

**CERRO GORDO CO. PCC PAV'T- GRADE & REPLACE  
NHSX-065-8(73)--3H-17**

LETTING DATE  
12-15-2023



**Highway Division**

PLANS OF PROPOSED IMPROVEMENT ON THE

PRIMARY ROAD SYSTEM  
**CERRO GORDO COUNTY**  
PCC PAVEMENT - GRADE AND REPLACE

0.1 mi S of 27th St SW to 6th St S in Mason City

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

PROJECT IDENTIFICATION NUMBER

19-17-065-010

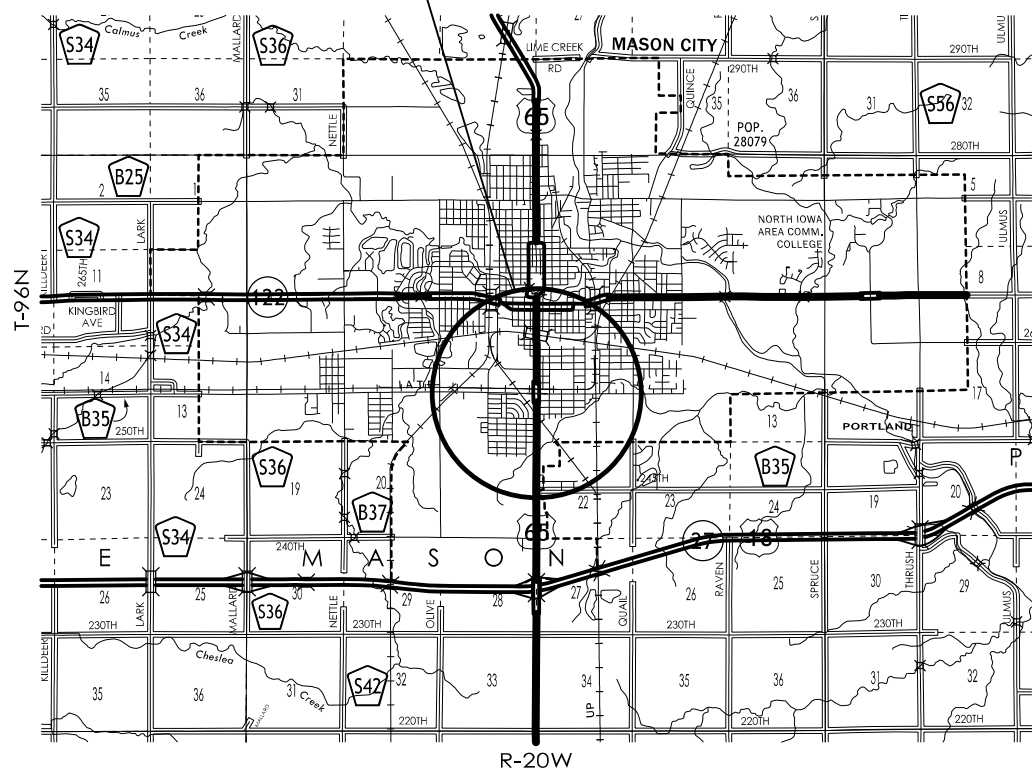
PROJECT NUMBER

NHSX-065-8(73)--3H-17

R.O.W. PROJECT NUMBER

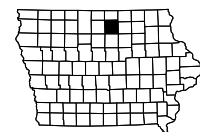
NHSX-065-8(76)--2R-17

PROJECT LOCATION

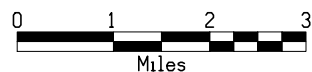


For Project Location Map  
Refer to Sheet A.2

**Project Event Dates**  
R1 - 09/03/2021  
P9 - 10/27/2021  
DM5 - 08/29/2023  
D8 - 10/03/2023



LOCATION MAP SCALE



**DESIGN DATA URBAN**

2023	AADT	9700	V.P.D.
2043	AADT	13900	V.P.D.
2043	DHV	1420	V.P.H.
	TRUCKS	05	%
	Total		
	Design ESALs	--	

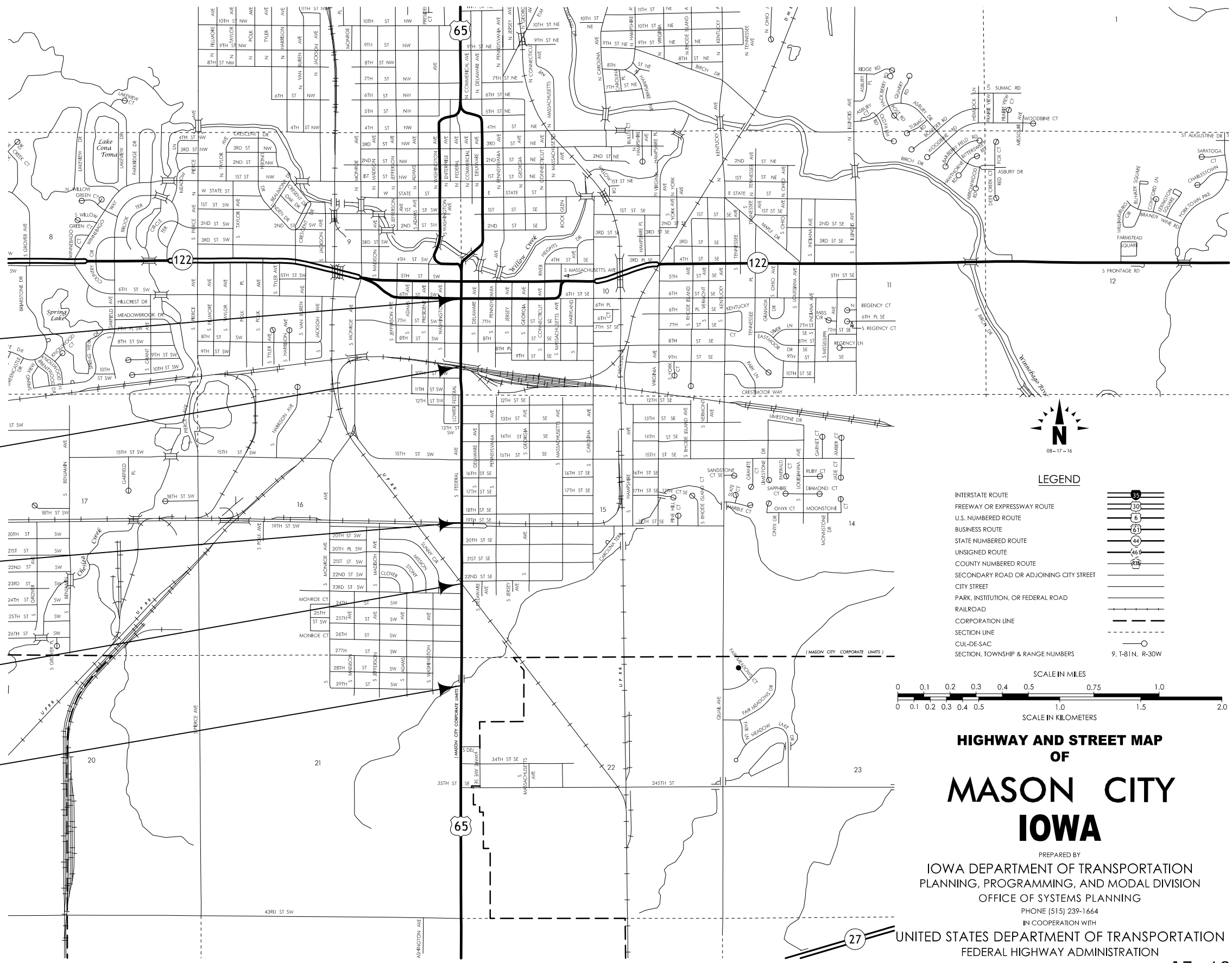
**INDEX OF SEALS**

SHEET NO.	NAME	TYPE
A.1	Ryan Miller	Primary Signature Block
X	X	X
X	X	X
X	X	X
X	X	X

**PRELIMINARY PLANS**

Subject to change by final design.

**D5 PLAN - Date: 06/04/2021**



STA. 260+54.68  
END CONSTRUCTION

STA. 247+76.22  
Mainline RR Bridge  
FHWA 18920  
Maint. No.  
FRA NO. 385488G

STA. 216+19.79  
At-Grade RR Crossing  
FRA NO. 858792U

STA. 204+02.02  
AT-GRADE RR CROSSING  
FRA NO. 201861H

STA. 183+37.95  
BEGIN CONSTRUCTION



LEGEND

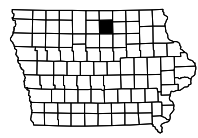
- INTERSTATE ROUTE
- FREEWAY OR EXPRESSWAY ROUTE
- U.S. NUMBERED ROUTE
- BUSINESS ROUTE
- STATE NUMBERED ROUTE
- UNSIGNED ROUTE
- COUNTY NUMBERED ROUTE
- SECONDARY ROAD OR ADJOINING CITY STREET
- CITY STREET
- PARK, INSTITUTION, OR FEDERAL ROAD
- RAILROAD
- CORPORATION LINE
- SECTION LINE
- CUL-DE-SAC
- SECTION, TOWNSHIP & RANGE NUMBERS



# HIGHWAY AND STREET MAP OF MASON CITY IOWA

PREPARED BY  
IOWA DEPARTMENT OF TRANSPORTATION  
PLANNING, PROGRAMMING, AND MODAL DIVISION  
OFFICE OF SYSTEMS PLANNING  
PHONE (515) 239-1664  
IN COOPERATION WITH  
UNITED STATES DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION

17-4822

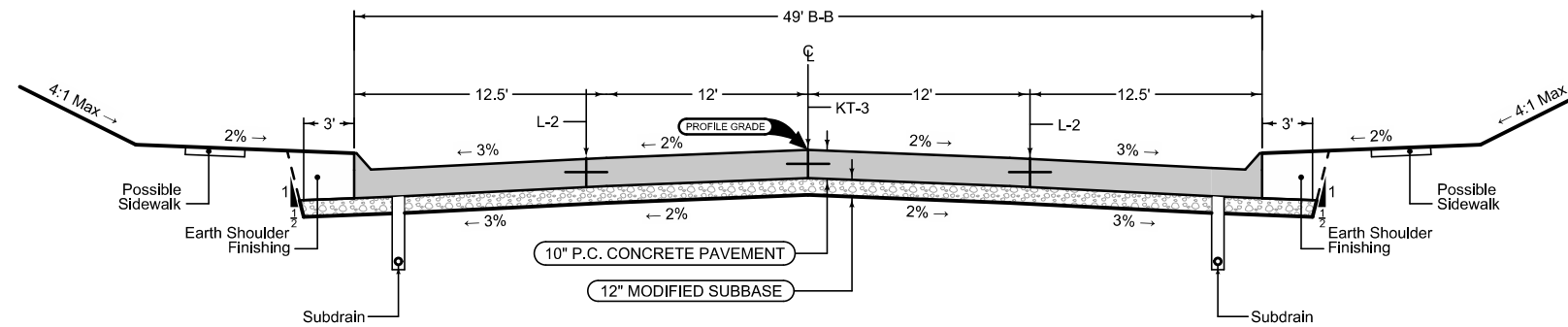


### Curbed Shoulder

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: CD at 17' spacing

STATION TO STATION		Curb Type See PV-102
183+37.95	205+14.50	6" Std.
235+58.91	252+41.73	6" Std.



Mainline Jointing:  
 Transverse joints: CD at 17' spacing

STATION TO STATION	
183+37.95	205+14.50
235+58.91	252+41.73

### 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: CD at 17' spacing

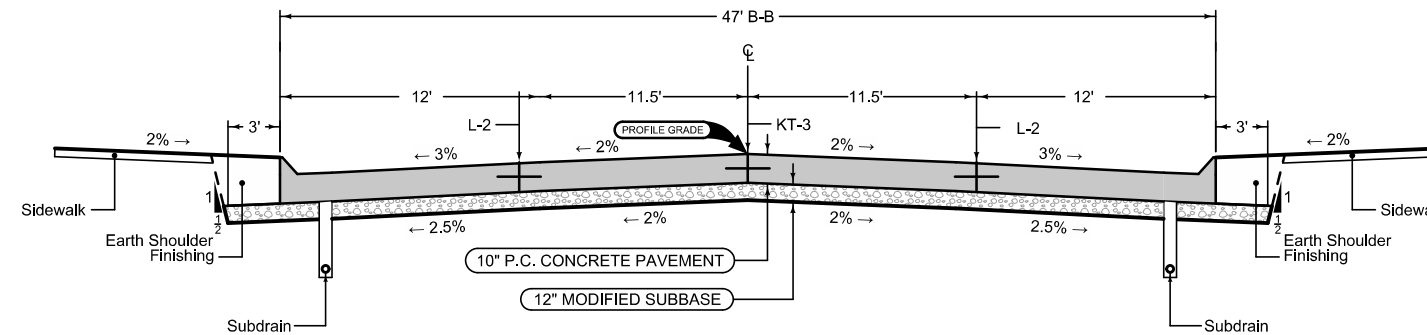
STATION TO STATION		Curb Type See PV-102
183+37.95	205+14.50	6" Std.
235+58.91	252+41.73	6" Std.

### 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

STATION TO STATION		Curb Type See PV-102
252+41.73	261+45.98	6" Std.



Mainline Jointing:  
 Transverse joints: CD at 17' spacing

STATION TO STATION	
252+41.73	261+45.98

### 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

STATION TO STATION		Curb Type See PV-102
252+41.73	261+45.98	6" Std.

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

See Tab 112-9 for shoulder quantities.

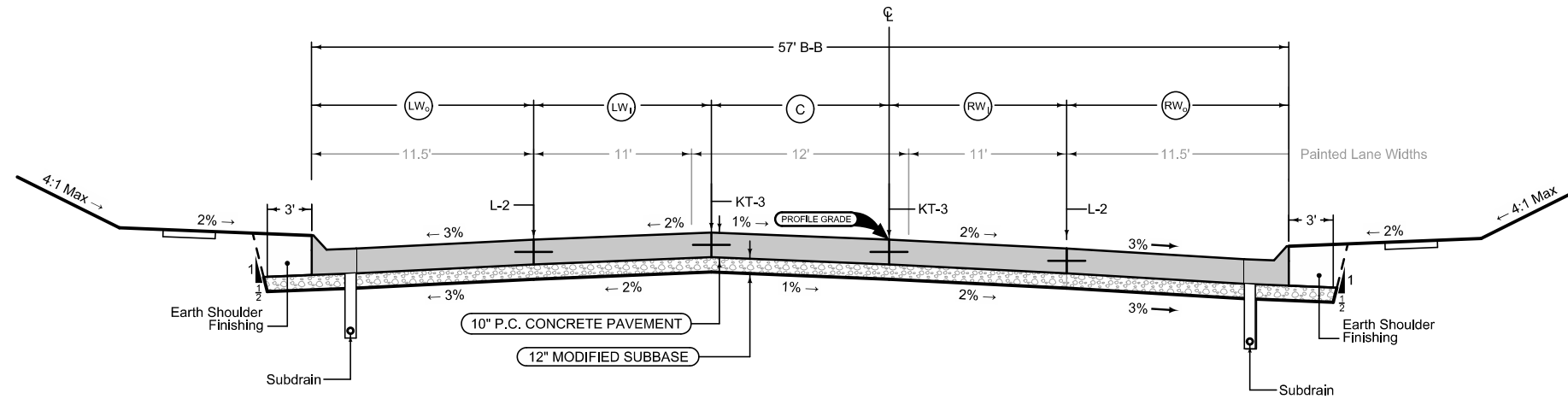
**US 65  
 (4 Lane)**

**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: CD at 17' spacing

		2_Curb_ 04-21-20	
STATION TO STATION		Curb Type See PV-102	
205+14.50	235+58.91	6" Std.	



**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: CD at 17' spacing

		2_Curb_ 04-21-20	
STATION TO STATION		Curb Type See PV-102	
205+14.50	235+58.91	6" Std.	

Mainline Jointing:  
 Transverse joints: CD at 17' spacing

STATION TO STATION		C Feet	LW <sub>2</sub> Feet	LW <sub>1</sub> Feet	RW <sub>1</sub> Feet	RW <sub>2</sub> Feet
205+14.50	207+64.50	0'-8"	12.5'-11.5'	12'-13'	12'-13'	12.5'-11.5'
207+64.50	233+06.24	8'	11.5'	13'	13'	11.5'
233+06.24	235+58.91	8'-0"	11.5'-12.5'	13'-12'	13'-12'	11.5'-12.5'

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

See Tab 112-9 for shoulder quantities.

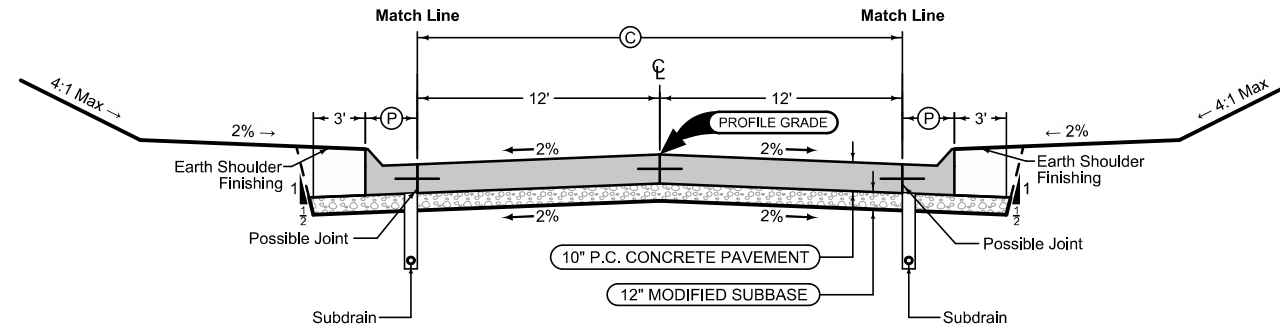
**US 65  
 (5 Lane)**

### Curbed Shoulder

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

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

		2_Curb_04-21-20		(P)	Curb Type
STREET IDENTIFICATION	STATION TO STATION		Feet	See PV-102	
27th	2788+35.00	2788+66.14	3.5	6" Std.	
26th	2691+30.00	2691+91.84	3.5	6" Std.	
25th	2594+90.00	2595+15.21	3.5	6" Std.	
24th	2498+10.00	2498+52.86	3.5	6" Std.	
23rd	2301+30.00	2301+75.91	3.5	6" Std.	
22nd	2204+63.10	2205+05.00	3.5	6" Std.	
21st	2108+29.64	2108+50.00	8.5	6" Std.	
20th	2011+95.10	2012+30.00	8.5	6" Std.	
18th	1818+10.91	1818+90.00	3.5	6" Std.	
17th (E)	1721+75.97	1722+55.00	5	6" Std.	
16th (E)	1625+70.36	1626+25.00	6	6" Std.	
14th (W)	1431+90.00	1432+17.27	2.5	6" Std.	
14th (E)	1432+74.27	1433+20.00	6	6" Std.	
13th (E)	1336+41.40	1337+20.00	.5	6" Std.	
12th (E)	1240+06.01	1240+70.00	6	6" Std.	
11th (W)	1141+45.00	1141+74.81	6	6" Std.	
10th (W)	1044+45.00	1045+09.63	4	6" Std.	
8th (W)	851+90.00	852+18.23	8.5	6" Std.	
8th (E)	852+65.76	852+81.00	10.5	6" Std.	
7th (W)	755+15.00	755+65.56	8.5	6" Std.	
7th (E)	756+12.56	756+45.00	10.5	6" Std.	



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

2P_04-21-20			
STREET IDENTIFICATION	STATION TO STATION		(C) Feet
27th	2788+35.00	2788+66.14	24
26th	2691+30.00	2691+91.84	24
25th	2594+90.00	2595+15.21	24
24th	2498+10.00	2498+52.86	24
23rd	2301+30.00	2301+75.91	24
22nd	2204+63.10	2205+05.00	24
21st	2108+29.64	2108+50.00	24
20th	2011+95.10	2012+30.00	24
18th	1818+10.91	1818+90.00	24
17th (E)	1721+75.97	1722+55.00	24
16th (E)	1625+70.36	1626+25.00	24
14th (W)	1431+90.00	1432+17.27	24
14th (E)	1432+74.27	1433+20.00	24
13th (E)	1336+41.40	1337+20.00	24
12th (E)	1240+06.01	1240+70.00	24
11th (W)	1141+45.00	1141+74.81	24
10th (W)	1044+45.00	1045+09.63	24
8th (W)	851+90.00	852+18.23	24
8th (E)	852+65.76	852+81.00	24
7th (W)	755+15.00	755+65.56	24
7th (E)	756+12.56	756+45.00	24

### Curbed Shoulder

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

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

		2_Curb_04-21-20		(P)	Curb Type
STREET IDENTIFICATION	STATION TO STATION		Feet	See PV-102	
27th	2788+35.00	2788+66.14	3.5	6" Std.	
26th	2691+30.00	2691+91.84	3.5	6" Std.	
25th	2594+90.00	2595+15.21	3.5	6" Std.	
24th	2498+10.00	2498+52.86	3.5	6" Std.	
23rd	2301+30.00	2301+75.91	3.5	6" Std.	
22nd	2204+63.10	2205+05.00	3.5	6" Std.	
21st	2108+29.64	2108+50.00	8.5	6" Std.	
20th	2011+95.10	2012+30.00	8.5	6" Std.	
18th	1818+10.91	1818+90.00	3.5	6" Std.	
17th (E)	1721+75.97	1722+55.00	5	6" Std.	
16th (E)	1625+70.36	1626+25.00	6	6" Std.	
14th (W)	1431+90.00	1432+17.27	2.5	6" Std.	
14th (E)	1432+74.27	1433+20.00	6	6" Std.	
13th (E)	1336+41.40	1337+20.00	.5	6" Std.	
12th (E)	1240+06.01	1240+70.00	6	6" Std.	
11th (W)	1141+45.00	1141+74.81	6	6" Std.	
10th (W)	1044+45.00	1045+09.63	4	6" Std.	
8th (W)	851+90.00	852+18.23	8.5	6" Std.	
8th (E)	852+65.76	852+81.00	10.5	6" Std.	
7th (W)	755+15.00	755+65.56	8.5	6" Std.	
7th (E)	756+12.56	756+45.00	10.5	6" Std.	

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

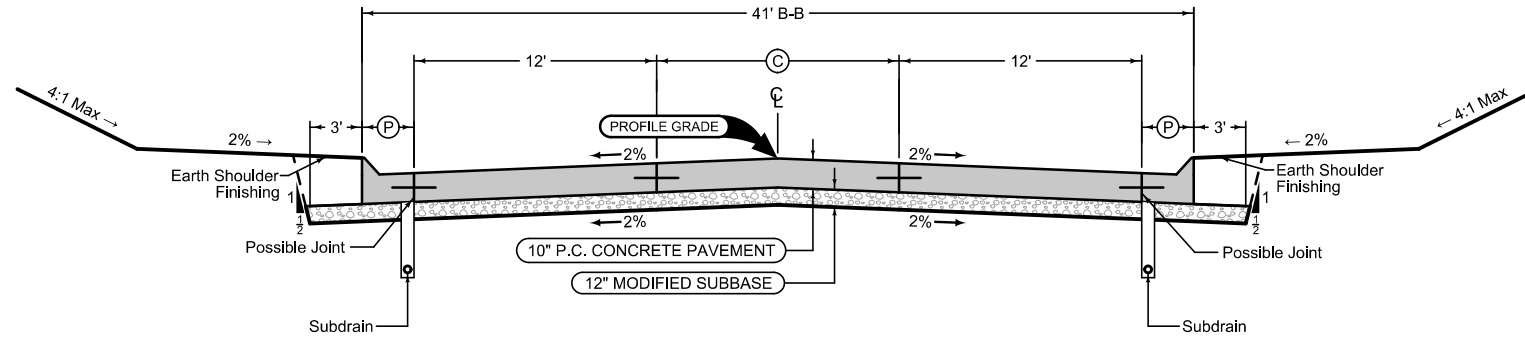
### 2 Lane Side Street

### Curbed Shoulder

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

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

2_Curb_04-21-20				
STREET IDENTIFICATION	STATION TO STATION		(P) Feet	Curb Type See PV-102
15th St (W)	1528+00.00	1528+54.20		6" Std.
15th St (E)	1529+14.27	1529+64.00		6" Std.



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

2P_TWLTL_04-21-20			
STREET IDENTIFICATION	STATION TO STATION		(C) Feet
15th (W)	1528+00.00	1528+54.20	10
15th (E)	1529+14.27	1529+64.00	10

### Curbed Shoulder

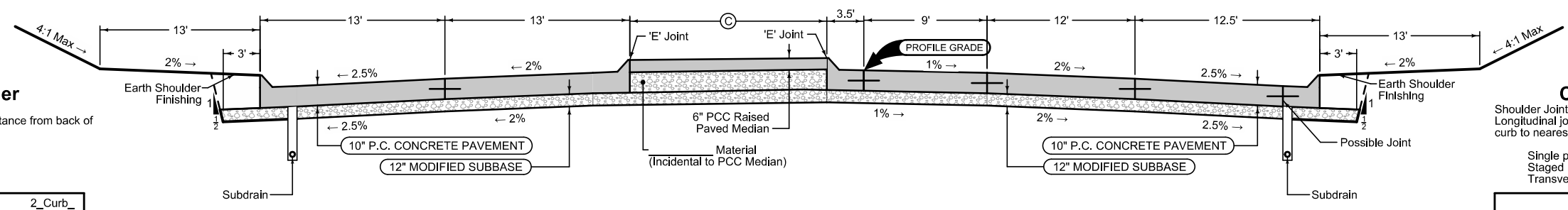
Shoulder Jointing:  
 Longitudinal joint not required when distance from back of  
 curb to nearest joint is less than 15':

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

2_Curb_04-21-20				
STREET IDENTIFICATION	STATION TO STATION		(P) Feet	Curb Type See PV-102
15th (W)	1528+00.00	1528+54.20		6" Std.
15th (E)	1529+14.27	1529+64.00		6" Std.

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

### 15th Street



**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

STATION TO STATION		Curb Type See PV-102
1914+32.80	1916+55.00	6" Std.

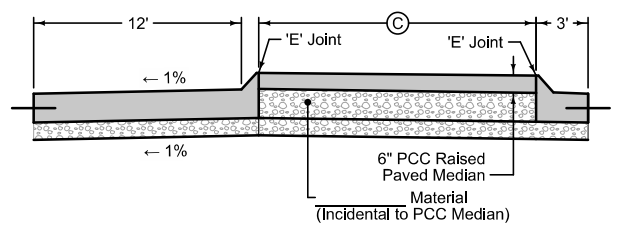
**Curbed Shoulder**

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

STATION TO STATION		Curb Type See PV-102
1914+32.80	1916+55.00	6" Std.

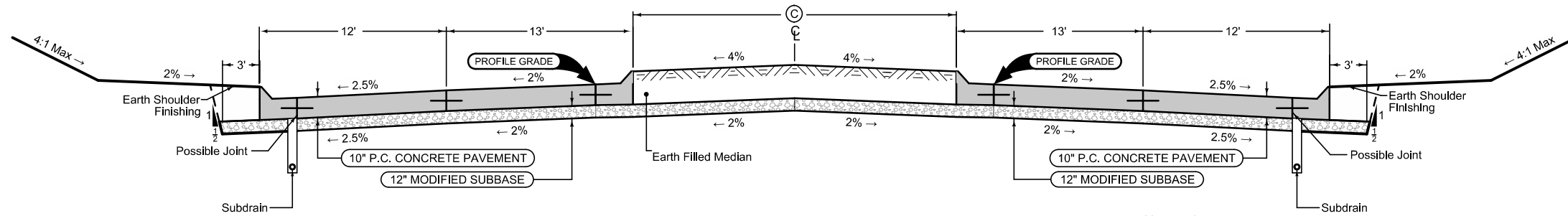
BEGIN STATION	END STATION	Ⓢ Feet
1914+32.80	1915+63.25	4



BEGIN STATION	END STATION	Ⓢ Feet
1915+63.25	1916+55.00	4

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

**19th Street**



**Curbed Shoulder**

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

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

2_Curb_04-21-20			Curb Type See PV-102
STREET IDENTIFICATION	STATION TO STATION		
16th (W)	1624+74.00	1624+98.89	6" Std.
17th (W)	1720+60.00	1721+18.71	6" Std.

STREET IDENTIFICATION	BEGIN STATION	END STATION
16th (W)	1624+74.00	1624+98.89
17th (W)	1720+60.00	1721+18.71

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

4DP_Raised_Out_04-21-20			
STREET IDENTIFICATION	BEGIN STATION	END STATION	Ⓢ Feet
16th (W)	1624+74.00	1624+98.89	9
17th (W)	1720+60.00	1721+18.71	8

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

STREET IDENTIFICATION	BEGIN STATION	END STATION
16th (W)	1624+74.00	1624+98.89
17th (W)	1720+60.00	1721+18.71

**Curbed Shoulder**

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

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

2_Curb_04-21-20			Curb Type See PV-102
STREET IDENTIFICATION	STATION TO STATION		
16th (W)	1624+74.00	1624+98.89	6" Std.
17th (W)	1720+60.00	1721+18.71	6" Std.

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

**Entrance with Raised Earth Median**



### ACCESS POINTS AND SAFETY RAMPS

Refer to Cross-Sections

Length of Unclassified Pipe calculated is based on using Corrugated Metal Pipe.

- ① Refer to MI-210
- ② Refer to EW-501.
- ③ Refer to EW-501 or EW-502.

\*Predetermined for access point not constructed with this project.

Location		Type	Length of Opening ①			Pipe Culvert ③			Aprons		Driveway Surface Area		Driveway Surfacing Material	Remarks				
Station	Side	A, B, C, Safety Ramp, or Predetermined*	Case	1 1/2" Dropped Curb	3" Dropped Curb	W	PR ① ②	SR ②	H	Size	Pipe Length	Lt.	Rt.		No.	HMA	PCC	TON
			1 or 2	LF	LF	FT	FT	FT	FT	IN	LF	LF	LF		SY	SY	TON	
<b>US 65</b>																		
185+04.2	Lt.	B	2	48.0		38.0												
185+33.6	Rt.	B	2	55.0		45.0												
189+22.7	Rt.	B	2	48.4		41.5												
190+55.0	Lt.	Alley	2	19.2		15.0												
192+89.0	Lt.	C	2	17.5		15.0												
193+29.4	Rt.	B	2	45.0		37.1												
193+78.3	Lt.	Alley	2	19.0		15.0												
194+70.3	Lt.	C	2	19.0		15.0												
195+38.4	Rt.	B	2	39.2		32.1												
196+13.5	Lt.	C	2	19.1		15.0												
196+29.0	Rt.	B	2	41.0		34.0												
197+03.0	Lt.	Alley	2	19.0		15.0												
197+54.8	Lt.	B	2	25.2		21.2												
197+68.7	Rt.	B	2	41.0		34.0												
198+93.0	Rt.	B	2	39.4		32.3												
199+54.0	Rt.	B	2	37.8		30.7												
200+26.6	Lt.	Alley	2	18.5		15.0												
200+73.0	Rt.	B	2	33.5		26.0												
200+95.9	Lt.	B	2	31.5		28.0												
201+41.0	Rt.	B	2	37.5		30.0												
203+53.6	Lt.	B	2	29.9		21.3												
206+96.0	Rt.	B	2	29.2		25.0												
207+48.8	Lt.	B	2	48.9		27.7												
209+02.0	Lt.	B	2	39.5		32.0												
209+70.0	Rt.	B	2	30.6		26.0												
210+34.0	Rt.	B	2	36.6		32.0												
212+85.0	Rt.	B	2	33.3		28.0												
213+41.0	Rt.	B	2	33.3		28.0												
219+50.0	Rt.	B	2	34.5		30.0												
222+18.0	Rt.	B	2	28.0		24.0												
223+65.0	Rt.	B	2	40.0		36.0												
227+34.0	Rt.	B	2	39.6		36.0												
229+95.0	Rt.	B	2	31.1		26.0												
230+36.0	Rt.	B	2	27.7		22.0												
231+27.0	Rt.	B	2	27.2		20.0												
234+08.0	Rt.	B	2	42.7		34.0												
241+74.8	Rt.	Alley	2	29.0		20.0												
243+40.0	Rt.	B	2	42.1		24.0												
243+65.0	Lt.	B	2	51.8		34.0												
244+03.5	Rt.	B	2	47.3		25.0												
244+65.0	Rt.	B	2	39.3		25.0												
245+94.0	Rt.	B	2	27.6		24.0												
249+79.0	Lt.	B	2	27.5		24.0												
250+43.5	Rt.	B	2	35.5		32.0												
251+11.3	Rt.	B	2	35.5		32.0												
254+44.0	Lt.	B	2	27.2		29.0												
256+85.0	Rt.	B	2	39.2		35.0												
257+30.5	Lt.	B	2	27.5		24.0												
257+83.0	Rt.	B	2	30.2		26.0												
258+68.0	Rt.	B	2	29.2		25.0												
259+13.0	Lt.	B	2	29.5		26.0												
259+22.0	Rt.	B	2	28.2		24.0												
260+24.5	Rt.	B	2	28.2		24.0												
260+53.6	Lt.	B	2	31.5		28.0												
		B																
<b>21st Street</b>																		
2108+87.5	Lt.	B	2	42.5		35.0												
<b>20th Street</b>																		
2012+24.0	Lt.	B	2	31.1		24.0												
<b>17th Street</b>																		
1722+25.3	Rt.	B	2	38.3		24.0												
<b>16th Street</b>																		
1625+98.6	Lt.	B	2	32.4		24.0												
<b>13th Street</b>																		
1336+92.0	Lt.	B	2	38.9		24.0												
1336+94.4	Rt.	B	2	32.7		17.0												

### ACCESS POINTS AND SAFETY RAMPS

Refer to Cross-Sections

Length of Unclassified Pipe calculated is based on using Corrugated Metal Pipe.

- ① Refer to MI-210
- ② Refer to EW-501.
- ③ Refer to EW-501 or EW-502.

\*Predetermined for access point not constructed with this project.

Location		Type	Length of Opening ①			Pipe Culvert ③			Aprons		Driveway Surface Area		Driveway Surfacing Material	Remarks				
Station	Side	A, B, C, Safety Ramp, or Predetermined*	Case	1½" Dropped Curb	3" Dropped Curb	W	① PR	② SR	H	Size	Pipe Length	Lt.	Rt.		No.	HMA	PCC	TON
			1 or 2	LF	LF	FT	FT	FT	FT	IN	LF	LF	LF		SY	SY	TON	
<b>12th Street</b>																		
1240+46.0	Lt.	B	2	28.7		19.0												
1240+53.0	Rt.	B	2	38.0		28.0												
<b>10th Street</b>																		
1044+57.4	Lt.	B	2	44.3		34.0												
<b>7th Street</b>																		
755+34.6	Rt.	B	2	31.4		24.0												
<b>Closed Ent.</b>																		
2497+97.8	Lt.																	24th Street
212+28.2	Rt.																	US 65
214+19.6	Rt.																	US 65
214+64.8	Rt.																	US 65
216+61.0	Rt.																	US 65
217+45.9	Rt.																	US 65
1818+48.8	Rt.																	18th Street
1818+54.4	Lt.																	18th Street
220+05.6	Rt.																	US 65
220+84.1	Rt.																	US 65
1722+14.4	Lt.																	17th Street
1529+42.9	Lt.																	15th Street
229+45.3	Rt.																	US 65
236+76.5	Rt.																	US 65
237+33.5	Rt.																	US 65
238+25.5	Rt.																	US 65
239+19.0	Rt.																	US 65
250+97.0	Lt.																	US 65
251+76.9	Lt.																	US 65
851+83.5	Rt.																	8th Street
852+90.8	Rt.																	8th Street
255+01.3	Rt.																	US 65

### SURVEY SYMBOLS

- DU, Centerline Draw or Stream -Up
- EB, Electrical Box
- EL1B, Electric Line Co. 1 - Quality B
- EL2B, Electric Line Co. 2 - Quality B
- EL3B, Electric Line Co. 3 - Quality B
- EL4B, Electric Line Co. 4 - Quality B
- EL5B, Electric Line Co. 5 - Quality B
- FCL, Chain Link and Security Fence
- FHD, Fire Hydrants
- FLG, Flag Poles
- FO1B, Fiber Optic Co. 1 - Quality B
- FO3B, Fiber Optic Co. 3 - Quality B
- FO3D, Fiber Optic Co. 3 - Quality D
- FW, Wire Fence
- GL1B, Gas Line Co. 1 - Quality B
- GP, Guard Post -Less Than 4 Posts
- GV, Gas Valve
- IN, Storm Sewer Intake
- INB, Storm Sewer Beehive Intake
- LUM, Luminaire
- MH, Utility Access -Manhole
- MIS, Miscellaneous
- PPB, Power Pole Co. 2
- PR, Electric Riser Pole
- RET, Retaining Walls
- SA1B, Sanitary Sewer Co. 1- Quality B
- SA1D, Sanitary Sewer Co. 1- Quality D
- SI, Sign
- ST1B, Storm Sewer Co. 1 - Quality B
- ST1D, Storm Sewer Co. 1 - Quality D
- TCB, Traffic Signal Box
- TDC, Tree Deciduous
- TL1B, Telephone Line Co. 1 - Quality B
- TL2B, Telephone Line Co. 2 - Quality B
- TPD, Telephone Pedestal
- TSG, Traffic Signal
- TSL, Traffic Signal and Luminare
- TV1B, TV Cable Co. 1 - Quality B
- TV1D, TV Cable Co. 1 - Quality D
- UB, Utility Box
- UST, Underground Tank
- WL1B, Water Line Co. 1 - Quality B
- WV, Water Valve

### UTILITY LEGEND

- Alliant Energy  
Mary Montgomery  
PO Box 351  
Cedar Rapids IA 52406-9874  
marymontgomery@alliantenergy.com  
(319)786-4768
- Aureon Network Services  
Jeff Klocko  
7760 Office Plaze Drive South  
West Des Moines IA 50266  
jeff.klocko@aureon.com  
(515)830-0445
- Centurylink  
Steve Parker  
2103 E University Ave.  
Des Moines IA 50317  
steven.parker4@lumen.com  
(515)265-0968
- Clear Lake Independent Telephone Company  
Dennis Fitzgerald  
107 N 4th Street  
Clear Lake IA 50428  
dennisfitzgerald@ctel.com  
(641)357-2111
- Mason City  
Steven Olney  
10 1st Street NW  
Mason City IA 50401  
solney@masoncity.net  
(641)421-3605
- Mediacom Communications Corp  
Kent Studer  
12251 265th St.  
Mason City IA 50401  
kstuder@mediacomcc.com  
(641)430-4048
- Windstream Comm Telephone & Fiber Dist.  
Terry Burke  
641 West Street South  
Grinnell IA 50112  
terry.r.burke@windstream.com  
(641)787-2259
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### PLAN VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS

LINEWORK	Design Color No.	Description
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.	Description
Yellow	(4)	Highlight for Critical Notes or Features
Red	(3)	Delineates Restricted Areas
Lavender	(9)	Temporary Pavement Shading
Gray, Light	(48)	Proposed Pavement Shading
Gray, Med	(80)	Proposed Granular Shading
Gray, Dark	(112)	Proposed Grade and Pave Shading "In conjunction with a paving project"
Brown, Light	(236)	Grading Shading
Tan	(8)	Proposed Sidewalk Shading
Blue, Light	(230)	Proposed Sidewalk Landing Shading
Pink	(11)	Proposed Sidewalk Ramp Shading
Green, Light	(233)	Proposed Work by City of Mason City

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

LINEWORK	Design Color No.	Description
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

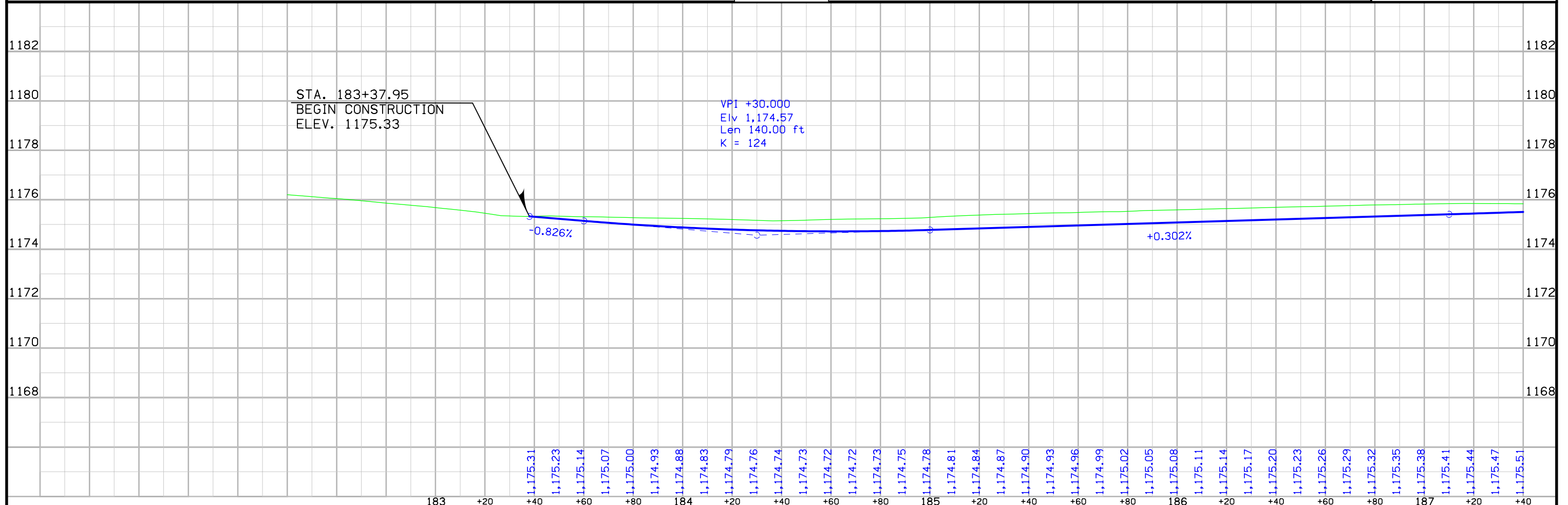
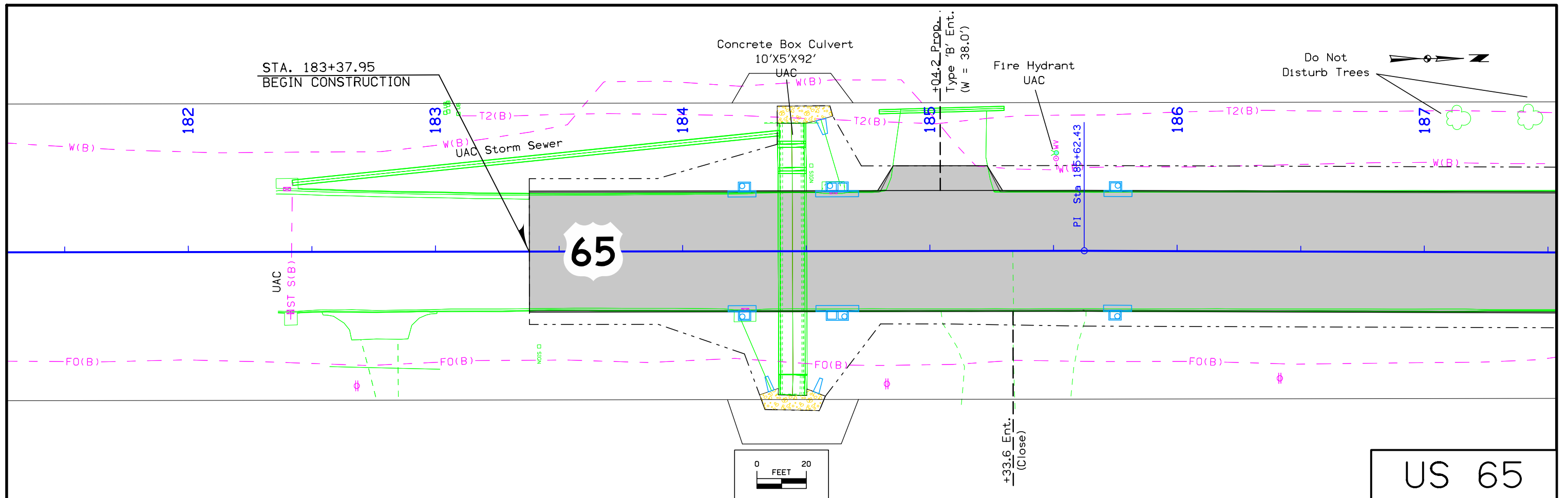
Pavement Removal    Clearing & Grubbing Area

