

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

**(NEETNY)**

**Empire State Line**

**Case 18-T-0499**

**Appendix C**

**ESL Summary Documents**

**June 2020**



## TABLE OF CONTENTS

1. PROJECT DESCRIPTION AND CONSTRUCTION SEQUENCE
2. SCOPE OF WORK
3. SCHEMATIC ONE LINE
4. STRUCTURE LIST
5. CROSS SECTION DRAWINGS

### ATTACHMENT

- A DOCUMENTATION

## 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 ea.) “Drake” 795 kcmil ACSR conductors.
- Conductors for all tie lines will utilize the existing conductors identified.
- Shield wires for Empire State Line shall be 48-count Single Mode Fiber OPGW and 3/8-inch EHS.
- Shield wires for all tie lines will be utility approved OPGW and 3/8-inch EHS.
- To the extent practicable, centerline to centerline spacing for Empire State Line to the existing L65 NYSEG line will be 100 feet.
- Centerline to clearing limits will be 55 feet from energized conductor.
- Access roads and travel routes will be in accordance to 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 Attachment A.

### 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 ROW.
- NYISO/NYSEG/NYPD outage restrictions.
- Seasonal weather conditions.
- Construction Best Practices and Safety.

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 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 to the bat hibernacula identified within the area. Once this section of the proposed 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 (PAR) will be installed at Dysinger switchyard and a shunt reactor will be installed at East Stolle Road switchyard soon after their respective foundations cure. The two new ESL 345 kV switchyards will be constructed in parallel and target completion by early 2022.

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

#### Proposed Construction Sequence for new 345 kV Transmission Line:

- 1) Incorporate SWPPP and BMPs
- 2) Access Road and Entrance Plan Construction
- 3) Vegetation Clearing
- 4) Laydown Yard, Security Fence, Gate Installation and Grounding Construction
- 5) Proposed 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 ESL Line (with associated outages)
- 10) Site restoration and SWPPP compliance through permit close-out

Proposed Construction Sequence for Dysinger Switchyard:

- 1) Incorporate SWPPP and BMPs
- 2) Vegetation Clearing and Grading
- 3) Foundation and Oil Containment Installation
- 4) PAR 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

Proposed 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

### 1.1 Empire State 345 kV Line

- Implementation of the EM&CP with proper SWPPP materials installed to NYSDEC permit requirements.
- Installation of access roads and laydown yards including security fencing, gates, grounding, and additional SWPPP measures as outlined in EM&CP for these areas.
- Tree clearing and vegetation management per guidelines outlined in Construction Schedule to meet NYSDPS, NYSDEC, and NYSAGM requirements.
- Installation of proposed mitigation for protection of existing gas facilities.
- Design/Procure/Install proposed foundations and structures for new 345 kV transmission line from new Dysinger Switchyard to new East Stolle Switchyard.
- Design/Procure/Install proposed 345 kV Underground Crossing Section at NYSTA.
- 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 NYPA Moses-Niagara to Rochester 345 kV lines.
- Design/Procure/Install structures and foundations for 345 kV tie-in of NYSEG L38 and 39 345 kV lines into new Dysinger Switchyard.
- Removal of existing section of NYSEG and NYPA 345 kV lines to accommodate new tie-in for Dysinger Switchyard as required.
- Design/Procure/Install structures and foundations for re-route of NYSEG 5-mile to Stolle Road 345 kV line into East Stolle Switchyard.
- Design/Procure/Install new 345 kV tie-line from East Stolle Switchyard to existing Stolle Road Substation.

### **3. SCHEMATIC ONE LINE**

Refer to Schematic One Lines attached as Attachment A.

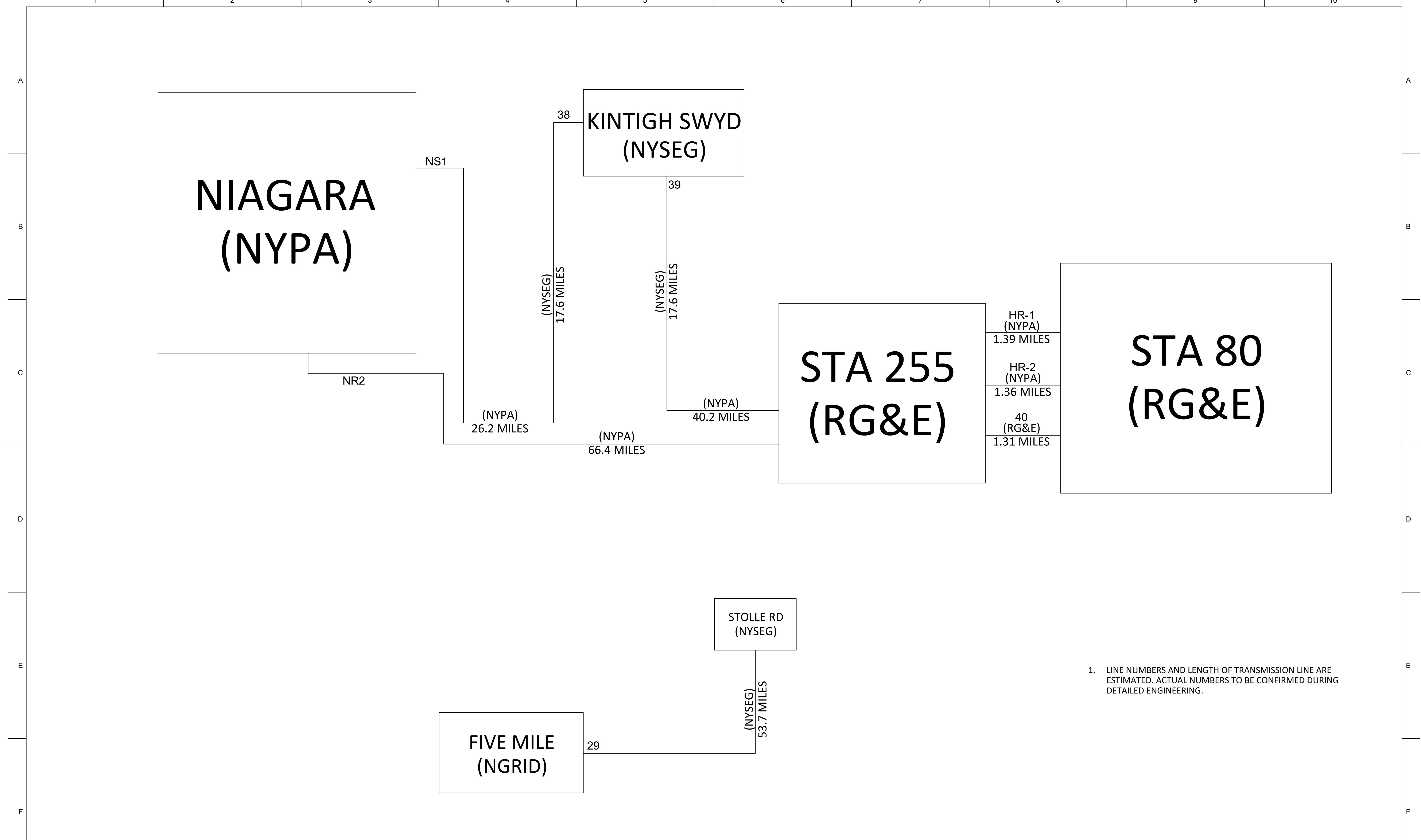
#### **4. STRUCTURE LIST**

Refer to Structure List attached as Attachment A.

## **5. CROSS SECTION DRAWINGS**

Refer to Cross Section Drawings attached as Attachment A.

**ATTACHMENT A DOCUMENTATION**



1. LINE NUMBERS AND LENGTH OF TRANSMISSION LINE ARE ESTIMATED. ACTUAL NUMBERS TO BE CONFIRMED DURING DETAILED ENGINEERING.

..	..	..	..	..	..	..	..	..	..	
..	..	..	..	..	..	..	..	..	..	
..	..	..	..	..	..	..	..	..	..	
..	..	..	..	..	..	..	..	..	..	
..	..	..	..	..	..	..	..	..	..	
A	12/19/2019	PRELIMINARY - ARTICLE VII/EMCP	KVP	JDJ	KVP	S&L	PREP:	KVP	CHKD:	JDJ
NO	DATE	REVISIONS AND RECORD OF ISSUE	DRWN	REVD	APPR	COMP	APPD:	KVP	DATE:	12/19/19

SCALE:

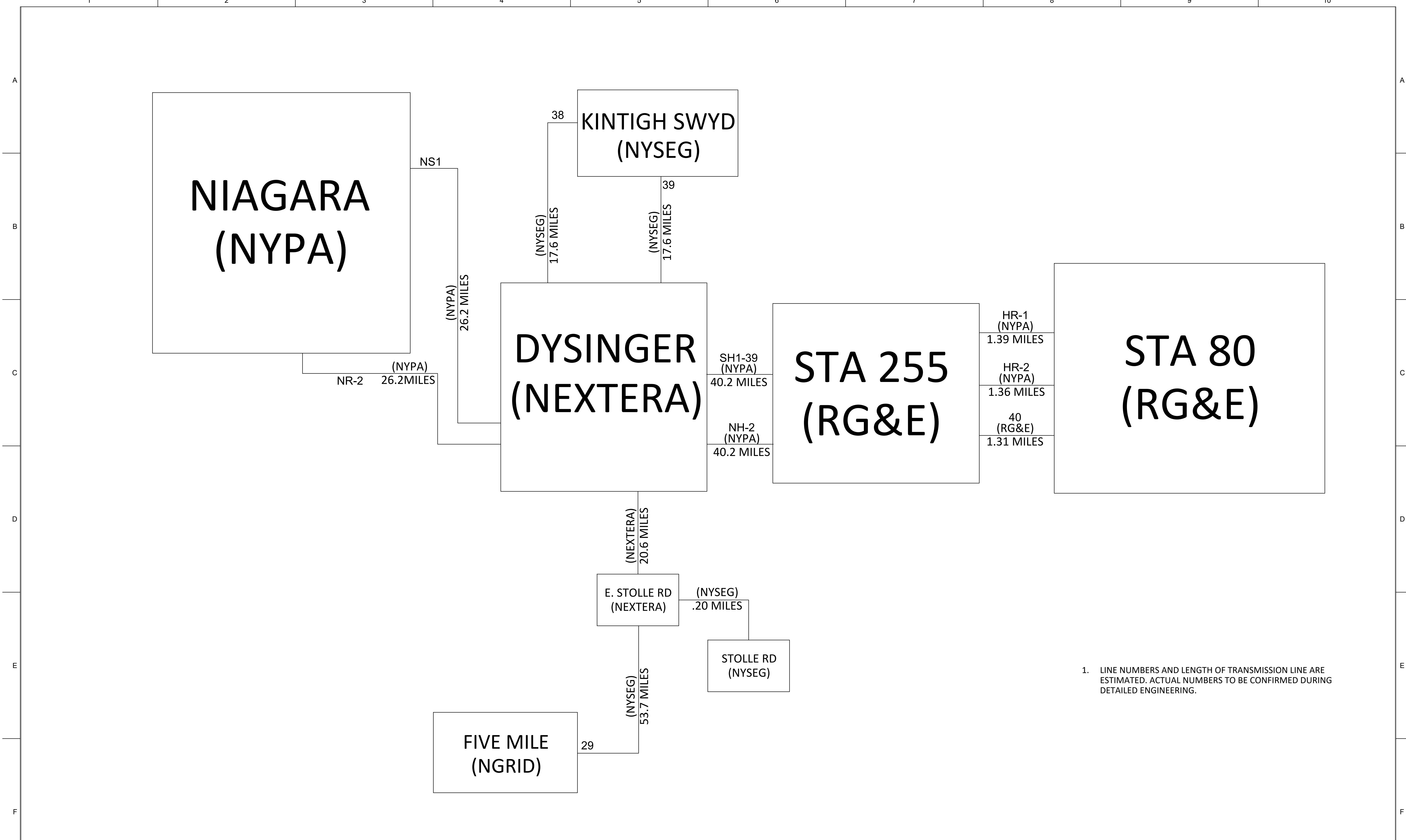
NONE

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.

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  
345 KV TRANSMISSION LINE  
SCHEMATIC - BEFORE  
13666-003-T1-1000



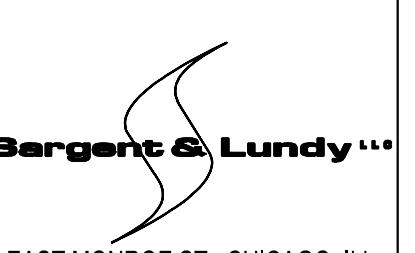
..	..	..	..	..	..	..	..	..		
..	..	..	..	..	..	..	..	..		
..	..	..	..	..	..	..	..	..		
..	..	..	..	..	..	..	..	..		
..	..	..	..	..	..	..	..	..		
A	12/19/2019	PRELIMINARY - ARTICLE VII/EMCP	KVP	JDJ	KVP	S&L	PREP:	KVP	CHKD:	JDJ
NO	DATE	REVISIONS AND RECORD OF ISSUE	DRWN	REVD	APPR	COMP	APPD:	KVP	DATE:	12/19/19

SCALE:

NONE

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.

