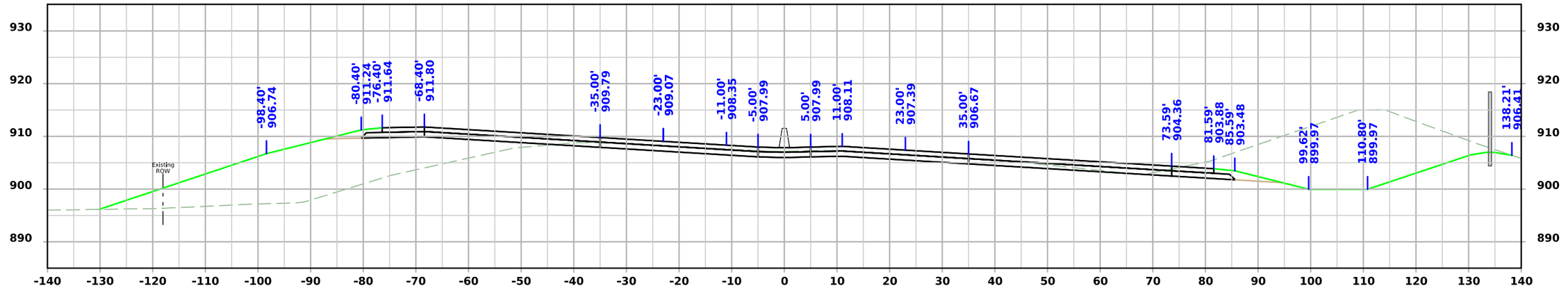


STA 208+00.00

FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.18

8:43:42 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



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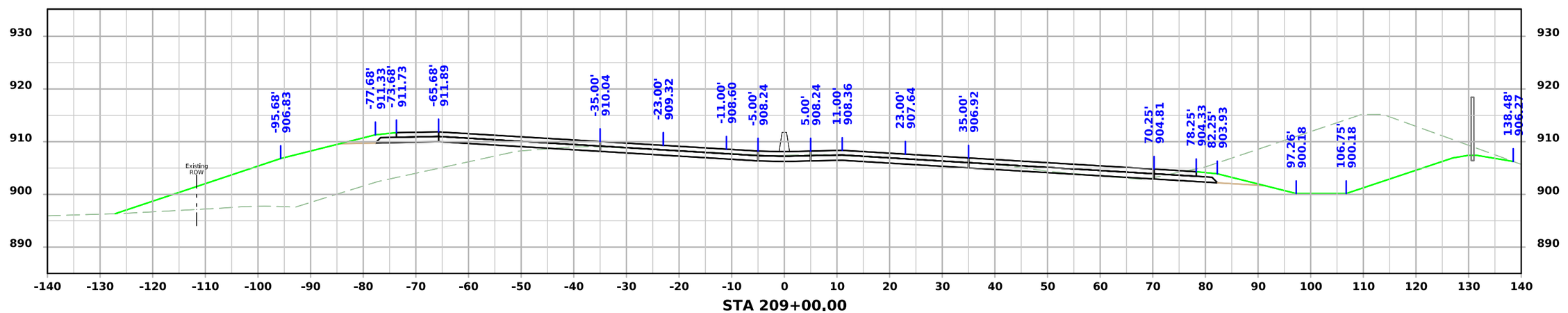
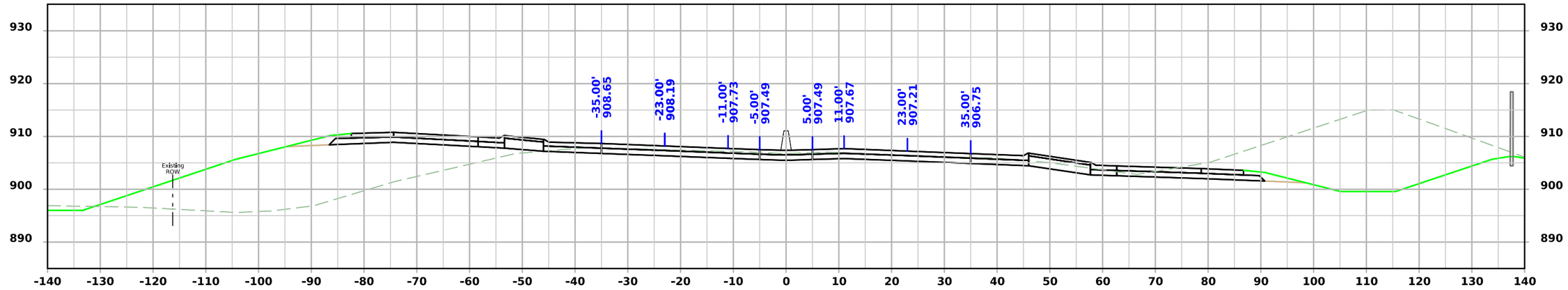


STA 209+00.00

FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.19

8:43:43 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



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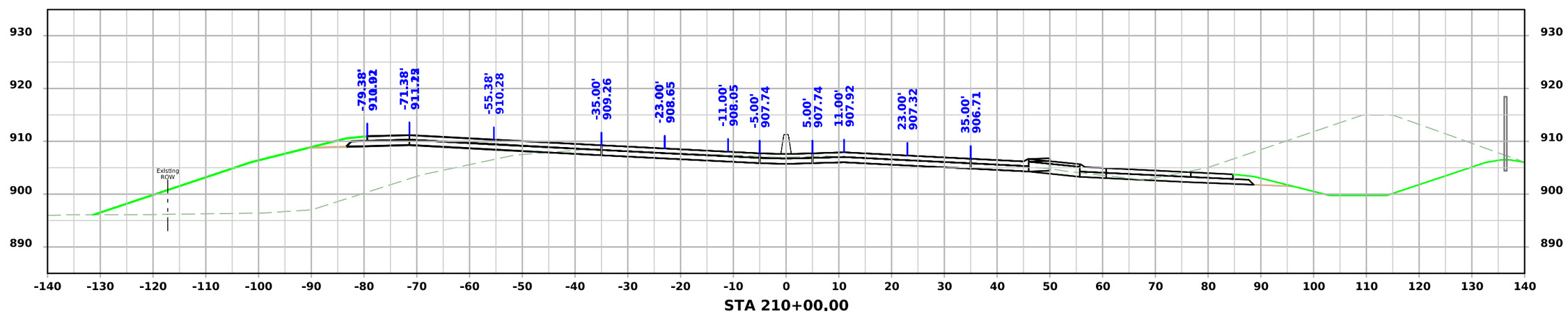
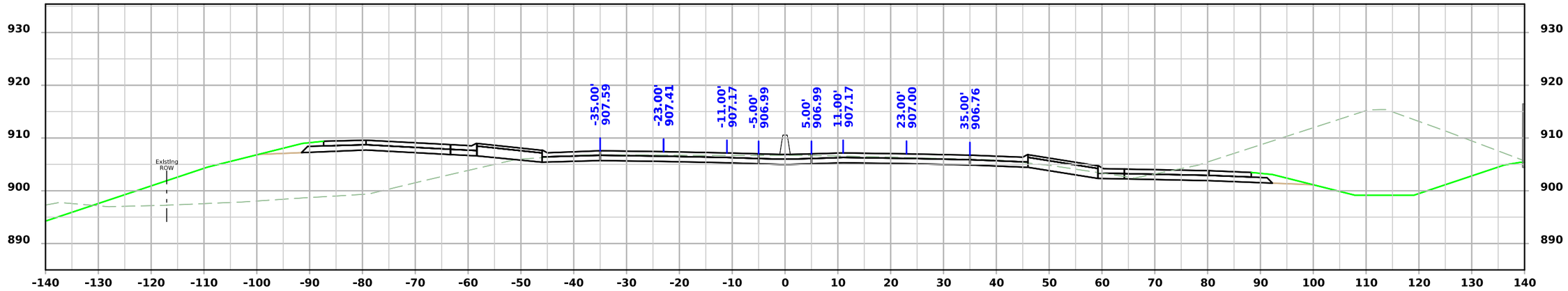


STA 210+00.00

FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.20

8:43:45 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



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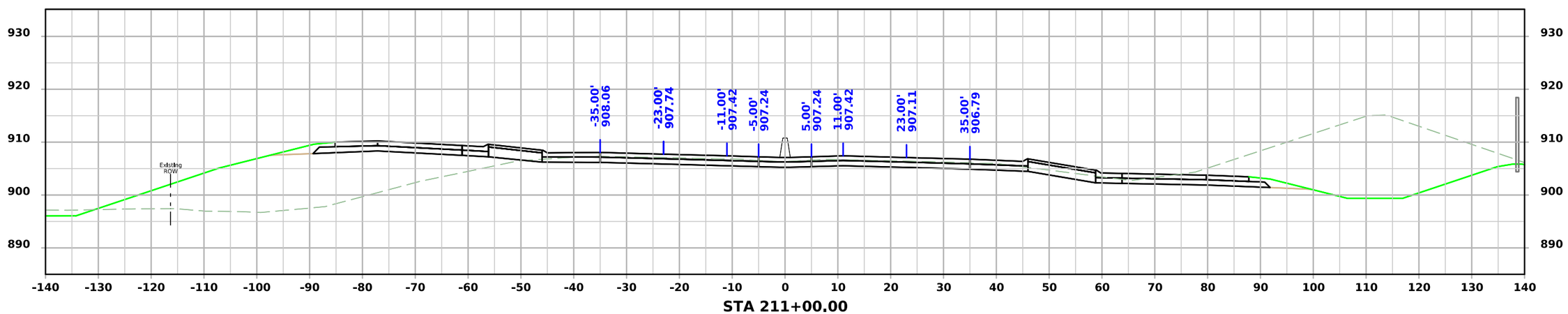
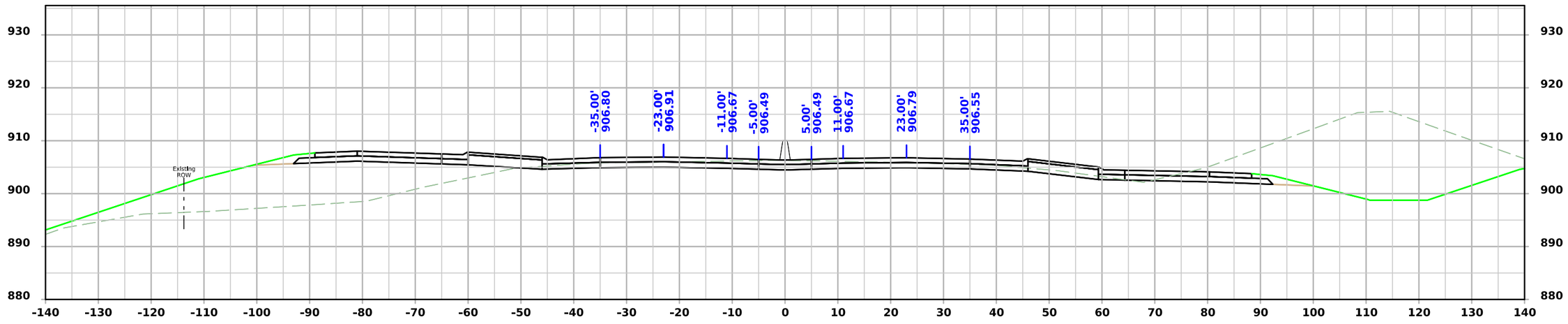


STA 211+00.00

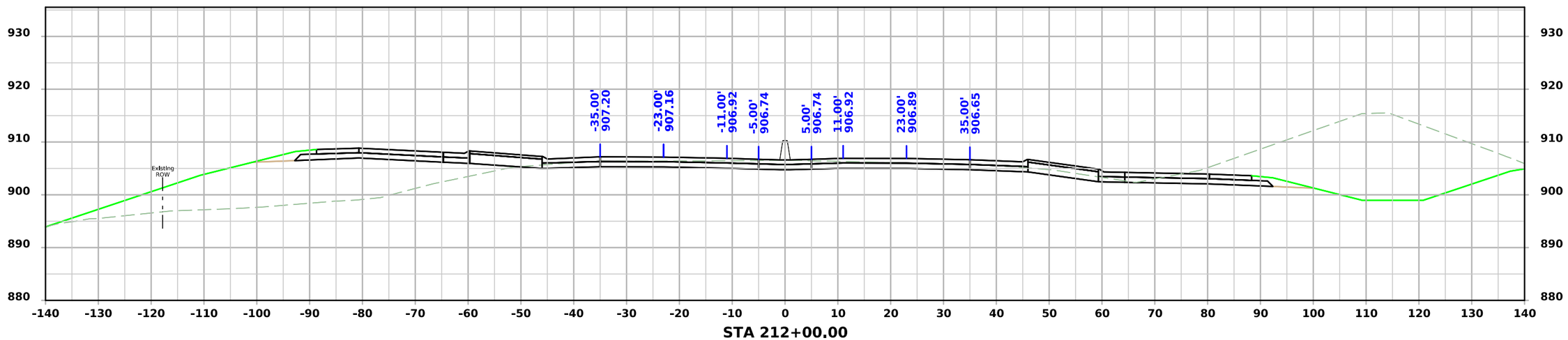
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.21

8:43:46 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



STA 212+50.00

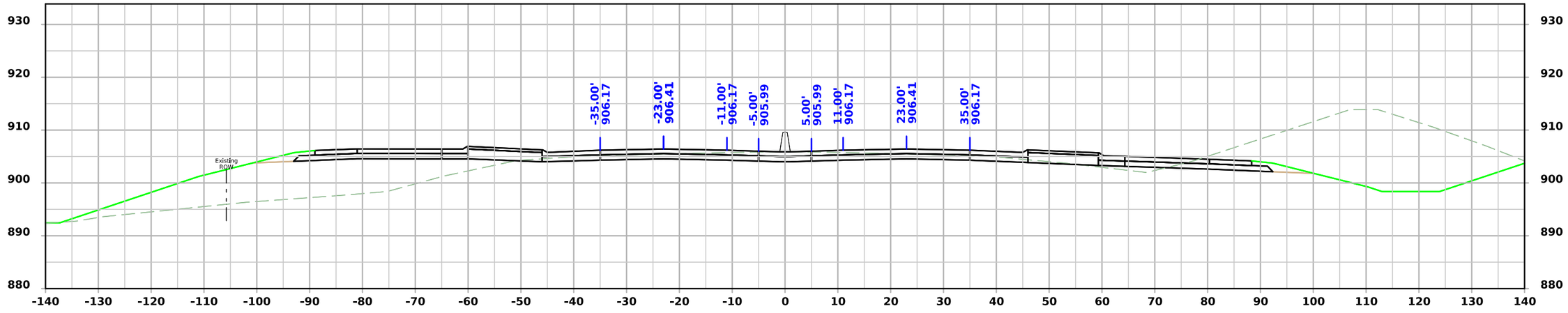


STA 212+00.00

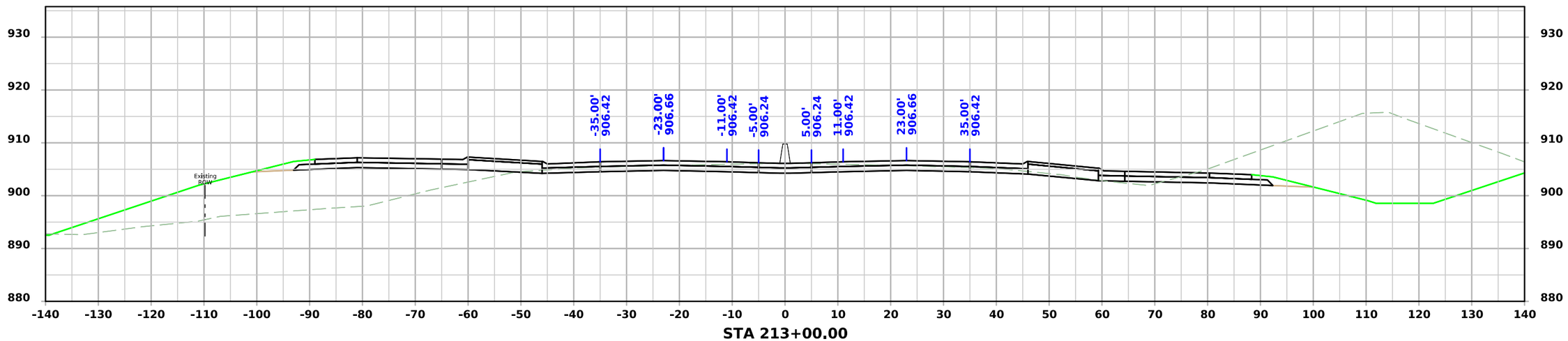
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.22

8:43:47 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



STA 213+50.00

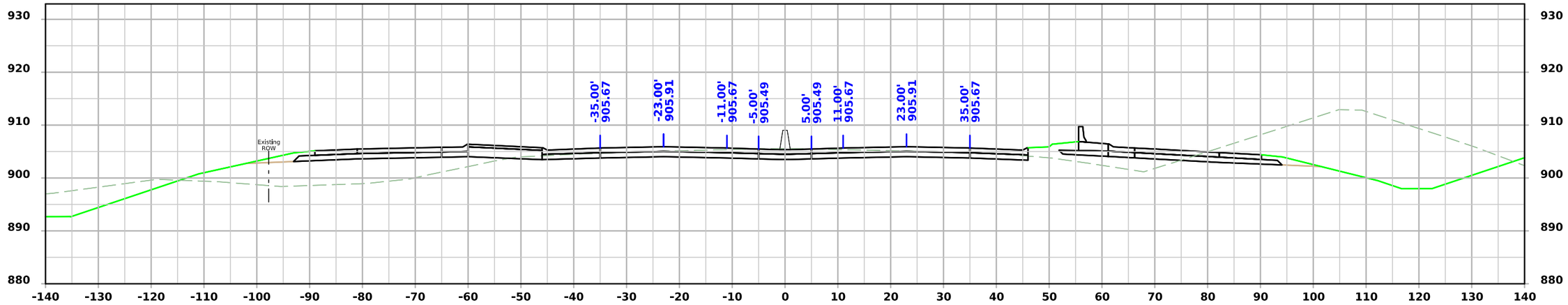


STA 213+00.00

FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.23	

8:43:48 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



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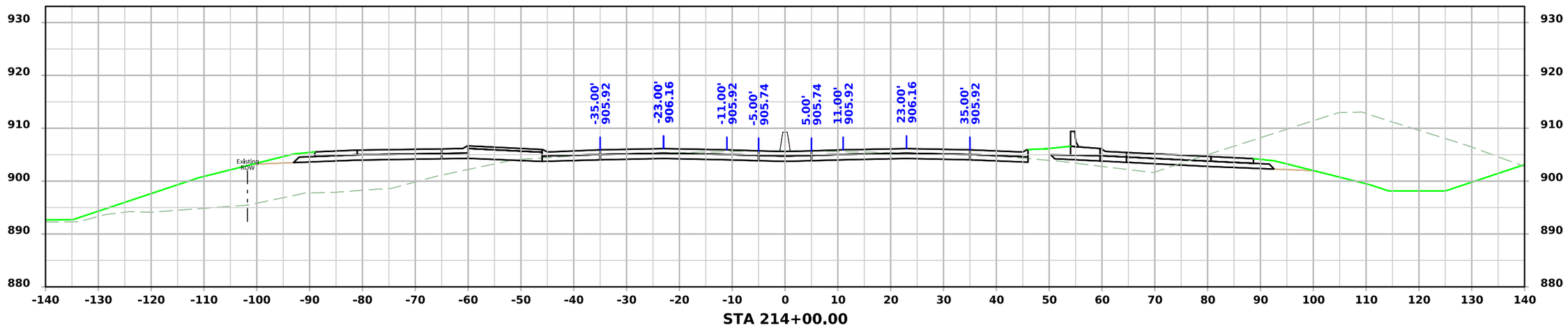
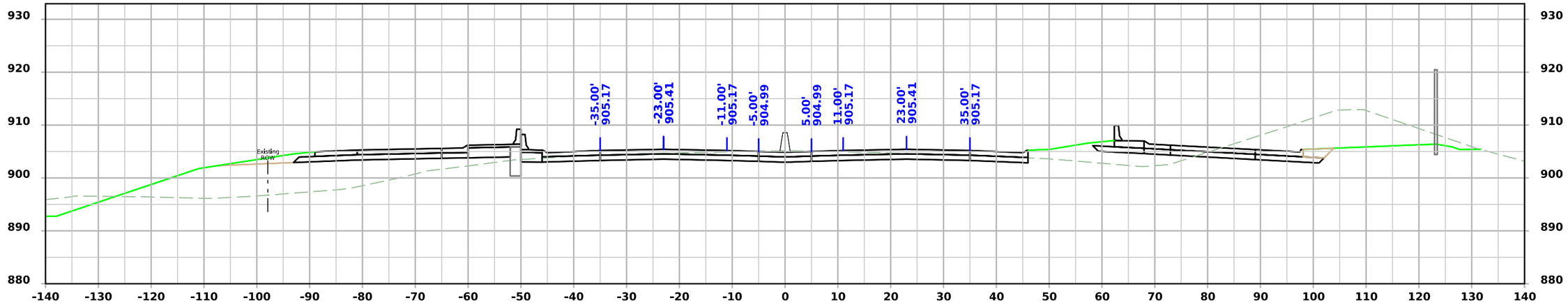


STA 214+00.00

FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.24

8:43:49 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\GreenhIll_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



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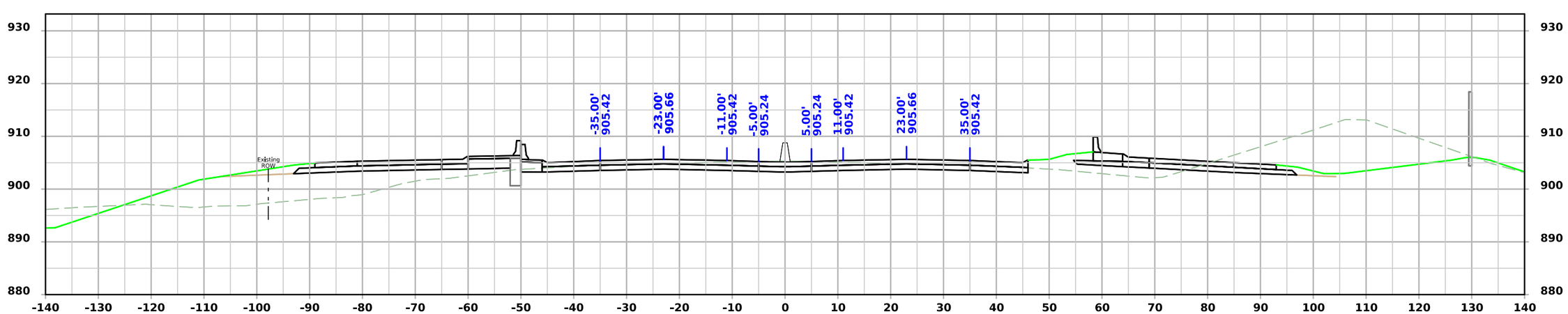
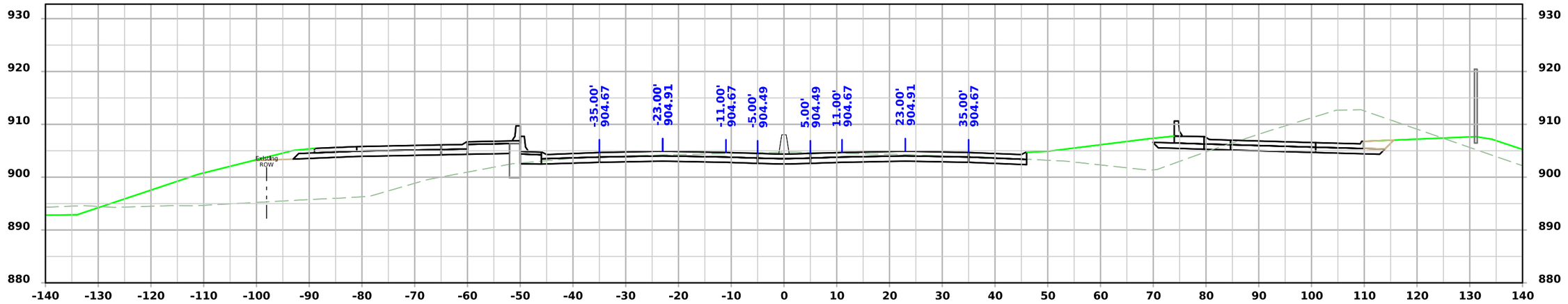


STA 215+00.00

FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.25

8:43:50 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



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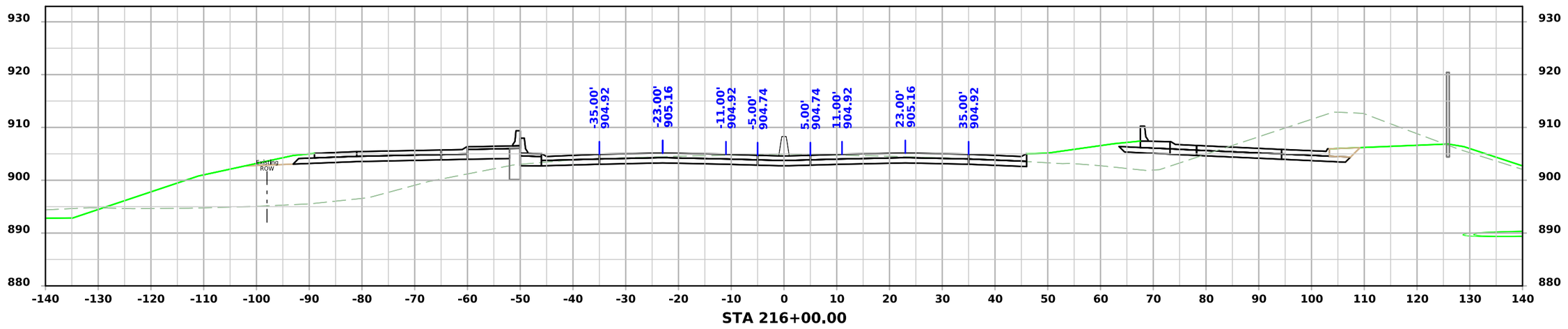
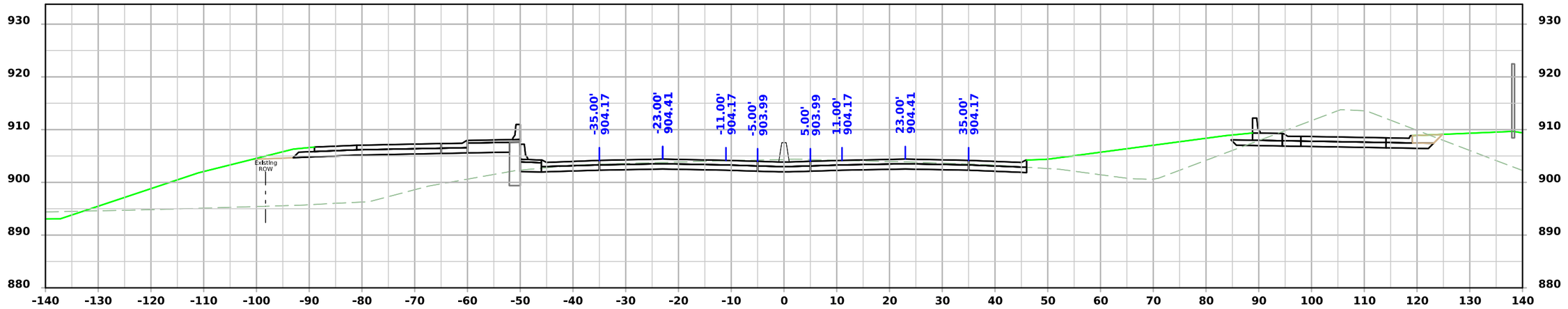


STA 216+00.00

FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.26

8:43:51 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\GreenhIll_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



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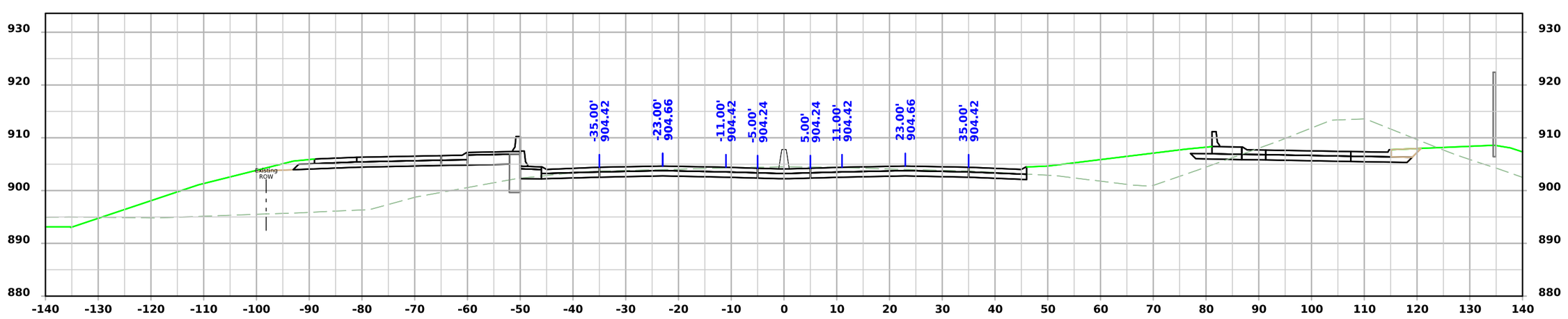
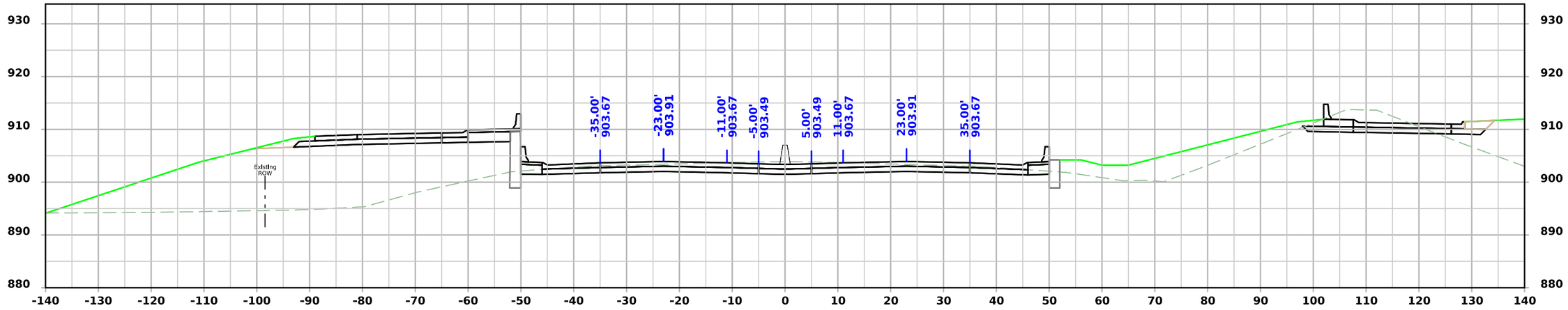


STA 217+00.00

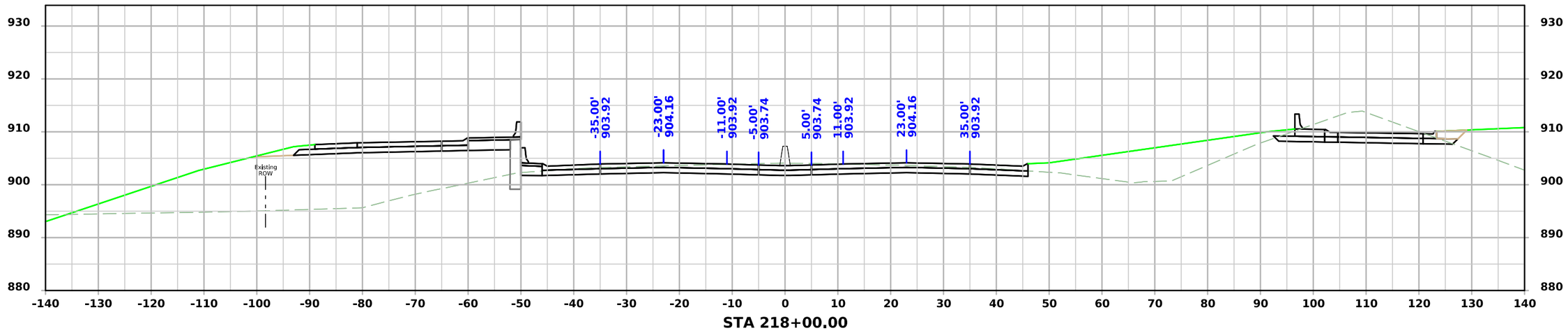
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.27

8:43:52 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



STA 218+50.00

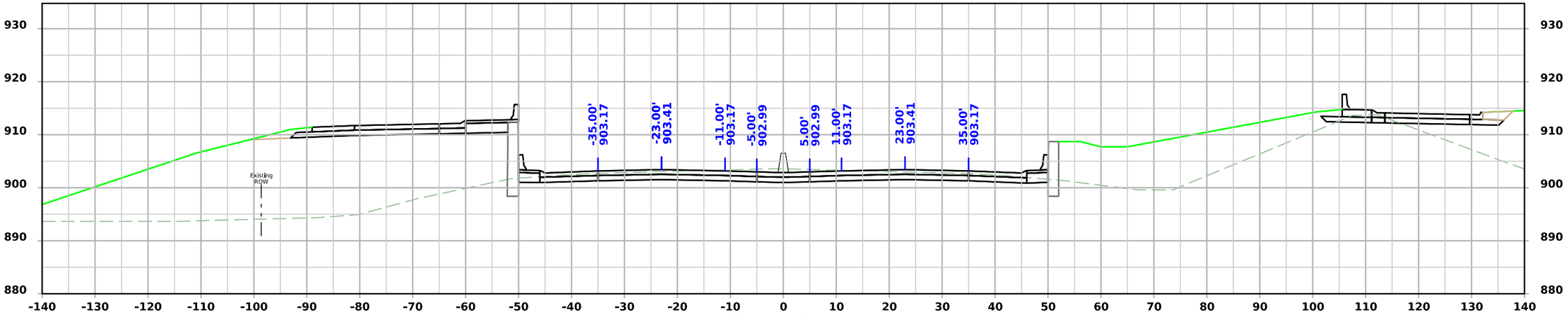


STA 218+00.00

FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.28

8:43:53 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



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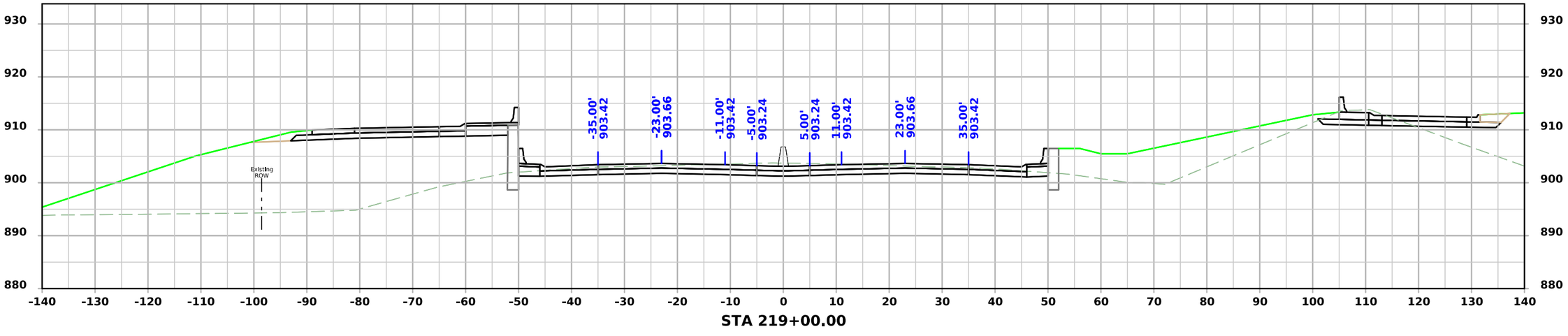
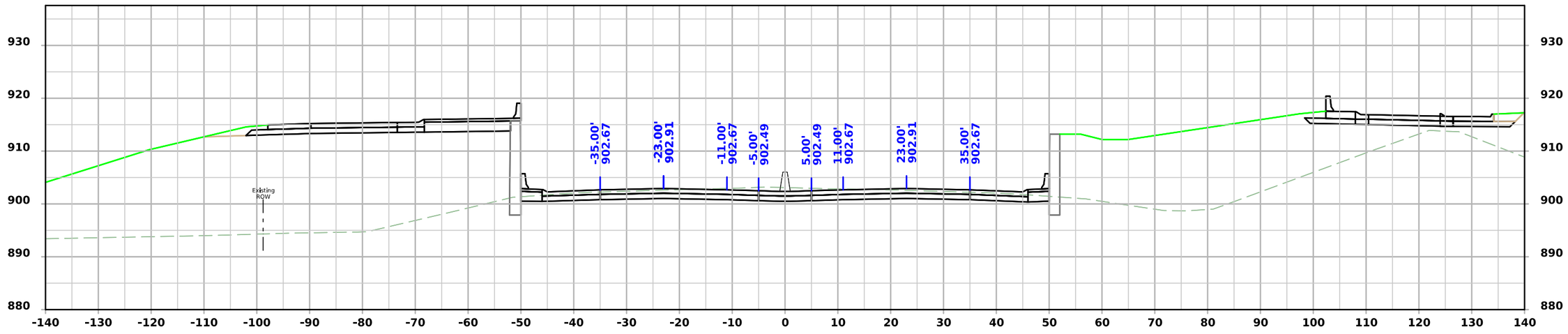


STA 219+00.00

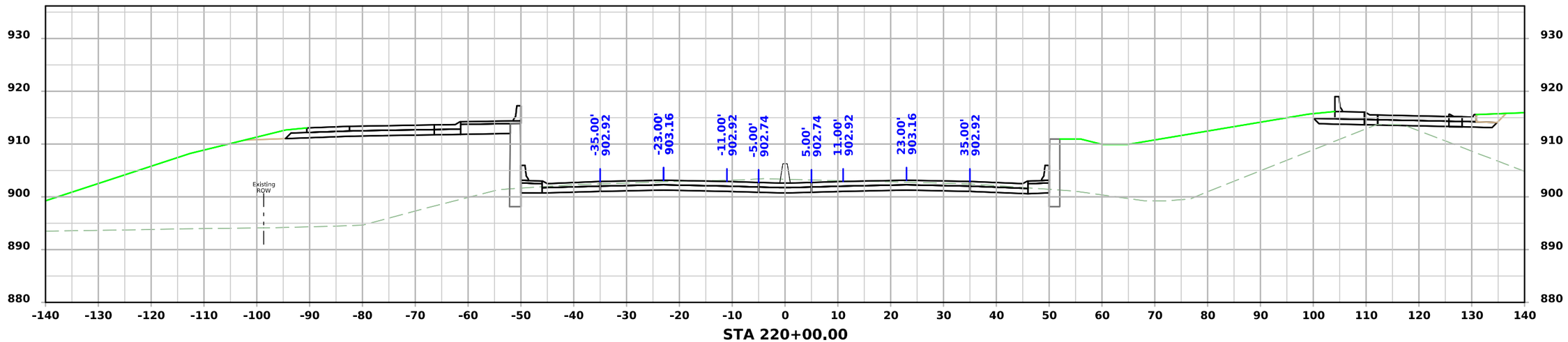
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.29	

8:43:54 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



STA 220+50.00

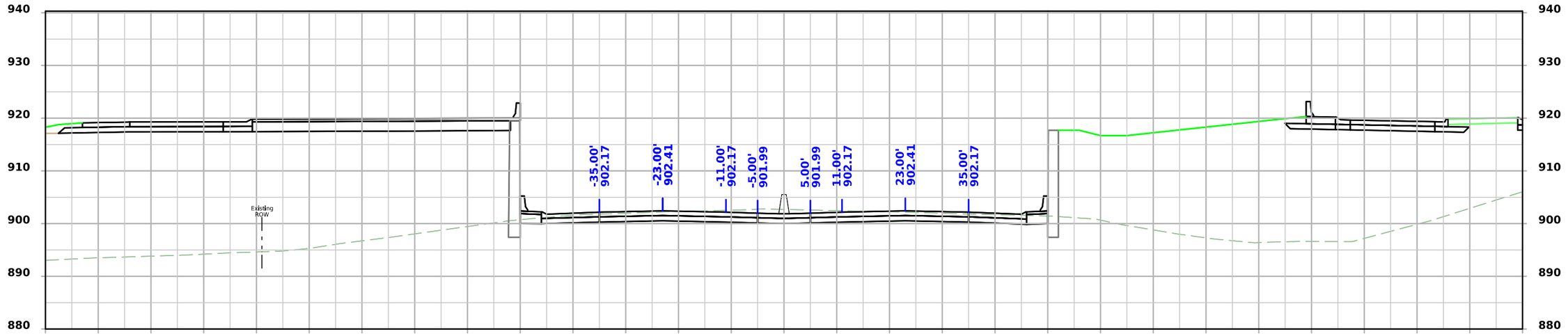


STA 220+00.00

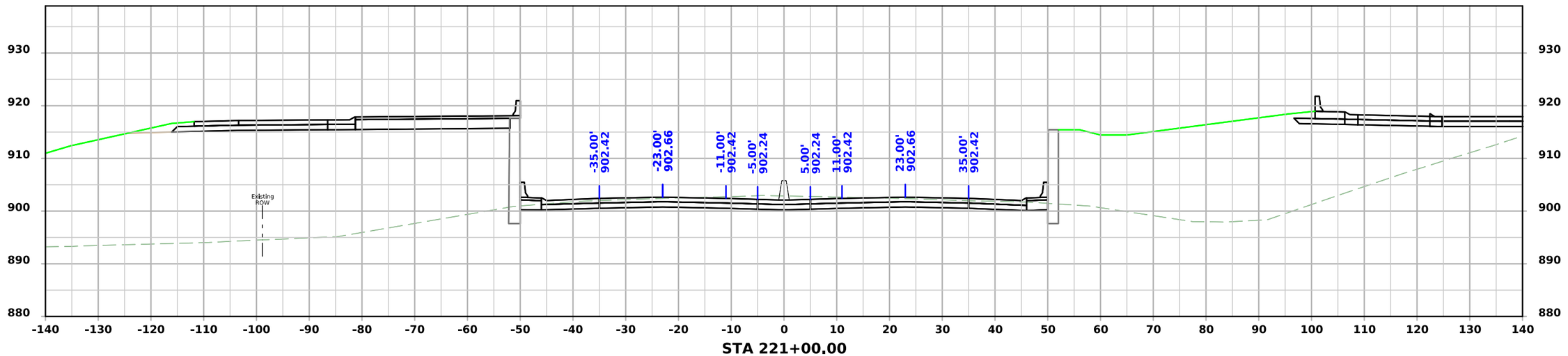
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.30

8:43:56 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



STA 221+50.00

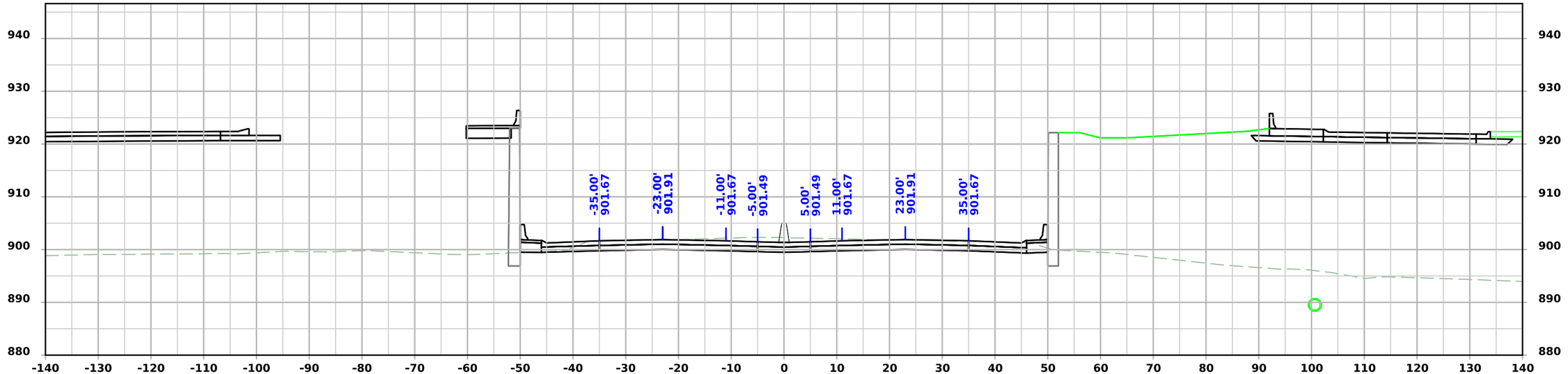


STA 221+00.00

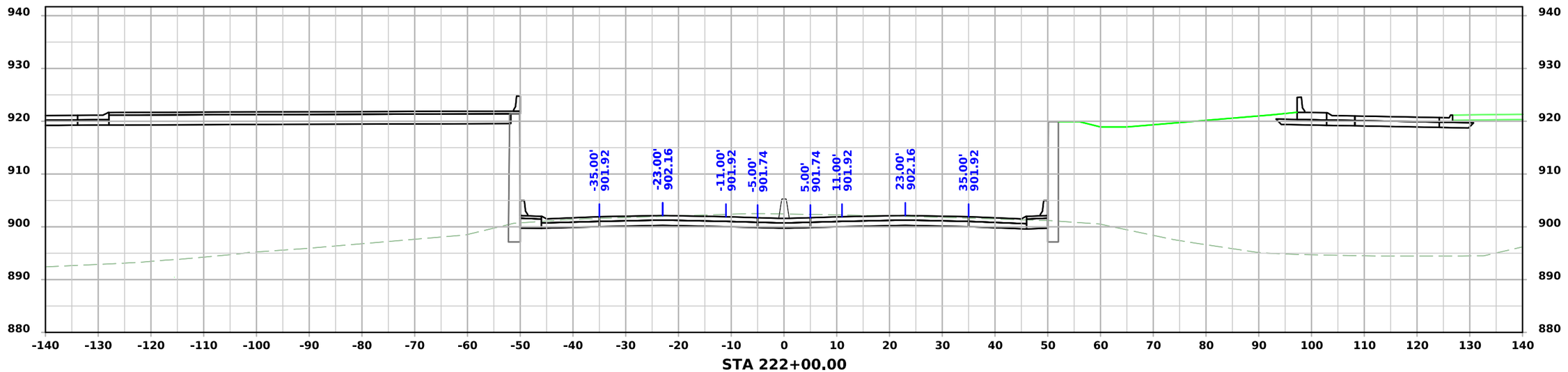
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.31

8:43:57 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



STA 222+50.00

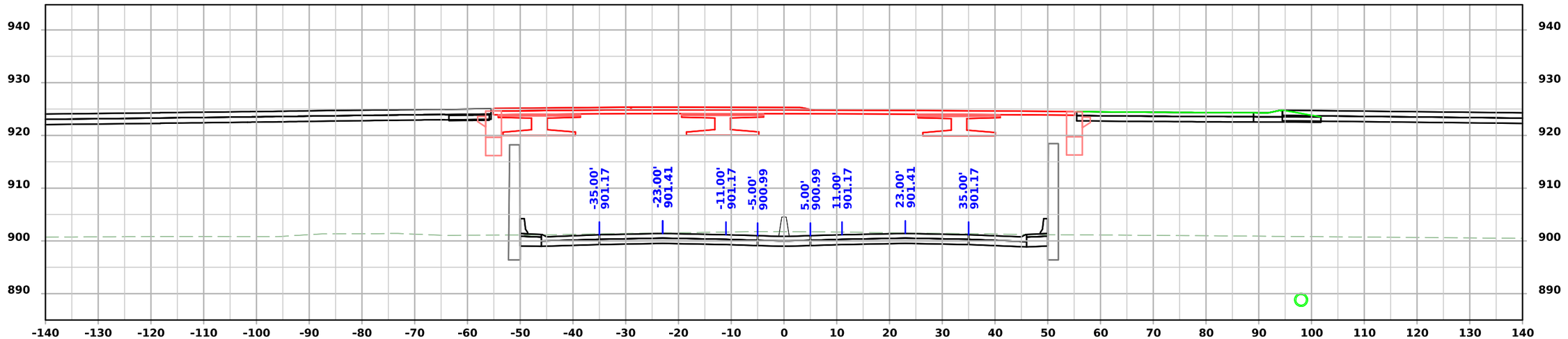


STA 222+00.00

FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.32	

8:43:58 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



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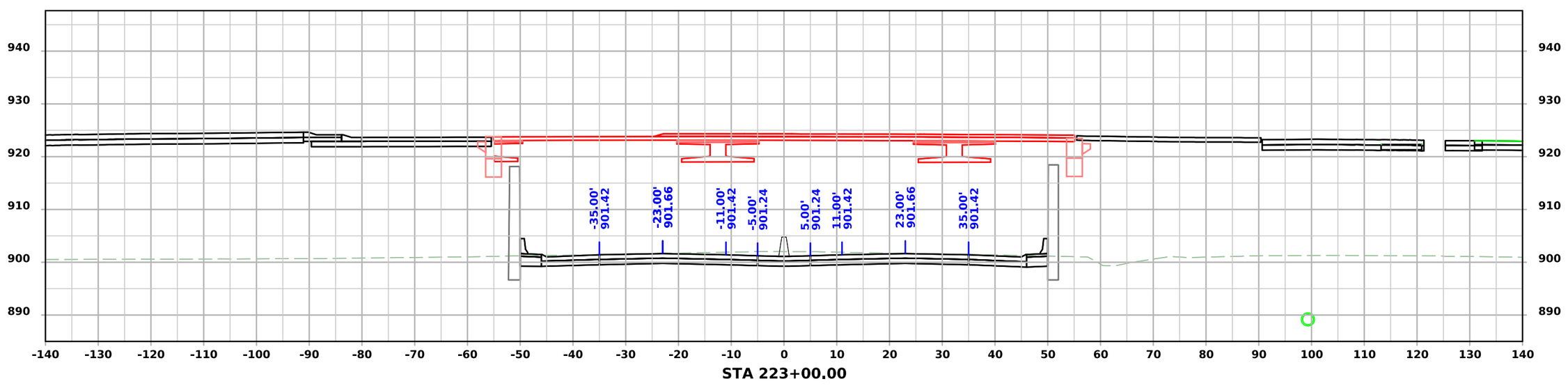
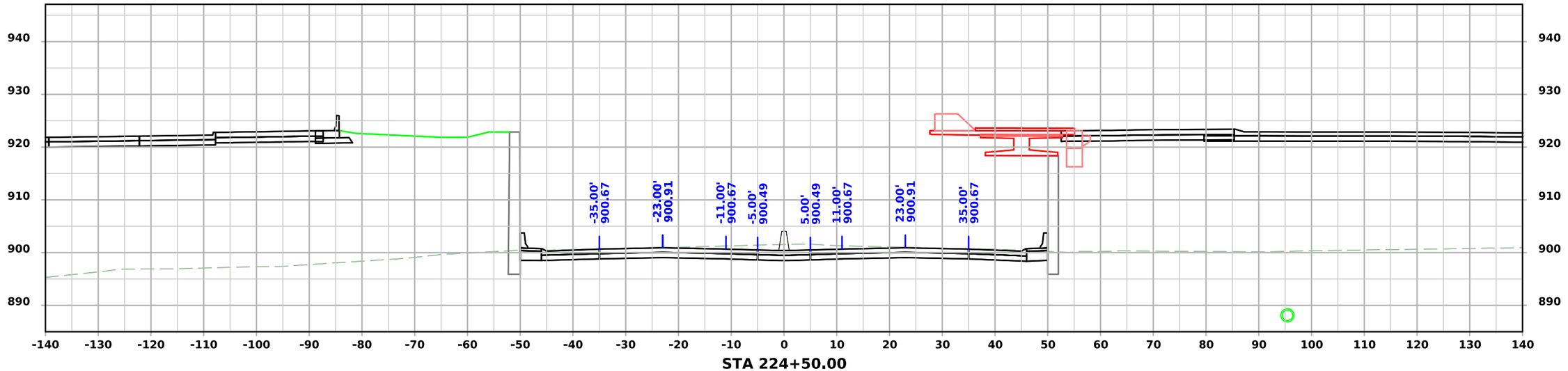


STA 223+00.00

FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.33

8:44:00 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



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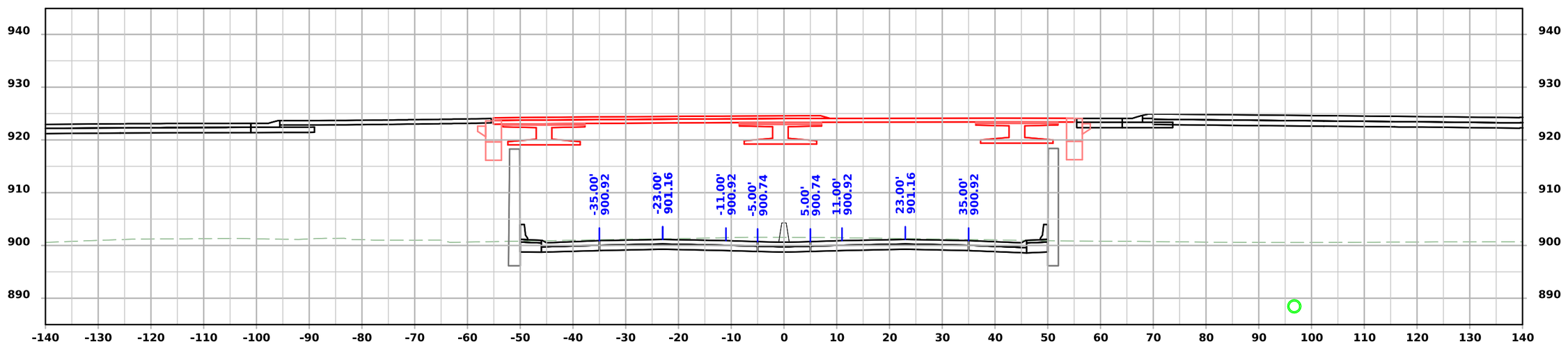
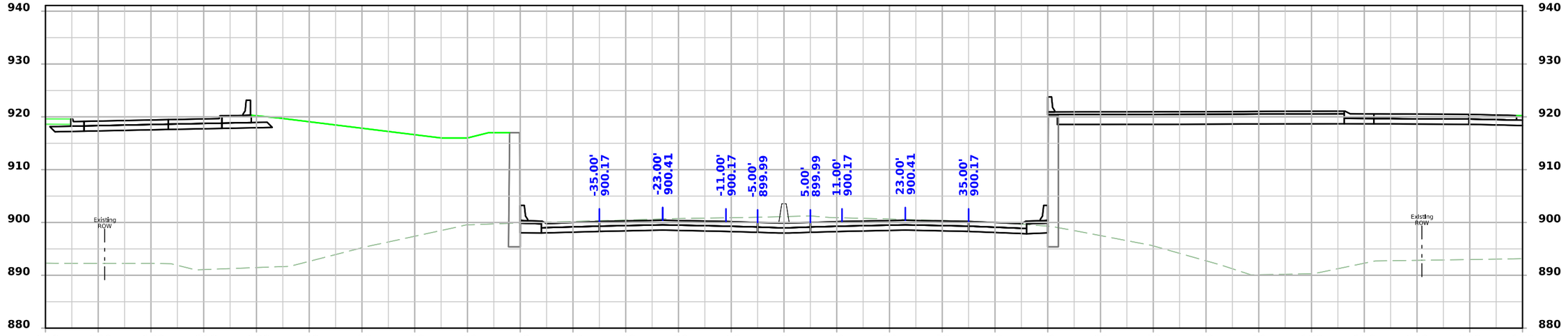


STA 224+00.00

FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.34

8:44:02 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



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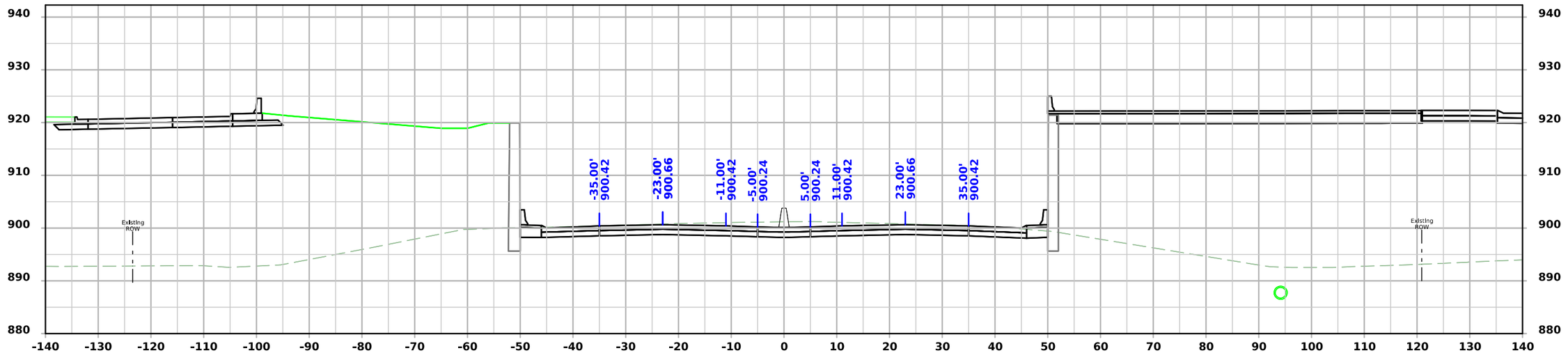
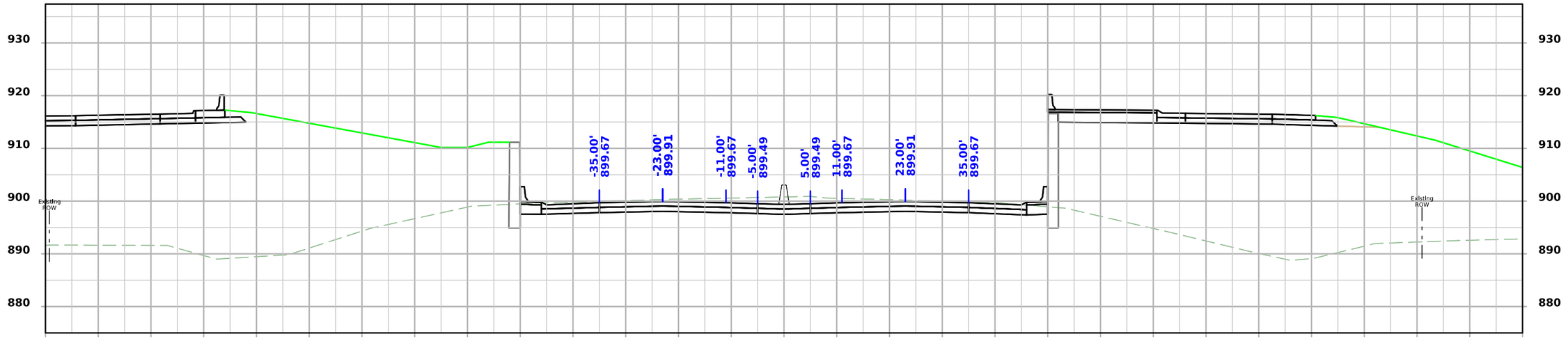


STA 225+00.00

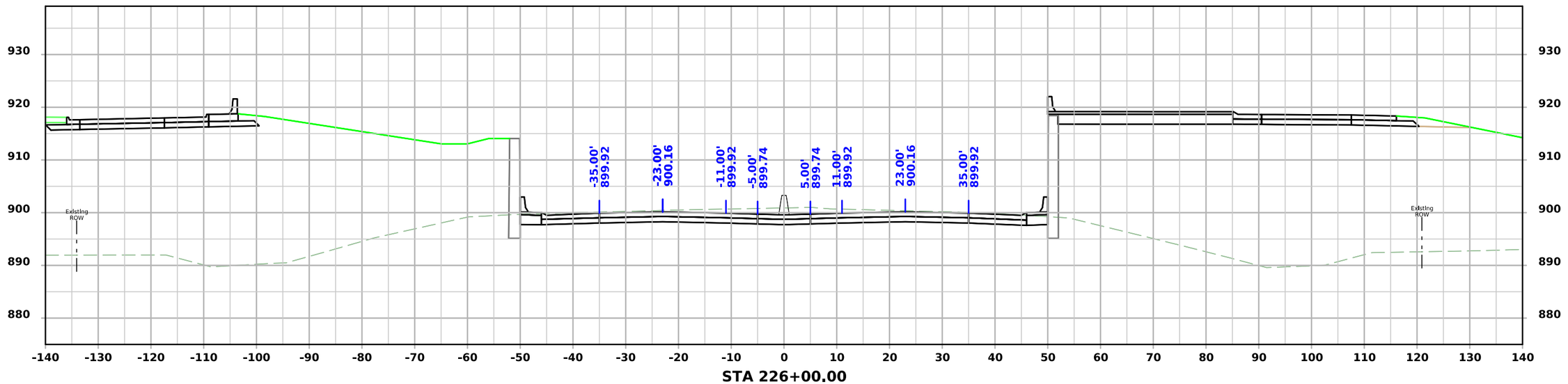
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.35

