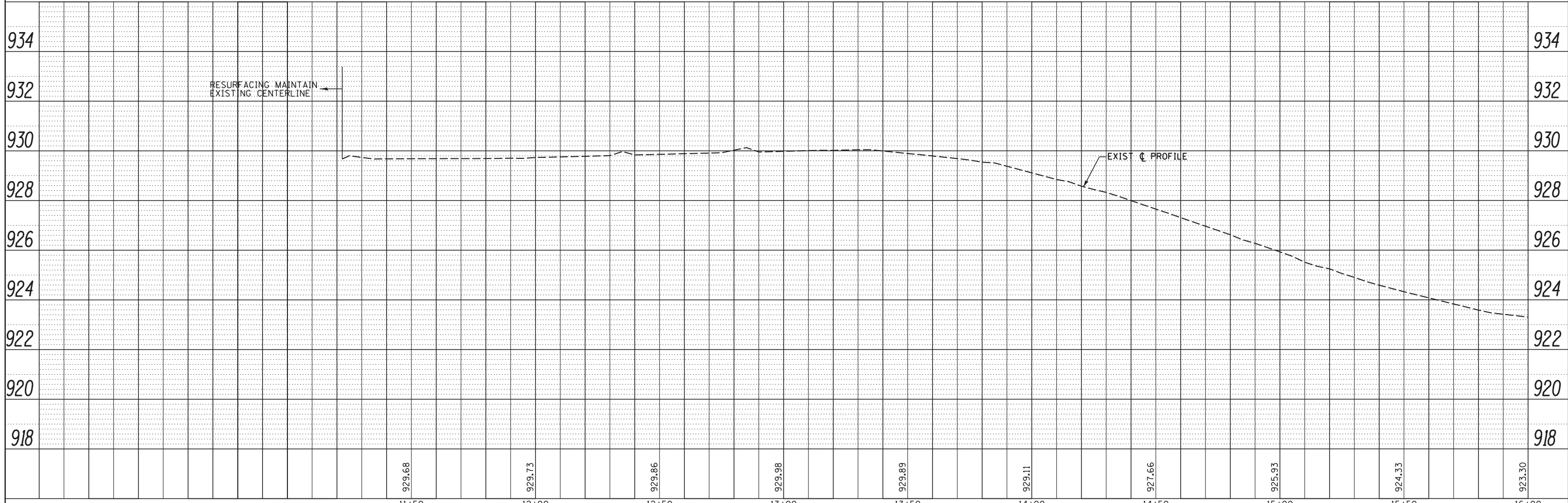
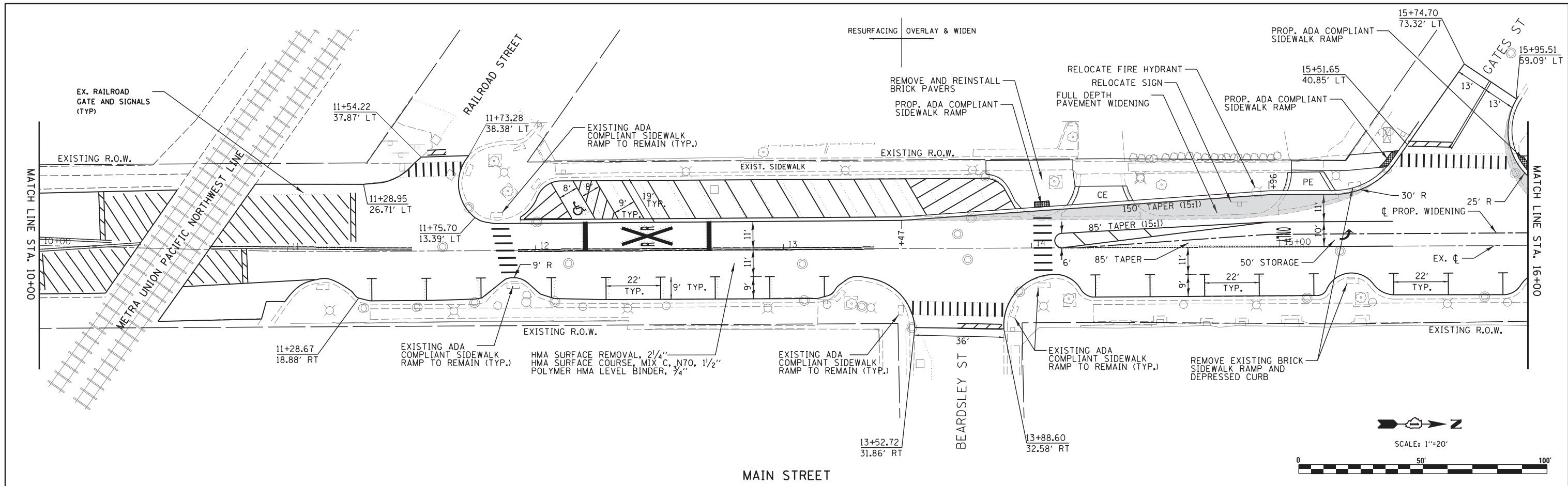


HMA SURFACE REMOVAL, 2 1/4"
HMA SURFACE COURSE, MIX C, N70, 1 1/2"
POLYMER HMA LEVEL BINDER, 3/4"



REVISIONS						DESIGNED: <u>DSS</u>	PROJECT NUMBER: <u>15.0367</u>	 Hampton, Lenzini and Renwick, Inc. <small>Civil & Structural Engineers, Land Surveyors, Environmental Services</small> ELGIN · SPRINGFIELD · WOODRIDGE · MT CARMEL www.hlrengineering.com <small>184.000959 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORPORATION</small>	CITY OF CRYSTAL LAKE	MAIN STREET PHASE 1 STUDY		TOTAL SHEETS	SHEET NUMBER
NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION	FILE: <u>\$FILESS</u>	PLAN AND PROFILE			5	1		
						CHECKED: <u>AM</u>	REFERENCES: <u>None</u>					MAIN STREET	
						DATE: <u>12/14/17</u>	SCALE: <u>1" = 20'</u>					EXHIBIT E-4.1	



NO.		DATE		DESCRIPTION	

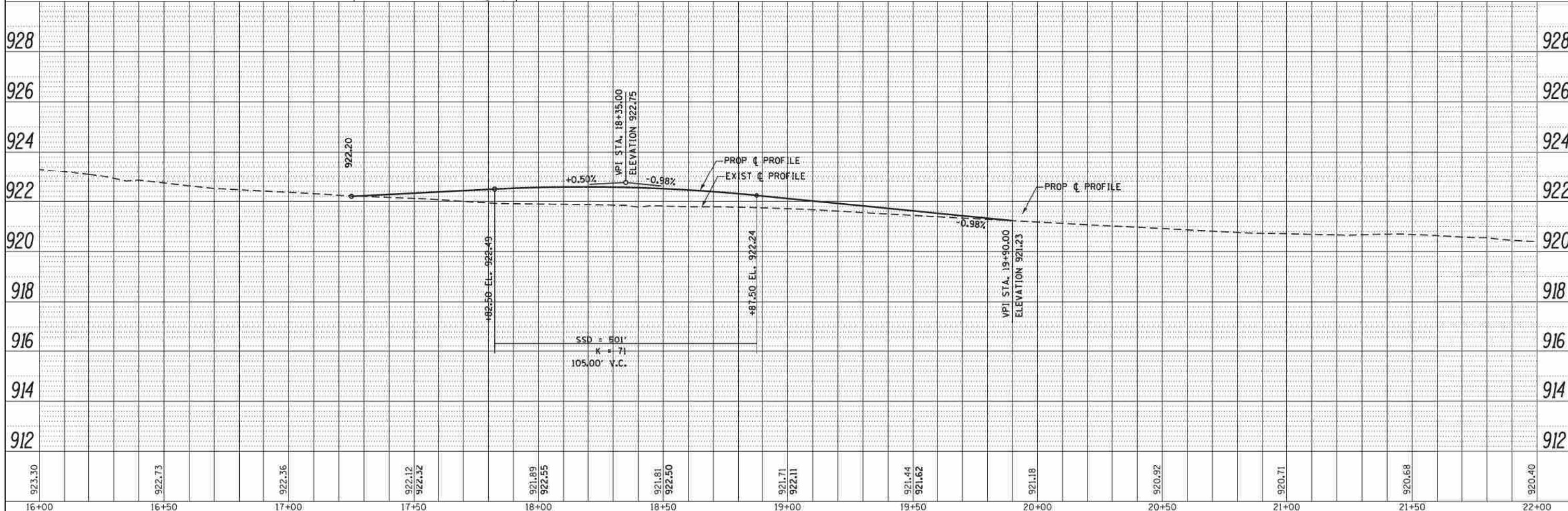
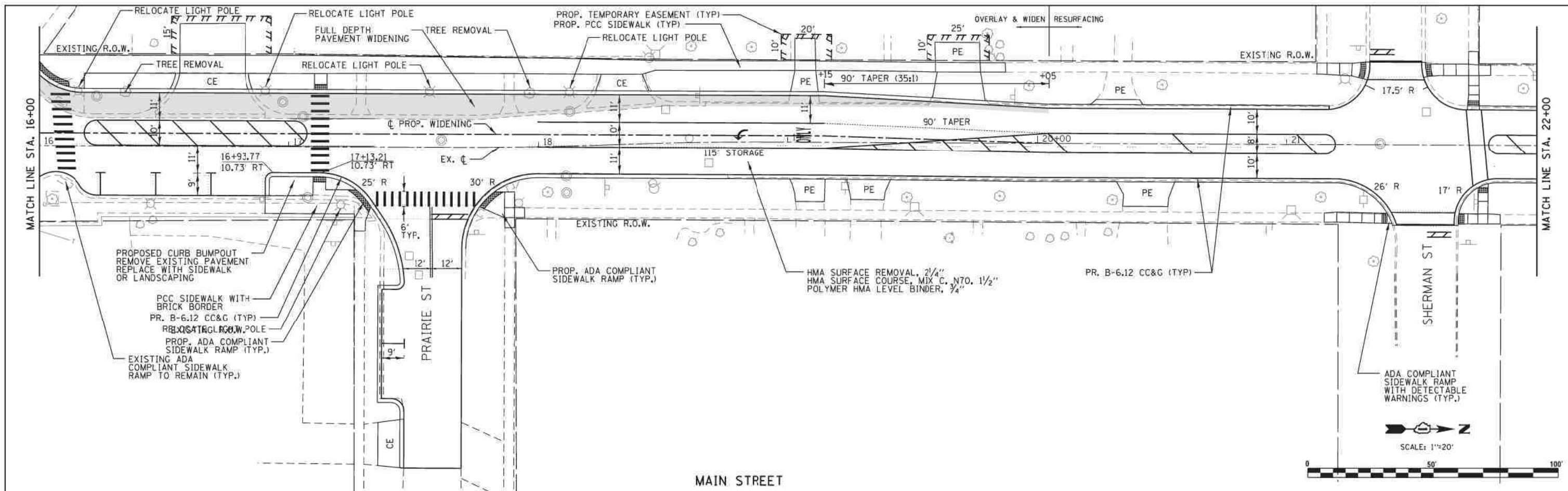
DESIGNED: DSS	PROJECT NUMBER: 15.0367
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DATE: 12/14/17	SCALE: 1" = 20'