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  
345 KV TRANSMISSION LINE  
SCHEMATIC - AFTER  
13666-003-T1-1001

STRUCTURE NUMBER	STRUCTURE TYPE	ABOVE GROUND HEIGHT	LINE ANGLE	AHEAD SPAN	BACK SPAN	COORDINATES (NAD 83 3103 NEW YORK WEST)			LONGITUDE (DEG)	LATITUDE (DEG)	COMMENTS
			(DEG)	(FT)	(FT)	X (ft)	Y (ft)	Z (ft)			
DYSINGER TAKE-OFF	TAKE-OFF	BY OTHERS	BY OTHERS	BY OTHERS	BY OTHERS	1153858.135	1133177.013	597.325	-78.56248731	43.11002925	SPLICING BOX LOCATION
1	DEADEND (75°-105°)	130	89.5	231.7	220.3	1154089.587	1133187.410	596.890	-78.56162053	43.11005761	
2	TANGENT (0°-1°)	155	0.0	420.5	231.7	1154509.698	1133206.281	594.644	-78.56004722	43.11010908	SPLICING BOX LOCATION
3	DEADEND (75°-105°)	155	82.6	398.8	420.5	1154578.922	1132813.508	597.738	-78.55978839	43.10903135	
3A	DEADEND (15°-45°)	120	-16.4	664.8	398.8	1154874.419	1132218.021	596.291	-78.55868245	43.10739723	
4	TANGENT (0°-1°)	110	0.0	557.9	664.8	1155122.415	1131718.260	597.970	-78.55775433	43.10602579	
5	TANGENT (0°-1°)	110	0.0	540.9	557.9	1155362.839	1131233.757	598.387	-78.55685460	43.10469622	
6	TANGENT (0°-1°)	115	0.0	542.1	540.9	1155603.823	1130748.125	598.999	-78.55595280	43.10336354	SPLICING BOX LOCATION
7	CROSSING STRUCTURE (22°-24°)	125	23.2	378.3	542.1	1155625.200	1130370.439	598.601	-78.55587322	43.10232723	SPLICING BOX LOCATION
8	CROSSING STRUCTURE (22°-24°)	125	-22.8	519.5	378.3	1155853.632	1129903.839	598.824	-78.55501845	43.10104677	
9	TANGENT (0°-1°)	120	-0.3	381.1	519.5	1156023.143	1129562.527	599.524	-78.55438418	43.10011013	
10	TANGENT (0°-1°)	120	0.2	583.0	381.1	1156280.364	1129039.382	598.463	-78.55342176	43.09867449	
11	HEAVY TANGENT (1°-3°)	110	-1.3	627.8	583.0	1156569.948	1128482.403	598.333	-78.55233826	43.09714597	
12	TANGENT (0°-1°)	115	0.0	590.7	627.8	1157085.113	1125875.768	597.590	-78.55041324	43.08999338	
13	RUNNING ANGLE (15°-30°)	120	21.2	710.3	590.7	1156842.431	1127958.316	598.873	-78.55131879	43.09570770	
14	TANGENT (0°-1°)	125	0.0	623.3	710.3	1156919.919	1127252.290	592.960	-78.55102969	43.09377044	
15	TANGENT (0°-1°)	125	-1.1	763.2	623.3	1156987.918	1126632.722	597.724	-78.55077601	43.09207041	
16	TANGENT (0°-1°)	120	0.0	784.3	763.2	1157184.850	1125097.801	602.182	-78.5504101	43.08785870	
17	TANGENT (0°-1°)	120	0.0	677.8	784.3	1157271.036	1124425.545	596.371	-78.54971938	43.08601408	
18	TANGENT (0°-1°)	115	0.0	702.4	677.8	1157360.355	1123728.849	595.869	-78.54938607	43.08410239	
19	TANGENT (0°-1°)	115	0.0	724.2	702.4	1157452.442	1123010.560	595.824	-78.54904246	43.08213145	
20	TANGENT (0°-1°)	115	0.0	699.1	724.2	1157541.337	1122317.162	596.418	-78.54871077	43.08022881	
21	TANGENT (0°-1°)	115	0.0	727.7	699.1	1157633.876	1121595.351	603.227	-78.54836551	43.07824821	
22	TANGENT (0°-1°)	120	0.0	714.7	727.7	1157724.758	1120886.459	601.072	-78.54802646	43.07630305	
23	STRAIN (0°-1°)	115	0.0	716.2	714.7	1157815.838	1120176.030	602.743	-78.54768669	43.07435368	
24	TANGENT (0°-1°)	120	0.0	779.6	716.2	1157914.977	1119402.730	608.897	-78.54731688	43.07223178	
25	TANGENT (0°-1°)	120	0.0	755.2	779.6	1158011.009	1118653.669	602.787	-78.54695868	43.07017640	
26	TANGENT (0°-1°)	115	0.0	700.2	755.2	1158100.046	1117959.176	604.839	-78.54662660	43.06827075	
27	TANGENT (0°-1°)	120	0.0	676.9	700.2	1158197.692	1117197.525	600.581	-78.54626243	43.06618081	
28	TANGENT (0°-1°)	120	0.0	697.7	676.9	1158286.417	1116505.457	602.655	-78.54593155	43.06428181	
29	TANGENT (0°-1°)	120	0.0	799.8	697.7	1158388.118	1115712.182	605.417	-78.54555231	43.06210510	
30	HEAVY TANGENT (1°-3°)	120	-1.5	589.0	799.8	1158478.031	1115130.056	607.272	-78.54521684	43.06050774	
31	TANGENT (0°-1°)	110	0.0	675.8	589.0	1158581.185	1114462.204	608.035	-78.54483200	43.05867516	SPLICING BOX LOCATION
32	DEADEND (0°-15°)	120	11.2	725.2	675.8	1158521.564	1113737.659	608.477	-78.54494618	43.05668719	
33	TANGENT (0°-1°)	120	0.0	707.2	725.2	1158531.069	1113031.069	610.269	-78.54505753	43.05474849	
34	HEAVY TANGENT (1°-3°)	115	-1.7	710.4	707.2	1158512.960	1112320.750	609.205	-78.54509093	43.05279952	
35	TANGENT (0°-1°)	125	0.4	730.3	710.4	1158498.552	1111590.599	612.212	-78.54514608	43.05079614	
36	TANGENT (0°-1°)	115	0.4	722.8	730.3	1158479.736	1110868.011	616.436	-78.54521771	43.04881353	
37	TANGENT (0°-1°)	115	-0.4	726.8	722.8	1158465.683	1110141.315	620.589	-78.54527151	43.04681963	
38	TANGENT (0°-1°)	115	0.0	599.8	726.8	1158454.086	1109541.585	631.206	-78.54531591	43.04517410	
39	TANGENT (0°-1°)	110	0.0	615.9	599.8	1158442.177	1108925.751	629.972	-78.54536151	43.04348439	
40	TANGENT (0°-1°)	120	0.0	642.2	615.9	1158429.760	1108283.630	632.168	-78.54540904	43.04172254	
41	TANGENT (0°-1°)	125	0.0	721.7	642.2	1158301.648	1107562.030	630.965	-78.54546246	43.03974263	
42	TANGENT (0°-1°)	115	0.0	664.8	721.7	1158402.952	1106897.345	635.270	-78.54551166	43.03791887	
43	TANGENT (0°-1°)	115	0.0	746.1	664.8	1158327.933	1102859.601	648.245	-78.54556687	43.03587206	
44	TANGENT (0°-1°)	115	0.0	668.2	746.1	1158315.175	1102143.401	645.576	-78.54561632	43.03403901	SPLICING BOX LOCATION
45	STRAIN (0°-1°)	115	0.0	614.3	668.2	1158301.648	1101384.078	646.059	-78.54589979	43.02279161	
46	TANGENT (0°-1°)	115	-0.1	541.8	614.3	1158290.485	1100757.490	646.467	-78.54594257	43.02107238	
47	TANGENT (0°-1°)	115	0.0	754.2	541.8	1158279.067	1100116.515	645.665	-78.54598634		



NEXTERA ENERGY TRANSMISSION NEW YORK, INC  
EMPIRE STATE LINE, LLC  
STRUCTURE LIST - 345KV

PREPARED: J. D. JOCHAM  
REVIEWED: K. V. PARIKH  
APPROVED: K. V. PARIKH  
REVISION: B  
6/22/2020

74	TANGENT (0°-1°)	115	0.0	621.9	731.8	1159548.720	1086404.675	788.973	-78.54126426	42.98168907	
75	TANGENT (0°-1°)	110	0.0	646.7	621.9	1159538.743	1085782.845	783.985	-78.54130271	42.97998288	
76	TANGENT (0°-1°)	110	0.0	650.1	646.7	1159528.370	1085136.251	777.102	-78.54134268	42.97820875	
77	TANGENT (0°-1°)	115	0.0	690.1	650.1	1159517.941	1084486.284	768.443	-78.54138287	42.97642535	
78	TANGENT (0°-1°)	120	0.0	647.4	690.1	1159506.872	1083796.319	768.267	-78.54142552	42.97453221	
79	TANGENT (0°-1°)	115	0.0	733.0	647.4	1159496.487	1083149.050	786.576	-78.54146553	42.97275623	
81	DEADEND (0°-15°)	120	0.0	336.7	733.0	1159484.729	1082416.192	783.139	-78.54151082	42.97074539	
82	TRANSITION STRUCTURE	90	-0.1	0.0	336.7	1159479.052	1082079.574	782.756	-78.54153266	42.96982177	SPLICING BOX LOCATION
83	TRANSITION STRUCTURE	90	-0.6	90.6	0.0	1159443.856	1079811.851	787.454	-78.54166837	42.96359954	SPLICING BOX LOCATION
84	DEADEND (0°-15°)	120	-0.9	893.3	90.6	1159443.387	1079721.279	786.959	-78.54167029	42.96335102	
85	DEADEND (45°-75°)	135	68.4	855.6	893.3	1159453.297	1078828.000	782.265	-78.54163492	42.96089999	
86	HEAVY TANGENT (1°-3°)	125	-1.5	912.0	855.6	1158661.312	1078504.288	782.454	-78.54459423	42.96001281	
87	TANGENT (0°-1°)	130	0.0	888.3	912.0	1157826.628	1078136.723	784.209	-78.54771304	42.95900528	
88	TANGENT (0°-1°)	125	0.0	775.6	888.3	1157013.634	1077778.711	779.340	-78.55075070	42.95802385	
89	TANGENT (0°-1°)	125	0.0	699.7	775.6	1156303.846	1077466.146	779.833	-78.55340267	42.95716695	
90	TANGENT (0°-1°)	120	0.0	717.4	699.7	1155663.507	1077184.164	776.204	-78.55579509	42.95639383	
91	DEADEND (15°-45°)	120	-32.5	757.3	717.4	1155006.985	1076895.056	777.426	-78.55824792	42.95560113	
92	TANGENT (0°-1°)	125	0.0	730.4	757.3	1154586.655	1076265.107	780.960	-78.55981874	42.95387297	
93	TANGENT (0°-1°)	120	0.0	759.8	730.4	1154181.280	1075657.570	780.368	-78.56133359	42.95220628	
94	TANGENT (0°-1°)	115	0.0	763.0	759.8	1153759.587	1075025.579	778.640	-78.56290934	42.95047248	
95	TANGENT (0°-1°)	115	0.0	782.2	763.0	1153336.072	1074390.856	777.727	-78.56449180	42.94873117	
96	TANGENT (0°-1°)	130	0.0	786.1	782.2	1152901.915	1073740.185	774.397	-78.56611393	42.94694607	
97	TANGENT (0°-1°)	130	0.0	963.9	786.1	1152465.595	1073086.273	782.352	-78.56774405	42.94515206	
98	DEADEND (15°-45°)	130	-34.0	799.0	963.9	1151930.574	1072284.437	750.129	-78.56974279	42.94295220	SPLICING BOX LOCATION
99	TANGENT (0°-1°)	120	0.0	746.6	799.0	1151934.083	1071485.422	771.579	-78.56973017	42.94075981	
100	TANGENT (0°-1°)	115	0.0	723.8	746.6	1151937.361	1070738.838	767.816	-78.56971838	42.93871129	
101	TANGENT (0°-1°)	125	0.0	869.5	723.8	1151940.539	1070015.020	764.330	-78.56970695	42.93672523	
102	TANGENT (0°-1°)	130	0.0	790.1	869.5	1151944.356	1069145.505	764.803	-78.56969322	42.93433940	
103	TANGENT (0°-1°)	130	0.0	740.2	790.1	1151947.825	1068355.423	767.164	-78.56968074	42.93217152	
104	TANGENT (0°-1°)	115	0.0	626.6	740.2	1151951.075	1067615.252	773.513	-78.56966906	42.93014059	
105	TANGENT (0°-1°)	120	0.0	616.7	626.6	1151953.827	1066988.653	774.714	-78.56965917	42.92842129	
106	TANGENT (0°-1°)	115	0.0	774.7	616.7	1151956.534	1066372.002	776.288	-78.56964943	42.92672928	
107	HEAVY TANGENT (1°-3°)	120	-1.8	724.4	774.7	1151959.935	1065597.335	779.392	-78.56963720	42.92460369	
108	DEADEND (75°-105°)	115	75.1	707.4	724.4	1151985.863	1064873.424	781.665	-78.56954084	42.92261737	SPLICING BOX LOCATION
109	HEAVY TANGENT (1°-3°)	120	-1.9	649.3	707.4	1151309.147	1064667.274	779.571	-78.57206750	42.92205199	
110	TANGENT (0°-1°)	110	0.0	634.7	649.3	1150694.488	1064457.964	775.982	-78.57436243	42.92147788	
111	TANGENT (0°-1°)	115	0.0	628.7	634.7	1150093.709	1064253.381	771.143	-78.57660549	42.92091668	
112	TANGENT (0°-1°)	120	0.0	612.5	628.7	1149498.586	1064050.724	765.722	-78.57882739	42.92036073	
113	TANGENT (0°-1°)	110	0.0	628.2	612.5	1148918.815	1063853.294	762.367	-78.58099195	42.91981907	
114	DEADEND (45°-75°)	125	-65.1	969.7	628.2	1148324.138	1063650.789	759.938	-78.58321211	42.91926345	SPLICING BOX LOCATION
115	TANGENT (0°-1°)	130	0.0	850.7	969.7	1148222.011	1062686.530	756.045	-78.58359337	42.91661765	
116	TANGENT (0°-1°)	125	0.0	740.6	850.7	1148132.407	1061840.515	756.261	-78.58392786	42.91429629	
117	TANGENT (0°-1°)	120	0.0	780.6	740.6	1148054.409	1061104.079	752.305	-78.58421900	42.91227560	
118	TANGENT (0°-1°)	130	0.0	806.4	780.6	1147972.195	1060327.836	752.295	-78.58452586	42.91014569	
119	TANGENT (0°-1°)	115	0.0	693.3	806.4	1147887.263	1059525.931	757.794	-78.58484284	42.90794535	
120	TANGENT (0°-1°)	110	0.0	619.9	693.3	1147814.245	1058836.513	754.589	-78.58511534	42.90605367	
121	TANGENT (0°-1°)	110	0.0	705.5	619.9	1147748.954	1058220.054	744.116	-78.58535899	42.90436218	
122	TANGENT (0°-1°)	115	0.0	593.6	705.5	1147674.653	1057518.520	737.926	-78.58563624	42.90243725	
123	TANGENT (0°-1°)	120	0.0	920.7	593.6	1147612.129	1056928.194	738.878	-78.5856953	42.90081747	
124	TANGENT (0°-1°)	125	0.0	910.7	920.7	1147515.158	1056012.612	744.714	-78.58623134	42.89830521	
125	STRAIN (0°-1°)	130	0.0	915.7	910.7	1147419.240	1055106.979	746.342	-78.58658918	42.89582025	
126	TANGENT (0°-1°)	125</									



