

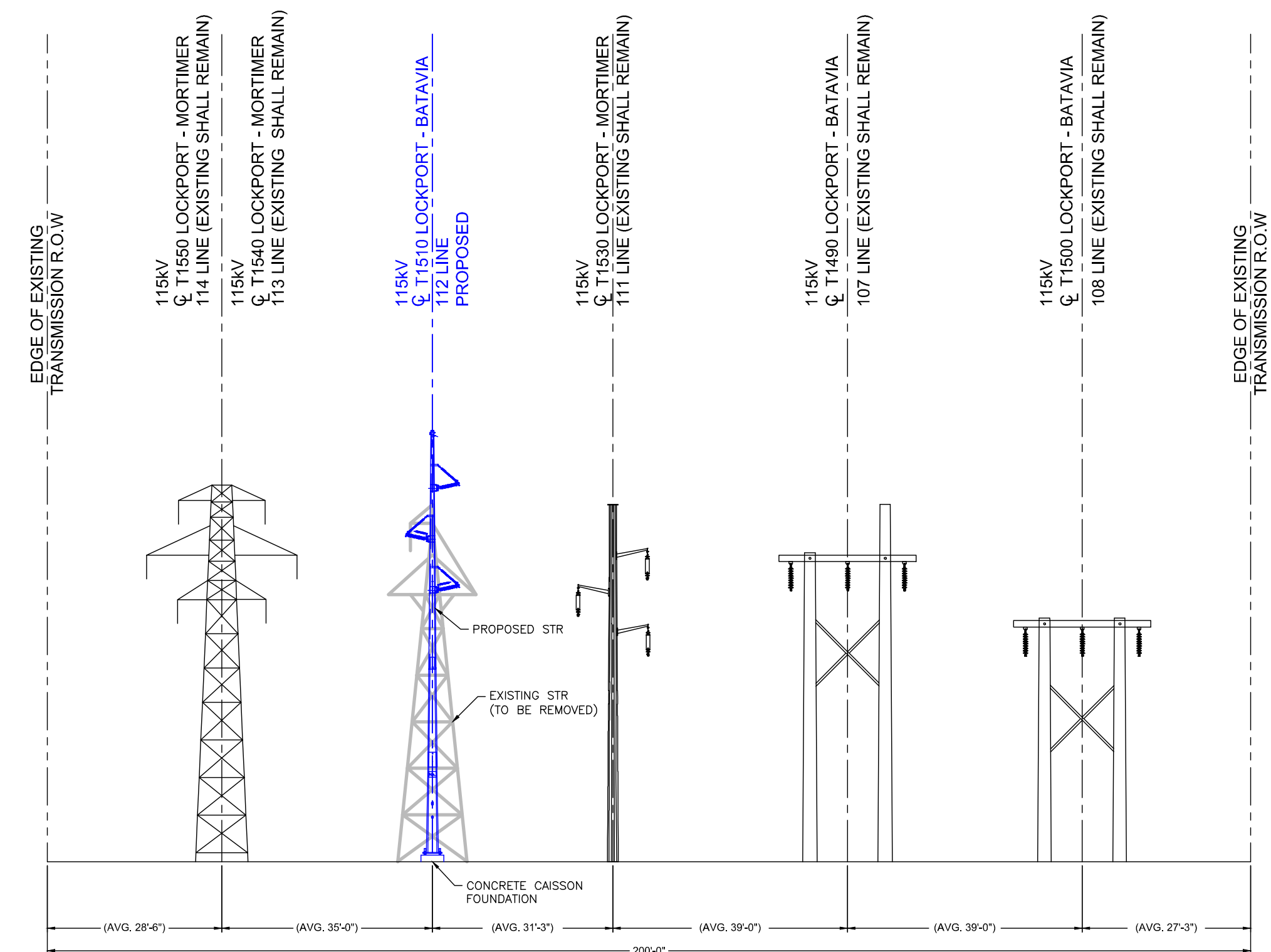
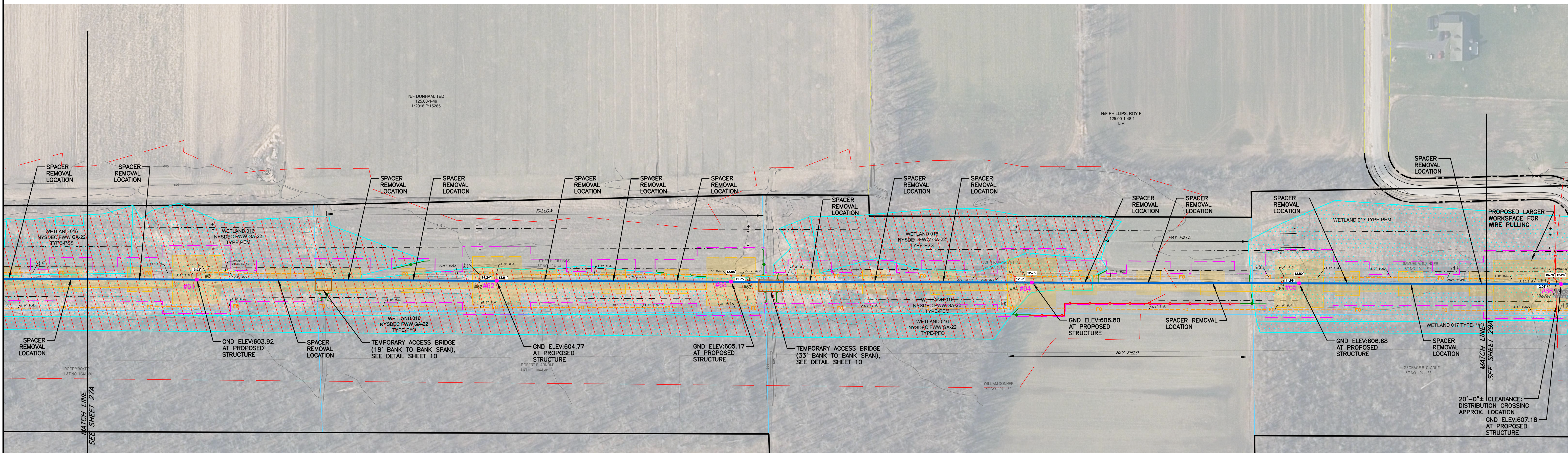
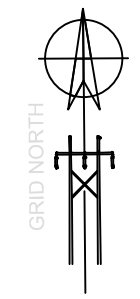


**Lockport-Batavia Line #112
Rebuild Project**

Appendix A

Plan & Profile Drawings

Part 5 of 11



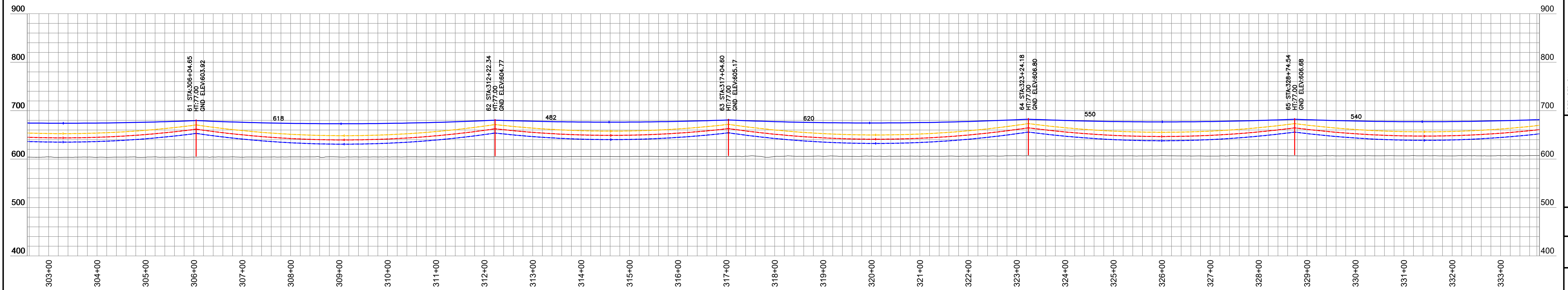
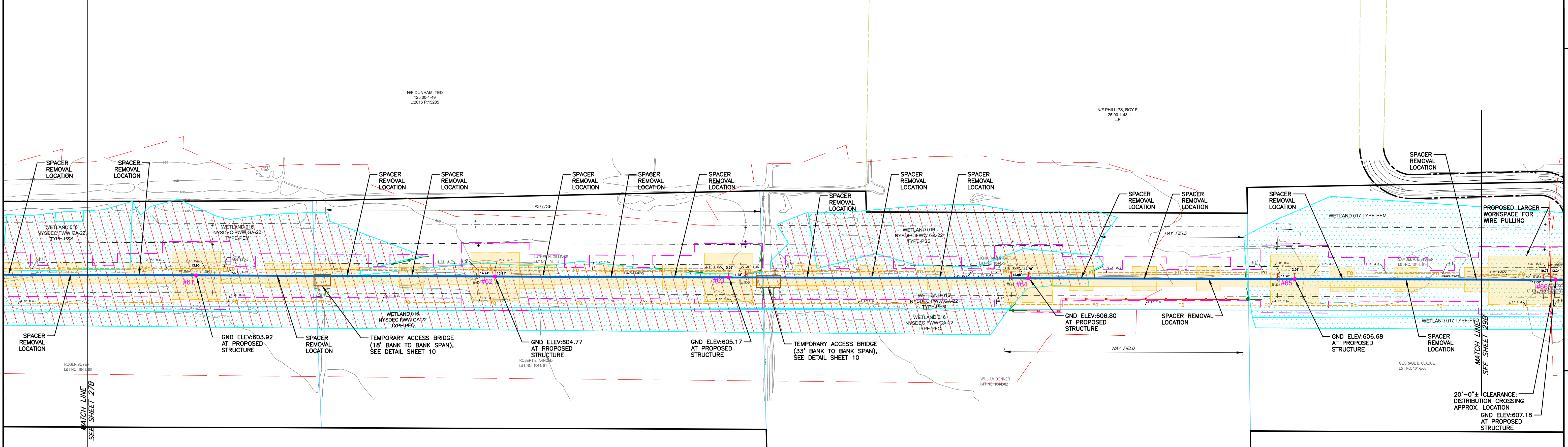
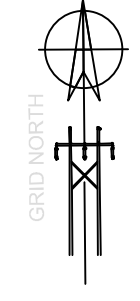
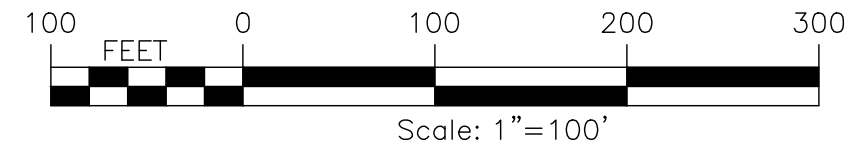
NIAGARA MOHAWK POWER CORP.
PROPOSED CROSS-SECTION CONFIGURATION
FACING LOCKPORT SUBSTATION
STRUCTURES 57 TO 66

