



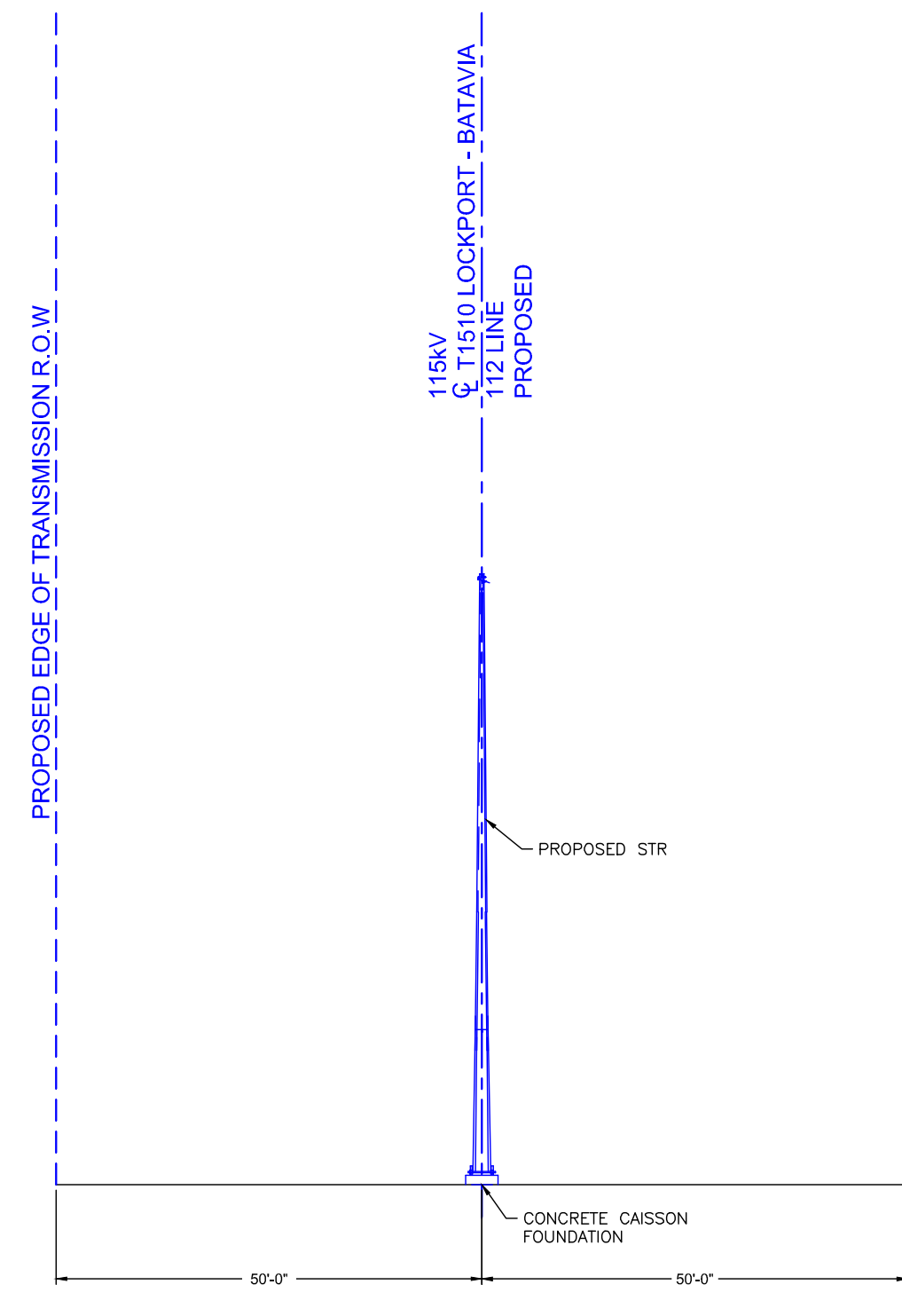
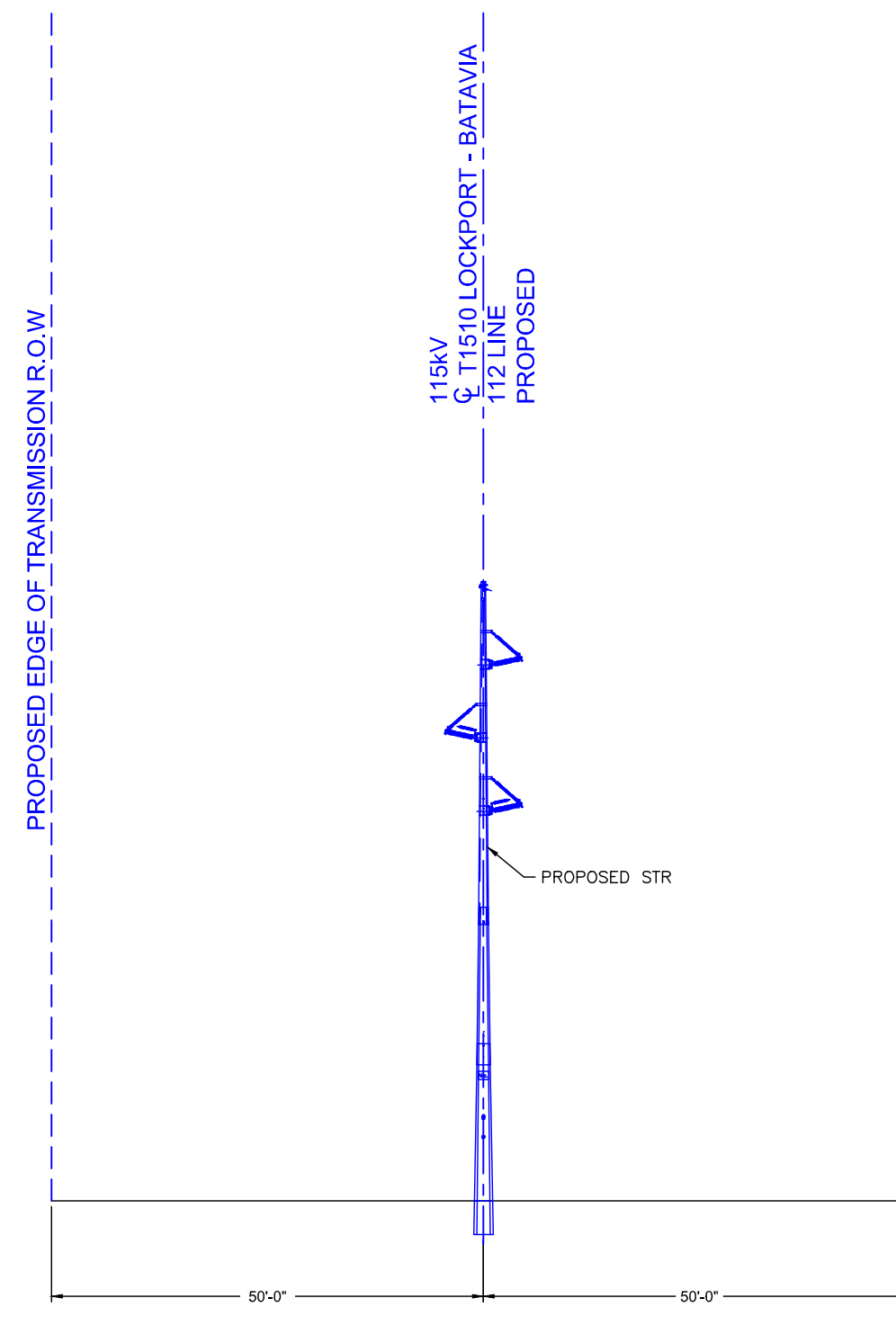
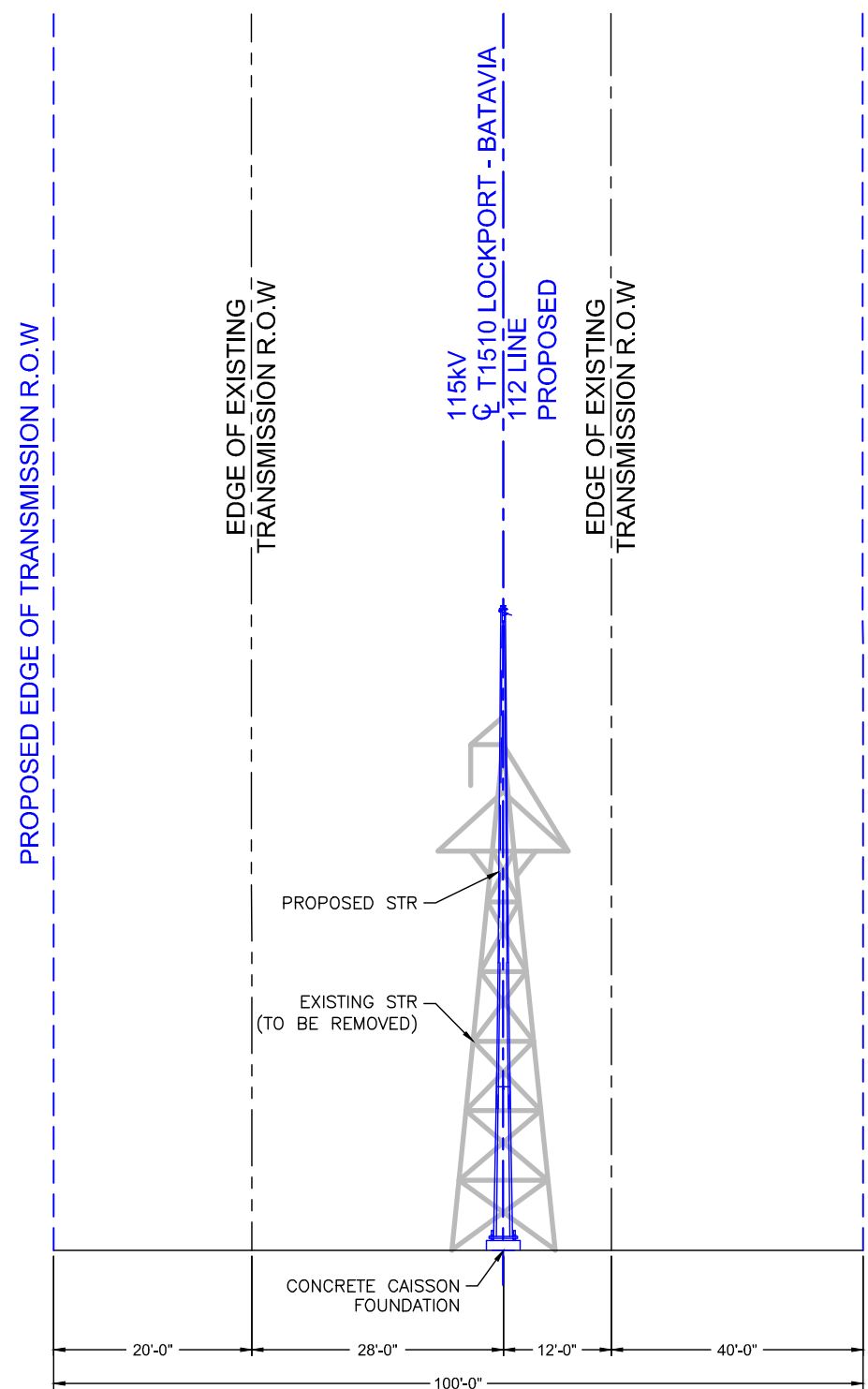
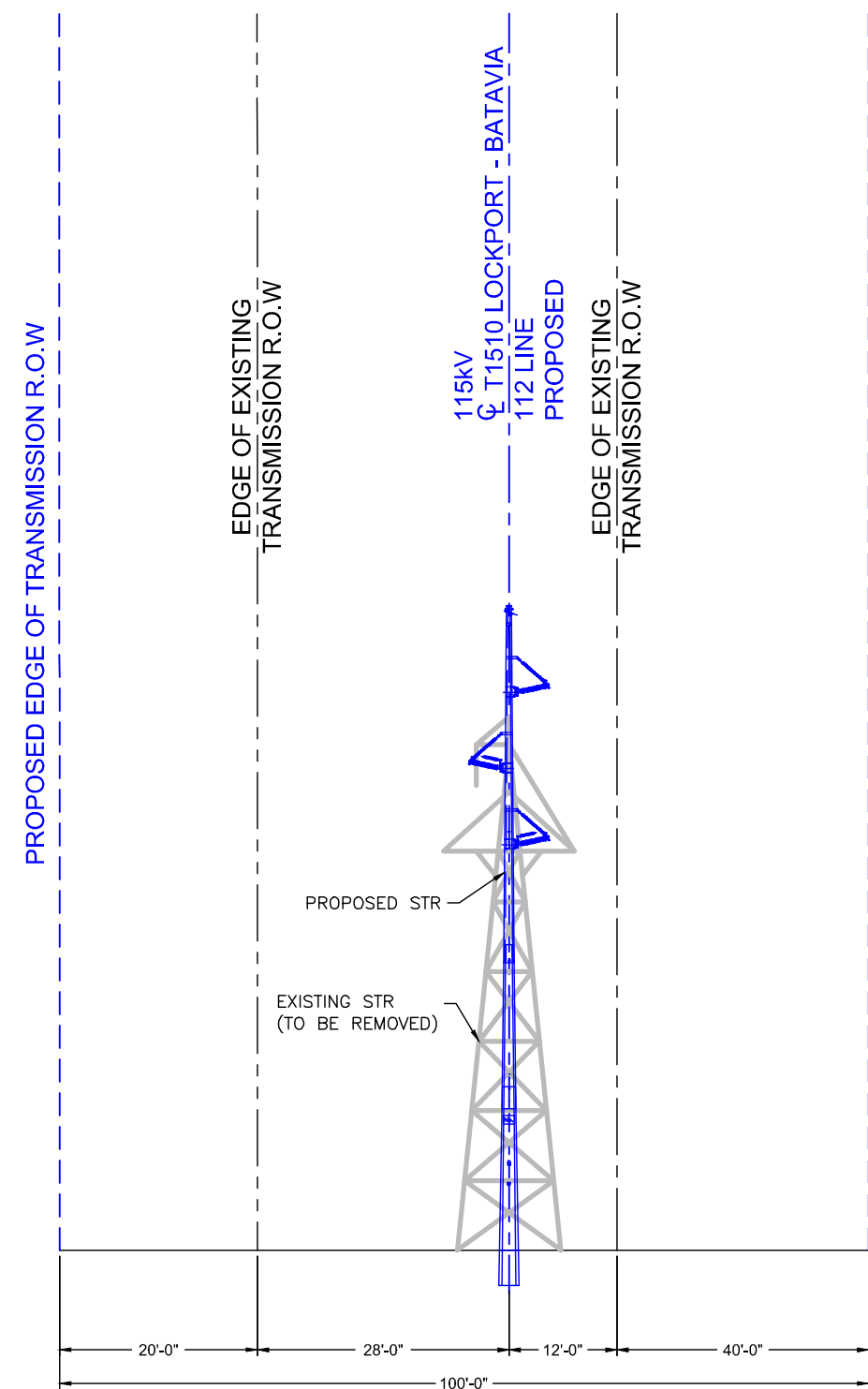
