FORMER ATTACHMENT D

FLORIDA POWER & LIGHT COMPANY, P.O. BOX 14000, JUNO BEACH, FL 33408-0420

March 17, 2017

Mr. Pawan Kumar Subramanian, PhD.
Florida Department of Environmental Protection
Division of Air Resource Management
Office of Permitting and Compliance
3900 Commonwealth Blvd., Mail Stop 48
Tallahassee, FL 32399
850-245-2001

RE: **Compliance Notification for the Quarry-Sugar 500 kV Transmission line.**

Dear Mr. Subramanian,

Attached please find a copy of completed DEP forms meeting the requirements of Chapter 62-814 F.A.C., for the above referenced project. The submittal includes the following:

- EMF Notification cover letter
- Location Map
- Transmission Cross-Section Drawing
- EzEMF Report on Compliance.

The proposed start construction date for the Quarry-Sugar 500 kV transmission line is September 1, 2017.

Sincerely,

Heriberto J. Alvarez, PhD, P.E.
EMF Coordinator

TLSA EXEMPTION NOTIFICATION

Florida Power and Light Co.

Quarry-Sugar 500kV
Name of Transmission Line/Substation

Palm Beach, Broward, Dade	**68.5 mi**	**500 kV**
Counties	Length	Voltage

September, 01 2017
Anticipated Construction Start Date

EXEMPTION TYPE: per ch 403 F.S.

☐	Less than 15 miles	[403.524(d)]
☐	One County	[403.524(d)]
☐	Existing ROW	[403.524(c)]
☐	DRI Binding Letter	[403.524(b)]
☐	DRI Dev. Order	[403.524(a)]

STRUCTURE PROFILE ATTACHED ☒ Yes ☐ No

LOCATION MAP ATTACHED ☒ Yes ☐ No

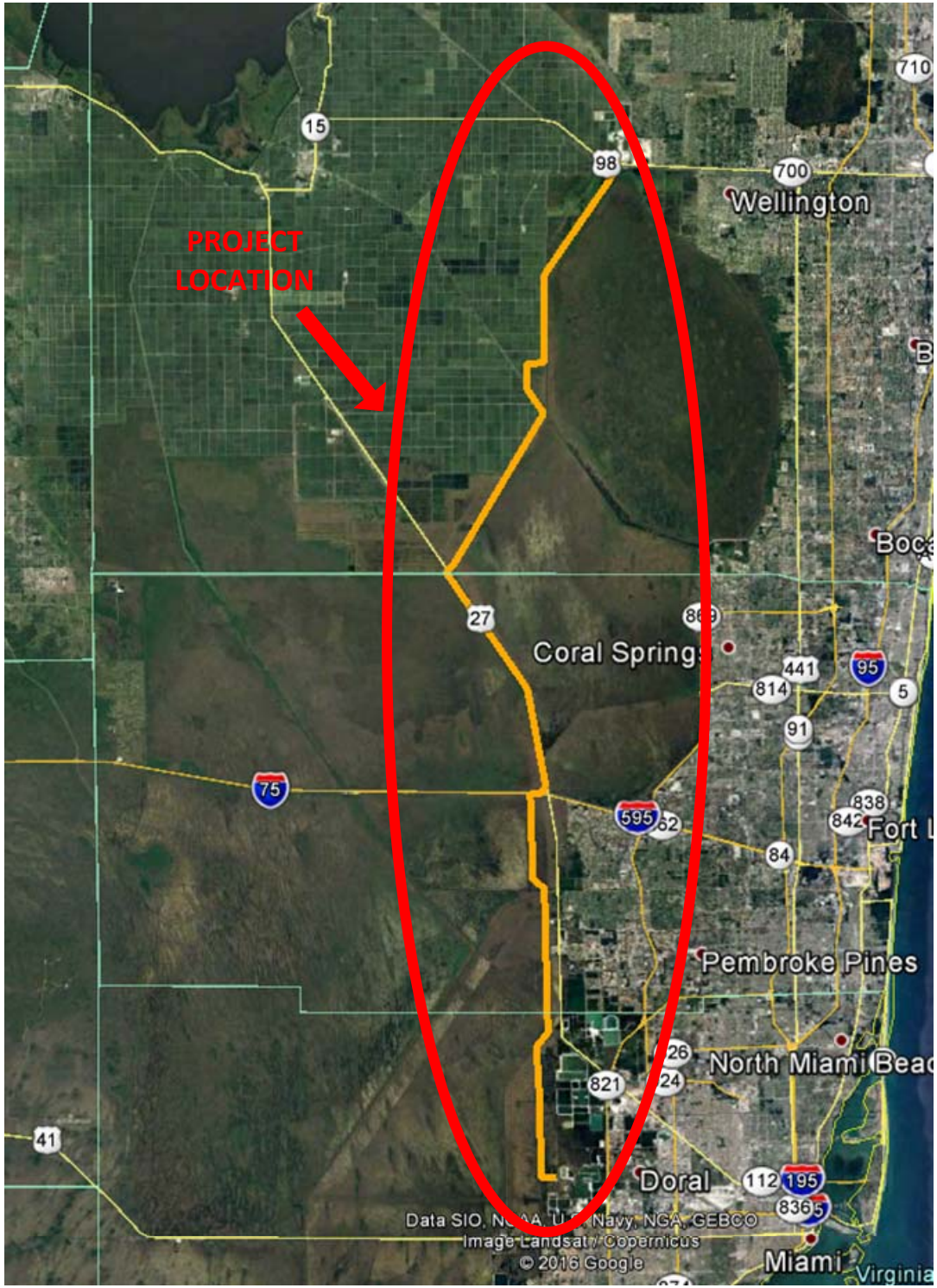
EMF NOTIFICATION:
- ☐ Previously Submitted
- ☒ Concurrently Submitted
- ☐ Other (explain)

Other Notes

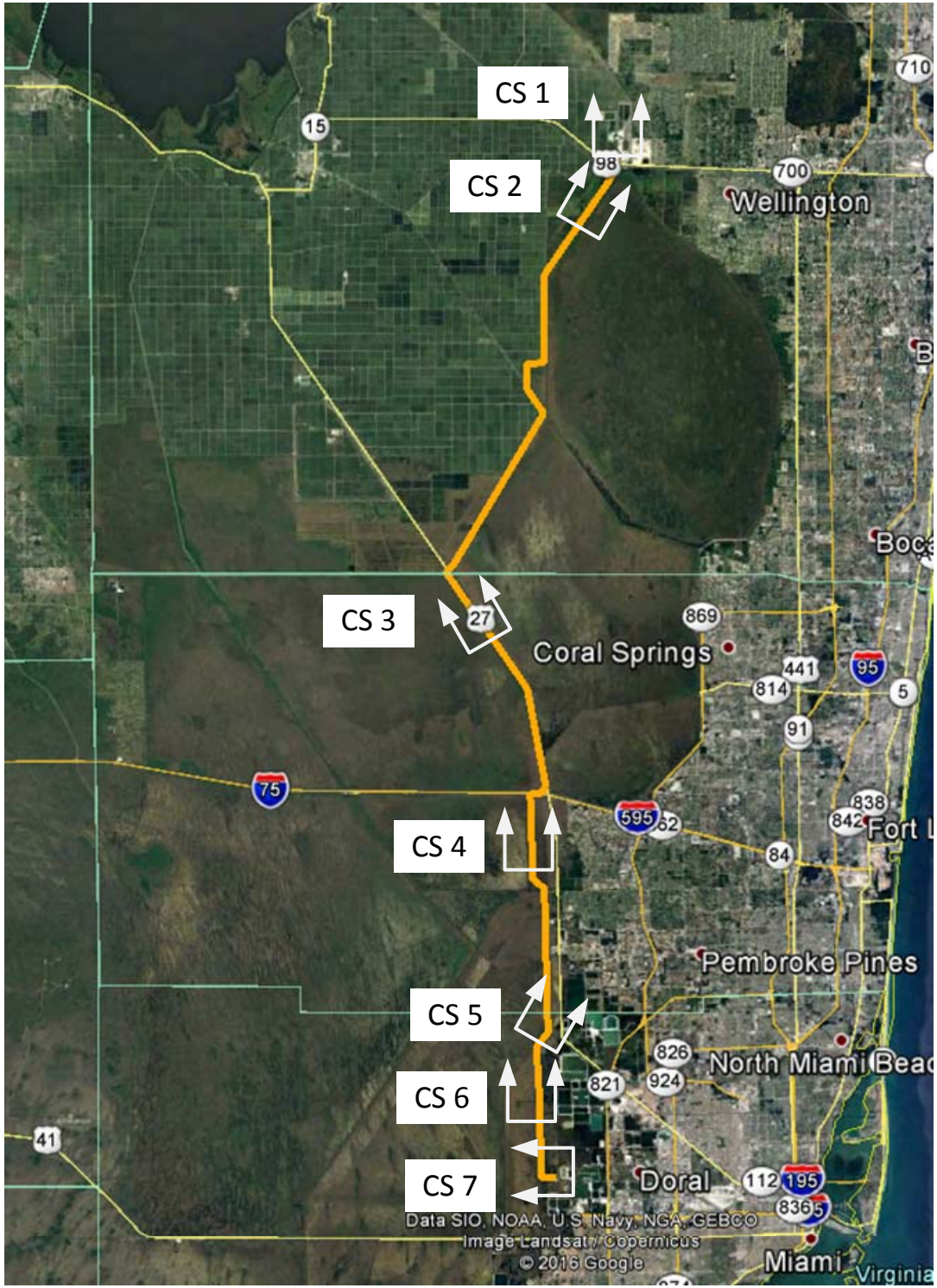
Submitted By	Phone	Date

EzEmf (v1.19)

EMF Location Sketch
Quarry-Sugar 500kV
Kori Earnhardt 3/17/17 N.T.S.



