

LETTING DATE  
 7-18-2023

INDEX OF SHEETS	
No.	DESCRIPTION
<b>A Sheets</b>	<b>Title Sheets</b>
A.1	Title Sheet
A.2	Location Map Sheet
<b>B Sheets</b>	<b>Typical Cross Sections and Details</b>
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<b>D Sheets</b>	<b>Mainline Plan and Profile Sheets</b>
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D.2 - 17	US 63
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<b>F Sheets</b>	<b>Entrance Plan and Profile Sheets</b>
F.1	Jewell Ave. Entrance Sta. 2003+50 Rt.
F.2	Existing Independence Ave. Entrance Sta. 3004+38 Rt.
F.3	Old IA 163 Entrance Sta. 5023+00 Rt.
F.4	Old IA 163 Entrance Sta. 5033+50 Lt.
F.5	Kirby Ave. Entrance Sta. 6006+25 Rt.
F.6	Old US 63 Entrance Sta. 9007+50 Lt.
F.7	North 210th St. Entrance Sta. 10001+25 Lt.
<b>J Sheets</b>	<b>Traffic Control and Staging Sheets</b>
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<b>K Sheets</b>	<b>Interchange Sheets</b>
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K.6	Ramp D Plan and Profile Sheets
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W.1 - 83	US 63
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X.200 - 217	Jewell Avenue
X.300 - 303	Independence Avenue
X.400 - 413	Old IA 163
X.500 - 512	Kirby Avenue
X.600 - 608	220th Street
X.700 - 704	210th Street
X.800 - 804	Old US 63
X.900 - 901	North 210th Street
X.1000 - 1015	North 210th Street
<b>Y Sheets</b>	<b>Ramp Cross Sections</b>
Y.100 - 105	Ramp A
Y.200 - 205	Ramp B
Y.300 - 304	Ramp C
Y.400 - 404	Ramp D



PLANS OF PROPOSED IMPROVEMENT ON THE  
**PRIMARY ROAD SYSTEM**  
**MAHASKA COUNTY**  
**PRELIMINARY ENGINEERING**

NW Bypass of Oskaloosa

SCALES: As Noted

Refer to the Proposal Form for list of applicable specifications.

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



REVISIONS

TOTAL

282

PROJECT IDENTIFICATION NUMBER

13-62-063-020

PROJECT NUMBER

NHSX-063-3(93)--3H-62

R.O.W. PROJECT NUMBER

NHSN-063-3(94)--2R-62

Z Sheets	Cross Sections at Entrance Locations
Z.1	235th Street
Z.2	North Shore Drive
Z.3	Existing North Shore Drive
Z.4	Jewell Avenue
Z.5	Independence Avenue
Z.6 - 7	Old IA 163
Z.8	Kirby Avenue
Z.9	220th Street
Z.10	Old US 63
Z.11	Existing Independence Ave. Entrance Sta. 3004+38 Rt.
Z.12	Kirby Ave. Entrance Sta. 6006+25 Rt.

Grading: NHSX-063-3(95)--3H-62

Letting Date: 10-15-24

Paving: NHSX-063-3(98)--3H-62

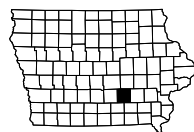
Letting Date: 12-15-26

Preliminary Earthwork:

Cut = 3,113,120 CY

Fill + 30% shrink = 988,962 CY

For Project Location Map  
Refer to Sheet A.2



US63 Through Oskaloosa	
DESIGN DATA RURAL	
2014 AADT	5,300-7,500 V.P.D.
2040 AADT	5,200-8,800 V.P.D.
20-- DHV	-- V.P.H.
TRUCKS	8-13 %
Total Design ESALs	--

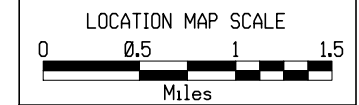
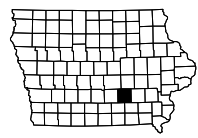
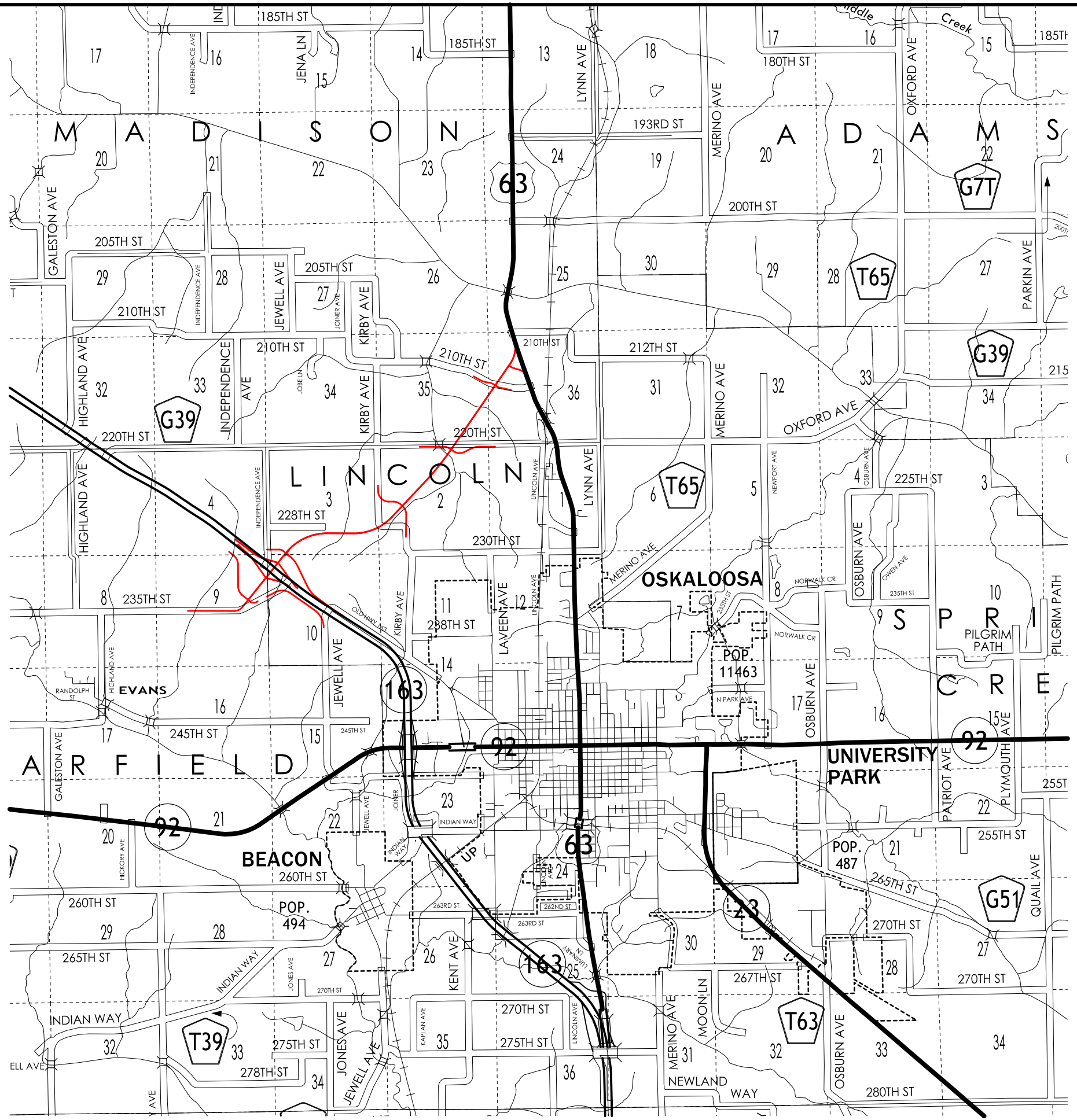
US63 North of Oskaloosa	
DESIGN DATA RURAL	
2014 AADT	3,500-4,500 V.P.D.
2040 AADT	4,200-6,700 V.P.D.
20-- DHV	-- V.P.H.
TRUCKS	12-20 %
Total Design ESALs	--

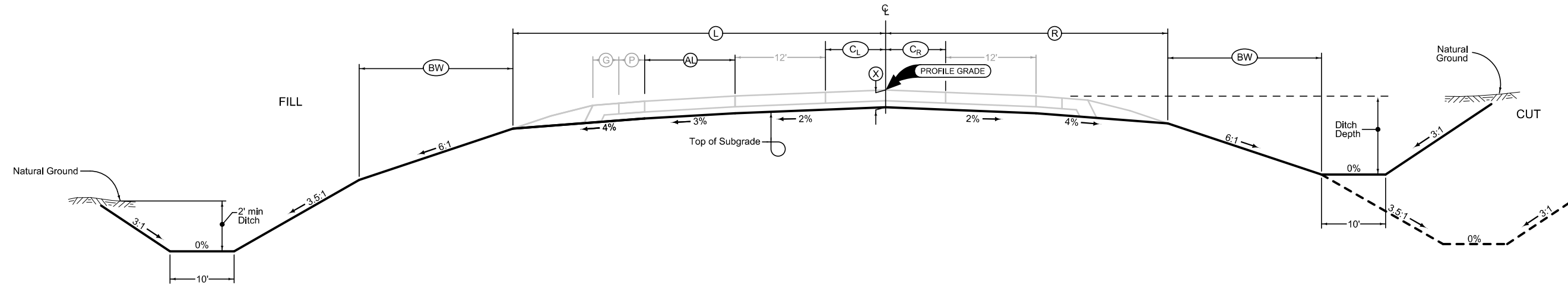
INDEX OF SEALS		
SHEET NO.	NAME	TYPE
A.1	X	Primary Signature Block

**PRELIMINARY PLANS**

Subject to change by final design.

**D5 PLAN REVISION -**  
**Date: 2-14-23**



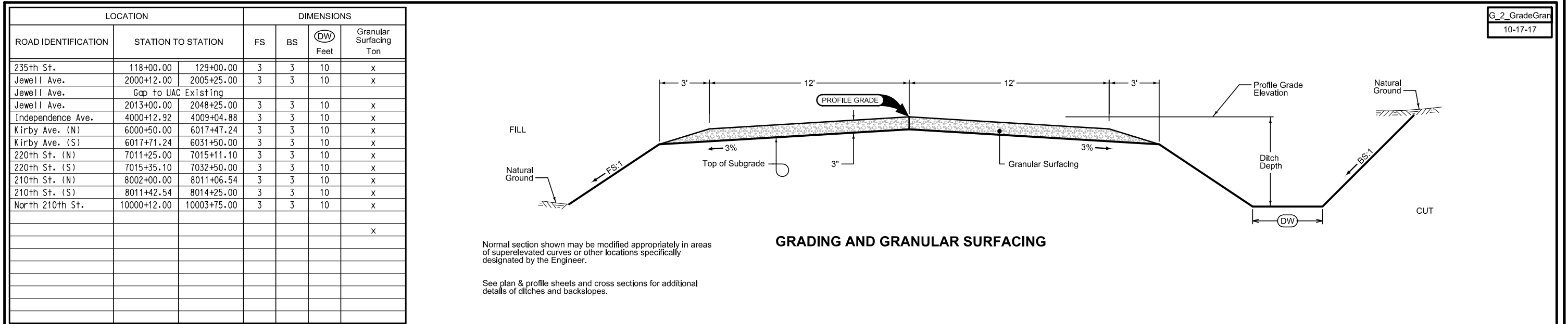
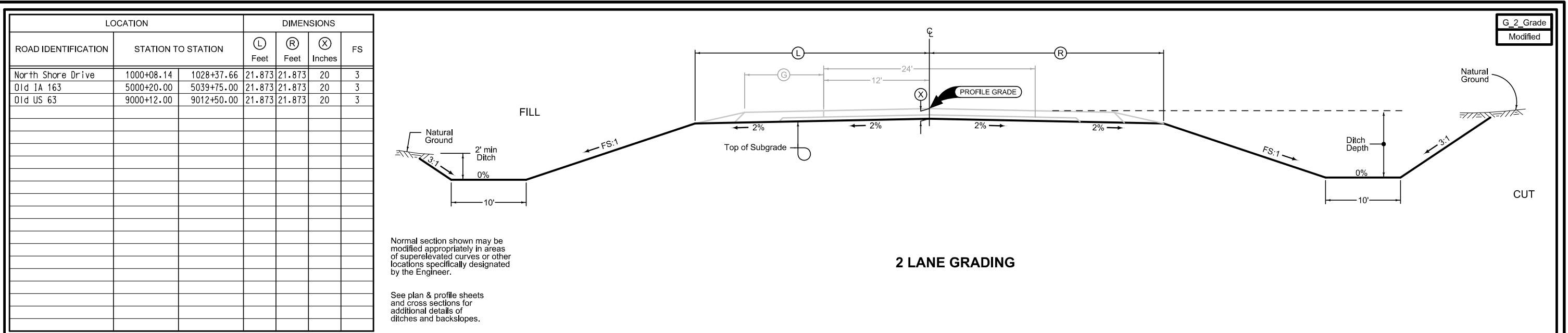


LOCATION		DIMENSIONS							
ROAD IDENTIFICATION	STATION TO STATION	(L) Feet	(R) Feet	(X) Inches	(CL) Feet	(CR) Feet	(AL) Feet	(BW) Feet	
US 63	129+00.00 - 138+00.00	34.63	34.63	16	0	0	0	16.57	
US 63	138+00.00 - 142+80.00	34.63-42.63	34.63-42.63	16	0-8	0-8	0	16.57	
US 63	142+80.00 - 162+25.00	42.63	42.63	16	8	8	0	16.57	
US 63	162+25.00 - 167+05.00	42.63-34.63	42.63-34.63	16	8-0	8-0	0	16.57	
US 63	167+05.00 - 282+80.00	34.63	34.63	16	0	0	0	16.57	
US 63	282+80.00 - 290+00.00	34.63-46.63	34.63	16	0	0	0-12	16.57	
US 63	290+00.00 - 295+15.00	46.63	34.63	16	0	0	12	16.57	
US 63	295+15.00 - 304+75.00	46.63-62.63	34.63	16	0-16	0	12	16.57	
US 63	304+75.00 - 308+85.00	62.63	34.63	16	16	0	12	16.57	
US 63	308+85.00 - 318+45.00	62.63-46.63	34.63	16	16-0	0	12	16.57	
US 63	318+45.00 - 322+00.00	46.63	34.63	16	0	0	12	16.57	

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

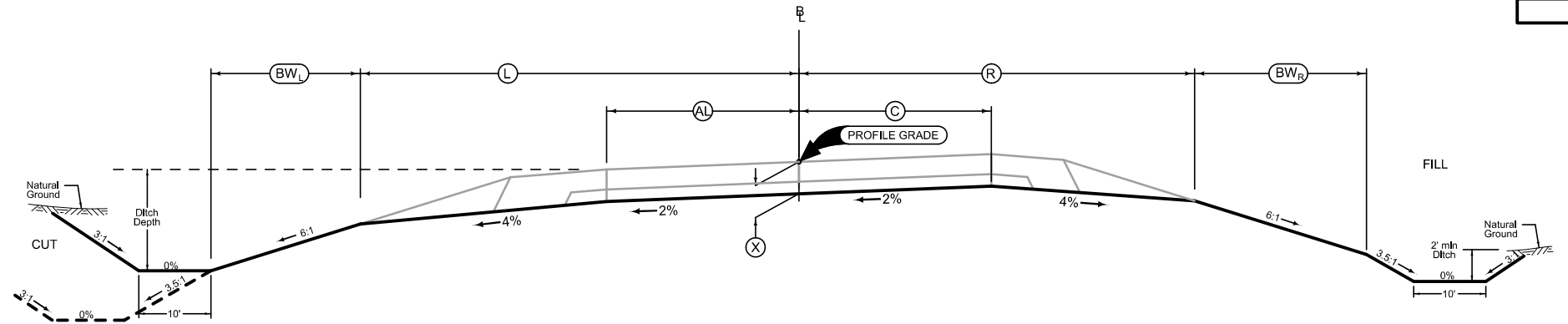
See Plan & Profile sheets and cross sections for additional details of ditches and backslopes.

**2 LANE GRADING  
(Barnroof Section)**



LOCATION				DIMENSIONS							
INTERCHANGE	RAMP	STATION TO STATION		(L) Feet	(R) Feet	(C) Feet	(AL) Feet	(X) Inches	(BW <sub>L</sub> ) Feet	(BW <sub>R</sub> ) Feet	
IA 163 / US 63	A	11255+99.20	11258+85.00	27.500	33.768	16	8	22	16.654	16.867	
IA 163 / US 63	A	11258+85.00	11259+65.00	27.5-19.5	33.768	16	8-0	22	16.654	16.867	
IA 163 / US 63	A	11259+65.00	11270+96.11	19.501	33.768	16	0	22	16.654	16.867	

G\_Ramp\_1

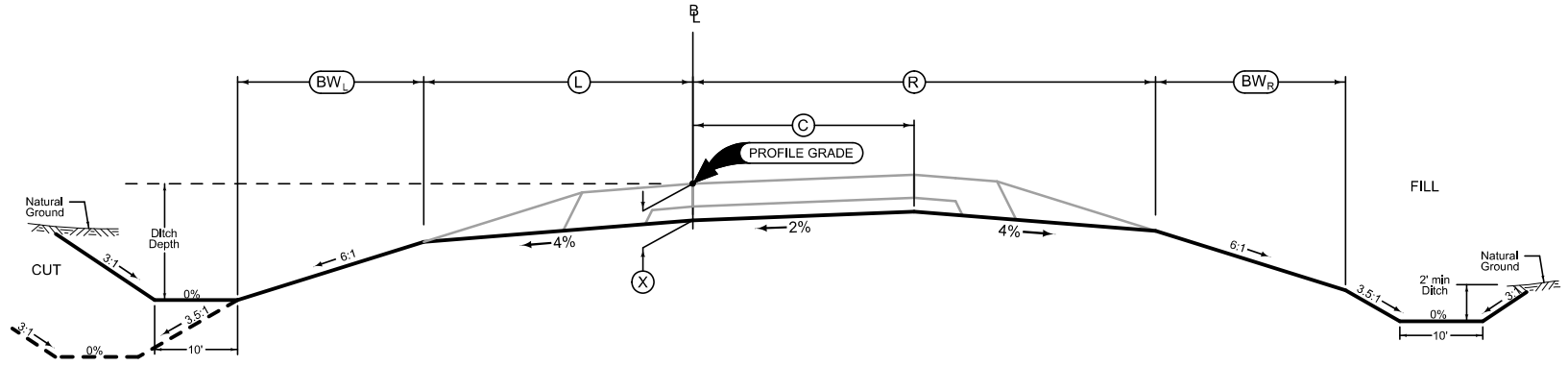


RAMP GRADING

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

LOCATION				DIMENSIONS							
INTERCHANGE	RAMP	STATION TO STATION		(L) Feet	(R) Feet	(C) Feet	(X) Inches	(BW <sub>L</sub> ) Feet	(BW <sub>R</sub> ) Feet		
IA 163 / US 63	C	31245+78.66	31256+72.58	19.501	33.768	16	22	16.654	16.867		

G\_Ramp\_2

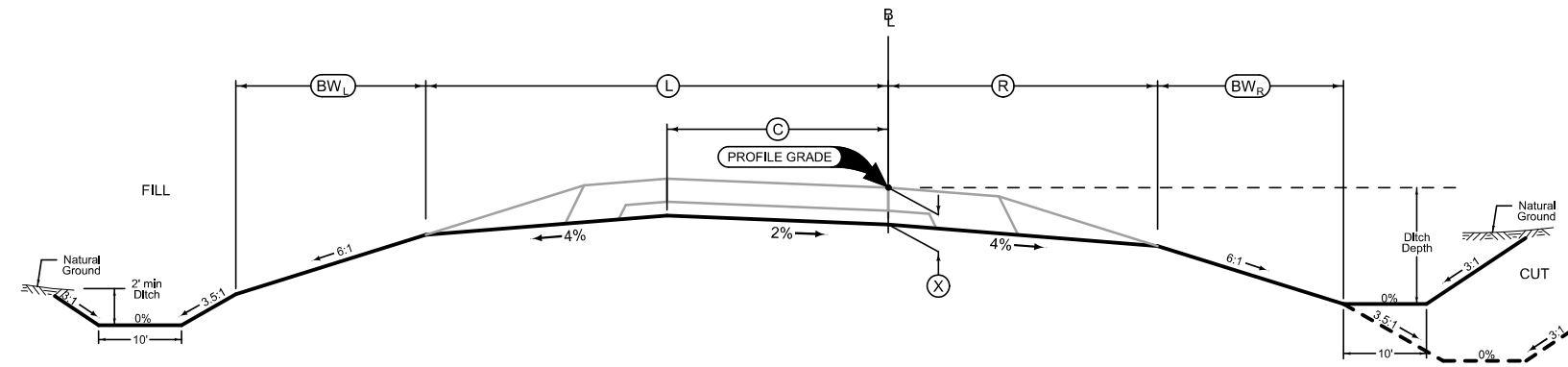


RAMP GRADING

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

LOCATION				DIMENSIONS							
INTERCHANGE	RAMP	STATION TO STATION		(L) Feet	(R) Feet	(C) Feet	(X) Inches	(BW <sub>L</sub> ) Feet	(BW <sub>R</sub> ) Feet		
IA 163 / US 63	B	21242+00.00	21256+53.19	33.771	19.496	16	22	16.864	16.659		
IA 163 / US 63	D	41255+76.01	41265+75.98	33.771	19.496	16	22	16.864	16.659		

G\_Ramp\_3



RAMP GRADING

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

**Full Depth PCC Combination Shoulder**

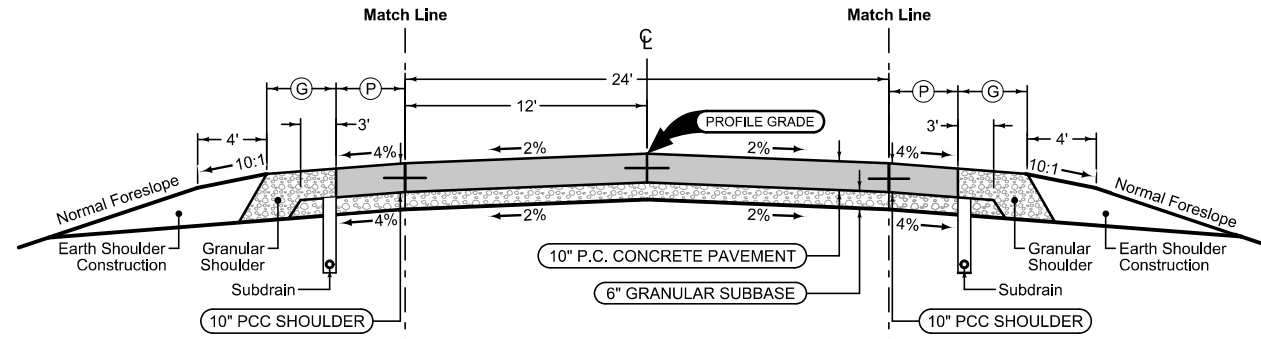
Shoulder Jointing:  
 Longitudinal joint: L-2 or KT-2  
 Transverse joints: Match Mainline

2_C_FullPCC_04-21-20		(P)	(G)
STATION TO STATION		Feet	Feet
129+00.00	154+45.00	6	4
158+75.00	282+80.00	6	4

**Full Depth PCC Combination Shoulder**

Shoulder Jointing:  
 Longitudinal joint: L-2 or KT-2  
 Transverse joints: Match Mainline

2_C_FullPCC_04-21-20		(P)	(G)
STATION TO STATION		Feet	Feet
129+00.00	155+30.00	6	4
158+00.00	301+80.00	6	4
304+70.00	322+00.00	6	4



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

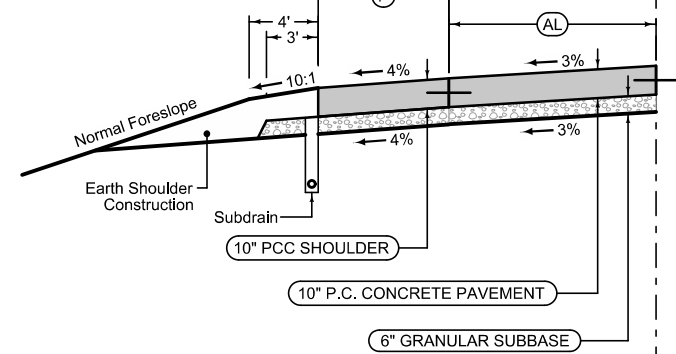
2P_04-21-20	
STATION TO STATION	
129+00.00	138+00.00
167+05.00	295+15.00
318+45.00	322+00.00

**Auxiliary Lane Full Depth Shoulder**

Longitudinal joint: L or KT  
 Transverse joint: Match Mainline

Shoulder Jointing:  
 Longitudinal joint: L-2 or KT-2  
 Transverse joints: Match Mainline

2_AuxLane_PCC_10-18-16		(AL)	(P)
STATION TO STATION		Feet	Feet
154+45.00	157+55.00	12	6
157+55.00	158+75.00	12-0	6



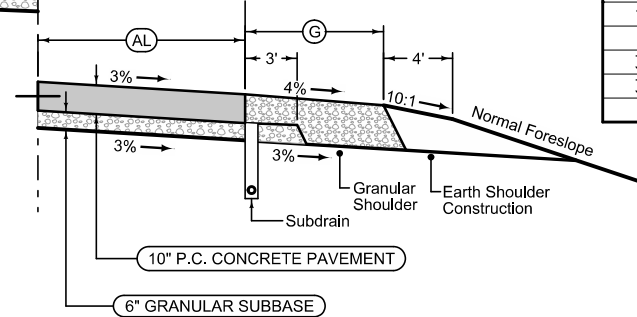
Mainline Jointing:  
 Longitudinal joint: L-2  
 Transverse joints: CD at 17' spacing

2P_TWLTL_10-19-10			
STATION TO STATION		(C <sub>L</sub> )	(C <sub>R</sub> )
		Feet	Feet
138+00.00	142+80.00	0-8	0-8
142+80.00	147+57.50	8	8
Gap for Bridge			
150+12.50	162+25.00	8	8
162+25.00	167+05.00	8-0	8-0
295+15.00	304+75.00	0-16	0
304+75.00	308+85.00	16	0
308+85.00	318+45.00	16-0	0

**Auxiliary Lane Granular Shoulder**

Longitudinal joint: L or KT  
 Transverse joint: Match Mainline

2_AuxLane_PCC_10-18-16		(AL)	(G)
STATION TO STATION		Feet	Feet
155+30.00	156+50.00	0-12	6
156+50.00	158+00.00	12	6
301+80.00	303+00.00	0-12	6
303+00.00	304+70.00	12	6

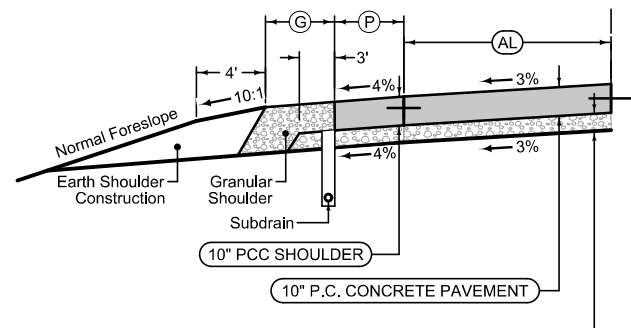


**Auxiliary Lane Full Depth PCC Combination Shoulder**

Longitudinal joint: L or KT  
 Transverse joint: Match Mainline

Shoulder Jointing:  
 Longitudinal joint: L-2 or KT-2  
 Transverse joints: Match Mainline

2_AuxLane_PCC_10-18-16		(AL)	(P)	(G)
STATION TO STATION		Feet	Feet	Feet
282+80.00	290+00.00	0-12	6	4
290+00.00	322+00.00	12	6	4

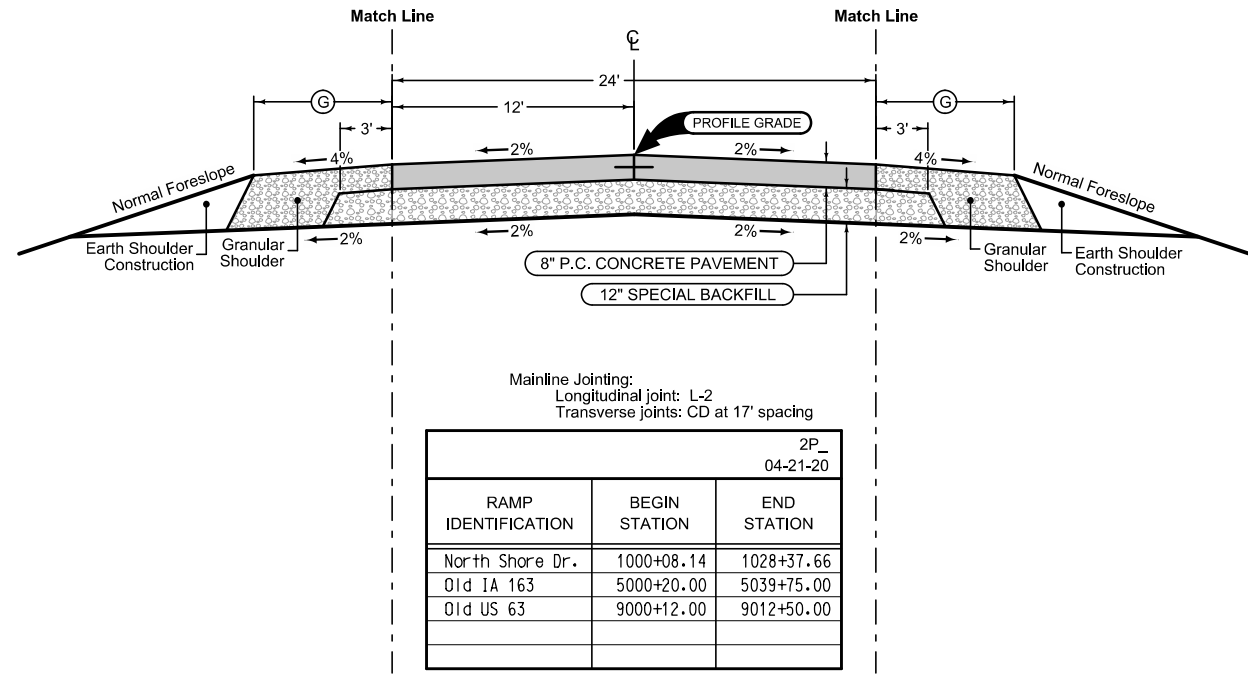


See Tab 100-24 or 100-25 for pavement quantities.  
 See Tab 112-9 for shoulder quantities.

**US 63**

**Granular Shoulder**

2_G_SR_04-21-20			
RAMP IDENTIFICATION	BEGIN STATION	END STATION	Ⓞ Feet
North Shore Dr.	1000+08.14	1028+37.66	6
Old IA 163	5000+20.00	5039+75.00	6
Old US 63	9000+12.00	9012+50.00	6



2P_04-21-20		
RAMP IDENTIFICATION	BEGIN STATION	END STATION
North Shore Dr.	1000+08.14	1028+37.66
Old IA 163	5000+20.00	5039+75.00
Old US 63	9000+12.00	9012+50.00

**Granular Shoulder**

2_G_SR_04-21-20			
RAMP IDENTIFICATION	BEGIN STATION	END STATION	Ⓞ Feet
North Shore Dr.	1000+08.14	1028+37.66	6
Old IA 163	5000+20.00	5039+75.00	6
Old US 63	9000+12.00	9012+50.00	6

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

**Paved Side Roads**

### Full Depth PCC Shoulder

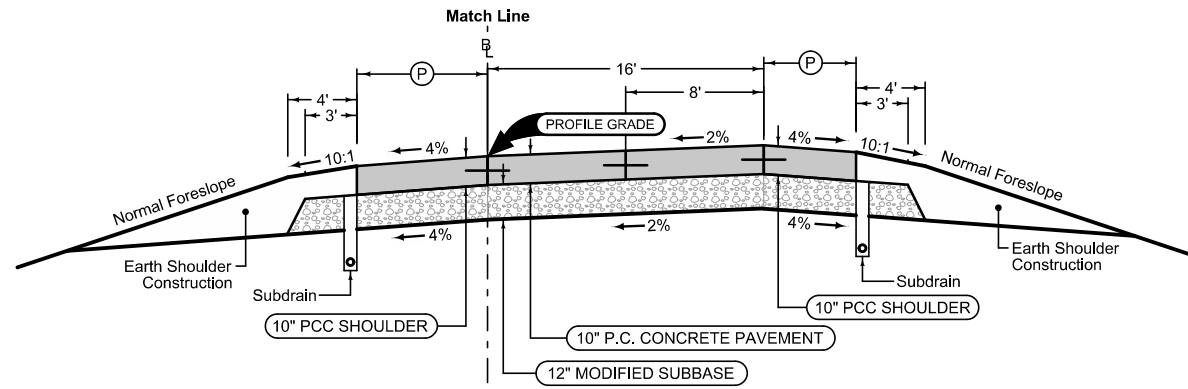
Shoulder Jointing:  
 Longitudinal joint: L-2 or KT-2  
 Transverse joints: Match Ramp

2_P_FullPCC_10-19-10			
RAMP IDENTIFICATION	BEGIN STATION	END STATION	(P) Feet
Ramp A	11255+99.20	11270+96.11	6

### Full Depth PCC Shoulder

Shoulder Jointing:  
 Longitudinal joint: L-2 or KT-2  
 Transverse joints: Match Ramp

2_P_FullPCC_10-19-10			
RAMP IDENTIFICATION	BEGIN STATION	END STATION	(P) Feet
Ramp A	11255+99.20	11270+96.11	4



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

1RP_10-17-17		
RAMP IDENTIFICATION	BEGIN STATION	END STATION
Ramp A	11255+99.20	11270+96.11

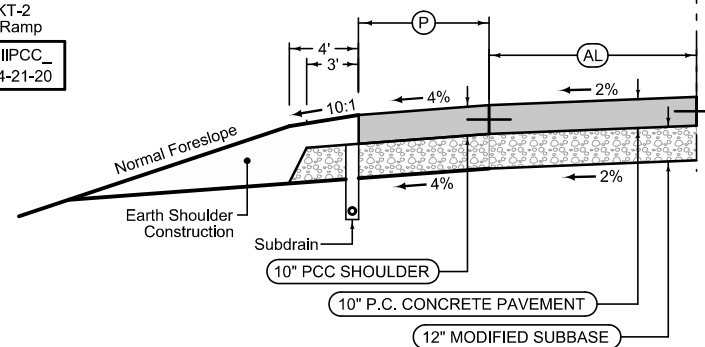
### Auxiliary Lane Full Depth Shoulder

Shoulder Jointing:  
 Longitudinal joint: L-2 or KT-2  
 Transverse joints: Match Ramp

### Auxiliary Lane

Longitudinal joint: L or KT  
 Transverse joint: Match Ramp

2_AuxLane_PCC_10-18-16		2_AL_Shldr_FullPCC_04-21-20	
STATION TO STATION	(AL) Feet	(P) Feet	
11255+99.20 - 11258+85.00	8	6	
11258+85.00 - 11259+65.00	8-0	6	



See Tab 100-24 or 100-25 for pavement quantities.

See Tab 112-9 for shoulder quantities.

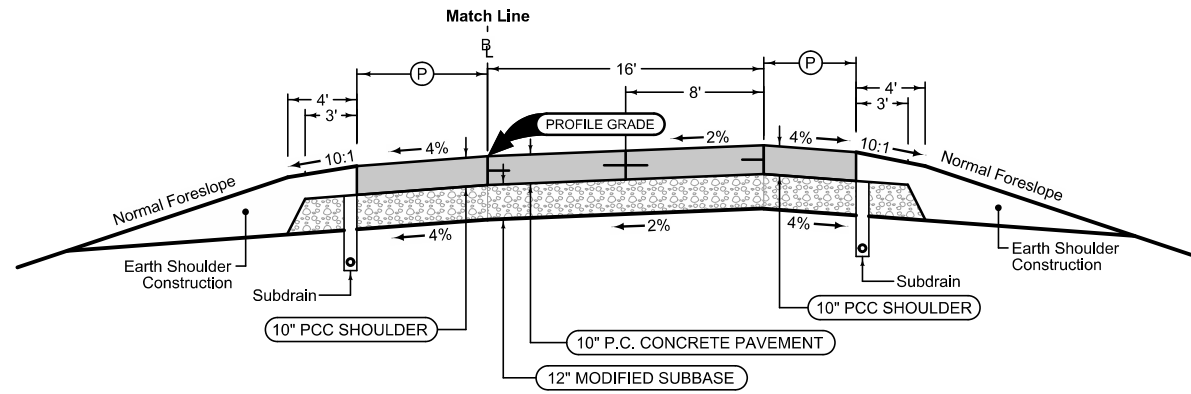
## US 163/US 63 Ramp A



### Full Depth PCC Shoulder

Shoulder Jointing:  
 Longitudinal joint: L-2 or KT-2  
 Transverse joints: Match Ramp

2_P_FullPCC_10-19-10			
RAMP IDENTIFICATION	BEGIN STATION	END STATION	(P) Feet
Ramp C	31245+78.66	31256+72.58	6



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

1RP_10-17-17		
RAMP IDENTIFICATION	BEGIN STATION	END STATION
Ramp C	31245+78.66	31256+72.58

### Full Depth PCC Shoulder

Shoulder Jointing:  
 Longitudinal joint: L-2 or KT-2  
 Transverse joints: Match Ramp

2_P_FullPCC_10-19-10			
RAMP IDENTIFICATION	BEGIN STATION	END STATION	(P) Feet
Ramp C	31245+78.66	31256+72.58	4

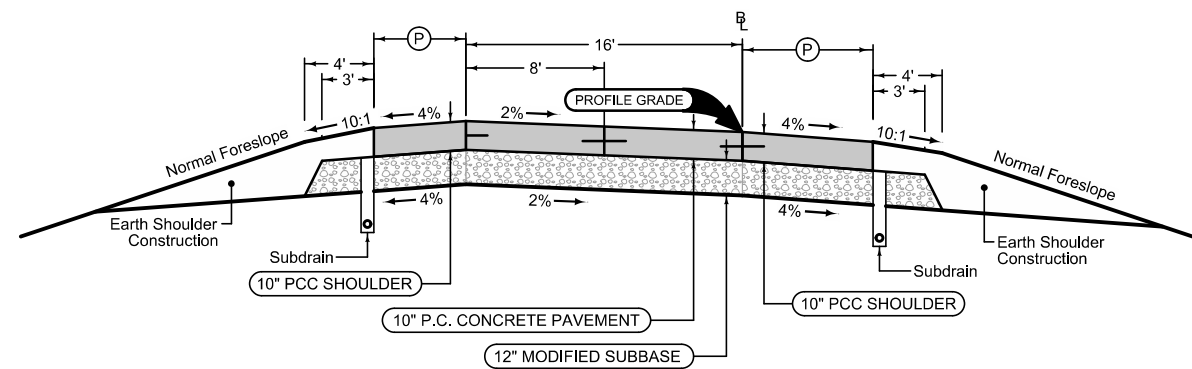
See Tab 100-24 or 100-25 for pavement quantities.  
 See Tab 112-9 for shoulder quantities.

### US 163/US 63 Ramp C

### Full Depth PCC Shoulder

Shoulder Jointing:  
 Longitudinal joint: L-2 or KT-2  
 Transverse joints: Match Ramp

2_P_FullPCC_10-19-10			
RAMP IDENTIFICATION	BEGIN STATION	END STATION	(P) Feet
Ramp B	21242+00.00	21256+53.19	4
Ramp D	41255+76.01	41265+75.98	4



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

1RP_10-17-17		
RAMP IDENTIFICATION	BEGIN STATION	END STATION
Ramp B	21242+00.00	21256+53.19
Ramp D	41255+76.01	41265+75.98

### Full Depth PCC Shoulder

Shoulder Jointing:  
 Longitudinal joint: L-2 or KT-2  
 Transverse joints: Match Ramp

2_P_FullPCC_10-19-10			
RAMP IDENTIFICATION	BEGIN STATION	END STATION	(P) Feet
Ramp B	21242+00.00	21256+53.19	6
Ramp D	41255+76.01	41265+75.98	6

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

### US 163/US 63 Ramp B & D

### SURVEY SYMBOLS

- CP Control Point
- WC Wild Card (Misc. Field Shot)
- BL Topo Breakline
- D Centerline Draw or Stream (Down)
- PPA Power Pole Co. 1
- PR Electric Riser Pole
- ENU Edge Unpaved Entrance & Parking
- WV Water Valve
- ENT Centerline BL of Entrance
- DU Centerline Draw or Stream (Up)
- EG Edge of Gravel Road
- C Centerline BL of Road (ML or SR)
- SIGN
- CON Concrete or A/C Slab
- TLNL Tree Line Left
- TP TPD Telephone Pedestal
- GP Guard Post (Less Than 4 Posts)
- FHD Fire Hydrants
- BLD Building or Foundation
- FW Wire Fence
- TLNR Tree Line Right
- LIN Miscellaneous Line
- RET Retaining Walls
- INB Storm Sewer Beehive Intake
- BNK Stream Bank
- MIS Miscellaneous
- W WL1D Water Line Co. 1 - Quality D
- G GL1D Gas Line Co. 1 - Quality D
- T1 TL1D Telephone Line Co. 1 - Quality D
- GR Ground Shot
- E1 EL1D Electric Line Co. 1 - Quality D
- EB Electrical Box
- UB Utility Box
- W2 WL2D Water Line Co. 2 - Quality D
- ENP Edge Paved Entrance & Park Lot
- FWD Wood Fence
- SNP Unpaved Shoulder
- FO FO1D Fiber Optic Co. 1 - Quality D
- SAN SA1D Sanitary Sewer Co. 1- Quality D
- MH Utility Access (Manhole)
- UV Underground Utility Vault
- F02 FO2D Fiber Optic Co. 2 - Quality D
- UPH Utility Pot Hole - Quality A
- PIP Pipe Culvert
- PRO Profile Shot
- PLG Location of General Photo
- CUL Culvert
- SH Paved Shoulder
- EP Edge of Paved Roads (ML or SR)
- GU Gutter In Front of Curb
- CU Back of Curb
- UE Utility Elevation

### UTILITY LEGEND

- PPA Power Pole Co. 1
- PR Electric Riser Pole
- E1 MidAmerican Energy - Quality D
- G MidAmerican Energy - Quality D
- G2 Kinder Morgan - Quality D
- F0 Centurylink - Quality D
- F02 Iowa Communications Network - Quality D
- SAN Oskaloosa Municipal Utilities- Quality D
- T1 Centurylink - Quality D
- W Oskaloosa Municipal Utilities - Quality D
- W2 Mahaska Rural Water - Quality D

### PLAN VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS

LINEWORK	Design Color No.	
Green	(2)	Existing Topographic Features and Labels
Blue	(1)	Proposed Alignment, Stationing, Tic Marks, and Alignment Annotation
Magenta	(5)	Existing Utilities
SHADING		
Design Color No.		
Lavender	(9)	Temporary Pavement Shading
Yellow	(4)	Proposed Pavement Shading
Orange	(6)	Proposed Granular Shading
Yellow	(68)	Proposed Shoulder, Paved Full Depth
Yellow	(132)	Proposed Shoulder, Paved Partial Depth
Orange	(70)	Proposed Shoulder, Granular
Yellow	(220)	Proposed Entrance, Paved
Orange	(134)	Proposed Entrance, Granular
Red	(3)	Proposed Structures
Red	(3)	Delineates Restricted Areas

### PROFILE VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS

LINEWORK	Design Color No.	
Green	(2)	Existing Ground Line Profile
Blue	(1)	Proposed Profile and Annotation
Magenta	(5)	Existing Utilities
Blue, Light	(230)	Proposed Ditch Grades, Left
Black	(0)	Proposed Ditch Grades, Median
Rust	(14)	Proposed Ditch Grades, Right

Reference Point

Station

Survey Line

Section Corner

Ground Line Intercept

Saw Cut

Guardrail

Trench Drain

HighTension Cable Guardrail

Sheet Pile

Pavement Removal

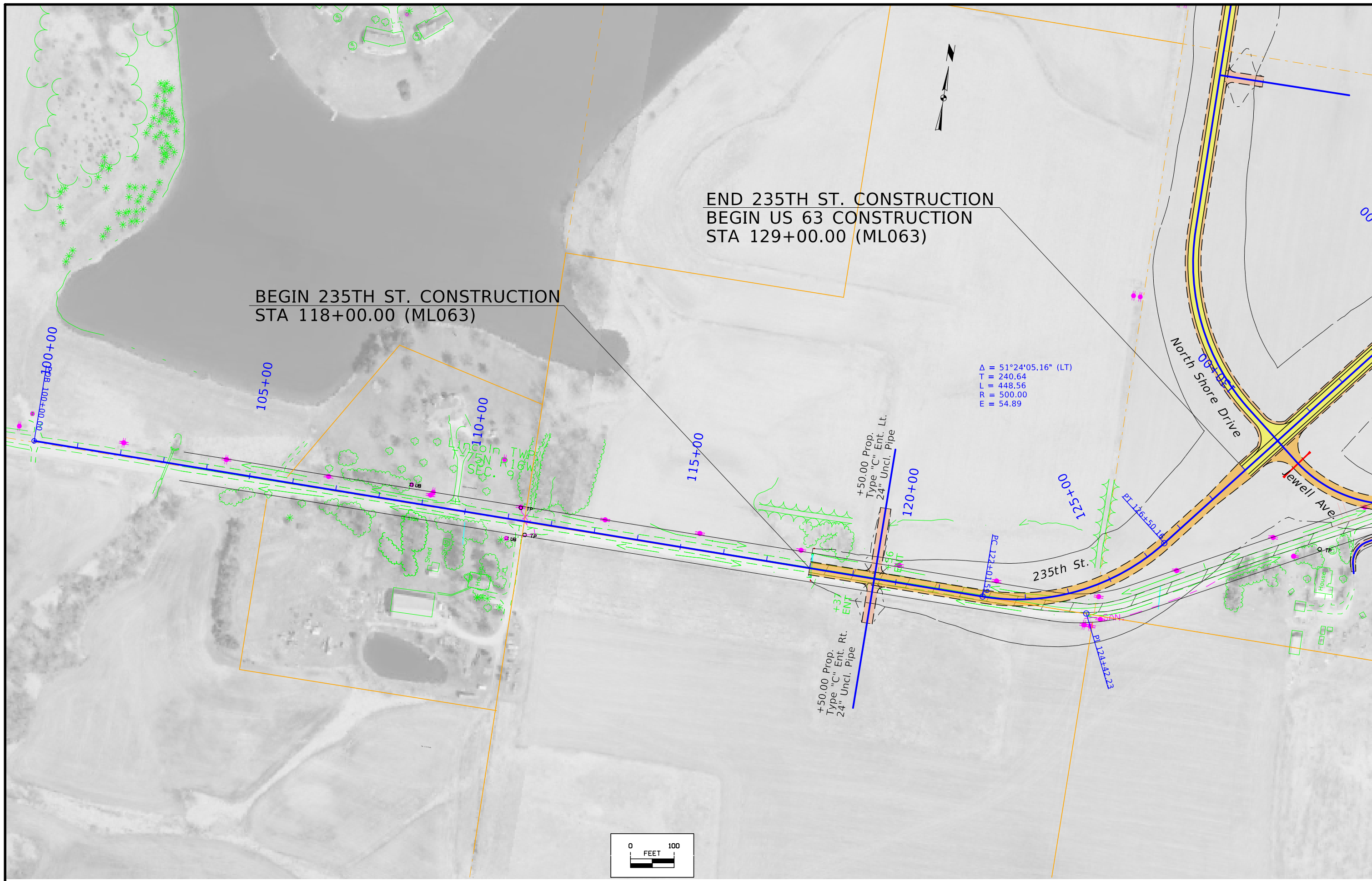
Clearing & Grubbing Area

### RIGHT-OF-WAY LEGEND

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

## PLAN AND PROFILE LEGEND AND SYMBOL INFORMATION SHEET

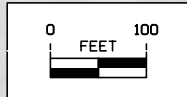
(COVERS SHEET SERIES D, E, F, & K)