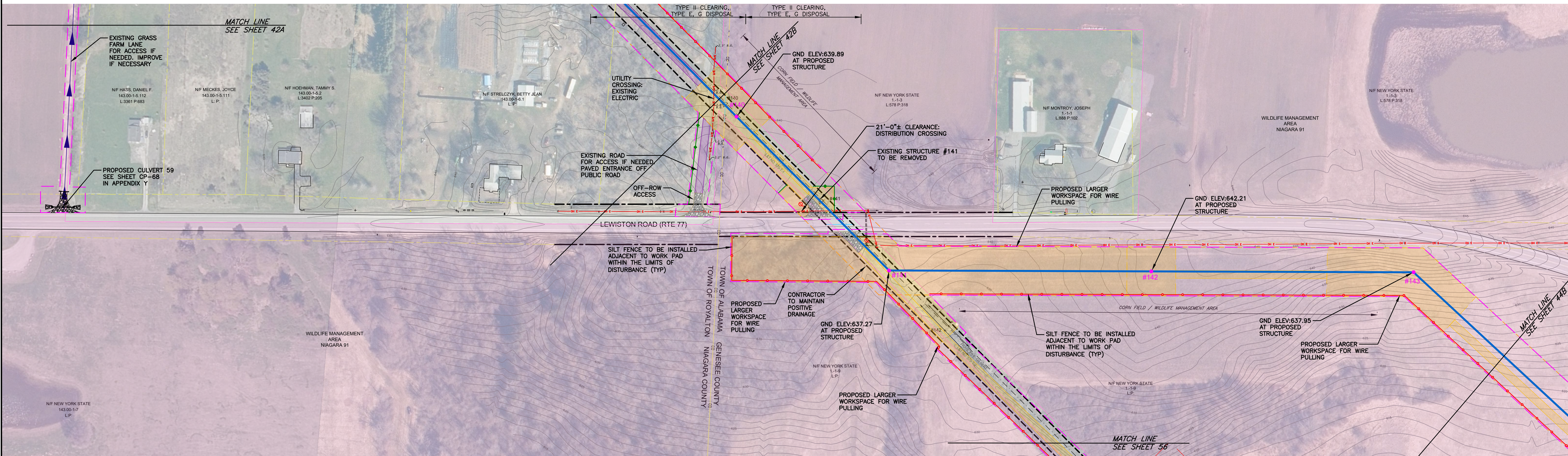
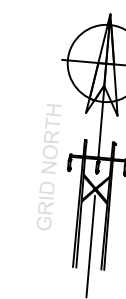
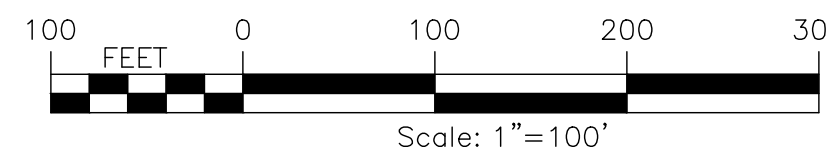
**Lockport-Batavia Line #112
Rebuild Project**