Hampton, Lenzini and Renwick, Inc.	
<small>Civil & Structural Engineers, Land Surveyors, Environmental Services</small>	
ELR ELGIN · SPRINGFIELD · WOODRIDGE · MT CARMEL	
<small>184.000959 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORPORATION</small>	

CITY OF CRYSTAL LAKE	
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MAIN STREET PHASE 1 STUDY	
PLAN AND PROFILE	
MAIN STREET	
EXHIBIT E-4.2	

TOTAL SHEETS	SHEET NUMBER
5	2

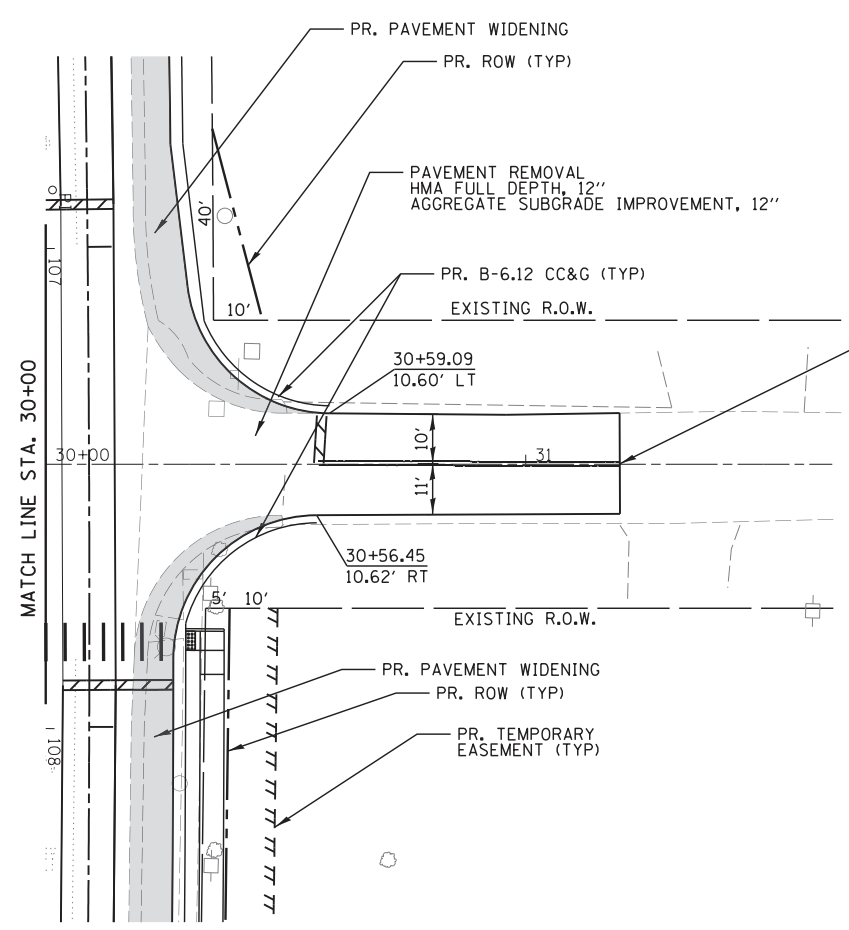


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DESIGNED: DSS	PROJECT NUMBER: 15.0867
DRAWN: JC	FILE: SFILESS
CHECKED: AM	REFERENCES: None
DATE: 10/28/17	SCALE: 1" = 20'

Hampton, Lenzini and Renwick, Inc. Civil & Structural Engineers, Land Surveyors, Environmental Services ELGIN, SPRINGFIELD, WOODBRIDGE, MT CARMEL www.hlrengineering.com 191.888888 ILLINOIS PROFESSIONAL DESIGN FIRM L5 (PE) - SC CORPORATION		CITY OF CRYSTAL LAKE	MAIN STREET PHASE I STUDY PLAN AND PROFILE MAIN STREET	TOTAL SHEETS 5	SHEET NUMBER 3
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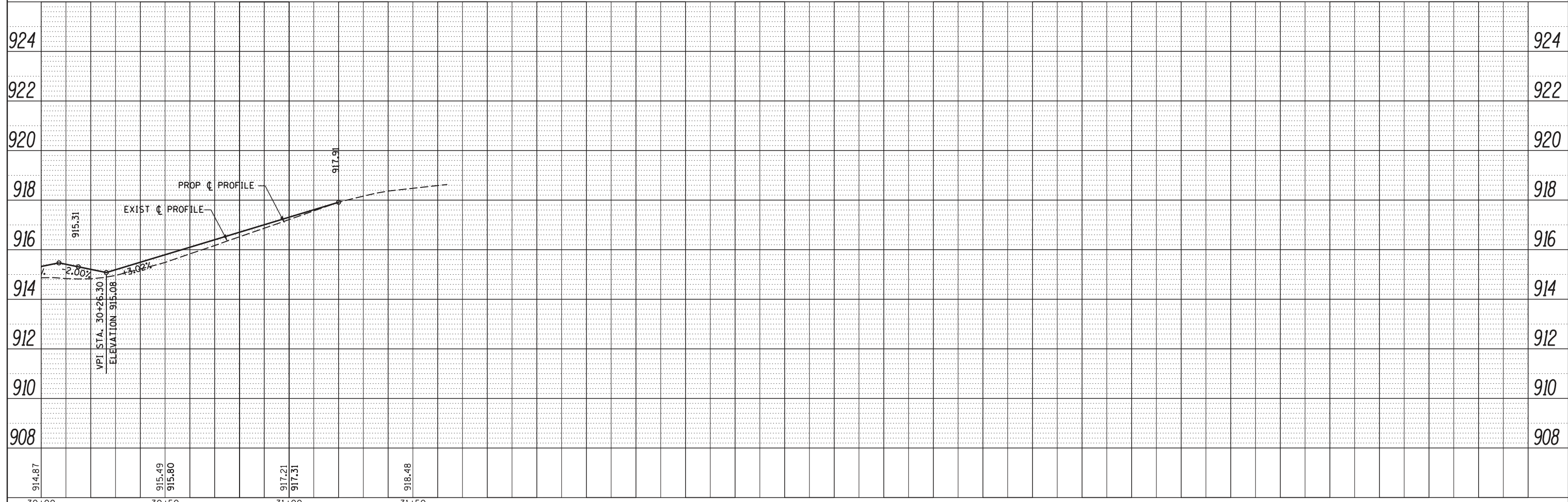
EXHIBIT E-4.3



