

**NextEra Energy Transmission New York, Inc.**

**(NEETNY)**

**Empire State Line**

**Case 18-T-0499**

**Appendix C**

**ESL Summary Documents**

**September 2020**



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## ACRONYM LIST

BMP	Best Management Practice
EM&CP	Environmental Management and Construction Plan
kV	kilovolt
NEETNY	NextEra Energy Transmission New York, Inc.
NRD Tie-Ins	Niagara-Rochester Dysinger 345 kV Tie-Ins
NYISO	New York Independent System Operator
NYPA	Power Authority of the State of New York
NYSDEC	New York State Department of Environmental Conservation
NYSEG	New York State Electric & Gas
ROW	right-of-way
SWPPP	Storm Water Pollution Prevention Plan
UCA	Unrestricted Construction Access

## **1. PROJECT DESCRIPTION AND CONSTRUCTION SEQUENCE**

### **1.1 Project Description**

- All steel tangent structures will be steel monopole in a vertical configuration and direct embedded.
- All angles, strain structures, and dead-end structures will be steel monopoles in a vertical configuration on a concrete caisson.
- All structures will be dulled galvanized steel poles with grey insulators.
- Conductor for the Empire State Line will utilize bundled (2 each) “Drake” 795 kcmil aluminum conductor steel reinforced conductors.
- All conductors utilized will be non-specular conductors.
- Conductors for all tie lines will utilize the existing conductors identified.
- Shields for all tie lines will be utility approved optical ground wire and overhead shieldwire.
- To the extent practicable, centerline-to-centerline spacing for the Empire State Line to the existing L65 New York State Electric & Gas (NYSEG) line will be 100 feet.
- Centerline to clearing limits will be 55 feet from nearest energized conductor.
- Access roads and travel routes will be in accordance to the Environmental Management and Construction Plan (EM&CP) Plan and Profile Drawings and will be cleared and constructed in accordance with the construction schedule.
- Project Schematics and Structure lists are attached hereto as Attachments A and B, respectively.

### **1.2 Construction Sequence**

A construction schedule will be finalized upon all agency and permit approvals prior to the start of construction. Multiple factors will impact the timing of construction. Such factors include, but are not limited to, the following:

- Environmental impacts for tree clearing and construction.
- Local impacts related to road use/closings due to construction.
- Coordination with local municipalities for maintenance and protection of traffic.
- Landowner impacts or restrictions.
- Access to existing right-of-way (ROW).
- New York Independent System Operator (NYISO)/NYSEG/Power Authority of the State of New York (NYPA) outage restrictions.
- Seasonal weather conditions.
- Construction best practices and safety.

NextEra Energy Transmission New York, Inc. (NEETNY) is targeting to have Unrestricted Construction Access (UCA) by January 2021. UCA is achieved upon the issuance of all necessary agency approvals and associated permits for construction of the Project. Upon achieving UCA, NEETNY will mobilize for construction. Three distinct construction projects will be conducted simultaneously: (1) Dysinger Switchyard in the town of Royalton; (2) East Stolle Road Switchyard in the town of Elma; and (3) the new 345 kilovolt (kV) transmission line. Construction will be completed in a continuous build with multiple contractors providing support across the Project.

Construction will begin with the new 345 kV transmission line running approximately 20 miles north and south from Niagara County to Erie County. The first sequence of construction will include implementation of the Storm Water Pollution Prevention Plan (SWPPP), building of new access roads or improvements to existing access roads, followed by vegetation clearing to accommodate the future line installation. Vegetation clearing will start within a 5-mile radius of the Akron Mine (between structure No. 25-84) and is anticipated to take place between the months of January 2021 and March 2021 to avoid impacts on the bat hibernacula identified within the area. Once this section of the Project line is cleared, the contractor will continue to clear the required route north to Dysinger switchyard (structure No. 1 -24) and south to East Stolle Road switchyard (structure No. 85-155). After vegetation clearing and site preparations are complete, foundations and structures will be installed sequentially from north to south followed by the stringing of conductor. For several foundations and structures located near Dysinger switchyard, NYSEG and NYPA transmission line outages will be required for installation. Line commissioning and energization will follow completion of the Dysinger and East Stolle Road Switchyards.

In parallel to the construction for the new transmission line, SWPPP, clearing, and grading activities will also commence for the Dysinger Switchyard in Niagara County and the East Stolle Road Switchyard in Erie County. Site preparations including fill and grade work will be followed by security fence and gate installation, ground grid installation, foundation and oil containment installation, steel erection, bus work, conduit and wiring, grounding attachments, major equipment installation, and final testing and commissioning. A phase angle regulator will be installed at the Dysinger Switchyard and a shunt reactor will be installed at East Stolle Road Switchyard soon after their respective foundations cure. The two new Project 345 kV switchyards will be constructed in parallel and targeted for completion by early 2022.

Upon completion of the new Dysinger and East Stolle Road Switchyards, existing NYSEG and NYPA lines will be cut into the switchyards. Outages will be coordinated with NYISO, NYSEG, and NYPA to complete these ties.

Project Construction Sequence for the new 345 kV Transmission Line:

- 1) Incorporate the SWPPP and Best Management Practices (BMPs)
- 2) Access Road and Entrance Plan Construction

- 3) Vegetation Clearing
- 4) Laydown Yard, Security Fence, Gate Installation and Grounding Construction
- 5) Project Gas Line Mitigation and Construction
- 6) Foundation and Structure Installation
- 7) Conductor Stringing and Installation
- 8) Outages to Tie-in to New Dysinger and East Stolle Road Switchyards
- 9) Testing and Commissioning of New 345 kV Transmission Line (with associated outages)
- 10) Site Restoration and SWPPP Compliance through Permit Close-out

Project Construction Sequence for Dysinger Switchyard:

- 1) Incorporate SWPPP and BMPs
- 2) Vegetation Clearing and Grading
- 3) Foundation and Oil Containment Installation
- 4) Phase Angle Reactor and Major Equipment Installation
- 5) Steel Erection
- 6) Substation Construction
- 7) NYSEG/NYPA Existing Transmission Line Tie-in Construction (with associated outages)
- 8) Testing and Commissioning of Substation and associated Transmission Line Tie-ins
- 9) Site Restoration and SWPPP Compliance through Permit Close-out

Project Construction Sequence for East Stolle Switchyard:

- 1) Incorporate SWPPP and BMPs
- 2) Vegetation Clearing and Grading
- 3) Foundation and Oil Containment Installation
- 4) Shunt Reactor Installation
- 5) Steel Erection
- 6) Substation Construction
- 7) NYSEG Existing Transmission Line Tie-in Construction (with associated outages)
- 8) Testing and Commissioning of Substation and associated Transmission Line Tie-ins
- 9) Site Restoration and SWPPP Compliance through Permit Close-out

## **2. SCOPE OF WORK**

### **2.1 Empire State 345 kV Line, Dysinger 345 kV switchyard, East Stolle 345 kV switchyard, and Kintigh-Dysinger Tie-Ins**

NEETNY will construct, own, operate and maintain the new 20-mile 345 kV Transmission Line, the Dysinger 345 kV Switchyard, the East Stolle Road 345 kV Switchyard, and the Kintigh-Dysinger 345 kV Tie-Ins, in accordance with this EM&CP.

The scope of work involved with these components include to:

- Implement the EM&CP with proper SWPPP materials installed to New York State Department of Environmental Conservation (NYSDEC) permit requirements.
- Install access roads and laydown yards including security fencing, gates, grounding, and additional SWPPP measures as outlined in EM&CP for these areas.
- Manage tree clearing and vegetation per guidelines outlined in the Construction Schedule to meet New York State Department of Public Service, NYSDEC, and New York State Department of Agriculture and Markets requirements.
- Install Project mitigation for protection of existing gas facilities.
- Design/Procure/Install Project foundations and structures for the new 345 kV transmission line from new Dysinger Switchyard to new East Stolle Switchyard.
- Design/Procure/Install Project 345 kV Underground Crossing Section at the New York State Thruway Authority.
- Design/Procure/Install new Dysinger Switchyard equipment and materials.
- Design/Procure/Install new East Stolle Switchyard equipment and materials.
- Design/Procure/Install structures and foundations for 345 kV tie-in of NYSEG L38 and 39 345 kV lines into the new Dysinger Switchyard.
- Removal of approximately 0.5 miles of the NYSEG#38 and #39 345 kV lines

### **2.2 Niagara-Rochester Dysinger Tie-Ins**

NEETNY will construct the Niagara-Rochester Dysinger 345 kV Tie-Ins (NRD Tie-Ins) in accordance with this EM&CP and any requirements agreed to in the NYPA Interconnection Agreement. NEETNY will transfer ownership of the NRD 345 kV Tie-Ins to the NYPA in accordance with the NYPA Interconnection Agreement after the completion of construction of the NRD Tie-Ins. NEETNY will be responsible for maintaining the ROW according to its Long Range ROW Management Plan prior to the transfer of ownership in the NRD Tie-Ins to the NYPA. After ownership of the NRD Tie-Ins is transferred to the NYPA, the ROW for the NRD Tie-Ins will be managed by the NYPA in accordance to NYPA's Long Range ROW Management Plan.

NEETNY will be responsible for any post-construction requirements set forth in this EM&CP. NYPA will not be responsible for any post-construction requirements identified in this EM&CP.

The scope of work for the Niagara-Rochester Dysinger 345 kV Tie-Ins include:

- Design/Procure/Install structures and foundations for 345 kV tie-in of NYPA Moses-Niagara to Rochester 345 kV lines.
- Removal of existing section of NYSEG and NYPA 345 kV lines to accommodate new tie-in for the Dysinger Switchyard, as required.

### **2.3 East Stolle 345 kV Tie-Lines**

NEETNY will construct the East Stolle 345 kV Tie-Ins (East Stolle Tie-Ins) in accordance with this EM&CP and any requirements set forth in its Interconnection Agreement with NYSEG. After construction is complete, NEETNY will transfer ownership of the East Stolle Tie-Ins to NYSEG in accordance with the NYSEG Interconnection Agreement. Prior to the transfer of ownership in the East Stolle Tie-Ins to NYSEG, NEETNY will be responsible for maintaining the ROW according to its Long Range ROW Management Plan. After transfer of ownership of the East Stolle Tie-Ins to NYSEG, the ROW for these assets will be managed by NYSEG in accordance to NYSEG's Long Range ROW Management Plan.

NEETNY will be responsible for any post-construction requirements set forth in this EM&CP. NYSEG will not be responsible for any post construction requirements in this EM&CP.