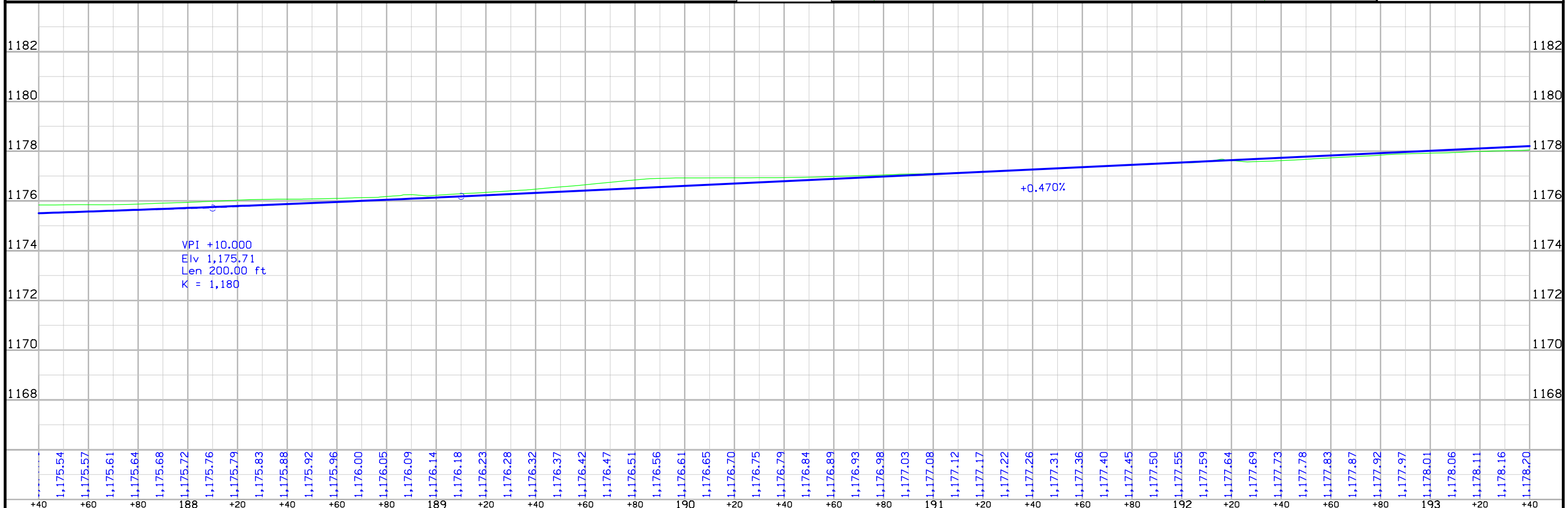
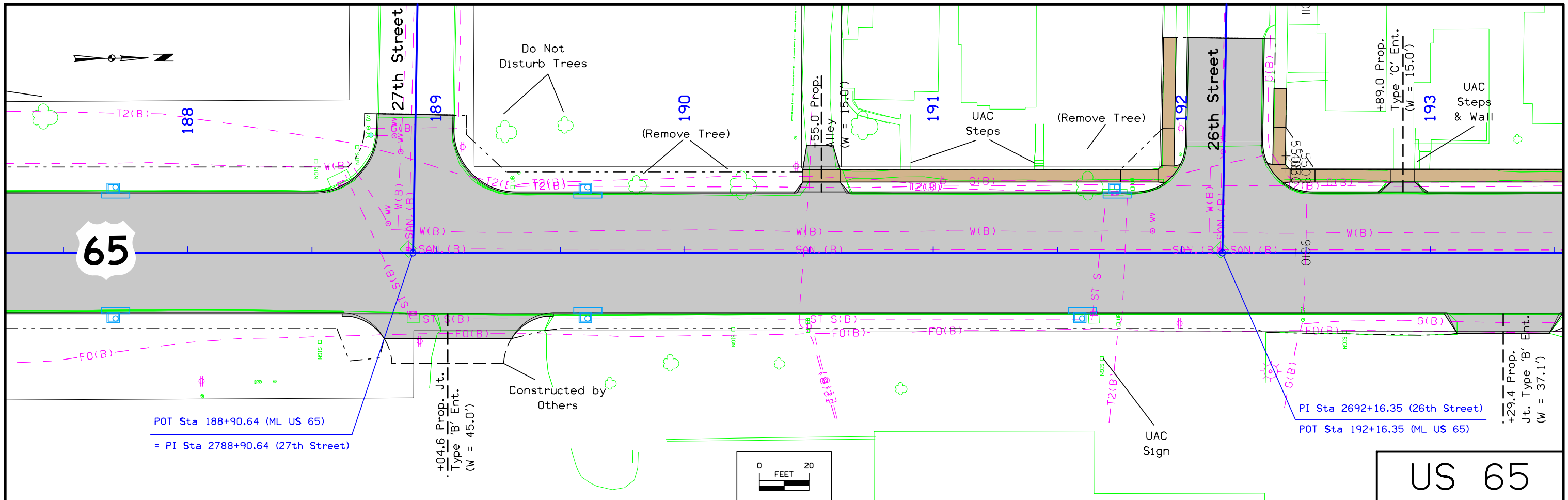
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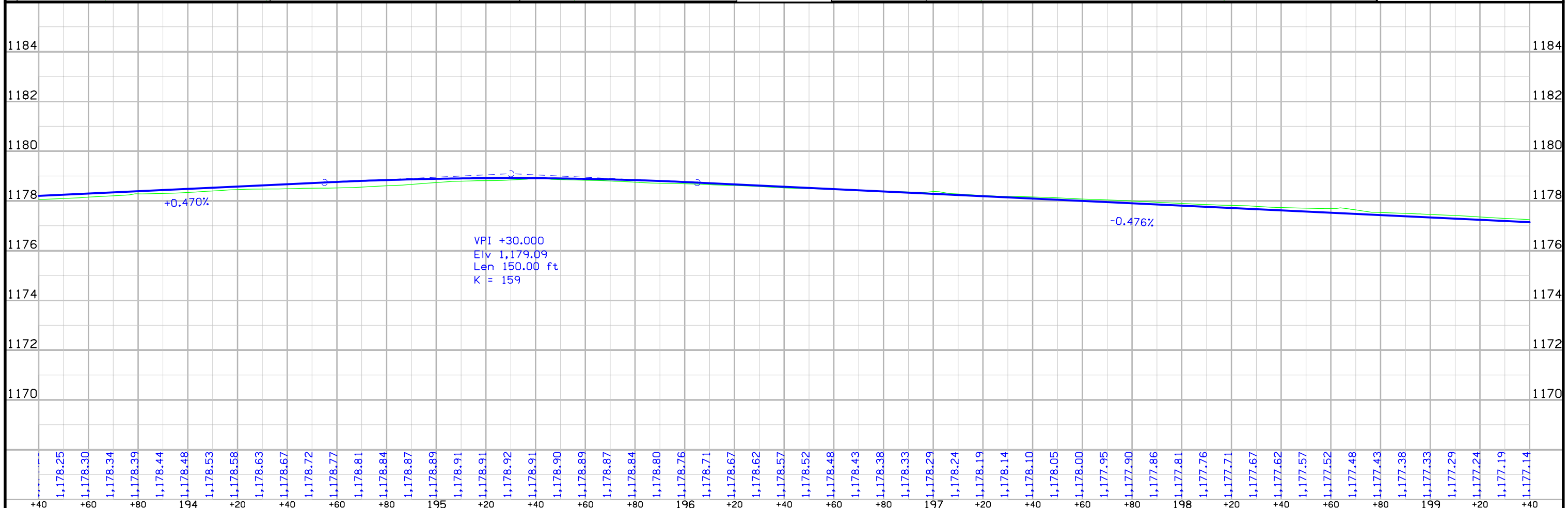
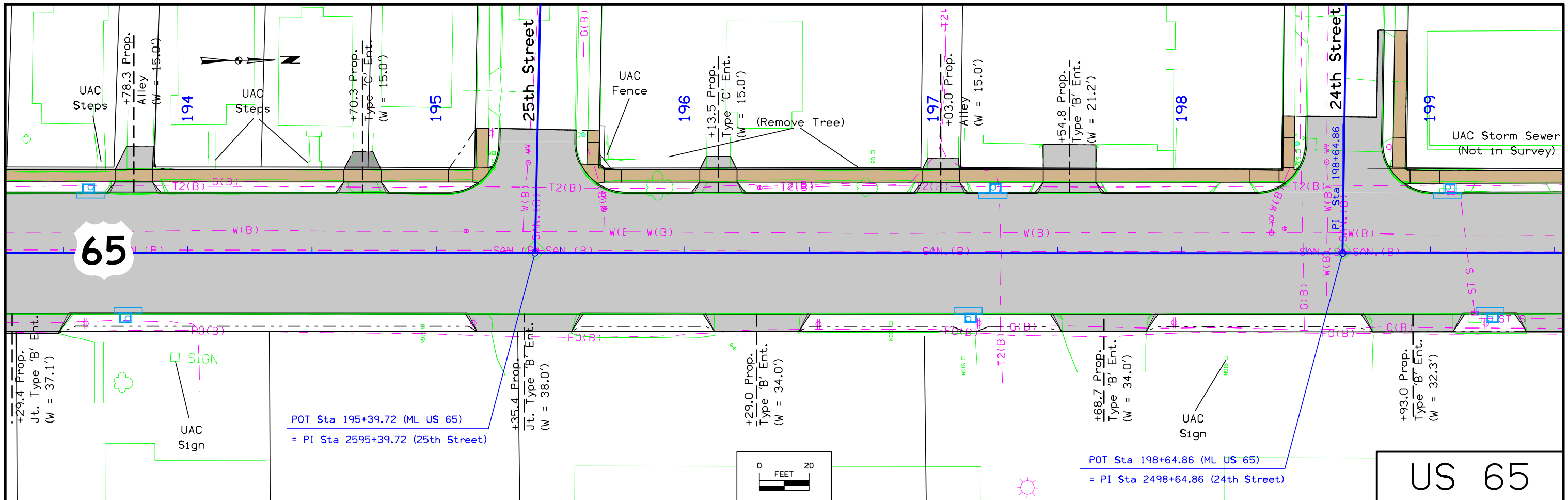
- Proposed Right-of-Way
- Existing Right of Way
- Existing and Proposed Right-of-Way
- Easement and Existing Right-of-Way
- Easement (Temporary)
- Easement
- Access Control
- Property Line

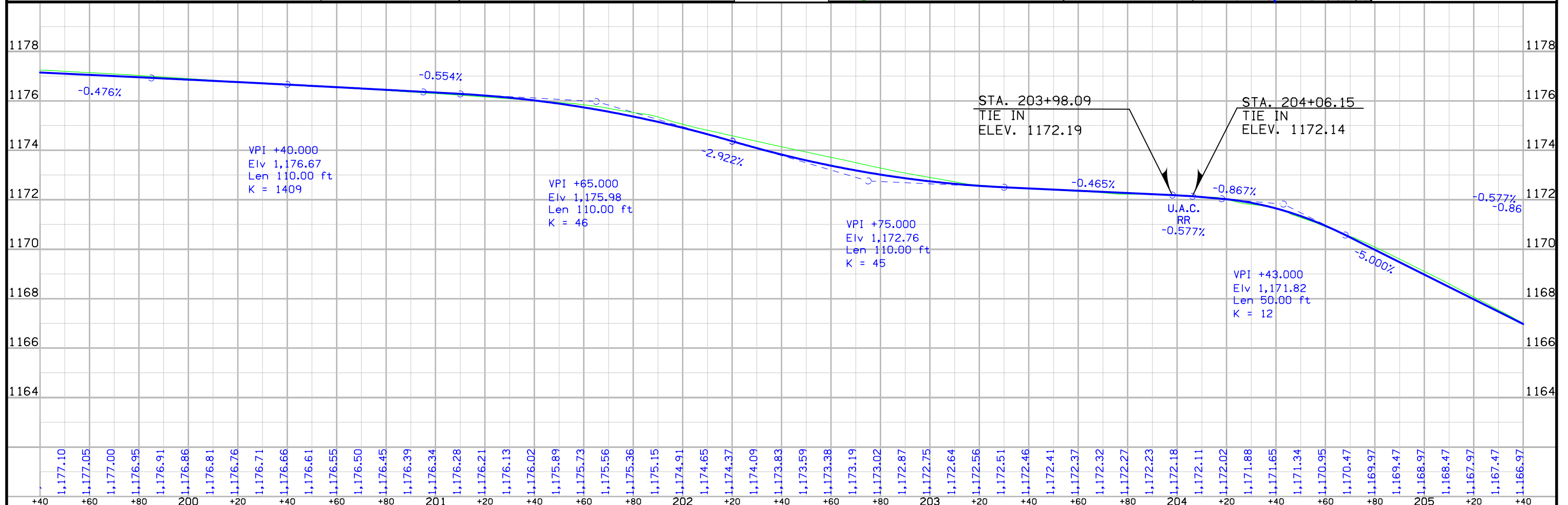
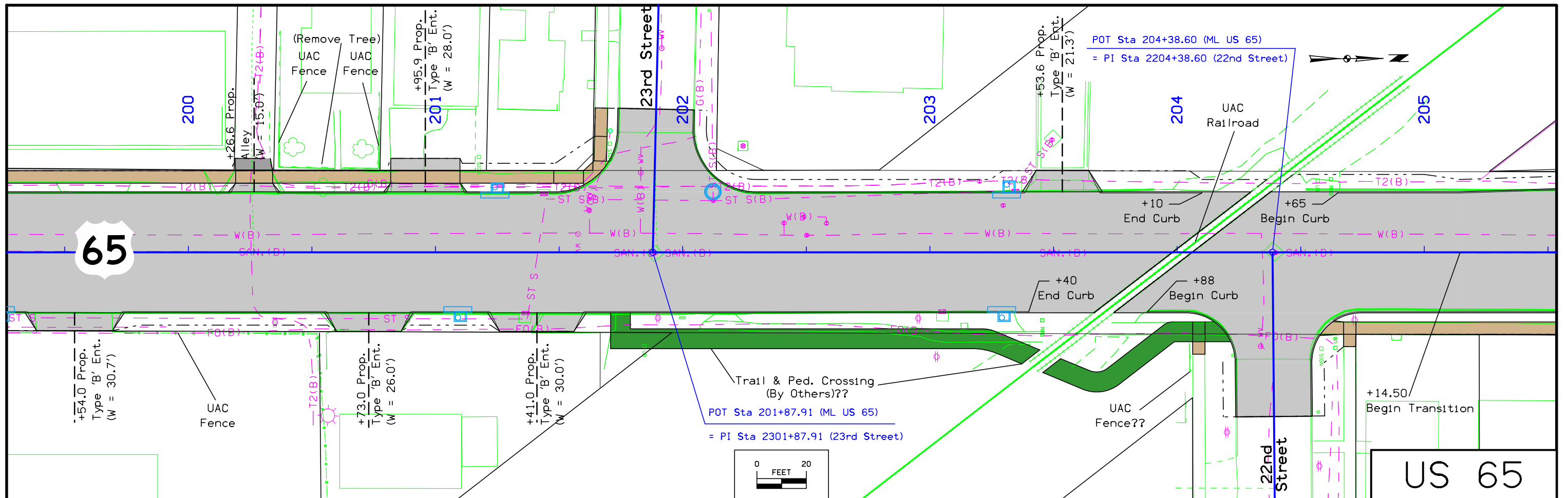
## LEGEND AND SYMBOL INFORMATION SHEET

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

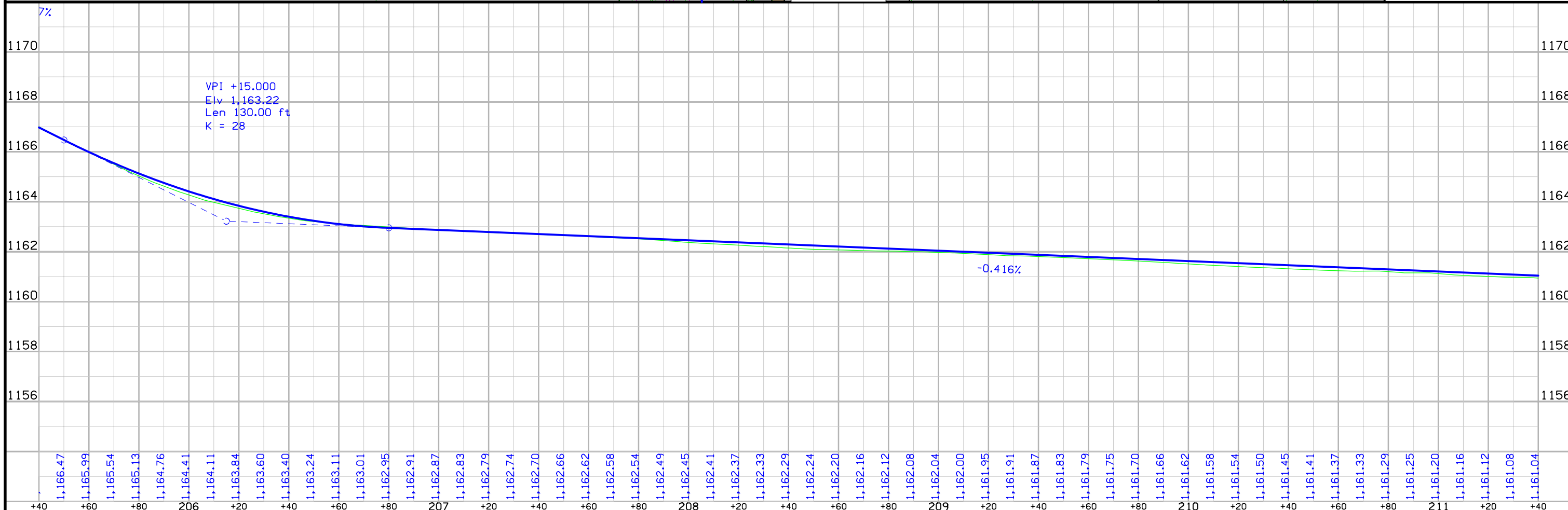
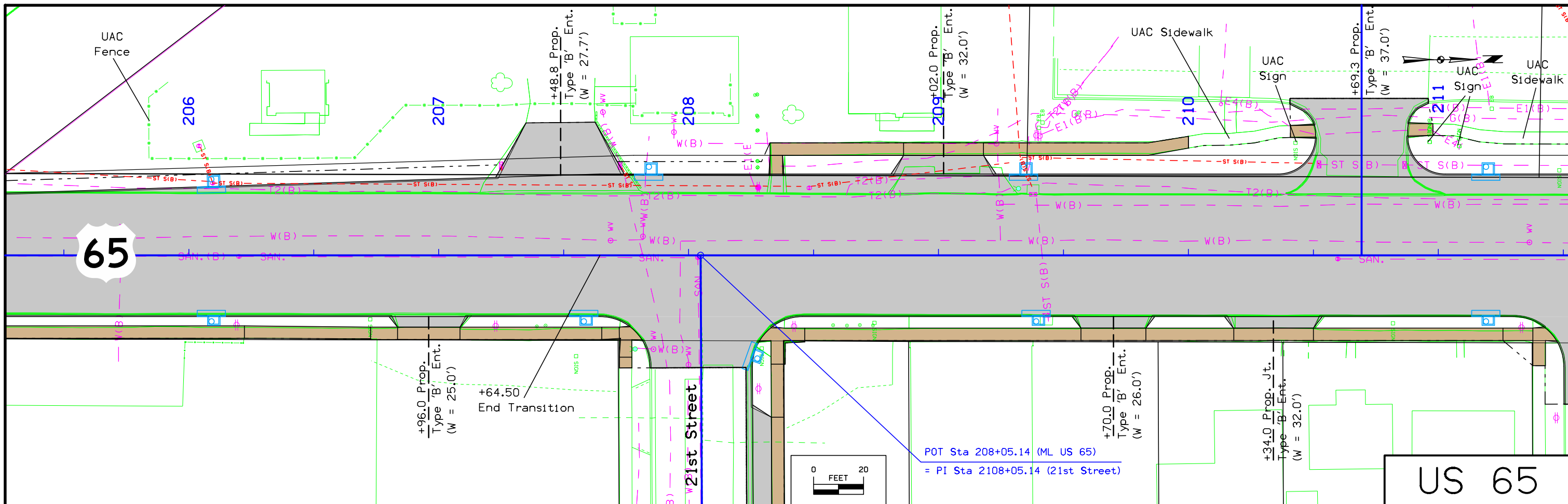






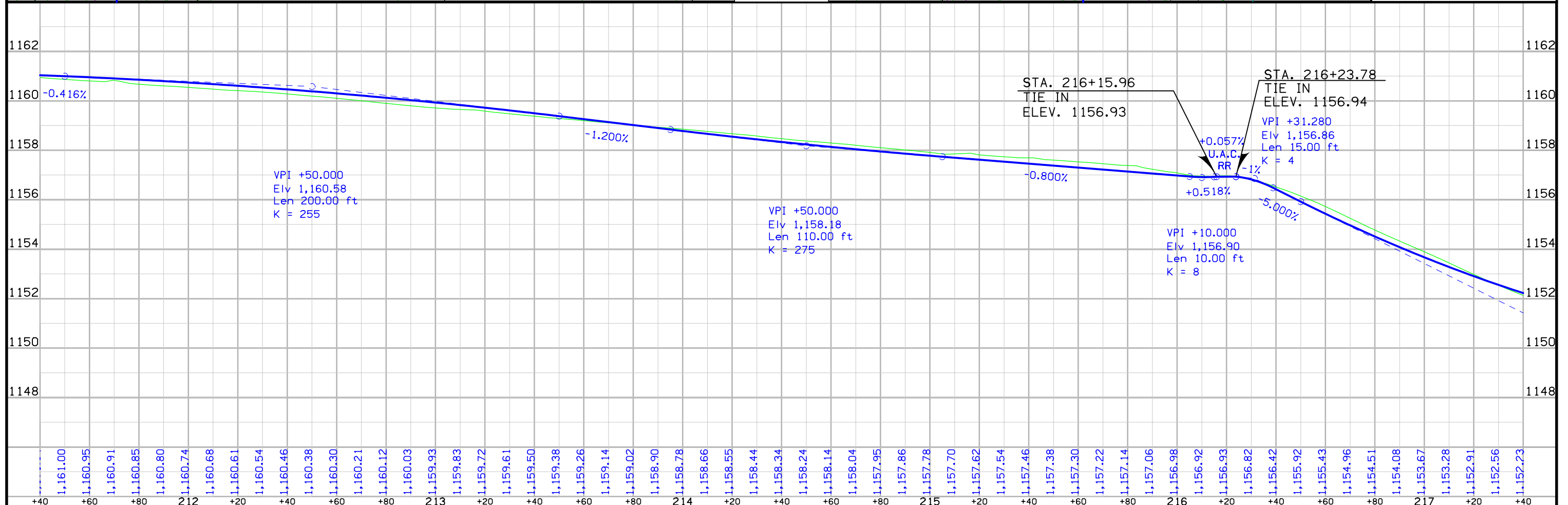
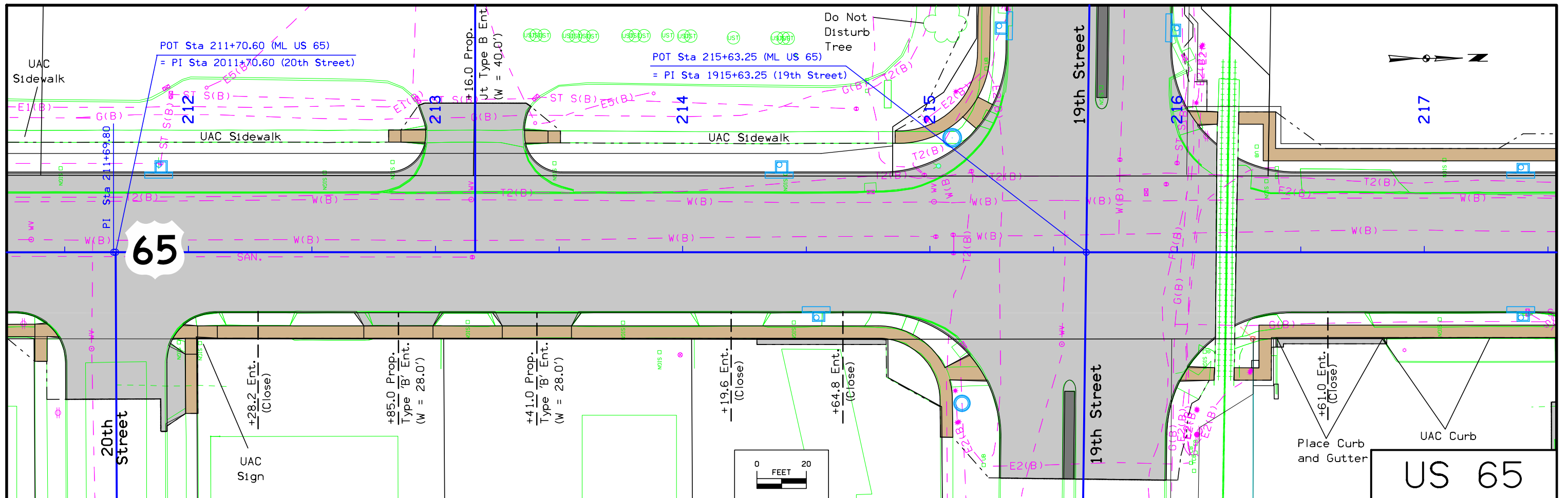


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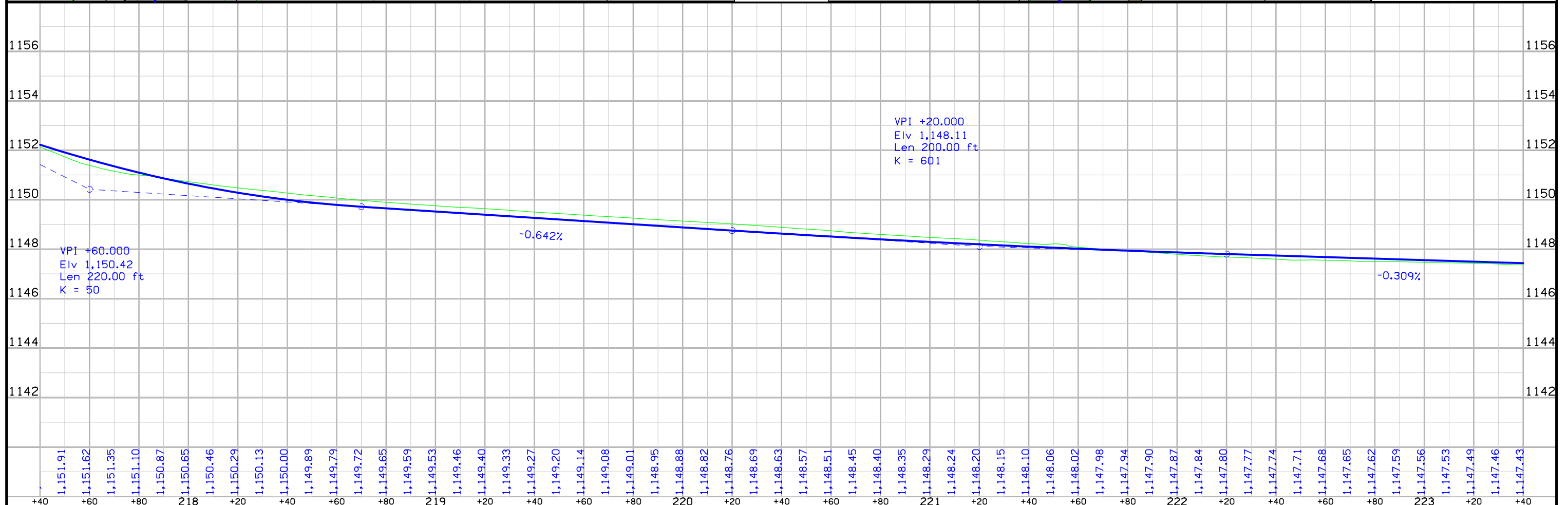
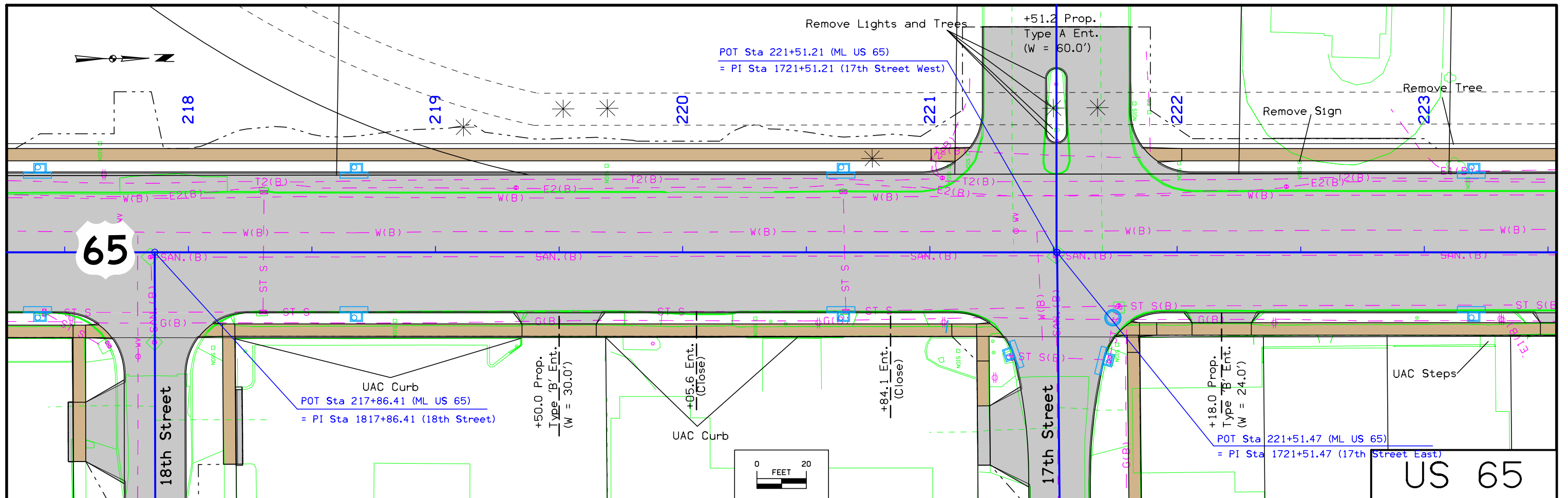


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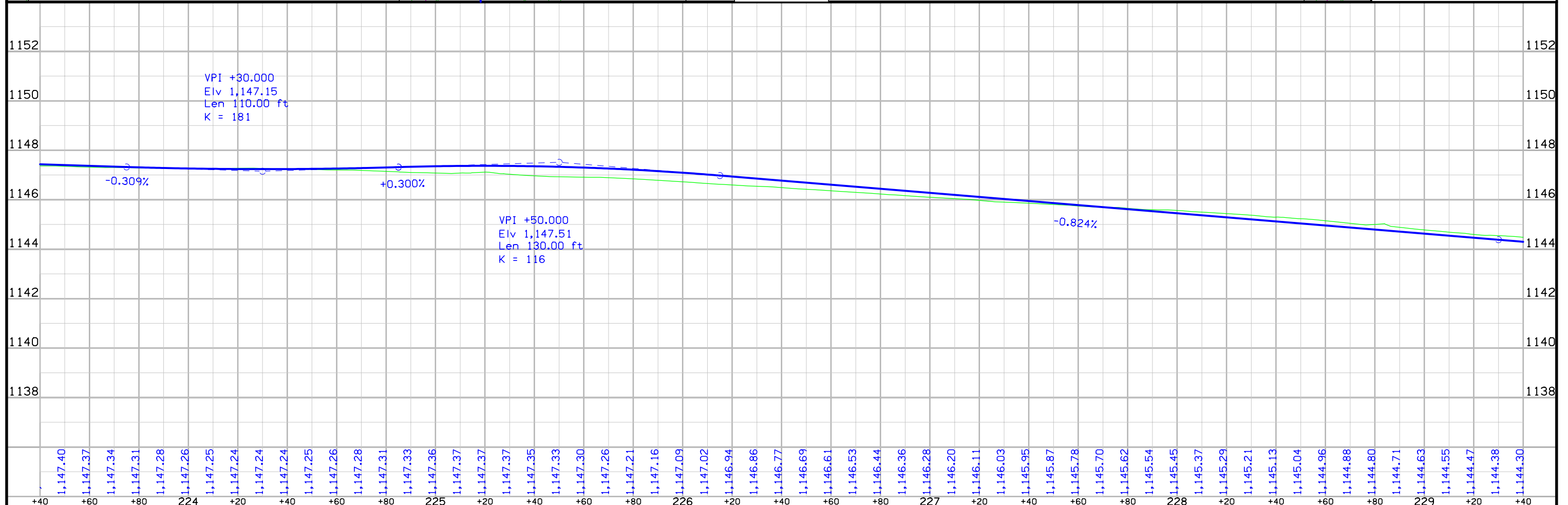
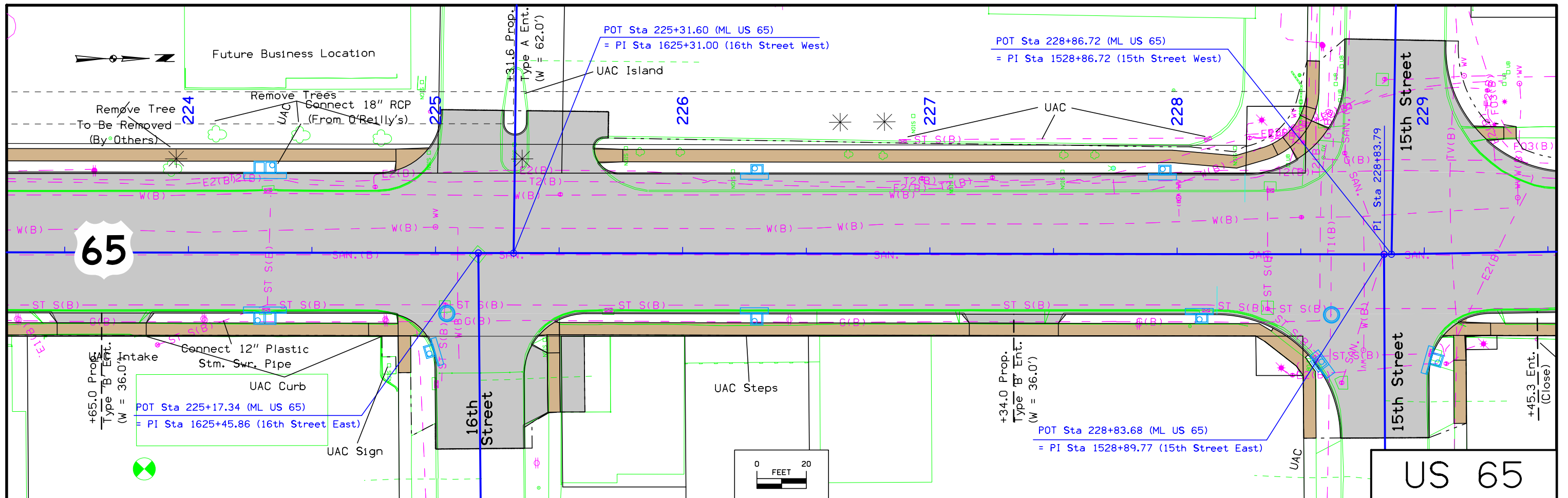




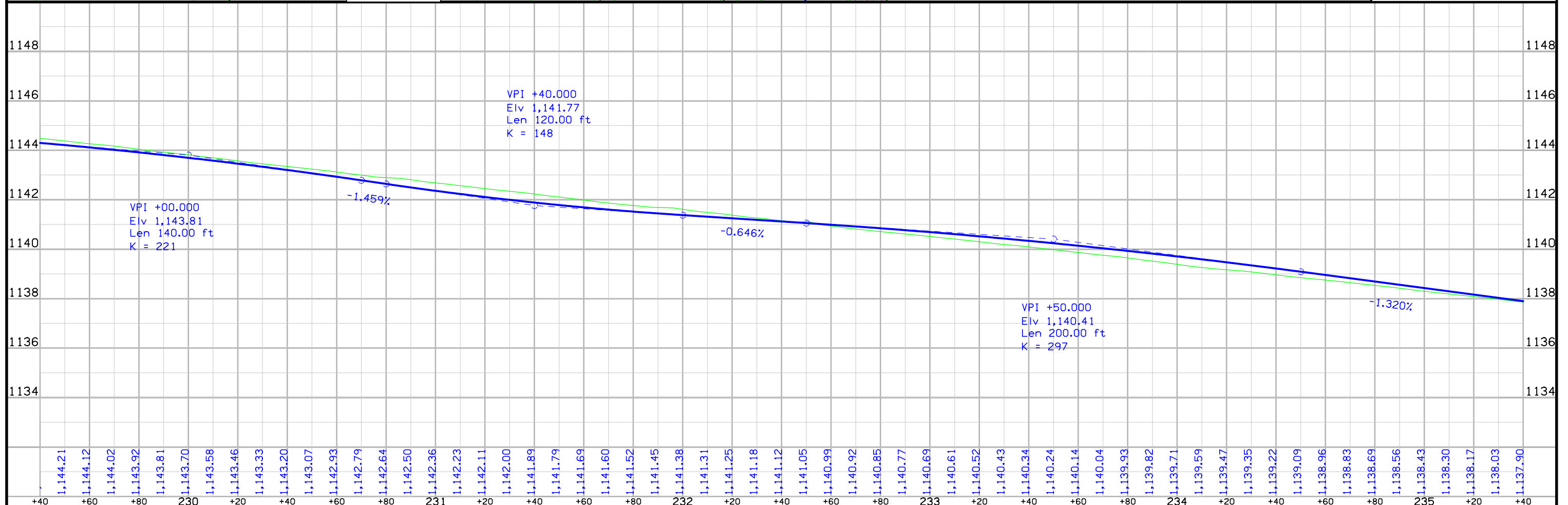
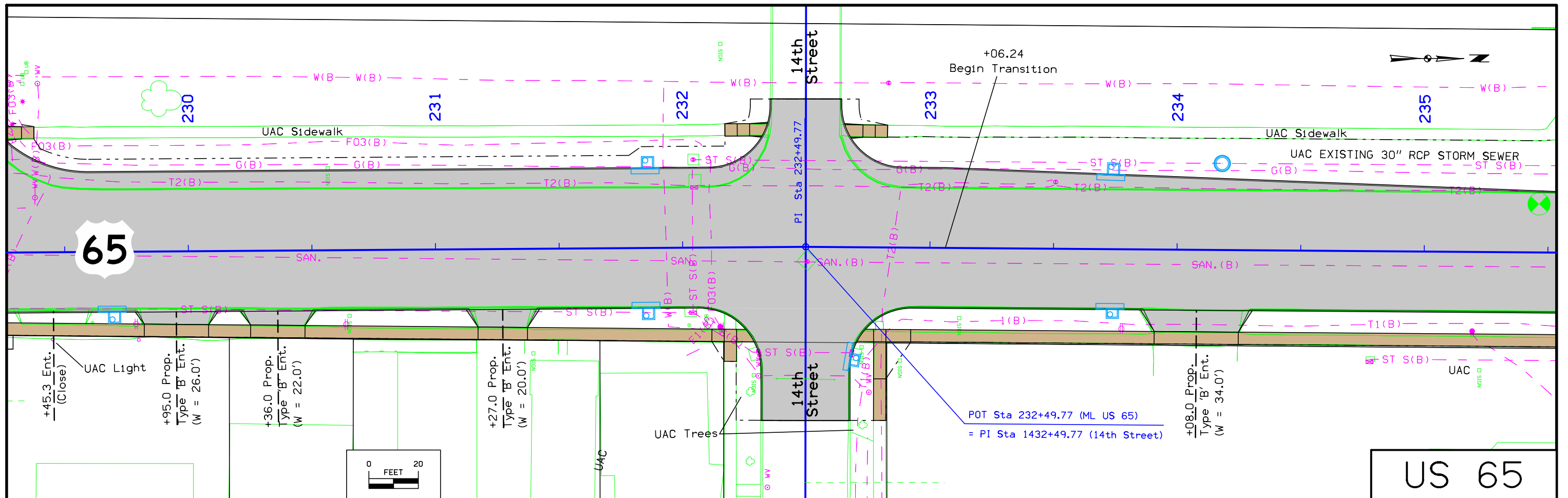
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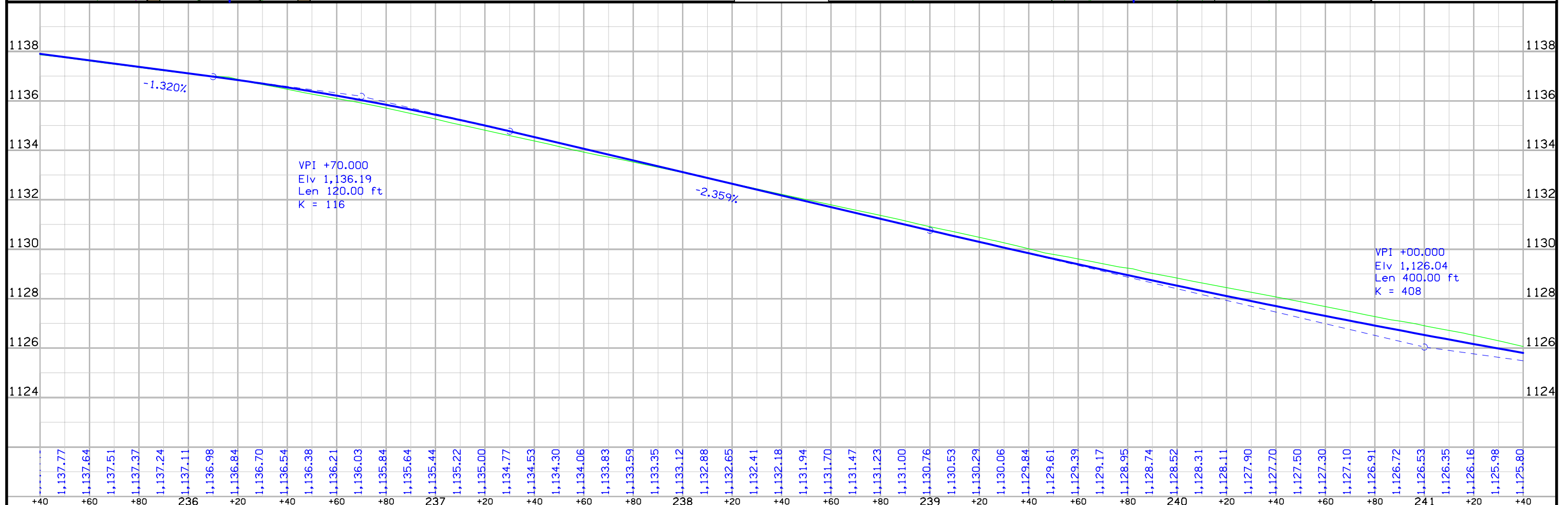
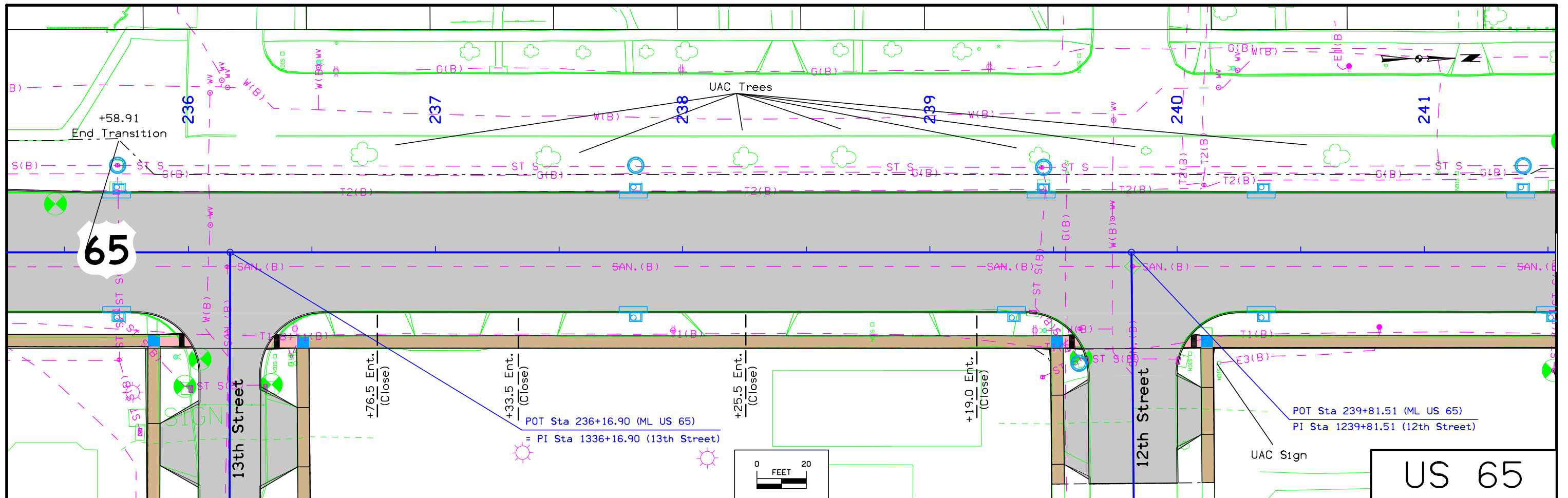


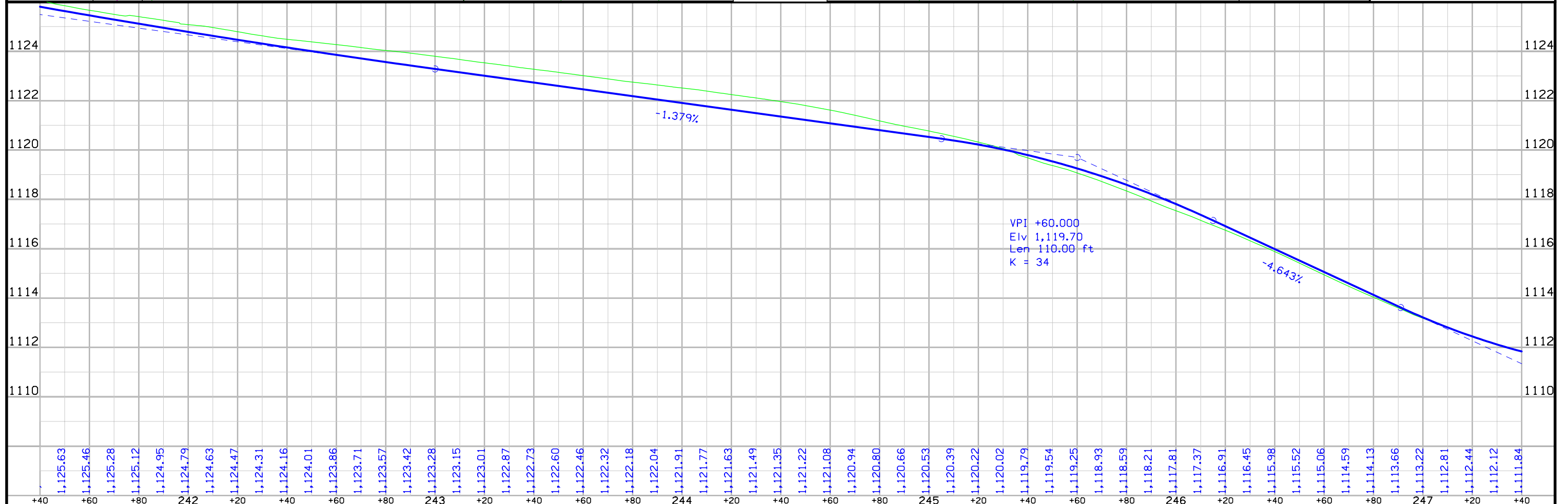
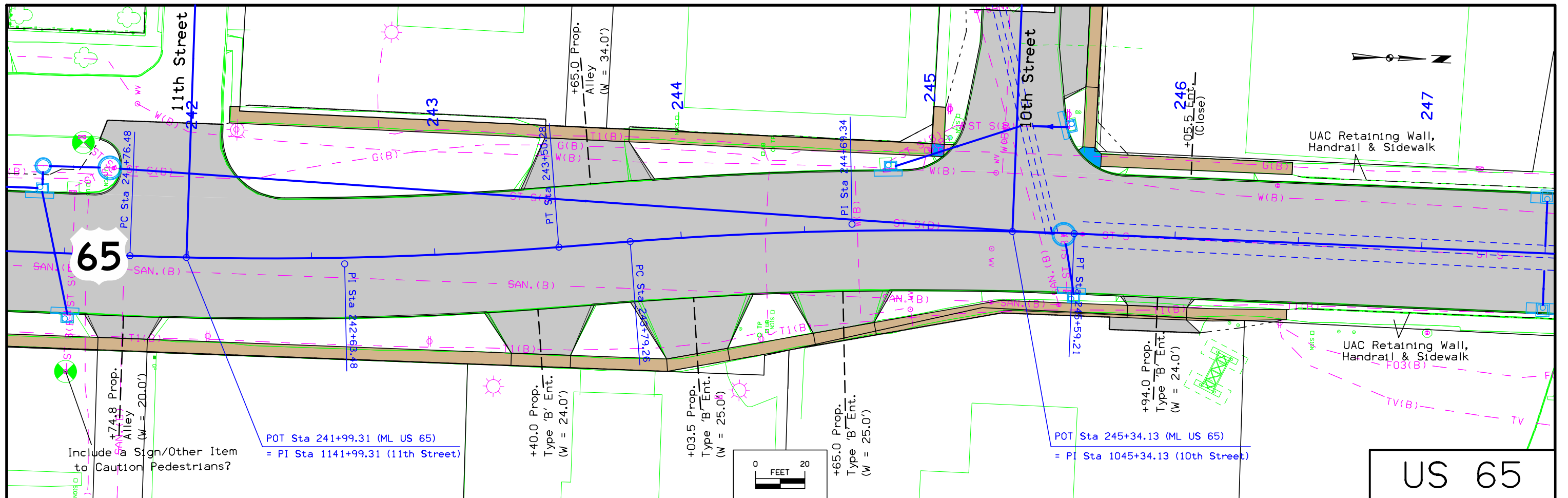
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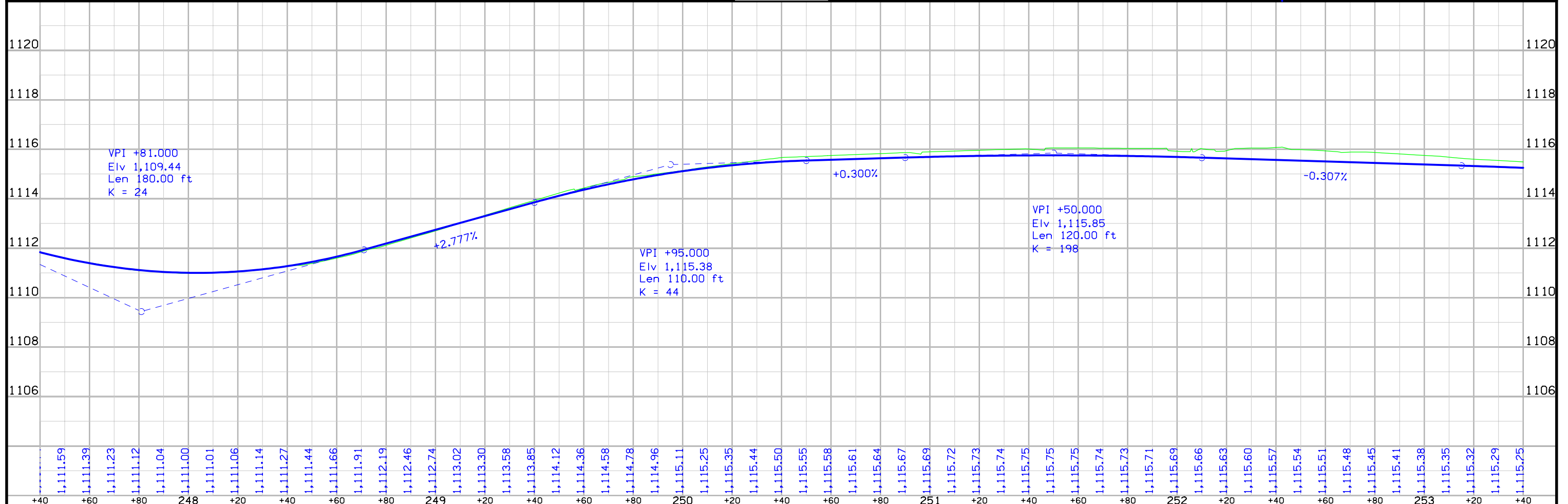
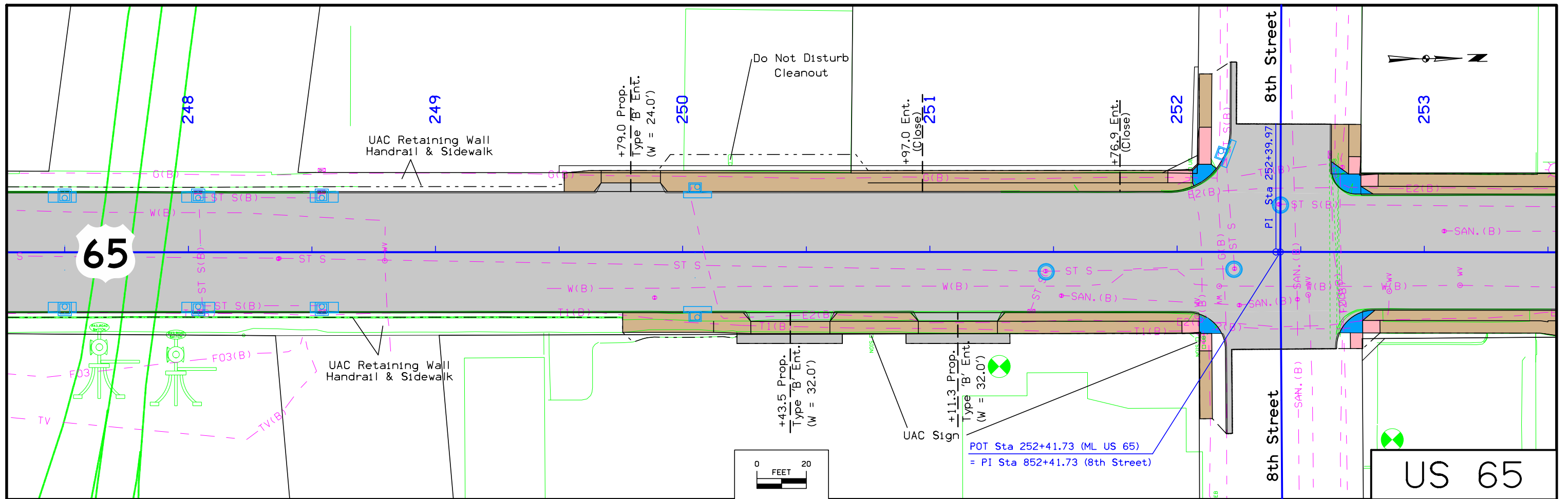