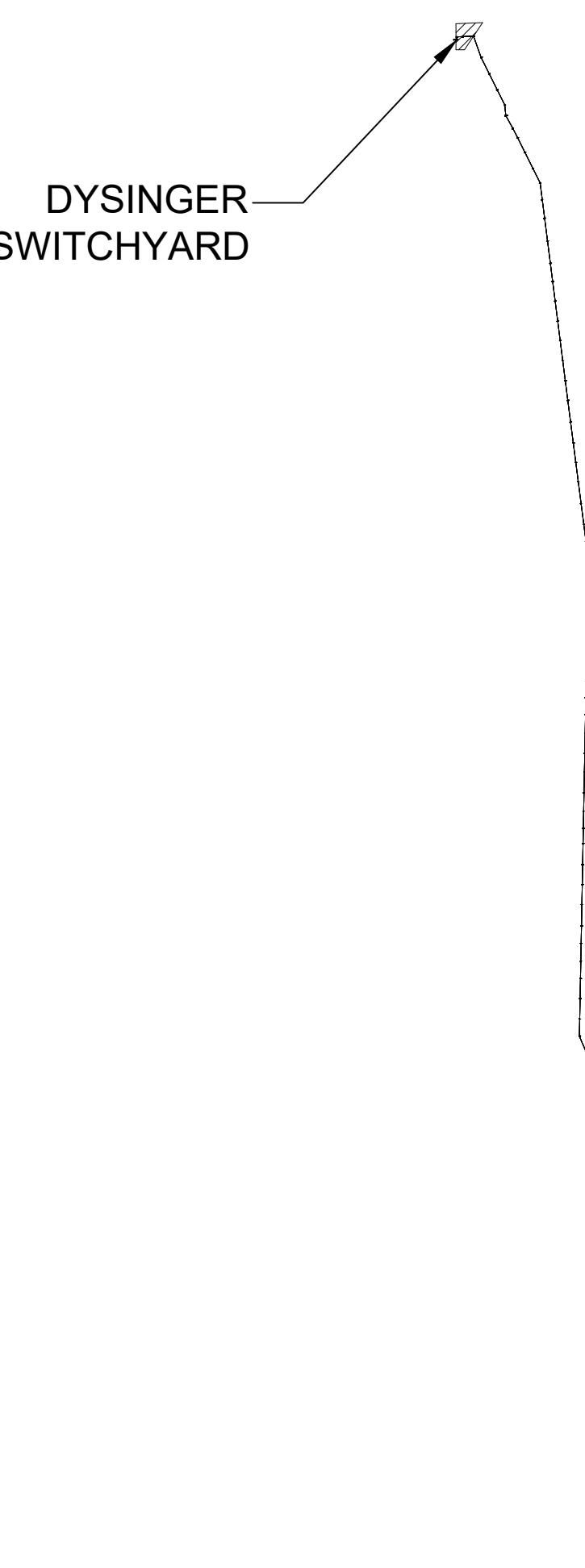
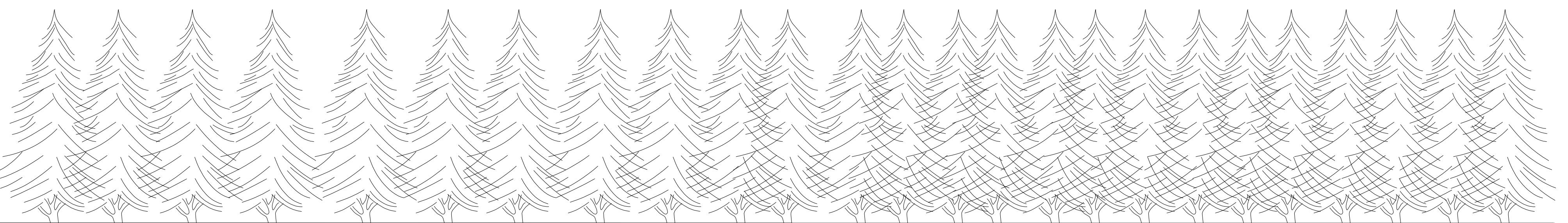
NEXTERA ENERGY TRANSMISSION NEW YORK, INC  
EMPIRE STATE LINE, LLC  
STRUCTURE LIST - 345KV

PREPARED: J. D. JOCHAM  
REVIEWED: K. V. PARIKH  
APPROVED: K. V. PARIKH  
REVISION: B  
6/22/2020

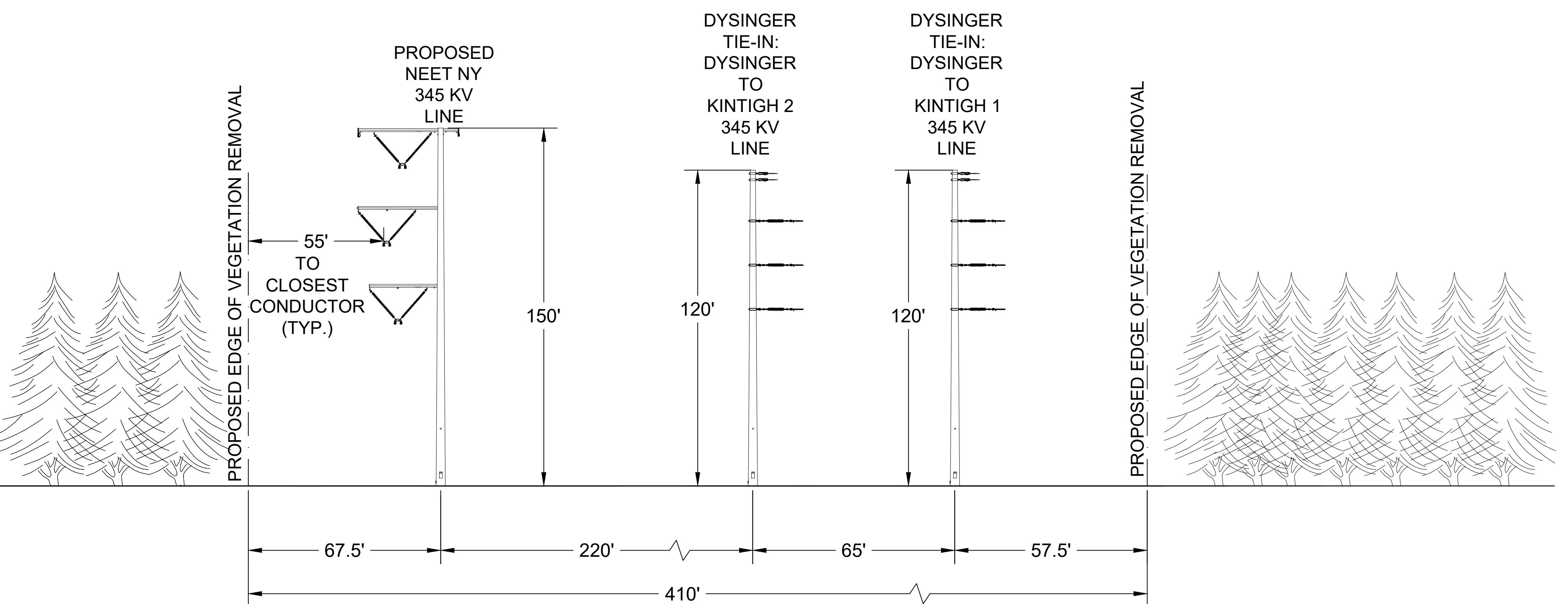
152	TANGENT (0°-1°)	150	0.0	729.4	764.5	1149047.843	1035915.957	776.756	-78.58051373	42.84316214	
153	TANGENT (0°-1°)	115	0.0	512.4	729.4	1149095.618	1035188.141	838.887	-78.58033568	42.84116508	
154	TANGENT (0°-1°)	130	0.0	538.8	512.4	1149129.179	1034676.858	842.410	-78.58021061	42.83976217	
155	DEADEND (0°-15°)	130	2.3	324.4	538.8	1149164.469	1034139.234	842.602	-78.58007911	42.83828697	SPLICE BOX LOCATION
EAST STOLLE TAKE-OFF	TAKE-OFF	BY OTHERS	BY OTHERS	BY OTHERS	BY OTHERS	BY OTHERS					
ES-S1 TAKE-OFF	TAKE-OFF	BY OTHERS	BY OTHERS	BY OTHERS	BY OTHERS	BY OTHERS					
ES-S-1	NYSEG TE-S3NP (TYPE SPDB)	125	-88.6	264.7	187.6	1149176.480	1033162.481	842.110	-78.58003447	42.83560685	
ES-S-2	NYSEG TE-S3NP (TYPE SPDB)	125	82.2	609.5	264.7	1149441.139	1033160.697	837.730	-78.57904774	42.83560192	
ES-S-3	NYSEG TE-S3NP (TYPE SPDB)	125	92.9	657.2	609.5	1149519.859	1032556.299	839.177	-78.57875437	42.83394349	
STOLLE RD TAKE-OFF	TAKE-OFF	BY OTHERS	BY OTHERS	BY OTHERS	BY OTHERS	BY OTHERS					
D-S2-1	NYSEG TE-S3JP	125	91.2	521.8	0.0	1153804.269	1133291.520	595.937	-78.56268892	43.11034347	
D-S2-2	NYSEG TE-S3JP	120	-85.7	215.0	521.8	1154310.711	1133417.073	597.040	-78.56079220	43.11068760	
D-S1 TAKE-OFF	TAKE-OFF	BY OTHERS	BY OTHERS	BY OTHERS	BY OTHERS	BY OTHERS					
D-S1-1	NYSEG TE-S3NP (TYPE SPDB)	120	75.8	592.8	331.9	1153542.144	1133335.266	593.424	-78.56367053	43.11046367	
D-S1-2	NYSEG TE-S3JP	85	-86.7	134.0	592.8	1154119.628	1133469.325	598.092	-78.56150775	43.11083110	
MN1&2-DC_TAKE-OFF	TAKE-OFF	BY OTHERS	BY OTHERS	BY OTHERS	BY OTHERS	BY OTHERS					
MN1&2-D-4	NYPA DOUBLE CIRCUIT DEADEND	140	3.9	419.5	142.9	1153544.848	1132380.606	595.836	-78.56366124	43.10784429	
MN1&2-D-3	NYPA DOUBLE CIRCUIT TANGENT (0°-1°)	150	-2.2	616.6	419.5	1153503.409	1131963.118	596.104	-78.56381679	43.10669882	
MN1&2-D-2	NYPA DOUBLE CIRCUIT TANGENT (0°-1°)	150	0.0	512.2	616.6	1153465.924	1131347.676	596.345	-78.56395769	43.10501021	
MN2-D-1	NYPA TAP DEADEND (75°-105°)	130	0.0	597.5	512.2	1153424.108	1130990.099	596.481	-78.56411459	43.10402912	
MN1-D-1	NYPA TAP DEADEND (75°-105°)	130	0.0	651.1	597.5	1153454.772	1130835.608	596.957	-78.56399989	43.10360521	
R2-TAKE-OFF	TAKE-OFF	BY OTHERS	BY OTHERS	BY OTHERS	BY OTHERS	BY OTHERS					
R1&2-D-4	NYPA DOUBLE CIRCUIT DEADEND	140	9.8	424.9	151.5	1153714.070	1132375.826	595.839	-78.56302755	43.10783107	
R1&2-D-3	NYPA DOUBLE CIRCUIT TANGENT (0°-1°)	150	-2.6	617.3	424.9	1153672.408	1131952.995	595.694	-78.56318394	43.10667094	
R1&2-D-2	NYPA DOUBLE CIRCUIT TANGENT (0°-1°)	150	0.0	527.1	617.3	1153640.210	1131336.546	596.349	-78.56330507	43.10497956	
R1-D-1	NYPA TAP DEADEND (75°-105°)	130	0.0	662.4	527.1	1153640.359	1130955.957	596.420	-78.56330485	43.10393531	
R2-D-1	NYPA TAP DEADEND (75°-105°)	130	0.0	748.9	662.4	1153592.764	1130811.587	597.044	-78.56348320	43.10353922	
R1-TAKE-OFF	TAKE-OFF	BY OTHERS	BY OTHERS	BY OTHERS	BY OTHERS	BY OTHERS					
ES-H-2	NYSEG TE-S3NP (TYPE SPDB)	125	-141.5	264.4	0.0	1149508.767	1033213.447	840.575	-78.57879559	42.83574665	
ES-H-1	NYSEG TE-S3NP (TYPE SPDB)	125	89.2	133.4	264.4	1149244.426	1033215.792	840.676	-78.57978114	42.83575312	
ES-S2 TAKE-OFF	TAKE-OFF	BY OTHERS	BY OTHERS	BY OTHERS	BY OTHERS	BY OTHERS					

1 2 3 4 5 6 7 8 9 10

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

## NOTES:

1. HEIGHTS SHOWN OF 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. ROW CLEARING FOR THE PROPOSED NEXTERA T-LINE SHOULD BE LIMITED TO 90'.