The scope of work for the Niagara-Rochester Dysinger 345 kV Tie-Ins include:

- Design/Procure/Install structures and foundations for re-route of NYSEG Five-mile to Stolle Road 345 kV line into the East Stolle Switchyard.
- Design/Procure/Install new 345 kV tie-line from the East Stolle Switchyard to the existing Stolle Road Substation.
- Removal of the first 345 kV structure just outside of Stolle Road 345 kV substation



**ATTACHMENT A: SCHEMATIC ONE LINE**

**[Attachment A is submitted under separate cover for confidential treatment, because these pages contain confidential information]**

## **ATTACHMENT B: STRUCTURE LIST**



STRUCTURE NUMBER	STRUCTURE TYPE	AGL	LINE ANGLE	AHEAD SPAN	BACK SPAN	COORDINATES			COMMENTS
			(+) Rt, (-) Lt			NAD83 3103 NEW YORK WEST			
				(FT)	(FT)	X	Y	Z	
DYSINGER TAKE-OFF	345 KV TAKE-OFF STRUCTURE	BY SUB CONTRACTOR	BY SUB CONTRACTOR	98.2	-	BY SUB CONTRACTOR	BY SUB CONTRACTOR	BY SUB CONTRACTOR	
1	DEADEND STRUCTURE (75°-105°)	131	89.5	231.7	98.2	1153858.1	1133177.0	597.3	SPLICE BOX
2	HEAVY TANGENT STRUCTURE (1°-3°)	155	0.0	420.5	231.7	1154089.6	1133187.4	596.9	
3	DEADEND STRUCTURE (75°-105°)	156	82.6	398.8	420.5	1154509.7	1133206.3	594.6	SPLICE BOX
3A	DEADEND STRUCTURE (15°-45°)	121	-16.4	664.8	398.8	1154578.9	1132813.5	597.7	
4	TANGENT STRUCTURE (0°-1°)	110	0.0	557.9	664.8	1154874.4	1132218.0	596.3	
5	TANGENT STRUCTURE (0°-1°)	110	0.0	540.9	557.9	1155122.4	1131718.3	598.0	
6	TANGENT STRUCTURE (0°-1°)	115	0.0	542.1	540.9	1155362.8	1131233.8	598.4	
7	CROSSING STRUCTURE (22°-24°)	126	23.2	378.3	542.1	1155603.8	1130748.1	599.0	SPLICE BOX
8	CROSSING STRUCTURE (22°-24°)	126	-22.8	519.5	378.3	1155625.2	1130370.4	598.6	SPLICE BOX
9	TANGENT STRUCTURE (0°-1°)	120	-0.3	381.1	519.5	1155853.6	1129903.8	598.8	
10	TANGENT STRUCTURE (0°-1°)	120	0.2	583.0	381.1	1156023.1	1129562.5	599.5	
11	HEAVY TANGENT STRUCTURE (1°-3°)	110	-1.3	627.8	583.0	1156280.4	1129039.4	598.5	
12	TANGENT STRUCTURE (0°-1°)	115	0.0	590.7	627.8	1156569.9	1128482.4	598.3	
13	RUNNING ANGLE STRUCTURE (15°-40°)	121	21.2	710.3	590.7	1156842.4	1127958.3	598.9	
14	TANGENT STRUCTURE (0°-1°)	125	0.0	623.3	710.3	1156919.9	1127252.3	593.0	
15	HEAVY TANGENT STRUCTURE (1°-3°)	125	-1.1	763.2	623.3	1156987.9	1126632.7	597.7	
16	TANGENT STRUCTURE (0°-1°)	120	0.0	784.3	763.2	1157085.1	1125875.8	597.6	
17	TANGENT STRUCTURE (0°-1°)	120	0.0	677.8	784.3	1157184.9	1125097.8	602.2	
18	TANGENT STRUCTURE (0°-1°)	115	0.0	702.4	677.8	1157271.0	1124425.5	596.4	
19	TANGENT STRUCTURE (0°-1°)	115	0.0	724.2	702.4	1157360.4	1123728.8	595.9	
20	TANGENT STRUCTURE (0°-1°)	115	0.0	699.1	724.2	1157452.4	1123010.6	595.8	
21	TANGENT STRUCTURE (0°-1°)	115	0.0	727.7	699.1	1157541.3	1122317.2	596.4	
22	TANGENT STRUCTURE (0°-1°)	120	0.0	714.7	727.7	1157633.9	1121595.4	603.2	
23	STRAIN STRUCTURE (0°-1°)	116	0.0	716.2	714.7	1157724.8	1120886.5	601.1	
24	TANGENT STRUCTURE (0°-1°)	120	0.0	779.6	716.2	1157815.8	1120176.0	602.7	
25	TANGENT STRUCTURE (0°-1°)	120	0.0	755.2	779.6	1157915.0	1119402.7	608.9	
26	TANGENT STRUCTURE (0°-1°)	115	0.0	700.2	755.2	1158011.0	1118653.7	602.8	
27	TANGENT STRUCTURE (0°-1°)	120	0.0	767.9	700.2	1158100.0	1117959.2	604.8	
28	TANGENT STRUCTURE (0°-1°)	120	0.0	697.7	767.9	1158197.7	1117197.5	600.6	
29	TANGENT STRUCTURE (0°-1°)	120	0.0	799.8	697.7	1158286.4	1116505.5	602.7	
30	HEAVY TANGENT STRUCTURE (1°-3°)	120	-1.5	589.0	799.8	1158388.1	1115712.2	605.4	
31	TANGENT STRUCTURE (0°-1°)	110	0.0	675.8	589.0	1158478.0	1115130.1	607.3	
32	DEADEND STRUCTURE (0°-15°)	121	11.2	725.2	675.8	1158581.2	1114462.2	608.0	SPLICE BOX
33	TANGENT STRUCTURE (0°-1°)	120	0.0	707.2	725.2	1158551.0	1113737.7	608.5	
34	HEAVY TANGENT STRUCTURE (1°-3°)	115	-1.7	710.4	707.2	1158521.6	1113031.1	610.3	
35	TANGENT STRUCTURE (0°-1°)	125	0.4	730.3	710.4	1158513.0	1112320.8	609.2	
36	TANGENT STRUCTURE (0°-1°)	115	0.4	722.8	730.3	1158498.6	1111590.6	612.2	
37	TANGENT STRUCTURE (0°-1°)	115	-0.4	726.8	722.8	1158479.7	1110868.0	616.4	
38	TANGENT STRUCTURE (0°-1°)	115	0.0	599.8	726.8	1158465.7	1110141.3	620.6	
39	TANGENT STRUCTURE (0°-1°)	110	0.0	615.9	599.8	1158454.1	1109541.6	631.2	
40	TANGENT STRUCTURE (0°-1°)	120	0.0	642.2	615.9	1158442.2	1108925.8	630.0	
41	TANGENT STRUCTURE (0°-1°)	125	0.0	721.7	642.2	1158429.8	1108283.6	632.2	
42	TANGENT STRUCTURE (0°-1°)	115	0.0	664.8	721.7	1158415.8	1107562.0	631.0	
43	TANGENT STRUCTURE (0°-1°)	115	0.0	746.1	664.8	1158403.0	1106897.3	635.3	
44	TANGENT STRUCTURE (0°-1°)	115	0.0	668.2	746.1	1158388.5	1106151.4	640.2	
45	STRAIN STRUCTURE (0°-1°)	116	0.0	614.3	668.2	1158375.6	1105483.3	646.3	
46	TANGENT STRUCTURE (0°-1°)	115	-0.1	541.8	614.3	1158363.7	1104869.1	650.7	
47	TANGENT STRUCTURE (0°-1°)	115	0.0	754.2	541.8	1158354.1	1104327.4	648.7	
48	TANGENT STRUCTURE (0°-1°)	120	0.0	713.9	754.2	1158340.6	1103573.4	645.9	
49	TANGENT STRUCTURE (0°-1°)	115	0.0	716.3	713.9	1158327.9	1102859.6	648.2	
50	TANGENT STRUCTURE (0°-1°)	120	0.0	759.4	716.3	1158315.2	1102143.4	645.6	
51	TANGENT STRUCTURE (0°-1°)	115	0.0	626.7	759.4	1158301.6	1101384.1	646.1	



STRUCTURE NUMBER	STRUCTURE TYPE	AGL	LINE ANGLE	AHEAD SPAN	BACK SPAN	COORDINATES			COMMENTS	
			(+) Rt, (-) Lt			(FT)	(FT)	NAD83 3103 NEW YORK WEST		
							X	Y	Z	
52	TANGENT STRUCTURE (0°-1°)	110	0.0	641.1	626.7		1158290.5	1100757.5	646.5	
53	TANGENT STRUCTURE (0°-1°)	110	0.0	627.4	641.1		1158279.1	1100116.5	645.7	
54	TANGENT STRUCTURE (0°-1°)	110	0.0	706.6	627.4		1158267.9	1099489.2	647.0	
55	TANGENT STRUCTURE (0°-1°)	120	0.0	733.1	706.6		1158255.3	1098782.7	648.4	
56	TANGENT STRUCTURE (0°-1°)	120	0.0	616.0	733.1		1158242.2	1098049.7	649.3	
57	DEADEND STRUCTURE (15°-45°)	116	-24.1	583.1	616.0		1158231.3	1097433.8	651.3	SPLICE BOX
58	TANGENT STRUCTURE (0°-1°)	110	0.0	607.8	583.1		1158459.7	1096897.3	656.4	
59	TANGENT STRUCTURE (0°-1°)	110	0.0	621.8	607.8		1158697.8	1096338.0	657.6	
60	TANGENT STRUCTURE (0°-1°)	110	0.0	629.3	621.8		1158941.4	1095765.9	672.9	
61	HEAVY TANGENT STRUCTURE (1°-3°)	110	-2.0	602.6	629.3		1159188.0	1095186.9	677.2	
62	TANGENT STRUCTURE (0°-1°)	110	0.0	636.6	602.6		1159443.1	1094641.0	678.5	
63	RUNNING ANGLE STRUCTURE (15°-40°)	121	27.9	588.6	636.6		1159712.7	1094064.3	697.7	
64	TANGENT STRUCTURE (0°-1°)	110	0.0	624.0	588.6		1159683.3	1093476.4	704.9	
65	HEAVY TANGENT STRUCTURE (1°-3°)	115	-1.9	648.8	624.0		1159652.2	1092853.2	710.2	
66	TANGENT STRUCTURE (0°-1°)	125	0.0	786.5	648.8		1159641.8	1092204.5	726.0	
67	TANGENT STRUCTURE (0°-1°)	125	0.0	552.0	786.5		1159629.2	1091418.1	768.4	
68	TANGENT STRUCTURE (0°-1°)	130	0.0	816.4	552.0		1159620.3	1090866.1	756.7	
69	TANGENT STRUCTURE (0°-1°)	110	0.0	670.3	816.4		1159607.2	1090049.8	780.0	
70	TANGENT STRUCTURE (0°-1°)	120	0.0	802.8	670.3		1159596.4	1089379.6	782.2	
71	STRAIN STRUCTURE (0°-1°)	116	0.0	646.6	802.8		1159583.6	1088576.9	791.6	
72	TANGENT STRUCTURE (0°-1°)	120	0.0	794.1	646.6		1159573.2	1087930.3	793.2	
73	TANGENT STRUCTURE (0°-1°)	120	0.0	731.8	794.1		1159560.5	1087136.4	789.7	
74	TANGENT STRUCTURE (0°-1°)	115	0.0	621.9	731.8		1159548.7	1086404.7	789.0	
75	TANGENT STRUCTURE (0°-1°)	110	0.0	646.7	621.9		1159538.7	1085782.8	784.0	
76	TANGENT STRUCTURE (0°-1°)	110	0.0	650.1	646.7		1159528.4	1085136.3	777.1	
77	TANGENT STRUCTURE (0°-1°)	115	0.0	690.1	650.1		1159517.9	1084486.3	768.4	
78	TANGENT STRUCTURE (0°-1°)	120	0.0	647.4	690.1		1159506.9	1083796.3	768.3	
79	TANGENT STRUCTURE (0°-1°)	115	0.0	733.0	647.4		1159496.5	1083149.1	786.6	
81	DEADEND STRUCTURE (0°-15°)	121	0.0	336.7	733.0		1159484.7	1082416.2	783.1	
82	TRANSITION STRUCTURE	91	-0.1	0.0	336.7		1159479.1	1082079.6	782.8	SPLICE BOX
83	TRANSITION STRUCTURE	91	-0.6	90.6	0.0		1159443.9	1079811.9	787.5	
84	DEADEND STRUCTURE (0°-15°)	121	-0.9	893.3	90.6		1159443.4	1079721.3	787.0	
85	DEADEND STRUCTURE (45°-75°)	136	68.4	855.6	893.3		1159453.3	1078828.0	782.3	SPLICE BOX
86	HEAVY TANGENT STRUCTURE (1°-3°)	125	-1.5	912.0	855.6		1158661.3	1078504.3	782.5	
87	TANGENT STRUCTURE (0°-1°)	130	0.0	888.3	912.0		1157826.6	1078136.7	784.2	
88	TANGENT STRUCTURE (0°-1°)	125	0.0	775.6	888.3		1157013.6	1077778.7	779.3	
89	TANGENT STRUCTURE (0°-1°)	125	0.0	699.7	775.6		1156303.8	1077466.1	779.8	
90	TANGENT STRUCTURE (0°-1°)	120	0.0	717.4	699.7		1155663.5	1077184.2	776.2	
91	DEADEND STRUCTURE (15°-45°)	121	-32.5	757.3	717.4		1155007.0	1076895.1	777.4	
92	TANGENT STRUCTURE (0°-1°)	125	0.0	730.4	757.3		1154586.7	1076265.1	781.0	
93	TANGENT STRUCTURE (0°-1°)	120	0.0	759.8	730.4		1154181.3	1075657.6	780.4	
94	TANGENT STRUCTURE (0°-1°)	115	0.0	763.0	759.8		1153759.6	1075025.6	778.6	
95	TANGENT STRUCTURE (0°-1°)	115	0.0	782.2	763.0		1153336.1	1074390.9	777.7	
96	TANGENT STRUCTURE (0°-1°)	130	0.0	786.1	782.2		1152901.9	1073740.2	774.4	
97	HEAVY TANGENT STRUCTURE (1°-3°)	130	0.0	963.9	786.1		1152465.6	1073086.3	782.4	
98	DEADEND STRUCTURE (15°-45°)	131	-34.0	799.0	963.9		1151930.6	1072284.4	750.1	
99	TANGENT STRUCTURE (0°-1°)	120	0.0	746.6	799.0		1151934.1	1071485.4	771.6	
100	TANGENT STRUCTURE (0°-1°)	115	0.0	723.8	746.6		1151937.4	1070738.8	767.8	
101	TANGENT STRUCTURE (0°-1°)	125	0.0	869.5	723.8		1151940.5	1070015.0	764.3	
102	TANGENT STRUCTURE (0°-1°)	130	0.0	790.1	869.5		1151944.4	1069145.5	764.8	
103	TANGENT STRUCTURE (0°-1°)	130	0.0	740.2	790.1		1151947.8	1068355.4	767.2	
104	TANGENT STRUCTURE (0°-1°)	115	0.0	626.6	740.2		1151951.1	1067615.3	773.5	
105	TANGENT STRUCTURE (0°-1°)	120	0.0	616.7	626.6		1151953.8	1066988.7	774.7	