- | EXISTING FEATURES | | | | | | | | | | | | | |
|-------------------|--------------------------|--|---|--|--|--------------------------|------------------------|--|--|--|--|--|--|
| | PROPERTY COUNTY TAX MAP | | UNDERGROUND SANITARY SEWER | | WOOD POLES | | DELINEATED WETLANDS | | CONTOUR LINE (MAJOR) | | PROPOSED PERMANENT EASEMENT | | WILDLIFE MANAGEMENT AREA |
| | CONTOUR LINE | | UNDERGROUND TELEPHONE | | FLEX TOWERS | | WATER BODY | | CONTOUR LINE (MINOR) | | TRANSMISSION LINES (115kV) | | EROSION CONTROL FILTER STRIP |
| | TOWN LINE | | NIAGARA MOHAWK POWER CORP. EXISTING PROPERTY LINES | | SQUARE BASE TOWERS | | | | PERMANENT STABILIZED CONSTRUCTION ENTRANCE | | PROPOSED STRUCTURE LOCATION | | TYPE 2 - PERMANENT ACCESS ROADS & WORK AREAS |
| | FENCE | | NIAGARA MOHAWK POWER CORP. EXISTING EASEMENT LIMITS | | 3 LEGGED TOWERS | PROPOSED FEATURES | | | | | PROPOSED INVASIVE SPECIES CLEANING STATION | | TYPE 3 - TIMBER MAT DURING CONSTRUCTION PERVIOUS POST CONSTRUCTION |
| | OVERHEAD ELECTRIC | | LEGACY PROPERTY LINES | | GUY WIRES | | SILT FENCE | | TEMPORARY STABILIZED CONSTRUCTION ENTRANCE | | GATE TO BE INSTALLED | | TYPE 4 - TEMPORARY CONSTRUCTION WORK AREAS, PULLING PADS OR ACCESS, IMPROVE AS NECESSARY |
| | UNDERGROUND ELECTRIC | | NIAGARA MOHAWK POWER CORP. LEGACY PROPERTY LINES | | NIAGARA MOHAWK POWER CORP. LEGACY PROPERTY LINES | | FILTER SOCK | | | | TEMPORARY ORANGE CONSTRUCTION FENCE | | TYPE 5 - TIMBER MAT ACCESS ROADS & WORK AREAS |
| | UNDER GROUND GAS LINE | | ADJOINER PROPERTY LINES | | DITCH | | CULVERT | | LIMIT OF DISTURBANCE | | | | TYPE 6 - BERM ACCESS, IMPROVE AS NECESSARY |
| | UNDER GROUND FIBER OPTIC | | NIAGARA MOHAWK POWER CORP. L&T DOCUMENT NUMBER | | STREAM CENTERLINE, I.D. NUMBER CLASS | | BOX CULVERT | | FENCE | | | | |
| | UNDER GROUND WATER | | TAX MAP IDENTIFICATION NUMBER (S.B.L.) | | STREAM BANK, I.D. NUMBER & CLASS | | ROCK OUTLET PROTECTION | | PARK BOUNDARY LINE | | | | |
| | UNDERGROUND PETROLEUM | | SUB-TRANSMISSION & TRANSMISSION LINES | | DEC WETLAND | | | | FEMA FLOODPLAIN | | | | |
| | UNDERGROUND STORM SEWER | | | | DEC WETLAND 100' ADJACENT AREA | | | | | | | | |

CLEARING LIMITS FOR THE PROJECT WILL BE THE SAME AS THE LIMITS OF DISTURBANCE. SYMBOLS SHOWN HERE MAY BE LARGER THEN REPRESENTED ON DETAILED DRAWING.

[illegible]

TOWN OF ROYALTON T.D. 5104 - NIAGARA COUNTY
PLAN VIEW



LOCKPORT - BATAVIA 112 LINE (FROM 1- 5 TO 211)																		
EXISTING STR NUMBER	NEW STR NUMBER	TYPE	EXISTING STRUCTURE						TYPE	POLE 1			POLE 2		POLE 3		FOUNDATION TYPE	NOTES
			POLE 1		POLE 2		POLE 3			MATERIAL	POLE 1		POLE 2		POLE 3			
			HT (FT, AGL)	CL	HT (FT, AGL)	CL	HT (FT, AGL)	CL			HT, FT (TOTAL/ EMB)	CL	HT, FT (TOTAL/ EMB)	CL	HT, FT (TOTAL/ EMB)	CL		
60	60	SC STL TRI LEGGED TOWER SUSP	57						BPSU-DELTA	STEEL	75/0	N/A					INSTALL CONCRETE CAISSON (1)	
61	61	SC STL TRI LEGGED TOWER SUSP	57						BPSU-DELTA	STEEL	75/0	N/A					INSTALL CONCRETE CAISSON (1)	
62	62	SC STL TRI LEGGED TOWER SUSP	57						BPSU-DELTA	STEEL	75/0	N/A					INSTALL CONCRETE CAISSON (1)	
63	63	SC STL TRI LEGGED TOWER SUSP	57						BPSU-DELTA	STEEL	75/0	N/A					INSTALL CONCRETE CAISSON (1)	
64	64	SC STL TRI LEGGED TOWER SUSP	57						BPSU-DELTA	STEEL	75/0	N/A					INSTALL CONCRETE CAISSON (1)	
65	65	SC STL TRI LEGGED TOWER SUSP	57						BPSU-DELTA	STEEL	75/0	N/A					INSTALL CONCRETE CAISSON (1)	

LOCKPORT - BATAVIA LINE 112			
OPGW 1/2"			
FROM	TO	RULING SPAN	NESC HEAVY TENSION (LBS)
56	67	555.21	5000

LOCKPORT - BATAVIA LINE 112			
795 KCMIL ACSR "DRAKE"			
FROM	TO	RULING SPAN	NESC HEAVY TENSION (LBS)
56	67	555.17	8000

CONDUCTOR DISPLAYED AT 257° F
SHIELDWIRE DISPLAYED AT 120° F

PREPARED FOR CONSTRUCTION GROUP USE

HOWEVER, THIS SHEET SHOULD NOT BE CONSIDERED THE SOLE SOURCE OF INFORMATION REQUIRED FOR THE CONSTRUCTION OF THAT PORTION OF THE PROJECT DEPICTED ON THIS SHEET AND SHOULD ONLY BE USED IN CONJUNCTION WITH SHEETS OF THE SAME NUMBER CONTAINED IN THIS SET OF PLANS.

155KV TRANSMISSION LINES
LOCKPORT - BATAVIA 112
REBUILD PROJECT
CONSTRUCTION PLAN & PROFILE

6/06/25
6.1-L-10-M5
L1-41568
28B

nationalgrid

PREPARED BY
HP
FISHER
VL
RW

APPROVED
BES
RJR
CK
APP.
DR.