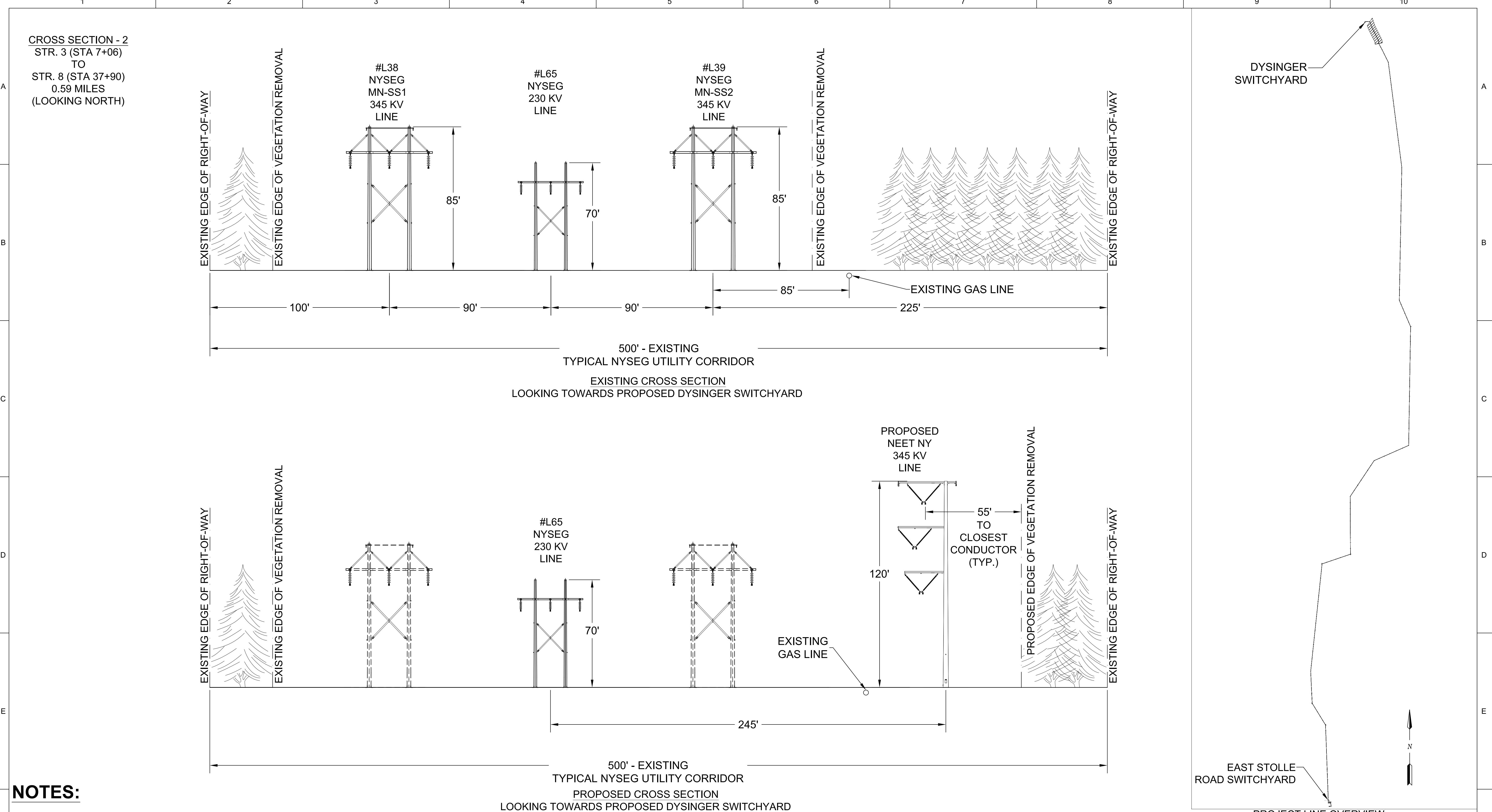
							SCALE:	
G	03/26/2020	PRELIMINARY - ISSUED FOR REVIEW	DIV	JDJ	KVP	S&L	NONE	
F	03/13/2020	PRELIMINARY - ISSUED FOR REVIEW	DIV	JDJ	KVP	S&L		
E	03/10/2020	PRELIMINARY - ISSUED FOR REVIEW	DIV	JDJ	KVP	S&L		
D	07/16/2018	PRELIMINARY - ARTICLE VII	SG	JDJ	KVP	S&L		
C	06/20/2018	PRELIMINARY - ARTICLE VII	SG	JDJ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

<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>Sargent &amp; Lundy 55 EAST MONROE ST., CHICAGO, ILL.</p>	<p>NEXTERA ENERGY TRANSMISSION NEW YORK</p>	<p>NEXTERA ENERGY TRANSMISSION NEW YORK, INC EMPIRE STATE LINE CROSS SECTION - 1</p>
			13666-003-T1-0700

**PRELIMINARY**  
NOT FOR CONSTRUCTION

PROJECT LINE OVERVIEW  
NOT TO SCALE

N



### 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.
4. ROW CLEARING FOR THE PROPOSED NEXTERA T-LINE SHOULD BE LIMITED TO 90'.
5. THE PROPOSED CROSS-SECTIONS SHOWS THE STRUCTURES AS HATCHED THAT WILL DE-ENERGIZED AFTER THE EMPIRE STATE LINE PROJECT IS IN-SERVICE.

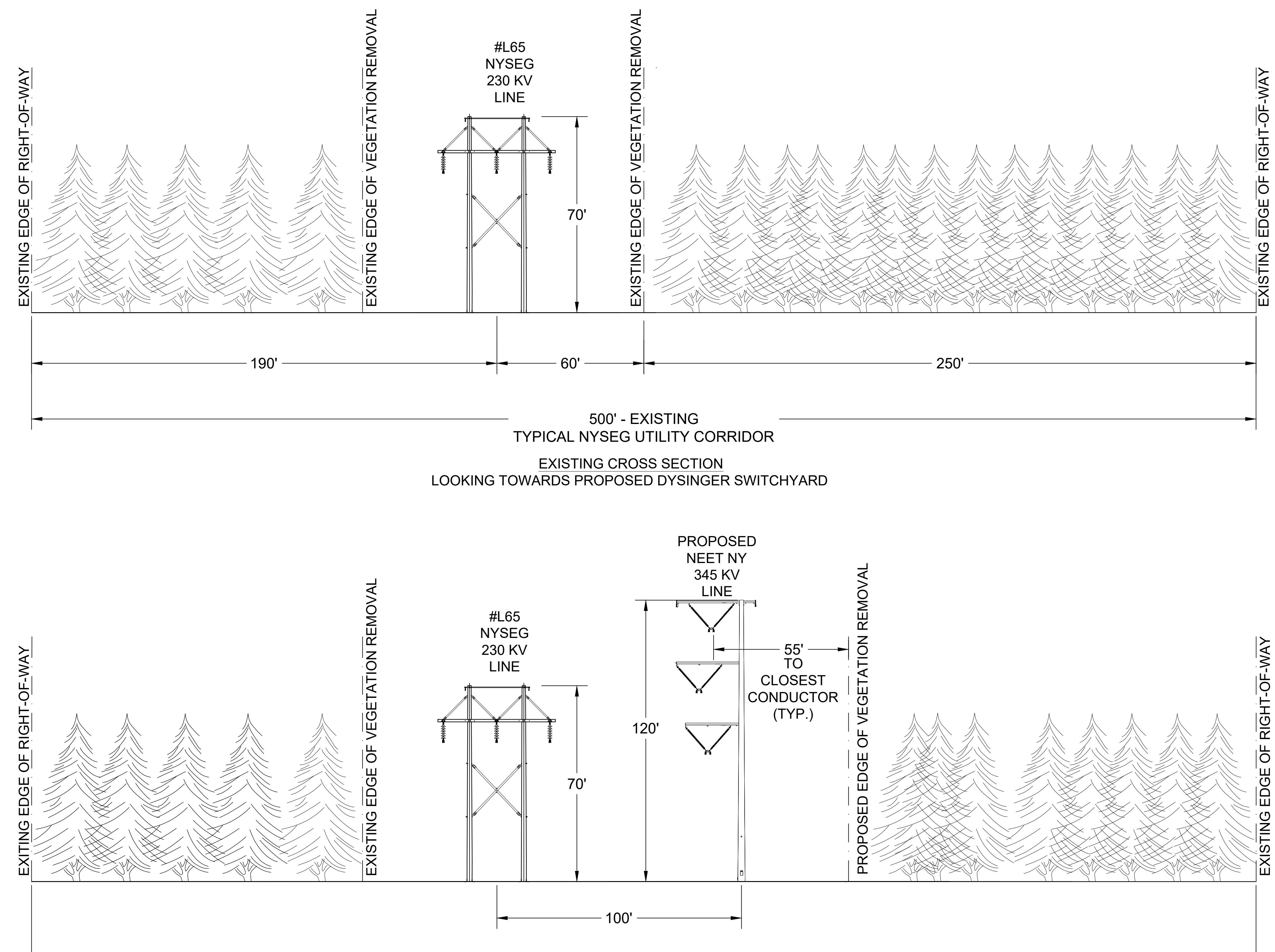
**PRELIMINARY**  
NOT FOR CONSTRUCTION

K	03/26/2020	PRELIMINARY - ISSUED FOR REVIEW	DIV	JDJ	KVP	S&L	SCALE:	NONE	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.	ANY MODIFICATION OR ADDITION TO THIS DRAWING BY ANY ORGANIZATION OTHER THAN SARGENT & LUNDY IS NOT THE RESPONSIBILITY OF SARGENT & LUNDY.							
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	PREP: NJT CHKD: JDJ										
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	APPD: KVP DATE: 03/27/2018										
E	08/02/2018	PRELIMINARY - ARTICLE VII	SG	JDJ	KVP	S&L											
D	07/16/2018	PRELIMINARY - ARTICLE VII	SG	JDJ	KVP	S&L	DRWN REVD APPR COMP APPD: KVP DATE: 03/27/2018										
C	02/20/2018	PRELIMINARY - ARTICLE VII	SG	JDJ	KVP	S&L											
NO	DATE	REVISIONS AND RECORD OF ISSUE	DRWN	REVD	APPR	COMP	APPD:	KVP	DATE: 03/27/2018								

NEXTERA ENERGY TRANSMISSION NEW YORK, INC  
EMPIRE STATE LINE  
CROSS SECTION - 2  
13666-003-T1-0701

1 2 3 4 5 6 7 8 9 10

**CROSS SECTION - 3**  
 STR. 8 (STA 37+90)  
 TO  
 STR. 60 (STA 389+37)  
 6.65 MILES  
 (LOOKING NORTH)

**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.
4. ROW CLEARING FOR THE PROPOSED NEXTERA T-LINE SHOULD BE LIMITED TO 84'.

K	03/26/2020	PRELIMINARY - ISSUED FOR REVIEW	DIV	JDJ	KVP	S&L	SCALE:	NONE	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.  ANY MODIFICATION OR ADDITION TO THIS DRAWING BY ANY ORGANIZATION OTHER THAN SARGENT & LUNDY IS NOT THE RESPONSIBILITY OF SARGENT & LUNDY.		
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	04/09/2018	PRELIMINARY - ARTICLE VII	SG	JDJ	KVP	S&L					
E	08/02/2018	PRELIMINARY - ARTICLE VII	SG	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					
NO	DATE	REVISIONS AND RECORD OF ISSUE	DRWN	REV'D	APPR	COMP	APP'D:	KVP	DATE: 03/27/2018		