BEGIN 235TH ST. CONSTRUCTION  
STA 118+00.00 (ML063)

END 235TH ST. CONSTRUCTION  
BEGIN US 63 CONSTRUCTION  
STA 129+00.00 (ML063)

$\Delta = 51^\circ 24' 05.16''$  (LT)  
T = 240.64  
L = 448.56  
R = 500.00  
E = 54.89

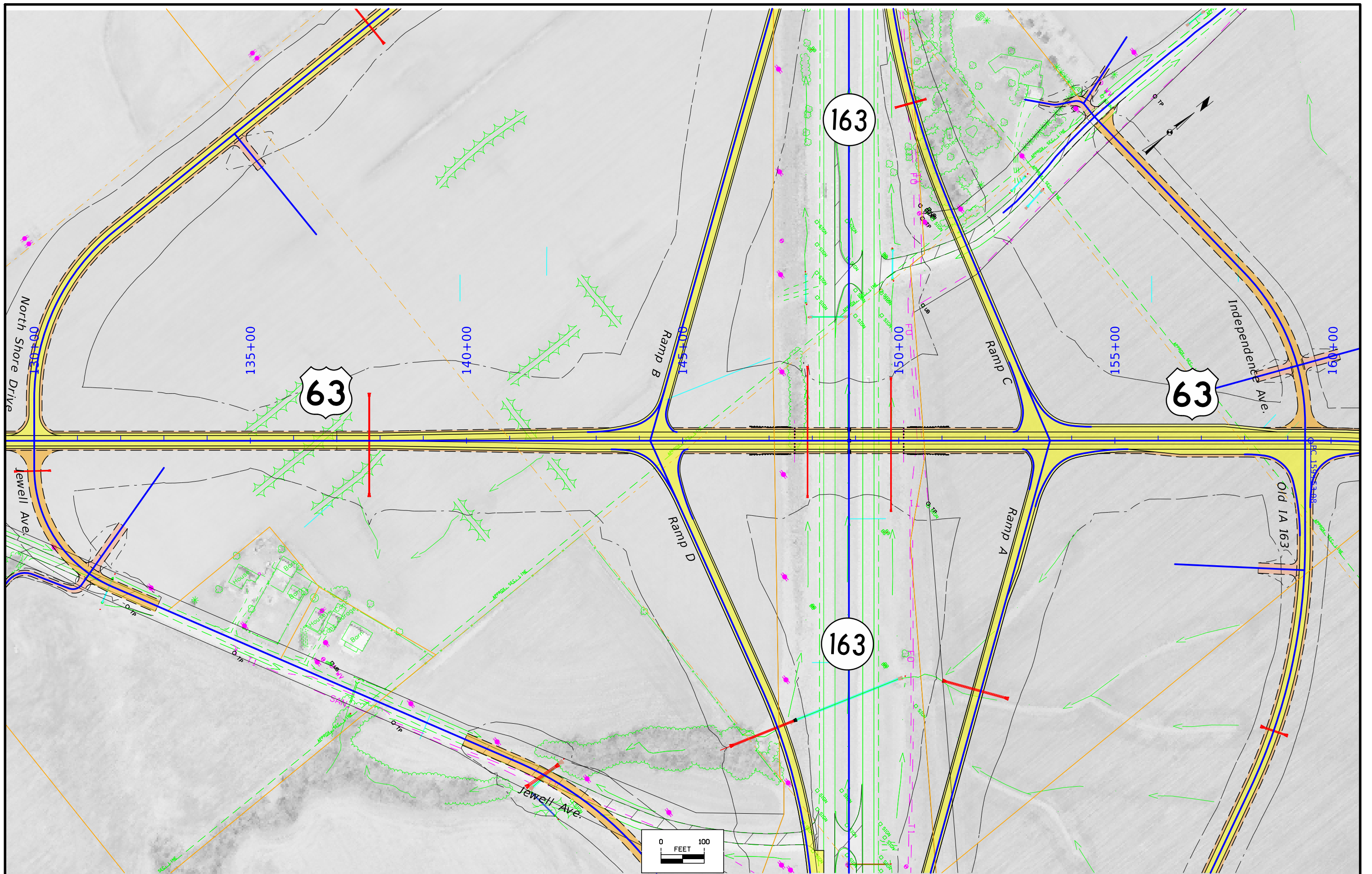


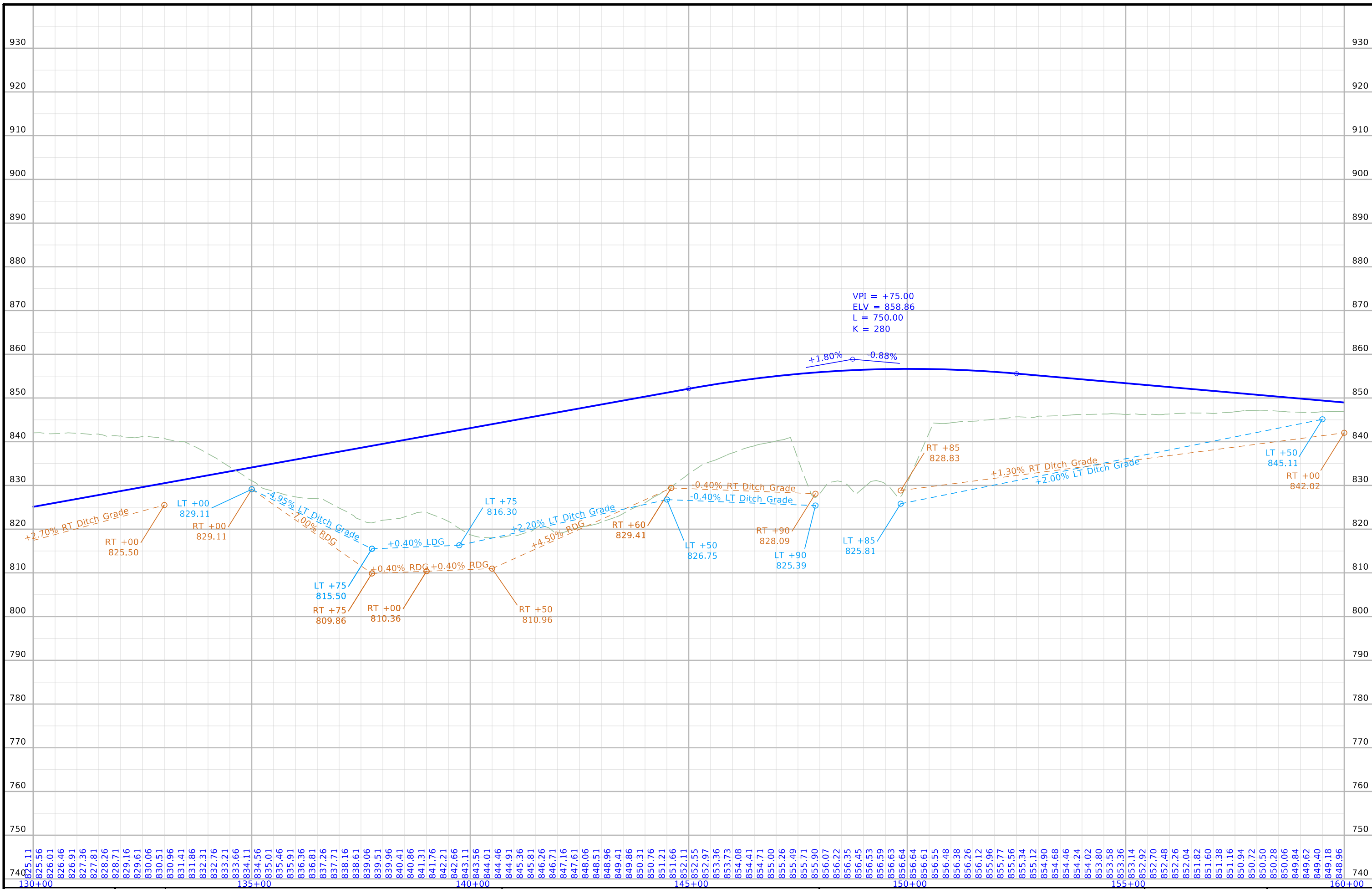


TIE-IN  
 STA 118+00.00  
 EL 810.58

RT +00 804.50  
 RT +05 804.50  
 LT +00 800.90  
 +0%  
 +0.33% RDG  
 +2.05%  
 RT +50 804.98  
 -0.56%  
 +1.80%  
 VPI = +00.00  
 ELV = 808.91  
 L = 500.00  
 K = 212  
 LT +00 805.00

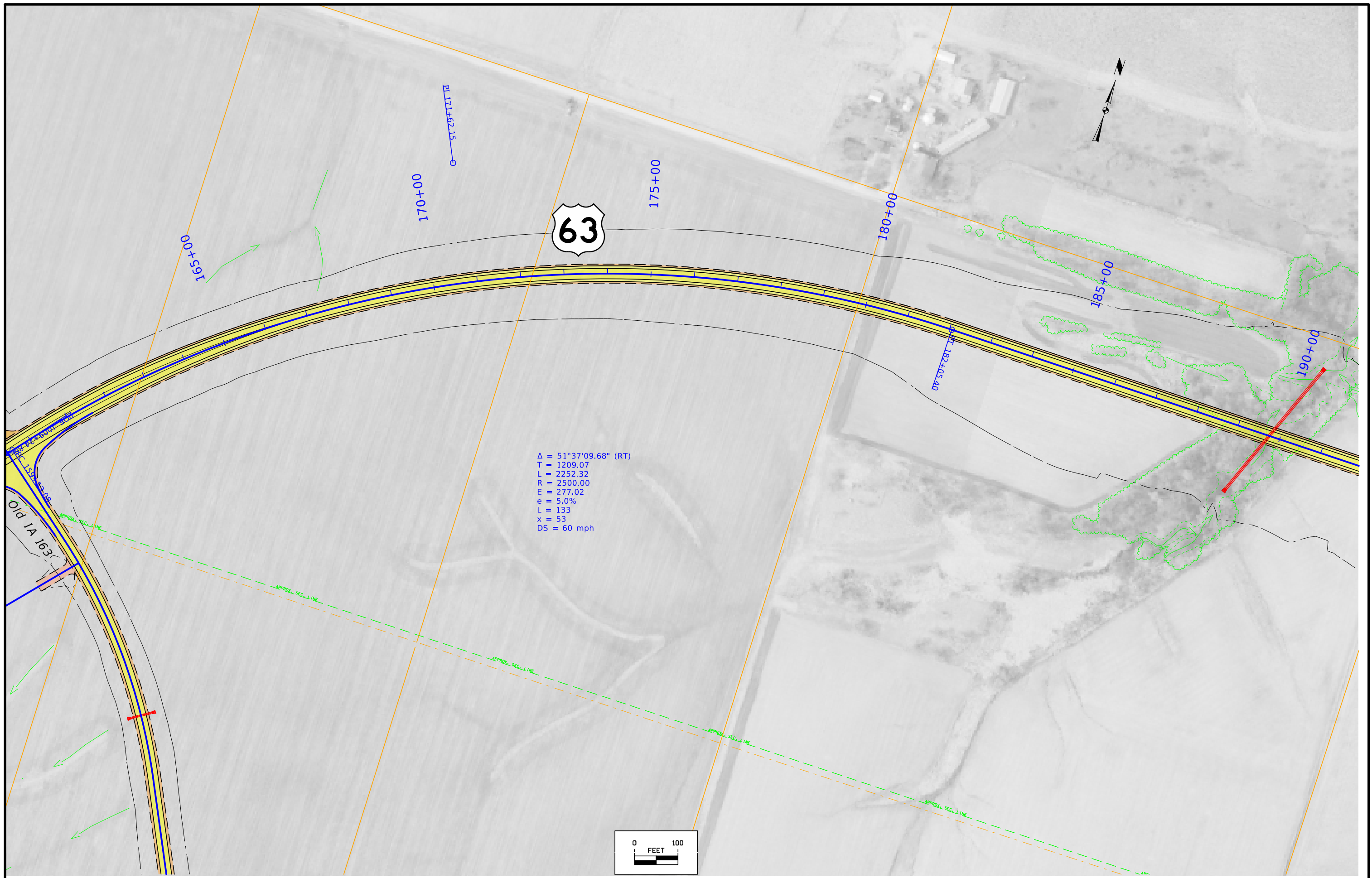
RT +00 812.91  
 +0.60% RT\_Ditch Grade  
 RT +00 814.71  
 +2.10%

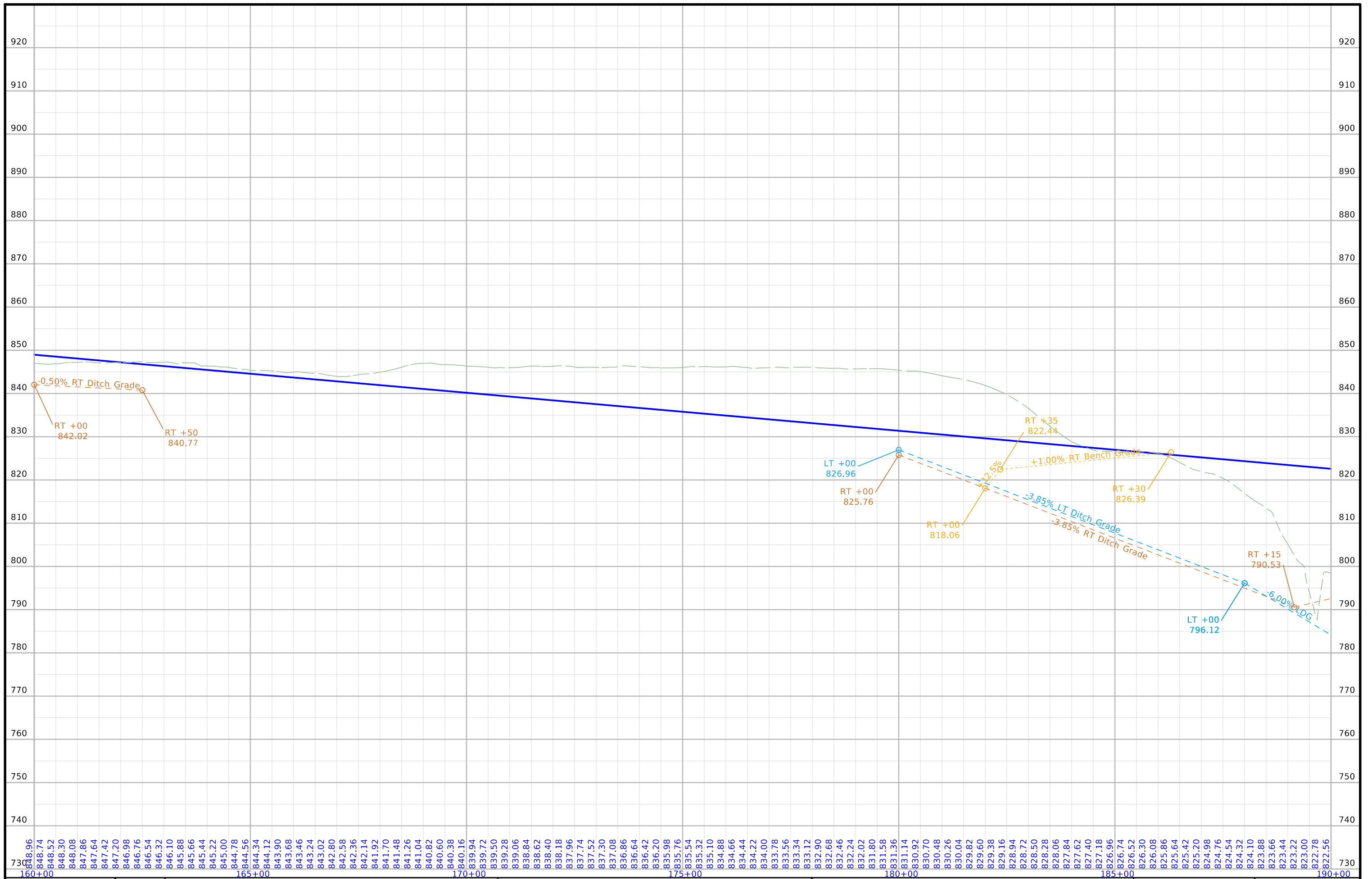




FILE NO.	ENGLISH	DESIGN TEAM	Flattery \ Johnson	MAHASKA COUNTY	PROJECT NUMBER	NHSX-063-3(93)--3H-62	SHEET NUMBER	D.5
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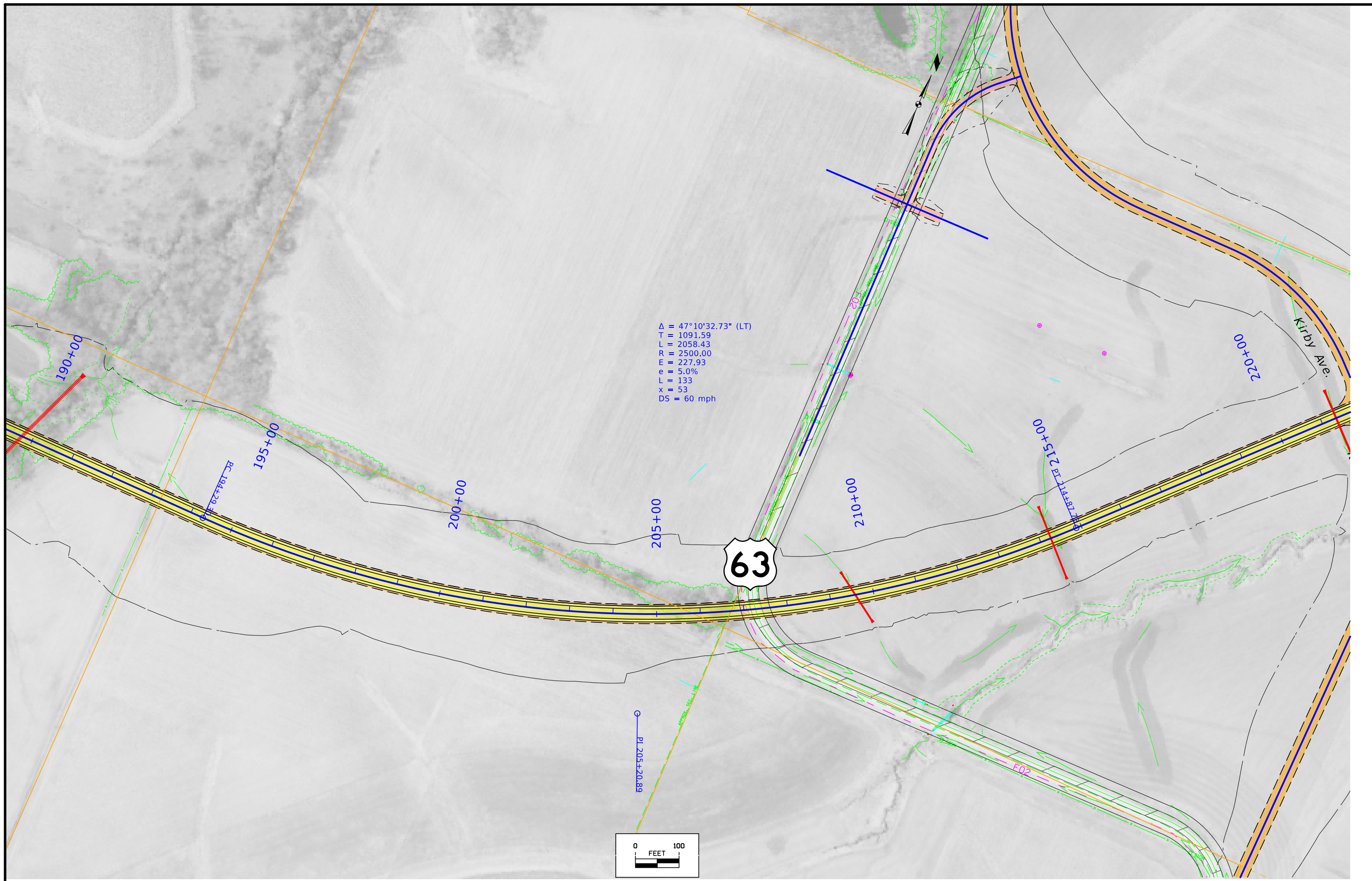
12:28:29 PM 3/9/2023 ajohns1 pw:\NTP\wint1.dot.int.lan:PWMain\Documents\Projects\6206302013\Design\093\_Preliminary\_Engineering\CADD\_Files\Sheet\_Files\D01\_ML063\_62063093Z09\_ORD.dgn



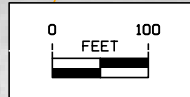


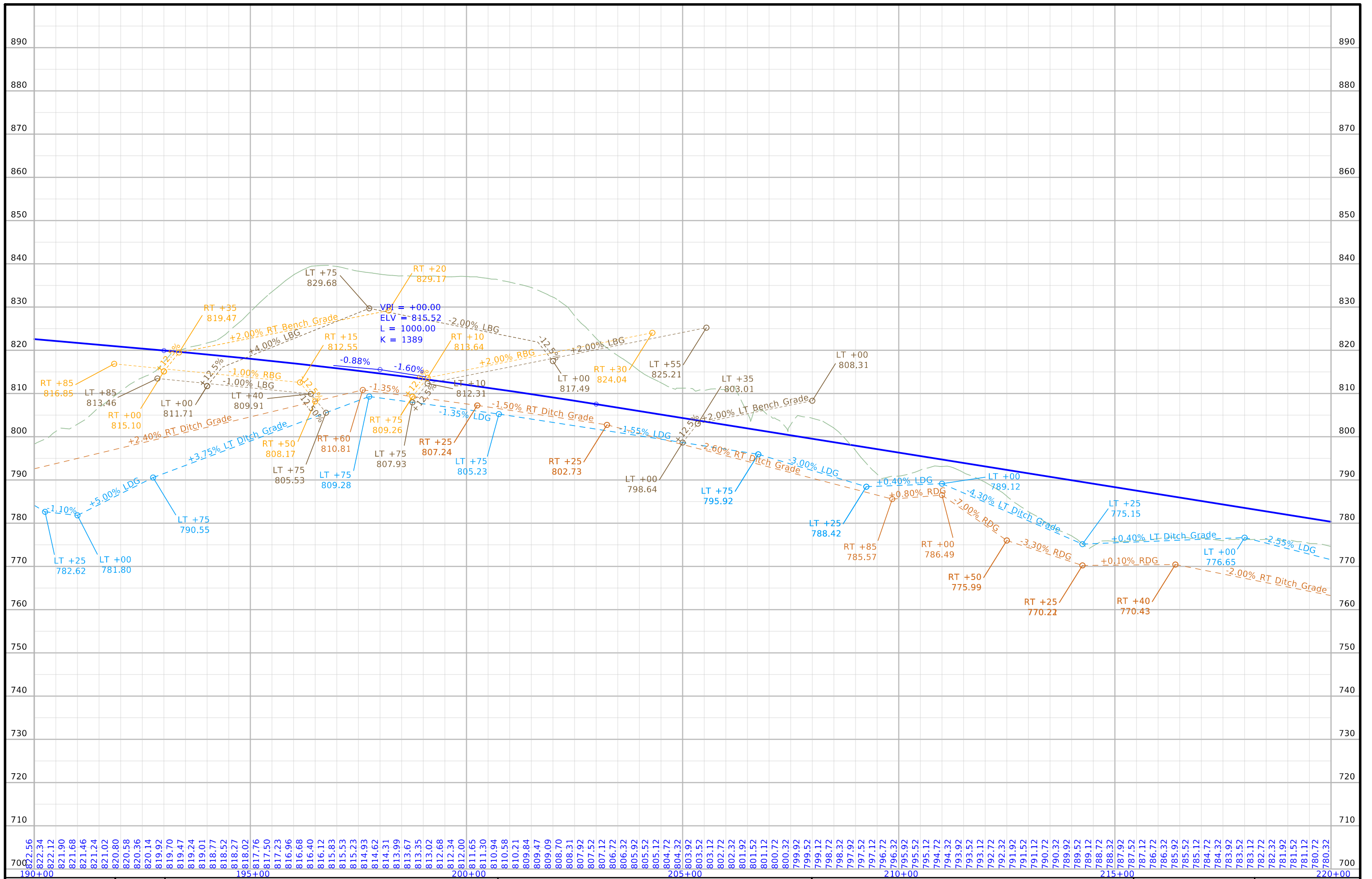
FILE NO.	ENGLISH	DESIGN TEAM	MAHASKA COUNTY	PROJECT NUMBER	SHEET NUMBER
160+00		Flattery \ Johnson		NHSX-063-3(93)--3H-62	D.7





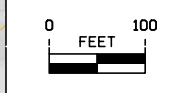
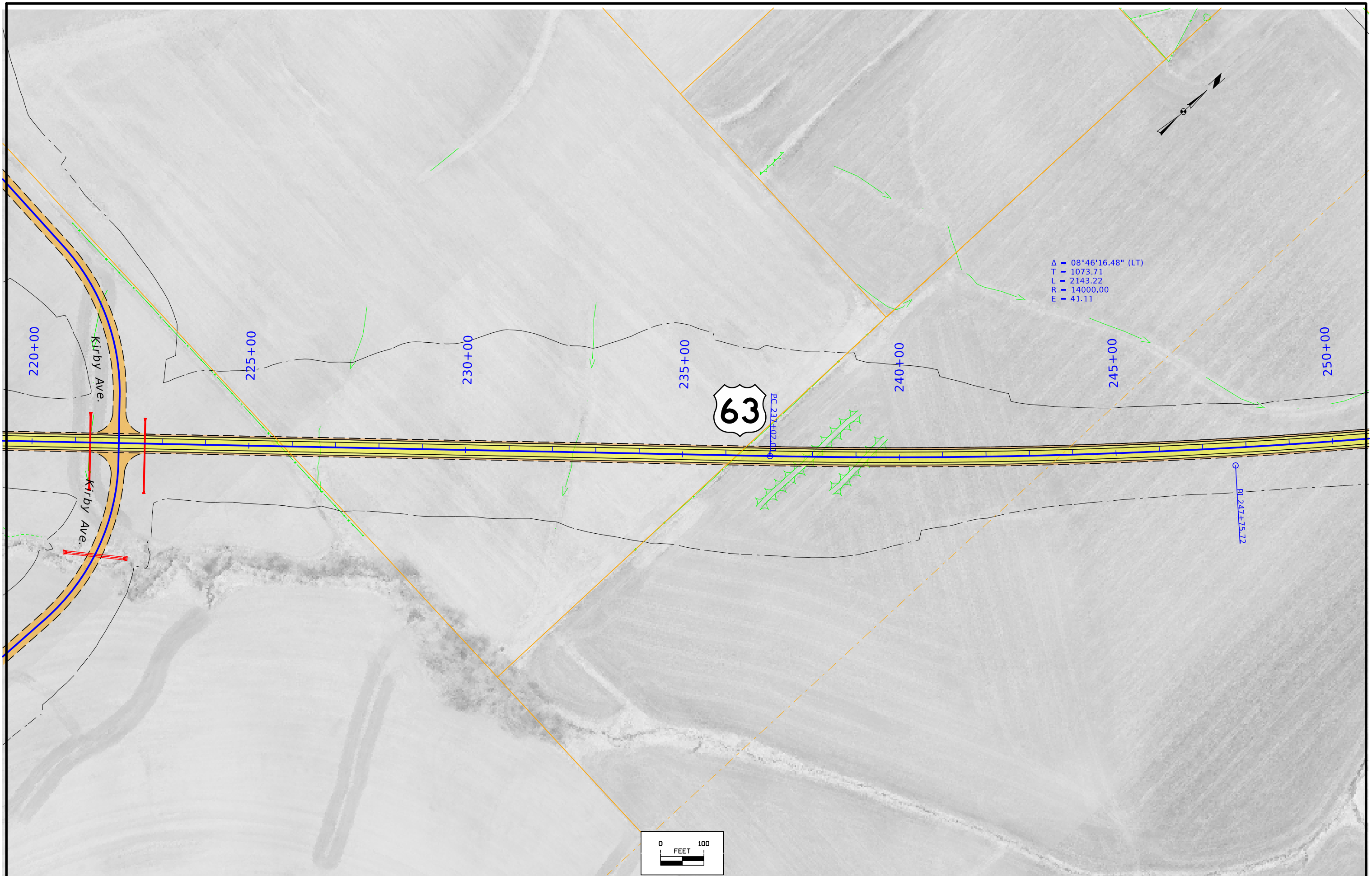
$\Delta = 47^{\circ}10'32.73''$  (LT)  
 T = 1091.59  
 L = 2058.43  
 R = 2500.00  
 E = 227.93  
 e = 5.0%  
 L = 133  
 X = 53  
 DS = 60 mph

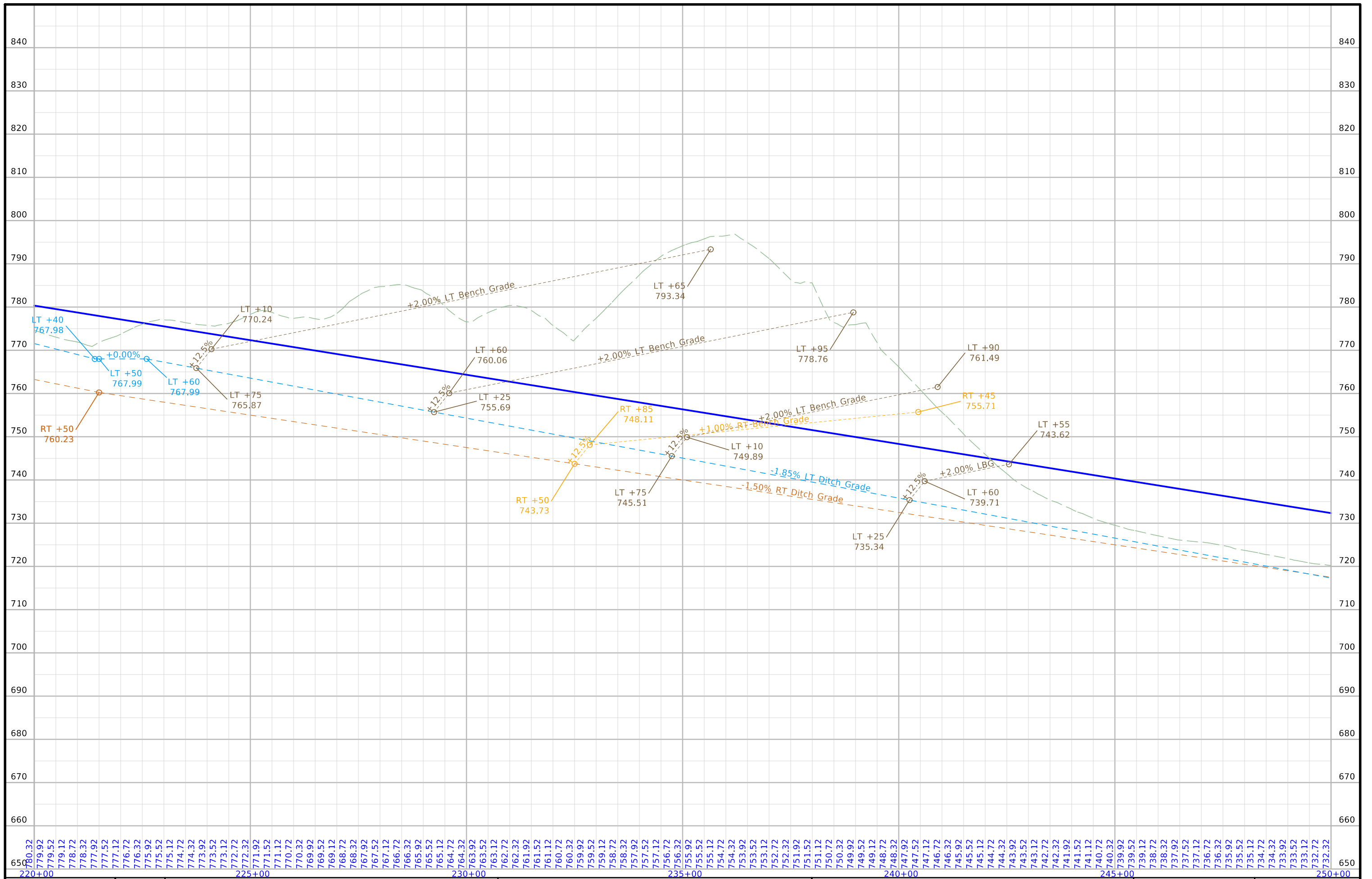




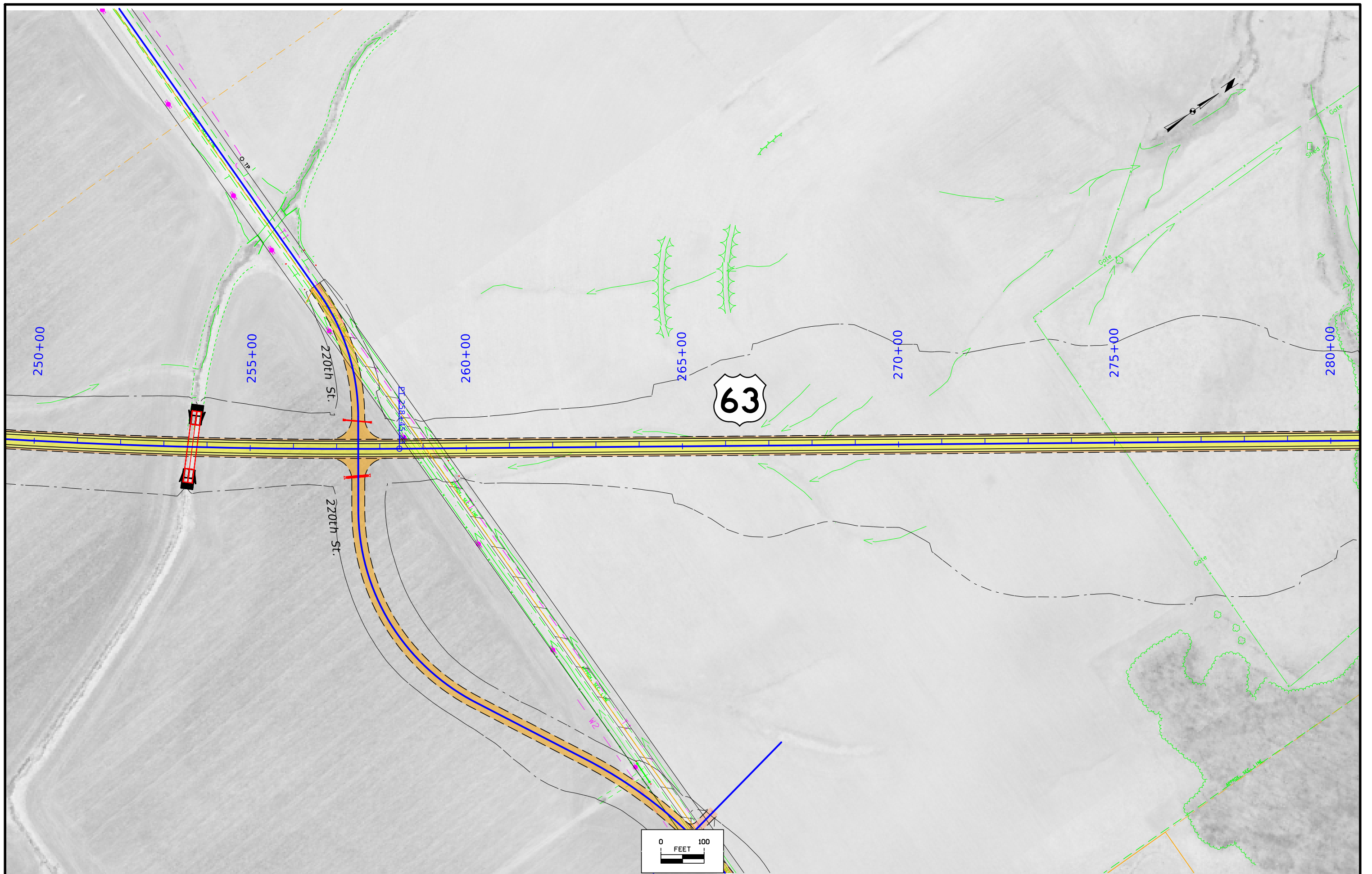
FILE NO.	ENGLISH	DESIGN TEAM	MAHASKA COUNTY	PROJECT NUMBER	SHEET NUMBER
190+00		Flattery \ Johnson		NHSX-063-3(93)--3H-62	D.9

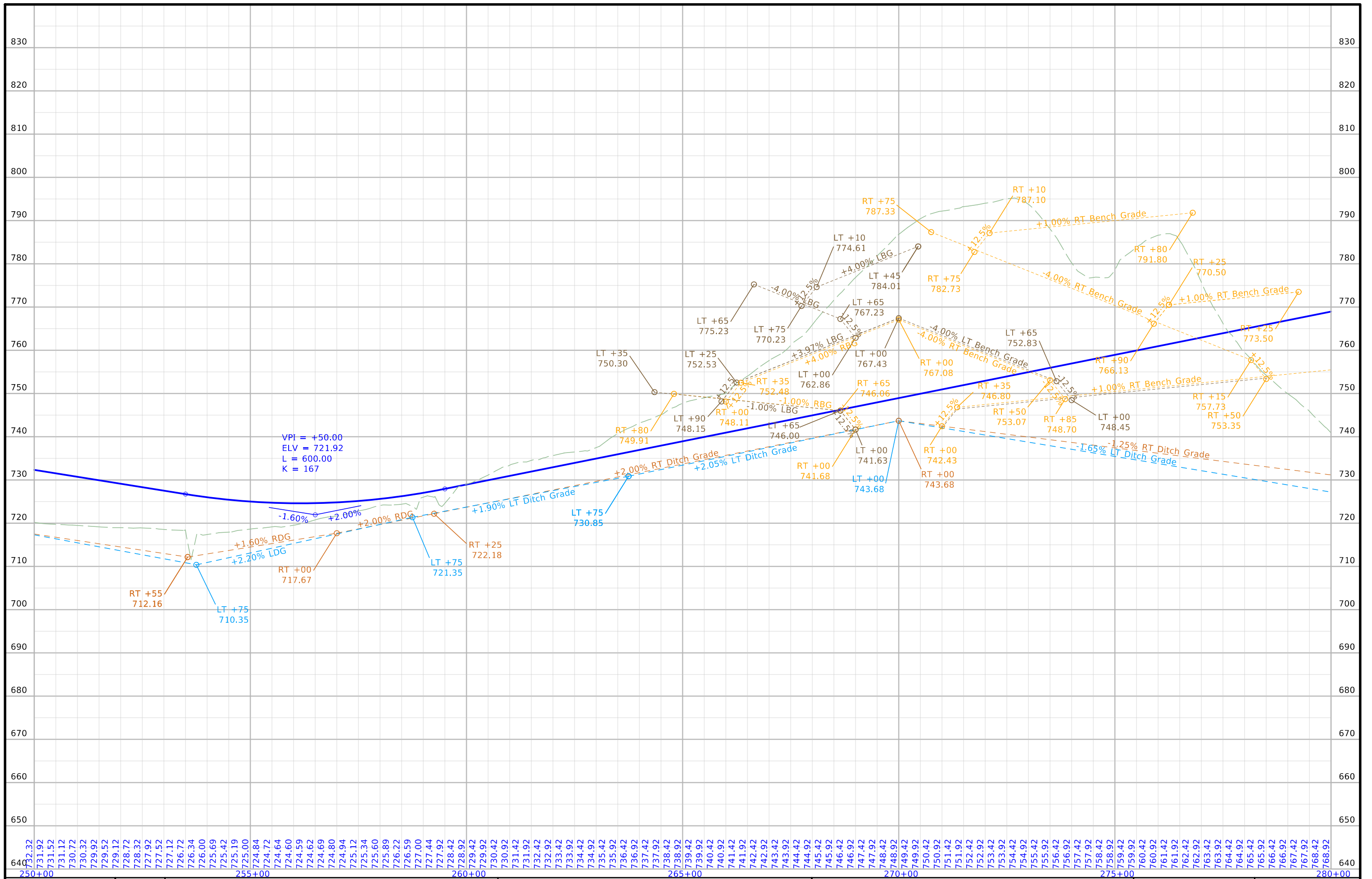
12:28:32 PM 3/9/2023 ajohns1 pw:\NTP\wint1.d01.int.lan:PWMain\Documents\Projects\6206302013\Design\093\_Preliminary\_Engineering\CADD\_Files\Sheet\_Files\D01\_ML063\_62063093Z09\_ORD.dgn





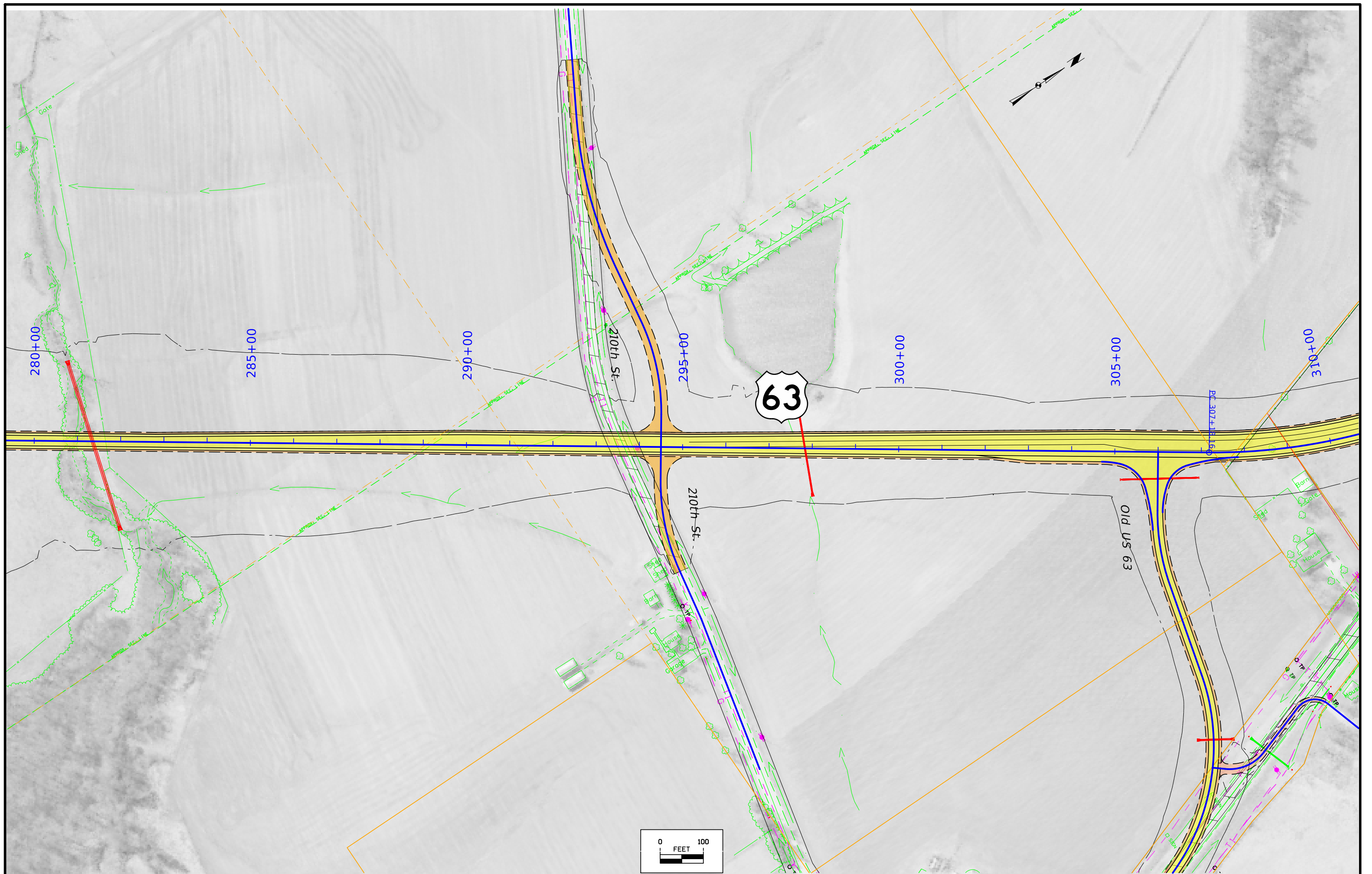
FILE NO.	ENGLISH	DESIGN TEAM	MAHASKA COUNTY	PROJECT NUMBER	SHEET NUMBER
220+00		Flattery \ Johnson		NHSX-063-3(93)--3H-62	D.11





VPI = +50.00  
 ELV = 721.92  
 L = 600.00  
 K = 167

FILE NO.	ENGLISH	DESIGN TEAM	MAHASKA COUNTY	PROJECT NUMBER	SHEET NUMBER
250+00		Flattery \ Johnson		NHSX-063-3(93)--3H-62	D.13