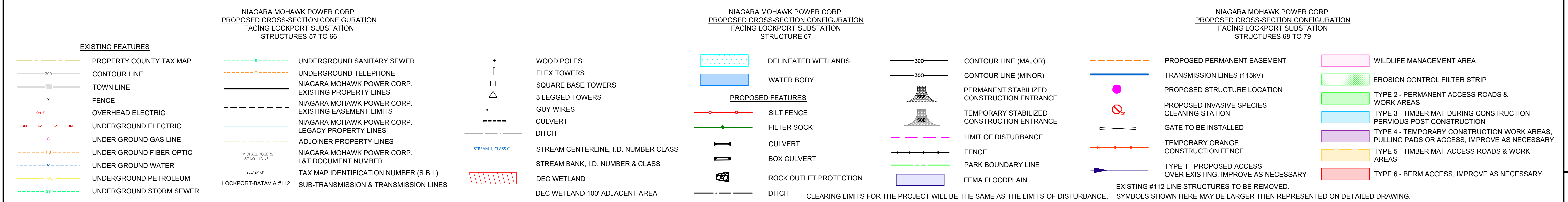
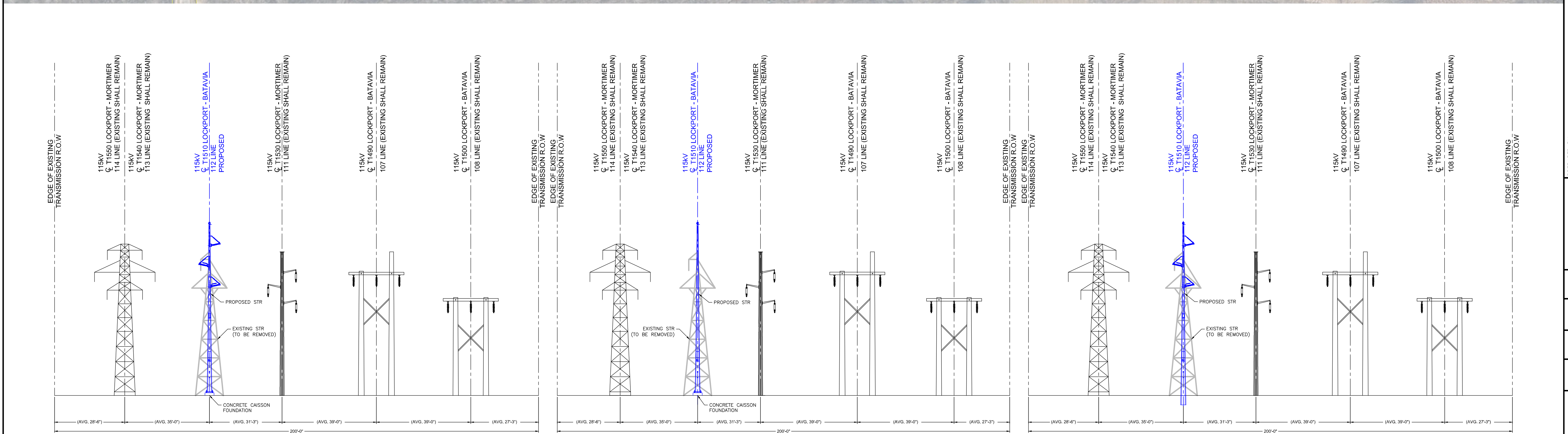
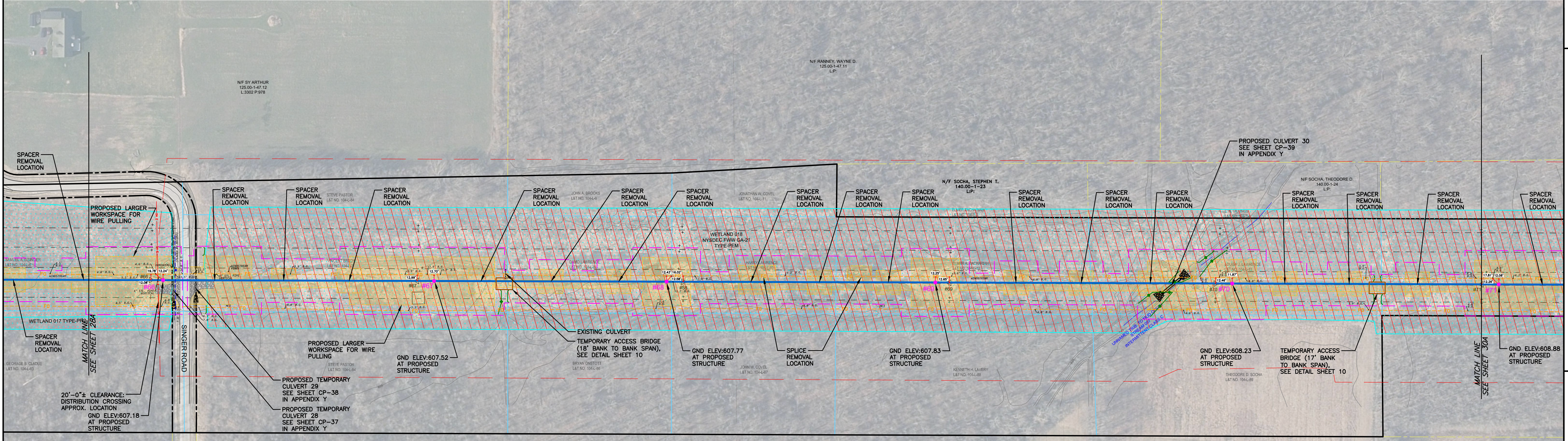
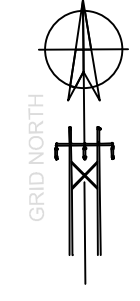
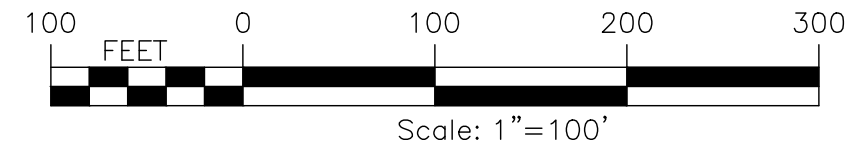
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DATE

ORIGINAL DATE
FILE #
DRAWING NUMBER
NUMBER

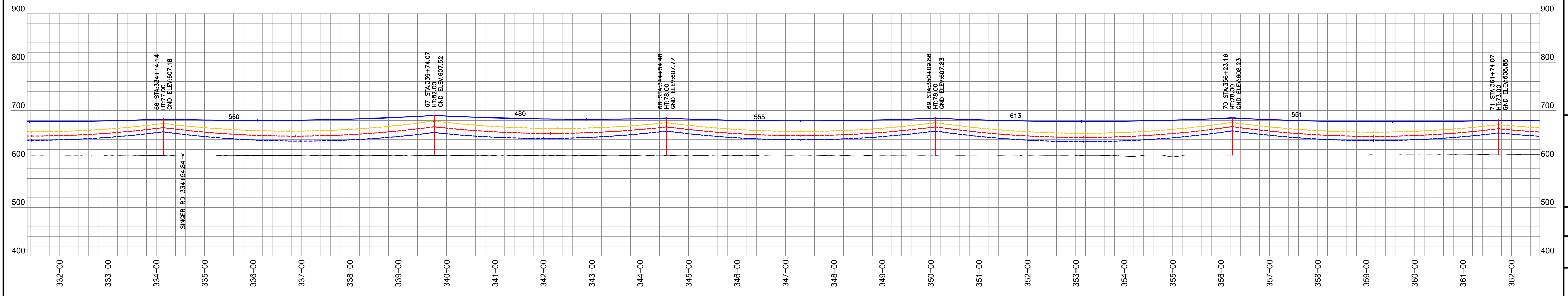
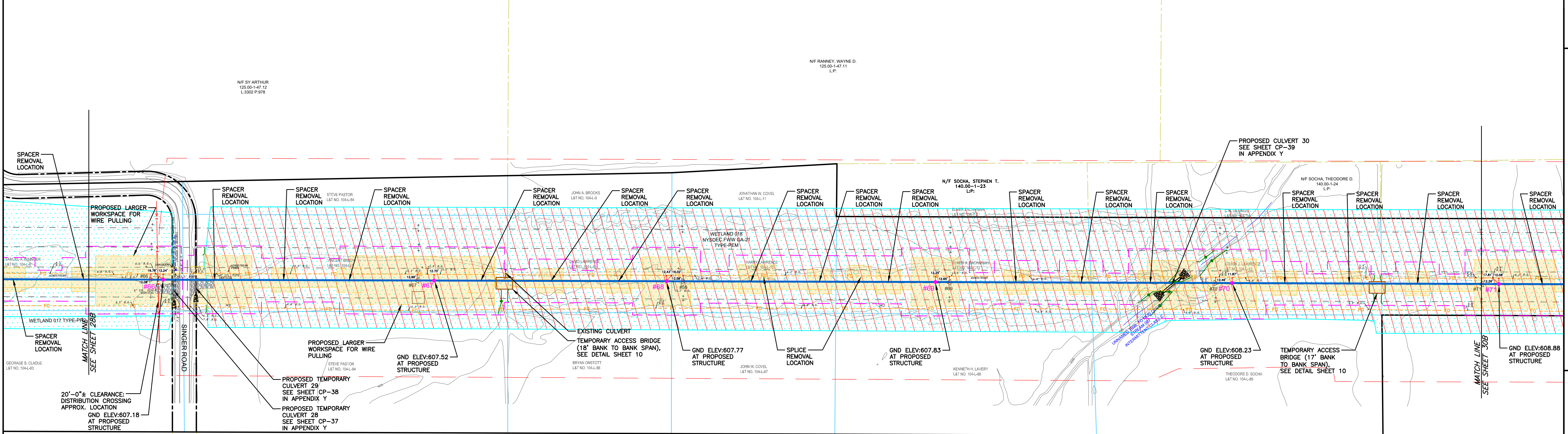
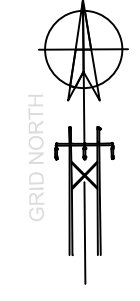
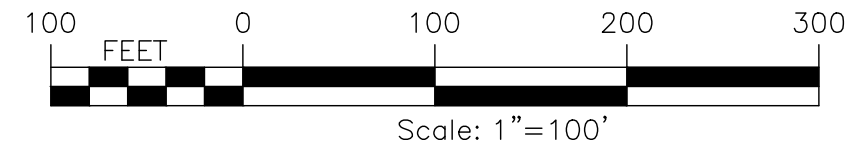
DESCRIPTION OF ISSUE OR REVISION