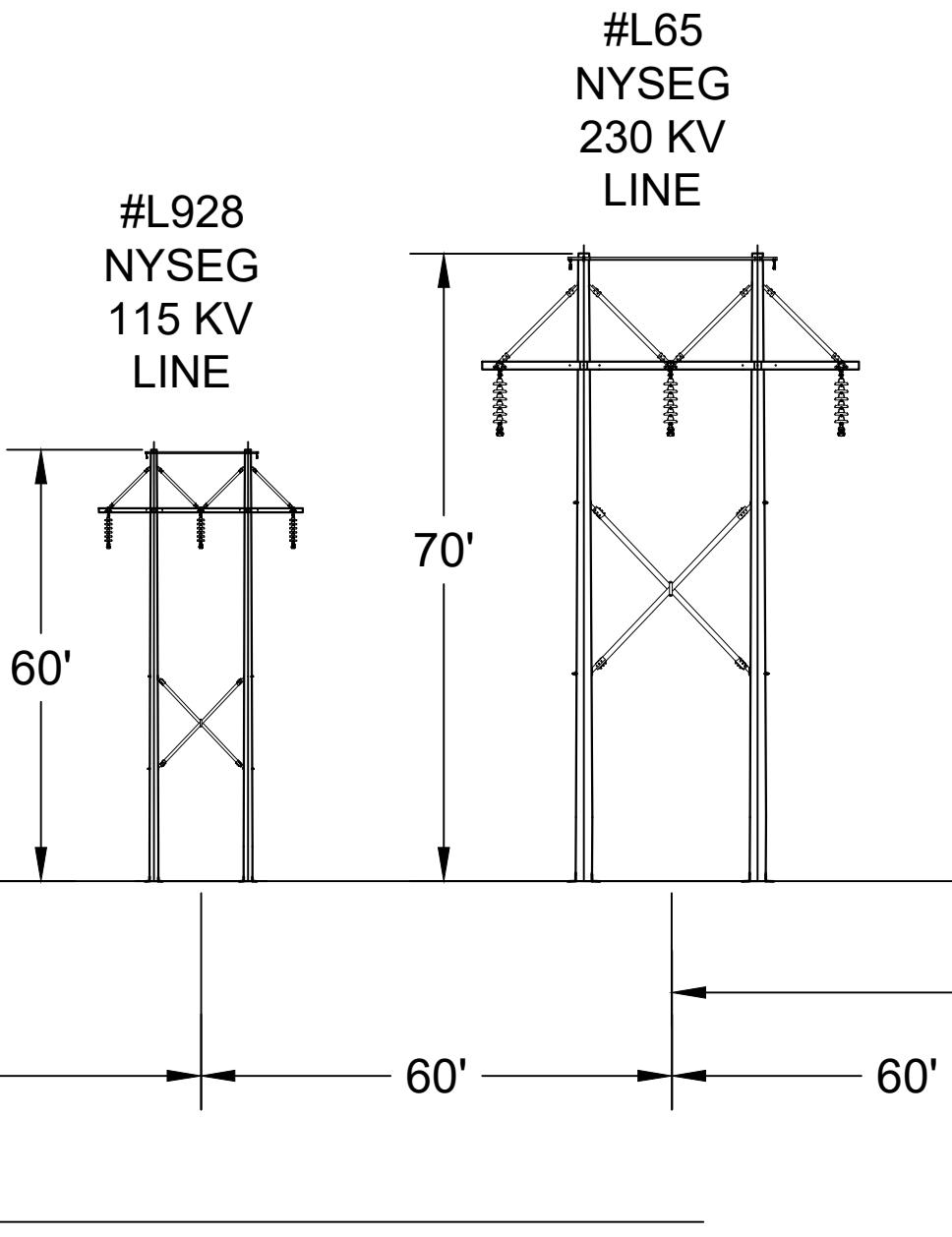
**PRELIMINARY**  
NOT FOR CONSTRUCTION

NEXTERA ENERGY TRANSMISSION NEW YORK, INC  
 EMPIRE STATE LINE  
 CROSS SECTION - 3  
 13666-003-T1-0702

CROSS SECTION - 4  
STR. 60 (STA 389+37)  
TO  
STR. 71 (STA 462+70)  
1.39 MILES  
(LOOKING NORTH)

## EXISTING EDGE OF RIGHT-OFF-WAY

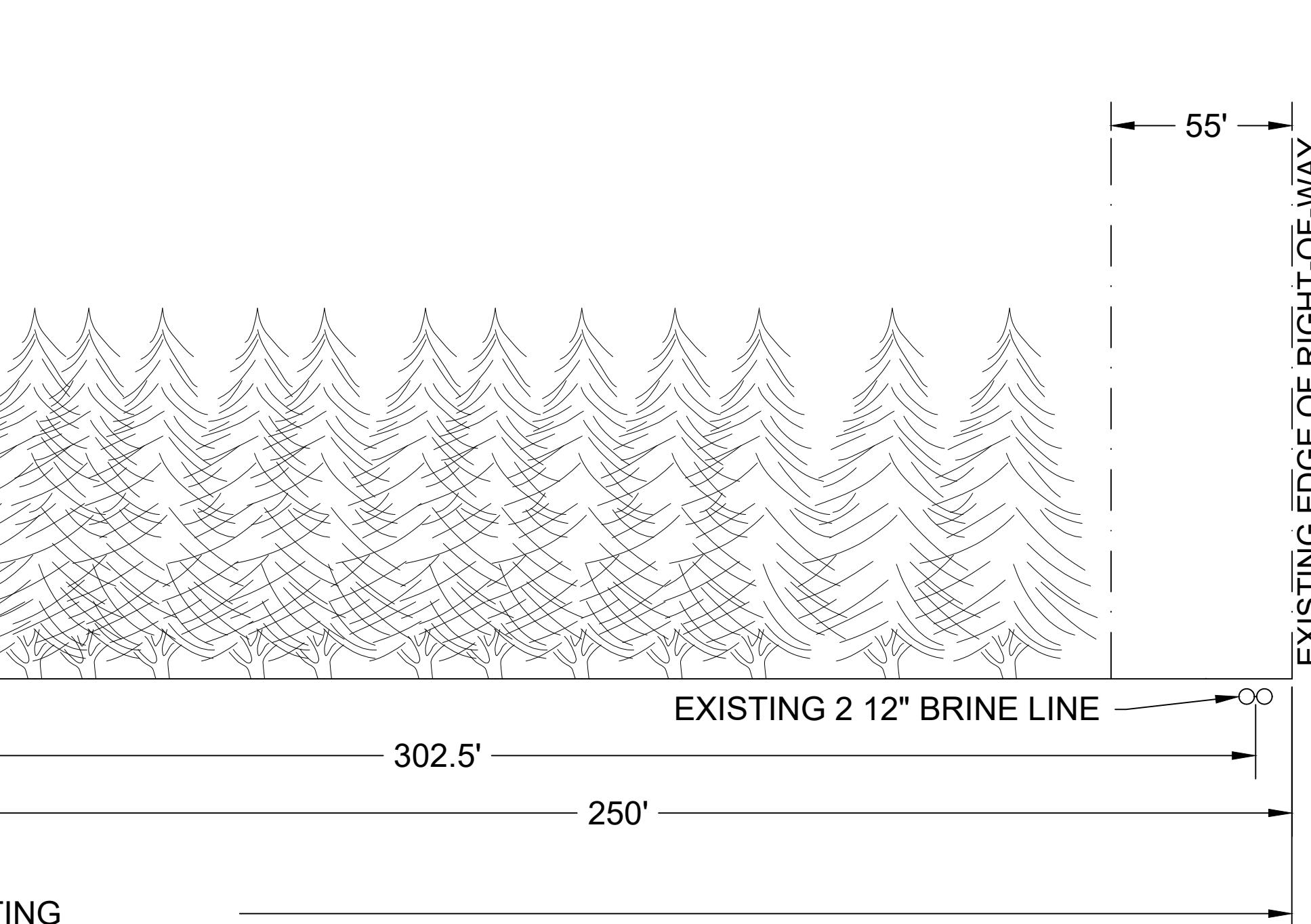
## EXISTING EDGE OF VEGETATION REMOVAL



# 500' - EXISTING TYPICAL NYSEG UTILITY CORRIDOR

# EXISTING CROSS SECTION

## LOOKING TOWARDS PROPOSED DYSINGER SWITCHYARD



**EXISTING 2 12" BRINE LINE**

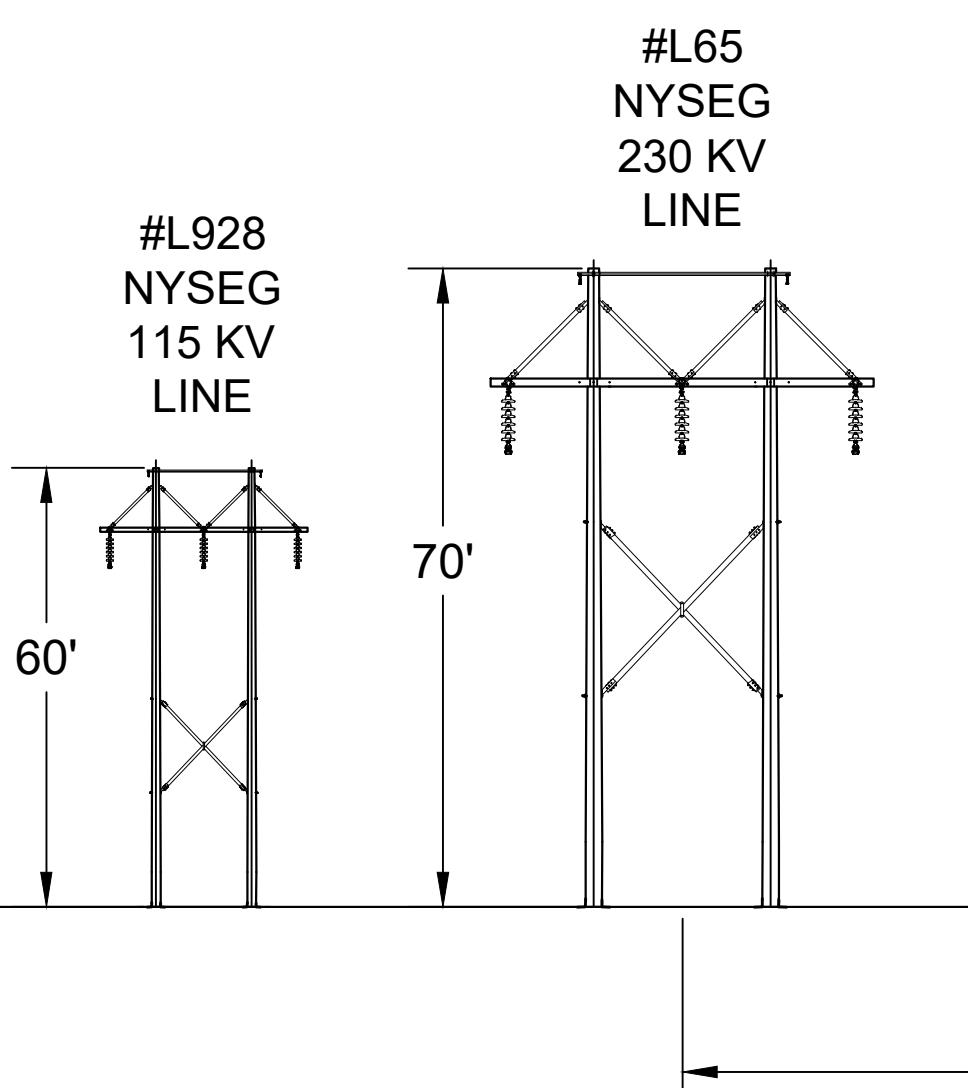


EXISTING EDGE OF NIGHT - DAY

DYSINGER  
SWITCHYARD

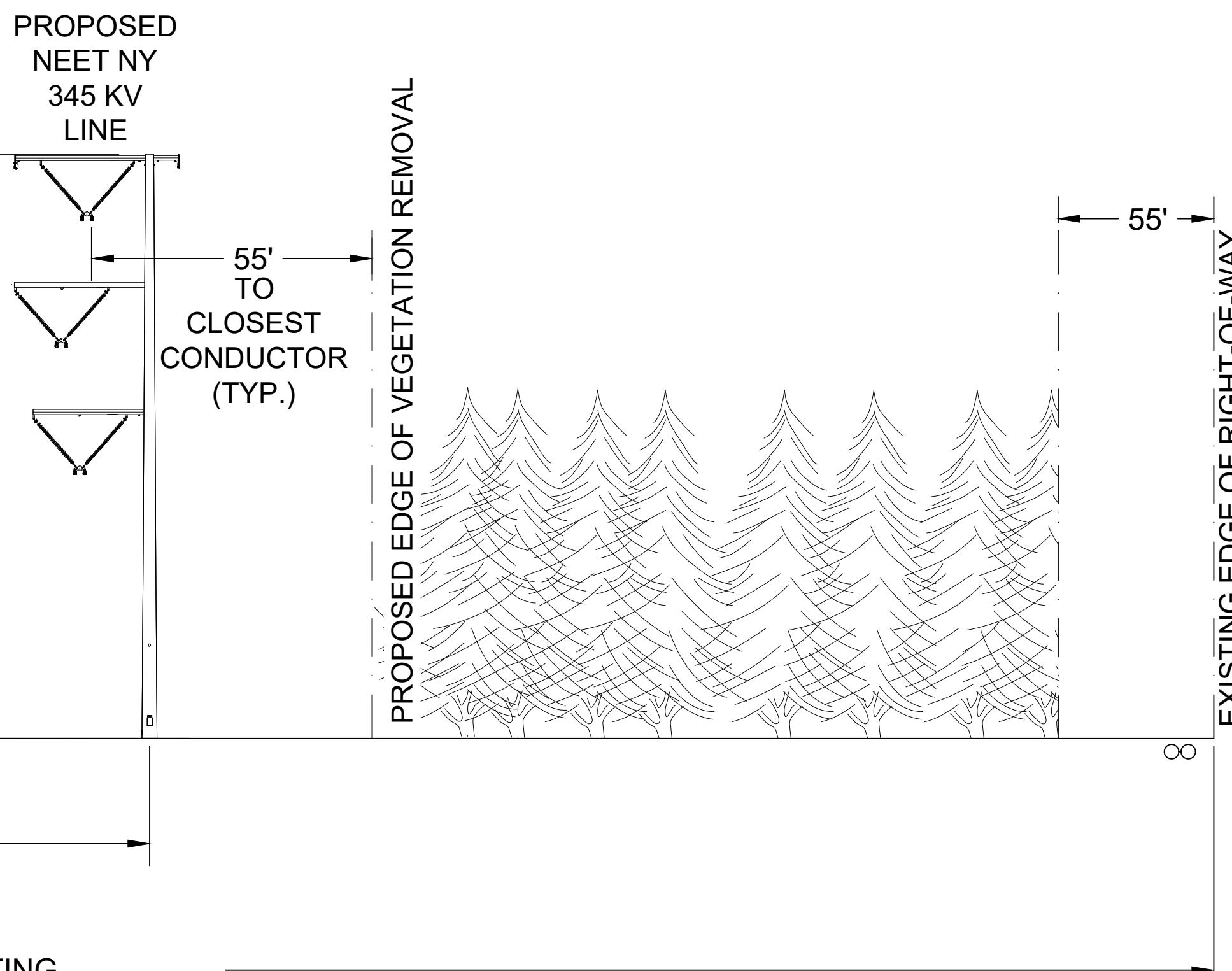
## EXISTING EDGE OF RIGHT-OF-WAY

## EXISTING EDGE OF VEGETATION REMOVAL



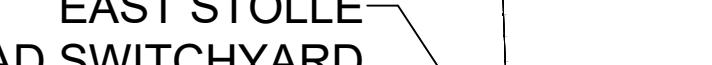
# 500' - EXISTING TYPICAL NYSEG UTILITY CORRIDOR

# PROPOSED CROSS SECTION OKING TOWARDS PROPOSED DYSINGER SWITCHYARD



LAST SIGHTING EDGE OF THE WALL

# EAST STOLLE ROAD SWITCHYARD



## PROJECT LINE OVERVIEW

## **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.
  4. ROW CLEARING FOR THE PROPOSED NEXETRA T-LINE SHOULD BE LIMITED TO 84'.