FILE NO.	ENGLISH	DESIGN TEAM Flattery \ Johnson	MAHASKA COUNTY	PROJECT NUMBER NHSX-063-3(93)--3H-62	SHEET NUMBER D.14
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12:28:37 PM 3/9/2023

ajohns1

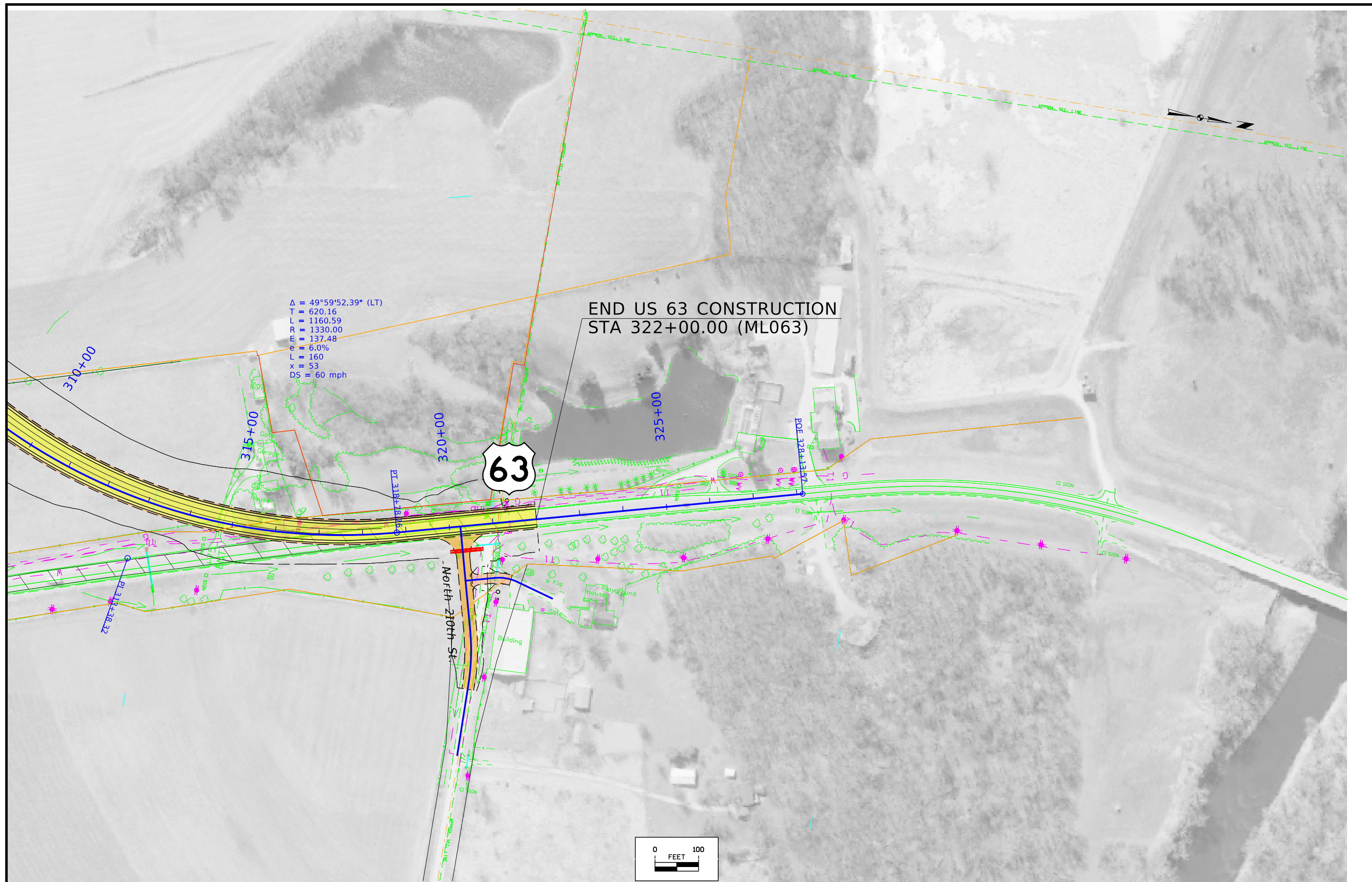
pw:\NTP\wint1.dot.int.lan:PWMain\Documents\Projects\6206302013\Design\093\_Preliminary\_Engineering\CADD\_Files\Sheet\_Files\D01\_ML063\_62063093Z09\_ORD.dgn



FILE NO.	ENGLISH	DESIGN TEAM	Flattery \ Johnson	MAHASKA COUNTY	PROJECT NUMBER	NHSX-063-3(93)--3H-62	SHEET NUMBER	D.15
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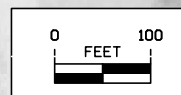
12:28:38 PM 3/9/2023 ajohns1 pw:\NTP\wint1.dot.int.lan:PWMain\Documents\Projects\6206302013\Design\093\_Preliminary\_Engineering\CADD\_Files\Sheet\_Files\D01\_ML063\_62063093Z09\_ORD.dgn

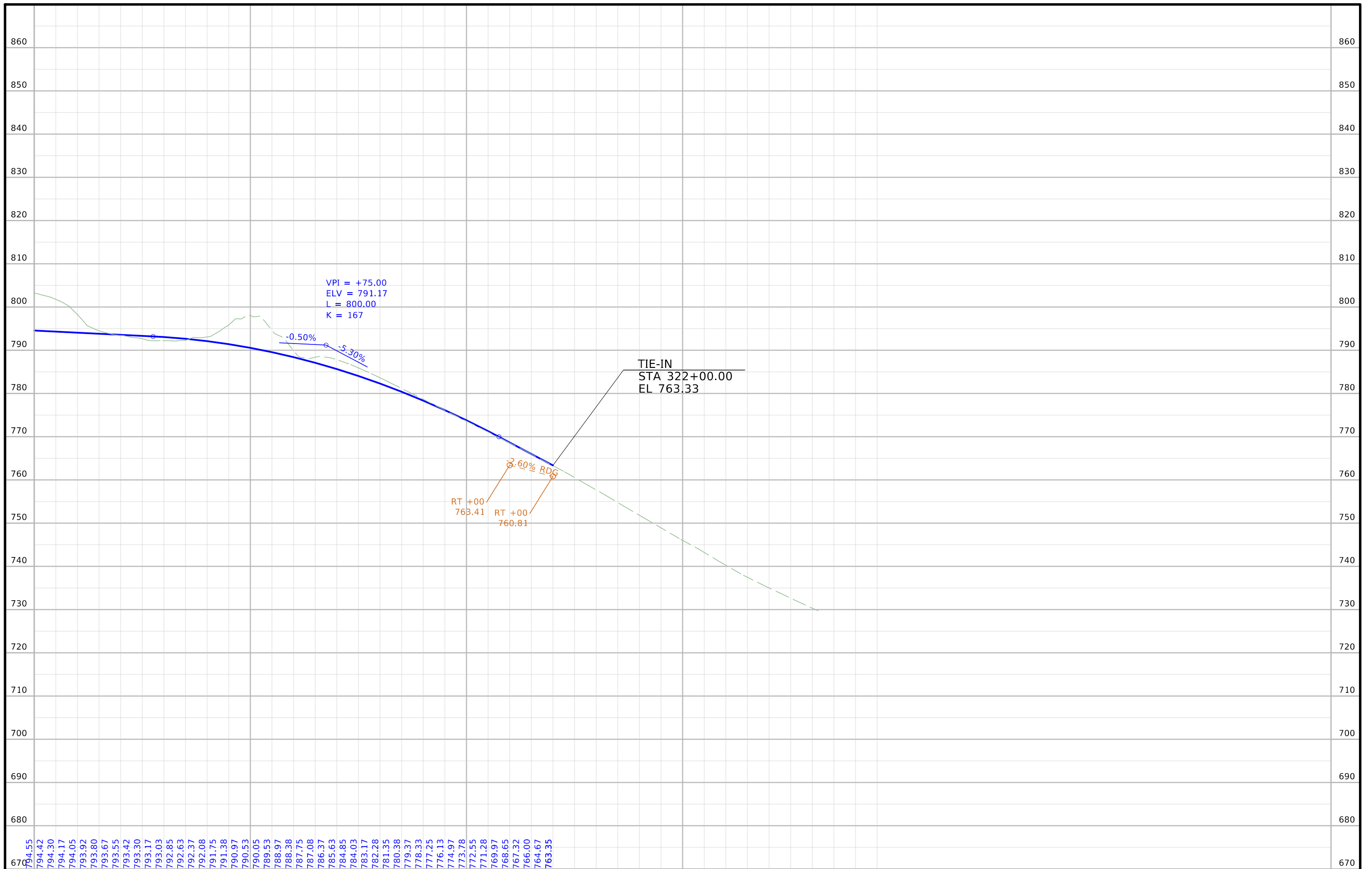




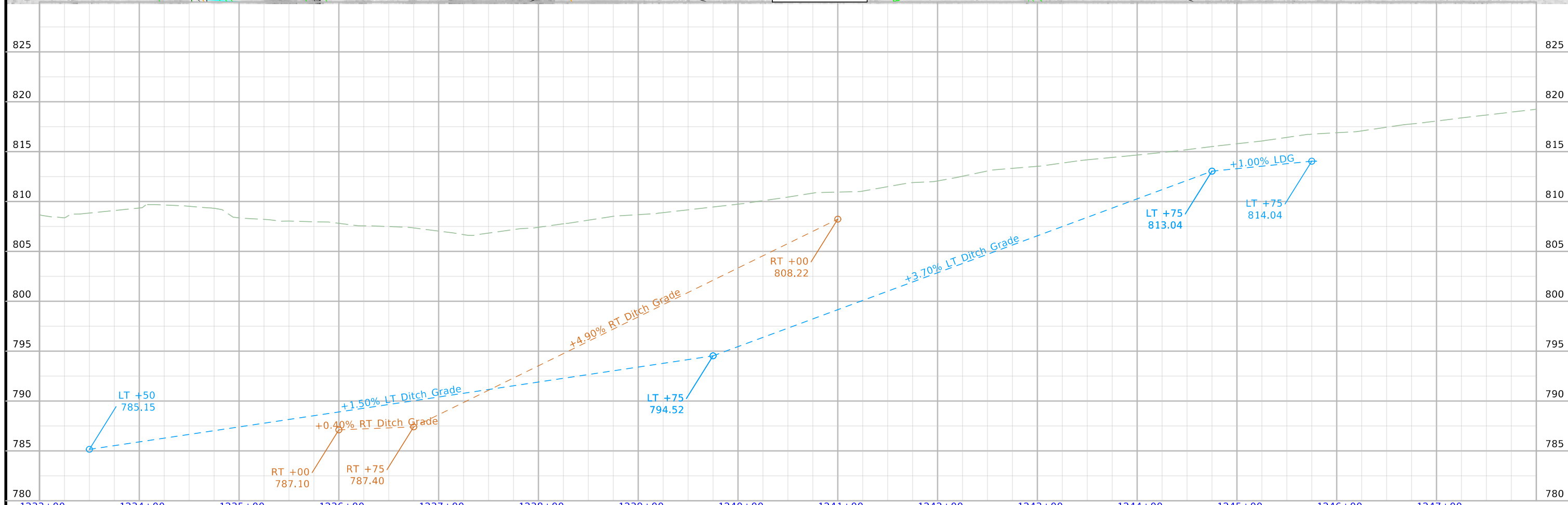
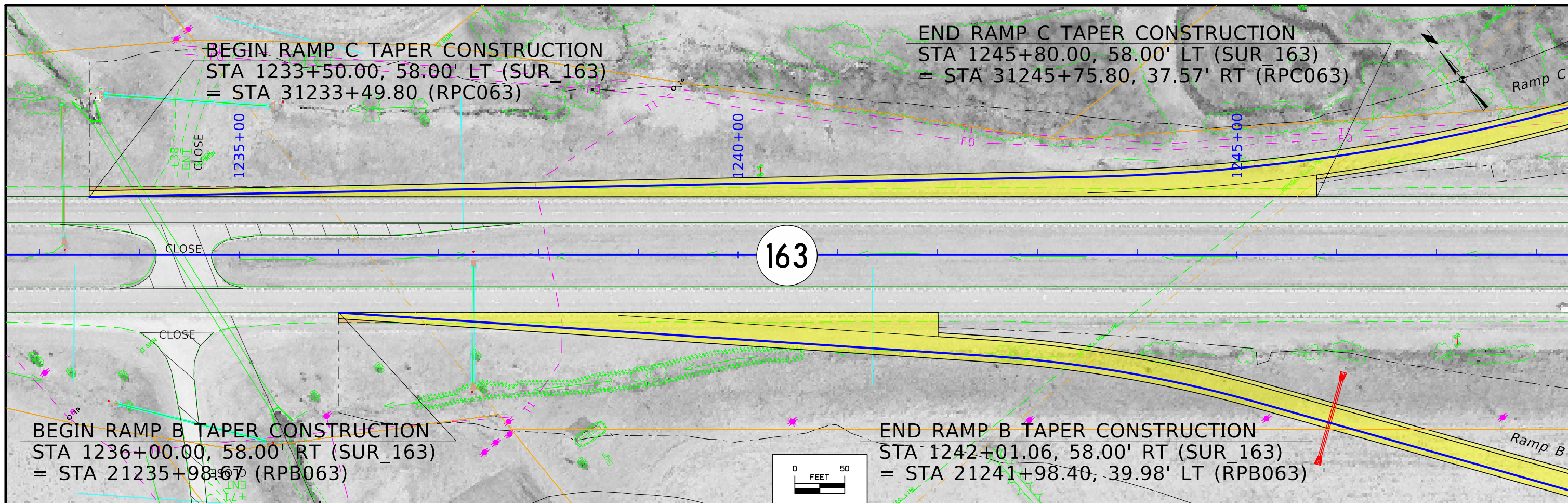
$\Delta = 49^\circ 59' 52.39''$  (LT)  
 T = 620.16  
 L = 1160.59  
 R = 1330.00  
 E = 137.48  
 e = 6.0%  
 L = 160  
 x = 53  
 DS = 60 mph

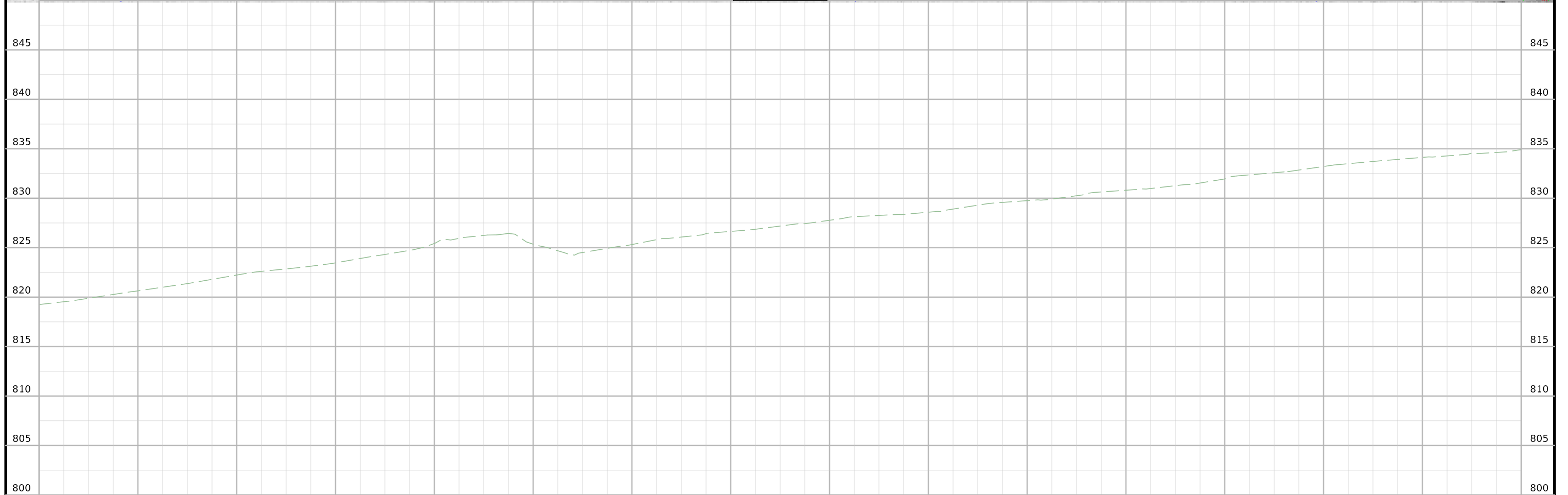
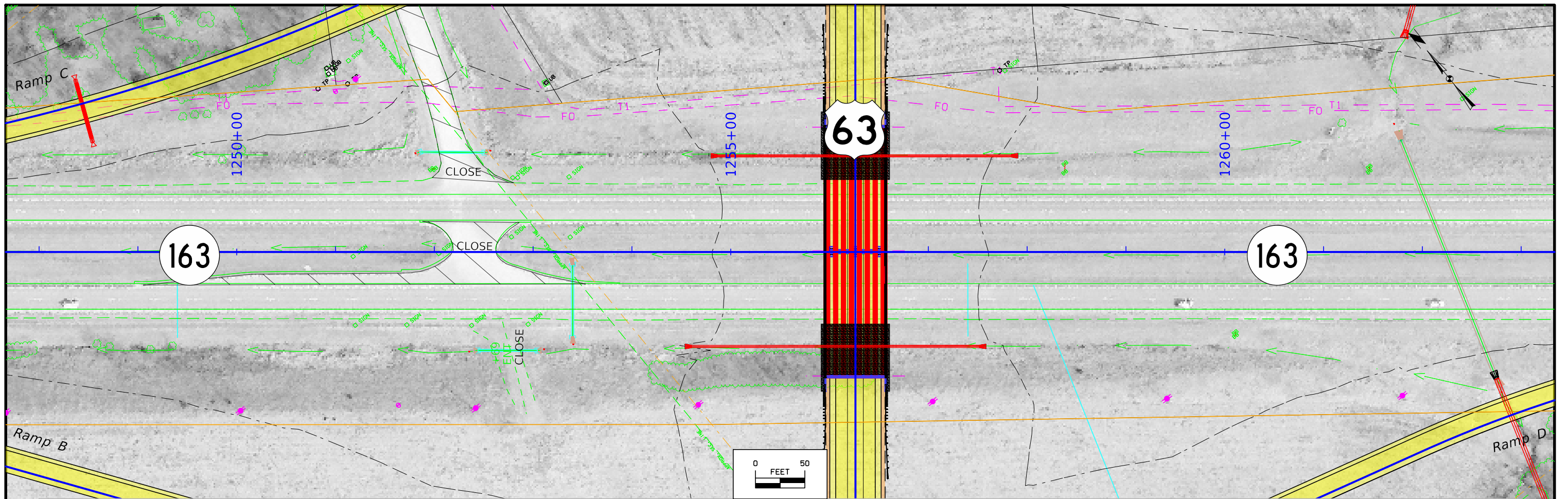
END US 63 CONSTRUCTION  
 STA 322+00.00 (ML063)



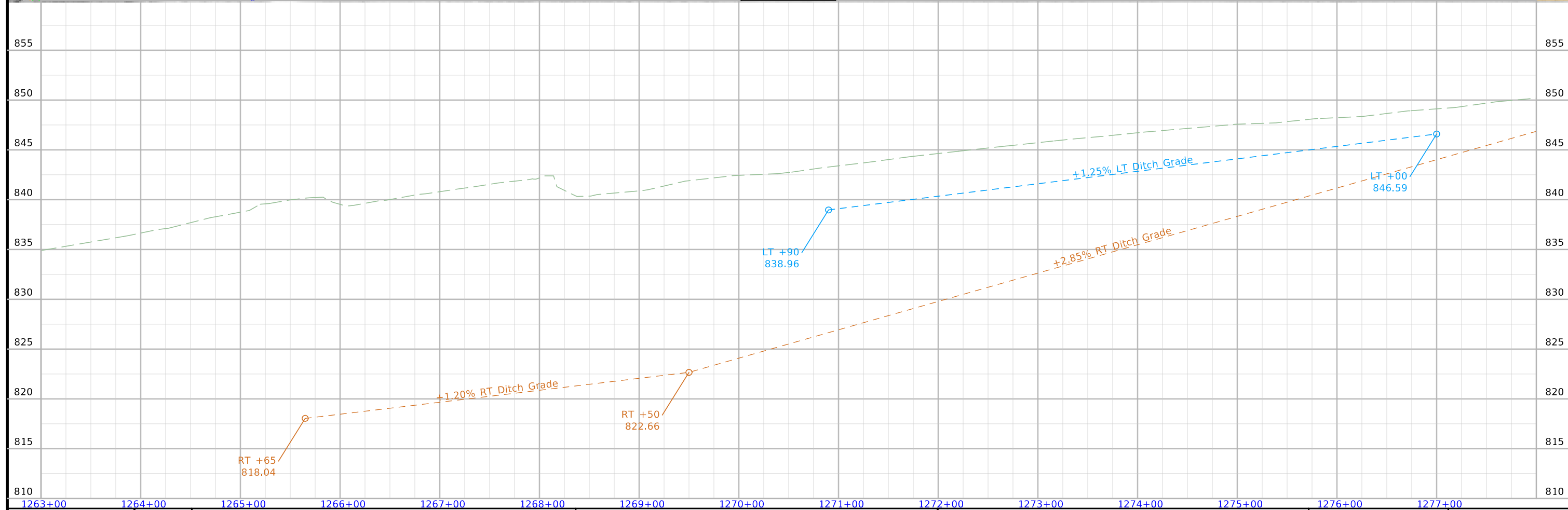
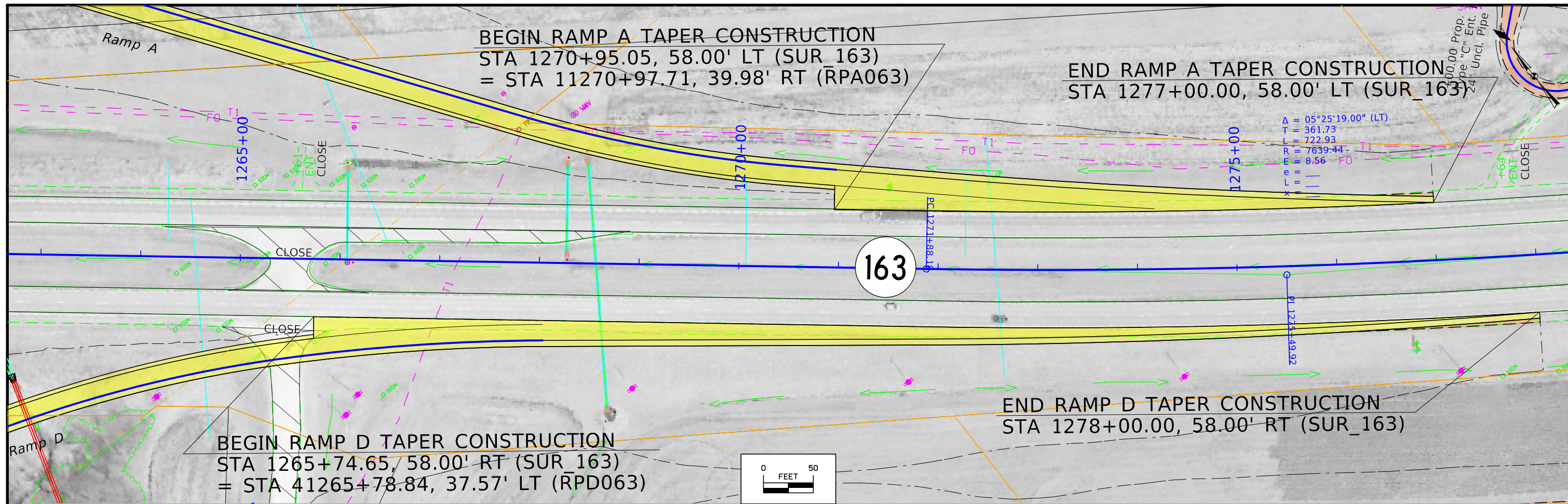


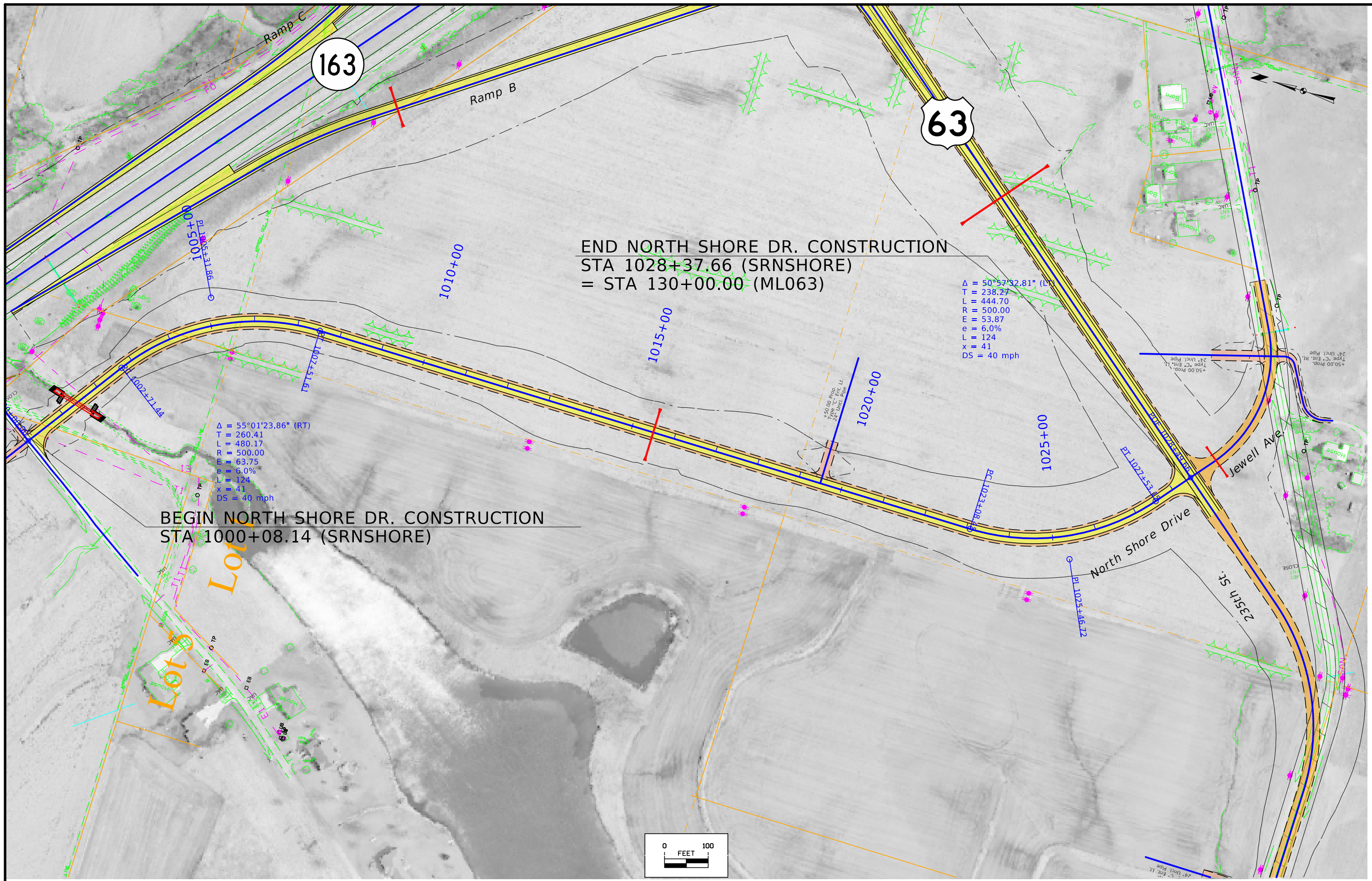
FILE NO.	ENGLISH	DESIGN TEAM	MAHASKA COUNTY	PROJECT NUMBER	SHEET NUMBER
310+00		Flattery \ Johnson		NHSX-063-3(93)--3H-62	D.17





1248+00	1249+00	1250+00	1251+00	1252+00	1253+00	1254+00	1255+00	1256+00	1257+00	1258+00	1259+00	1260+00	1261+00	1262+00
FILE NO.	ENGLISH	DESIGN TEAM	Flattery \ Johnson			MAHASKA COUNTY			PROJECT NUMBER	NHSX-063-3(93)--3H-62			SHEET NUMBER	E.2



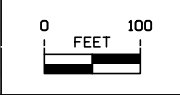


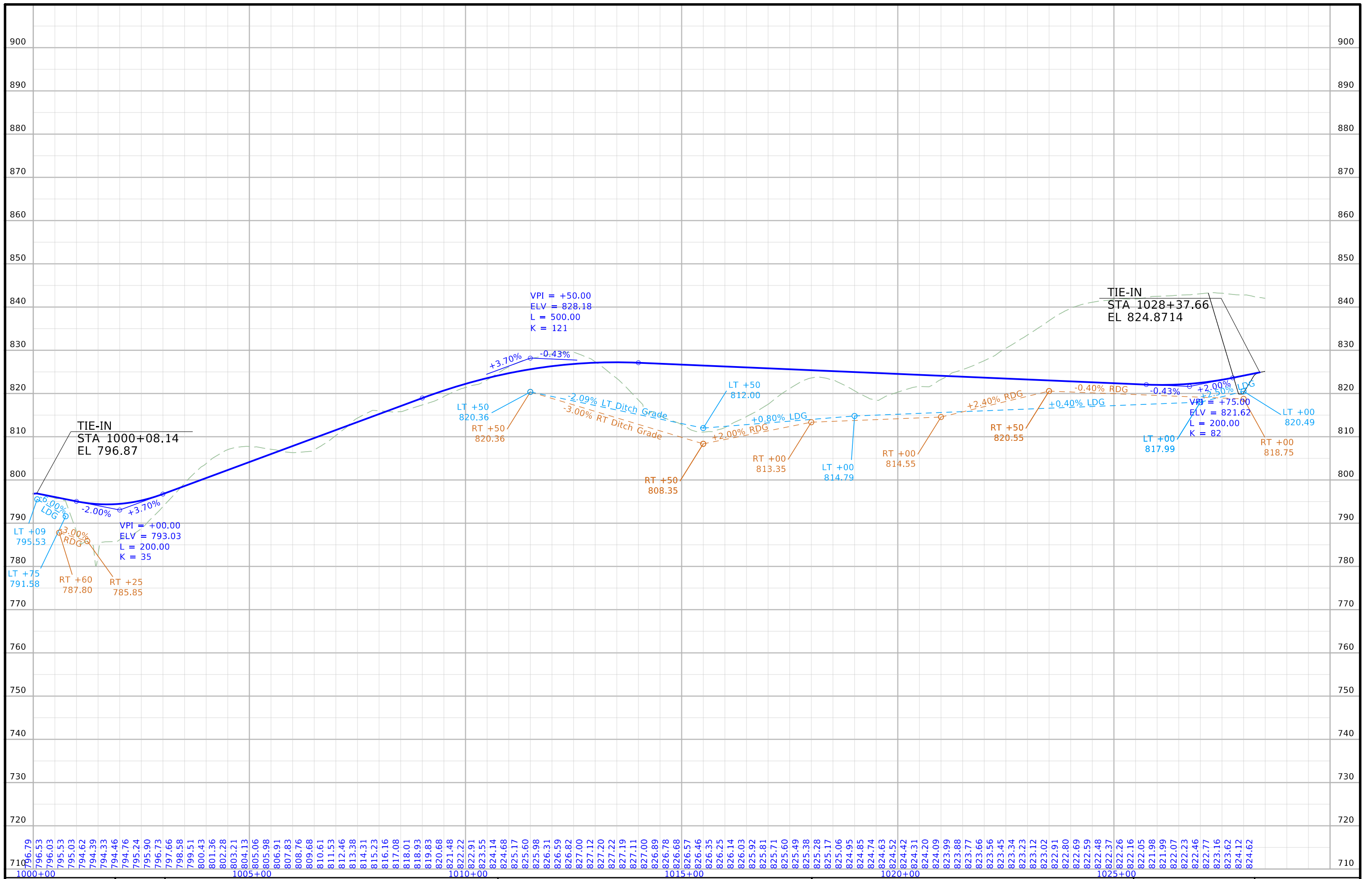
BEGIN NORTH SHORE DR. CONSTRUCTION  
 STA 1000+08.14 (SRNSHORE)

END NORTH SHORE DR. CONSTRUCTION  
 STA 1028+37.66 (SRNSHORE)  
 = STA 130+00.00 (ML063)

Δ = 55°01'23.86" (RT)  
 T = 260.41  
 L = 480.17  
 R = 500.00  
 E = 63.75  
 e = 6.0%  
 L = 124  
 x = 41  
 DS = 40 mph

Δ = 50°57'32.81" (L)  
 T = 238.27  
 L = 444.70  
 R = 500.00  
 E = 53.87  
 e = 6.0%  
 L = 124  
 x = 41  
 DS = 40 mph

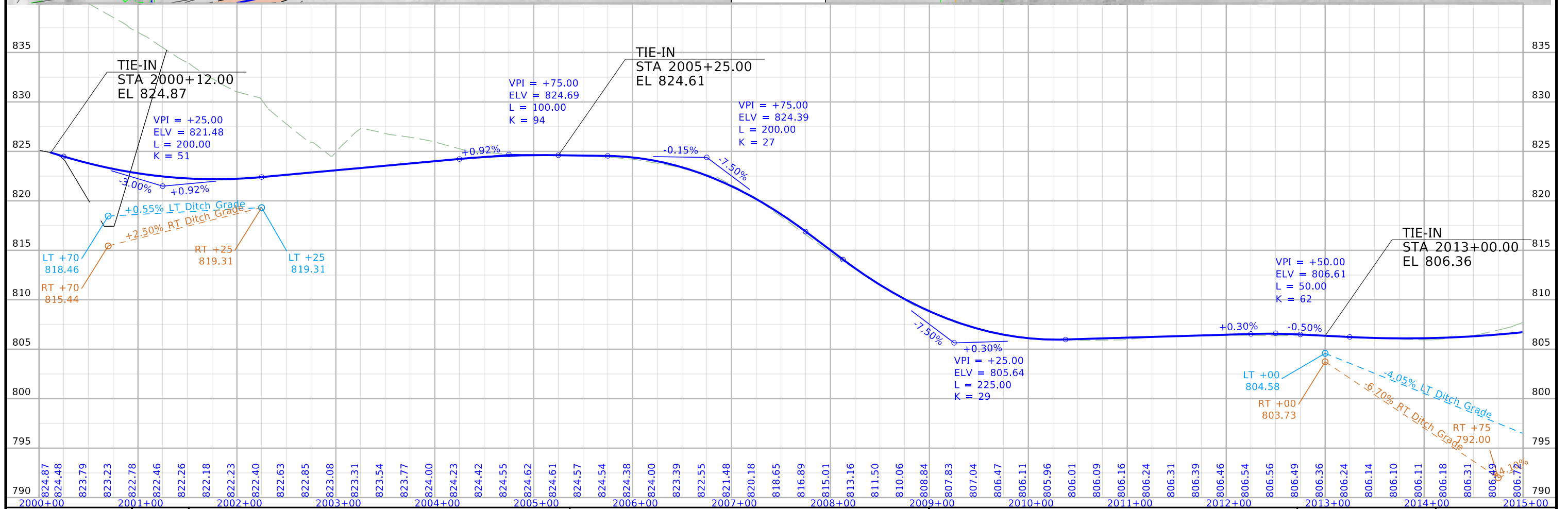
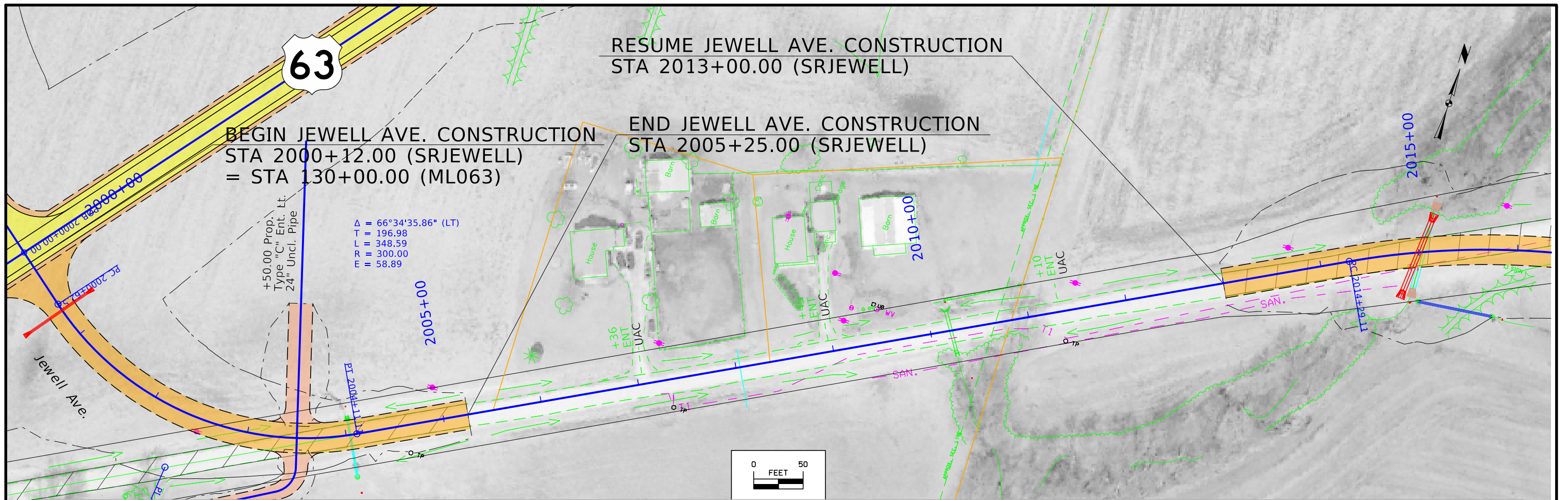




FILE NO.	ENGLISH	DESIGN TEAM	Flattery \ Johnson	MAHASKA COUNTY	PROJECT NUMBER	NHSX-063-3(93)--3H-62	SHEET NUMBER	E.5
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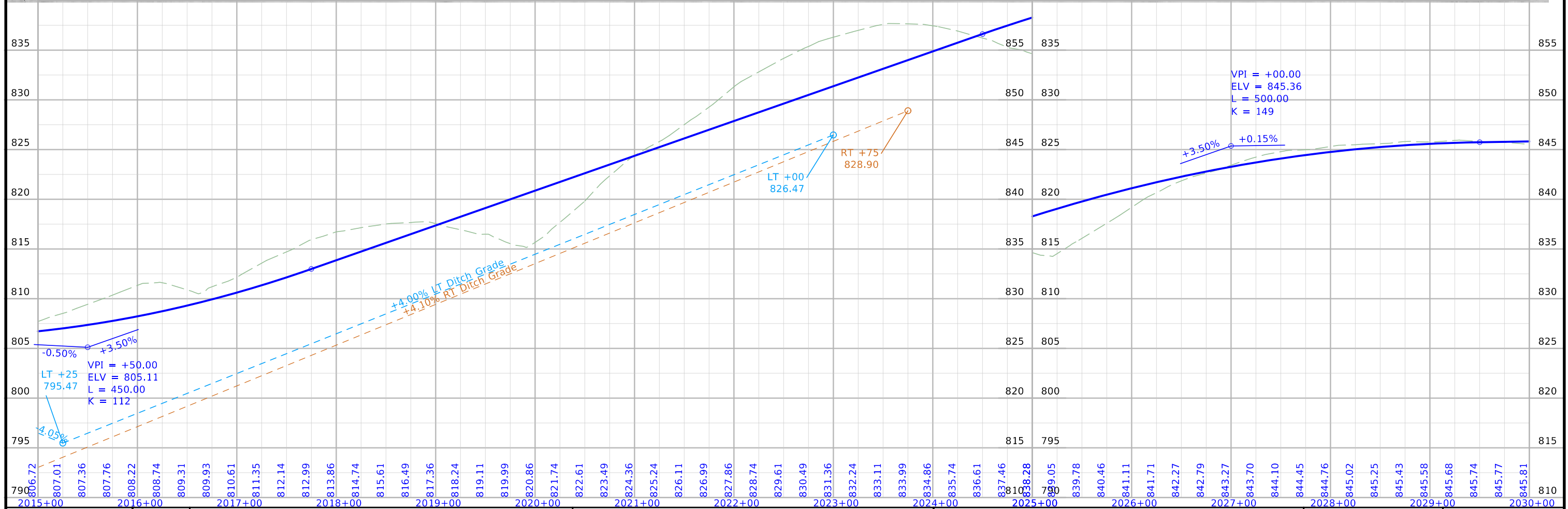
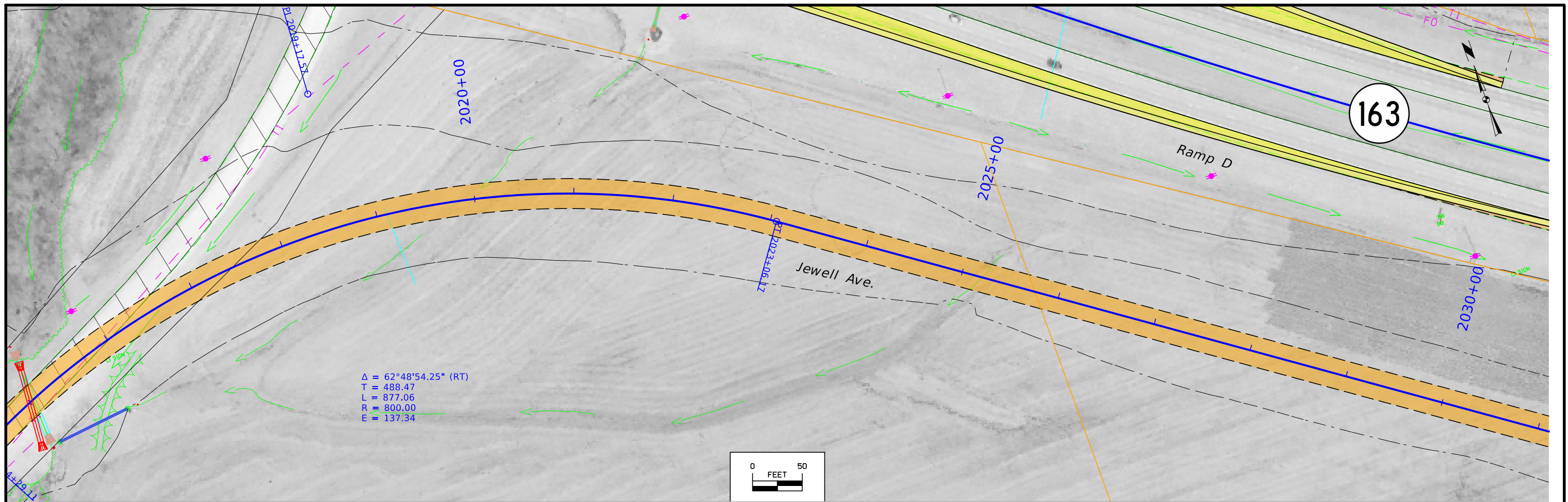
1:15:12 PM 3/9/2023 ajohns1 pw:\NTPwint1.dot.int.lan:PWMain\Documents\Projects\6206302013\Design\093\_Preliminary\_Engineering\CADD\_Files\Sheet\_Files\E04-E05\_SRNSHORE\_62063093Z09\_ORD.dgn

RESUME JEWELL AVE. CONSTRUCTION  
STA 2013+00.00 (SRJEWELL)

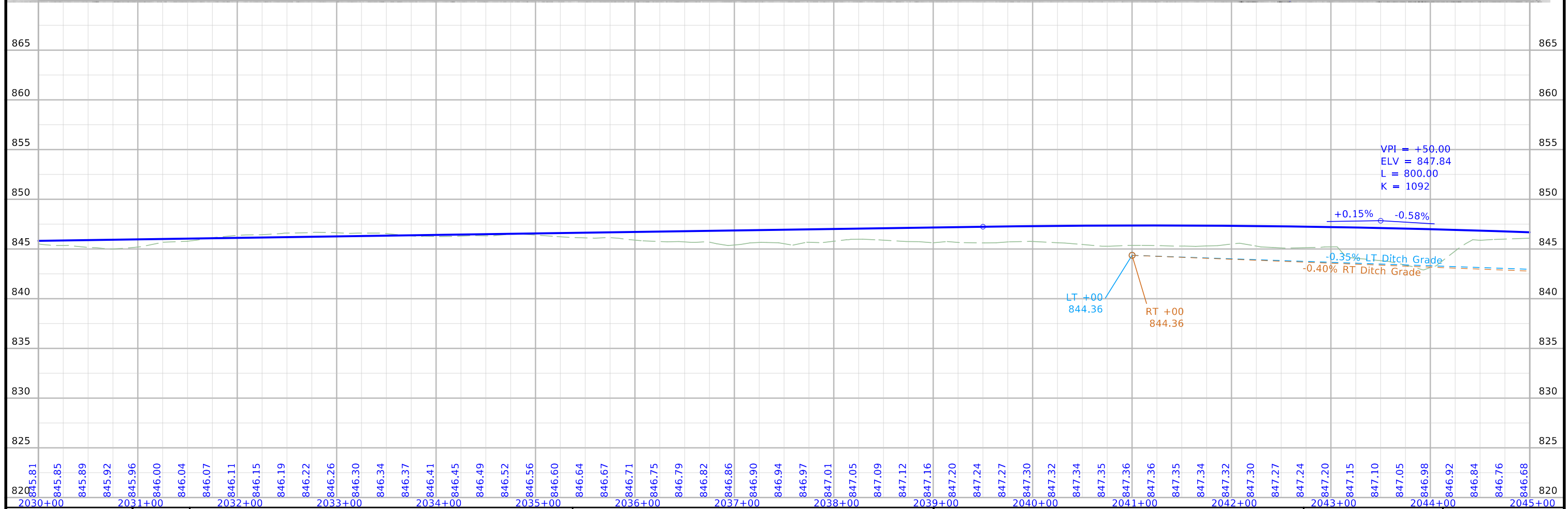
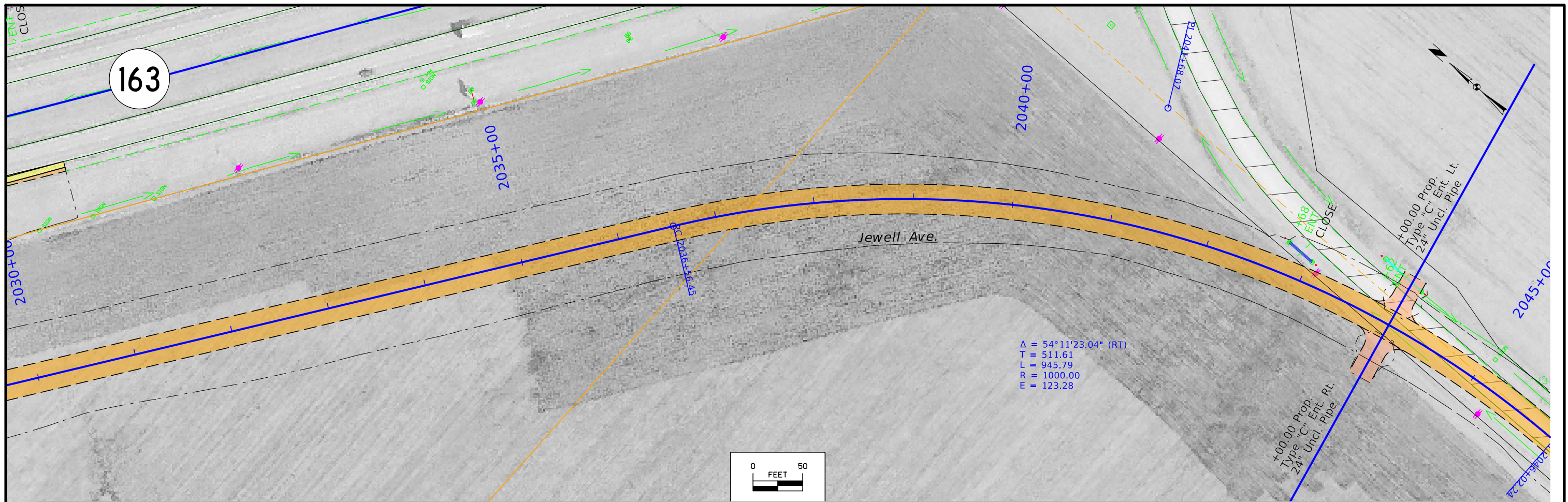