Appendix A

Plan & Profile Drawings

Part 8 of 11

TOWN OF ROYALTON T.D. 5104 - NIAGARA COUNTY
TOWN OF ALABAMA T.D. 5570 - GENESEE COUNTY
PLAN VIEW



NIAGARA MOHAWK POWER CORP.
PROPOSED CROSS-SECTION CONFIGURATION
FACING LOCKPORT SUBSTATION
STRUCTURE 130 TO 140

NIAGARA MOHAWK POWER CORP.
PROPOSED CROSS-SECTION CONFIGURATION
FACING LOCKPORT SUBSTATION
STRUCTURE 141

NIAGARA MOHAWK POWER CORP.
PROPOSED CROSS-SECTION CONFIGURATION
FACING LOCKPORT SUBSTATION
STRUCTURE 142

NIAGARA MOHAWK POWER CORP.
PROPOSED CROSS-SECTION CONFIGURATION
FACING LOCKPORT SUBSTATION
STRUCTURE 143

EXISTING FEATURES

- | | |
|--------------------------|---|
| PROPERTY COUNTY TAX MAP | UNDERGROUND SANITARY SEWER |
| CONTOUR LINE | UNDERGROUND TELEPHONE |
| TOWN LINE | NIAGARA MOHAWK POWER CORP. EXISTING PROPERTY LINES |
| FENCE | NIAGARA MOHAWK POWER CORP. EXISTING EASEMENT LIMITS |
| OVERHEAD ELECTRIC | NIAGARA MOHAWK POWER CORP. LEGACY PROPERTY LINES |
| UNDERGROUND ELECTRIC | ADJOINER PROPERTY LINES |
| UNDER GROUND GAS LINE | NIAGARA MOHAWK POWER CORP. L&T DOCUMENT NUMBER |
| UNDER GROUND FIBER OPTIC | TAX MAP IDENTIFICATION NUMBER (S.B.L) |
| UNDER GROUND WATER | SUB-TRANSMISSION & TRANSMISSION LINES |
| UNDERGROUND PETROLEUM | |
| UNDERGROUND STORM SEWER | |

- | | |
|--------------------|--------------------------------------|
| WOOD POLES | STREAM 1, CLASS C |
| FLEX TOWERS | STREAM CENTERLINE, I.D. NUMBER CLASS |
| SQUARE BASE TOWERS | STREAM BANK, I.D. NUMBER & CLASS |
| 3 LEGGED TOWERS | DEC WETLAND |
| GUY WIRES | DEC WETLAND 100' ADJACENT AREA |
| CULVERT | |
| DITCH | |

- PROPOSED FEATURES
- | | |
|------------------------|--|
| DELINEATED WETLANDS | CONTOUR LINE (MAJOR) |
| WATER BODY | CONTOUR LINE (MINOR) |
| SILT FENCE | PERMANENT STABILIZED CONSTRUCTION ENTRANCE |
| FILTER SOCK | TEMPORARY STABILIZED CONSTRUCTION ENTRANCE |
| CULVERT | LIMIT OF DISTURBANCE |
| BOX CULVERT | FENCE |
| ROCK OUTLET PROTECTION | PARK BOUNDARY LINE |
| DITCH | FEMA FLOODPLAIN |

- | | |
|-----|--|
| 300 | CONTOUR LINE (MAJOR) |
| 300 | CONTOUR LINE (MINOR) |
| | PERMANENT STABILIZED CONSTRUCTION ENTRANCE |
| | TEMPORARY STABILIZED CONSTRUCTION ENTRANCE |
| | LIMIT OF DISTURBANCE |
| | FENCE |
| | PARK BOUNDARY LINE |
| | FEMA FLOODPLAIN |