# PRELIMINARY NOT FOR CONSTRUCTION

K	03/26/2020	PRELIMINARY - ISSUED FOR REVIEW	DIV	JDJ	KVP	S&L	SCALE:  NONE  -- -- --
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	
E	08/02/2018	PRELIMINARY - ARTICLE VII	SG	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	
NO.	DATE	REVISIONS AND RECORD OF ISSUE	DRWNR	REV'D	APPR	COMP	APPD: KVP DATE: 03/27/2018

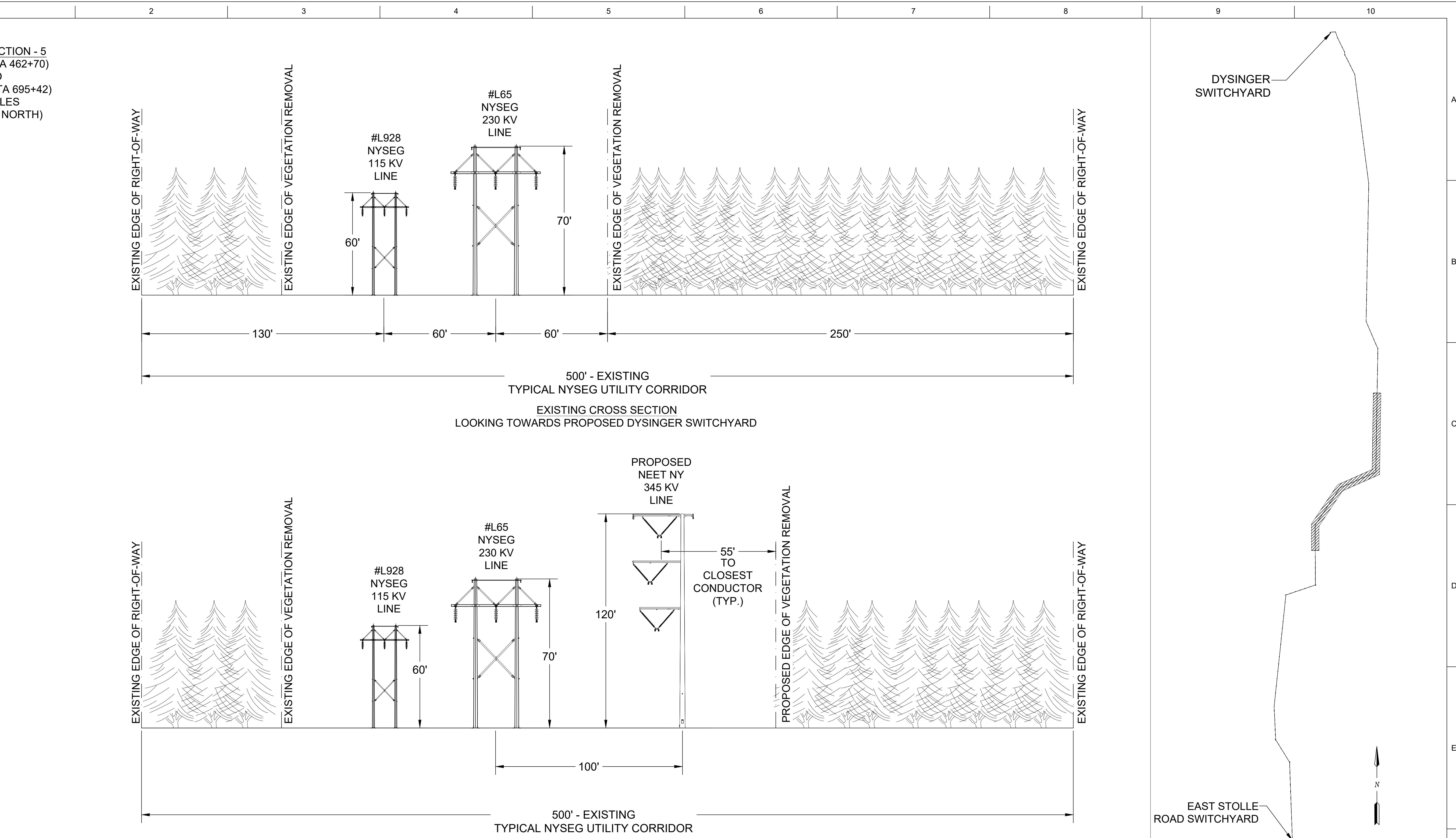
CONTRACTOR/INSTALLER SHALL TAKE ALL APPROPRIATE PRECAUTIONS TO ENSURE THE SAFETY OF ALL PEOPLE LOCATED ON THE WORK SITE; INCLUDING CONTRACTOR'S /INSTALLER'S PERSONNEL (OR THAT OF IT'S SUB-CONTRACTOR(S)) PERFORMING THE WORK

MODIFICATION OR ADDITION TO THIS  
WING BY ANY ORGANIZATION OTHER  
N SARGENT & LUNDY IS NOT THE  
PONSIBILITY OF SARGENT & LUNDY.

The logo for NextEra Energy Transmission New York. It features the word "NEXTERA" in a bold, sans-serif font above the word "ENERGY". The "Y" in "ENERGY" is stylized with a sunburst graphic. Below the main text is a thick, dark swoosh. To the left of the swoosh is the lowercase letter "dy". To the right of the swoosh, the words "TRANSMISSION NEW YORK" are written in a smaller, all-caps sans-serif font.

**NEXTERA ENERGY TRANSMISSION NEW YORK, INC**  
**EMPIRE STATE LINE**  
**CROSS SECTION - 4**

13666-003-T1-0703



**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.
4. ROW CLEARING FOR THE PROPOSED NEXTERA T-LINE SHOULD BE LIMITED TO 84'.

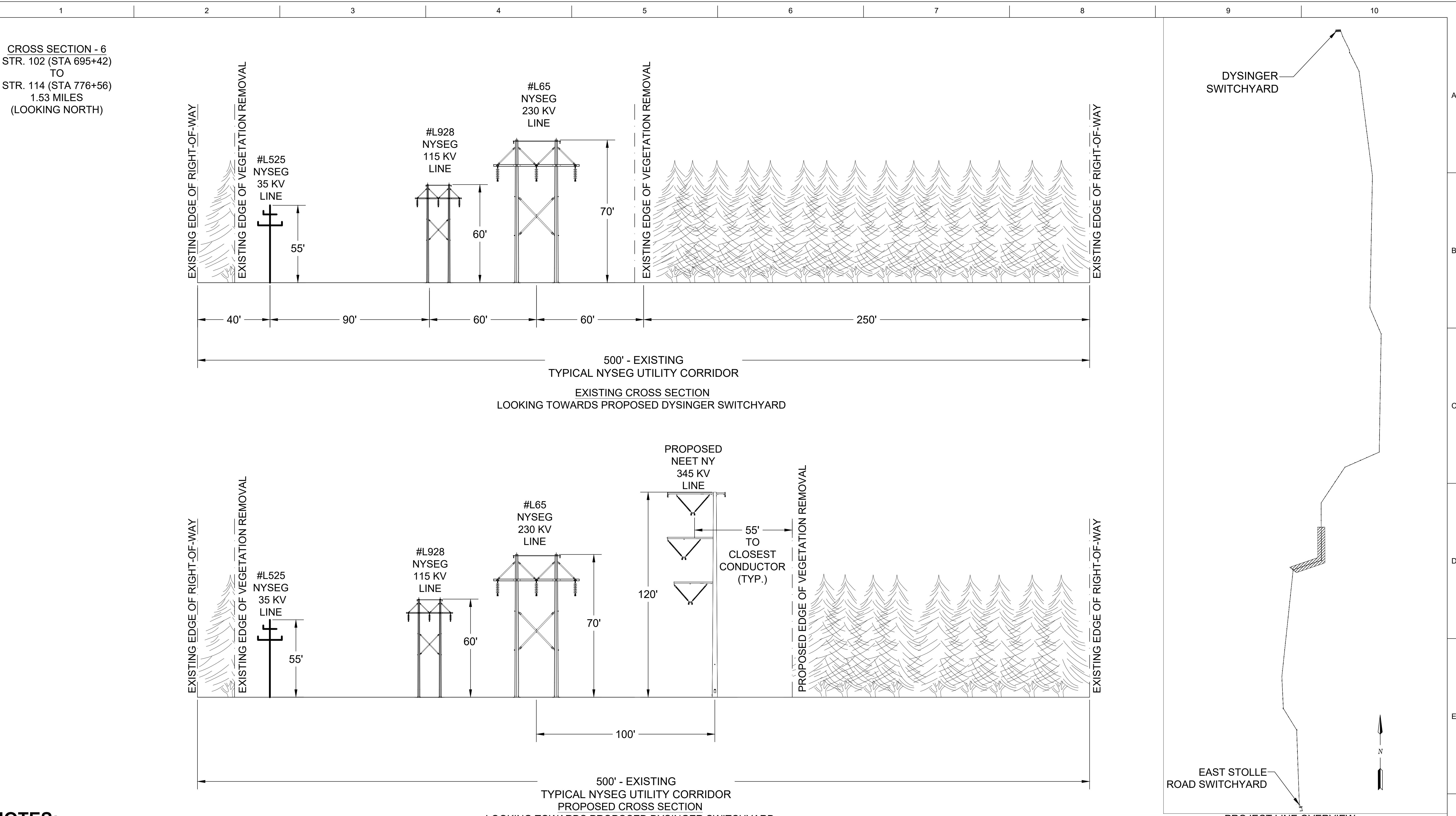
**PRELIMINARY**  
NOT FOR CONSTRUCTION

J	03/26/2020	PRELIMINARY - ISSUED FOR REVIEW	DIV	JDJ	KVP	S&L	SCALE:	NONE	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.			NEXTERA ENERGY TRANSMISSION NEW YORK, INC EMPIRE STATE LINE CROSS SECTION - 5
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						
D	08/02/2018	PRELIMINARY - ARTICLE VII	SG	JDJ	KVP	S&L						
C	06/20/2018	PRELIMINARY - ARTICLE VII	NJT	JDJ	KVP	S&L	PREP: NJT	CHKD: JDJ				
B	05/09/2018	PRELIMINARY - ARTICLE VII	NJT	JDJ	KVP	S&L	APPD: KVP	DATE: 03/27/2018				
NO	DATE	REVISIONS AND RECORD OF ISSUE	DRWN	REV'D	APPR	COMP	APPD:	KVP	DATE: 03/27/2018			

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



13666-003-T1-0704



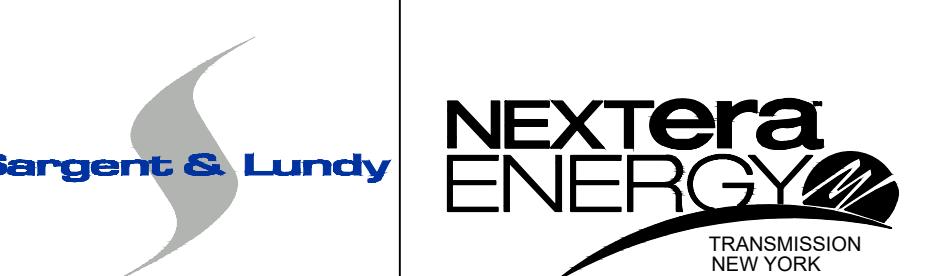
**NOTES:**

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.
4. ROW CLEARING FOR THE PROPOSED NEXTERA T-LINE SHOULD BE LIMITED TO 84'.