8:44:03 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



STA 226+50.00

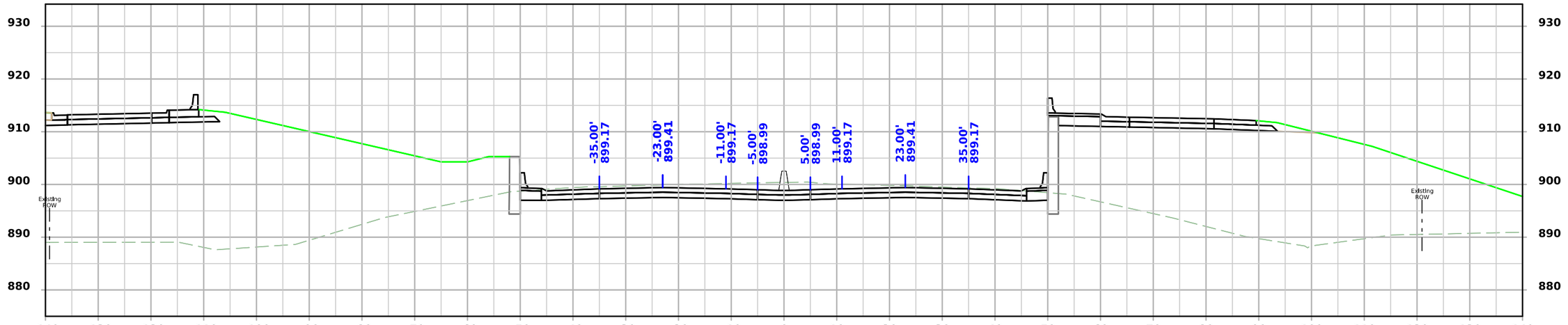


STA 226+00.00

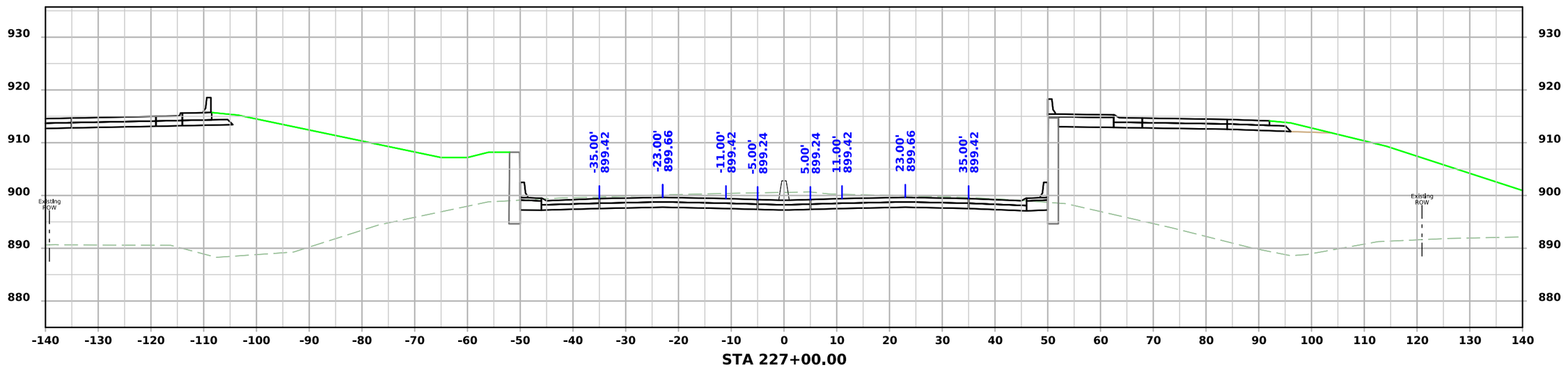
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.36

8:44:04 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



STA 227+50.00

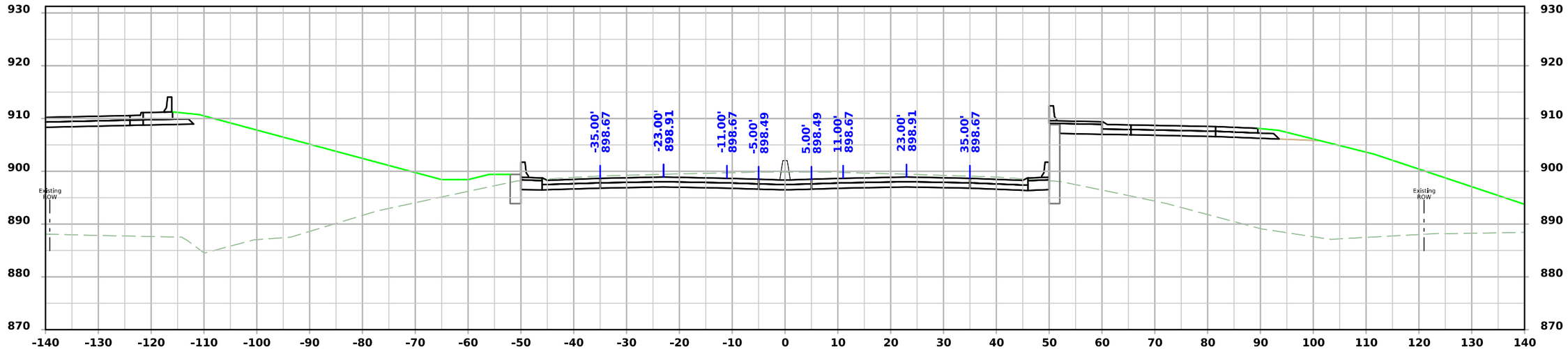


STA 227+00.00

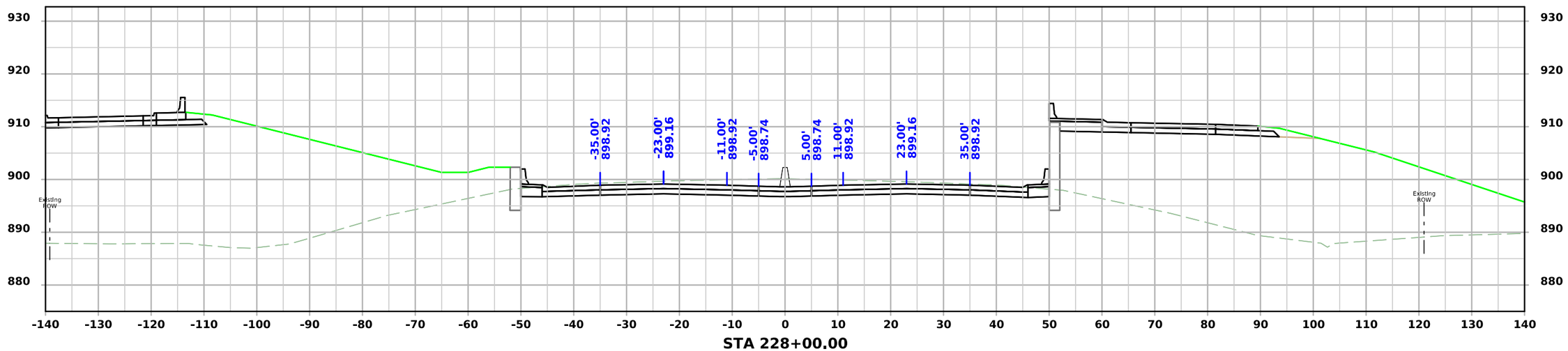
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.37

8:44:06 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



STA 228+50.00

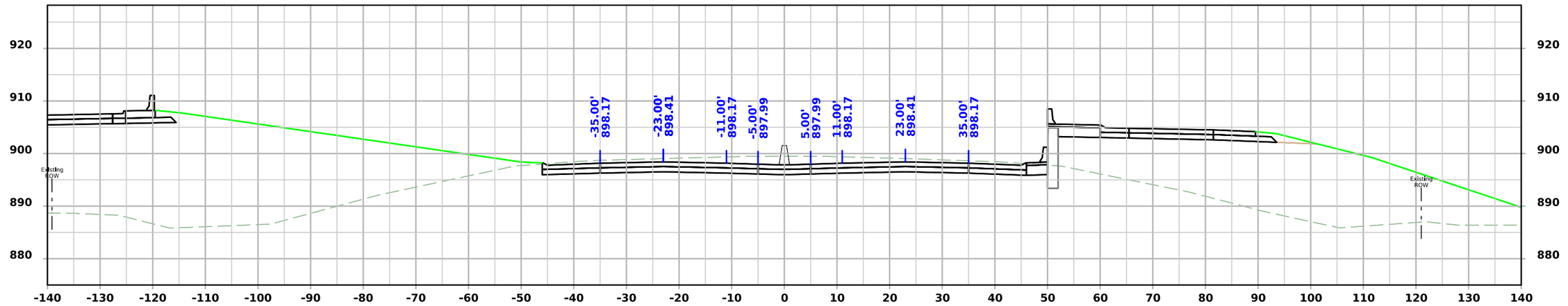


STA 228+00.00

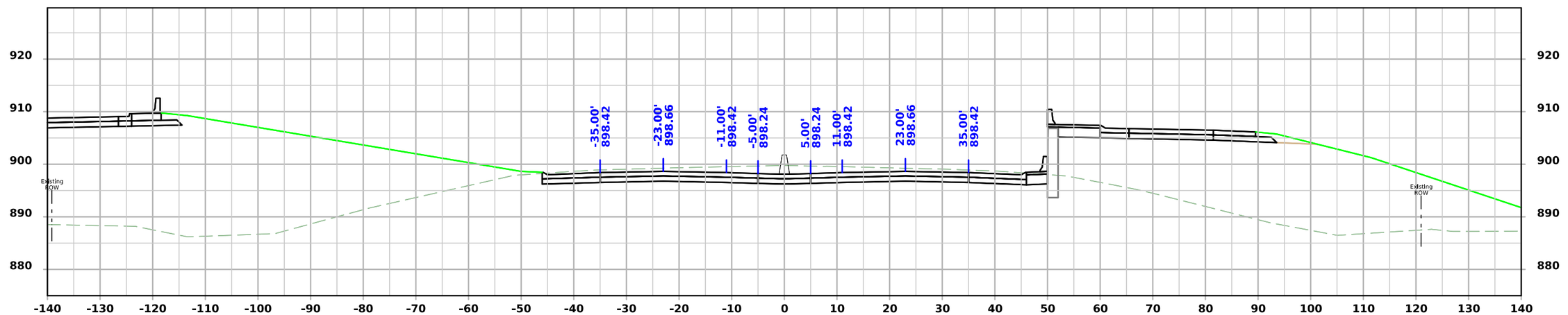
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.38

8:44:07 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



STA 229+50.00

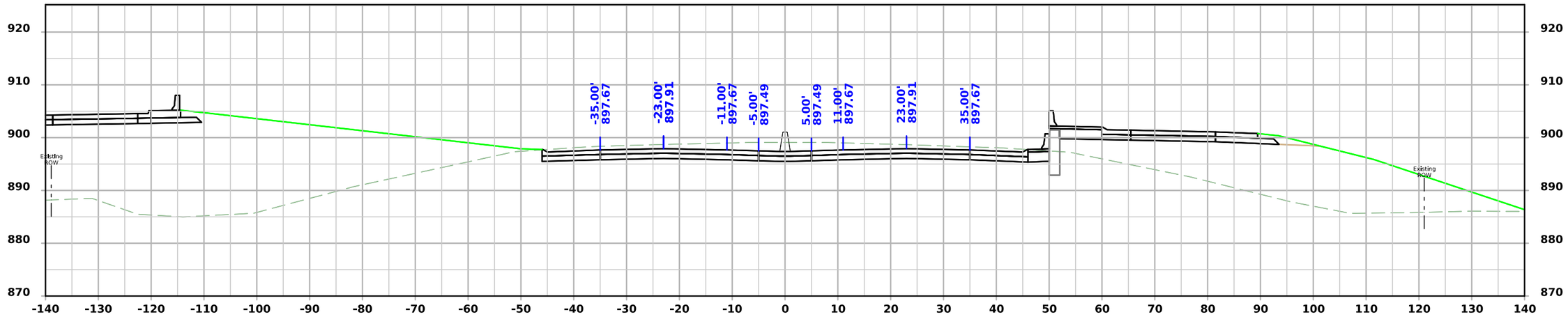


STA 229+00.00

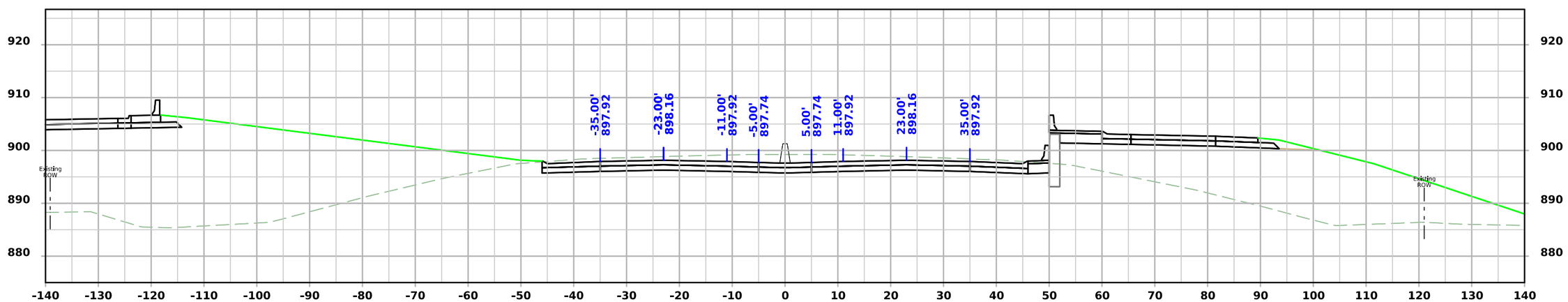
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.39

8:44:08 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



STA 230+50.00

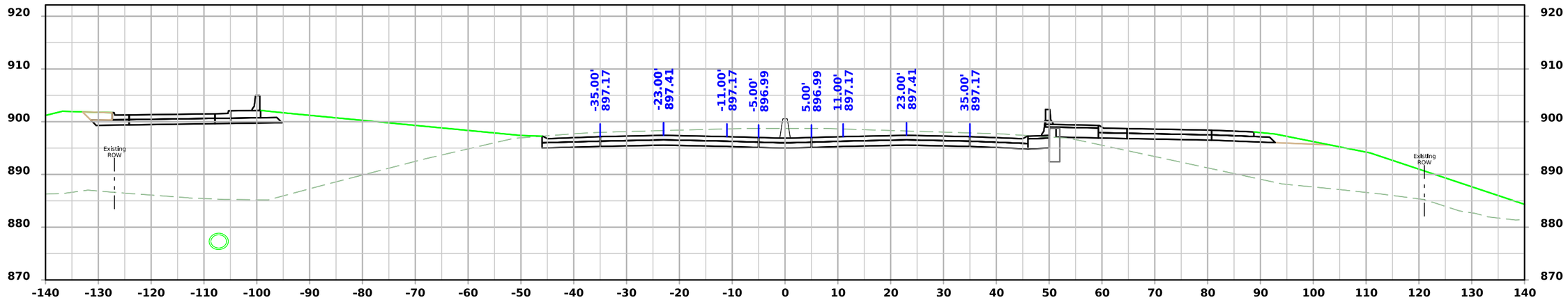


STA 230+00.00

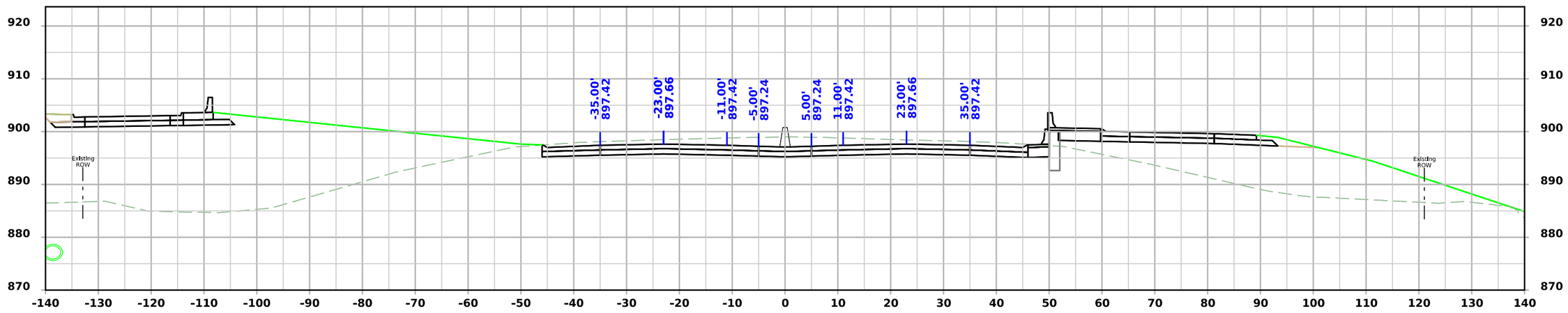
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.40

8:44:09 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



STA 231+50.00

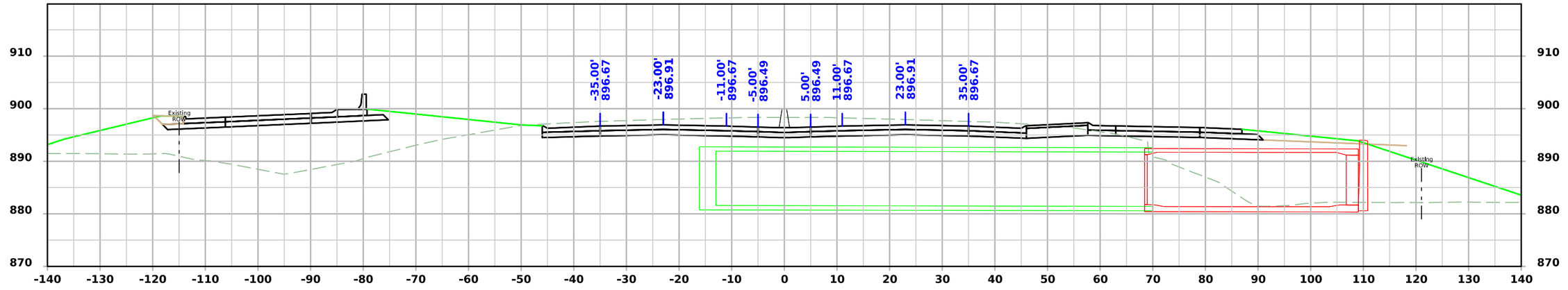


STA 231+00.00

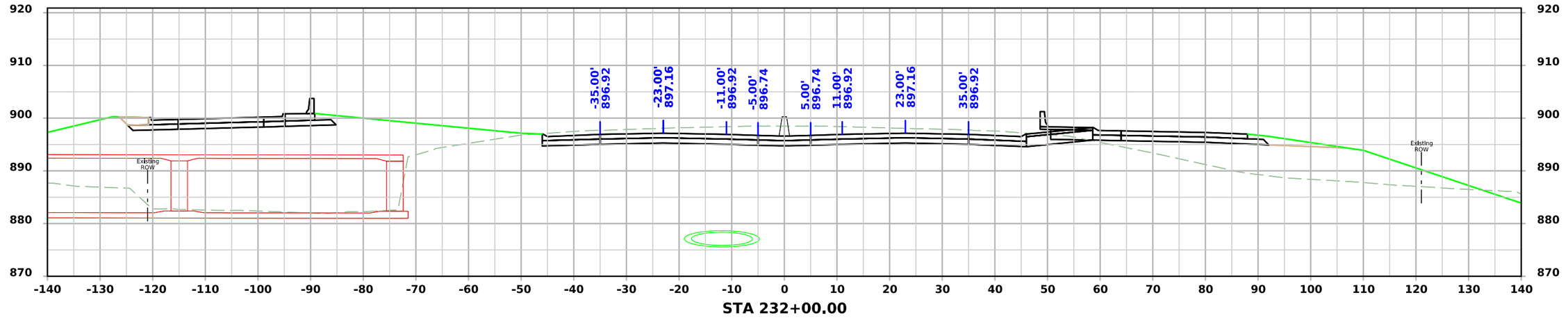
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.41

8:44:10 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



STA 232+50.00

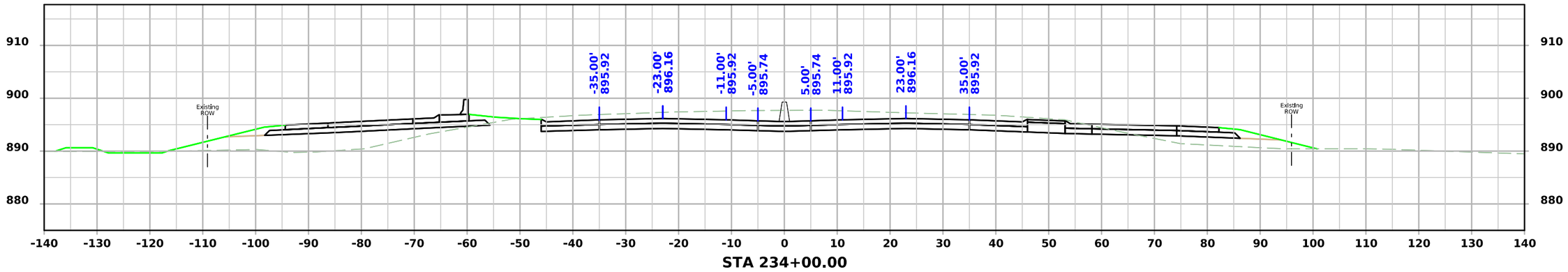


STA 232+00.00

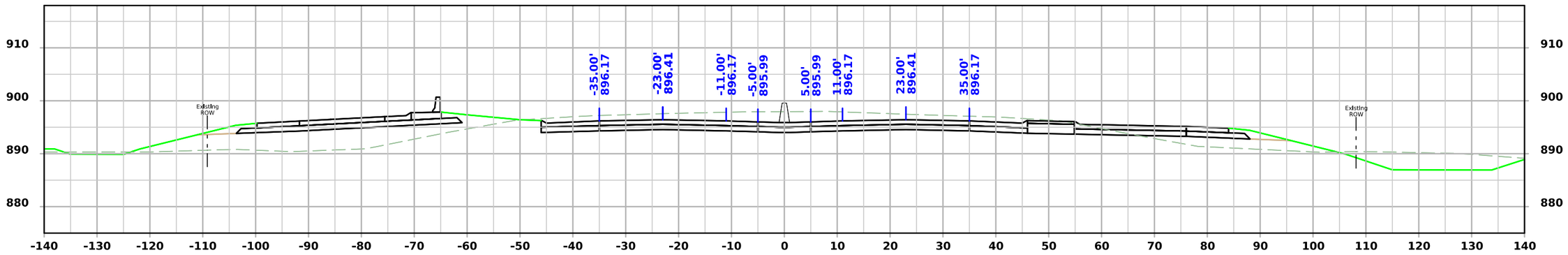
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.42

8:44:11 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

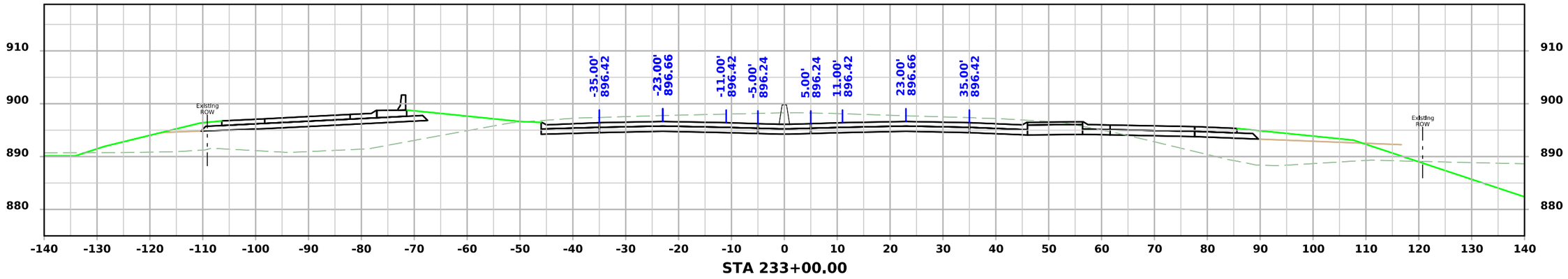
ML - IA58



STA 234+00.00



STA 233+50.00

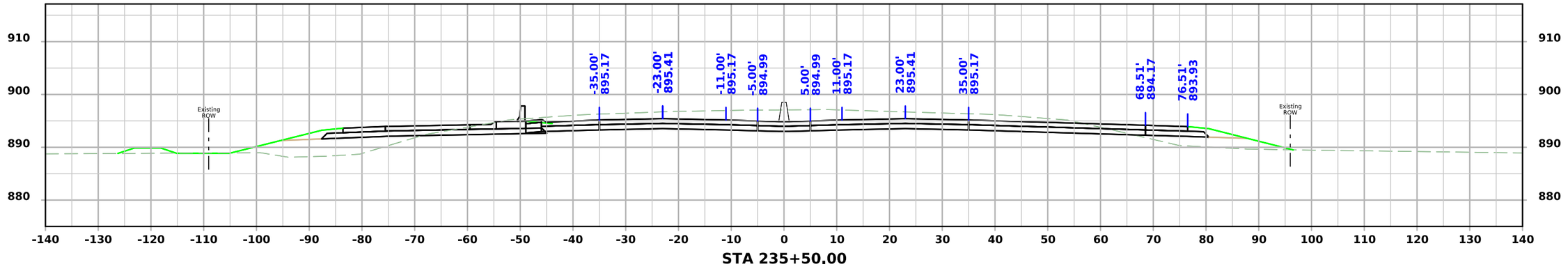


STA 233+00.00

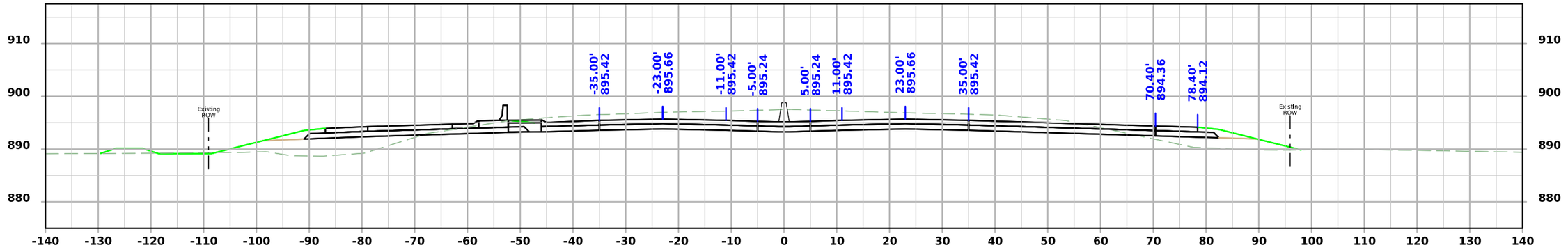
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.43

8:44:12 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

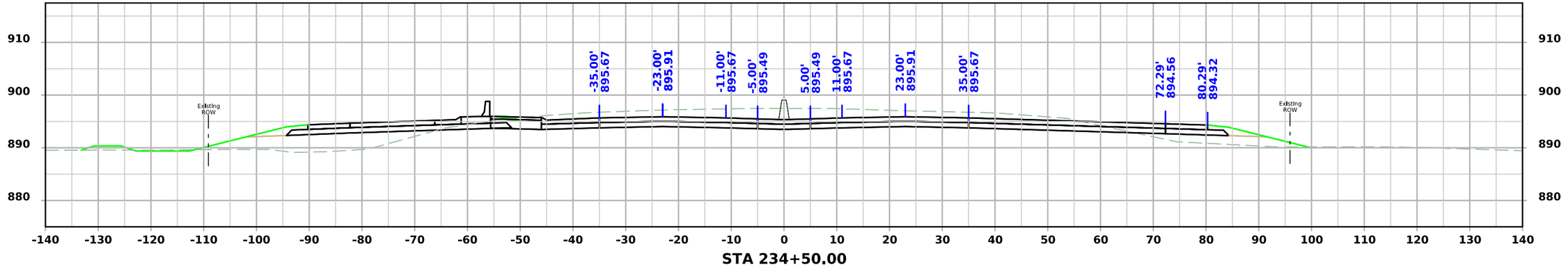
ML - IA58



STA 235+50.00



STA 235+00.00

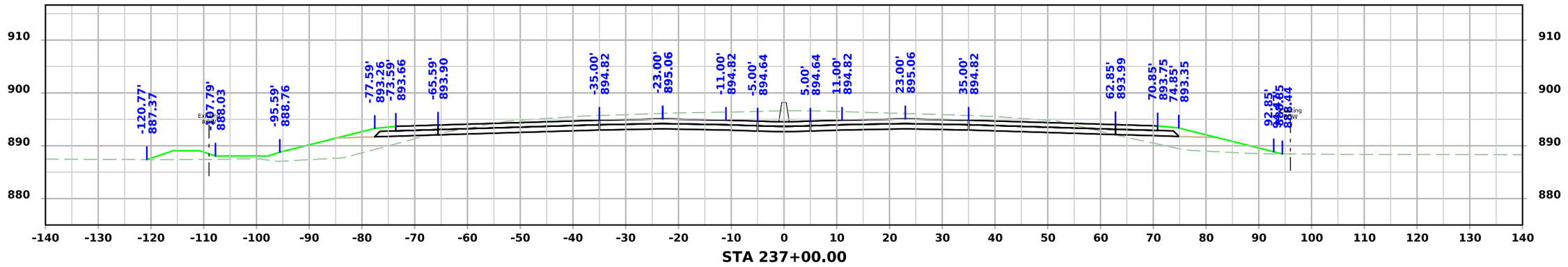


STA 234+50.00

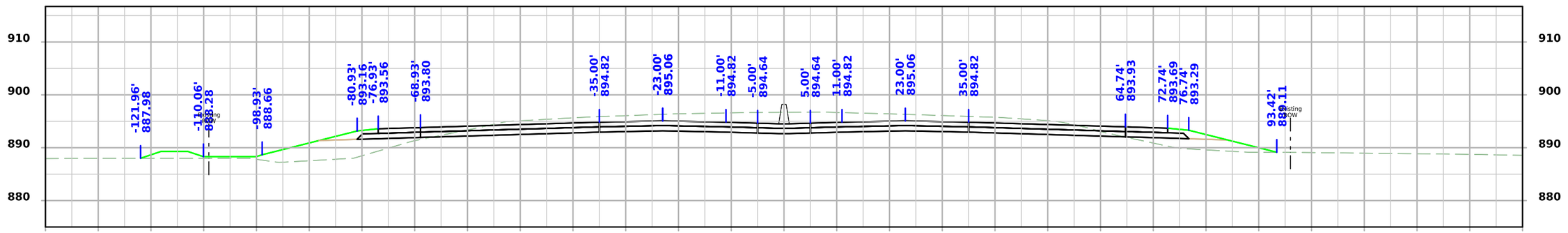
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.44

8:44:14 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\GreenhiII_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



STA 237+00.00



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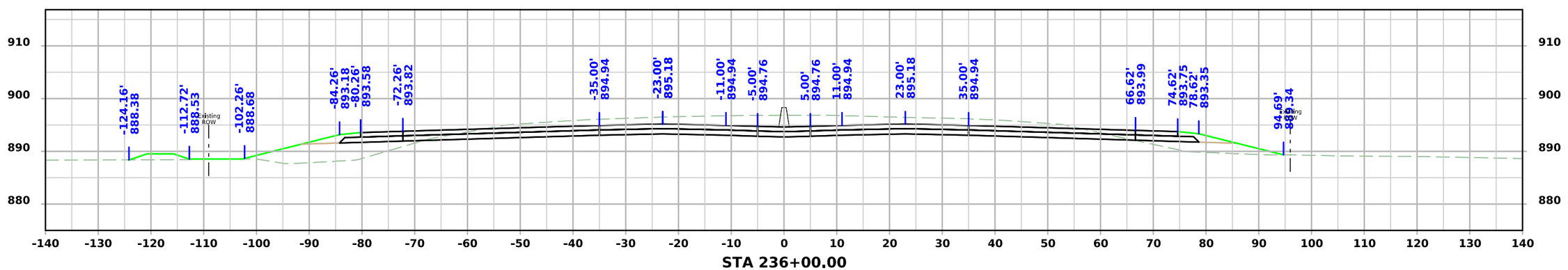
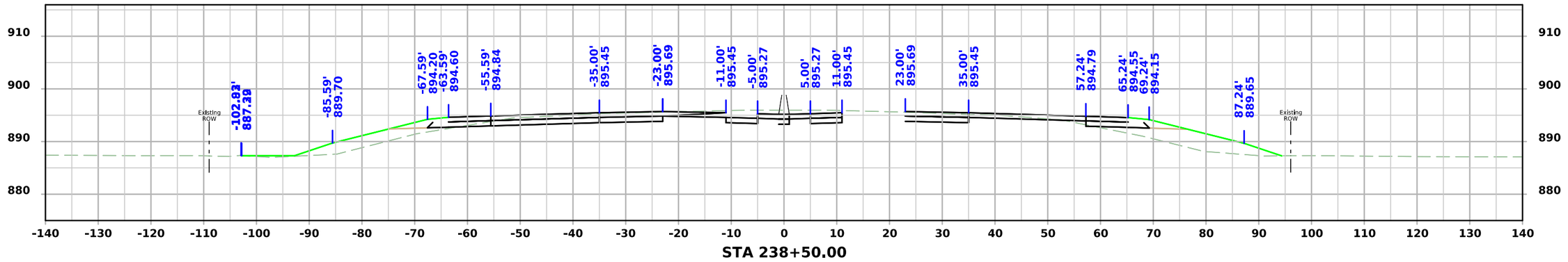


STA 236+00.00

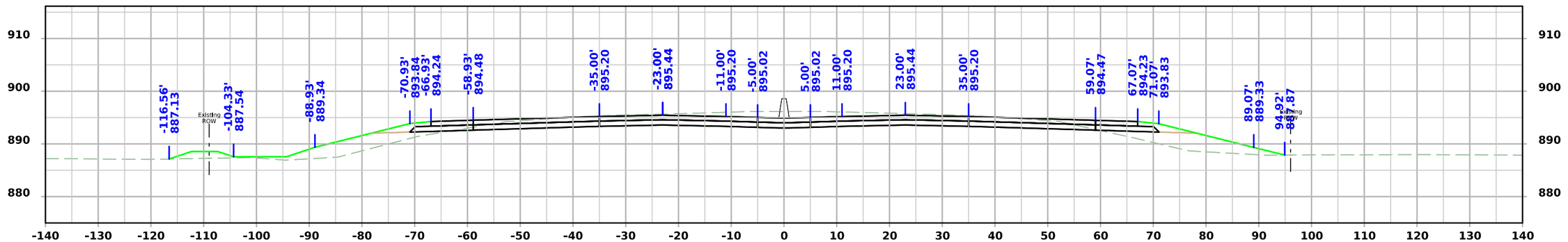
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.45

8:44:15 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

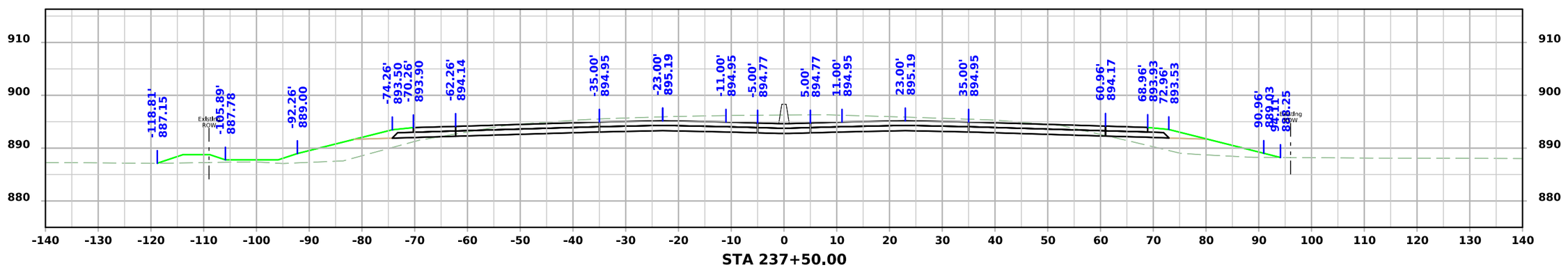
ML - IA58



STA 238+50.00



STA 238+00.00

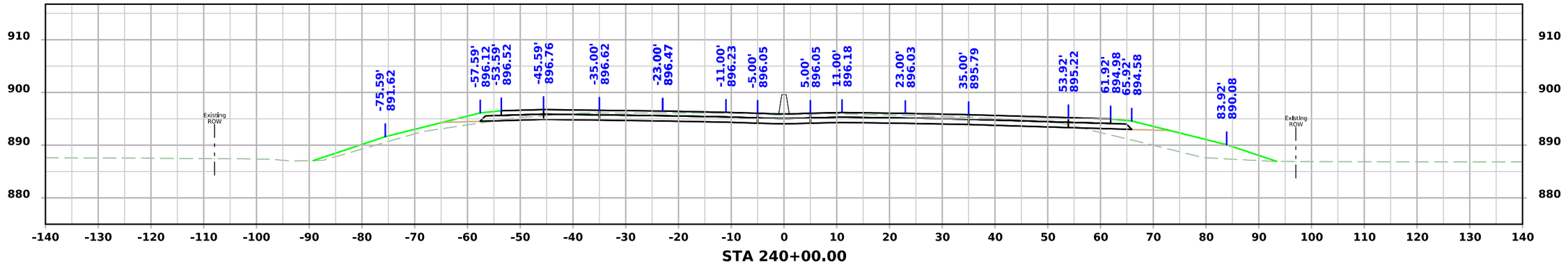


STA 237+50.00

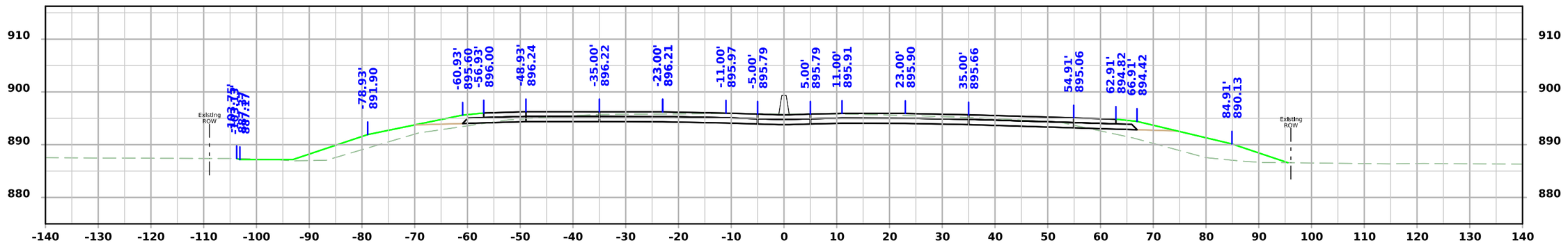
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.46

8:44:16 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

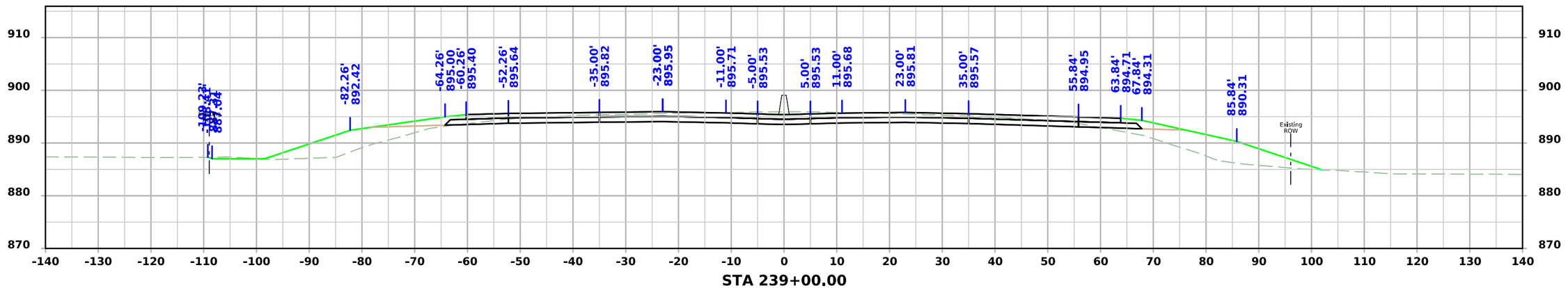
ML - IA58



STA 240+00.00



STA 239+50.00

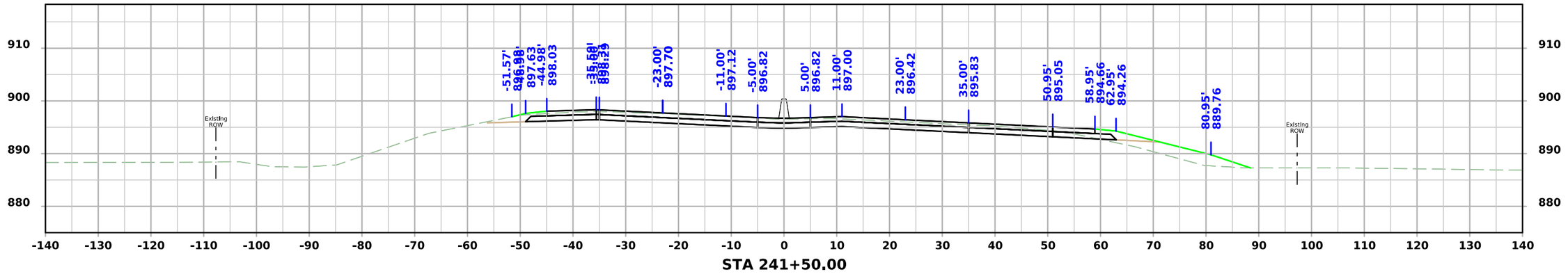


STA 239+00.00

FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.47	

8:44:17 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



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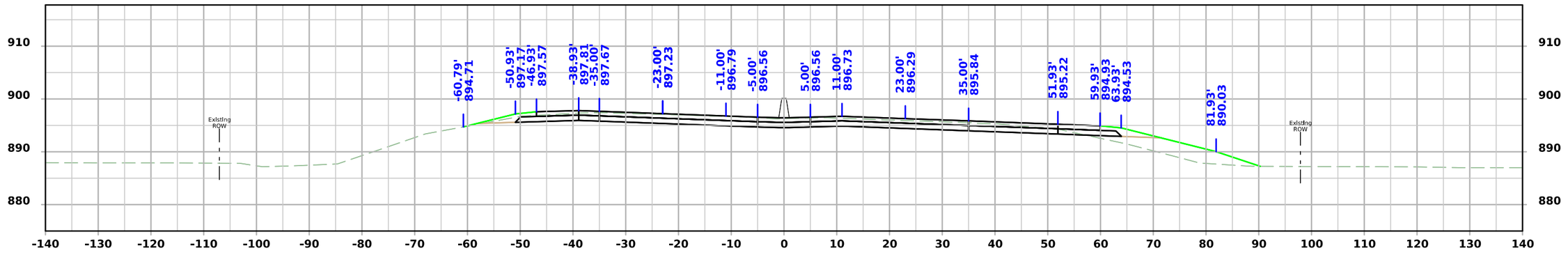

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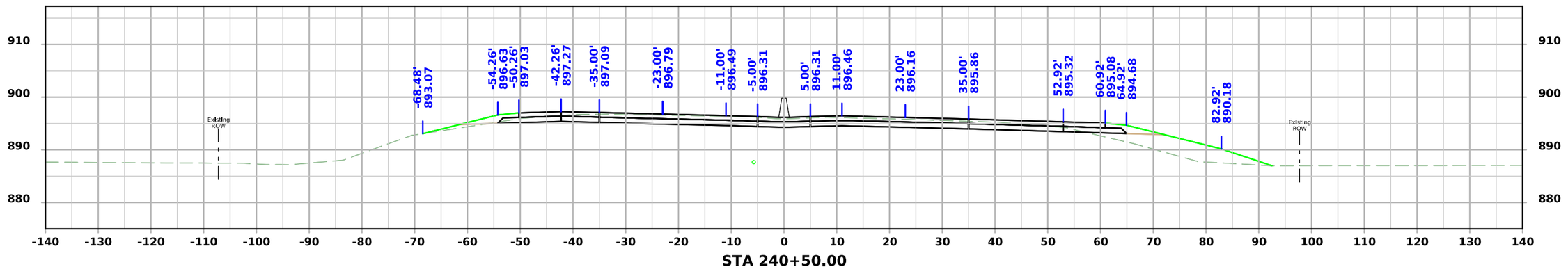
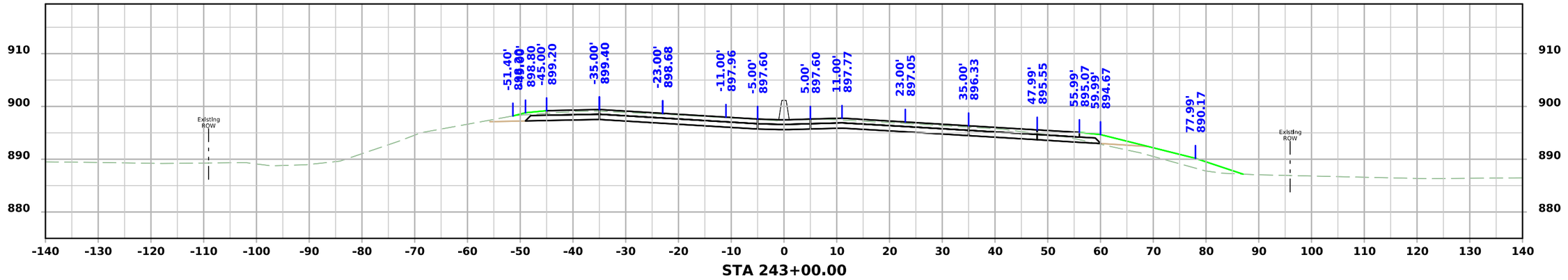


STA 240+50.00

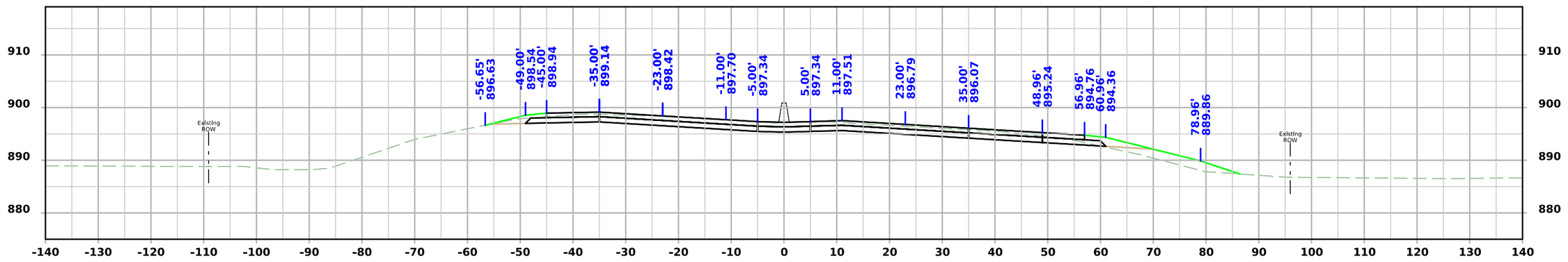
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.48	

8:44:19 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

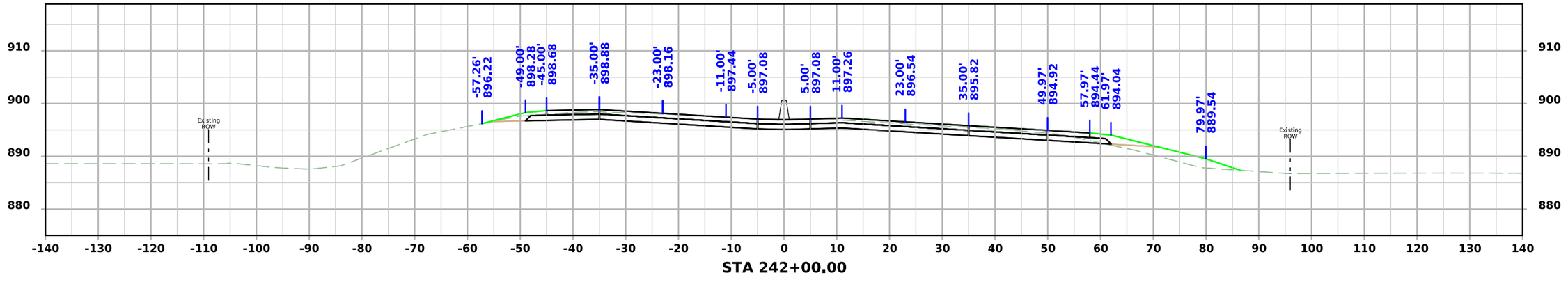
ML - IA58



STA 243+00.00



STA 242+50.00

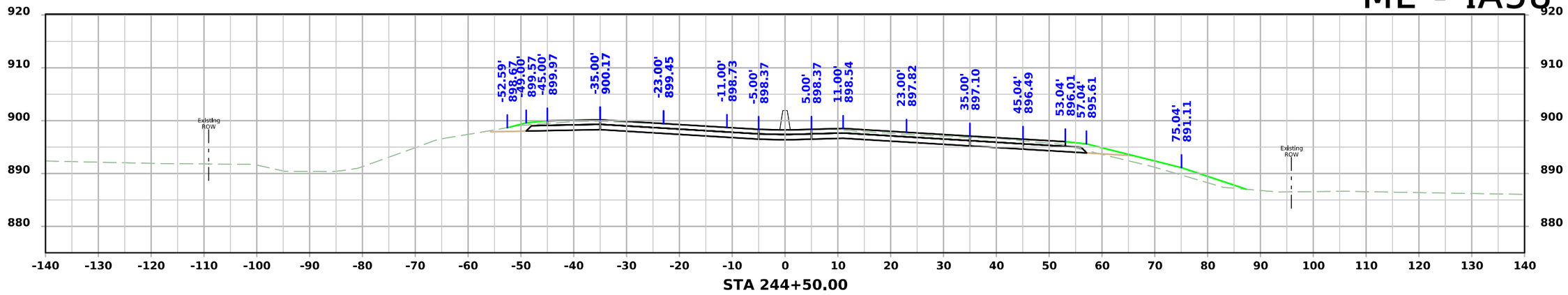


STA 242+00.00

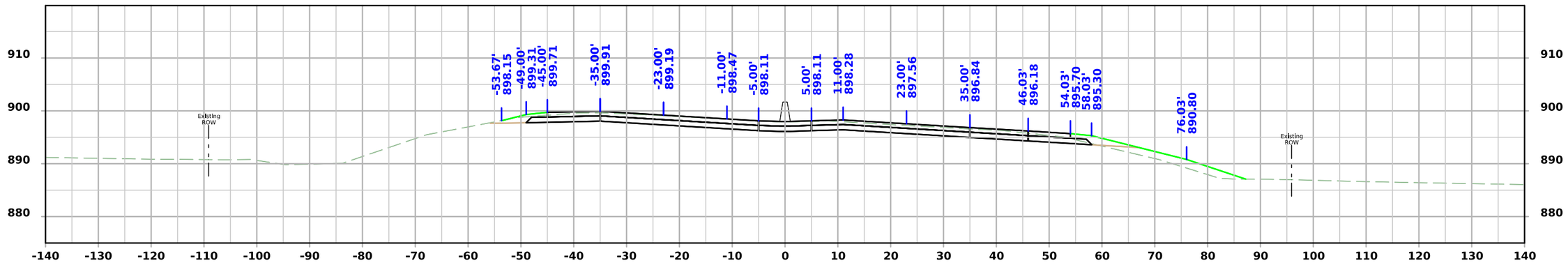
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.49

8:44:20 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\GreenhIll_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



STA 244+50.00



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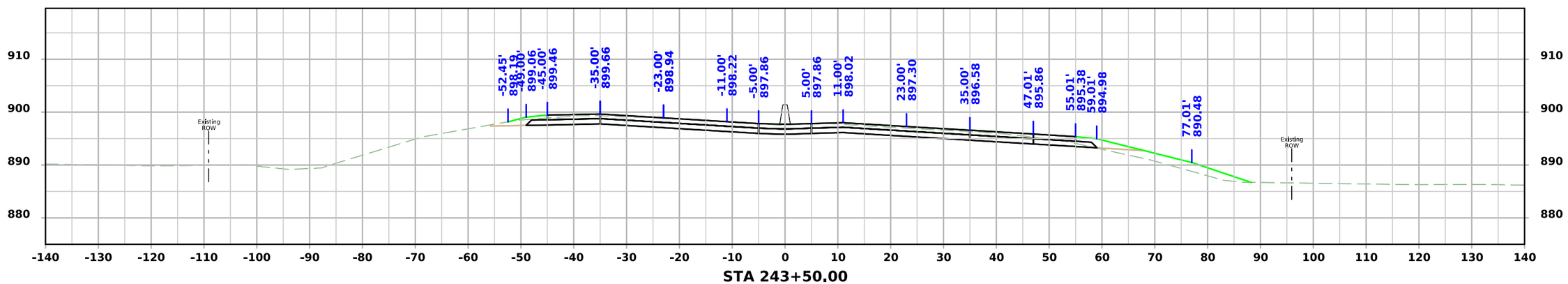
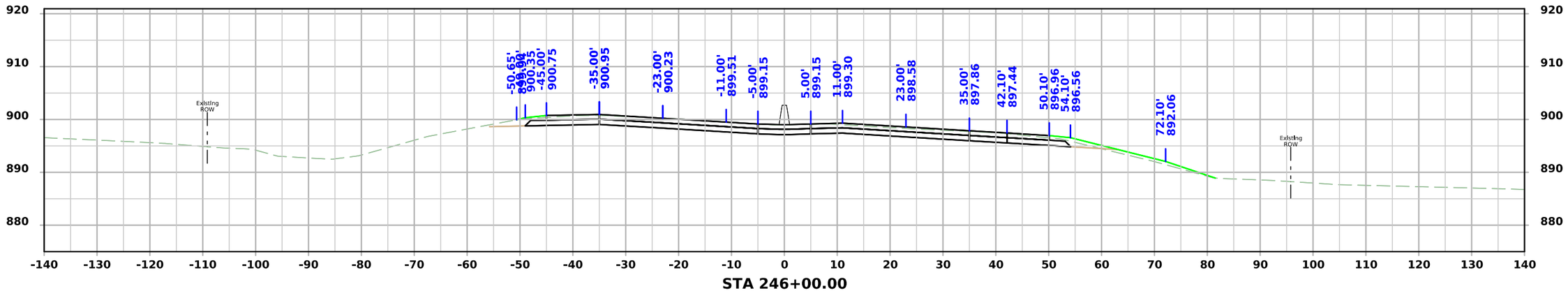


STA 243+50.00

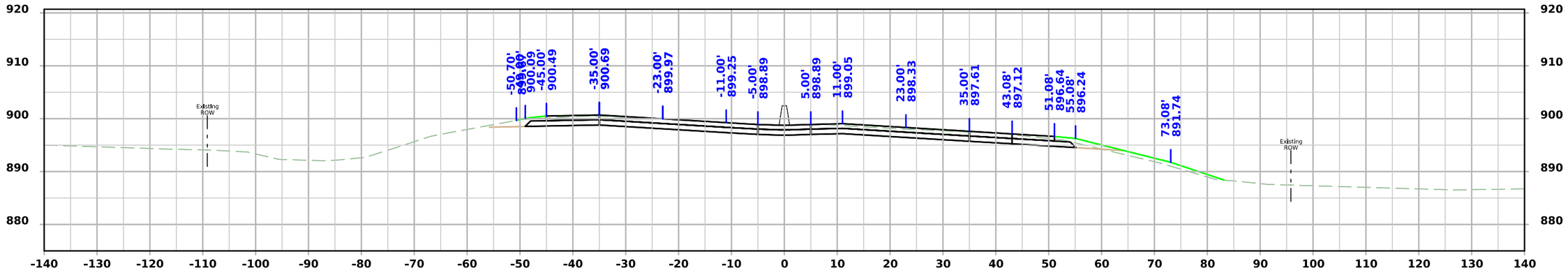
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.50

8:44:21 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



STA 246+00.00



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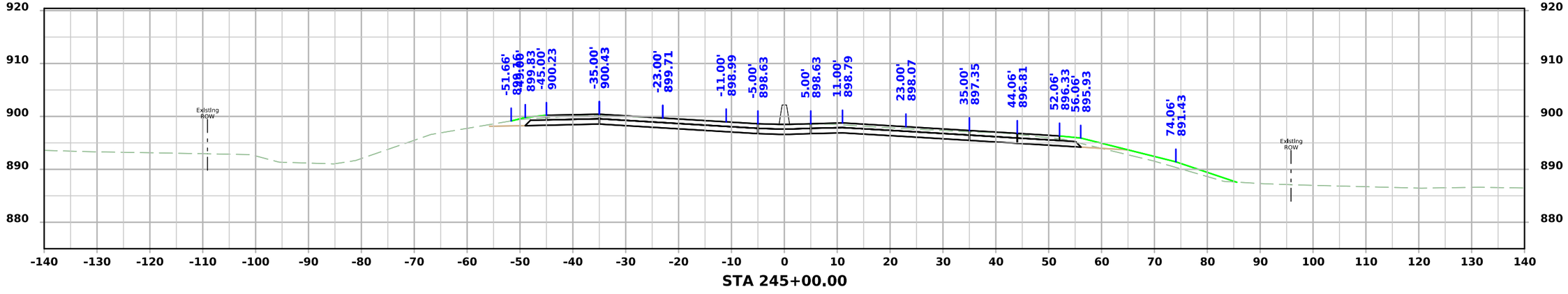
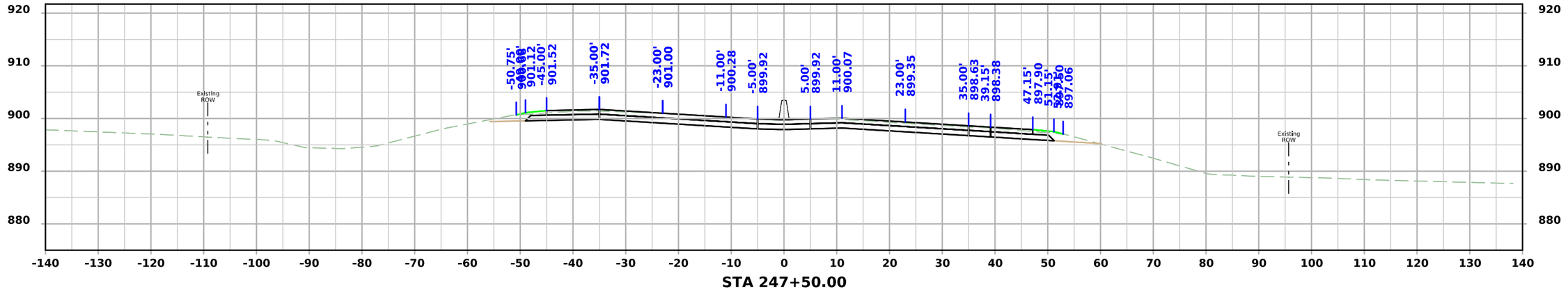


STA 245+00.00

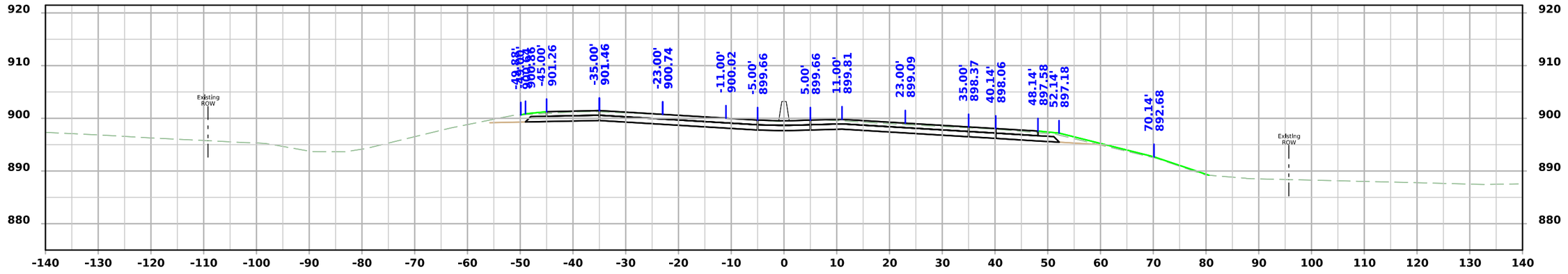
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.51

8:44:23 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

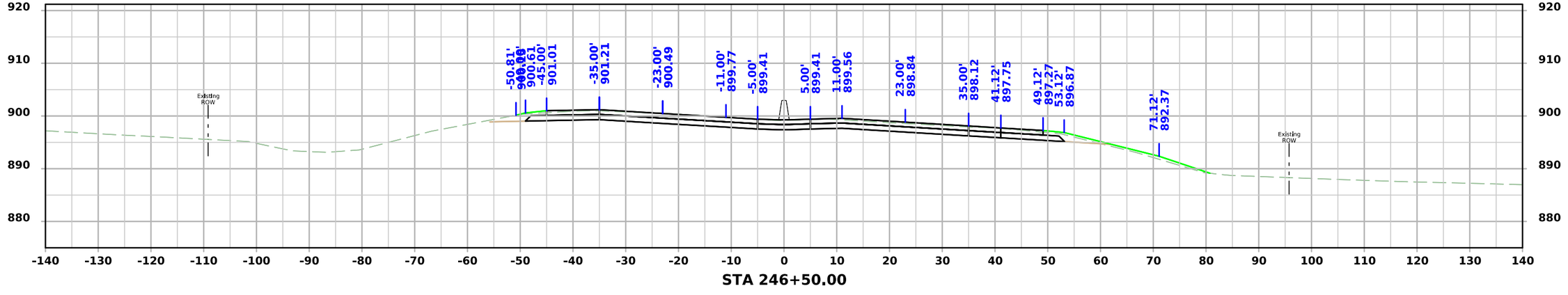
ML - IA58



STA 247+50.00



STA 247+00.00

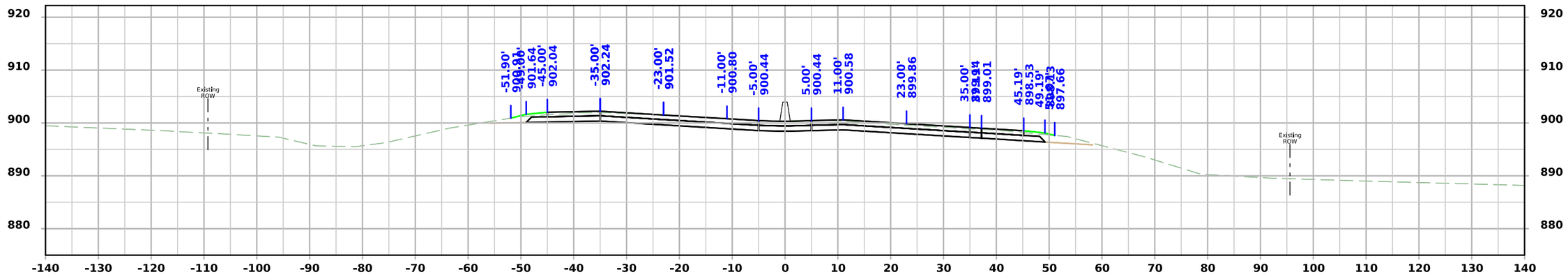


STA 246+50.00

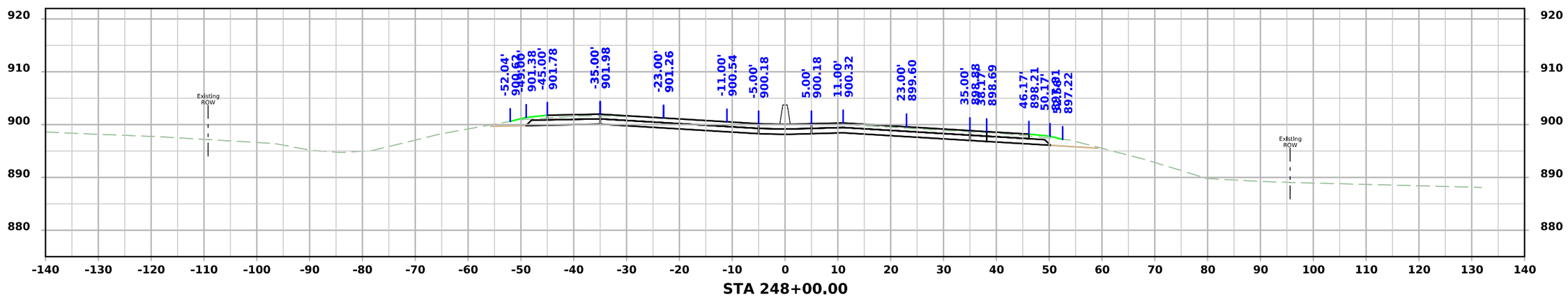
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.52