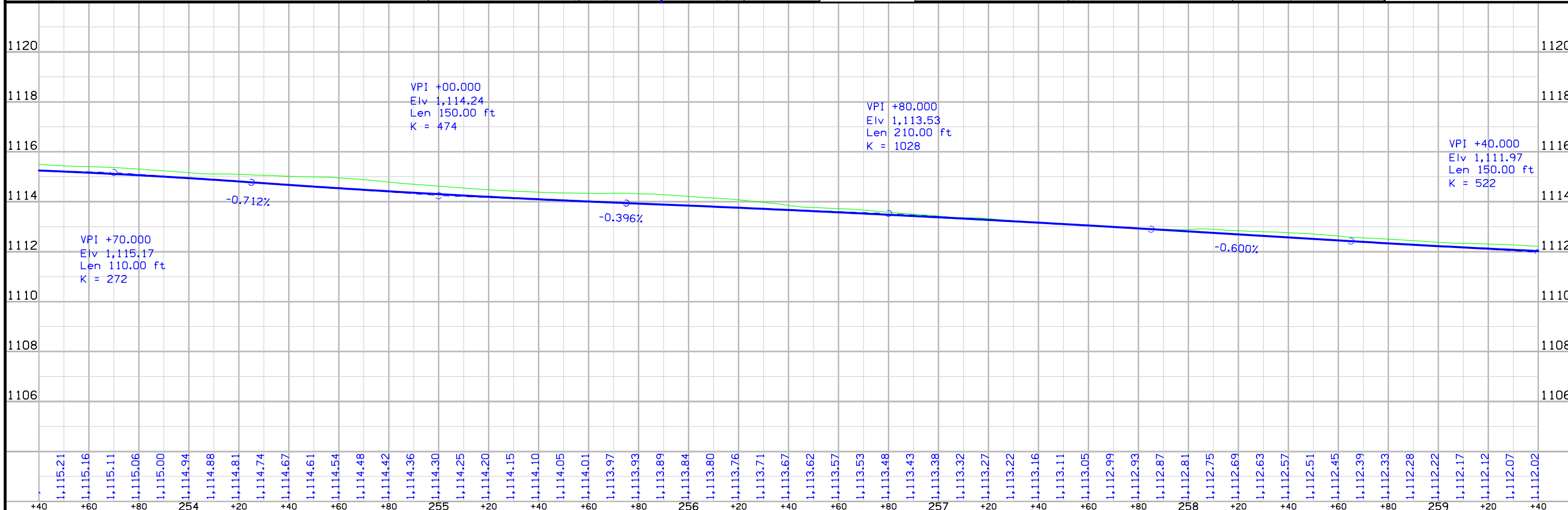
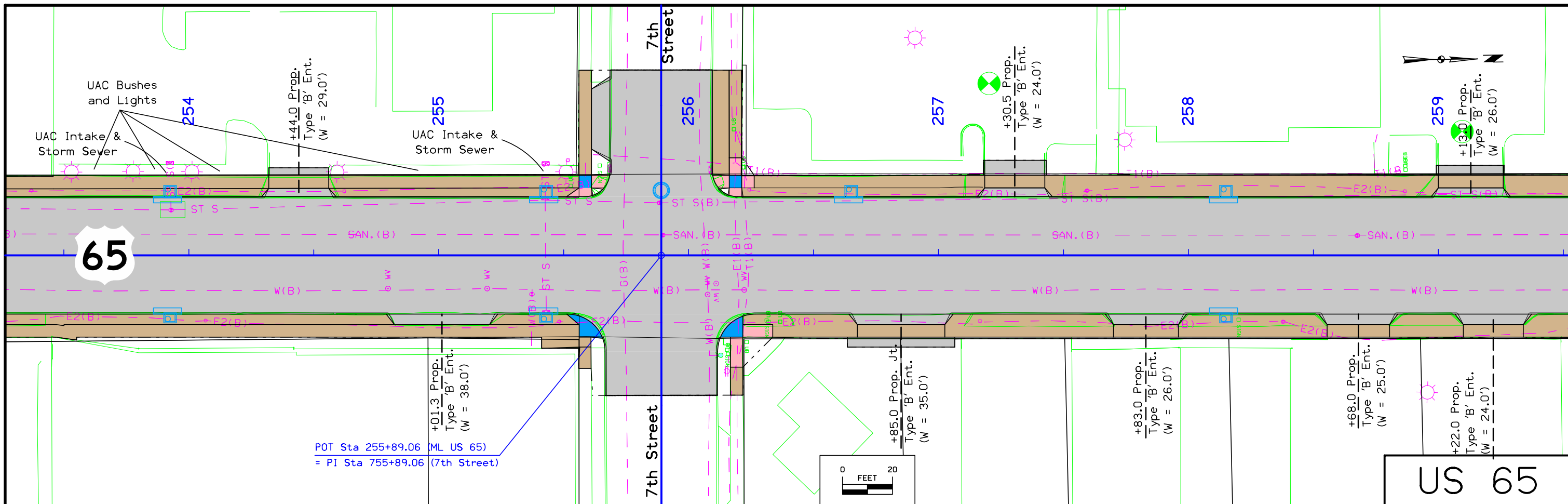
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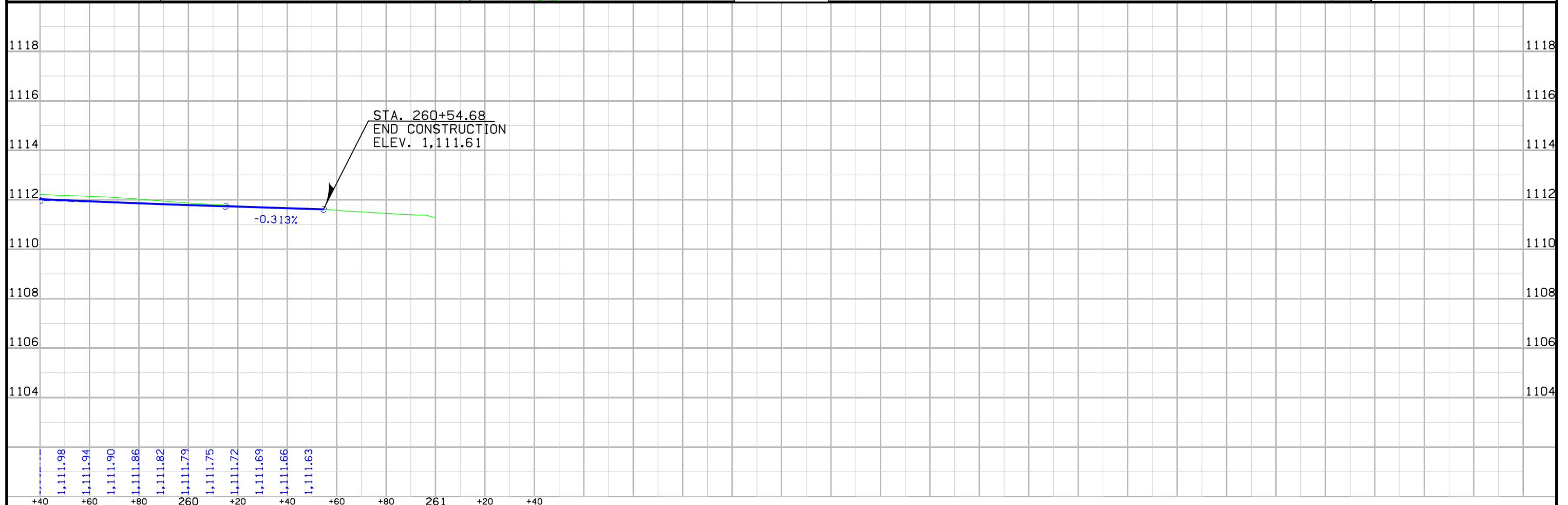
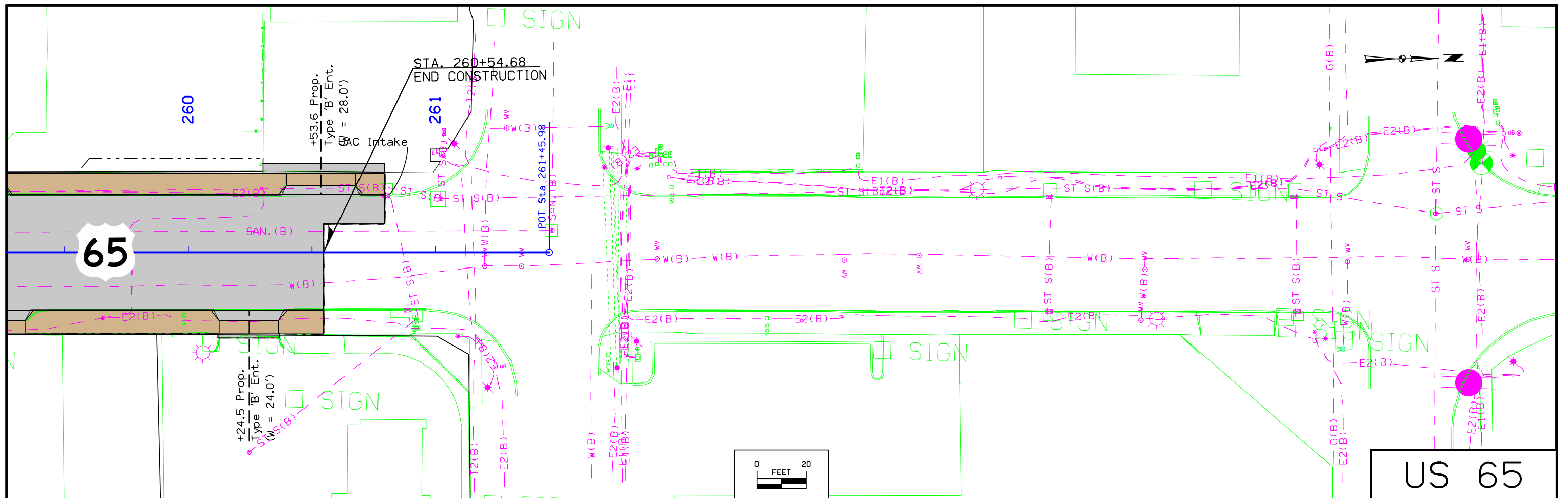


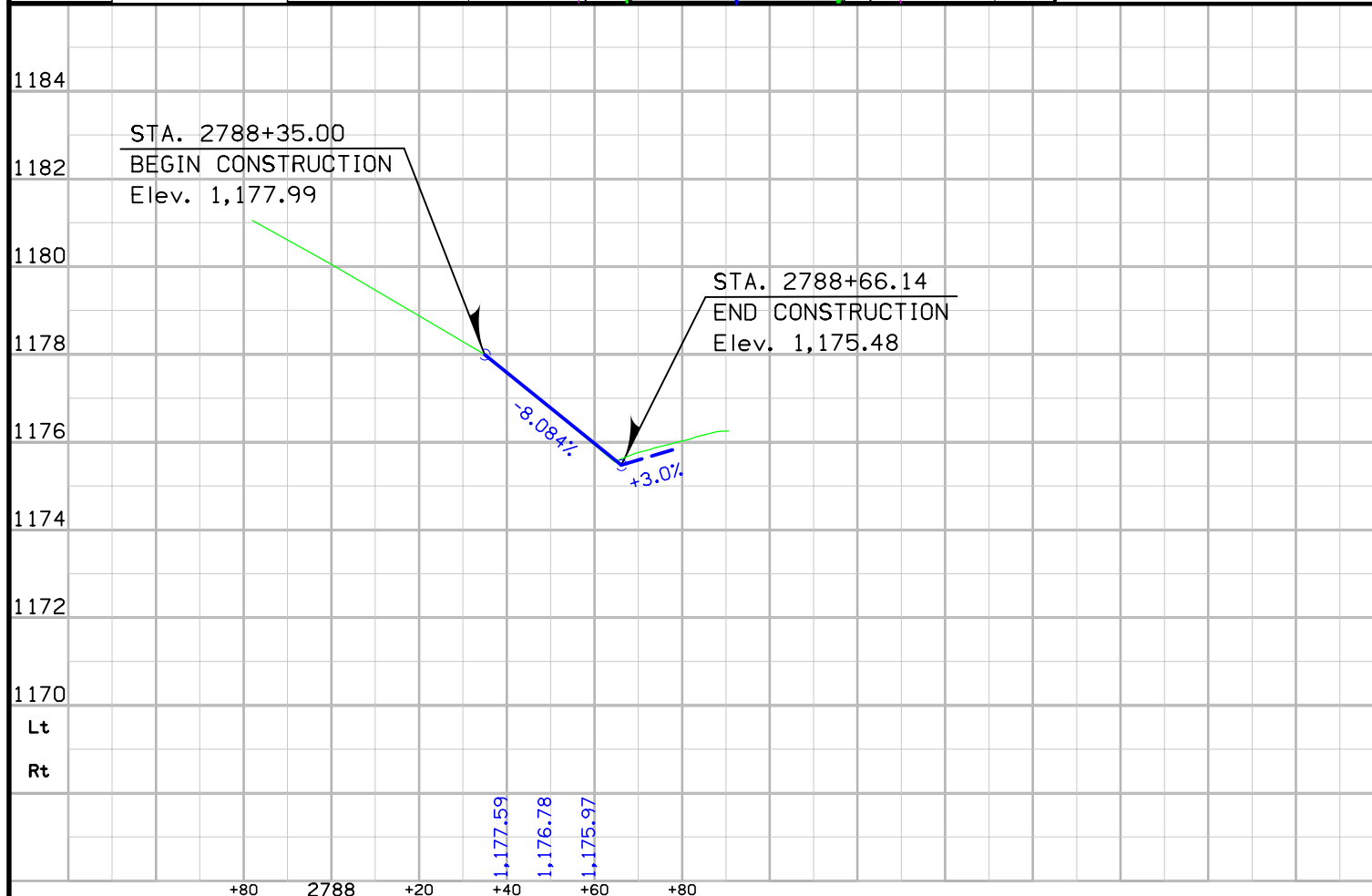
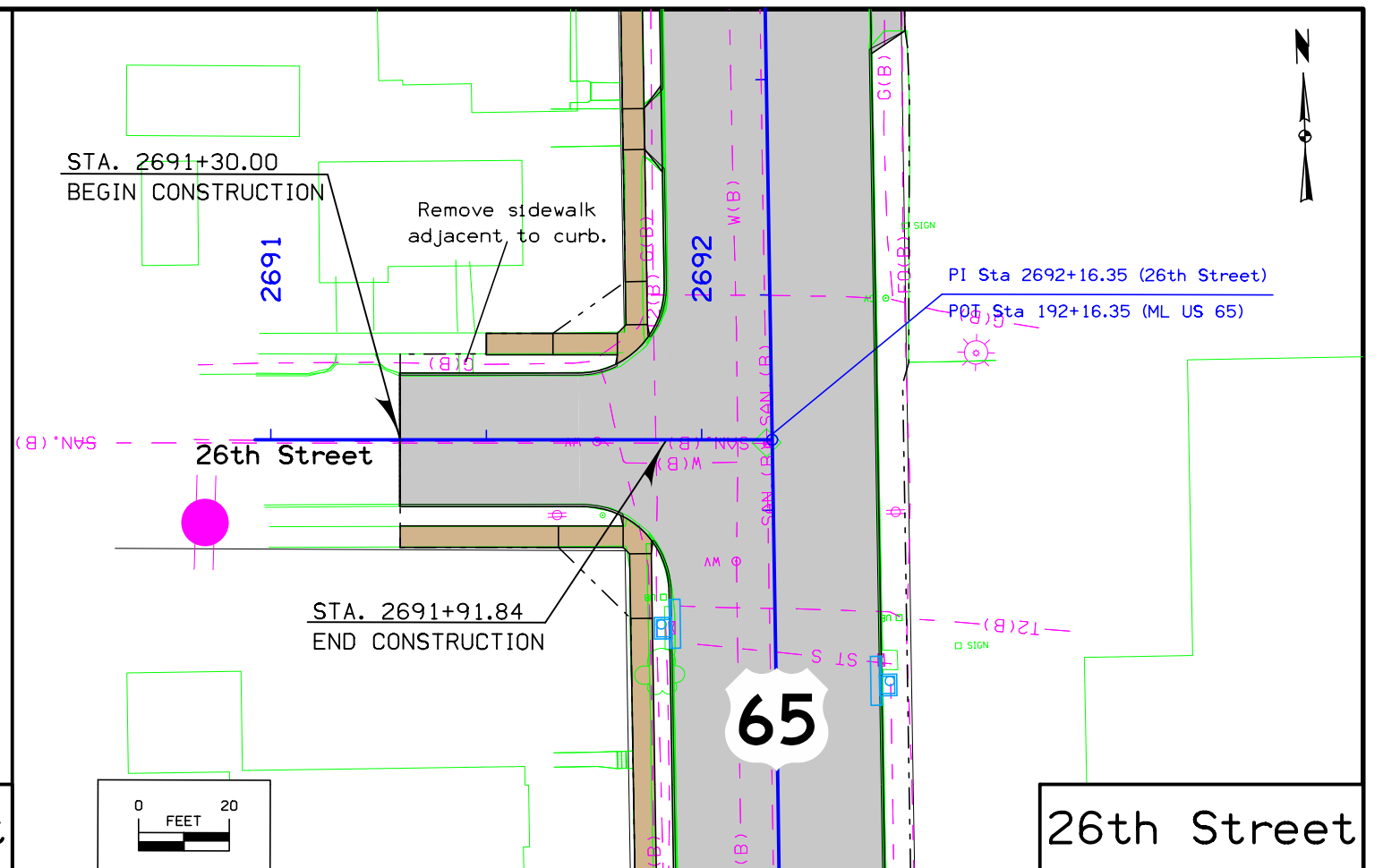
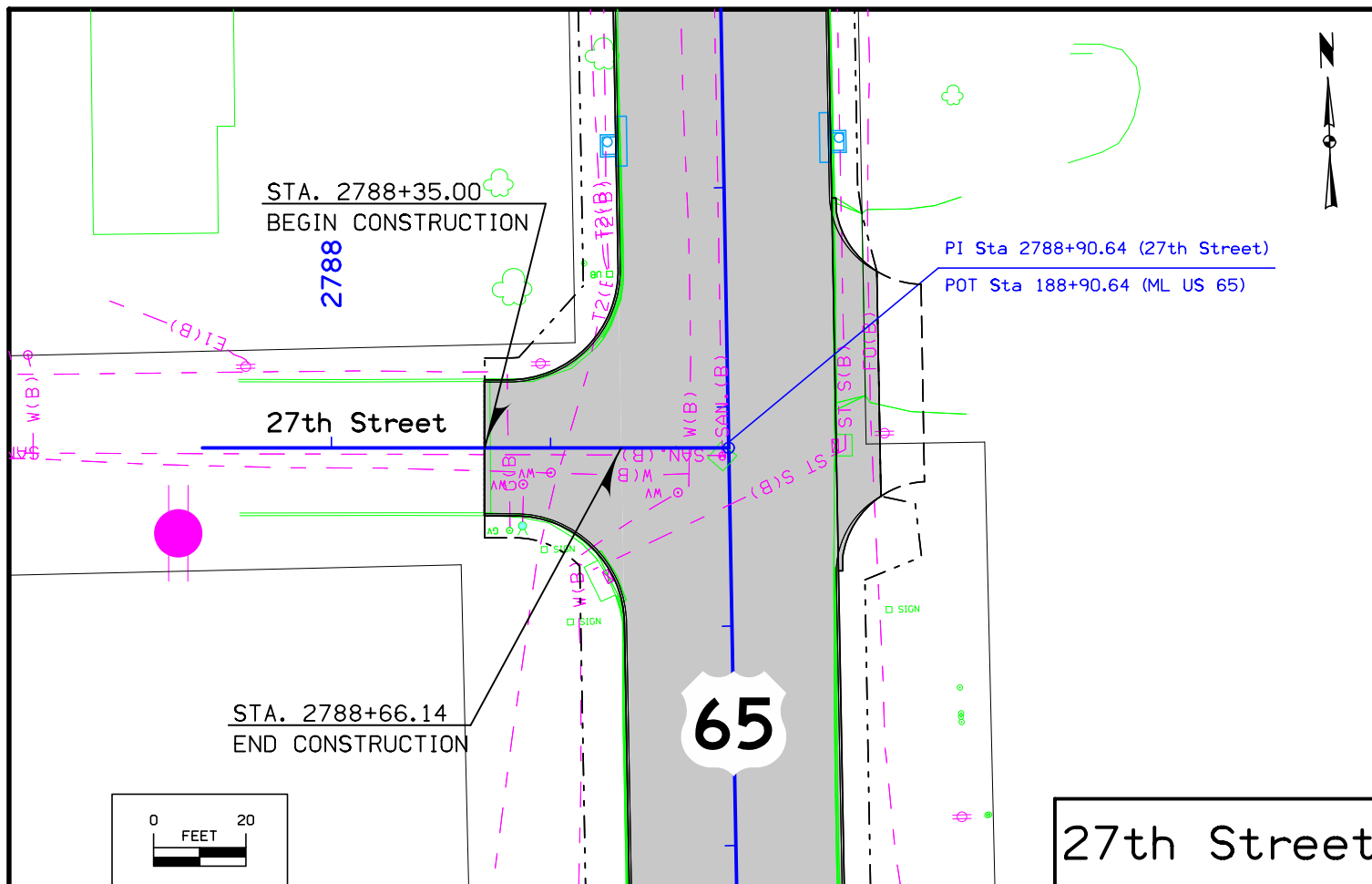


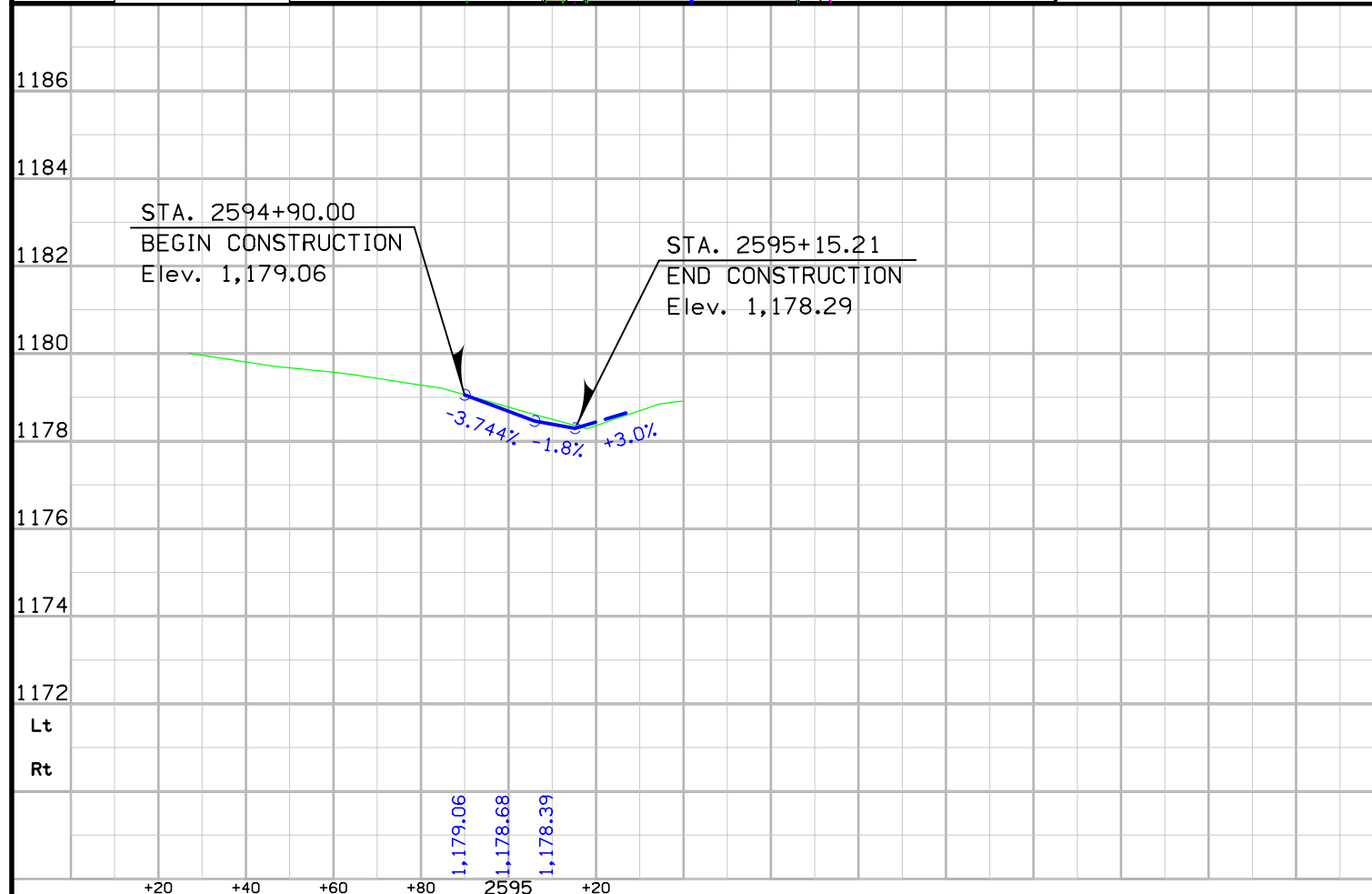
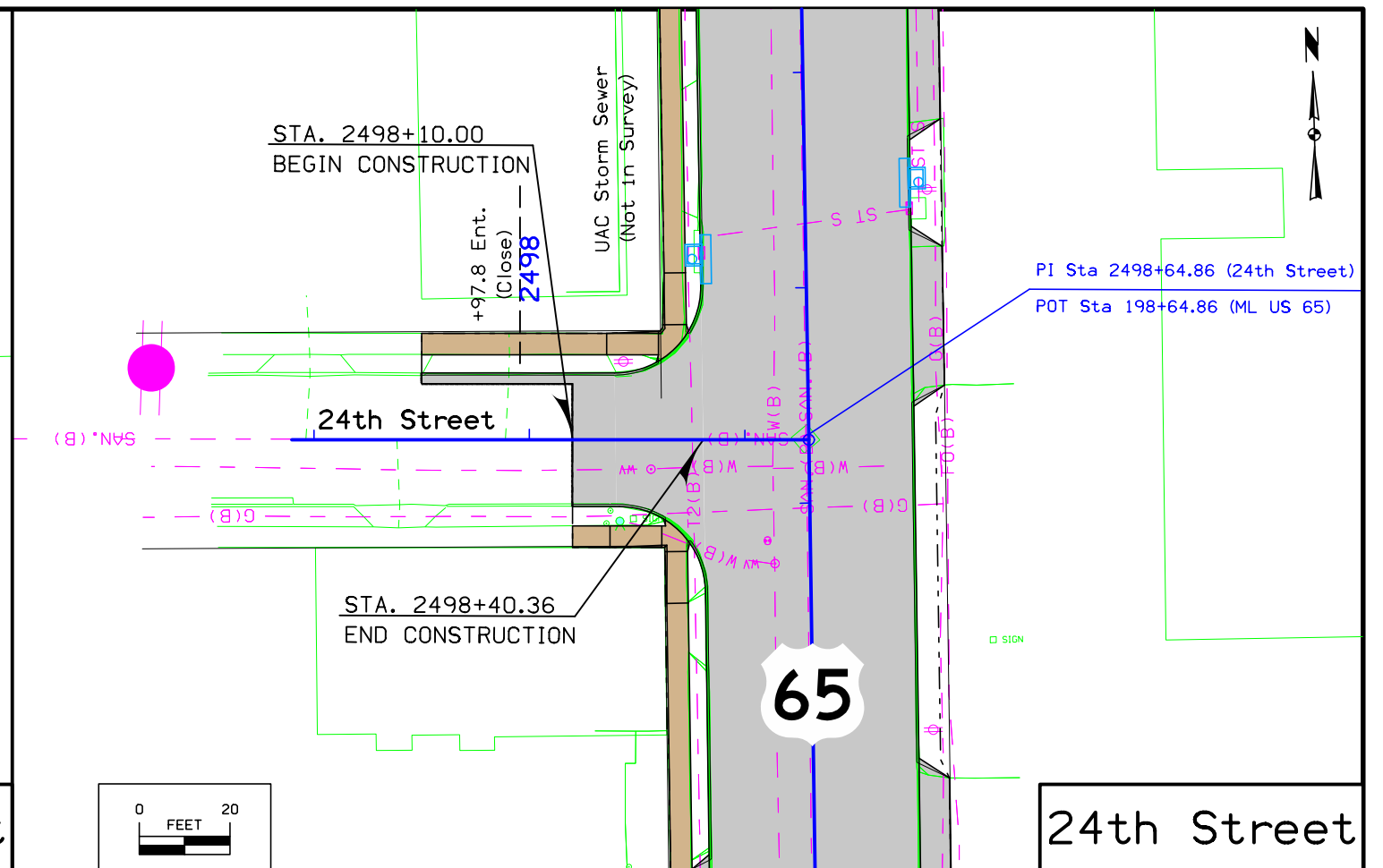
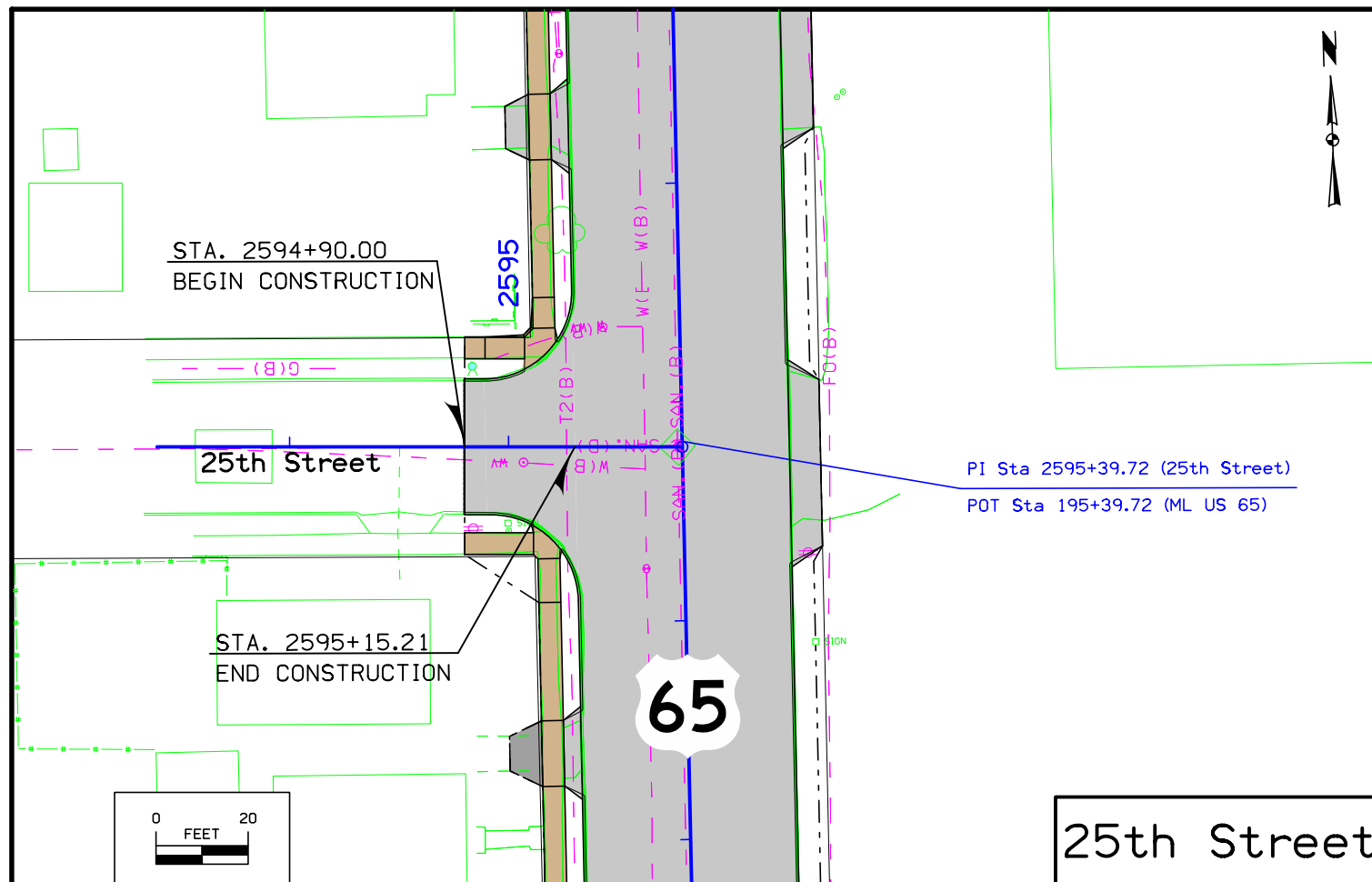


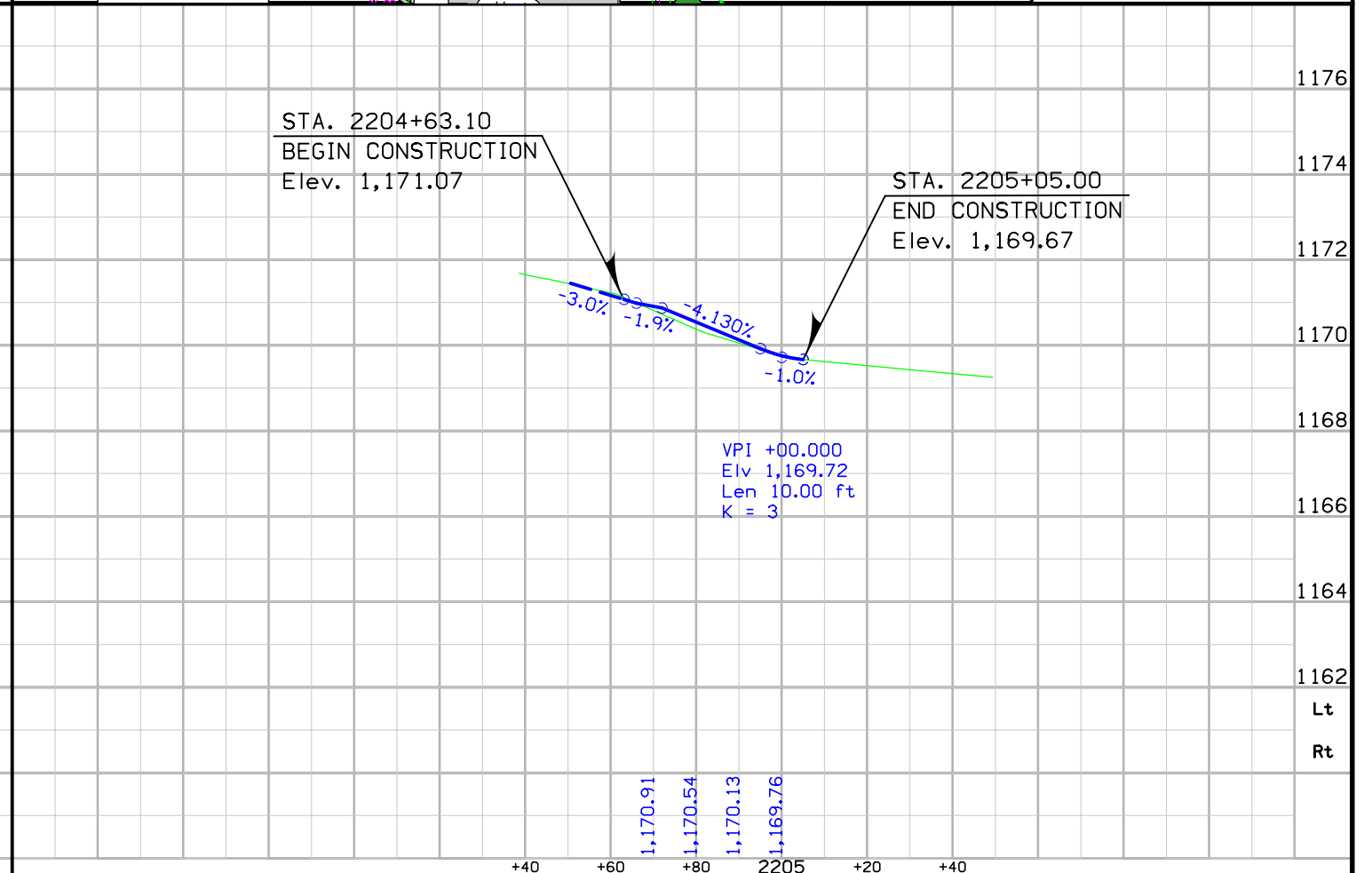
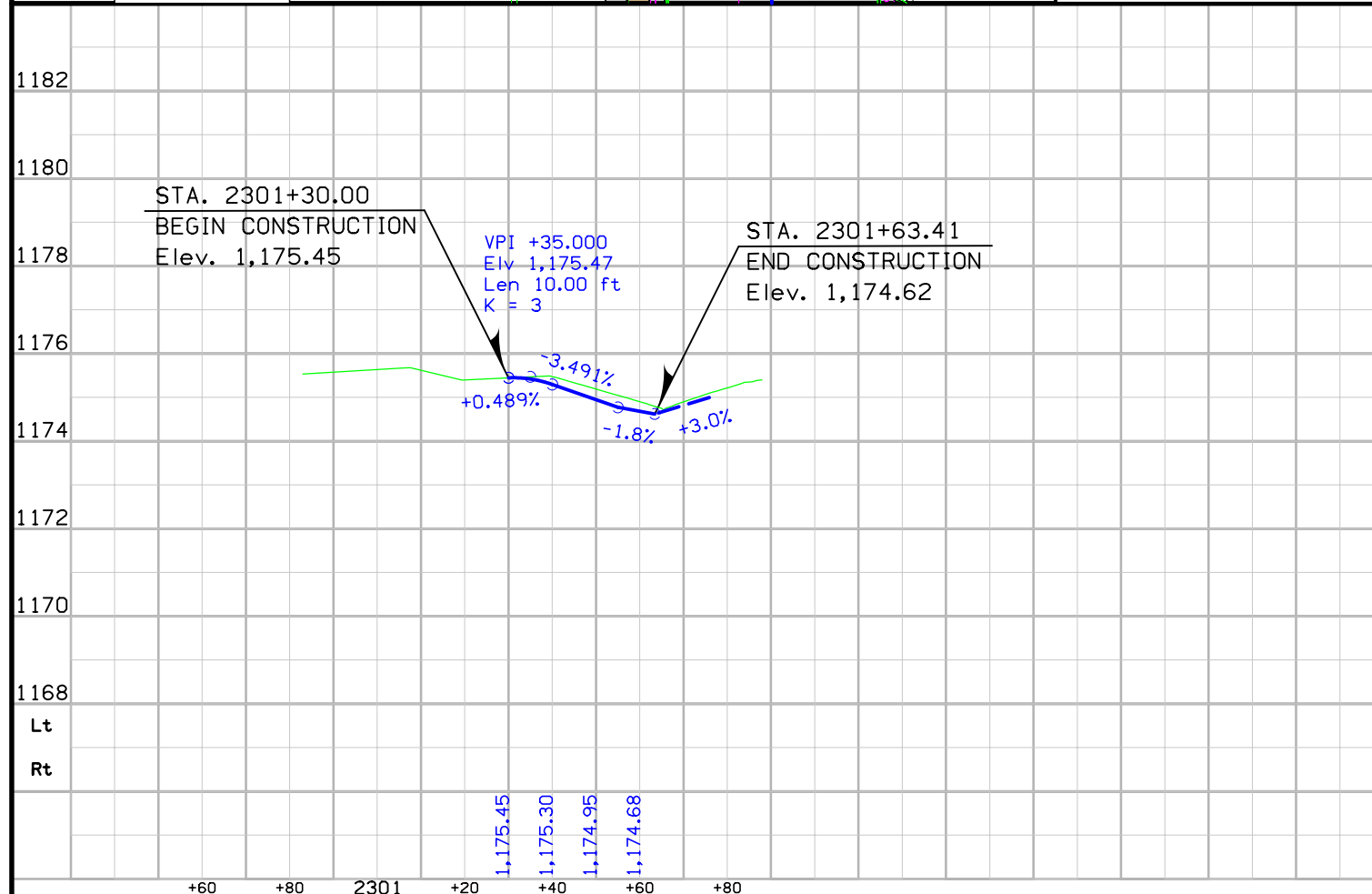
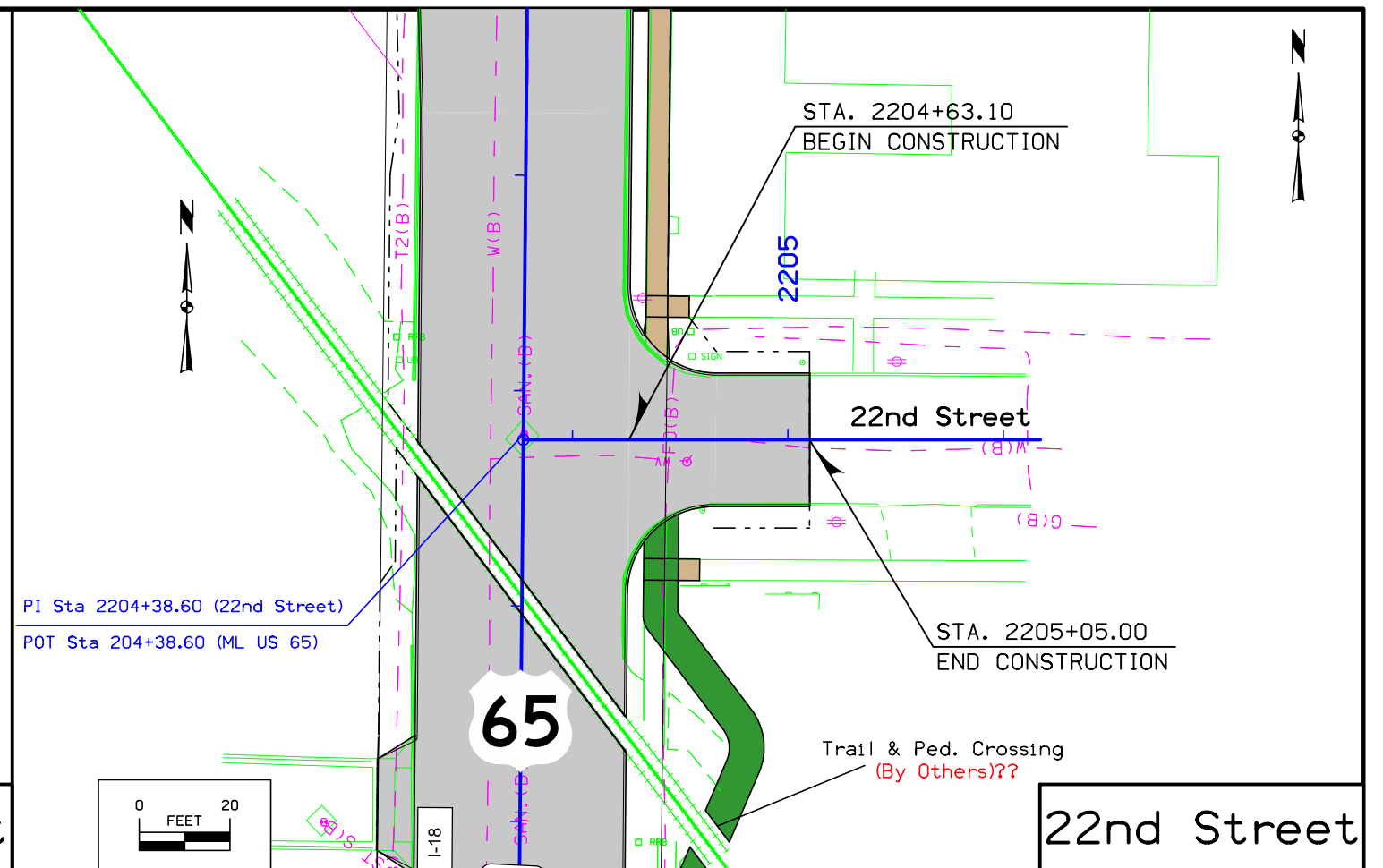
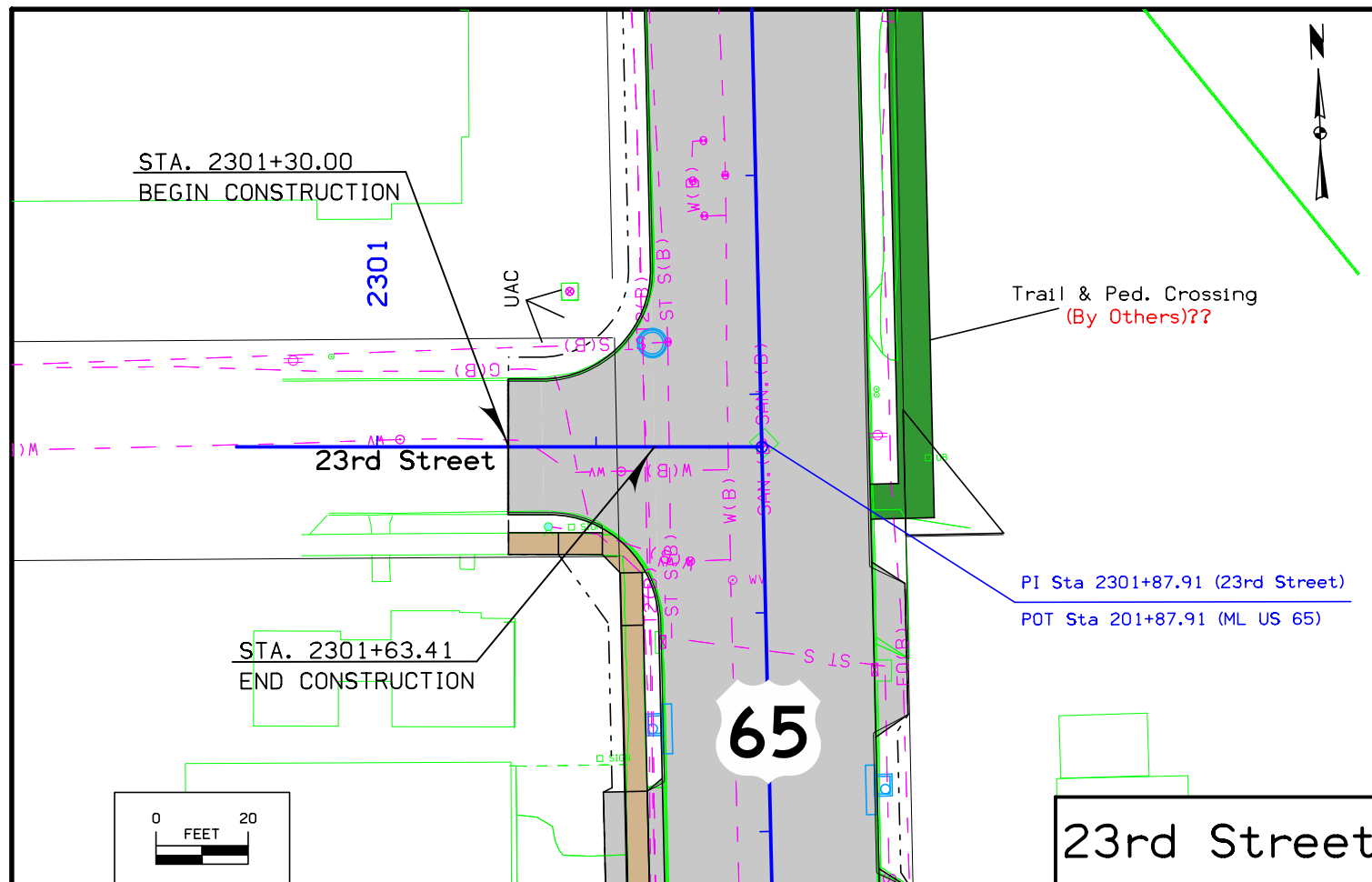
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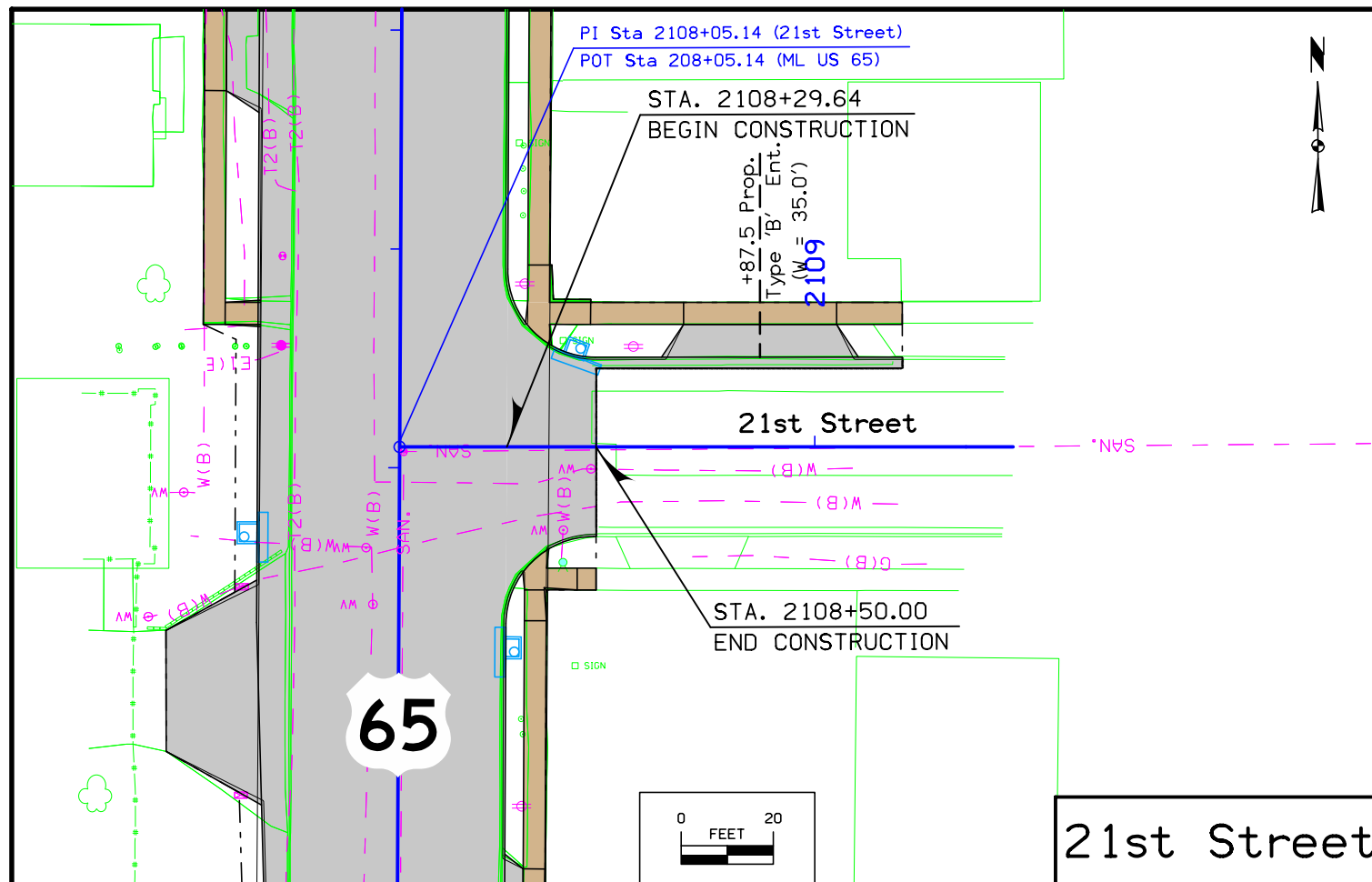