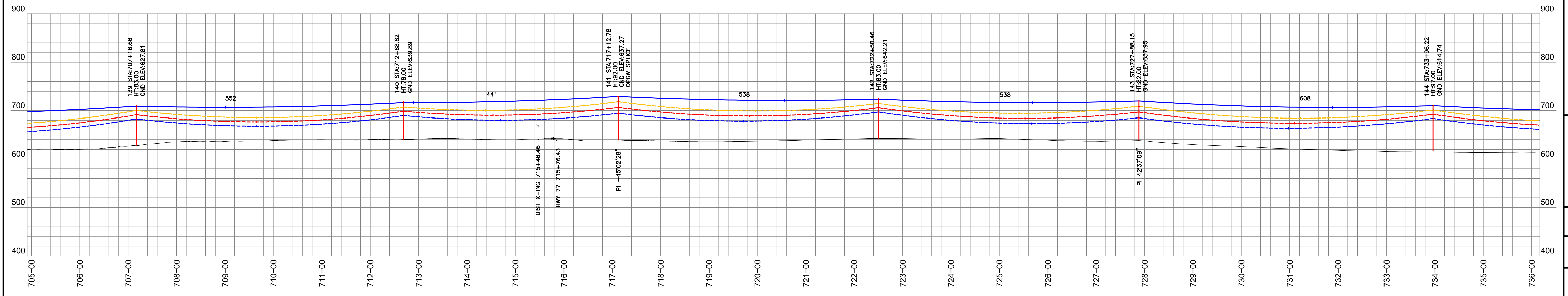
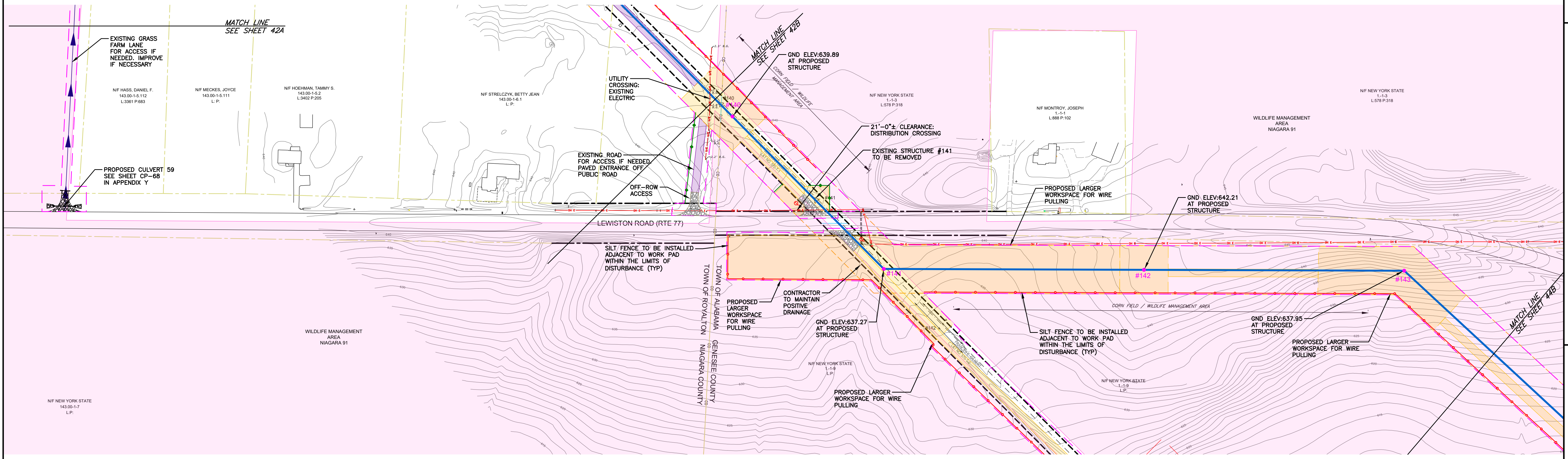
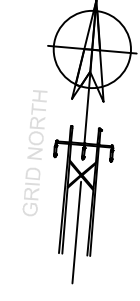
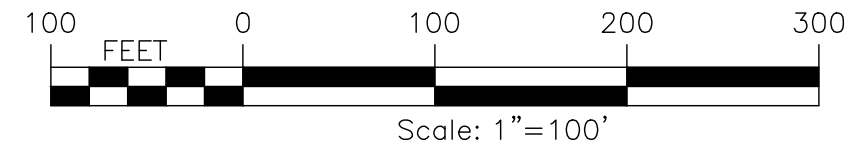
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|--|--|
| PROPOSED PERMANENT EASEMENT | WILDLIFE MANAGEMENT AREA |
| TRANSMISSION LINES (115kV) | EROSION CONTROL FILTER STRIP |
| PROPOSED STRUCTURE LOCATION | TYPE 2 - PERMANENT ACCESS ROADS & WORK AREAS |
| PROPOSED INVASIVE SPECIES CLEANING STATION | TYPE 3 - TIMBER MAT DURING CONSTRUCTION PREVIOUS POST CONSTRUCTION |
| GATE TO BE INSTALLED | TYPE 4 - TEMPORARY CONSTRUCTION WORK AREAS, PULLING PADS OR ACCESS, IMPROVE AS NECESSARY |
| TEMPORARY ORANGE CONSTRUCTION FENCE | TYPE 5 - TIMBER MAT ACCESS ROADS & WORK AREAS |
| TYPE 1 - PROPOSED ACCESS OVER EXISTING, IMPROVE AS NECESSARY | TYPE 6 - BERM ACCESS, IMPROVE AS NECESSARY |

- | |
|--|
| WILDLIFE MANAGEMENT AREA |
| EROSION CONTROL FILTER STRIP |
| TYPE 2 - PERMANENT ACCESS ROADS & WORK AREAS |
| TYPE 3 - TIMBER MAT DURING CONSTRUCTION PREVIOUS POST CONSTRUCTION |
| TYPE 4 - TEMPORARY CONSTRUCTION WORK AREAS, PULLING PADS OR ACCESS, IMPROVE AS NECESSARY |
| TYPE 5 - TIMBER MAT ACCESS ROADS & WORK AREAS |
| TYPE 6 - BERM ACCESS, IMPROVE AS NECESSARY |

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.

115KV TRANSMISSION LINES	6/06/25	6.1-L10-M5	43A
LOCKPORT - BATAVIA 112	ISSUE DATE	REBUILD PROJECT	NUMBER
FORESTRY & REAL ESTATE PLAN	6.1-L10-M5	L1-41508	43A
ACCOUNT NUMBER	DATE	DESCRIPTION OF ISSUE OR REVISION	DATE

TOWN OF ROYALTON T.D. 5104 - NIAGARA COUNTY
TOWN OF ALABAMA T.D. 5570 - GENESEE 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
			HT (FT, AGL)	CL	HT (FT, AGL)	CL			HT (FT, AGL)	CL	MATERIAL	HT, FT (TOTAL/ EMB)	CL	HT, FT (TOTAL/ EMB)		
140	140	SC STL TRI LEGGED TOWER SUSP	56					BPSU-DELTA	STEEL	100/22	H3				INSTALL DIRECT EMBED (1)	
141	141	SC STL TRI LEGGED TOWER DE	58					SPDE	STEEL	90/0	N/A				INSTALL CONCRETE CAISSON (1)	
142	142	SC WD H-FRAME DE	60	UNK	75	UNK		BPSU-DELTA	STEEL	105/22	H3				INSTALL DIRECT EMBED (1)	
143	143	SC WD H-FRAME SUSP	65	UNK	75	UNK		SPDE	STEEL	80/0	N/A				INSTALL CONCRETE CAISSON (1)	

LOCKPORT - BATAVIA LINE 112			
OPGW 1/2"			
FROM	TO	RULING SPAN	NESC HEAVY TENSION (LBS)
129	141	545.36	5000
141	143	536.66	5000

LOCKPORT - BATAVIA LINE 112			
795 KCMIL ACSR "DRAKE"			
FROM	TO	RULING SPAN	NESC HEAVY TENSION (LBS)
129	141	545.33	8000
141	143	536.33	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.