EMF Cross Section Index
Quarry-Sugar 500kV
Kori Earnhardt 3/17/17 N.T.S.



Florida Department of Environmental Protection

Twin Tower Office Bldg * 2600 Blair Stone Road * Tallahassee, Florida 32399-2400

Report on Compliance with Electric and Magnetic Field (EMF) Standards

Agent/Facility Information

Quarry-Sugar 500kV
Name of Transmission Line/InterestPoint

September 01, 2017
Date of Proposed Construction

Florida Power and Light Co.
PO Box 14000, Juno Beach, FL 33408-0420
Name and Address of Facilty (Utility) Owner

Heriberto J. Alvarez P.E.
PO Box 14000, Juno Beach, FL 33408-0420
Name and Address of Professional Engineer

Heriberto J. Alvarez P.E.
PO Box 14000, Juno Beach, FL 33408-0420
Name and Address of Authorized Agent

Signature of Authorized Agent

03/17/2017
Date

Signature and Seal of Professional Engineer

03/17/2017
Date

Field Strength Information

Transmission Lines

Cross Section	Right-of-Way (ROW) Width (ft)	Maximum Calculated Fields and Distance From ROW Left					
		Electric				**Magnetic**	
		Within ROW		At Edge of ROW		At Edge of ROW	
		(kV/m)	(ft)	(kV/m)	(ft)	(mG)	(ft)
CS 2_Proposed	1500					**192.7**	0
CS 3_Existing	1036	**11.4**	533				
CS 3_Proposed	1036			**2.9**	0		

Substations

Substation Name	Maximum Calculated Fields and Distance from Left ROW			
	Electric (kV/m)	Distance (ft)	**Magnetic** (mG)	Distance (ft)
CS 1_Existing	**2.94**	0	**187.1**	0
CS 1_Proposed	**2.94**	0	**190.5**	0
CS 7_Proposed	**1.83**	1100	**164.0**	1100

Details for CrossSection: **CS 3_Proposed- Quarry-Sugar 500kV**

QUASUG (Circuit Name) | 500 kV (Rated Voltage) | **NEW CIRCUIT** (New/Existing)

Id	Dist From Left ROW (ft)	Dist From Circuit CL (ft)	Minimum Height (ft)	SubConductors # of	SubConductors Diameter (in)	SubConductors Spacing (in)	Maximum Voltage (kV)	Angle (Degrees)	MCR (Amps)
4A1	667.70	34.00	45.00	3	1.38	18.00	550.0	0	4215
4B1	633.70	0.00	45.00	3	1.38	18.00	550.0	120	4215
4C1	599.70	-34.00	45.00	3	1.38	18.00	550.0	240	4215
4G1	661.70	28.00	99.00	1	0.38	0.00	0.0	0	0
4G2	605.70	-28.00	99.00	1	0.47	0.00	0.0	0	0

ANDORG (Circuit Name) | 500 kV (Rated Voltage) | **Existing Circuit** (New/Existing)

Id	Dist From Left ROW (ft)	Dist From Circuit CL (ft)	Minimum Height (ft)	SubConductors # of	SubConductors Diameter (in)	SubConductors Spacing (in)	Maximum Voltage (kV)	Angle (Degrees)	MCR (Amps)
1A1	117.70	34.00	31.00	3	1.22	18.00	550.0	0	3060
1B1	83.70	0.00	31.00	3	1.22	18.00	550.0	120	3060
1C1	49.70	-34.00	31.00	3	1.22	18.00	550.0	240	3060
1G1	111.70	28.00	90.00	1	0.36	0.00	0.0	0	0
1G2	55.70	-28.00	90.00	1	0.36	0.00	0.0	0	0

ANDMAR (Circuit Name) | 500 kV (Rated Voltage) | **Existing Circuit** (New/Existing)

Id	Dist From Left ROW (ft)	Dist From Circuit CL (ft)	Minimum Height (ft)	SubConductors # of	SubConductors Diameter (in)	SubConductors Spacing (in)	Maximum Voltage (kV)	Angle (Degrees)	MCR (Amps)
2A1	392.70	34.00	31.00	3	1.22	18.00	550.0	0	3060
2B1	358.70	0.00	31.00	3	1.22	18.00	550.0	120	3060
2C1	324.70	-34.00	31.00	3	1.22	18.00	550.0	240	3060
2G1	386.70	28.00	90.00	1	0.36	0.00	0.0	0	0
2G2	330.70	-28.00	90.00	1	0.47	0.00	0.0	0	0

ANDCOR (Circuit Name) | 500 kV (Rated Voltage) | **Existing Circuit** (New/Existing)

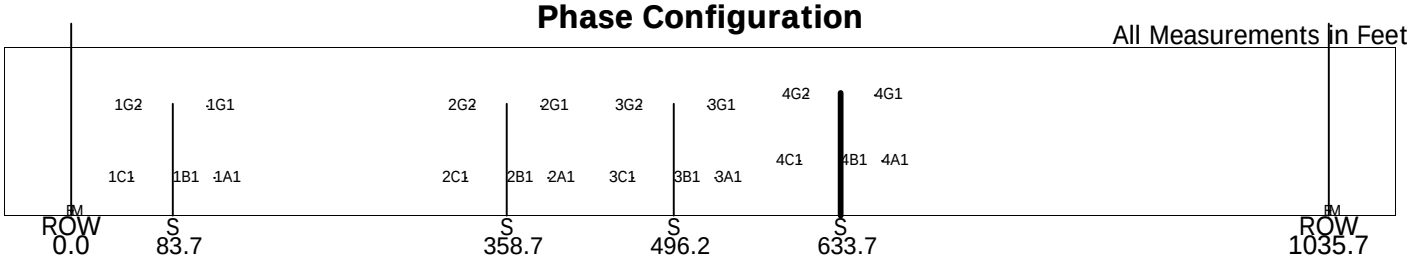
Id	Dist From Left ROW (ft)	Dist From Circuit CL (ft)	Minimum Height (ft)	SubConductors # of	SubConductors Diameter (in)	SubConductors Spacing (in)	Maximum Voltage (kV)	Angle (Degrees)	MCR (Amps)
3A1	530.20	34.00	31.00	3	1.22	18.00	550.0	0	3060
3B1	496.20	0.00	31.00	3	1.22	18.00	550.0	120	3060
3C1	462.20	-34.00	31.00	3	1.22	18.00	550.0	240	3060
3G1	524.20	28.00	90.00	1	0.36	0.00	0.0	0	0
3G2	468.20	-28.00	90.00	1	0.36	0.00	0.0	0	0

Points of Interest

None

Phase Configuration

All Measurements in Feet



Details for CrossSection: **CS 3_Existing- Quarry-Sugar 500kV**

ANDORG (Circuit Name) | 500 kV (Rated Voltage) | **Existing Circuit** (New/Existing)

Id	Dist From Left ROW (ft)	Dist From Circuit CL (ft)	Minimum Height (ft)	SubConductors # of	SubConductors Diameter (in)	SubConductors Spacing (in)	Maximum Voltage (kV)	Angle (Degrees)	MCR (Amps)
1A1	117.70	34.00	31.00	3	1.22	18.00	550.0	0	3060
1B1	83.70	0.00	31.00	3	1.22	18.00	550.0	120	3060
1C1	49.70	-34.00	31.00	3	1.22	18.00	550.0	240	3060
1G1	111.70	28.00	90.00	1	0.36	0.00	0.0	0	0
1G2	55.70	-28.00	90.00	1	0.36	0.00	0.0	0	0

ANDMAR (Circuit Name) | 500 kV (Rated Voltage) | **Existing Circuit** (New/Existing)

Id	Dist From Left ROW (ft)	Dist From Circuit CL (ft)	Minimum Height (ft)	SubConductors # of	SubConductors Diameter (in)	SubConductors Spacing (in)	Maximum Voltage (kV)	Angle (Degrees)	MCR (Amps)
2A1	392.70	34.00	31.00	3	1.22	18.00	550.0	0	3060
2B1	358.70	0.00	31.00	3	1.22	18.00	550.0	120	3060
2C1	324.70	-34.00	31.00	3	1.22	18.00	550.0	240	3060
2G1	386.70	28.00	90.00	1	0.36	0.00	0.0	0	0
2G2	330.70	-28.00	90.00	1	0.47	0.00	0.0	0	0