FILE NO.	ENGLISH	DESIGN TEAM	MAHASKA COUNTY	PROJECT NUMBER	SHEET NUMBER
		Flattery \ Johnson		NHSX-063-3(93)--3H-62	E.6



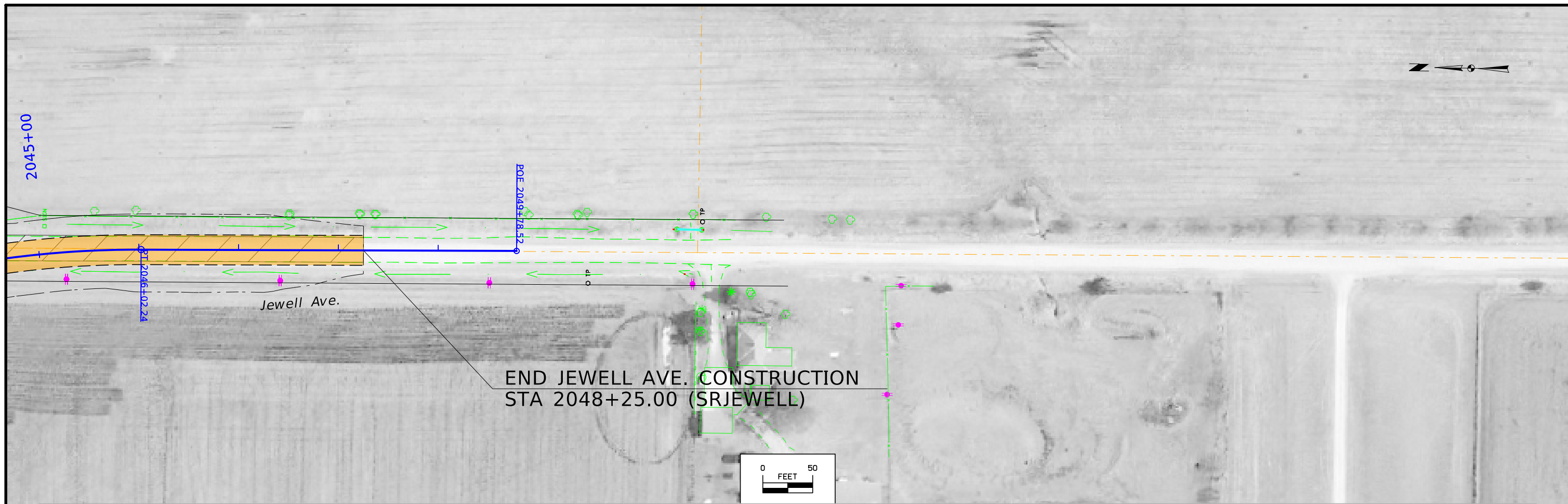


FILE NO.	ENGLISH	DESIGN TEAM	Flattery \ Johnson	MAHASKA COUNTY	PROJECT NUMBER	NHSX-063-3(93)--3H-62	SHEET NUMBER	E.7
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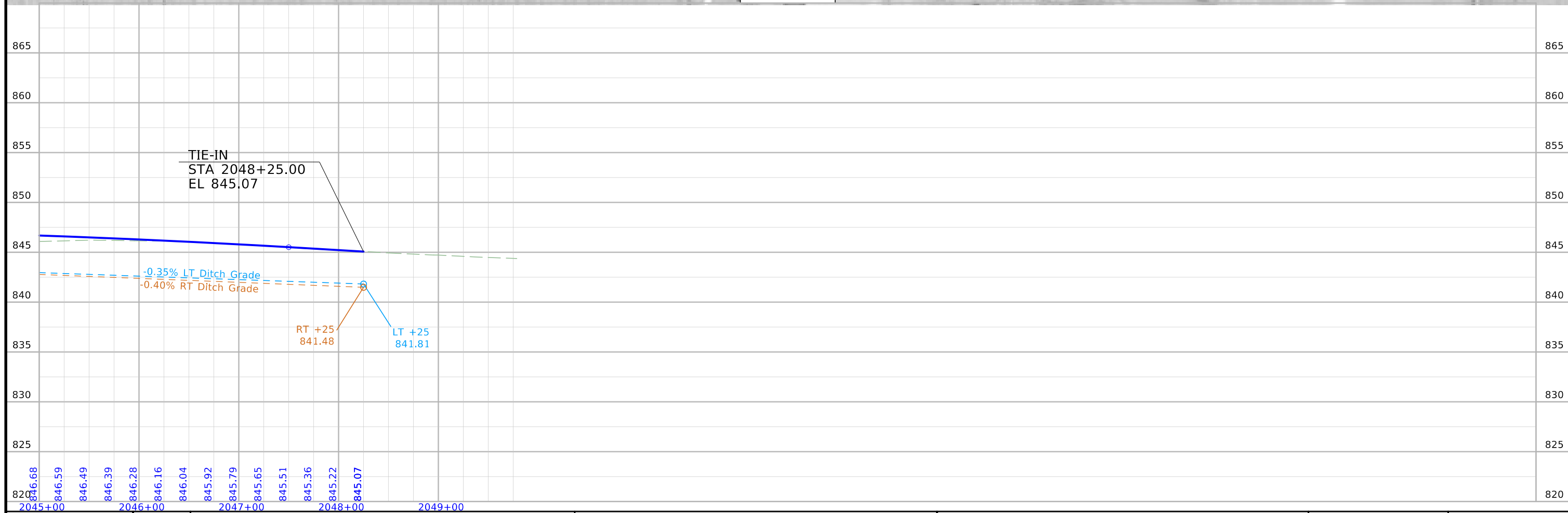


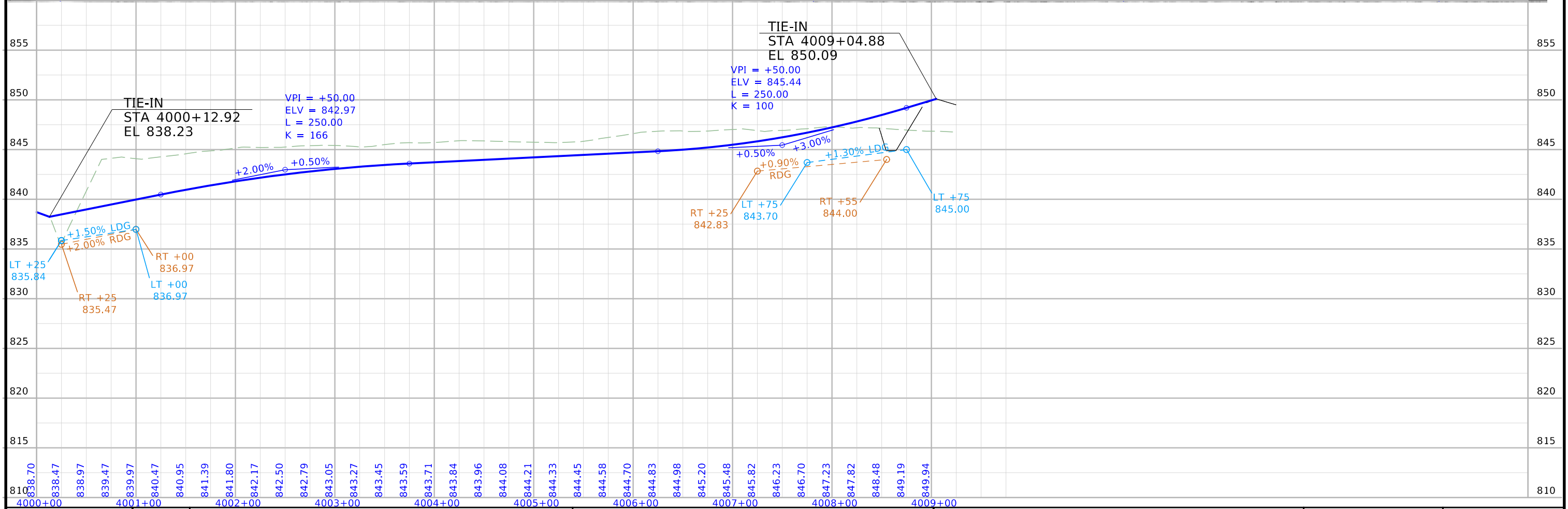
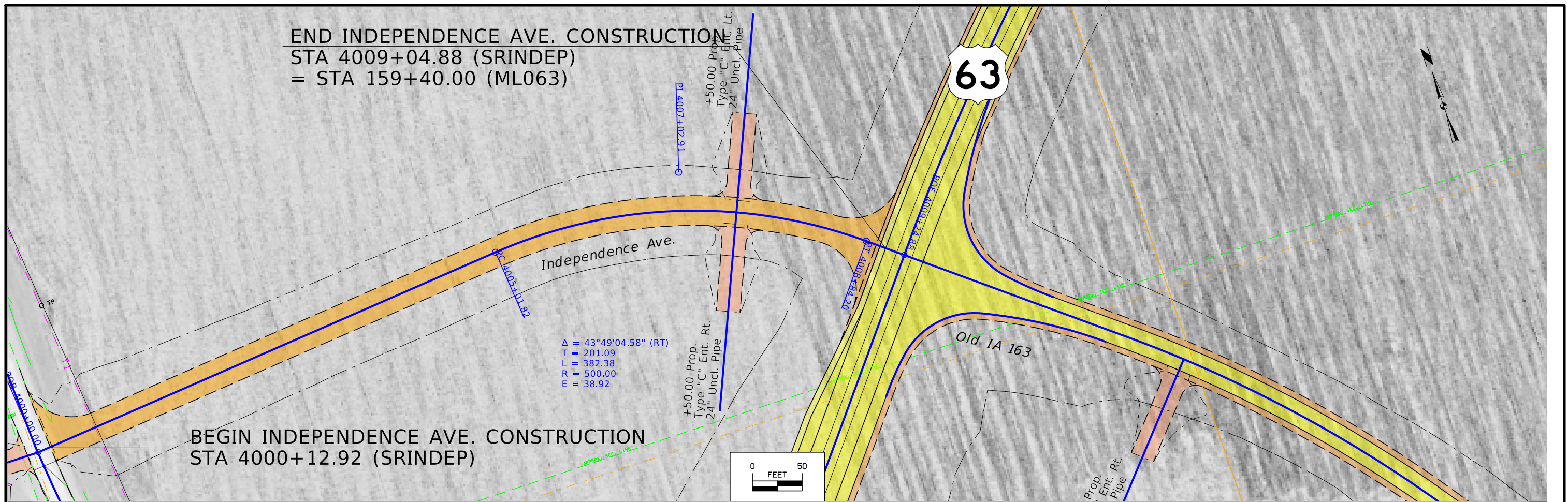
2030+00	2031+00	2032+00	2033+00	2034+00	2035+00	2036+00	2037+00	2038+00	2039+00	2040+00	2041+00	2042+00	2043+00	2044+00	2045+00
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FILE NO.	ENGLISH	DESIGN TEAM Flattery \ Johnson	MAHASKA COUNTY	PROJECT NUMBER NHSX-063-3(93)--3H-62	SHEET NUMBER E.8
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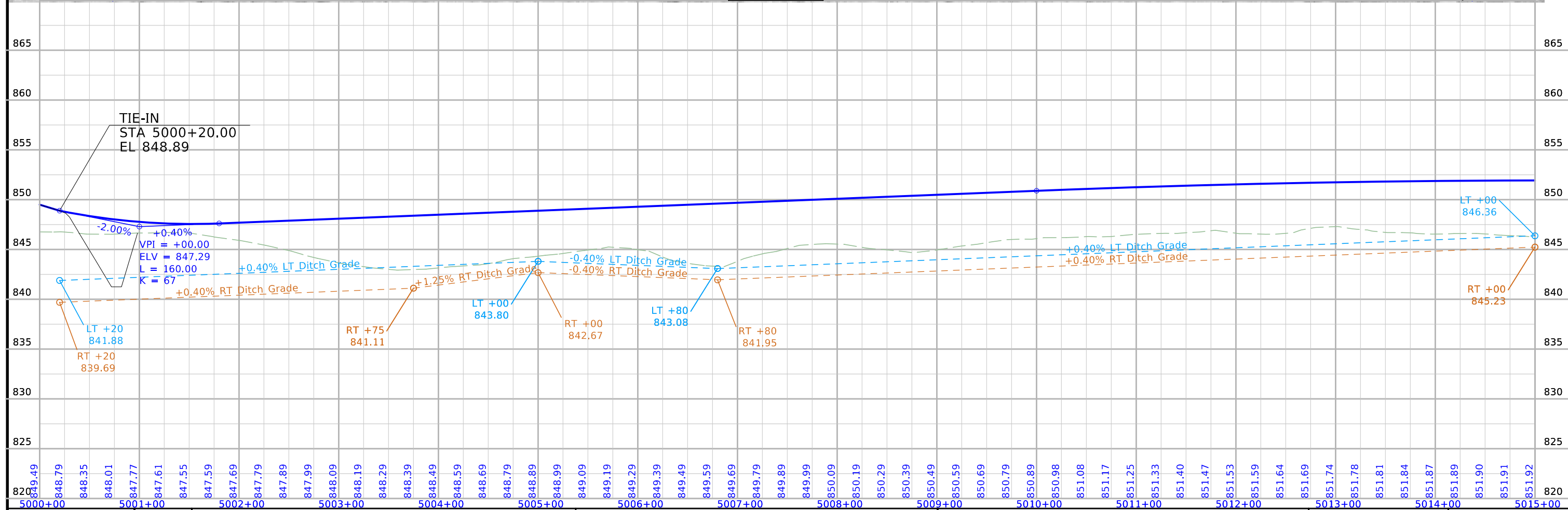
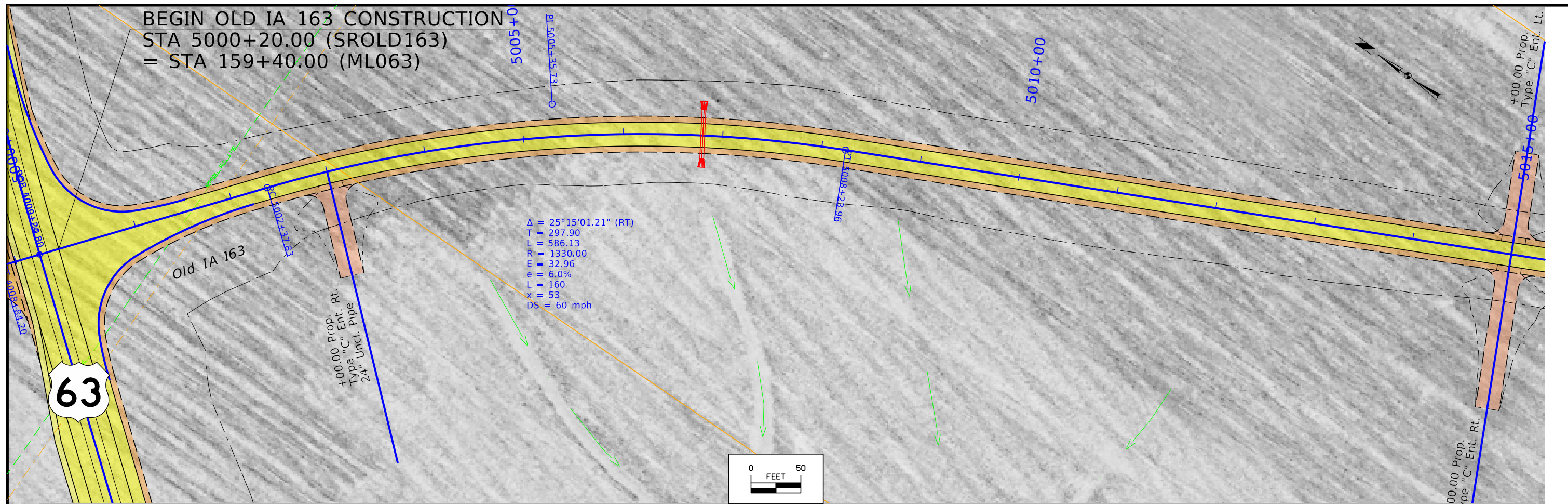


END JEWELL AVE. CONSTRUCTION  
 STA 2048+25.00 (SRJEWELL)

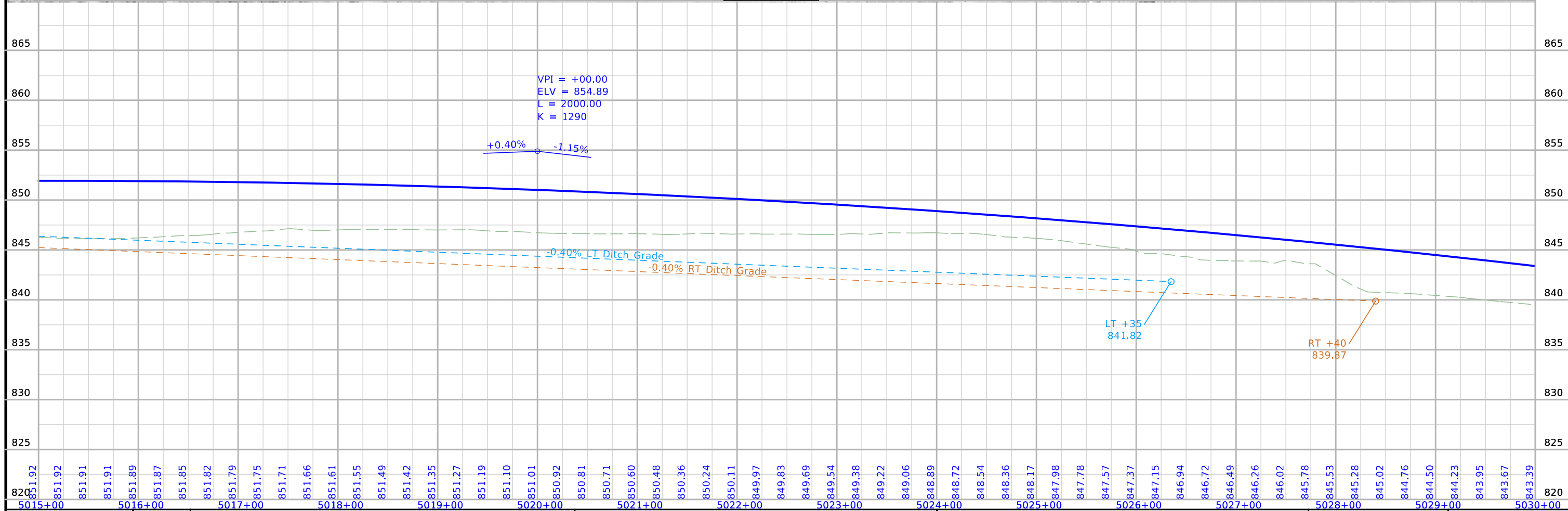
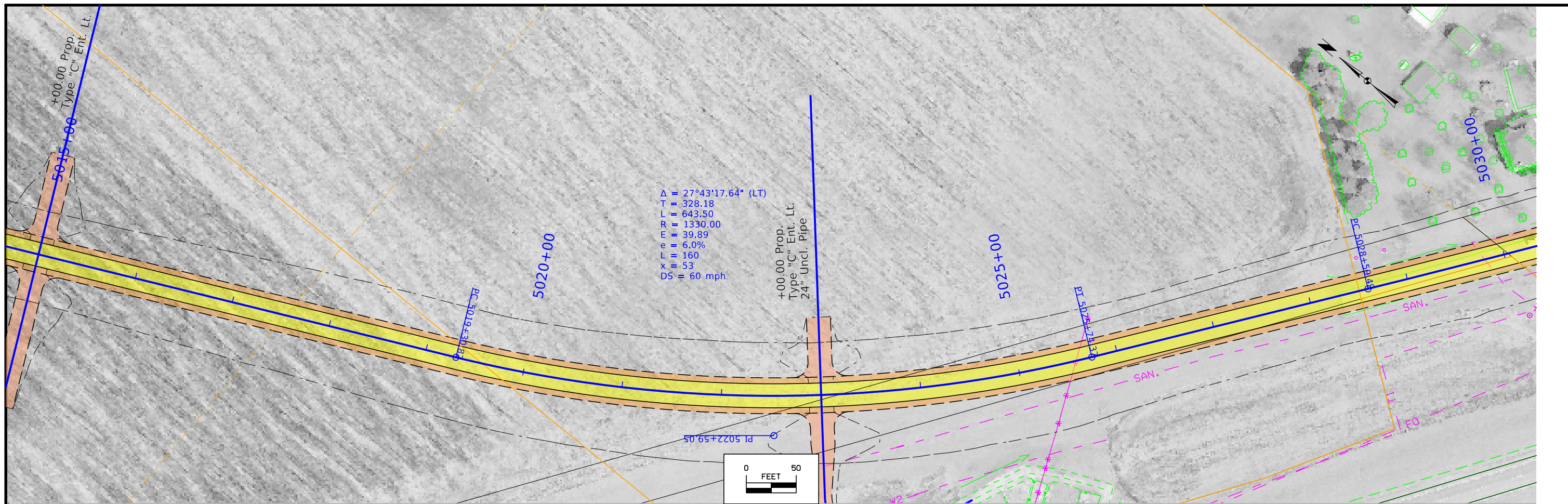




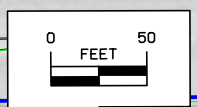
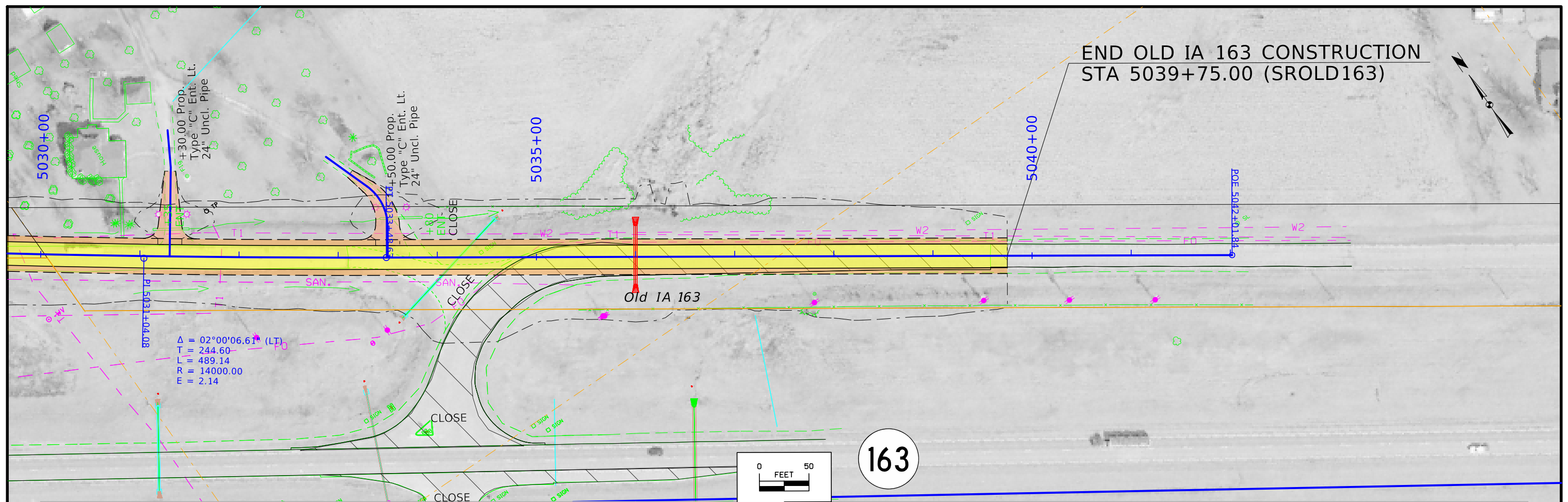
FILE NO.	ENGLISH	DESIGN TEAM	MAHASKA COUNTY	PROJECT NUMBER	SHEET NUMBER
		Flattery \ Johnson		NHSX-063-3(93)--3H-62	E.10



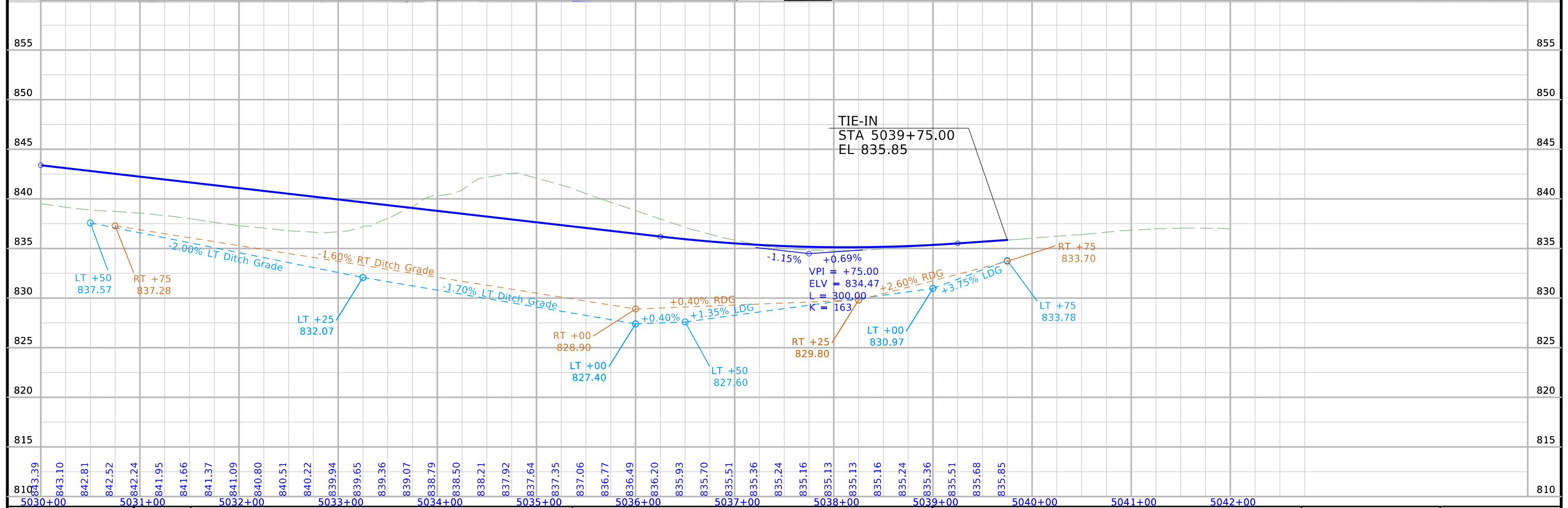
FILE NO.	ENGLISH	DESIGN TEAM	Flattery \ Johnson	MAHASKA COUNTY	PROJECT NUMBER	NHSX-063-3(93)--3H-62	SHEET NUMBER	E.11
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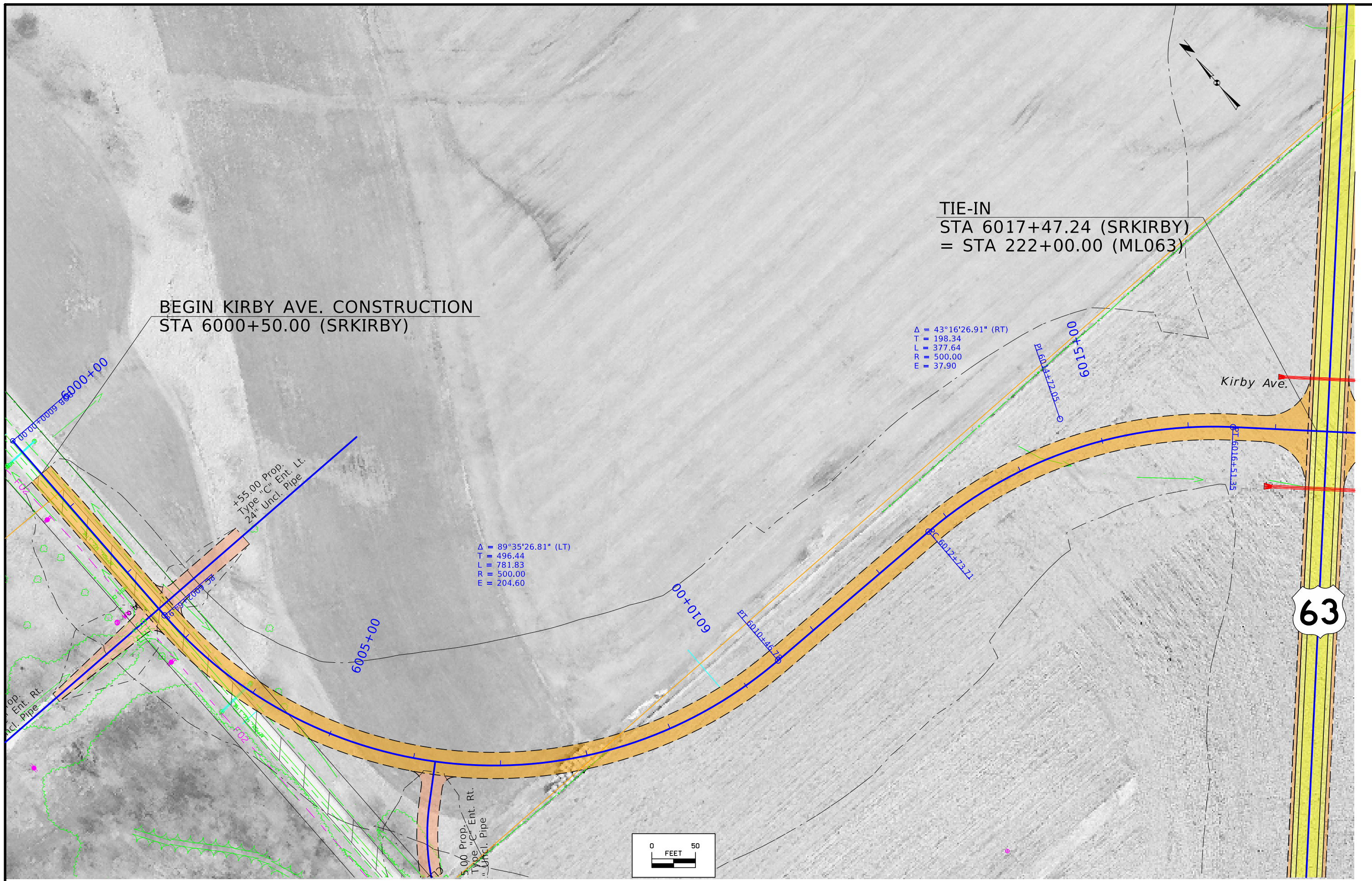
END OLD IA 163 CONSTRUCTION  
STA 5039+75.00 (SROLD163)



163



FILE NO.	ENGLISH	DESIGN TEAM	MAHASKA COUNTY	PROJECT NUMBER	SHEET NUMBER
		Flattery \ Johnson		NHSX-063-3(93)--3H-62	E.13

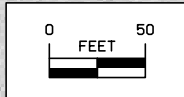


BEGIN KIRBY AVE. CONSTRUCTION  
STA 6000+50.00 (SRKIRBY)

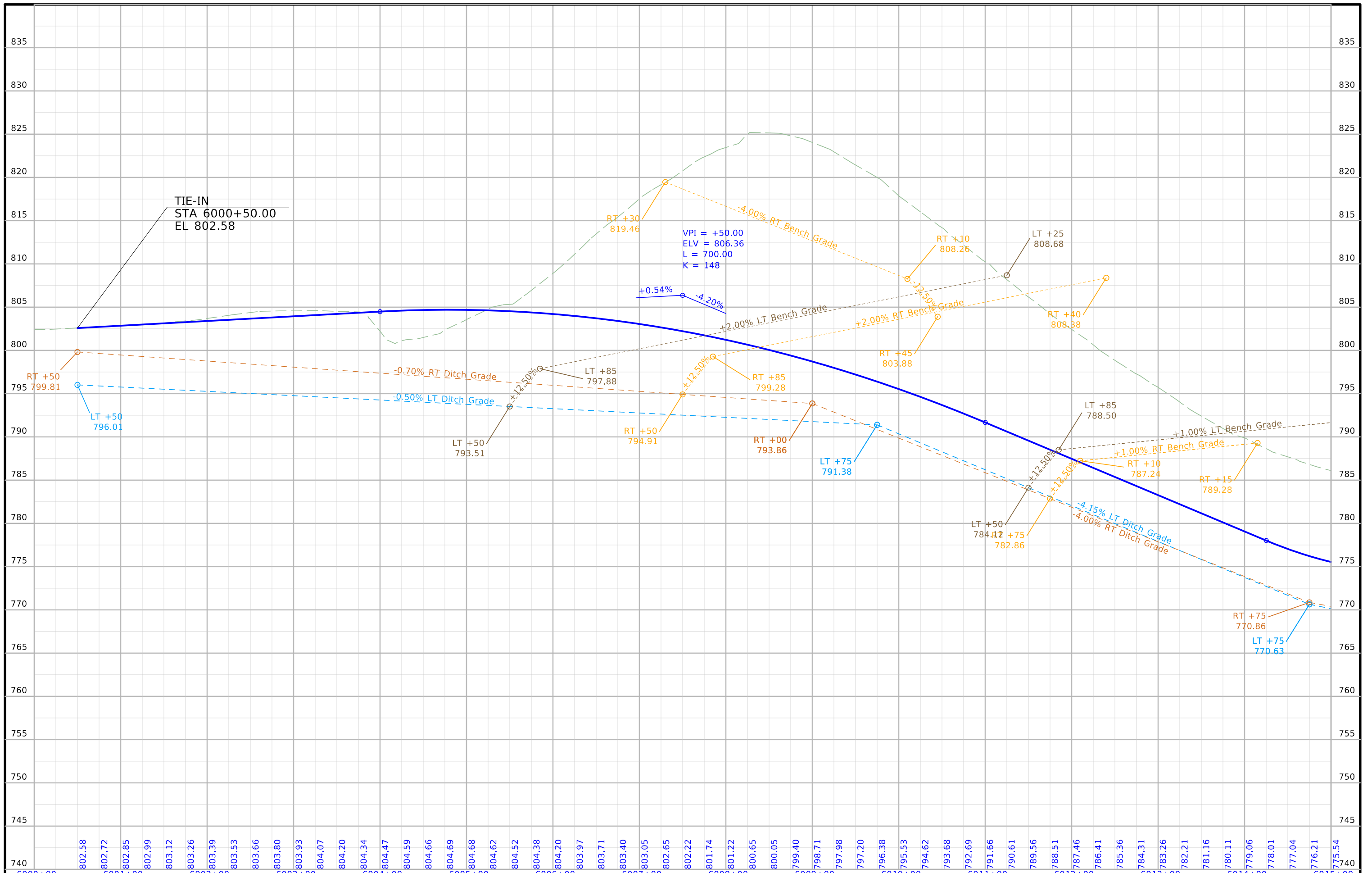
TIE-IN  
STA 6017+47.24 (SRKIRBY)  
= STA 222+00.00 (ML063)

$\Delta = 43^\circ 16' 26.91"$  (RT)  
T = 198.34  
L = 377.64  
R = 500.00  
E = 37.90

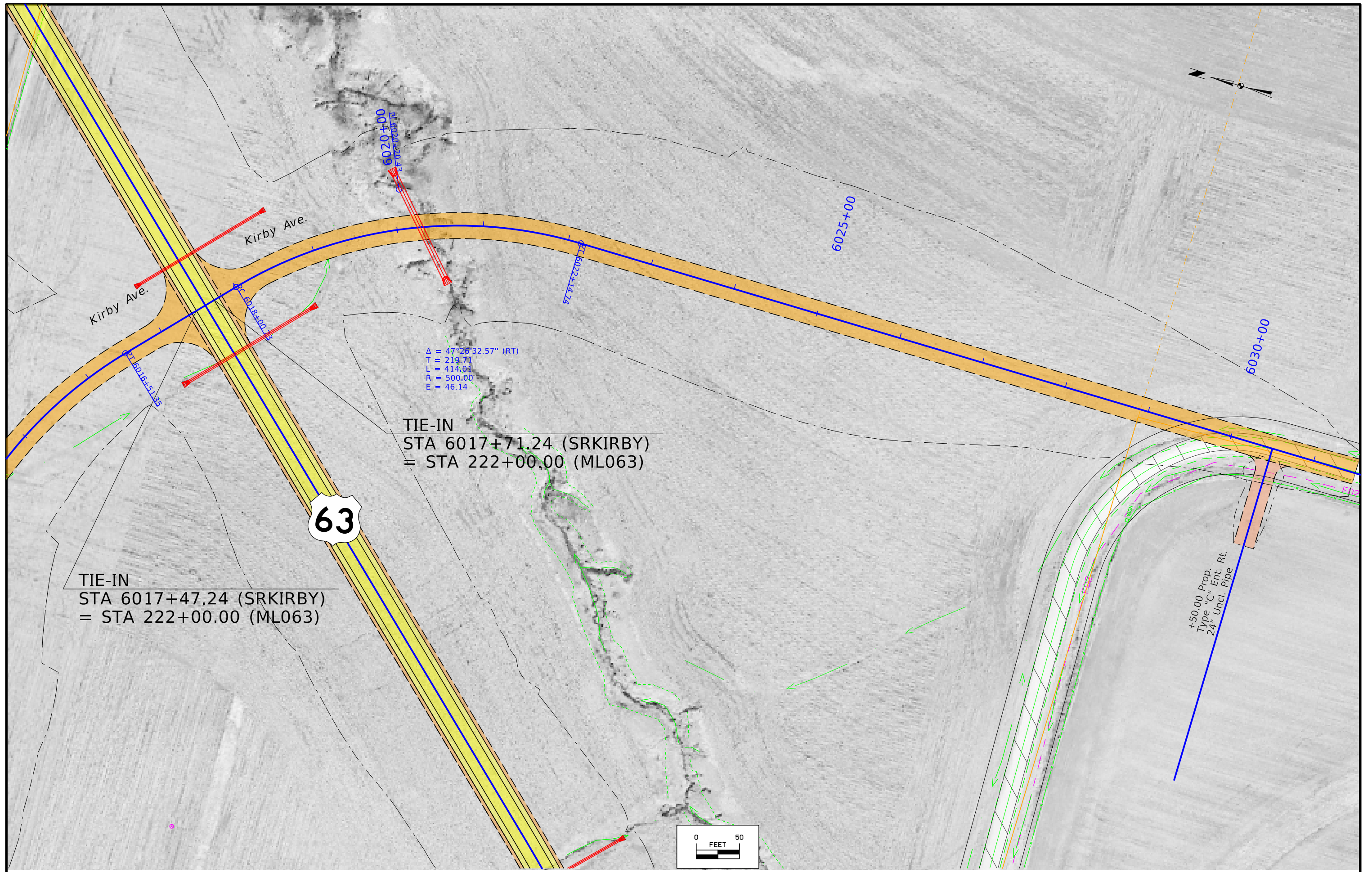
$\Delta = 89^\circ 35' 26.81"$  (LT)  
T = 496.44  
L = 781.83  
R = 500.00  
E = 204.60

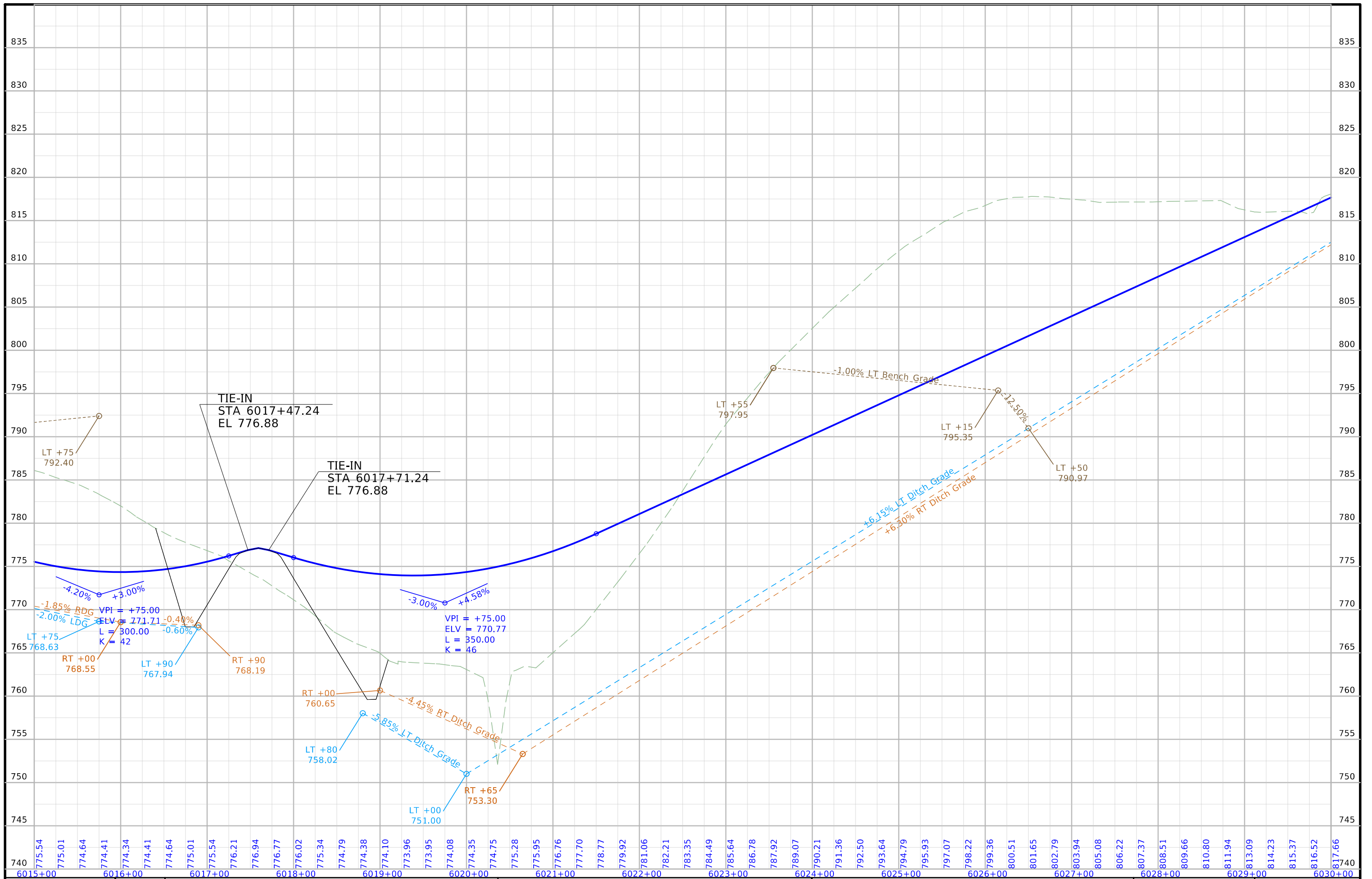






FILE NO.	ENGLISH	DESIGN TEAM	MAHASKA COUNTY	PROJECT NUMBER	SHEET NUMBER
		Flattery \ Johnson		NHSX-063-3(93)--3H-62	E.15





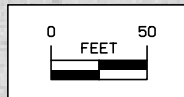
FILE NO.	ENGLISH	DESIGN TEAM	Flattery \ Johnson	MAHASKA COUNTY	PROJECT NUMBER	NHSX-063-3(93)--3H-62	SHEET NUMBER	E.17
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1:16:21 PM 3/9/2023 ajohns1 pw:\NTP\wint1.dot.int.lan:PWMain\Documents\Projects\6206302013\Design\093\_Preliminary\_Engineering\CADD\_Files\Sheet\_Files\E14-E19\_SRKIRBY\_62063093Z09\_ORD.dgn

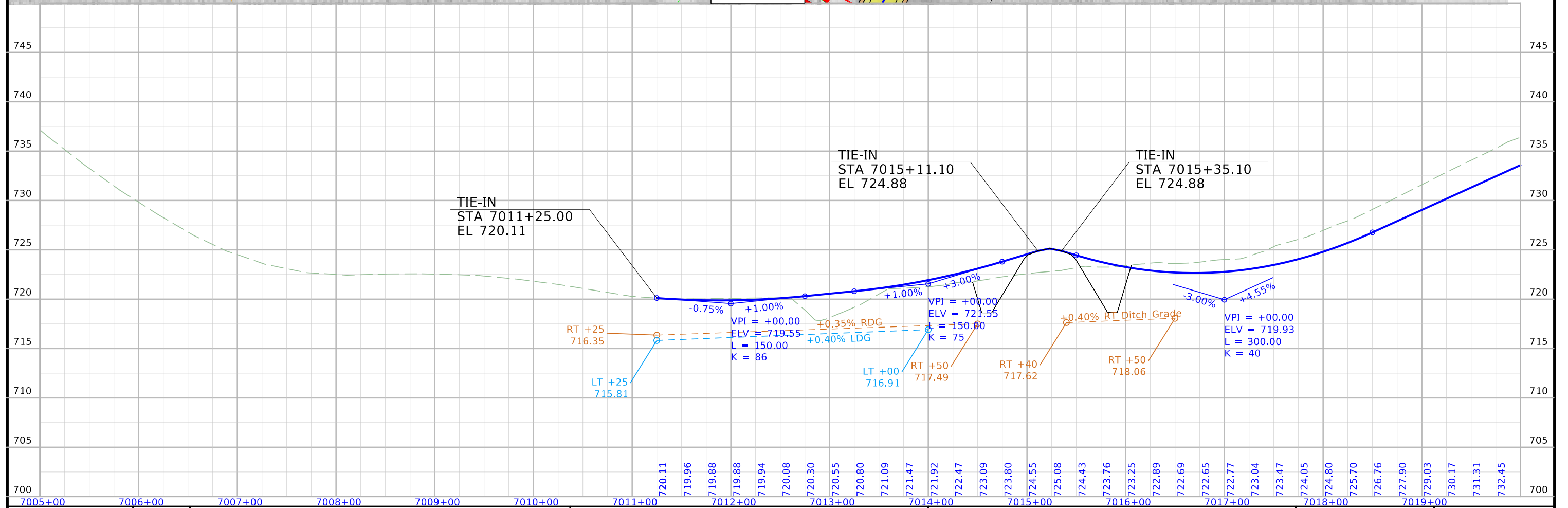
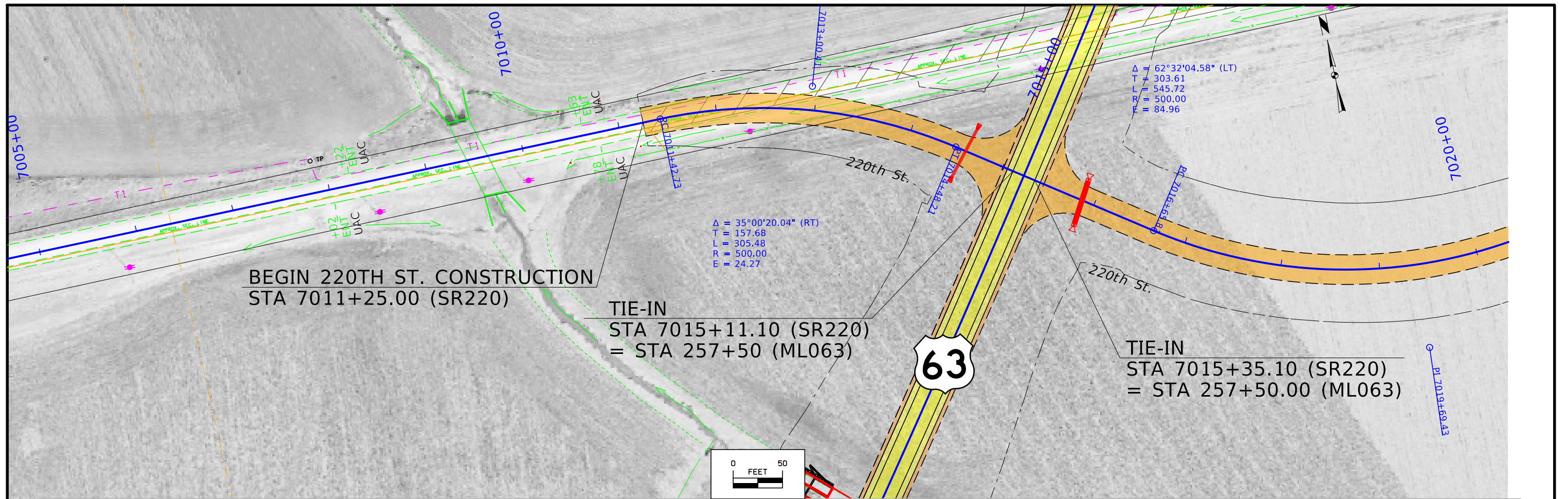