STRUCTURE NUMBER	STRUCTURE TYPE	AGL	LINE ANGLE	AHEAD SPAN	BACK SPAN	COORDINATES			COMMENTS
			(+) Rt, (-) Lt			NAD83 3103 NEW YORK WEST			
				(FT)	(FT)	X	Y	Z	
106	TANGENT STRUCTURE (0°-1°)	115	0.0	774.7	616.7	1151956.5	1066372.0	776.3	
107	HEAVY TANGENT STRUCTURE (1°-3°)	120	-1.8	724.4	774.7	1151959.9	1065597.3	779.4	
108	DEADEND STRUCTURE (75°-105°)	116	75.1	707.4	724.4	1151985.9	1064873.4	781.7	
109	HEAVY TANGENT STRUCTURE (1°-3°)	120	-1.9	649.3	707.4	1151309.1	1064667.3	779.6	SPLICE BOX
110	TANGENT STRUCTURE (0°-1°)	110	0.0	634.7	649.3	1150694.5	1064458.0	776.0	
111	TANGENT STRUCTURE (0°-1°)	120	0.0	603.7	634.7	1150093.7	1064253.4	771.1	
112	TANGENT STRUCTURE (0°-1°)	125	0.0	637.5	603.7	1149522.3	1064058.8	765.9	
113	TANGENT STRUCTURE (0°-1°)	115	0.0	628.2	637.5	1148918.8	1063853.3	762.4	
114	DEADEND STRUCTURE (45°-75°)	126	-65.1	969.7	628.2	1148324.1	1063650.8	759.9	
115	TANGENT STRUCTURE (0°-1°)	130	0.0	850.7	969.7	1148222.0	1062686.5	756.0	SPLICE BOX
116	TANGENT STRUCTURE (0°-1°)	125	0.0	740.6	850.7	1148132.4	1061840.5	756.3	
117	TANGENT STRUCTURE (0°-1°)	120	0.0	780.6	740.6	1148054.4	1061104.1	752.3	
118	TANGENT STRUCTURE (0°-1°)	130	0.0	806.4	780.6	1147972.2	1060327.8	752.3	
119	TANGENT STRUCTURE (0°-1°)	115	0.0	693.3	806.4	1147887.3	1059525.9	757.8	
120	TANGENT STRUCTURE (0°-1°)	110	0.0	619.9	693.3	1147814.2	1058836.5	754.6	
121	TANGENT STRUCTURE (0°-1°)	110	0.0	705.5	619.9	1147749.0	1058220.1	744.1	
122	TANGENT STRUCTURE (0°-1°)	115	0.0	593.6	705.5	1147674.7	1057518.5	737.9	
123	TANGENT STRUCTURE (0°-1°)	120	0.0	920.7	593.6	1147612.1	1056928.2	738.9	
124	TANGENT STRUCTURE (0°-1°)	125	0.0	910.7	920.7	1147515.2	1056012.6	744.7	
125	STRAIN STRUCTURE (0°-1°)	131	0.0	915.7	910.7	1147419.2	1055107.0	746.3	
126	TANGENT STRUCTURE (0°-1°)	125	0.0	880.7	915.7	1147322.8	1054196.4	735.5	
127	TANGENT STRUCTURE (0°-1°)	130	0.0	920.7	880.7	1147230.0	1053320.6	734.6	
128	TANGENT STRUCTURE (0°-1°)	125	0.0	840.6	920.7	1147133.1	1052405.0	735.8	
129	TANGENT STRUCTURE (0°-1°)	125	0.0	950.7	840.6	1147044.5	1051569.0	745.1	
130	HEAVY TANGENT STRUCTURE (1°-3°)	130	0.0	782.0	950.7	1146944.4	1050623.6	748.3	
131	LIGHT ANGLE STRUCTURE (3°-15°)	116	-8.7	555.8	782.0	1146862.0	1049845.9	763.3	
132	HEAVY TANGENT STRUCTURE (1°-3°)	150	0.0	754.5	555.8	1146887.6	1049290.7	731.8	
133	TANGENT STRUCTURE (0°-1°)	120	0.0	799.8	754.5	1146922.2	1048537.0	765.9	
134	TANGENT STRUCTURE (0°-1°)	120	0.0	709.9	799.8	1146958.9	1047738.1	768.9	
135	TANGENT STRUCTURE (0°-1°)	120	-0.3	632.4	709.9	1146991.5	1047029.0	770.7	
136	TANGENT STRUCTURE (0°-1°)	120	0.0	650.2	632.4	1147024.2	1046397.4	771.8	
137	DEADEND STRUCTURE (15°-45°)	131	-28.6	665.5	650.2	1147057.7	1045748.1	772.0	
138	TANGENT STRUCTURE (0°-1°)	115	0.0	615.3	665.5	1147406.4	1045181.2	774.5	SPLICE BOX
139	TANGENT STRUCTURE (0°-1°)	110	0.0	721.7	615.3	1147728.8	1044657.2	775.8	
140	HEAVY TANGENT STRUCTURE (1°-3°)	110	-2.0	606.0	721.7	1148106.9	1044042.5	793.3	
141	TANGENT STRUCTURE (0°-1°)	120	0.0	665.8	606.0	1148442.4	1043537.8	796.4	
142	DEADEND STRUCTURE (15°-45°)	116	33.4	704.2	665.8	1148811.0	1042983.4	801.3	
143	TANGENT STRUCTURE (0°-1°)	115	0.0	652.8	704.2	1148814.3	1042279.3	802.9	
144	HEAVY TANGENT STRUCTURE (1°-3°)	110	-1.8	616.1	652.8	1148817.3	1041626.5	810.6	
145	TANGENT STRUCTURE (0°-1°)	115	0.0	812.8	616.1	1148839.7	1041010.8	826.2	
146	TANGENT STRUCTURE (0°-1°)	125	0.0	867.9	812.8	1148869.4	1040198.6	826.9	
147	TANGENT STRUCTURE (0°-1°)	125	0.0	790.3	867.9	1148901.0	1039331.2	833.3	
148	TANGENT STRUCTURE (0°-1°)	120	0.0	706.5	790.3	1148929.8	1038541.4	833.9	
149	TANGENT STRUCTURE (0°-1°)	110	0.0	527.3	706.5	1148955.6	1037835.4	846.8	
150	TANGENT STRUCTURE (0°-1°)	105	0.0	630.0	527.3	1148974.8	1037308.4	834.3	
151	HEAVY TANGENT STRUCTURE (1°-3°)	140	-1.7	764.6	630.0	1148997.8	1036678.9	787.7	
152	TANGENT STRUCTURE (0°-1°)	150	0.0	729.4	764.6	1149047.8	1035916.0	776.8	
153	TANGENT STRUCTURE (0°-1°)	115	0.0	512.4	729.4	1149095.6	1035188.1	838.9	
154	TANGENT STRUCTURE (0°-1°)	130	0.0	538.8	512.4	1149129.2	1034676.9	842.4	
155	DEADEND STRUCTURE (0°-15°)	131	2.3	324.4	538.8	1149164.5	1034139.2	842.6	
EAST STOLLE TAKE-OFF	345 KV TAKE-OFF STRUCTURE	BY SUB CONTRACTOR	BY SUB CONTRACTOR	--	324.4	BY SUB CONTRACTOR	BY SUB CONTRACTOR	BY SUB CONTRACTOR	SPLICE BOX