15KV TRANSMISSION LINES
LOCKPORT - BATAVIA 112
REBUILD PROJECT
CONSTRUCTION PLAN & PROFILE

6/06/25
6.1-L10-M5
L1-41568
43B

nationalgrid

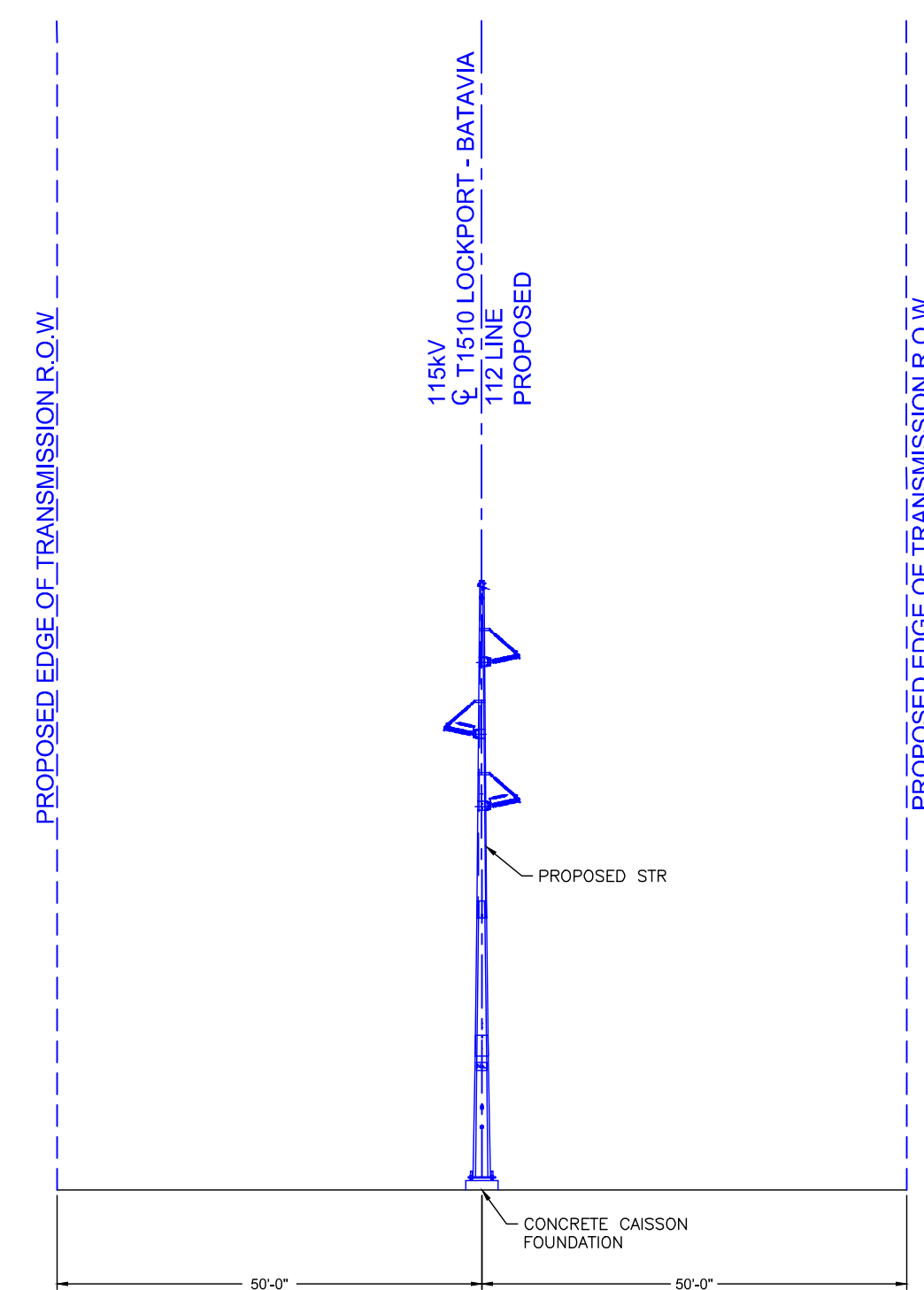
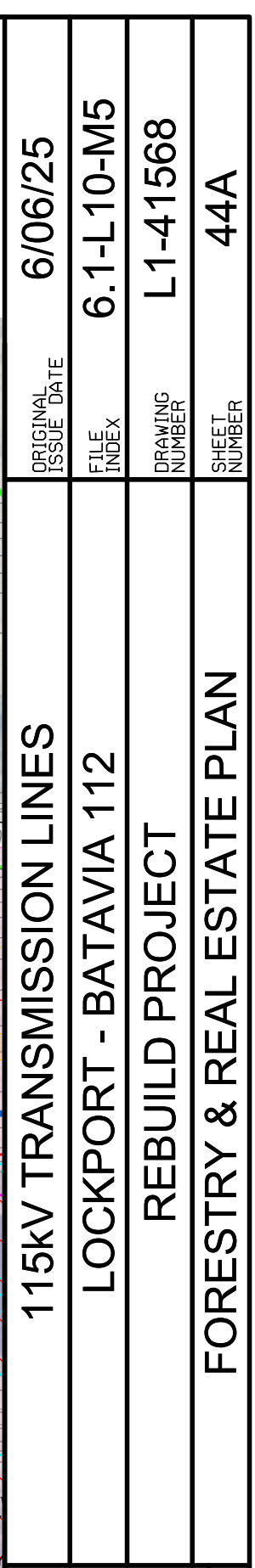
PREPARED BY
HP
FISHER
VL
RW

ISS. APPROVED
PR. APPROVED
CK. APPROVED
APP. APPROVED

DR. CK. DR.

DATE

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2
3
4
5
6



NIAGARA MOHAWK POWER CORP.
PROPOSED CROSS-SECTION CONFIGURATION
FACING LOCKPORT SUBSTATION
STRUCTURES 144 TO 147

- | | | | | | | | |
|---|---|---|---|---|---|---|---|
| A | B | C | D | E | F | G | H |
|---|---|---|---|---|---|---|---|

nationalgrid

PREPARED BY

DES.	HP APPROVED
DR.	FISHER APPROVED
CK.	VL APPROVED
	RW APPROVED

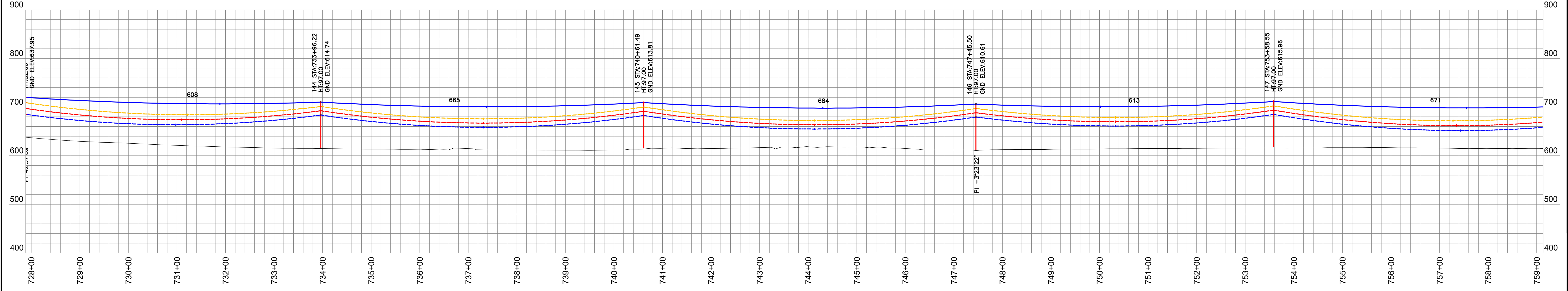
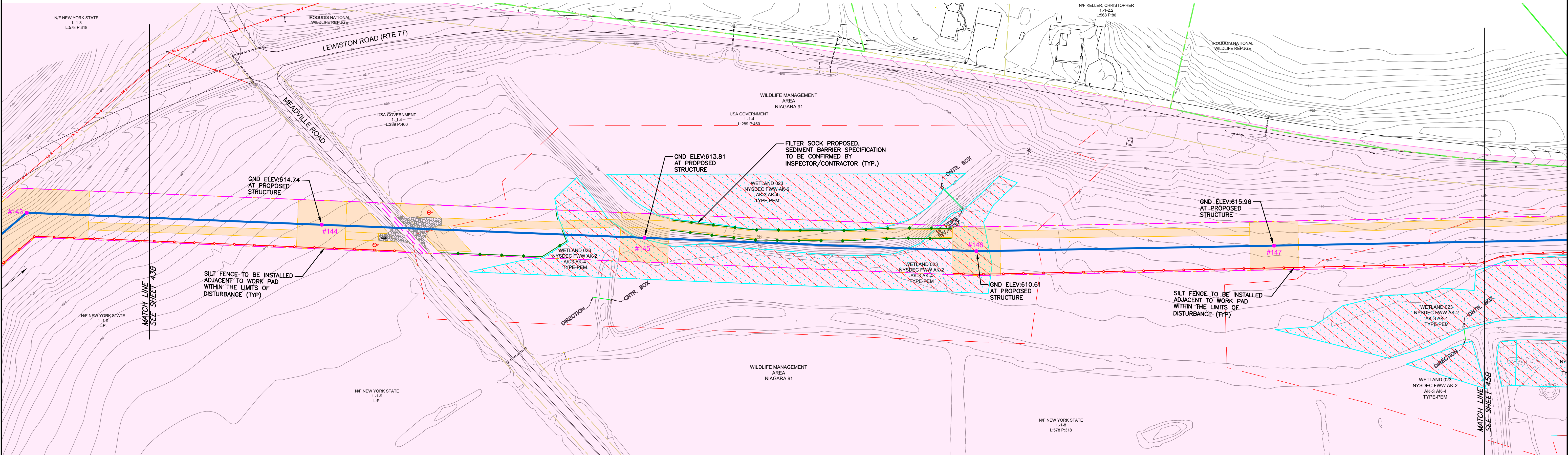
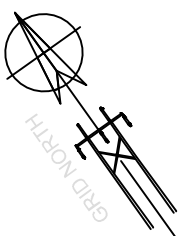
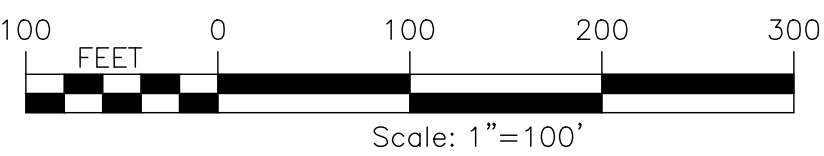
			APP.
			CK.
			DR.