ANDCOR (Circuit Name) | 500 kV (Rated Voltage) | **Existing Circuit** (New/Existing)

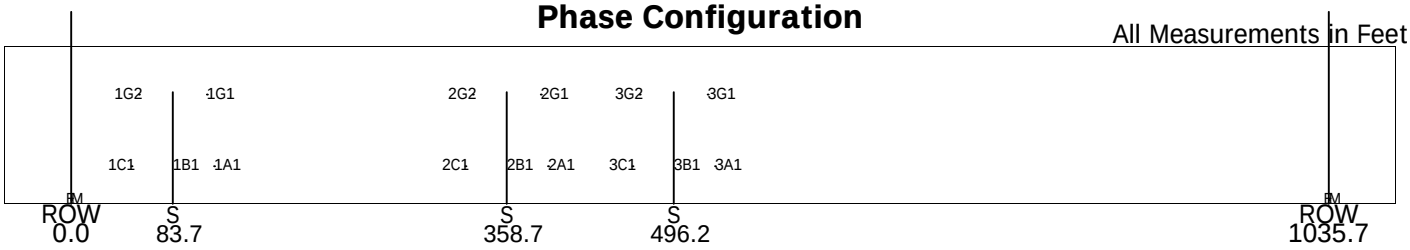
Id	Dist From Left ROW (ft)	Dist From Circuit CL (ft)	Minimum Height (ft)	SubConductors # of	SubConductors Diameter (in)	SubConductors Spacing (in)	Maximum Voltage (kV)	Angle (Degrees)	MCR (Amps)
3A1	530.20	34.00	31.00	3	1.22	18.00	550.0	0	3060
3B1	496.20	0.00	31.00	3	1.22	18.00	550.0	120	3060
3C1	462.20	-34.00	31.00	3	1.22	18.00	550.0	240	3060
3G1	524.20	28.00	90.00	1	0.36	0.00	0.0	0	0
3G2	468.20	-28.00	90.00	1	0.36	0.00	0.0	0	0

Points of Interest

None

Phase Configuration

All Measurements in Feet



Details for CrossSection: **CS 2_Proposed- Quarry-Sugar 500kV**

QUASUG	500 kV	**NEW CIRCUIT**
Circuit Name	Rated Voltage	New/Existing

Id	Dist From Left ROW (ft)	Dist From Circuit CL (ft)	Minimum Height (ft)	SubConductors # of	SubConductors Diameter (in)	SubConductors Spacing (in)	Maximum Voltage (kV)	Angle (Degrees)	MCR (Amps)
3A1	422.00	34.00	40.00	3	1.38	18.00	550.0	0	4215
3B1	388.00	0.00	40.00	3	1.38	18.00	550.0	120	4215
3C1	354.00	-34.00	40.00	3	1.38	18.00	550.0	240	4215
3G1	416.00	28.00	94.00	1	0.38	0.00	0.0	0	0
3G2	360.00	-28.00	94.00	1	0.47	0.00	0.0	0	0

ANDMAR	500 kV	**Existing Circuit**
Circuit Name	Rated Voltage	New/Existing

Id	Dist From Left ROW (ft)	Dist From Circuit CL (ft)	Minimum Height (ft)	SubConductors # of	SubConductors Diameter (in)	SubConductors Spacing (in)	Maximum Voltage (kV)	Angle (Degrees)	MCR (Amps)
1A1	120.00	34.00	31.00	3	1.22	18.00	550.0	0	3060
1B1	86.00	0.00	31.00	3	1.22	18.00	550.0	120	3060
1C1	52.00	-34.00	31.00	3	1.22	18.00	550.0	240	3060
1G1	114.00	28.00	90.00	1	0.36	0.00	0.0	0	0
1G2	58.00	-28.00	90.00	1	0.36	0.00	0.0	0	0

ANDCOR	500 kV	**Existing Circuit**
Circuit Name	Rated Voltage	New/Existing

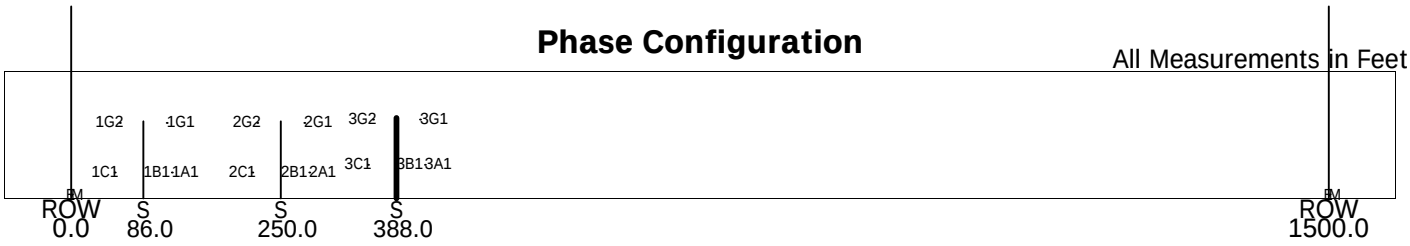
Id	Dist From Left ROW (ft)	Dist From Circuit CL (ft)	Minimum Height (ft)	SubConductors # of	SubConductors Diameter (in)	SubConductors Spacing (in)	Maximum Voltage (kV)	Angle (Degrees)	MCR (Amps)
2A1	284.00	34.00	31.00	3	1.22	18.00	550.0	0	3060
2B1	250.00	0.00	31.00	3	1.22	18.00	550.0	120	3060
2C1	216.00	-34.00	31.00	3	1.22	18.00	550.0	240	3060
2G1	278.00	28.00	90.00	1	0.36	0.00	0.0	0	0
2G2	222.00	-28.00	90.00	1	0.36	0.00	0.0	0	0

Points of Interest

None

Phase Configuration

All Measurements in Feet



Details for CrossSection: **CS 2_Existing- Quarry-Sugar 500kV**

ANDMAR (Circuit Name) | 500 kV (Rated Voltage) | **Existing Circuit** (New/Existing)

Id	Dist From Left ROW (ft)	Dist From Circuit CL (ft)	Minimum Height (ft)	SubConductors # of	SubConductors Diameter (in)	SubConductors Spacing (in)	Maximum Voltage (kV)	Angle (Degrees)	MCR (Amps)
1A1	120.00	34.00	31.00	3	1.22	18.00	550.0	0	3060
1B1	86.00	0.00	31.00	3	1.22	18.00	550.0	120	3060
1C1	52.00	-34.00	31.00	3	1.22	18.00	550.0	240	3060
1G1	114.00	28.00	90.00	1	0.36	0.00	0.0	0	0
1G2	58.00	-28.00	90.00	1	0.36	0.00	0.0	0	0

ANDCOR (Circuit Name) | 500 kV (Rated Voltage) | **Existing Circuit** (New/Existing)

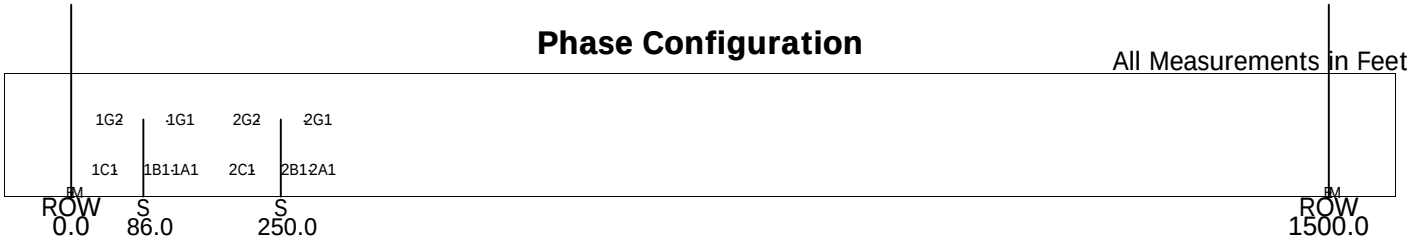
Id	Dist From Left ROW (ft)	Dist From Circuit CL (ft)	Minimum Height (ft)	SubConductors # of	SubConductors Diameter (in)	SubConductors Spacing (in)	Maximum Voltage (kV)	Angle (Degrees)	MCR (Amps)
2A1	284.00	34.00	31.00	3	1.22	18.00	550.0	0	3060
2B1	250.00	0.00	31.00	3	1.22	18.00	550.0	120	3060
2C1	216.00	-34.00	31.00	3	1.22	18.00	550.0	240	3060
2G1	278.00	28.00	90.00	1	0.36	0.00	0.0	0	0
2G2	222.00	-28.00	90.00	1	0.36	0.00	0.0	0	0