TOWN OF ROYALTON T.D. 5104 - NIAGARA COUNTY
PLAN VIEW



ORIGINAL DATE	6/06/25	ISSUE	6.1-L10-M5	DRAWING NUMBER	L1-41508	ACCOUNT NUMBER	29A
PREPARED BY	HP	APPROVED	FISHER	APPROVED	VL	APPROVED	RW
DATE		DR.	CK.	APP.	CK.	DATE	
DESCRIPTION OF ISSUE OR REVISION							
1							
2							
3							
4							
5							
6							

TOWN OF ROYALTON T.D. 5104 - NIAGARA COUNTY
PLAN VIEW



LOCKPORT - BATAVIA 112 LINE (FROM 1- 5 TO 211)																		
EXISTING STR NUMBER	NEW STR NUMBER	TYPE	EXISTING STRUCTURE						TYPE	FOUNDATION						NOTES		
			POLE 1		POLE 2		POLE 3			MATERIAL	POLE 1		POLE 2		POLE 3		FOUNDATION TYPE	
			HT (FT, AGL)	CL	HT (FT, AGL)	CL	HT (FT, AGL)	CL			HT, FT (TOTAL/ EMB)	CL	HT, FT (TOTAL/ EMB)	CL	HT, FT (TOTAL/ EMB)			CL
65	65	SC STL TRI LEGGED TOWER SUSP	57					BPSU-DELTA	STEEL	75/0	N/A					INSTALL CONCRETE CAISSON (1)		
66	66	SC STL TRI LEGGED TOWER SUSP	57					BPSU-DELTA	STEEL	75/0	N/A					INSTALL CONCRETE CAISSON (1)		
67	67	SC STL TRI LEGGED TOWER SUSP	57					SPDE	STEEL	80/0	N/A					INSTALL CONCRETE CAISSON (1)		
68	68	SC STL TRI LEGGED TOWER SUSP	57					BPSU-DELTA	STEEL	100/22	H3					INSTALL DIRECT EMBED (1)		
69	69	SC STL TRI LEGGED TOWER DE	59					BPSU-DELTA	STEEL	100/22	H3					INSTALL DIRECT EMBED (1)		
70	70	SC STL TRI LEGGED TOWER SUSP	57					BPSU-DELTA	STEEL	100/22	H3					INSTALL DIRECT EMBED (1)		
71	71	SC STL TRI LEGGED TOWER SUSP	57					BPSU-DELTA	STEEL	95/22	H3					INSTALL DIRECT EMBED (1)		

LOCKPORT - BATAVIA LINE 112			
OPGW 1/2"			
FROM	TO	RULING SPAN	NESC HEAVY TENSION (LBS)
56	67	555.21	5000
67	80	555.52	5000

LOCKPORT - BATAVIA LINE 112			
795 KCMIL ACSR "DRAKE"			
FROM	TO	RULING SPAN	NESC HEAVY TENSION (LBS)
56	67	555.17	8000
67	80	555.49	8000

CONDUCTOR DISPLAYED AT 257° F
SHIELDWIRE DISPLAYED AT 120° F

PREPARED FOR CONSTRUCTION GROUP USE

HOWEVER, THIS SHEET SHOULD NOT BE CONSIDERED THE SOLE SOURCE OF INFORMATION REQUIRED FOR THE CONSTRUCTION OF THAT PORTION OF THE PROJECT DEPICTED ON THIS SHEET AND SHOULD ONLY BE USED IN CONJUNCTION WITH SHEETS OF THE SAME NUMBER CONTAINED IN THIS SET OF PLANS.