VISION

[illegible]

A horizontal number line with 10 equal intervals, labeled with integers from 0 to 9.

TOWN OF ALABAMA T.D. 5570 - GENESEE 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			
143	143	SC WD H-FRAME SUSP	65	UNK	75	UNK			SPDE	STEEL	80/0	N/A				INSTALL CONCRETE CAISSON (1)				
144	144	SC WD H-FRAME SUSP	65	UNK	75	UNK			BPSU-DELTA	STEEL	95/0	N/A				INSTALL CONCRETE CAISSON (1)				
145	145	SC WD H-FRAME SUSP	65	UNK	76	UNK			BPSU-DELTA	STEEL	95/0	N/A				INSTALL CONCRETE CAISSON (1)				
146	146	SC WD H-FRAME SUSP	60	UNK	71	UNK			BPSU-DELTA	STEEL	95/0	N/A				INSTALL CONCRETE CAISSON (1)				
147	147	SC STL TRI LEGGED TOWER SUSP	57						BPSU-DELTA	STEEL	95/0	N/A				INSTALL CONCRETE CAISSON (1)				

LOCKPORT - BATAVIA LINE 112			
OPGW 1/2"			
FROM	TO	RULING SPAN	NESC HEAVY TENSION (LBS)
143	153	622.48	5000

LOCKPORT - BATAVIA LINE 112			
795 KCMIL ACSR "DRAKE"			
FROM	TO	RULING SPAN	NESC HEAVY TENSION (LBS)
143	153	622.16	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

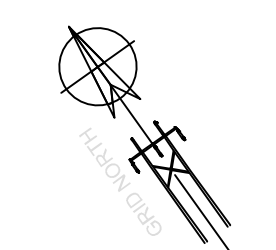
115KV TRANSMISSION LINES
LOCKPORT - BATAVIA 112
REBUILD PROJECT
CONSTRUCTION PLAN & PROFILE

PREPARED BY
HP
FISHER
VL
RW
APPROVED
DATE

ISSUE DATE
6/06/25
6.1-L10-M5
L1-41568
44B

ACCOUNT NUMBER
4

DESCRIPTION OF ISSUE OR REVISION



- | | | | | | | |
|---|---|---|---|---|---|---|
| A | B | C | D | E | F | G |
|---|---|---|---|---|---|---|

115kV TRANSMISSION LINES

15kV TRANSMISSION LINES

V TRANSMISSION | 111

115kV TRANSMISSION LINES

PREPARED BY

REVIEWED BY

PREPARED BY

HP APPROVED

APPROVED	HP
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HP	APPROVED
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33	Approved
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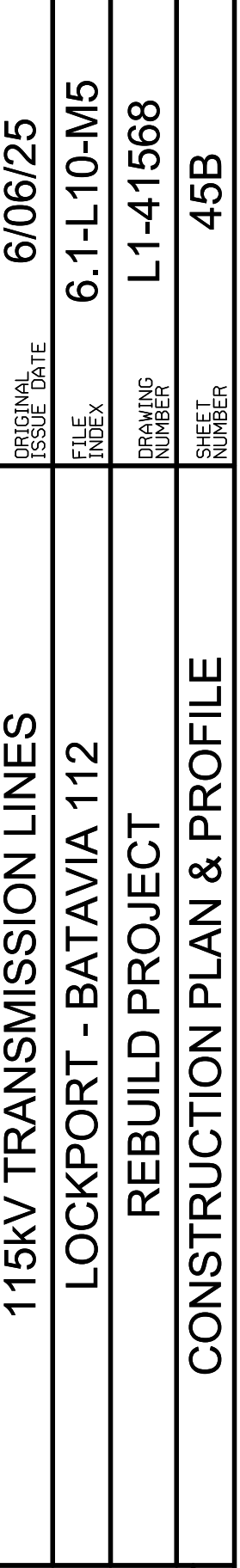
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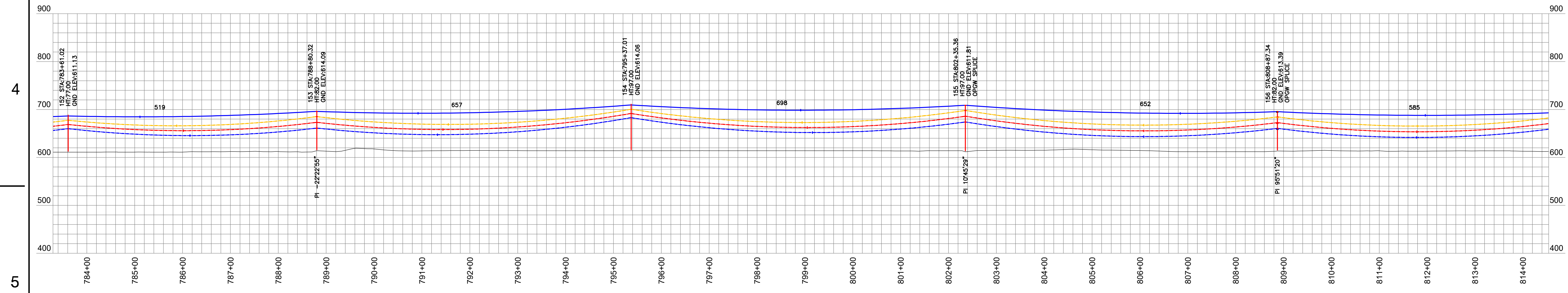
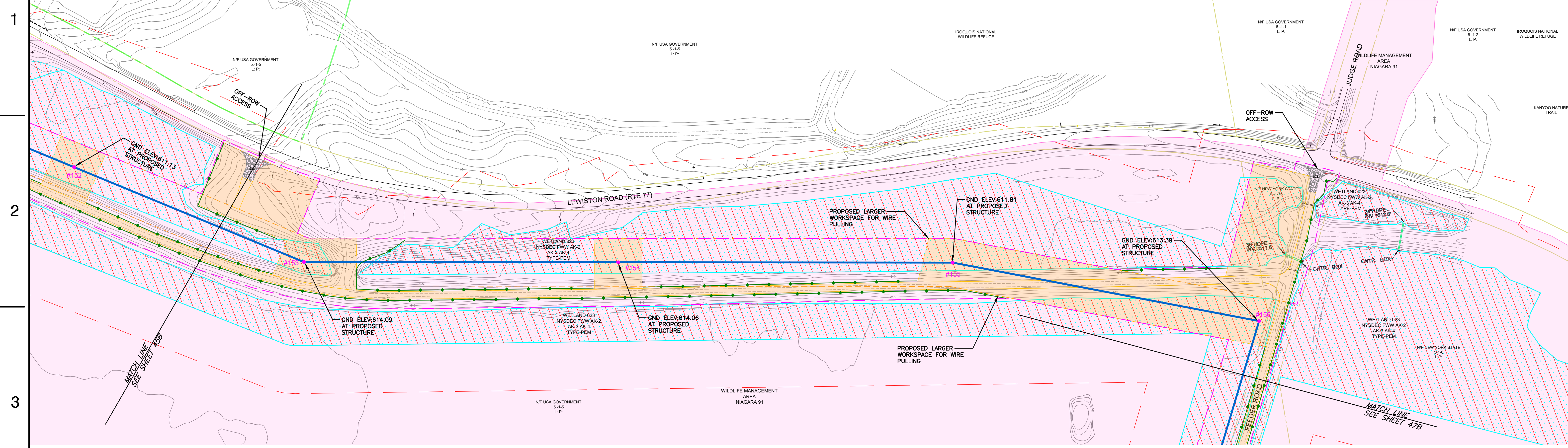
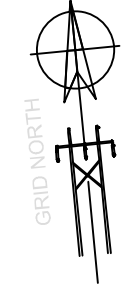
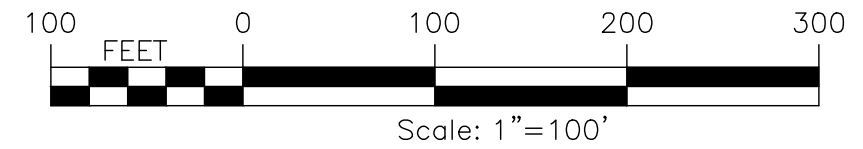
LOCKPORT - BATAVIA LINE 112			
OPGW 1/2"			
FROM	TO	RULING SPAN	NESC HEAVY TENSION (LBS)
143	153	622.48	5000