Points of Interest

None

Phase Configuration

All Measurements in Feet



Details for CrossSection: **CS 4_Proposed- Quarry-Sugar 500kV**

QUASUG	500 kV	**NEW CIRCUIT**
Circuit Name	Rated Voltage	New/Existing

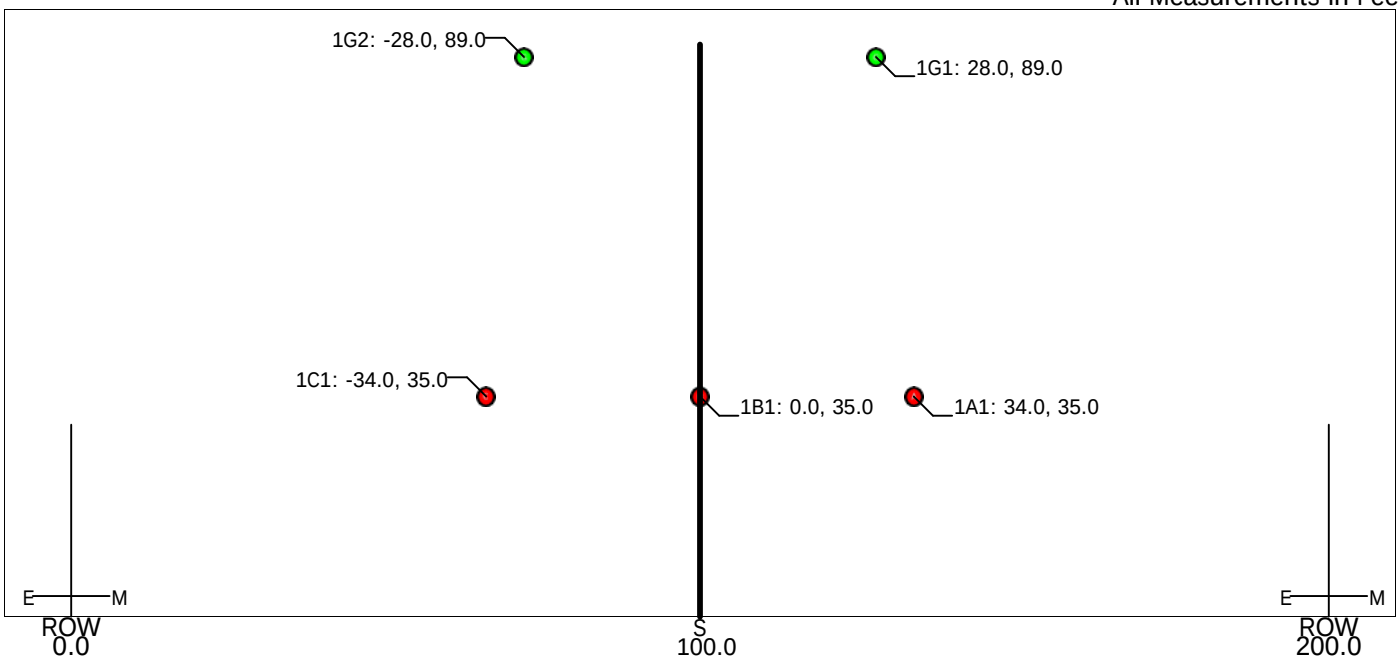
Id	Dist From Left ROW (ft)	Dist From Circuit CL (ft)	Minimum Height (ft)	SubConductors # of	SubConductors Diameter (in)	SubConductors Spacing (in)	Maximum Voltage (kV)	Angle (Degrees)	MCR (Amps)
1A1	134.00	34.00	35.00	3	1.38	18.00	550.0	0	4215
1B1	100.00	0.00	35.00	3	1.38	18.00	550.0	120	4215
1C1	66.00	-34.00	35.00	3	1.38	18.00	550.0	240	4215
1G1	128.00	28.00	89.00	1	0.38	0.00	0.0	0	0
1G2	72.00	-28.00	89.00	1	0.47	0.00	0.0	0	0

Points of Interest

None

Phase Configuration

All Measurements in Feet



Details for CrossSection: **CS 5_Proposed- Quarry-Sugar**

QUA-SUG	500 kV	**NEW CIRCUIT**
Circuit Name	Rated Voltage	New/Existing

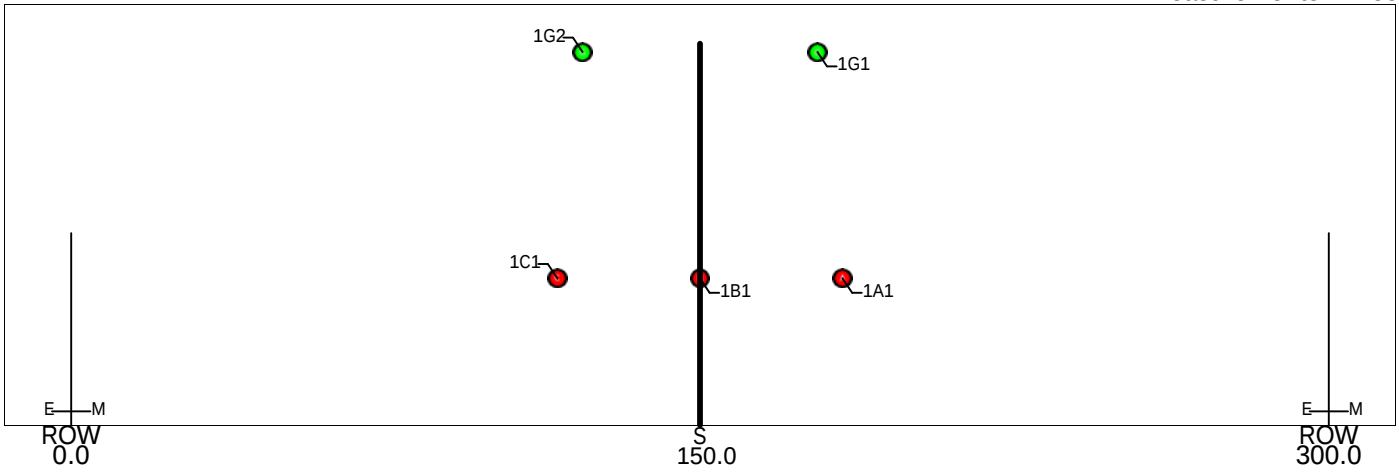
Id	Dist From Left ROW (ft)	Dist From Circuit CL (ft)	Minimum Height (ft)	SubConductors # of	SubConductors Diameter (in)	SubConductors Spacing (in)	Maximum Voltage (kV)	Angle (Degrees)	MCR (Amps)
1A1	184.00	34.00	35.00	3	1.38	18.00	550.0	0	4215
1B1	150.00	0.00	35.00	3	1.38	18.00	550.0	120	4215
1C1	116.00	-34.00	35.00	3	1.38	18.00	550.0	240	4215
1G1	178.00	28.00	89.00	1	0.38	0.00	0.0	0	0
1G2	122.00	-28.00	89.00	1	0.38	0.00	0.0	0	0