nationalgrid

PREPARED BY

HP
APPROVED

FISHER
APPROVED

VL
APPROVED

RW
APPROVED

DATE

115KV TRANSMISSION LINES

LOCKPORT - BATAVIA 112

REBUILD PROJECT

CONSTRUCTION PLAN & PROFILE

ORIGINAL DATE
6/06/25

FILE
6.1-L10-M5

DRAWING NUMBER
L1-41568

ACCOUNT NUMBER
29B

1

2

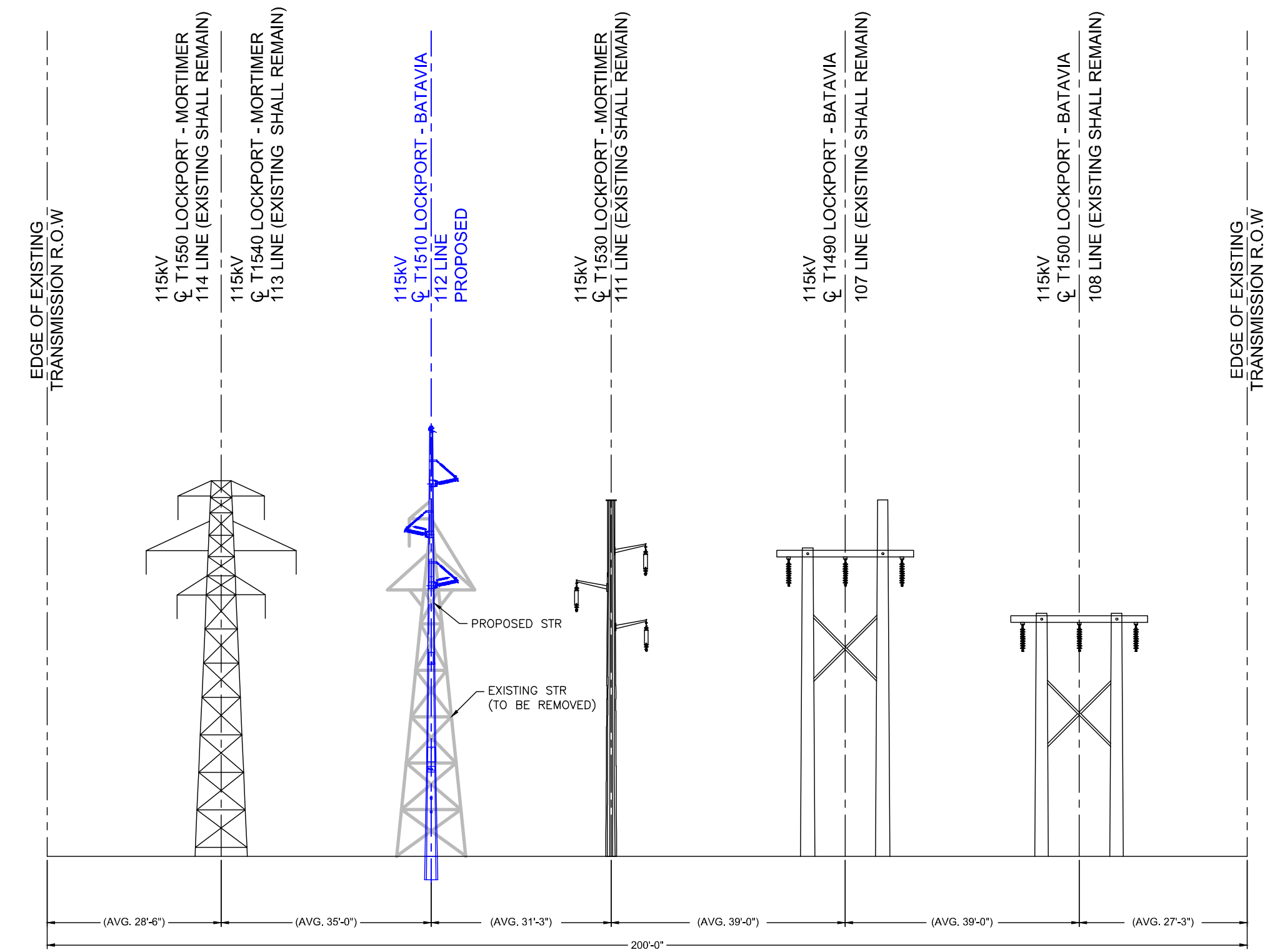
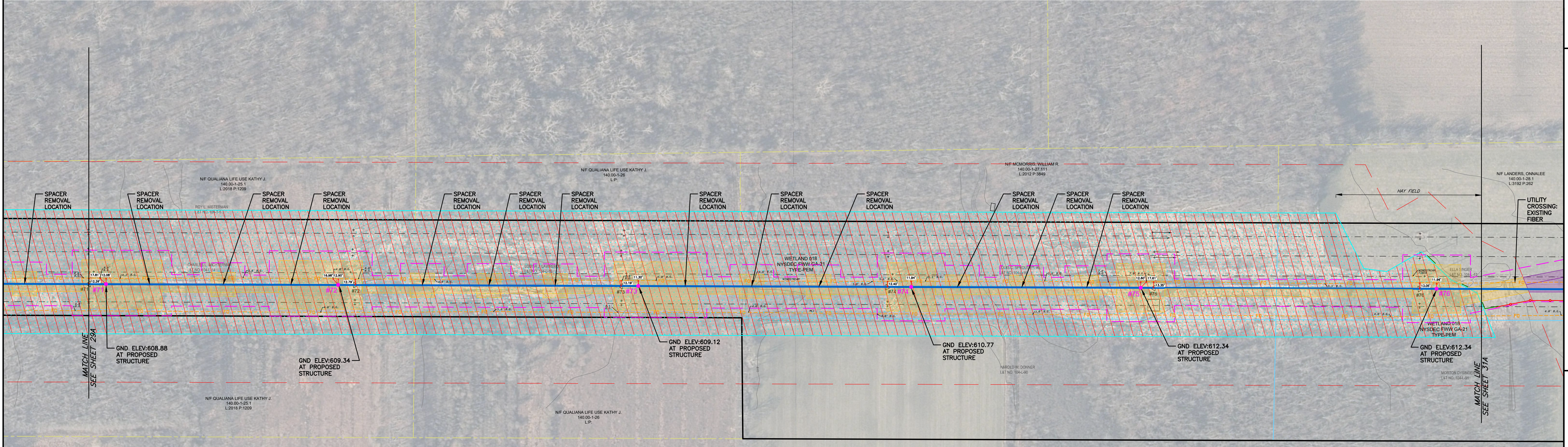
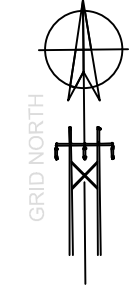
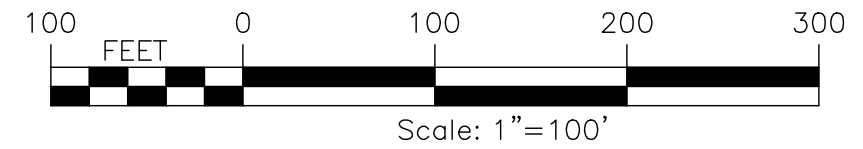
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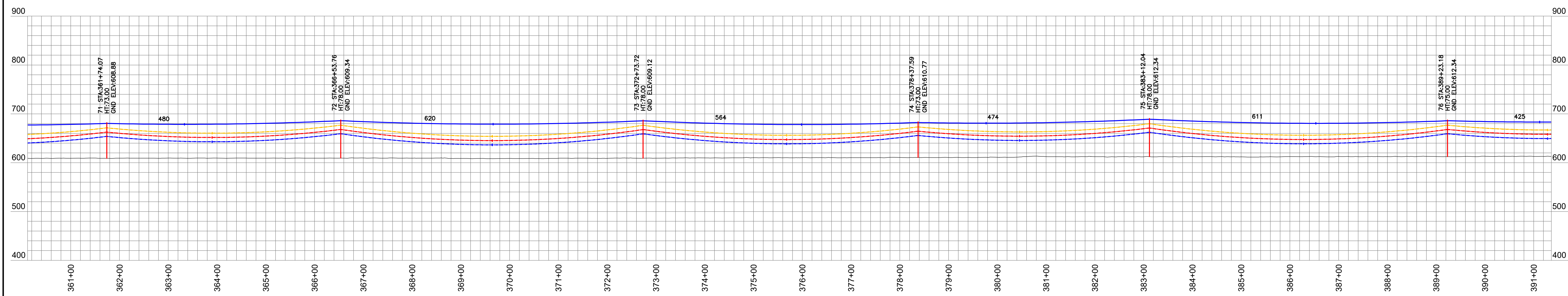
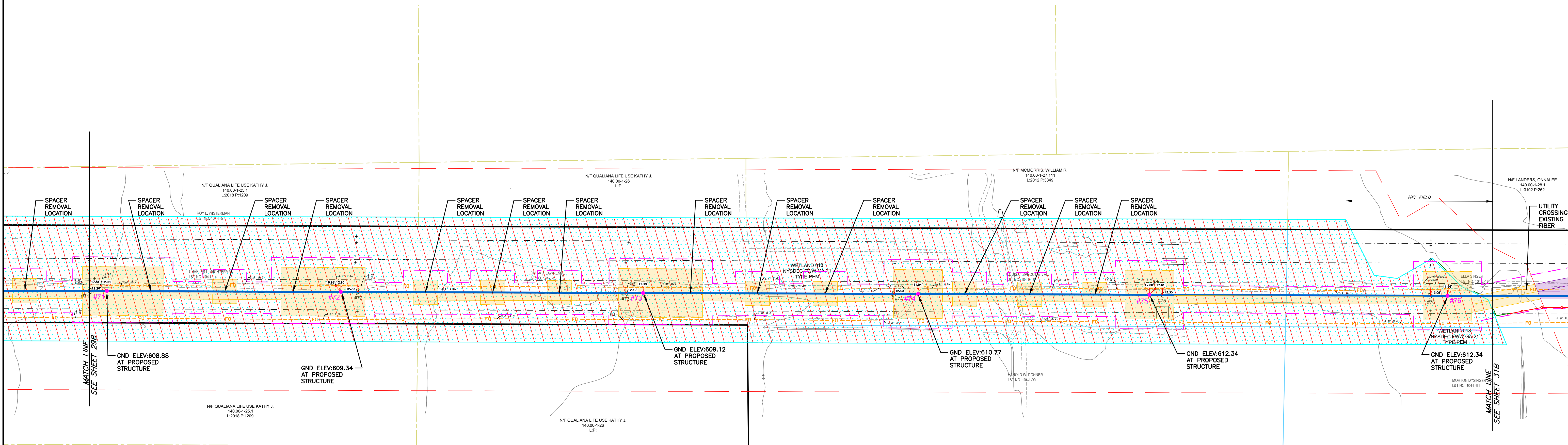
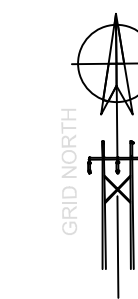
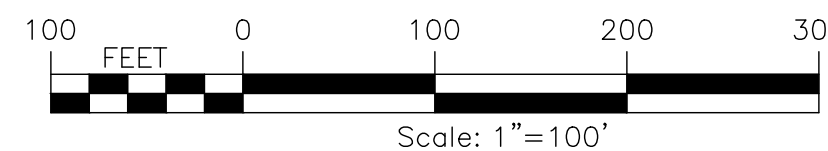
TOWN OF ROYALTON T.D. 5104 - NIAGARA COUNTY
PLAN VIEW



NIAGARA MOHAWK POWER CORP.
PROPOSED CROSS-SECTION CONFIGURATION
FACING LOCKPORT SUBSTATION
STRUCTURES 68 TO 79

EXISTING FEATURES		PROPOSED FEATURES		PROPOSED PERMANENT EASEMENT		WILDLIFE MANAGEMENT AREA	
	PROPERTY COUNTY TAX MAP		DELINEATED WETLANDS		TRANSMISSION LINES (115kV)		WILDLIFE MANAGEMENT AREA
	CONTOUR LINE		WATER BODY		PROPOSED STRUCTURE LOCATION		EROSION CONTROL FILTER STRIP
	TOWN LINE		PROPOSED FEATURES		PROPOSED INVASIVE SPECIES CLEANING STATION		TYPE 2 - PERMANENT ACCESS ROADS & WORK AREAS
	FENCE		LIMIT OF DISTURBANCE		GATE TO BE INSTALLED		TYPE 3 - TIMBER MAT DURING CONSTRUCTION
	OVERHEAD ELECTRIC		FENCE		TEMPORARY ORANGE CONSTRUCTION FENCE		TYPE 4 - TEMPORARY CONSTRUCTION WORK AREAS
	UNDERGROUND ELECTRIC		PARK BOUNDARY LINE		TYPE 1 - PROPOSED ACCESS		TYPE 5 - TIMBER MAT ACCESS ROADS & WORK AREAS
	UNDER GROUND GAS LINE		FEMA FLOODPLAIN		TYPE 6 - BERM ACCESS		TYPE 6 - BERM ACCESS, IMPROVE AS NECESSARY
	UNDER GROUND FIBER OPTIC						
	UNDER GROUND WATER						
	UNDERGROUND PETROLEUM						
	UNDERGROUND STORM SEWER						
	UNDERGROUND SANITARY SEWER						
	UNDERGROUND TELEPHONE						
	NIAGARA MOHAWK POWER CORP. EXISTING PROPERTY LINES						
	NIAGARA MOHAWK POWER CORP. EXISTING EASEMENT LIMITS						
	NIAGARA MOHAWK POWER CORP. LEGACY PROPERTY LINES						
	TAX MAP IDENTIFICATION NUMBER (S.B.L.)						
	SUB-TRANSMISSION & TRANSMISSION LINES						