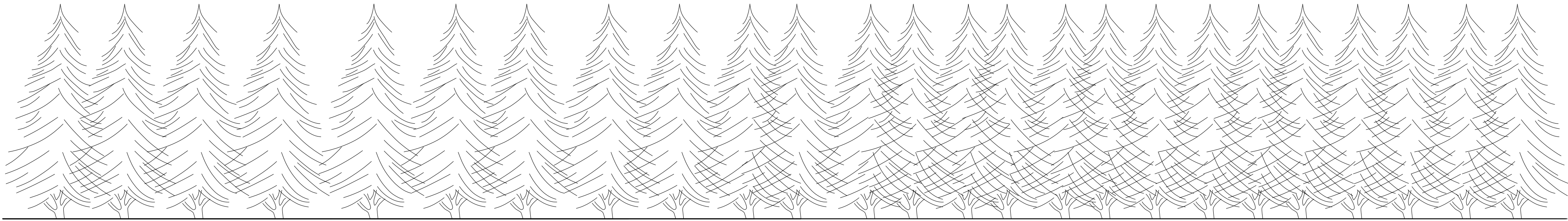


STRUCTURE NUMBER	STRUCTURE TYPE	AGL	LINE ANGLE	AHEAD SPAN	BACK SPAN	COORDINATES			COMMENTS		
			(+) Rt, (-) Lt	(FT)	(FT)	NAD83 3103 NEW YORK WEST					
									X	Y	Z
NYSEG TAP LINES											
EAST STOLLE TO STOLLE TAP											
ES-S1 TAKE-OFF	345 KV TAKE-OFF STRUCTURE	BY SUB CONTRACTOR	BY SUB CONTRACTOR	#N/A	#REF!	BY SUB CONTRACTOR	BY SUB CONTRACTOR	BY SUB CONTRACTOR			
ES-S-1	DEADEND STRUCTURE (75°-105°)	126	-88.6	264.7	#N/A	1149176.5	1033162.5	842.1			
ES-S-2	DEADEND STRUCTURE (75°-105°)	131	83.9	591.6	264.7	1149441.1	1033160.7	837.7			
ES-S1-3	345 KV EAST STOLLE TAP STRUCTURE	126	87.2	243.4	591.6	1149500.4	1032572.0	840.5			
STOLLE RD TAKE-OFF	345 KV TAKE-OFF STRUCTURE	BY SUB CONTRACTOR	BY SUB CONTRACTOR	0.0	262.5	BY SUB CONTRACTOR	BY SUB CONTRACTOR	BY SUB CONTRACTOR			
ES-S1-3_2	DEADEND STRUCTURE (0°-15°)	141	0.2	864.3	0.0	1149539.3	1032540.6	837.6			
ES-H-2	DEADEND STRUCTURE (75°-105°)	131	-86.9	264.4	864.3	1149508.8	1033213.4	840.6			
ES-H-1	DEADEND STRUCTURE (75°-105°)	126	89.2	133.4	264.4	1149244.4	1033215.8	840.7			
ES-S2 TAKE-OFF	345 KV TAKE-OFF STRUCTURE	BY SUB CONTRACTOR	BY SUB CONTRACTOR	0.0	133.4	BY SUB CONTRACTOR	BY SUB CONTRACTOR	BY SUB CONTRACTOR			
DYSINGER TAKE-OFF TO DYSINGER S2 TAP											
DYSINGER TAKE OFF	345 KV TAKE-OFF STRUCTURE	BY SUB CONTRACTOR	BY SUB CONTRACTOR	227.0	-	BY SUB CONTRACTOR	BY SUB CONTRACTOR	BY SUB CONTRACTOR			
D-S2-1	345 KV 3-POLE DEADEND STRUCTURE (75°-105°)	126	91.2	521.8	227.0	1153804.3	1133291.5	595.9			
D-S2-2	345 KV 3-POLE DEADEND STRUCTURE (75°-105°)	121	-85.7	215.0	521.8	1154310.7	1133417.1	597.0			
DYSINGER S1 TAKE-OFF TO DYSINGER S1 TAP											
D-S1 TAKE-OFF	345 KV TAKE-OFF STRUCTURE	BY SUB CONTRACTOR	BY SUB CONTRACTOR	331.9	215.0	BY SUB CONTRACTOR	BY SUB CONTRACTOR	BY SUB CONTRACTOR			
D-S1-1	DEADEND STRUCTURE (75°-105°)	121	75.8	592.8	331.9	1153542.1	1133335.3	593.4			
D-S1-2	345 KV 3-POLE DEADEND STRUCTURE (75°-105°)	71	-86.7	134.0	592.8	1154119.6	1133469.3	598.1			
NYPA TAP LINES											
MN1&2-DC TAKE-OFF	345 KV TAKE-OFF STRUCTURE	BY SUB CONTRACTOR	BY SUB CONTRACTOR	142.9	0.0	BY SUB CONTRACTOR	BY SUB CONTRACTOR	BY SUB CONTRACTOR			
MN1&2-D4	345 KV DOUBLE CIRCUIT DEADEND NYPA	125-145	3.9	419.5	142.9	1153544.8	1132380.6	595.8			
MN1&2-D-3	345 KV DOUBLE CIRCUIT TANGENT STRUCTURE (0°-1°) NYPA	140-155	-2.2	616.6	419.5	1153503.4	1131963.1	596.1			
MN1&2-D-2	345 KV DOUBLE CIRCUIT TANGENT STRUCTURE (0°-1°) NYPA	140-155	-2.2	512.2/360	616.6	1153465.9	1131347.7	596.3			
MN2-D-1	345 KV DEADEND TAP STRUCTURE (75°-105°) NYPA	130-145	91.9	597.5	360.0	1153424.1	1130990.1	596.5	SPLICE BOX		
MN1-D-1	345 KV DEADEND TAP STRUCTURE (75°-105°) NYPA	130-145	97.1	651.1	512.2	1153454.8	1130835.6	597.0			
R1-TAKE-OFF	345 KV TAKE-OFF STRUCTURE	BY SUB CONTRACTOR	BY SUB CONTRACTOR	179.7	0.0	BY SUB CONTRACTOR	BY SUB CONTRACTOR	BY SUB CONTRACTOR			
R2-TAKE-OFF	345 KV TAKE-OFF STRUCTURE	BY SUB CONTRACTOR	BY SUB CONTRACTOR	151.5	0.0	BY SUB CONTRACTOR	BY SUB CONTRACTOR	BY SUB CONTRACTOR			
R1&2-D-4	345 KV DOUBLE CIRCUIT DEADEND NYPA	125-145	9.8	424.9	179.7/151.5	1153714.1	1132375.8	595.8			
R1&2-D-3	345 KV DOUBLE CIRCUIT TANGENT STRUCTURE (0°-1°) NYPA	140-155	-2.6	617.3	424.9	1153672.4	1131953.0	595.7			
R1&2-D-2	345 KV DOUBLE CIRCUIT TANGENT STRUCTURE (0°-1°) NYPA	140-155	2.2	527.1/380.6	617.3	1153640.2	1131336.5	596.3			
R1-D-1	345 KV DEADEND TAP STRUCTURE (75°-105°) NYPA	130-145	-81.3	662.4	380.6	1153640.4	1130956.0	596.4			
R2-D-1	345 KV DEADEND TAP STRUCTURE (75°-105°) NYPA	130-145	-86.5	748.9	527.1	1153592.8	1130811.6	597.0	SPLICE BOX		

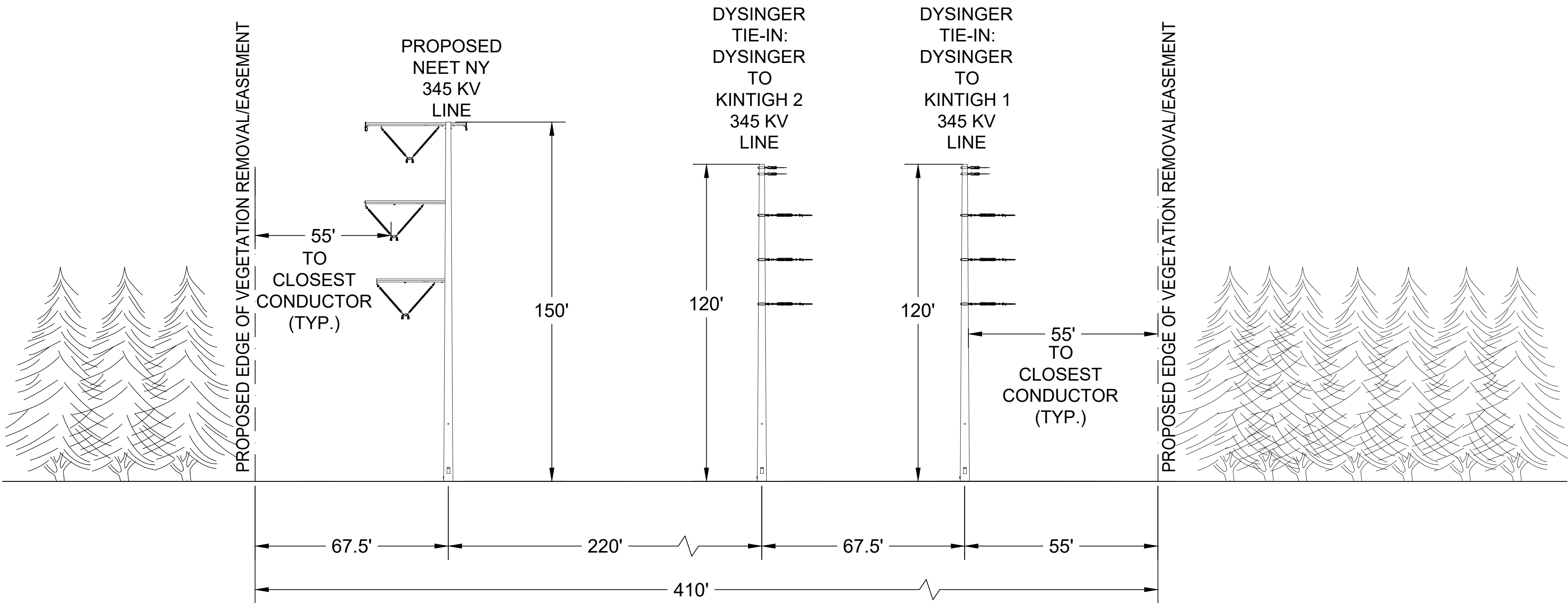
## **ATTACHMENT C: CROSS SECTION DRAWINGS**



CROSS SECTION - 1  
PROPOSED DYSINGER  
TAKE-OFF (STA 0+00)  
TO  
STR. 3 (STA 7+06)  
0.134 MILES  
(LOOKING WEST)



EXISTING CROSS SECTION  
LOOKING TOWARDS PROPOSED DYSINGER SWITCHYARD



PROPOSED CROSS SECTION  
LOOKING TOWARDS PROPOSED DYSINGER SWITCHYARD

DYSINGER  
SWITCHYARD

EAST STOLLE  
ROAD SWITCHYARD

PROJECT LINE OVERVIEW  
NOT TO SCALE

PRELIMINARY  
NOT FOR CONSTRUCTION

NOTES:

- HEIGHTS SHOWN OF NEW STRUCTURES ARE TYPICAL, HEIGHTS MAY VARY ALONG RIGHT-OF-WAY.
- ALL DIMENSIONS ARE PRELIMINARY AND SUBJECT TO CHANGE DURING DETAIL DESIGN.
- CROSS SECTIONS ARE TYPICAL OF PROPOSED SEGMENT, VARIATIONS ALONG SEGMENT MAY OCCUR.

H	08/25/2020	PRELIMINARY - ISSUED FOR REVIEW	DIV	JDJ	KVP	S&L	SCALE:  NONE -- -- --
G	03/26/2020	PRELIMINARY - ISSUED FOR REVIEW	DIV	JDJ	KVP	S&L	
F	03/13/2020	PRELIMINARY - ISSUED FOR REVIEW	DIV	JDJ	KVP	S&L	
E	03/10/2020	PRELIMINARY - ISSUED FOR REVIEW	DIV	JDJ	KVP	S&L	
D	07/16/2018	PRELIMINARY - ARTICLE VII	SG	JDJ	KVP	S&L	
C	06/20/2018	PRELIMINARY - ARTICLE VII	SG	JDJ	KVP	S&L	PREP: NJT CHKD: JDJ
B	05/09/2018	PRELIMINARY - ARTICLE VII	SG	JDJ	KVP	S&L	
A	03/27/2018	PRELIMINARY - ARTICLE VII	NJT	JDJ	KVP	S&L	
NO	DATE	REVISIONS AND RECORD OF ISSUE	DRWN	REV'D	APPR	COMP	APPD: KVP DATE: 03/27/2018

CONTRACTOR/INSTALLER SHALL TAKE ALL APPROPRIATE PRECAUTIONS TO ENSURE THE SAFETY OF ALL PEOPLE LOCATED ON THE WORK SITE, INCLUDING CONTRACTOR'S /INSTALLER'S PERSONNEL (OR THAT OF IT'S SUB-CONTRACTOR(S)) PERFORMING THE WORK.

ANY MODIFICATION OR ADDITION TO THIS DRAWING BY ANY ORGANIZATION OTHER THAN SARGENT & LUNDY IS NOT THE RESPONSIBILITY OF SARGENT & LUNDY.