Points of Interest

None

Phase Configuration

All Measurements in Feet



Details for CrossSection: **CS 6_Proposed- Quarry-Sugar 500kV**

QUASUG	500 kV	**NEW CIRCUIT**
Circuit Name	Rated Voltage	New/Existing

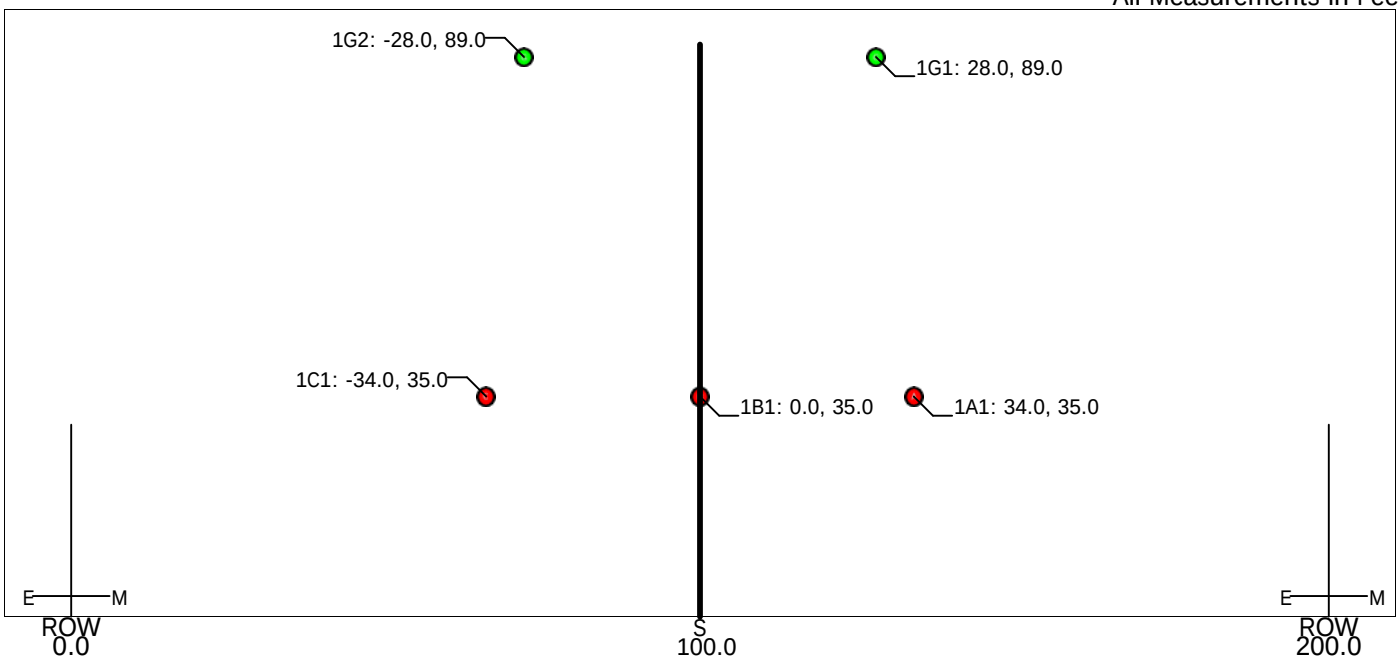
Id	Dist From Left ROW (ft)	Dist From Circuit CL (ft)	Minimum Height (ft)	SubConductors # of	SubConductors Diameter (in)	SubConductors Spacing (in)	Maximum Voltage (kV)	Angle (Degrees)	MCR (Amps)
1A1	134.00	34.00	35.00	3	1.38	18.00	550.0	0	4215
1B1	100.00	0.00	35.00	3	1.38	18.00	550.0	120	4215
1C1	66.00	-34.00	35.00	3	1.38	18.00	550.0	240	4215
1G1	128.00	28.00	89.00	1	0.38	0.00	0.0	0	0
1G2	72.00	-28.00	89.00	1	0.47	0.00	0.0	0	0

Points of Interest

None

Phase Configuration

All Measurements in Feet



Details for CrossSection: **CS 1_Existing- Sugar Sub**

ANDORG (Circuit Name) | 500 kV (Rated Voltage) | **Existing Circuit** (New/Existing)

Id	Dist From Left ROW (ft)	Dist From Circuit CL (ft)	Minimum Height (ft)	SubConductors # of	SubConductors Diameter (in)	SubConductors Spacing (in)	Maximum Voltage (kV)	Angle (Degrees)	MCR (Amps)
1A1	117.70	34.00	31.00	3	1.22	18.00	550.0	0	3060
1B1	83.70	0.00	31.00	3	1.22	18.00	550.0	120	3060
1C1	49.70	-34.00	31.00	3	1.22	18.00	550.0	240	3060
1G1	111.70	28.00	90.00	1	0.36	0.00	0.0	0	0
1G2	55.70	-28.00	90.00	1	0.36	0.00	0.0	0	0

ANDMAR (Circuit Name) | 500 kV (Rated Voltage) | **Existing Circuit** (New/Existing)

Id	Dist From Left ROW (ft)	Dist From Circuit CL (ft)	Minimum Height (ft)	SubConductors # of	SubConductors Diameter (in)	SubConductors Spacing (in)	Maximum Voltage (kV)	Angle (Degrees)	MCR (Amps)
2A1	392.70	34.00	31.00	3	1.22	18.00	550.0	0	3060
2B1	358.70	0.00	31.00	3	1.22	18.00	550.0	120	3060
2C1	324.70	-34.00	31.00	3	1.22	18.00	550.0	240	3060
2G1	386.70	28.00	90.00	1	0.36	0.00	0.0	0	0
2G2	330.70	-28.00	90.00	1	0.47	0.00	0.0	0	0

ANDCOR (Circuit Name) | 500 kV (Rated Voltage) | **Existing Circuit** (New/Existing)

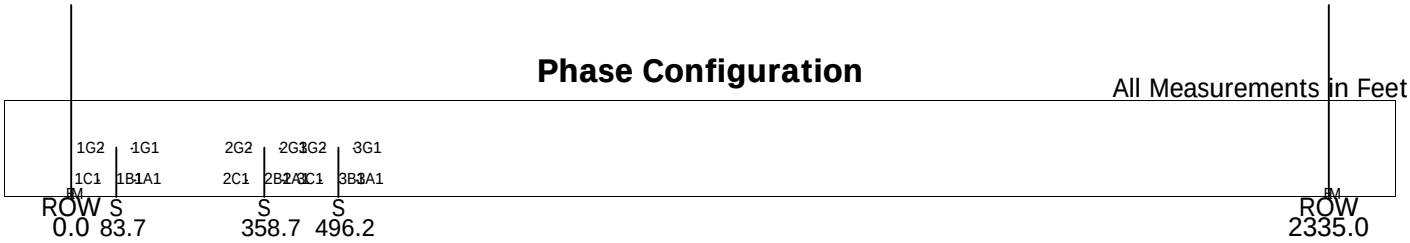
Id	Dist From Left ROW (ft)	Dist From Circuit CL (ft)	Minimum Height (ft)	SubConductors # of	SubConductors Diameter (in)	SubConductors Spacing (in)	Maximum Voltage (kV)	Angle (Degrees)	MCR (Amps)
3A1	530.20	34.00	31.00	3	1.22	18.00	550.0	0	3060
3B1	496.20	0.00	31.00	3	1.22	18.00	550.0	120	3060
3C1	462.20	-34.00	31.00	3	1.22	18.00	550.0	240	3060
3G1	524.20	28.00	90.00	1	0.36	0.00	0.0	0	0
3G2	468.20	-28.00	90.00	1	0.36	0.00	0.0	0	0

Points of Interest

None

Phase Configuration

All Measurements in Feet



Details for CrossSection: **CS 1_Proposed- Sugar Sub**

QUASUG (Circuit Name) | 500 kV (Rated Voltage) | **NEW CIRCUIT** (New/Existing)

Id	Dist From Left ROW (ft)	Dist From Circuit CL (ft)	Minimum Height (ft)	SubConductors # of	SubConductors Diameter (in)	SubConductors Spacing (in)	Maximum Voltage (kV)	Angle (Degrees)	MCR (Amps)
4A1	667.70	34.00	45.00	3	1.38	18.00	550.0	0	4215
4B1	633.70	0.00	45.00	3	1.38	18.00	550.0	120	4215
4C1	599.70	-34.00	45.00	3	1.38	18.00	550.0	240	4215
4G1	661.70	28.00	99.00	1	0.38	0.00	0.0	0	0
4G2	605.70	-28.00	99.00	1	0.47	0.00	0.0	0	0

ANDORG (Circuit Name) | 500 kV (Rated Voltage) | **Existing Circuit** (New/Existing)

Id	Dist From Left ROW (ft)	Dist From Circuit CL (ft)	Minimum Height (ft)	SubConductors # of	SubConductors Diameter (in)	SubConductors Spacing (in)	Maximum Voltage (kV)	Angle (Degrees)	MCR (Amps)
1A1	117.70	34.00	31.00	3	1.22	18.00	550.0	0	3060
1B1	83.70	0.00	31.00	3	1.22	18.00	550.0	120	3060
1C1	49.70	-34.00	31.00	3	1.22	18.00	550.0	240	3060
1G1	111.70	28.00	90.00	1	0.36	0.00	0.0	0	0
1G2	55.70	-28.00	90.00	1	0.36	0.00	0.0	0	0

ANDMAR (Circuit Name) | 500 kV (Rated Voltage) | **Existing Circuit** (New/Existing)

Id	Dist From Left ROW (ft)	Dist From Circuit CL (ft)	Minimum Height (ft)	SubConductors # of	SubConductors Diameter (in)	SubConductors Spacing (in)	Maximum Voltage (kV)	Angle (Degrees)	MCR (Amps)
2A1	392.70	34.00	31.00	3	1.22	18.00	550.0	0	3060
2B1	358.70	0.00	31.00	3	1.22	18.00	550.0	120	3060
2C1	324.70	-34.00	31.00	3	1.22	18.00	550.0	240	3060
2G1	386.70	28.00	90.00	1	0.36	0.00	0.0	0	0
2G2	330.70	-28.00	90.00	1	0.47	0.00	0.0	0	0

ANDCOR (Circuit Name) | 500 kV (Rated Voltage) | **Existing Circuit** (New/Existing)

Id	Dist From Left ROW (ft)	Dist From Circuit CL (ft)	Minimum Height (ft)	SubConductors # of	SubConductors Diameter (in)	SubConductors Spacing (in)	Maximum Voltage (kV)	Angle (Degrees)	MCR (Amps)
3A1	530.20	34.00	31.00	3	1.22	18.00	550.0	0	3060
3B1	496.20	0.00	31.00	3	1.22	18.00	550.0	120	3060
3C1	462.20	-34.00	31.00	3	1.22	18.00	550.0	240	3060
3G1	524.20	28.00	90.00	1	0.36	0.00	0.0	0	0
3G2	468.20	-28.00	90.00	1	0.36	0.00	0.0	0	0