115KV TRANSMISSION LINES	6/06/25	ORIGINAL DATE	1
LOCKPORT - BATAVIA 112	6.1-L10-M5	ISSUE	2
REBUILD PROJECT	L1-41568	DRAWING NUMBER	3
FORESTRY & REAL ESTATE PLAN	30A	ACCOUNT NUMBER	4
		DATE	5
		DESCRIPTION OF ISSUE OR REVISION	6



LOCKPORT - BATAVIA 112 LINE (FROM 1- 5 TO 211)																				
EXISTING STR NUMBER	NEW STR NUMBER	TYPE	EXISTING STRUCTURE								TYPE									NOTE
			POLE 1		POLE 2		POLE 3		POLE 1			POLE 2		POLE 3		FOUNDATION TYPE				
			HT (FT, AGL)	CL	HT (FT, AGL)	CL	HT (FT, AGL)	CL	MATERIAL	HT, FT (TOTAL/ EMB)		CL	HT, FT (TOTAL/ EMB)	CL	HT, FT (TOTAL/ EMB)		CL			
71	71	SC STL TRI LEGGED TOWER SUSP	57							BPSU-DELTA	STEEL	95/22	H3					INSTALL DIRECT EMBED (1)		
72	72	SC STL TRI LEGGED TOWER SUSP	57							BPSU-DELTA	STEEL	100/22	H3					INSTALL DIRECT EMBED (1)		
73	73	SC STL TRI LEGGED TOWER SUSP	57							BPSU-DELTA	STEEL	100/22	H3					INSTALL DIRECT EMBED (1)		
74	74	SC STL TRI LEGGED TOWER SUSP	57							BPSU-DELTA	STEEL	95/22	H3					INSTALL DIRECT EMBED (1)		
75	75	SC STL TRI LEGGED TOWER SUSP	57							BPSU-DELTA	STEEL	100/22	H3					INSTALL DIRECT EMBED (1)		
76	76	SC STL TRI LEGGED TOWER SUSP	57							BPSU-DELTA	STEEL	95/20	H3					INSTALL DIRECT EMBED (1)		

LOCKPORT - BATAVIA LINE 112			
OPGW 1/2"			
FROM	TO	RULING SPAN	NESC HEAVY TENSION (LBS)
67	80	555.52	5000

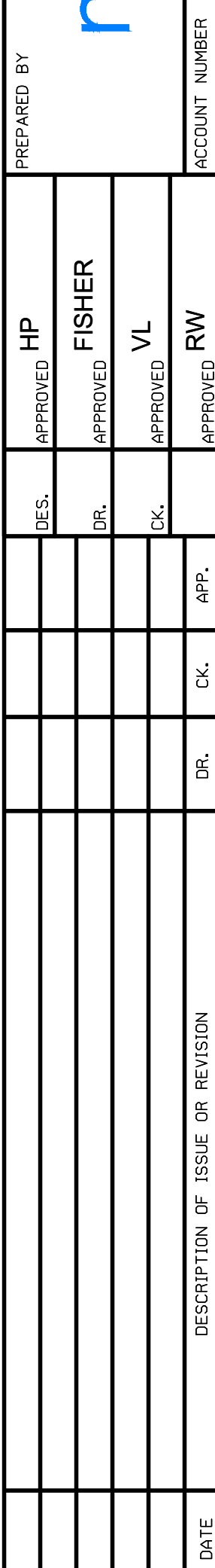
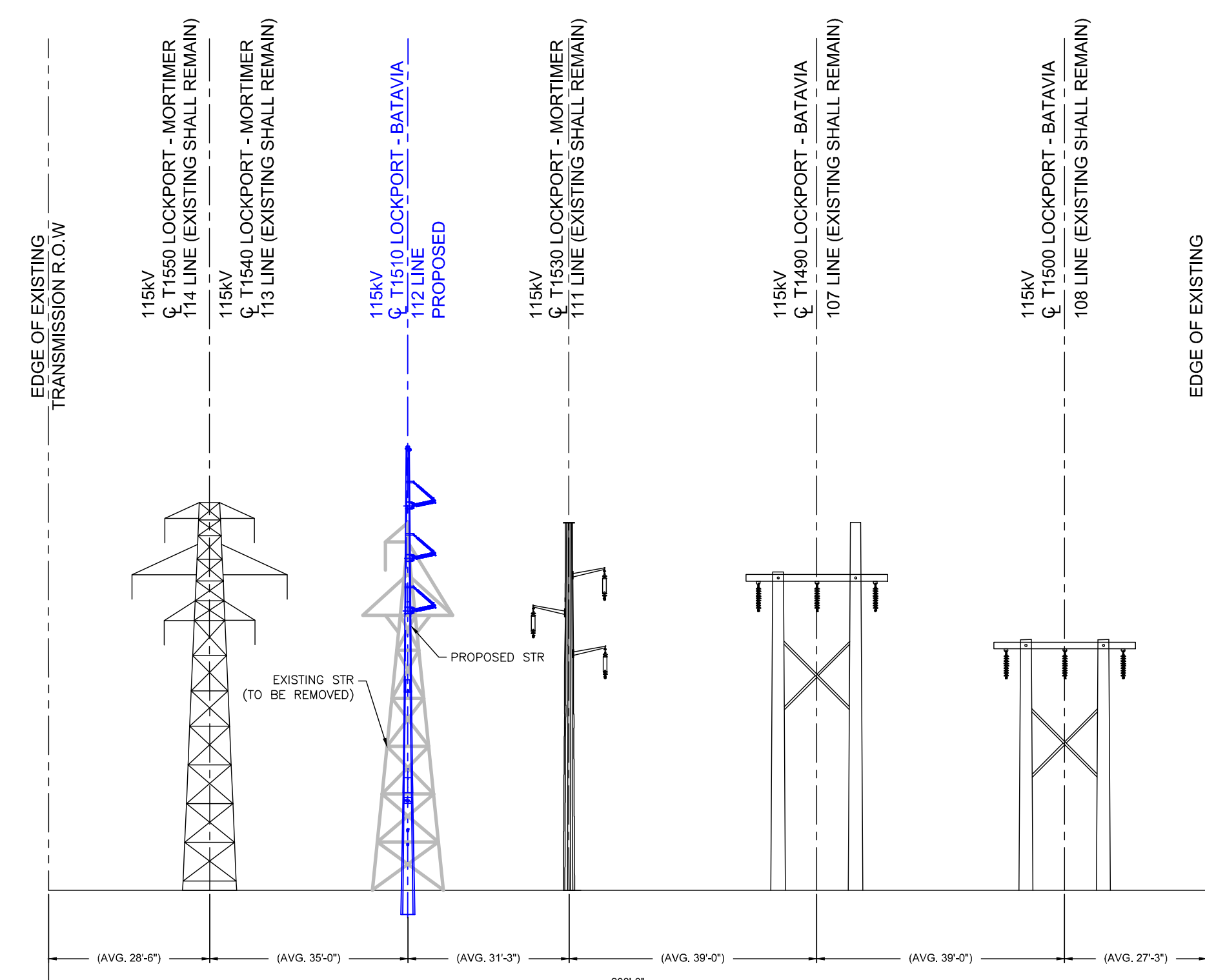
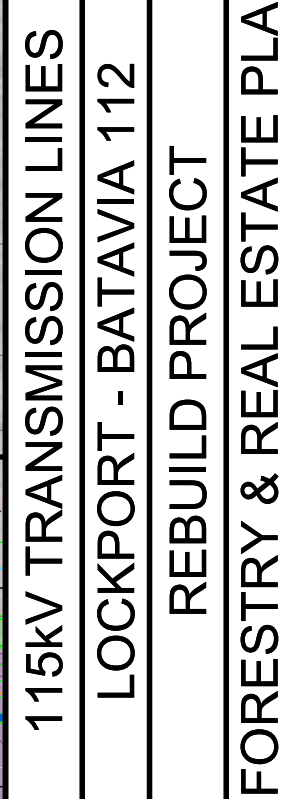
LOCKPORT - BATAVIA LINE 112			
795 KCMIL ACSR "DRAKE"			
FROM	TO	RULING SPAN	NESC HEAVY TENSION (LBS)
67	80	555.49	8000

CONDUCTOR DISPLAYED AT 257°F
SHIELDWIRE DISPLAYED AT 120°F

PREPARED FOR CONSTRUCTION GROUP USE

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CONSTRUCTION OF THAT PORTION OF THE PROJECT
DEPICTED ON THIS SHEET AND SHOULD ONLY BE USED IN
CONJUNCTION WITH SHEETS OF THE SAME NUMBER
CONTAINED IN THIS SET OF PLANS.