LOCKPORT - BATAVIA LINE 112			
795 KCMIL ACSR "DRAKE"			
FROM	TO	RULING SPAN	NESC HEAVY TENSION (LBS)
143	153	622.16	8000

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.

[illegible]

TOWN OF ALABAMA T.D. 5570 - GENESEE COUNTY
PLAN VIEW



LOCKPORT - BATAVIA LINE 112 (FROM 1-5 TO 211)											
EXISTING STR NUMBER	NEW STR NUMBER	TYPE	EXISTING STRUCTURE			TYPE	MATERIAL	POLE 1			NOTES
			POLE 1	POLE 2	POLE 3			HT, FT (TOTAL/ EMB)	CL	HT, FT (TOTAL/ EMB)	
152	152	SC STL TRI LEGGED TOWER SUSP	52			BPSU-DELTA	STEEL	75/0	N/A		INSTALL CONCRETE CAISSON (1)
153	153	SC STL TRI LEGGED TOWER SUSP	56			SPDE	STEEL	80/0	N/A		INSTALL CONCRETE CAISSON (1)
154	154	SC STL TRI LEGGED TOWER SUSP	57			BPSU-DELTA	STEEL	95/0	N/A		INSTALL CONCRETE CAISSON (1)
155	155	SC STL TRI LEGGED TOWER SUSP	57			SPDE	STEEL	95/0	N/A		INSTALL CONCRETE CAISSON (1)
156	156	SC STL TRI LEGGED TOWER SUSP	57			SPDE	STEEL	80/0	N/A		INSTALL CONCRETE CAISSON (1)

LOCKPORT - BATAVIA LINE 112			
OPGW 1/2"			
FROM	TO	RULING SPAN	NESC HEAVY TENSION (LBS)
143	153	622.48	5000
153	155	677.43	5000
155	156	649.90	5000

LOCKPORT - BATAVIA LINE 112			
795 KCMIL ACSR "DRAKE"			
FROM	TO	RULING SPAN	NESC HEAVY TENSION (LBS)
143	153	622.16	8000
153	155	677.04	8000
155	156	648.84	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-L10-M5

L1-41568

46B

nationalgrid

PREPARED BY

HP
APPROVED

FISHER
APPROVED

VL
APPROVED

RW
APPROVED

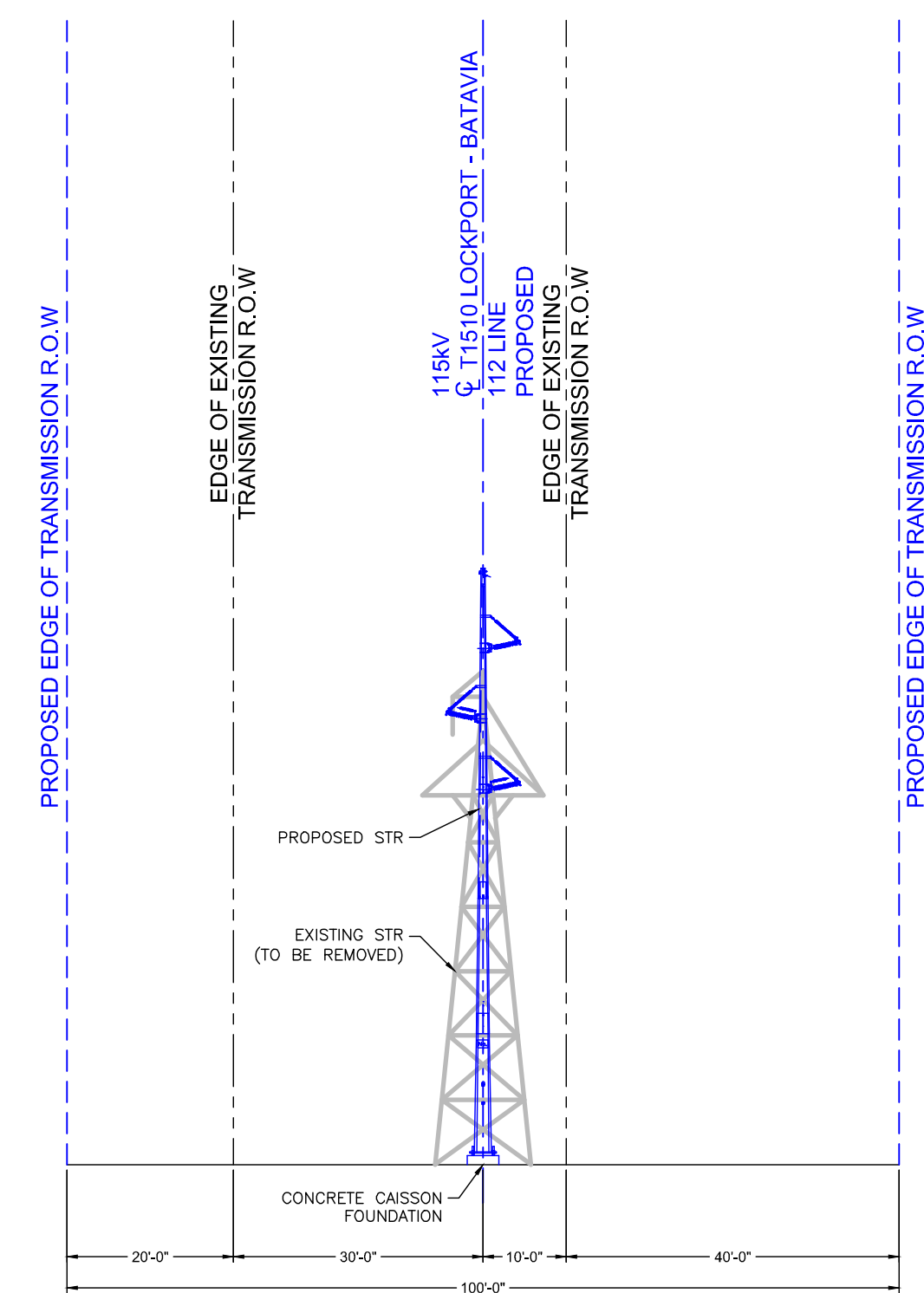
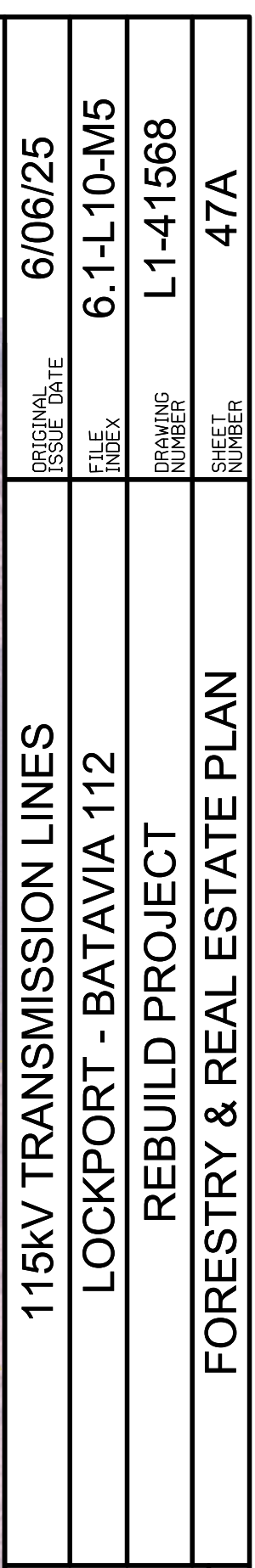
DATE