Points of Interest

None

Phase Configuration

All Measurements in Feet

Details for CrossSection: **CS 7_Proposed- Quarry Sub**

QUA-SUG	500 kV	**NEW CIRCUIT**
Circuit Name	Rated Voltage	New/Existing

Id	Dist From Left ROW (ft)	Dist From Circuit CL (ft)	Minimum Height (ft)	SubConductors # of	SubConductors Diameter (in)	SubConductors Spacing (in)	Maximum Voltage (kV)	Angle (Degrees)	MCR (Amps)
1A1	966.00	-34.00	35.00	3	1.38	18.00	550.0	0	4215
1B1	1000.00	0.00	35.00	3	1.38	18.00	550.0	120	4215
1C1	1034.00	34.00	35.00	3	1.38	18.00	550.0	240	4215
1G1	1028.00	28.00	89.00	1	0.38	0.00	0.0	0	0
1G2	972.00	-28.00	89.00	1	0.47	0.00	0.0	0	0

Points of Interest

None

Phase Configuration

All Measurements in Feet

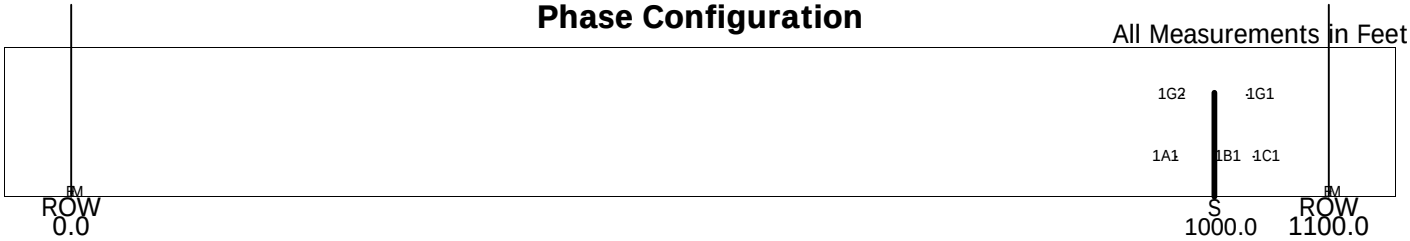


TABLE 1
MAXIMUM EMF CAPABLE OF BEING PRODUCED BY THE TRANSMISSION LINE FOR QUARRY-SUGAR 500KV

	Cross-Section Location*	Ampacity of New Line(s) (amps)	Right-of-Way Width (ft)	Electric Field (kV/m)			Magnetic Field (mG)	
				On Right-of-Way	Left Edge† of Right-of-Way	Right Edge† of Right-of-Way	Left Edge† of Right-of-Way	Right Edge† of Right-of-Way
Quarry-Sugar 500-kV								
C1	Sugar Substation property	4,215	2335	11.33	2.94	0	190.48	1.45
C2	State Road 80 to Terrytown	4,215	500	11.37	2.76	0	192.70	2.66
C3	Terrytown to I-75	4,215	660	11.33	2.94	0.05	190.48	17.97
C4	I-75 to Krome Avenue	4,215	200	9.43	1.83	1.83	164.04	164.04
C5	Krome Avenue	4,215	300	9.43	0.55	0.55	73.09	73.09
C6	Krome Avenue to Quarry Substation	4,215	200	9.43	1.83	1.83	164.04	164.04
C7	Quarry Substation property	4,215	1,100	9.43	0	1.83	1.63	164.04
Florida EMF rule limit for new 500-kV lines‡				*10.0*	*2.0*	*2.0*	*200*	*200*
Florida EMF rule limit for AND-ORA; AND-MAR, MAR-MID ROWs				*10.0*	*2.0*	*2.0*	*250*	*250*
Existing EMF for QUA-SUG ROW				*11.4*	*2.94*	*2.94*	*187.1*	*187.1*

Note: mG = milliGauss.

The field levels of the proposed transmission lines shown in this table are based on the highest fields anticipated for the 500/230-kV transmission line configurations, even though structural configurations with lower fields may be employed for some portions of the line routes. The transmission lines will generally operate at a level well under the MCR.

*Locations depicted on Cross Section Index.

†The "left" and "right" designations are as shown in EMF Cross Sections CS-1 through CS7.

‡The field limits are established in Rule 62-814.450(2), F.A.C.

Source: EzEmf software program developed through Florida Electric Power Coordinating Group and accepted by FDEP.

Revised March 17, 2017

EMF Cross Section #1 (CS 1)
Quarry-Sugar 500kV
T-17431 Phase 1: Sugar-Terrytown
Kori Earnhardt 3/17/17 N.T.S.

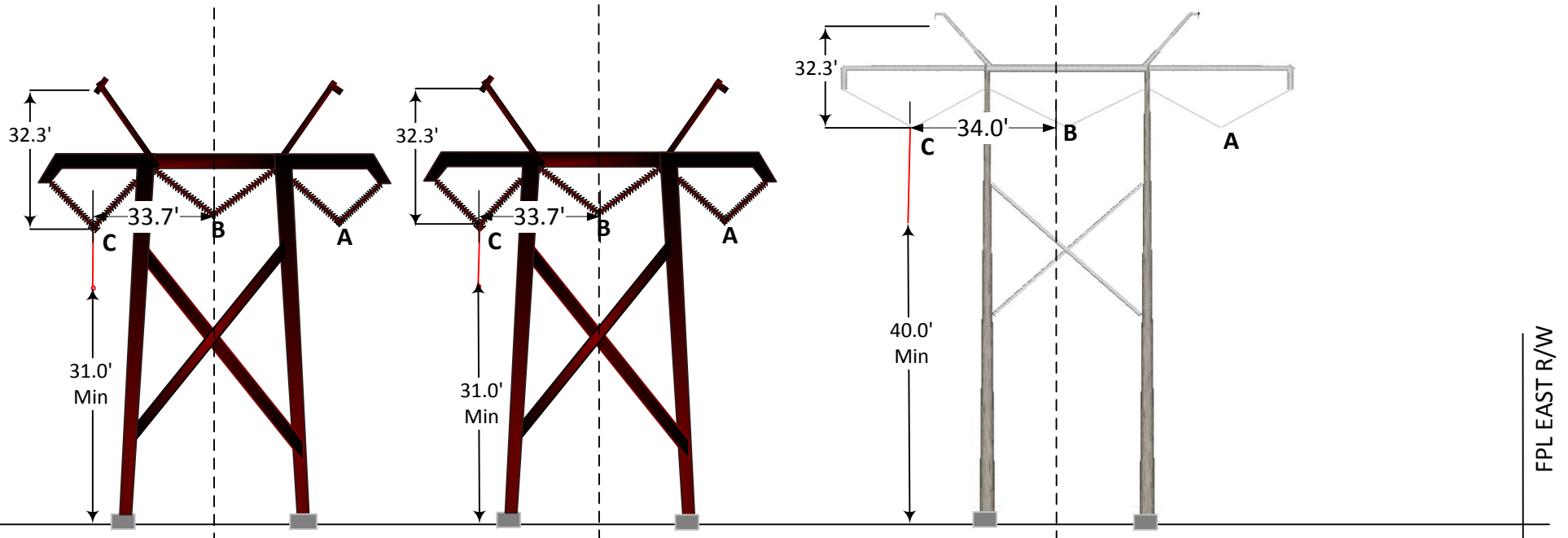
NOTE: ALL HEIGHTS ARE AT MIDSPAN AND CONDUCTOR SHOWN MAXIMUM SAG

N

EXISTING
ANDYTOWN-MARTIN 500KV
LINE
Tri-Bndl 1127 AAAC 3060
AMPS @75°C
(2) 3/8" OHGW

EXISTING
ANDYTOWN-CORBETT
500KV LINE
Tri-Bndl 1127 AAAC 3060
AMPS @75°C
(2) 3/8" OHGW

PROPOSED
QUARRY-SUGAR 500KV LINE
Tri-Bndl 1272 ACSR/AW
4215 AMPS
(1) 7#8 OHGW
(1) 0.472 OPGW



EXISTING 2335.0' WIDE R/W SUGAR SUBSTATION PROPERTY (LOOKING NORTH)

EMF Cross Section #2 (CS 2)
Quarry-Sugar 500kV
T-17431 Phase 1: Sugar-Terrytown
Kori Earnhardt 3/17/17 N.T.S.