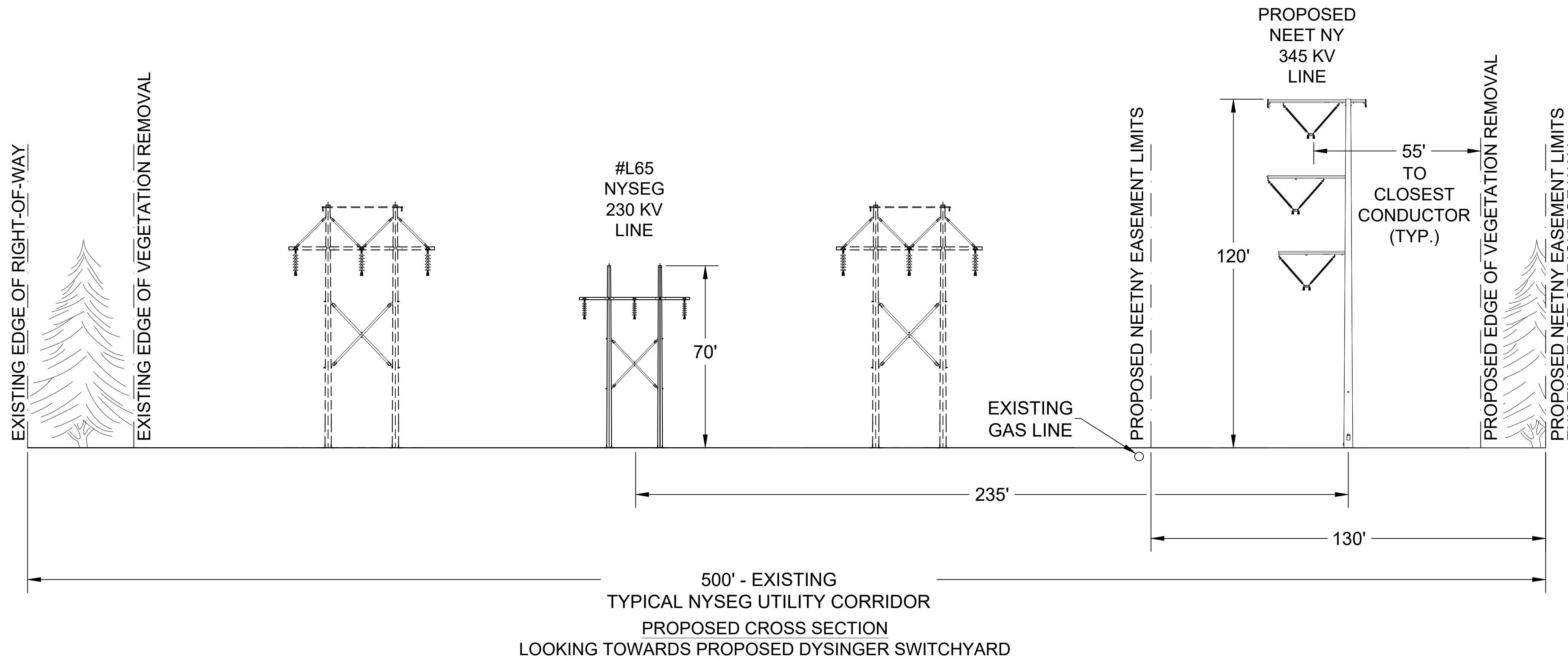
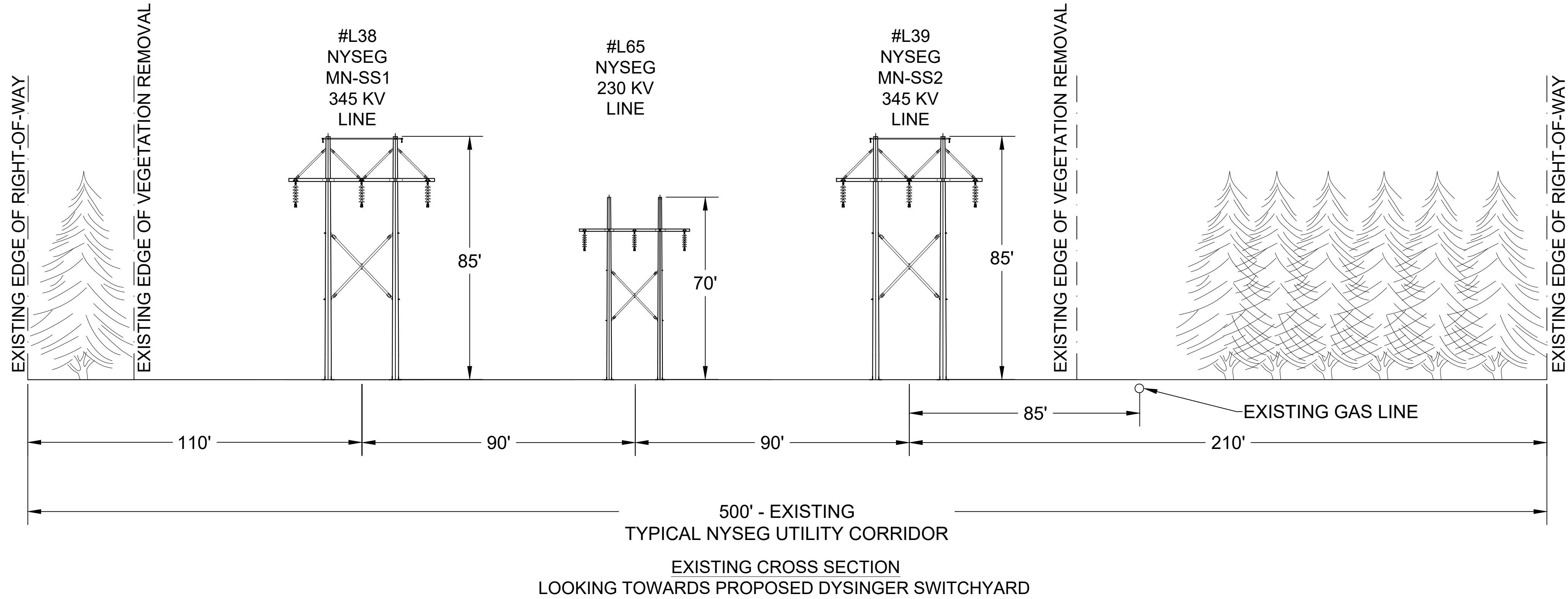


NEXTERA ENERGY TRANSMISSION NEW YORK, INC  
EMPIRE STATE LINE  
CROSS SECTION - 1

13666-003-T1-0700



CROSS SECTION - 2  
STR. 3 (STA 7+06)  
TO  
STR. 8 (STA 37+90)  
0.59 MILES  
(LOOKING NORTH)



NOTES:

- HEIGHTS SHOWN OF EXISTING AND NEW STRUCTURES ARE TYPICAL, HEIGHTS MAY VARY ALONG RIGHT-OF-WAY.
- ALL DIMENSIONS ARE PRELIMINARY AND SUBJECT TO CHANGE DURING DETAIL DESIGN.
- CROSS SECTIONS ARE TYPICAL OF PROPOSED SEGMENT, VARIATIONS ALONG SEGMENT MAY OCCUR.
- THE PROPOSED CROSS-SECTIONS SHOWS THE STRUCTURES AS HATCHED. APPROXIMATELY 0.5 MILES OF THIS LINE WILL BE REMOVED AFTER THE EMPIRE STATE LINE PROJECT IS IN-SERVICE.

L	08/25/2020	PRELIMINARY - ISSUED FOR REVIEW	DIV	JDJ	KVP	S&L	SCALE:  NONE -- -- --
K	03/26/2020	PRELIMINARY - ISSUED FOR REVIEW	DIV	JDJ	KVP	S&L	
J	03/10/2020	PRELIMINARY - ISSUED FOR REVIEW	DIV	JDJ	KVP	S&L	
H	01/30/2020	PRELIMINARY - ISSUED FOR REVIEW	DIV	JDJ	KVP	S&L	
G	07/23/2019	PRELIMINARY - ISSUED FOR REVIEW	DIV	JDJ	KVP	S&L	
F	04/09/2019	PRELIMINARY - ARTICLE VII	SG	JDJ	KVP	S&L	PREP: NJT CHKD: JDJ
E	08/02/2018	PRELIMINARY - ARTICLE VII	SG	JDJ	KVP	S&L	
D	07/16/2018	PRELIMINARY - ARTICLE VII	SG	JDJ	KVP	S&L	
NO	DATE	REVISIONS AND RECORD OF ISSUE	DRWN	REV'D	APPR	COMP	APPD: KVP DATE: 03/27/2018

CONTRACTOR/INSTALLER SHALL TAKE ALL APPROPRIATE PRECAUTIONS TO ENSURE THE SAFETY OF ALL PEOPLE LOCATED ON THE WORK SITE, INCLUDING CONTRACTOR'S /INSTALLER'S PERSONNEL (OR THAT OF IT'S SUB-CONTRACTOR(S)) PERFORMING THE WORK.

ANY MODIFICATION OR ADDITION TO THIS DRAWING BY ANY ORGANIZATION OTHER THAN SARGENT & LUNDY IS NOT THE RESPONSIBILITY OF SARGENT & LUNDY.



NEXTERA ENERGY TRANSMISSION NEW YORK, INC  
EMPIRE STATE LINE  
CROSS SECTION - 2

13666-003-T1-0701

DYSINGER  
SWITCHYARD

EAST STOLLE  
ROAD SWITCHYARD

PROJECT LINE OVERVIEW  
NOT TO SCALE

PRELIMINARY  
NOT FOR CONSTRUCTION



A

---

B

---

C

---

D

---



E

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F



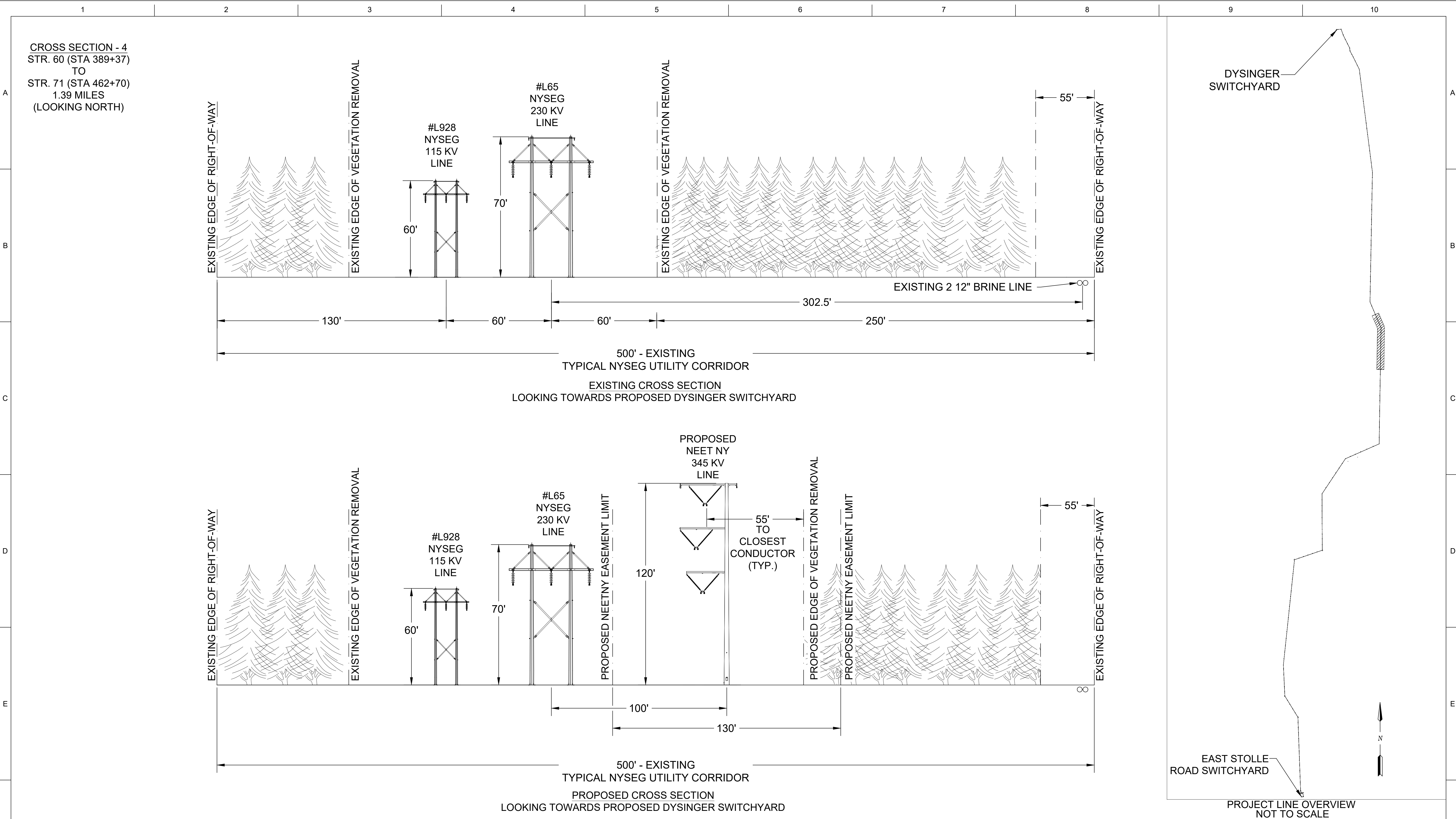
1. HEIGHTS SHOWN OF EXISTING AND NEW STRUCTURES ARE TYPICAL, HEIGHTS MAY VARY ALONG RIGHT-OF-WAY.
2. ALL DIMENSIONS ARE PRELIMINARY AND SUBJECT TO CHANGE DURING DETAIL DESIGN.
3. CROSS SECTIONS ARE TYPICAL OF PROPOSED SEGMENT, VARIATIONS ALONG SEGMENT MAY OCCUR.