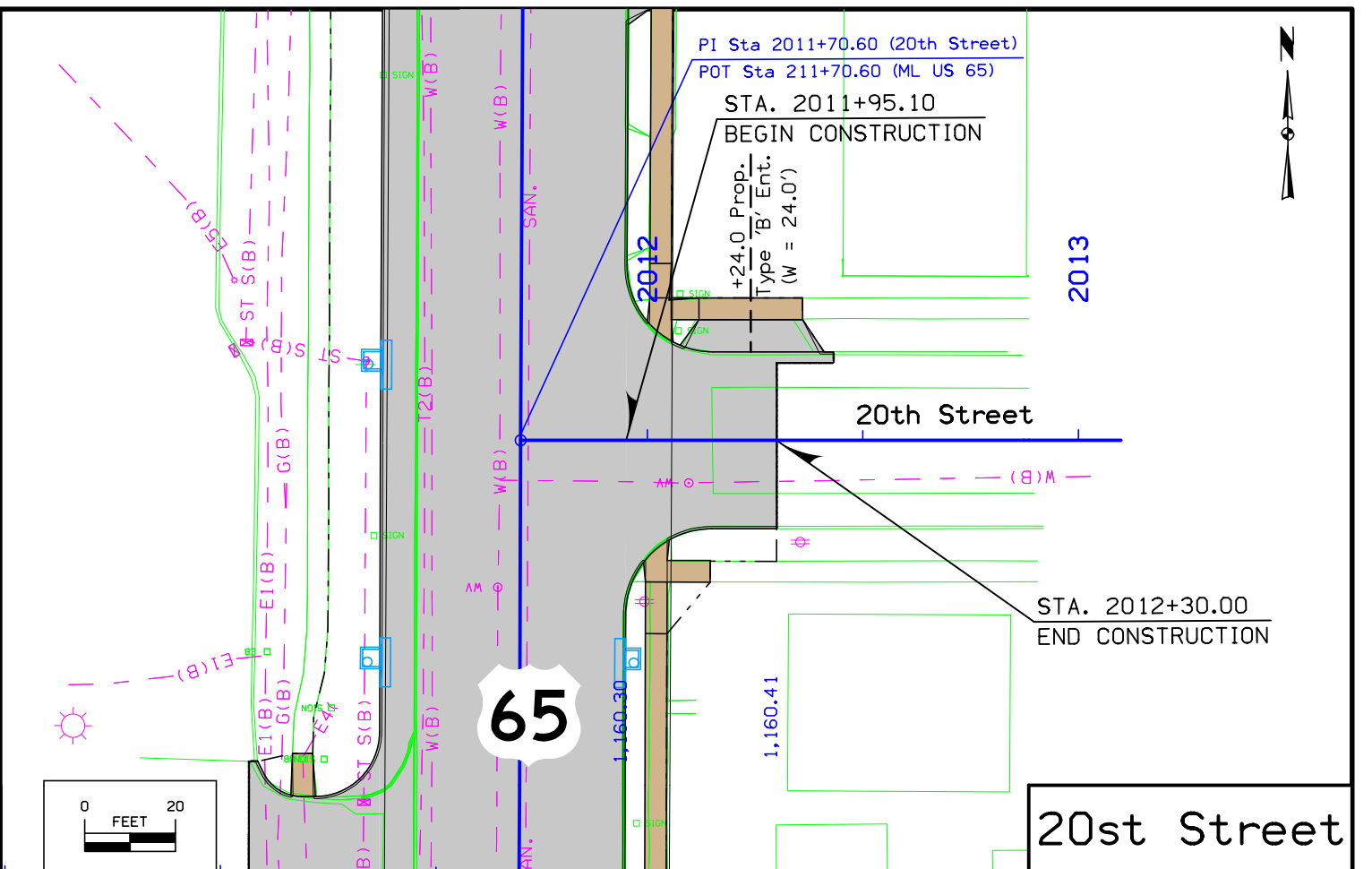




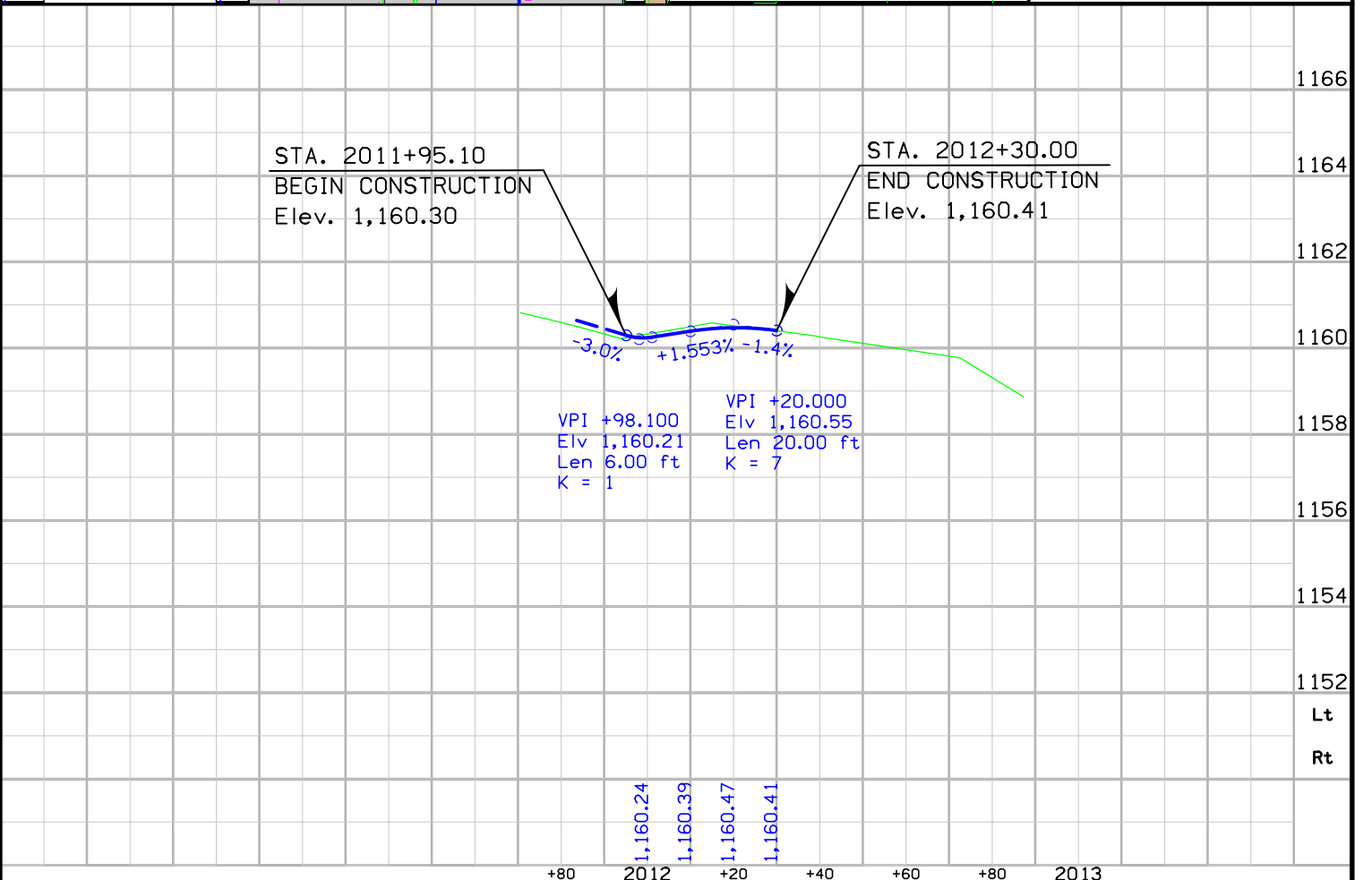
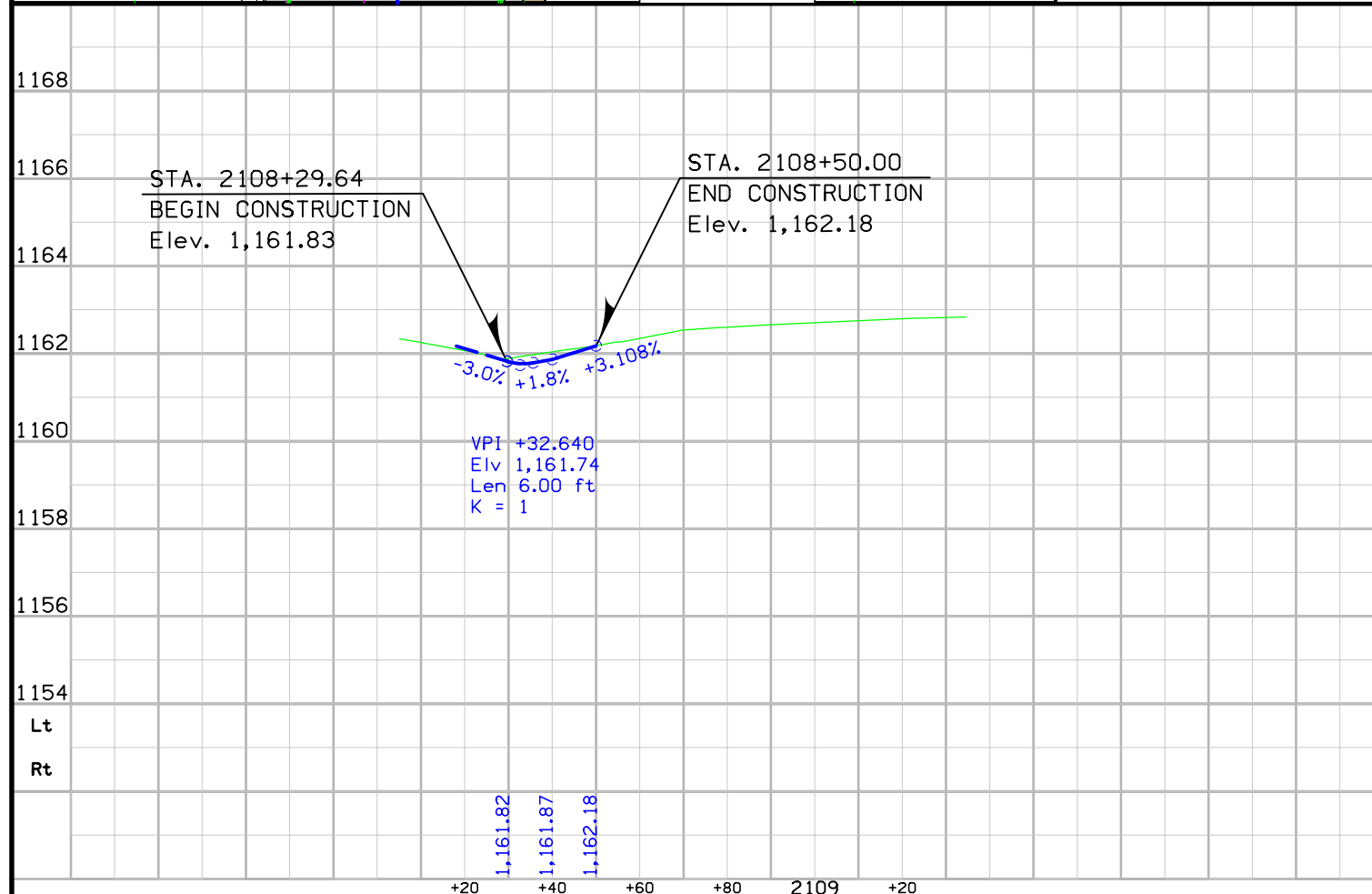


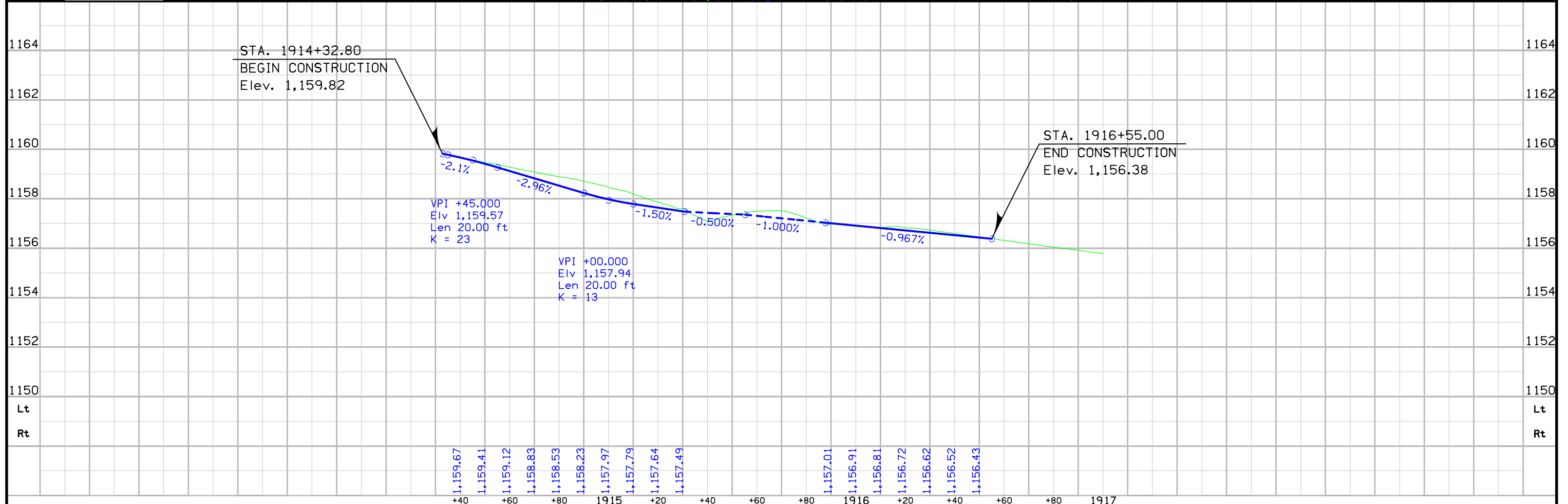
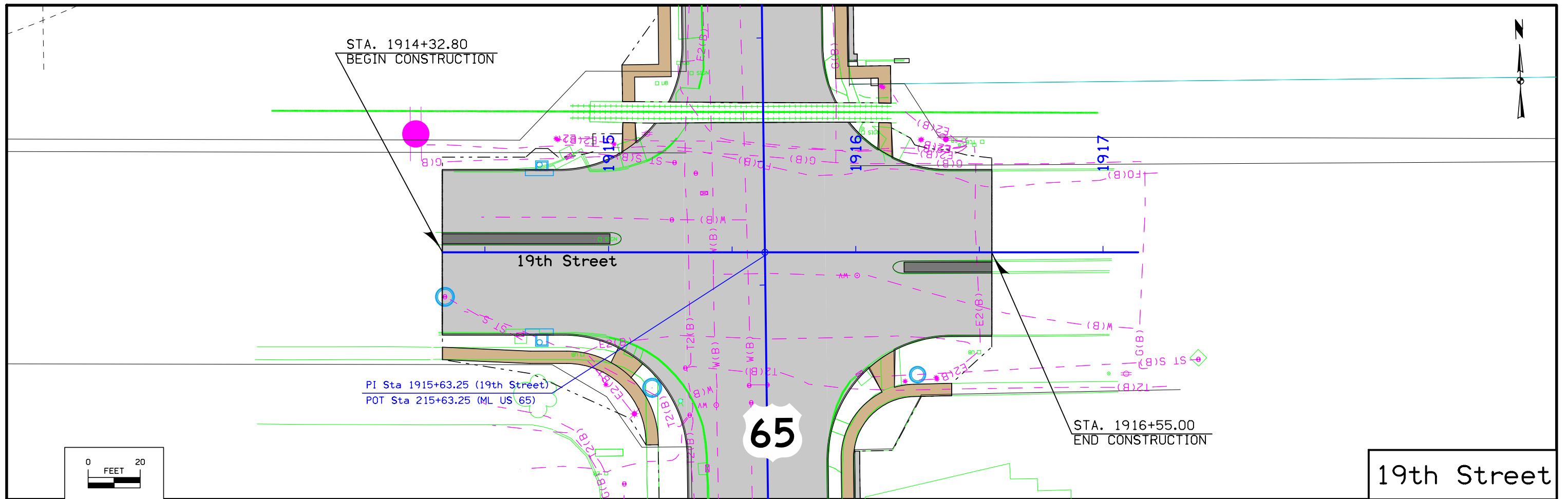


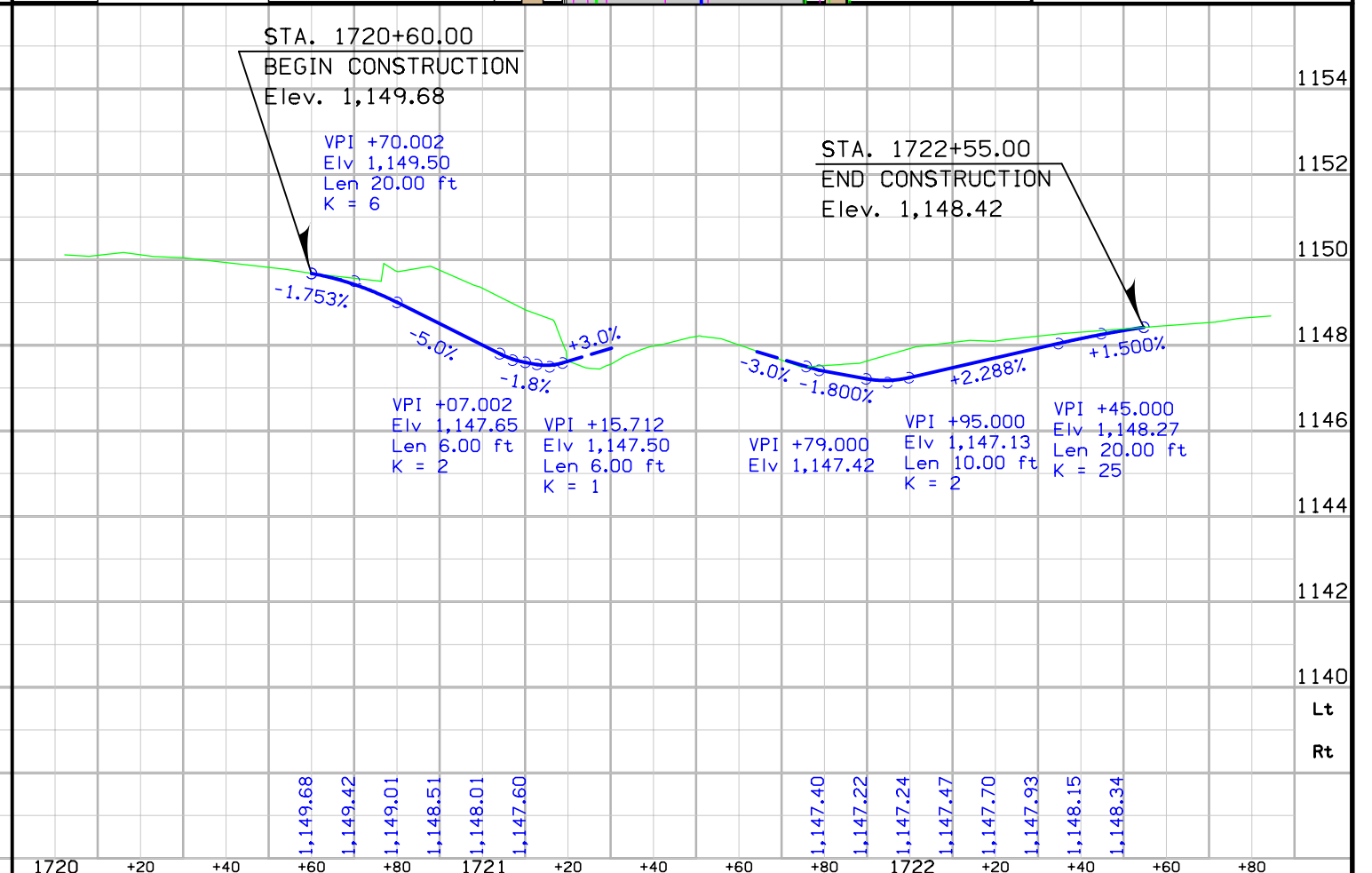
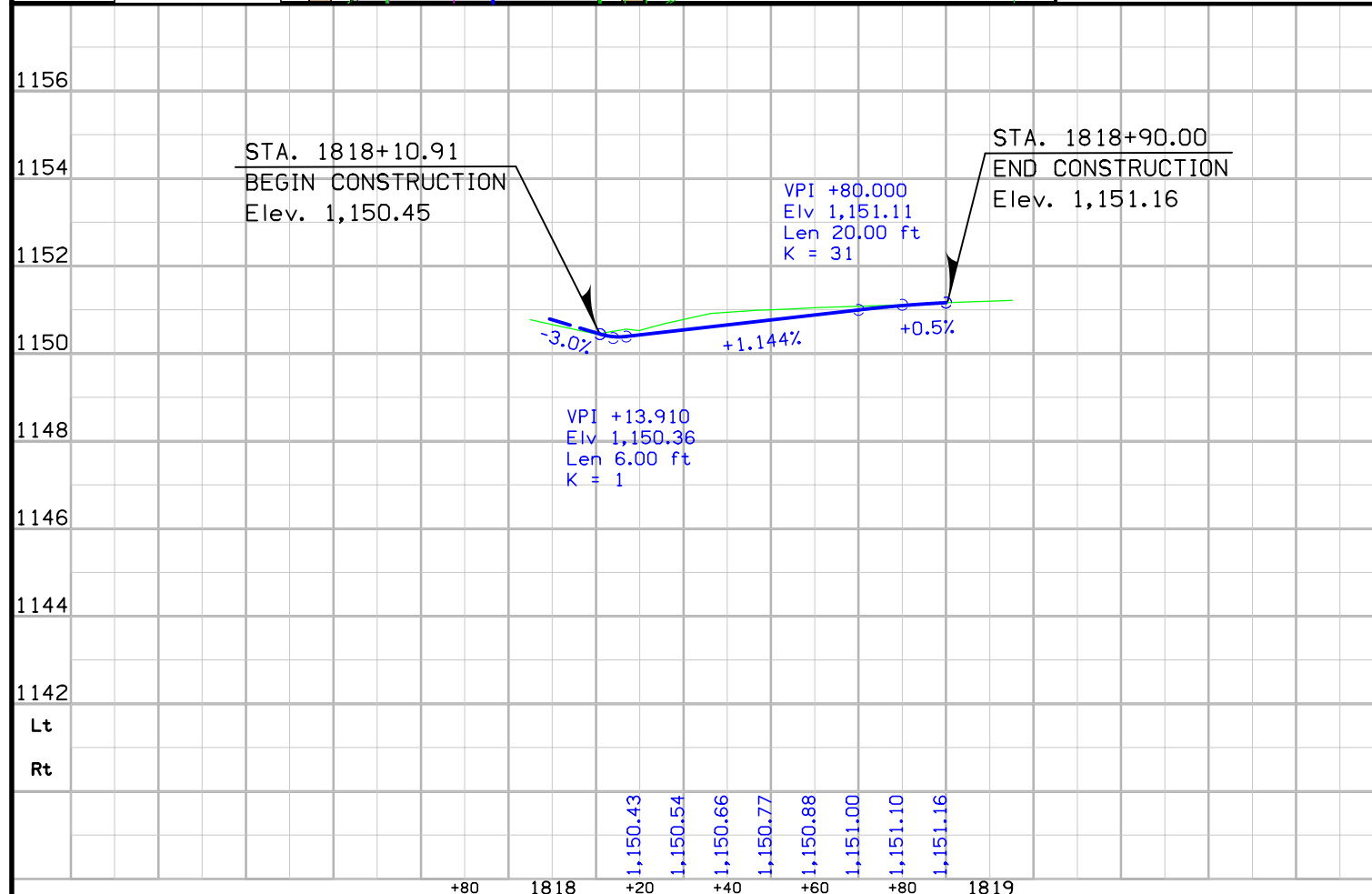
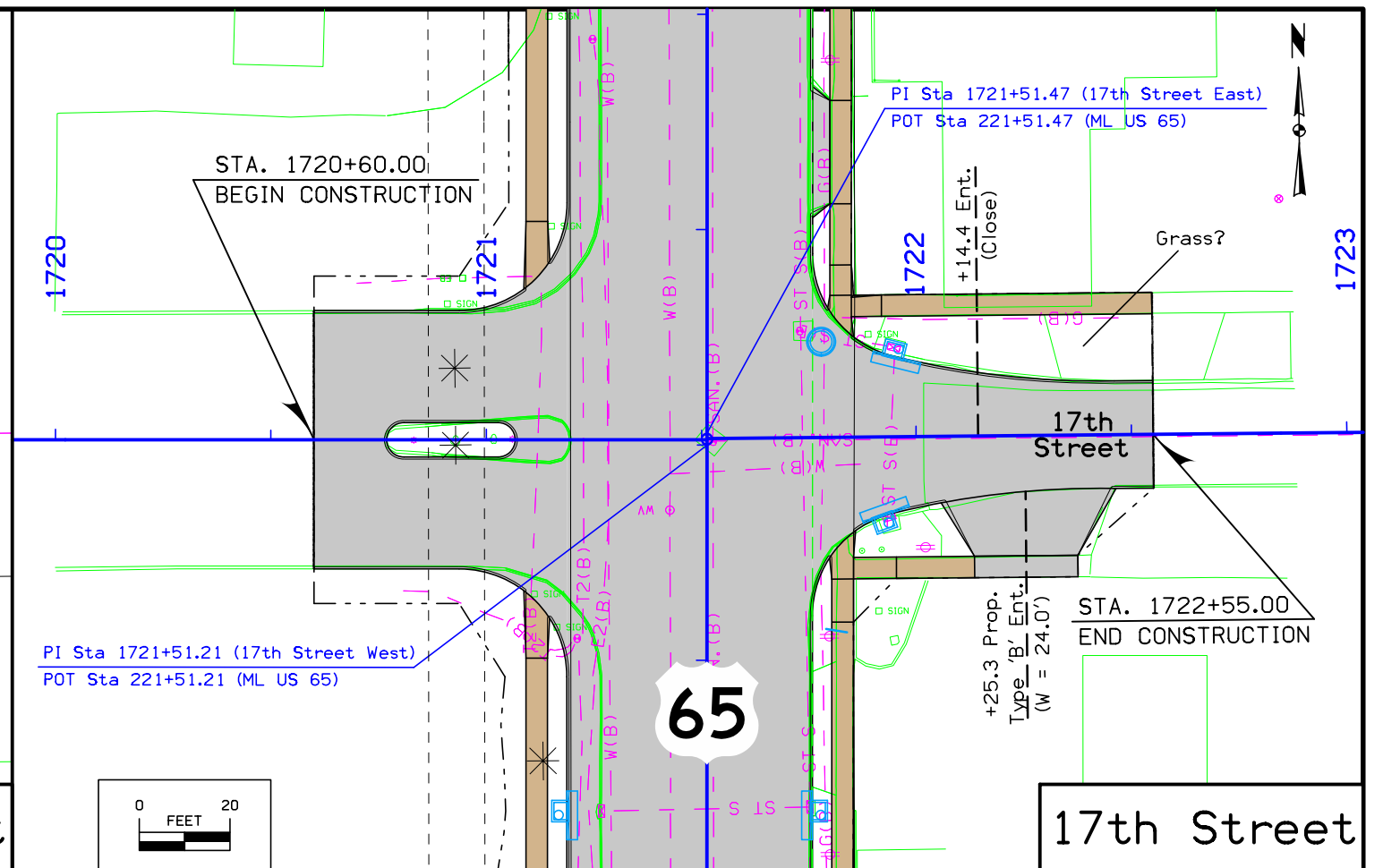
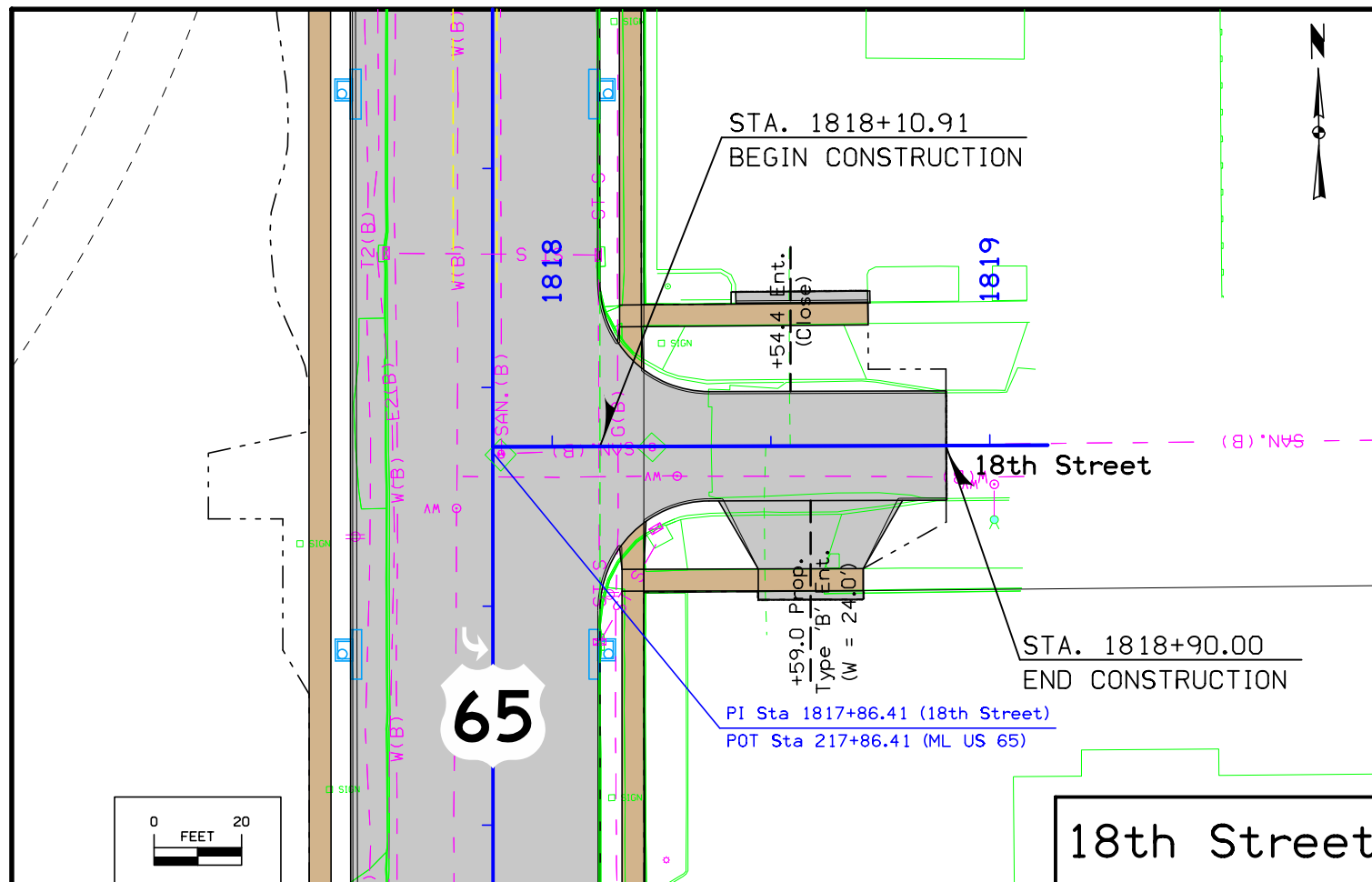
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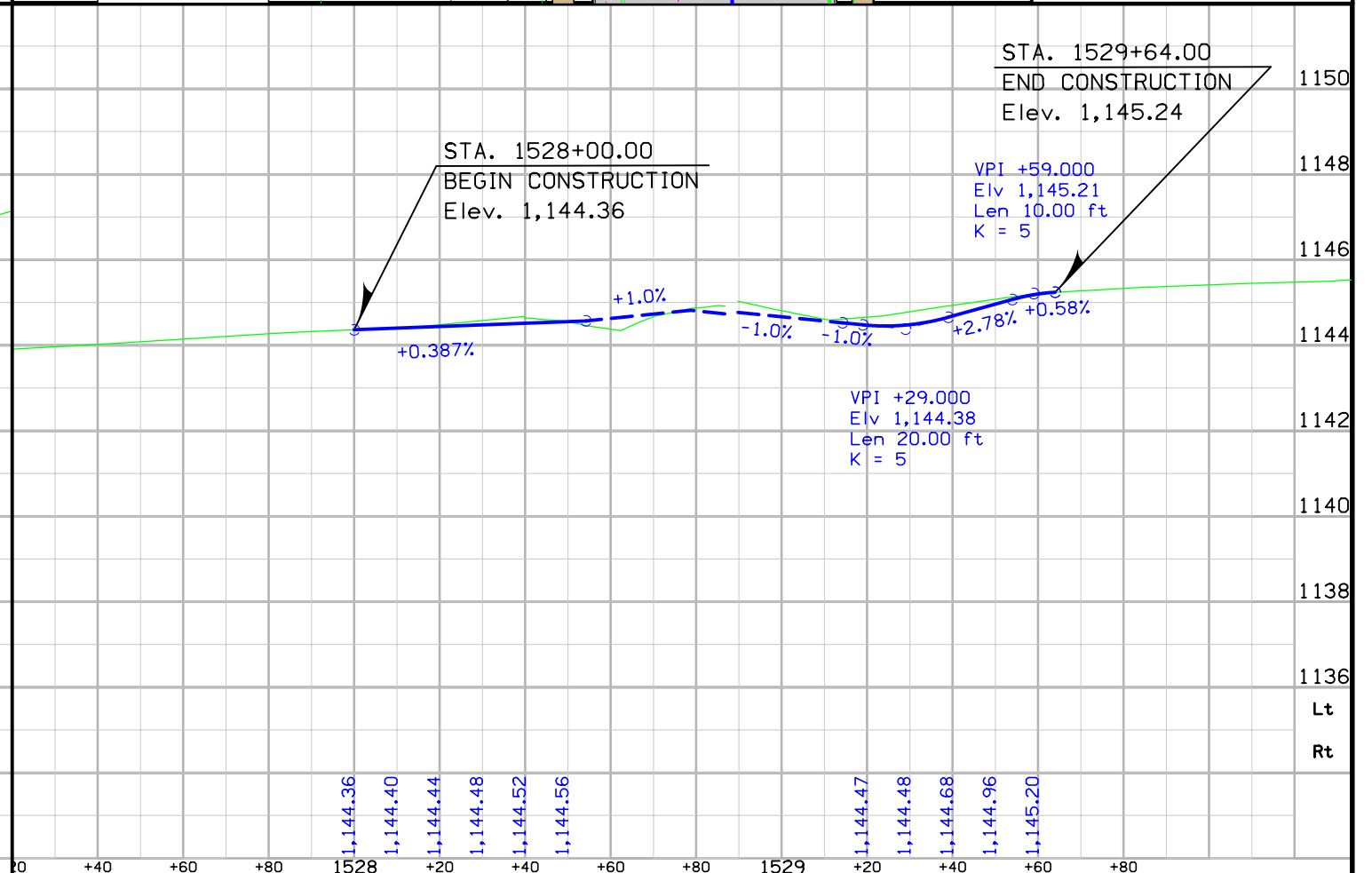
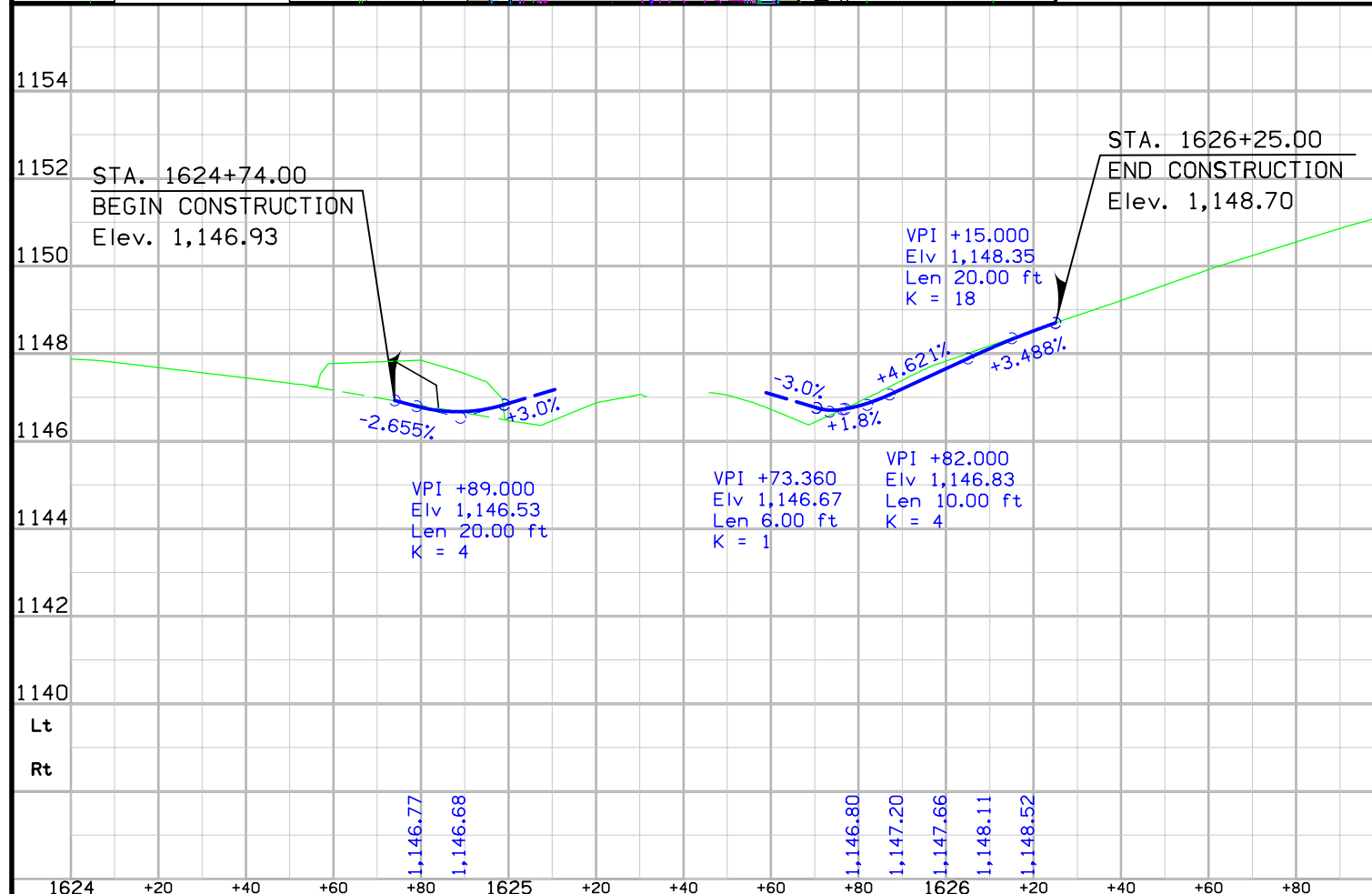
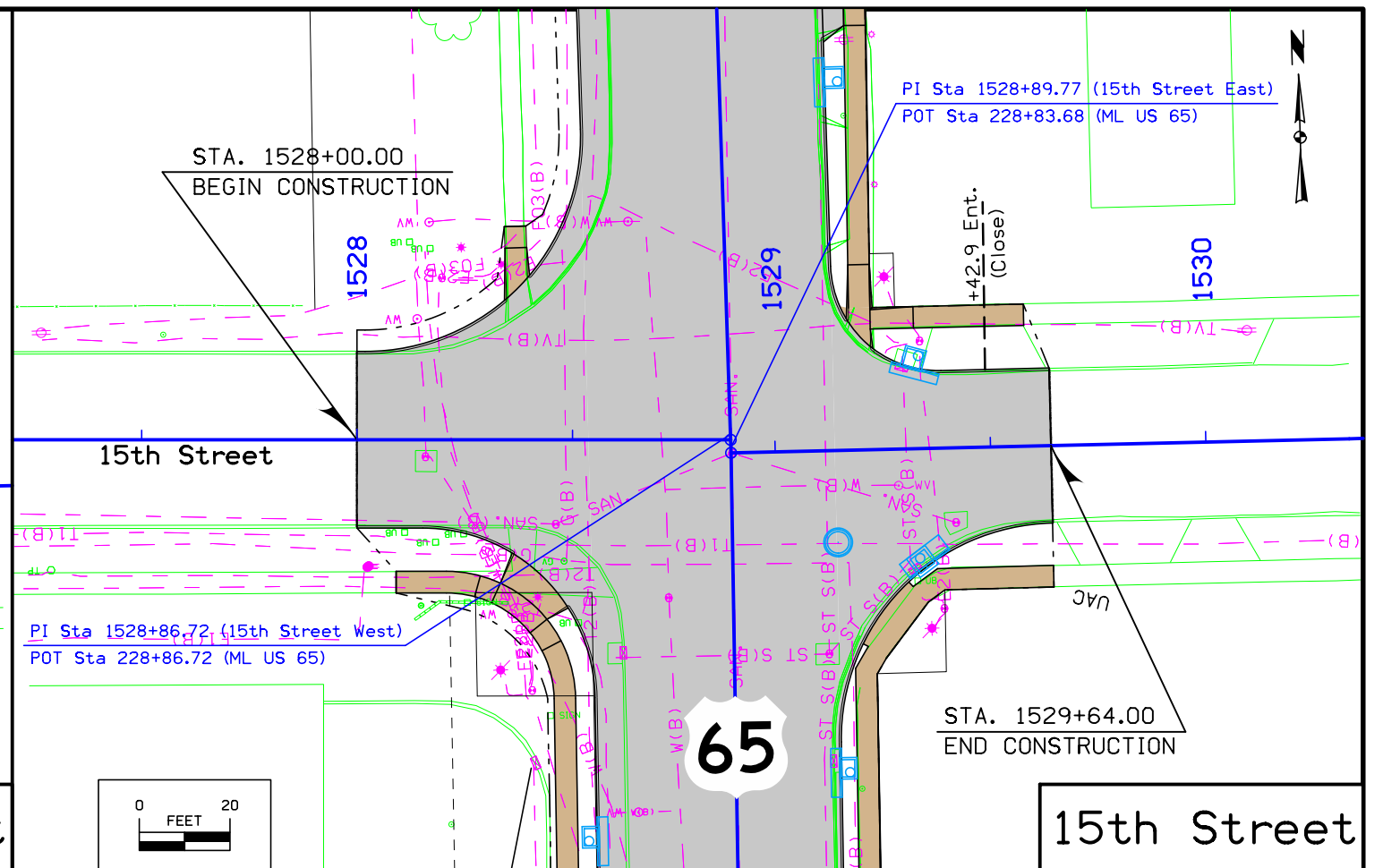
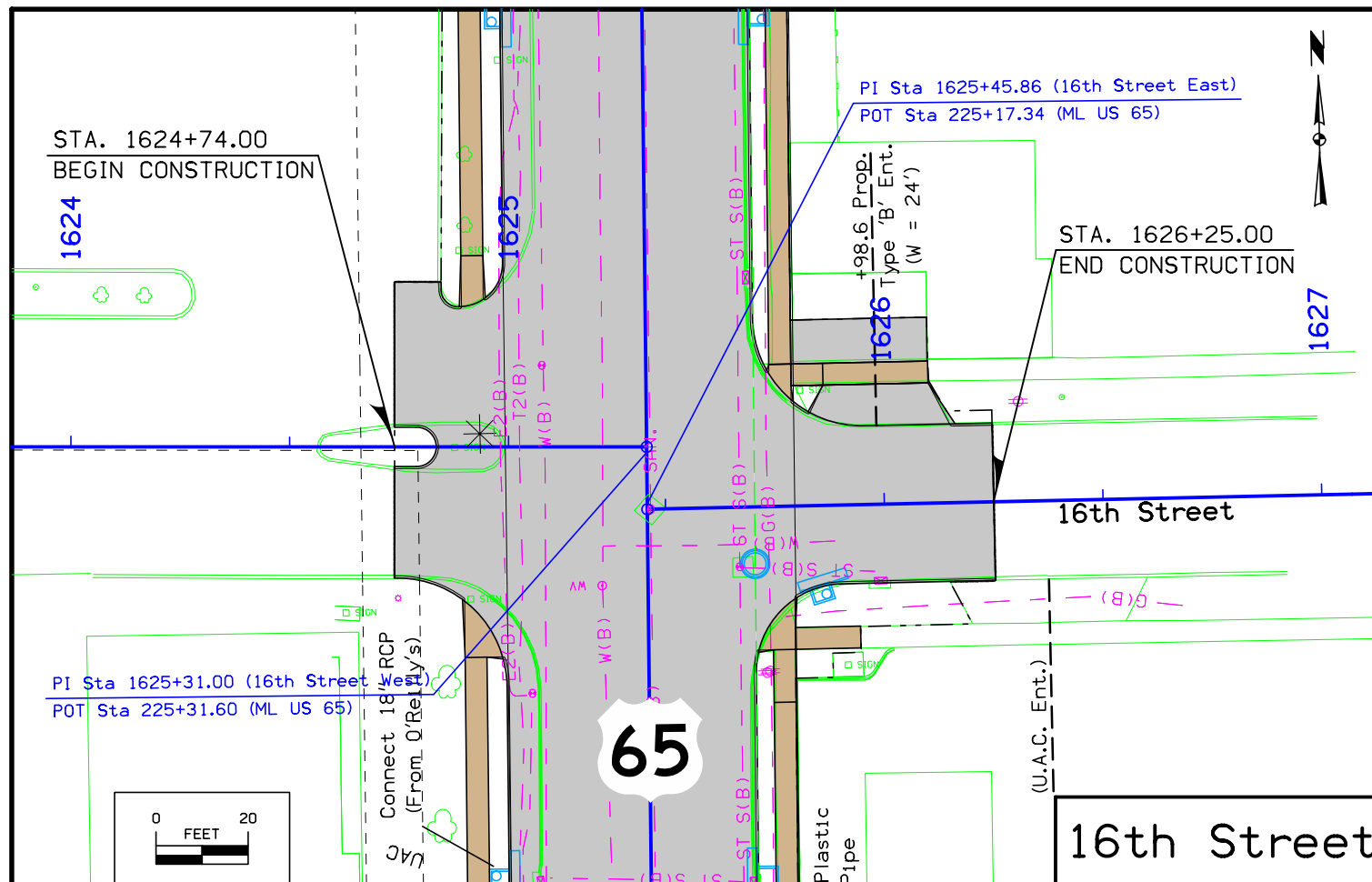