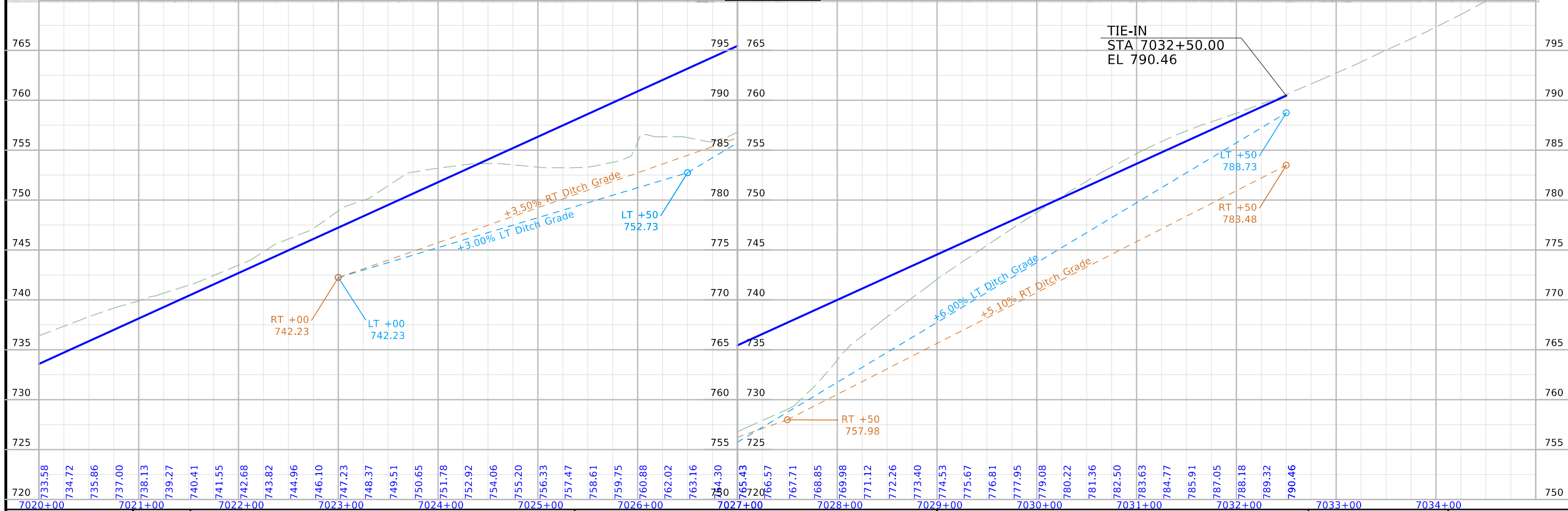
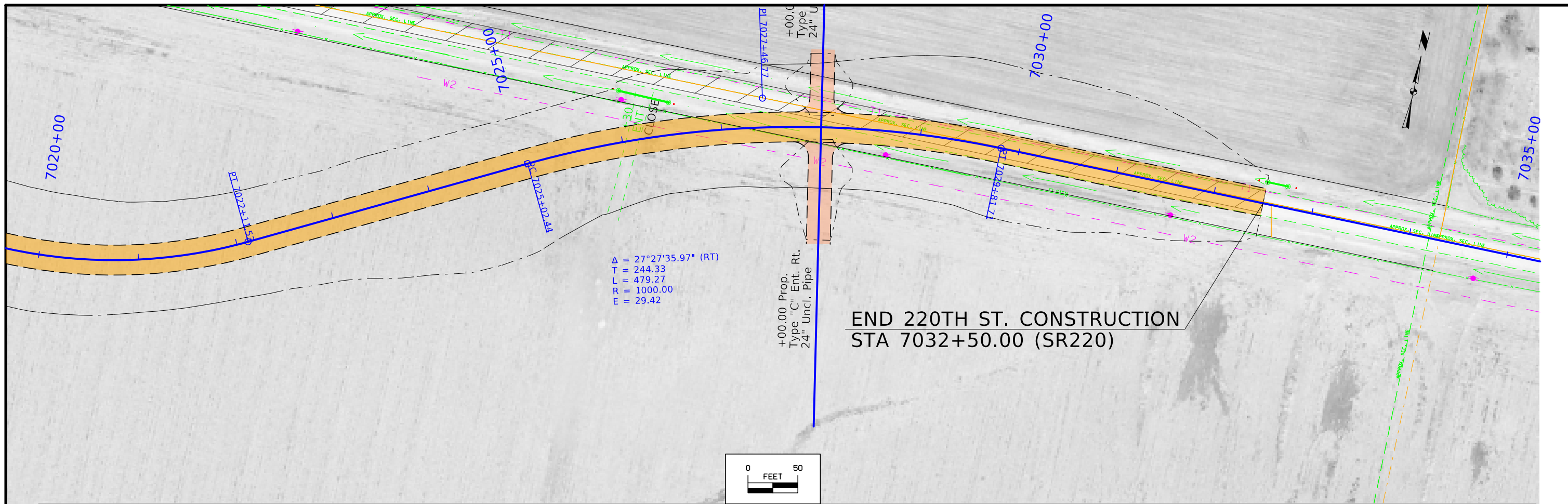
+50.00 Prop.  
Type "C" Ent. Rt.  
24" Uncl. Pipe

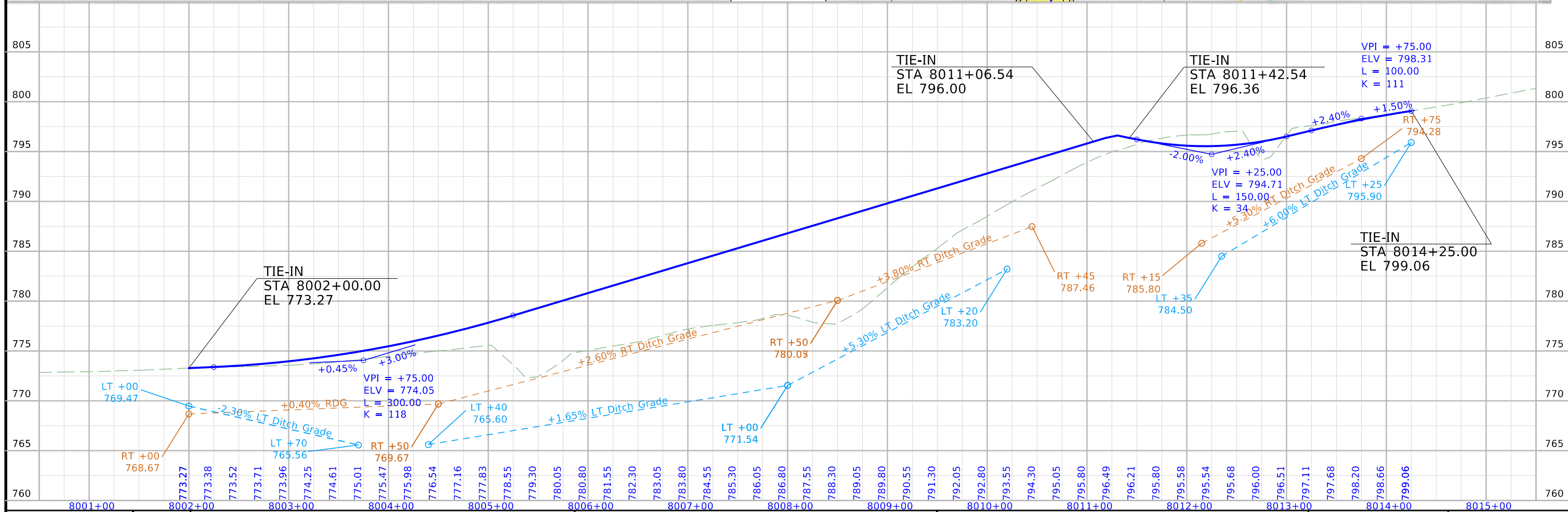
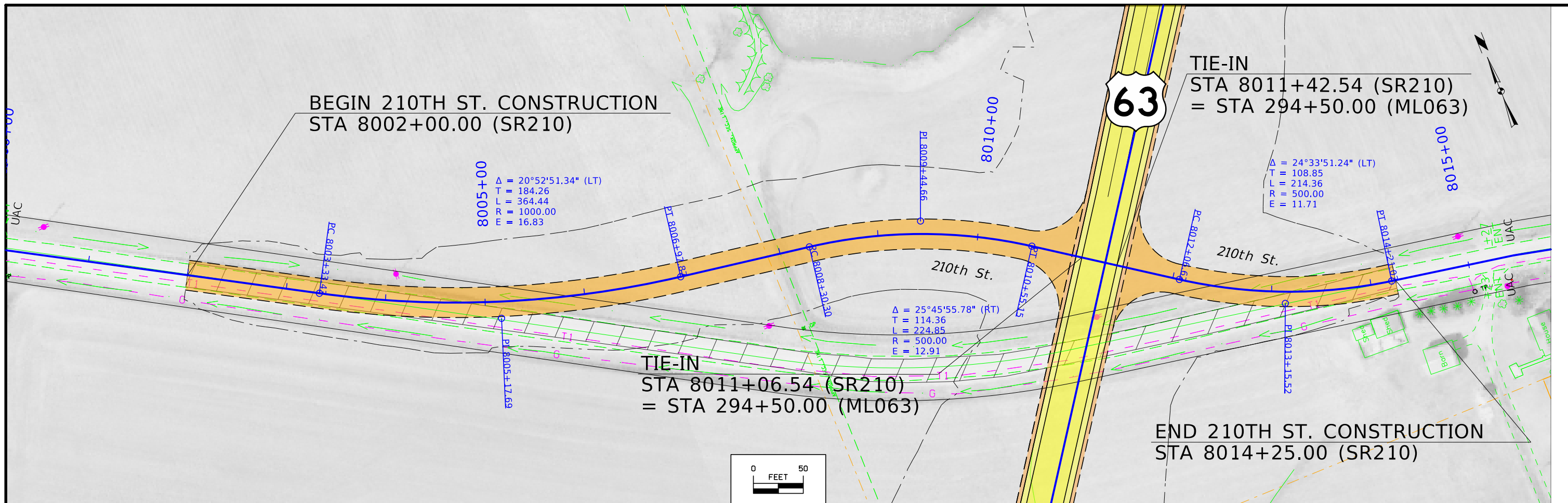
END KIRBY AVE. CONSTRUCTION  
STA 6031+50.00 (SRKIRBY)



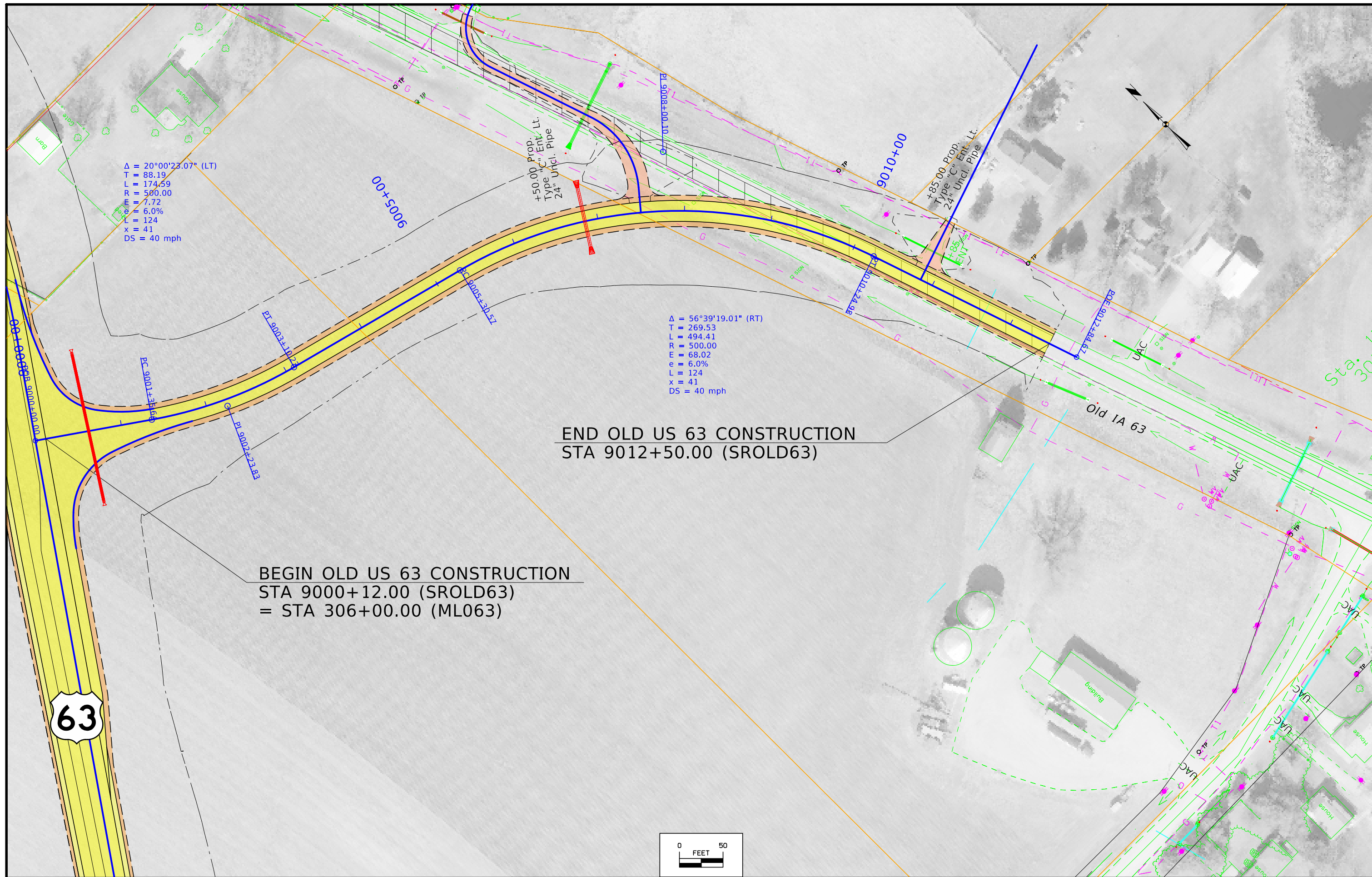










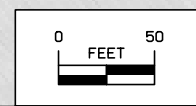


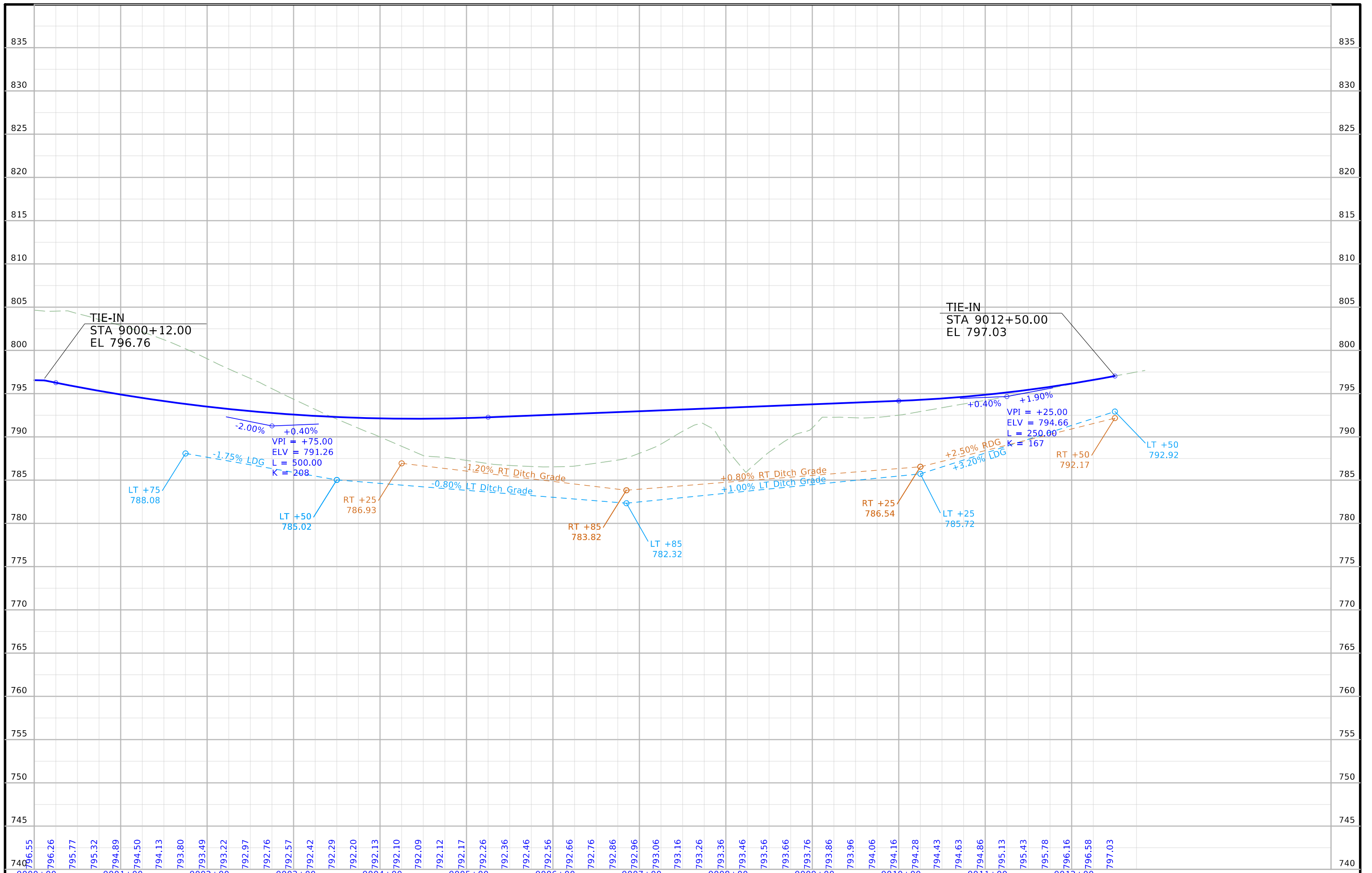
$\Delta = 20^{\circ}00'23.07"$  (LT)  
 T = 88.19  
 L = 174.59  
 R = 500.00  
 E = 7.72  
 e = 6.0%  
 L = 124  
 x = 41  
 DS = 40 mph

$\Delta = 56^{\circ}39'19.01"$  (RT)  
 T = 269.53  
 L = 494.41  
 R = 500.00  
 E = 68.02  
 e = 6.0%  
 L = 124  
 x = 41  
 DS = 40 mph

**END OLD US 63 CONSTRUCTION**  
**STA 9012+50.00 (SROLD63)**

**BEGIN OLD US 63 CONSTRUCTION**  
**STA 9000+12.00 (SROLD63)**  
**= STA 306+00.00 (ML063)**





FILE NO.	ENGLISH	DESIGN TEAM	Flattery \ Johnson	MAHASKA COUNTY	PROJECT NUMBER	NHSX-063-3(93)--3H-62	SHEET NUMBER	E.24
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END NORTH 210TH ST. CONSTRUCTION  
STA 10003+75.00 (SRN210)

STA 10003+75.00 (SRN210)

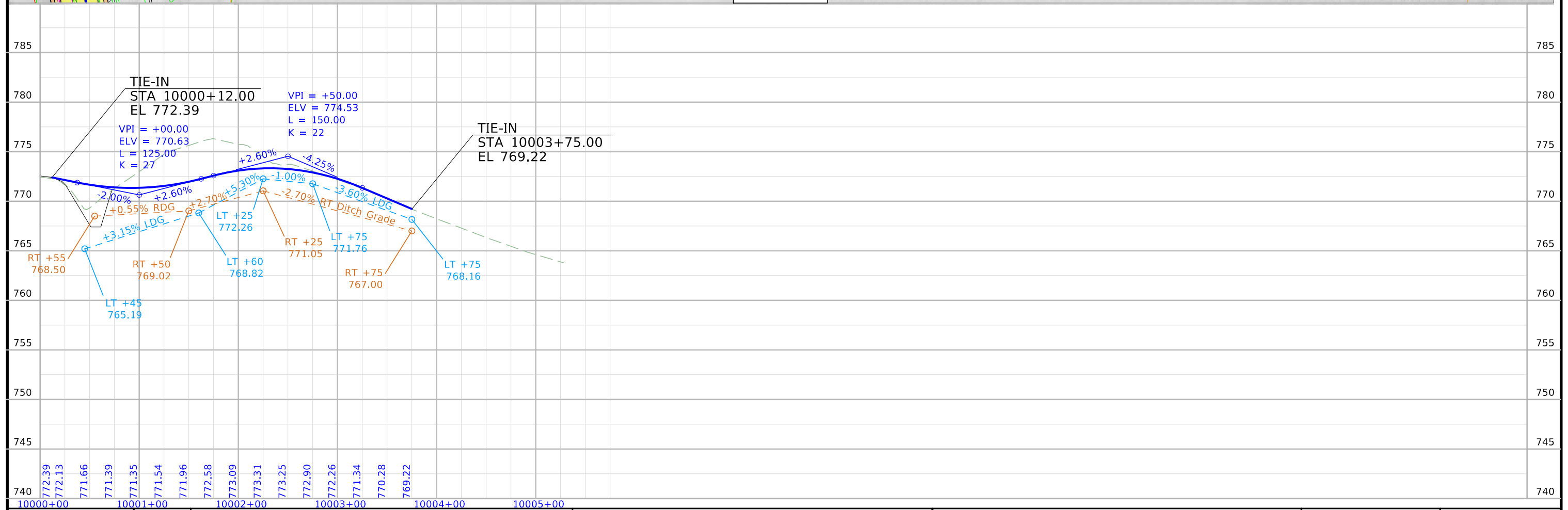
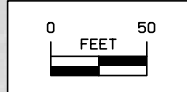
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POE 10001+28.119

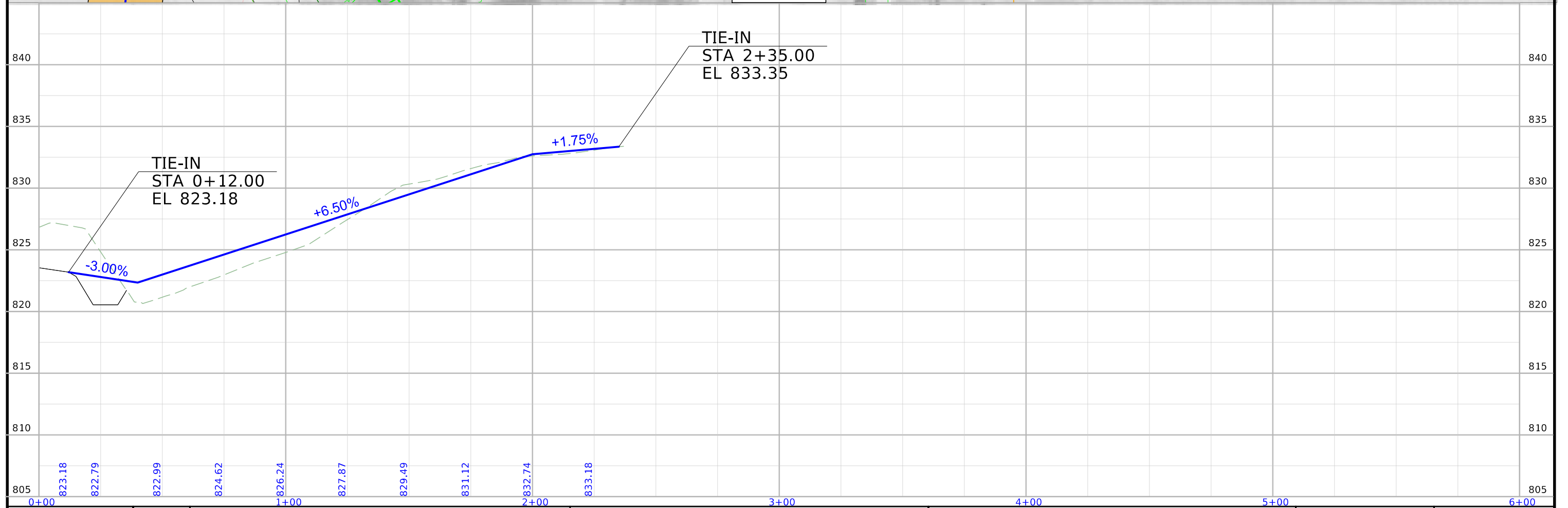
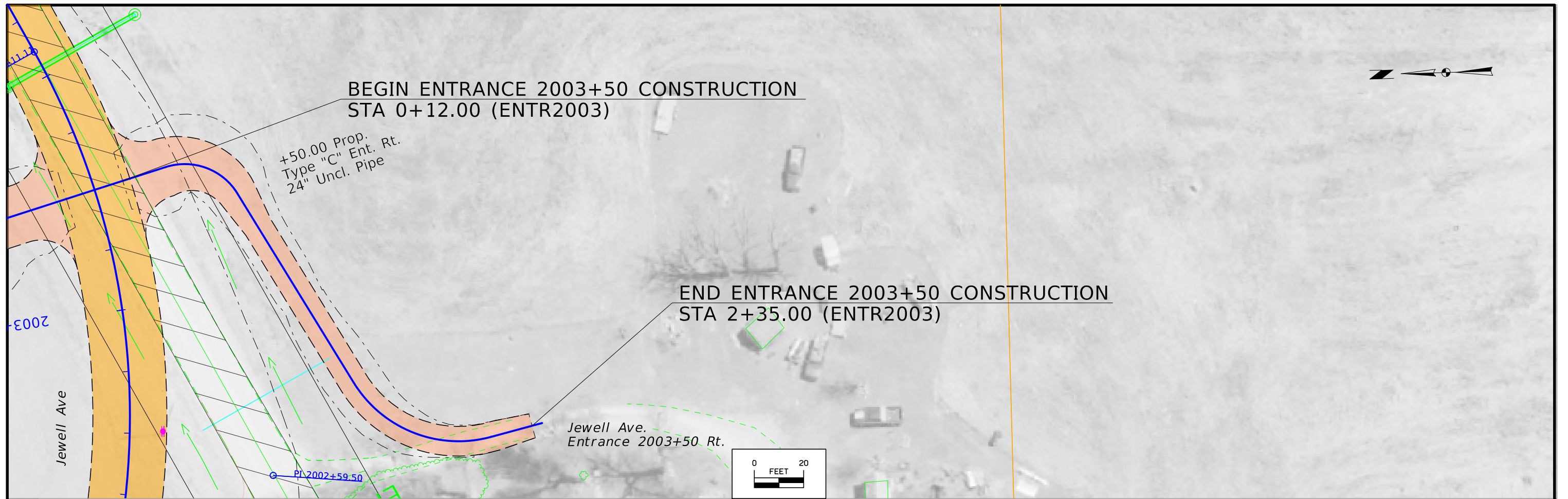
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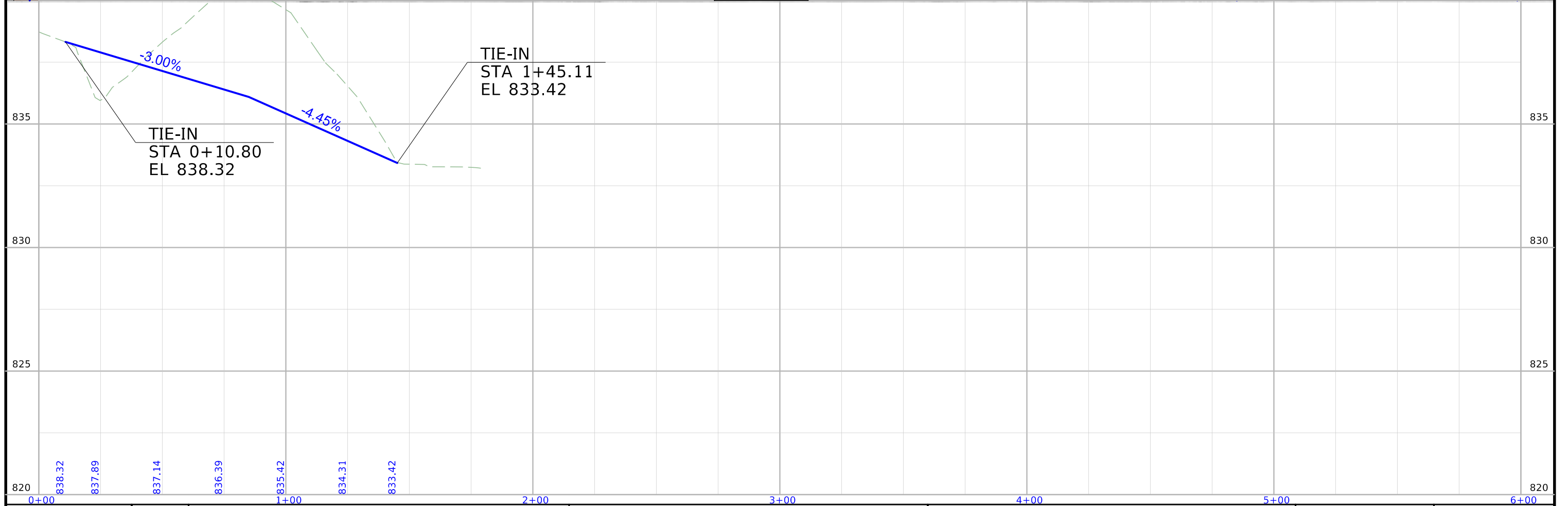
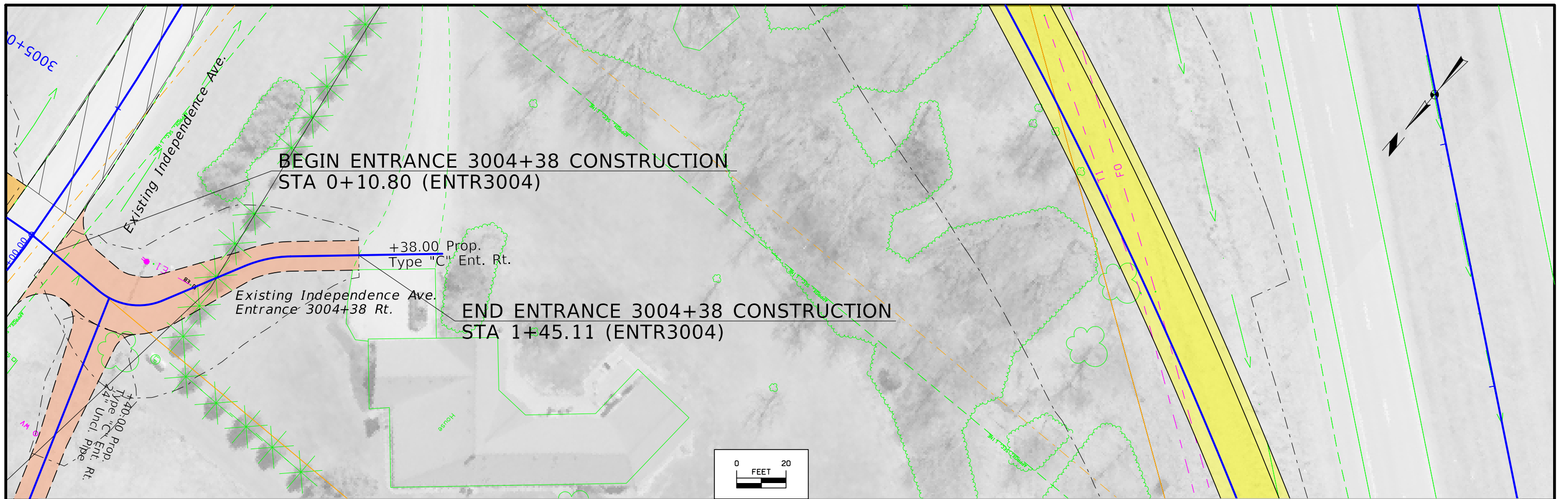
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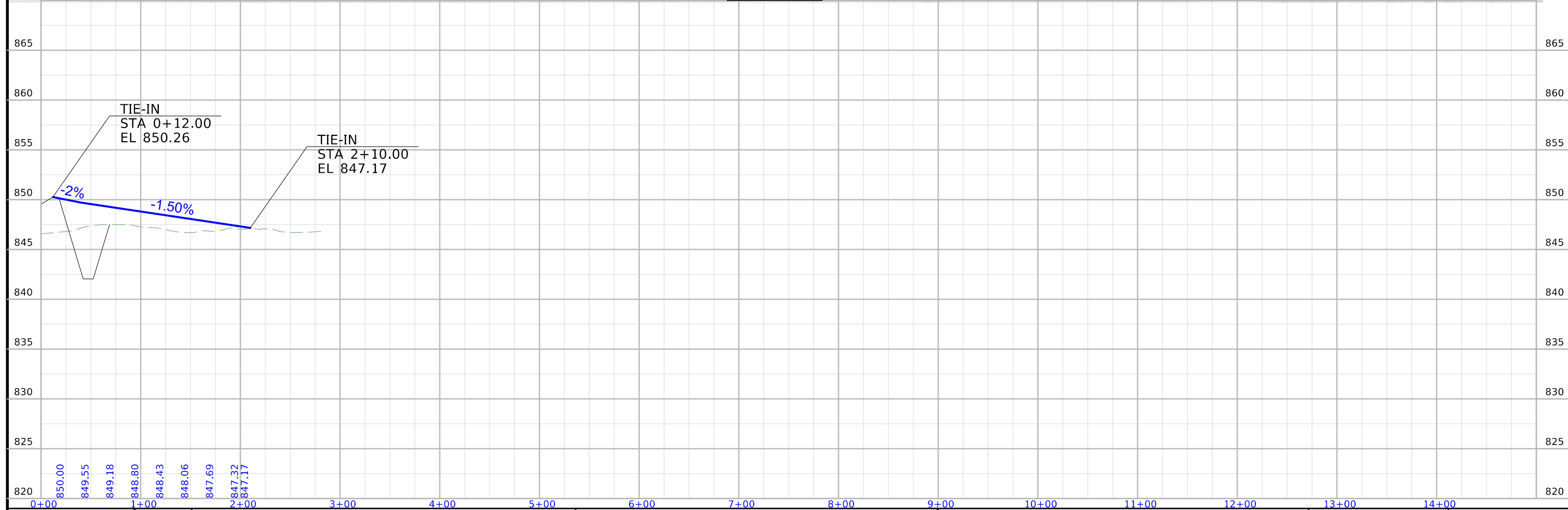
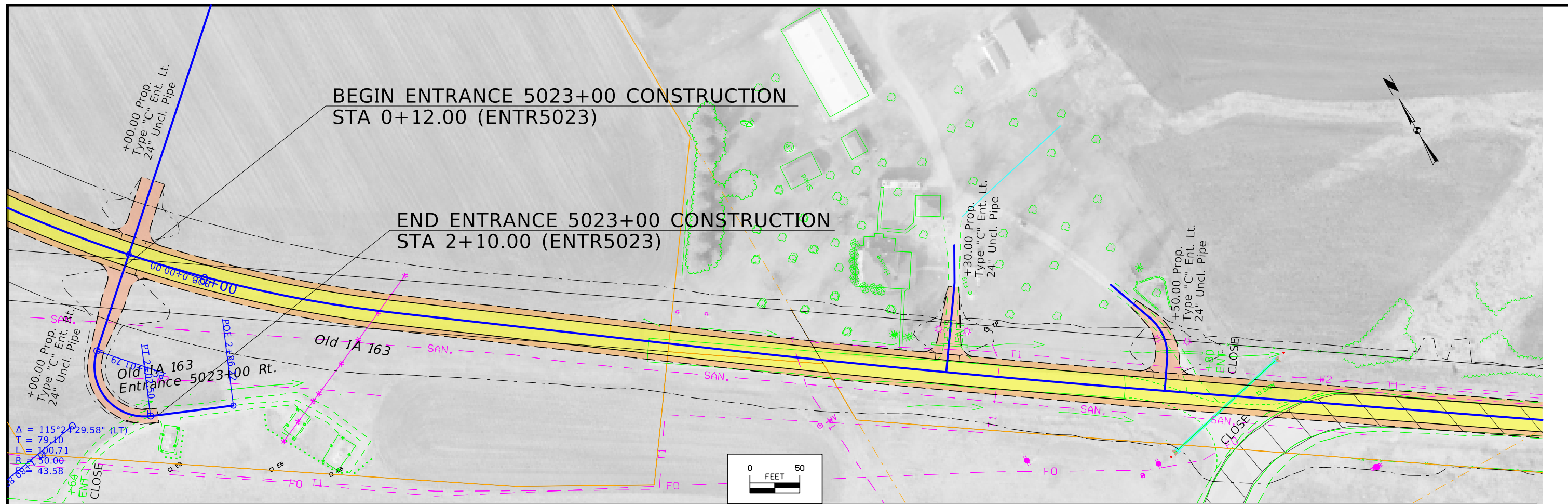
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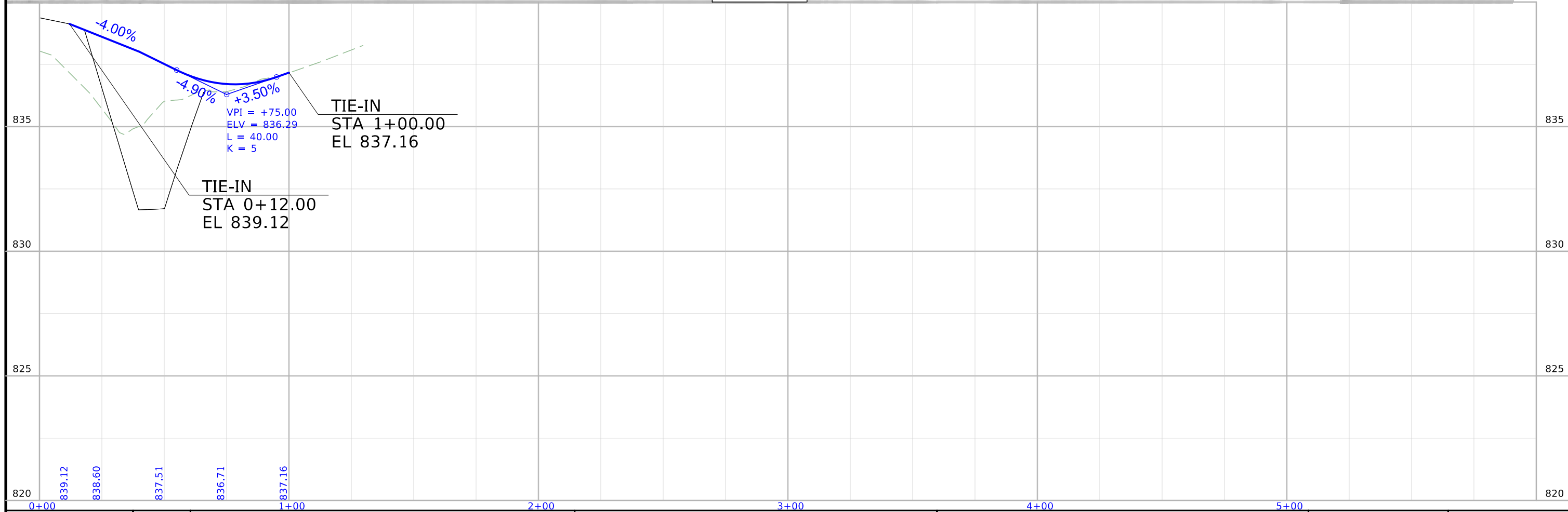
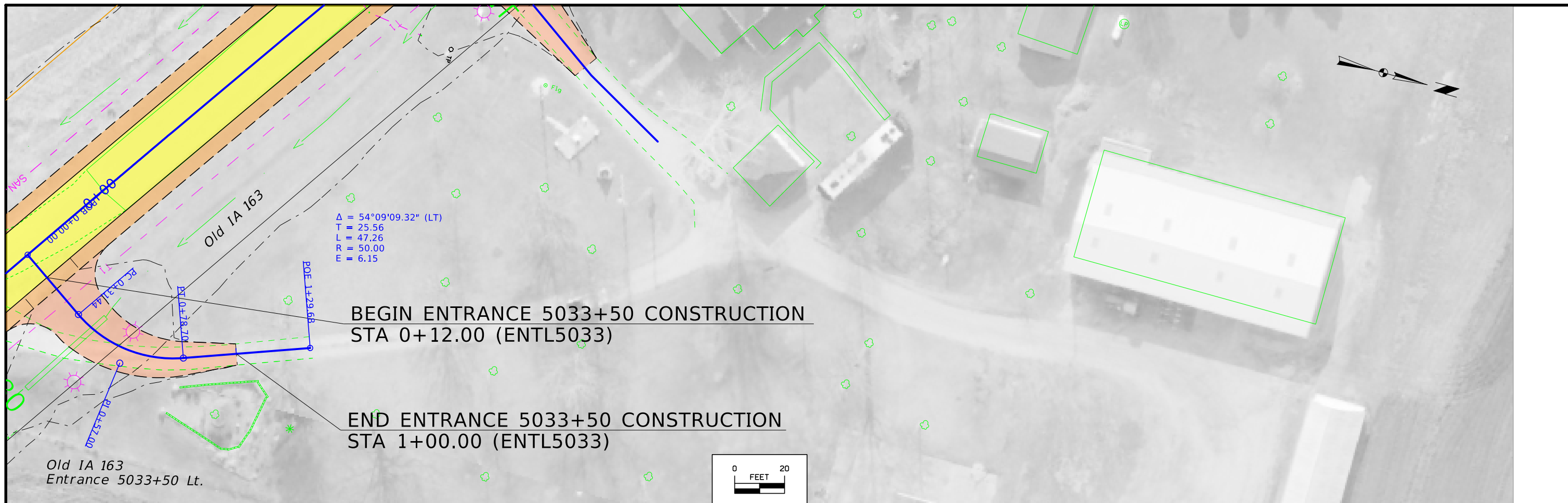


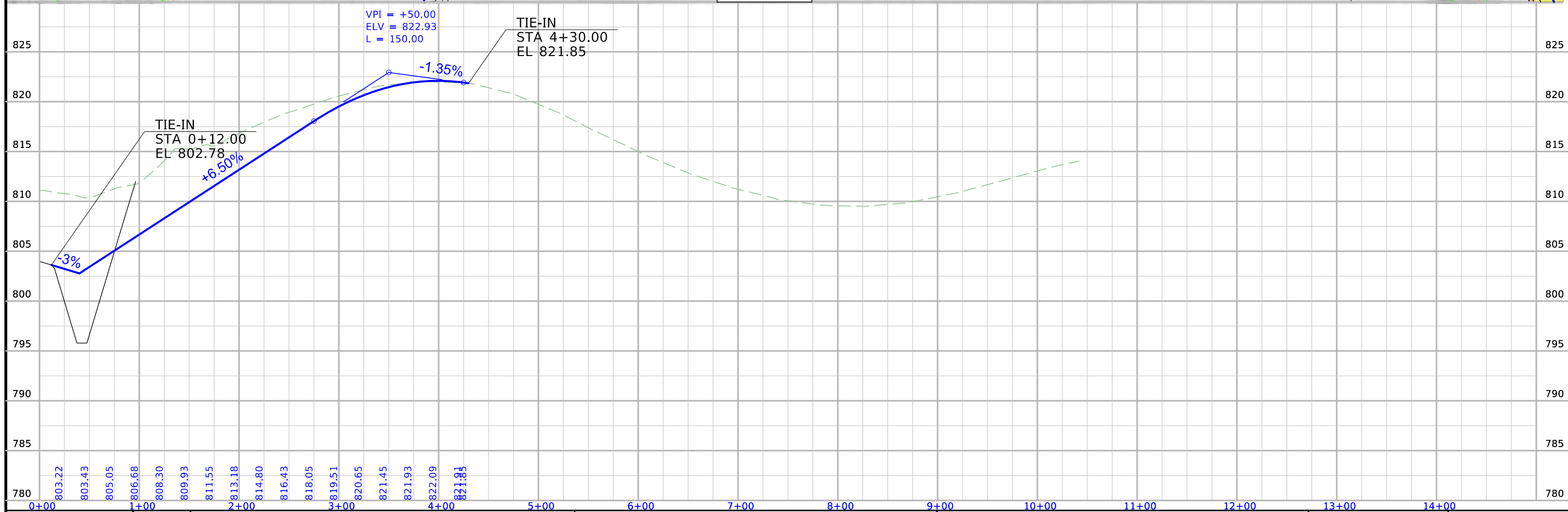
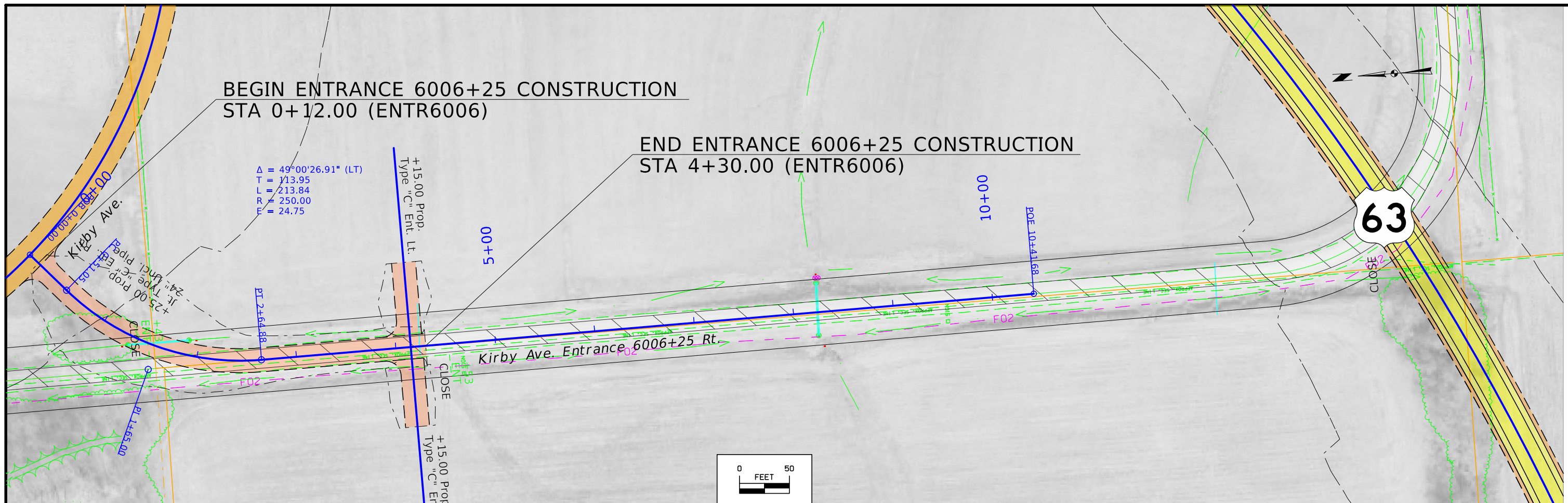
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		Flattery \ Johnson		NHSX-063-3(93)--3H-62	E.25