	<p>CONTRACTOR/INSTALLER SHALL TAKE ALL APPROPRIATE PRECAUTIONS TO ENSURE THE SAFETY OF ALL PEOPLE LOCATED ON THE WORK SITE, INCLUDING CONTRACTOR'S /INSTALLER'S PERSONNEL (OR THAT OF ITS SUB-CONTRACTOR(S)) PERFORMING THE WORK.</p>	<p>ANY MODIFICATION OR ADDITION TO THIS DRAWING BY ANY ORGANIZATION OTHER THAN SARGENT &amp; LUNDY IS NOT THE RESPONSIBILITY OF SARGENT &amp; LUNDY.</p>			<p>NEXTERA ENERGY TRANSMISSION NEW YORK, INC</p> <p>EMPIRE STATE LINE</p> <p>CROSS SECTION - 3</p>
					<p>13666-003-T1-0702</p>



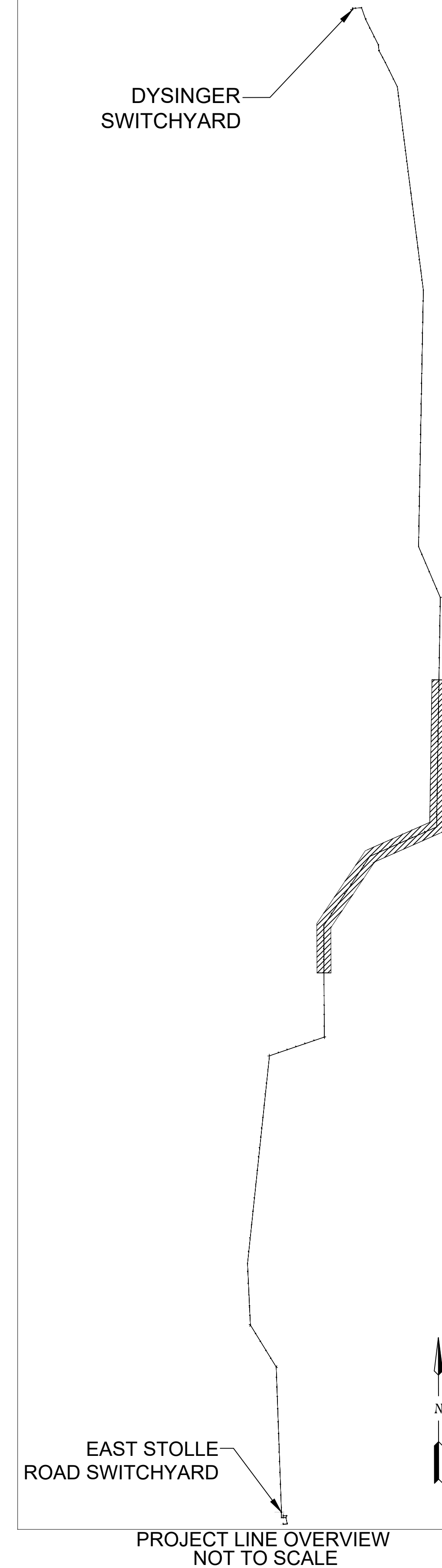
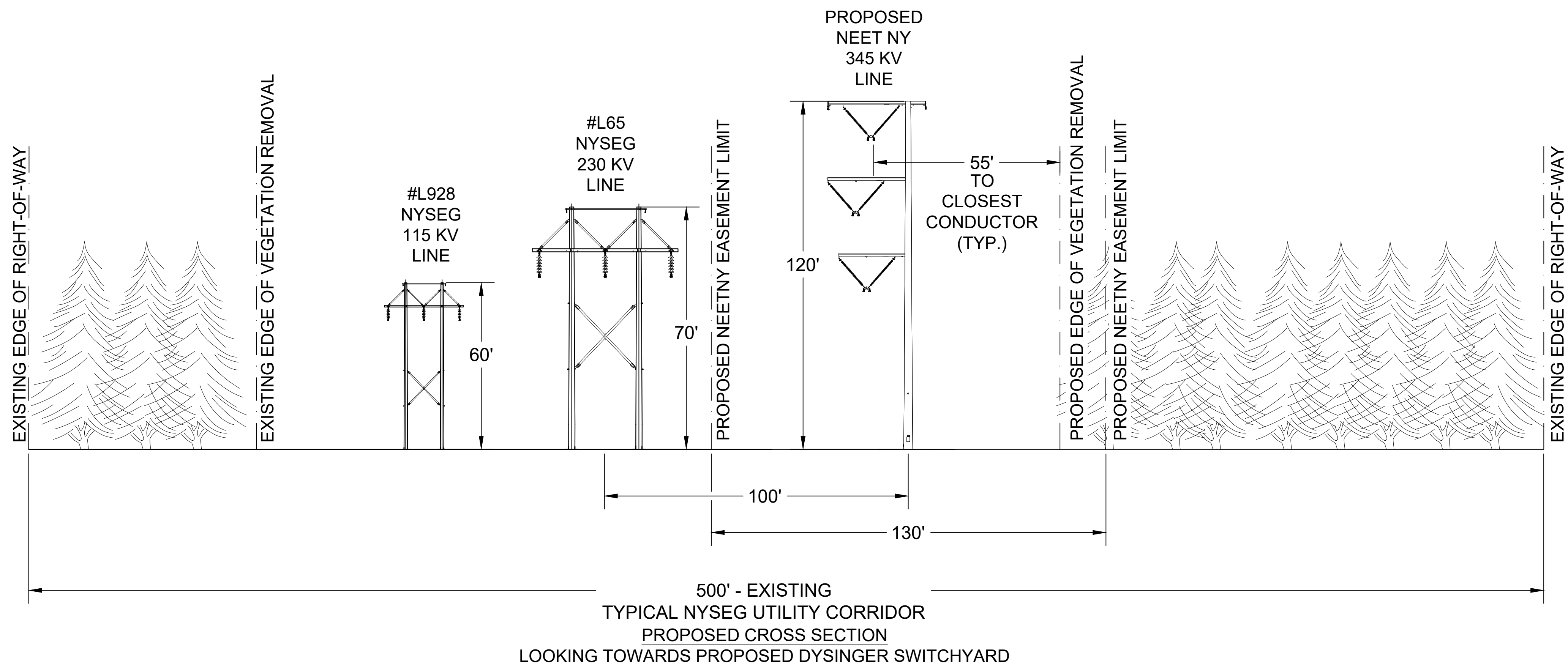
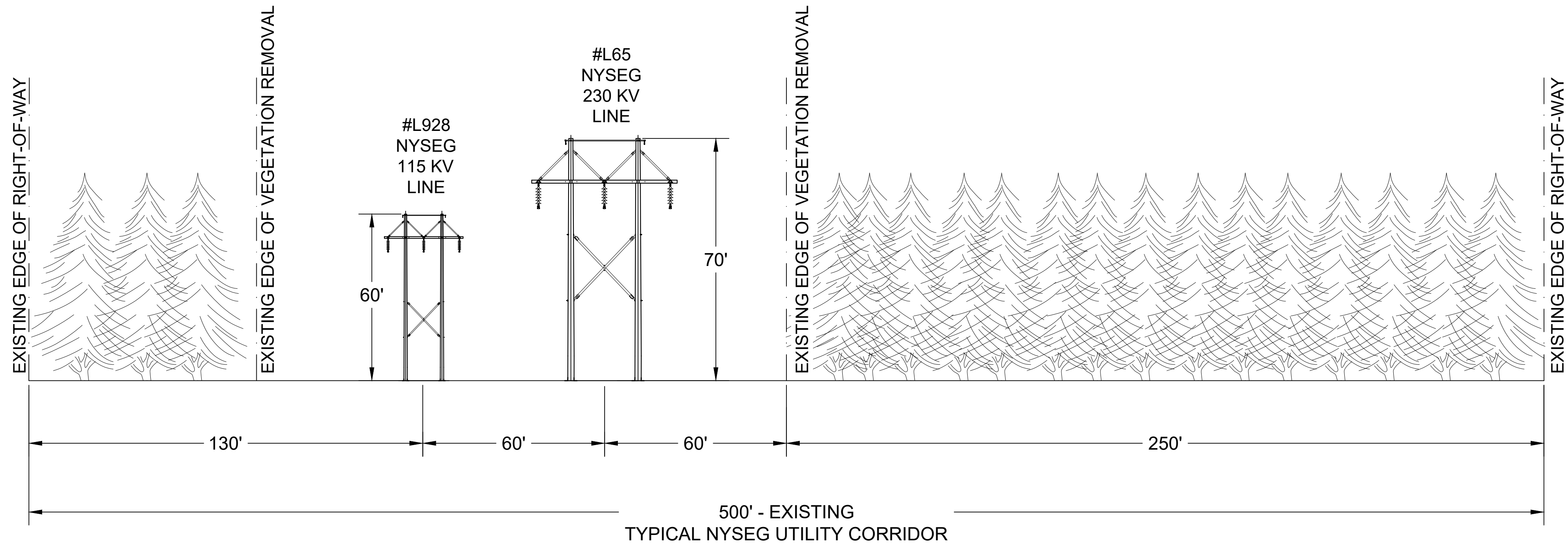
PRELIMINARY  
NOT FOR CONSTRUCTION







CROSS SECTION - 5  
STR. 71 (STA 462+70)  
TO  
STR. 102 (STA 695+42)  
4.4 MILES  
(LOOKING NORTH)



NOTES:

- HEIGHTS SHOWN OF EXISTING AND NEW STRUCTURES ARE TYPICAL, HEIGHTS MAY VARY ALONG RIGHT-OF-WAY.
- ALL DIMENSIONS ARE PRELIMINARY AND SUBJECT TO CHANGE DURING DETAIL DESIGN.
- CROSS SECTIONS ARE TYPICAL OF PROPOSED SEGMENT, VARIATIONS ALONG SEGMENT MAY OCCUR.

K	08/25/2020	PRELIMINARY - ISSUED FOR REVIEW	DIV	JDJ	KVP	S&L	SCALE:  NONE -- -- --	PREP: NJT CHKD: JDJ
J	03/26/2020	PRELIMINARY - ISSUED FOR REVIEW	DIV	JDJ	KVP	S&L		
H	03/10/2020	PRELIMINARY - ISSUED FOR REVIEW	DIV	JDJ	KVP	S&L		
G	01/30/2020	PRELIMINARY - ISSUED FOR REVIEW	DIV	JDJ	KVP	S&L		
F	07/23/2019	PRELIMINARY - ISSUED FOR REVIEW	DIV	JDJ	KVP	S&L		
E	04/09/2019	PRELIMINARY - ARTICLE VII	SG	JDJ	KVP	S&L	PREP: NJT CHKD: JDJ	DATE: 03/27/2018
D	08/02/2018	PRELIMINARY - ARTICLE VII	SG	JDJ	KVP	S&L		
C	06/20/2018	PRELIMINARY - ARTICLE VII	NJT	JDJ	KVP	S&L		
NO	DATE	REVISIONS AND RECORD OF ISSUE	DRWN	REV'D	APPR	COMP	APPD: KVP	

CONTRACTOR/INSTALLER SHALL TAKE ALL APPROPRIATE PRECAUTIONS TO ENSURE THE SAFETY OF ALL PEOPLE LOCATED ON THE WORK SITE, INCLUDING CONTRACTOR'S /INSTALLER'S PERSONNEL (OR THAT OF IT'S SUB-CONTRACTOR(S)) PERFORMING THE WORK.