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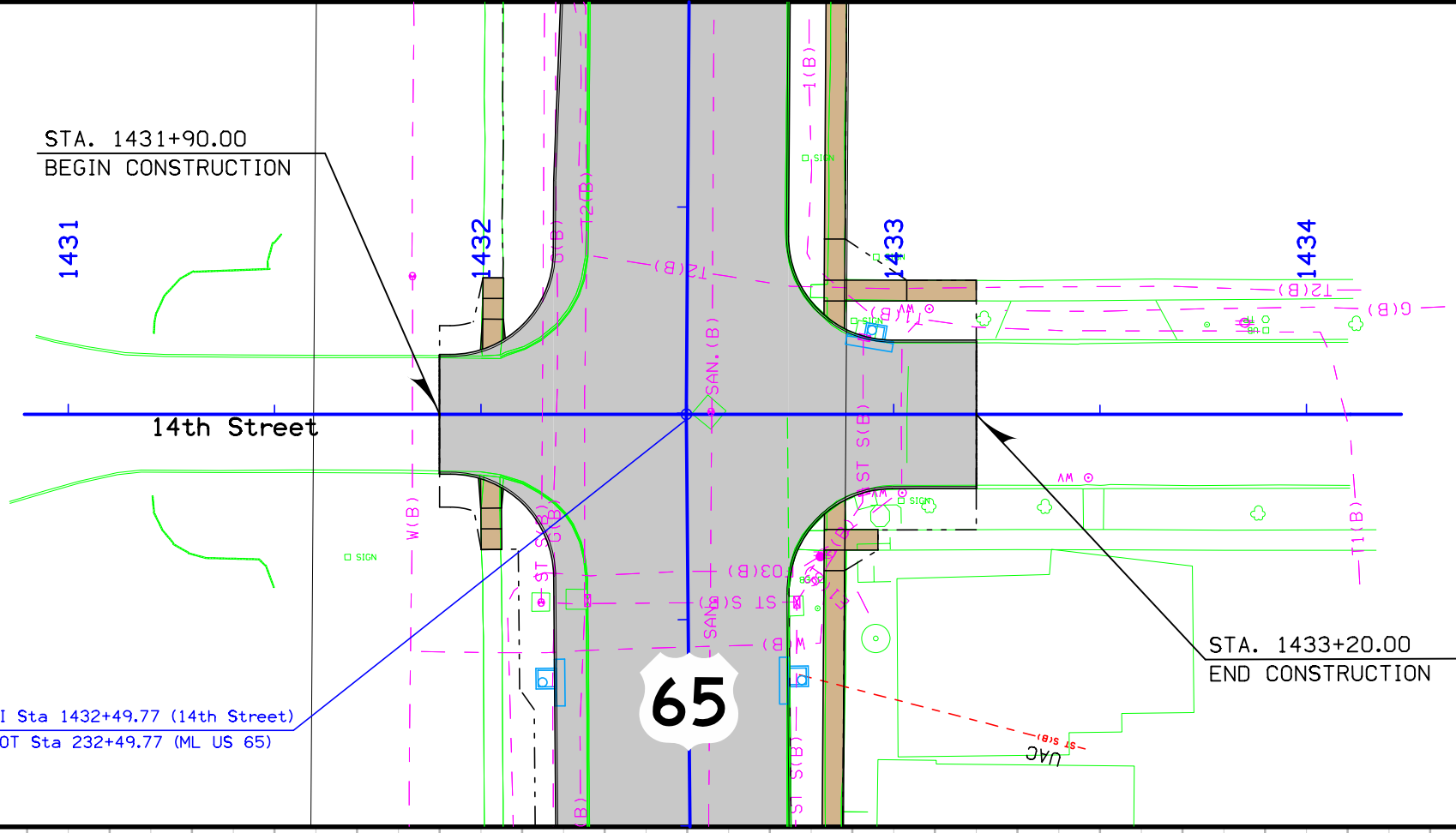




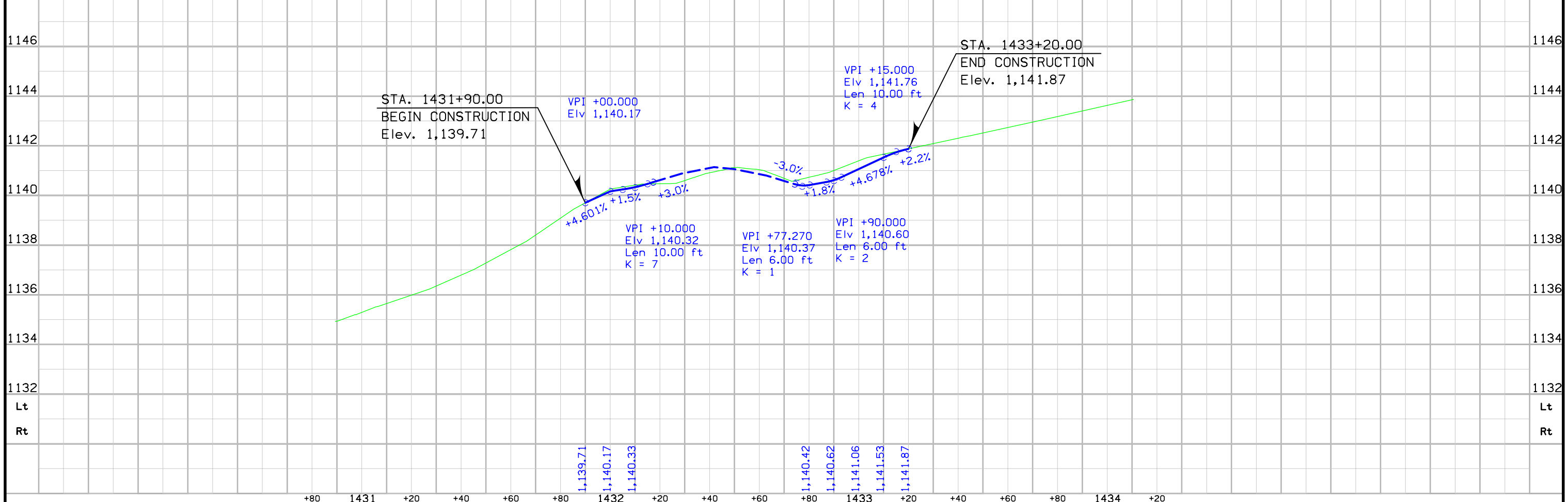


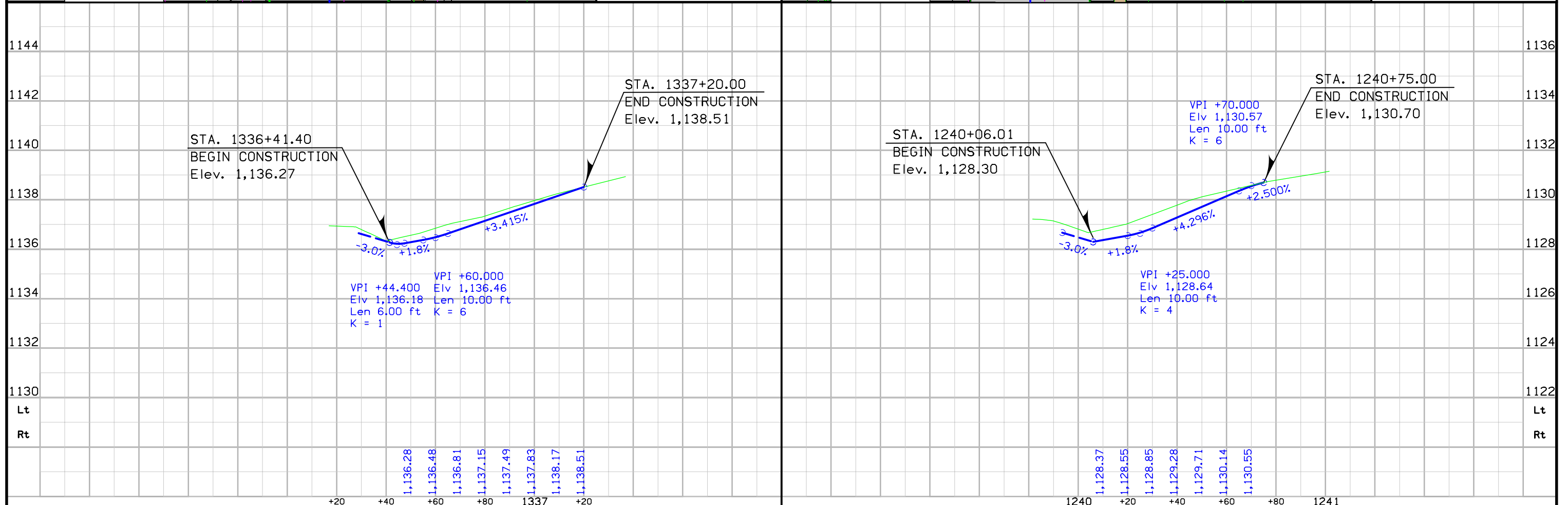
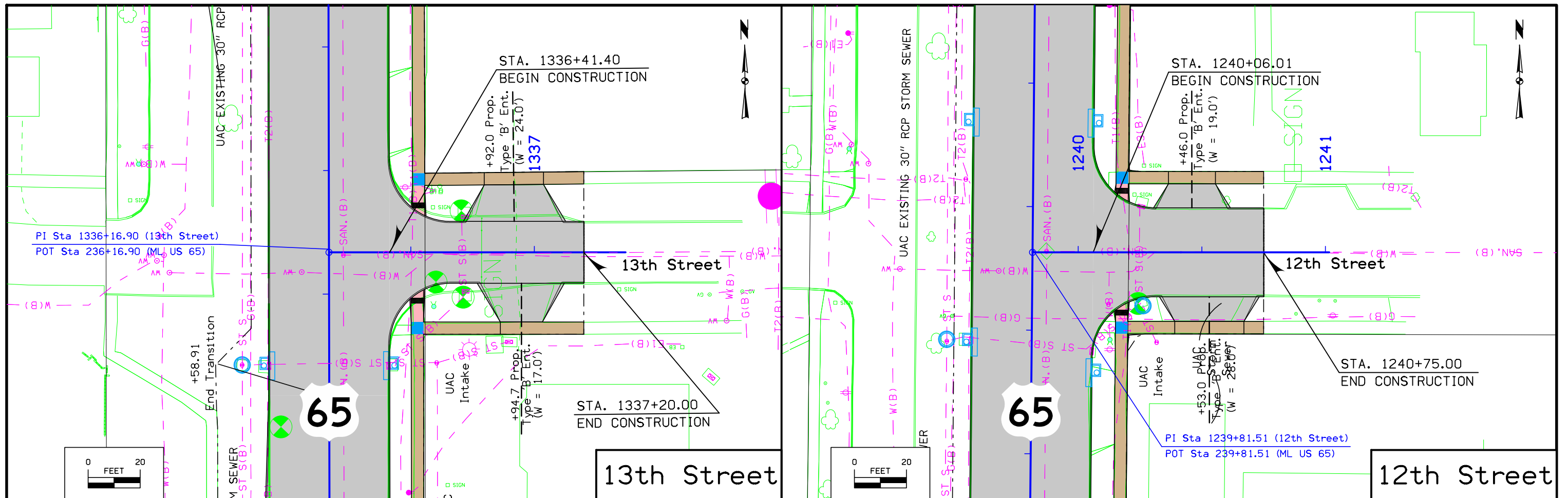


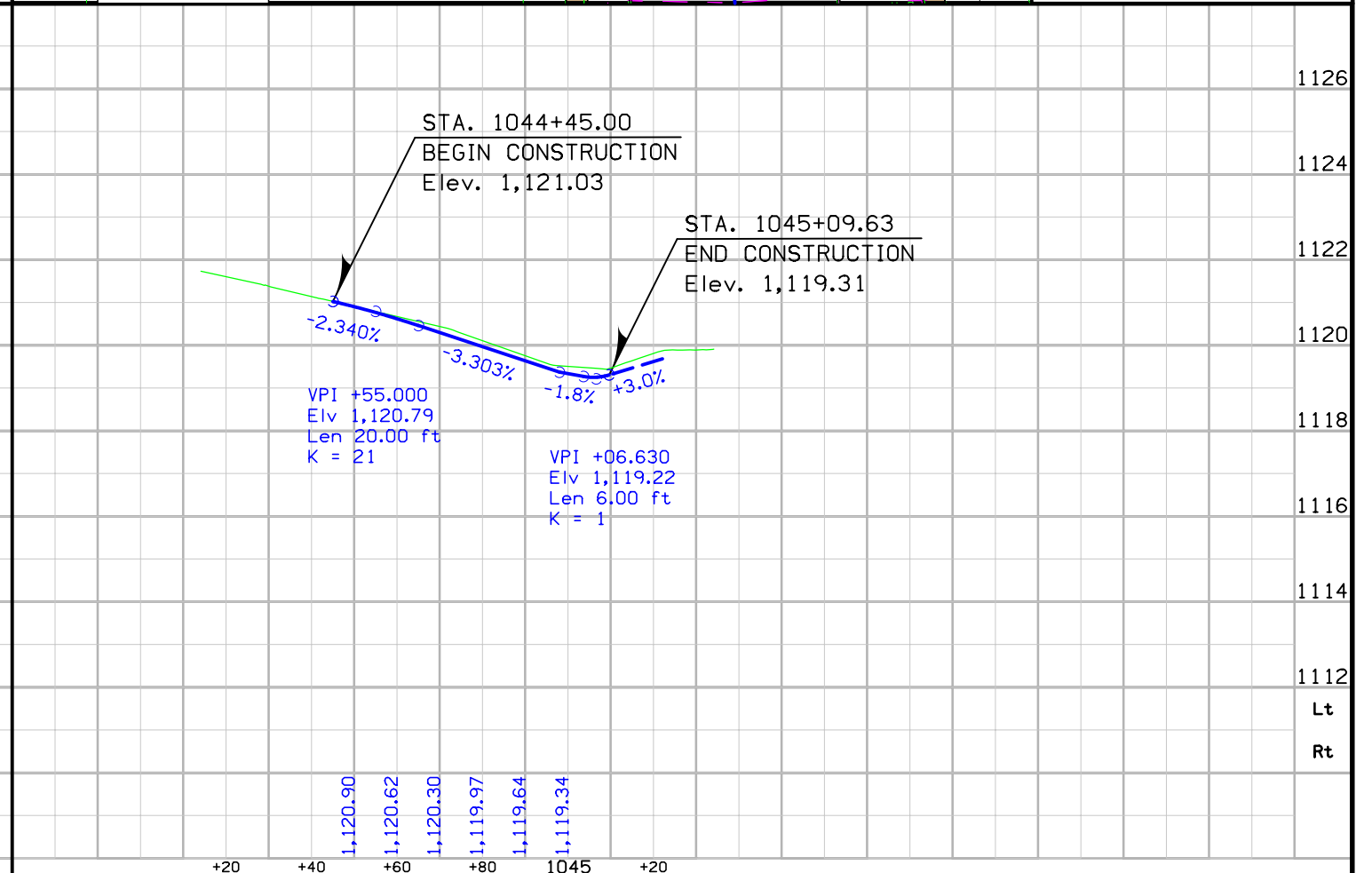
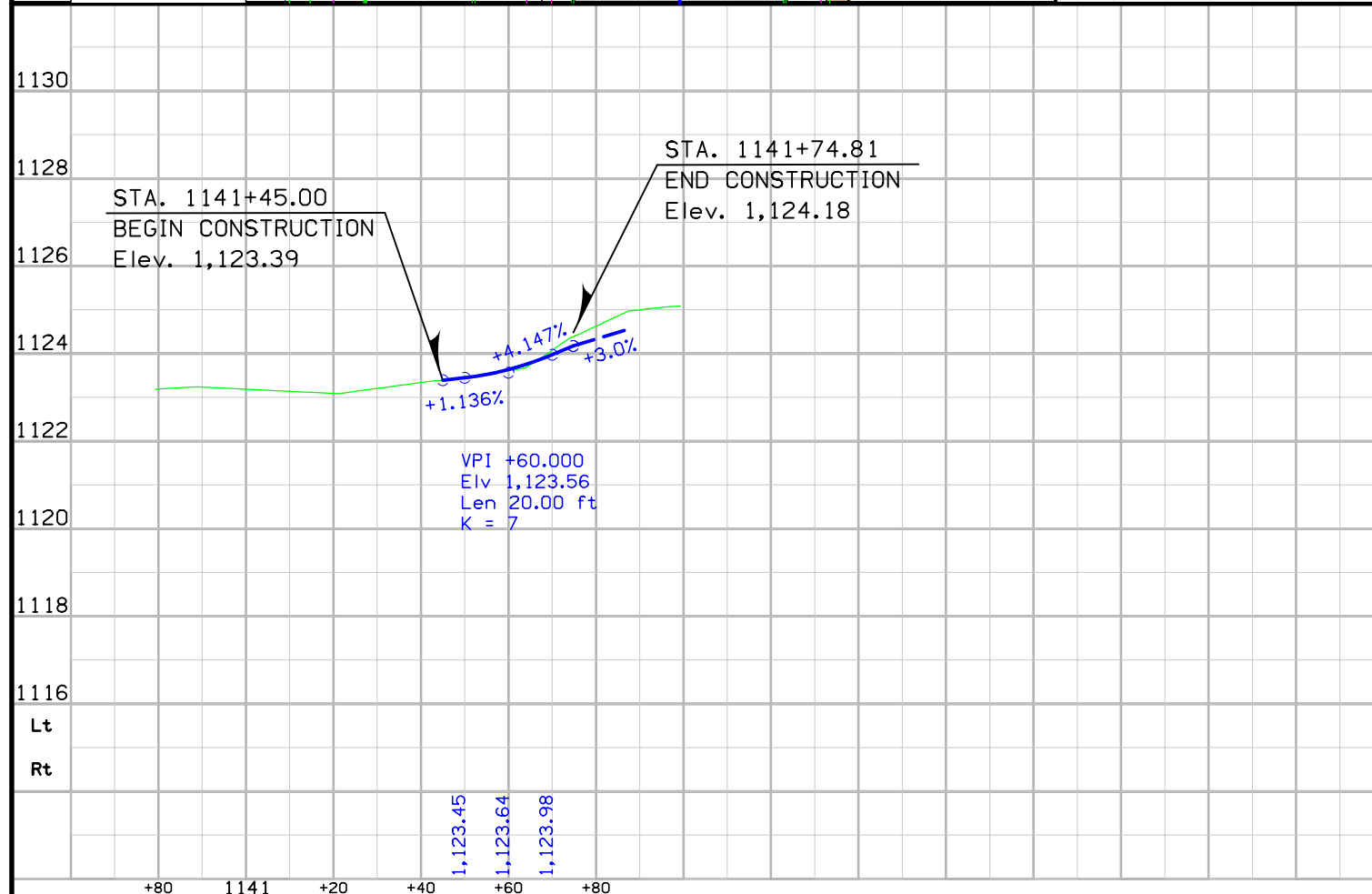
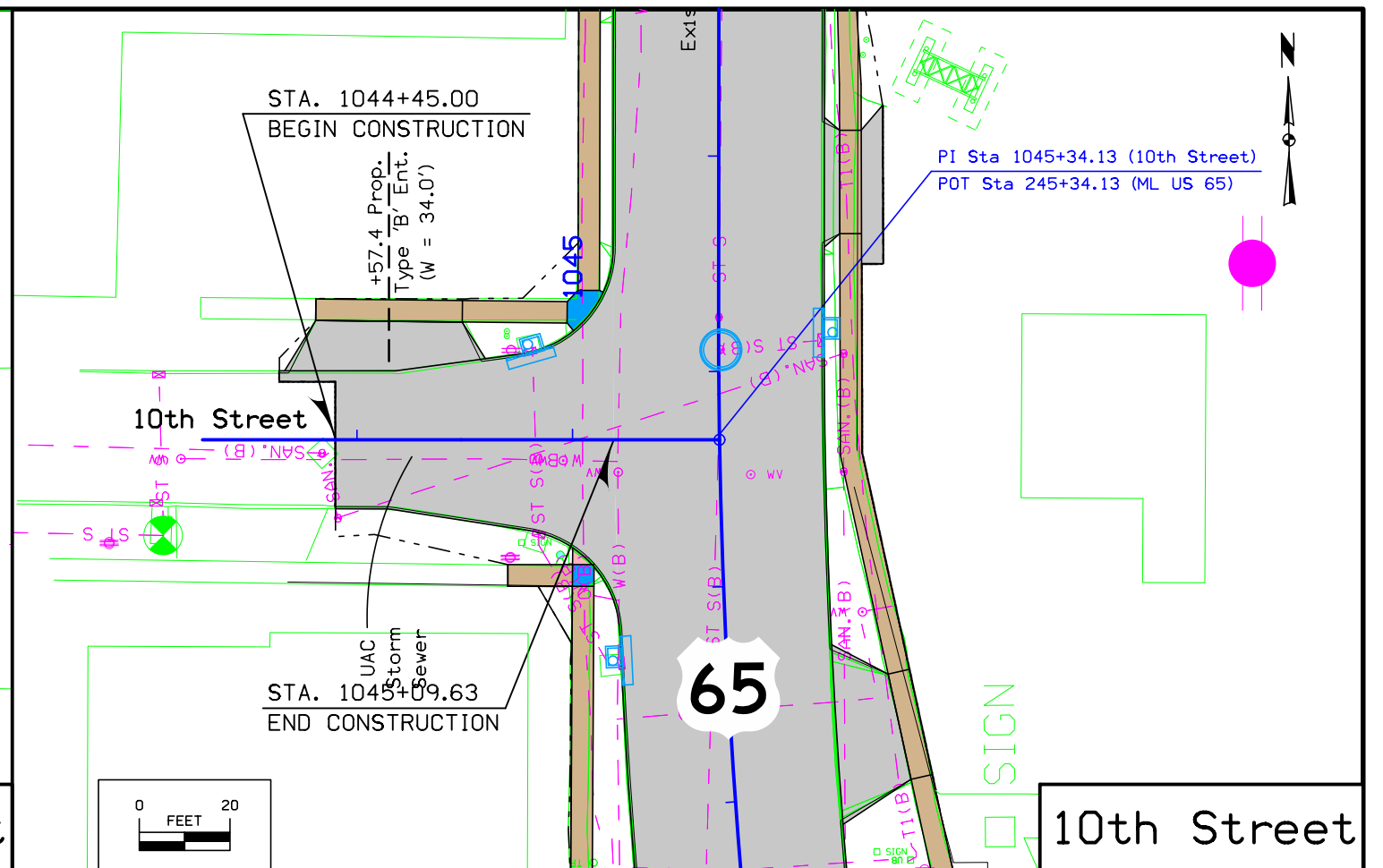
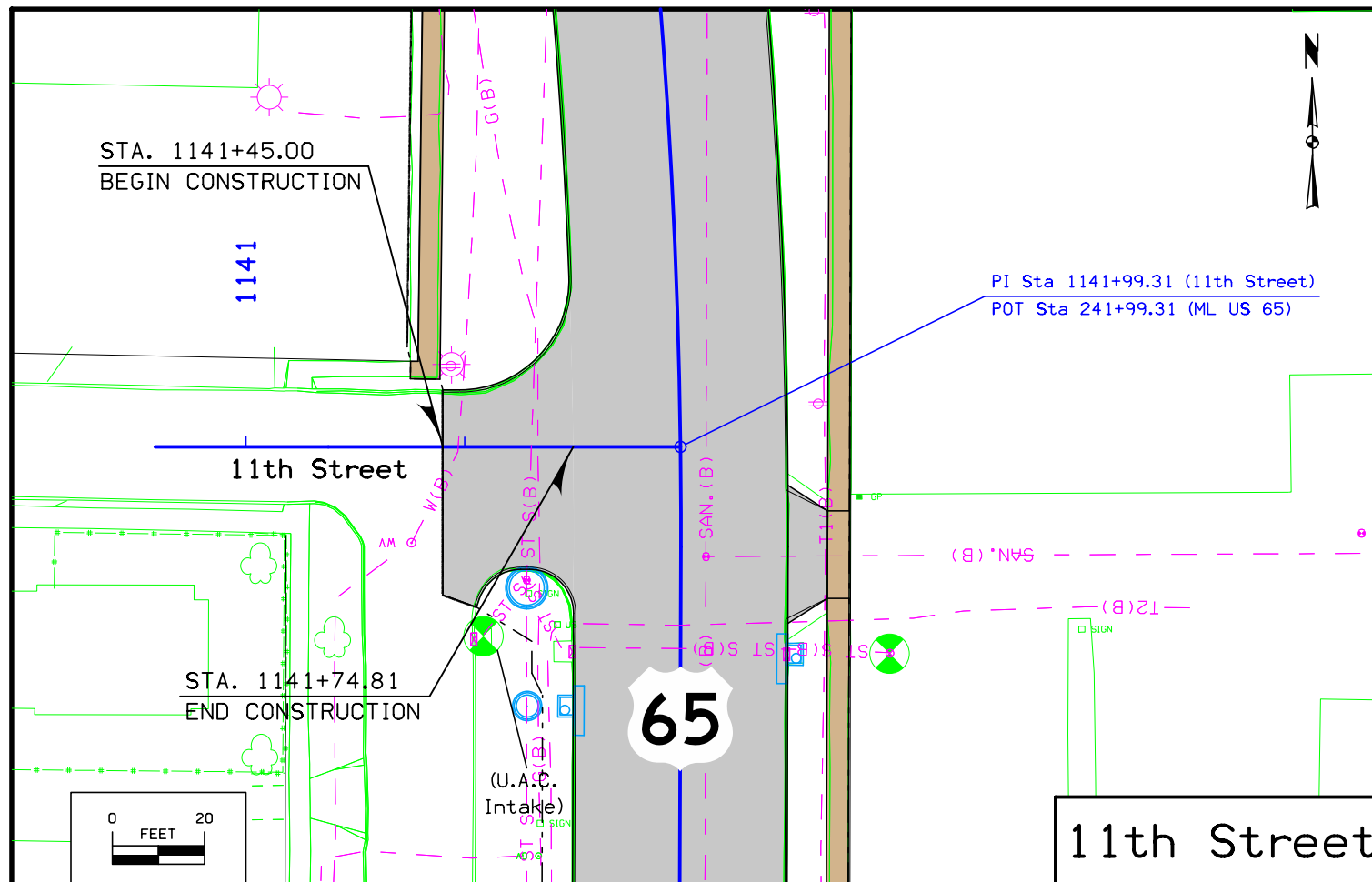


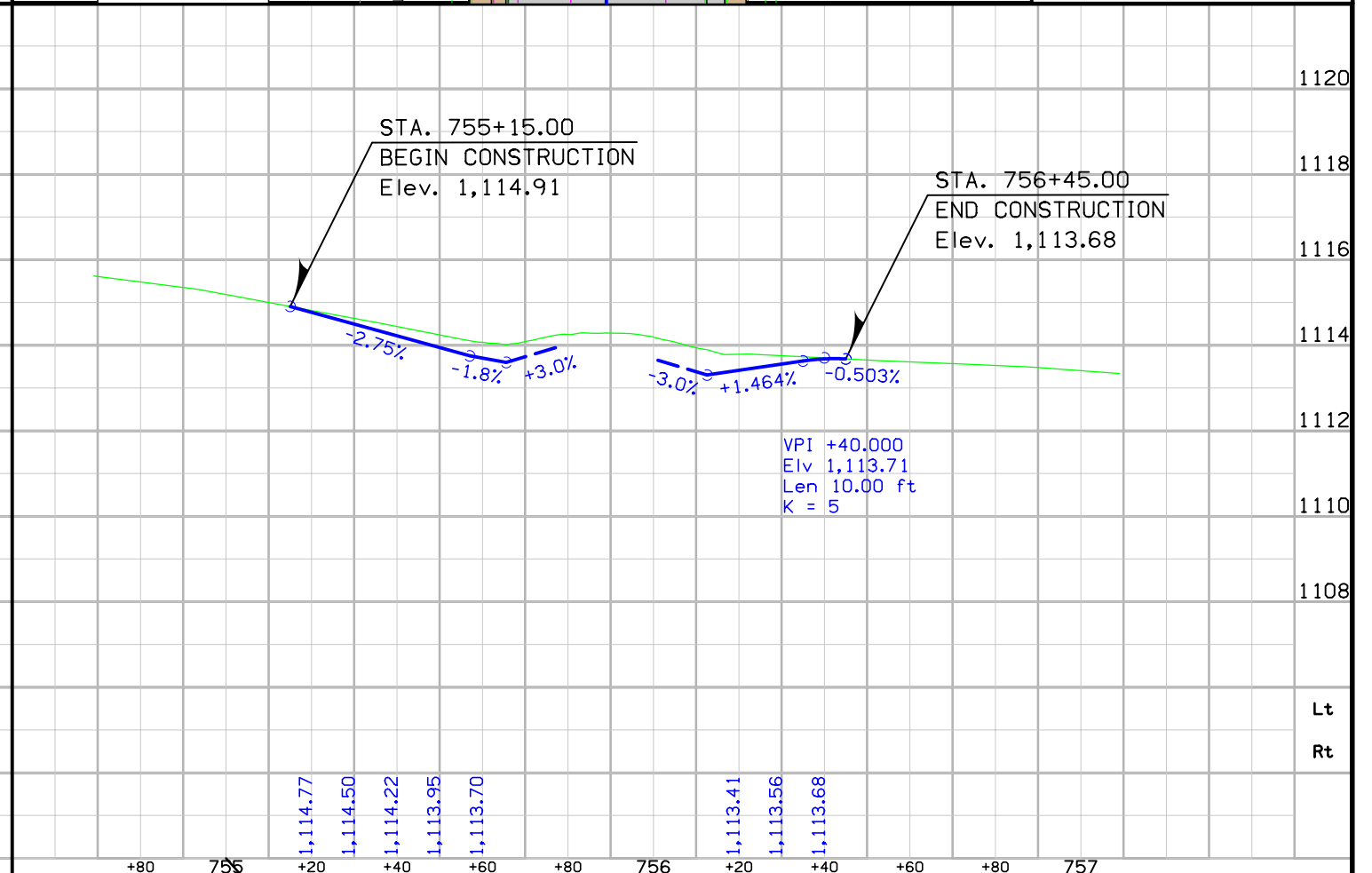
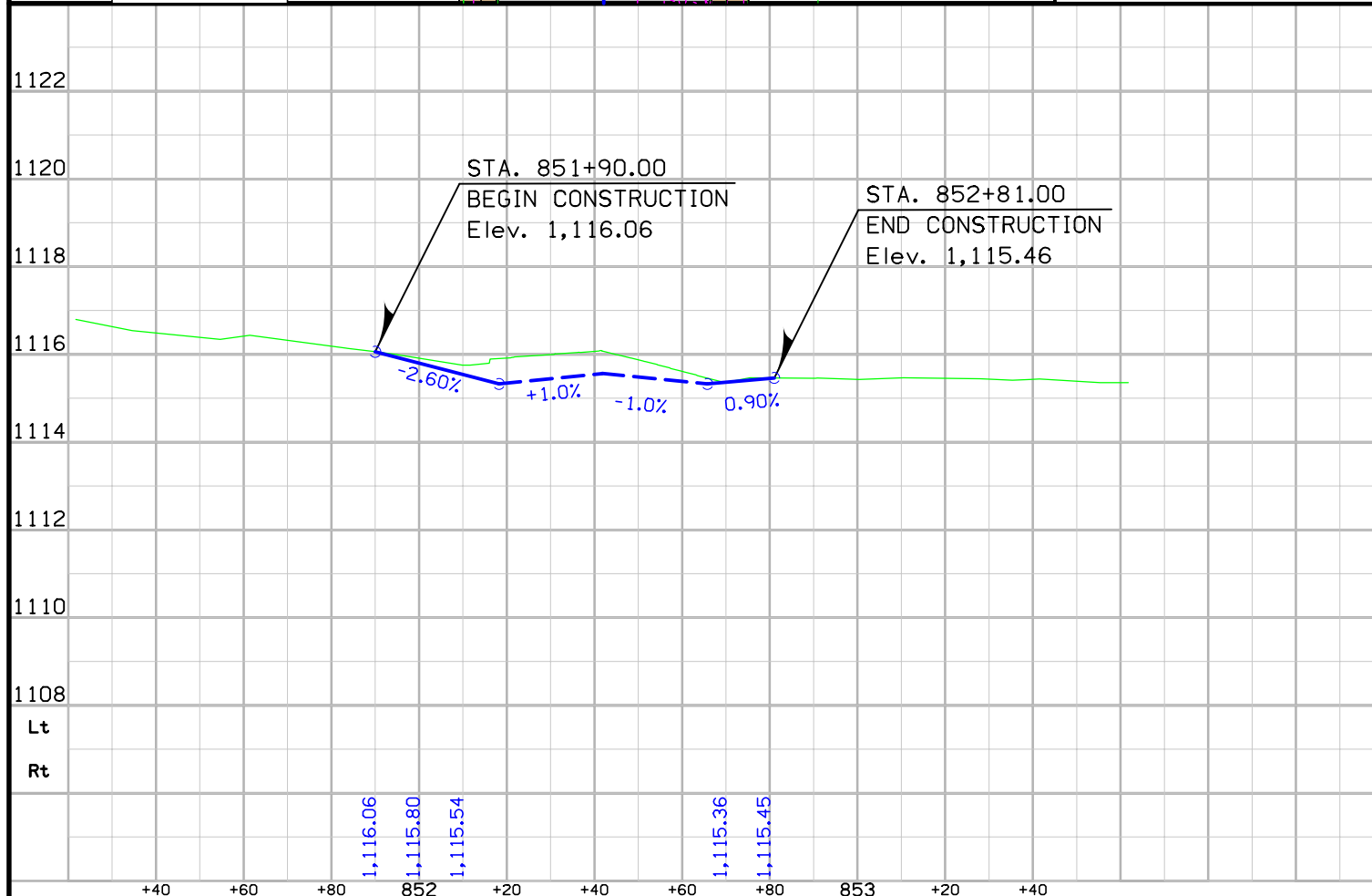
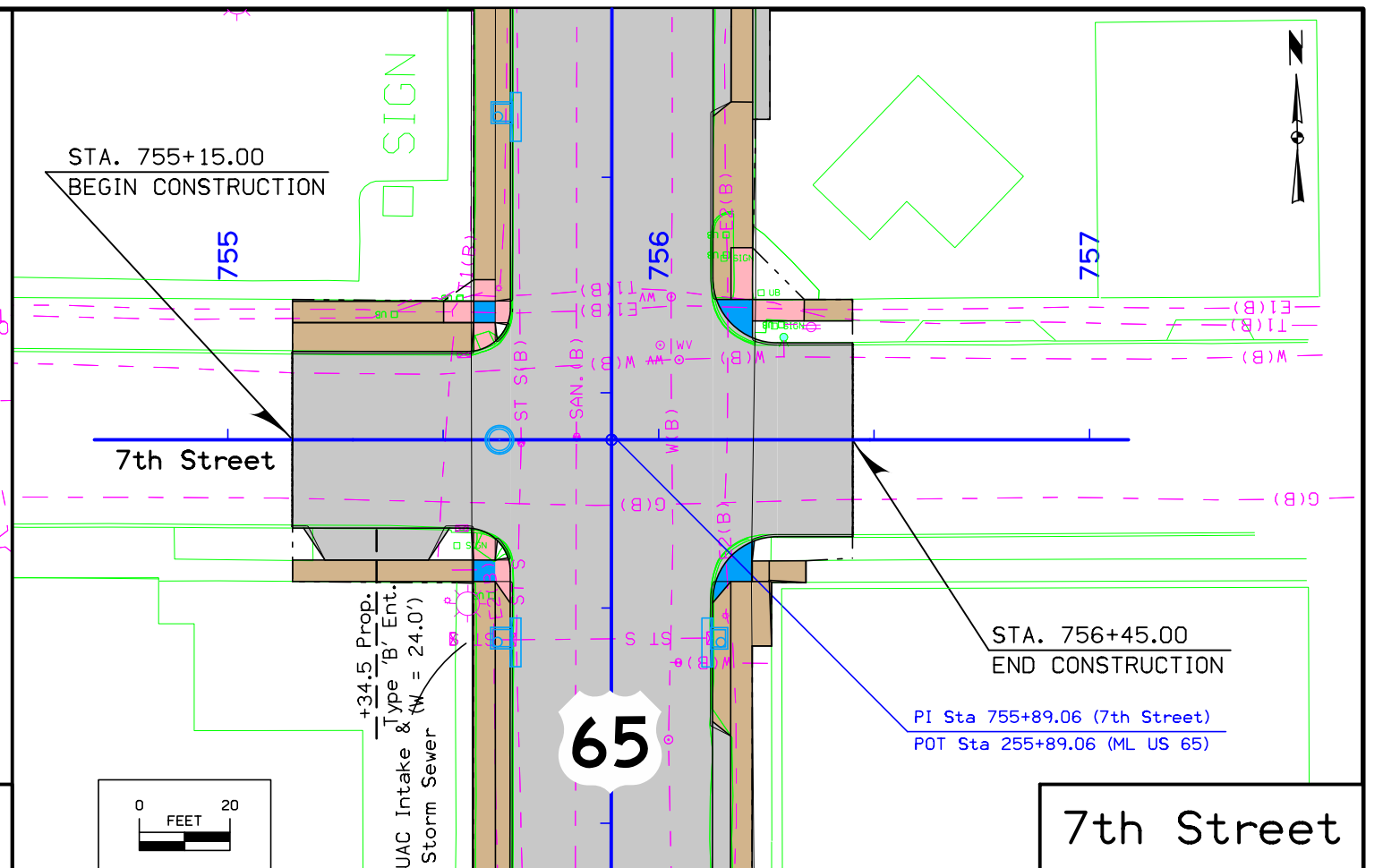
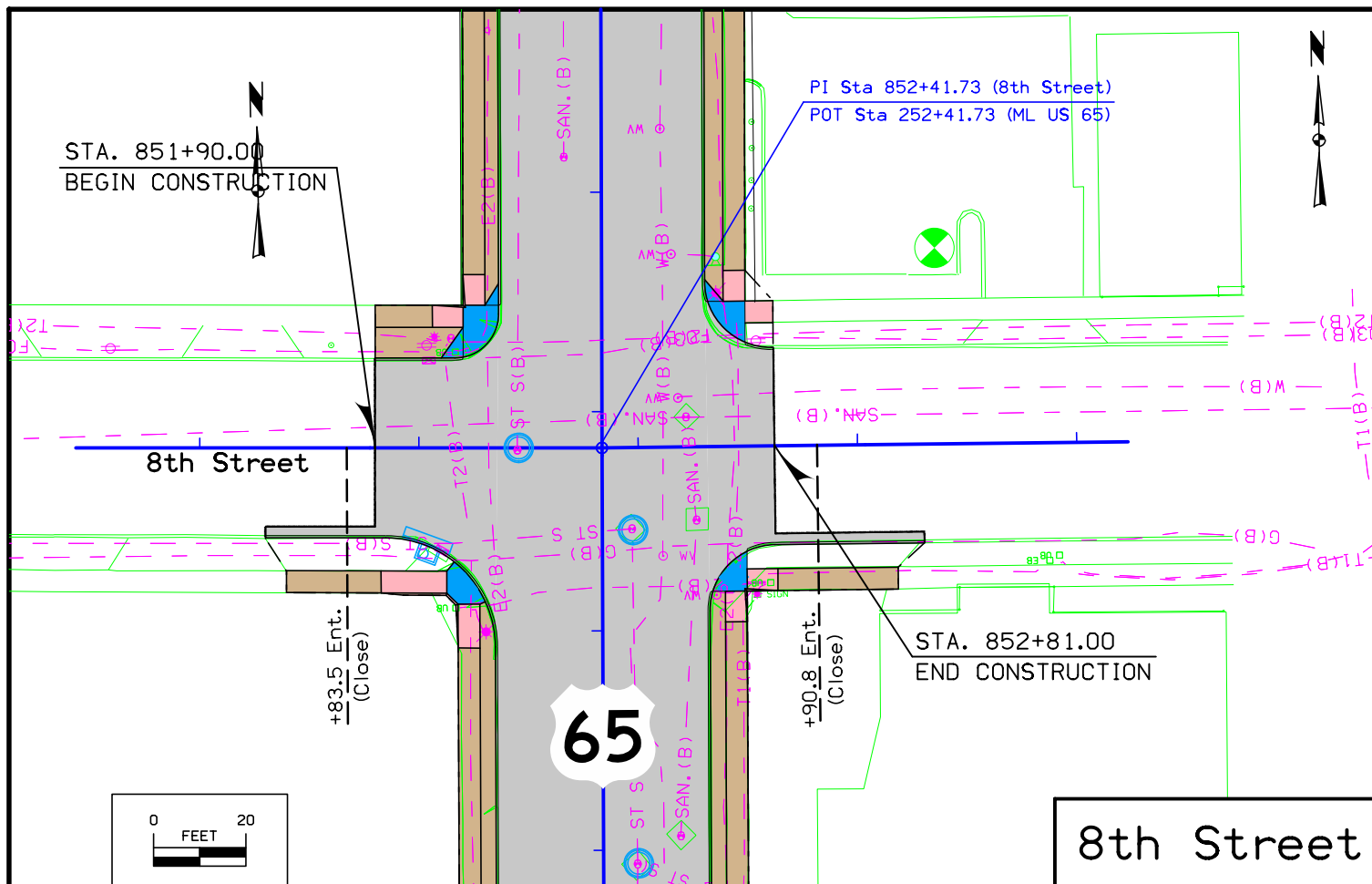