**PRELIMINARY**  
NOT FOR CONSTRUCTION

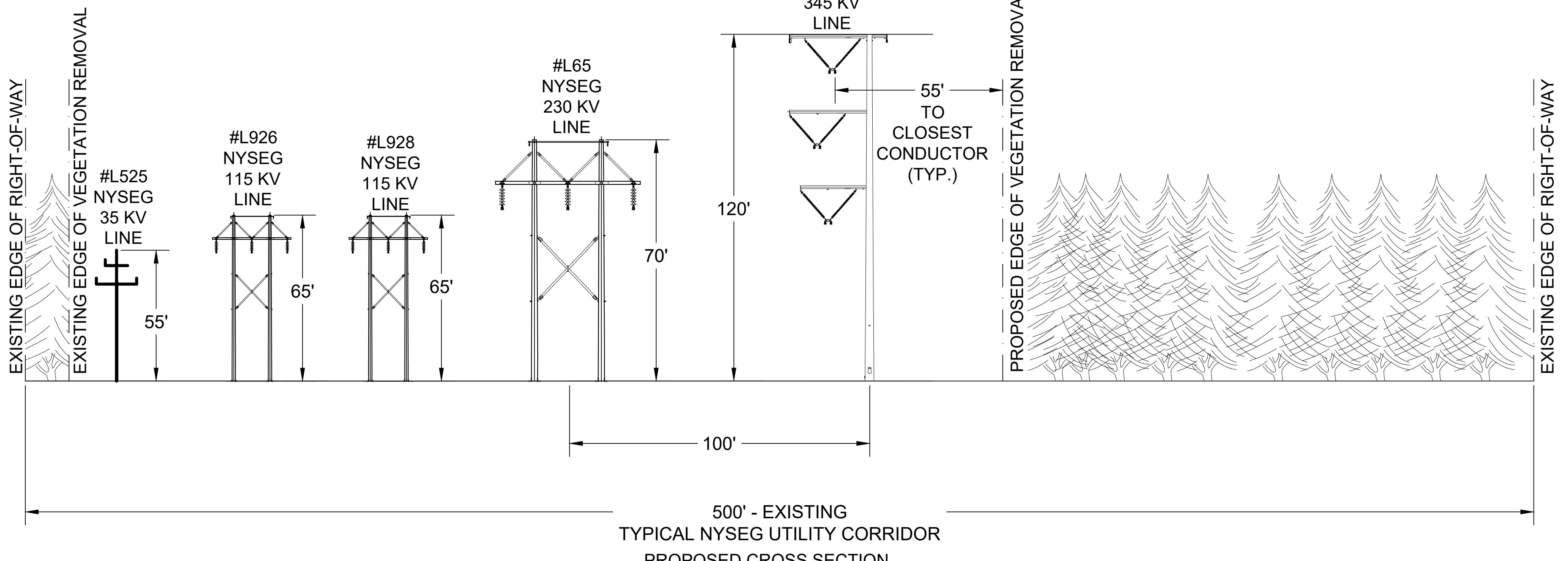
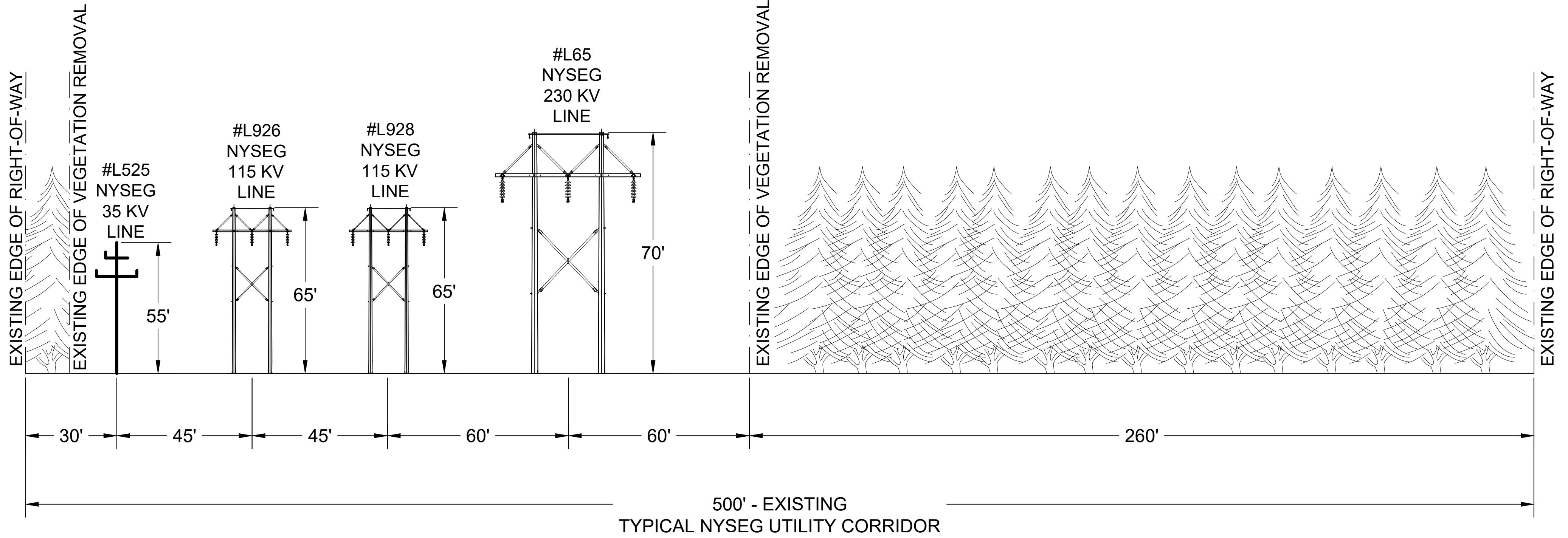
J	03/26/2020	PRELIMINARY - ISSUED FOR REVIEW	DIV	JDJ	KVP	S&L	SCALE:	NONE		CONTRACTOR/INSTALLER SHALL TAKE ALL APPROPRIATE PRECAUTIONS TO ENSURE THE SAFETY OF ALL PEOPLE LOCATED ON THE WORK SITE; INCLUDING CONTRACTOR'S /INSTALLER'S PERSONNEL (OR THAT OF ITS SUB-CONTRACTOR(S)) PERFORMING THE WORK.		
H	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						
D	07/16/2018	PRELIMINARY - ARTICLE VII	SG	JDJ	KVP	S&L						
C	06/20/2018	PRELIMINARY - ARTICLE VII	SG	JDJ	KVP	S&L						
B	05/09/2018	PRELIMINARY - ARTICLE VII	NJT	JDJ	KVP	S&L	PREP: NJT	CHKD: JDJ				
NO	DATE	REVISIONS AND RECORD OF ISSUE	DRWN	REV'D	APPR	COMP	APP'D:	KVP	DATE: 03/27/2018			

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  
13666-003-T1-0705

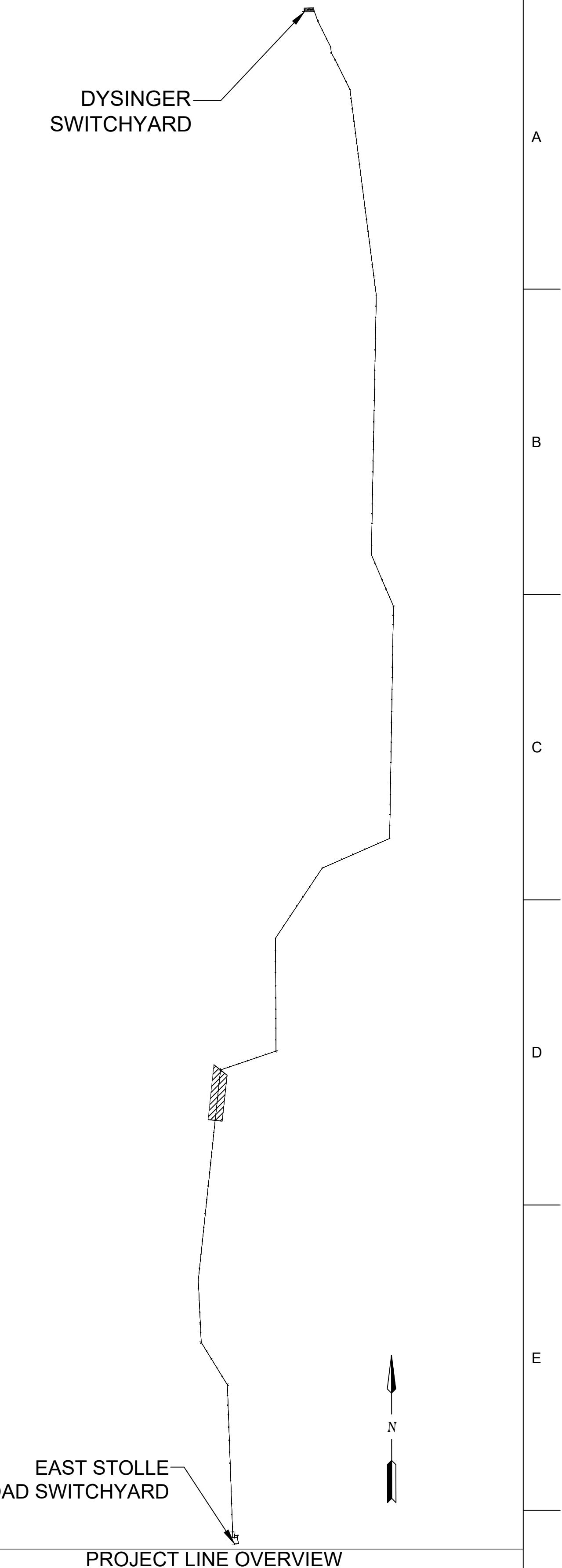
CROSS SECTION - 7  
STR. 114 (STA 776+56)  
TO  
STR. 118 (STA 809+84)  
0.63 MILES  
(LOOKING NORTH)



## NOTES:

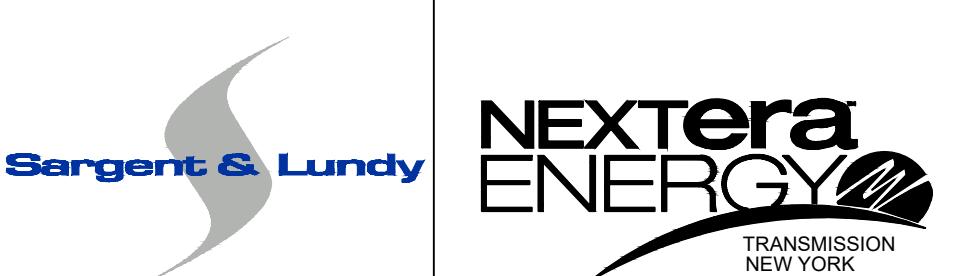
1. HEIGHTS SHOWN OF EXISTING AND NEW STRUCTURES ARE TYPICAL, HEIGHTS MAY VARY ALONG RIGHT-OF-WAY.
2. ALL DIMENSIONS ARE PRELIMINARY AND SUBJECT TO CHANGE DURING DETAIL DESIGN.
3. CROSS SECTIONS ARE TYPICAL OF PROPOSED SEGMENT, VARIATIONS ALONG SEGMENT MAY OCCUR.
4. ROW CLEARING FOR THE PROPOSED NEXTERA T-LINE SHOULD BE LIMITED TO 84'.

J	03/26/2020	PRELIMINARY - ISSUED FOR REVIEW	DIV	JDJ	KVP	S&L	SCALE:	NONE	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.			NEXTERA ENERGY TRANSMISSION NEW YORK, INC EMPIRE STATE LINE CROSS SECTION - 7
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						
D	07/16/2018	PRELIMINARY - ARTICLE VII	SG	JDJ	KVP	S&L						
C	06/20/2018	PRELIMINARY - ARTICLE VII	SG	JDJ	KVP	S&L						
B	05/09/2018	PRELIMINARY - ARTICLE VII	NJT	JDJ	KVP	S&L	PREP: NJT	CHKD: JDJ				
NO	DATE	REVISIONS AND RECORD OF ISSUE	DRWN	REV'D	APPR	COMP	APPD:	KVP	DATE: 03/27/2018			

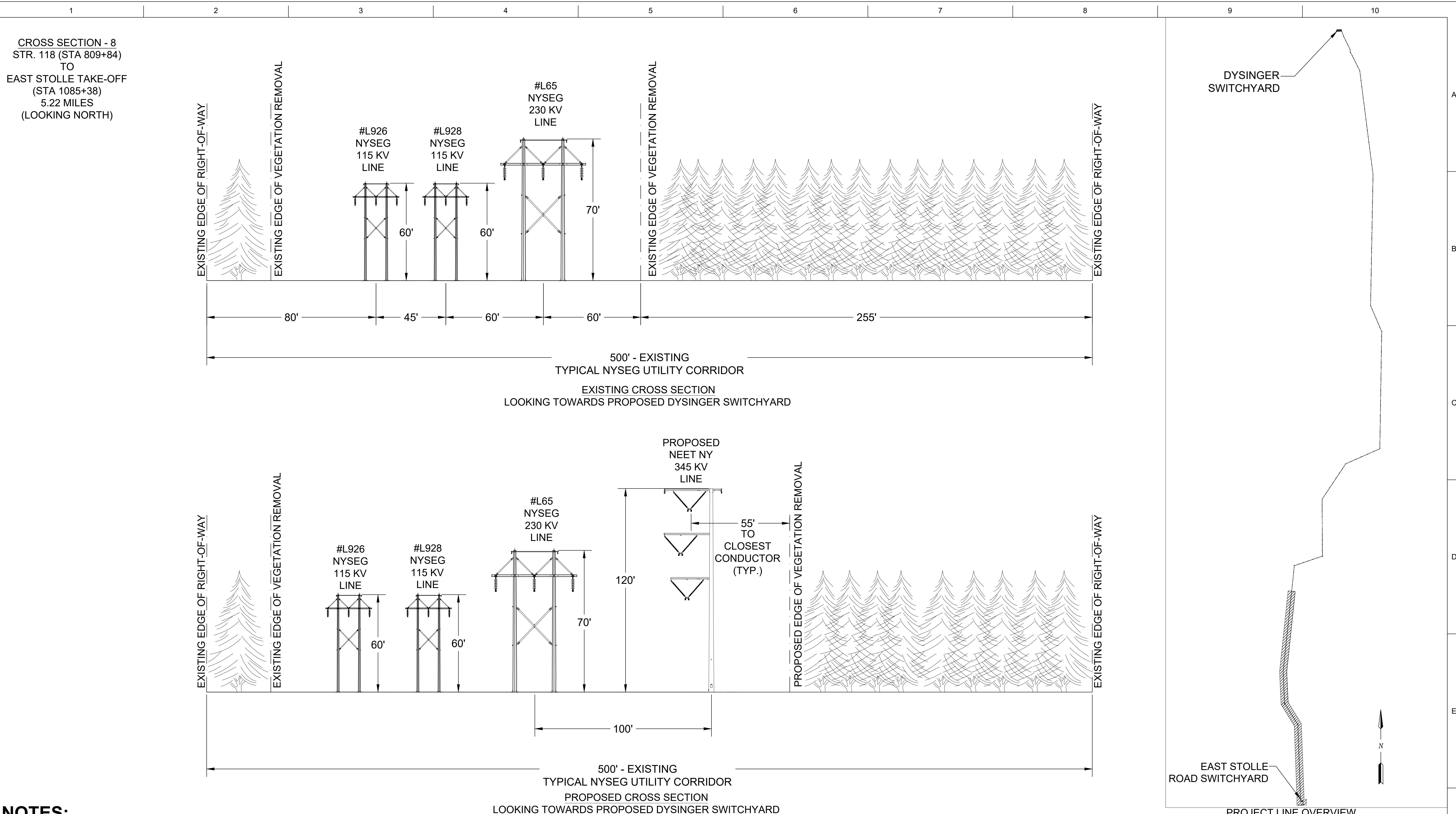


PRELIMINARY  
NOT FOR CONSTRUCTION

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



13666-003-T1-0706



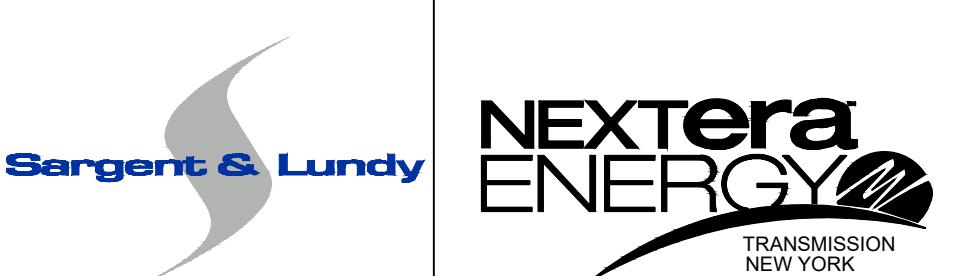
**NOTES:**

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.
4. ROW CLEARING FOR THE PROPOSED NEXTERA T-LINE SHOULD BE LIMITED TO 84'.