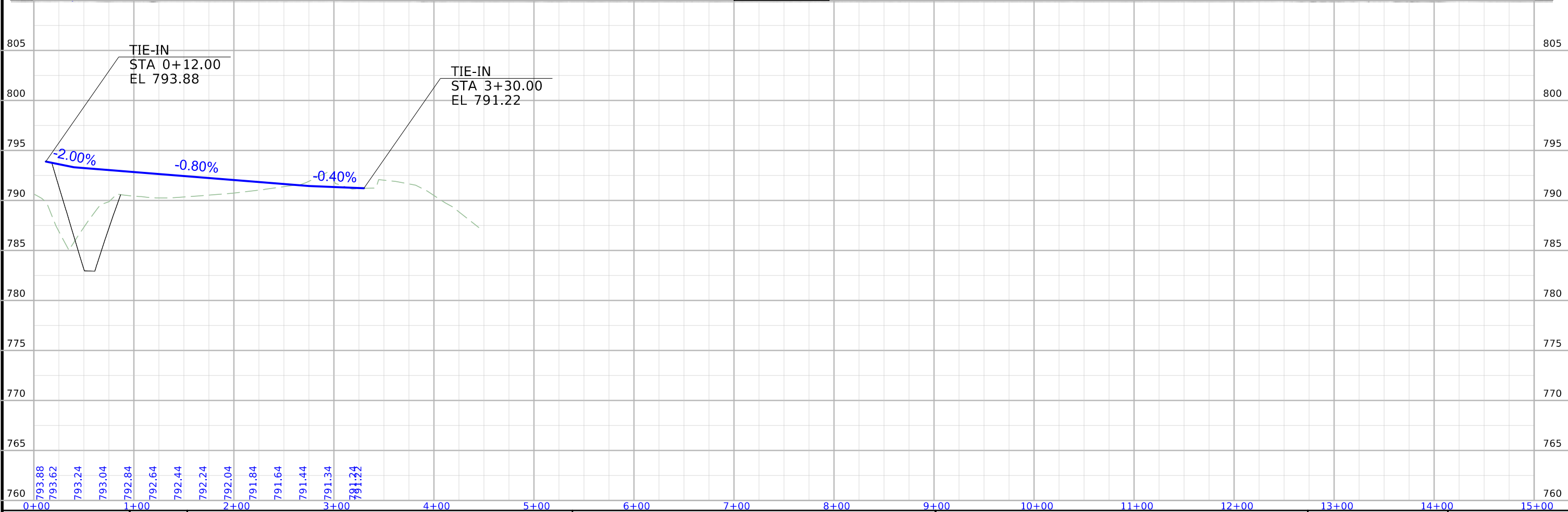


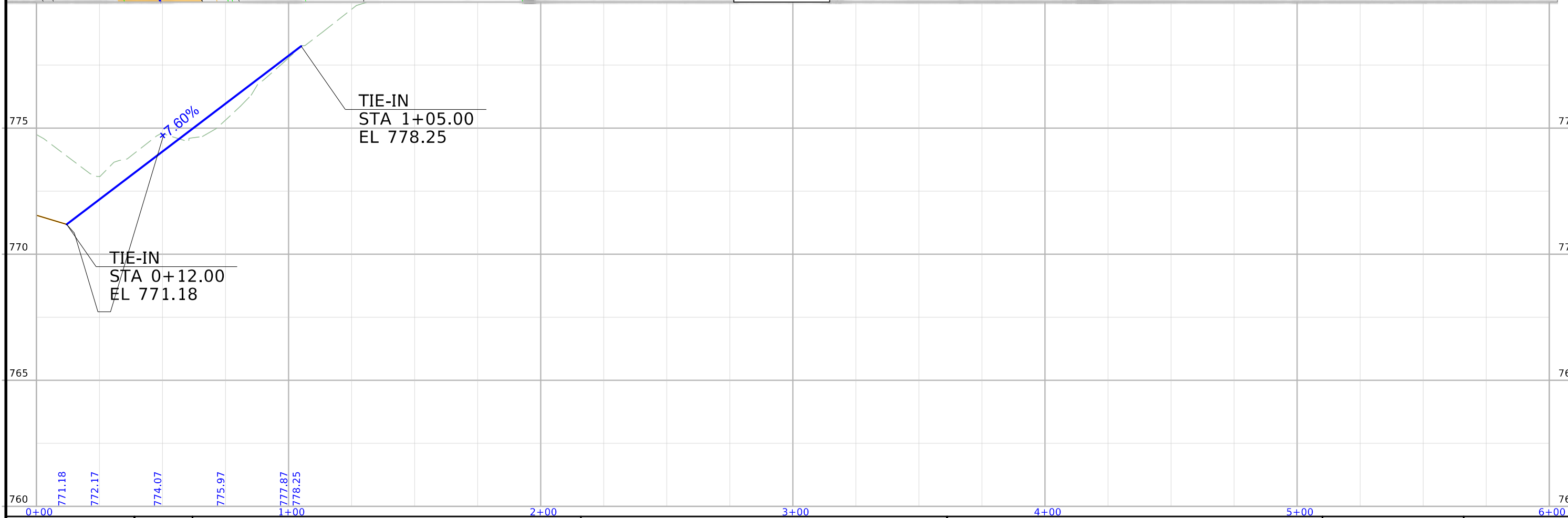
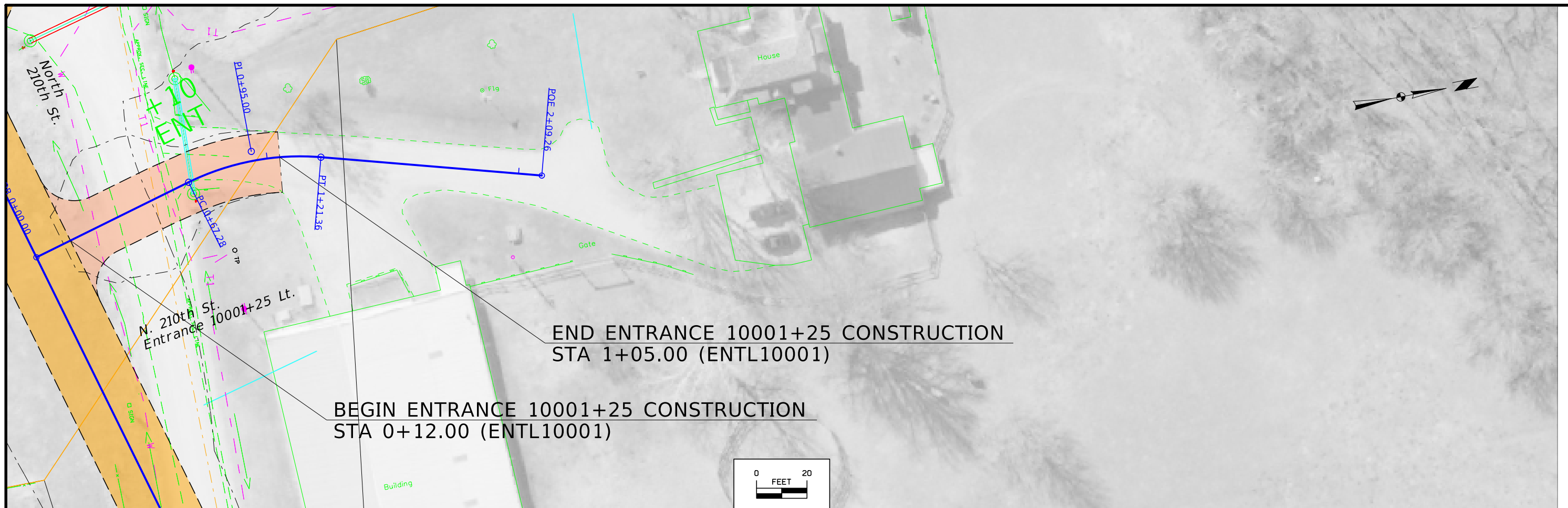
















**To:** Nikki Cuva/Jeff Larson  
Office of Right of Way Design

**Revised Final Draft:** February 2<sup>nd</sup>, 2023

**District 5:** Bob Younie  
Steven McElmeel

**Project Details:**  
PIN: 13-62-063-020  
Project #: NHSN-063-3(93)--3H-62  
ROW #: NHSN-063-3(94)--2R-62

**TAS:** Jan Laaser-Webb  
Traffic & Safety Bureau

**From:** Leilah Armstrong  
Traffic & Safety Bureau

**MAHASKA COUNTY**  
**US 63 NW Bypass of Oskaloosa**

**SUBJECT:** Access Review

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**PROJECT LOCATION AND DESCRIPTION:**

This concept involves the construction of the US 63 NW bypass around Oskaloosa.

**ACCESS PRIORITY CLASSIFICATION:**

From existing Jewell Avenue to existing Northshore Drive IA 163 will be reclassified as Priority 1. From relocated Independence Avenue northeast through the remaining length of the project the new US 63 will be Priority 3, with a minimum spacing requirement of 1,000 feet.

Note: At the time of this revised final the administrative rules have changed. We are not using type D entrance nomenclature nor the new category nomenclature, but the rule numbers have been updated. Priority 1 systems are now called Interstate/Freeway, and there is no equivalent for Priority 3 in rural sections. The spacing for this segment is to remain 1,000 feet and this letter will serve as an Access Management Plan for the NW Oskaloosa Bypass. Any further changes will require a new Access Management Plan in place of this Access Control Letter.

**ACCESS CONTROL LIMITS:**

No access will be allowed between relocated Northshore Drive and relocated Independence Avenue except at the ramps along new US 63/G43. No access will be allowed between existing Jewell Avenue and existing Northshore Drive except at ramps along IA 163.

For all side roads off US 63 access rights are to be acquired 150 feet away from the edge of traveled way in accordance with 112.5(5) "i". Approximate stations are shown below.

**US 63/G43**

Sta. 138+25 to Sta. 159+40

**Northshore Drive**

Sta. 1026+87 to Sta. 1028+37

**Jewell Avenue**

Sta. 2000+12 to Sta. 2001+62

**Independence Avenue**

Sta. 4007+50 to Sta. 4009+00

**Old IA 163**

Sta. 5000+20 to Sta. 5001+70

**Kirby Avenue**

Sta. 6015+97 to Sta. 6017+47 and

Sta. 6017+71 to Sta. 6019+21

**220<sup>th</sup> Street**

Sta. 7013+61 to Sta. 7015+11 and

Sta. 7015+35 to Sta. 7016+85

**210<sup>th</sup> Street**

Sta. 8009+56 to Sta. 8011+06 and

Sta. 8011+42 to Sta. 8012+92

**Old US 63**

Sta. 9000+12 to Sta. 9001+62

**North 210<sup>th</sup> Street**

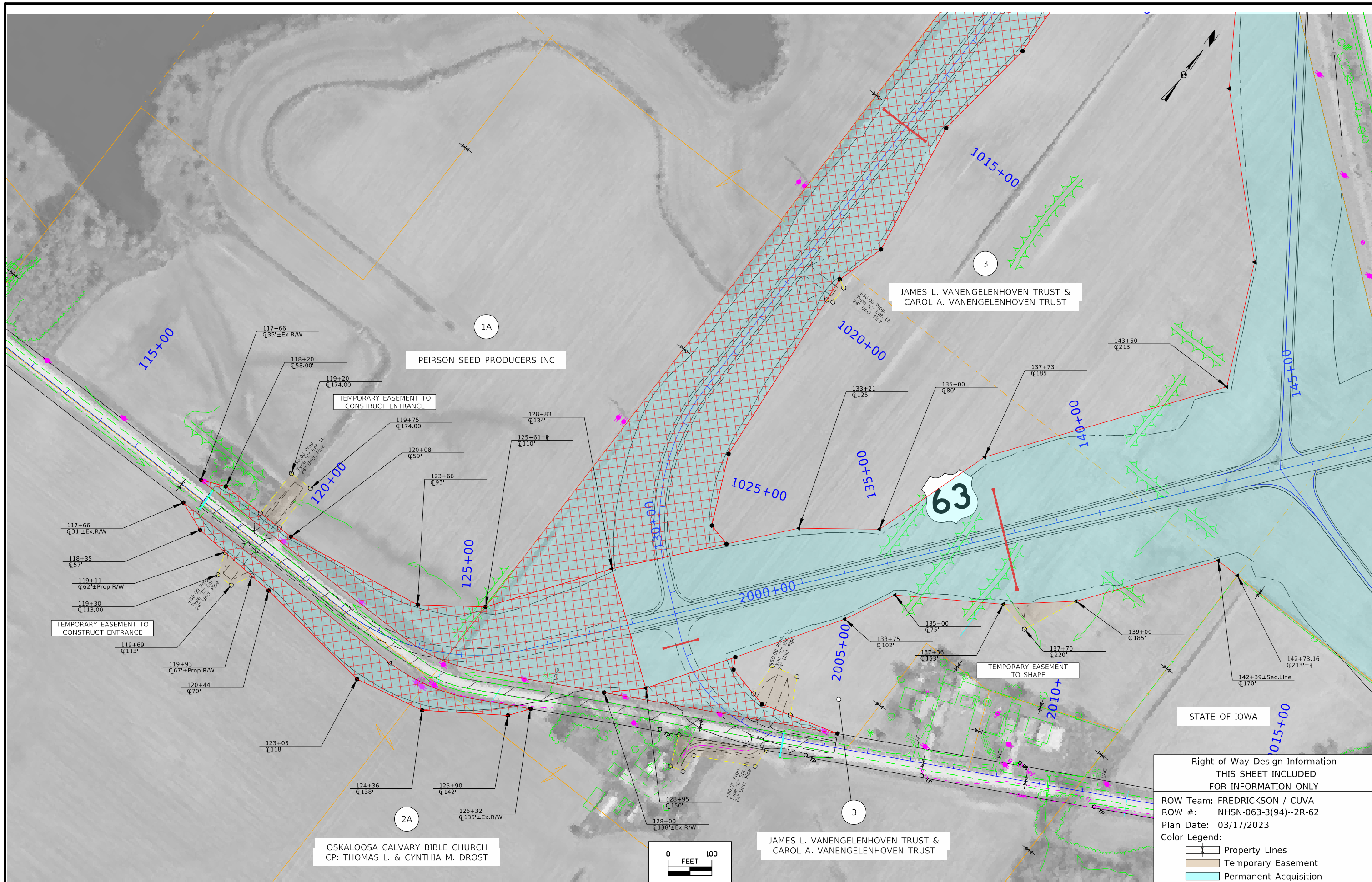
Sta. 10000+12 to Sta. 10001+25

Note: Less than 150 feet of access rights are being acquired along North 210<sup>th</sup> Street due to impacts on the property.

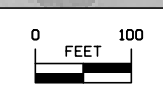
**ACCESS LOCATION DETAILS:**

<b>Location</b>	<b>Access</b>	<b>Comments</b>
118+00	<b>ML US 63</b>	Begin Construction
119+37 RT	Type C Entrance	<b>Close – Relocated to 119+50 RT</b>
119+50 RT	Type C Entrance	Proposed – Relocated from 119+37 RT
119+50 LT	Type C Entrance	Proposed – Relocated from 119+56 LT
119+56 LT	Type C Entrance	<b>Close – Relocated to 119+50 LT</b>
130+00	<b>Northshore Drive/ Jewell Avenue</b>	Proposed
159+40	<b>Independence Avenue/Old IA 163</b>	Proposed
222+00	<b>Kirby Avenue</b>	Proposed
257+50	<b>220<sup>th</sup> Street</b>	Proposed
294+50	<b>210<sup>th</sup> Street</b>	Proposed
306+00 RT	<b>Old US 63</b>	Proposed
320+20 RT	<b>210<sup>th</sup> Street</b>	Proposed
322+00	<b>ML US 63</b>	End Construction
	<b>ML IA 163</b>	
1234+38	Type C Entrance/ <b>Old Northshore Dr</b>	<b>Close All Including Median Crossing</b>
1252+30	<b>Old Independence Ave</b> /Type C Entrance	<b>Close All Including Median Crossing</b>
1265+61	Type C Entrance/ <b>Old G43</b>	<b>Close All Including Median Crossing</b>
1277+64 LT	Type C Entrance	<b>Close</b>
1289+10	<b>Old Jewell Ave/Old IA 163</b>	<b>Close All Including Median Crossing</b>
	<b>ML IA 163</b>	
1000+08	<b>SR NSHORE</b>	Begin Construction
1019+50 LT	Type C Entrance	Proposed
1028+37	<b>SR NSHORE</b>	End Construction
2000+12	<b>SR JEWELL</b>	Begin Construction
2003+50	Type C Entrance	Proposed on both sides – right relocated from old G43
2006+80 LT	Type C Entrance	UAC from old G43
2008+75 LT	Type C Entrance	UAC from old G43
2011+30 LT	Type C Entrance	UAC from old G43
2044+00	Type C Entrance	Proposed on both sides– Relocated from Old Jewell Drive
2048+25	<b>SR JEWELL</b>	End Construction
4000+13	<b>SR INDEP</b>	Begin Construction
4000+13	Joint Type C Entrance	Proposed end of new Independence Ave – Relocated from old Independence Ave

4007+50	Type C Entrance	Proposed on both sides
4009+04	<b>SR INDEP</b>	End Construction
5000+20	<b>SR OLD163</b>	Begin Construction
5015+00	Type C Entrance	Proposed on both sides
5023+00	Type C Entrance	Proposed on both sides
5031+30 LT	Type C Entrance	Proposed
5031+35 LT	Type C Entrance	<b>Close</b>
5033+50 LT	Type C Entrance	Proposed
5033+80 LT	Type C Entrance	<b>Close</b>
5039+75	<b>SR OLD163</b>	End Construction
6000+50	<b>SR Kirby</b>	Begin Construction
6002+55 RT	Type C Entrance	Proposed
6002+55 LT	Type C Entrance	Proposed
6006+25 RT	Type C Entrance	Proposed
6030+50 RT	Type C Entrance	Proposed
6031+50	<b>SR Kirby</b>	End Construction
7011+25	<b>SR 220</b>	Begin Construction
7026+30 LT	Type C Entrance	<b>Close – Relocated to 7028+00 RT</b>
7028+00 RT	Type C Entrance	Proposed – Relocated from 7026+30
7028+00 LT	Type C Entrance	Proposed
7032+50	<b>SR 220</b>	End Construction
9000+12	<b>SR OLD63</b>	Begin Construction
9007+50 LT	Type C Entrance	Proposed
9010+85 LT	Type C Entrance	Proposed
9012+50	<b>SR OLD63</b>	End Construction
10000+12	<b>SR N210</b>	Begin Construction
10001+25 LT	Type C Entrance	Proposed
10003+75	<b>SR N210</b>	End Construction

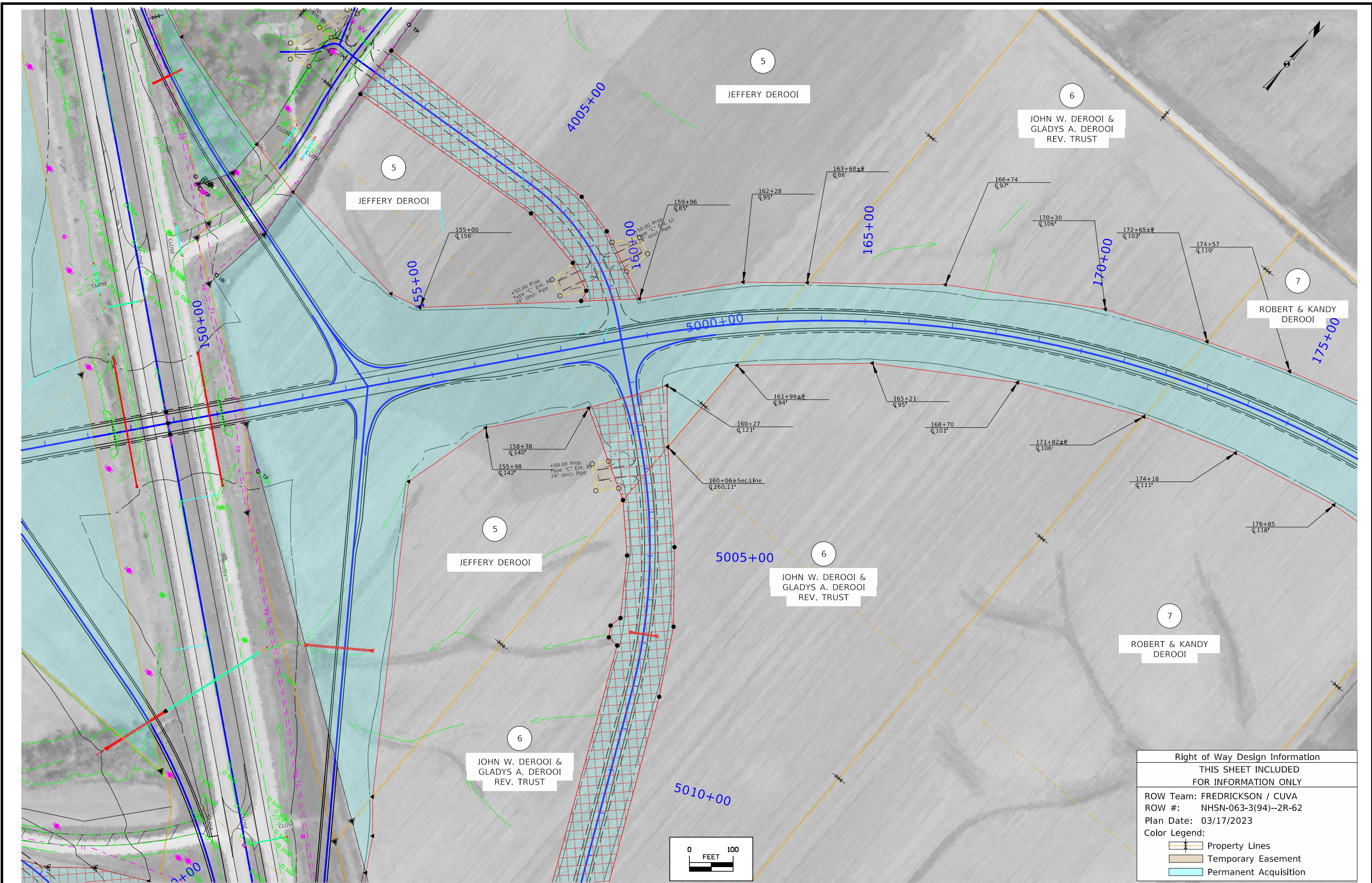


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	Permanent Acquisition

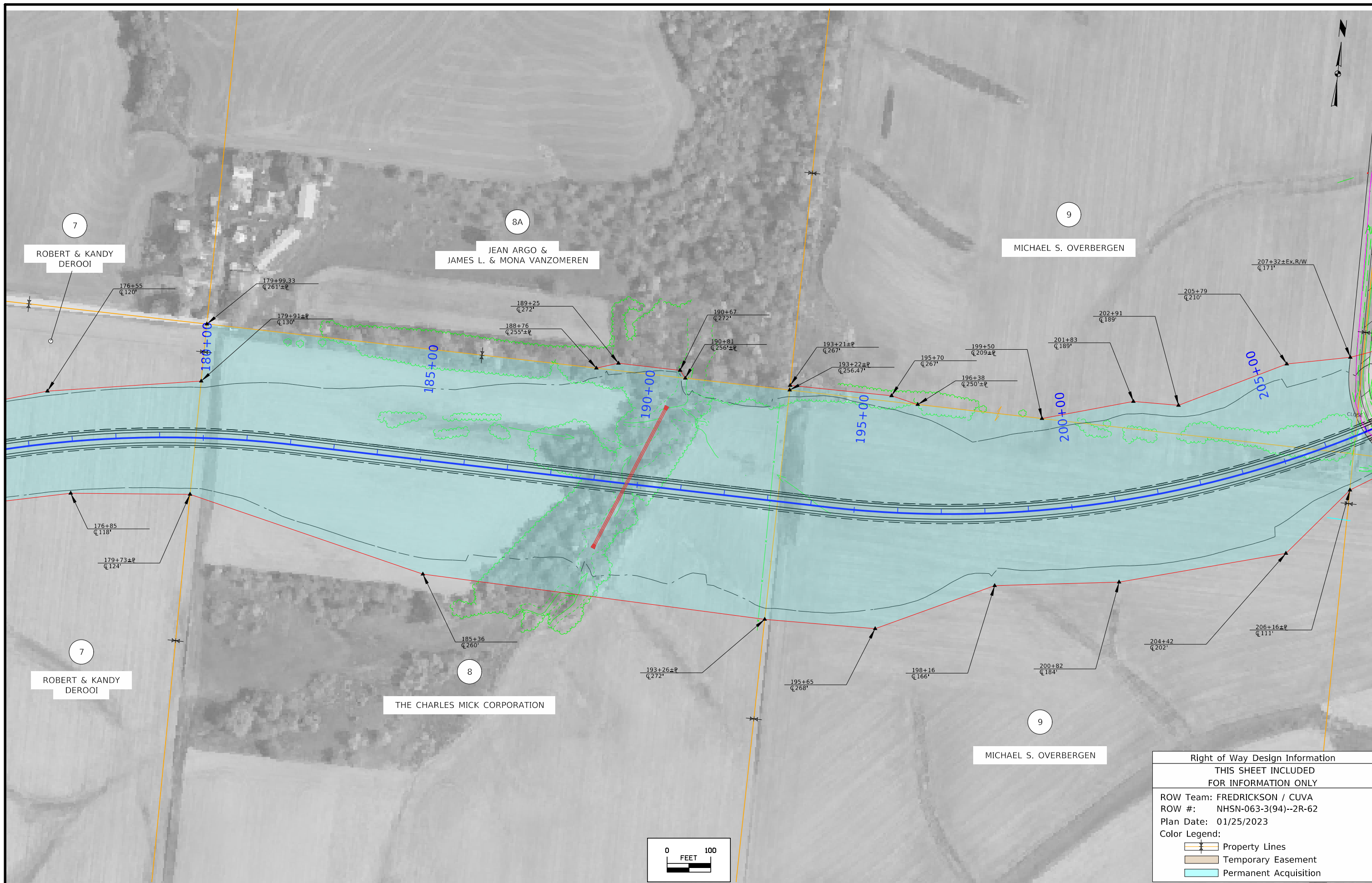





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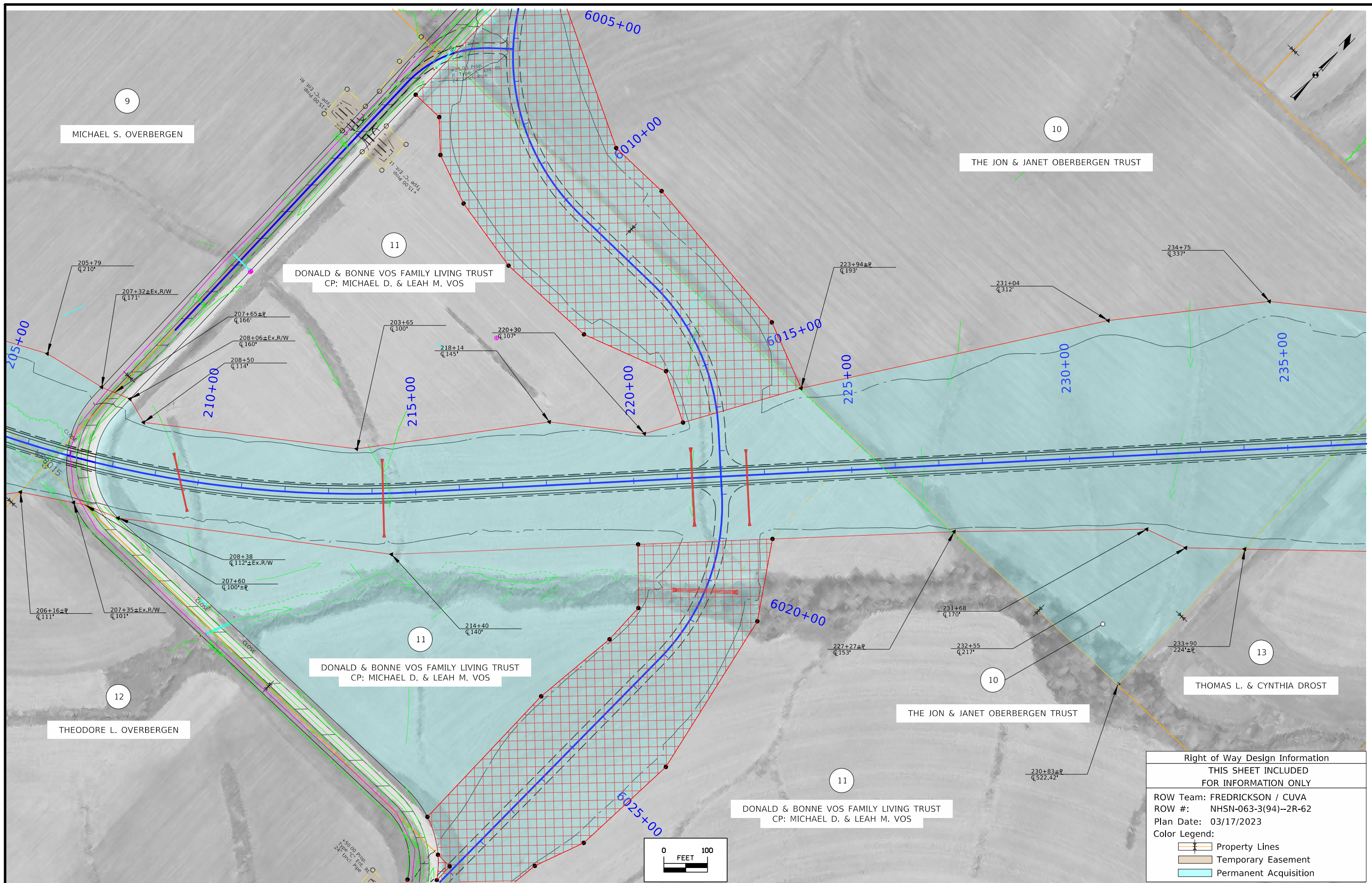




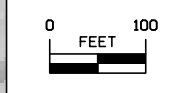
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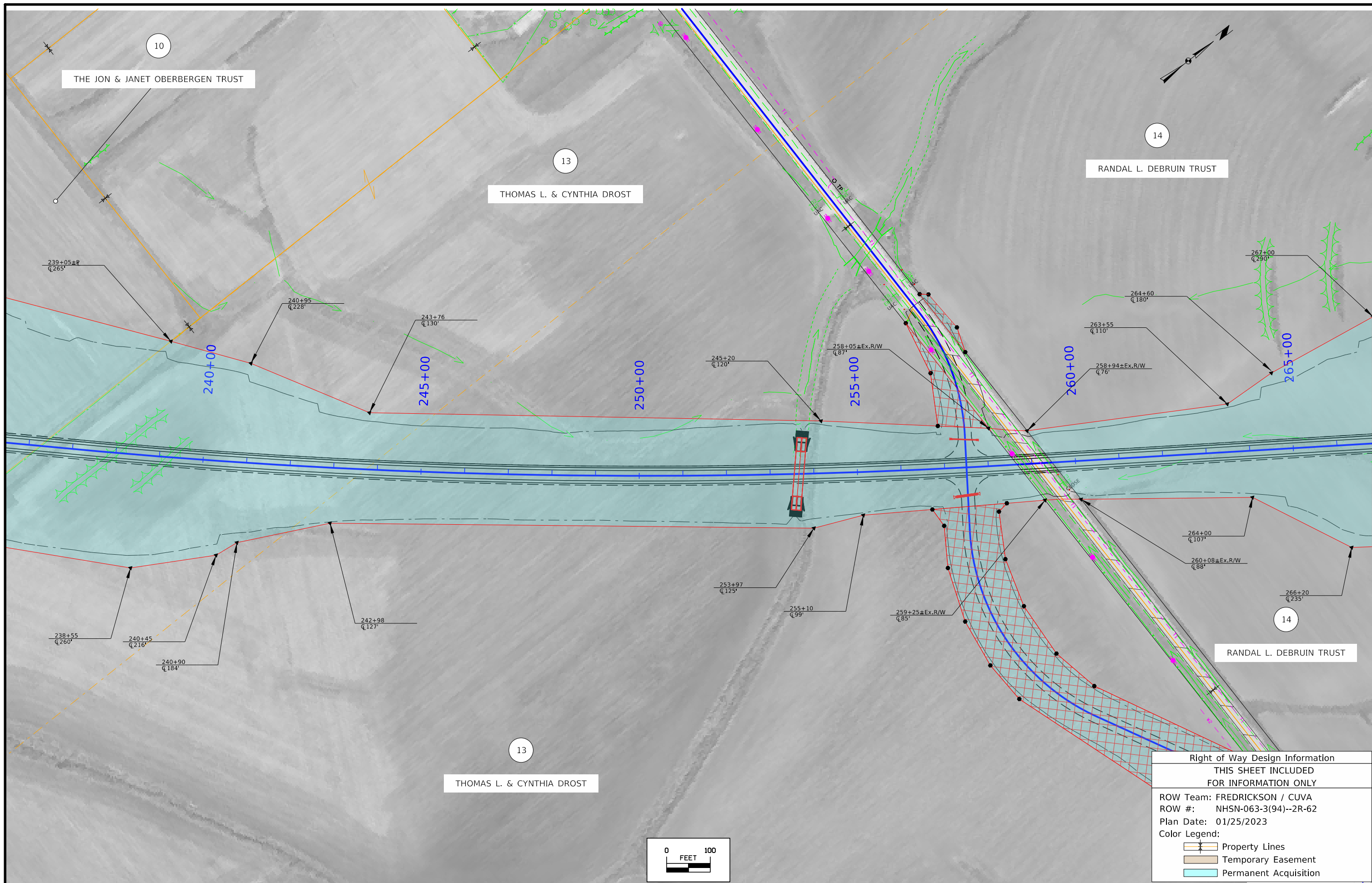


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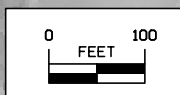


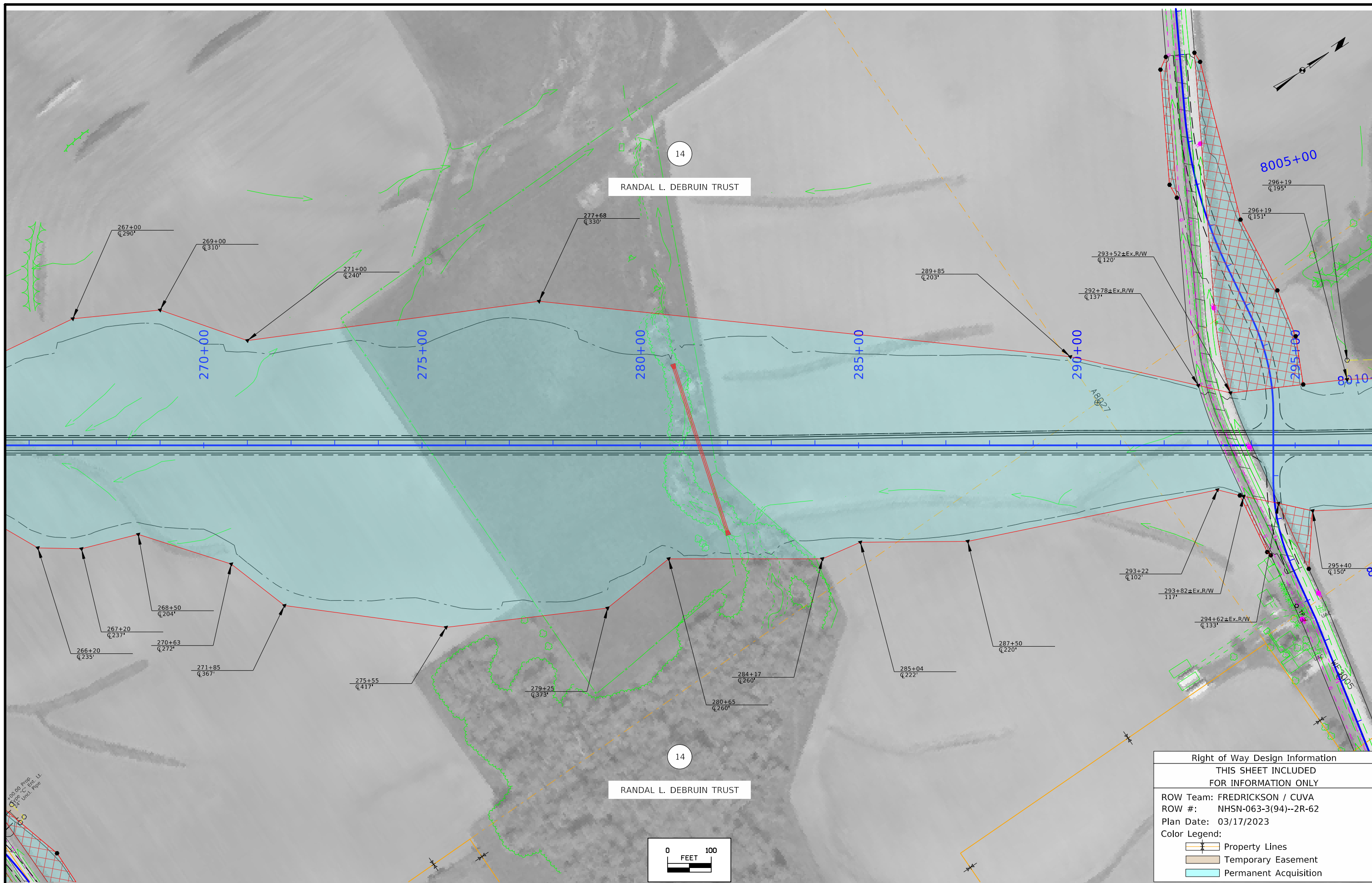
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	Permanent Acquisition





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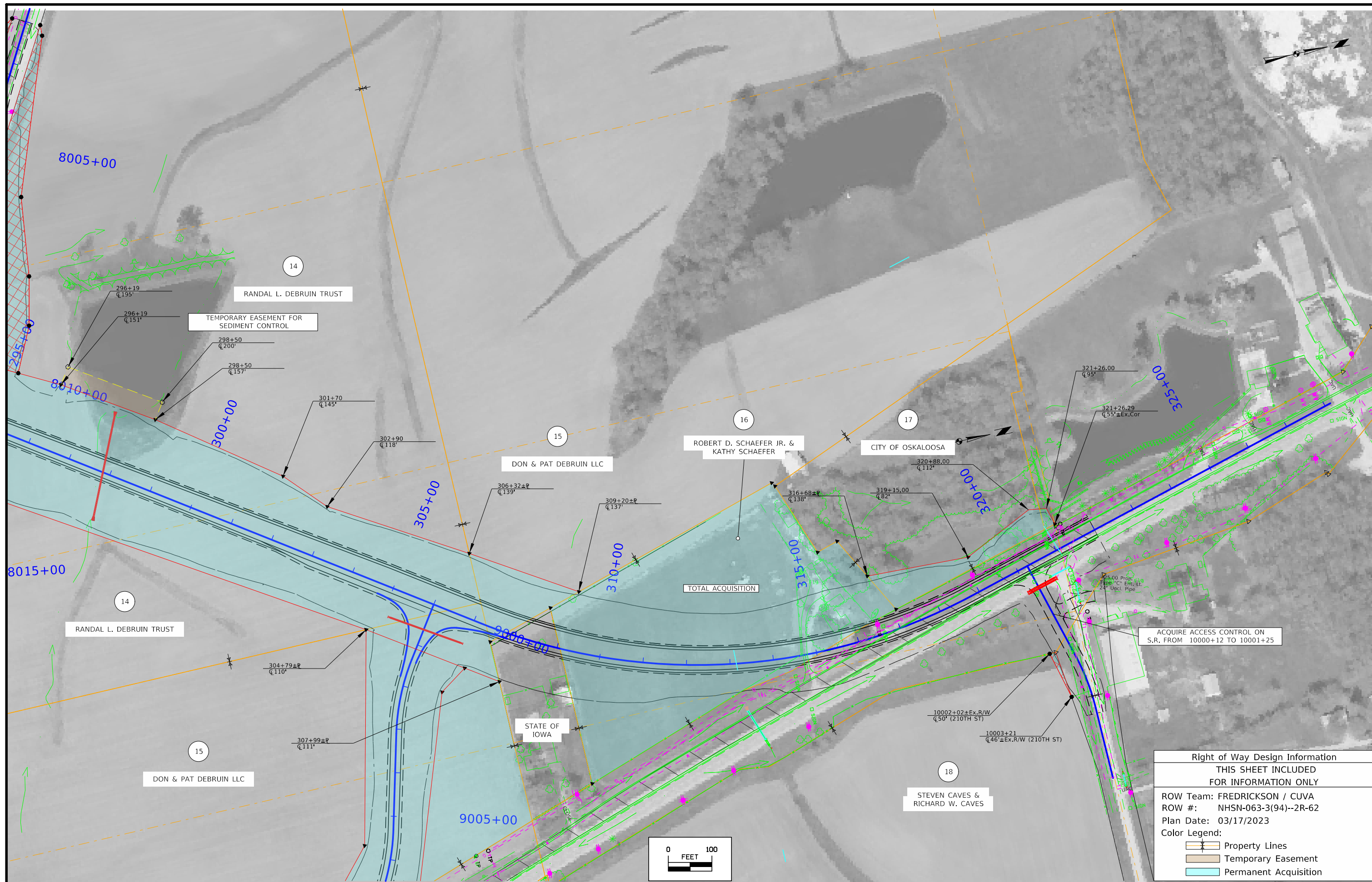




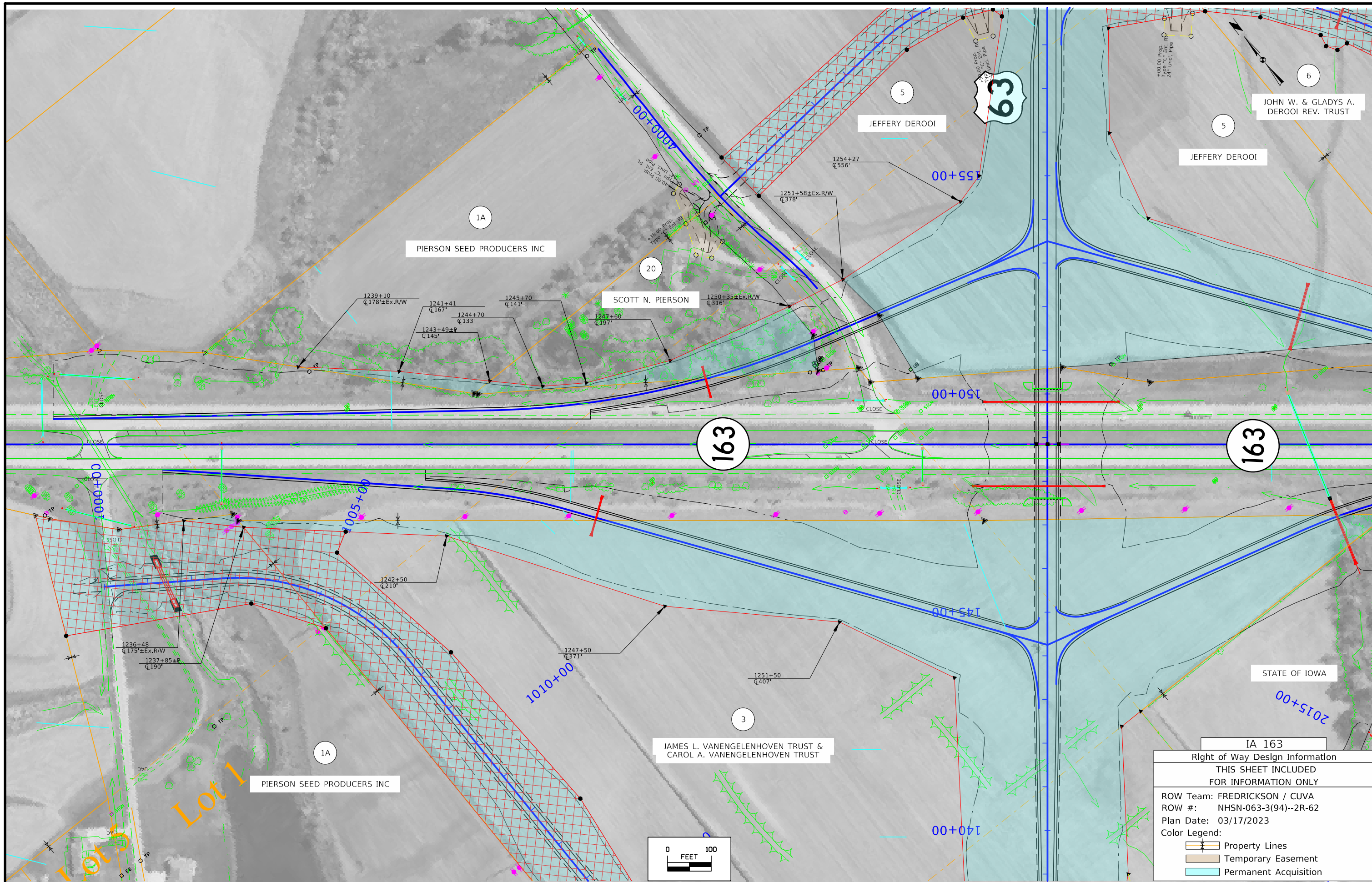
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FILE NO.	ENGLISH	DESIGN TEAM Flattery \ Johnson	MAHASKA COUNTY	PROJECT NUMBER NHSX-063-3(93)--3H-62	SHEET NUMBER H.6
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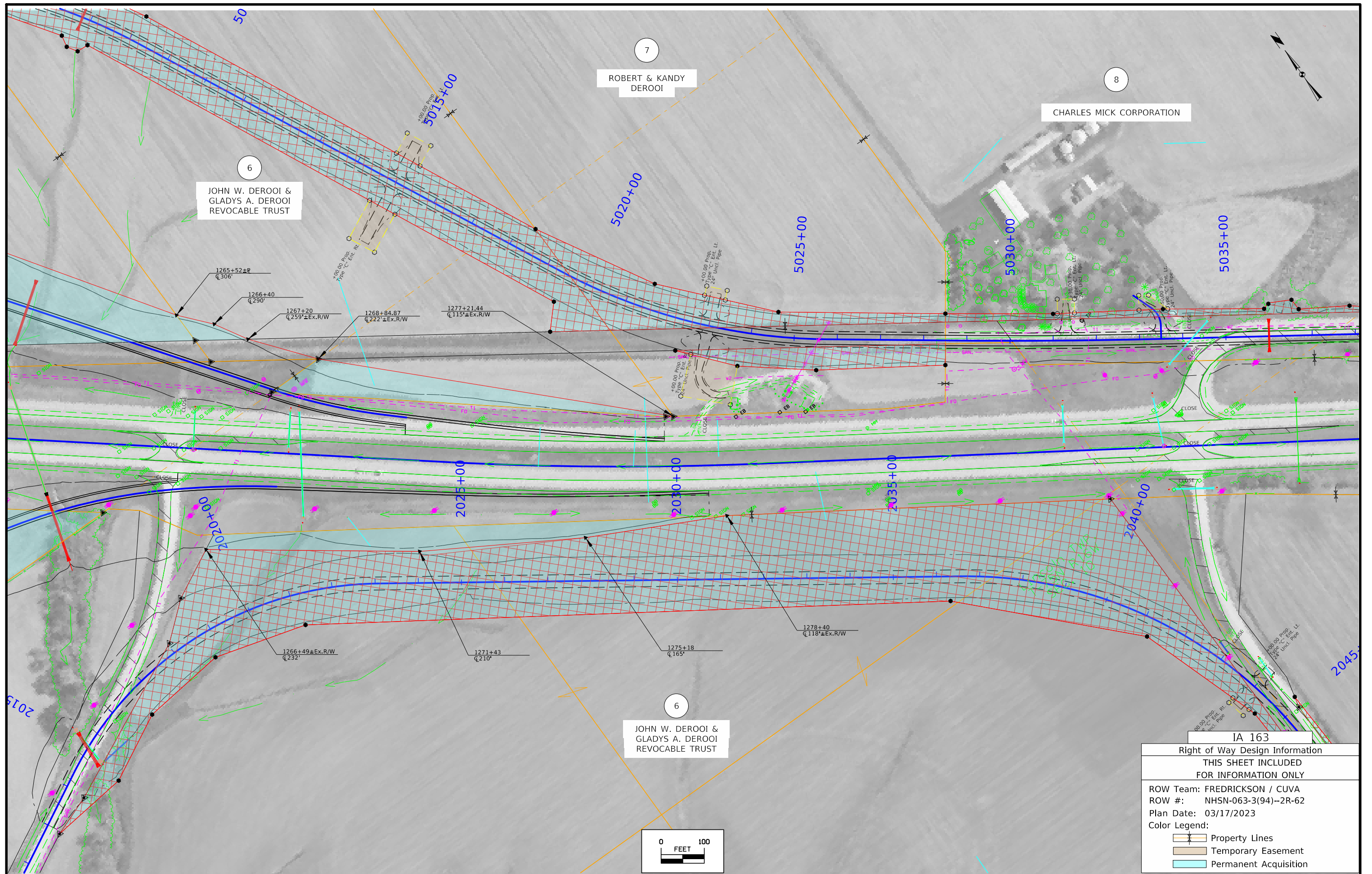
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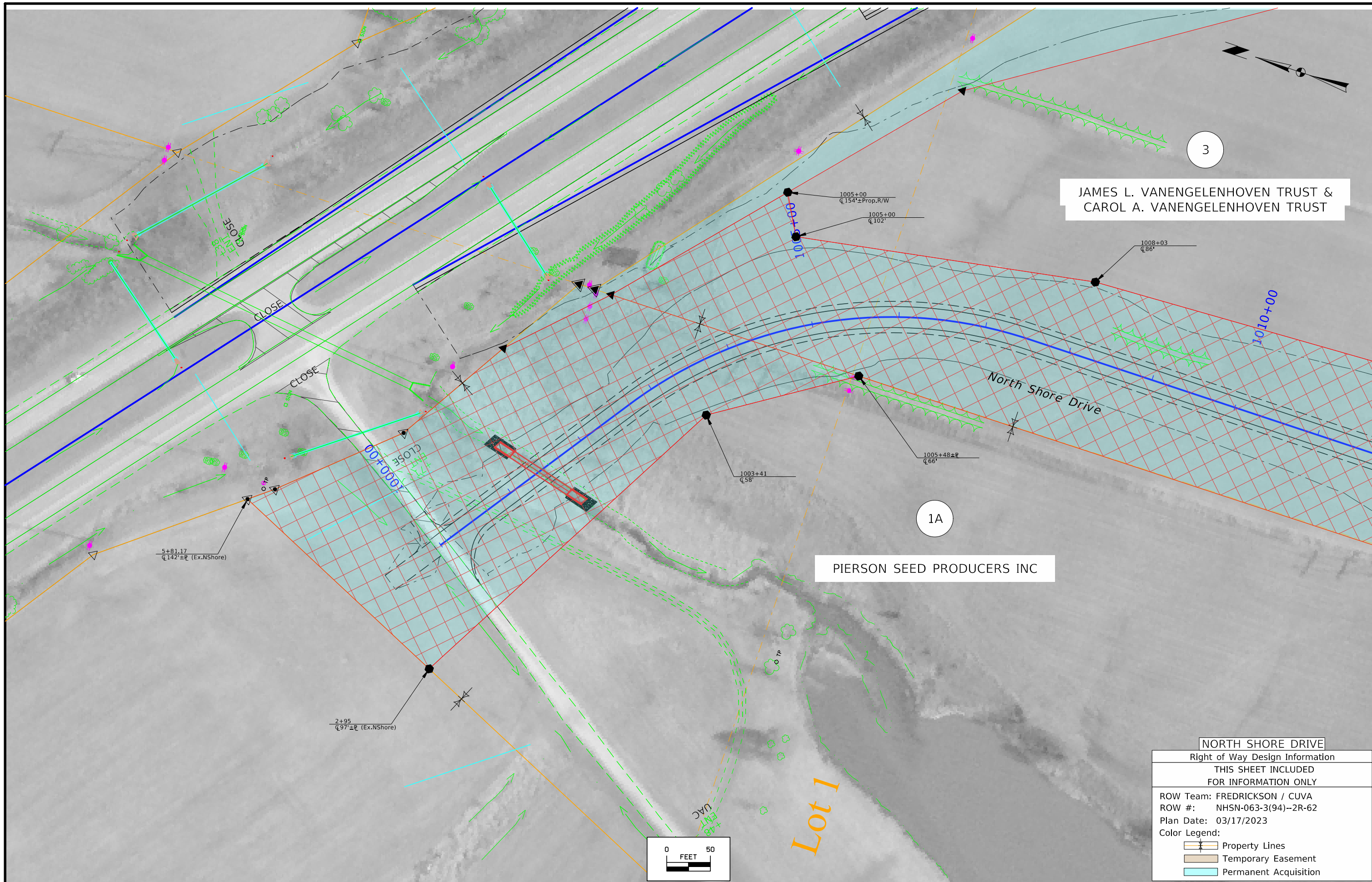