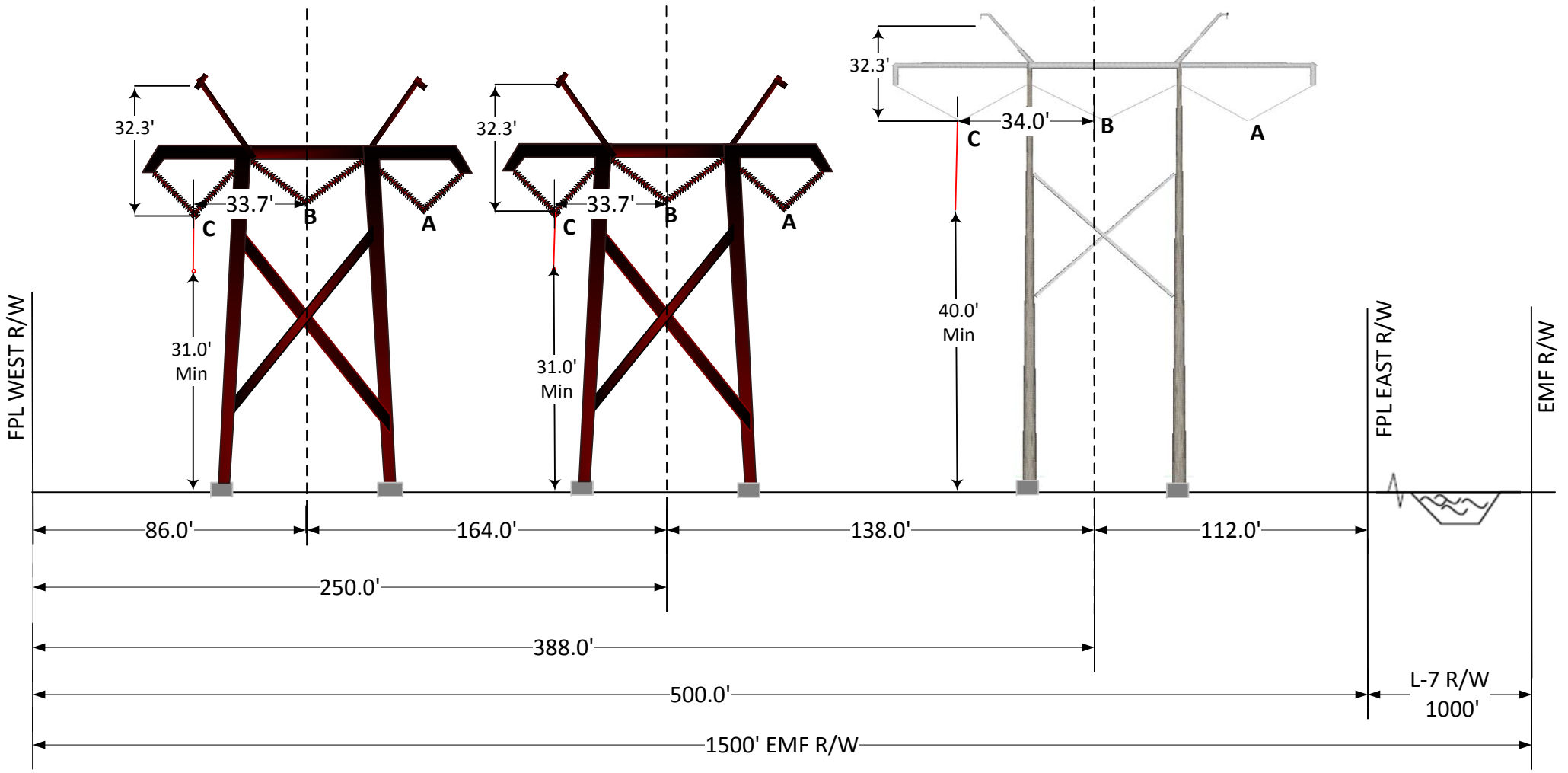
NOTE: ALL HEIGHTS ARE AT MIDSPAN AND CONDUCTOR SHOWN MAXIMUM SAG

N

EXISTING
ANDYTOWN-MARTIN 500KV
LINE
Tri-Bndl 1127 AAAC 3060
AMPS @75°C
(2) 3/8" OHGW

EXISTING
ANDYTOWN-CORBETT
500KV LINE
Tri-Bndl 1127 AAAC 3060
AMPS @75°C
(2) 3/8" OHGW

PROPOSED
QUARRY-SUGAR 500KV LINE
Tri-Bndl 1272 ACSR/AW
4215 AMPS
(1) 7#8 OHGW
(1) 0.472 OPGW



EXISTING 500' WIDE R/W BETWEEN STATE ROAD 80 AND TERRYTOWN (LOOKING NORTH)

EMF Cross Section #3 (CS 3)
Quarry-Sugar 500kV
T-17432 Phase 2: Terrytown- I-75
Kori Earnhardt 3/17/17 N.T.S.