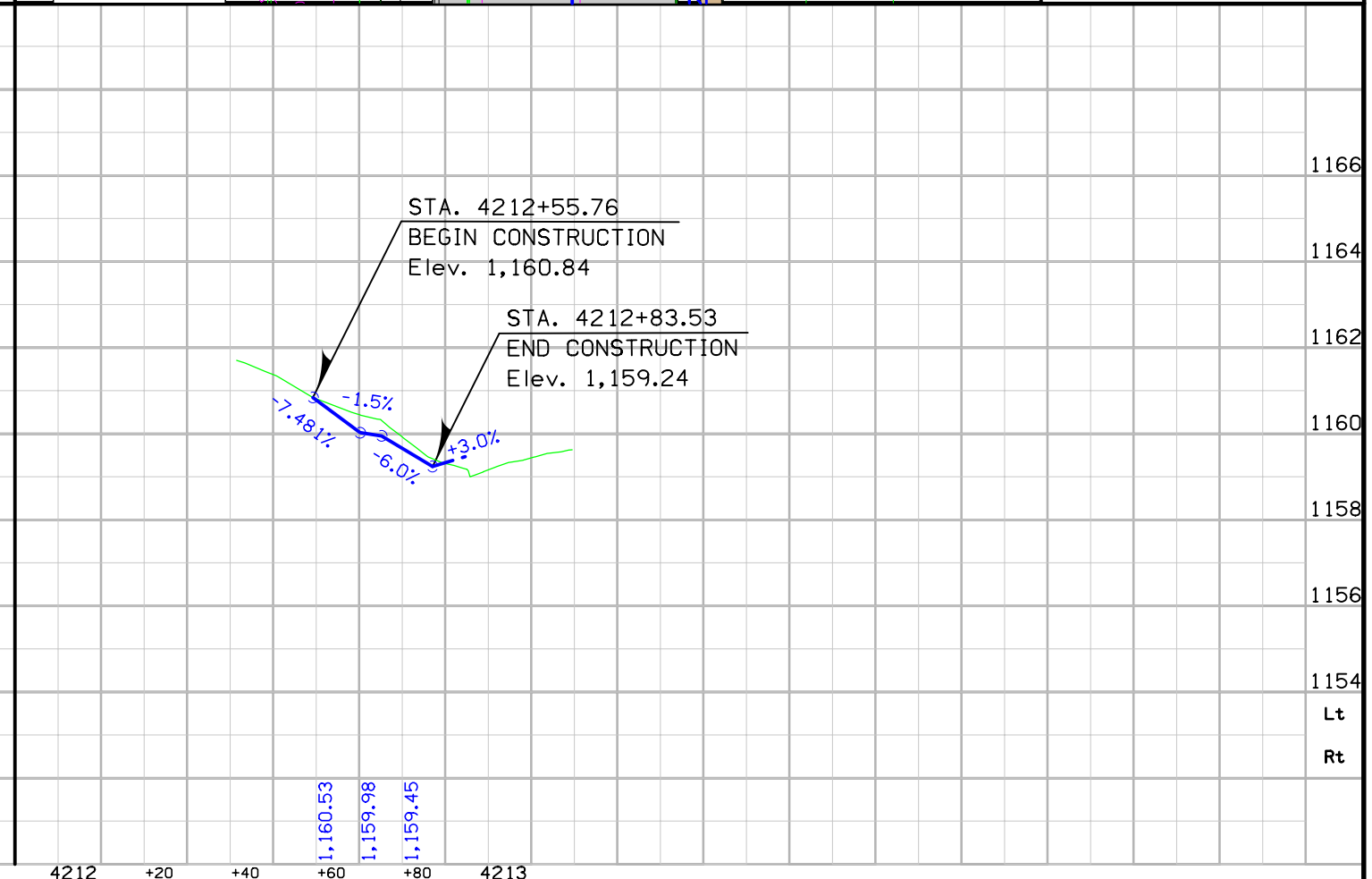
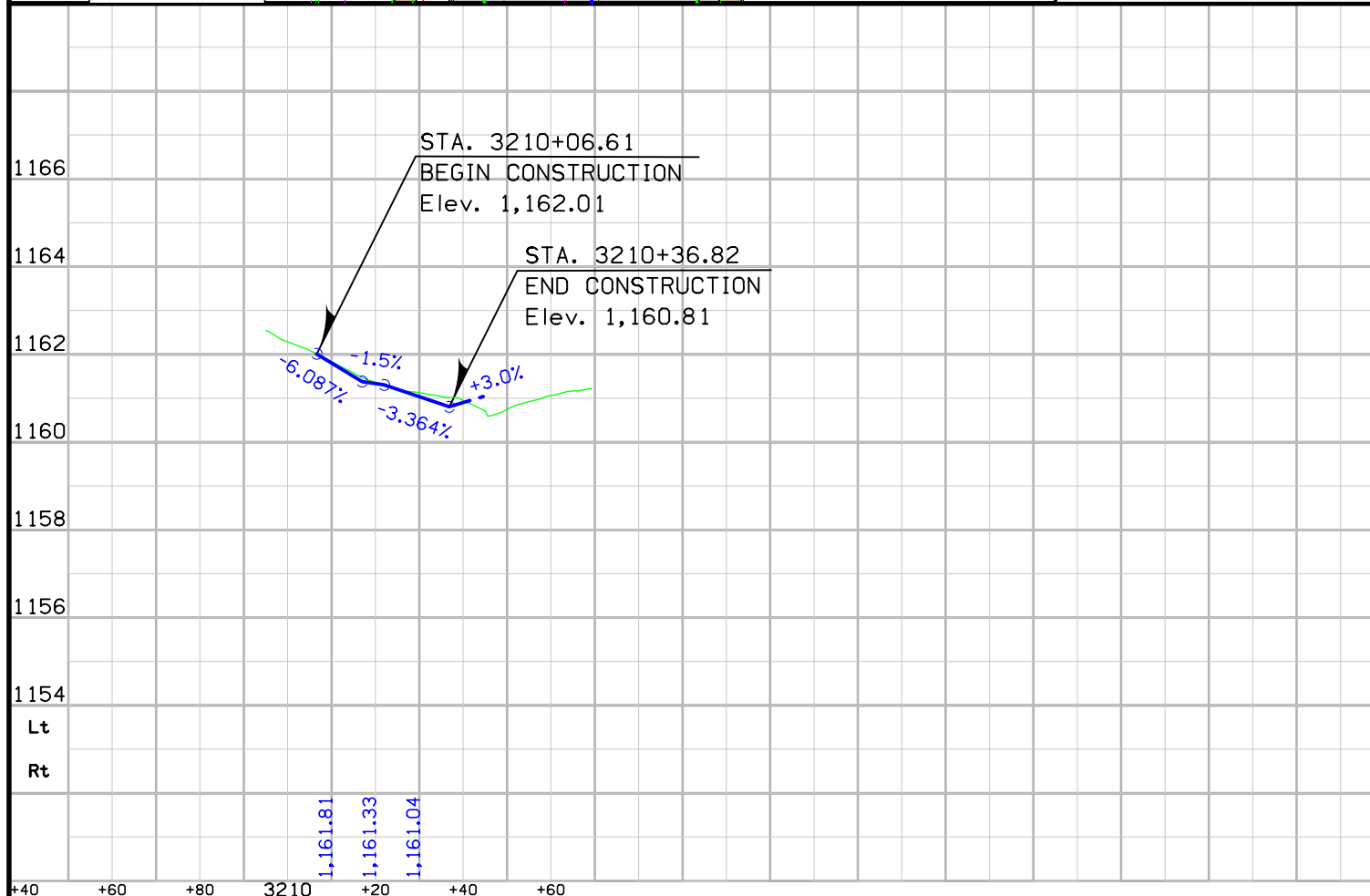
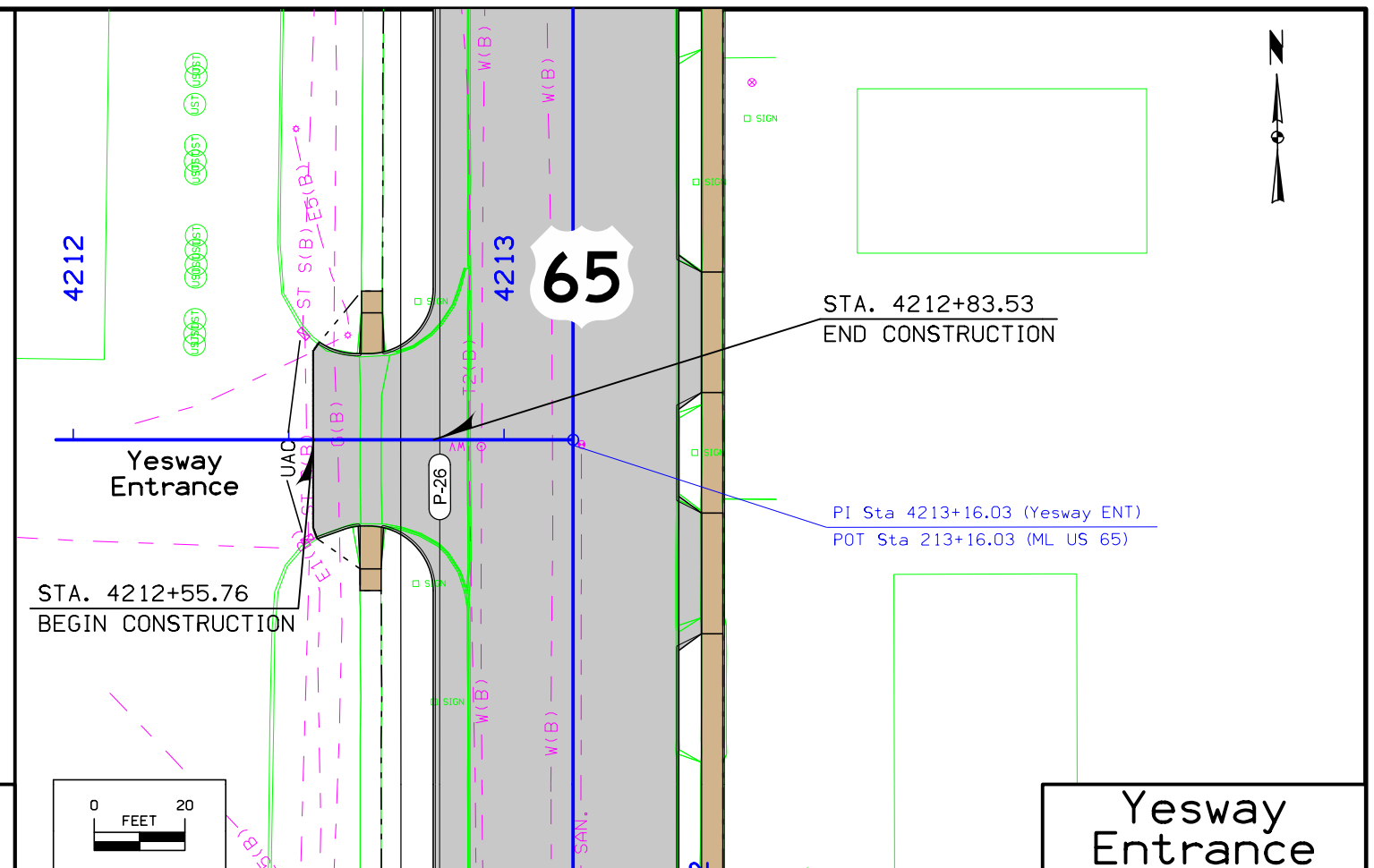
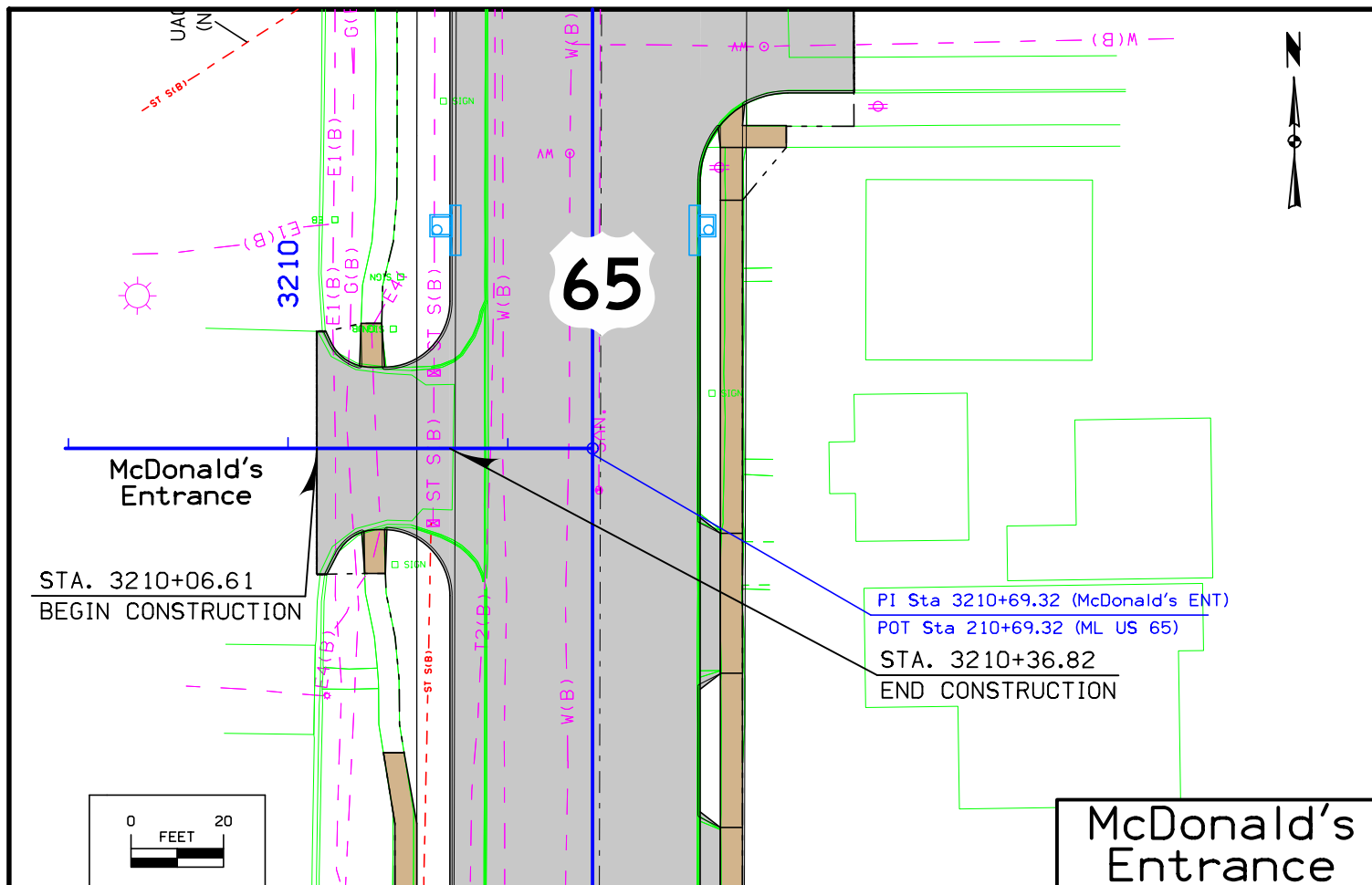
14th Street











### SURVEY SYMBOLS

- DU, Centerline Draw or Stream -Up
- EB, Electrical Box
- EL1B, Electric Line Co. 1 - Quality B
- EL2B, Electric Line Co. 2 - Quality B
- EL3B, Electric Line Co. 3 - Quality B
- EL4B, Electric Line Co. 4 - Quality B
- EL5B, Electric Line Co. 5 - Quality B
- FCL, Chain Link and Security Fence
- FHD, Fire Hydrants
- FLG, Flag Poles
- FO1B, Fiber Optic Co. 1 - Quality B
- FO3B, Fiber Optic Co. 3 - Quality B
- FO3D, Fiber Optic Co. 3 - Quality D
- FW, Wire Fence
- GL1B, Gas Line Co. 1 - Quality B
- GP, Guard Post -Less Than 4 Posts
- GV, Gas Valve
- IN, Storm Sewer Intake
- INB, Storm Sewer Beehive Intake
- LUM, Luminaire
- MH, Utility Access -Manhole
- MIS, Miscellaneous
- PPB, Power Pole Co. 2
- PR, Electric Riser Pole
- RET, Retaining Walls
- SA1B, Sanitary Sewer Co. 1- Quality B
- SA1D, Sanitary Sewer Co. 1- Quality D
- SI, Sign
- ST1B, Storm Sewer Co. 1 - Quality B
- ST1D, Storm Sewer Co. 1 - Quality D
- TCB, Traffic Signal Box
- TDC, Tree Deciduous
- TL1B, Telephone Line Co. 1 - Quality B
- TL2B, Telephone Line Co. 2 - Quality B
- TPD, Telephone Pedestal
- TSG, Traffic Signal
- TSL, Traffic Signal and Luminaire
- TV1B, TV Cable Co. 1 - Quality B
- TV1D, TV Cable Co. 1 - Quality D
- UB, Utility Box
- UST, Underground Tank
- WL1B, Water Line Co. 1 - Quality B
- WV, Water Valve

### UTILITY LEGEND

- Alliant Energy  
Mary Montgomery  
PO Box 351  
Cedar Rapids IA 52406-9874  
marymontgomery@alliantenergy.com  
(319)786-4768
- Alliant Energy
- Aureon Network Services  
Jeff Klocko  
7760 Office Plaza Drive South  
West Des Moines IA 50266  
jeff.klocko@aureon.com  
(515)830-0445
- Centurylink  
Steve Parker  
2103 E University Ave.  
Des Moines IA 50317  
steven.parker4@lumen.com  
(515)265-0968
- Clear Lake Independent Telephone Company  
Dennis Fitzgerald  
107 N 4th Street  
Clear Lake IA 50428  
dennisfitzgerald@ctel.com  
(641)357-2111
- Mason City  
Steven Olney  
10 1st Street NW  
Mason City IA 50401  
solney@masoncity.net  
(641)421-3605
- Mason City
- Mason City
- Mason City
- Mediacom Communications Corp  
Kent Studer  
12251 265th St.  
Mason City IA 50401  
kstuder@mediacomcc.com  
(641)430-4048
- Mediacom Communications Corp
- Windstream Comm Telephone & Fiber Dist.  
Terry Burke  
641 West Street South  
Grinnell IA 50112  
terry.r.burke@windstream.com  
(641)787-2259
- Windstream Comm Telephone & Fiber Dist.
- Windstream Comm Telephone & Fiber Dist.
- Windstream Comm Telephone & Fiber Dist.
- Windstream Comm Telephone & Fiber Dist.

### PLAN VIEW COLOR LEGEND OF STORM SEWER SHEETS

LINEWORK	Design	Color No.	Description
Green	(2)		Existing Topographic Features and Labels
Magenta	(5)		Existing Utilities
Blue, Dark	(1)		Proposed Storm Sewer Pipes, Alignment, Stationing, and Tic Marks
Blue, Light	(230)		Proposed Storm Sewer Intakes or Structures
SHADING		Design	Color No.
Lavender	(9)		Temporary Pavement Shading
Gray, Light	(48)		Proposed Pavement Shading
Gray, Med	(80)		Proposed Granular Shading
Tan	(8)		Proposed Sidewalk Shading

### PROFILE VIEW COLOR LEGEND OF STORM SEWER SHEETS

LINEWORK	Design	Color No.	Description
Green	(2)		Existing Ground Line Profile
Magenta	(5)		Existing Utilities Information
Blue, Dark	(1)		Proposed Pipe
Blue, Light	(230)		Proposed Intakes or Structures

### PLAN VIEW LINE STYLE LEGEND OF STORM SEWER SHEETS

	Plug and Abandon Existing Pipe or Structure
	Removal of Existing Pipe or Structure
	Previously Constructed Pipe or Structure
	Direction of Pipe Flow

### PROFILE VIEW LINE STYLE LEGEND OF STORM SEWER SHEETS

	Existing Ground (at Pipe Centerline)
	Proposed Ground (at Pipe Centerline)
	Previously Constructed Pipe or Structure
	Proposed Pipe
	Proposed Structure

**Reference Point**

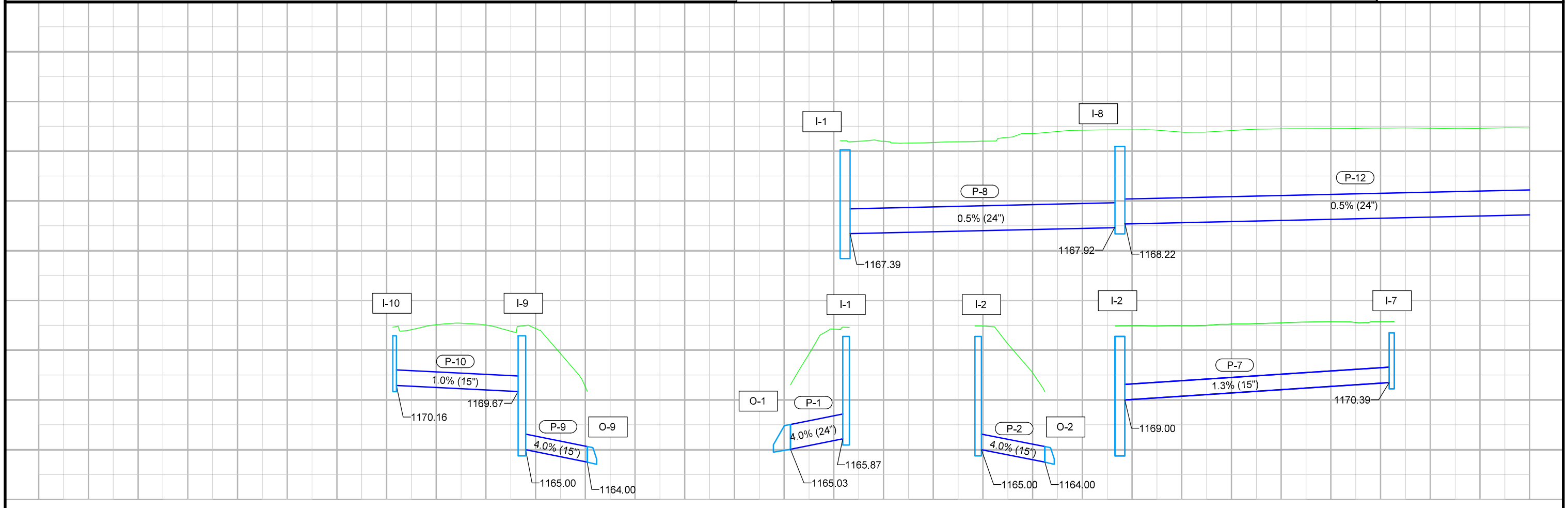
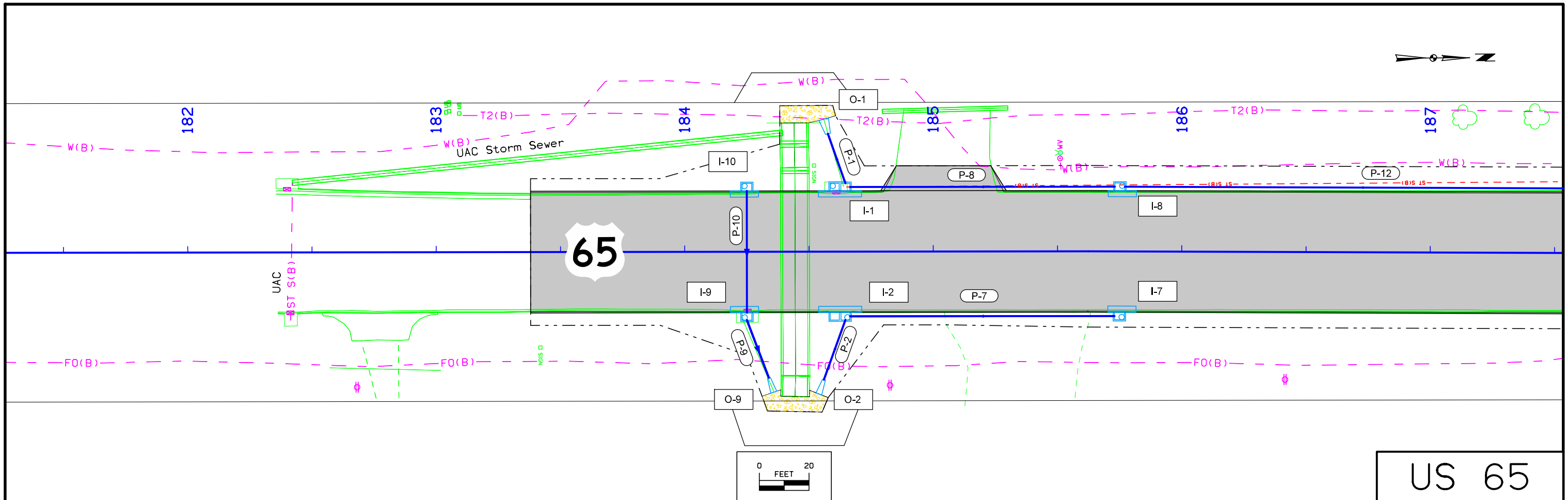
- Station
- Survey Line
- Section Corner
- Ground Line Intercept
- Saw Cut
- Guardrail
- Clearing & Grubbing Area
- Pavement Removal

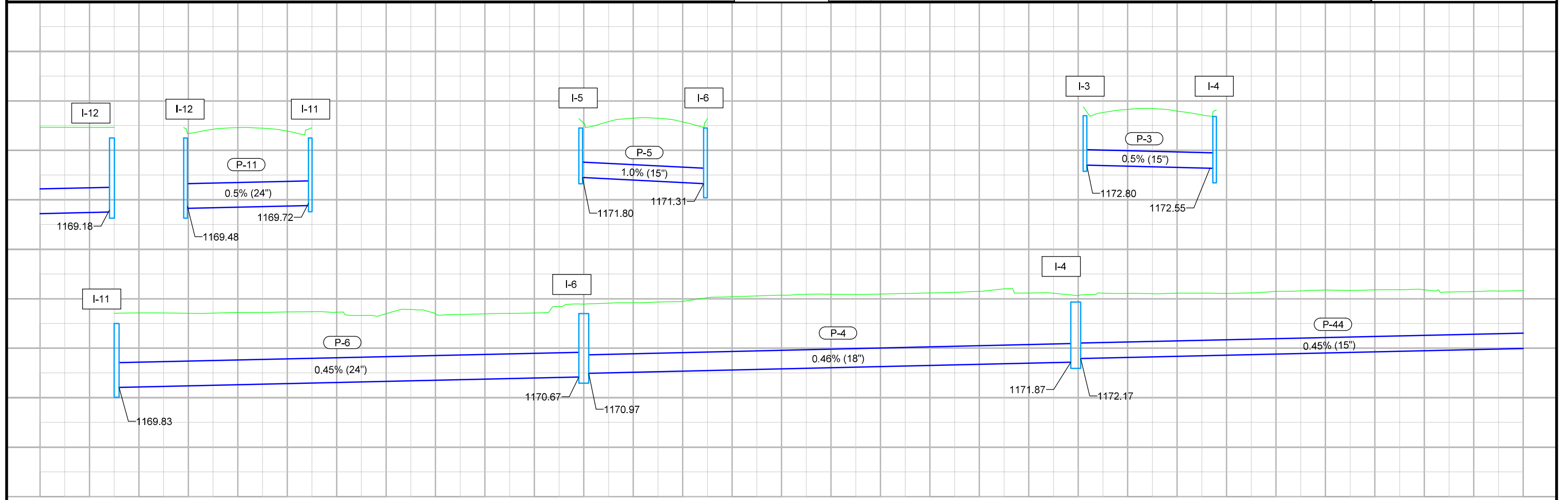
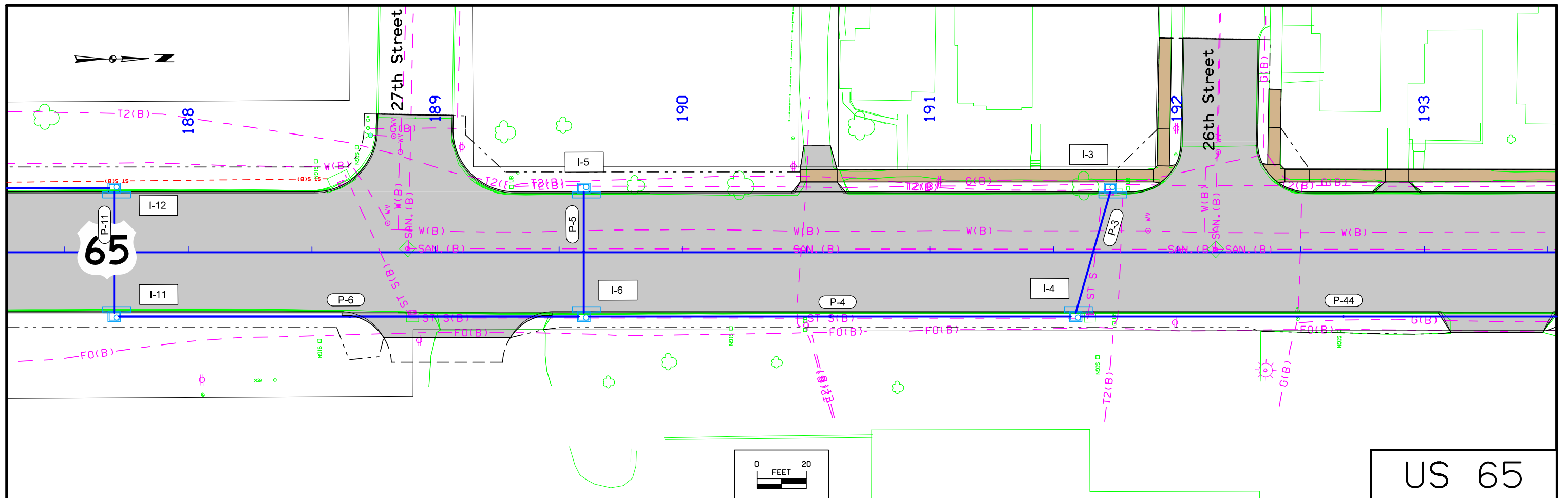
### RIGHT-OF-WAY LEGEND

- Proposed Right-of-Way
- Existing and Proposed Right-of-Way
- Easement and Existing Right-of-Way
- Borrow
- Easement (Temporary)
- Easement
- Excess
- Access Control

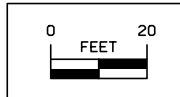
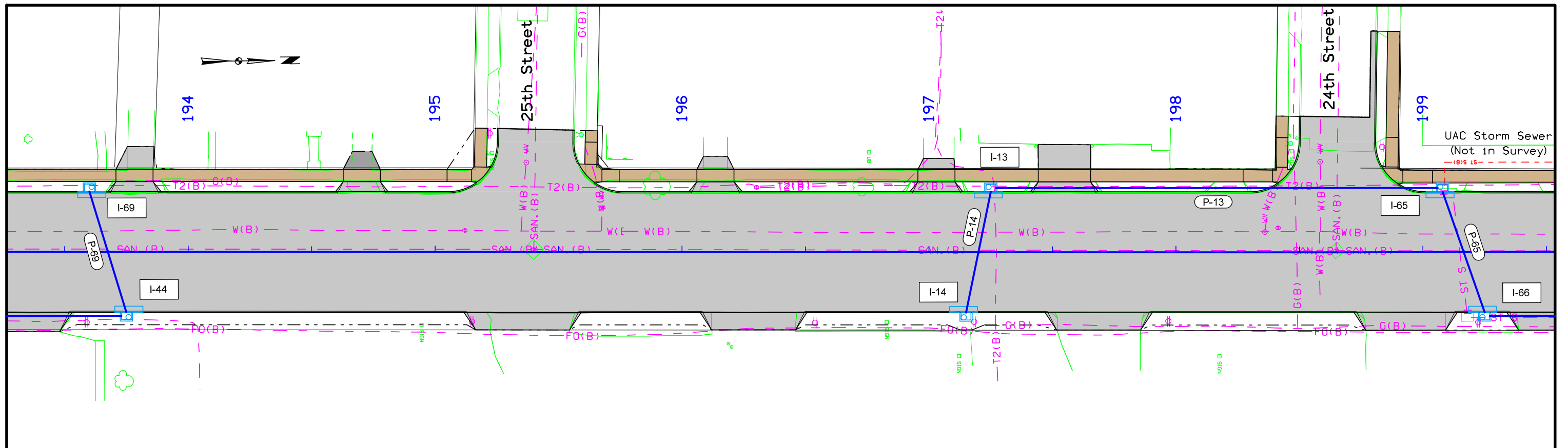
# STORM SEWER LEGEND AND SYMBOL INFORMATION SHEET

(COVERS SHEET SERIES M)

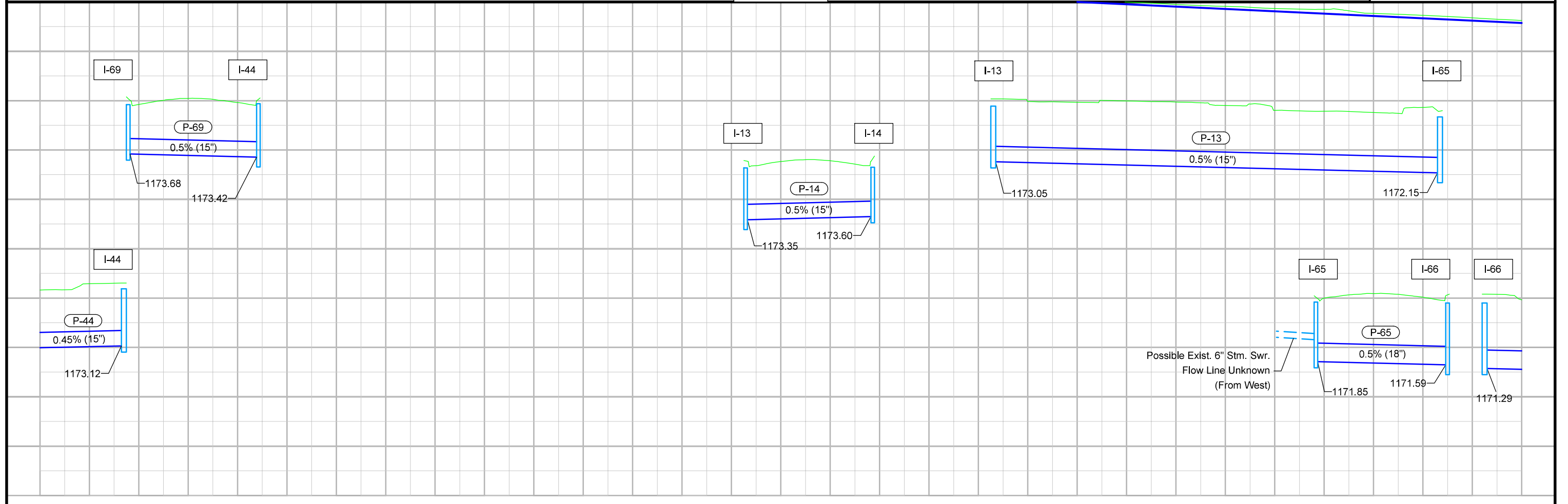




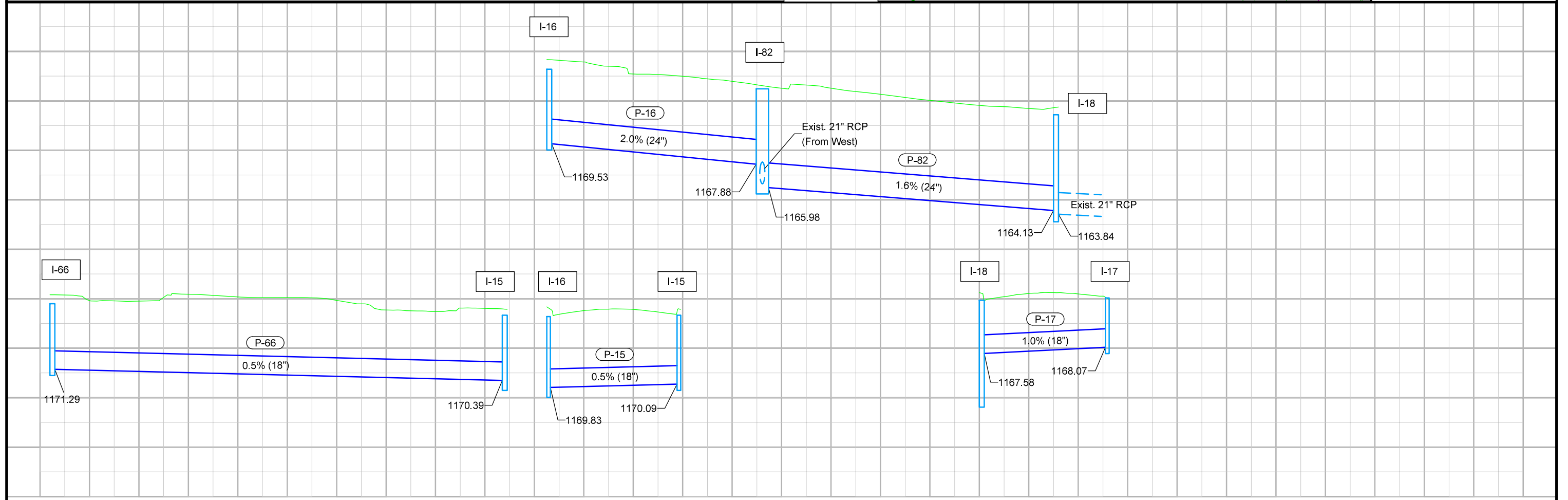
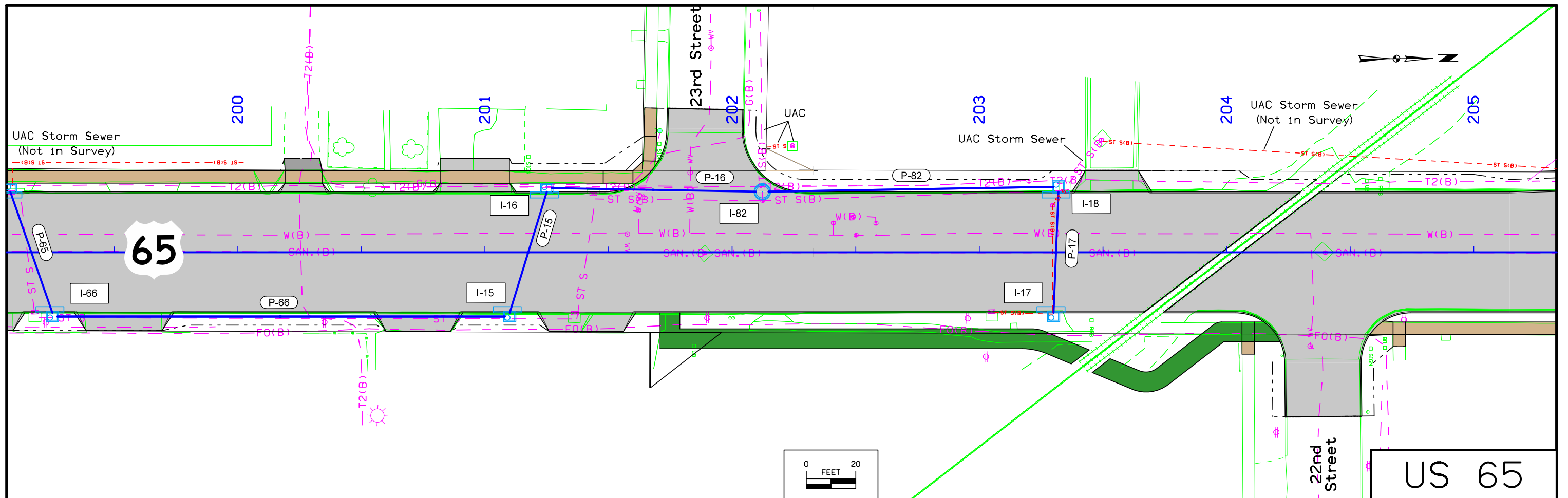


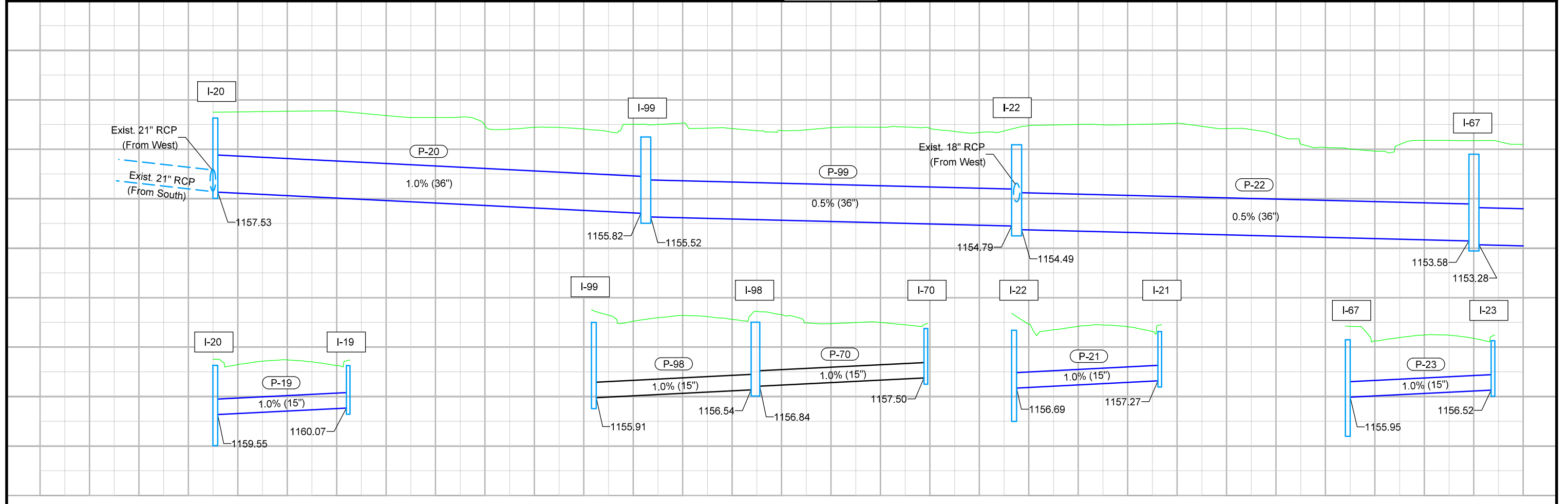
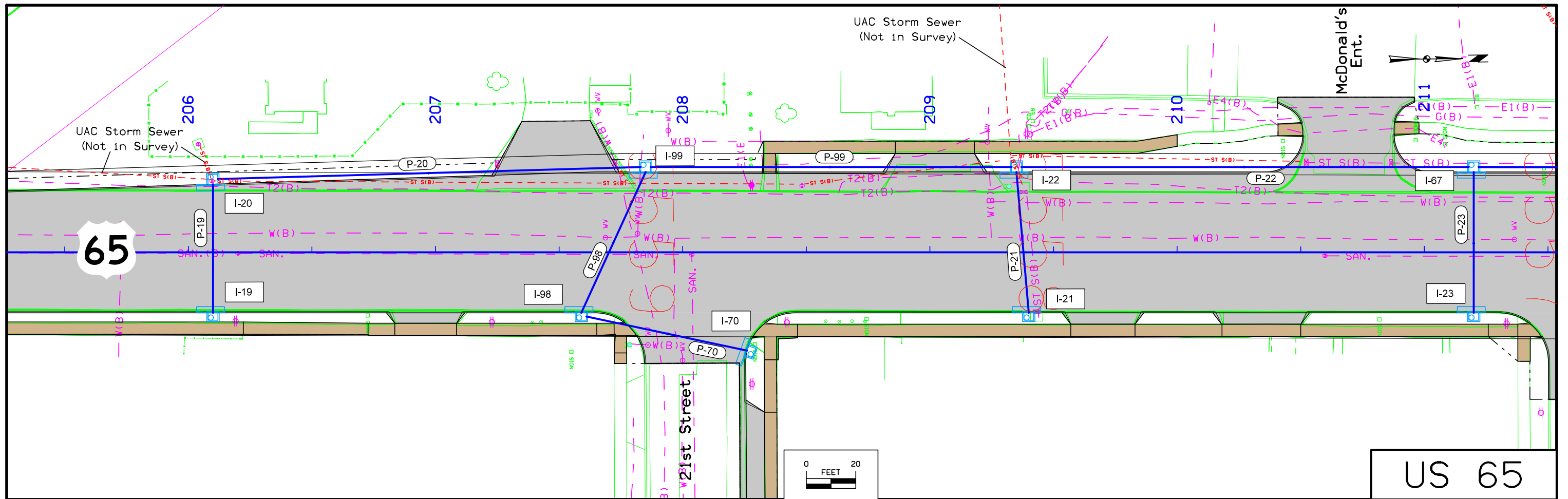


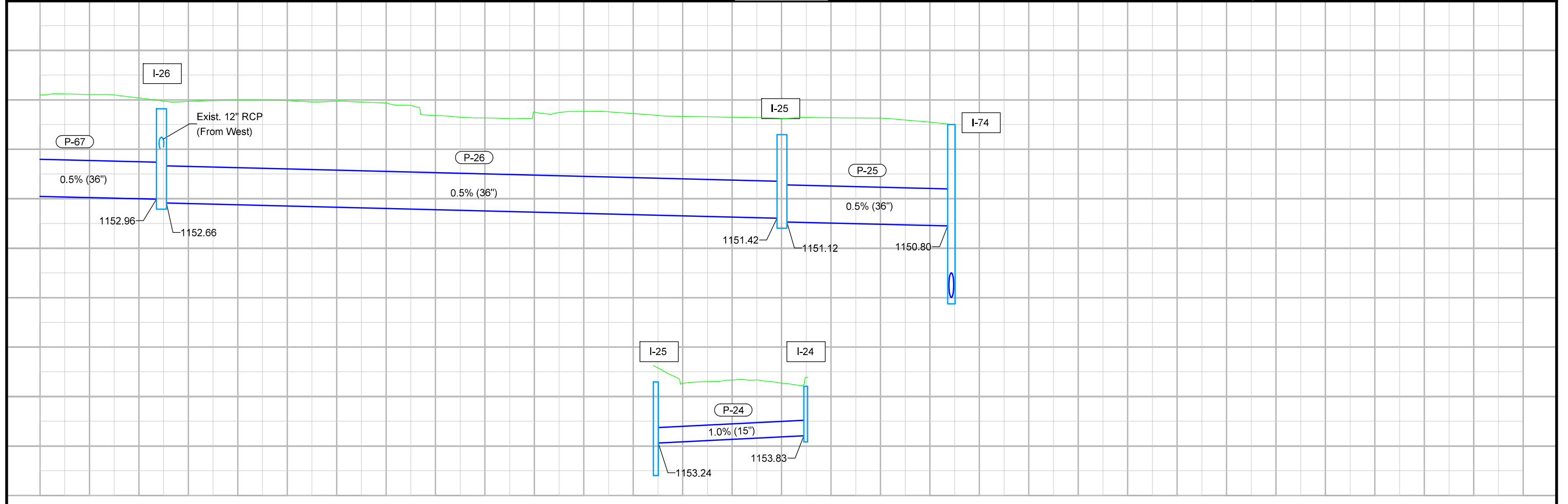
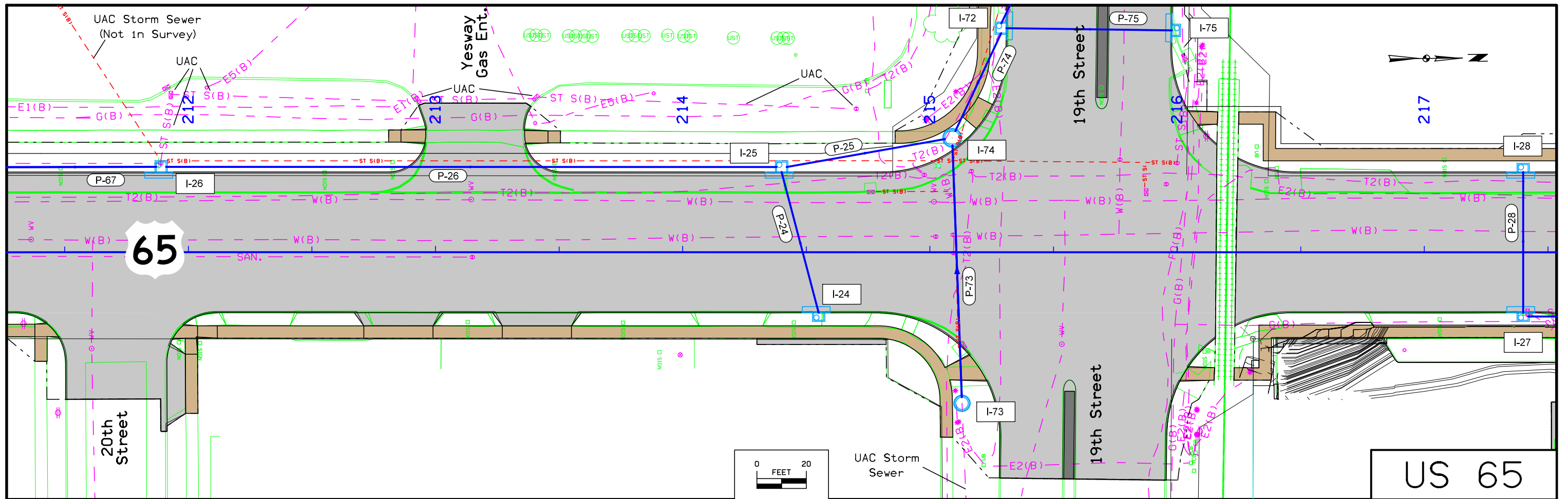
US 65

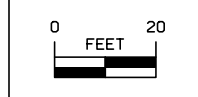
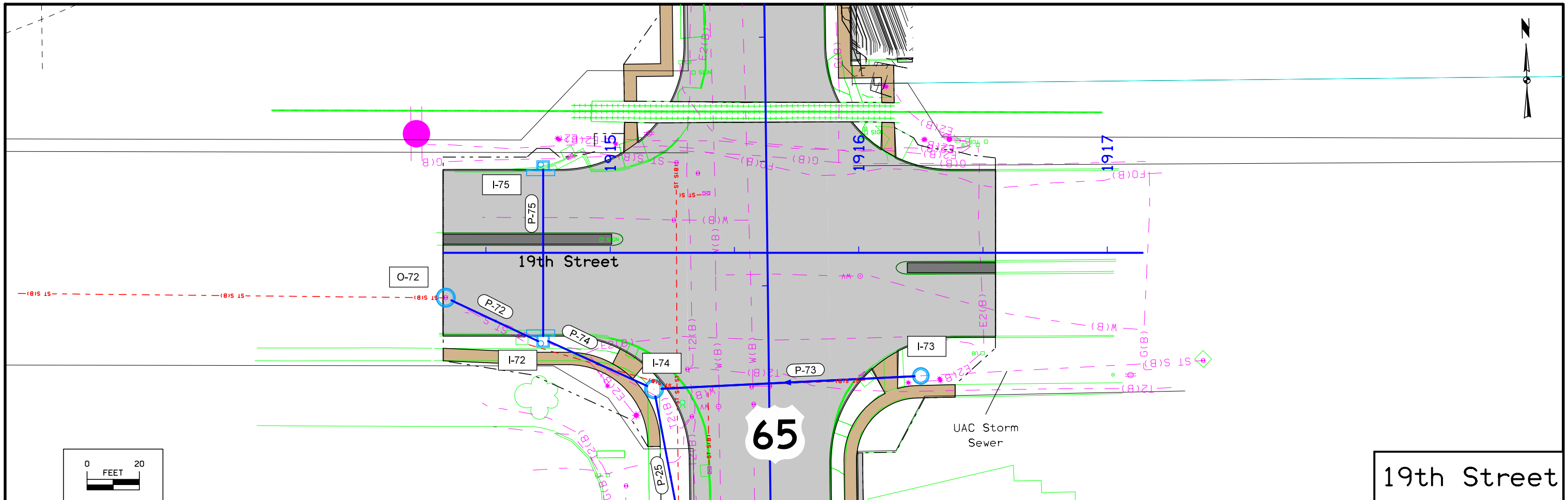


Possible Exist. 6" Stm. Swr.  
Flow Line Unknown  
(From West)