[illegible]



1

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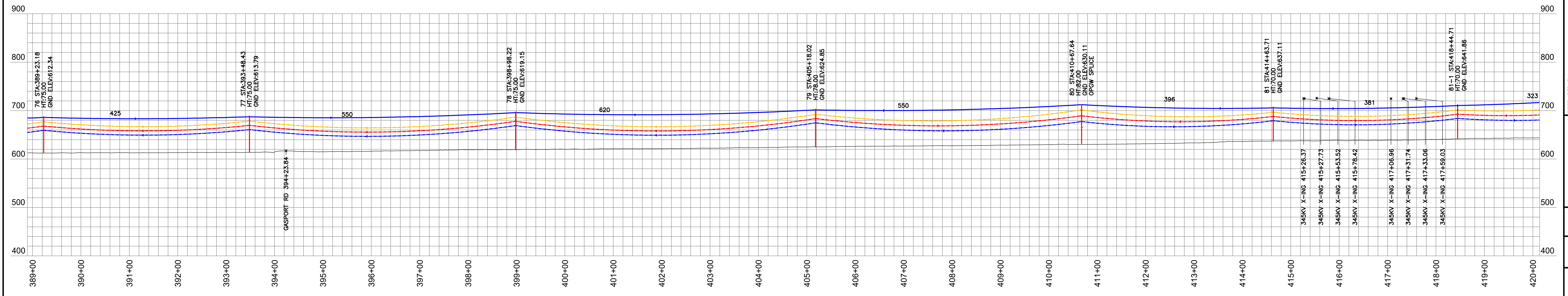
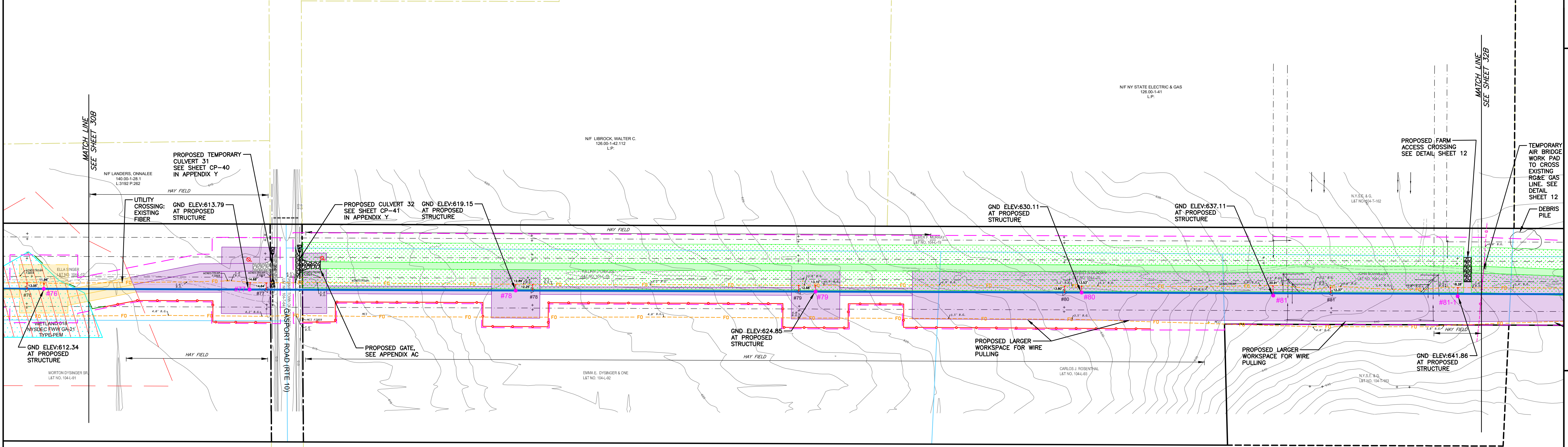
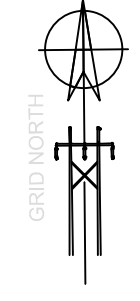
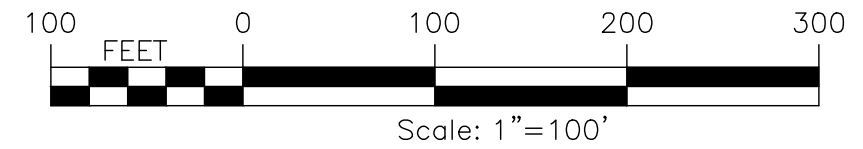
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14

5

6

TOWN OF ROYALTON T.D. 5104 - NIAGARA COUNTY
PLAN VIEW



LOCKPORT - BATAVIA 112 LINE (FROM 1- 5 TO 211)																		
EXISTING STR NUMBER	NEW STR NUMBER	TYPE	EXISTING STRUCTURE						TYPE	MATERIAL	POLE 1		POLE 2		POLE 3		FOUNDATION TYPE	NOTES
			HT (FT, AGL)	CL	HT (FT, AGL)	CL	HT (FT, AGL)	CL			HT, FT (TOTAL/ EMB)	CL	HT, FT (TOTAL/ EMB)	CL	HT, FT (TOTAL/ EMB)	CL		
76	76	SC STL TRI LEGGED TOWER SUSP	57					BPSU-DELTA	STEEL	95/20	H3						INSTALL DIRECT EMBED (1)	
77	77	SC STL TRI LEGGED TOWER SUSP	57					BPSU-DELTA	STEEL	95/20	H3						INSTALL DIRECT EMBED (1)	
78	78	SC STL TRI LEGGED TOWER SUSP	56					BPSU-DELTA	STEEL	100/22	H3						INSTALL DIRECT EMBED (1)	
79	79	SC STL TRI LEGGED TOWER SUSP	57					BPSU-DELTA	STEEL	100/22	H3						INSTALL DIRECT EMBED (1)	
80	80	SC STL TRI LEGGED TOWER SUSP	57					SPDE	STEEL	80/0	N/A						INSTALL CONCRETE CAISSON (1)	
81	81	SC STL TRI LEGGED TOWER SUSP	57					BPSU-DELTA	STEEL	90/20	H10						INSTALL DIRECT EMBED (1)	
	81-1	NO EXISTING STRUCTURE						BPSU-DELTA	STEEL	90/20	H10						INSTALL DIRECT EMBED (1)	

LOCKPORT - BATAVIA LINE 112			
OPGW 1/2"			
FROM	TO	RULING SPAN	NESC HEAVY TENSION (LBS)
67	80	555.52	5000
80	82	369.82	4000
82	92	522.46	5000

LOCKPORT - BATAVIA LINE 112			
795 KCMIL ACSR "DRAKE"			
FROM	TO	RULING SPAN	NESC HEAVY TENSION (LBS)
67	80	555.49	8000
80	82	369.69	8000
82	92	522.43	8000

CONDUCTOR DISPLAYED AT 257° F
SHIELDWIRE DISPLAYED AT 120° F

PREPARED FOR CONSTRUCTION GROUP USE

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nationalgrid

PREPARED BY

HP
APPROVED
FISHER
APPROVED
VL
APPROVED
RW
APPROVED

ISS. APPROVED
DR.