DESCRIPTION OF ISSUE OR REVISION

DR.

CK.

APP.



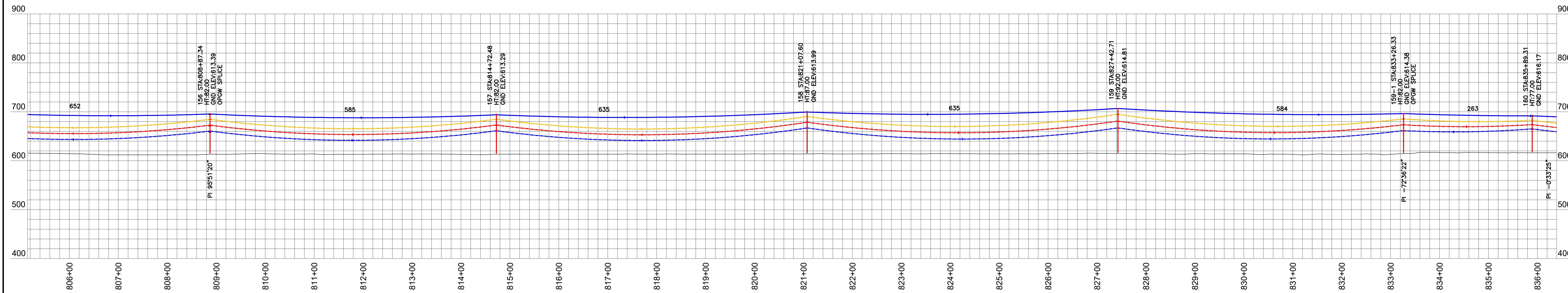
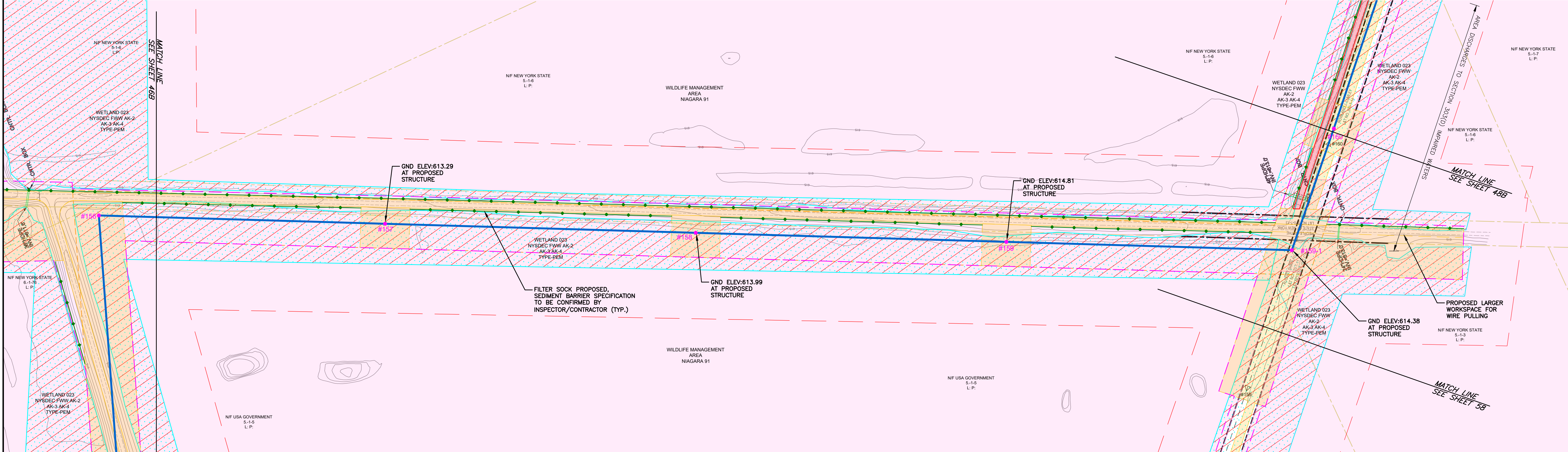
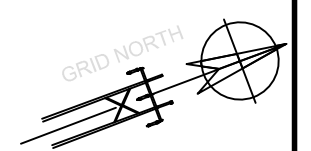
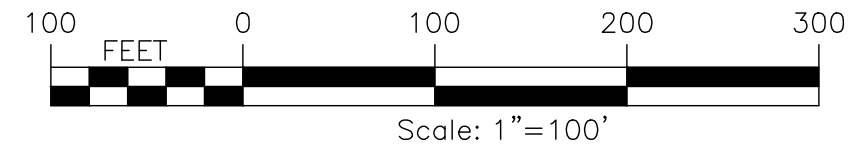
NIAGARA MOHAWK POWER CORP.
PROPOSED CROSS-SECTION CONFIGURATION
FACING LOCKPORT SUBSTATION
STRUCTURES 160 TO 169

- 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

nationalgrid

[illegible]

TOWN OF ALABAMA T.D. 5570 - GENESEE 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										
156	156	SC STL TRI LEGGED TOWER SUSP	57						SPDE	STEEL	80/0	N/A				INSTALL CONCRETE CAISSON (1)		
157	157	SC STL TRI LEGGED TOWER SUSP	56						BPSU-DELTA	STEEL	80/0	N/A				INSTALL CONCRETE CAISSON (1)		
158	158	SC STL TRI LEGGED TOWER SUSP	57						BPSU-DELTA	STEEL	85/0	N/A				INSTALL CONCRETE CAISSON (1)		
159	159	SC STL TRI LEGGED TOWER SUSP	57						SPDE	STEEL	90/0	N/A				INSTALL CONCRETE CAISSON (1)		
	159-1	NO EXISTING STRUCTURE							SPDE	STEEL	80/0	N/A				INSTALL CONCRETE CAISSON (1)		
160	160	SC STL TRI LEGGED TOWER SUSP	55						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)
156	159	619.06	5000
159	159-1	581.28	5000
159-1	170	542.64	5000

LOCKPORT - BATAVIA LINE 112			
795 KCMIL ACSR "DRAKE"			
FROM	TO	RULING SPAN	NESC HEAVY TENSION (LBS)
156	159	618.80	8000
159	159-1	580.56	8000
159-1	170	542.62	8000

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

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15KV TRANSMISSION LINES
LOCKPORT - BATAVIA 112
REBUILD PROJECT
CONSTRUCTION PLAN & PROFILE

6/06/25
6.1-L10-M5
L1-41568
47B

nationalgrid

PREPARED BY
HP
FISHER
VL
RW

APPROVED
BES.
R.R.
C.K.
APP.
DR.

ACCOUNT NUMBER

DATE

DESCRIPTION OF ISSUE OR REVISION