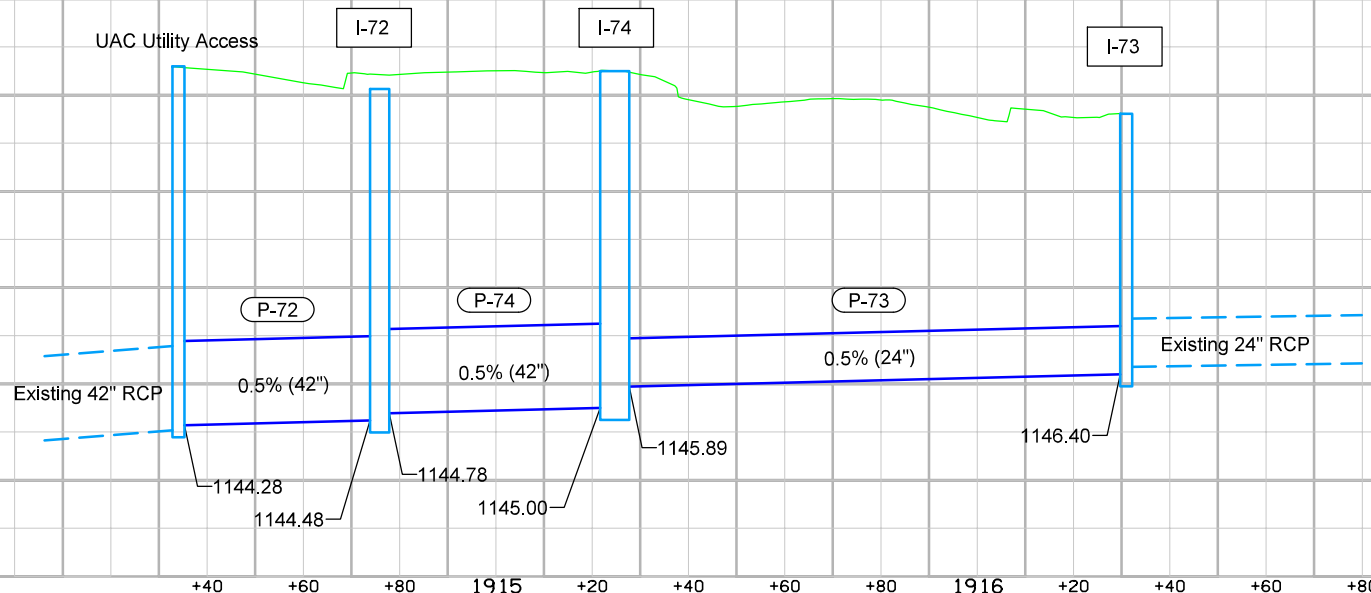
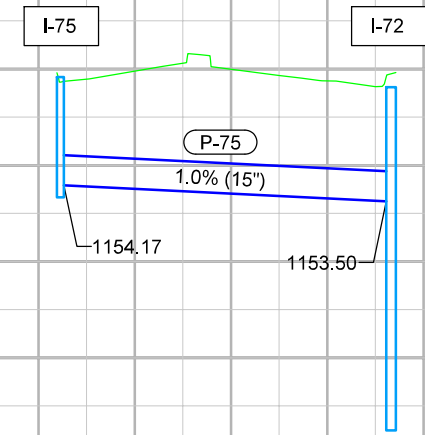


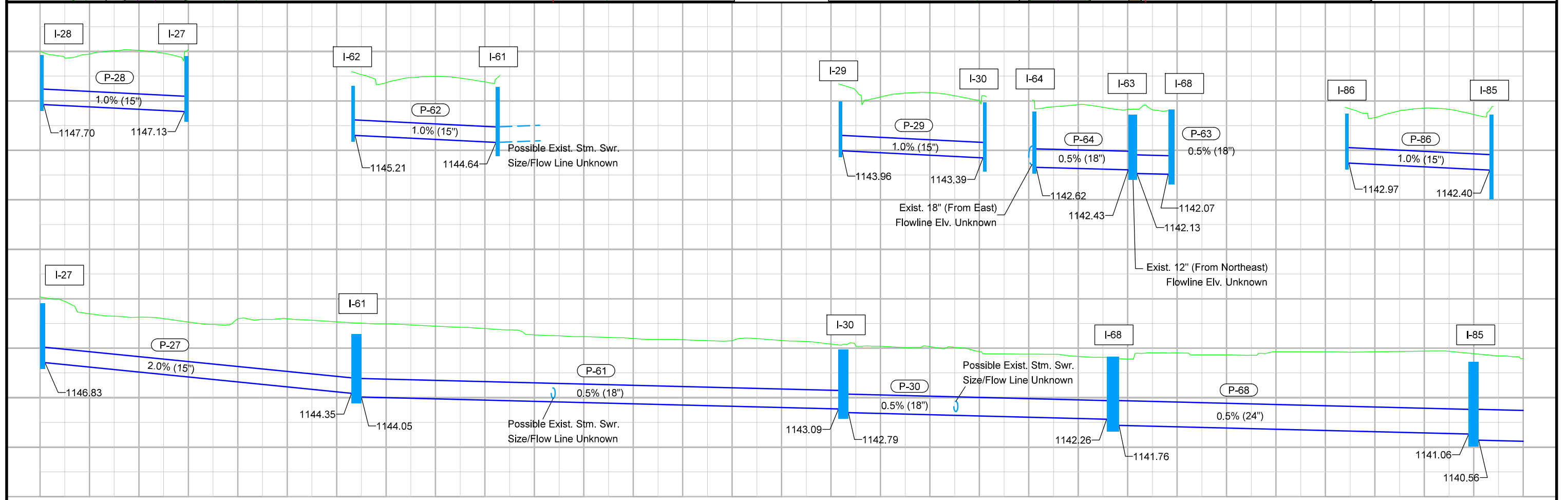
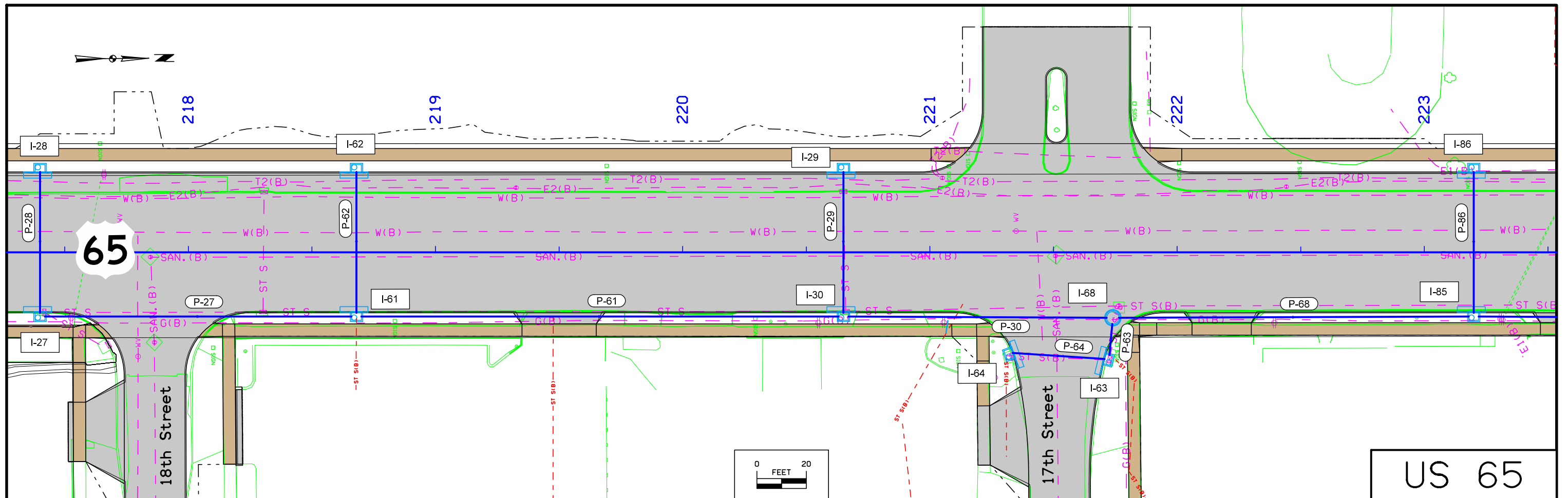


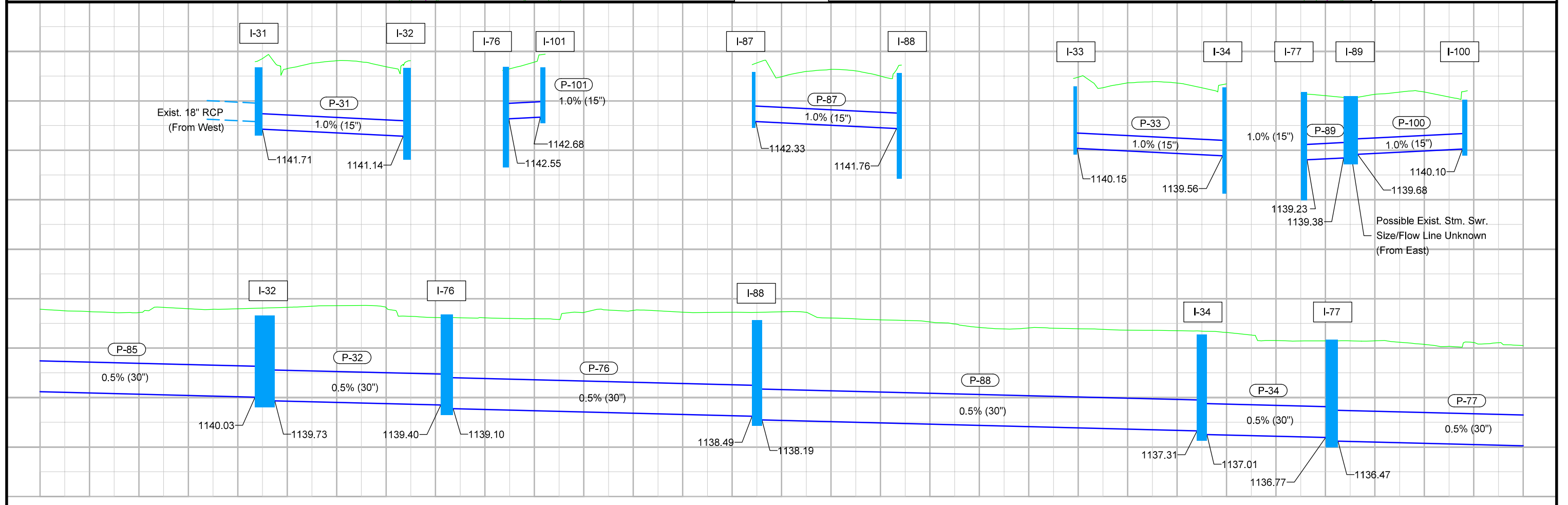
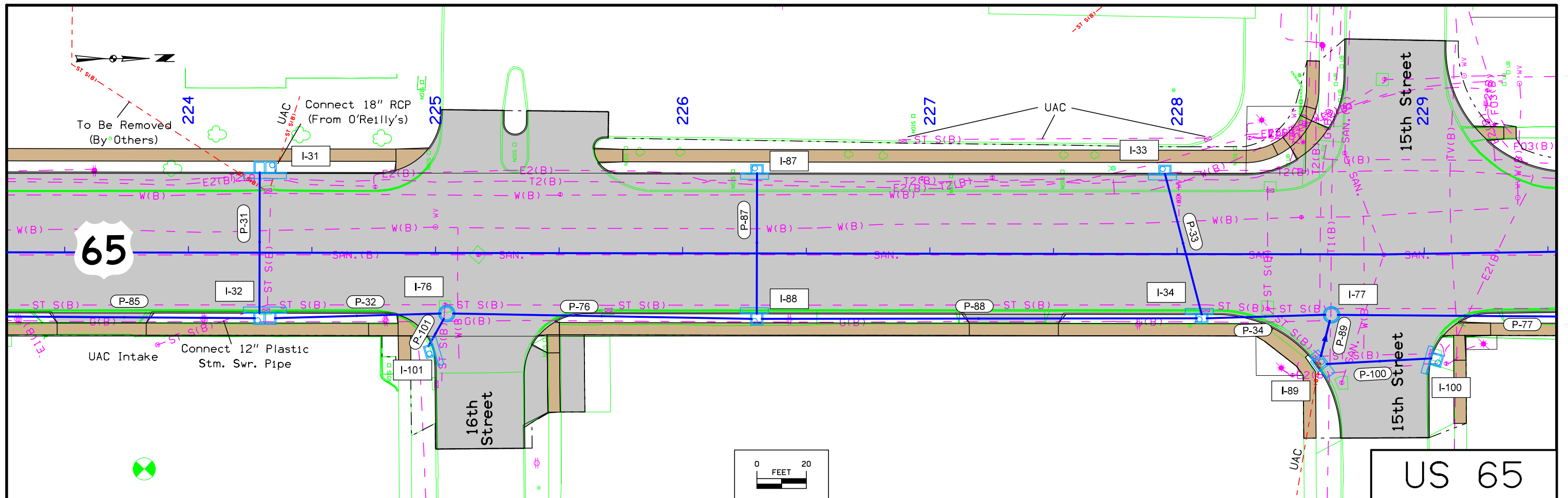


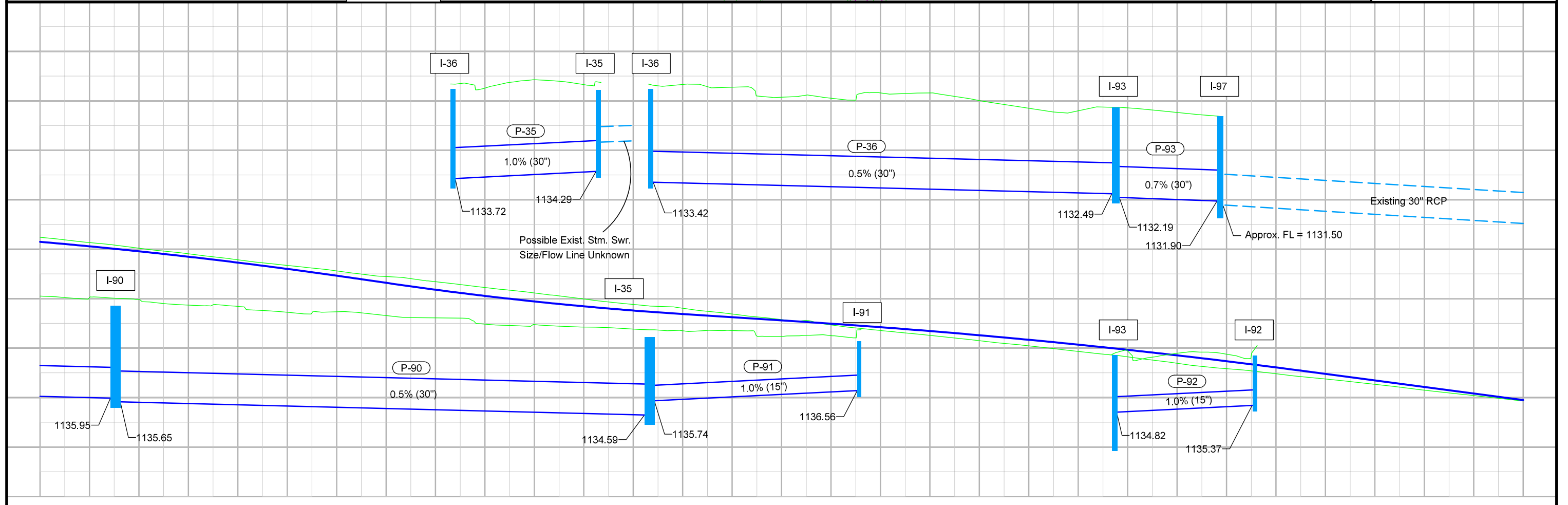
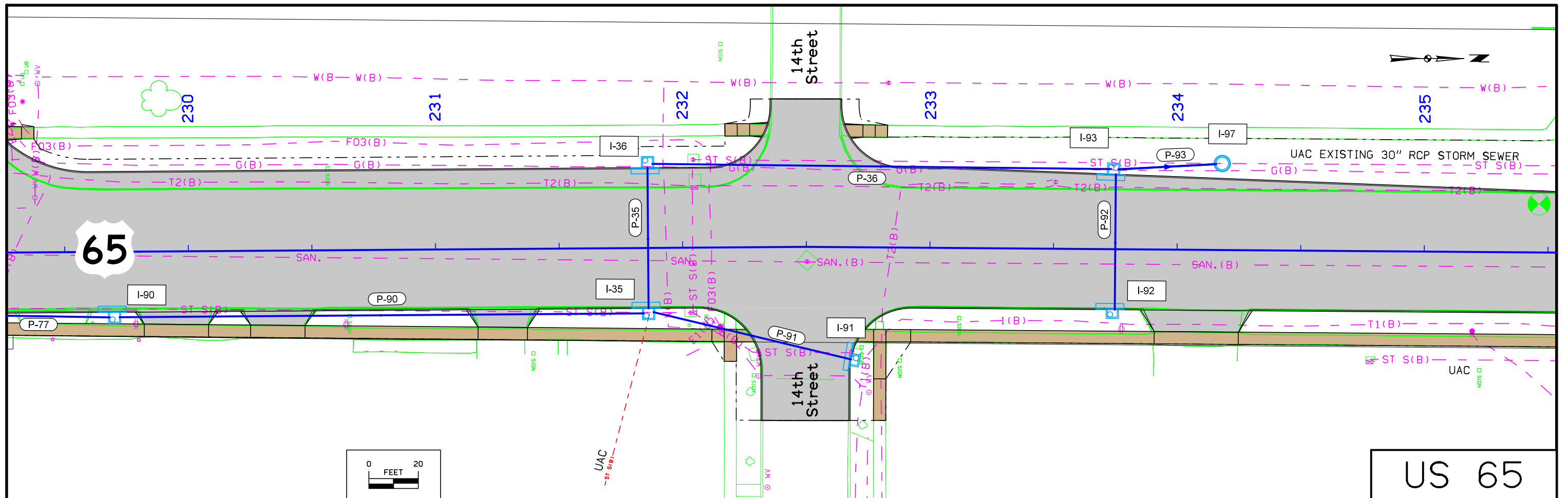


19th Street

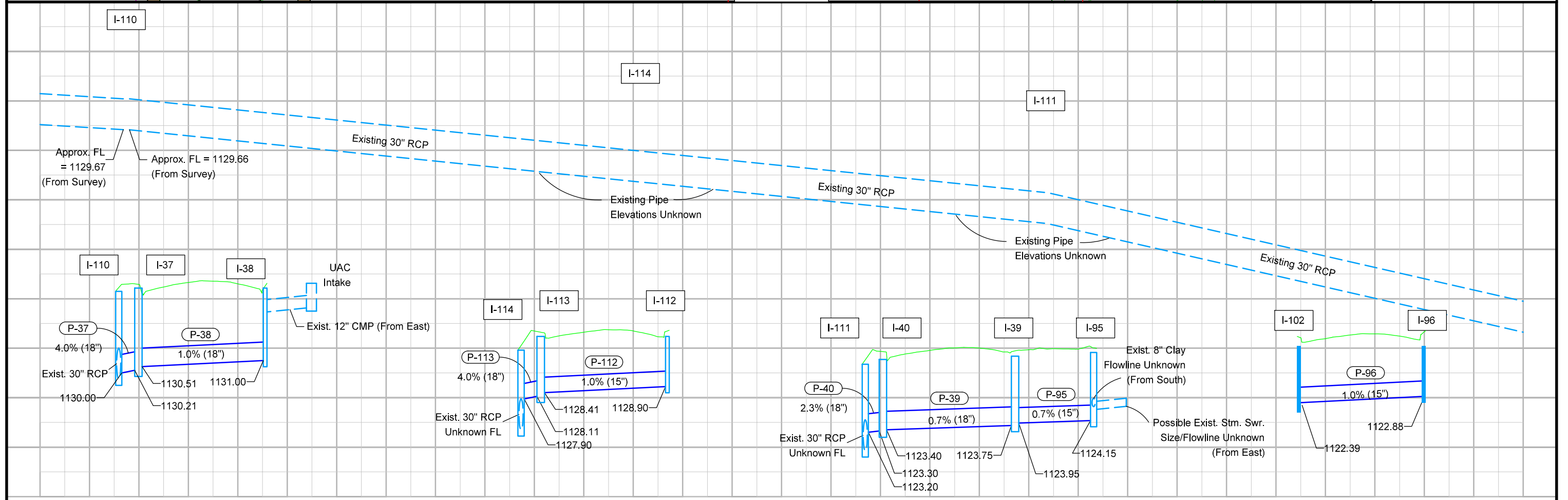
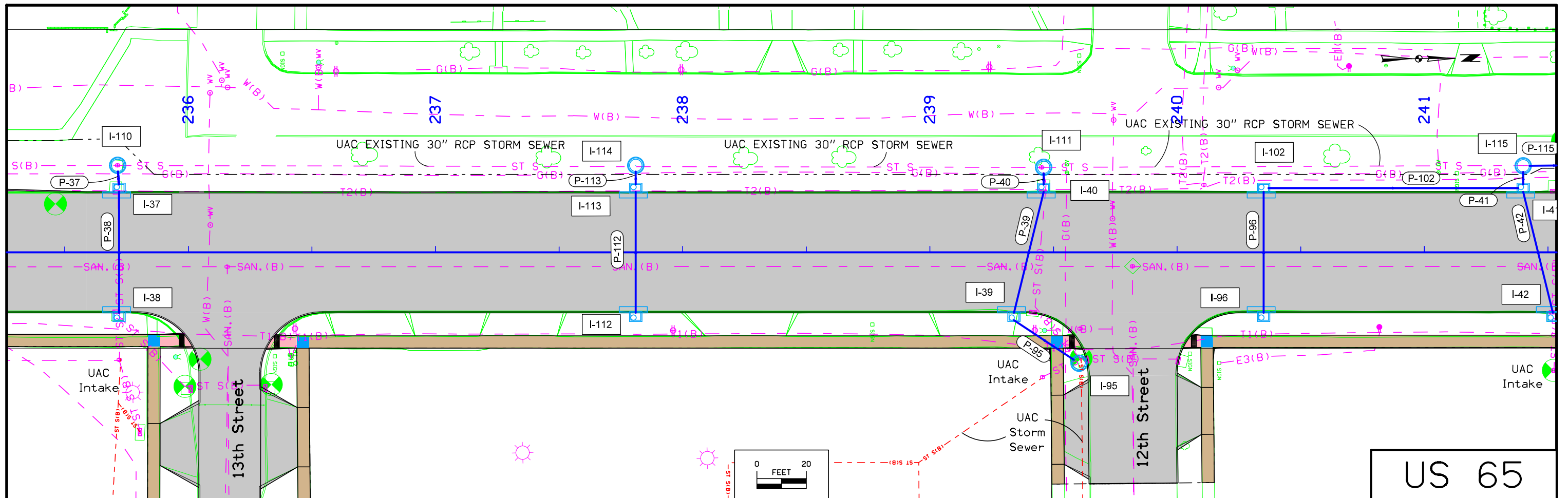


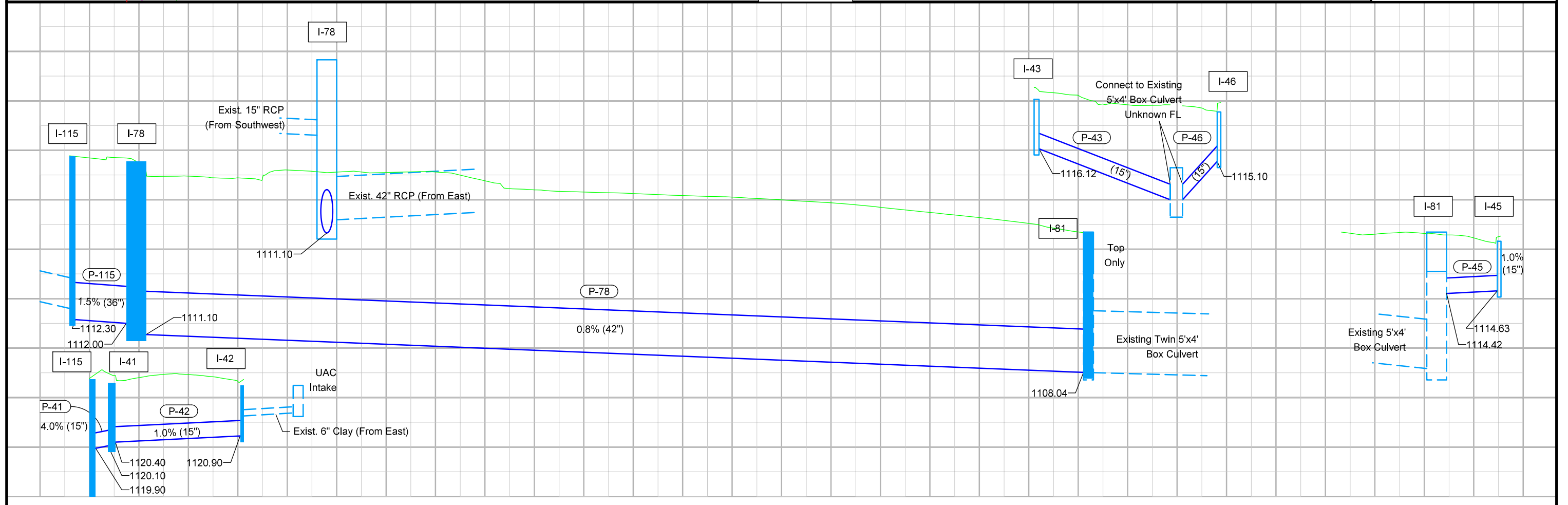
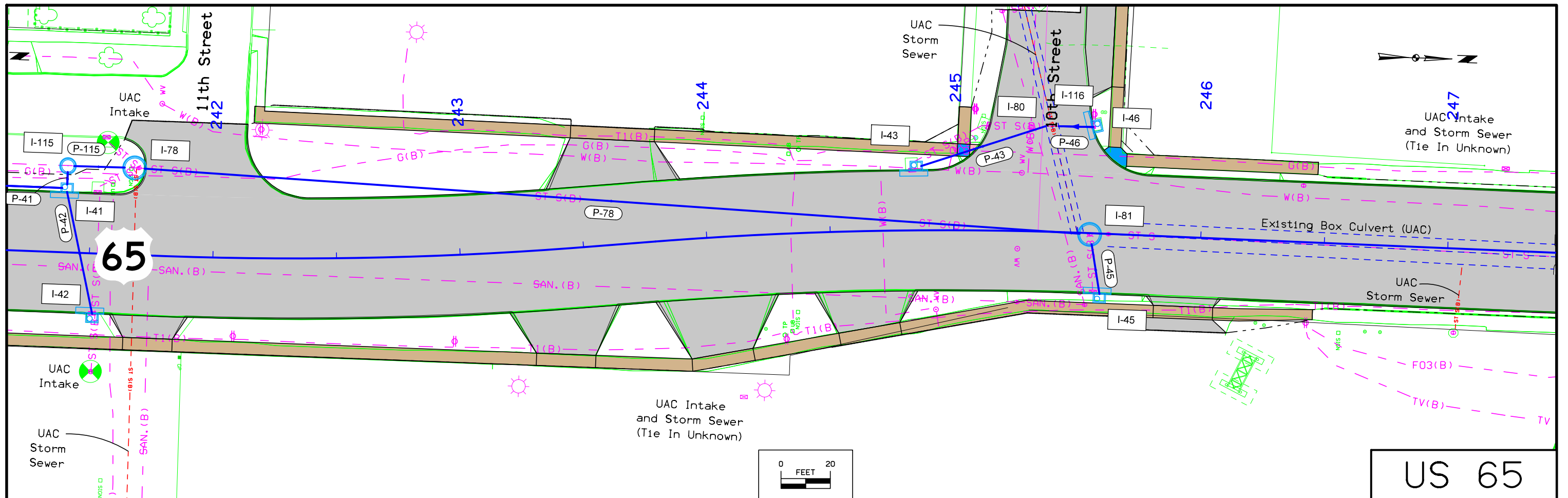


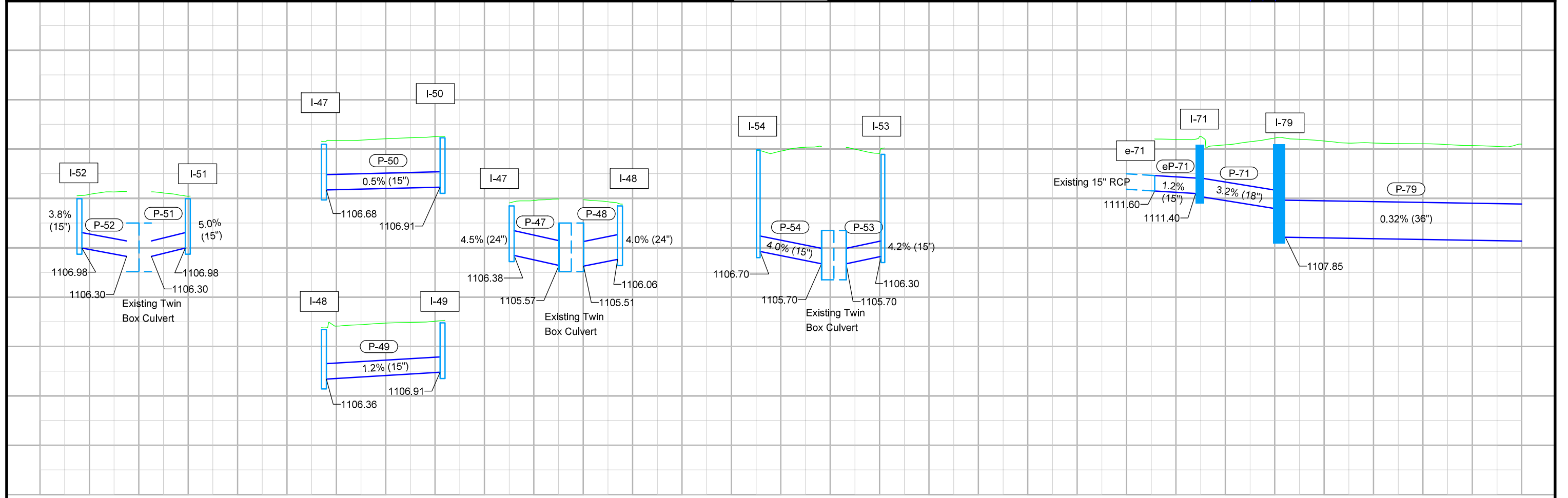
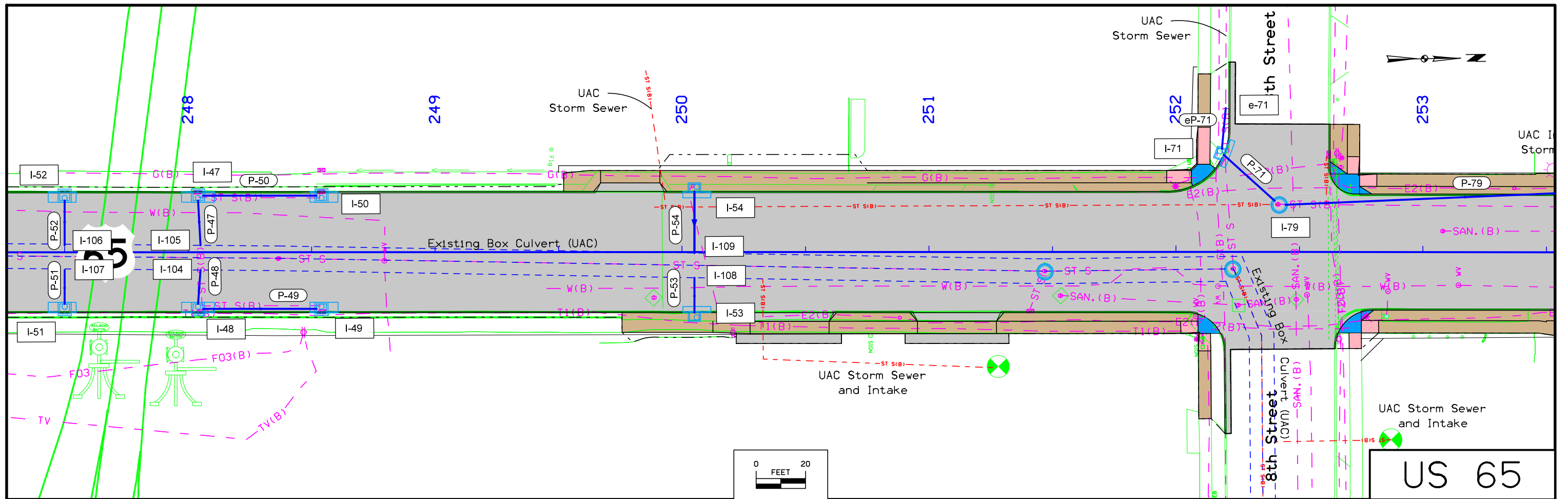


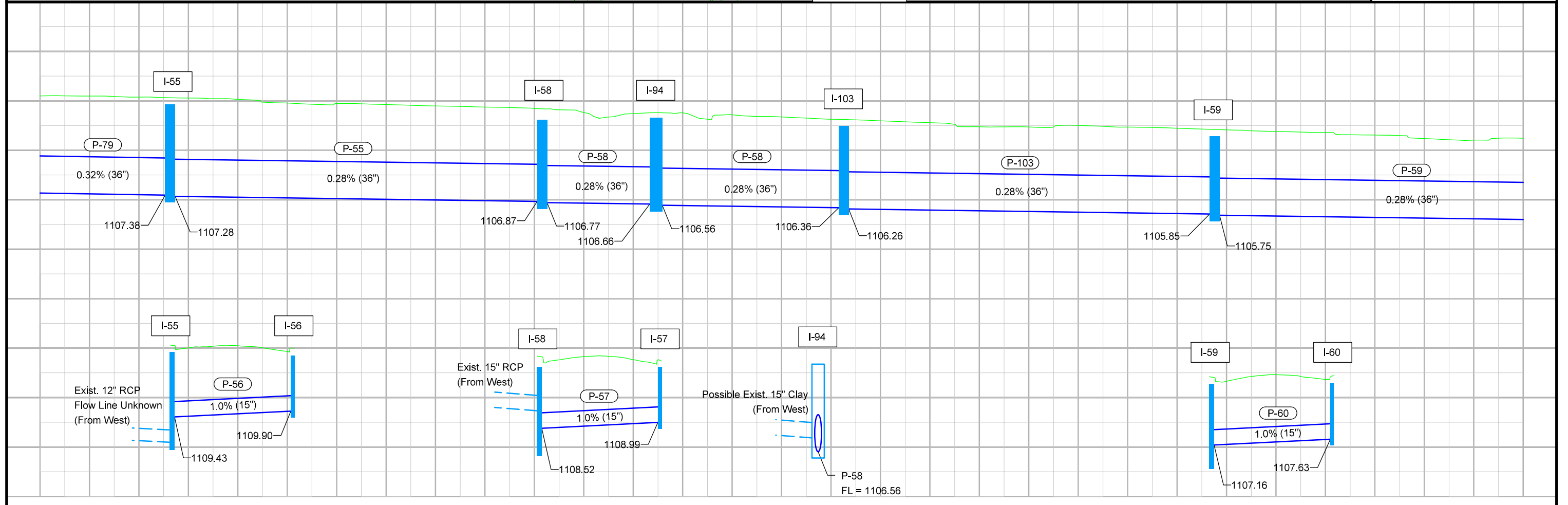
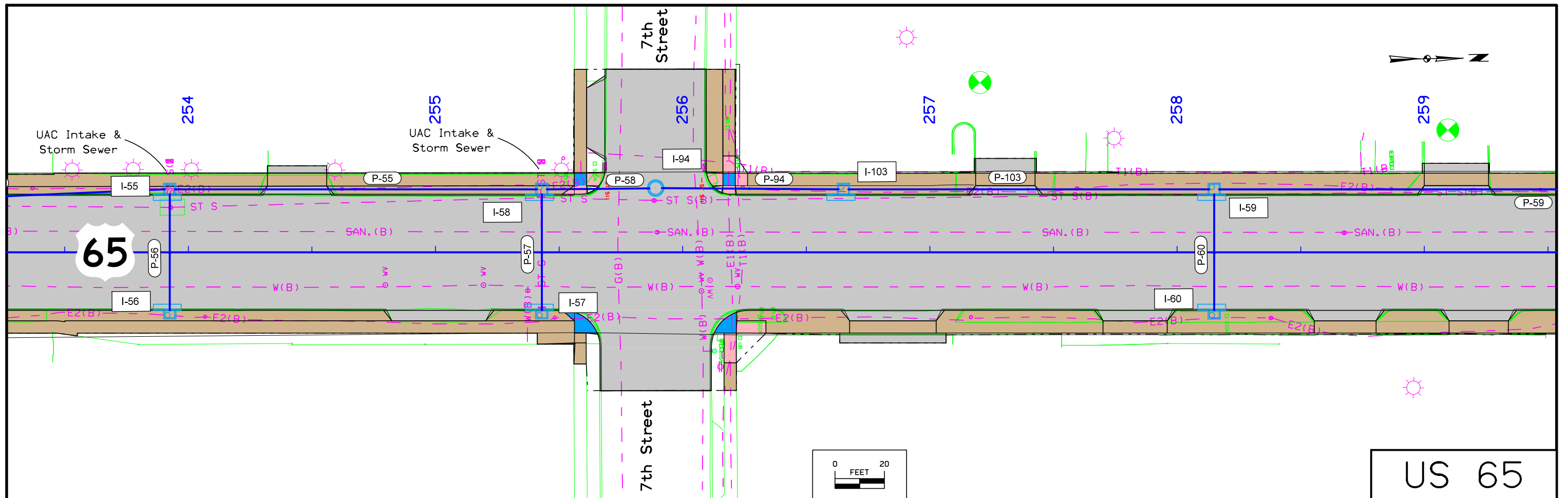


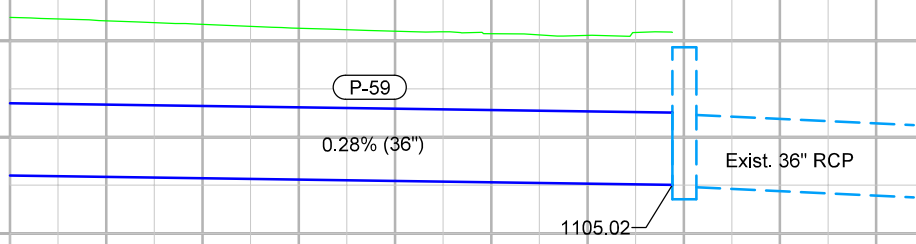
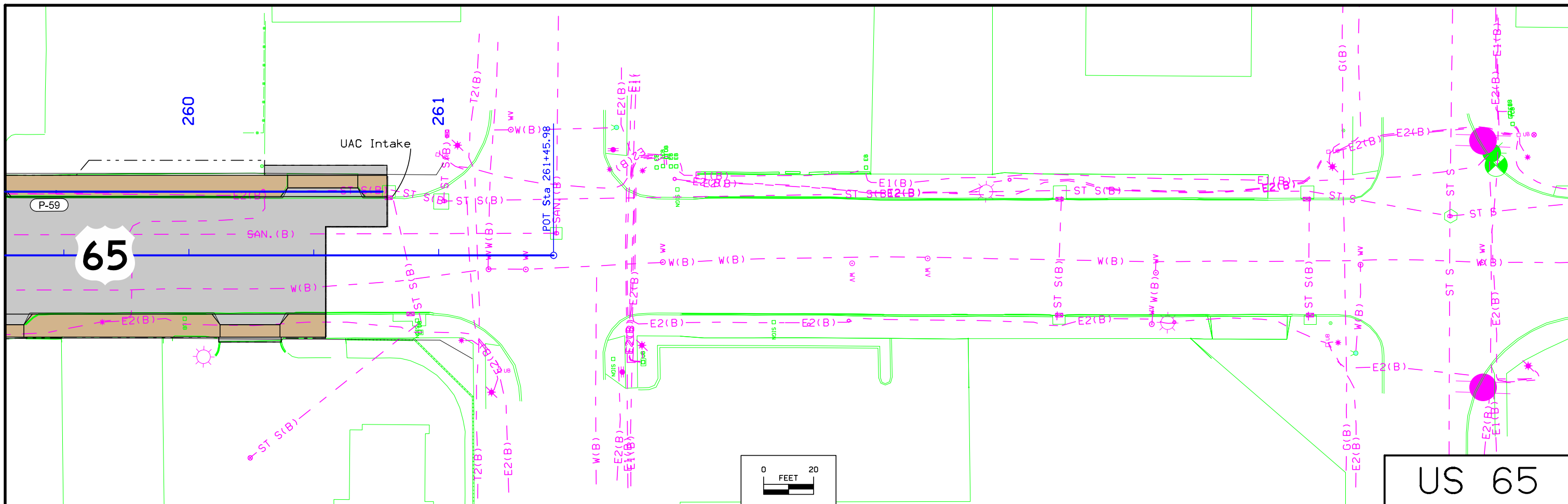


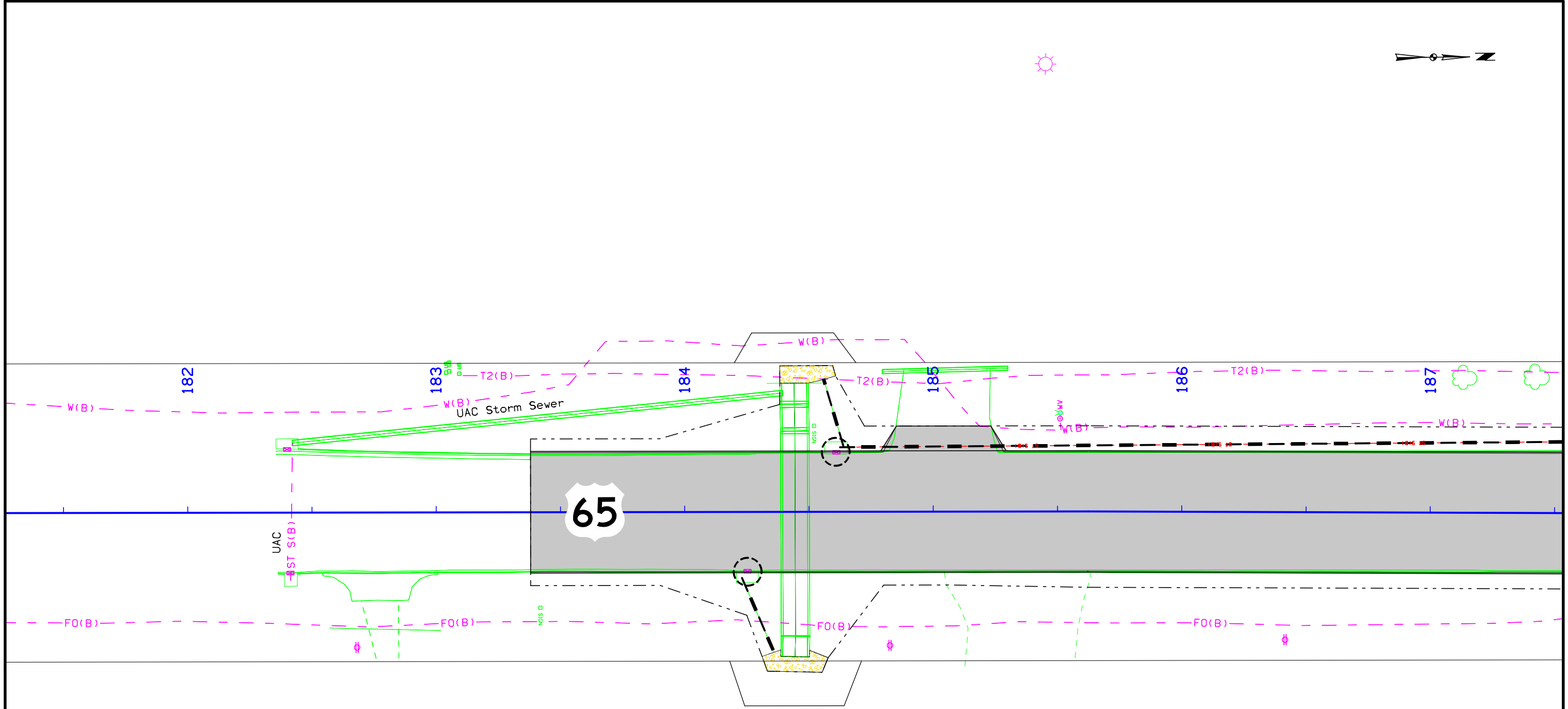
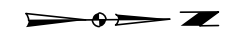







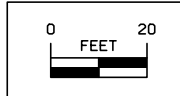




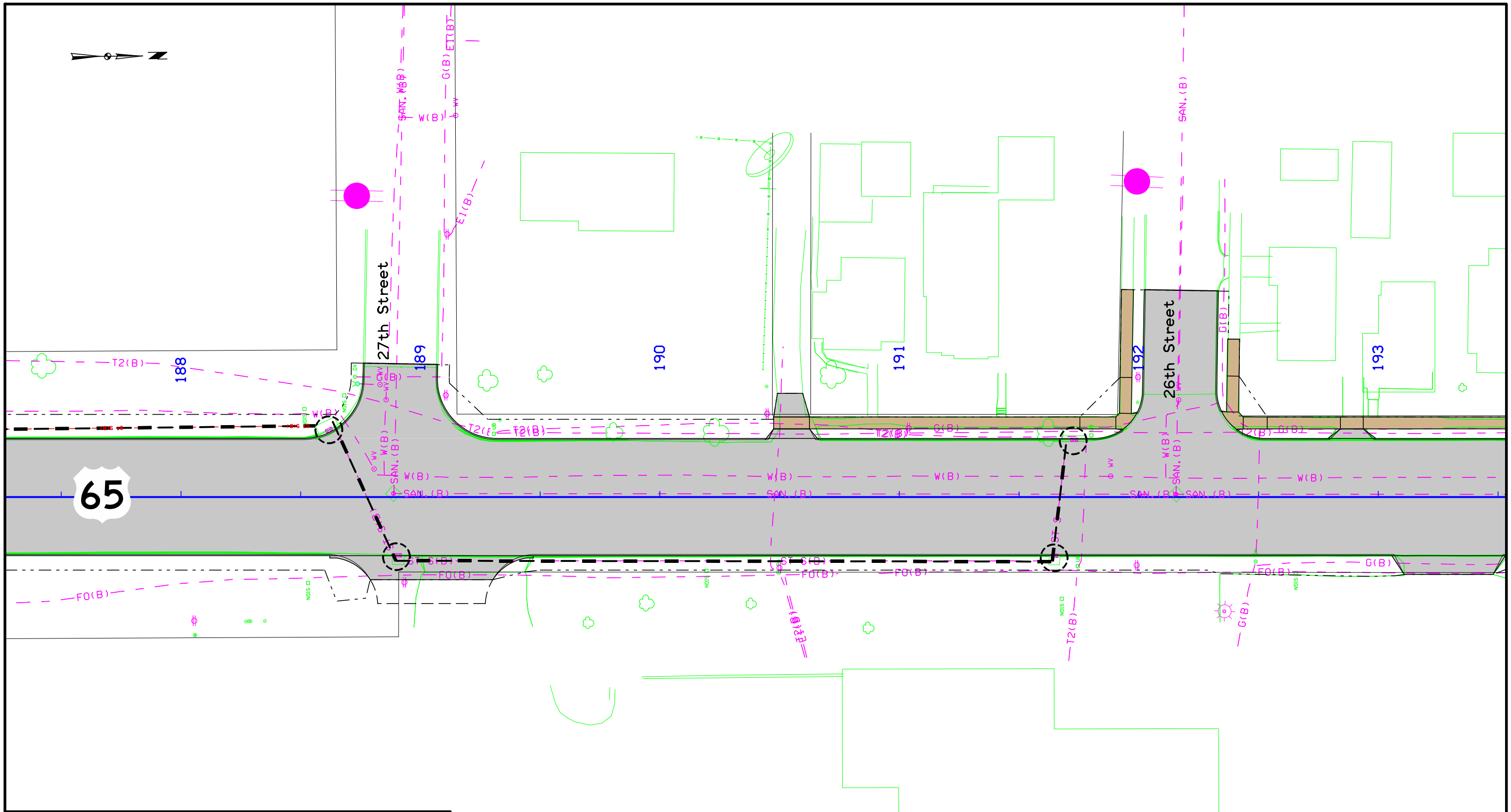
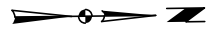