**PRELIMINARY**  
NOT FOR CONSTRUCTION

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

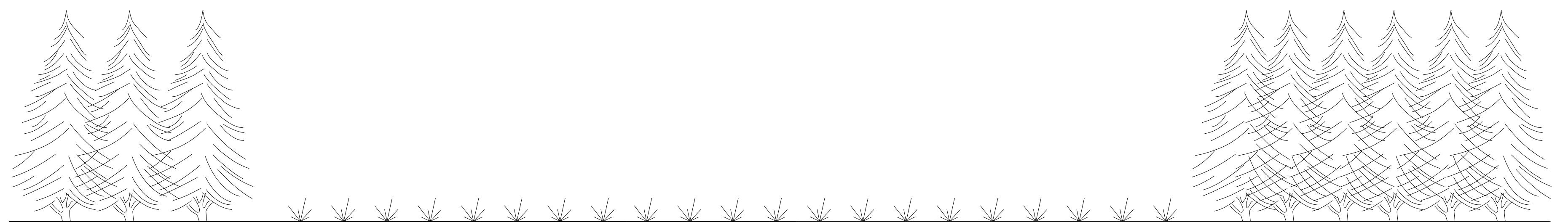
ANY MODIFICATION OR ADDITION TO THIS DRAWING BY ANY ORGANIZATION OTHER THAN SARGENT & LUNDY IS NOT THE RESPONSIBILITY OF SARGENT & LUNDY.



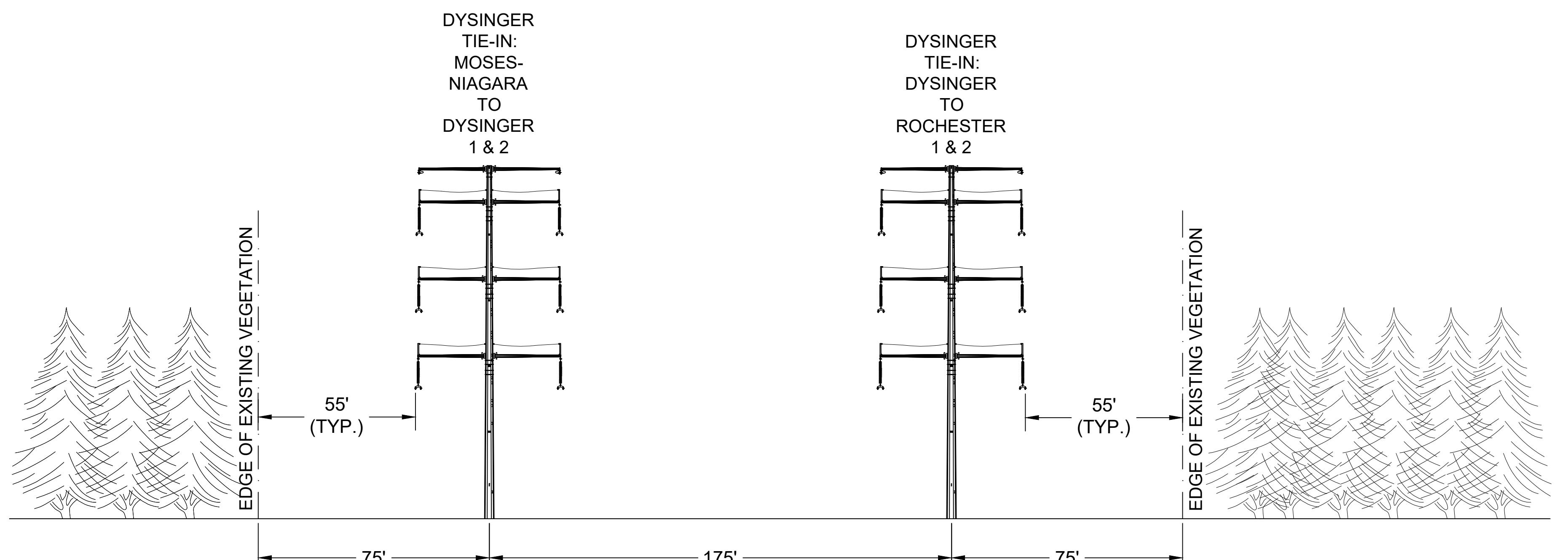
NEXTERA ENERGY TRANSMISSION NEW YORK, INC  
EMPIRE STATE LINE  
CROSS SECTION - 8  
13666-003-T1-0707

1 2 3 4 5 6 7 8 9 10

**CROSS SECTION - 9**  
NYPA TAP  
TO  
PROPOSED DYSINGER  
TAKE-OFF  
0.30 MILES  
(LOOKING NORTH)



EXISTING CROSS SECTION  
LOOKING TOWARDS PROPOSED DYSINGER SUBSTATION

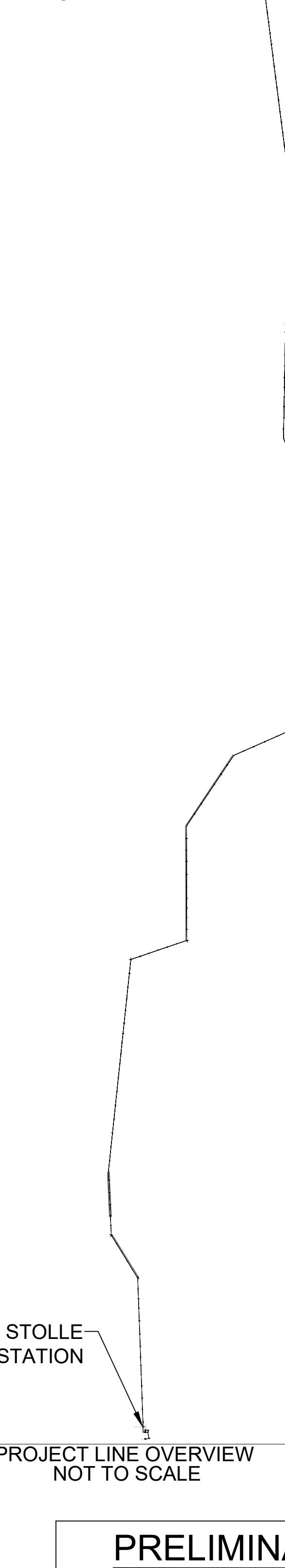


PROPOSED CROSS SECTION  
LOOKING TOWARDS PROPOSED DYSINGER SUBSTATION

**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.

DYSINGER  
SUBSTATION



**PRELIMINARY**  
NOT FOR CONSTRUCTION

-	-	-	-	-	-	-	SCALE:
-	-	-	-	-	-	-	
-	-	-	-	-	-	-	
D	3/26/2020	PRELIMINARY - ISSUED FOR REVIEW	DIV	JDJ	KVP	S&L	
C	03/13/2020	PRELIMINARY - ISSUED FOR REVIEW	DIV	JDJ	KVP	S&L	
B	03/10/2020	PRELIMINARY - ISSUED FOR REVIEW	DIV	JDJ	KVP	S&L	
A	05/09/2018	PRELIMINARY - ARTICLE VII	NJT	JDJ	KVP	S&L	PREP: NJT CHKD: JDJ
NO	DATE	REVISIONS AND RECORD OF ISSUE	DRWN	REVD	APPR	COMP	APPD: KVP DATE: 05/09/2018

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 ITS 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 NYPA/DYSINGER CROSS SECTION 13666-003-T1-0708
---	---	--	--	--

1

2

3

4

5

6

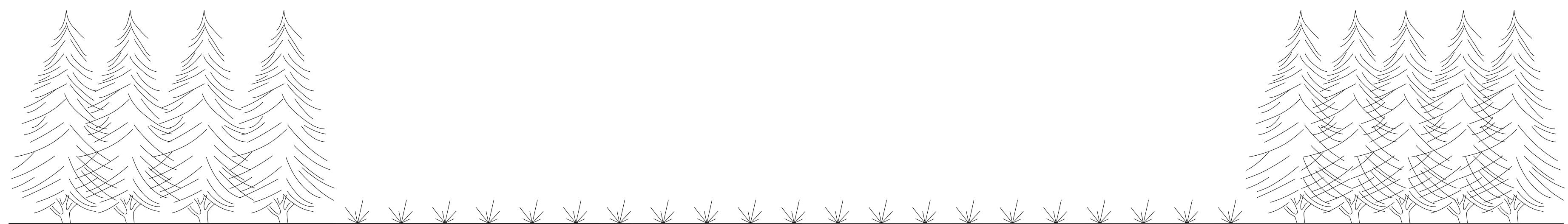
7

8

9

10

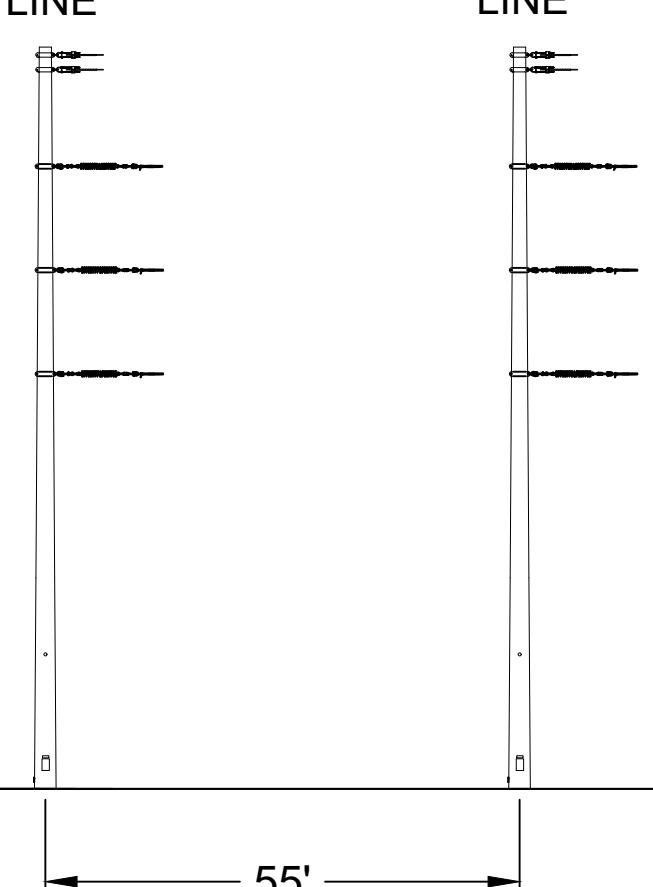
CROSS SECTION - 10  
PROPOSED EAST  
STOLLE RD  
TO  
STOLLE RD  
TAKE-OFF  
0.1 MILES  
(LOOKING NORTH)



EXISTING CROSS SECTION  
LOOKING TOWARDS PROPOSED DYSINGER SUBSTATION

EAST STOLLE  
TIE-IN:  
EAST  
STOLLE RD  
TO  
STOLLE RD  
345 KV  
LINE

EAST STOLLE  
TIE-IN:  
EAST  
STOLLE RD  
TO  
FIVE MILE  
345 KV  
LINE



PROPOSED CROSS SECTION  
LOOKING TOWARDS PROPOSED DYSINGER SUBSTATION

### 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.

						SCALE:	
--							
--							
--							
--							
C	03/13/2020	PRELIMINARY - ISSUED FOR REVIEW	DIV	JDJ	KVP	S&L	
B	03/10/2020	PRELIMINARY - ISSUED FOR REVIEW	DIV	JDJ	KVP	S&L	
A	05/09/2018	PRELIMINARY - ARTICLE VII	NJT	JDJ	KVP	S&L	PREP: NJT CHKD: JDJ
NO	DATE	REVISIONS AND RECORD OF ISSUE	DRWN	REV'D	APPR	COMP	APP'D: KVP DATE: 05/09/2018

NONE

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.

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

**Sargent & Lundy**  
55 EAST MONROE ST., CHICAGO, ILL.

**NEXTERA ENERGY**  
TRANSMISSION NEW YORK

NEXTERA ENERGY TRANSMISSION NEW YORK, INC  
EMPIRE STATE LINE  
STOLLE RD TAP CROSS-SECTION  
13666-003-T1-0709



PROJECT LINE OVERVIEW  
NOT TO SCALE