PROJECT LIMITS
STATION 31+20



MAIN STREET



REVISIONS			
NO.	DATE	DESCRIPTION	

DESIGNED: DSS
 DRAWN: AC
 CHECKED: AM
 DATE: 12/14/17

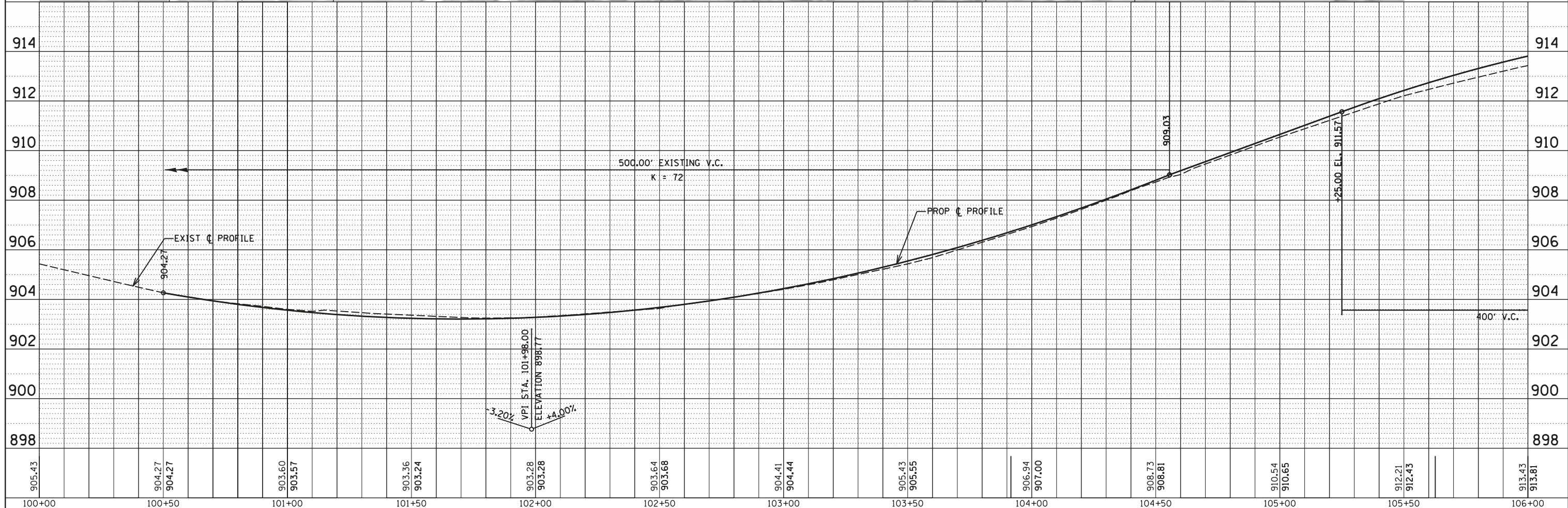
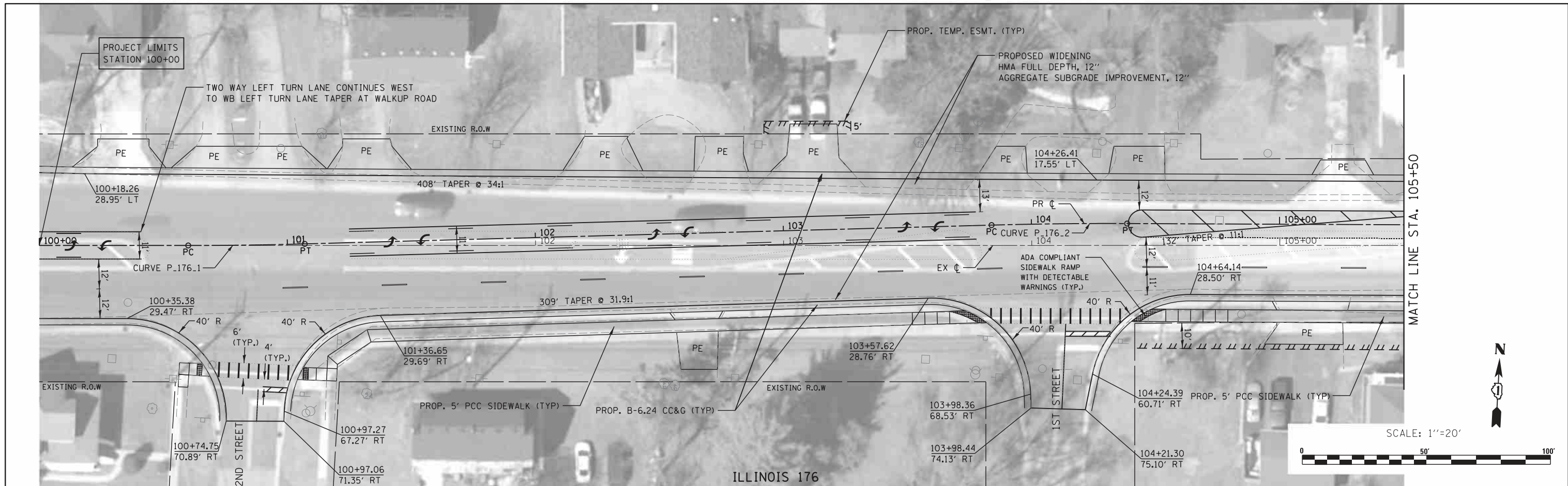
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 SCALE: 1" = 20'

Hampton, Lenzini and Renwick, Inc.
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CITY OF CRYSTAL LAKE

MAIN STREET PHASE I STUDY
 PLAN AND PROFILE
 MAIN STREET EXHIBIT E-4.5

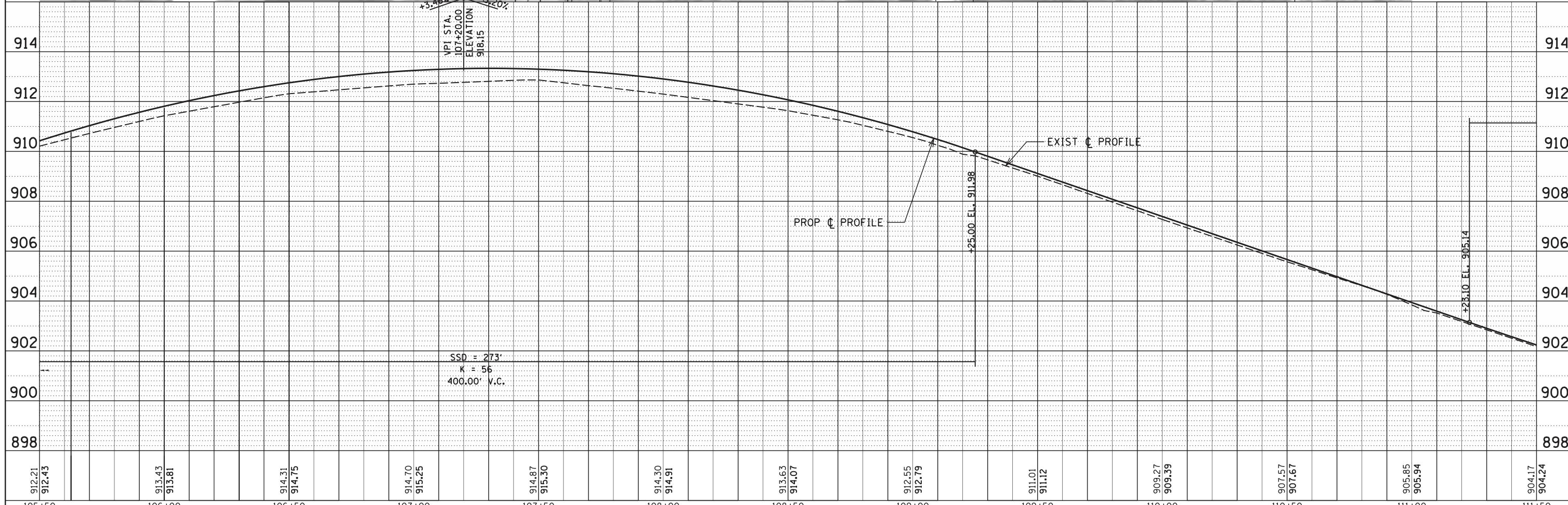
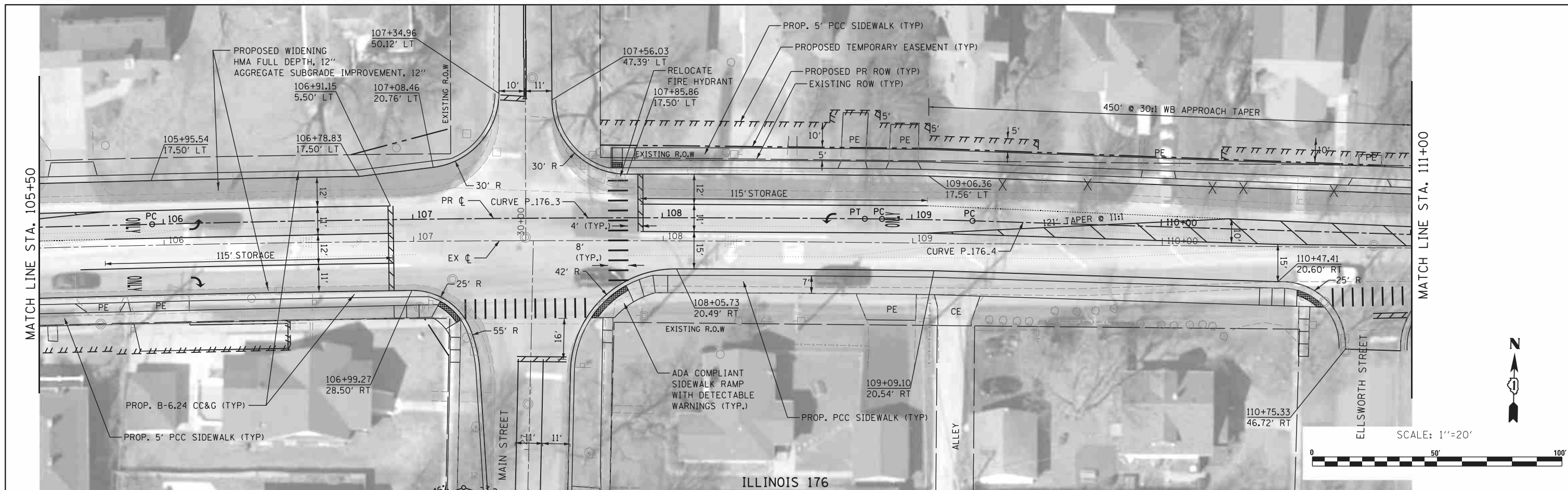
TOTAL SHEETS	SHEET NUMBER
5	5



NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION

DESIGNED: DSS	PROJECT NUMBER: 15.0367
DRAWN: ABC	FILE: \$FILESS
CHECKED: ABC	REFERENCES: None
DATE: 12/14/17	SCALE: 1" = 20'

Hampton, Lenzini and Renwick, Inc. Civil & Structural Engineers, Land Surveyors, Environmental Services ELGIN, SPRINGFIELD, WOODRIDGE, MT CARMEL www.hlrengineering.com 184.000959 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORPORATION		CITY OF CRYSTAL LAKE	MAIN STREET PHASE I STUDY PLAN AND PROFILE ILLINOIS 176 EXHIBIT E-4.6	TOTAL SHEETS 3	SHEET NUMBER 1
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NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION

DESIGNED: DSS
 DRAWN: ABC
 CHECKED: ABC
 DATE: 12/14/17

PROJECT NUMBER: 15.0367
 FILE: \$FILESS
 REFERENCES: None
 SCALE: 1" = 20'