8:44:24 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



STA 248+50.00

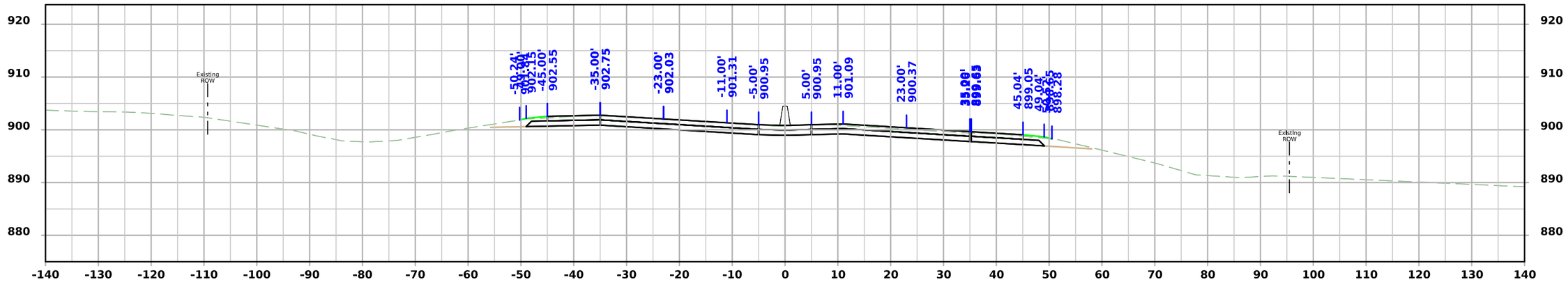


STA 248+00.00

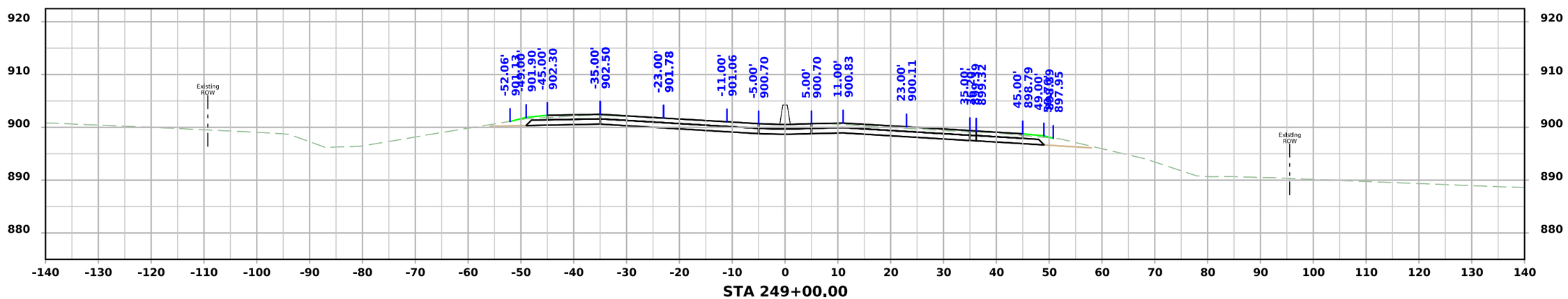
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.53	

8:44:25 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



STA 249+50.00

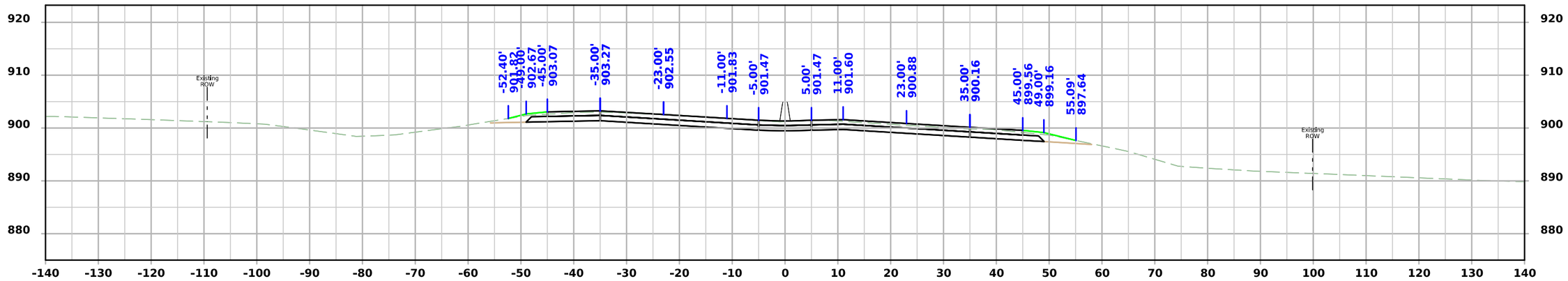


STA 249+00.00

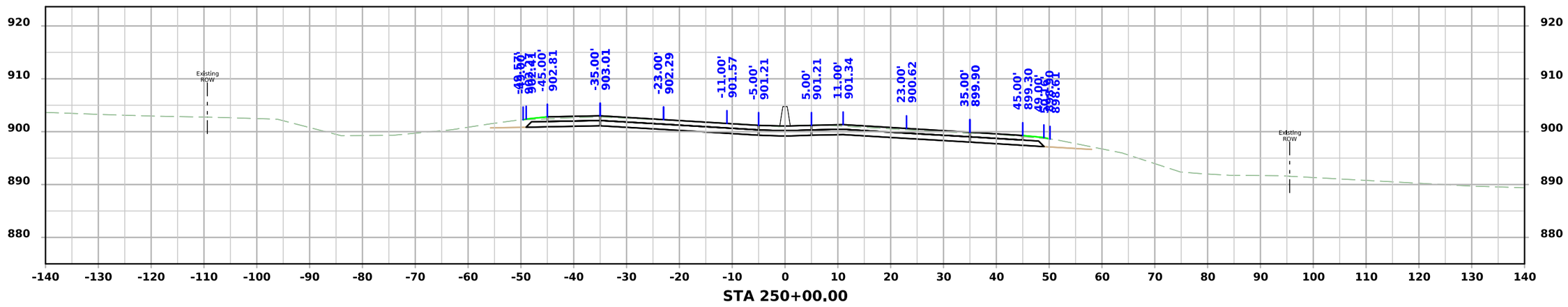
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.54

8:44:26 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



STA 250+50.00

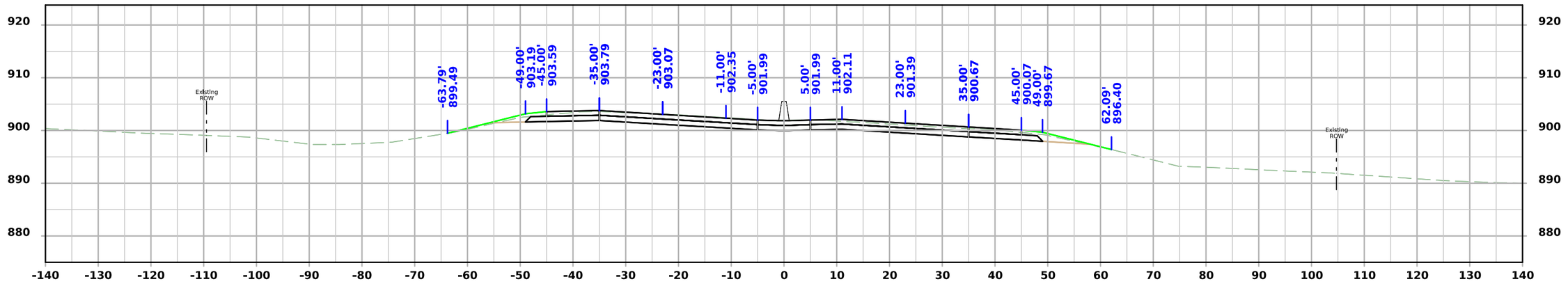


STA 250+00.00

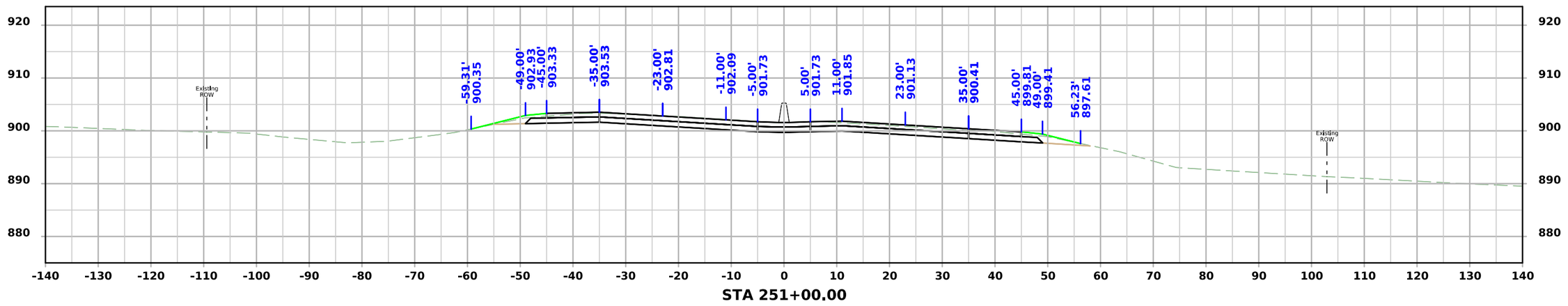
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.55

8:44:27 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



STA 251+50.00

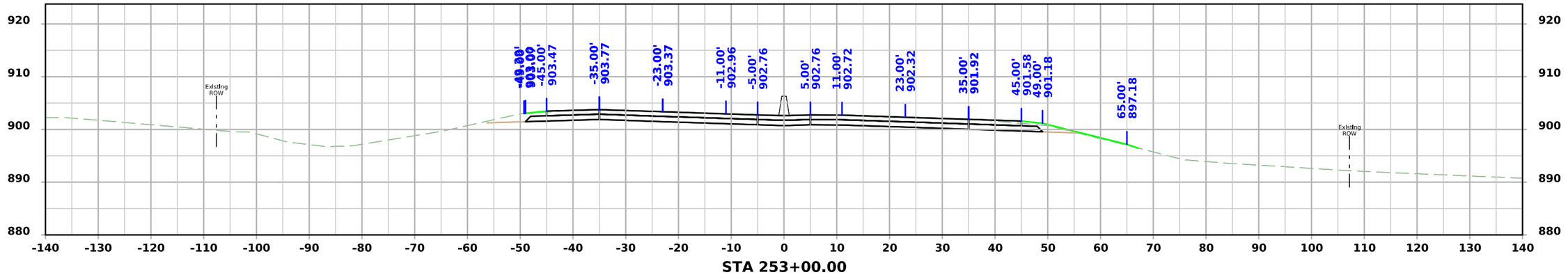


STA 251+00.00

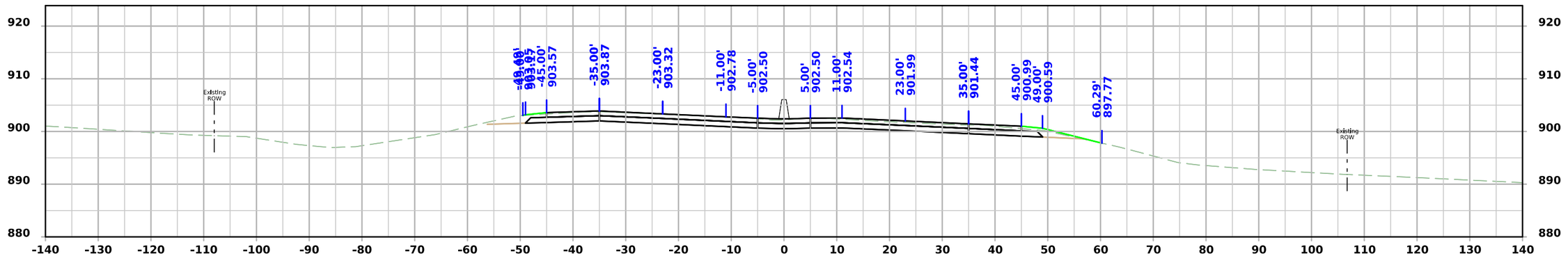
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.56

8:44:28 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

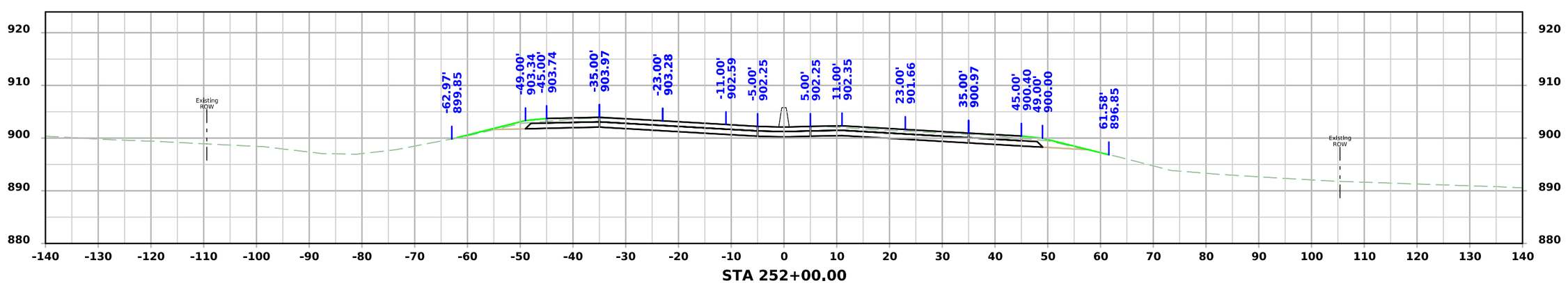
ML - IA58



STA 253+00.00



STA 252+50.00

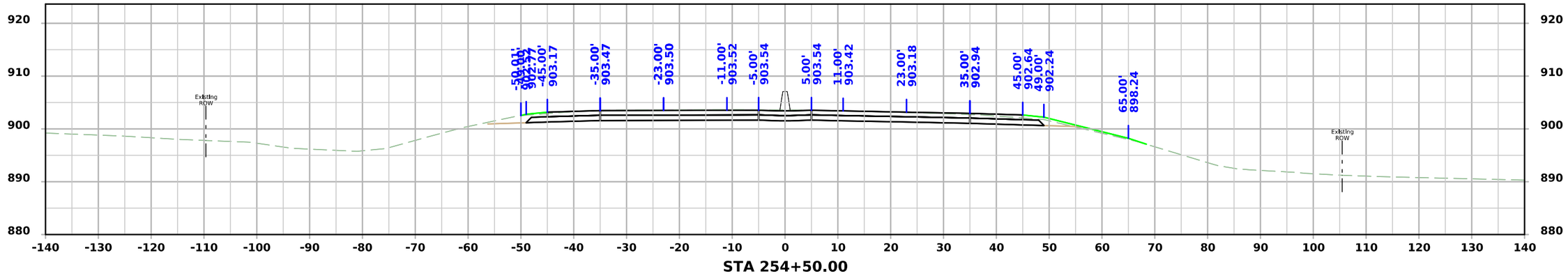


STA 252+00.00

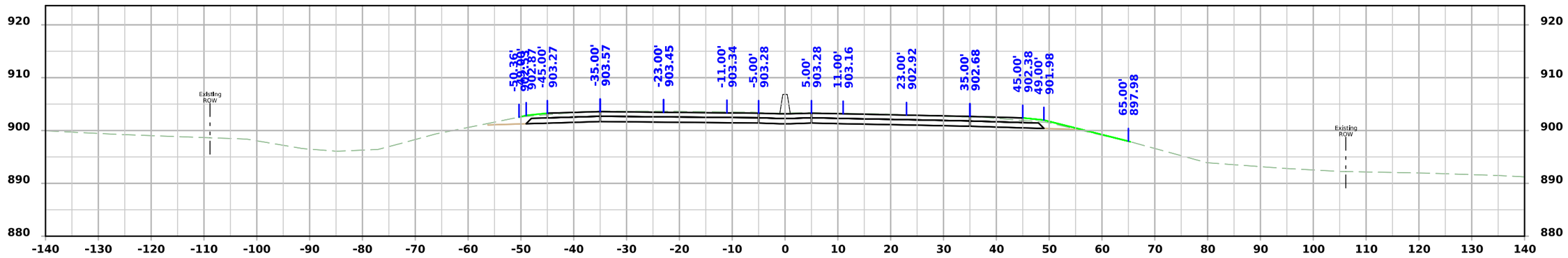
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.57

8:44:29 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

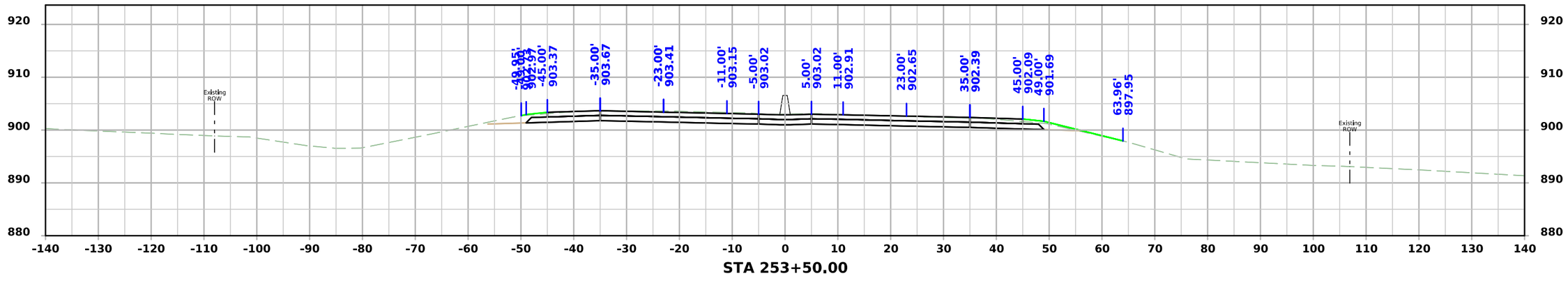
ML - IA58



STA 254+50.00



STA 254+00.00

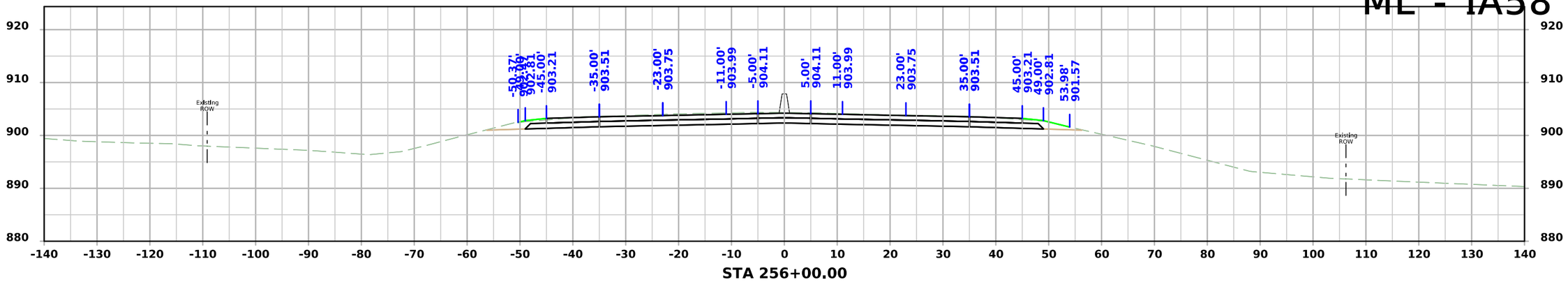


STA 253+50.00

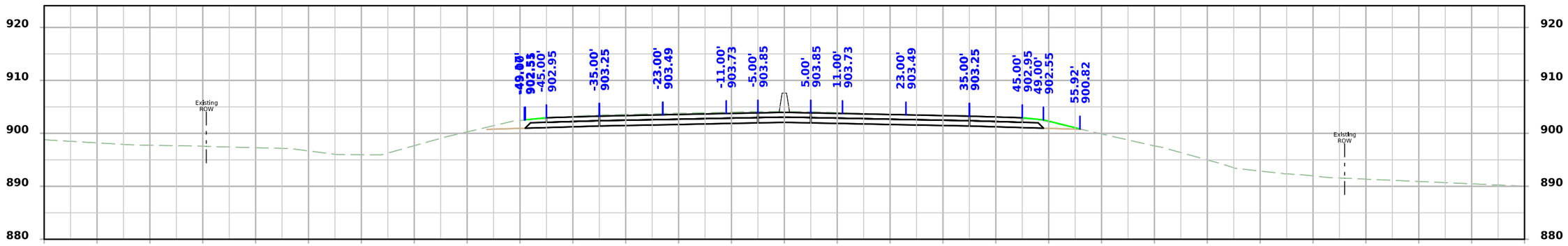
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.58	

8:44:30 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

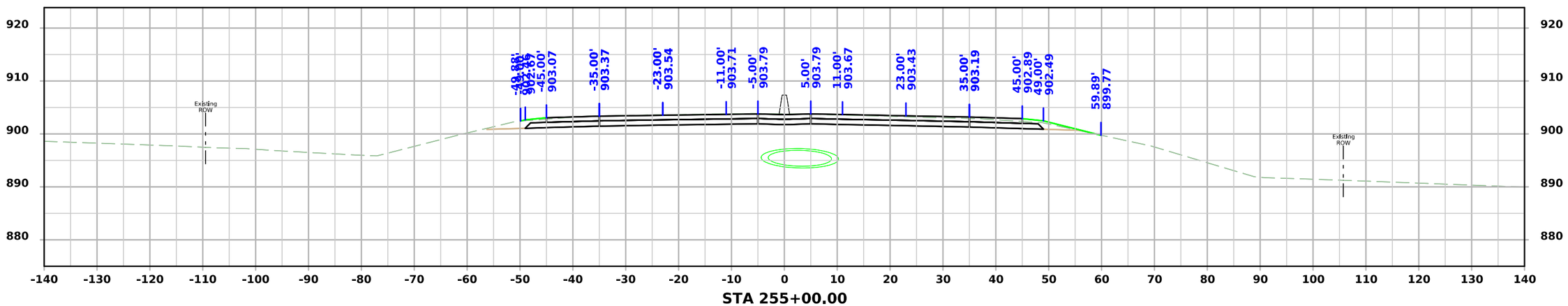
ML - IA58



STA 256+00.00



STA 255+50.00

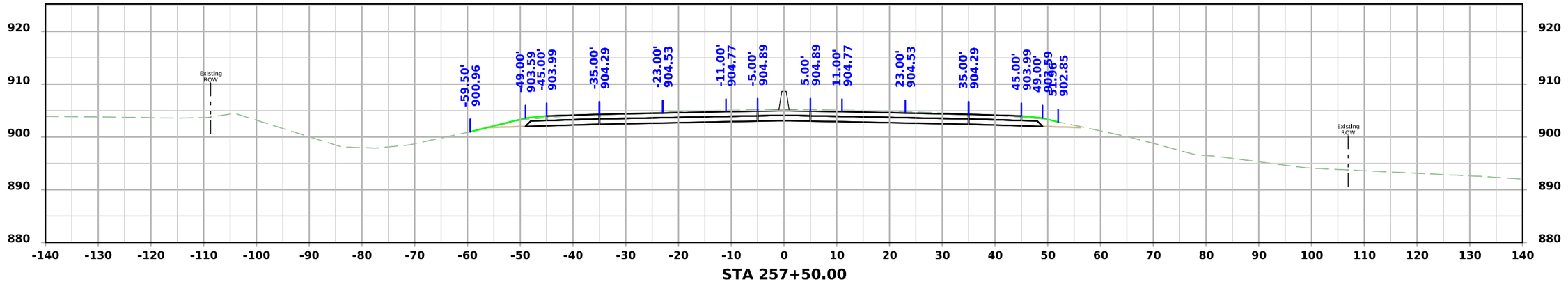


STA 255+00.00

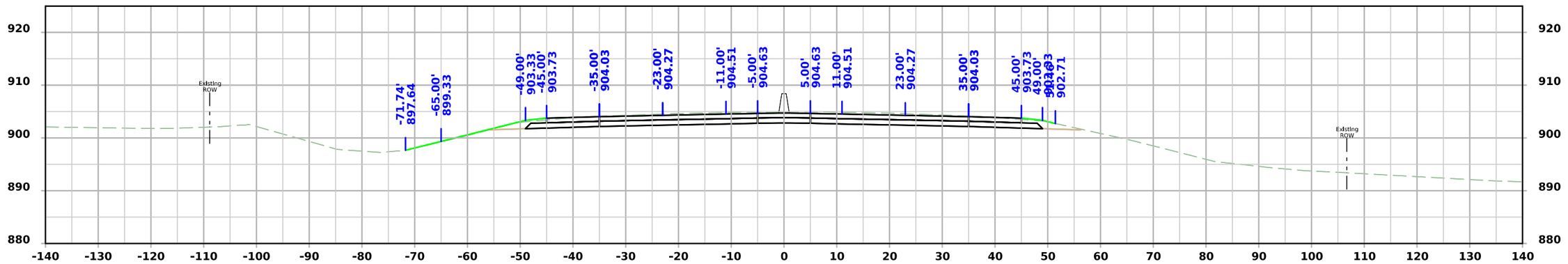
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.59

8:44:31 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

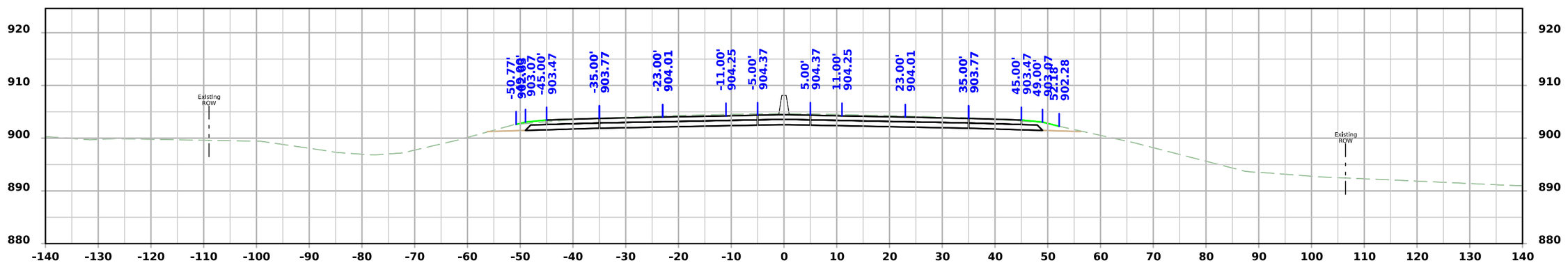
ML - IA58



STA 257+50.00



STA 257+00.00

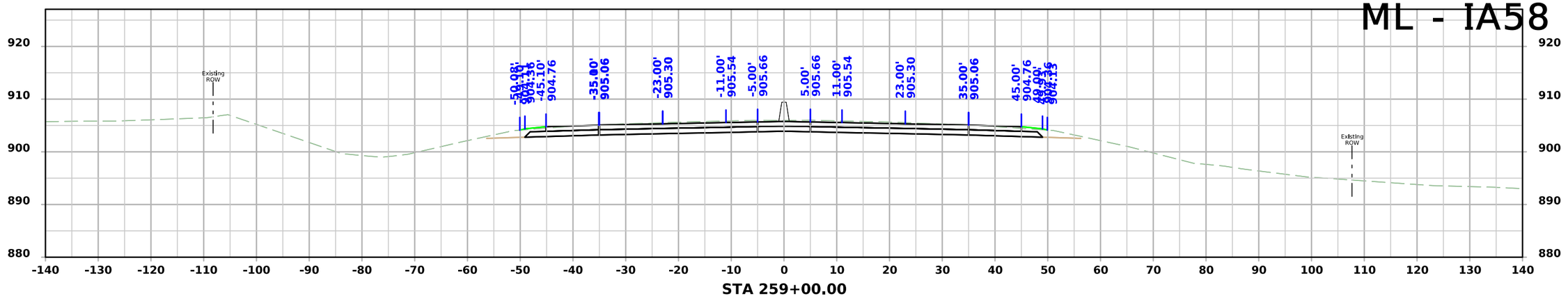


STA 256+50.00

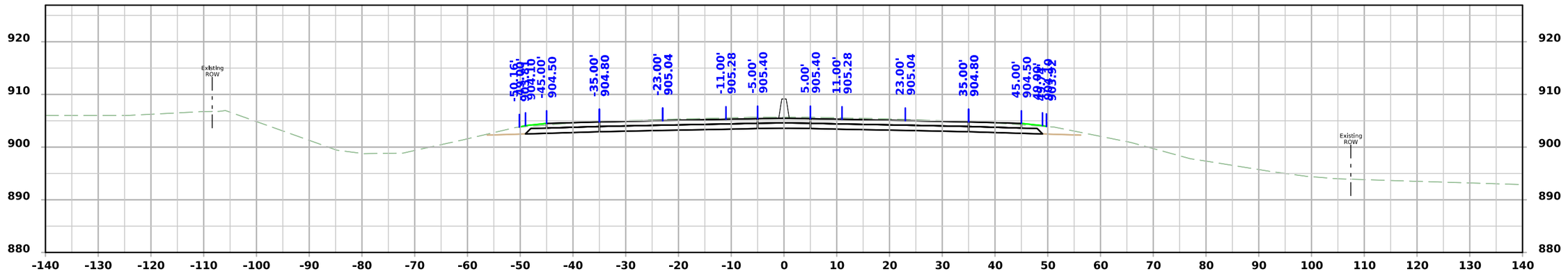
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.60

8:44:32 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

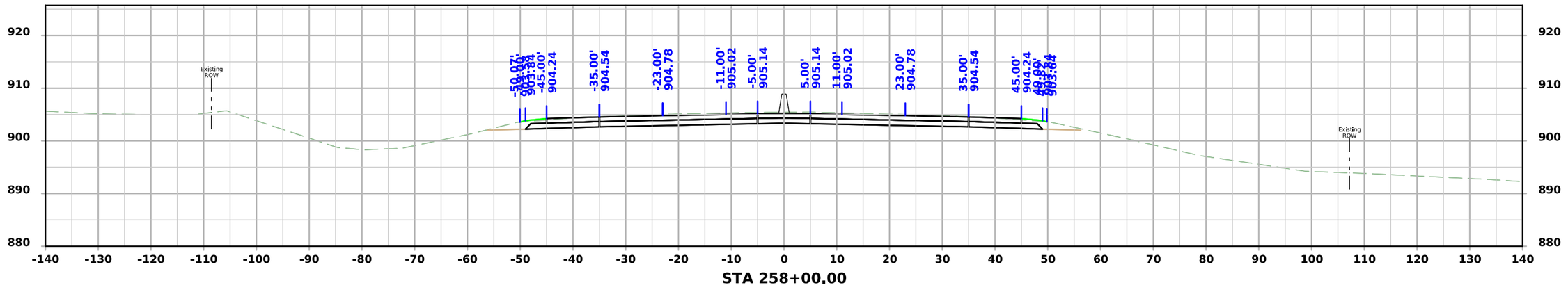
ML - IA58



STA 259+00.00



STA 258+50.00

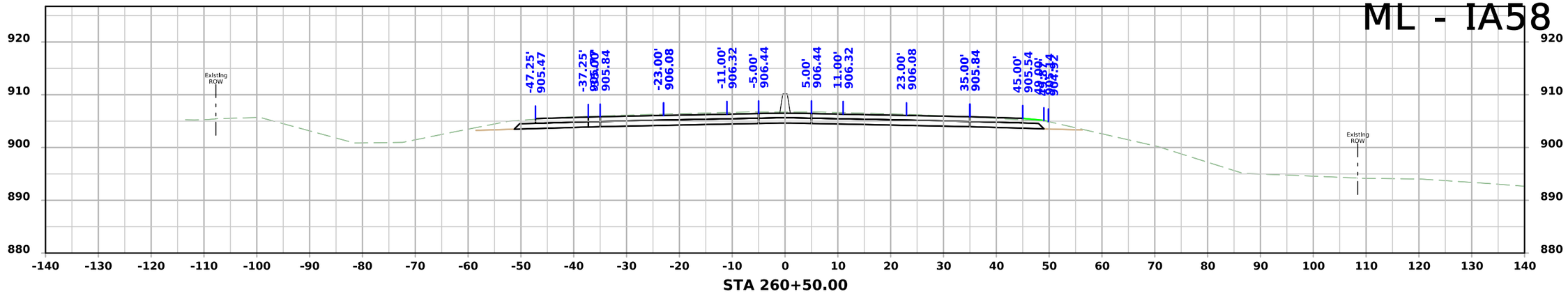


STA 258+00.00

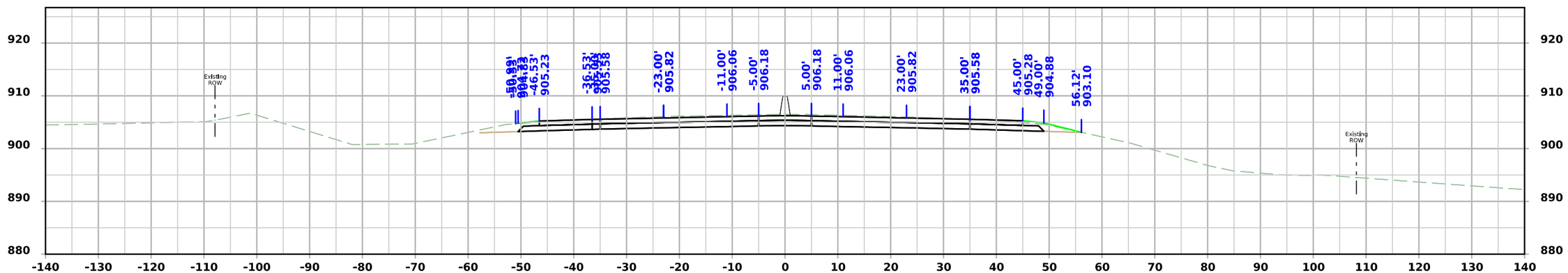
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.61

8:44:34 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

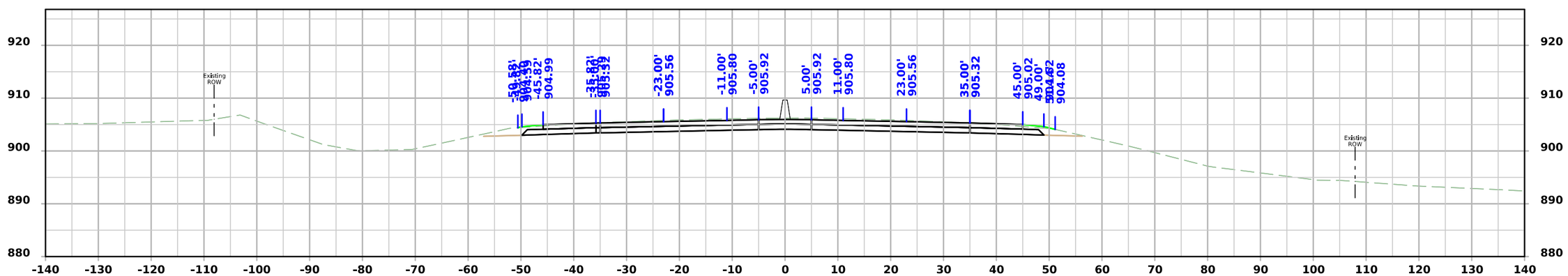
ML - IA58



STA 260+50.00



STA 260+00.00

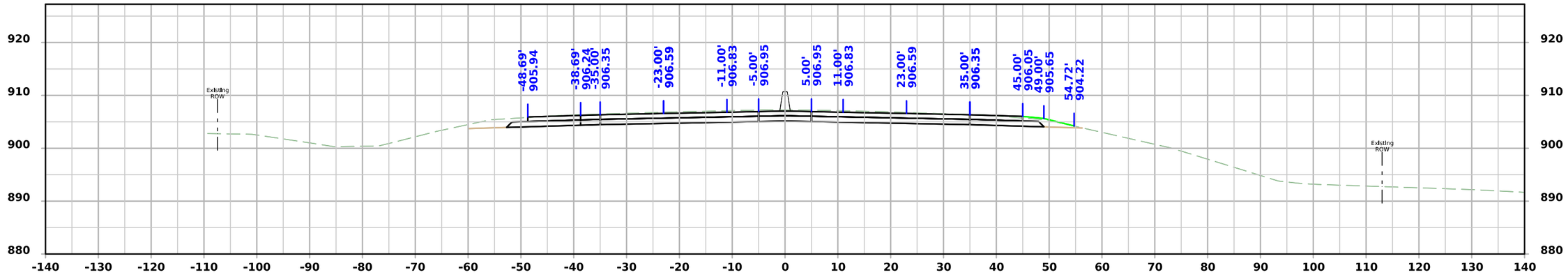


STA 259+50.00

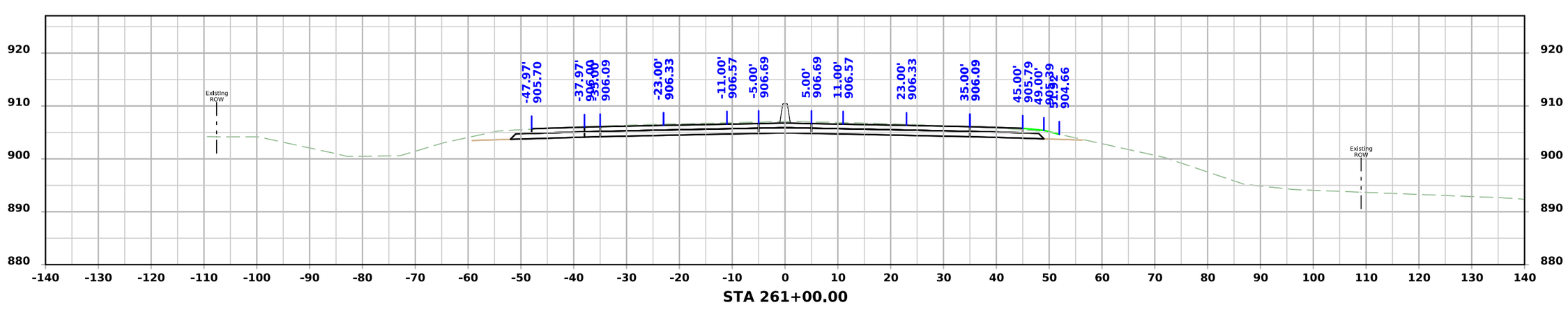
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.62

8:44:35 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



STA 261+50.00

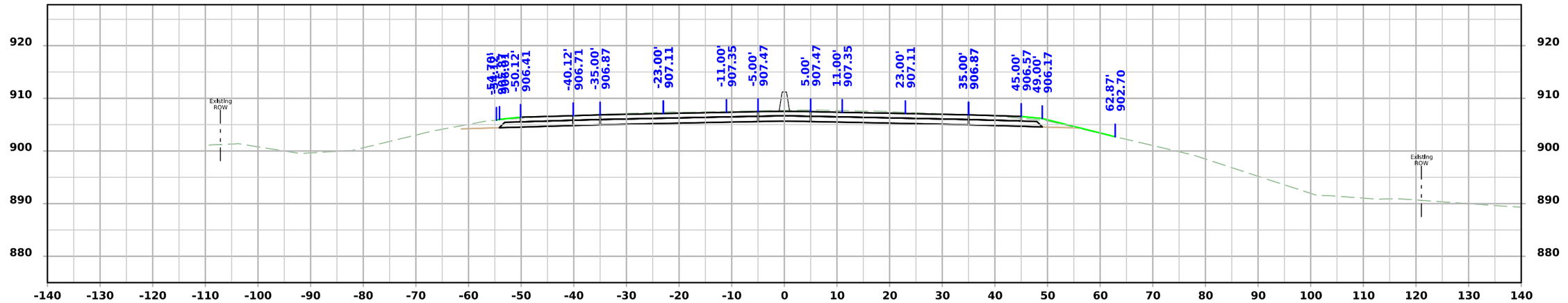


STA 261+00.00

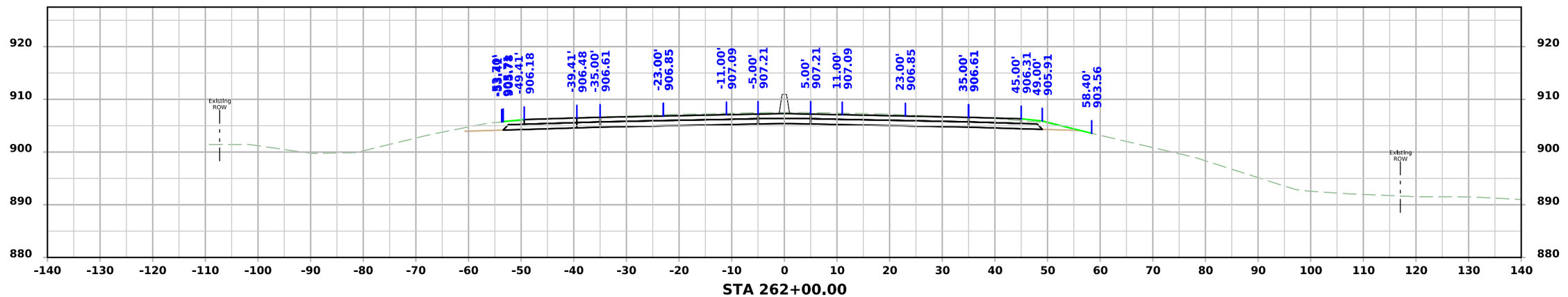
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.63	

8:44:36 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



STA 262+50.00

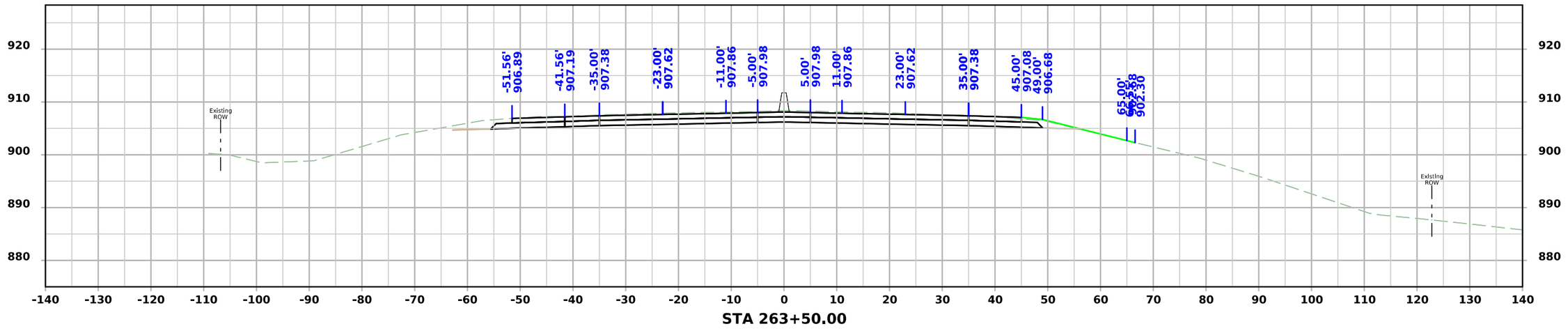


STA 262+00.00

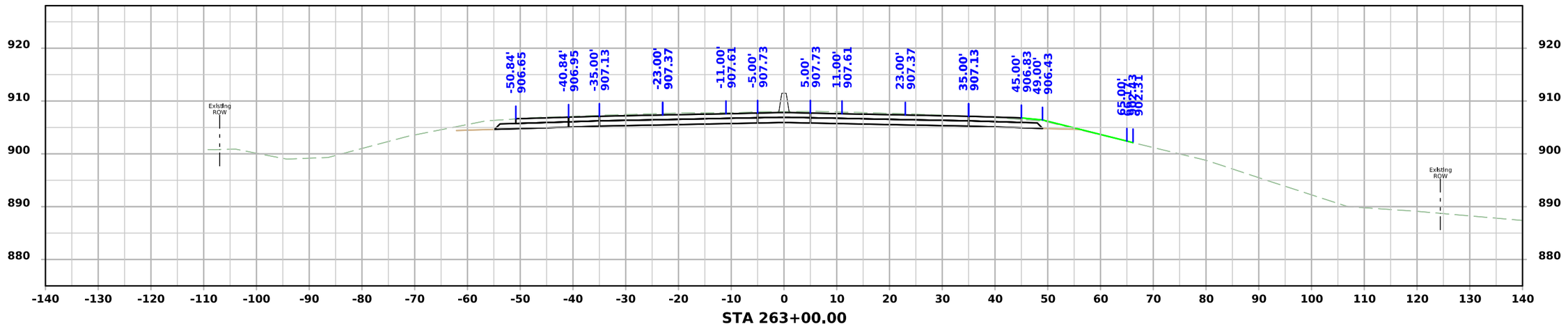
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.64

8:44:37 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



STA 263+50.00

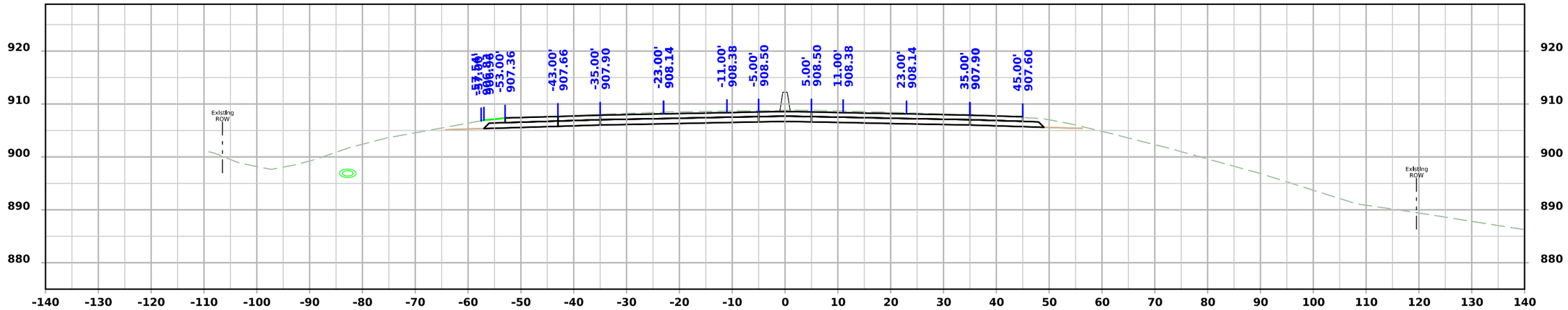


STA 263+00.00

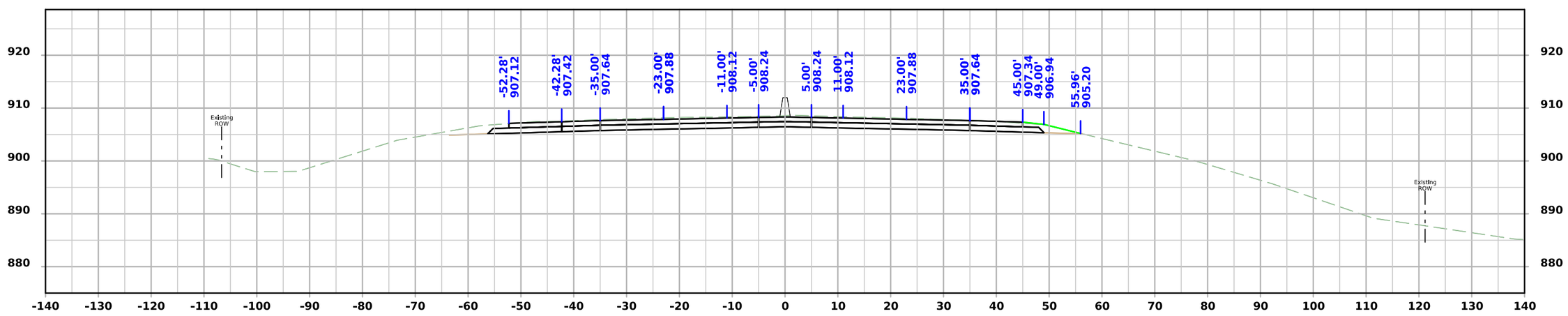
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.65

8:44:37 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



STA 264+50.00

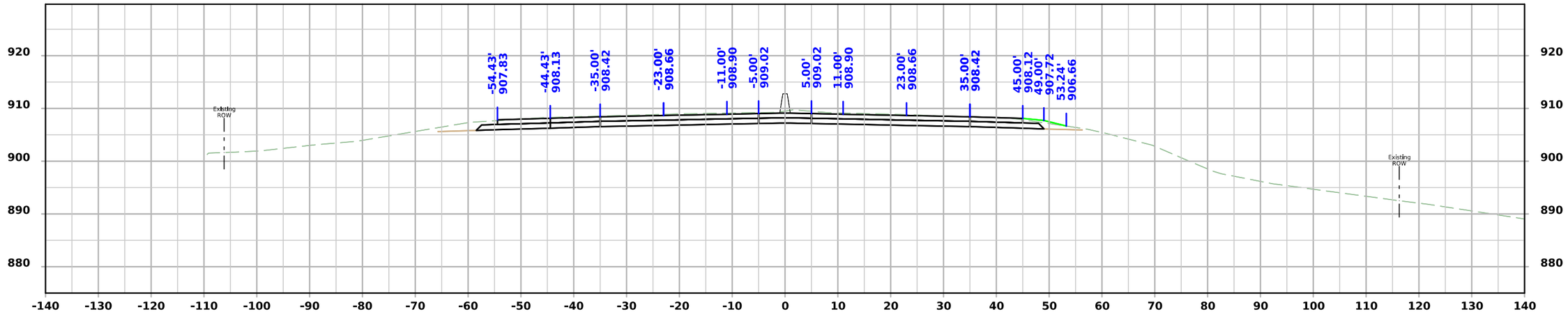


STA 264+00.00

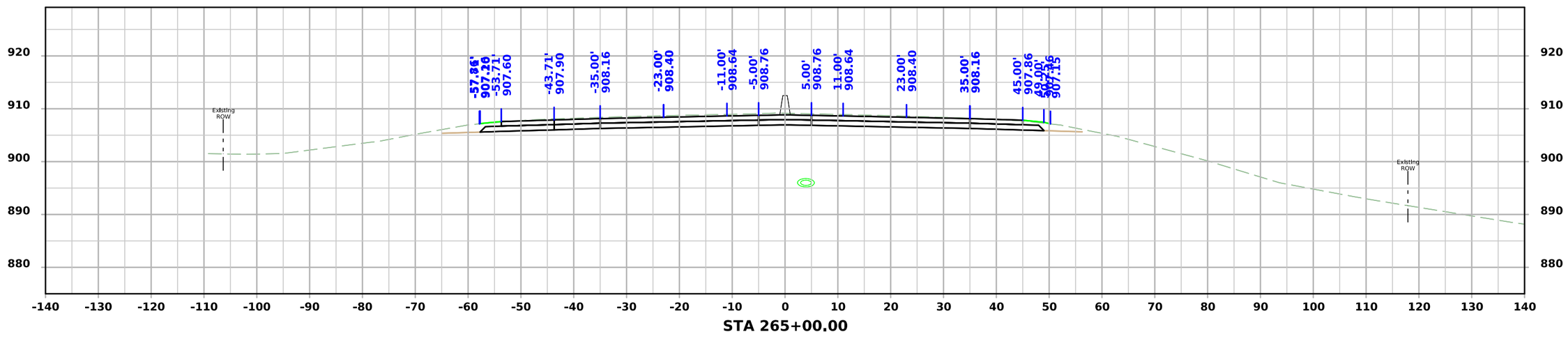
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.66

8:44:38 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

ML - IA58



STA 265+50.00

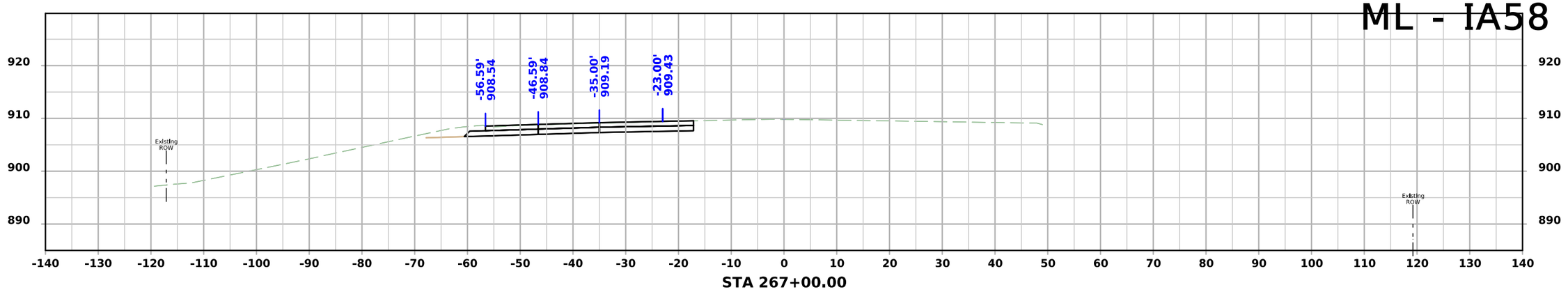


STA 265+00.00

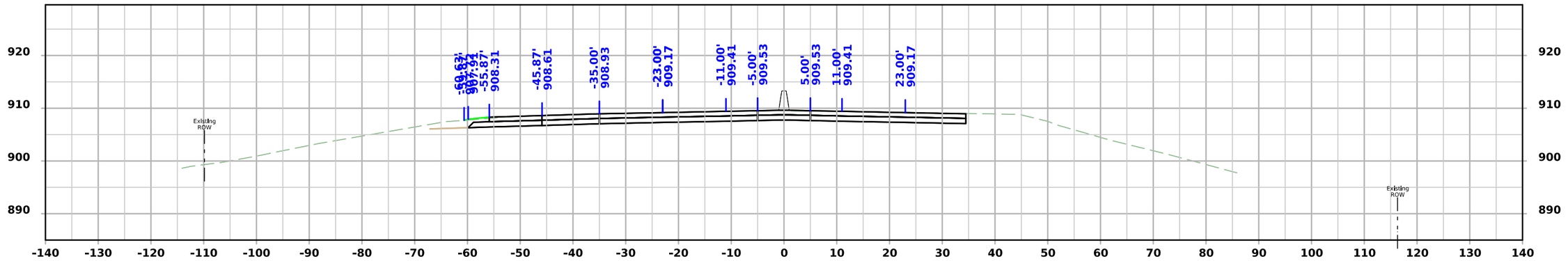
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.67

8:44:39 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

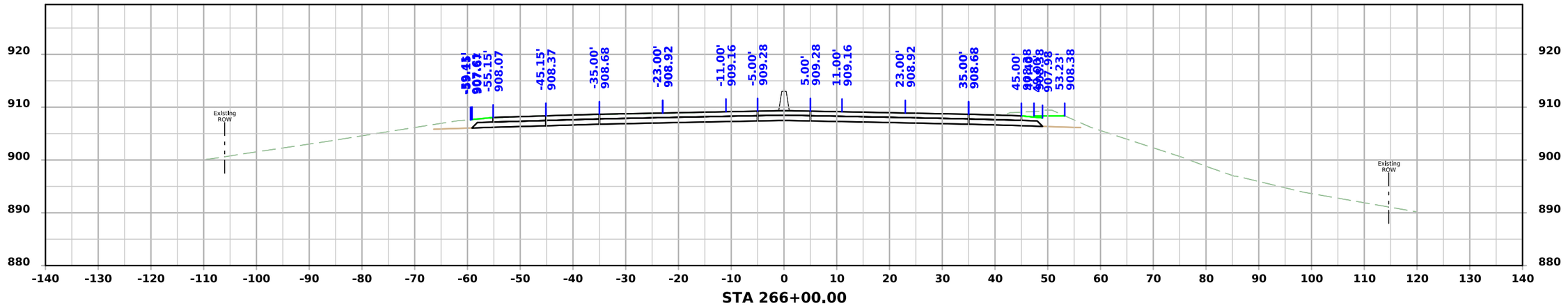
ML - IA58



STA 267+00.00



STA 266+50.00

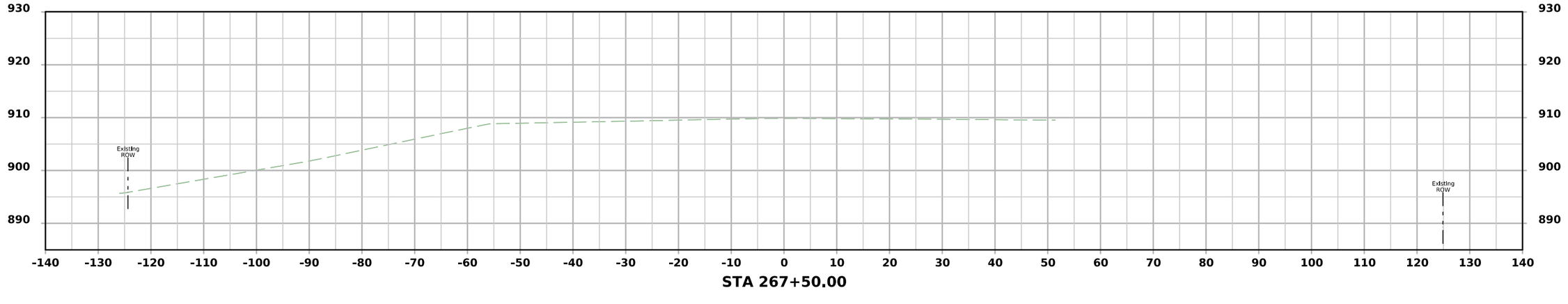


STA 266+00.00

FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.68

8:44:40 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

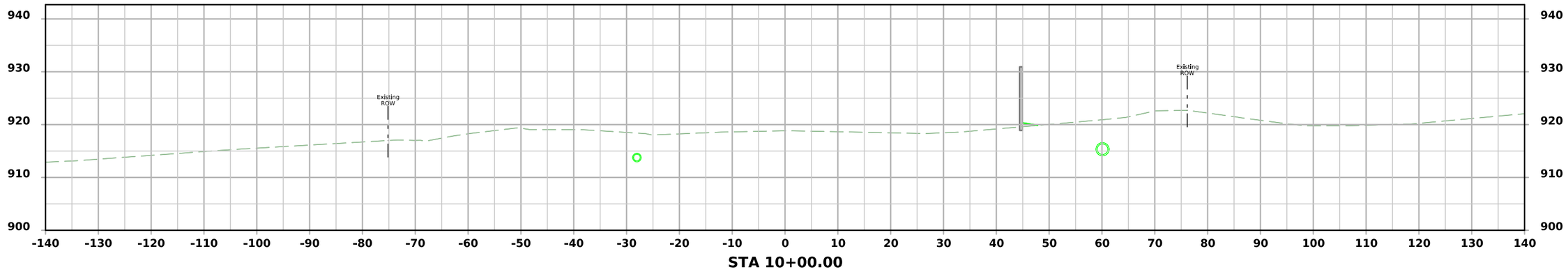
ML - IA58



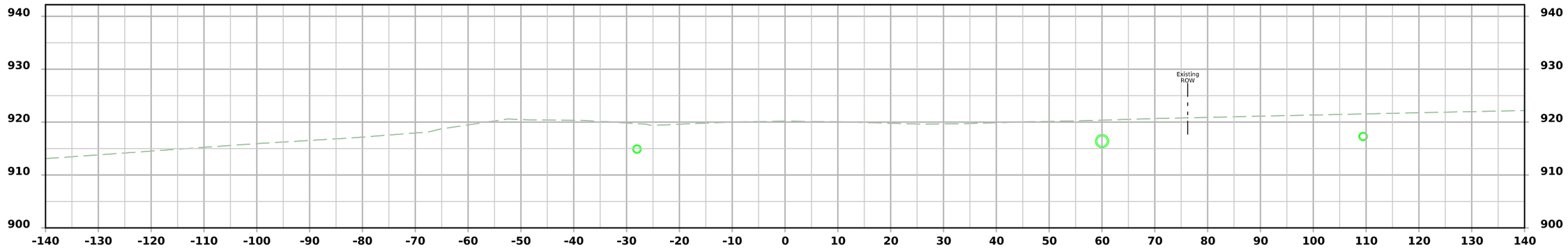
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER W.69

8:44:41 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\GreenhIll_Rd_ORD\CADD_Files\Sheet_Files\W01_07058097Z05.dgn