DATE

115KV TRANSMISSION LINES

LOCKPORT - BATAVIA 112

REBUILD PROJECT

CONSTRUCTION PLAN & PROFILE

ORIGINAL DATE
6/06/25

FILE #
6.1-L-10-M5

DRAWING NUMBER
L1-41568

31B

1

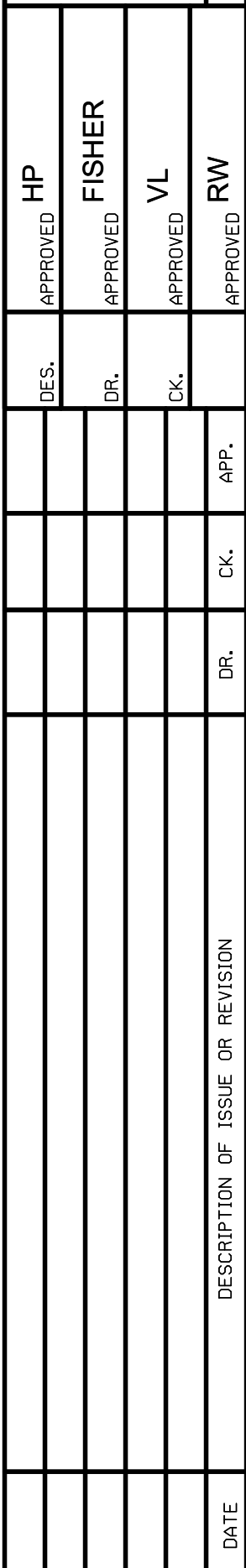
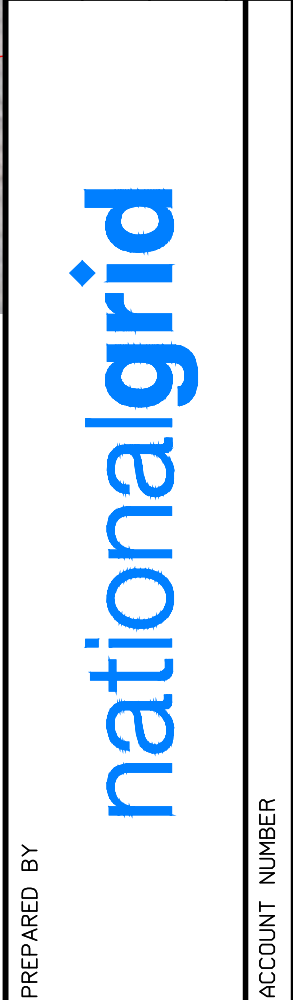
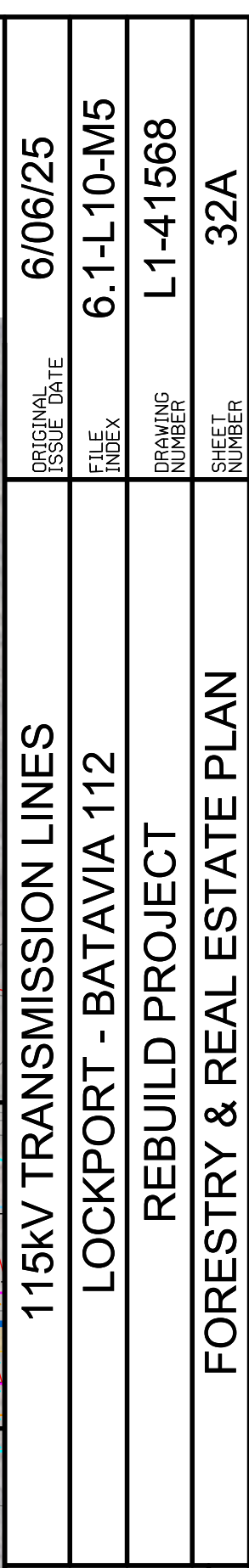
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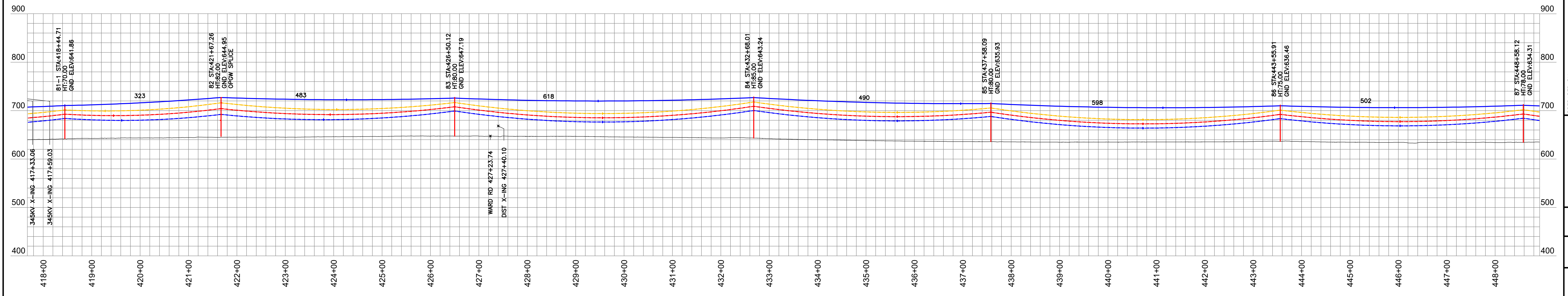
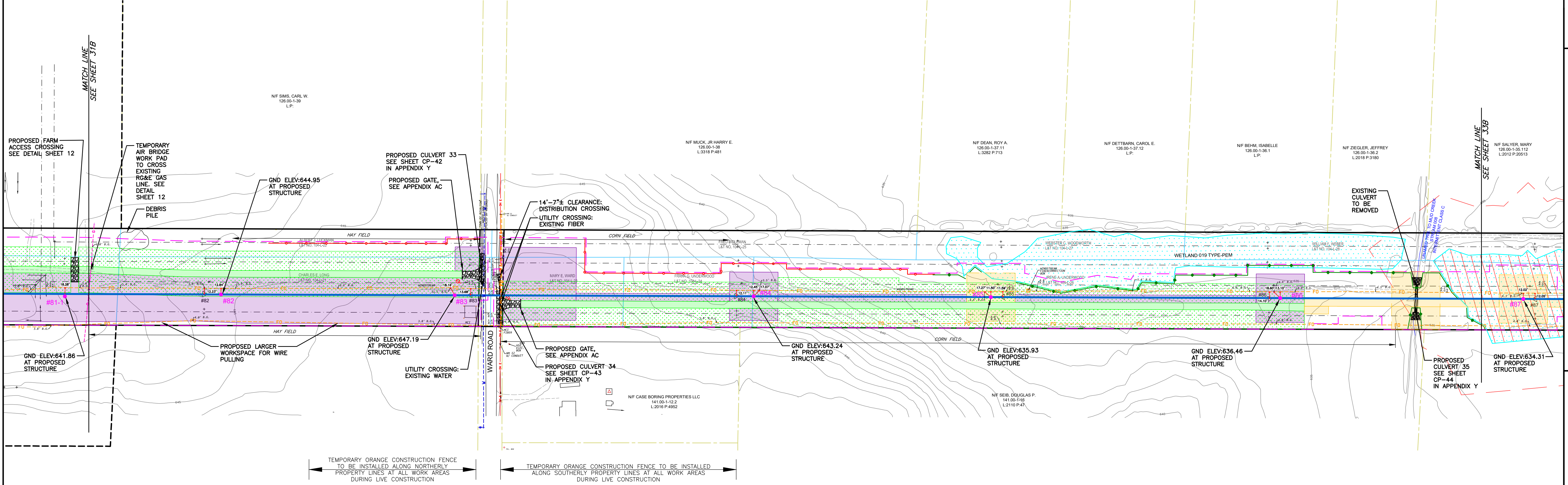
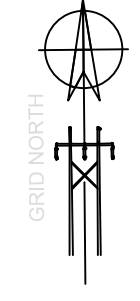
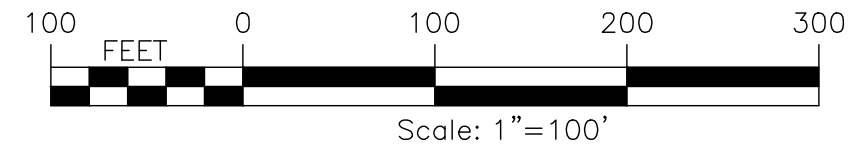
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TOWN OF ROYALTON T.D. 5104 - NIAGARA COUNTY
PLAN VIEW



LOCKPORT - BATAVIA 112 LINE (FROM 1- 5 TO 211)																		
EXISTING STR NUMBER	NEW STR NUMBER	TYPE	EXISTING STRUCTURE						TYPE	POLE 1		POLE 2		POLE 3		FOUNDATION TYPE	NOTES	
			POLE 1		POLE 2		POLE 3			MATERIAL	HT, FT (TOTAL/ EMB)	CL	HT, FT (TOTAL/ EMB)	CL	HT, FT (TOTAL/ EMB)			CL
			HT (FT, AGL)	CL	HT (FT, AGL)	CL	HT (FT, AGL)	CL										
81	81	SC STL TRI LEGGED TOWER SUSP	57						BPSU-DELTA	STEEL	90/20	H10				INSTALL DIRECT EMBED (1)		
	81-1	NO EXISTING STRUCTURE							BPSU-DELTA	STEEL	90/20	H10				INSTALL DIRECT EMBED (1)		
82	82	SC STL TRI LEGGED TOWER SUSP	57						SPDE	STEEL	80/0	N/A				INSTALL CONCRETE CAISSON (1)		
83	83	SC STL TRI LEGGED TOWER SUSP	57						BPSU-DELTA	STEEL	100/20	H3				INSTALL DIRECT EMBED (1)		
84	84	SC STL TRI LEGGED TOWER SUSP	56						BPSU-DELTA	STEEL	105/20	H4				INSTALL DIRECT EMBED (1)		
85	85	SC STL TRI LEGGED TOWER SUSP	57						BPSU-DELTA	STEEL	100/20	H3				INSTALL DIRECT EMBED (1)		
86	86	SC STL TRI LEGGED TOWER SUSP	56						BPSU-DELTA	STEEL	95/20	H3				INSTALL DIRECT EMBED (1)		
87	87	SC STL TRI LEGGED TOWER SUSP	57						BPSU-DELTA	STEEL	100/22	H3				INSTALL DIRECT EMBED (1)		

LOCKPORT - BATAVIA LINE 112			
OPGW 1/2"			
FROM	TO	RULING SPAN	NESC HEAVY TENSION (LBS)
82	92	522.46	5000

LOCKPORT - BATAVIA LINE 112			
795 KCMIL ACSR "DRAKE"			
FROM	TO	RULING SPAN	NESC HEAVY TENSION (LBS)
82	92	522.43	8000

CONDUCTOR DISPLAYED AT 257° F
SHIELDWIRE DISPLAYED AT 120°F

PREPARED FOR CONSTRUCTION GROUP USE

HOWEVER, THIS SHEET SHOULD NOT BE CONSIDERED THE SOLE SOURCE OF INFORMATION REQUIRED FOR THE CONSTRUCTION OF THAT PORTION OF THE PROJECT DEPICTED ON THIS SHEET AND SHOULD ONLY BE USED IN CONJUNCTION WITH SHEETS OF THE SAME NUMBER CONTAINED IN THIS SET OF PLANS.

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nationalgrid

PREPARED BY

HP
APPROVED

FISHER
APPROVED

VL
APPROVED

RW
APPROVED

DATE

115KV TRANSMISSION LINES

LOCKPORT - BATAVIA 112

REBUILD PROJECT

CONSTRUCTION PLAN & PROFILE

ORIGINAL DATE
6/06/25

ISSUE
6.1-L10-M5

DRAWING NUMBER
L1-41568

32B

ACCOUNT NUMBER

4

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