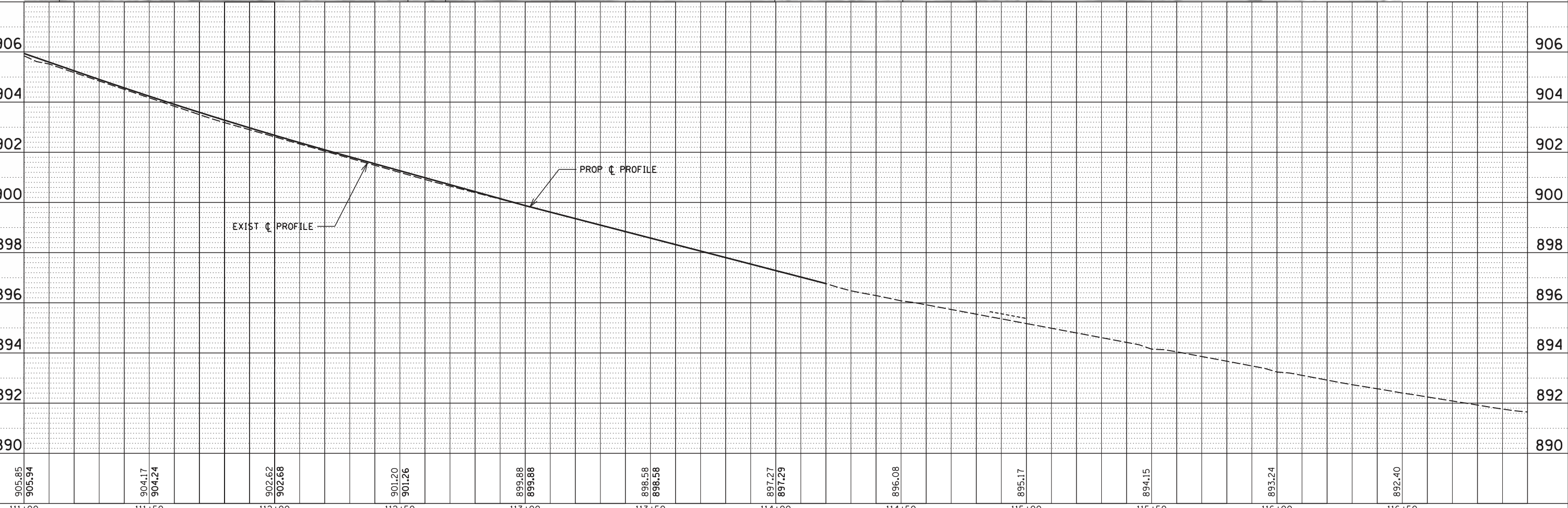
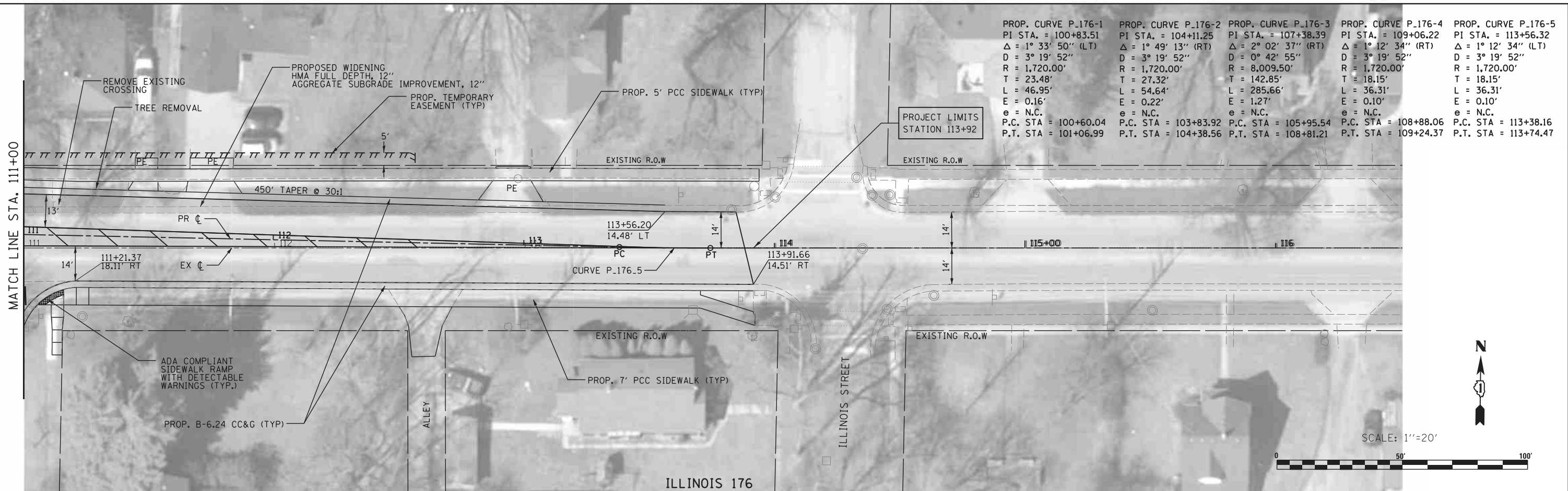
Hampton, Lenzini and Renwick, Inc.
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CITY OF CRYSTAL LAKE

MAIN STREET PHASE I STUDY
 PLAN AND PROFILE
 ILLINOIS 176
 EXHIBIT E-4.7

TOTAL SHEETS	SHEET NUMBER
3	2

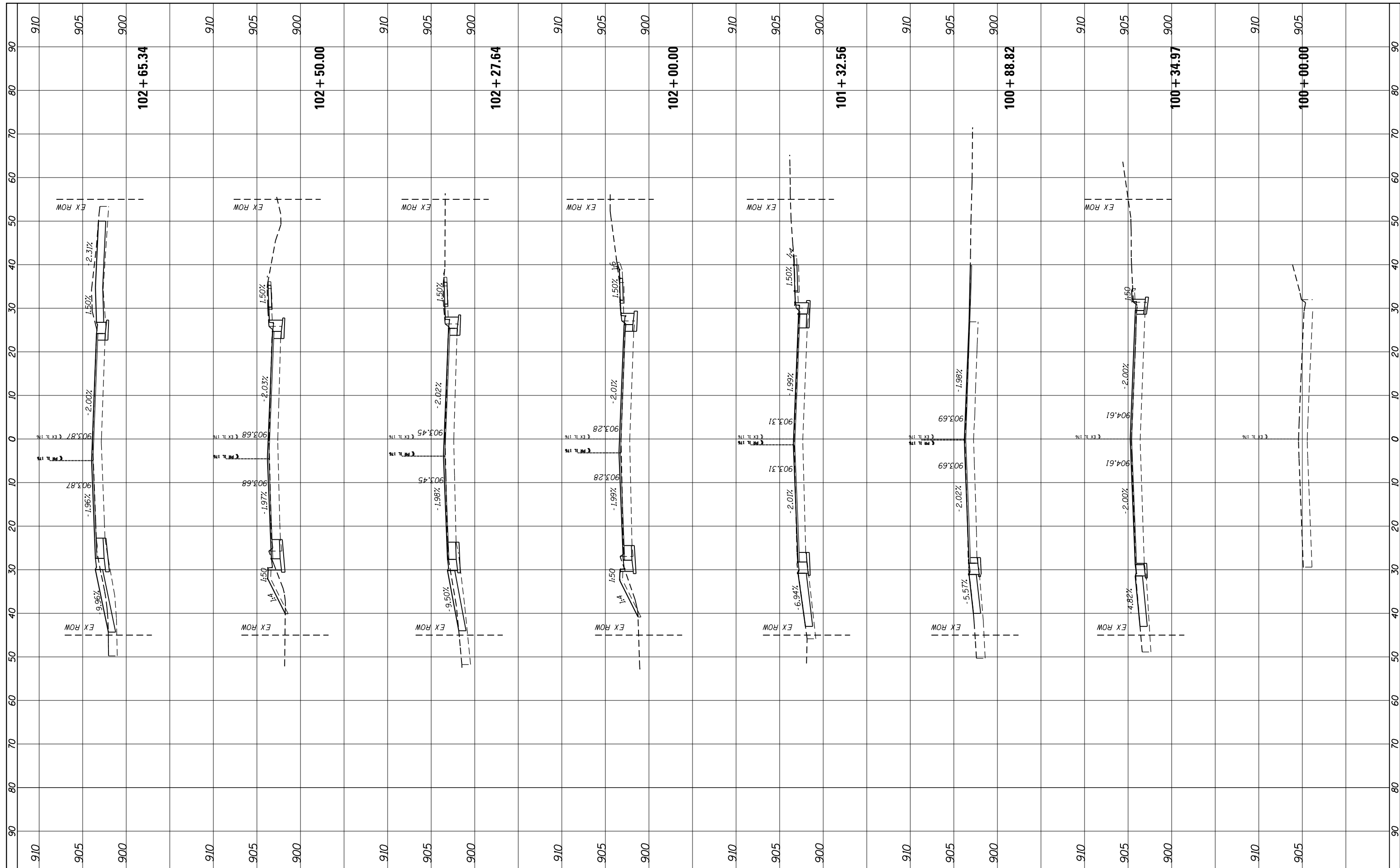
PROP. CURVE P_176-1 PI STA. = 100+83.51 Δ = 1° 33' 50" (LT) D = 3° 19' 52" R = 1,720.00' T = 23.48' L = 46.95' E = 0.16' e = N.C. P.C. STA = 100+60.04 P.T. STA = 101+06.99	PROP. CURVE P_176-2 PI STA. = 104+11.25 Δ = 1° 49' 13" (RT) D = 3° 19' 52" R = 1,720.00' T = 27.32' L = 54.64' E = 0.22' e = N.C. P.C. STA = 103+83.92 P.T. STA = 104+38.56	PROP. CURVE P_176-3 PI STA. = 107+38.39 Δ = 2° 02' 37" (RT) D = 0° 42' 55" R = 8,009.50' T = 142.85' L = 285.66' E = 1.27' e = N.C. P.C. STA = 105+95.54 P.T. STA = 108+81.21	PROP. CURVE P_176-4 PI STA. = 109+06.22 Δ = 1° 12' 34" (RT) D = 3° 19' 52" R = 1,720.00' T = 18.15' L = 36.31' E = 0.10' e = N.C. P.C. STA = 108+88.06 P.T. STA = 109+24.37	PROP. CURVE P_176-5 PI STA. = 113+56.32 Δ = 1° 12' 34" (LT) D = 3° 19' 52" R = 1,720.00' T = 18.15' L = 36.31' E = 0.10' e = N.C. P.C. STA = 113+38.16 P.T. STA = 113+74.47
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DESIGNED: DSS	PROJECT NUMBER: 15.0367	<p>Hampton, Lenzini and Renwick, Inc. Civil & Structural Engineers, Land Surveyors, Environmental Services ELGIN · SPRINGFIELD · WOODRIDGE · MT CARMEL www.hltrengineering.com 184.000959 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORPORATION</p>	<p>CITY OF CRYSTAL LAKE</p> <p>MAIN STREET PHASE I STUDY</p> <p>PLAN AND PROFILE</p> <p>ILLINOIS 176</p> <p>EXHIBIT E-4.8</p>	TOTAL SHEETS	SHEET NUMBER
DRAWN: ABC	FILE: \$FILESS			3	3
CHECKED: ABC	REFERENCES: None				
DATE: 12/14/17	SCALE: 1" = 20'				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