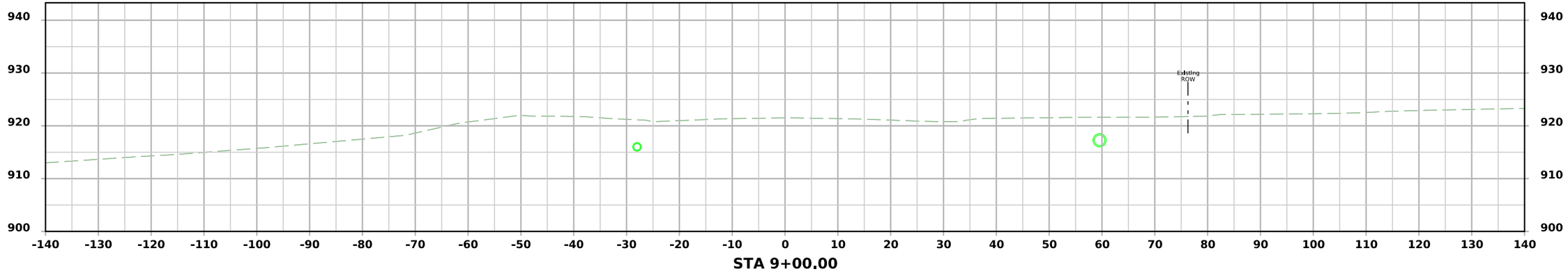
Greenhill Rd



STA 10+00.00



STA 9+50.00

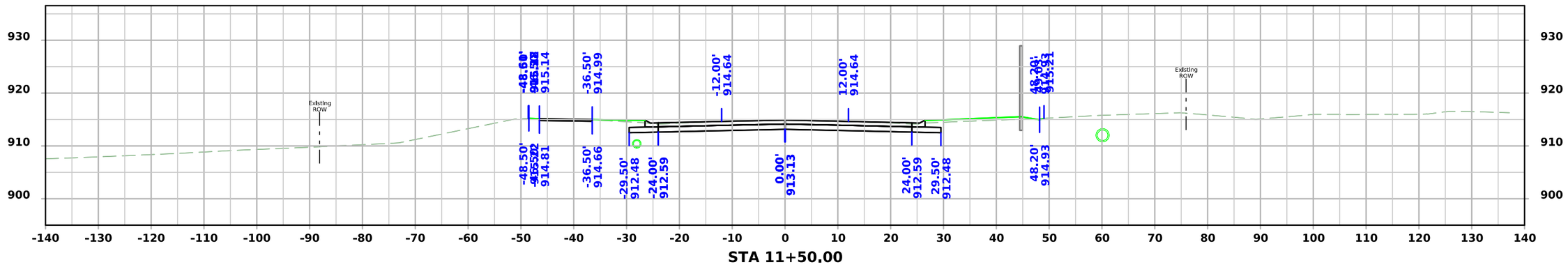


STA 9+00.00

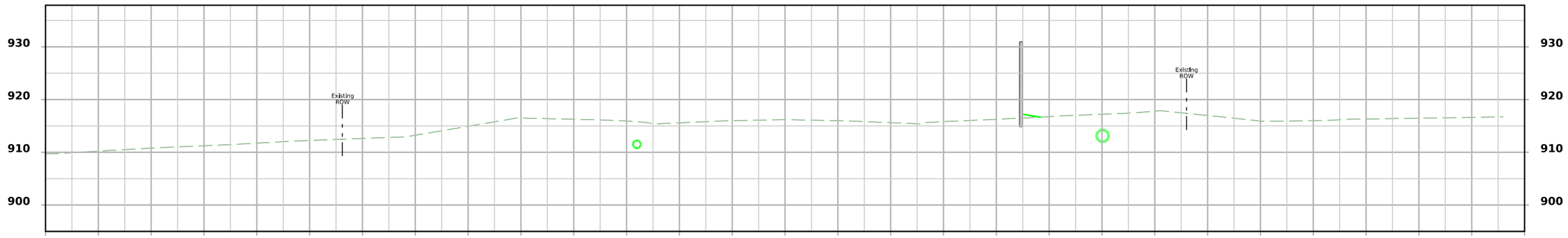
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER X.1	

8:52:49 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\X01_Greenhill_07058097Z05.dgn

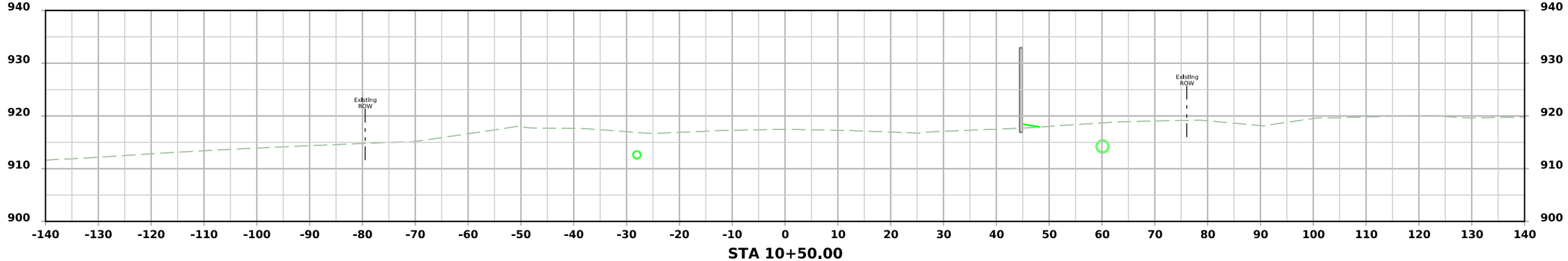
Greenhill Rd



STA 11+50.00



STA 11+00.00

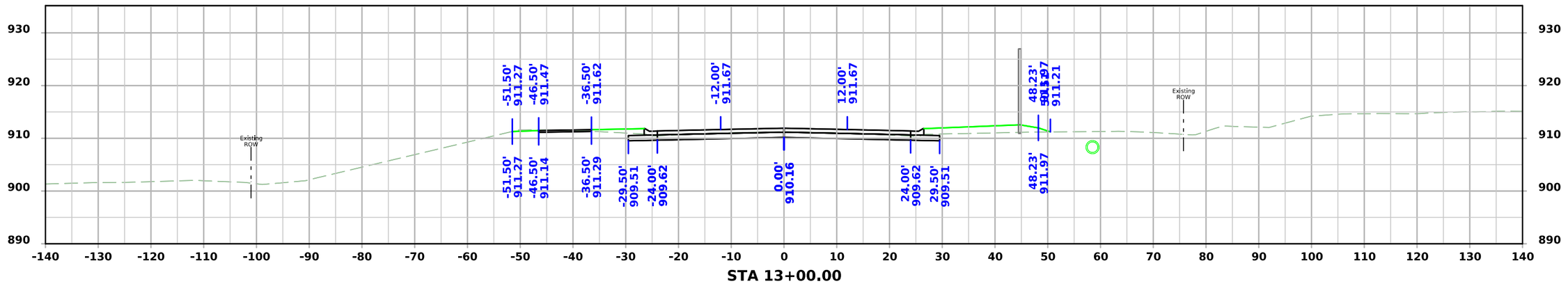


STA 10+50.00

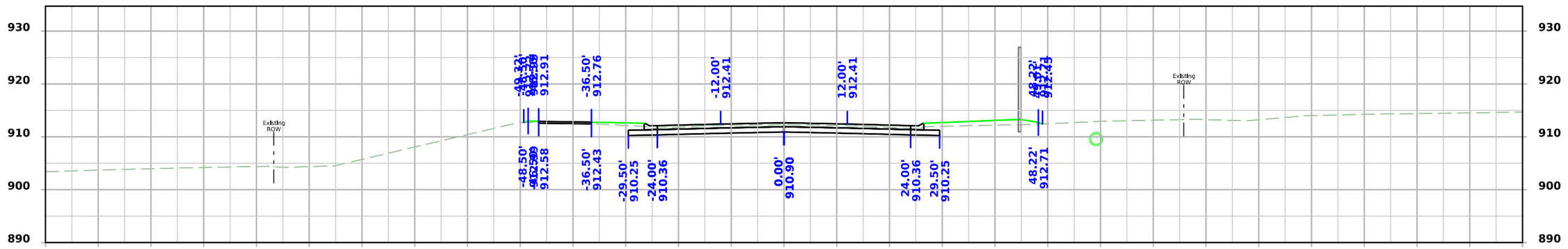
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER X.2	

8:52:50 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\X01_Greenhill_07058097Z05.dgn

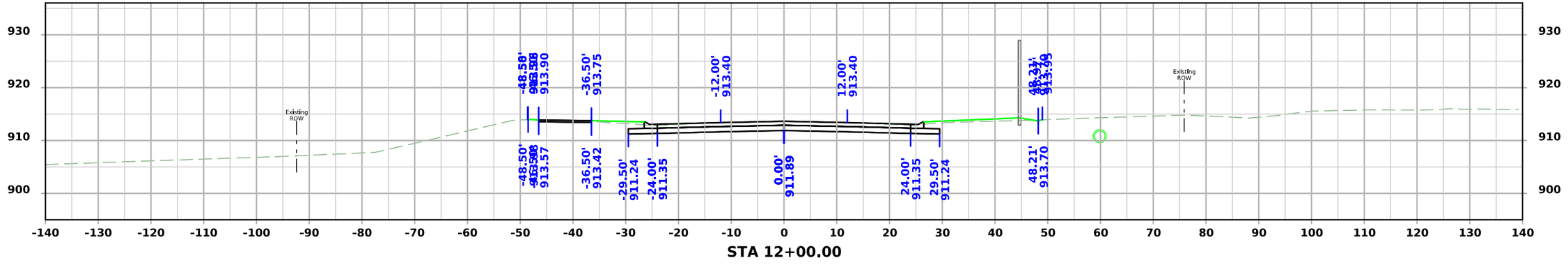
Greenhill Rd



STA 13+00.00



STA 12+50.00

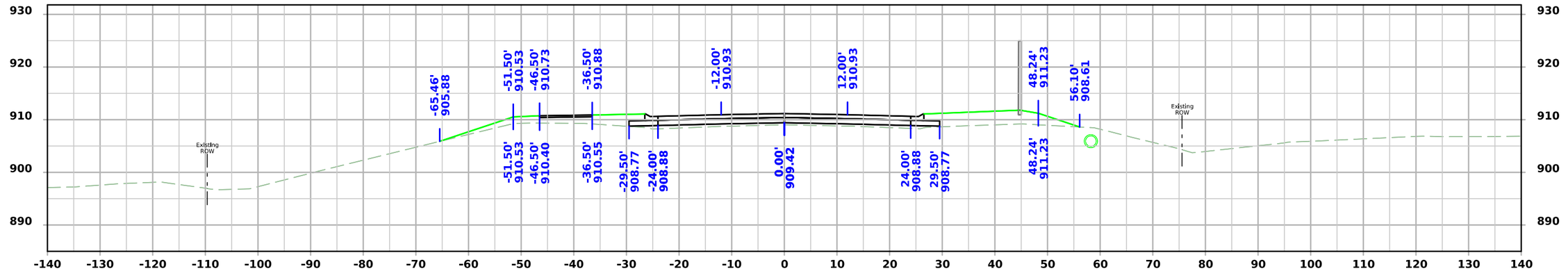


STA 12+00.00

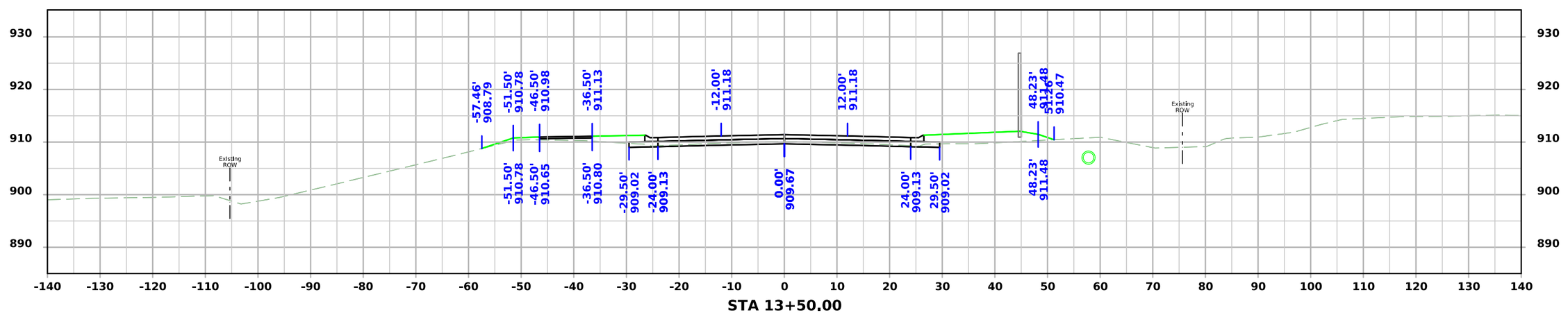
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER X.3

8:52:51 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\X01_Greenhill_07058097Z05.dgn

Greenhill Rd



STA 14+00.00

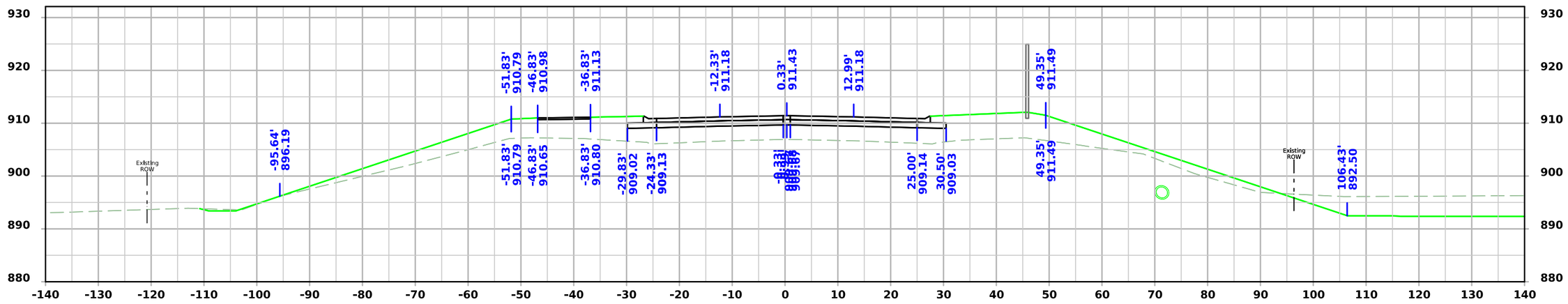


STA 13+50.00

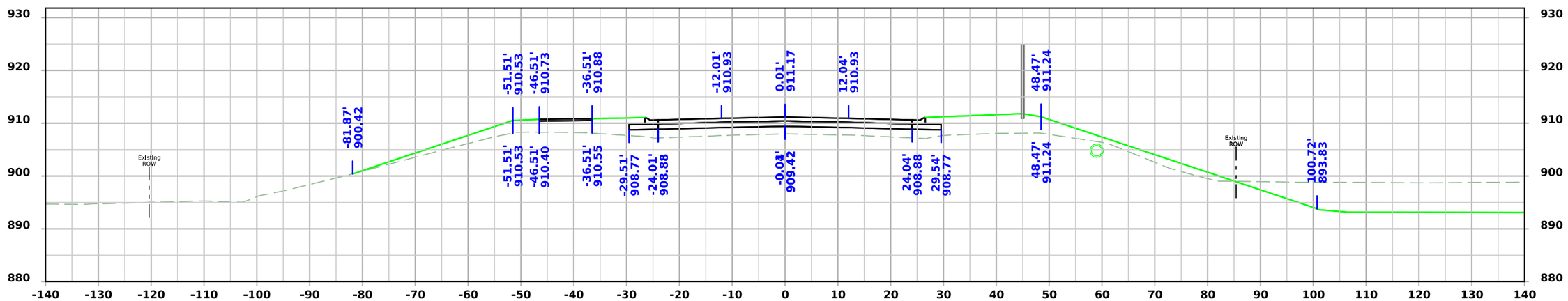
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER X.4	

8:52:52 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\X01_Greenhill_07058097Z05.dgn

Greenhill Rd



STA 15+00.00

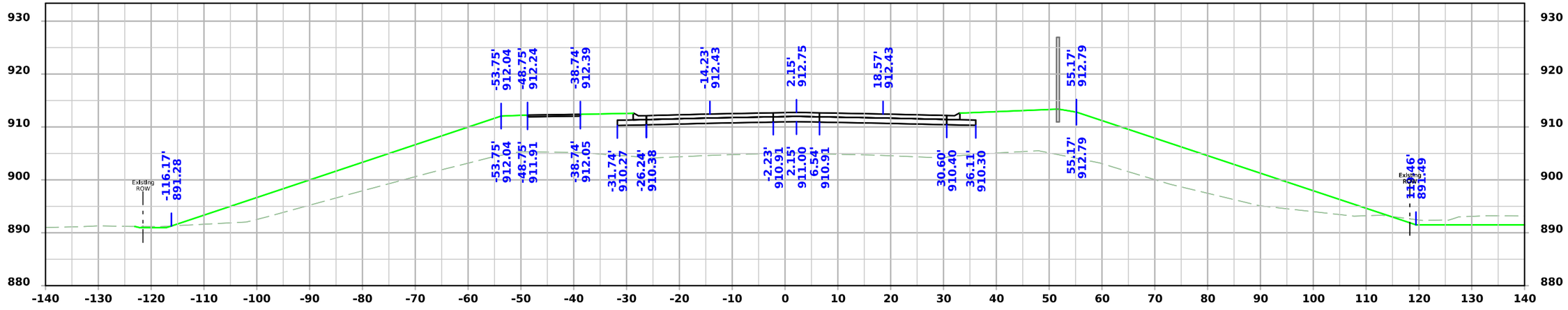


STA 14+50.00

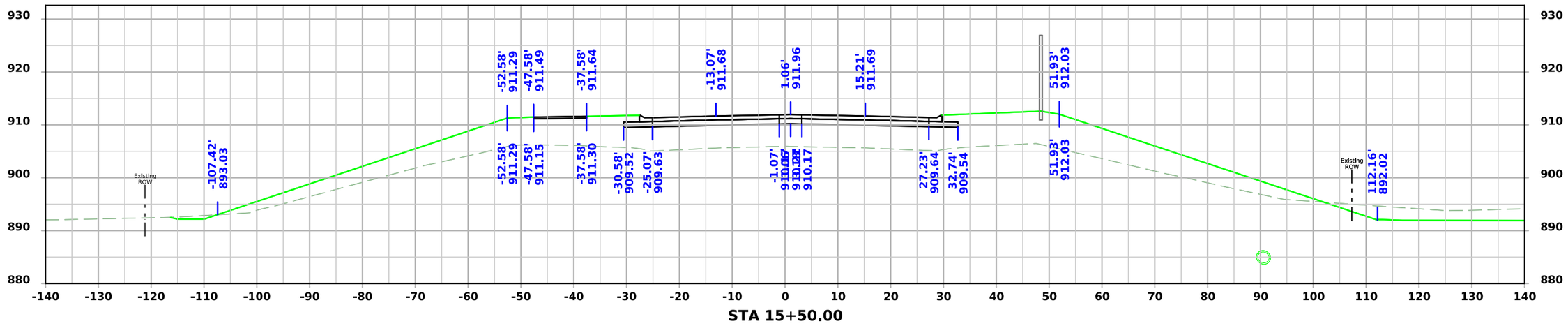
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER X.5

8:52:53 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\X01_Greenhill_07058097Z05.dgn

Greenhill Rd



STA 16+00.00

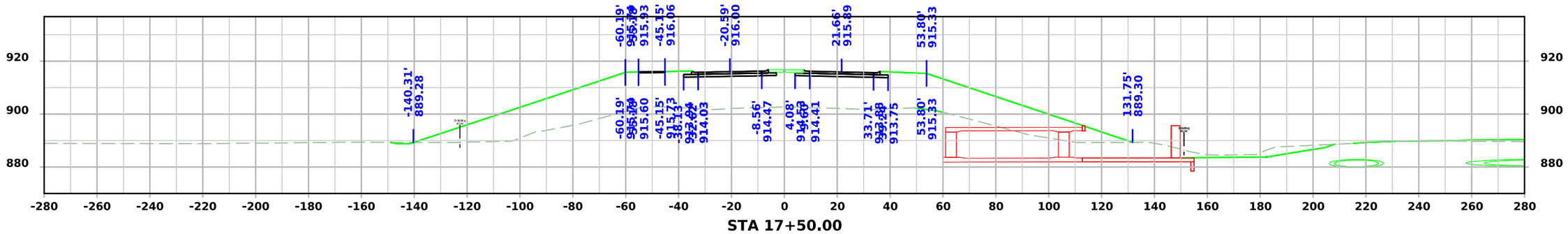


STA 15+50.00

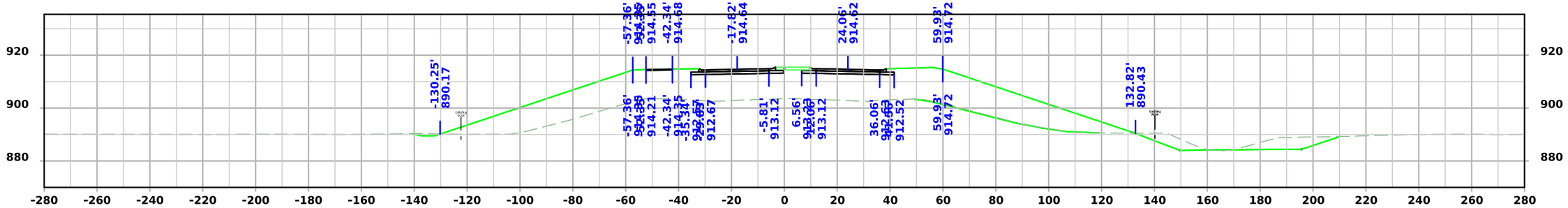
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER X.6

8:52:54 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\X01_Greenhill_07058097Z05.dgn

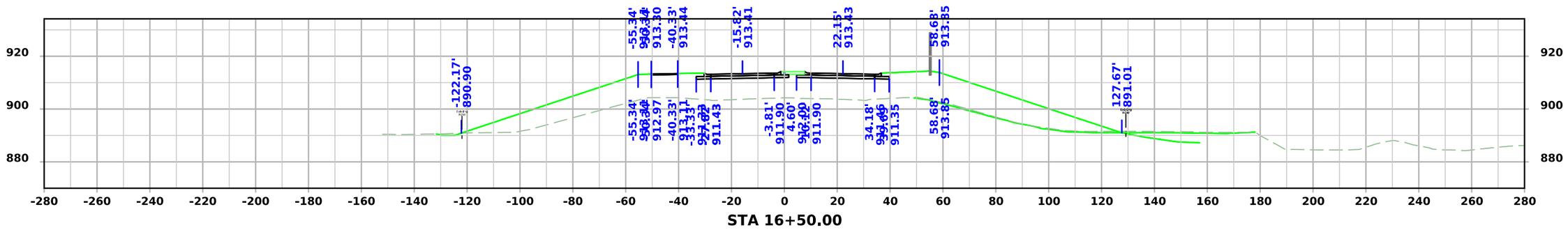
Greenhill Rd



STA 17+50.00



STA 17+00.00

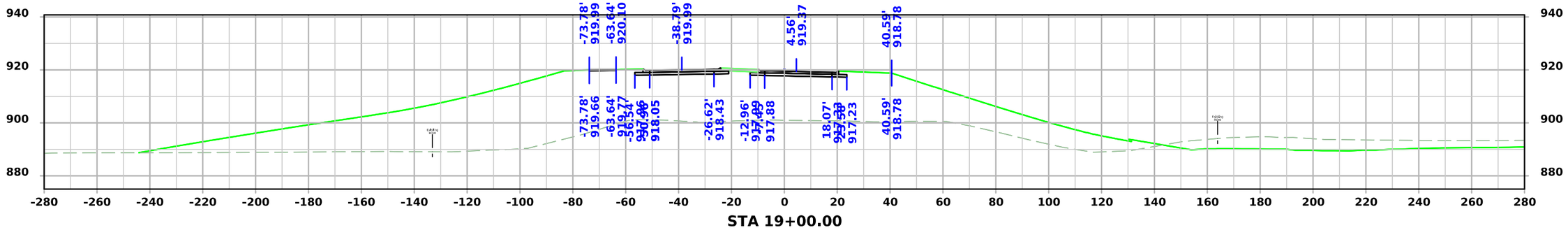


STA 16+50.00

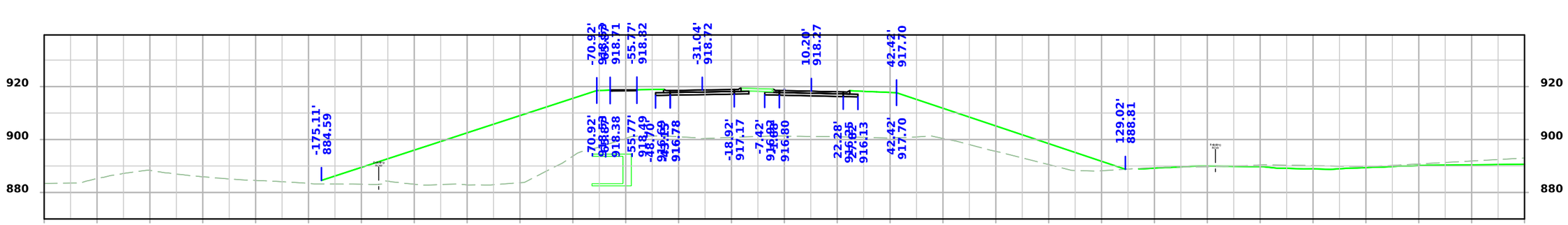
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER X.7

8:52:55 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\X01_Greenhill_07058097Z05.dgn

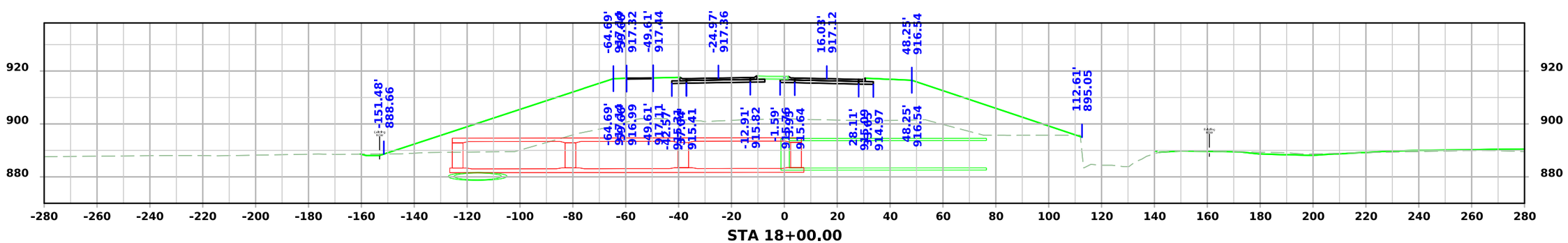
Greenhill Rd



STA 19+00.00



STA 18+50.00

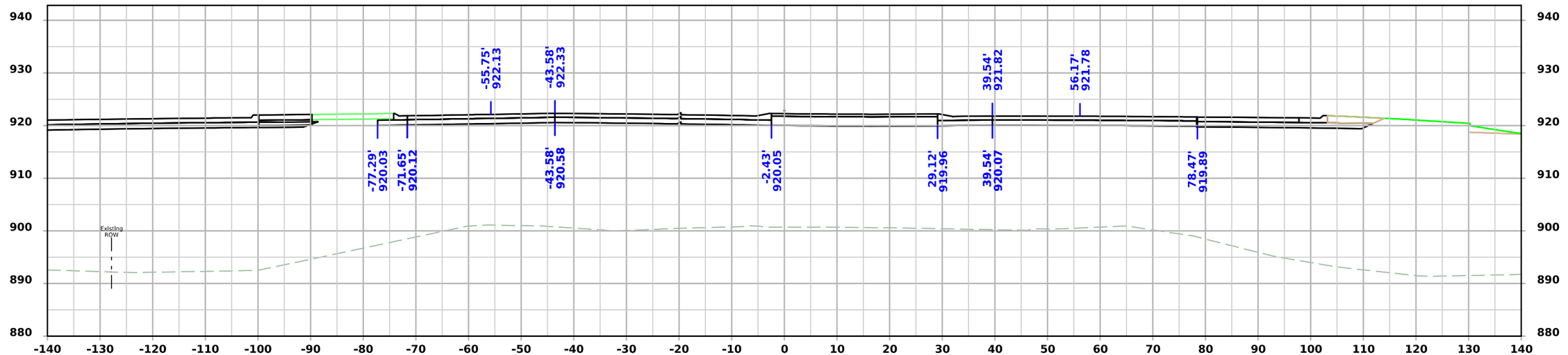


STA 18+00.00

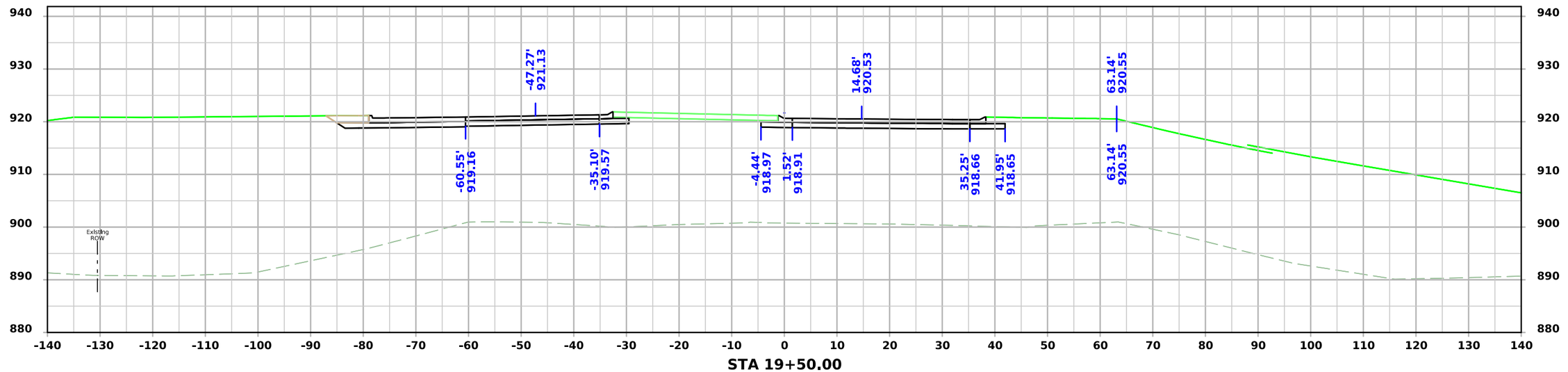
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER X.8

8:52:56 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\X01_Greenhill_07058097Z05.dgn

Greenhill Rd



STA 20+00.00

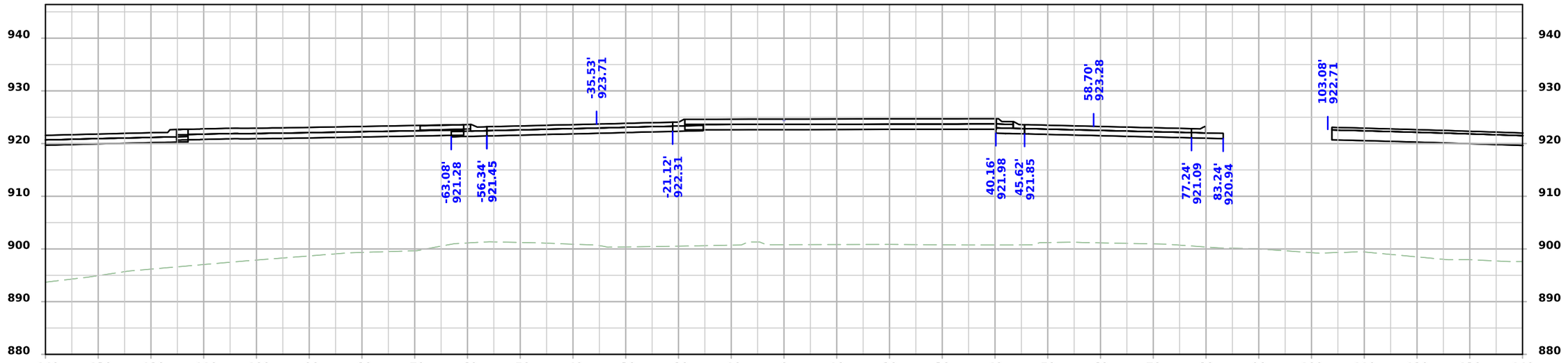


STA 19+50.00

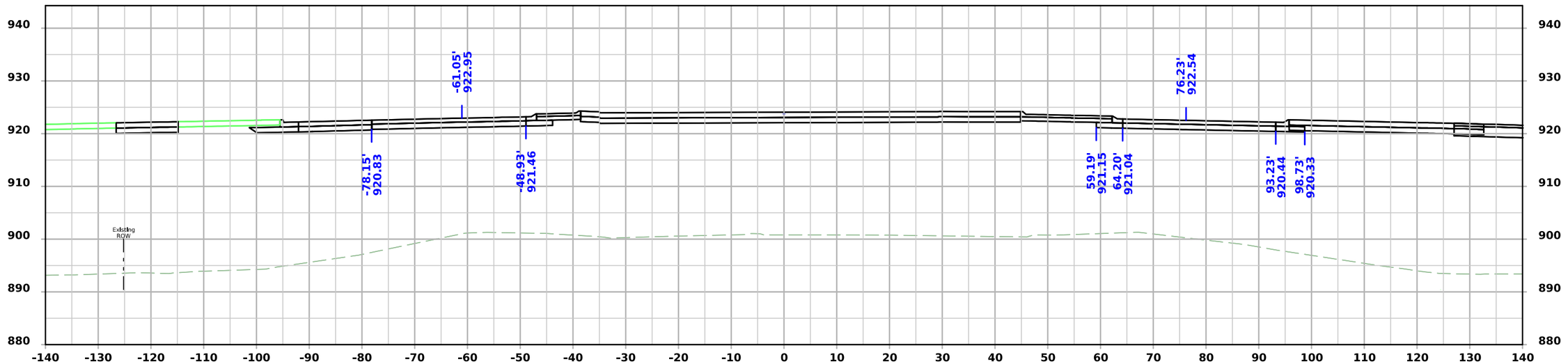
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER X.9	

8:52:58 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\X01_Greenhill_07058097Z05.dgn

Greenhill Rd



STA 21+00.00

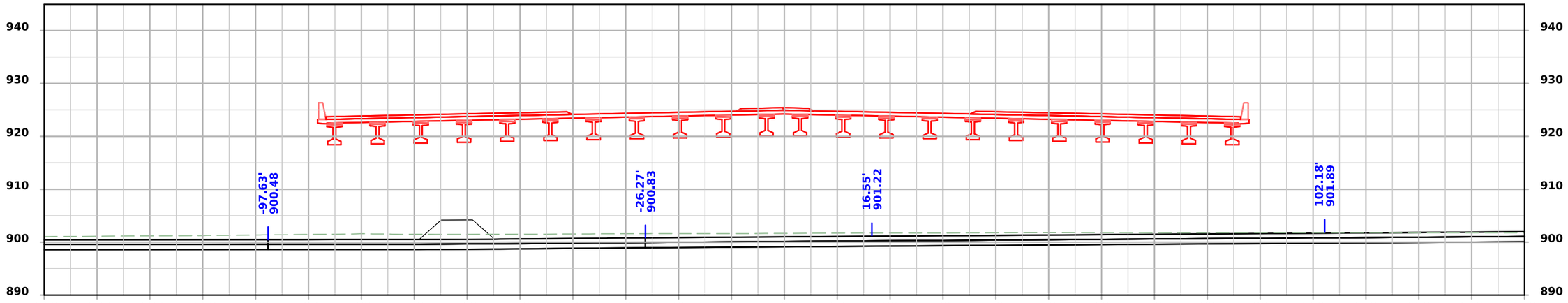


STA 20+50.00

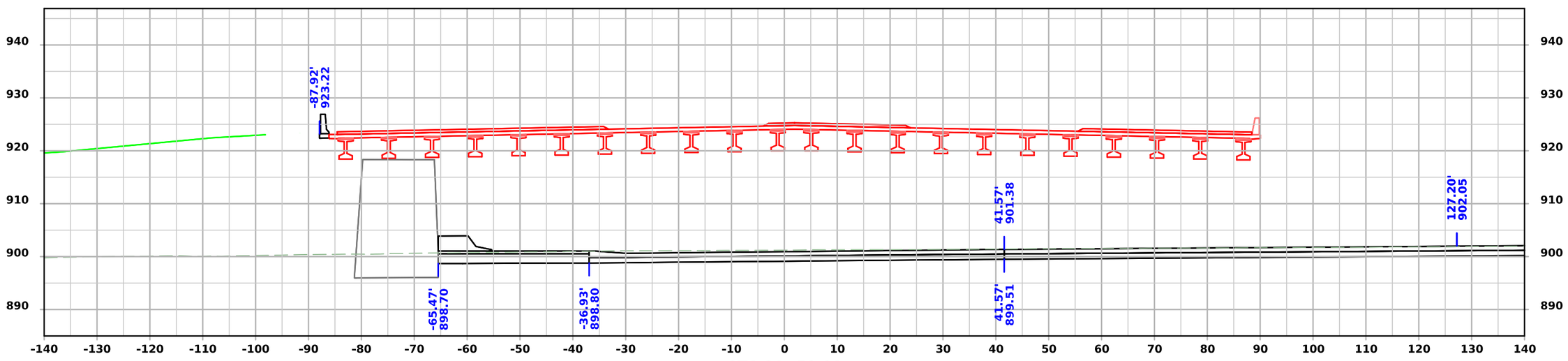
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER X.10

8:52:59 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\X01_Greenhill_07058097Z05.dgn

Greenhill Rd



STA 22+00.00

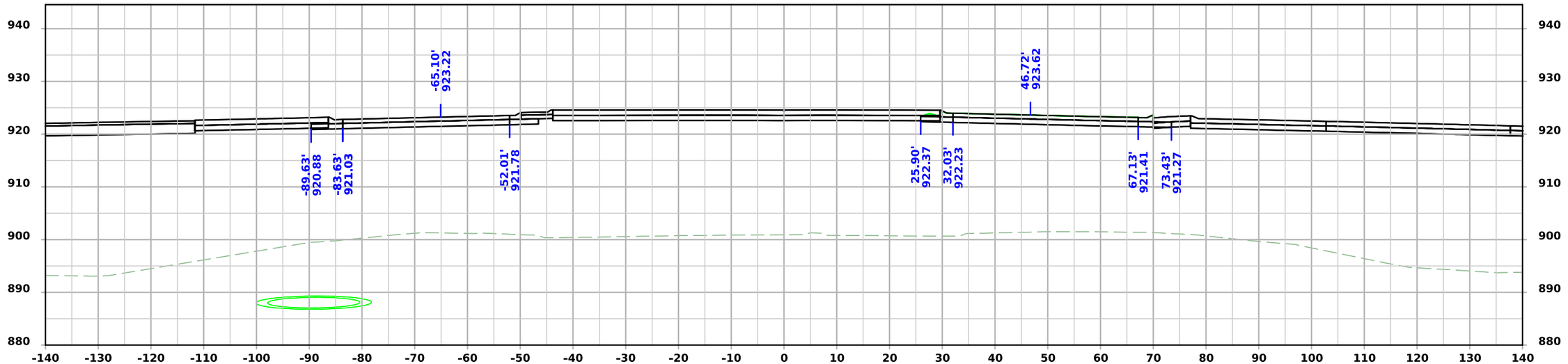


STA 21+50.00

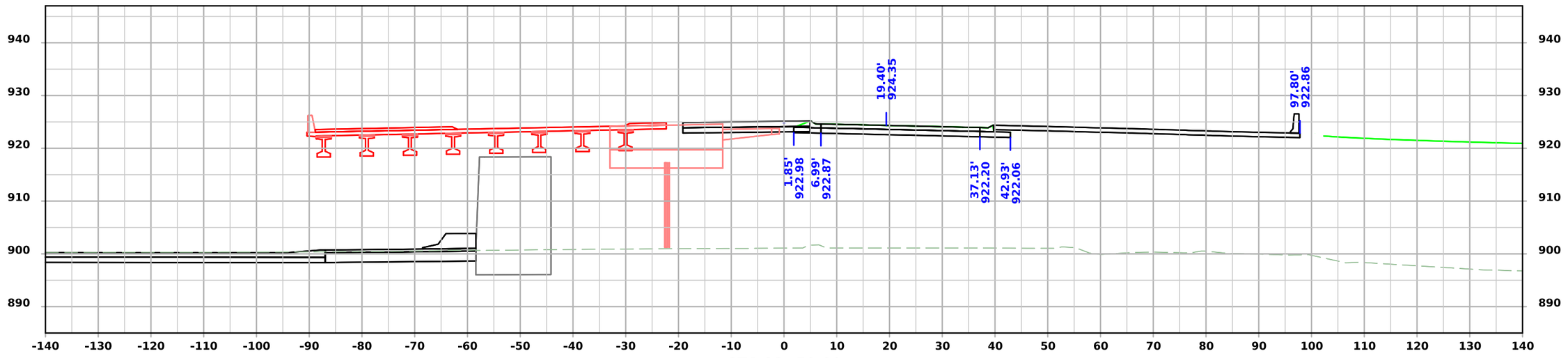
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER X.11

8:53:01 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\X01_Greenhill_07058097Z05.dgn

Greenhill Rd



STA 23+00.00

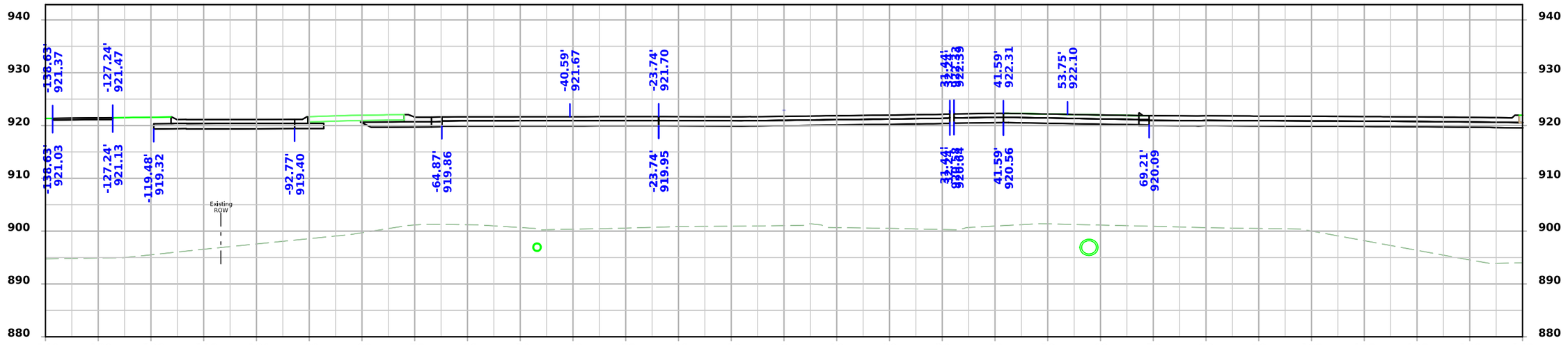


STA 22+50.00

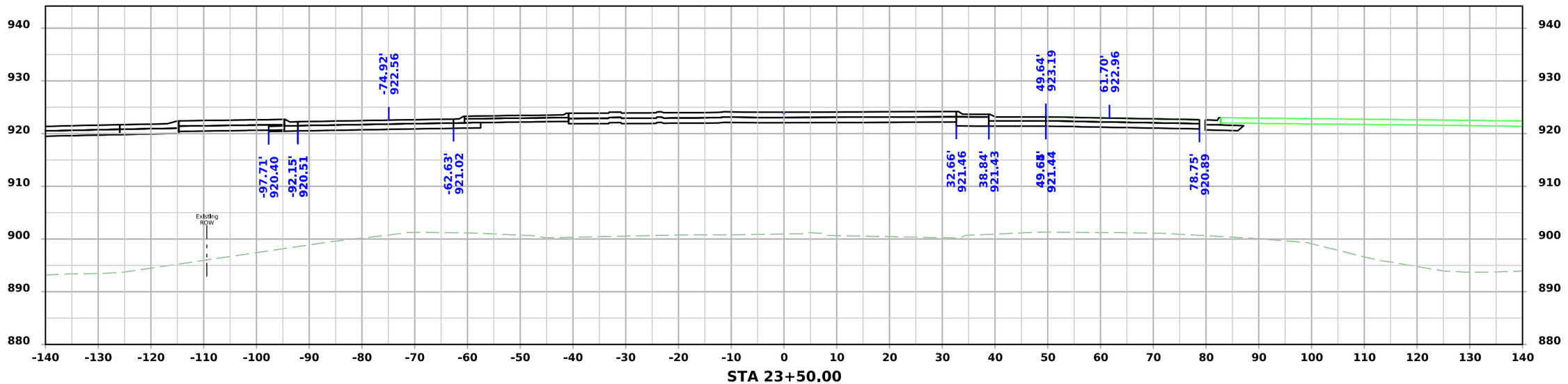
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER X.12

8:53:03 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\X01_Greenhill_07058097Z05.dgn

Greenhill Rd



STA 24+00.00

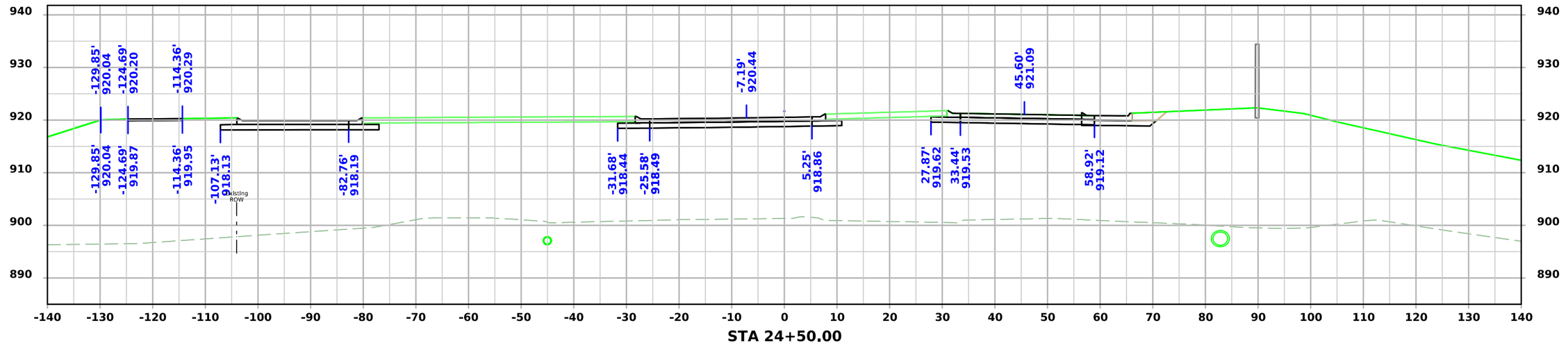


STA 23+50.00

FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER X.13

8:53:04 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\X01_Greenhill_07058097Z05.dgn

Greenhill Rd

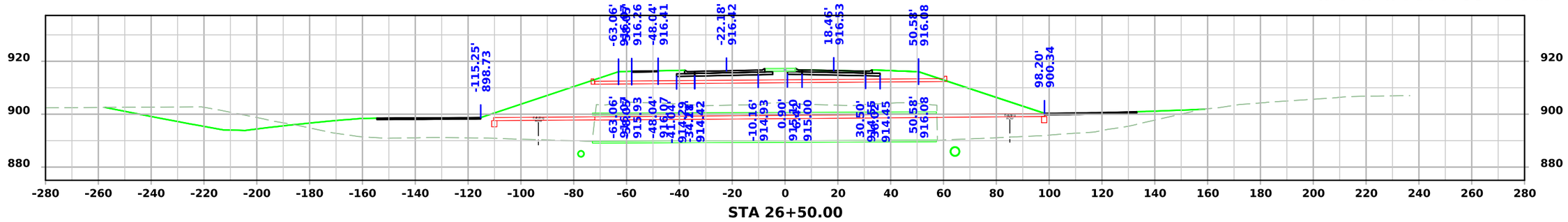


STA 24+50.00

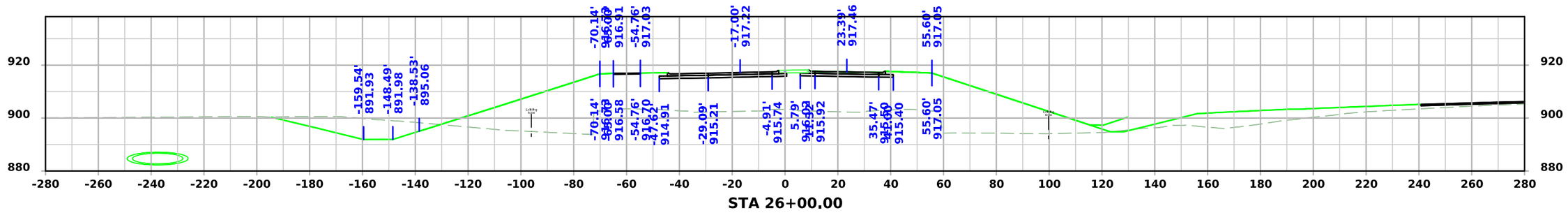
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER X.14

8:53:05 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\X01_Greenhill_07058097Z05.dgn

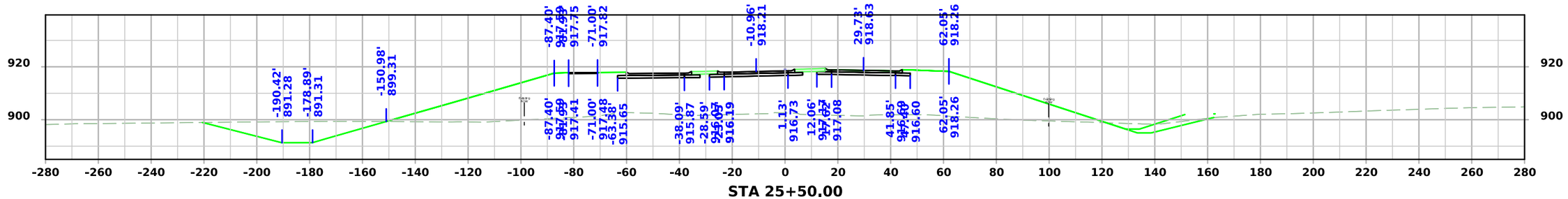
Greenhill Rd



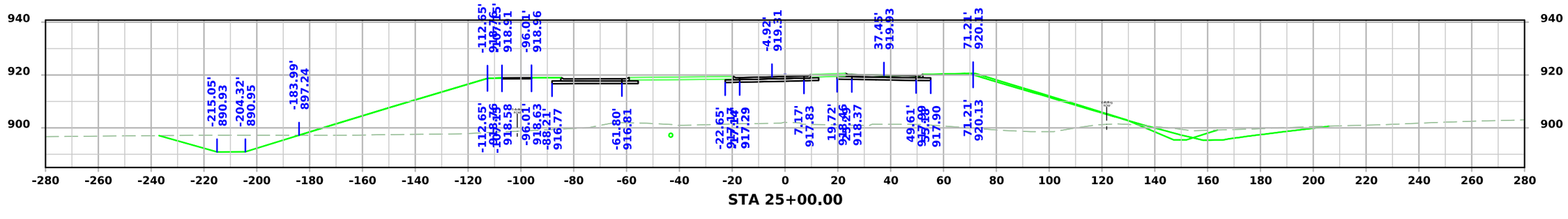
STA 26+50.00



STA 26+00.00



STA 25+50.00

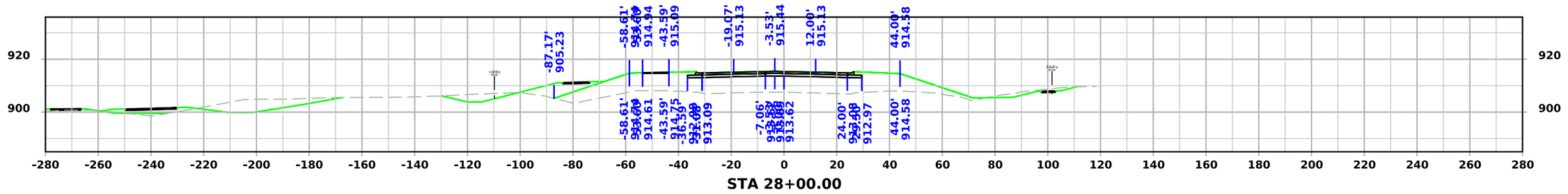


STA 25+00.00

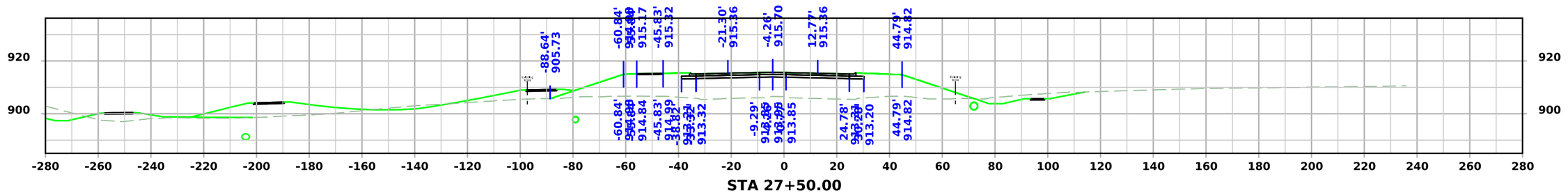
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER X.15

8:53:06 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\X01_Greenhill_07058097Z05.dgn

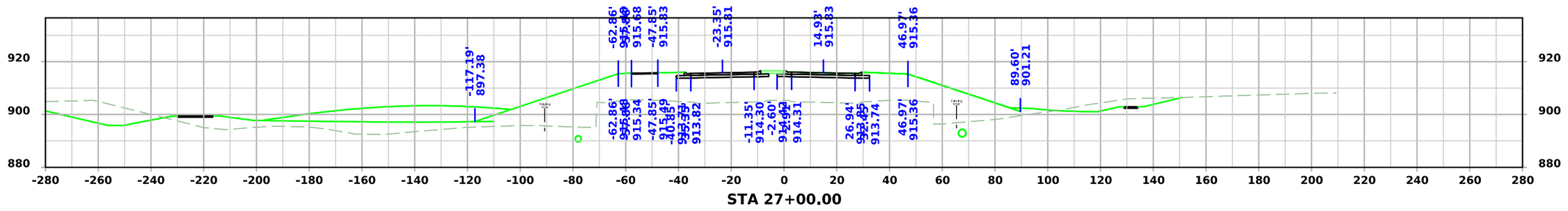
Greenhill Rd



STA 28+00.00



STA 27+50.00

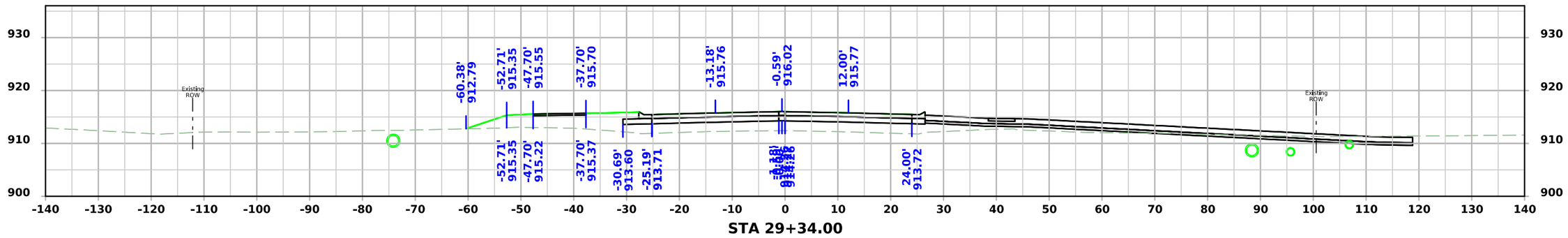


STA 27+00.00

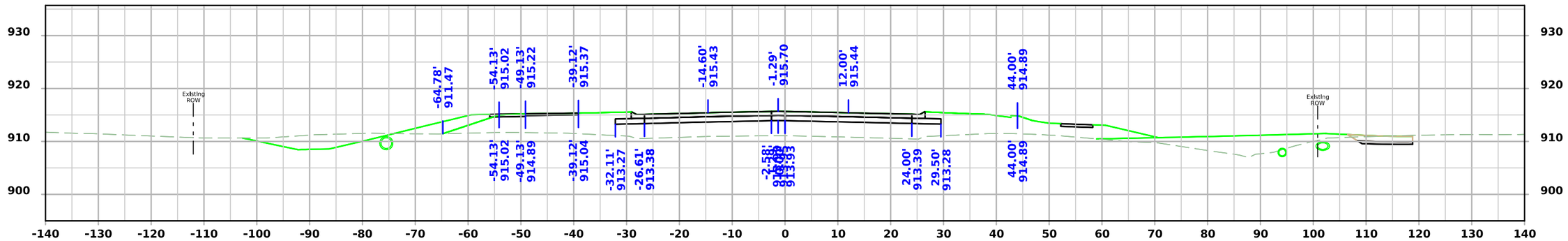
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER X.16

8:53:08 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\X01_Greenhill_07058097Z05.dgn

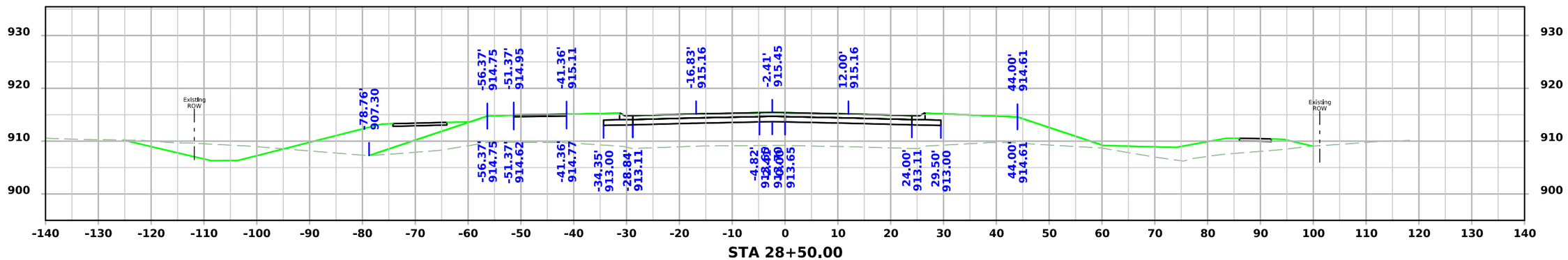
Greenhill Rd



STA 29+34.00



STA 29+00.00

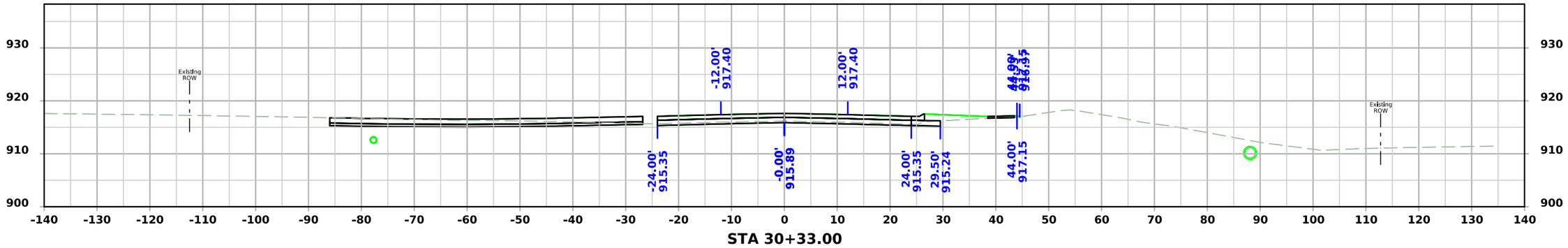


STA 28+50.00

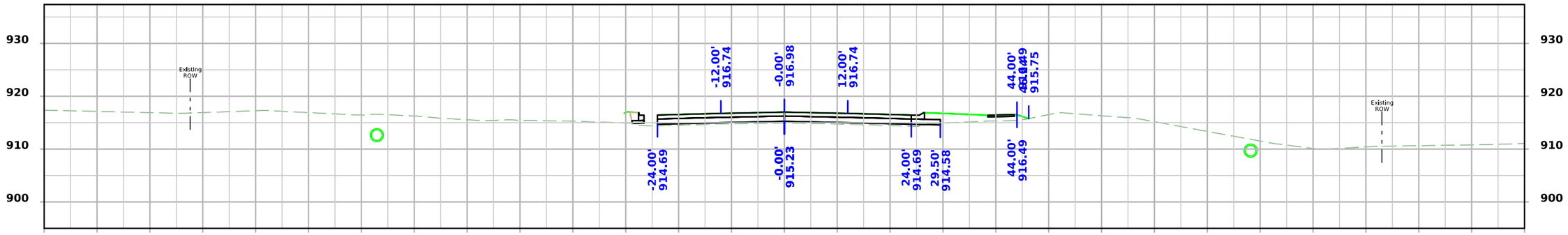
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER X.17

8:53:09 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\X01_Greenhill_07058097Z05.dgn