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
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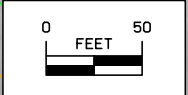


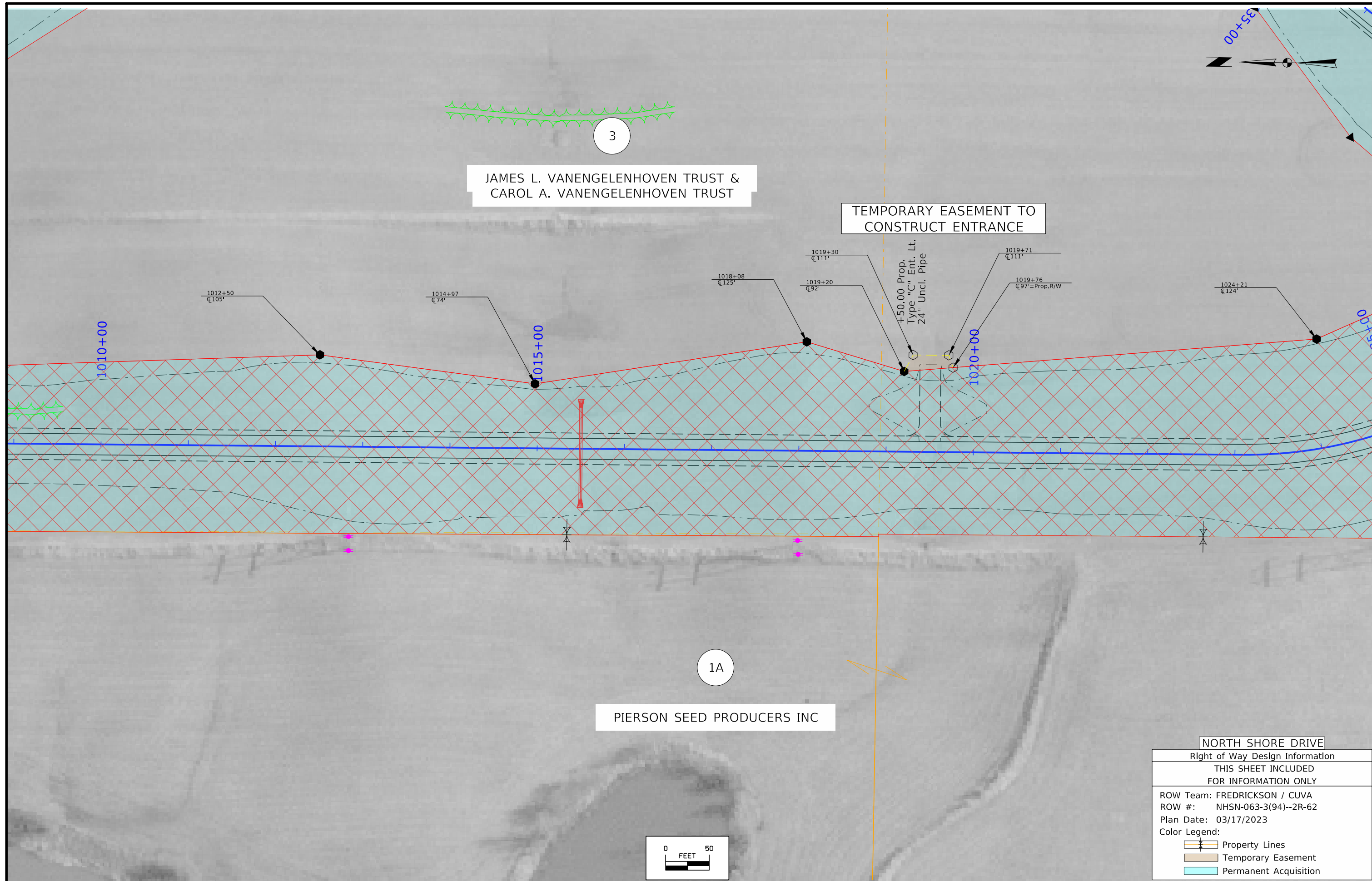


JAMES L. VANENGELENHOVEN TRUST &  
CAROL A. VANENGELENHOVEN TRUST

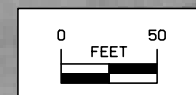
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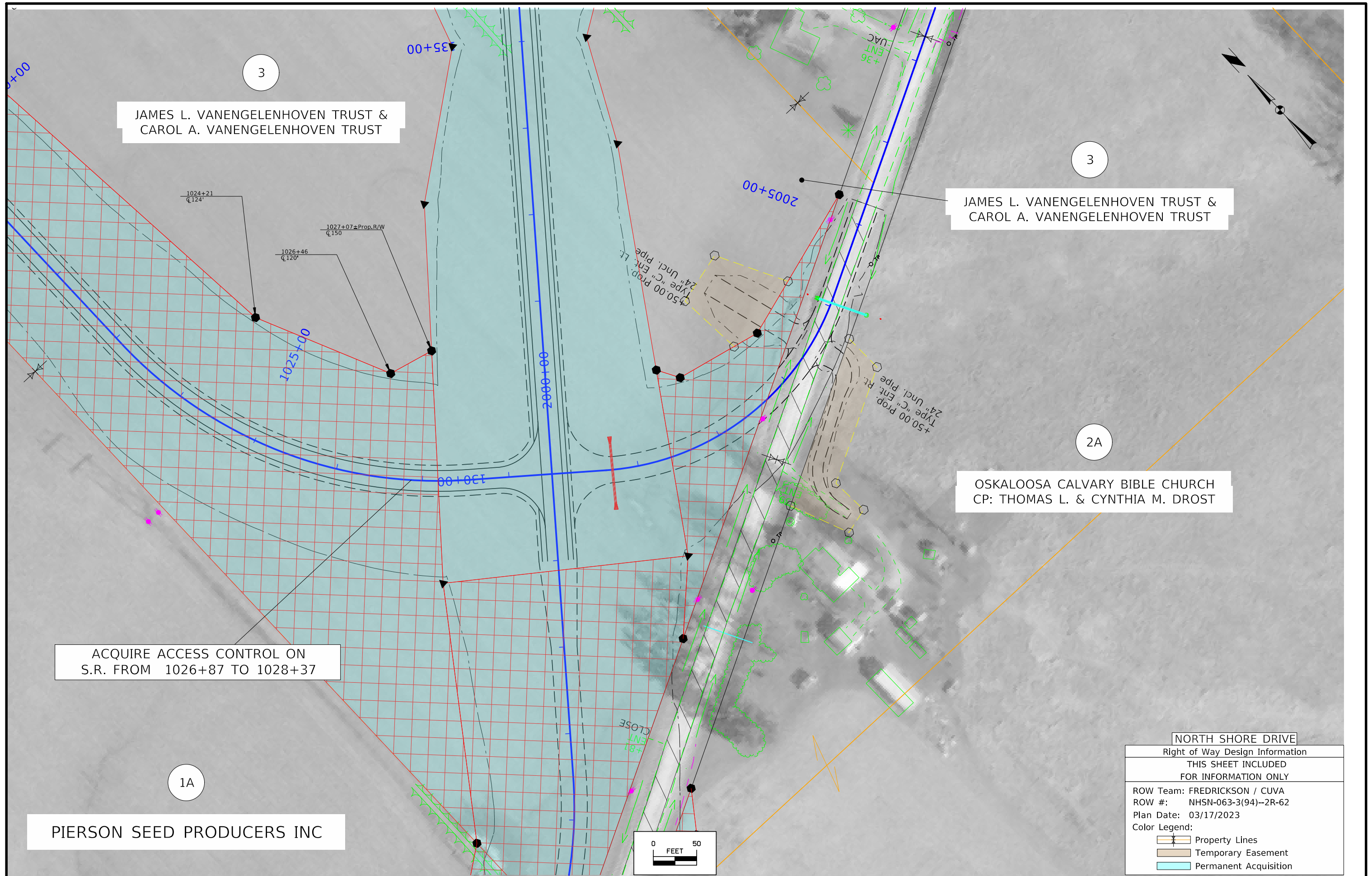
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ROW #: NHSN-063-3(94)--2R-62	
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<b>NORTH SHORE DRIVE</b>	
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
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CAROL A. VANEGELNHOVEN TRUST

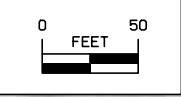
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CAROL A. VANEGELNHOVEN TRUST

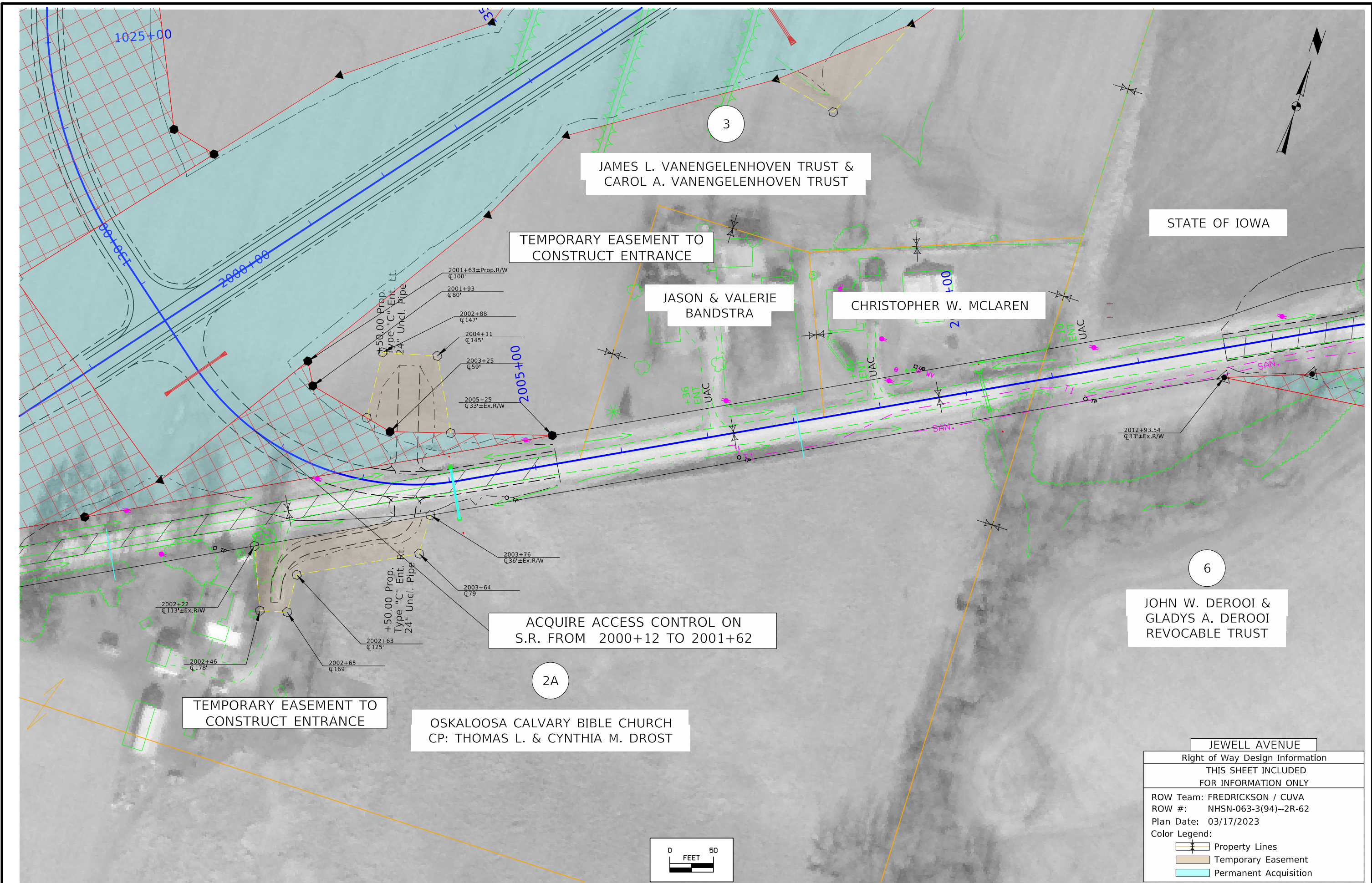
OSKALOOSA CALVARY BIBLE CHURCH  
CP: THOMAS L. & CYNTHIA M. DROST

ACQUIRE ACCESS CONTROL ON  
S.R. FROM 1026+87 TO 1028+37

PIERSON SEED PRODUCERS INC

NORTH SHORE DRIVE	
Right of Way Design Information	
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ROW Team: FREDRICKSON / CUVA	
ROW #: NHSN-063-3(94)--2R-62	
Plan Date: 03/17/2023	
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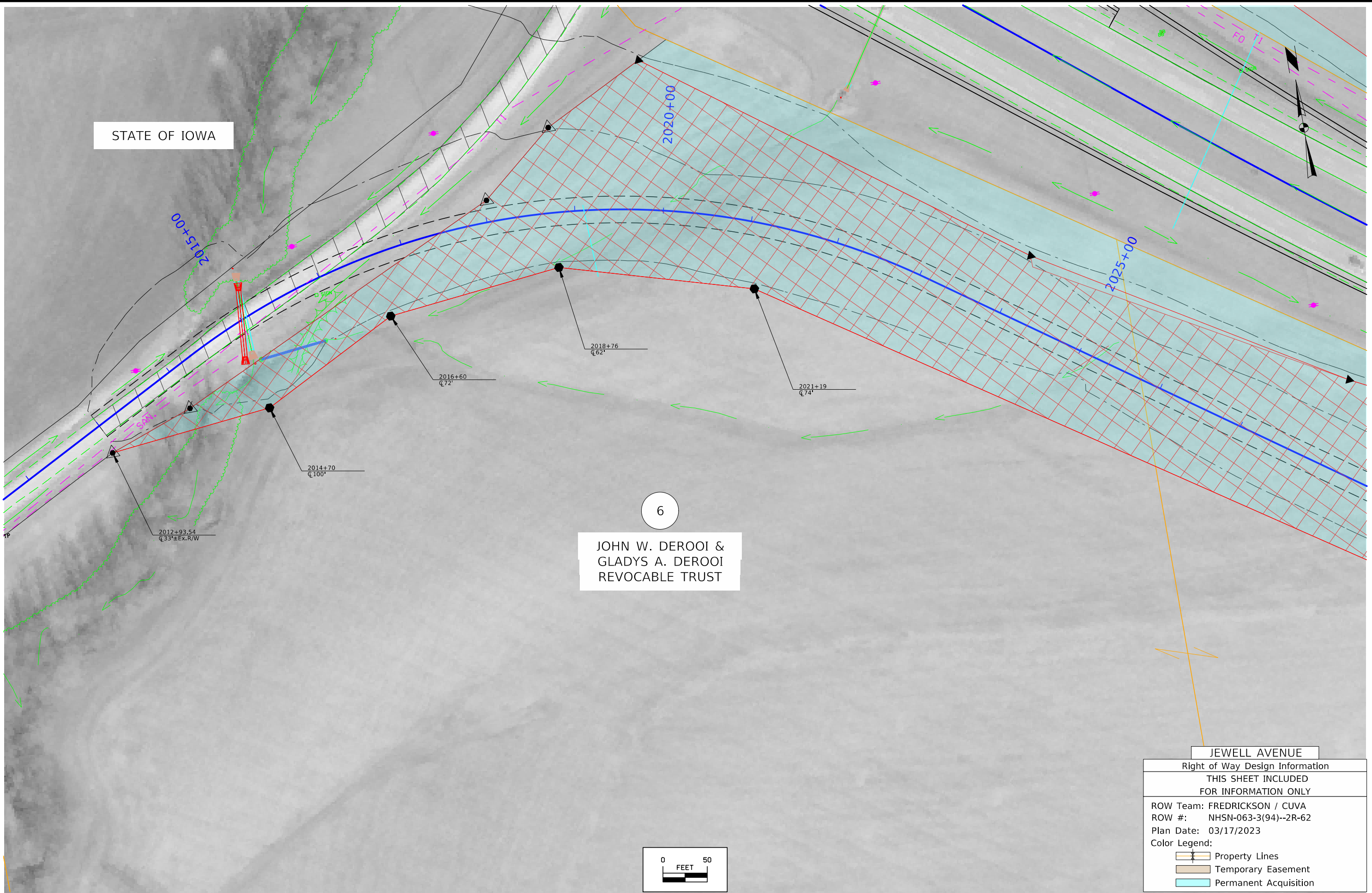


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ROW Team: FREDRICKSON / CUVA	
ROW #: NHSN-063-3(94)--2R-62	
Plan Date: 03/17/2023	
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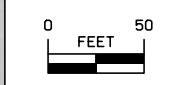
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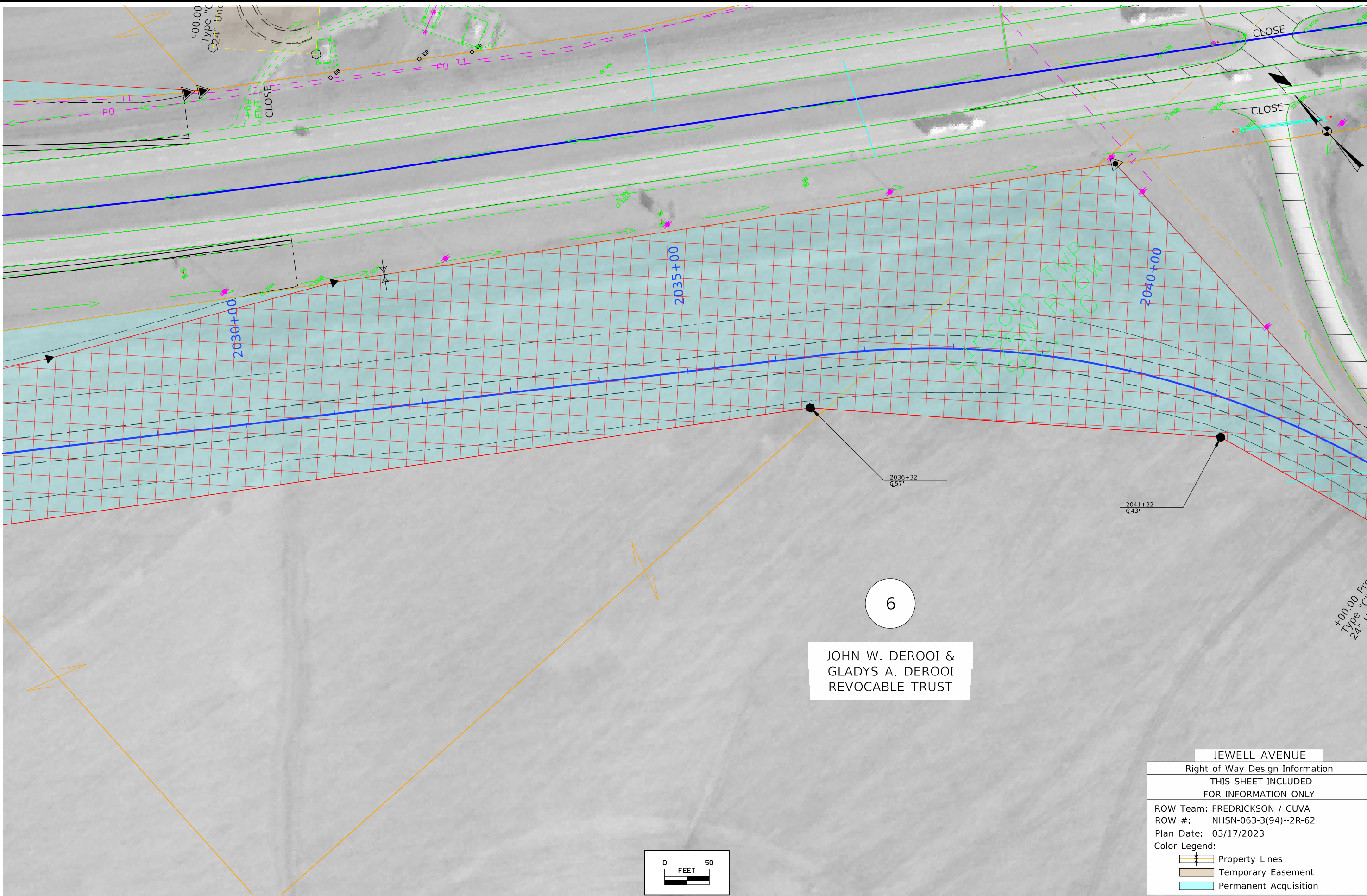


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JOHN W. DEROOI & GLADYS A. DEROOI REVOCABLE TRUST

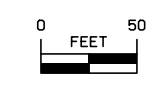
JEWELL AVENUE	
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ROW #: NHSN-063-3(94)--2R-62	
Plan Date: 03/17/2023	
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	Temporary Easement
	Permanent Acquisition





6  
 JOHN W. DEROOI &  
 GLADYS A. DEROOI  
 REVOCABLE TRUST

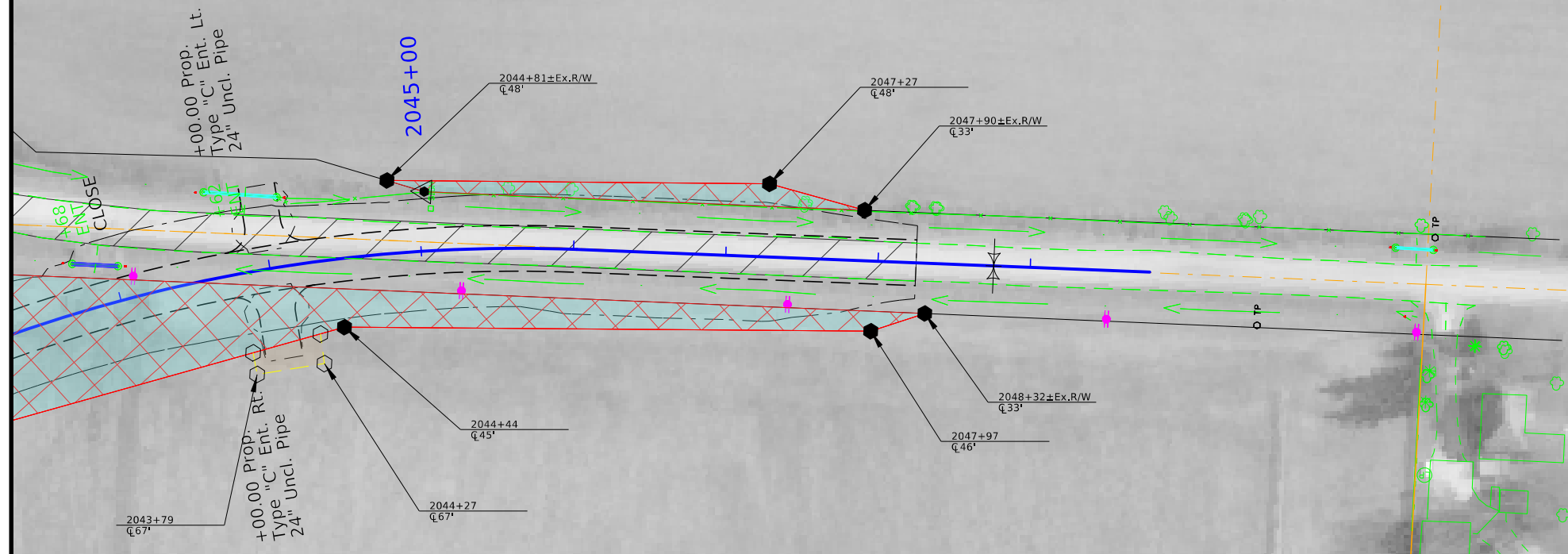
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ROW #: NHSN-063-3(94)--2R-62	
Plan Date: 03/17/2023	
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	Temporary Easement
	Permanent Acquisition





8

CHARLES MICK CORPORATION



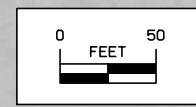
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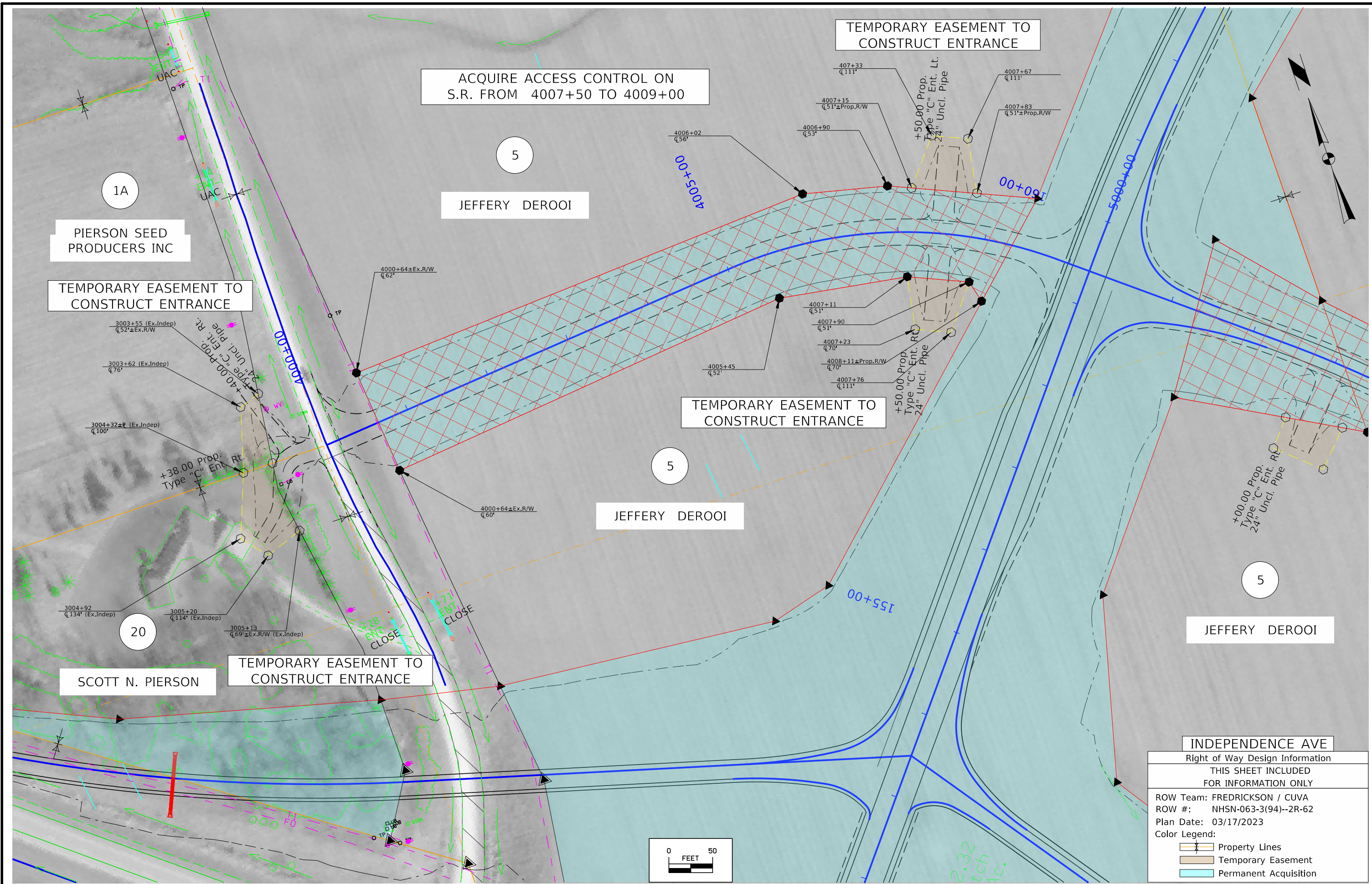
6

JOHN W. DEROOI & GLADYS A. DEROOI REVOCABLE TRUST

JEWELL AVENUE

Right of Way Design Information
THIS SHEET INCLUDED FOR INFORMATION ONLY
ROW Team: FREDRICKSON / CUVA
ROW #: NHSN-063-3(94)--2R-62
Plan Date: 03/17/2023
Color Legend:
Property Lines
Temporary Easement
Permanent Acquisition





ACQUIRE ACCESS CONTROL ON  
S.R. FROM 4007+50 TO 4009+00

TEMPORARY EASEMENT TO  
CONSTRUCT ENTRANCE

PIERSON SEED  
PRODUCERS INC

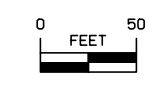
TEMPORARY EASEMENT TO  
CONSTRUCT ENTRANCE

TEMPORARY EASEMENT TO  
CONSTRUCT ENTRANCE

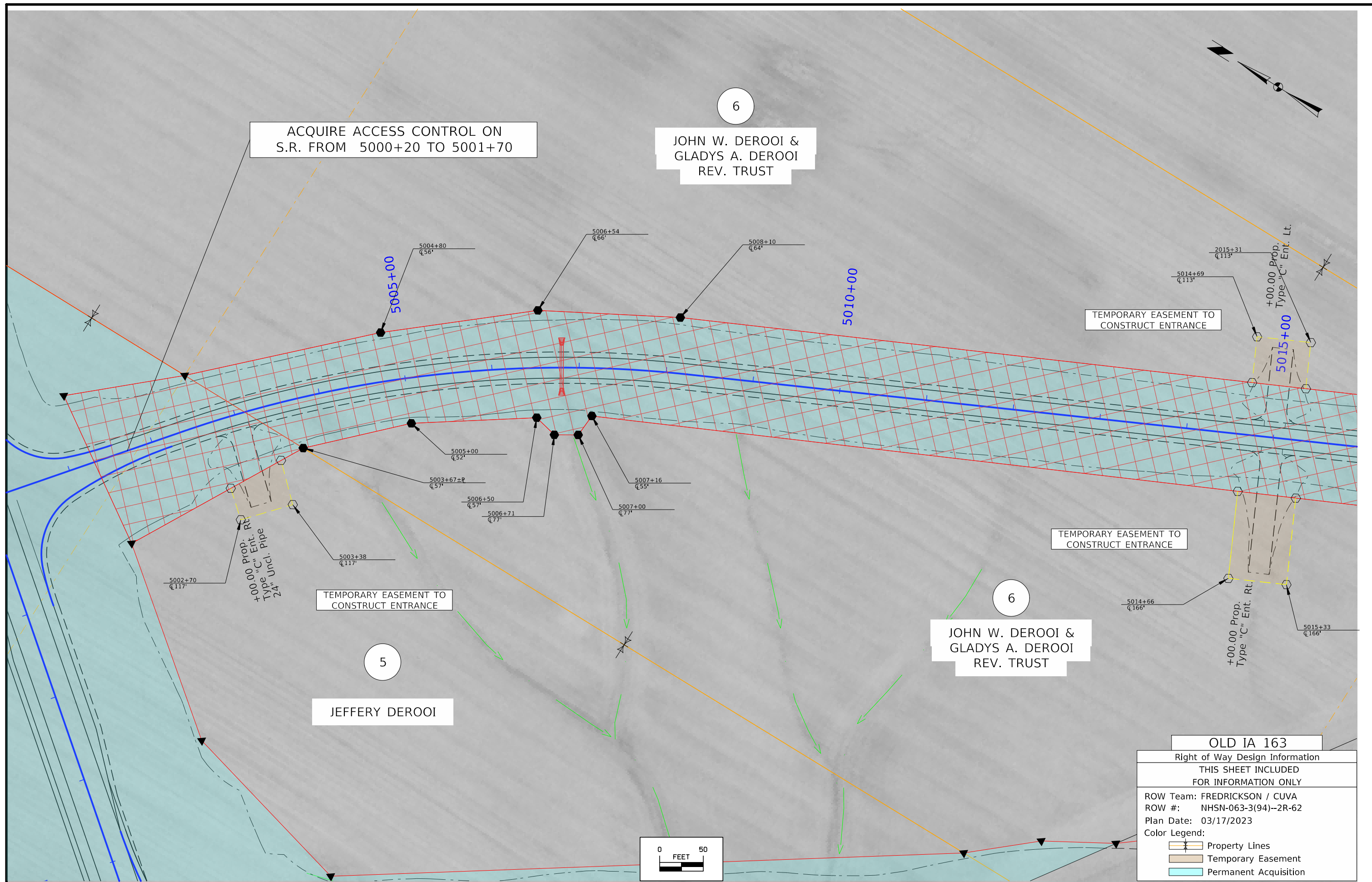
TEMPORARY EASEMENT TO  
CONSTRUCT ENTRANCE

INDEPENDENCE AVE

Right of Way Design Information	
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ROW #: NHSN-063-3(94)--2R-62	
Plan Date: 03/17/2023	
Color Legend:	
	Property Lines
	Temporary Easement
	Permanent Acquisition







ACQUIRE ACCESS CONTROL ON  
S.R. FROM 5000+20 TO 5001+70

6  
JOHN W. DEROOI &  
GLADYS A. DEROOI  
REV. TRUST

5  
JEFFERY DEROOI

6  
JOHN W. DEROOI &  
GLADYS A. DEROOI  
REV. TRUST

TEMPORARY EASEMENT TO  
CONSTRUCT ENTRANCE

TEMPORARY EASEMENT TO  
CONSTRUCT ENTRANCE

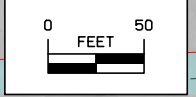
OLD IA 163

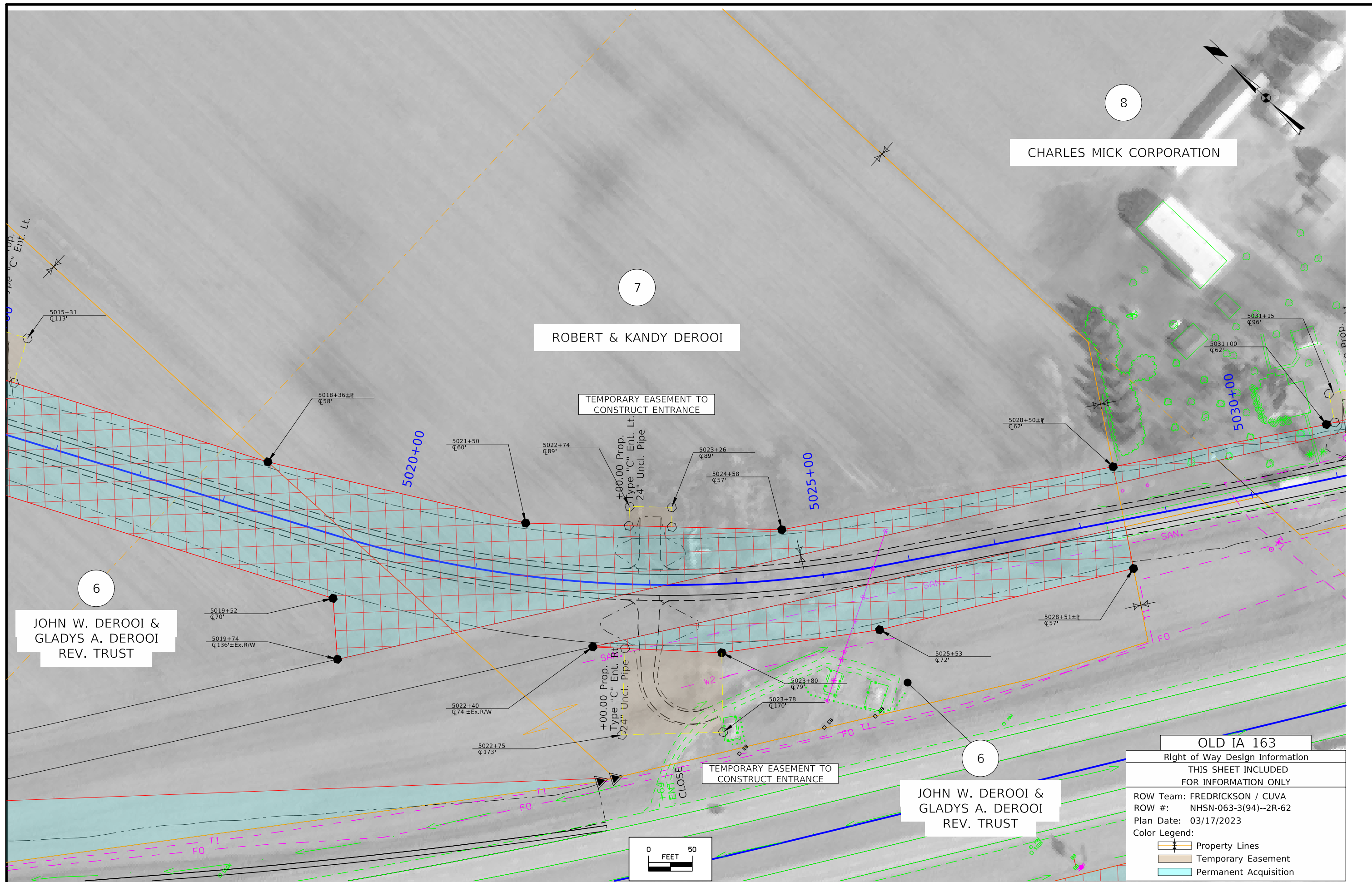
Right of Way Design Information  
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FOR INFORMATION ONLY

ROW Team: FREDRICKSON / CUVA  
ROW #: NHSN-063-3(94)--2R-62  
Plan Date: 03/17/2023

Color Legend:  

- Property Lines
- Temporary Easement
- Permanent Acquisition





CHARLES MICK CORPORATION

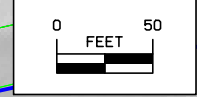
ROBERT & KANDY DEROOI

JOHN W. DEROOI & GLADYS A. DEROOI REV. TRUST

JOHN W. DEROOI & GLADYS A. DEROOI REV. TRUST

OLD IA 163  
 Right of Way Design Information  
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 ROW #: NHSN-063-3(94)--2R-62  
 Plan Date: 03/17/2023  
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 - Permanent Acquisition

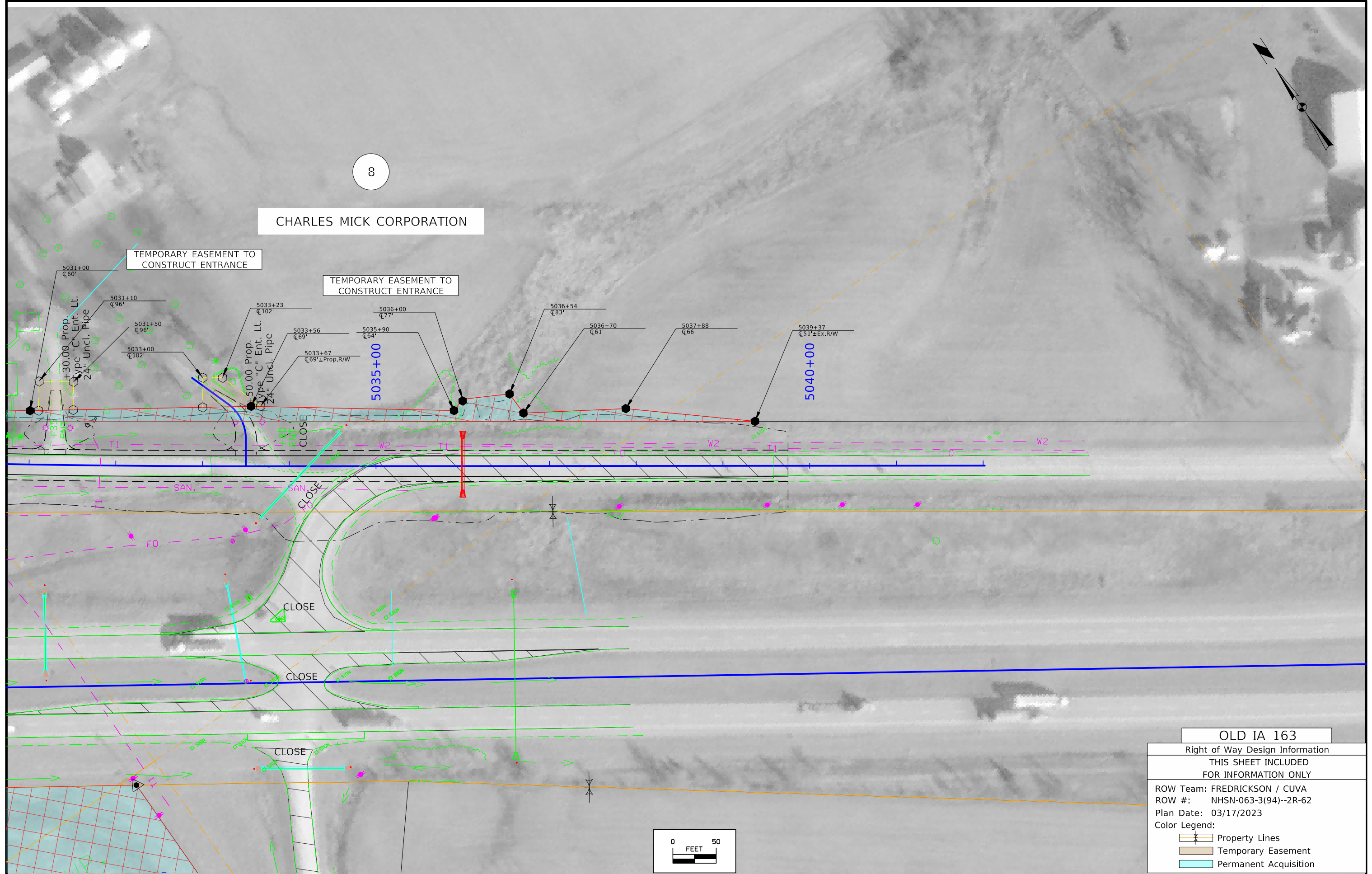


8

CHARLES MICK CORPORATION

TEMPORARY EASEMENT TO CONSTRUCT ENTRANCE

TEMPORARY EASEMENT TO CONSTRUCT ENTRANCE



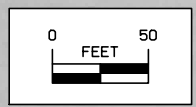
OLD IA 163

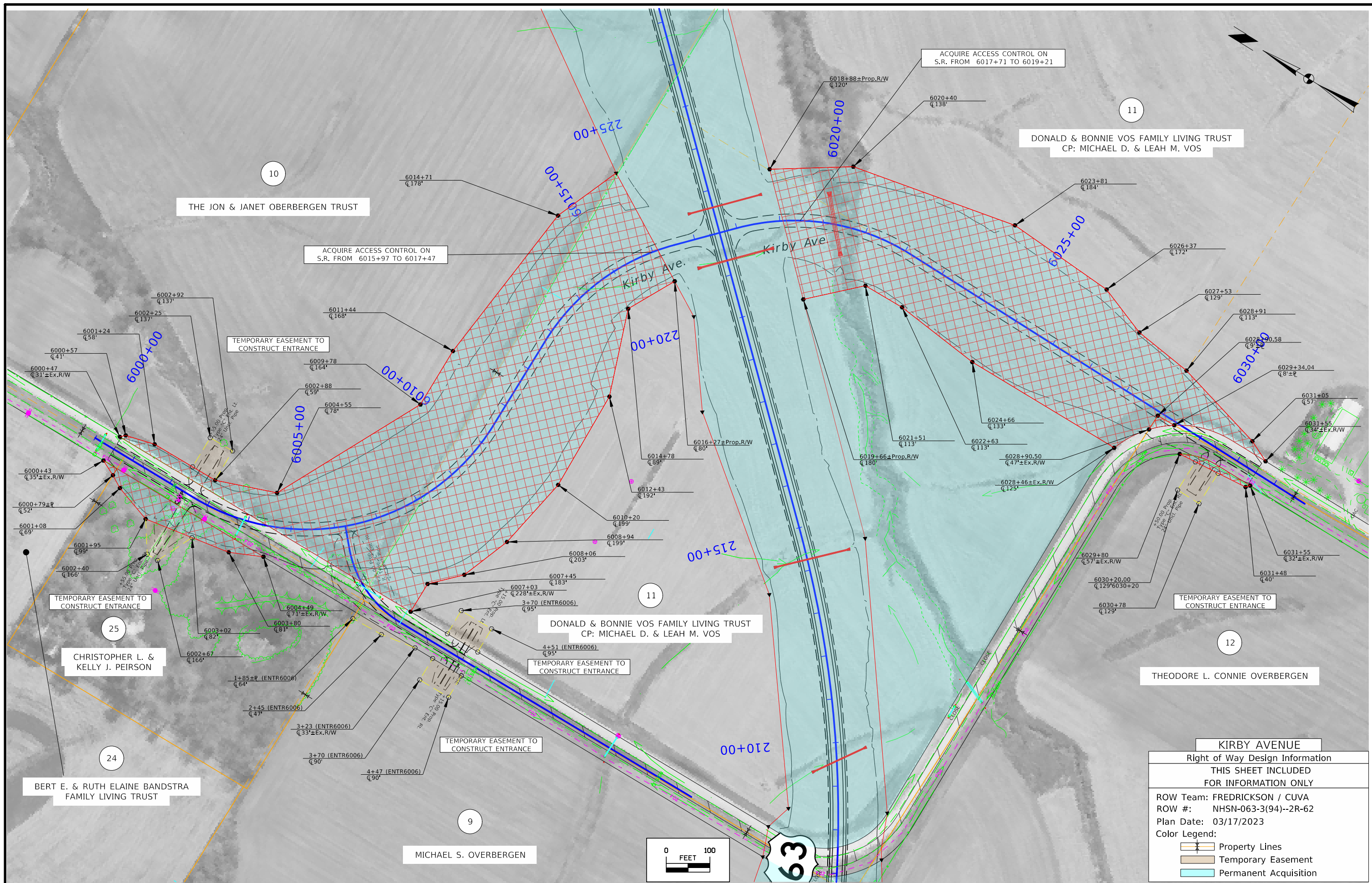
Right of Way Design Information  
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ROW Team: FREDRICKSON / CUVA  
ROW #: NHSN-063-3(94)--2R-62  
Plan Date: 03/17/2023