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 DESIGNED -
 DRAWN -
 CHECKED -
 DATE - 08/25/17

REVISED -
 REVISED -
 REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

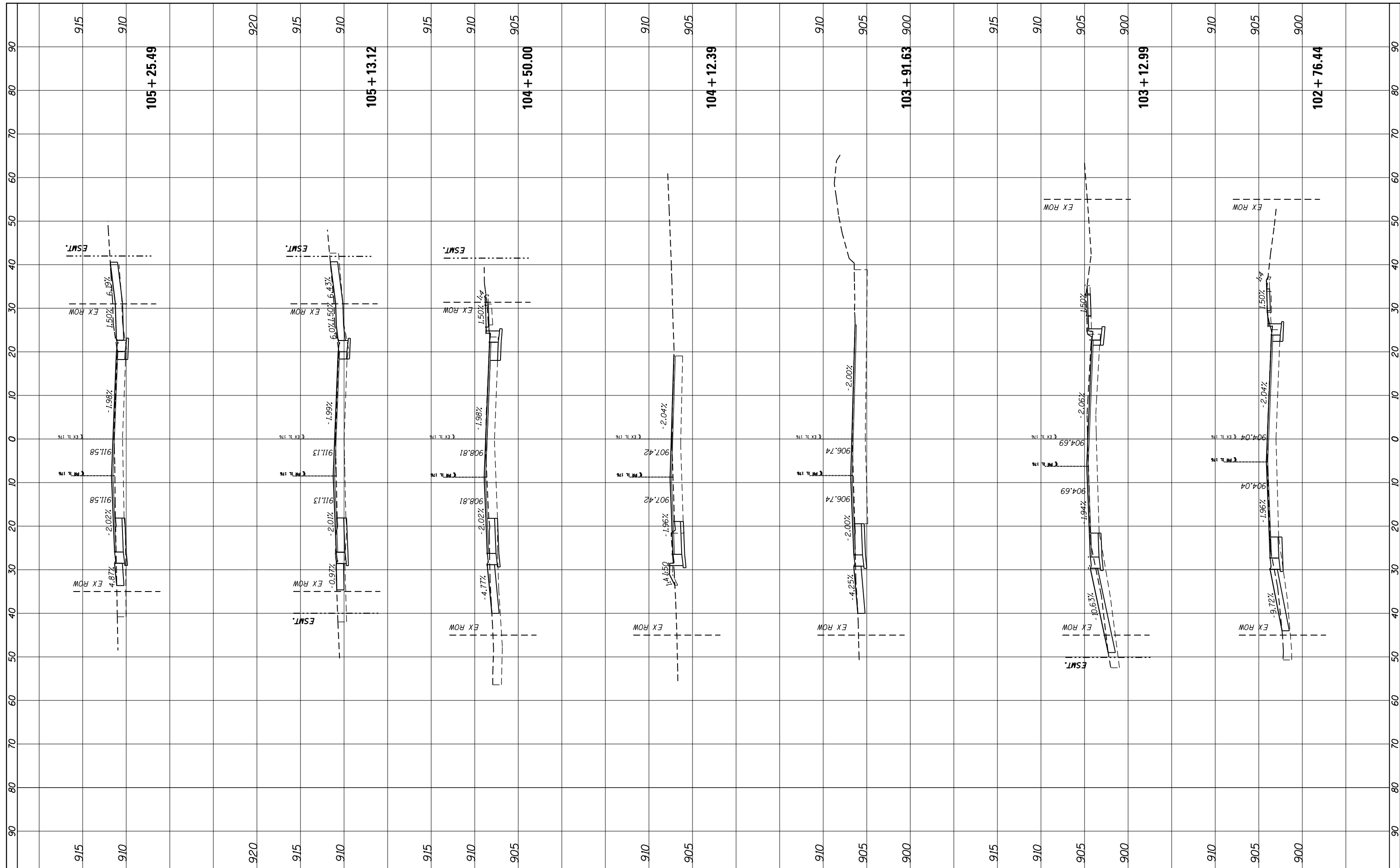
**IL 176
 CROSS SECTIONS**

SCALE: SHEET OF SHEETS STA. 100+00.00 TO STA. 102+65.34

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			5	1
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
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 CHECKED -
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 REVISED -
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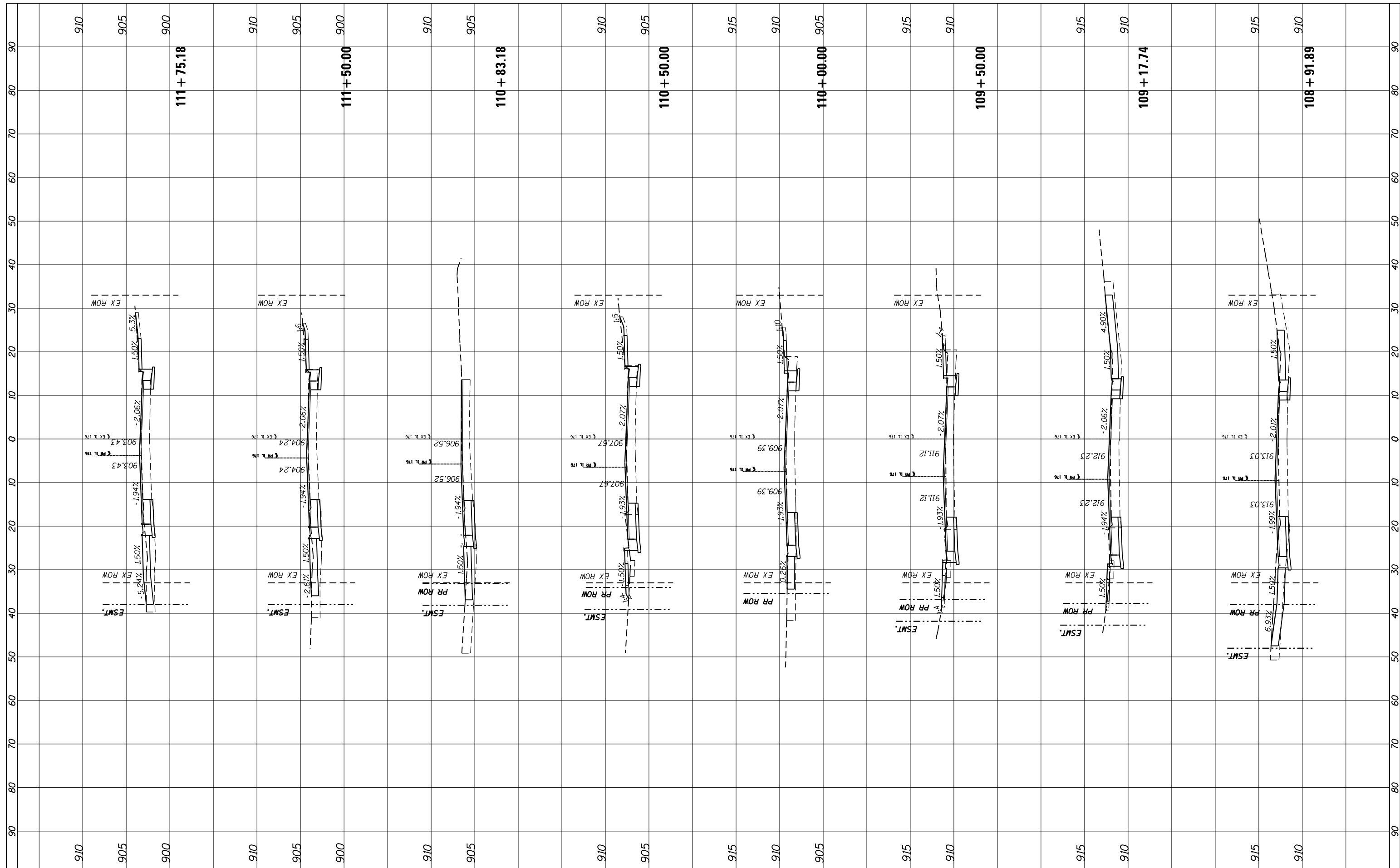
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL 176
 CROSS SECTIONS
 EXHIBIT E-5.2
 SCALE: SHEET OF SHEETS STA. 102+76.44 TO STA. 105+25.49

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			5	2
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



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 PLOT SCALE = *SCALE*
 PLOT DATE = *DATE*