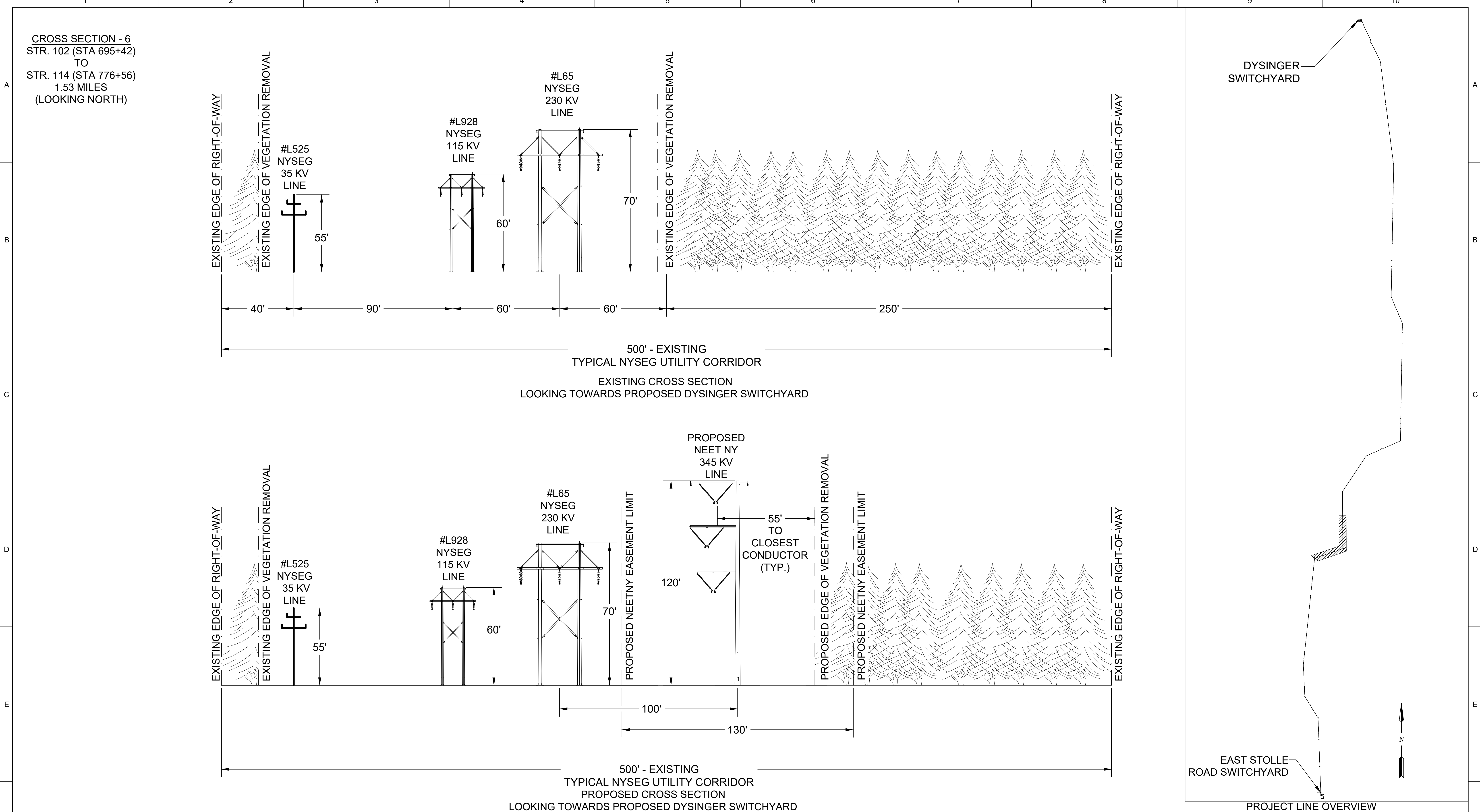
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NEXTERA ENERGY TRANSMISSION NEW YORK, INC  
EMPIRE STATE LINE  
CROSS SECTION - 5

13666-003-T1-0704



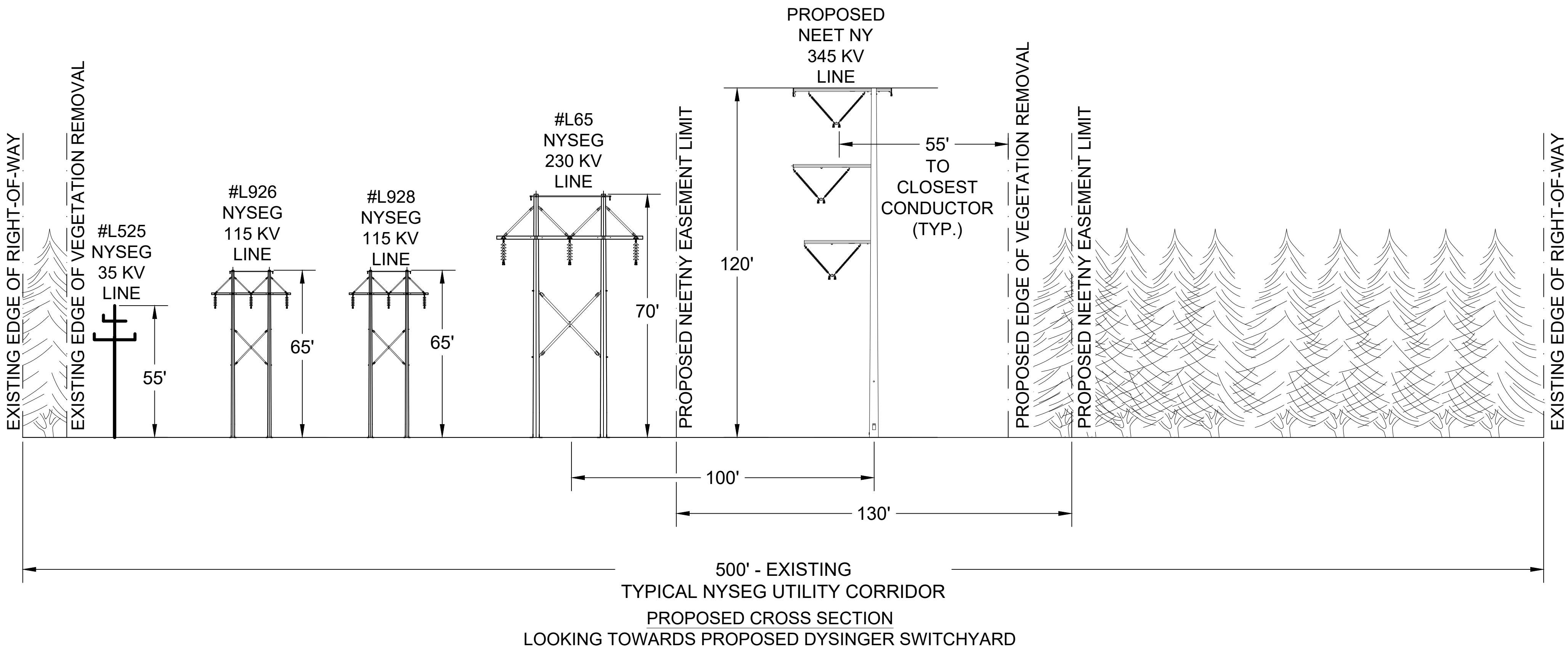
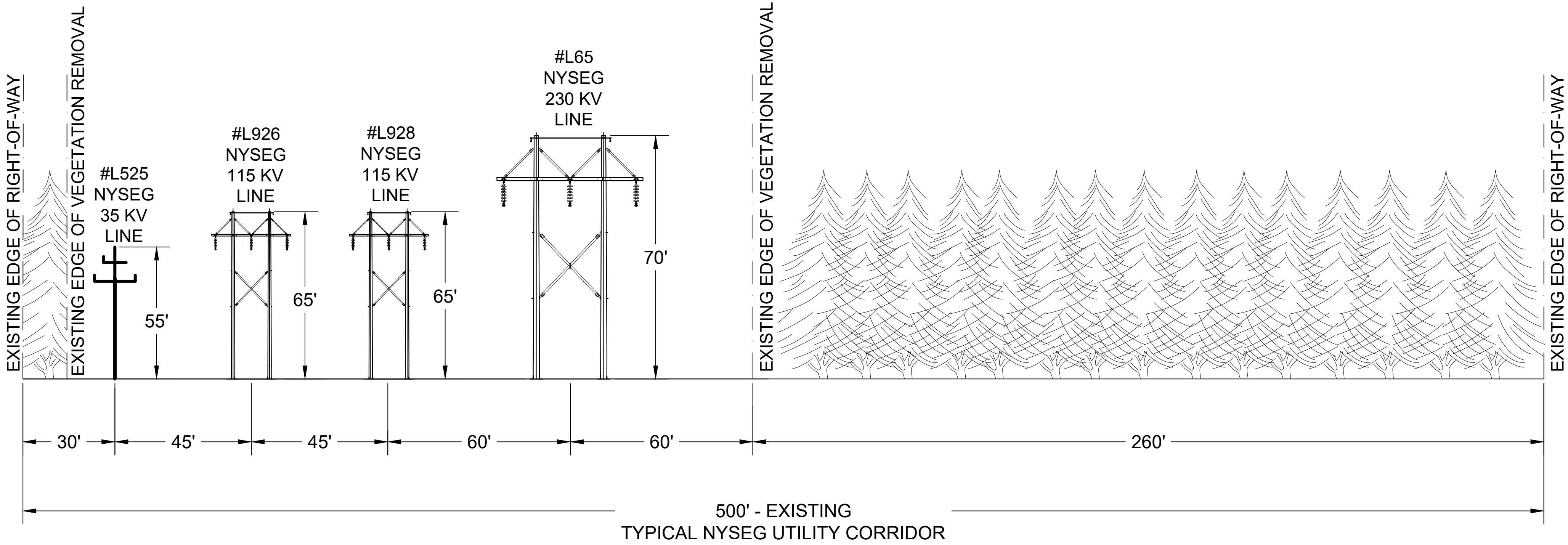


- NOTES:**
- 1. HEIGHTS SHOWN OF EXISTING AND NEW STRUCTURES ARE TYPICAL, HEIGHTS MAY VARY ALONG RIGHT-OF-WAY.
  - 2. ALL DIMENSIONS ARE PRELIMINARY AND SUBJECT TO CHANGE DURING DETAIL DESIGN.
  - 3. CROSS SECTIONS ARE TYPICAL OF PROPOSED SEGMENT, VARIATIONS ALONG SEGMENT MAY OCCUR.

K	08/25/2020	PRELIMINARY - ISSUED FOR REVIEW	DIV	JDJ	KVP	S&L	SCALE: <div>NONE</div>	CONTRACTOR/INSTALLER SHALL TAKE ALL APPROPRIATE PRECAUTIONS TO ENSURE THE SAFETY OF ALL PEOPLE LOCATED ON THE WORK SITE, INCLUDING CONTRACTOR'S /INSTALLER'S PERSONNEL (OR THAT OF IT'S SUB-CONTRACTOR(S)) PERFORMING THE WORK.	ANY MODIFICATION OR ADDITION TO THIS DRAWING BY ANY ORGANIZATION OTHER THAN SARGENT & LUNDY IS NOT THE RESPONSIBILITY OF SARGENT & LUNDY.			NEXTERA ENERGY TRANSMISSION NEW YORK, INC EMPIRE STATE LINE CROSS SECTION - 6
J	03/26/2020	PRELIMINARY - ISSUED FOR REVIEW	DIV	JDJ	KVP	S&L						
H	03/10/2020	PRELIMINARY - ISSUED FOR REVIEW	DIV	JDJ	KVP	S&L						
G	01/30/2020	PRELIMINARY - ISSUED FOR REVIEW	DIV	JDJ	KVP	S&L						
F	07/23/2019	PRELIMINARY - ISSUED FOR REVIEW	DIV	JDJ	KVP	S&L						
E	04/09/2019	PRELIMINARY - ARTICLE VII	SG	JDJ	KVP	S&L	PREP: NJT CHKD: JDJ					
D	07/16/2018	PRELIMINARY - ARTICLE VII	SG	JDJ	KVP	S&L						
C	06/20/2018	PRELIMINARY - ARTICLE VII	SG	JDJ	KVP	S&L						
NO	DATE	REVISIONS AND RECORD OF ISSUE	DRWN	REV'D	APPR	COMP	APPD: KVP	DATE: 03/27/2018				13666-003-T1-0705



CROSS SECTION - 7  
STR. 114 (STA 776+56)  
TO  
STR. 118 (STA 809+84)  
0.63 MILES  
(LOOKING NORTH)



DYSINGER  
SWITCHYARD

EAST STOLLE  
ROAD SWITCHYARD

PROJECT LINE OVERVIEW  
NOT TO SCALE

PRELIMINARY  
NOT FOR CONSTRUCTION

NOTES:

- HEIGHTS SHOWN OF EXISTING AND NEW STRUCTURES ARE TYPICAL, HEIGHTS MAY VARY ALONG RIGHT-OF-WAY.
- ALL DIMENSIONS ARE PRELIMINARY AND SUBJECT TO CHANGE DURING DETAIL DESIGN.
- CROSS SECTIONS ARE TYPICAL OF PROPOSED SEGMENT, VARIATIONS ALONG SEGMENT MAY OCCUR.