 Intake or Manhole Removal  
 Storm Sewer Removal  
 Storm Sewer Plug & Abandon



**Storm Sewer Removals**



65

27th Street

26th Street

188




189

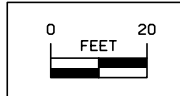
190

191

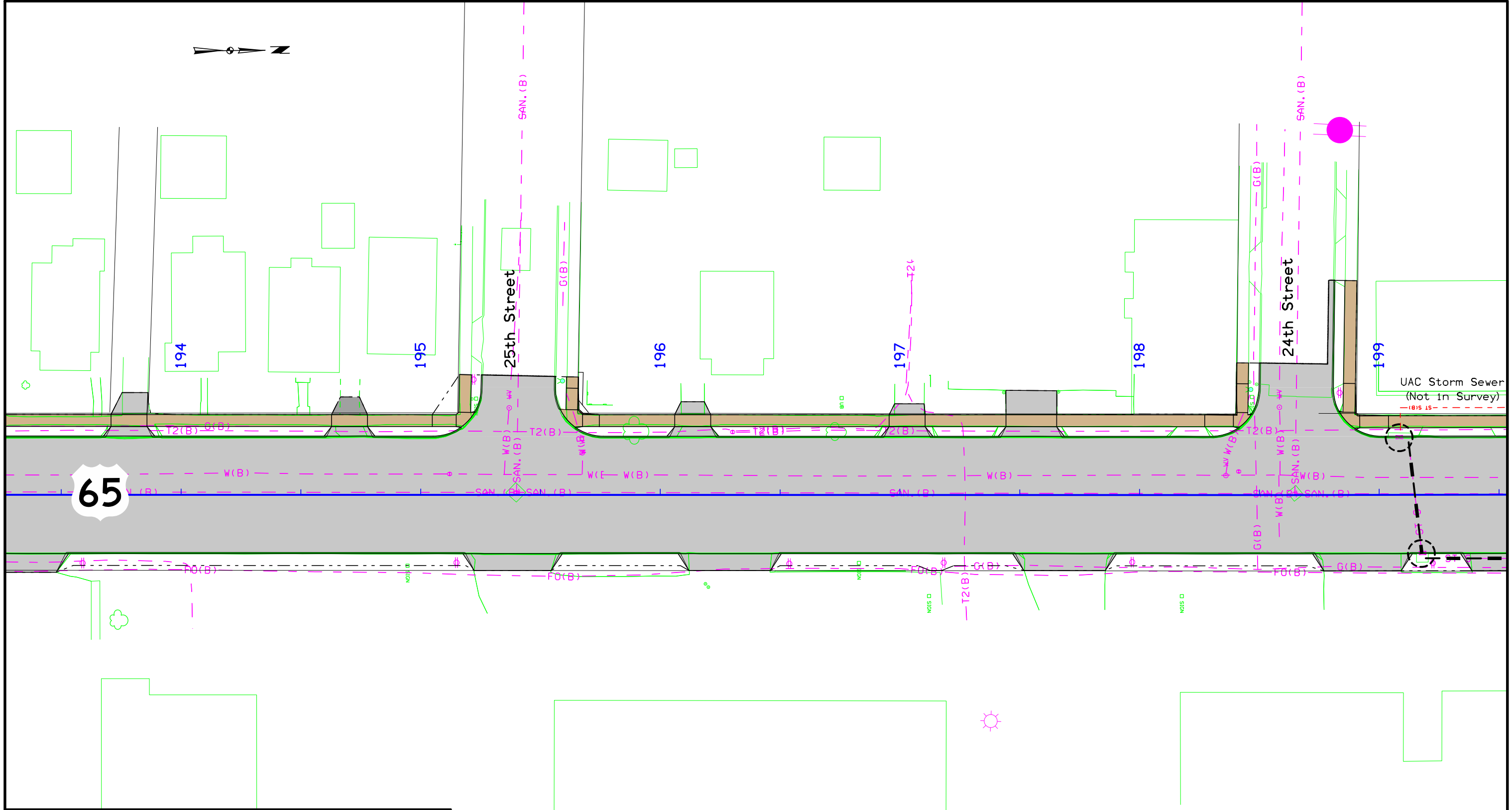
192

193

-  Intake or Manhole Removal
-  Storm Sewer Removal
-  Storm Sewer Plug & Abandon






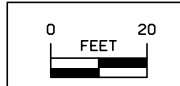
**Storm Sewer  
Removals**



UAC Storm Sewer  
(Not in Survey)

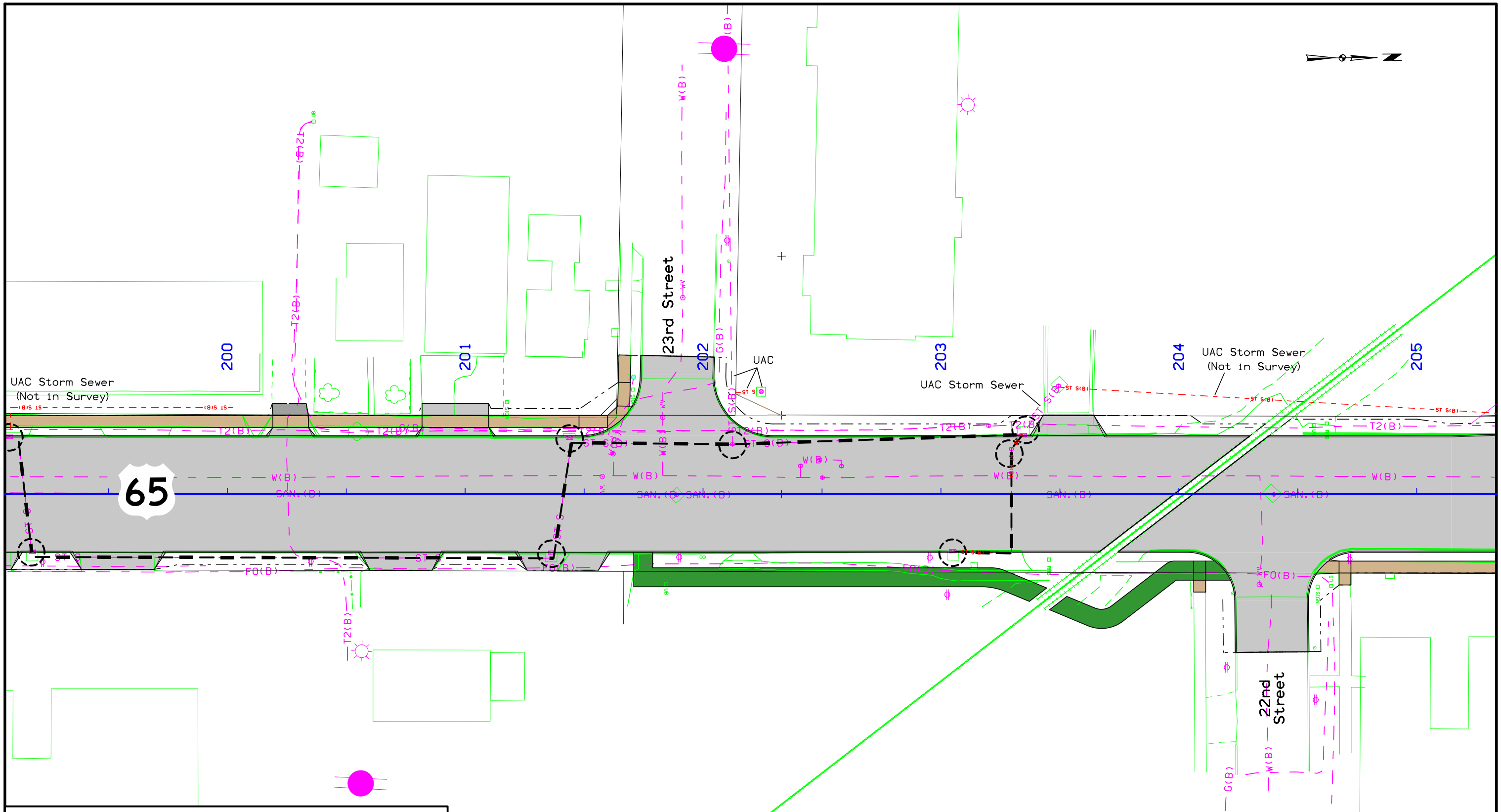
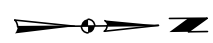
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 Intake or Manhole Removal  
 Storm Sewer Removal  
 Storm Sewer Plug & Abandon

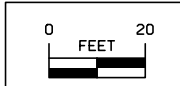


**Storm Sewer  
Removals**

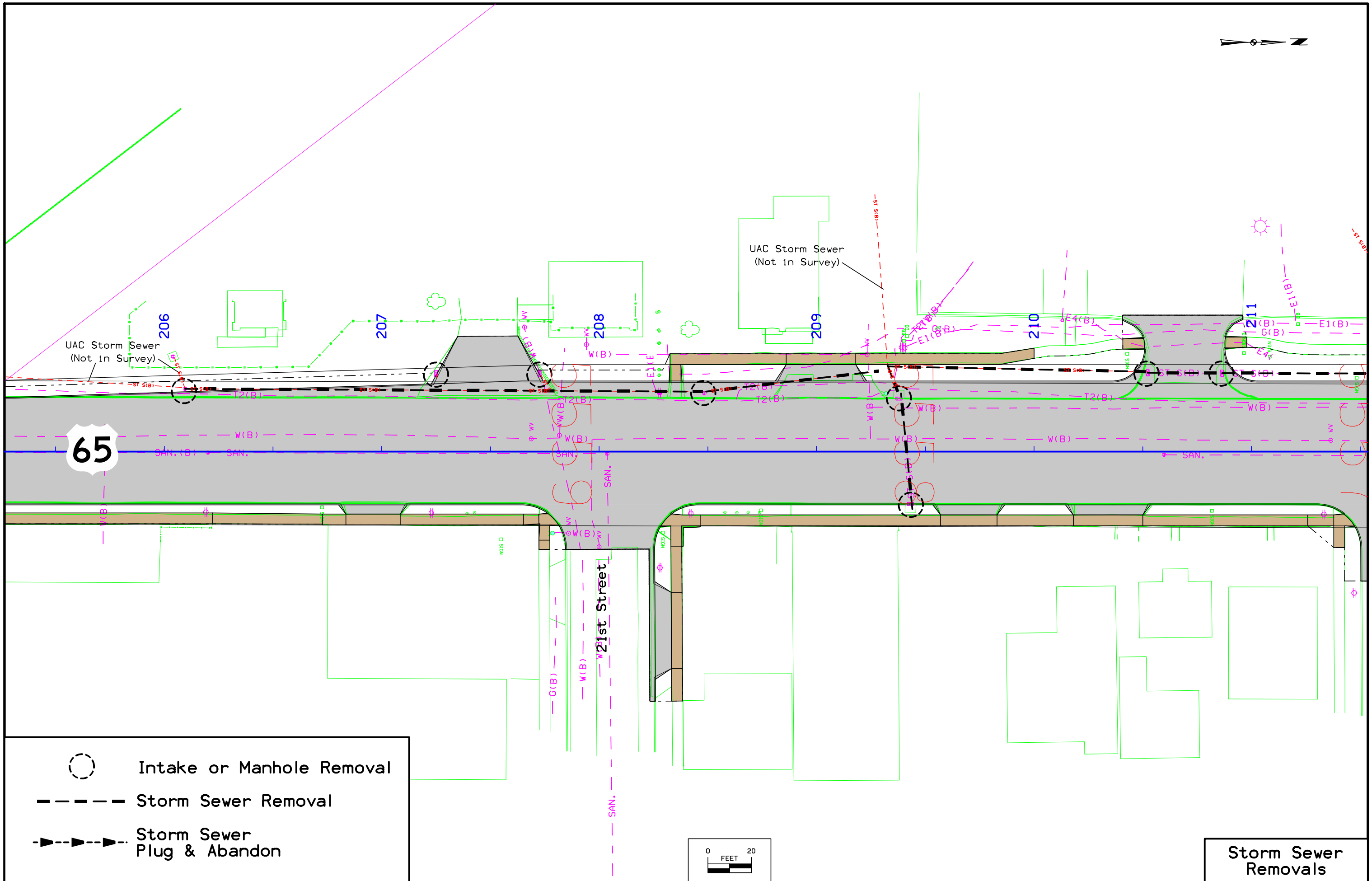
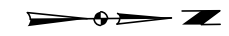




 Intake or Manhole Removal  
 Storm Sewer Removal  
 Storm Sewer Plug & Abandon



**Storm Sewer Removals**






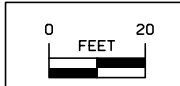
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UAC Storm Sewer  
(Not in Survey)

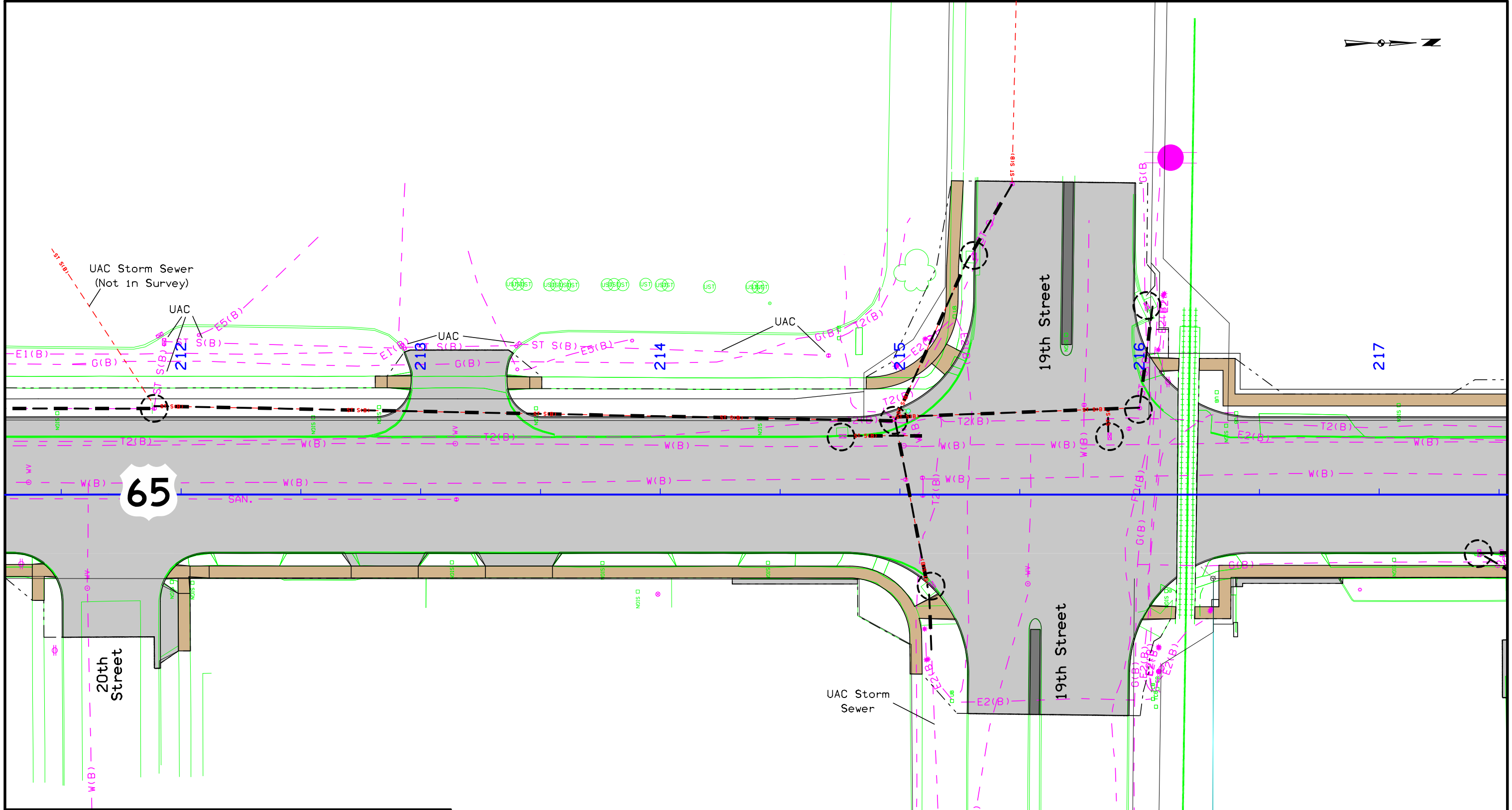
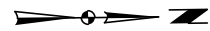
UAC Storm Sewer  
(Not in Survey)




21st Street

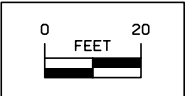
-  Intake or Manhole Removal
-  Storm Sewer Removal
-  Storm Sewer Plug & Abandon



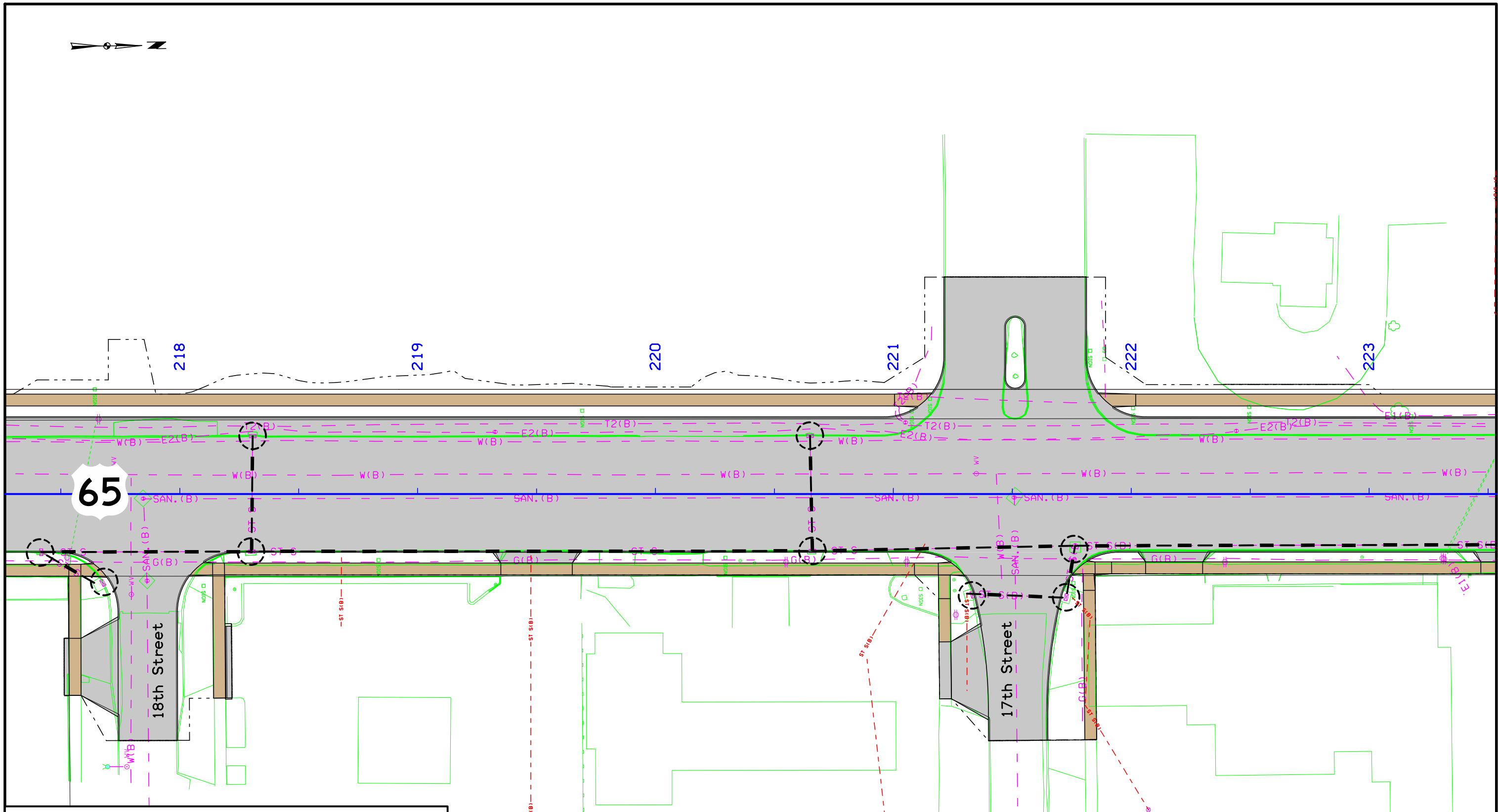
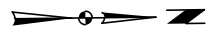
**Storm Sewer  
Removals**






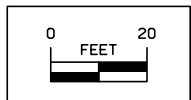
 Intake or Manhole Removal  
 Storm Sewer Removal  
 Storm Sewer Plug & Abandon



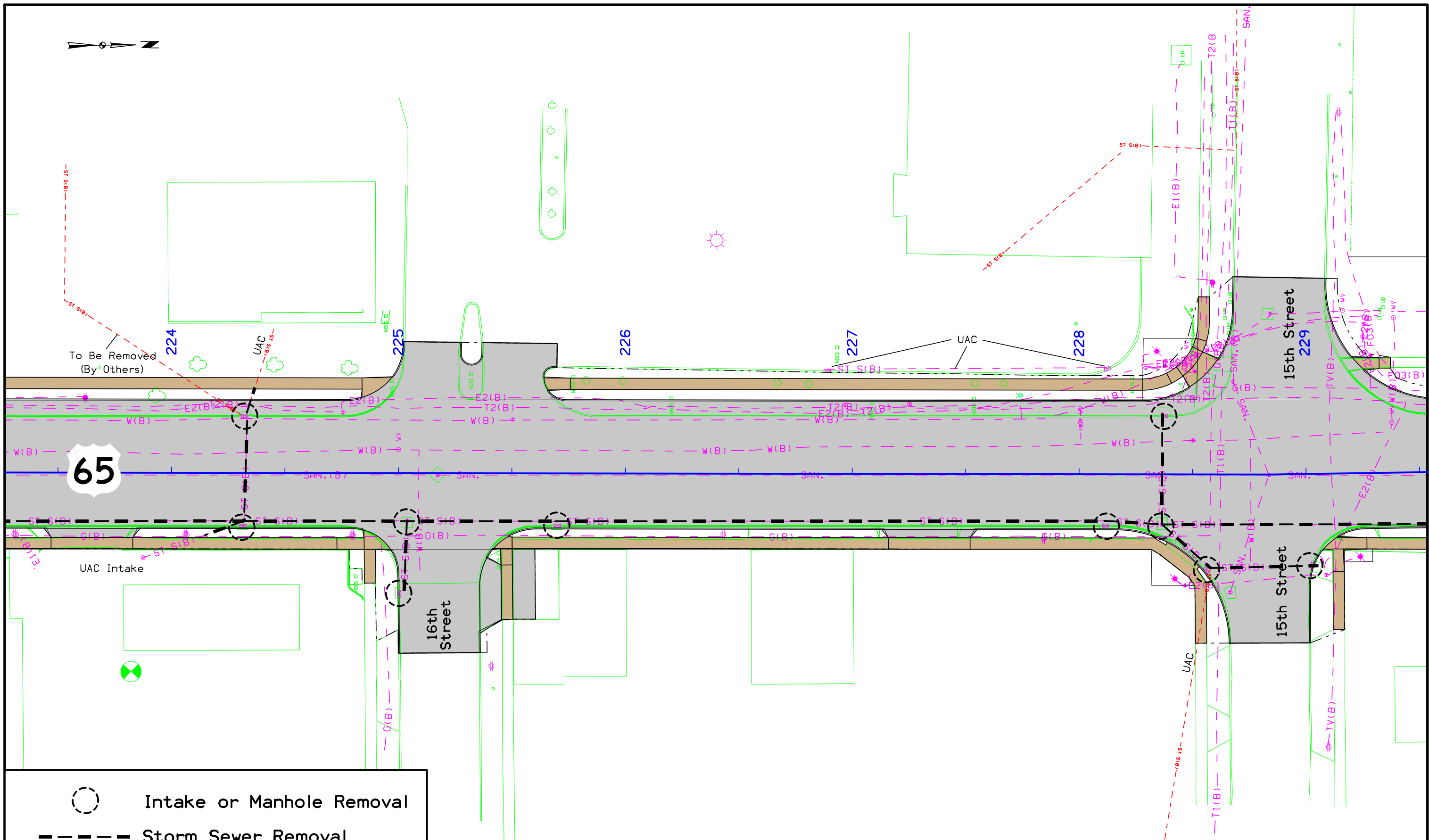
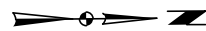
**Storm Sewer Removals**



 Intake or Manhole Removal  
 Storm Sewer Removal  
 Storm Sewer Plug & Abandon



**Storm Sewer Removals**



65

224

225

226

227

228

15th Street  
229

16th Street




15th Street

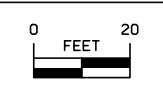
To Be Removed  
(By Others)

UAC

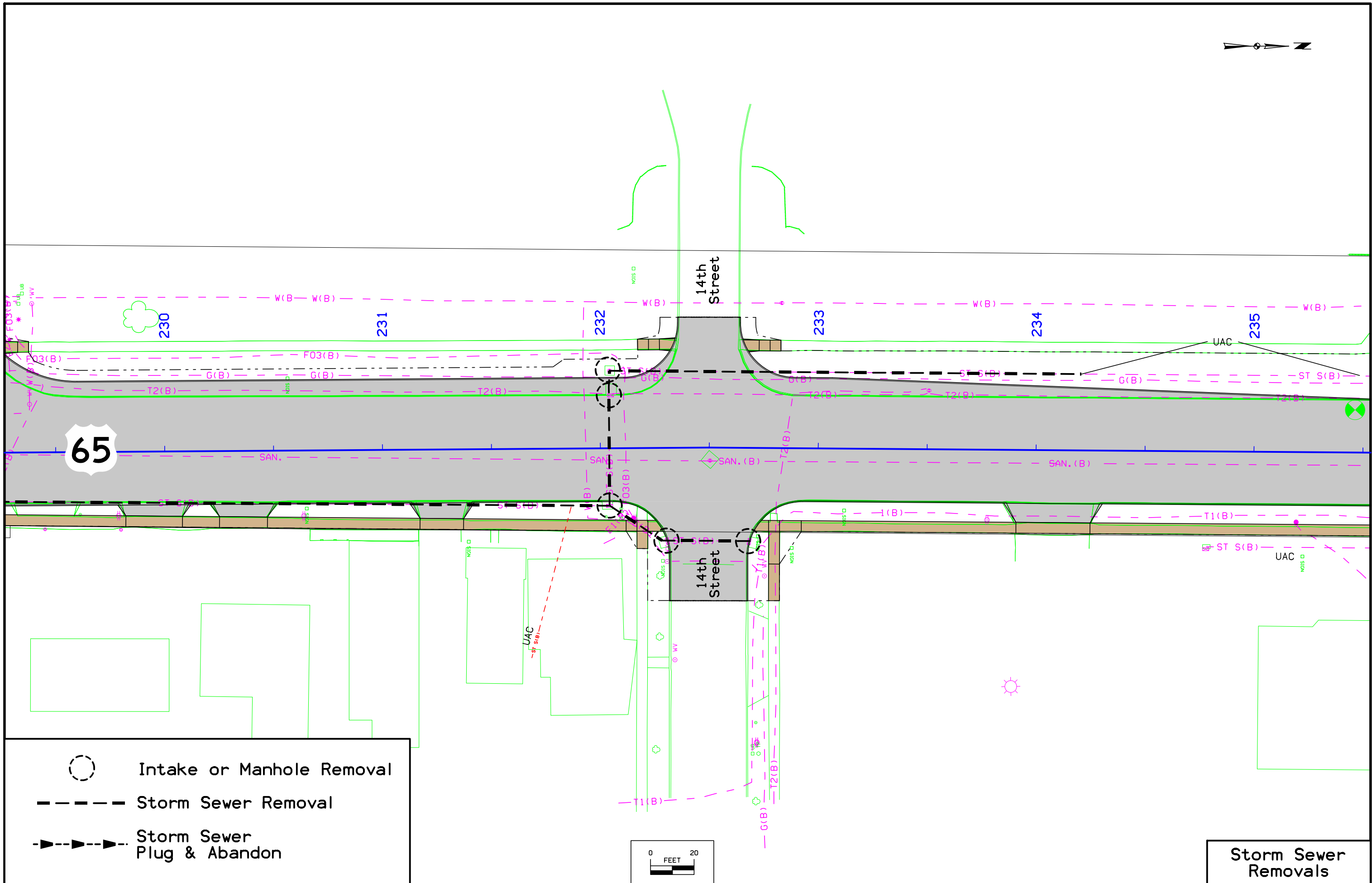
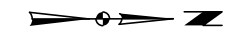
UAC

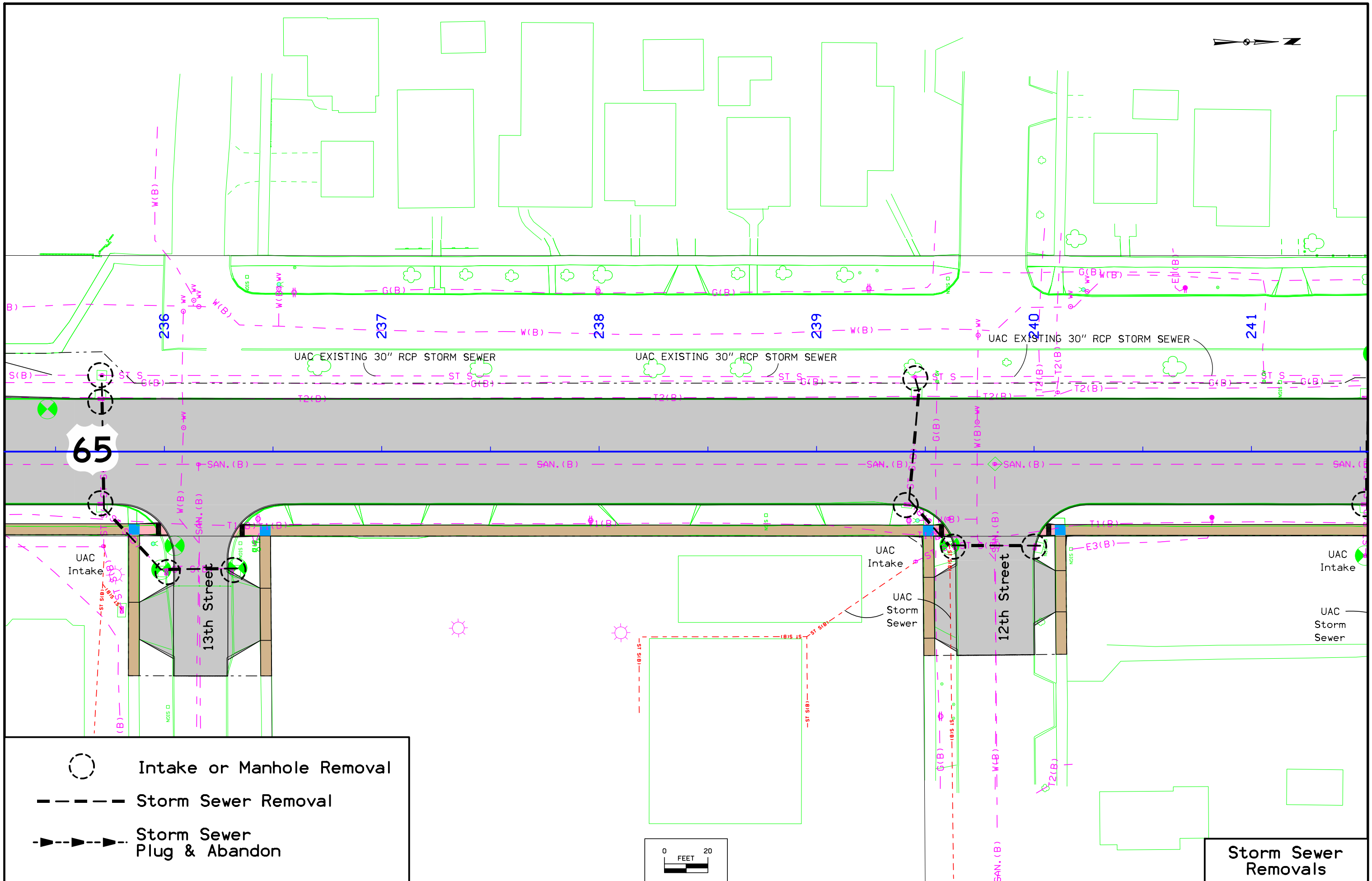
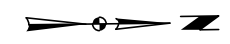
UAC Intake




-  Intake or Manhole Removal
-  Storm Sewer Removal
-  Storm Sewer Plug & Abandon

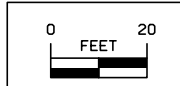


Storm Sewer  
Removals

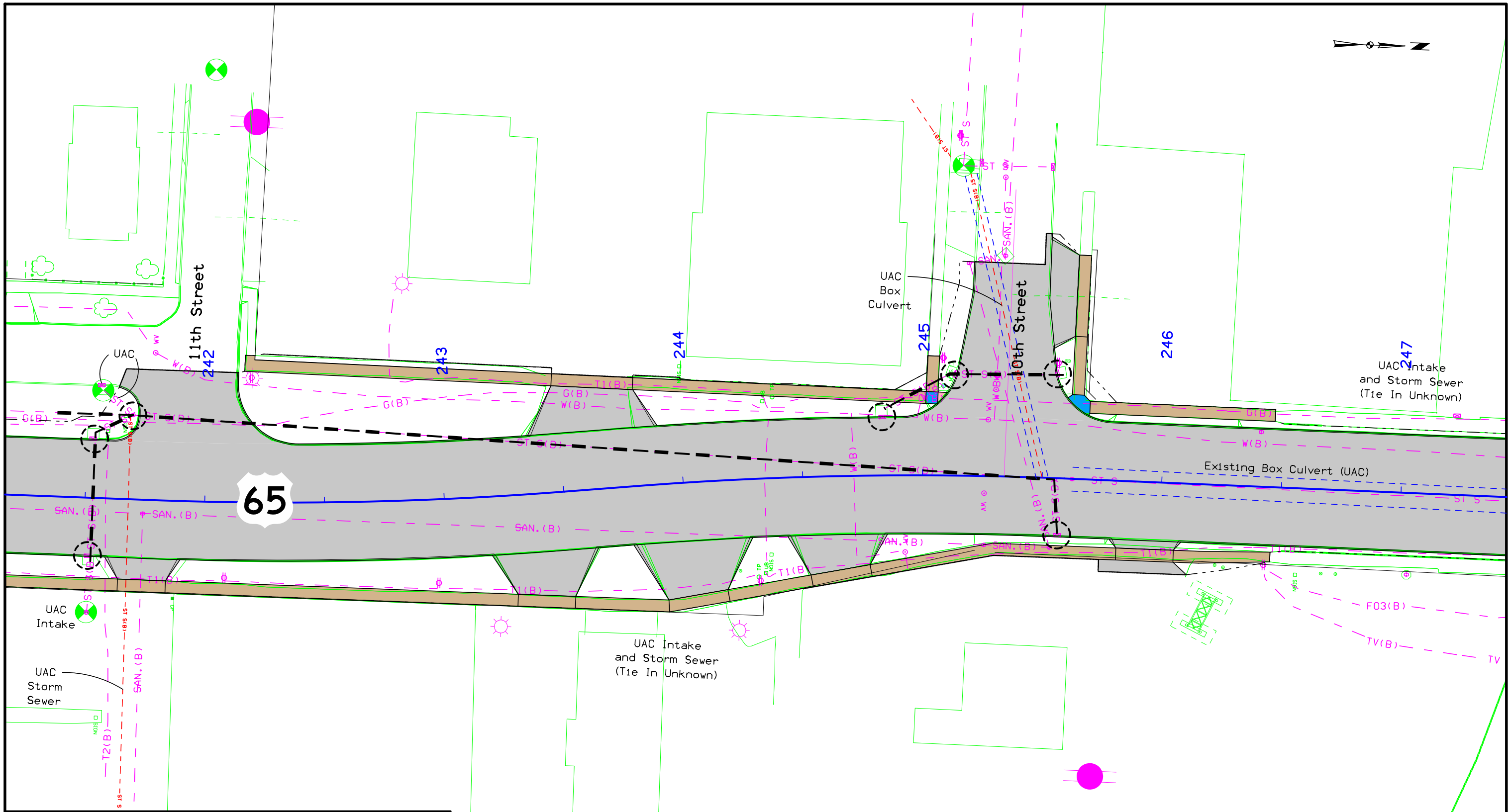
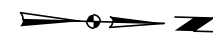







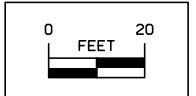
-  Intake or Manhole Removal
-  Storm Sewer Removal
-  Storm Sewer Plug & Abandon



**Storm Sewer Removals**

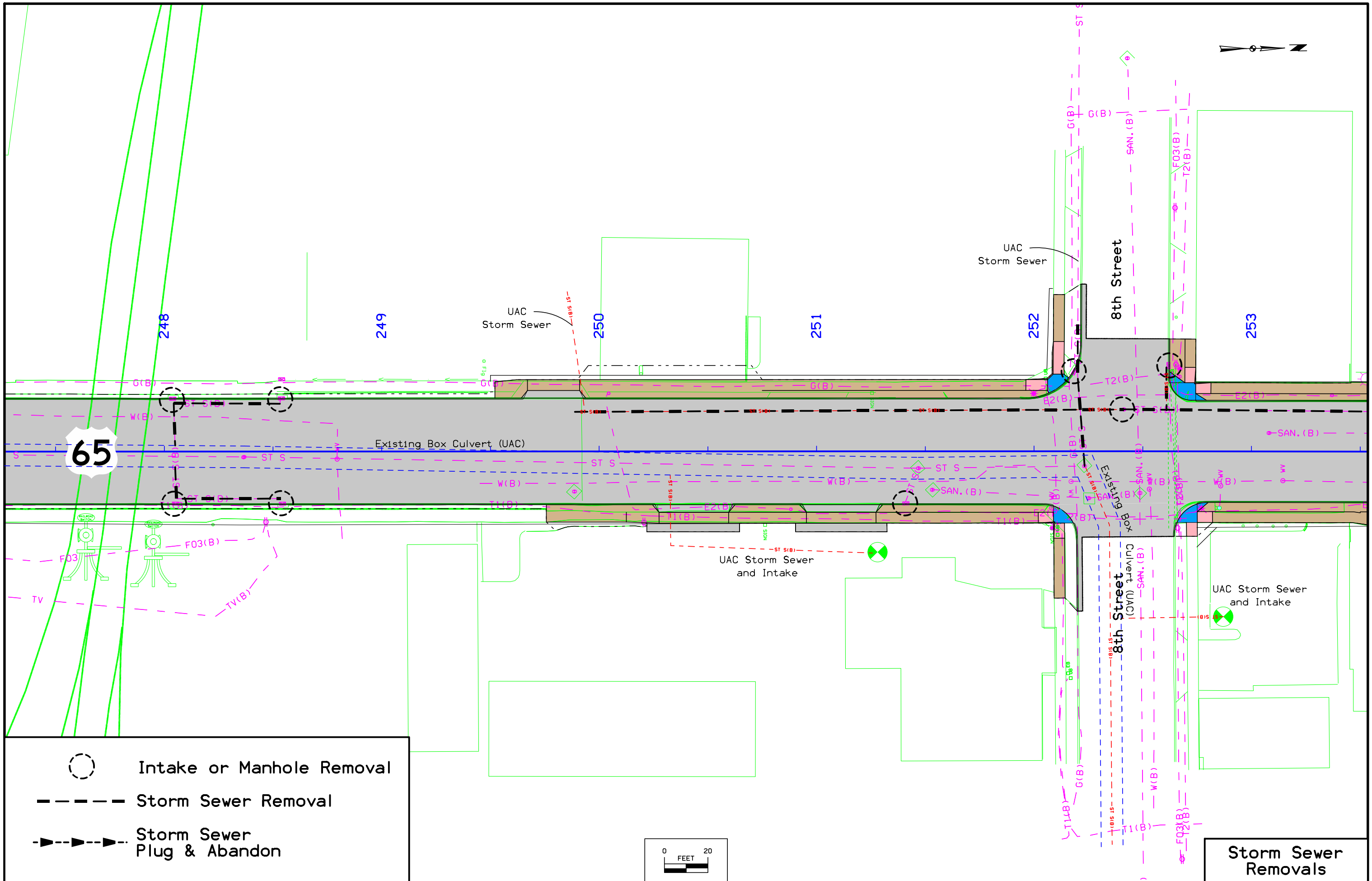





 Intake or Manhole Removal  
 Storm Sewer Removal  
 Storm Sewer Plug & Abandon



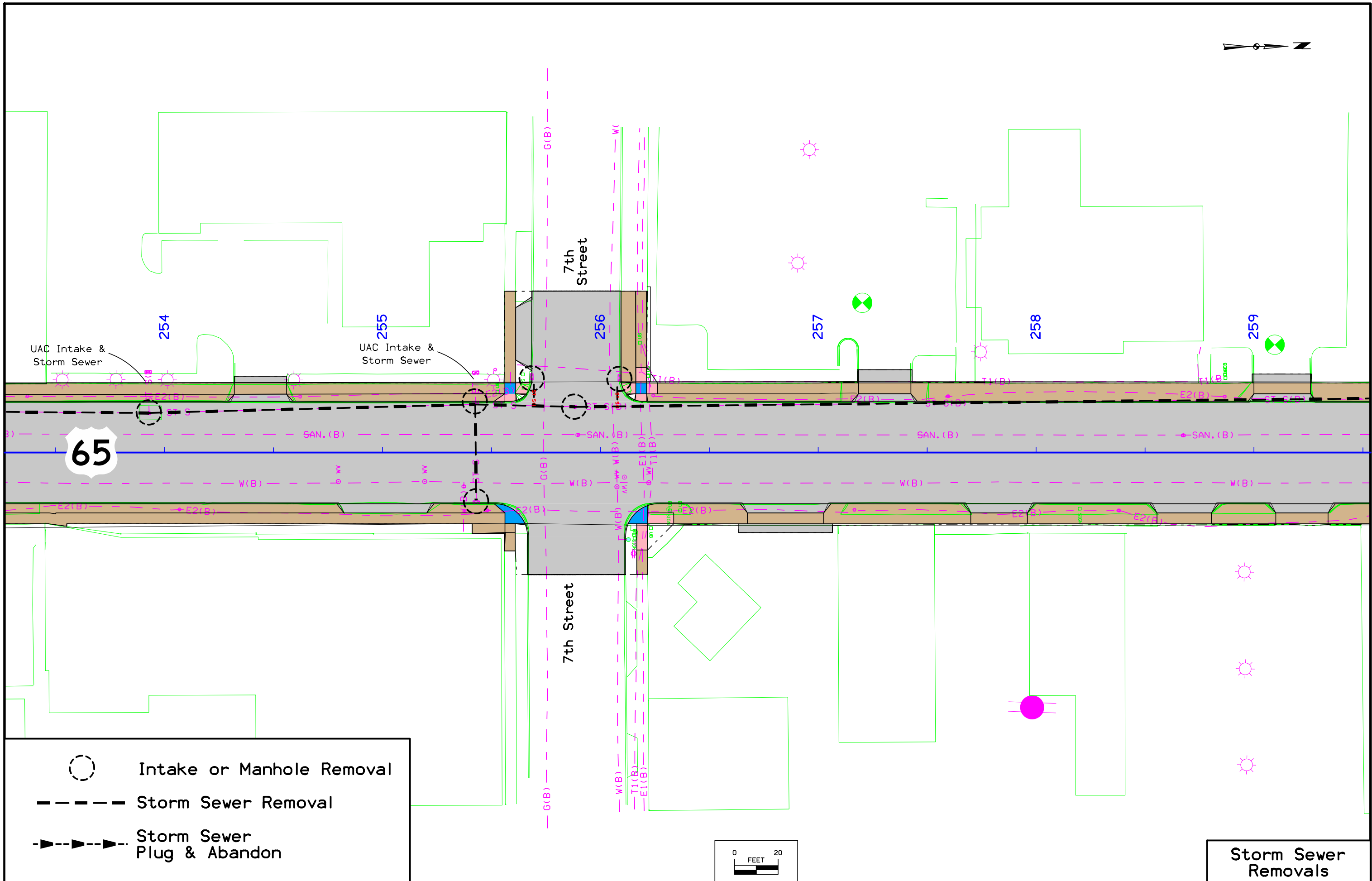
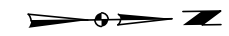
**Storm Sewer Removals**





 Intake or Manhole Removal  
 Storm Sewer Removal  
 Storm Sewer Plug & Abandon

**Storm Sewer Removals**



65

7th Street

7th Street

254

255

256




257

258

259

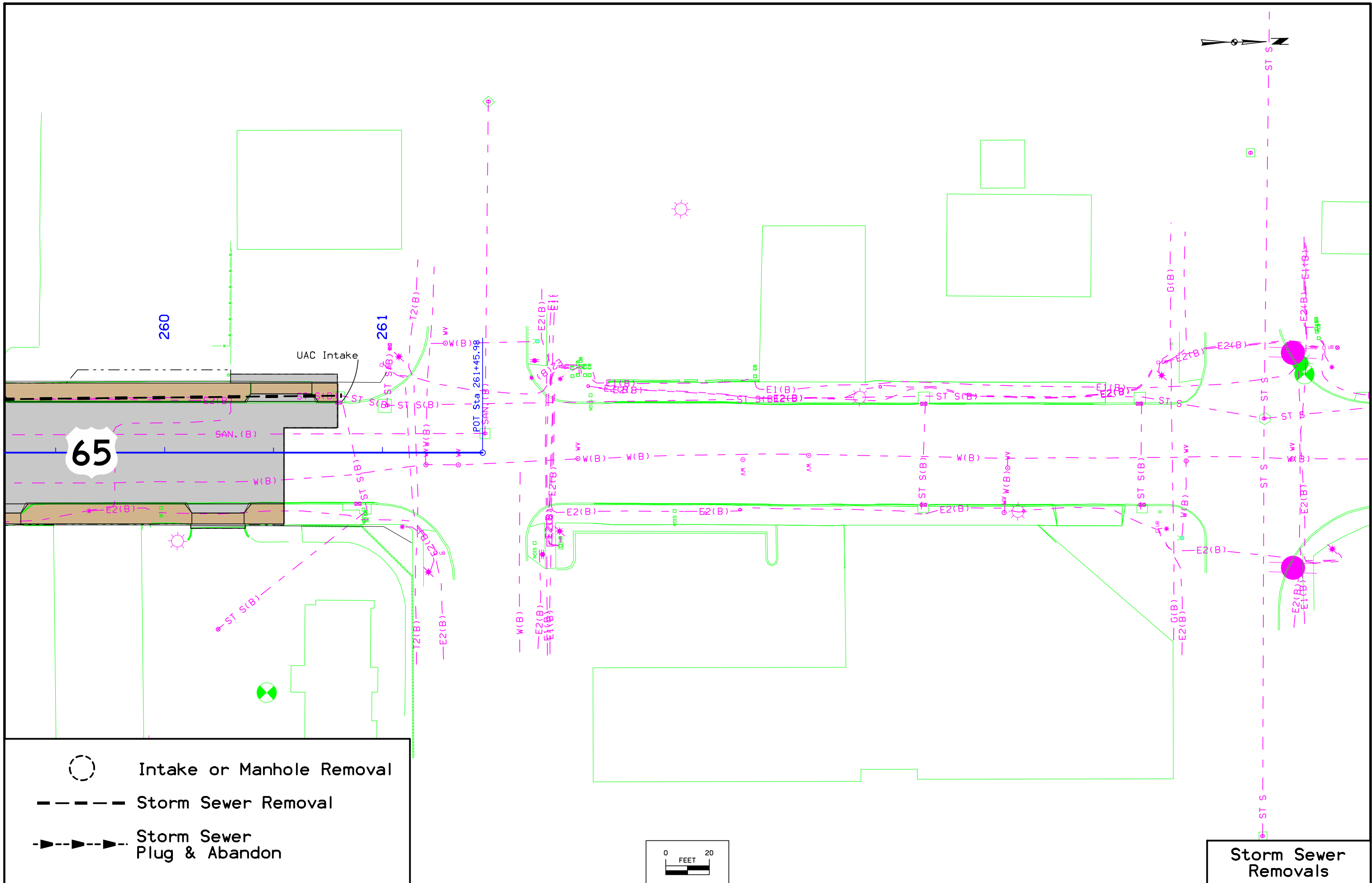
UAC Intake & Storm Sewer




UAC Intake & Storm Sewer

-  Intake or Manhole Removal
-  Storm Sewer Removal
-  Storm Sewer Plug & Abandon



**Storm Sewer Removals**



	Intake or Manhole Removal
	Storm Sewer Removal
	Storm Sewer Plug & Abandon

**Storm Sewer Removals**