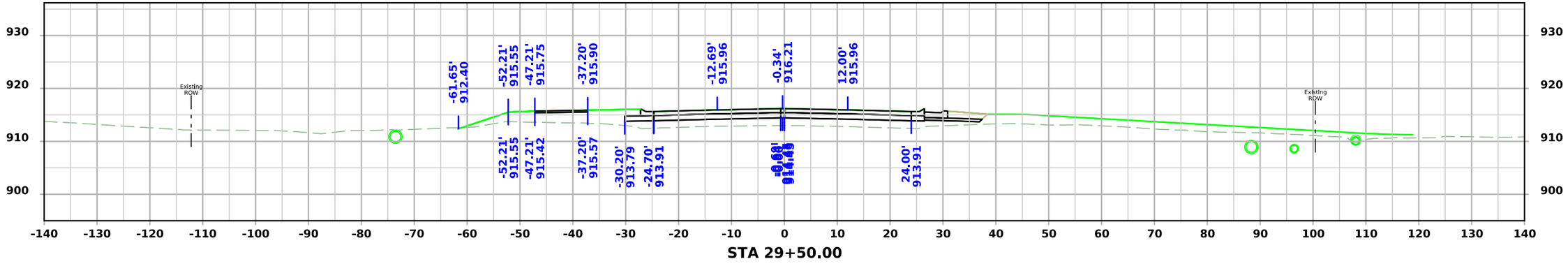
Greenhill Rd



STA 30+33.00



STA 30+00.00

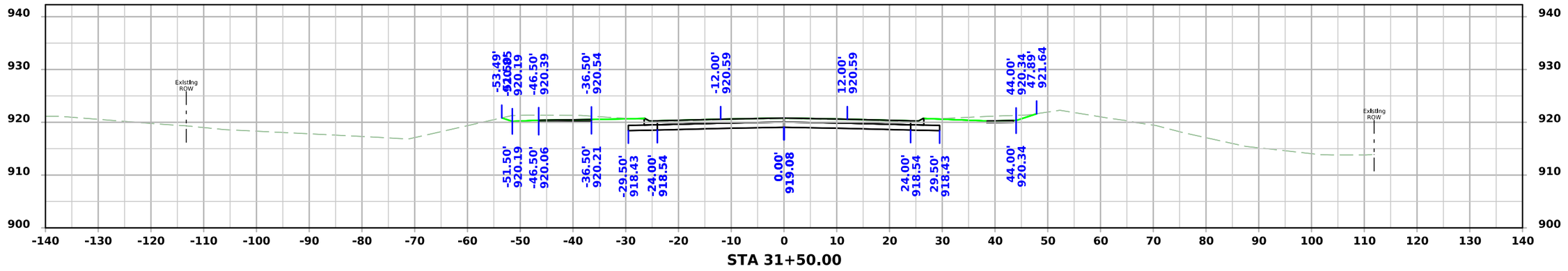


STA 29+50.00

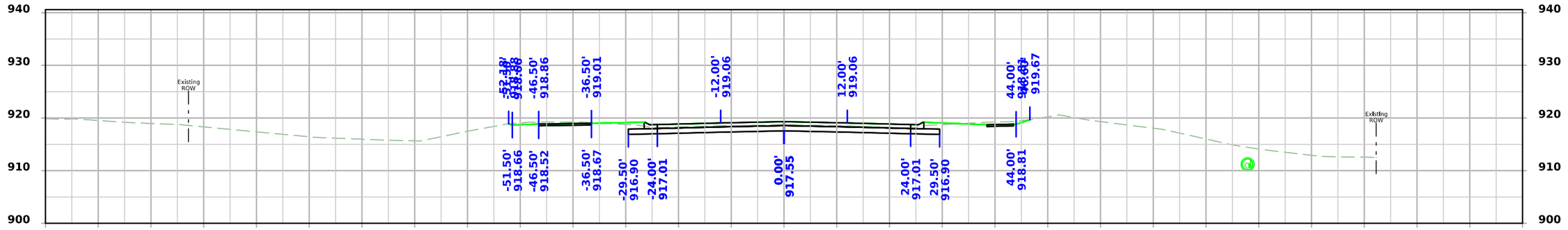
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER X.18

8:53:10 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\X01_Greenhill_07058097Z05.dgn

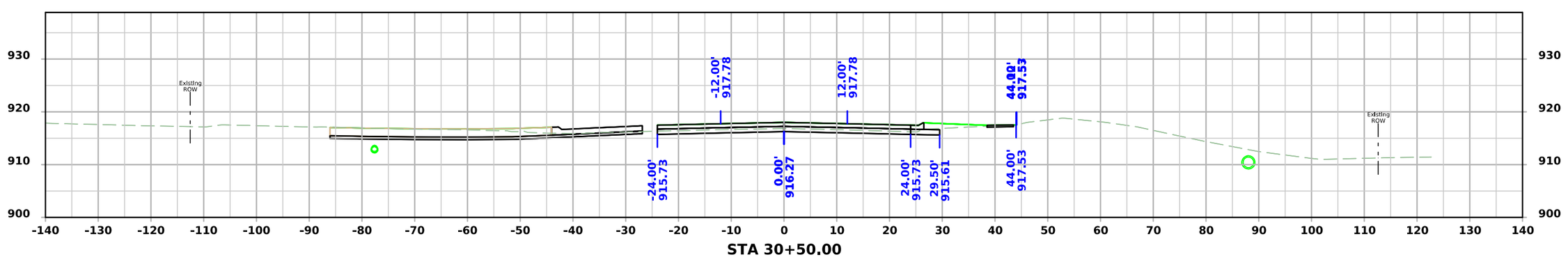
Greenhill Rd



STA 31+50.00



STA 31+00.00

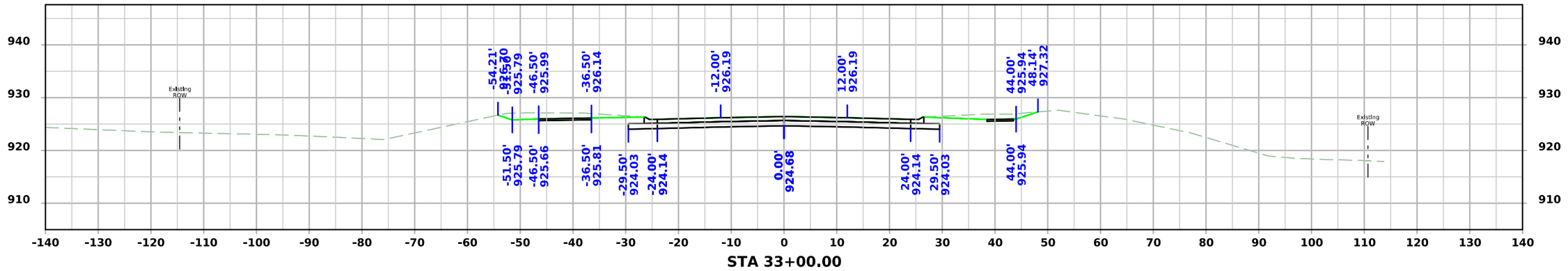


STA 30+50.00

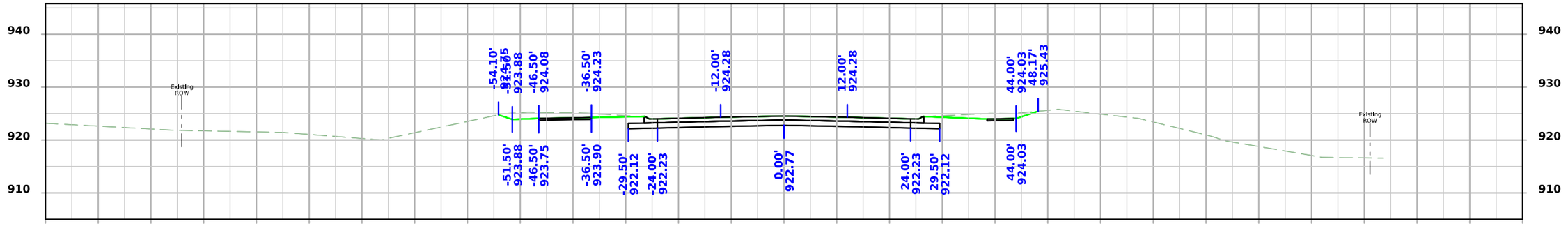
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER X.19

8:53:11 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\X01_Greenhill_07058097Z05.dgn

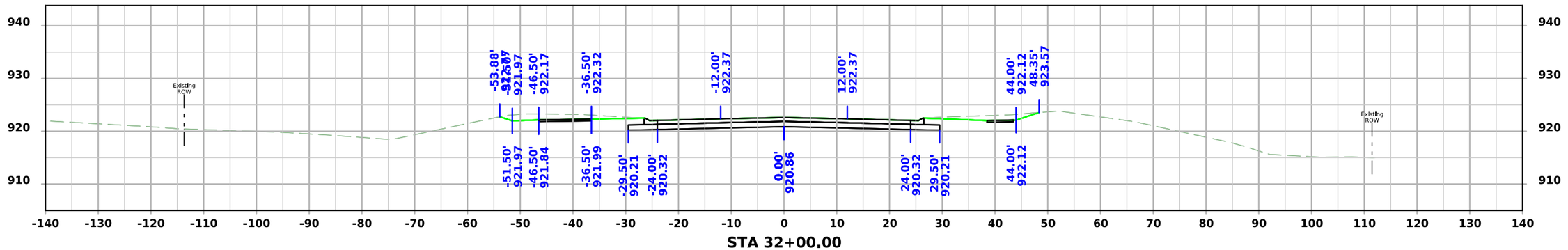
Greenhill Rd



STA 33+00.00



STA 32+50.00

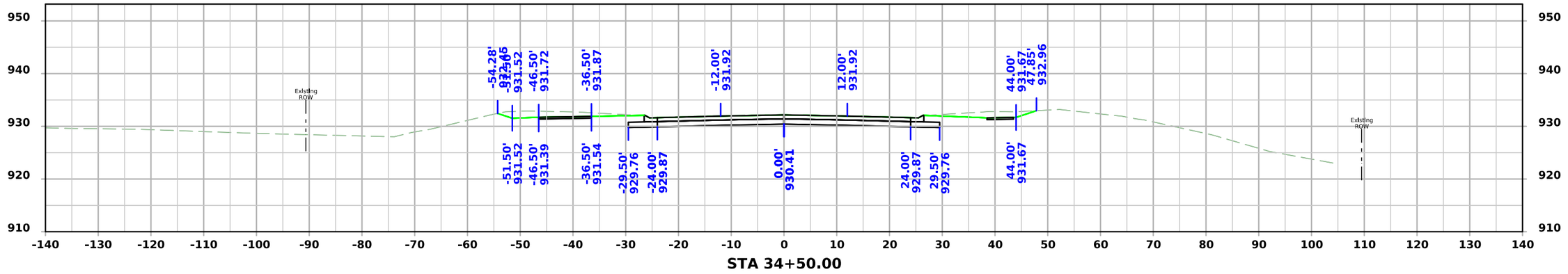


STA 32+00.00

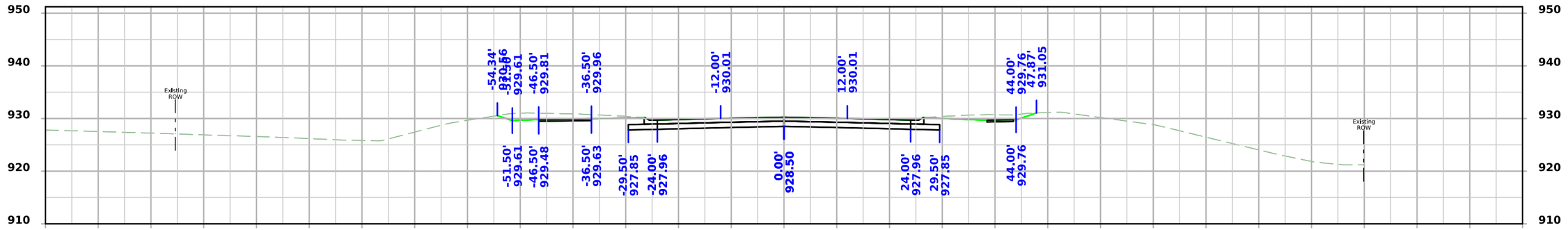
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER X.20

8:53:12 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\X01_Greenhill_07058097Z05.dgn

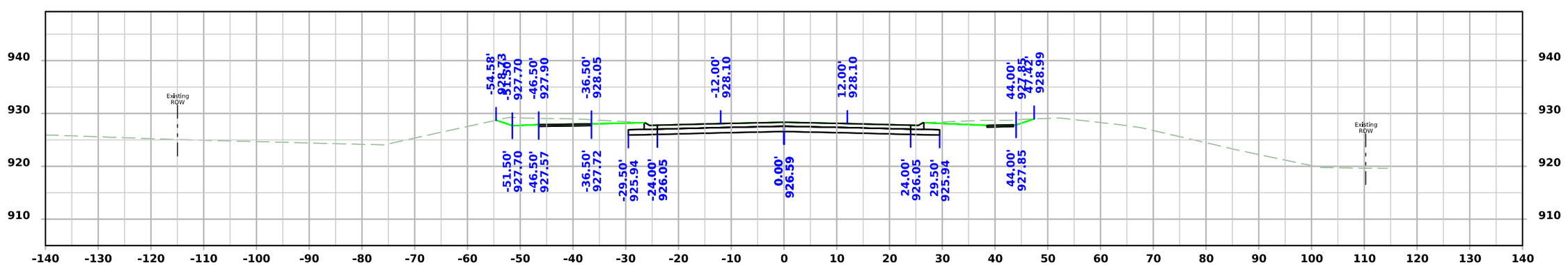
Greenhill Rd



STA 34+50.00



STA 34+00.00

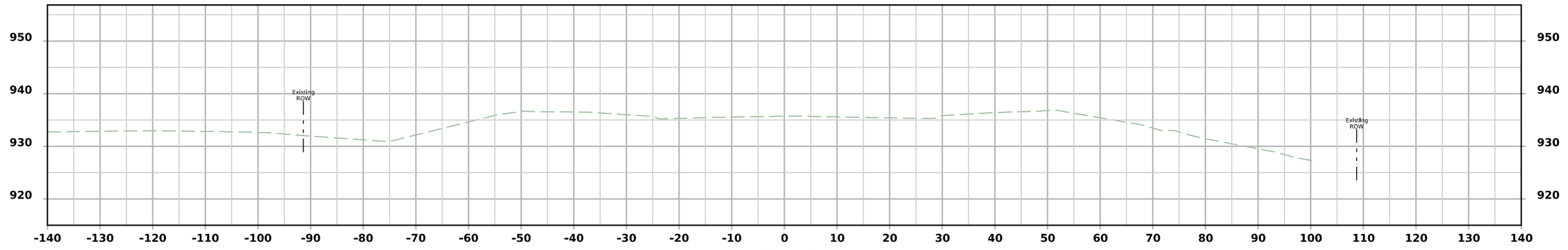


STA 33+50.00

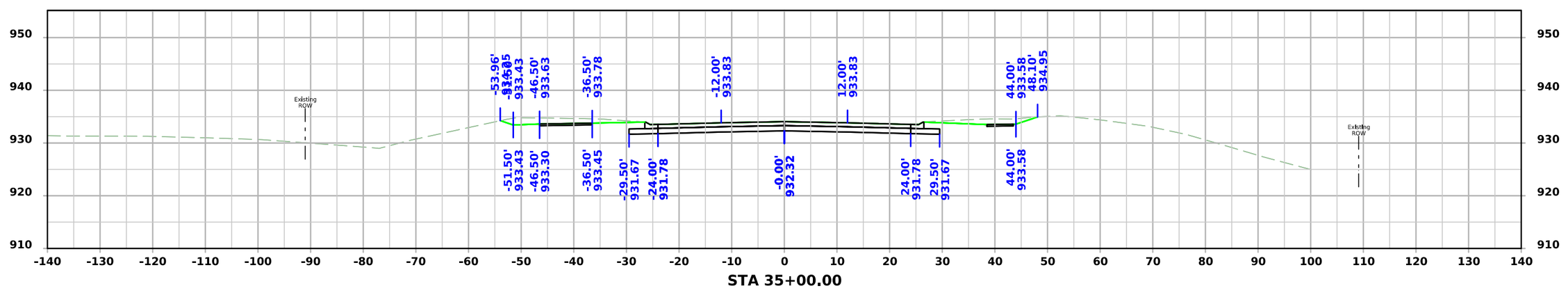
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER X.21

8:53:13 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\X01_Greenhill_07058097Z05.dgn

Greenhill Rd



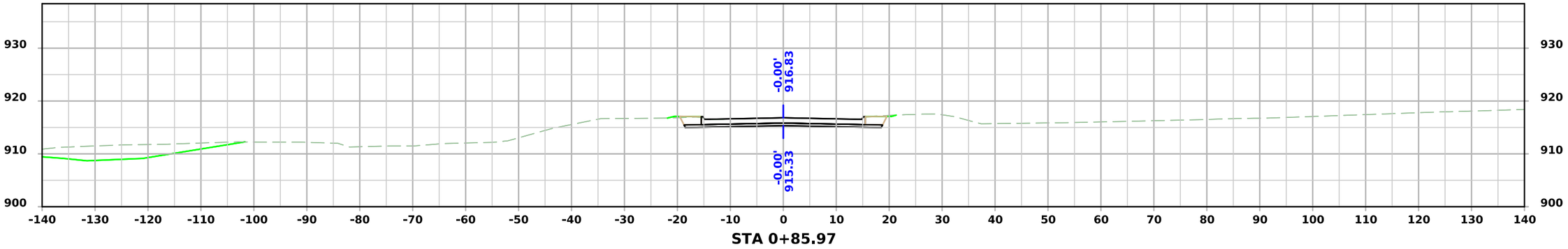
STA 35+50.00



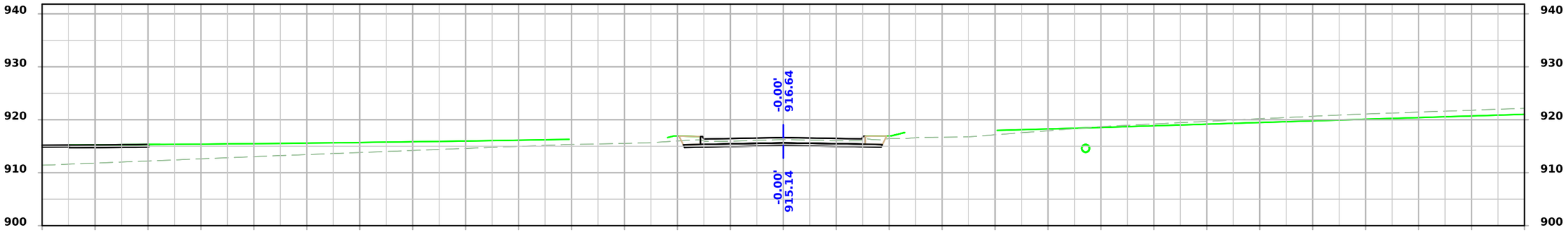
STA 35+00.00

FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER X.22

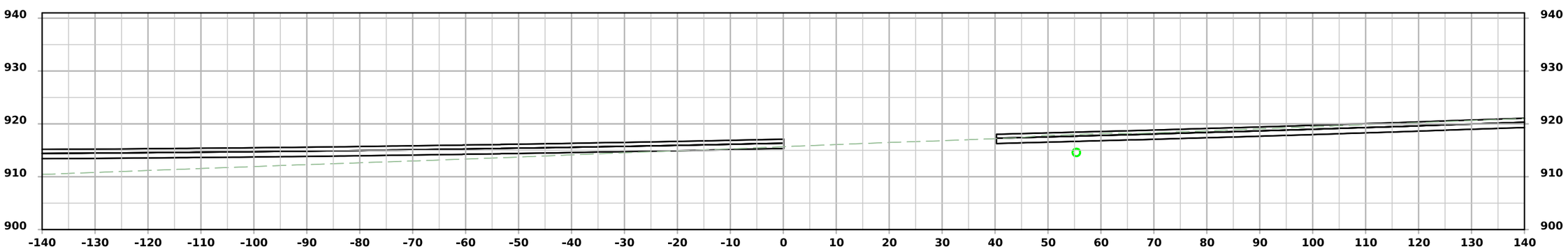
James Dr



STA 0+85.97



STA 0+50.00



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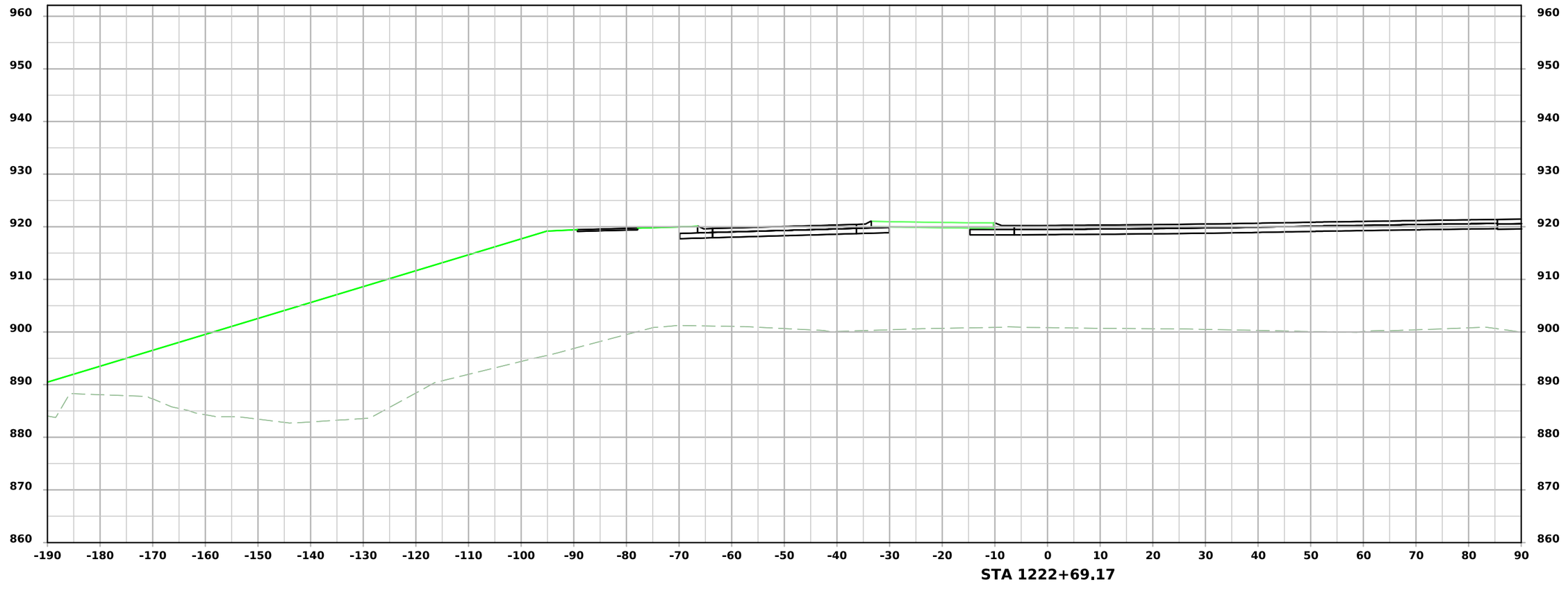
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER X.23

8:53:21 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\X01_James_07058097Z05.dgn

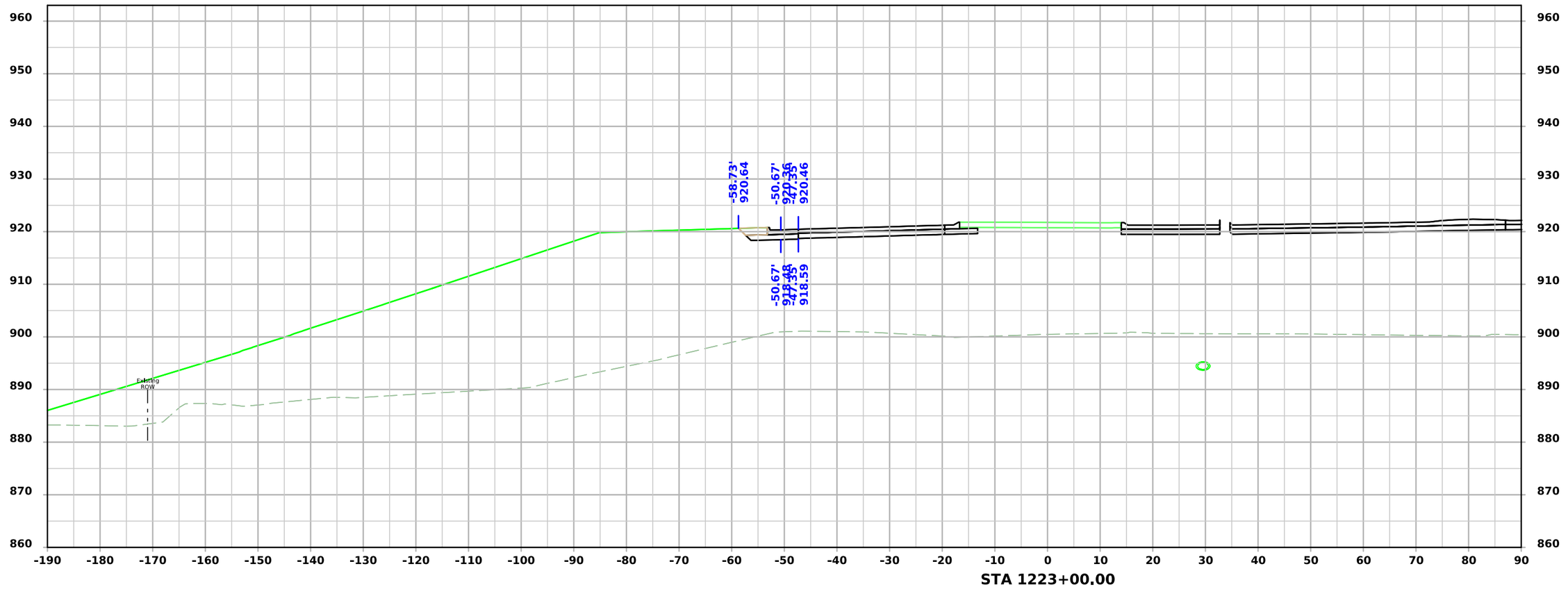
Ramp A



FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.1

8:48:40 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_A_07058097Z05.dgn

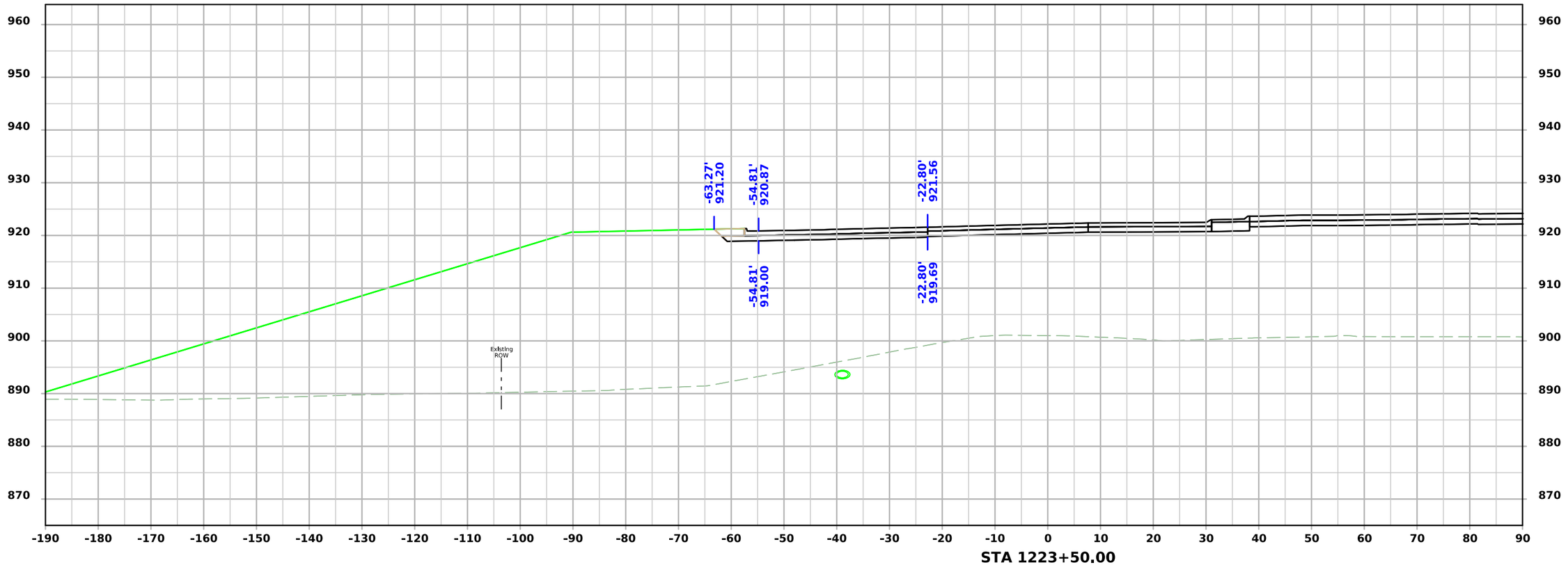
Ramp A



FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.2

8:48:42 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_A_07058097Z05.dgn

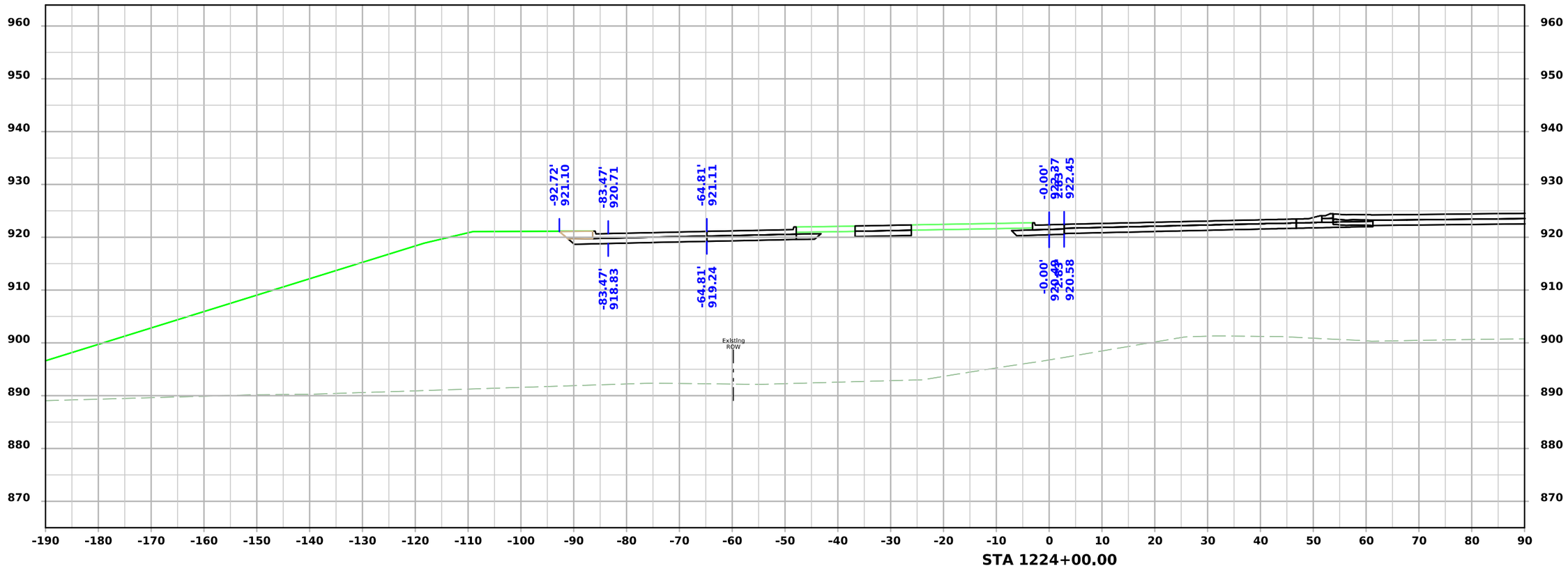
Ramp A



FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.3	

8:48:43 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_A_07058097Z05.dgn

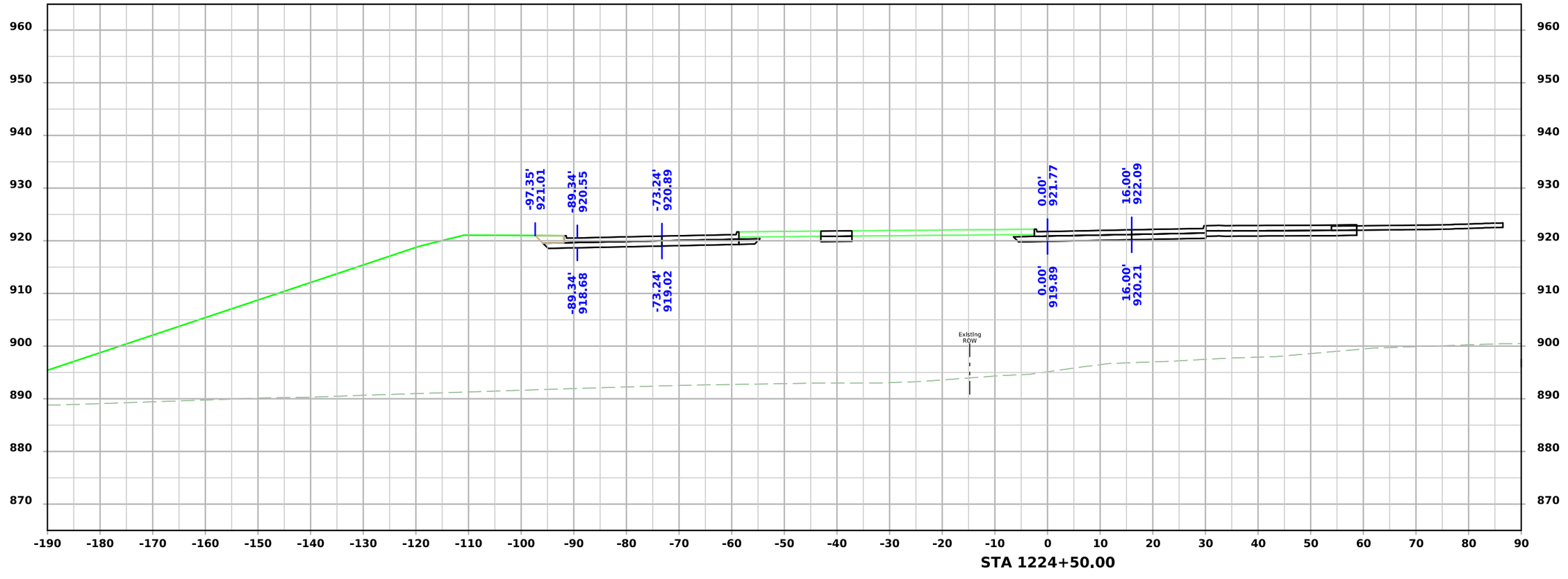
Ramp A



FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.4

8:48:44 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_A_07058097Z05.dgn

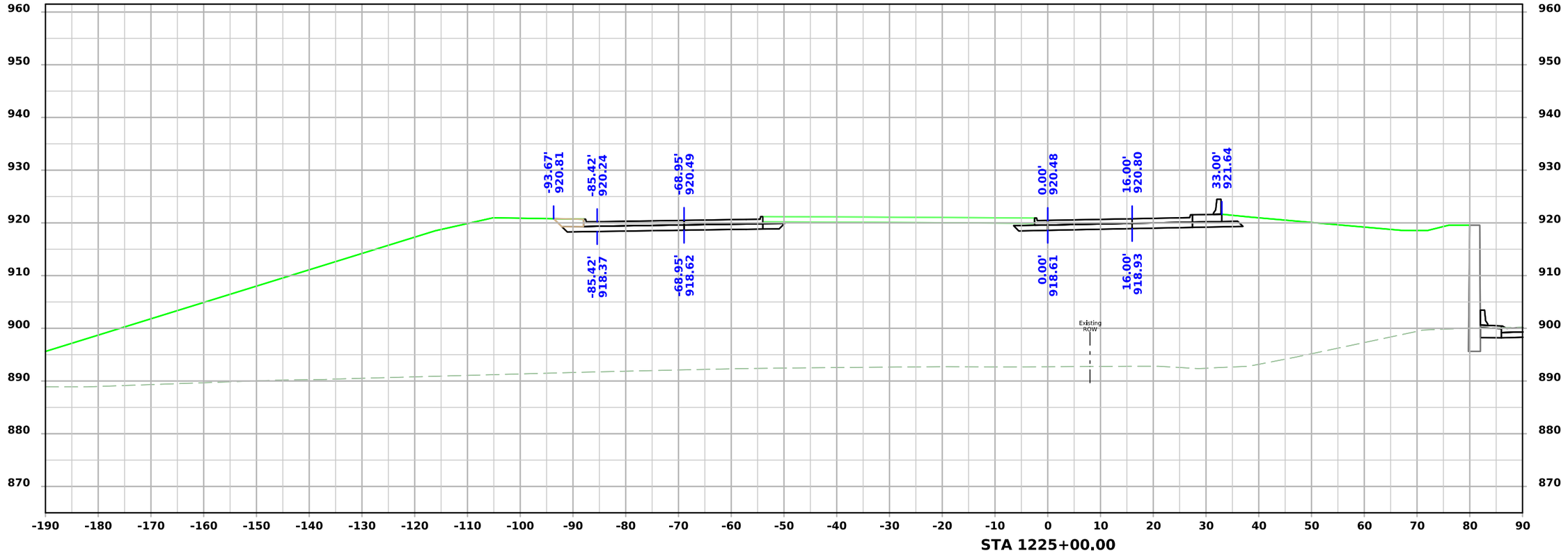
Ramp A



FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.5	

8:48:45 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_A_07058097Z05.dgn

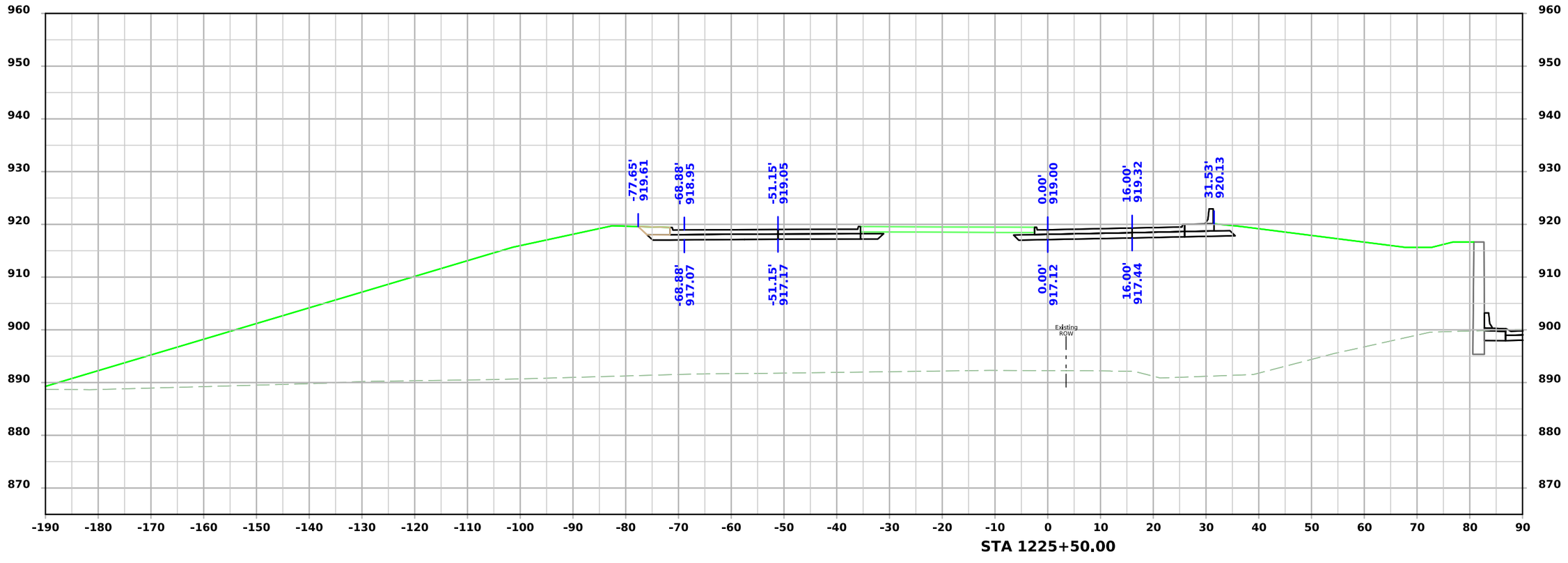
Ramp A



FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.6

8:48:46 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_A_07058097Z05.dgn

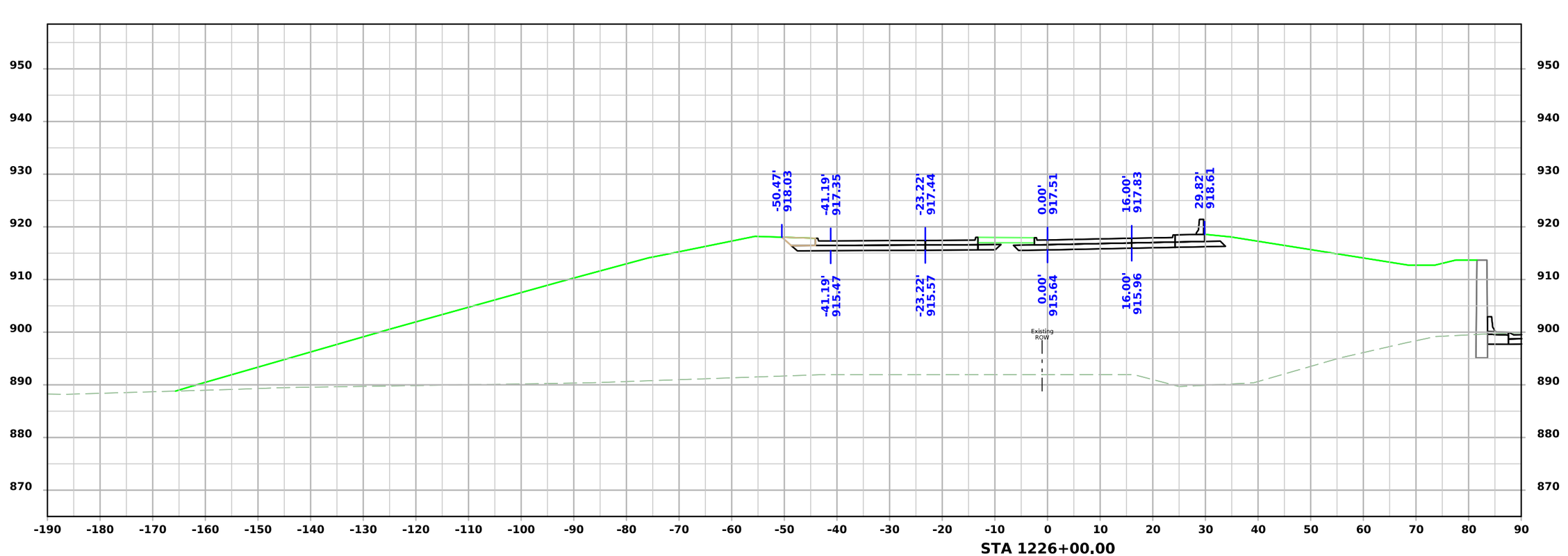
Ramp A



FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.7

8:48:46 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_A_07058097Z05.dgn

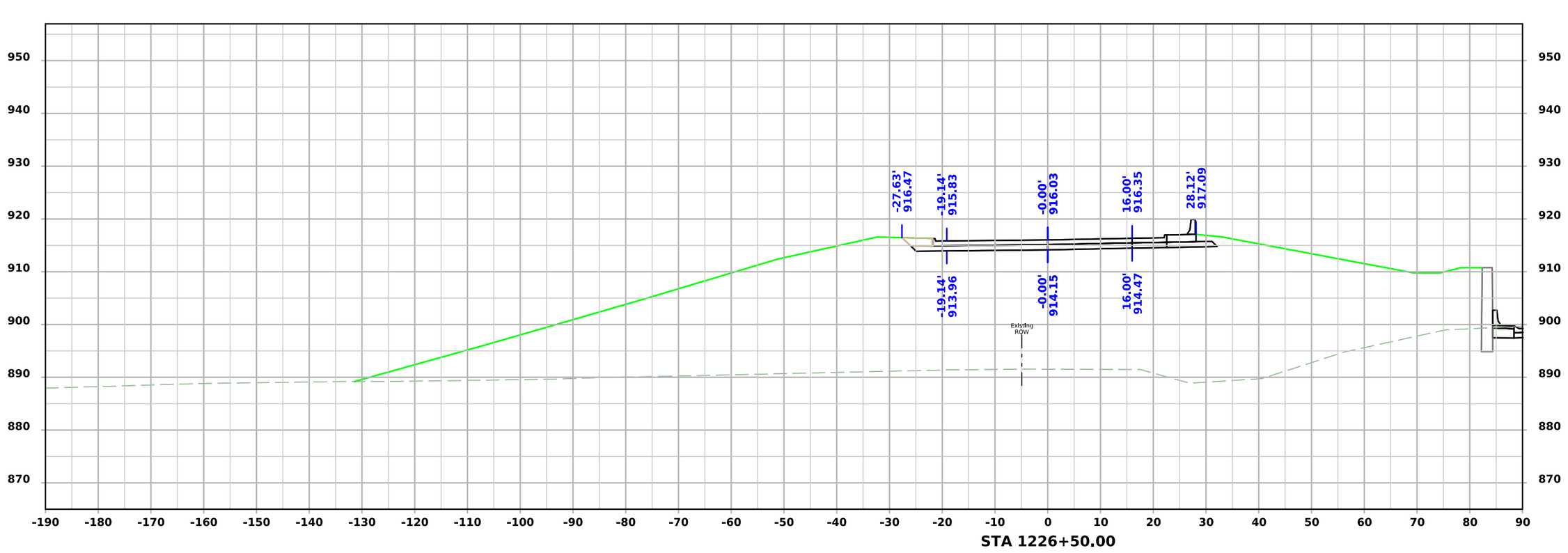
Ramp A



FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.8

8:48:47 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_A_07058097Z05.dgn

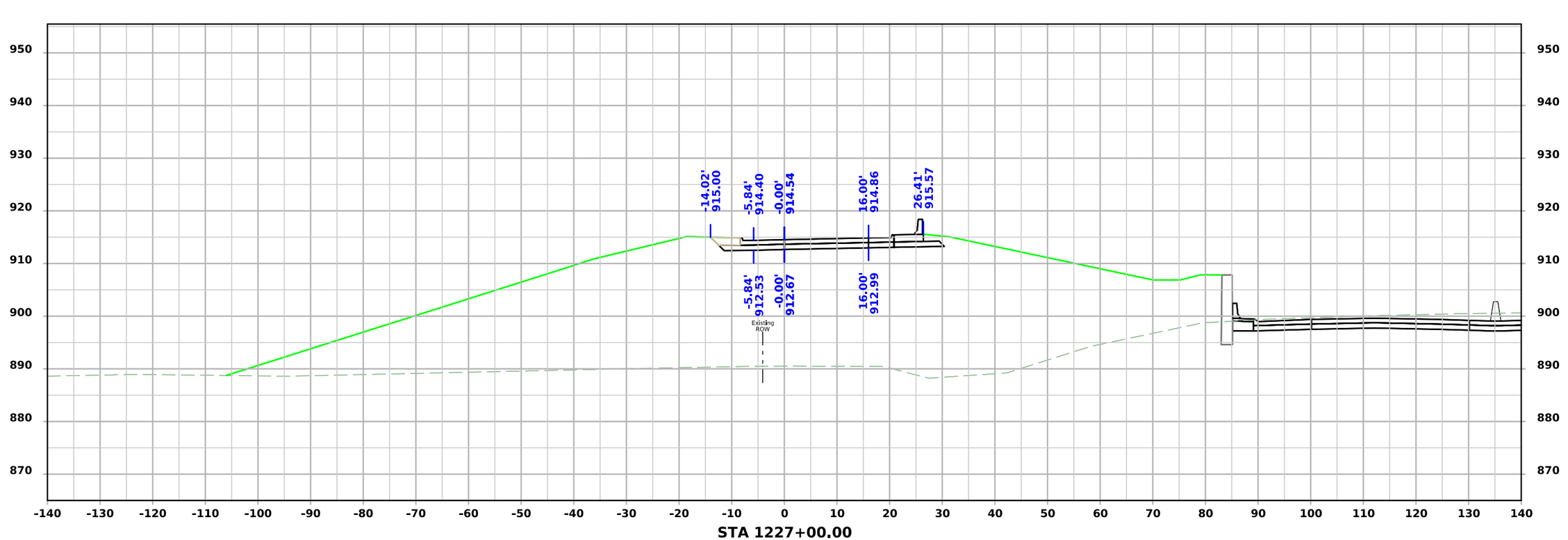
Ramp A



FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.9

8:48:48 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_A_07058097Z05.dgn

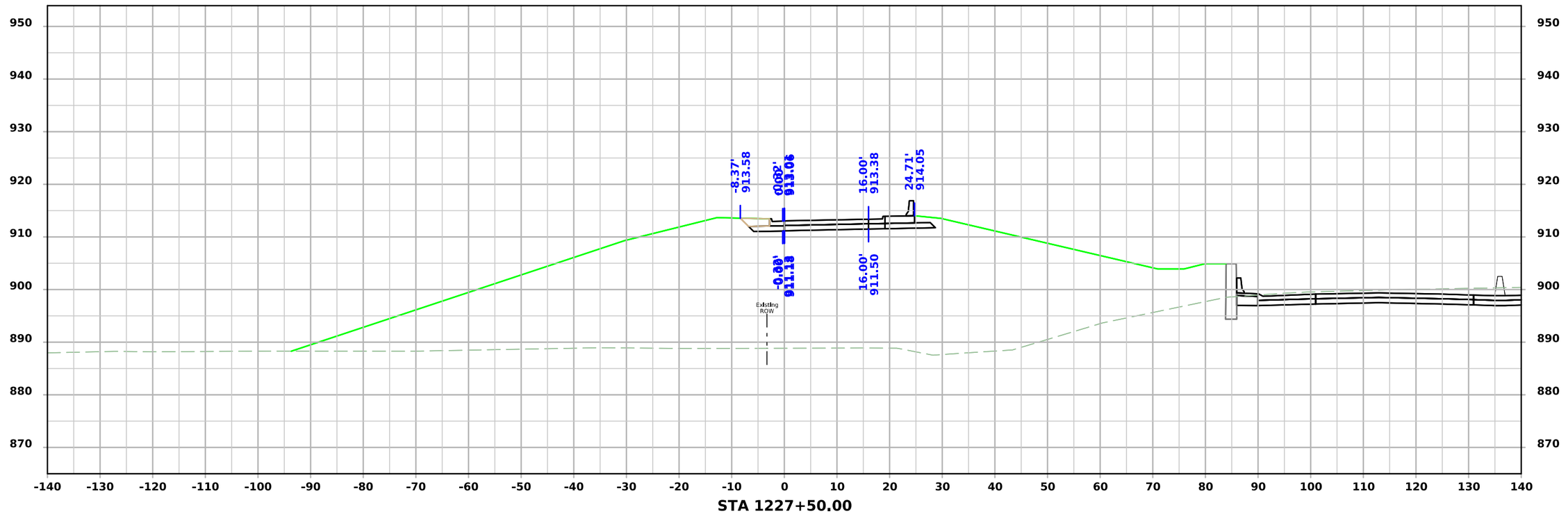
Ramp A



FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.10

8:48:49 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_A_07058097Z05.dgn

Ramp A

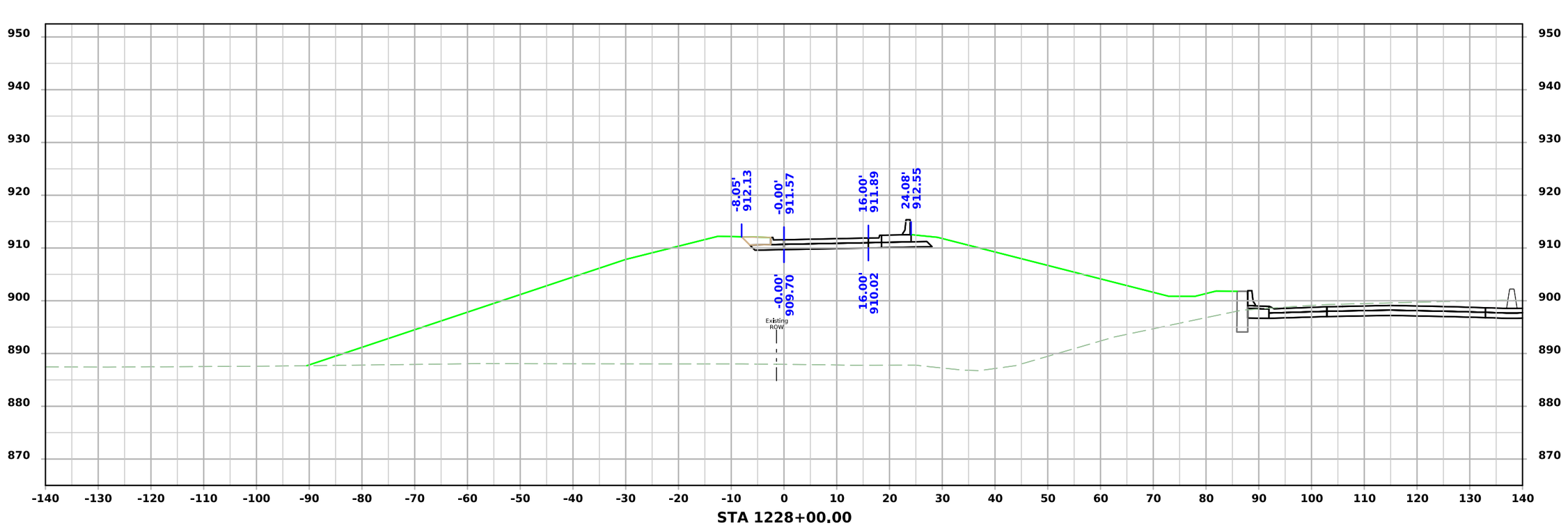


STA 1227+50.00

FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.11

8:48:50 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_A_07058097Z05.dgn

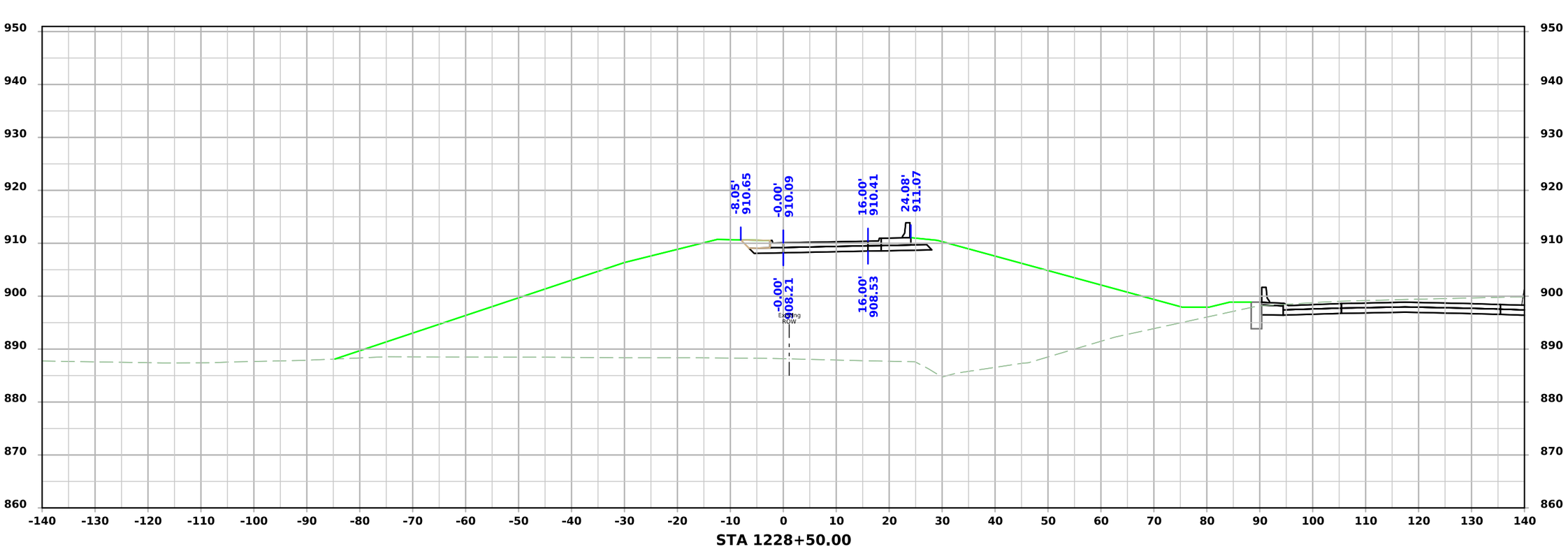
Ramp A



FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.12

8:48:50 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_A_07058097Z05.dgn

Ramp A

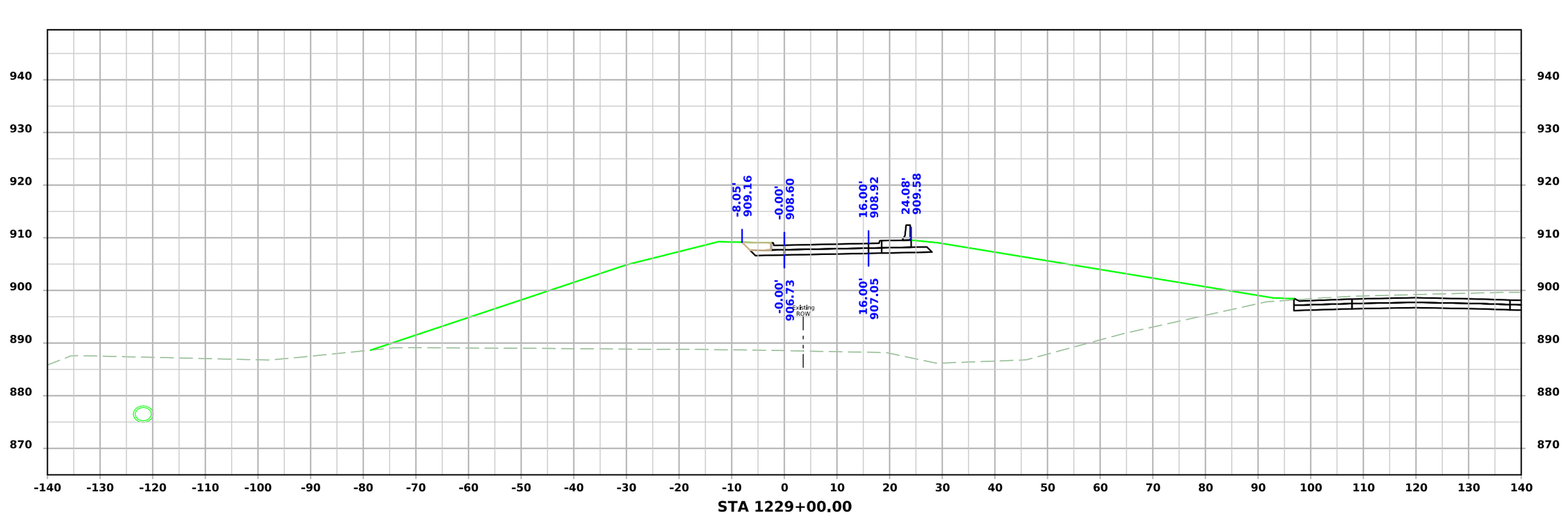


STA 1228+50.00

FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.13

8:48:51 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_A_07058097Z05.dgn

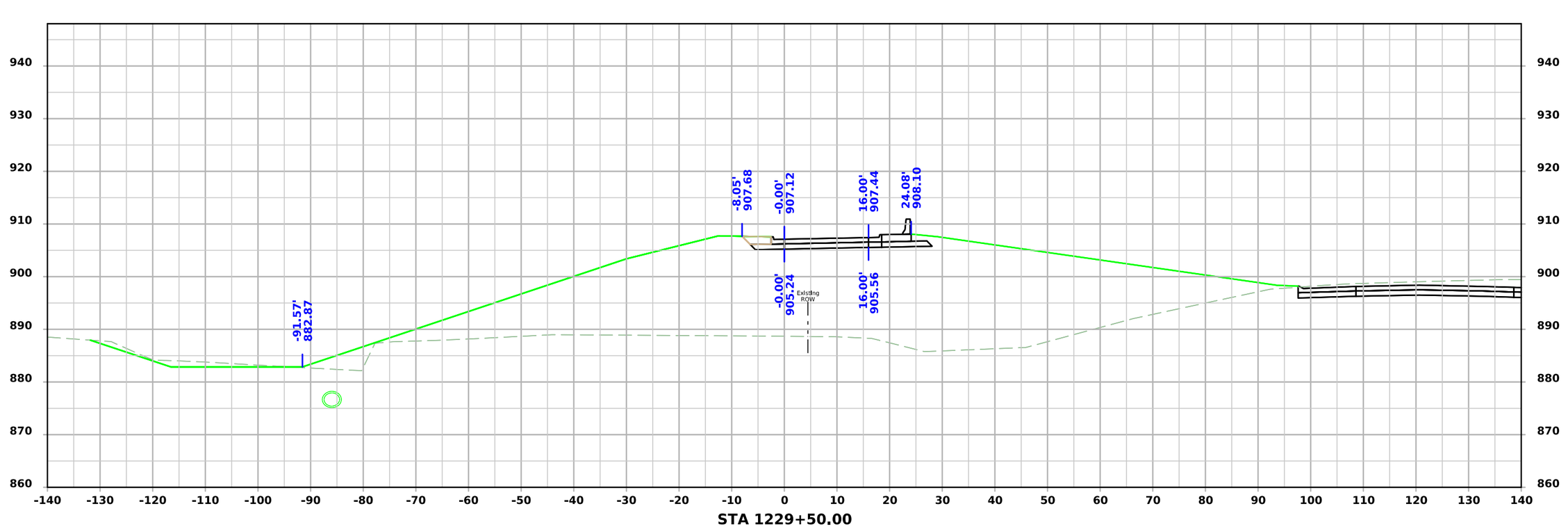
Ramp A



FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.14

8:48:52 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_A_07058097Z05.dgn

Ramp A



FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.15

8:48:52 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_A_07058097Z05.dgn

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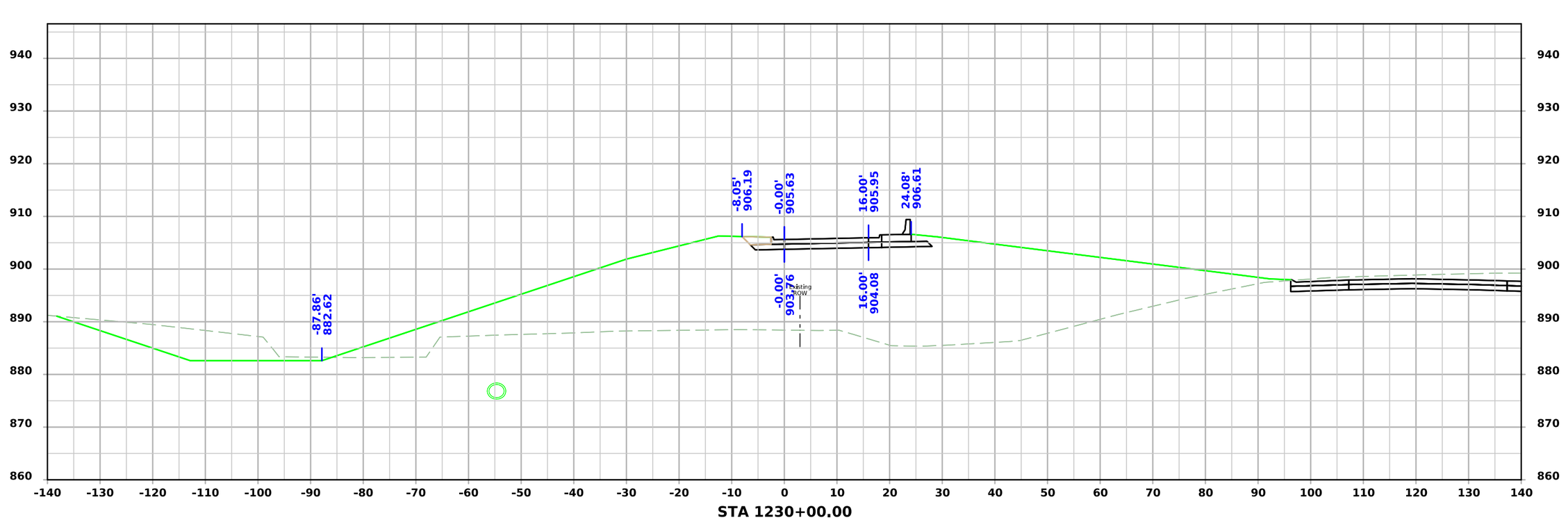
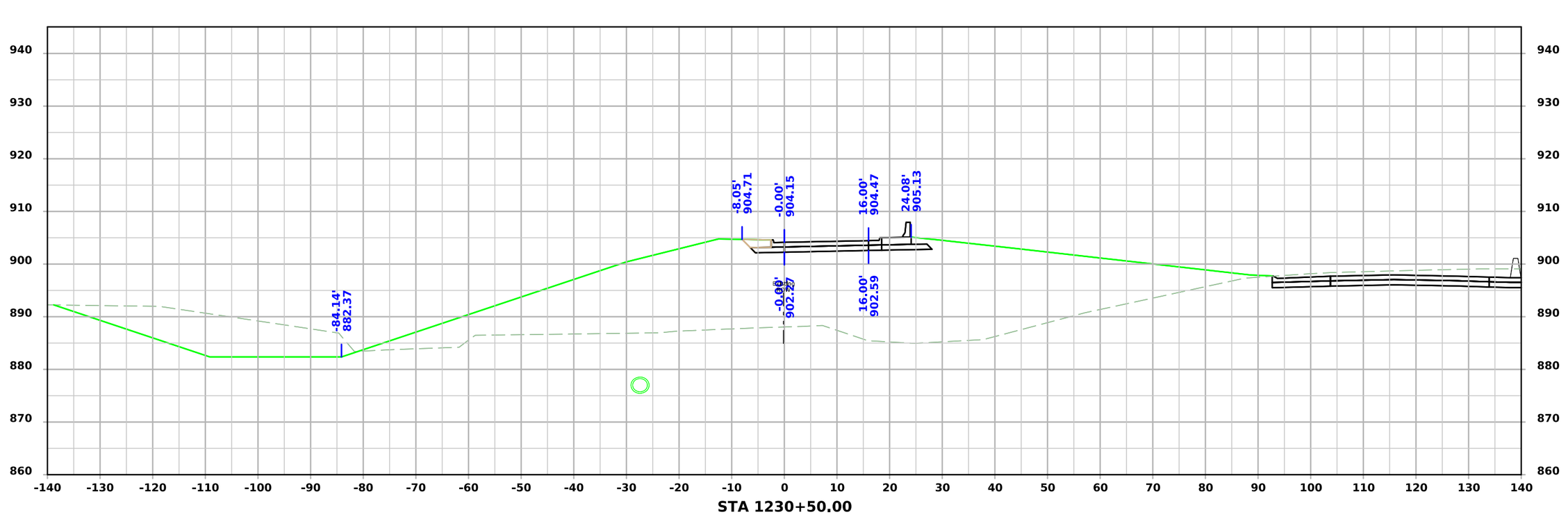


FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.16

8:48:53 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_A_07058097Z05.dgn

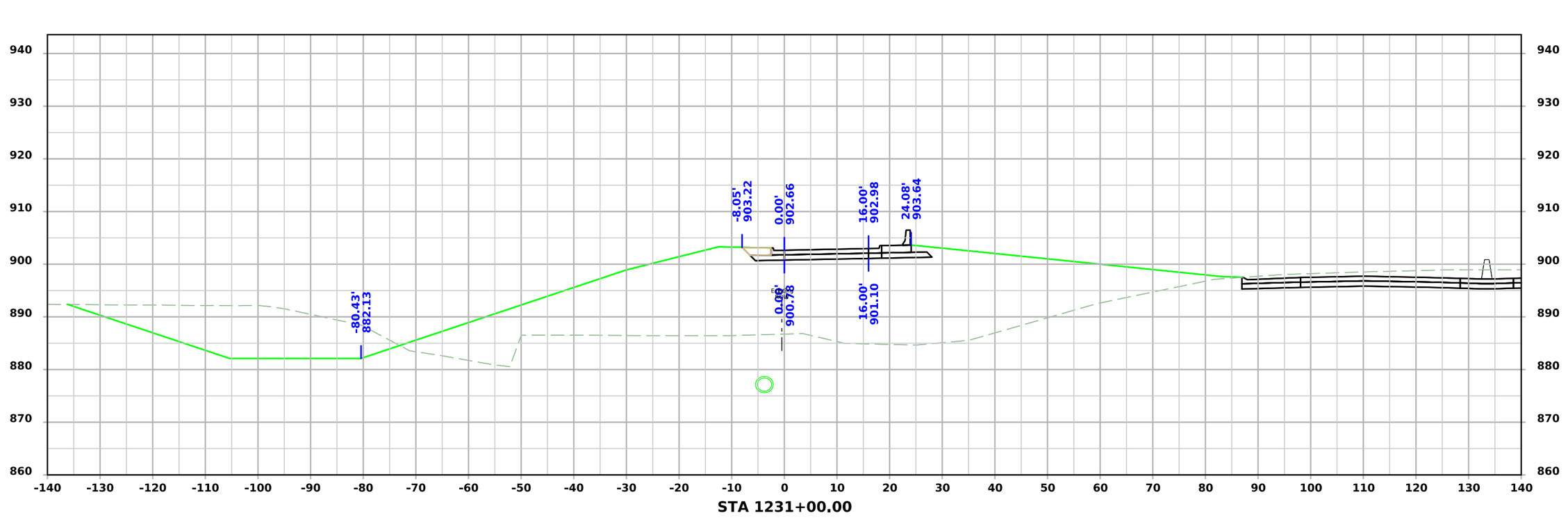
Ramp A



FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.17

8:48:54 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_A_07058097Z05.dgn

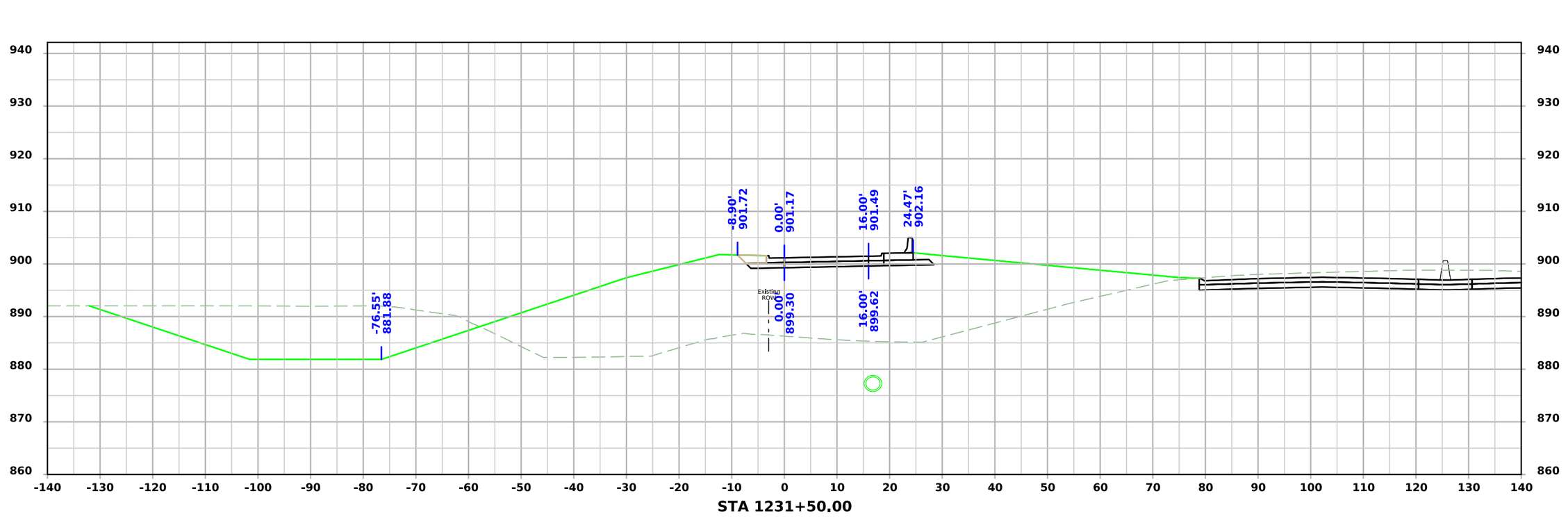
Ramp A



FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.18

8:48:55 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\GreenhIll_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_A_07058097Z05.dgn

Ramp A



FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.19

8:48:55 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_A_07058097Z05.dgn

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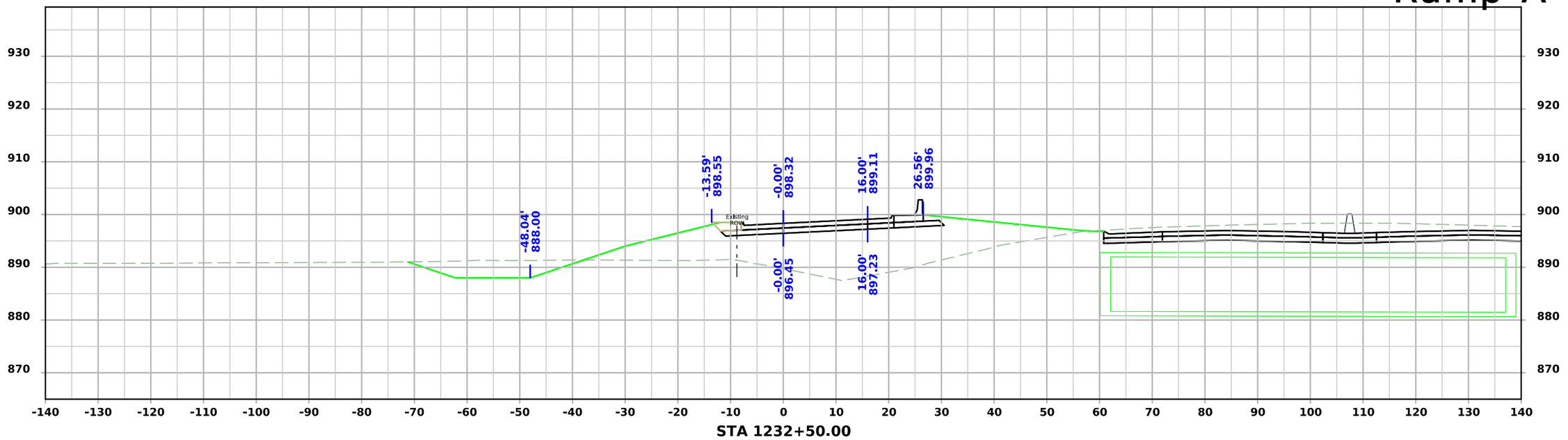
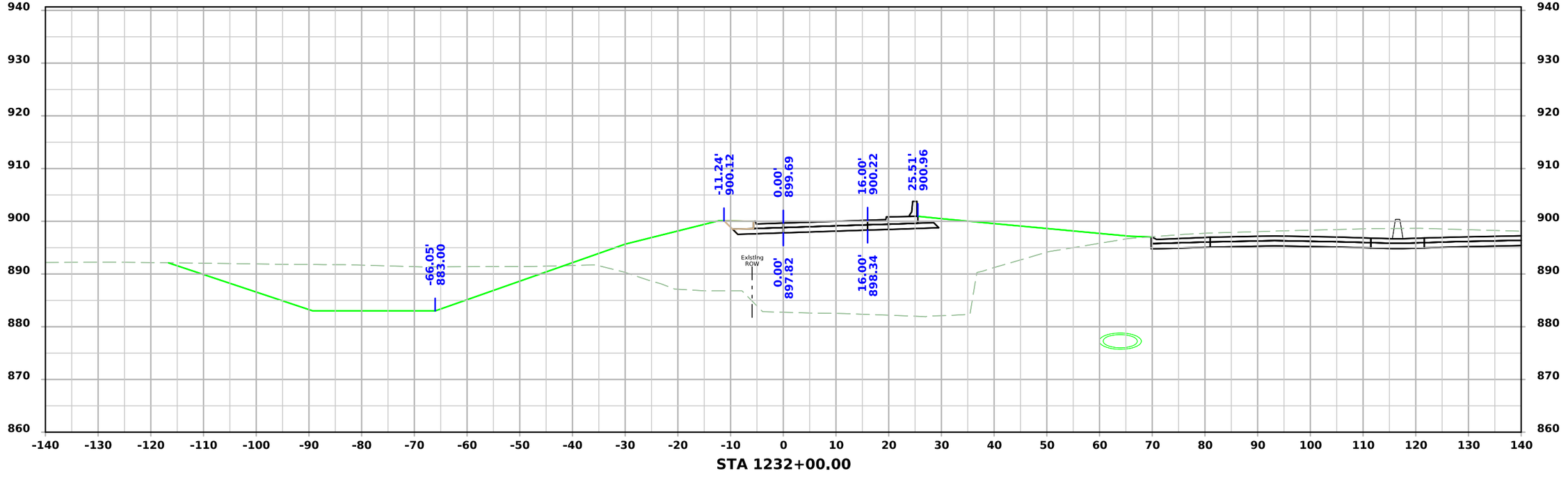


STA 1232+50.00



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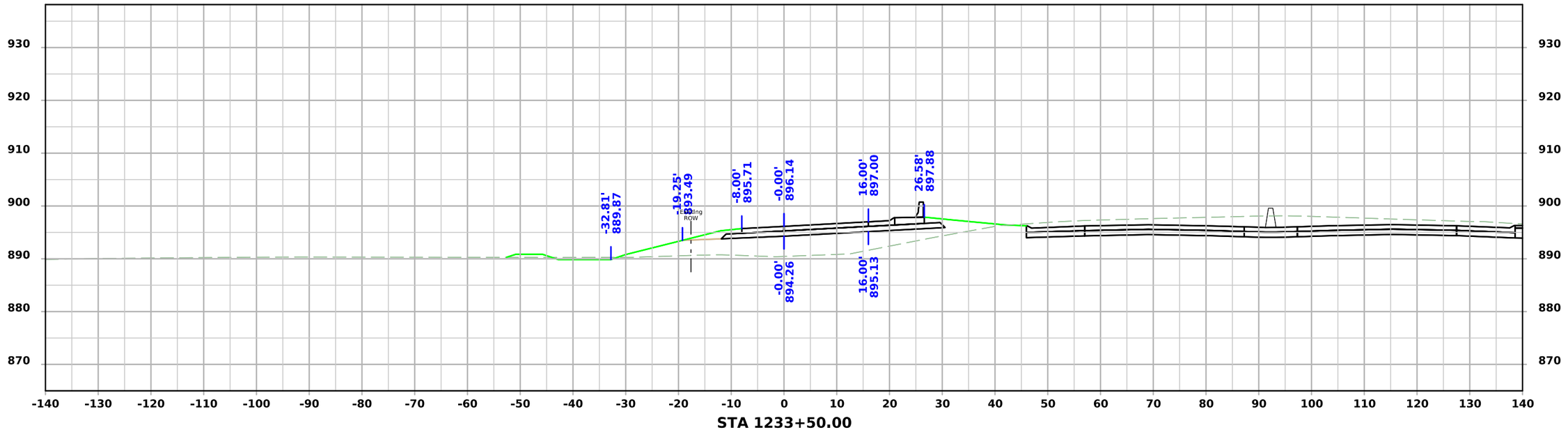
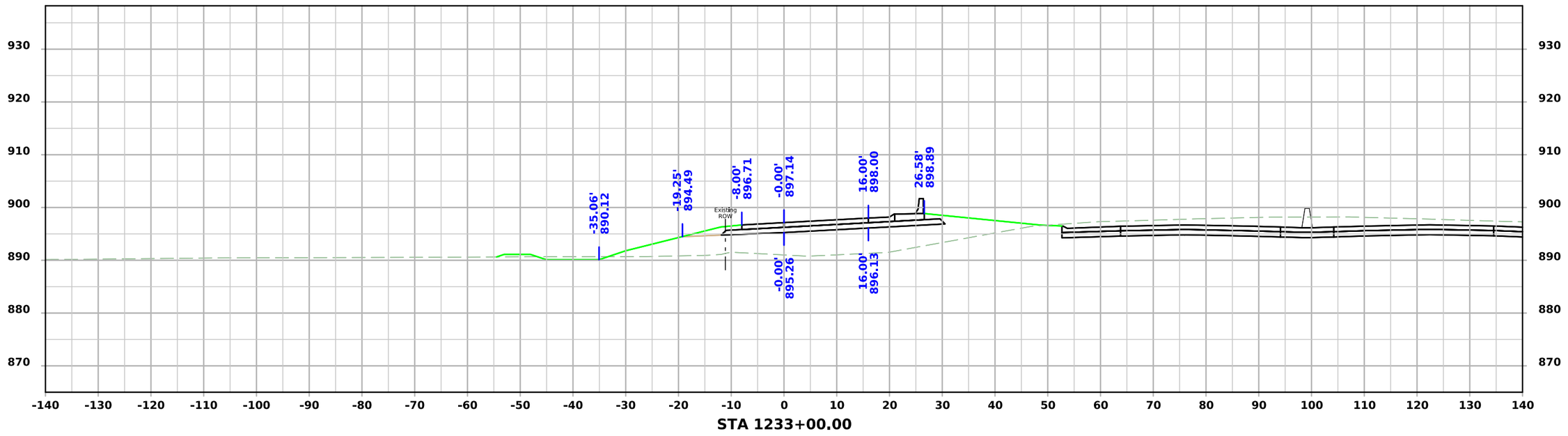
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.20

8:48:56 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_A_07058097Z05.dgn

Ramp A



STA 1233+50.00

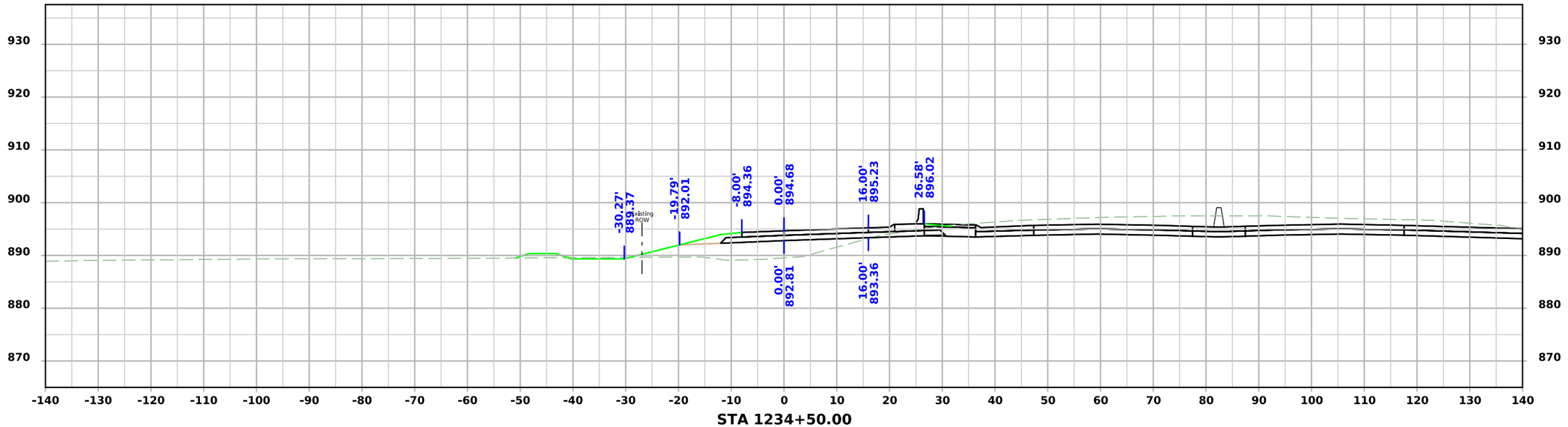


STA 1233+00.00

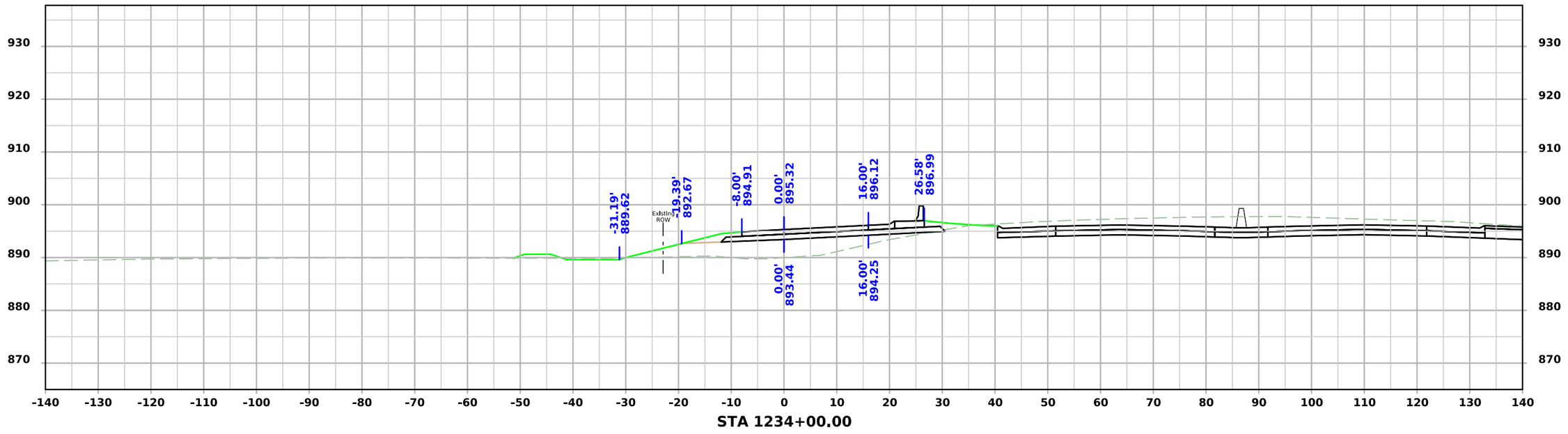
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.21

8:48:57 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_A_07058097Z05.dgn

Ramp A



STA 1234+50.00

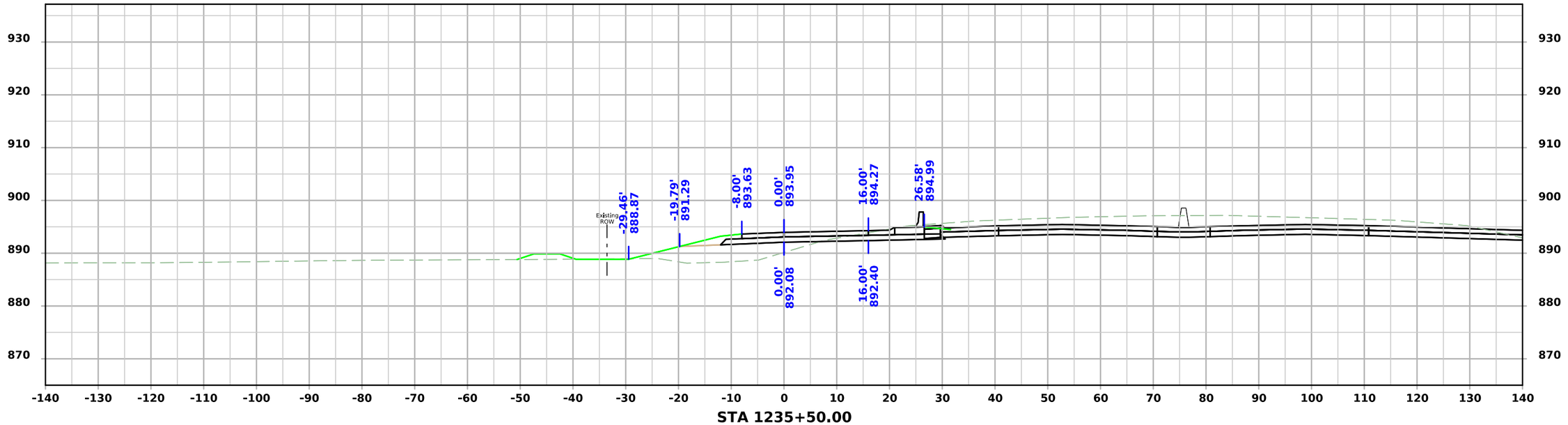


STA 1234+00.00

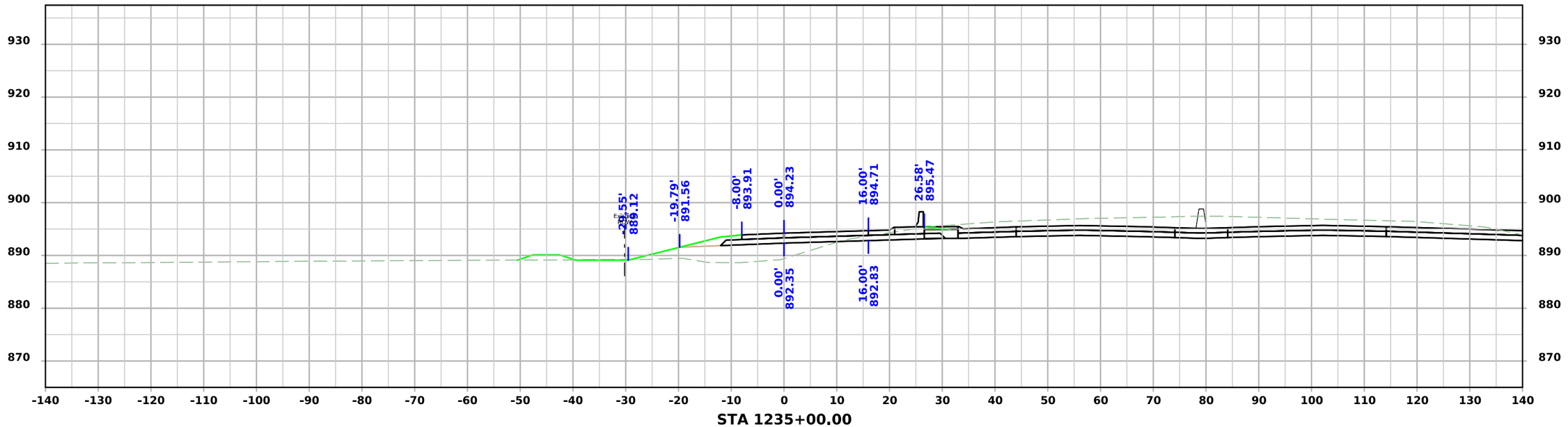
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.22

8:48:58 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_A_07058097Z05.dgn

Ramp A



STA 1235+50.00

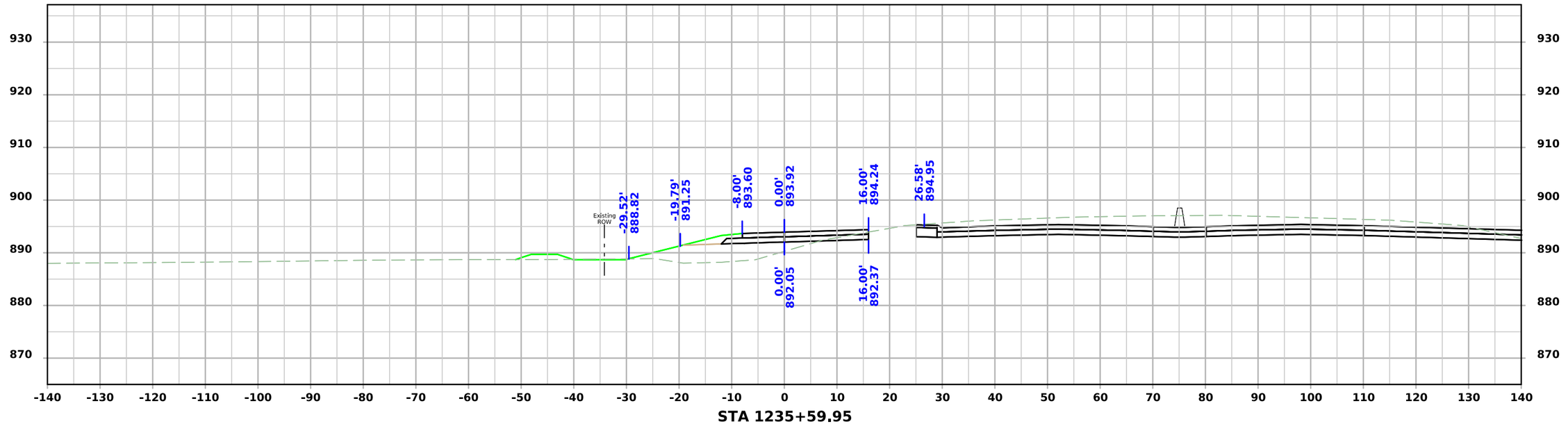


STA 1235+00.00

FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.23

8:48:59 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_A_07058097Z05.dgn

Ramp A

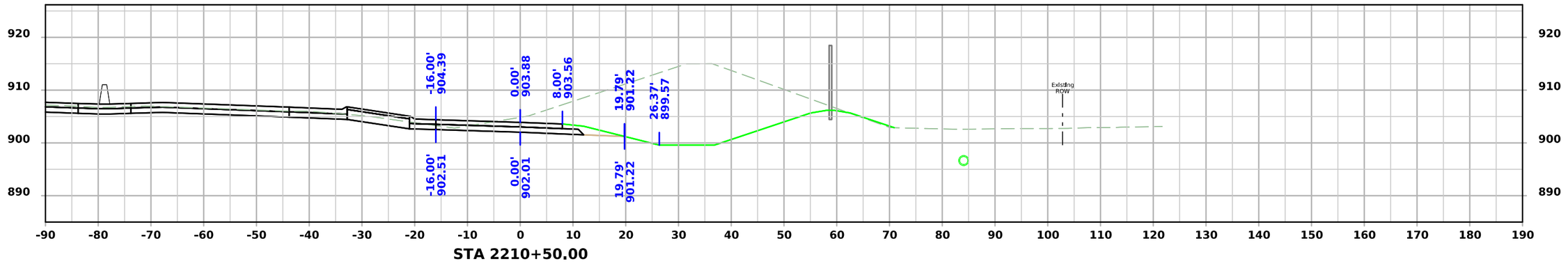


STA 1235+59.95

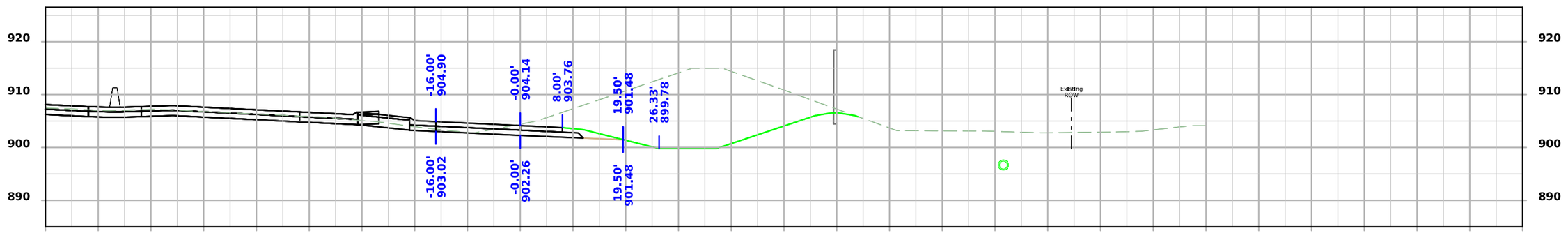
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.24

8:49:00 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\GreenhiIl_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_A_07058097Z05.dgn

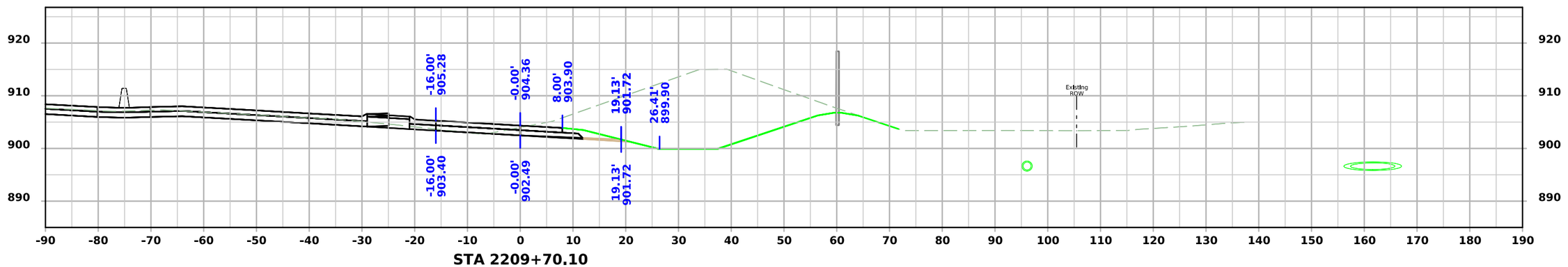
Ramp B



STA 2210+50.00



STA 2210+00.00

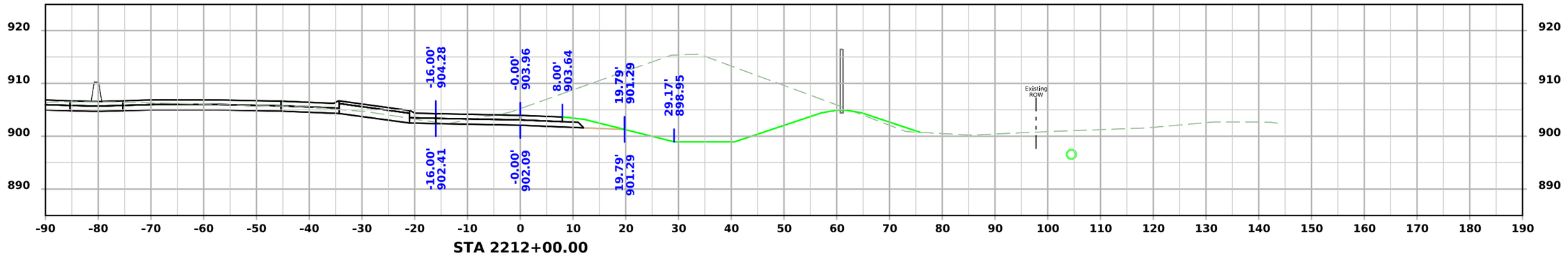


STA 2209+70.10

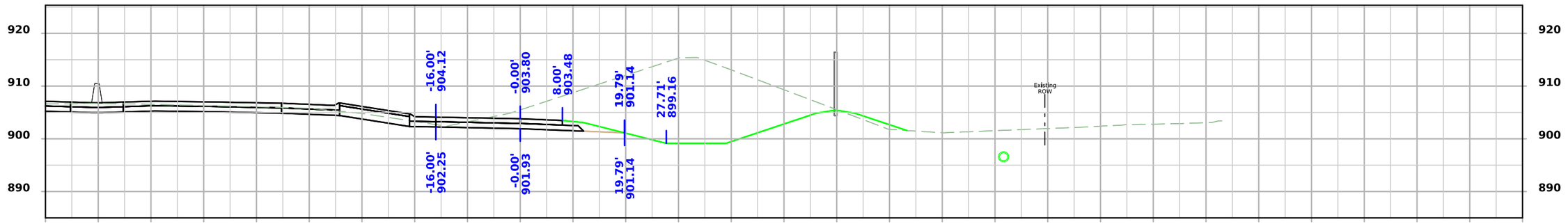
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.25

8:49:09 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_B_07058097Z05.dgn

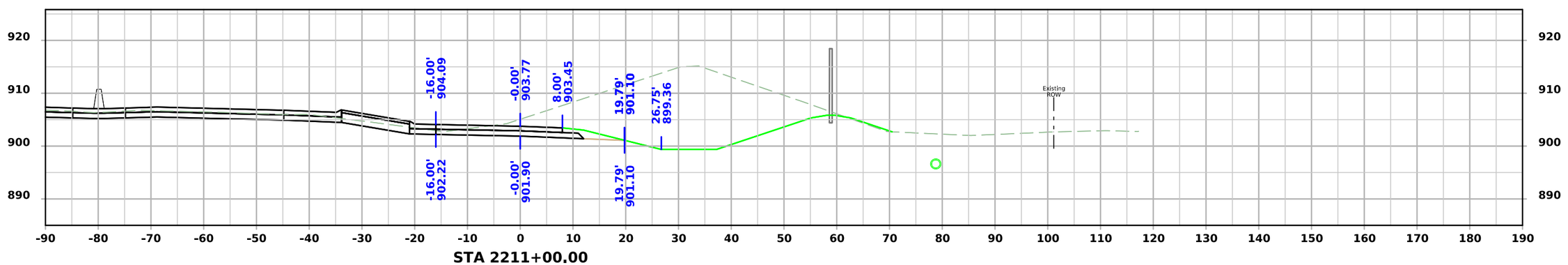
Ramp B



STA 2212+00.00



STA 2211+50.00

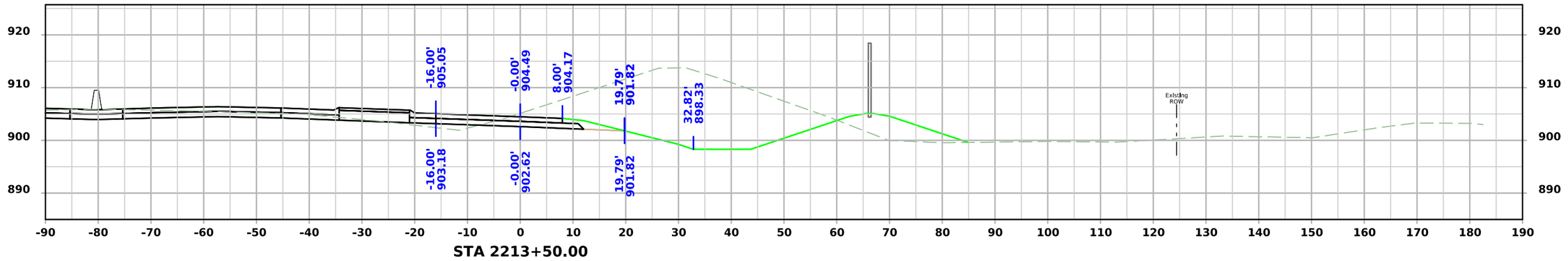


STA 2211+00.00

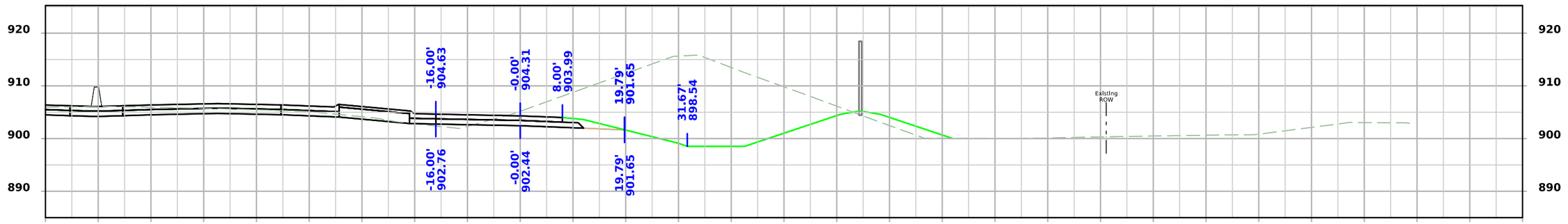
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.26

8:49:10 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_B_07058097Z05.dgn

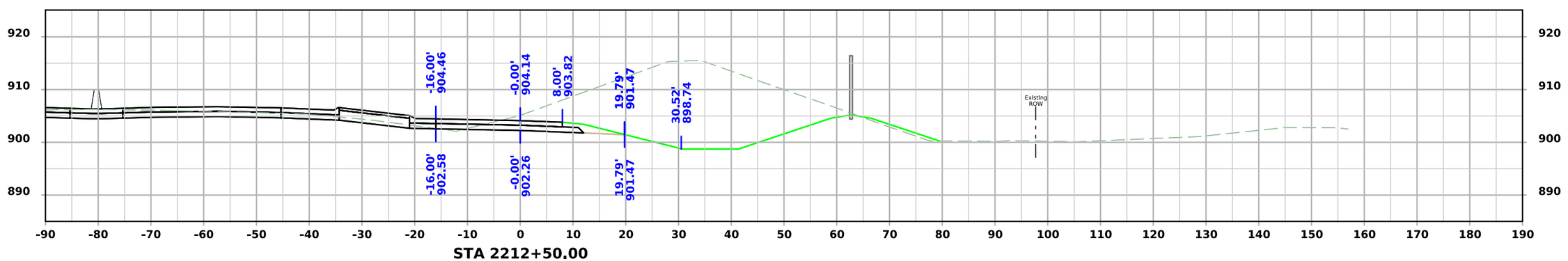
Ramp B



STA 2213+50.00



STA 2213+00.00

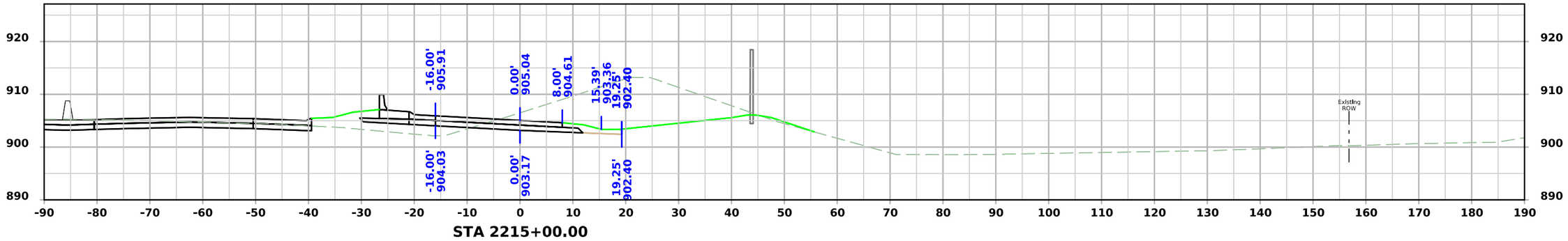


STA 2212+50.00

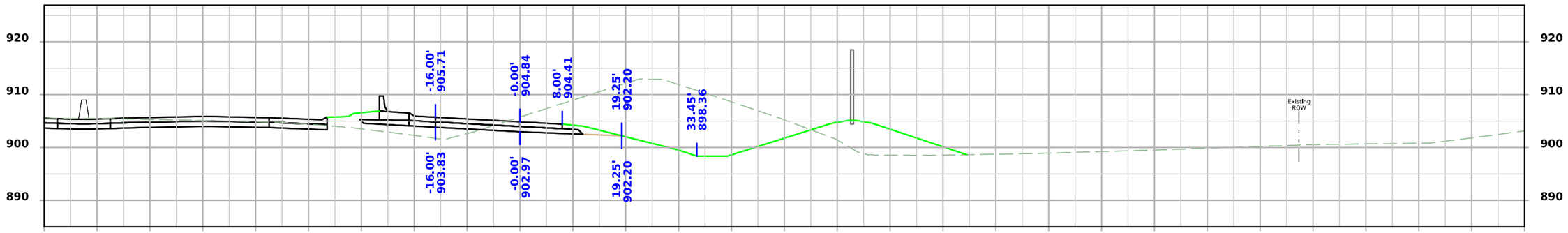
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.27

8:49:12 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_B_07058097Z05.dgn

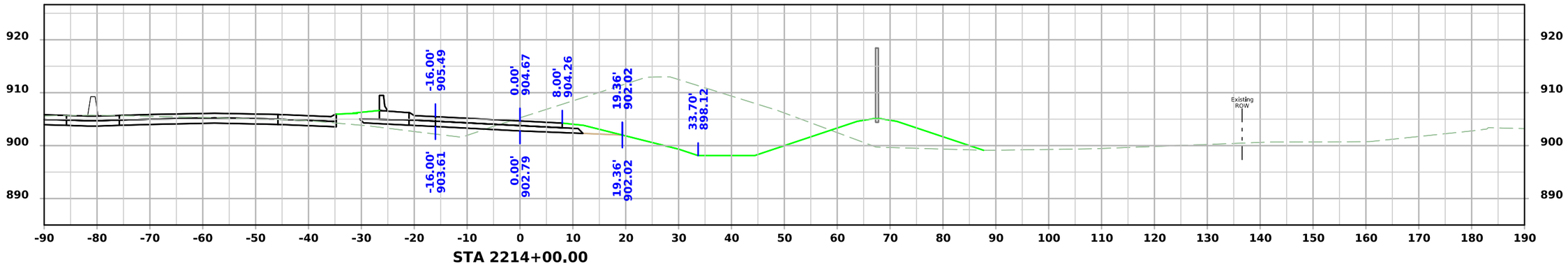
Ramp B



STA 2215+00.00



STA 2214+50.00



STA 2214+00.00

FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.28

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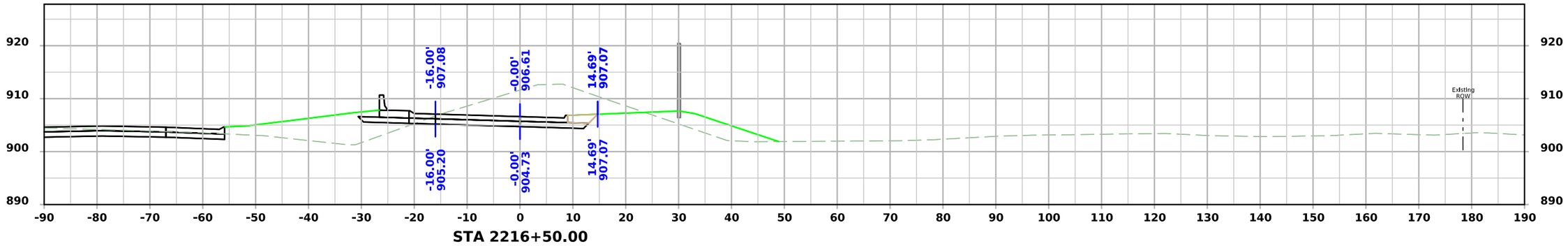
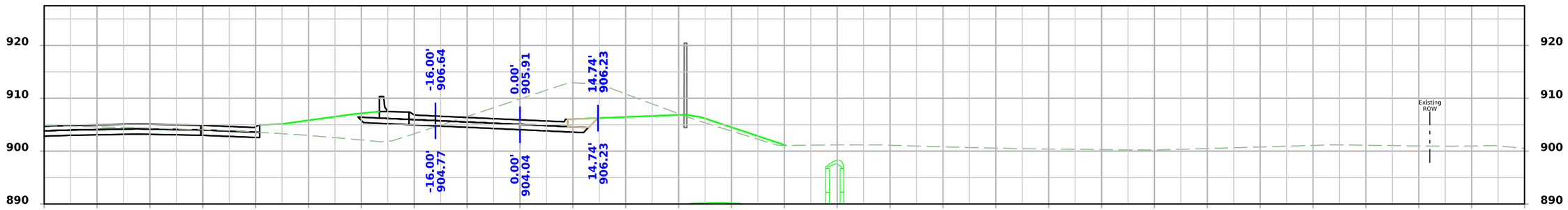
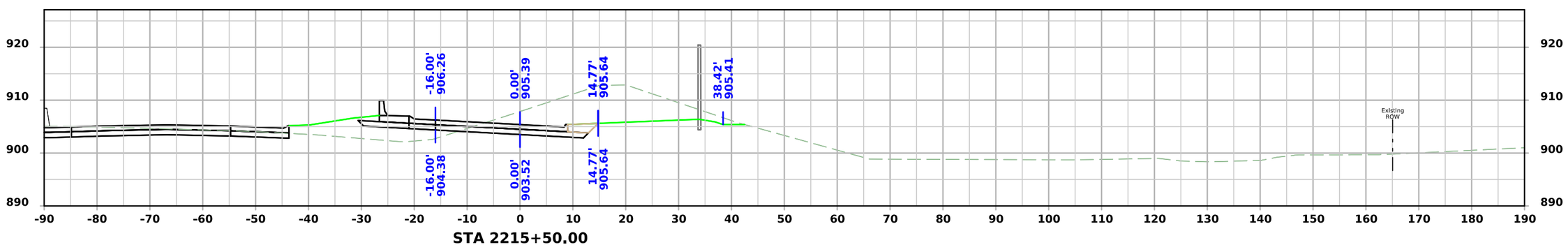
Ramp B



STA 2216+50.00



STA 2216+00.00

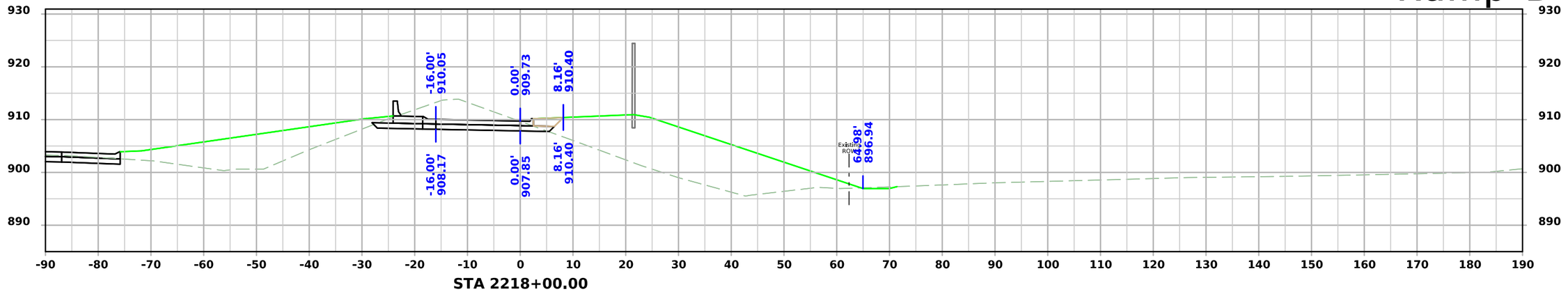


STA 2215+50.00

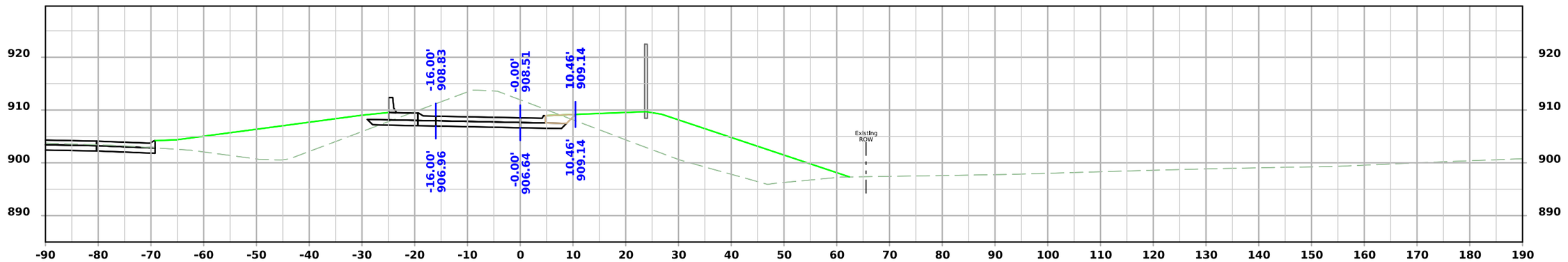
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.29

8:49:14 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_B_07058097Z05.dgn

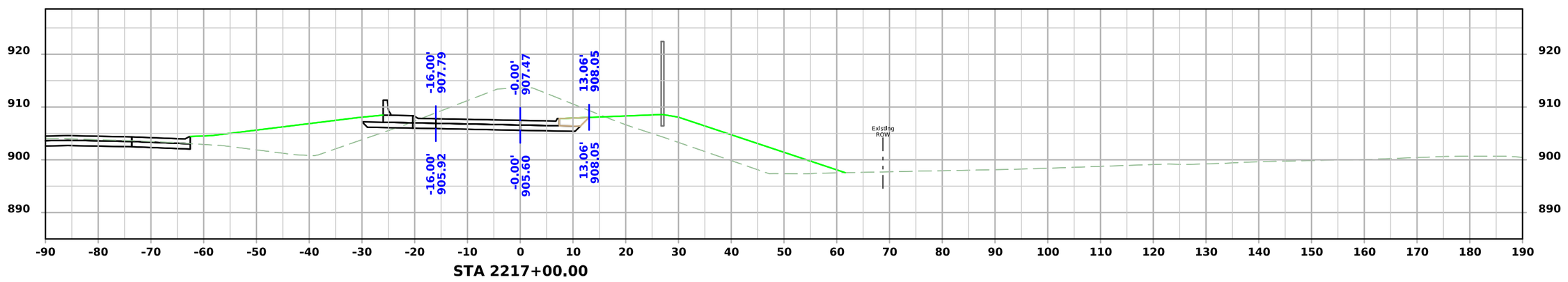
Ramp B



STA 2218+00.00



STA 2217+50.00

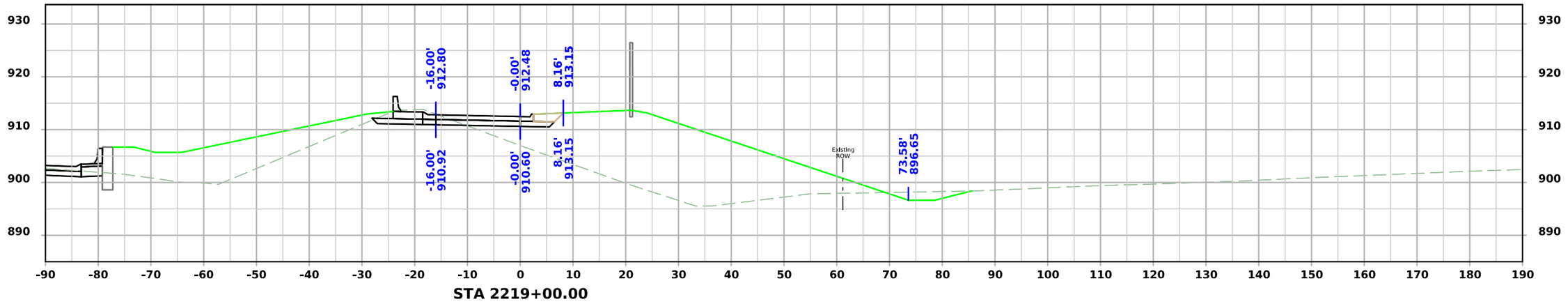


STA 2217+00.00

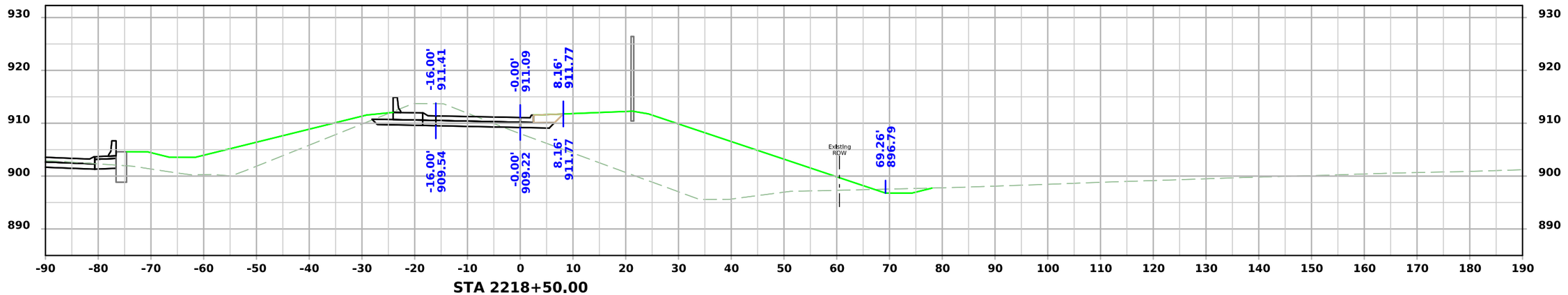
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.30

8:49:16 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_B_07058097Z05.dgn

Ramp B



STA 2219+00.00

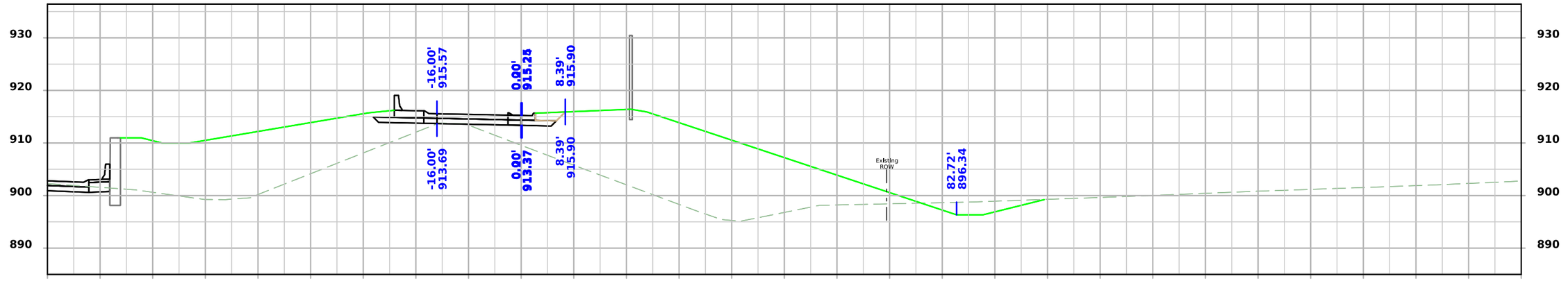


STA 2218+50.00

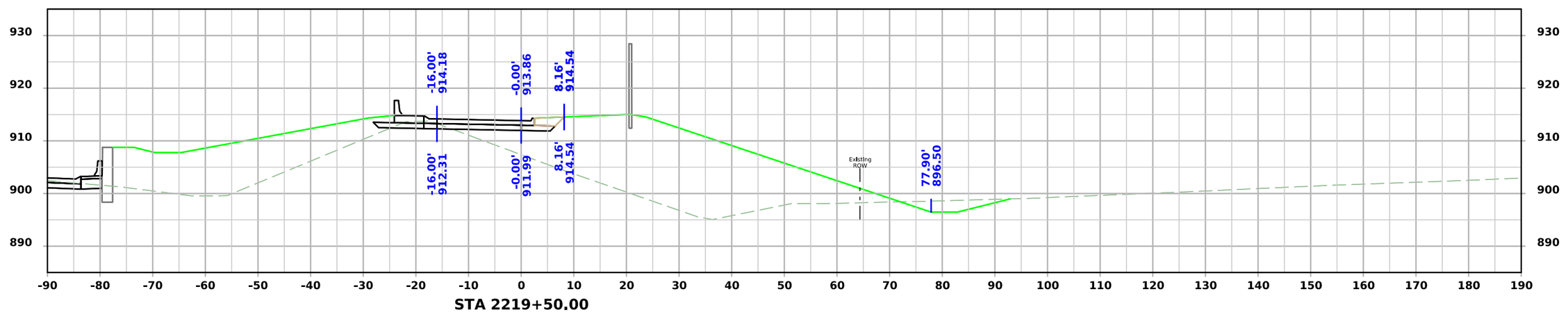
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.31

8:49:17 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_B_07058097Z05.dgn

Ramp B



STA 2220+00.00

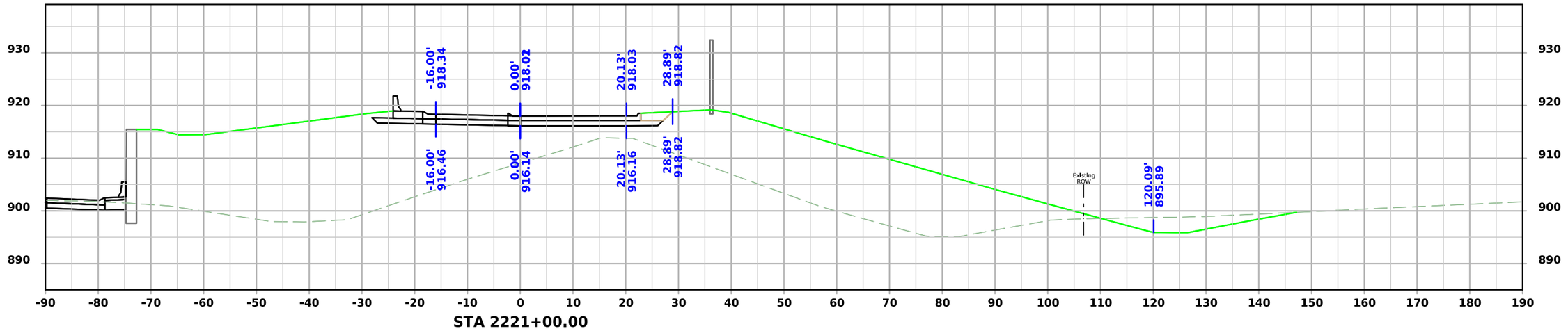


STA 2219+50.00

FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.32

8:49:18 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_B_07058097Z05.dgn

Ramp B



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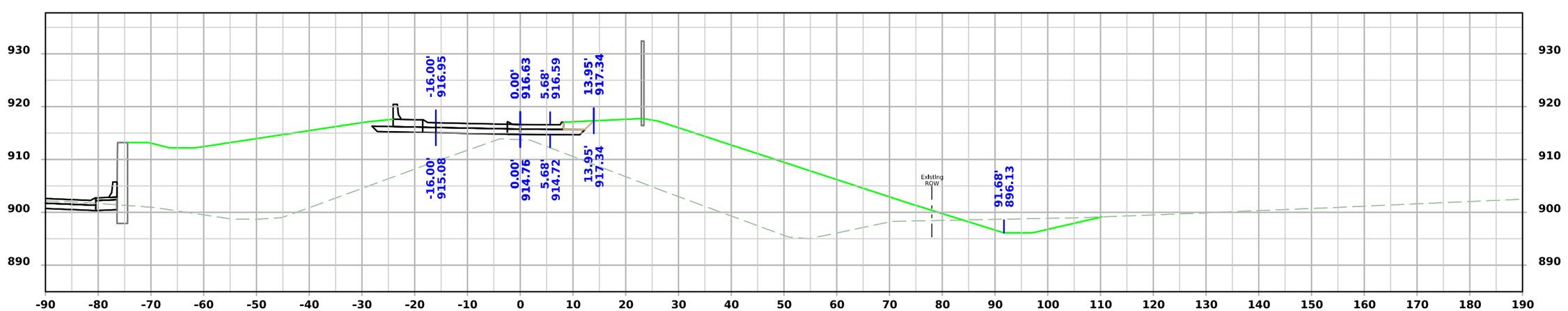
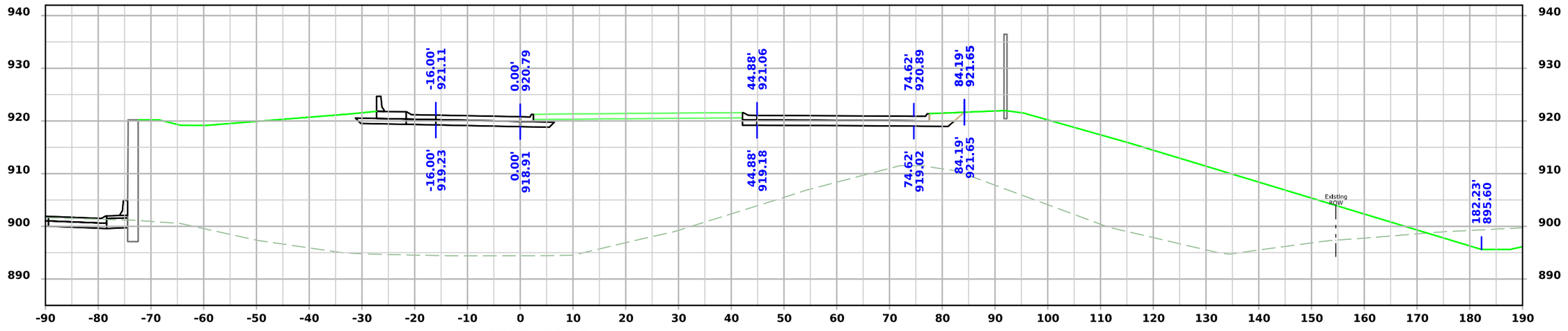