DESIGNED -
 DRAWN -
 CHECKED -
 DATE - 08/25/17

REVISED -
 REVISED -
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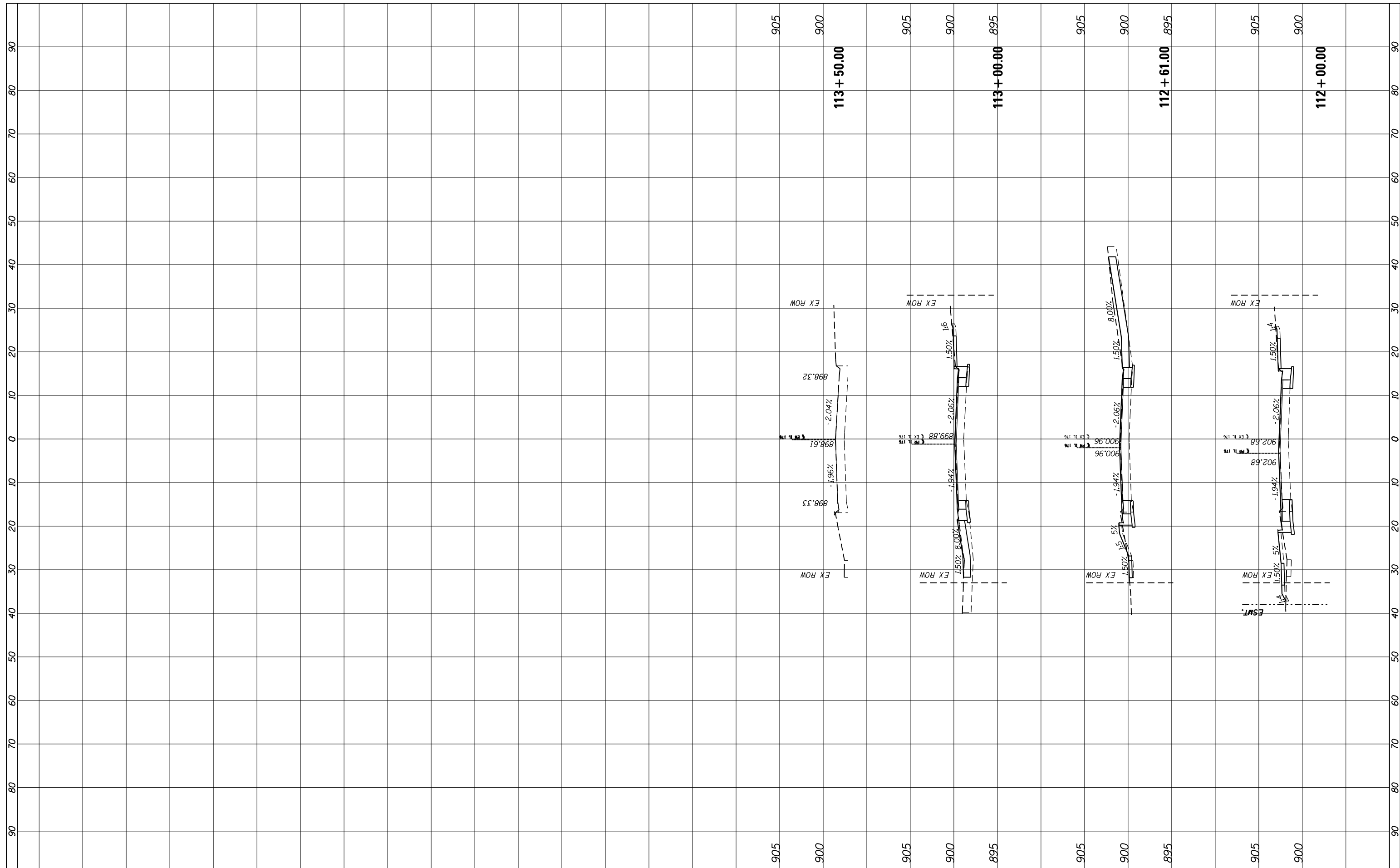
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL 176
 CROSS SECTIONS
 EXHIBIT E-5.4
 SCALE: SHEET OF SHEETS STA. 108+91.89 TO STA. 111+75.18

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			5	4
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		



FILE NAME =	USER NAME = *USER*	DESIGNED -	REVISED -
FILEL		DRAWN -	REVISED -
MODELNAME		CHECKED -	REVISED -
		DATE - 08/25/17	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

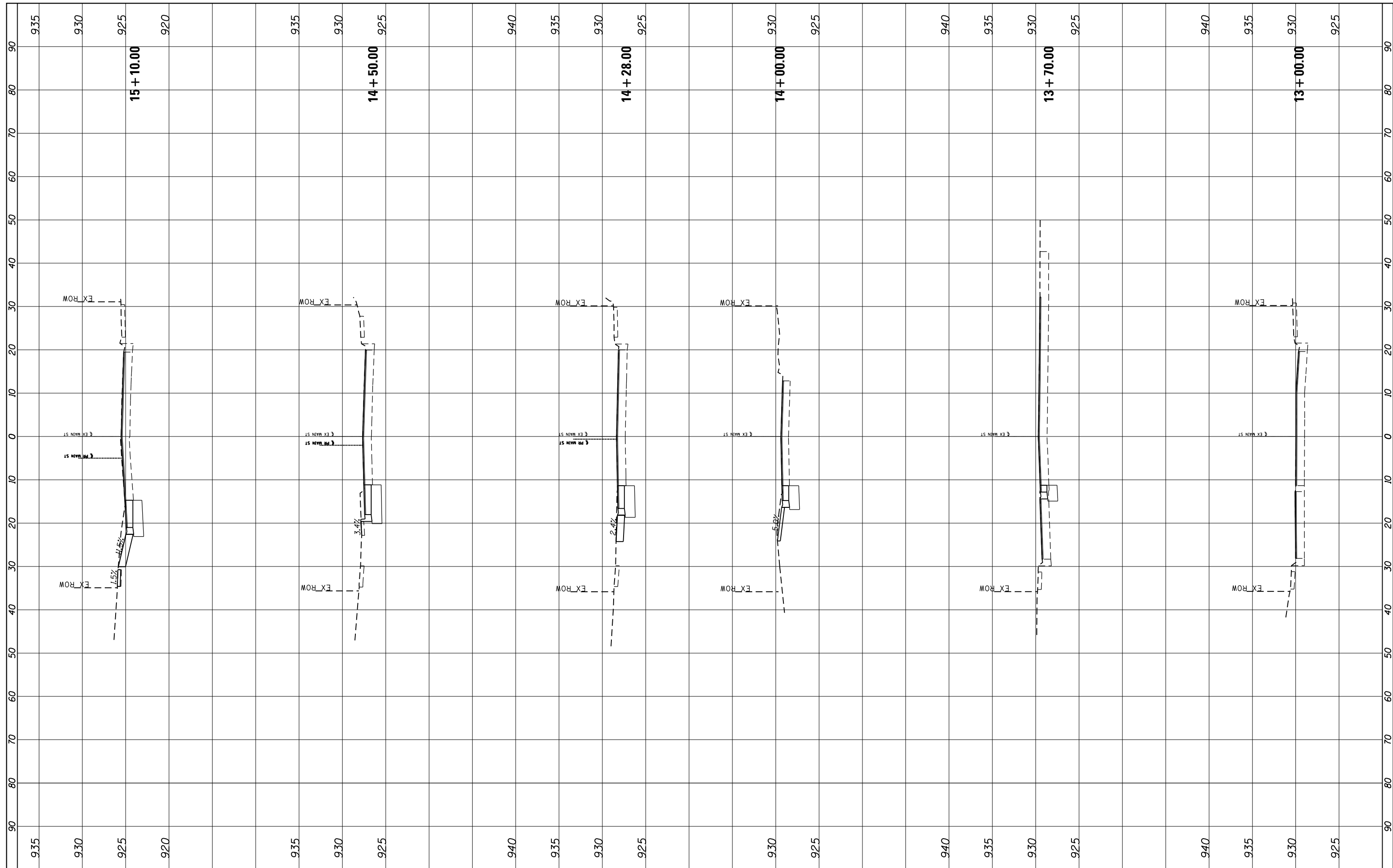
SCALE:		SHEET	OF	SHEETS	STA. 112+00.00	TO	STA. 113+50.00
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**IL 176
CROSS SECTIONS**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			5	5
			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS		
	CHECKED		

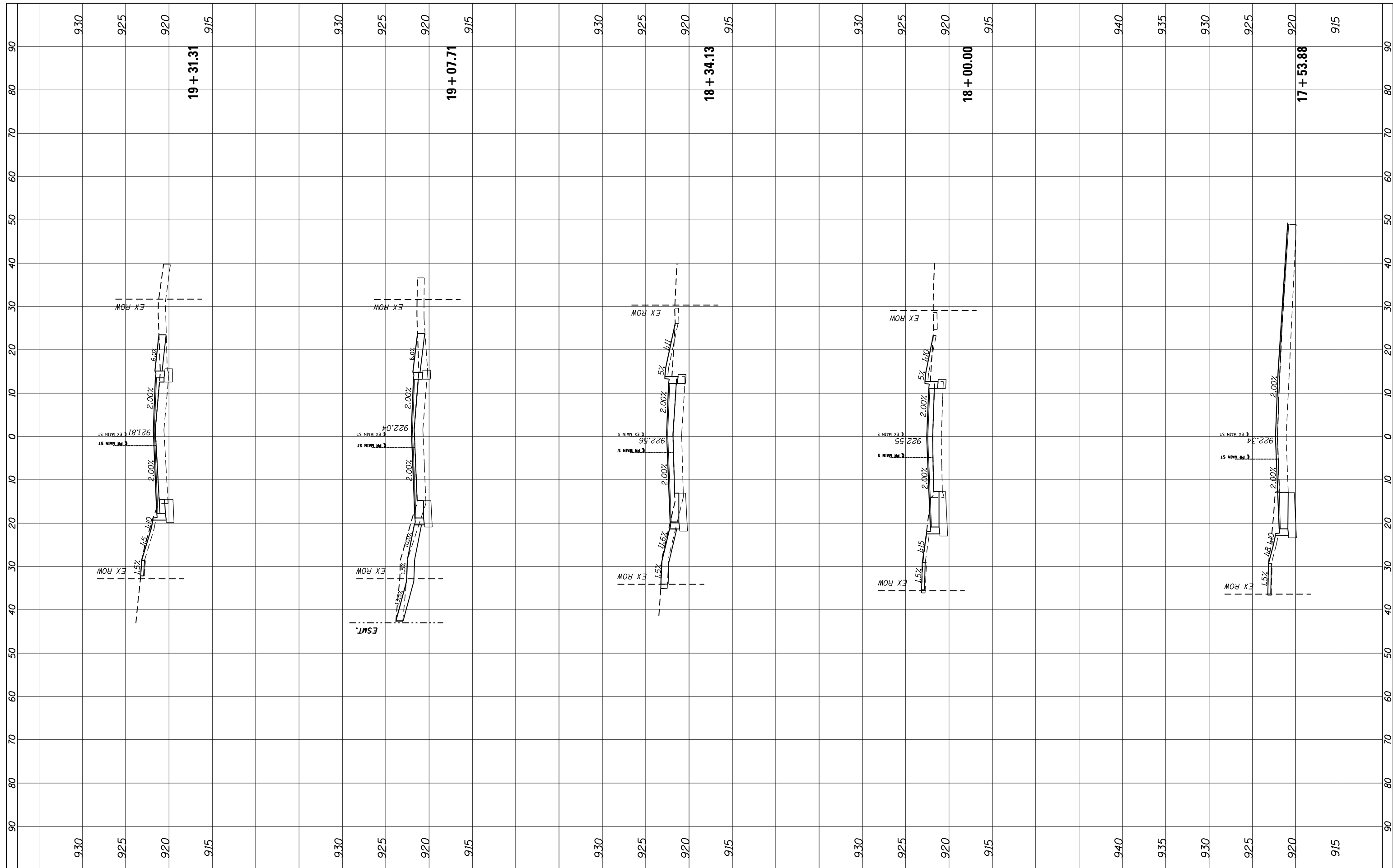
ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS		
	CHECKED		