K	08/25/2020	PRELIMINARY - ISSUED FOR REVIEW	DIV	JDJ	KVP	S&L	SCALE:  NONE -- -- --
J	03/26/2020	PRELIMINARY - ISSUED FOR REVIEW	DIV	JDJ	KVP	S&L	
H	03/10/2020	PRELIMINARY - ISSUED FOR REVIEW	DIV	JDJ	KVP	S&L	
G	01/30/2020	PRELIMINARY - ISSUED FOR REVIEW	DIV	JDJ	KVP	S&L	
F	07/23/2019	PRELIMINARY - ISSUED FOR REVIEW	DIV	JDJ	KVP	S&L	
E	04/09/2019	PRELIMINARY - ARTICLE VII	SG	JDJ	KVP	S&L	PREP: NJT CHKD: JDJ
D	07/16/2018	PRELIMINARY - ARTICLE VII	SG	JDJ	KVP	S&L	
C	06/20/2018	PRELIMINARY - ARTICLE VII	SG	JDJ	KVP	S&L	
NO	DATE	REVISIONS AND RECORD OF ISSUE	DRWN	REV'D	APPR	COMP	APPD: KVP DATE: 03/27/2018

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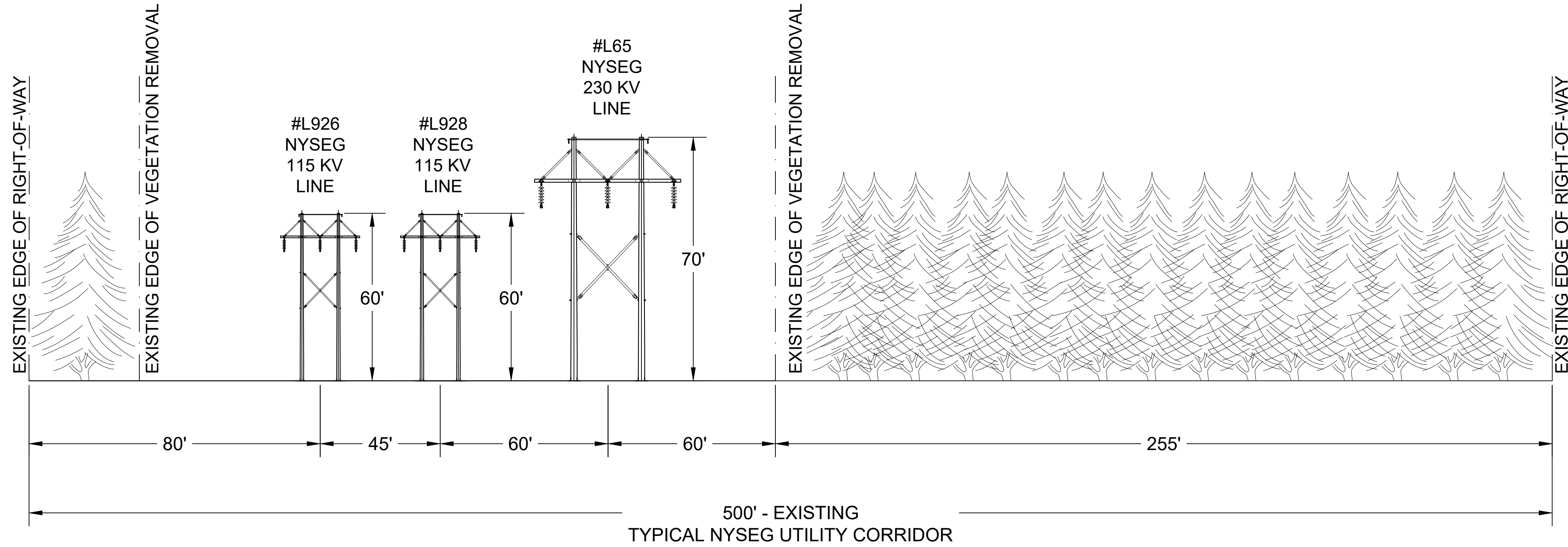


NEXTERA ENERGY TRANSMISSION NEW YORK, INC  
EMPIRE STATE LINE  
CROSS SECTION - 7

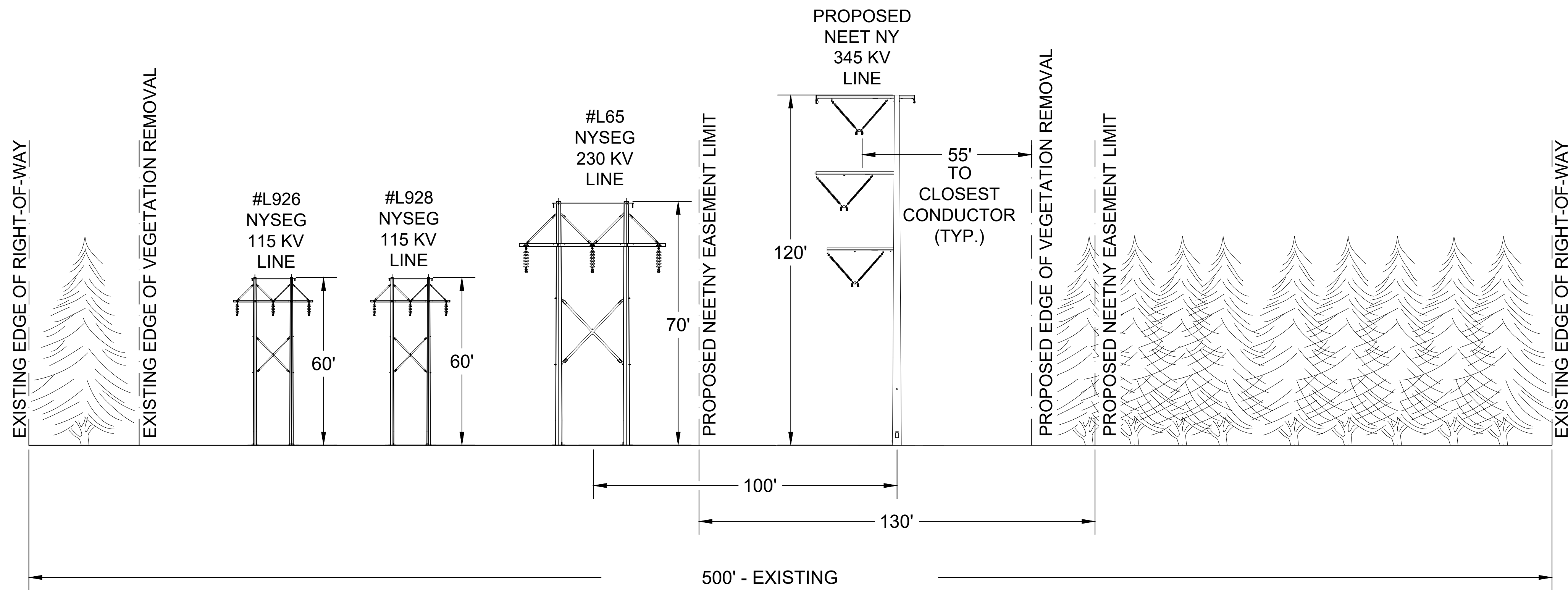
13666-003-T1-0706



CROSS SECTION - 8  
STR. 118 (STA 809+84)  
TO  
EAST STOLLE TAKE-OFF  
(STA 1085+38)  
5.22 MILES  
(LOOKING NORTH)



EXISTING CROSS SECTION  
LOOKING TOWARDS PROPOSED DYSINGER SWITCHYARD



PROPOSED CROSS SECTION  
LOOKING TOWARDS PROPOSED DYSINGER SWITCHYARD

DYSINGER  
SWITCHYARD

EAST STOLLE  
ROAD SWITCHYARD

PROJECT LINE OVERVIEW  
NOT TO SCALE

PRELIMINARY  
NOT FOR CONSTRUCTION

NOTES:

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K	08/25/2020	PRELIMINARY - ISSUED FOR REVIEW	DIV	JDJ	KVP	S&L	SCALE:  NONE -- --
J	03/26/2020	PRELIMINARY - ISSUED FOR REVIEW	DIV	JDJ	KVP	S&L	
H	03/10/2020	PRELIMINARY - ISSUED FOR REVIEW	DIV	JDJ	KVP	S&L	
G	01/30/2020	PRELIMINARY - ISSUED FOR REVIEW	DIV	JDJ	KVP	S&L	
F	07/23/2019	PRELIMINARY - ISSUED FOR REVIEW	DIV	JDJ	KVP	S&L	
E	04/09/2019	PRELIMINARY - ARTICLE VII	SG	JDJ	KVP	S&L	PREP: NJT CHKD: JDJ
D	07/16/2018	PRELIMINARY - ARTICLE VII	SG	JDJ	KVP	S&L	
C	06/20/2018	PRELIMINARY - ARTICLE VII	NJT	JDJ	KVP	S&L	
NO	DATE	REVISIONS AND RECORD OF ISSUE	DRWN	REV'D	APPR	COMP	APPD: KVP DATE: 03/27/2018

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NEXTERA ENERGY TRANSMISSION NEW YORK, INC  
EMPIRE STATE LINE  
CROSS SECTION - 8

13666-003-T1-0707

A

C

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1

□

1. HEIGHTS SHOWN OF EXISTING AND NEW STRUCTURES ARE TYPICAL, HEIGHTS MAY VARY ALONG RIGHT-OF-WAY
2. ALL DIMENSIONS ARE PRELIMINARY AND SUBJECT TO CHANGE DURING DETAIL DESIGN.
3. CROSS SECTIONS ARE TYPICAL OF PROPOSED SEGMENT, VARIATIONS ALONG SEGMENT MAY OCCUR.
4. NEETNY WILL TRANSFER OWNERSHIP OF TRANSMISSION LINE TO NYP&A IN ACCORDANCE WITH THE INTERCONNE

SCALE:

NONE



PREP: NJT

CHKD: JDJ

APPD: KVP

DATE: 05/09/2018

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**PRELIMINARY**  
NOT FOR CONSTRUCTION

13666-003-T1-0708



A

**B**

C

D

E

PROPOSED CROSS SECTION  
LOOKING TOWARDS PROPOSED DYSINGER SUBSTATION

A

B

C

D

E

F

NONE

22

ANY MODIFICATION OR ADDITION TO THIS  
DRAWING BY ANY ORGANIZATION OTHER  
THAN SARGENT & LUNDY IS NOT THE  
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EMPIRE STATE LINE  
STOLLE RD TAP CROSS-SECTION

NEXTERA ENERGY TRANSMISSION NEW YORK, INC  
EMPIRE STATE LINE  
STOLLE RD TAP CROSS-SECTION