STA 2220+50.00

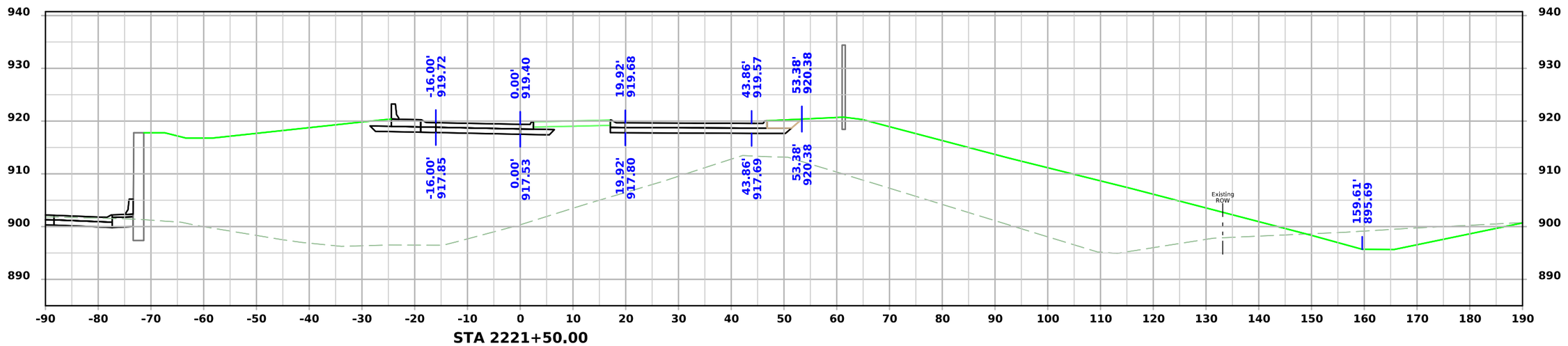
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.33

8:49:19 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_B_07058097Z05.dgn

Ramp B



STA 2222+00.00

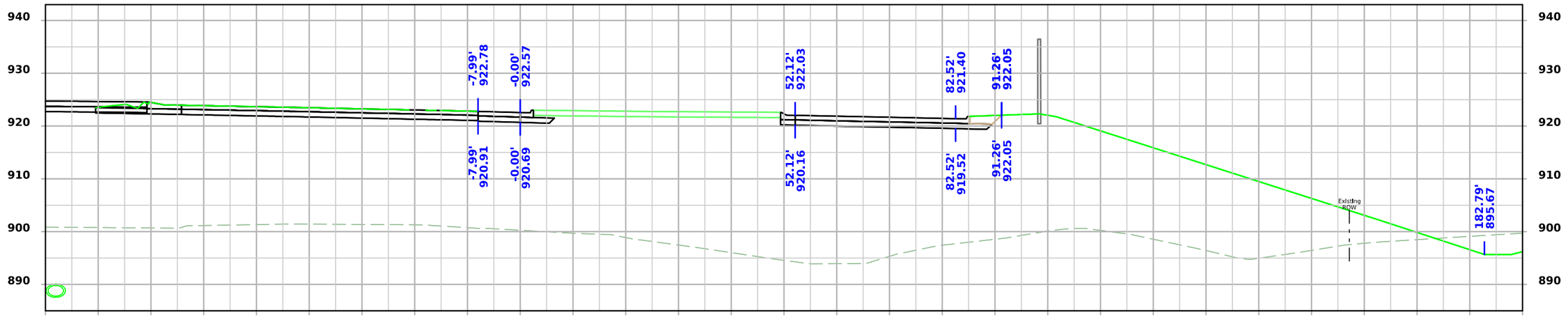


STA 2221+50.00

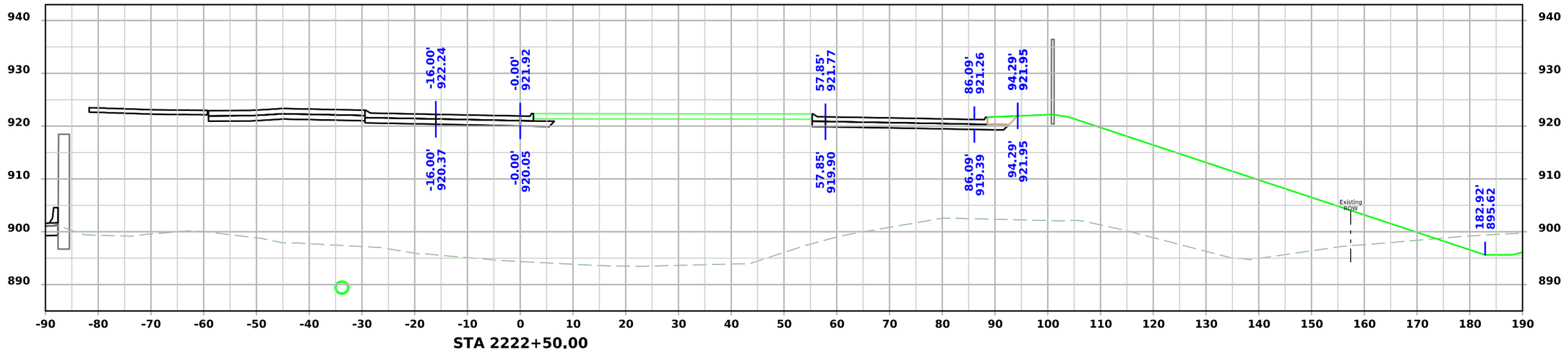
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.34

8:49:21 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_B_07058097Z05.dgn

Ramp B



STA 2223+00.00

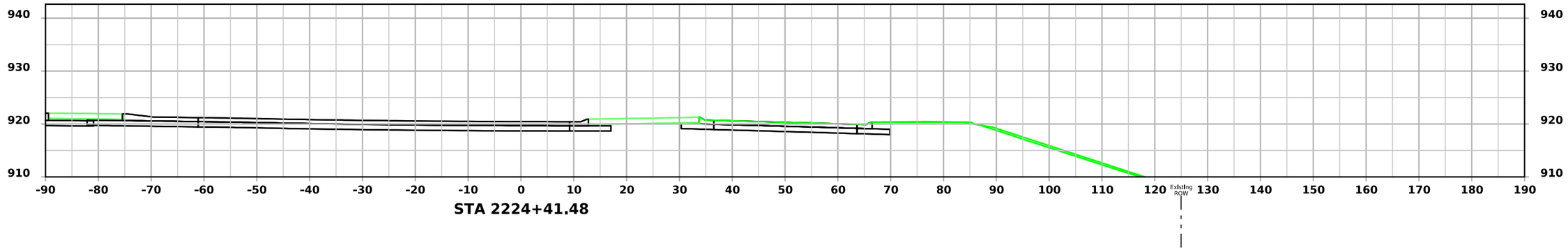


STA 2222+50.00

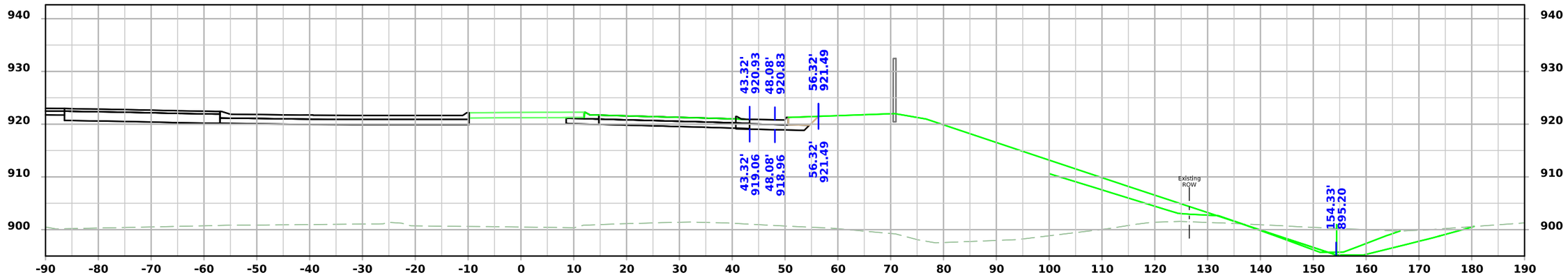
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.35	

8:49:23 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_B_07058097Z05.dgn

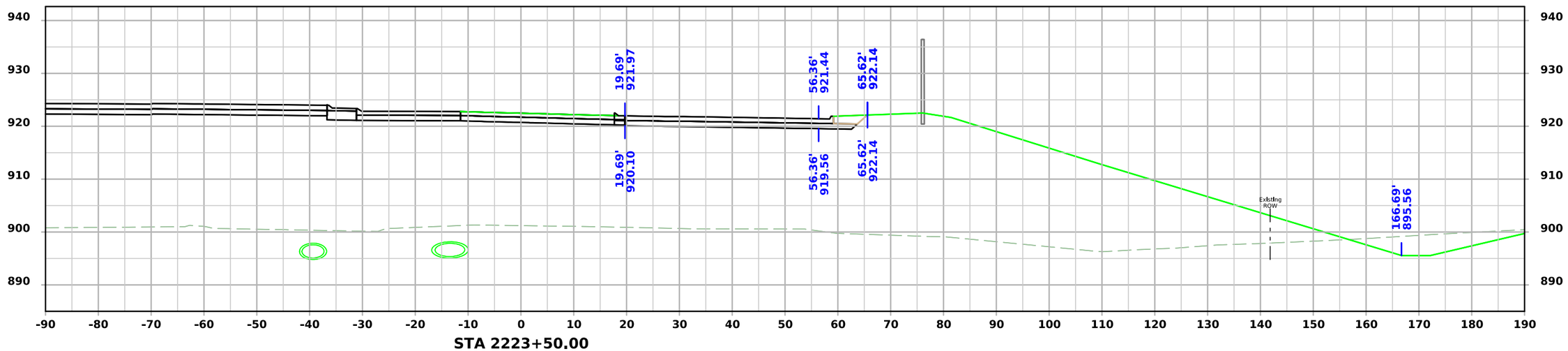
Ramp B



STA 2224+41.48



STA 2224+00.00

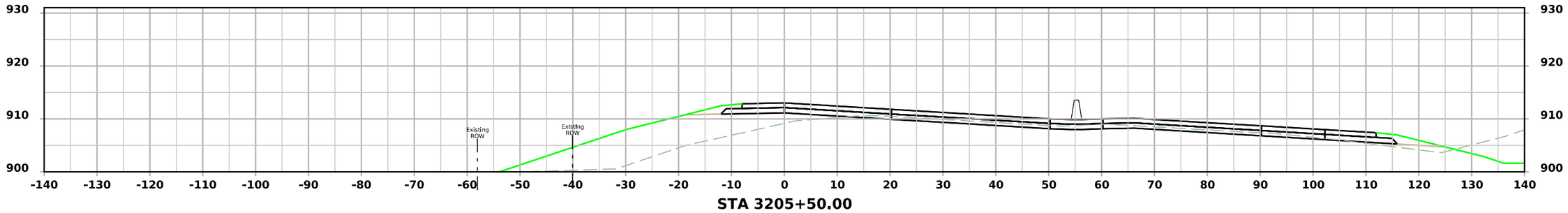


STA 2223+50.00

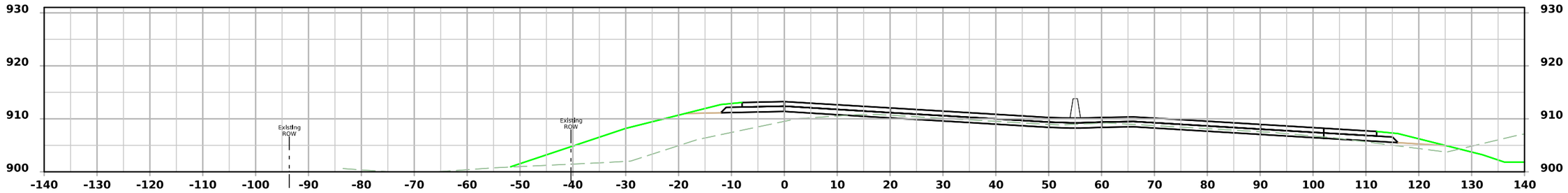
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.36

8:49:24 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\GreenhIll_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_B_07058097Z05.dgn

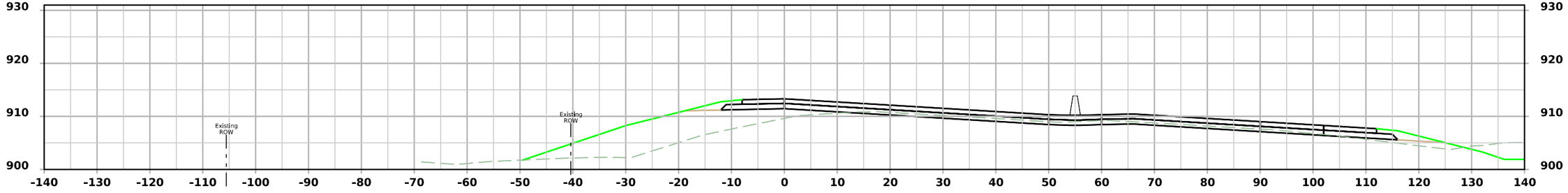
Ramp C



STA 3205+50.00



STA 3205+00.00

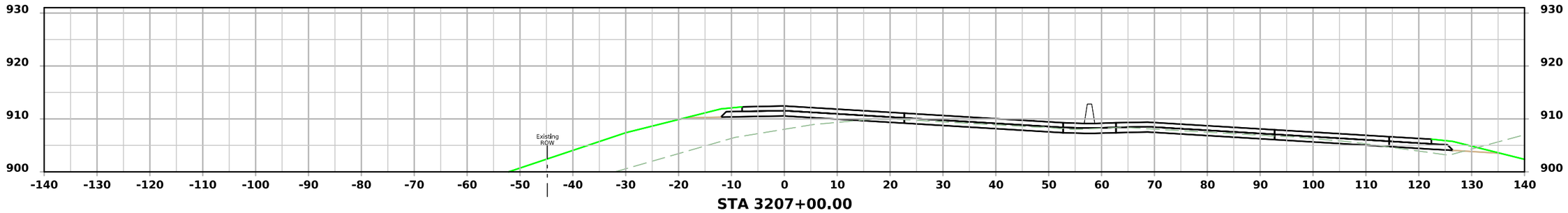


STA 3204+83.95

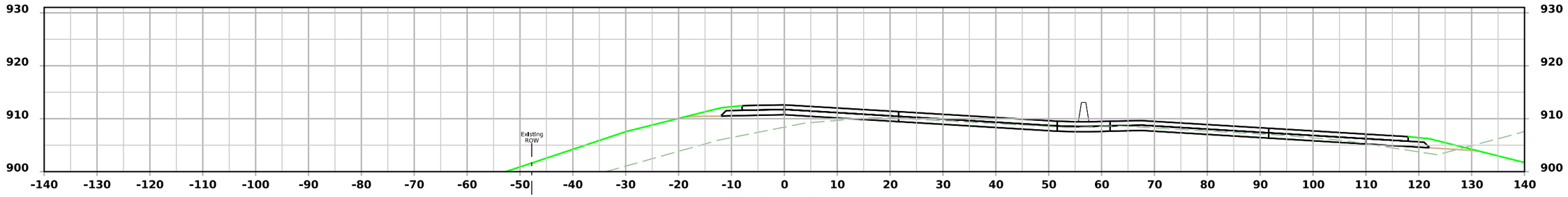
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.37

8:49:33 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_C_07058097Z05.dgn

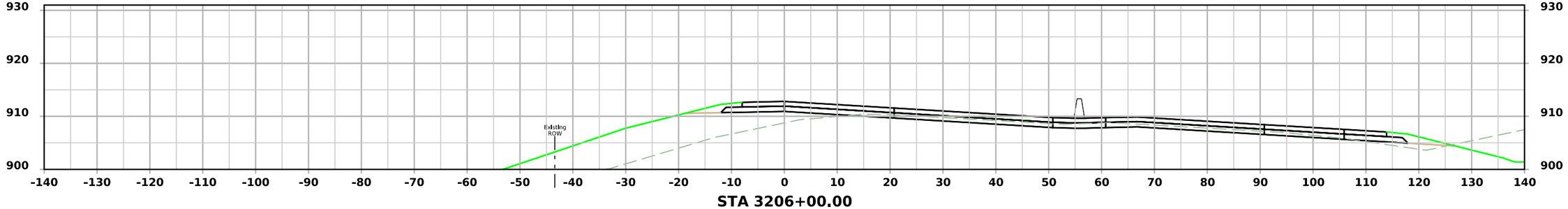
Ramp C



STA 3207+00.00



STA 3206+50.00

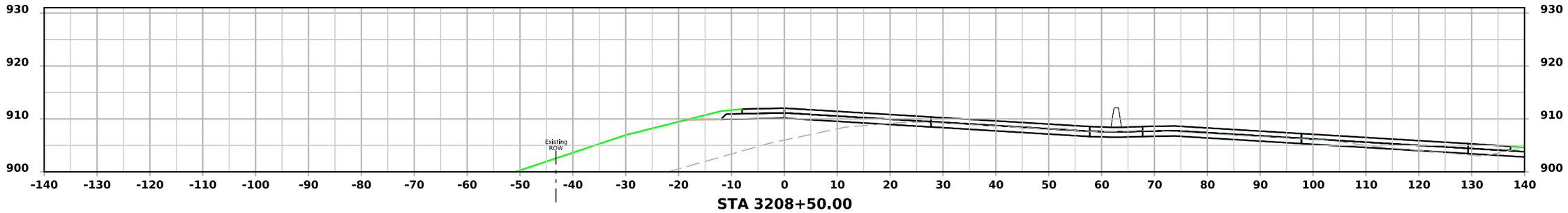


STA 3206+00.00

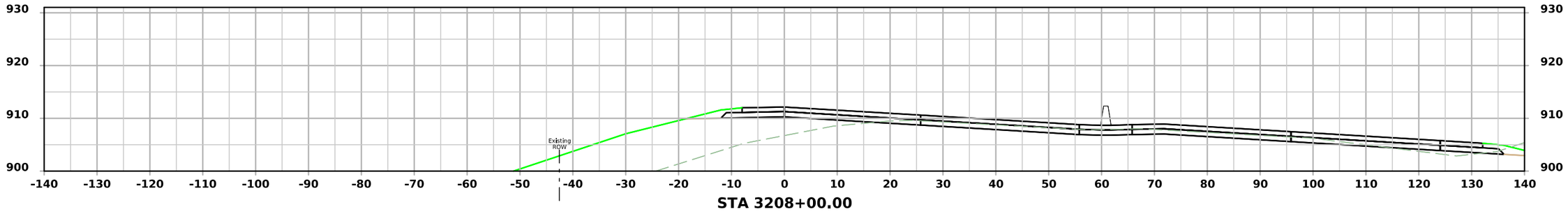
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.38

8:49:35 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\GreenhIll_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_C_07058097Z05.dgn

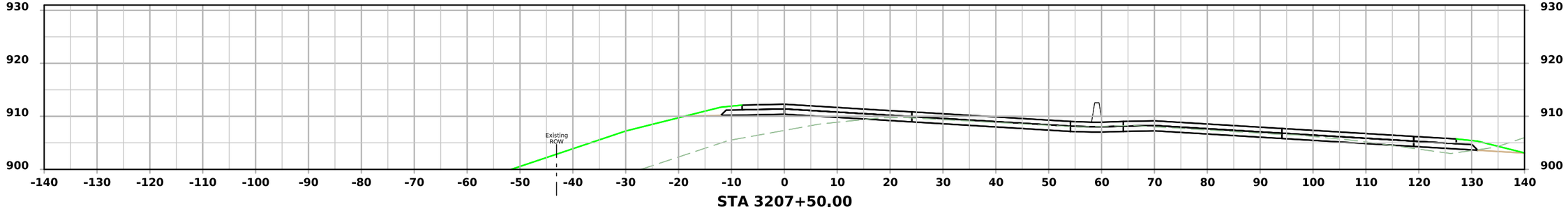
Ramp C



STA 3208+50.00



STA 3208+00.00

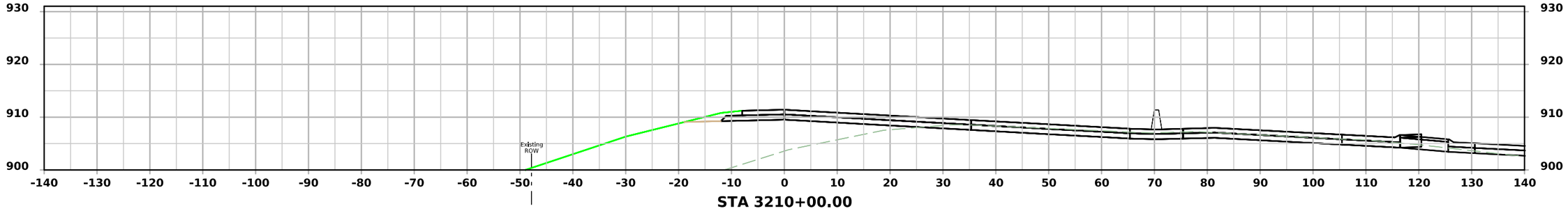


STA 3207+50.00

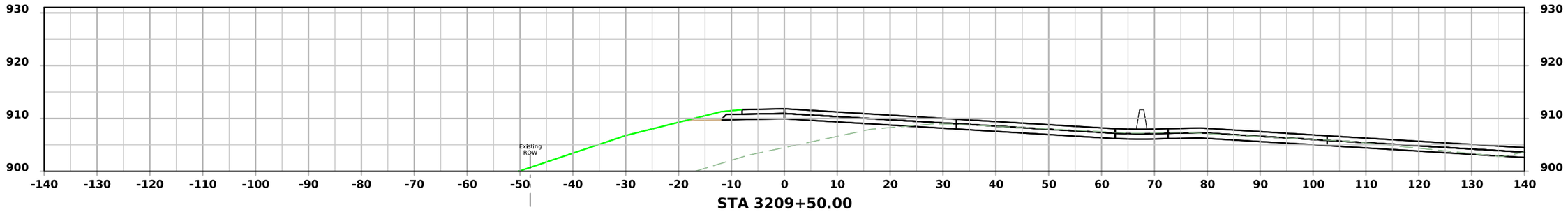
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.39

8:49:36 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\GreenhIll_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_C_07058097Z05.dgn

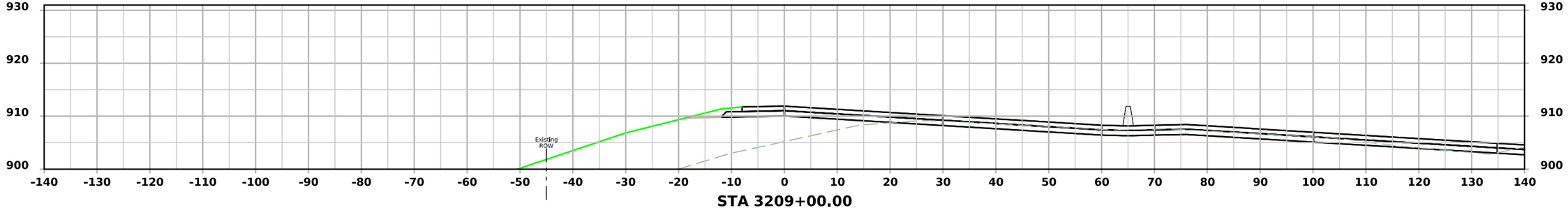
Ramp C



STA 3210+00.00



STA 3209+50.00

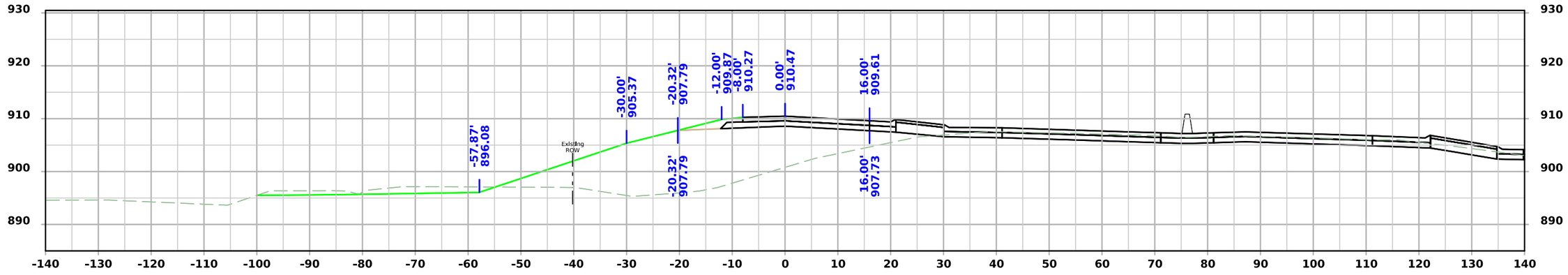


STA 3209+00.00

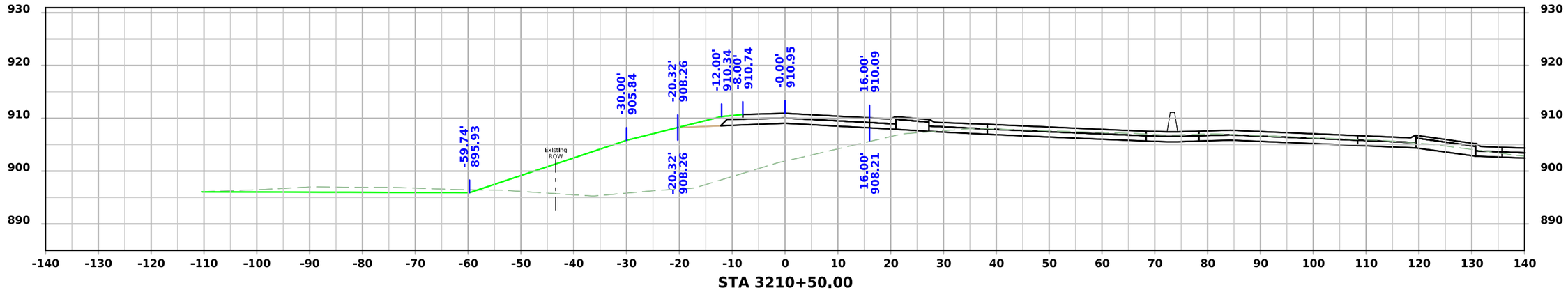
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.40

8:49:38 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\GreenhIll_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_C_07058097Z05.dgn

Ramp C



STA 3211+00.00

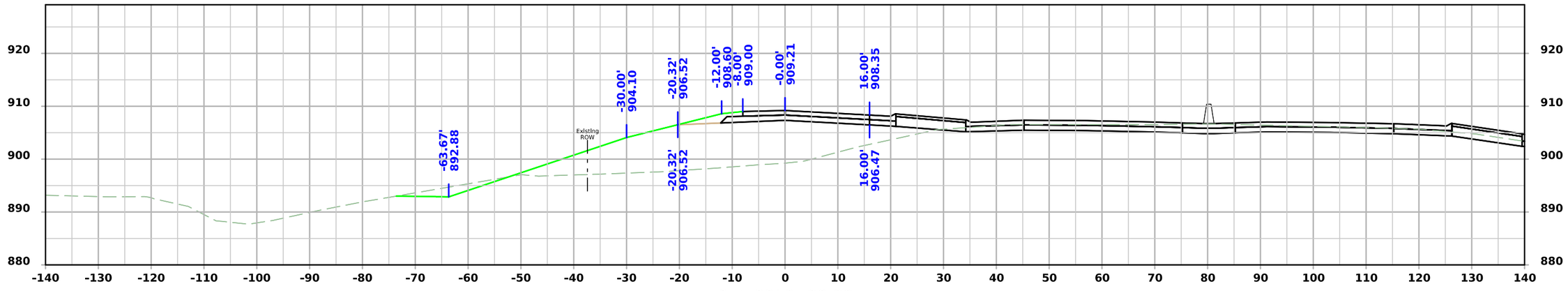


STA 3210+50.00

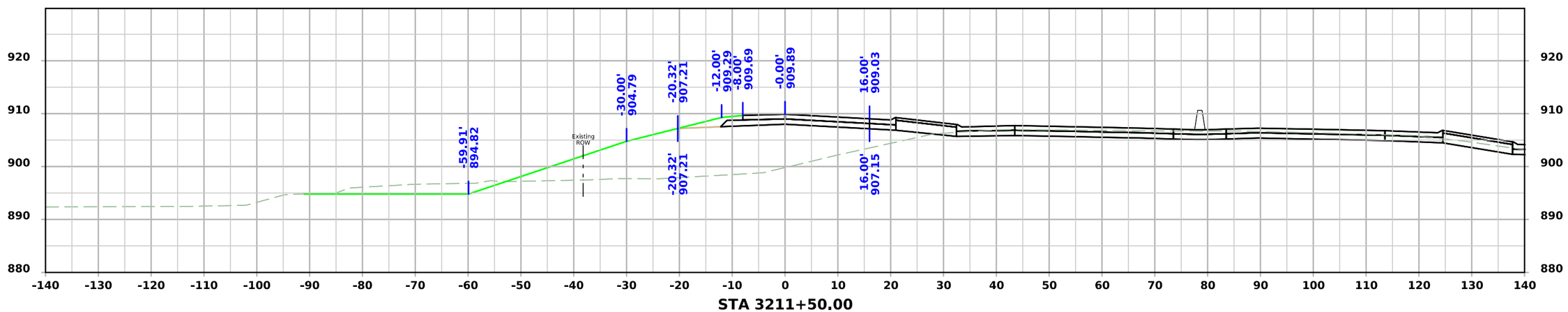
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.41

8:49:39 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_C_07058097Z05.dgn

Ramp C



STA 3212+00.00

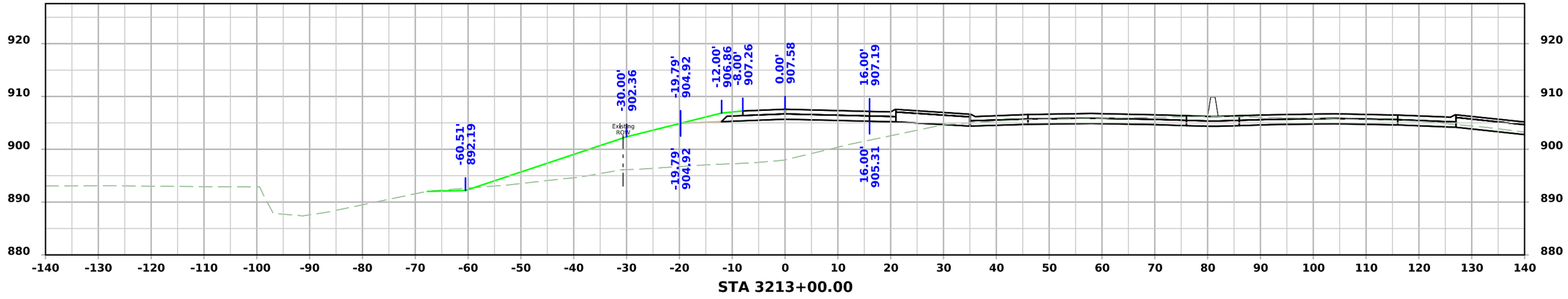


STA 3211+50.00

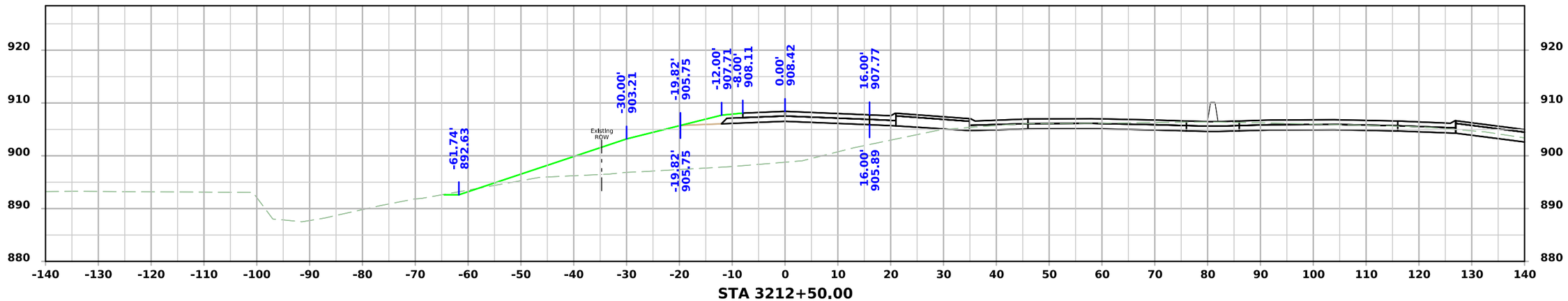
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.42

8:49:41 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_C_07058097Z05.dgn

Ramp C



STA 3213+00.00

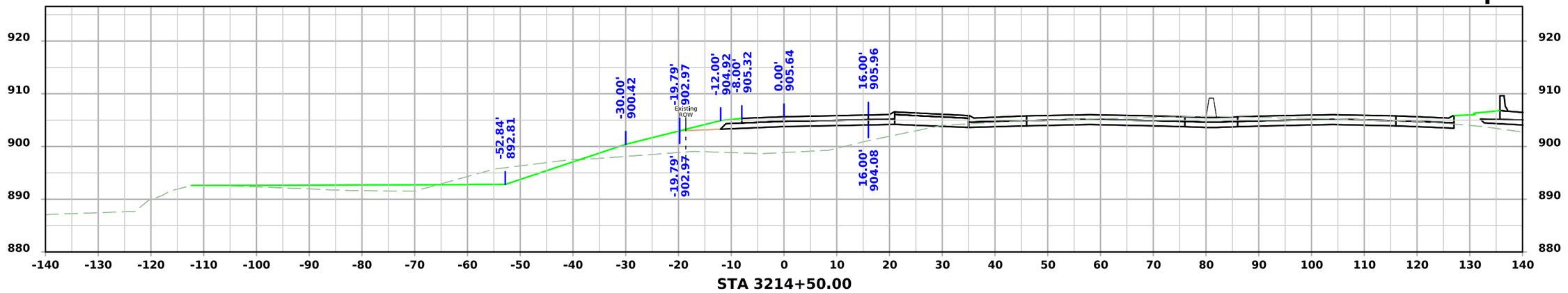


STA 3212+50.00

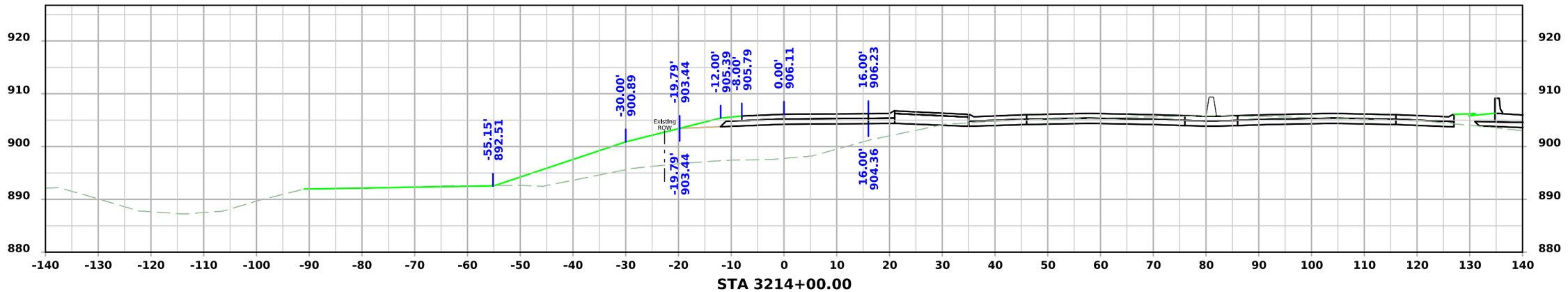
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.43

8:49:42 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\GreenhIll_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_C_07058097Z05.dgn

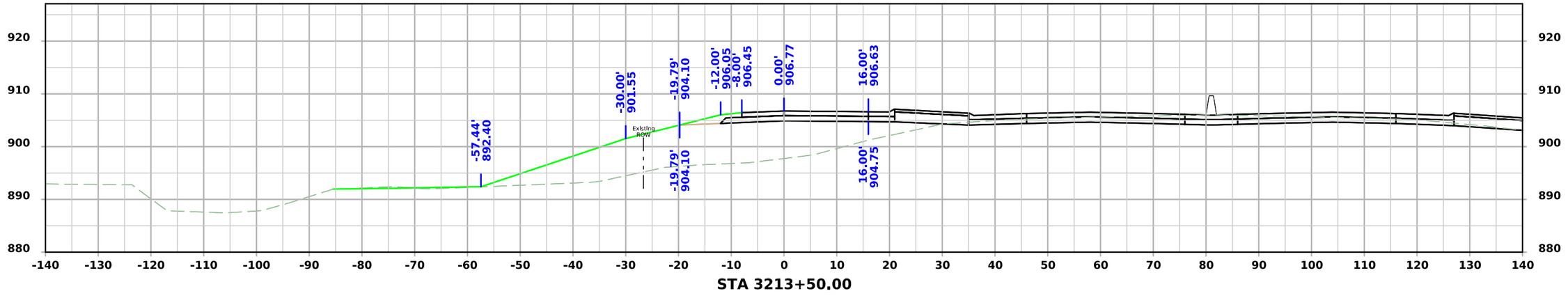
Ramp C



STA 3214+50.00



STA 3214+00.00

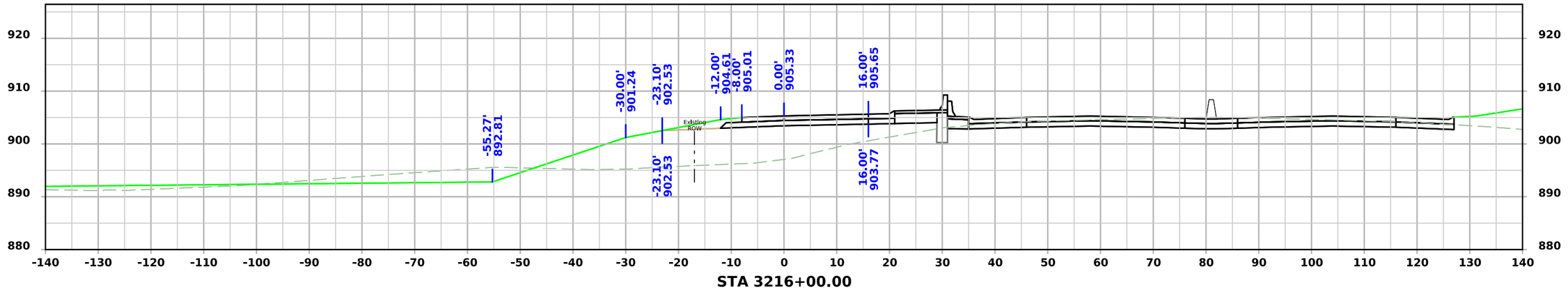


STA 3213+50.00

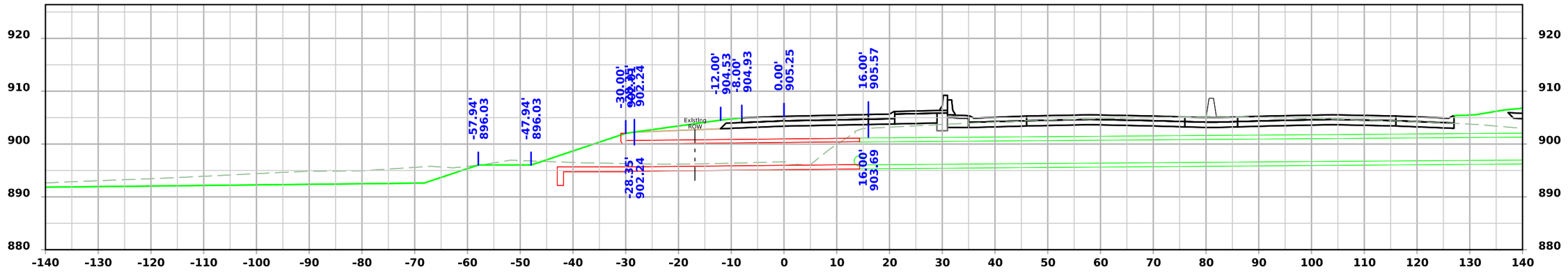
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.44

8:49:43 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_C_07058097Z05.dgn

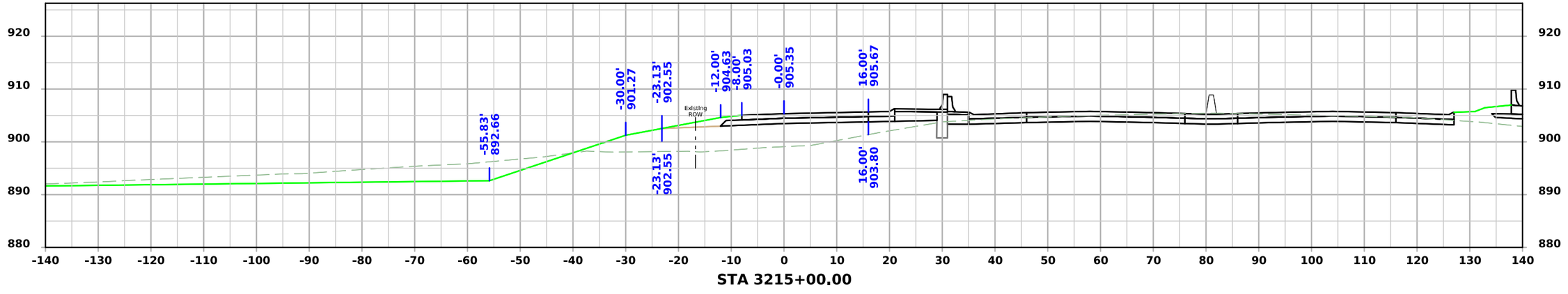
Ramp C



STA 3216+00.00



STA 3215+50.00

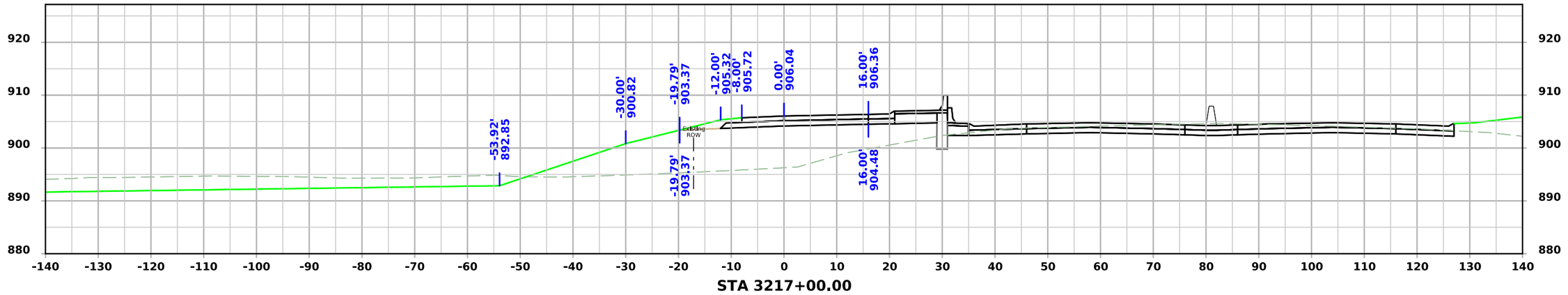


STA 3215+00.00

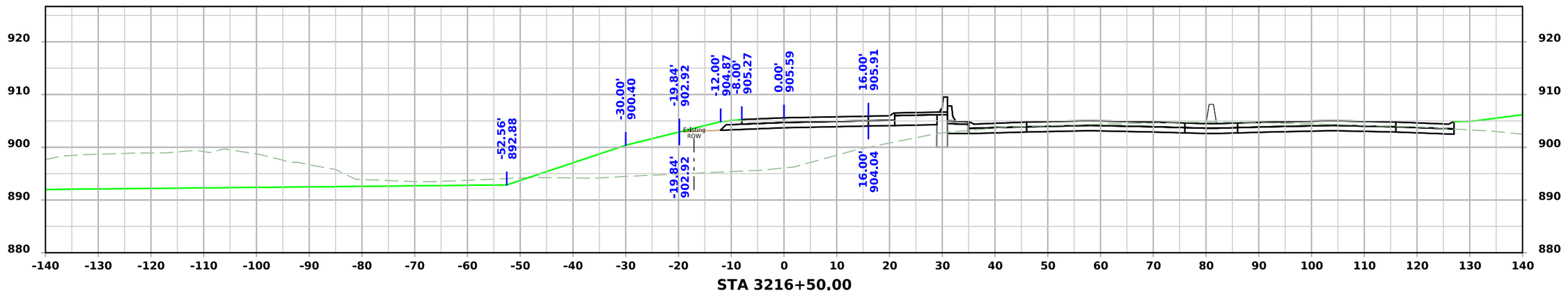
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.45	

8:49:45 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\GreenhIll_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_C_07058097Z05.dgn

Ramp C



STA 3217+00.00

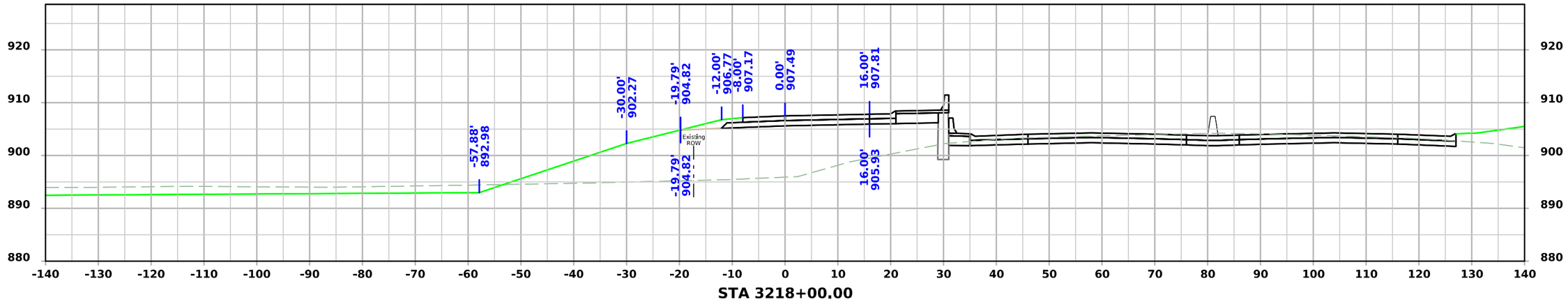


STA 3216+50.00

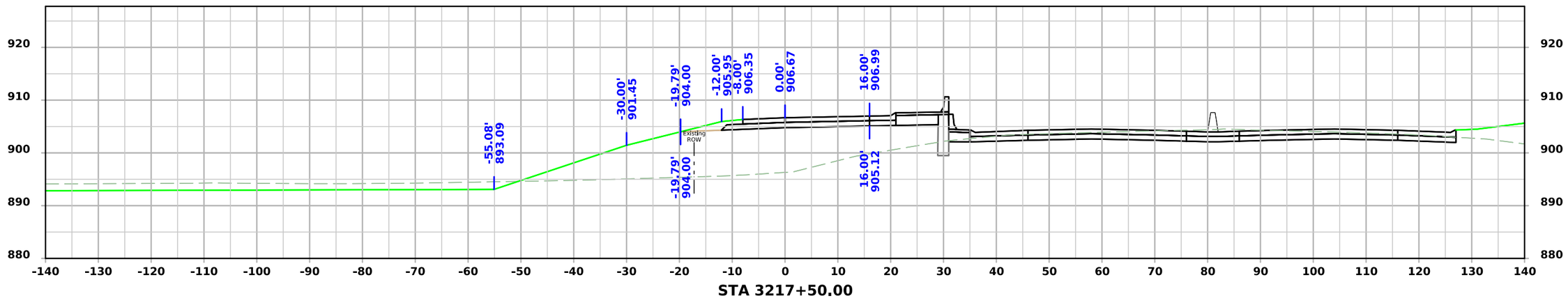
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.46

8:49:46 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_C_07058097Z05.dgn

Ramp C



STA 3218+00.00

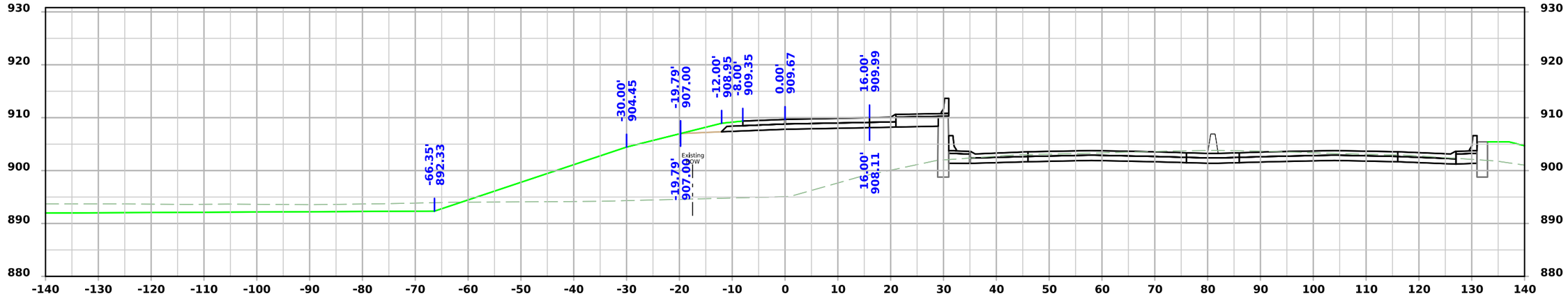


STA 3217+50.00

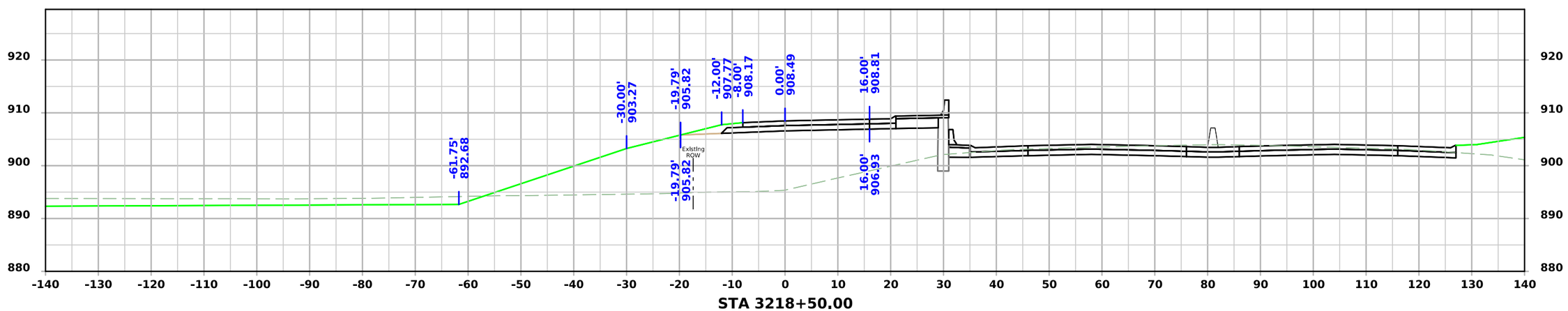
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.47

8:49:47 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_C_07058097Z05.dgn

Ramp C



STA 3219+00.00

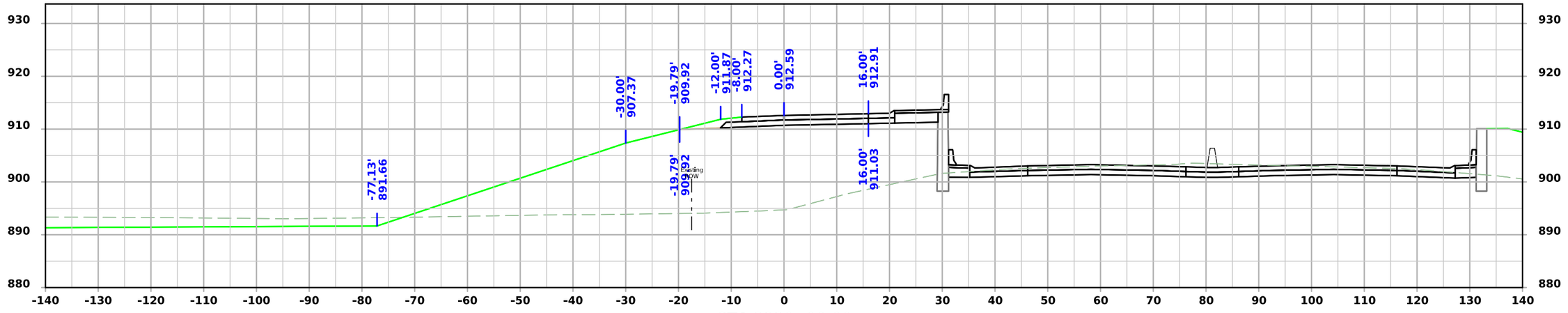


STA 3218+50.00

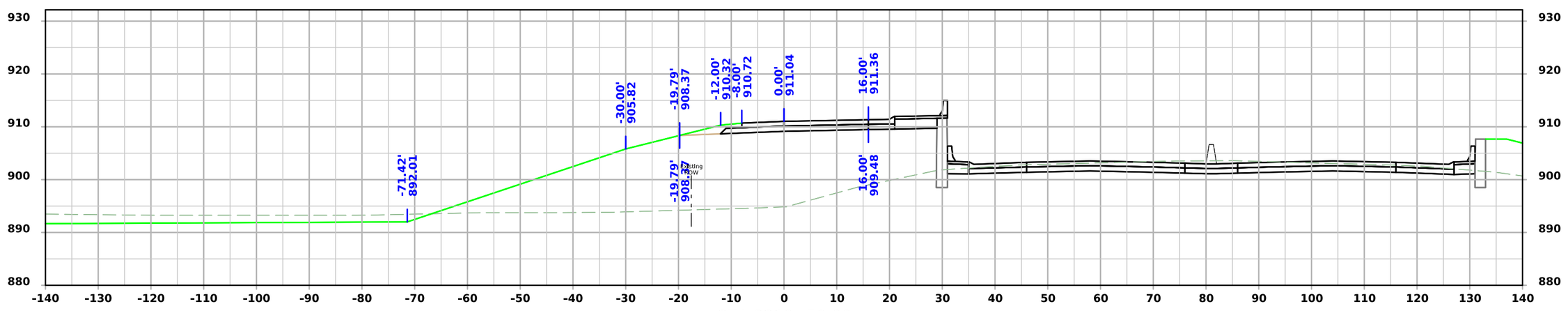
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.48

8:49:49 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_C_07058097Z05.dgn

Ramp C



STA 3220+00.00

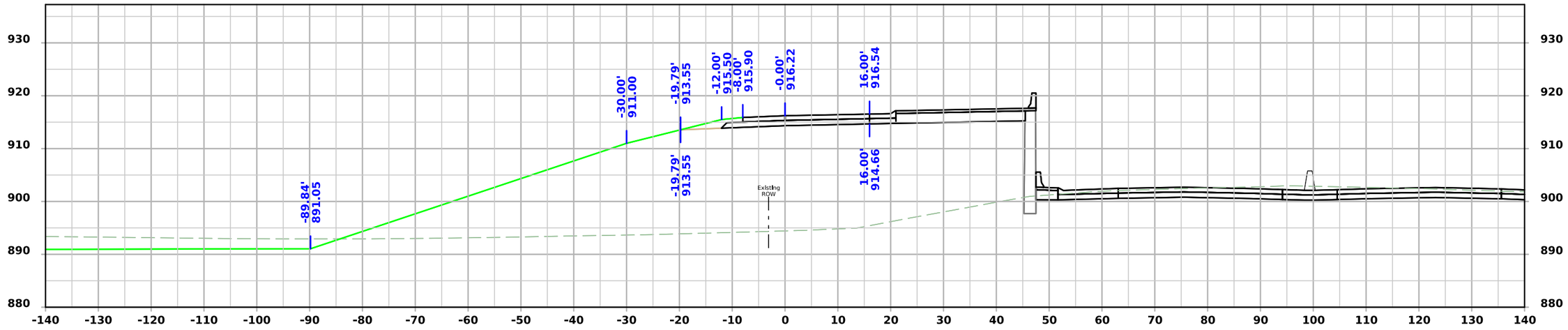


STA 3219+50.00

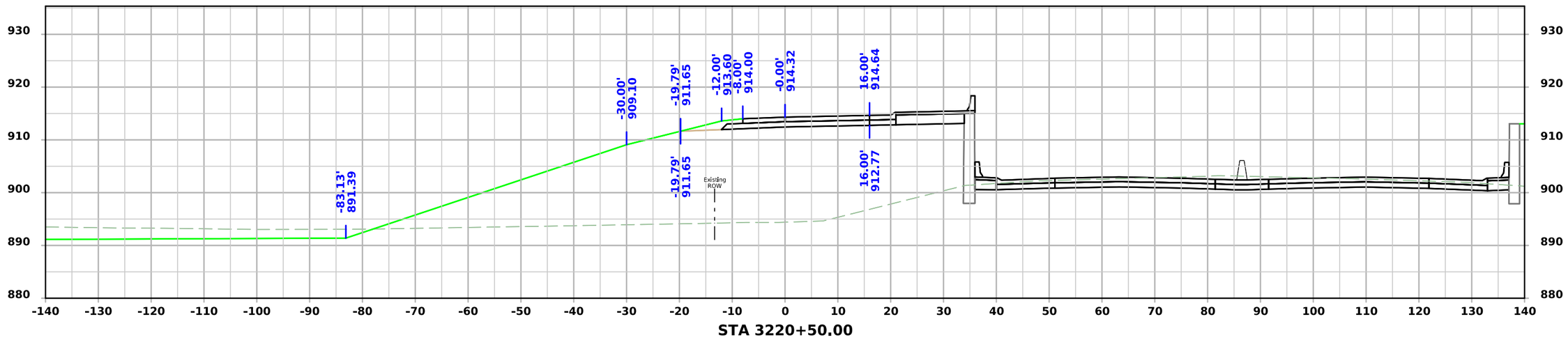
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.49