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FILEL		DRAWN -	REVISED -								8	1
MODELNAME		CHECKED -	REVISED -		SCALE: 10H:5V			SHEET OF SHEETS STA. 13+00.00 TO STA. 15+10.00			CONTRACT NO.	
		DATE - 08/30/17	REVISED -		ILLINOIS FED. AID PROJECT							

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE
NOTE BOOK	TEMPLATE AREAS CHECKED		

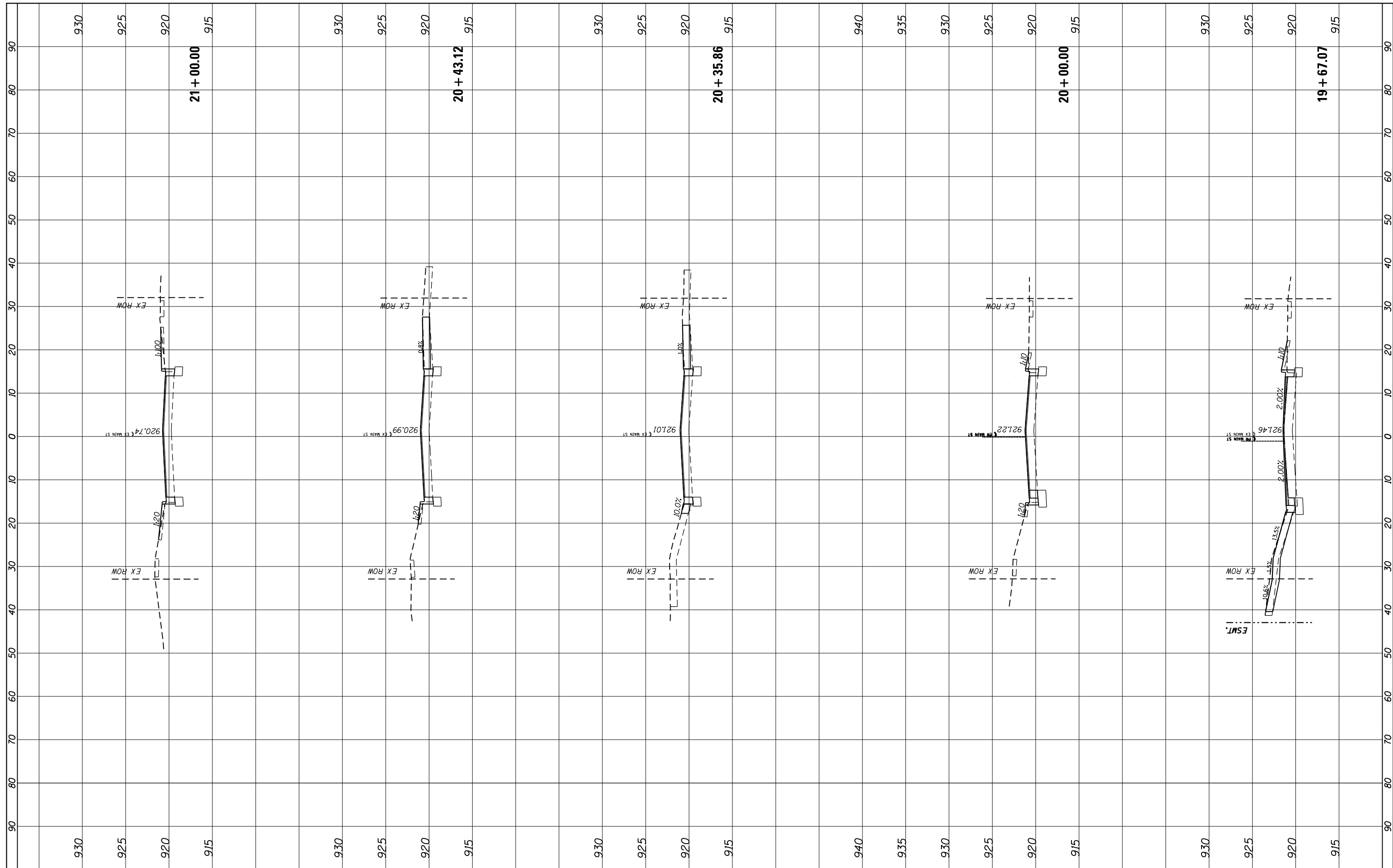
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NOTE BOOK	TEMPLATE AREAS CHECKED		



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FILEL		DRAWN -	REVISED -		SCALE: 10H:5V	SHEET	OF	SHEETS	STA. 17+53.88	TO STA. 19+31.31	8	3
MODELNAME		CHECKED -	REVISED -								CONTRACT NO.	
		DATE - 08/30/17	REVISED -								ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

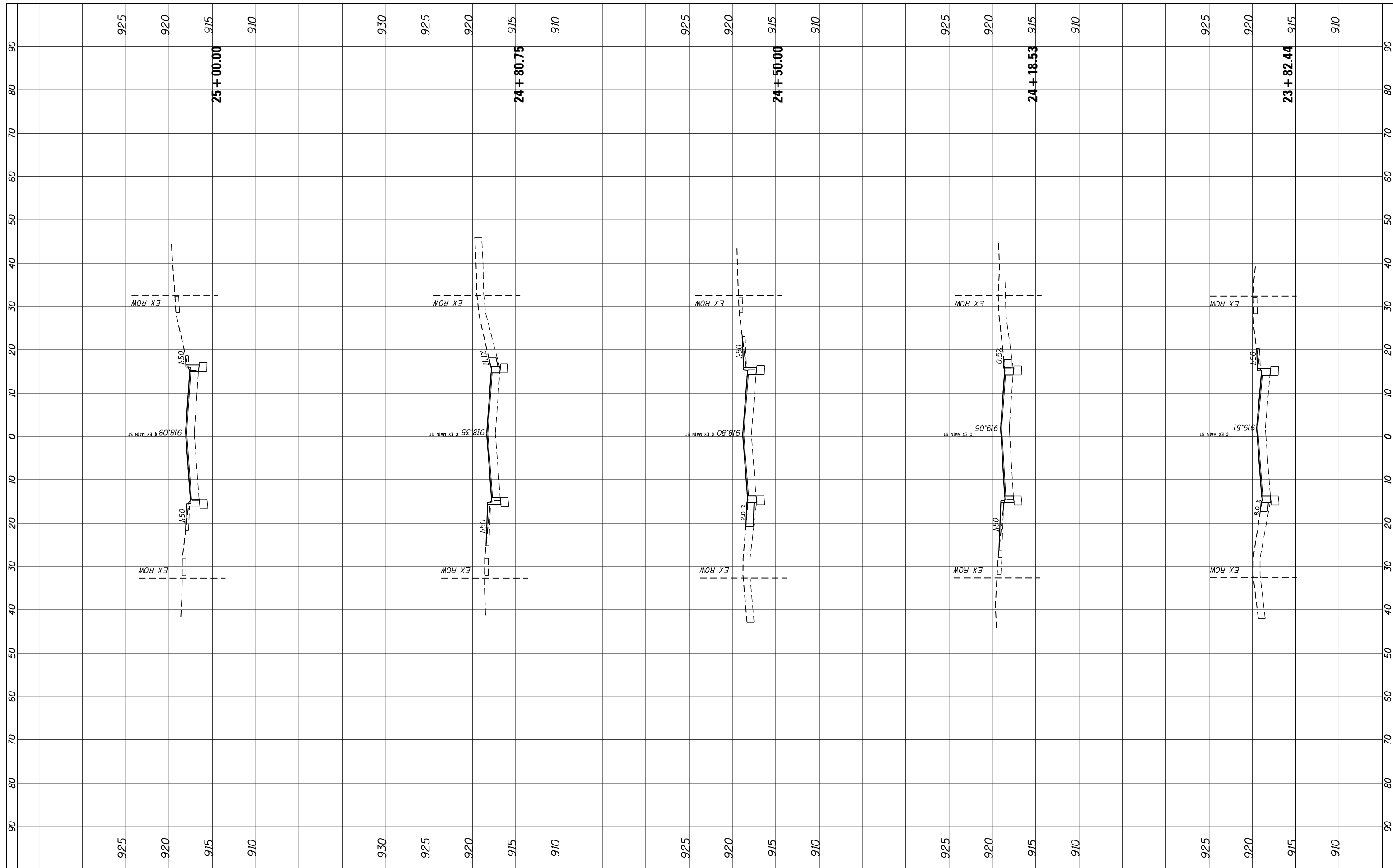
ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