Color Legend:

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- Permanent Acquisition

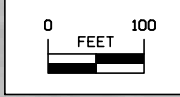


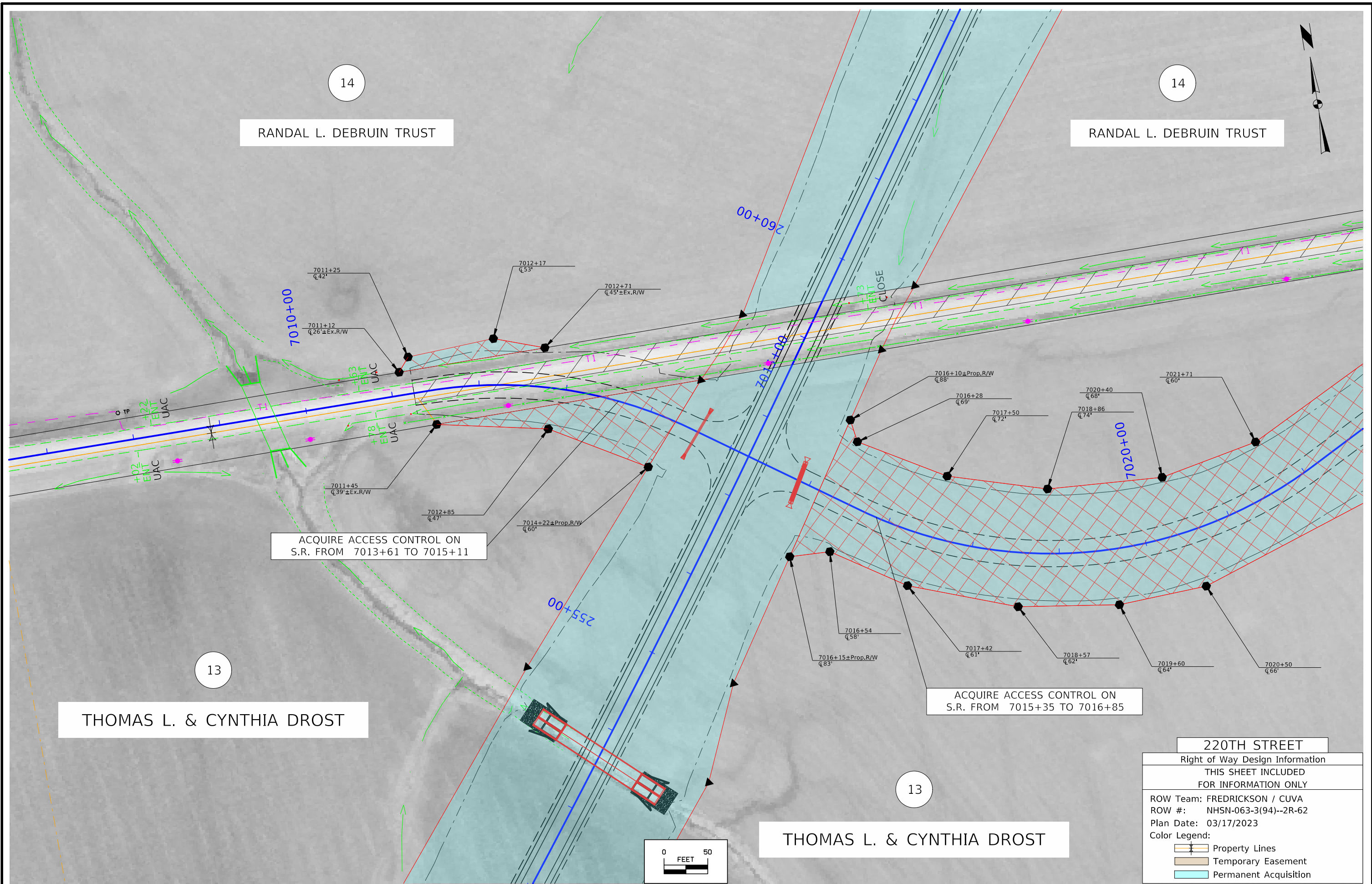


FILE NO.	ENGLISH	DESIGN TEAM	MAHASKA COUNTY	PROJECT NUMBER	SHEET NUMBER
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1:13:09 PM 3/17/2023 afredri pw:\NTP\wint1.dot.int.lan:PWMain\Documents\Projects\6206302013\ROW\ROW\_62063094.dgn

**KIRBY AVENUE**  
 Right of Way Design Information  
 THIS SHEET INCLUDED  
 FOR INFORMATION ONLY  
 ROW Team: FREDRICKSON / CUVA  
 ROW #: NHSN-063-3(94)--2R-62  
 Plan Date: 03/17/2023  
 Color Legend:  
 - Property Lines  
 - Temporary Easement  
 - Permanent Acquisition





14  
RANDAL L. DEBRUIN TRUST

14  
RANDAL L. DEBRUIN TRUST

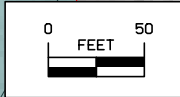
13  
THOMAS L. & CYNTHIA DROST

13  
THOMAS L. & CYNTHIA DROST

ACQUIRE ACCESS CONTROL ON  
S.R. FROM 7013+61 TO 7015+11

ACQUIRE ACCESS CONTROL ON  
S.R. FROM 7015+35 TO 7016+85

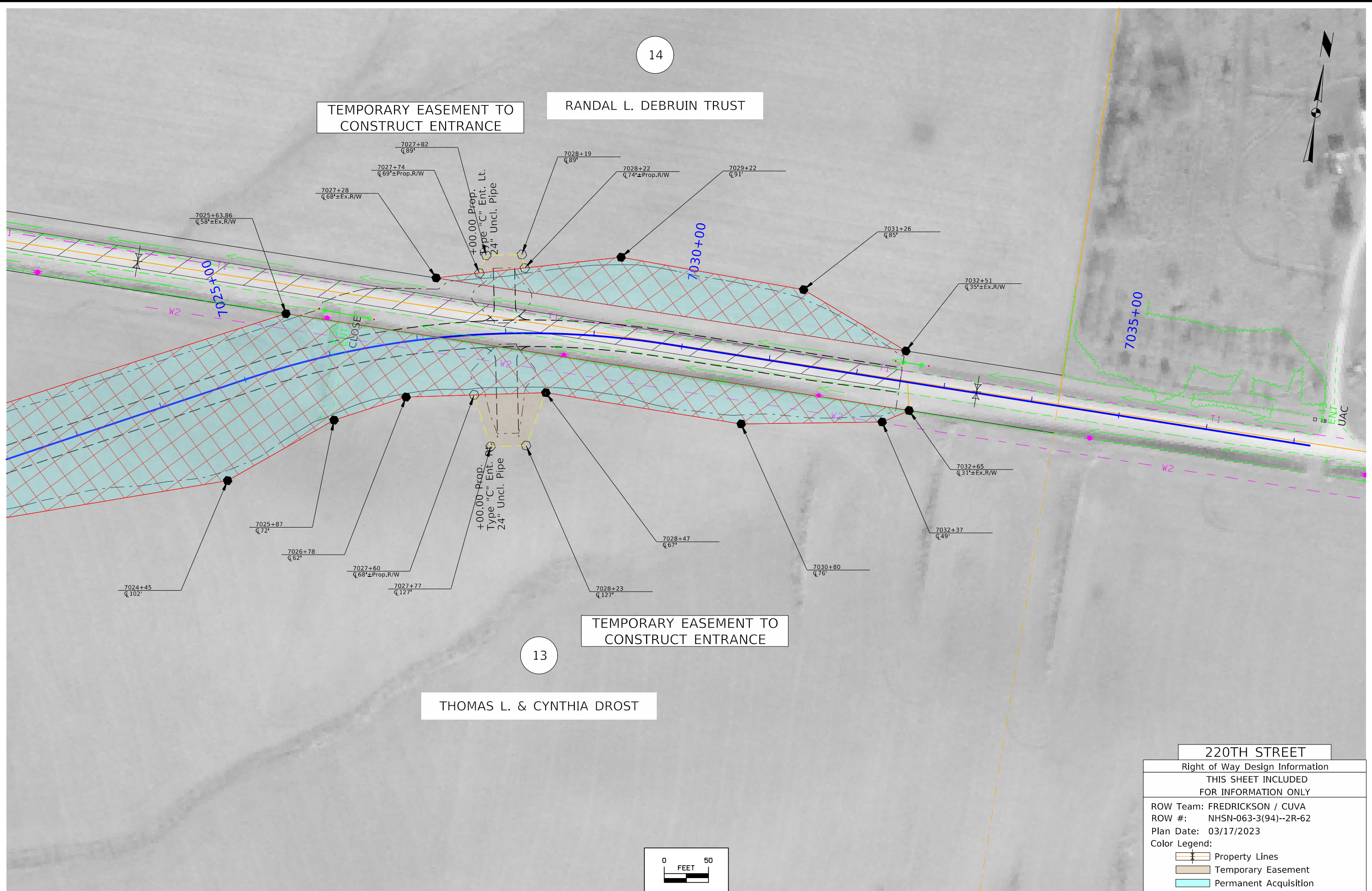
220TH STREET	
Right of Way Design Information	
THIS SHEET INCLUDED FOR INFORMATION ONLY	
ROW Team: FREDRICKSON / CUVA	
ROW #: NHSN-063-3(94)--2R-62	
Plan Date: 03/17/2023	
Color Legend:	
	Property Lines
	Temporary Easement
	Permanent Acquisition



14

TEMPORARY EASEMENT TO CONSTRUCT ENTRANCE

RANDAL L. DEBRUIN TRUST



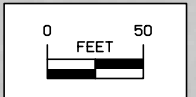
13

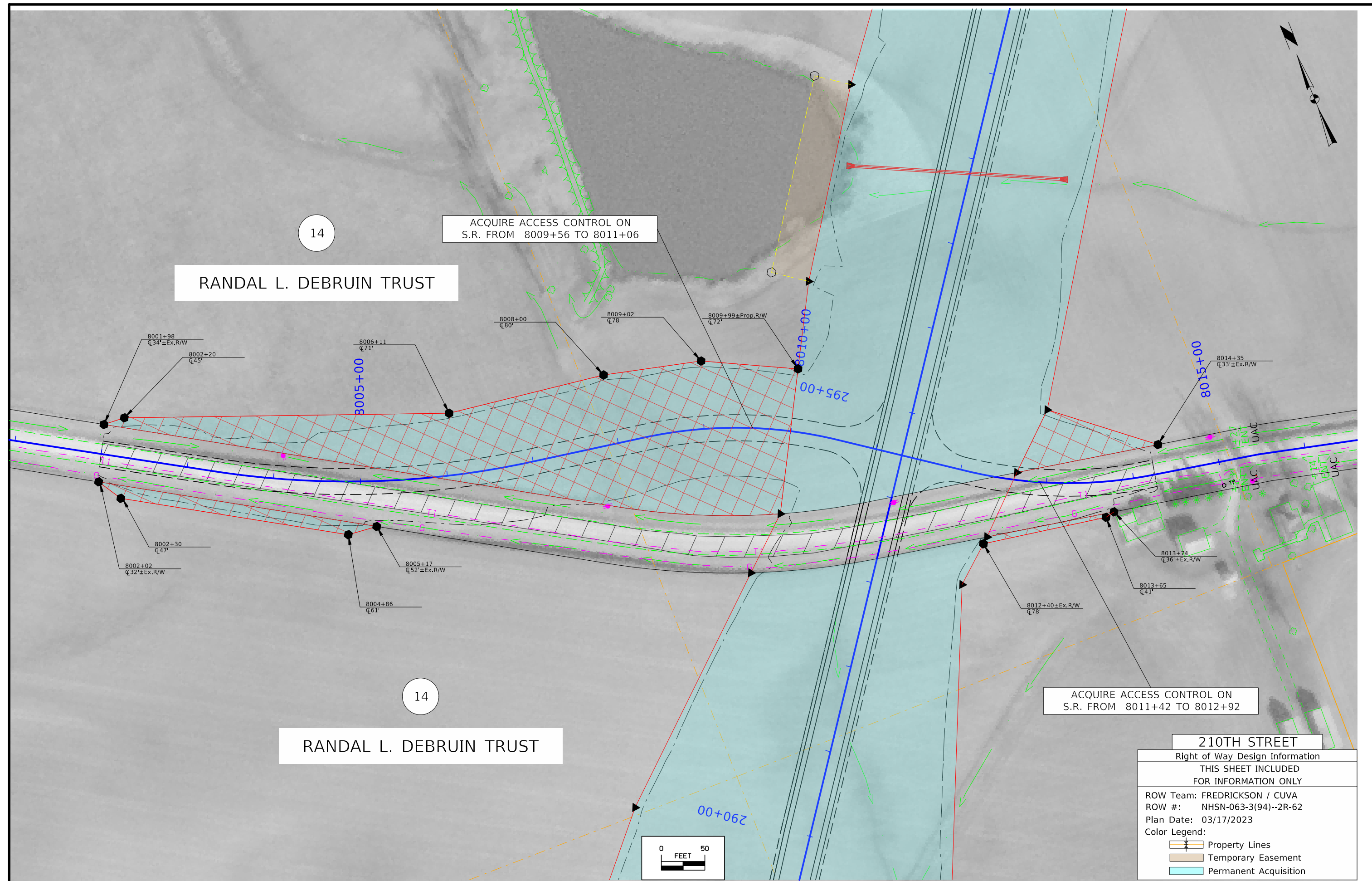
TEMPORARY EASEMENT TO CONSTRUCT ENTRANCE

THOMAS L. & CYNTHIA DROST

220TH STREET

Right of Way Design Information
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FOR INFORMATION ONLY
ROW Team: FREDRICKSON / CUVA
ROW #: NHSN-063-3(94)--2R-62
Plan Date: 03/17/2023
Color Legend:
Property Lines
Temporary Easement
Permanent Acquisition





14

RANDAL L. DEBRUIN TRUST

ACQUIRE ACCESS CONTROL ON  
S.R. FROM 8009+56 TO 8011+06

14

RANDAL L. DEBRUIN TRUST

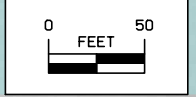
ACQUIRE ACCESS CONTROL ON  
S.R. FROM 8011+42 TO 8012+92

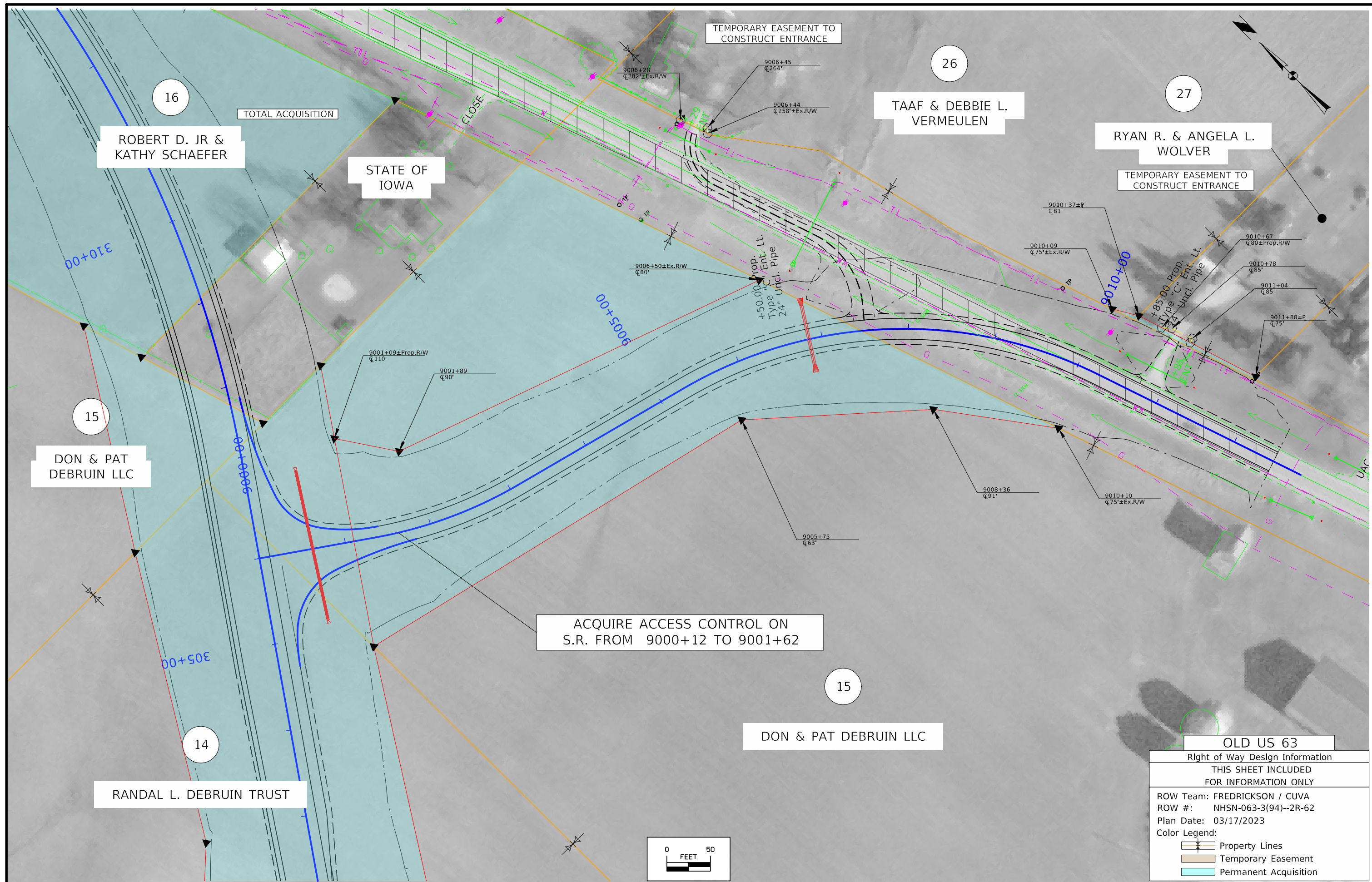
210TH STREET

Right of Way Design Information  
THIS SHEET INCLUDED  
FOR INFORMATION ONLY

ROW Team: FREDRICKSON / CUVA  
ROW #: NHSN-063-3(94)--2R-62  
Plan Date: 03/17/2023

Color Legend:  
 Property Lines  
 Temporary Easement  
 Permanent Acquisition





TEMPORARY EASEMENT TO CONSTRUCT ENTRANCE

ROBERT D. JR & KATHY SCHAEFER

STATE OF IOWA

TAAF & DEBBIE L. VERMEULEN

RYAN R. & ANGELA L. WOLVER

TEMPORARY EASEMENT TO CONSTRUCT ENTRANCE

DON & PAT DEBRUIN LLC

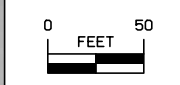
ACQUIRE ACCESS CONTROL ON S.R. FROM 9000+12 TO 9001+62

DON & PAT DEBRUIN LLC

RANDAL L. DEBRUIN TRUST

OLD US 63

Right of Way Design Information	
THIS SHEET INCLUDED FOR INFORMATION ONLY	
ROW Team: FREDRICKSON / CUVA	
ROW #: NHSN-063-3(94)--2R-62	
Plan Date: 03/17/2023	
Color Legend:	
	Property Lines
	Temporary Easement
	Permanent Acquisition





108-23A  
08-01-08

### TRAFFIC CONTROL PLAN

Traffic on US 63 and IA 163 will be maintained at all times.

108-26A  
08-01-08

### STAGING NOTES

108-25  
10-21-14

### 511 TRAVEL RESTRICTIONS

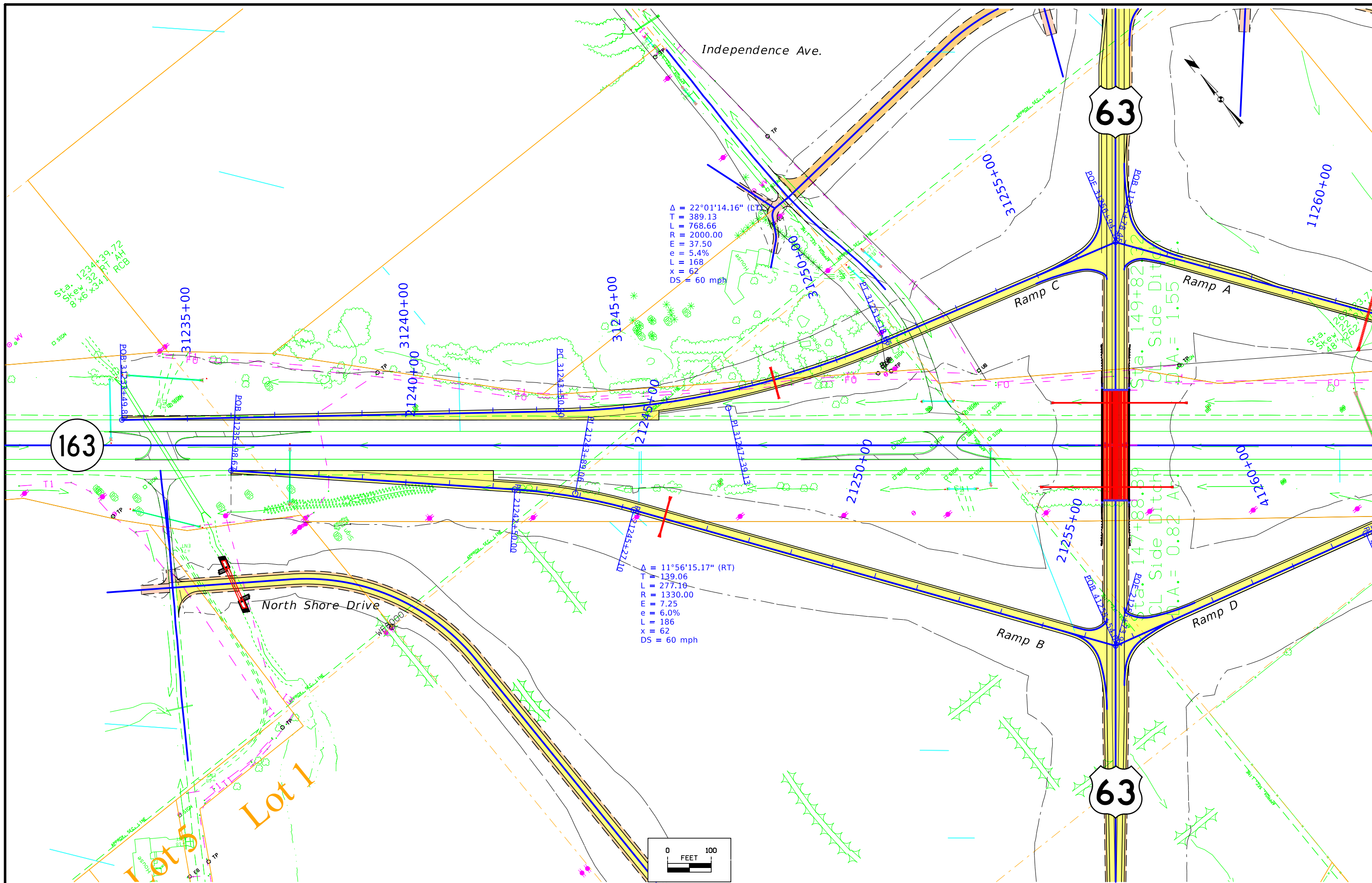
Route	Direction	County	Location Description	Feature Crossed	Object Type	Maint. Bridge No., Structure ID, or FHWA No.	Type of Restriction	Existing Measurement	Construction Measurement	Construction Measurement as Signed	Projected As Built Measurement	Remarks
			No restrictions expected.									

111-01  
04-17-12

### COORDINATED OPERATIONS

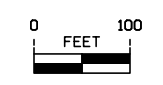
Other work in progress during the same period of time will include the construction of the projects listed. Coordinate operations with those of other contractors working within the same area.

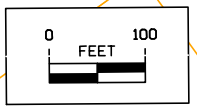
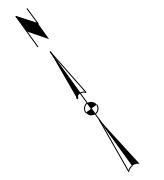
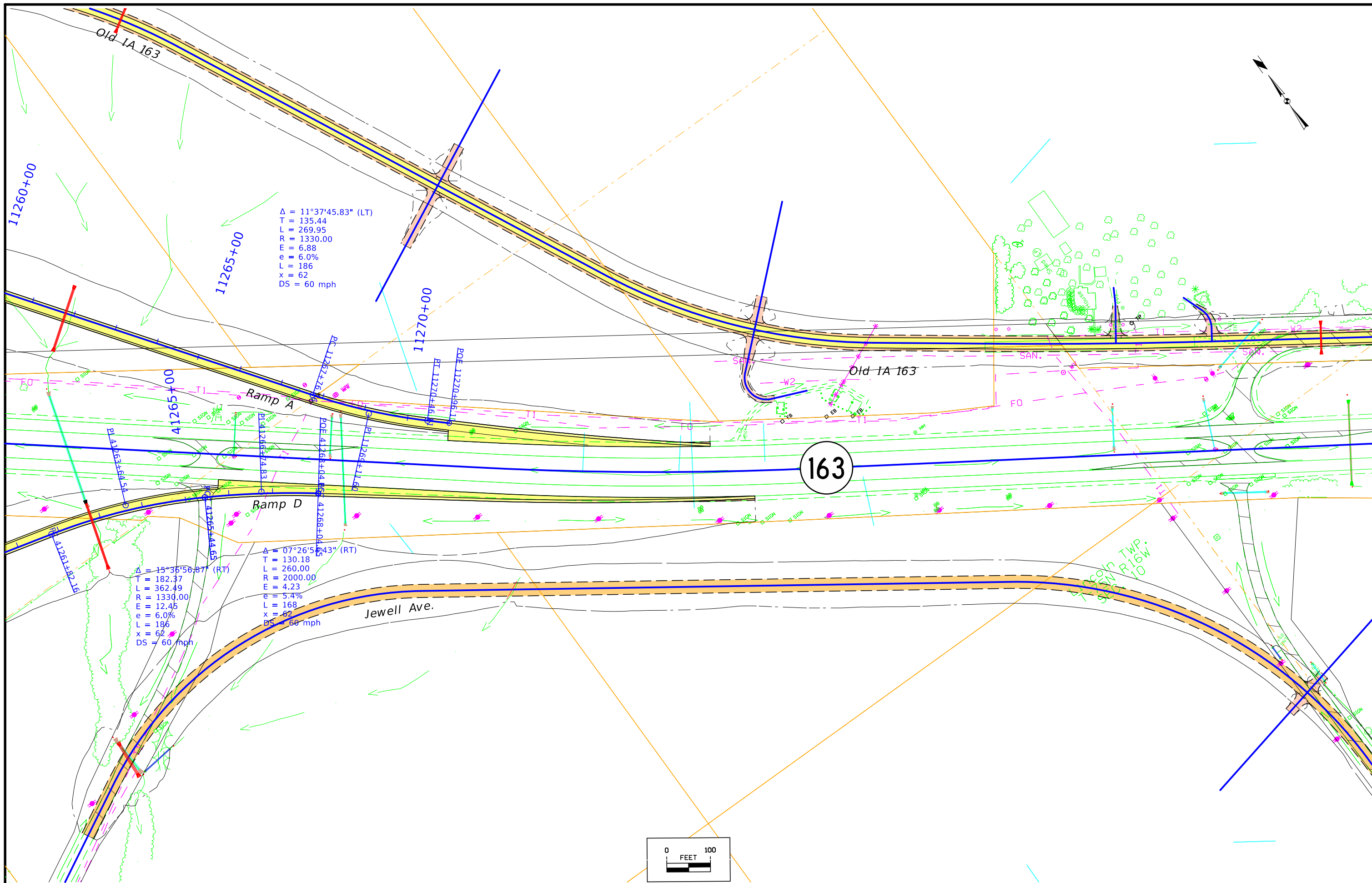
Project	Type of Work
None provided.	



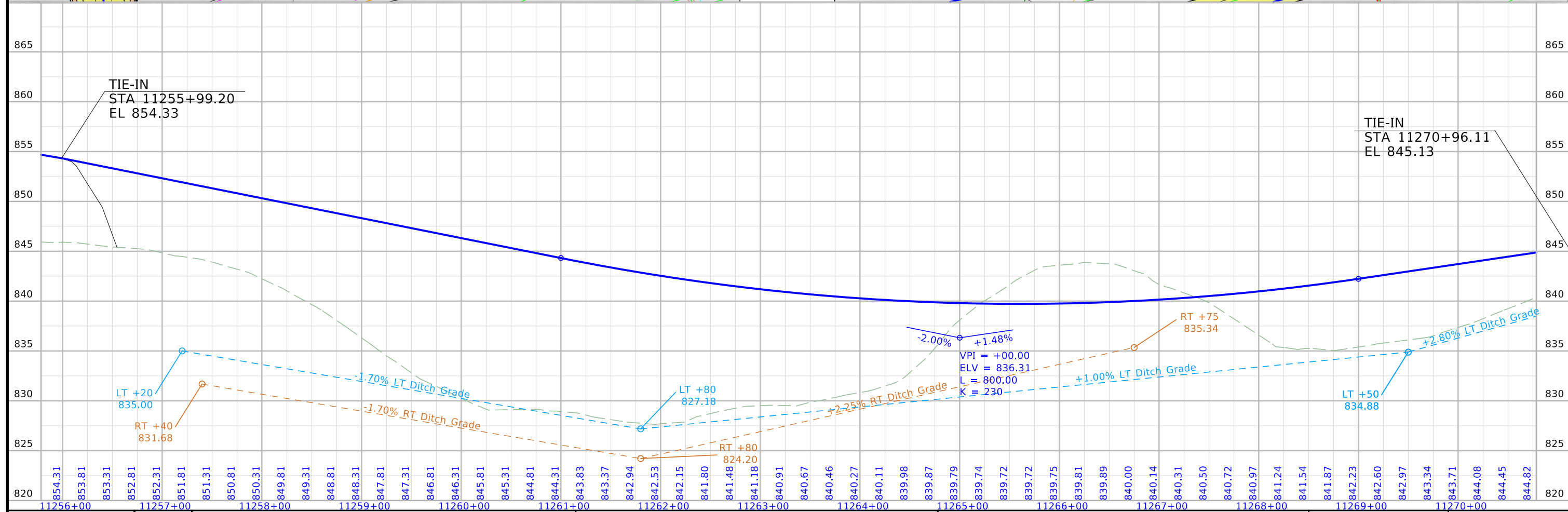
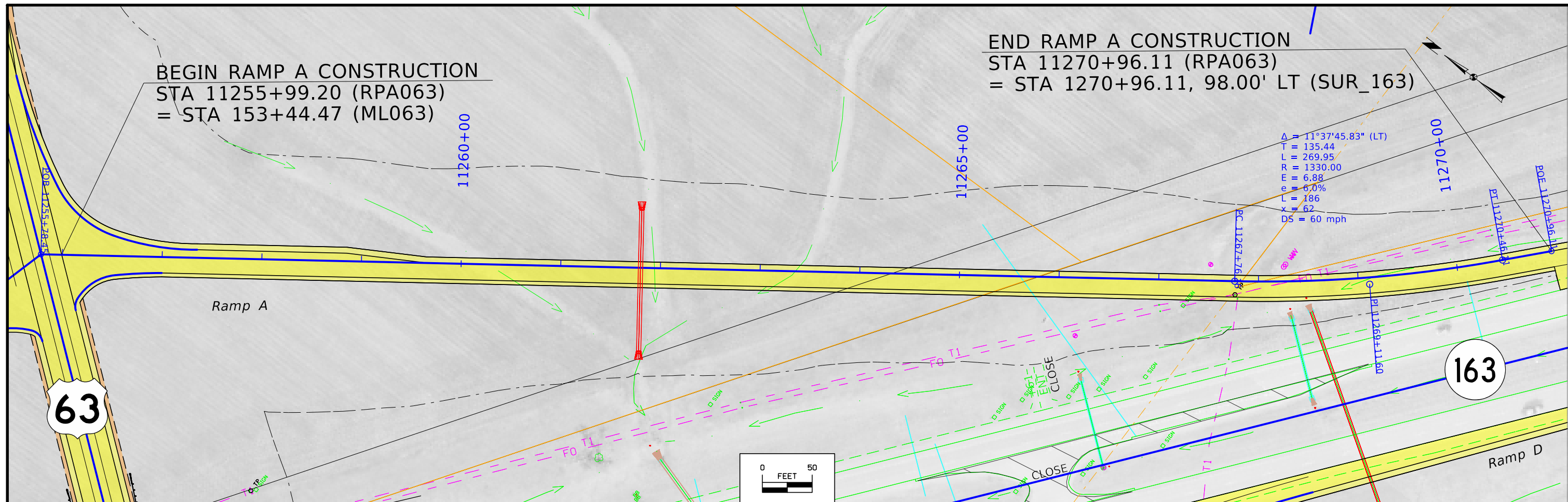
$\Delta = 22^{\circ}01'14.16"$  (LT)  
 $T = 389.13$   
 $L = 768.66$   
 $R = 2000.00$   
 $E = 37.50$   
 $e = 5.4\%$   
 $L = 168$   
 $x = 62$   
 $DS = 60$  mph

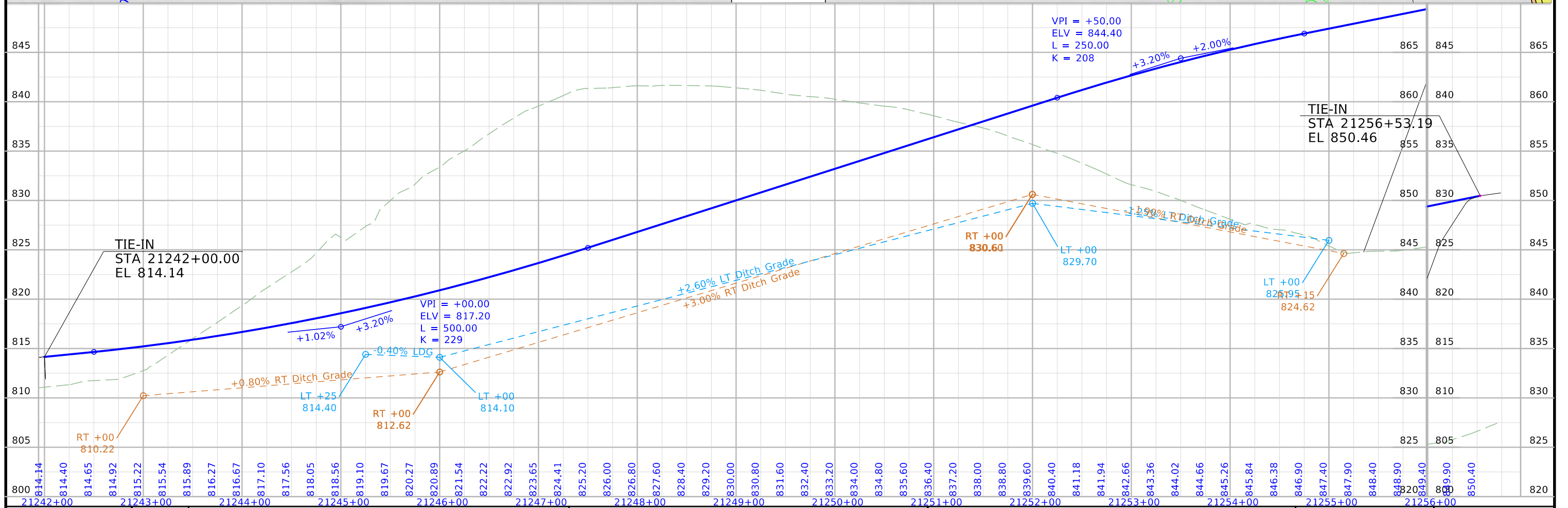
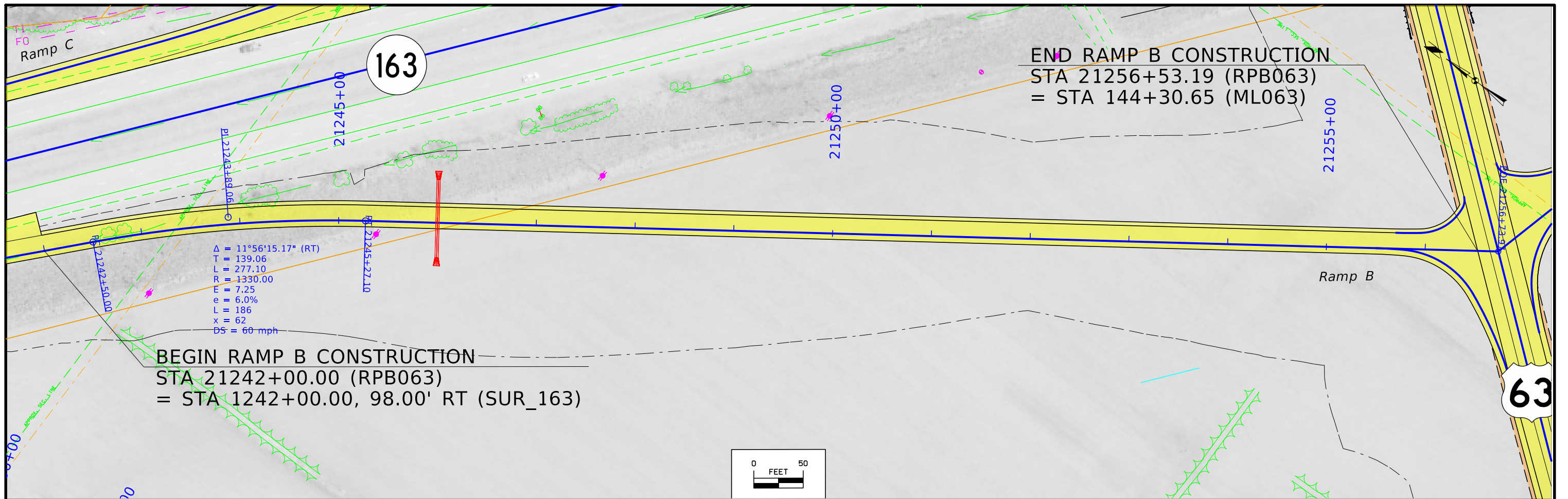
$\Delta = 11^{\circ}56'15.17"$  (RT)  
 $T = 139.06$   
 $L = 277.10$   
 $R = 1330.00$   
 $E = 7.25$   
 $e = 6.0\%$   
 $L = 186$   
 $x = 62$   
 $DS = 60$  mph



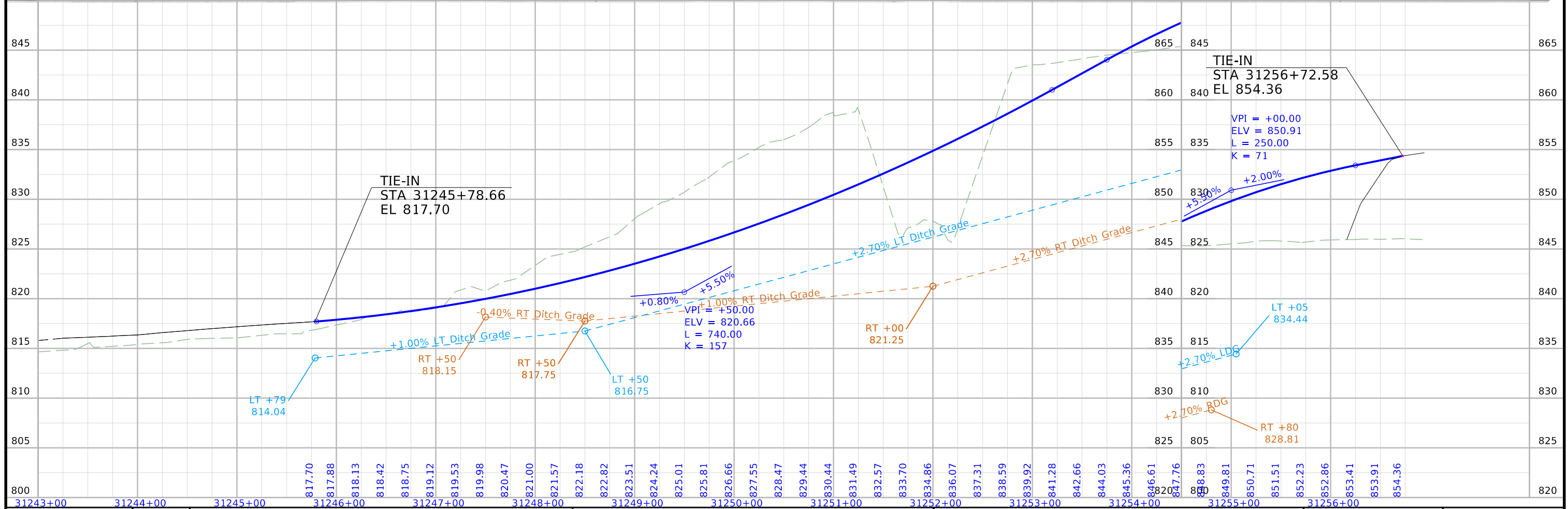
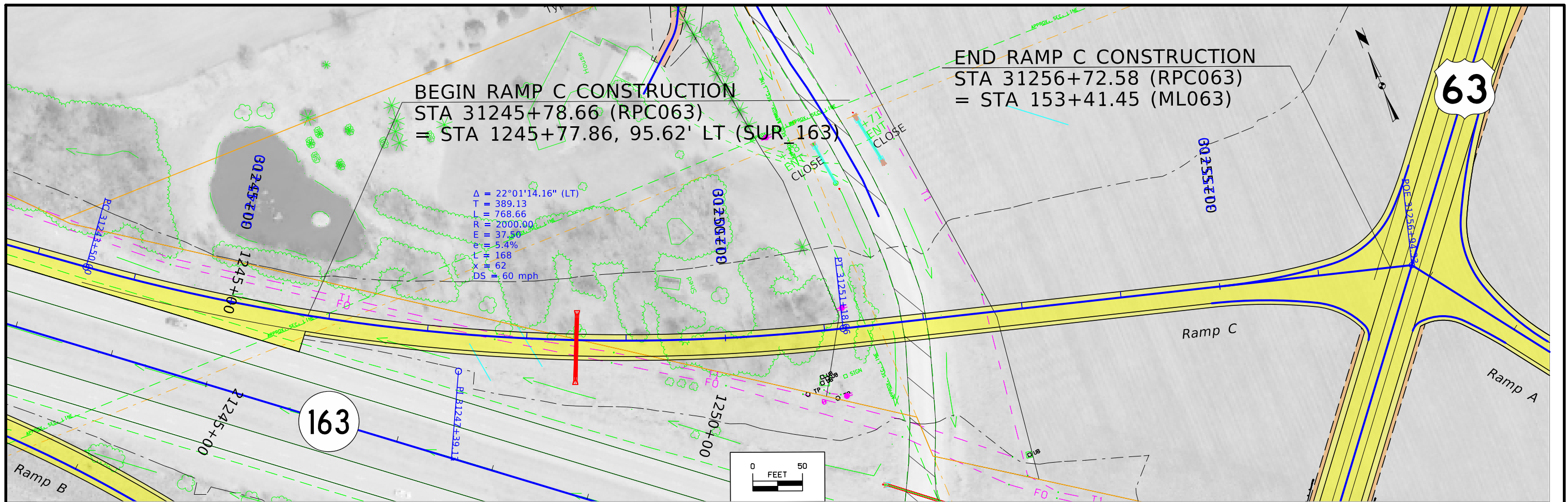


FILE NO.	ENGLISH	DESIGN TEAM Flattery \ Johnson	MAHASKA COUNTY	PROJECT NUMBER NHSX-063-3(93)--3H-62	SHEET NUMBER K.2
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FILE NO.	ENGLISH	DESIGN TEAM	Flattery \ Johnson	MAHASKA COUNTY	PROJECT NUMBER	NHSX-063-3(93)--3H-62	SHEET NUMBER	K.4
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FILE NO.	ENGLISH	DESIGN TEAM Flattery \ Johnson	MAHASKA COUNTY	PROJECT NUMBER NHSX-063-3(93)--3H-62	SHEET NUMBER K.5
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