8:49:50 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_C_07058097Z05.dgn

Ramp C



STA 3221+00.00

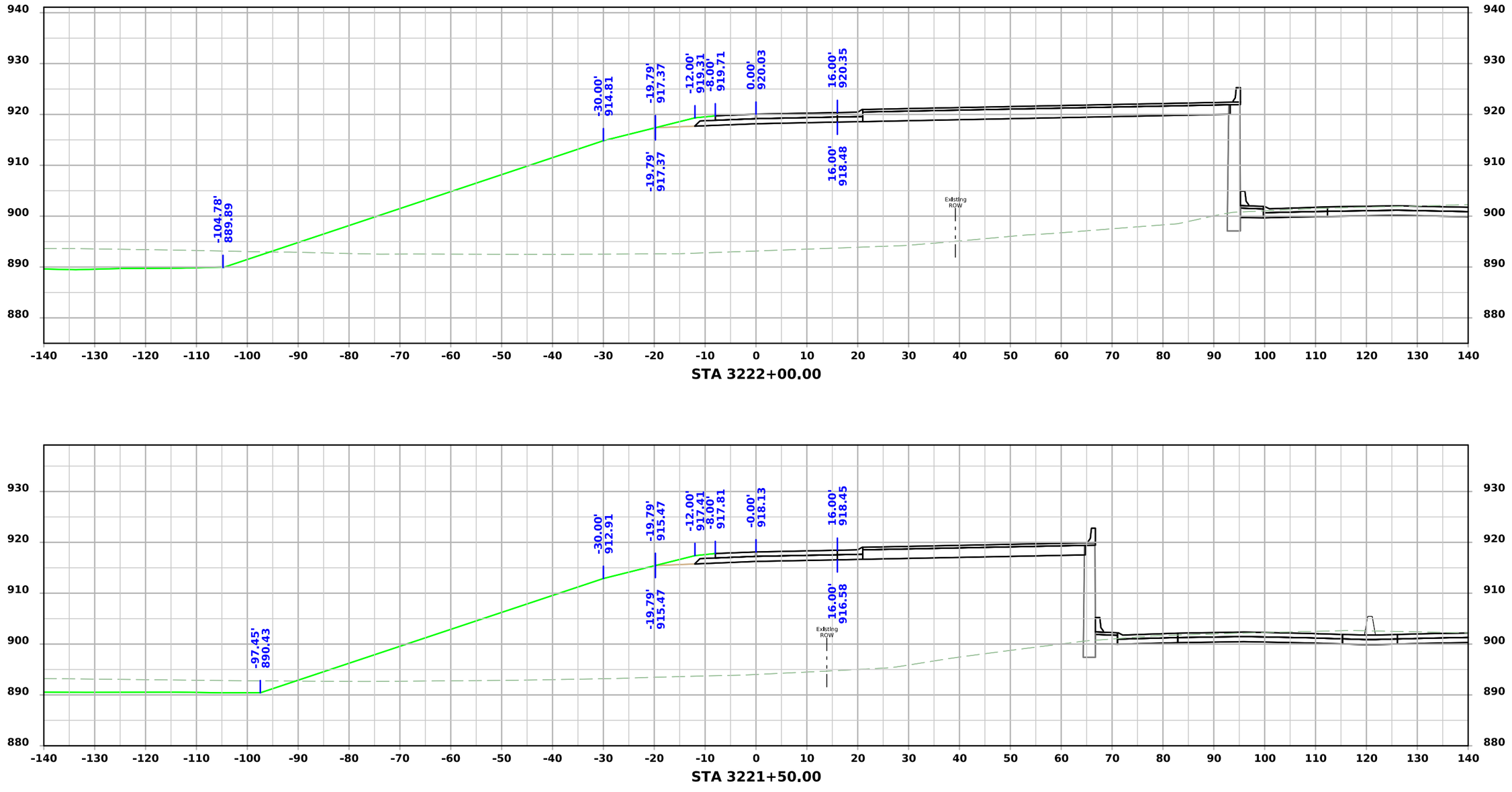


STA 3220+50.00

FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.50

8:49:51 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_C_07058097Z05.dgn

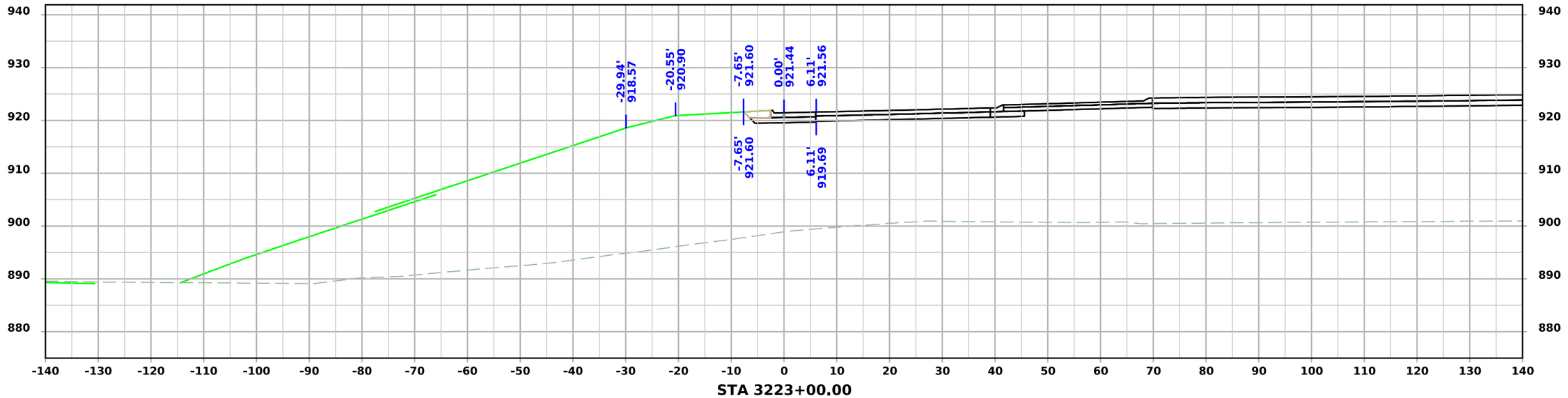
Ramp C



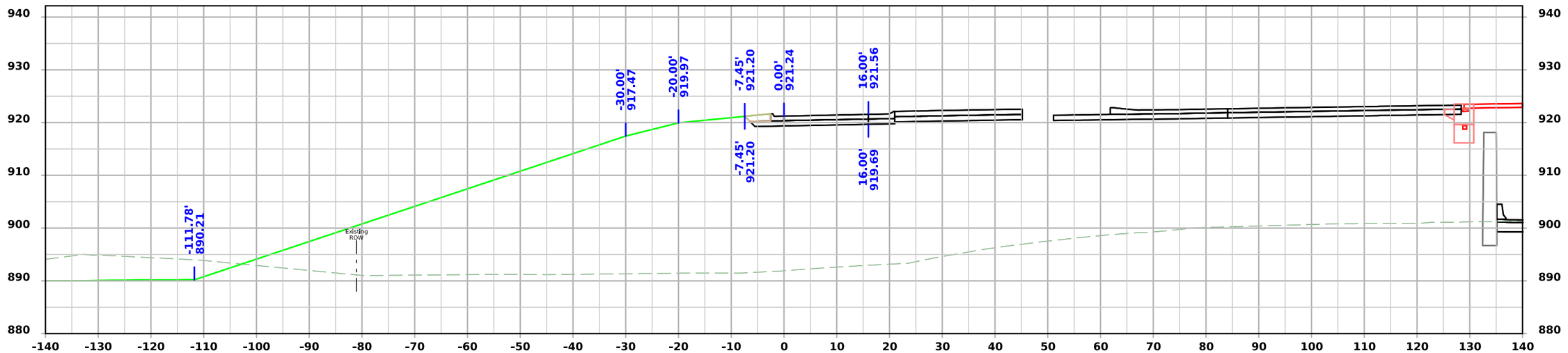
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.51

8:49:53 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_C_07058097Z05.dgn

Ramp C



STA 3223+00.00

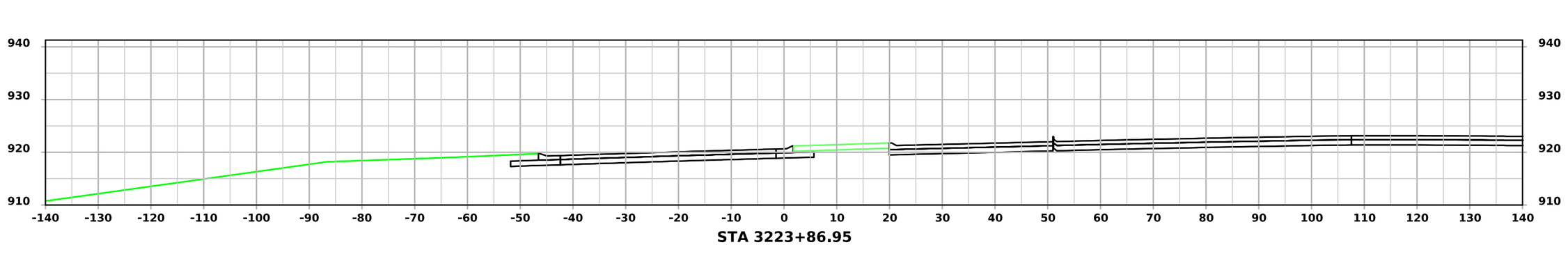


STA 3222+50.00

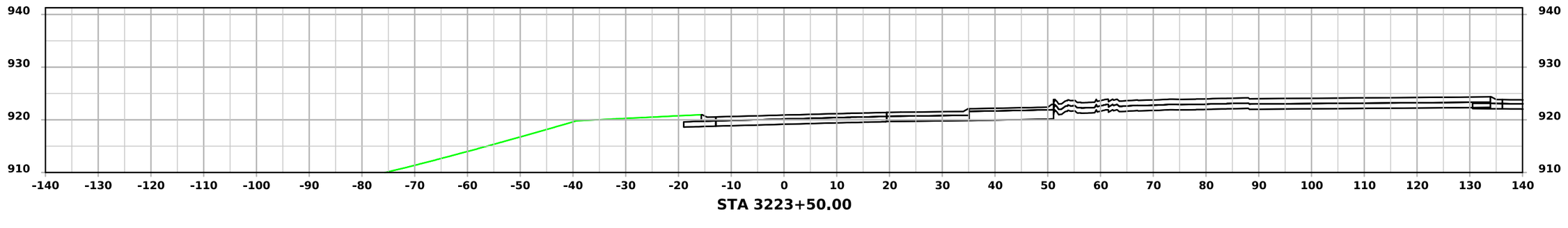
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.52

8:49:55 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_C_07058097Z05.dgn

Ramp C



STA 3223+86.95

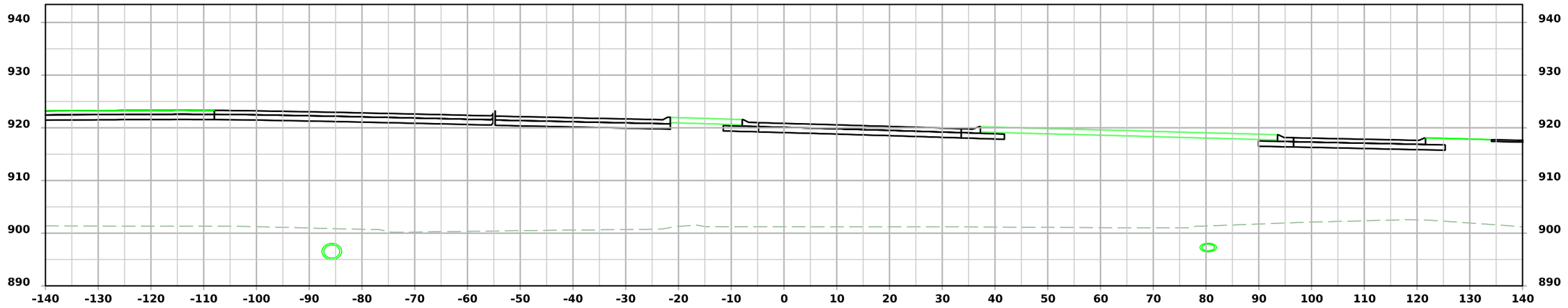


STA 3223+50.00

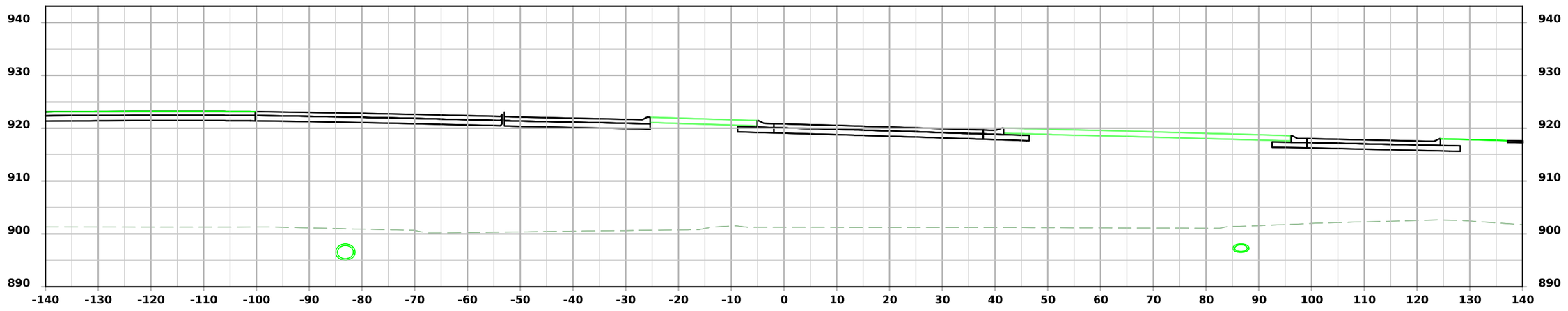
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.53

8:49:56 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_C_07058097Z05.dgn

Ramp D



STA 4223+51.06

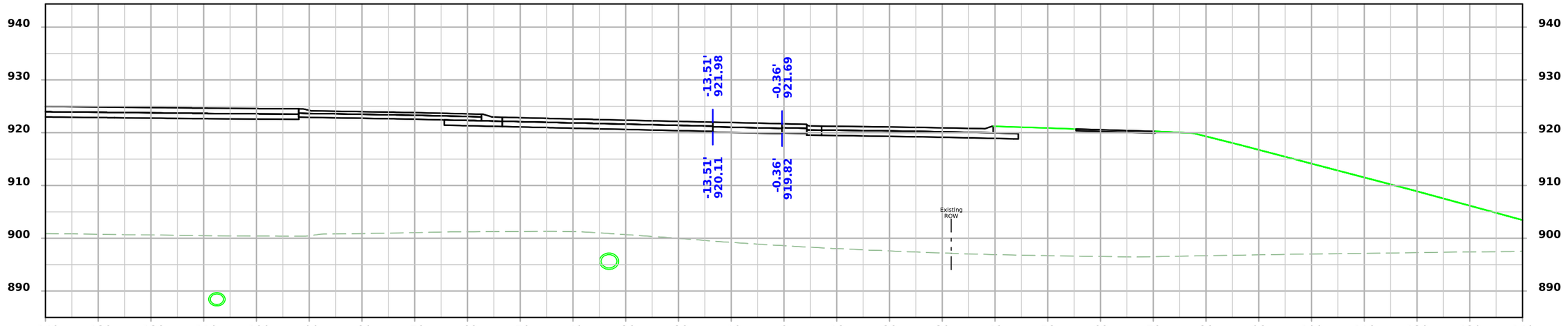


STA 4223+47.24

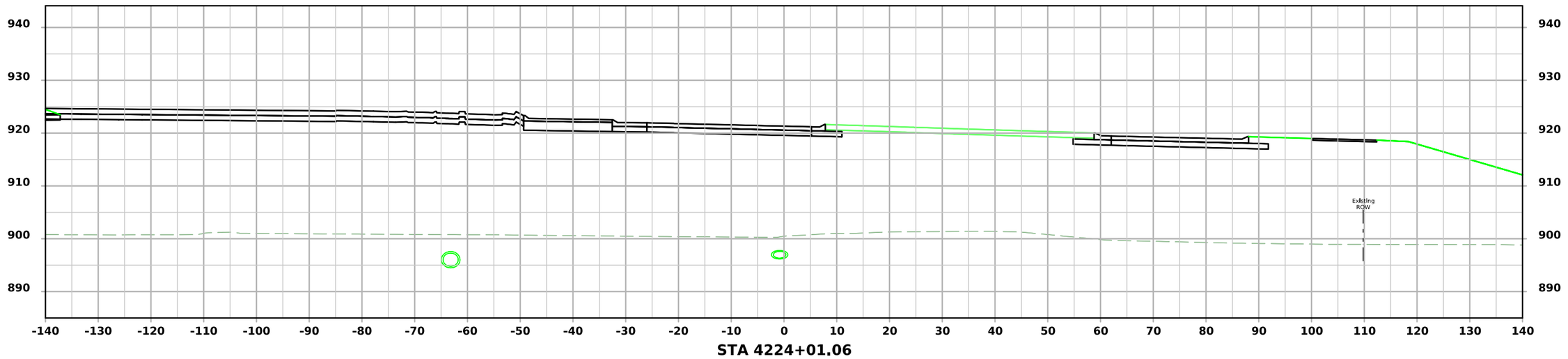
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.54

8:50:05 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_D_07058097Z05.dgn

Ramp D



STA 4224+51.06

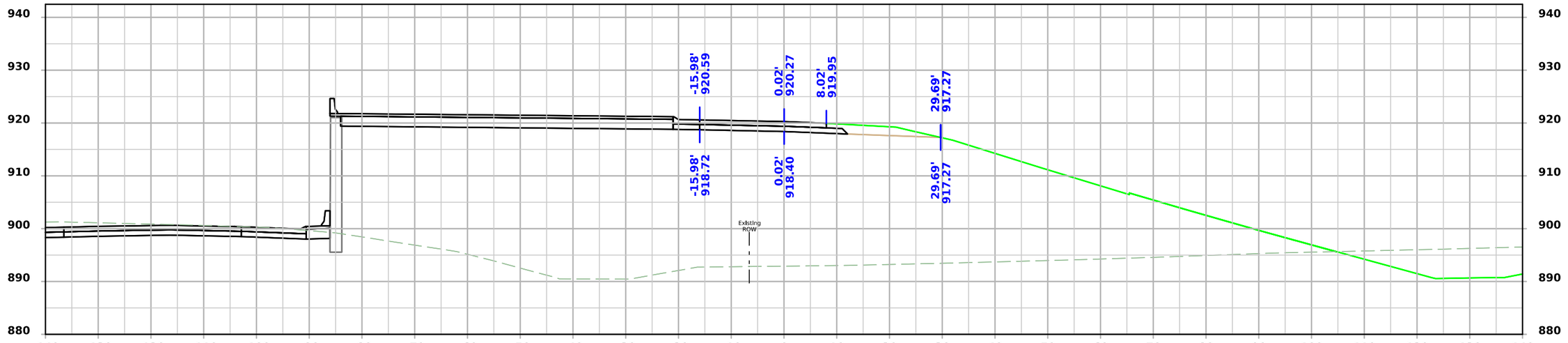


STA 4224+01.06

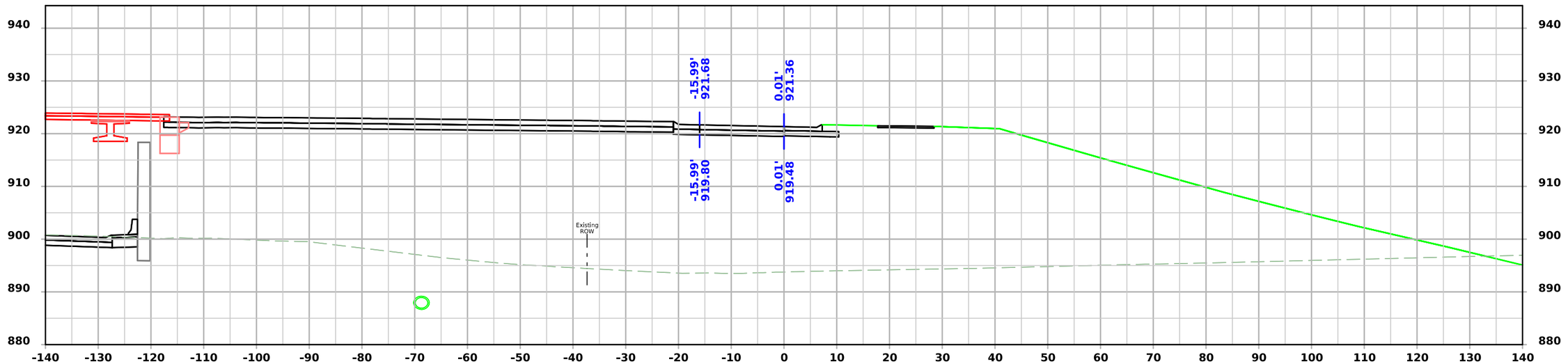
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.55

8:50:07 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_D_07058097Z05.dgn

Ramp D



STA 4225+51.06

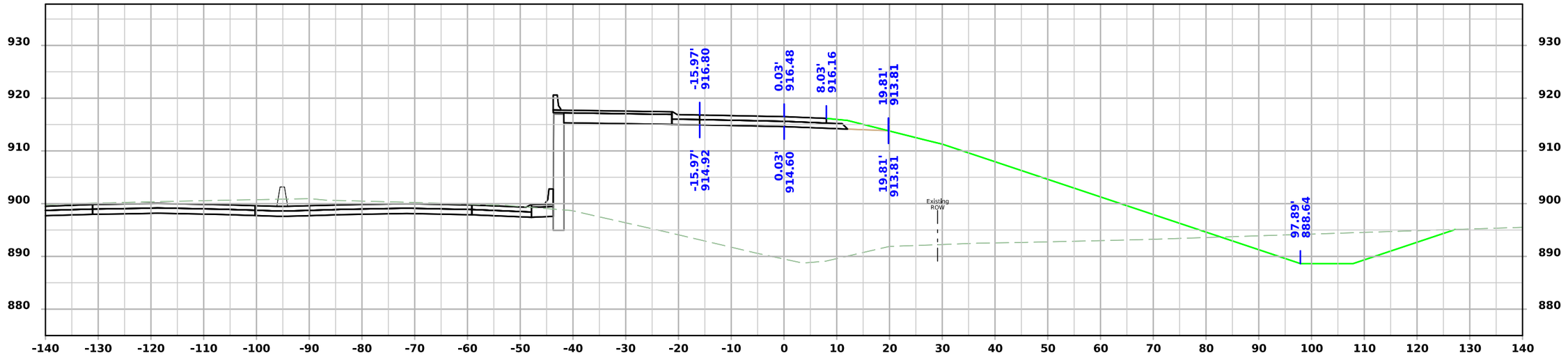


STA 4225+01.06

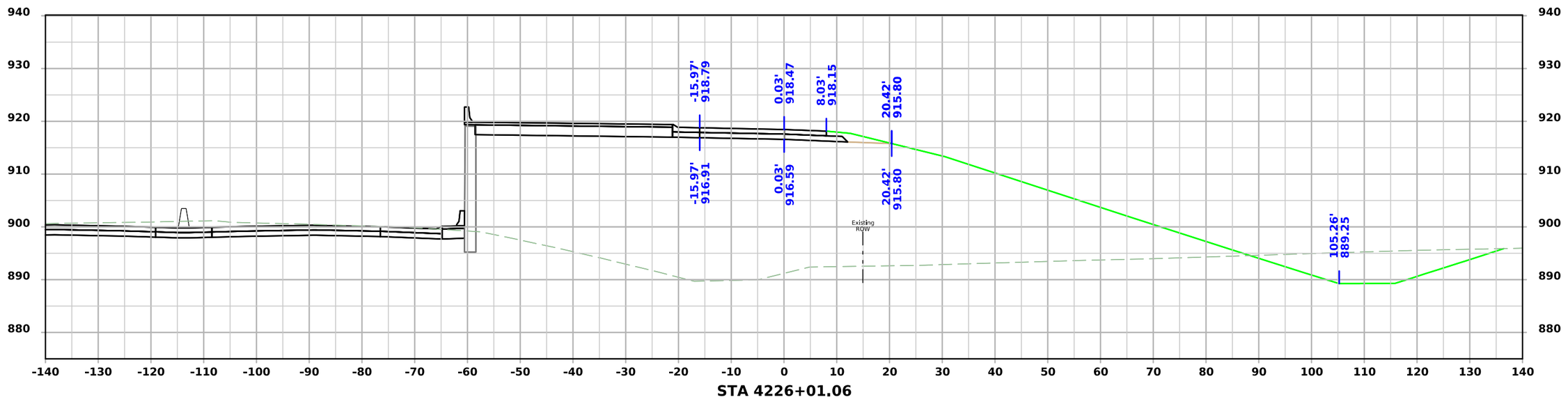
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.56

8:50:08 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_D_07058097Z05.dgn

Ramp D



STA 4226+51.06

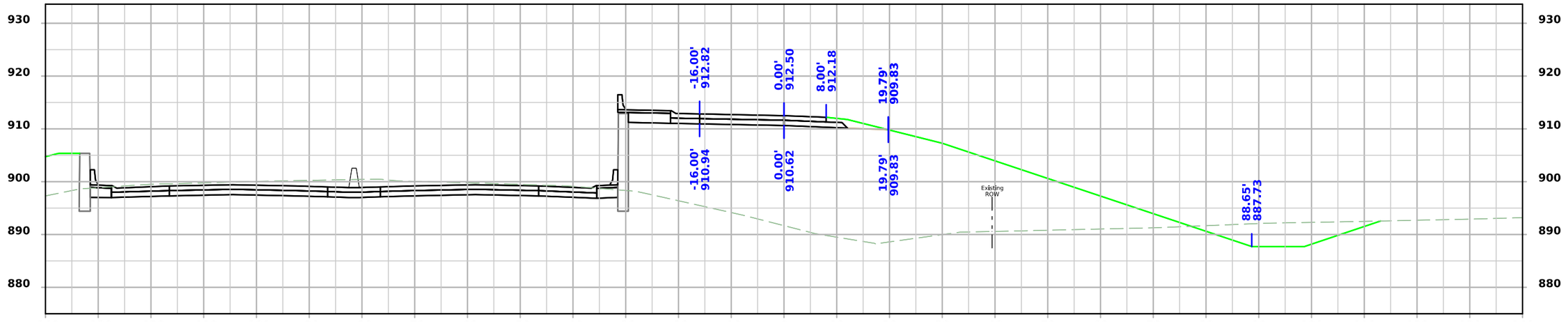


STA 4226+01.06

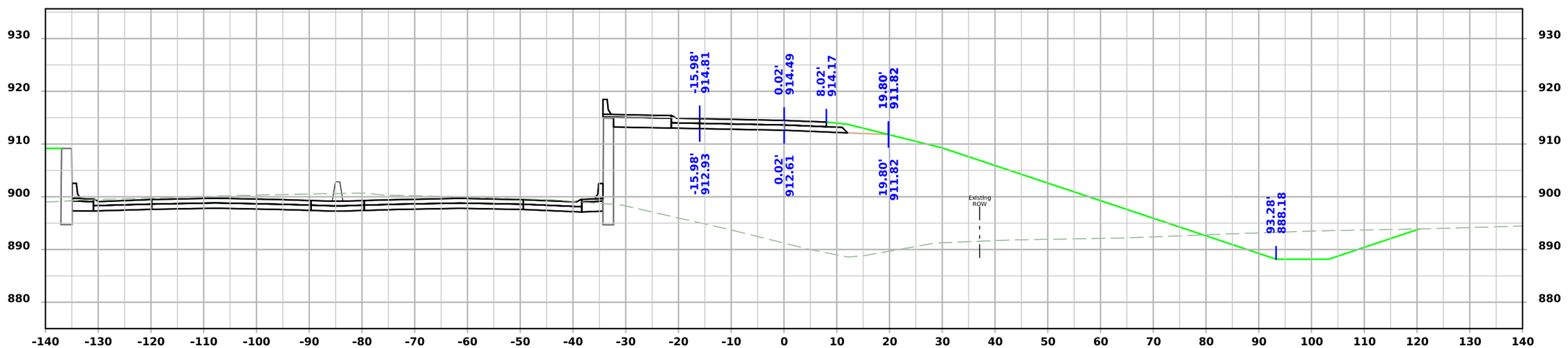
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.57

8:50:10 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\GreenhIll_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_D_07058097Z05.dgn

Ramp D



STA 4227+51.06

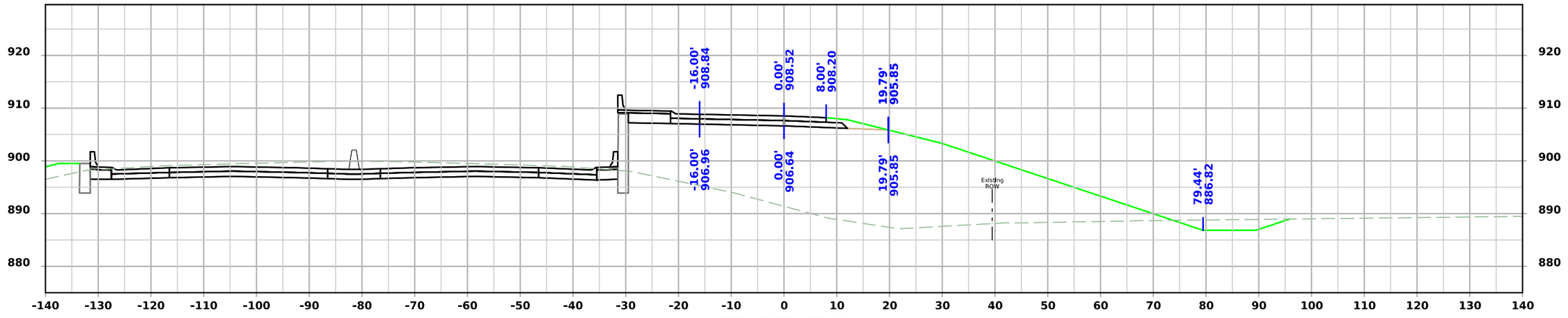


STA 4227+01.06

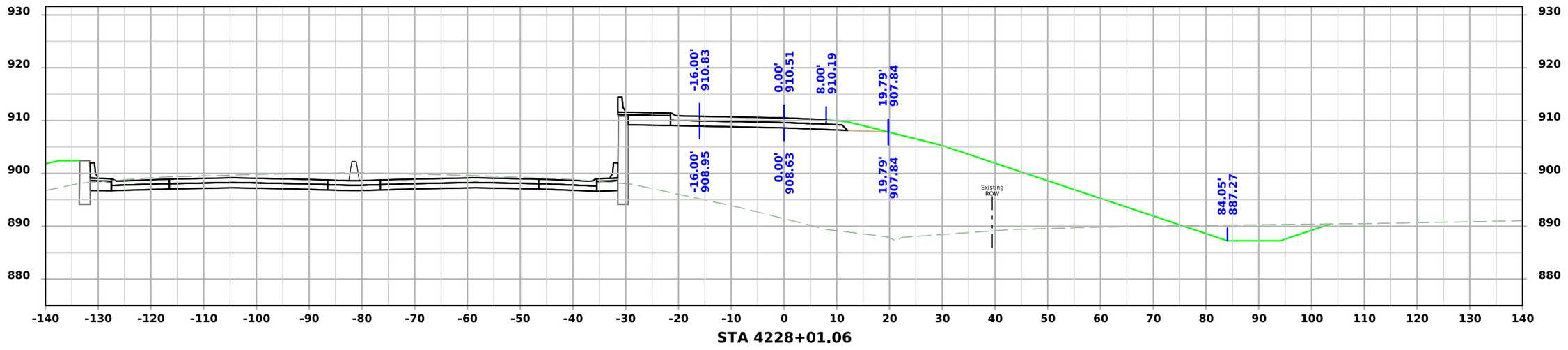
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.58

8:50:11 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_D_07058097Z05.dgn

Ramp D



STA 4228+51.06

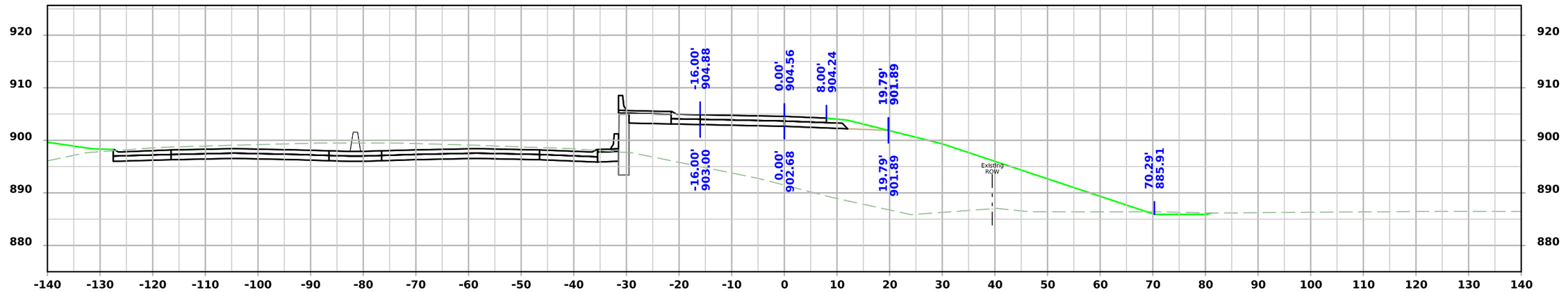


STA 4228+01.06

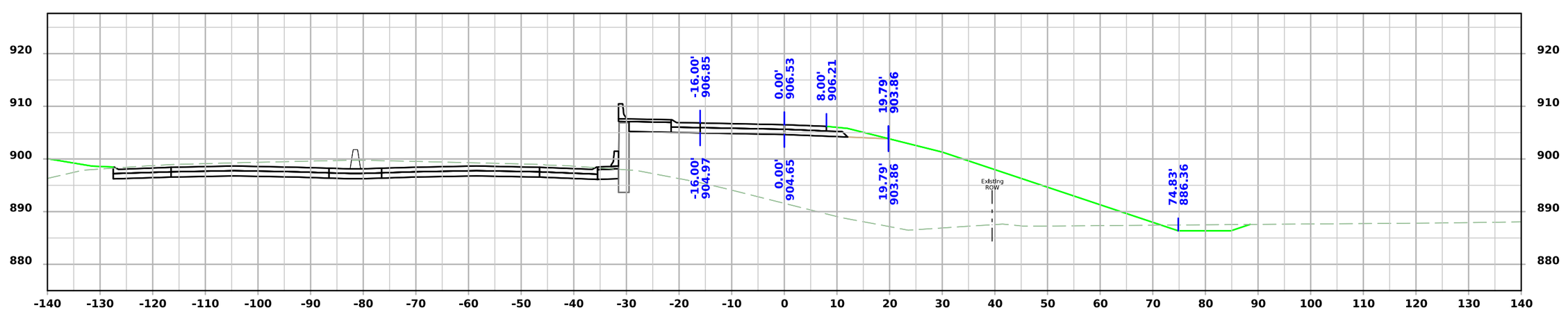
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.59

8:50:12 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_D_07058097Z05.dgn

Ramp D



STA 4229+51.06

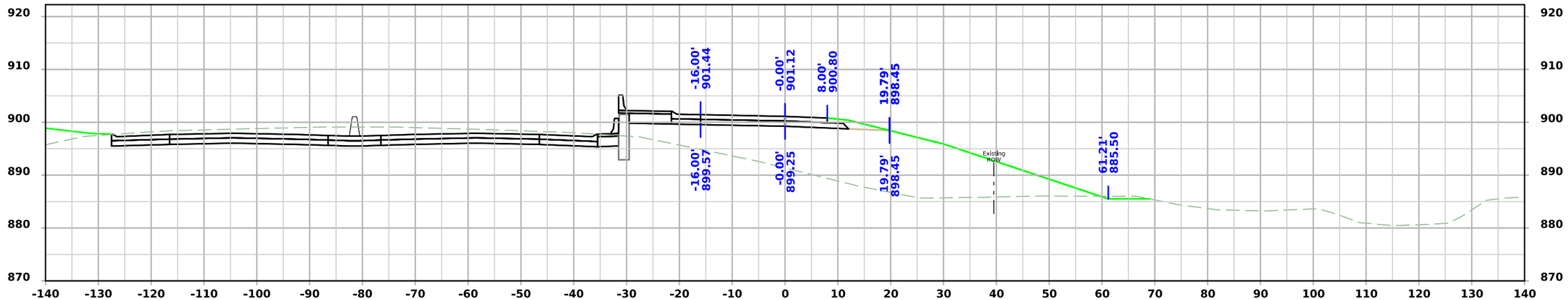


STA 4229+01.06

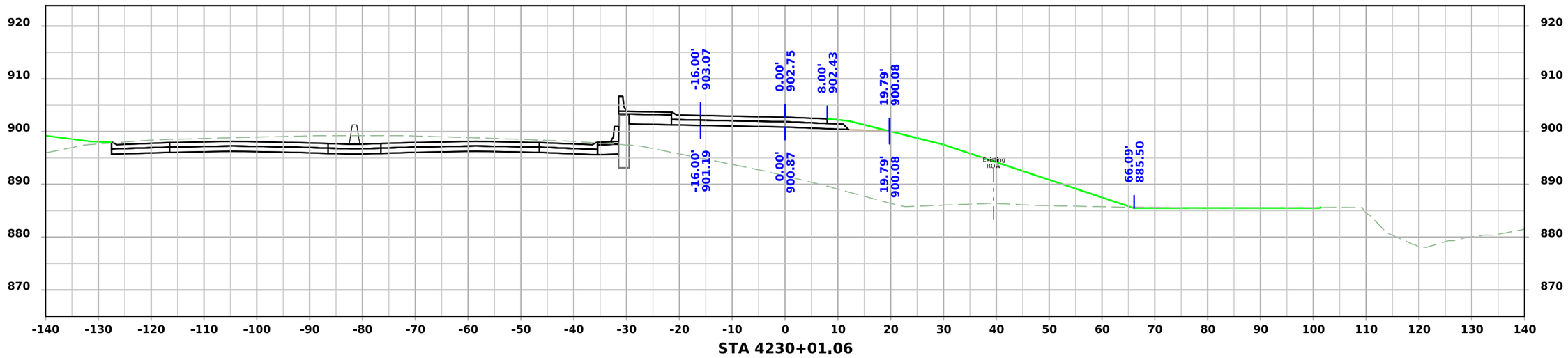
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.60	

8:50:13 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_D_07058097Z05.dgn

Ramp D



STA 4230+51.06

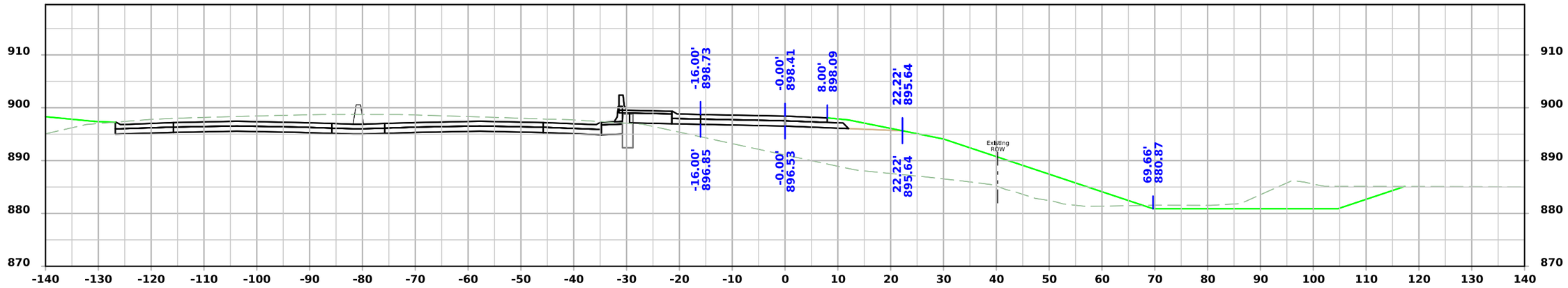


STA 4230+01.06

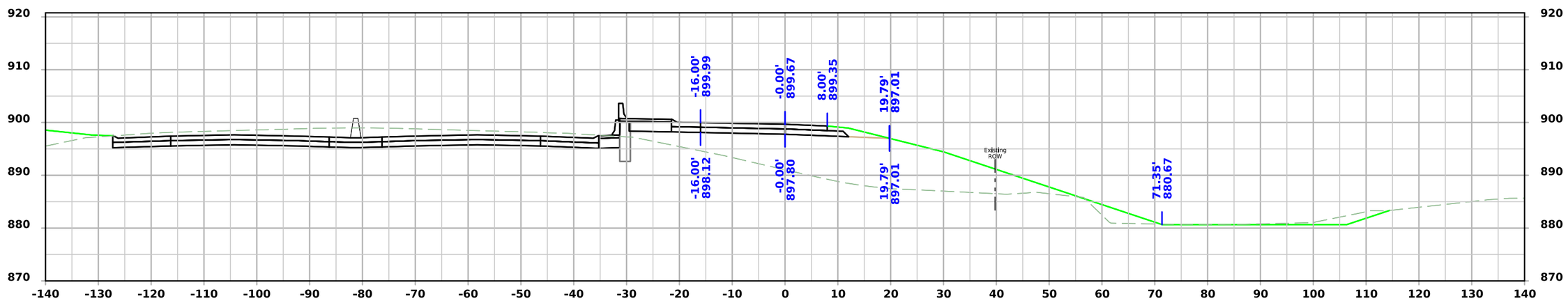
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.61

8:50:14 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_D_07058097Z05.dgn

Ramp D



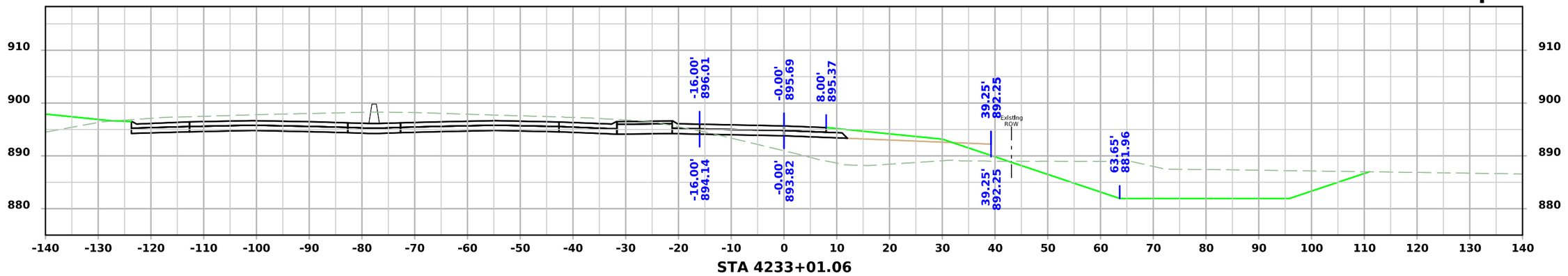
STA 4231+51.06



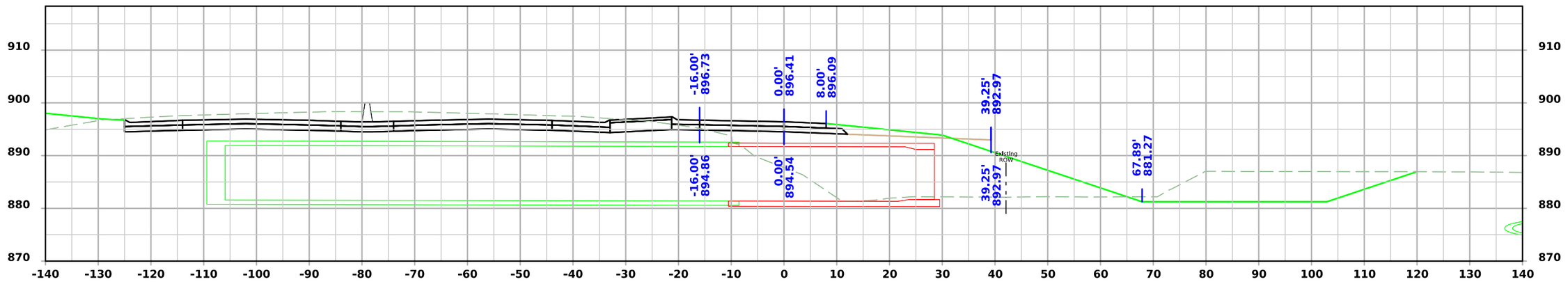
STA 4231+01.06

FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.62

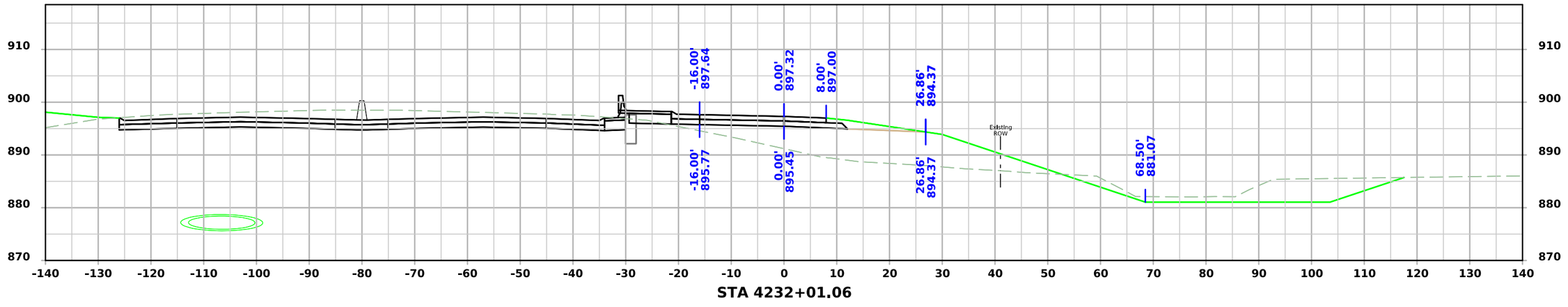
Ramp D



STA 4233+01.06



STA 4232+51.06

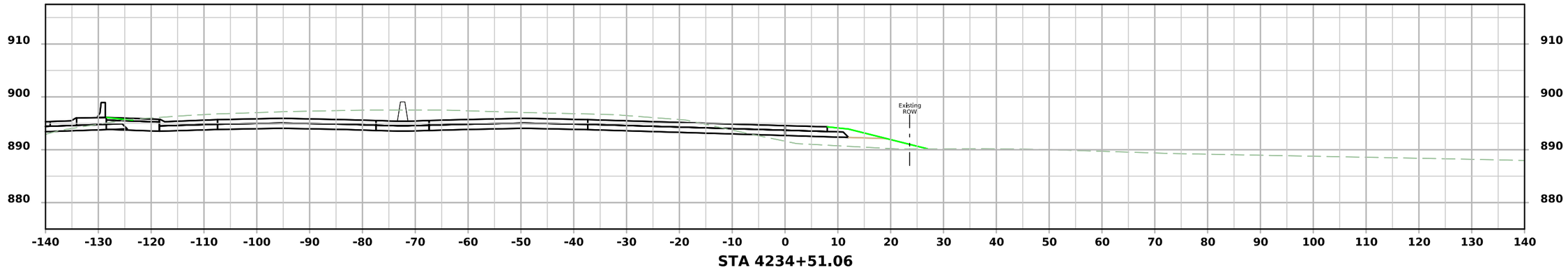


STA 4232+01.06

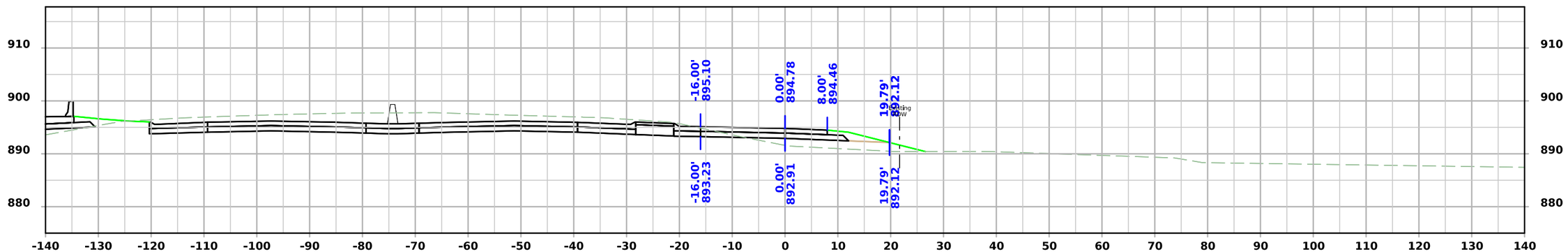
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.63	

8:50:17 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\GreenhIll_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_D_07058097Z05.dgn

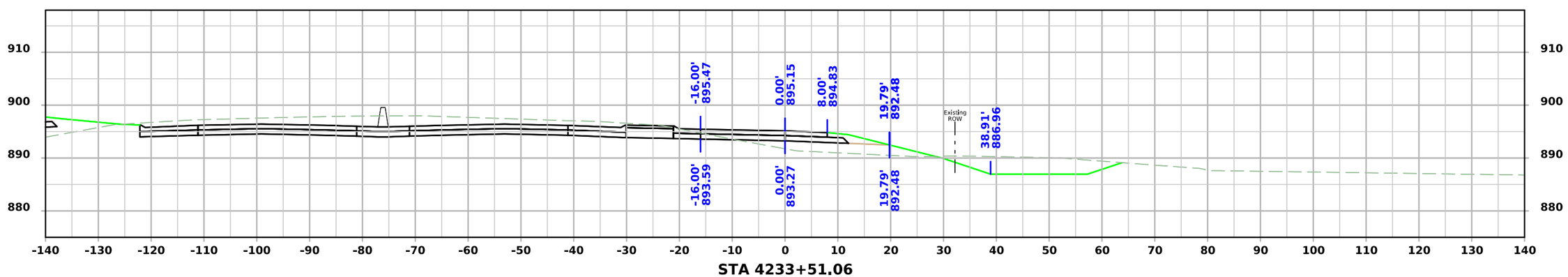
Ramp D



STA 4234+51.06



STA 4234+01.06

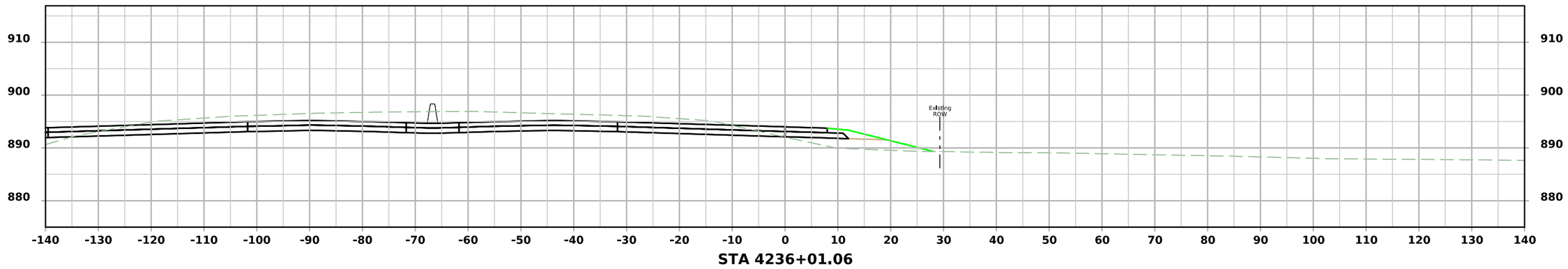


STA 4233+51.06

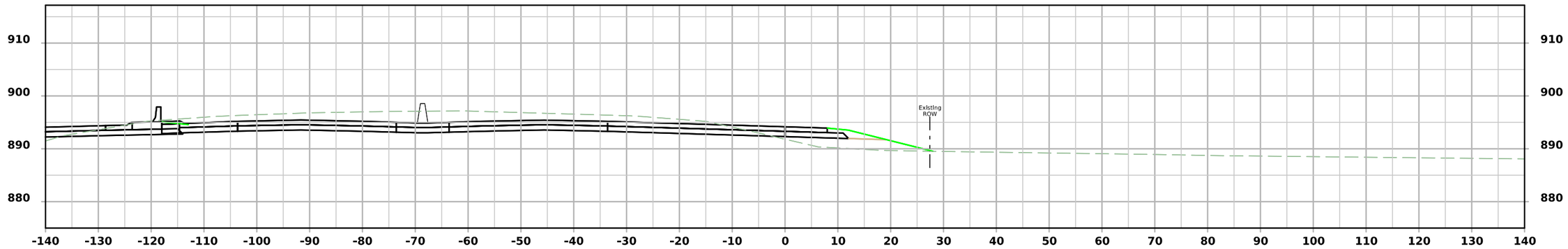
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.64

8:50:19 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_D_07058097Z05.dgn

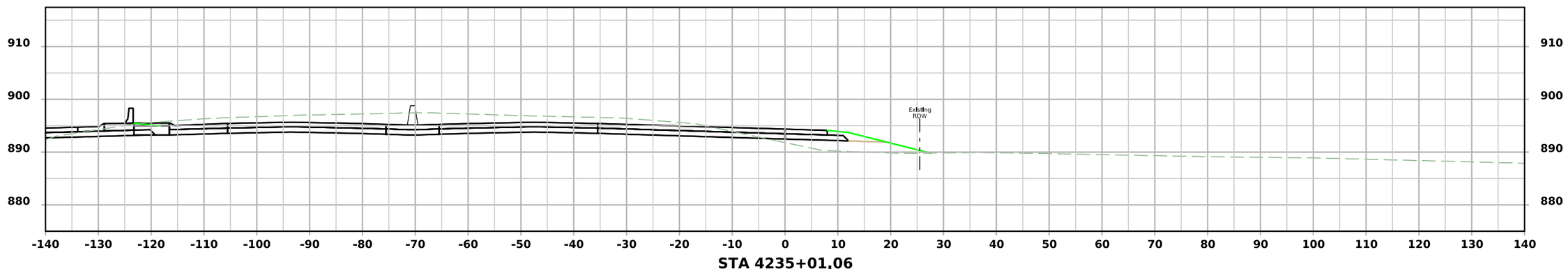
Ramp D



STA 4236+01.06



STA 4235+51.06

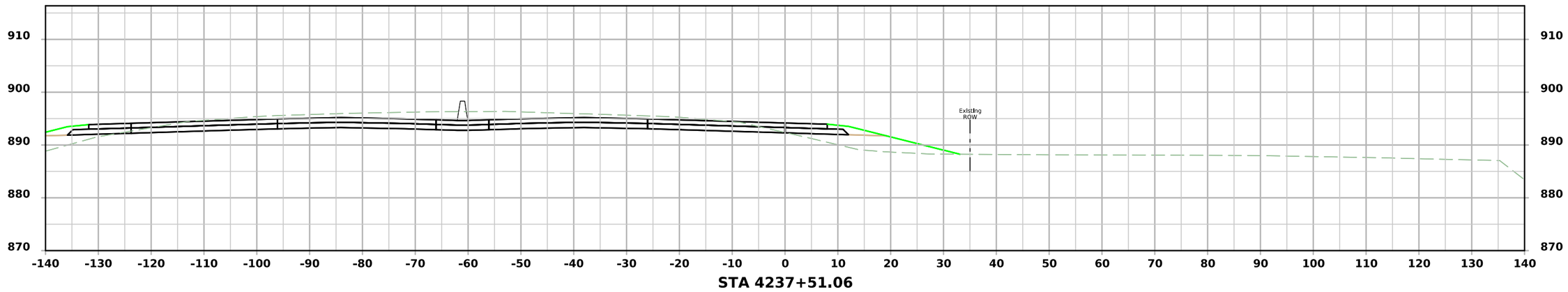


STA 4235+01.06

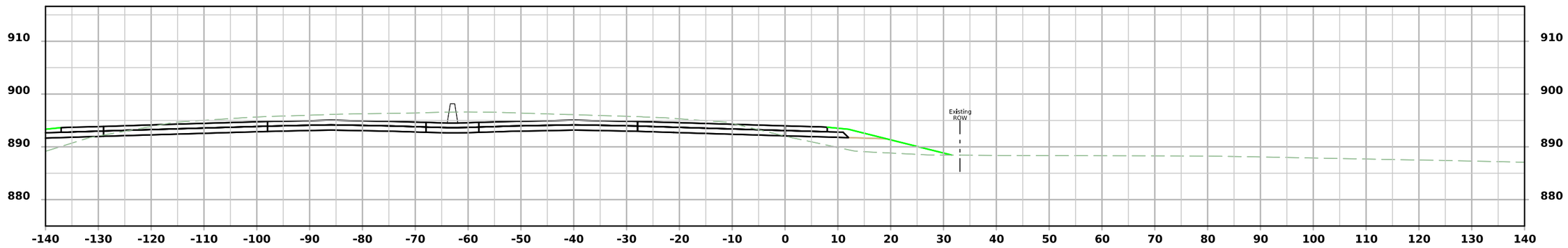
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.65

8:50:20 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_D_07058097Z05.dgn

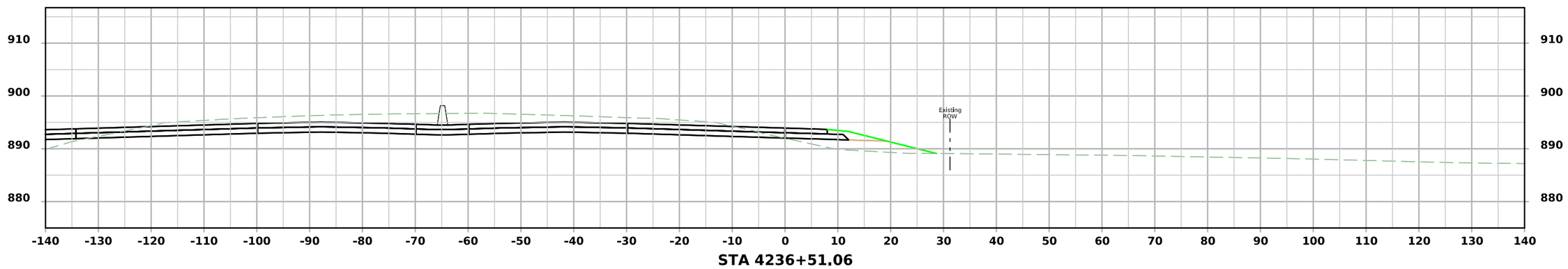
Ramp D



STA 4237+51.06



STA 4237+01.06

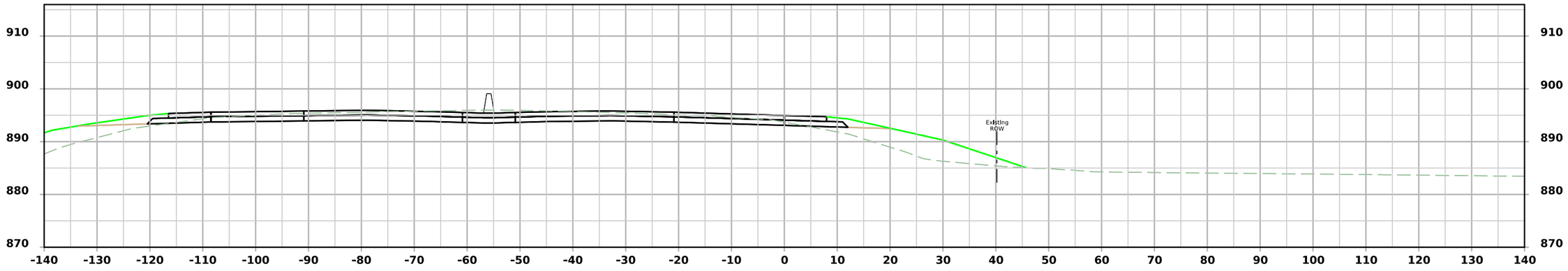


STA 4236+51.06

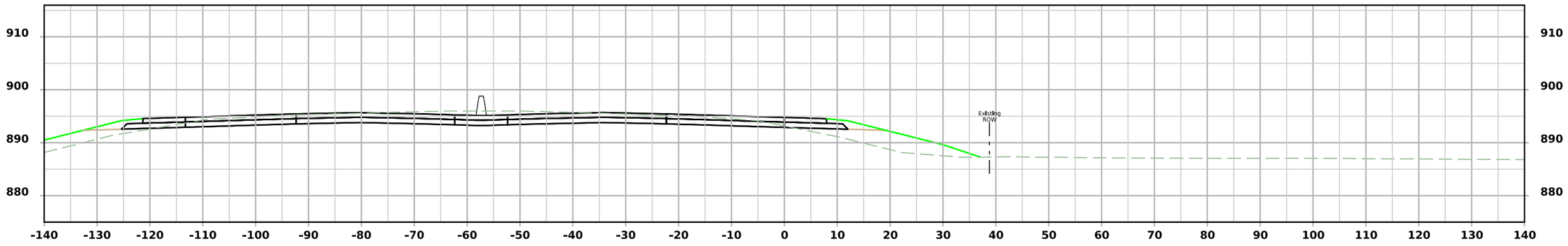
FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.66	

8:50:21 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_D_07058097Z05.dgn

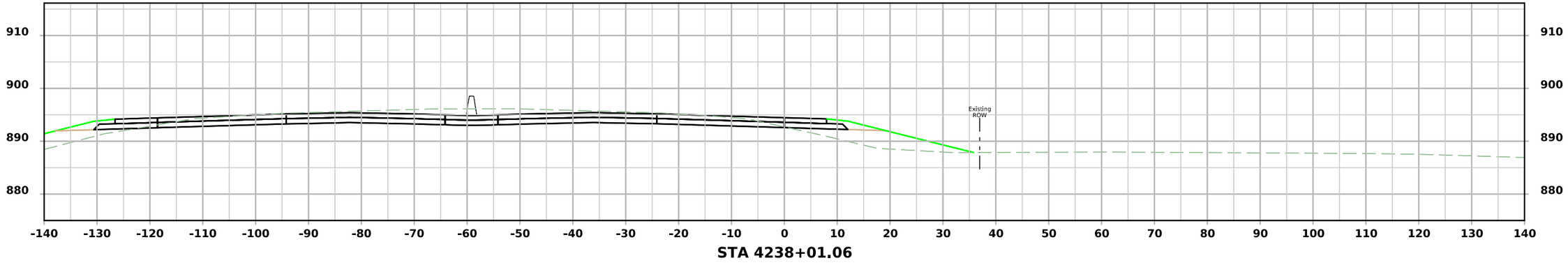
Ramp D



STA 4239+01.06



STA 4238+51.06



STA 4238+01.06

FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.67	

8:50:22 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\GreenhIll_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_D_07058097Z05.dgn

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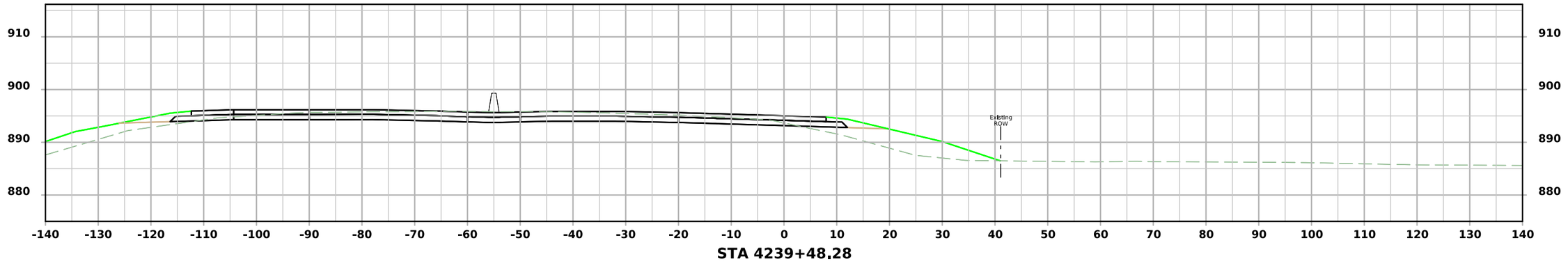

STA 4239+48.28

FILE NO.	ENGLISH	DESIGN TEAM AECOM	BLACK HAWK COUNTY	PROJECT NUMBER NHSX-058-1(097)--3H-07	SHEET NUMBER Y.68

8:50:23 AM 7/22/2025 Michael.Degen pw:\\projectwise.dot.int.lan:PWMain\Documents\Projects\0705801012\Design\Greenhill_Rd_ORD\CADD_Files\Sheet_Files\Y01_RMP_D_07058097Z05.dgn