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FILEL		DRAWN -	REVISED -		SCALE: 10H:5V	SHEET	OF	SHEETS	STA. 19+67.07	TO STA. 21+00.00	MCHENRY	8	4
MODELNAME		CHECKED -	REVISED -		CONTRACT NO.								
		DATE - 08/30/17	REVISED -		ILLINOIS FED. AID PROJECT								

FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
AREAS CHECKED	TEMPLATE	
	AREAS	
	CHECKED	

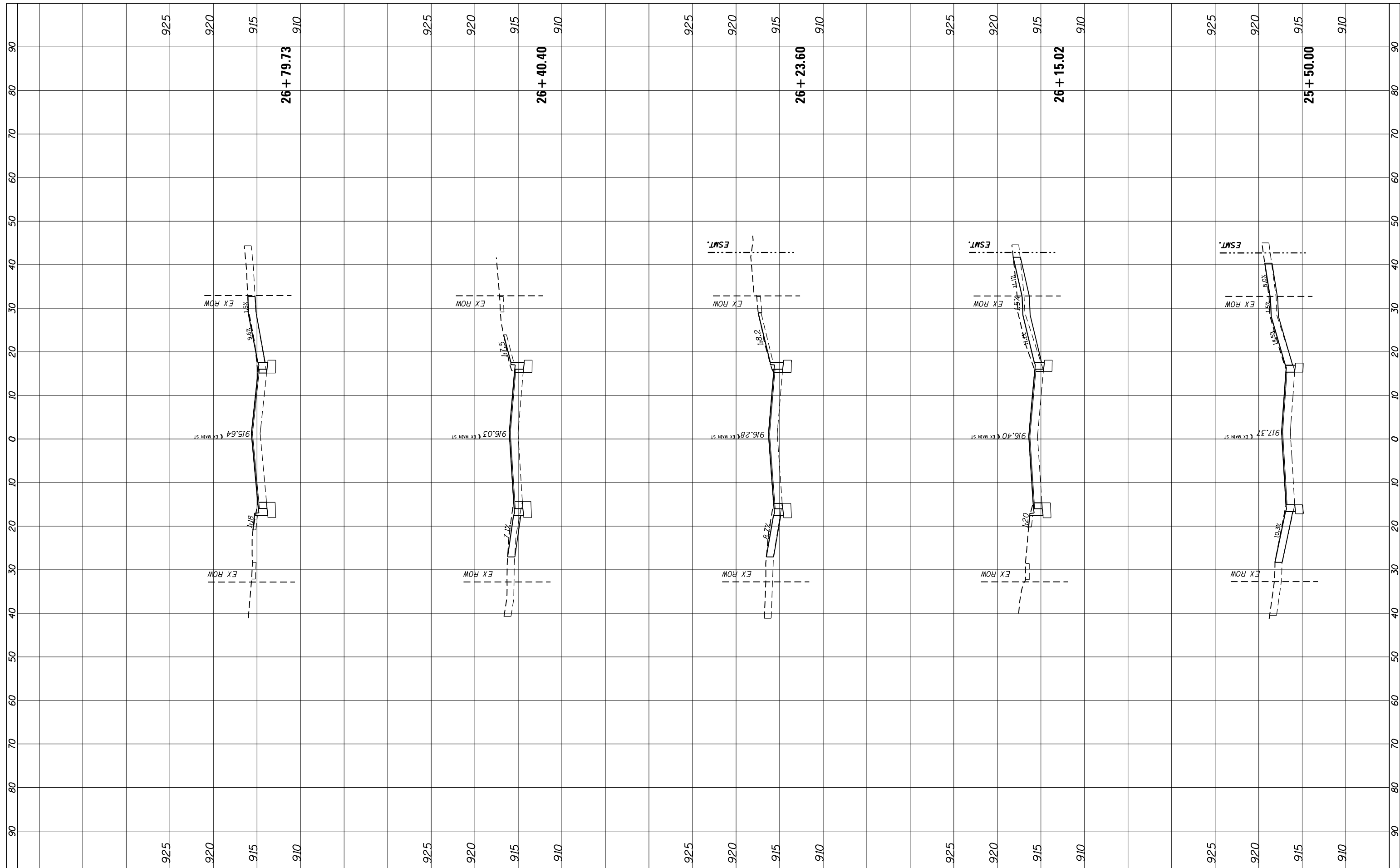
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NOTE BOOK	PLOTTED	BY
AREAS CHECKED	TEMPLATE	
	AREAS	
	CHECKED	



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FILEL		DRAWN -	REVISED -		SCALE: 10H:5V	SHEET	OF	SHEETS	STA. 23+82.44	TO STA. 25+00.00	8	6
MODELNAME		CHECKED -	REVISED -								CONTRACT NO.	
		DATE - 08/30/17	REVISED -								ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE
NOTE BOOK NO.	TEMPLATE AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE
NOTE BOOK NO.	TEMPLATE AREAS CHECKED		



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 CHECKED -
 DATE - 08/30/17

REVISED -
 REVISED -
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 REVISED -

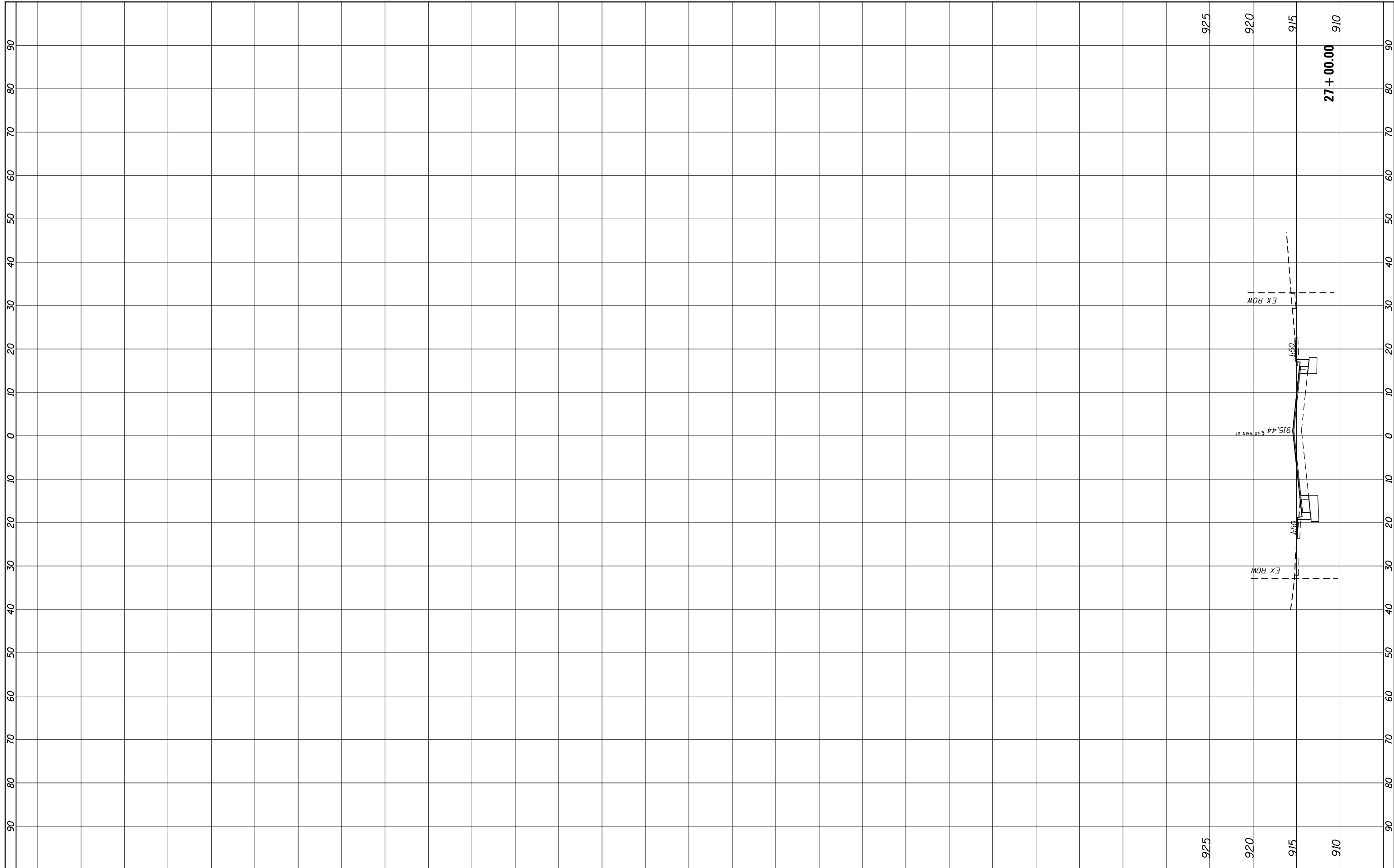
CITY OF CRYSTAL LAKE

MAIN STREET CROSS SECTIONS EXHIBIT E-5.12
 SCALE: 10H:5V SHEET OF SHEETS STA. 25+50.00 TO STA. 26+79.73

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		MCHENRY	8	7
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE
NOTE BOOK	TEMPLATE		

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE
NOTE BOOK	TEMPLATE		



FILE NAME =	USER NAME = *USER*	DESIGNED -	REVISED -	CITY OF CRYSTAL LAKE	MAIN STREET CROSS SECTIONS EXHIBIT E-5.13				F.A. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILEL		DRAWN -	REVISED -		SCALE: 10H:5V	SHEET	OF	SHEETS	STA. 27+00.00	TO STA. 27+50.00	MCHENRY	8	8
MODELNAME		CHECKED -	REVISED -						CONTRACT NO.				
		DATE - 08/30/17	REVISED -						ILLINOIS FED. AID PROJECT				