NOTE: ALL HEIGHTS ARE AT MIDSPAN AND CONDUCTOR SHOWN MAXIMUM SAG

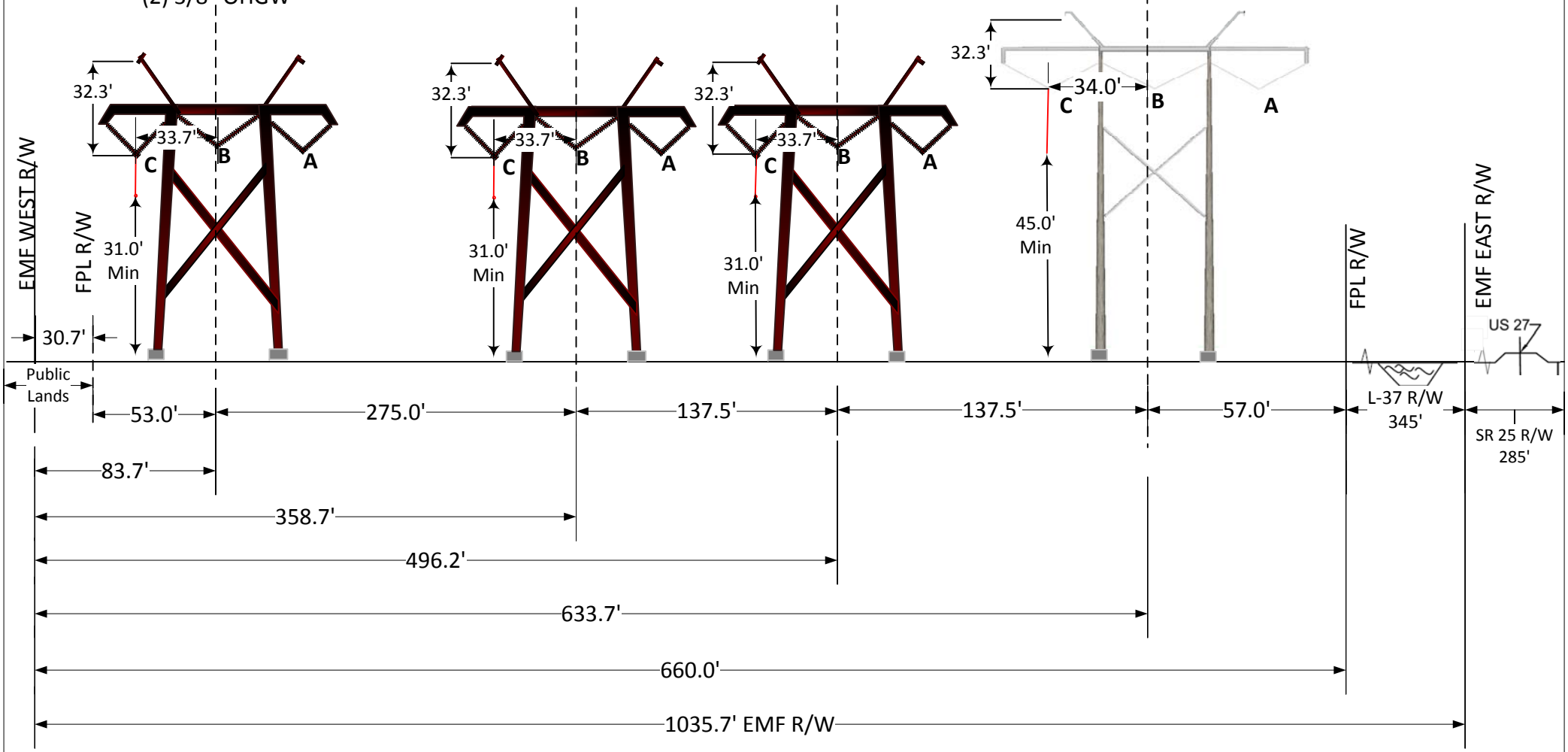
N

EXISTING
ANDYTOWN-
ORANGE RIVER
500KV LINE
Tri-Bndl 1127 AAAC
3060 AMPS @75°C
(2) 3/8" OHGW

EXISTING
ANDYTOWN-
MARTIN 500KV LINE
Tri-Bndl 1127 AAAC
3060 AMPS @75°C
(2) 3/8" OHGW

EXISTING
ANDYTOWN-CORBETT
500KV LINE
Tri-Bndl 1127 AAAC
3060 AMPS @75°C
(2) 3/8" OHGW

PROPOSED
QUARRY-SUGAR 500KV LINE
Tri-Bndl 1272 ACSR/AW
4215 AMPS
(1) 7#8 OHGW
(1) 0.472 OPGW



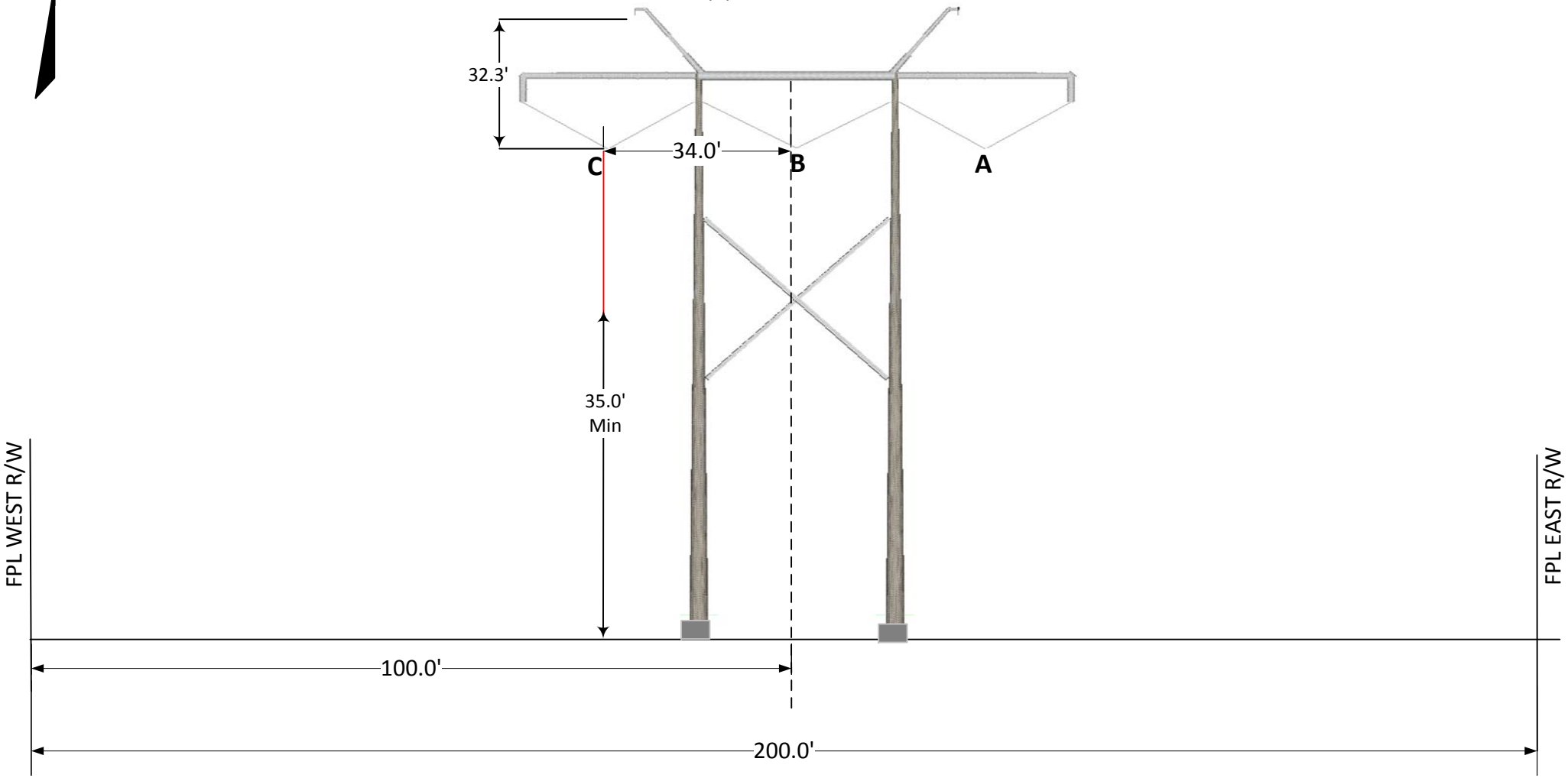
EXISTING 660' WIDE R/W BETWEEN TERRYTOWN AND I-75 (LOOKING NORTH)

EMF Cross Section #4 (CS 4)
Quarry-Sugar 500kV
T-17433 Phase 3: I-75-Quarry
Kori Earnhardt 3/17/17 N.T.S.

NOTE: ALL HEIGHTS ARE AT MIDSPAN AND CONDUCTOR SHOWN MAXIMUM SAG

N

PROPOSED
QUARRY-SUGAR 500KV LINE
Tri-Bndl 1272 ACSR/AW
4215 AMPS
(1) 7#8 OHGW
(1) 0.472 OPGW

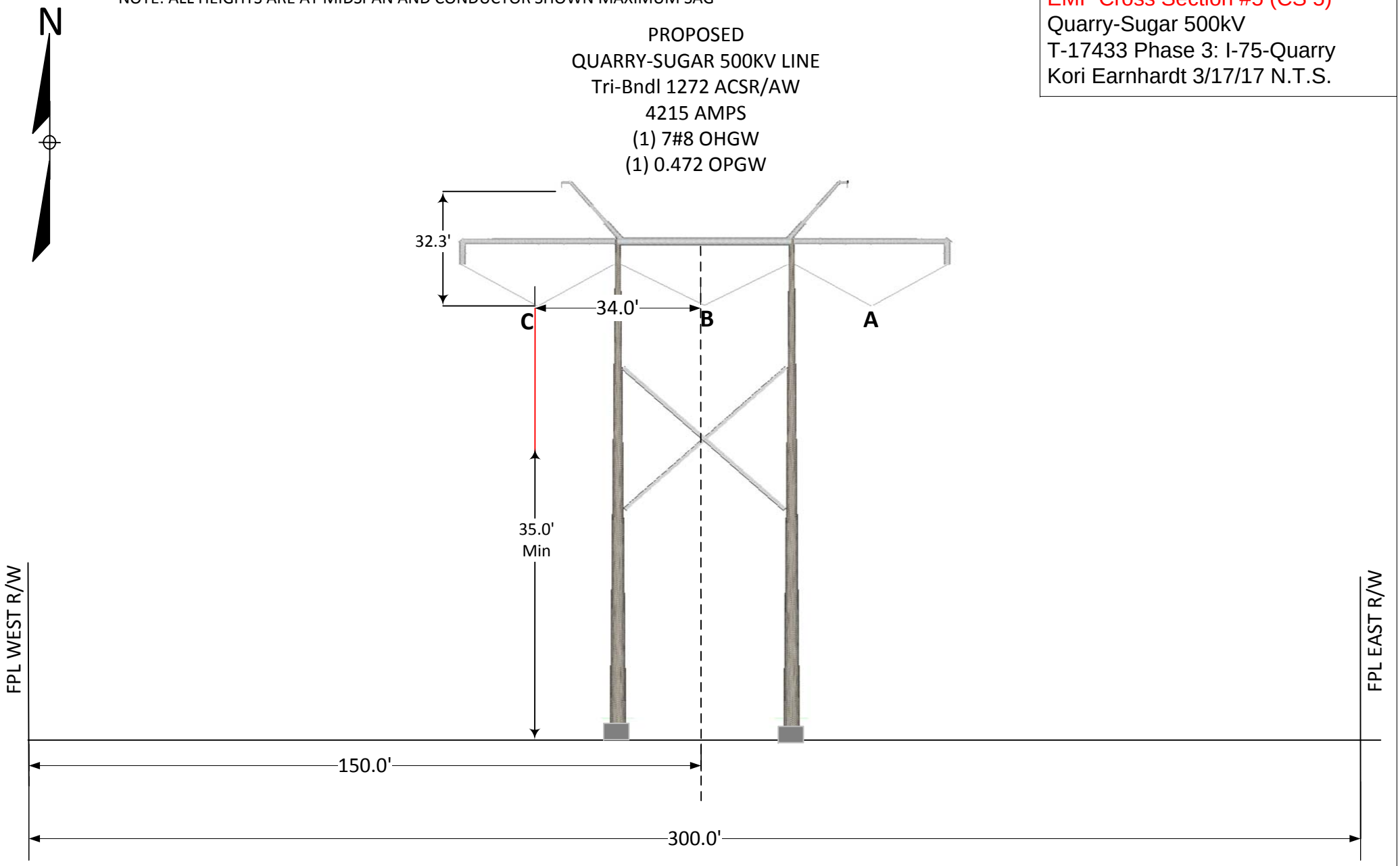


200' WIDE R/W BETWEEN I-75 AND KROME AVE (LOOKING NORTH)

NOTE: ALL HEIGHTS ARE AT MIDSPAN AND CONDUCTOR SHOWN MAXIMUM SAG

EMF Cross Section #5 (CS 5)
Quarry-Sugar 500kV
T-17433 Phase 3: I-75-Quarry
Kori Earnhardt 3/17/17 N.T.S.

PROPOSED
QUARRY-SUGAR 500KV LINE
Tri-Bndl 1272 ACSR/AW
4215 AMPS
(1) 7#8 OHGW
(1) 0.472 OPGW



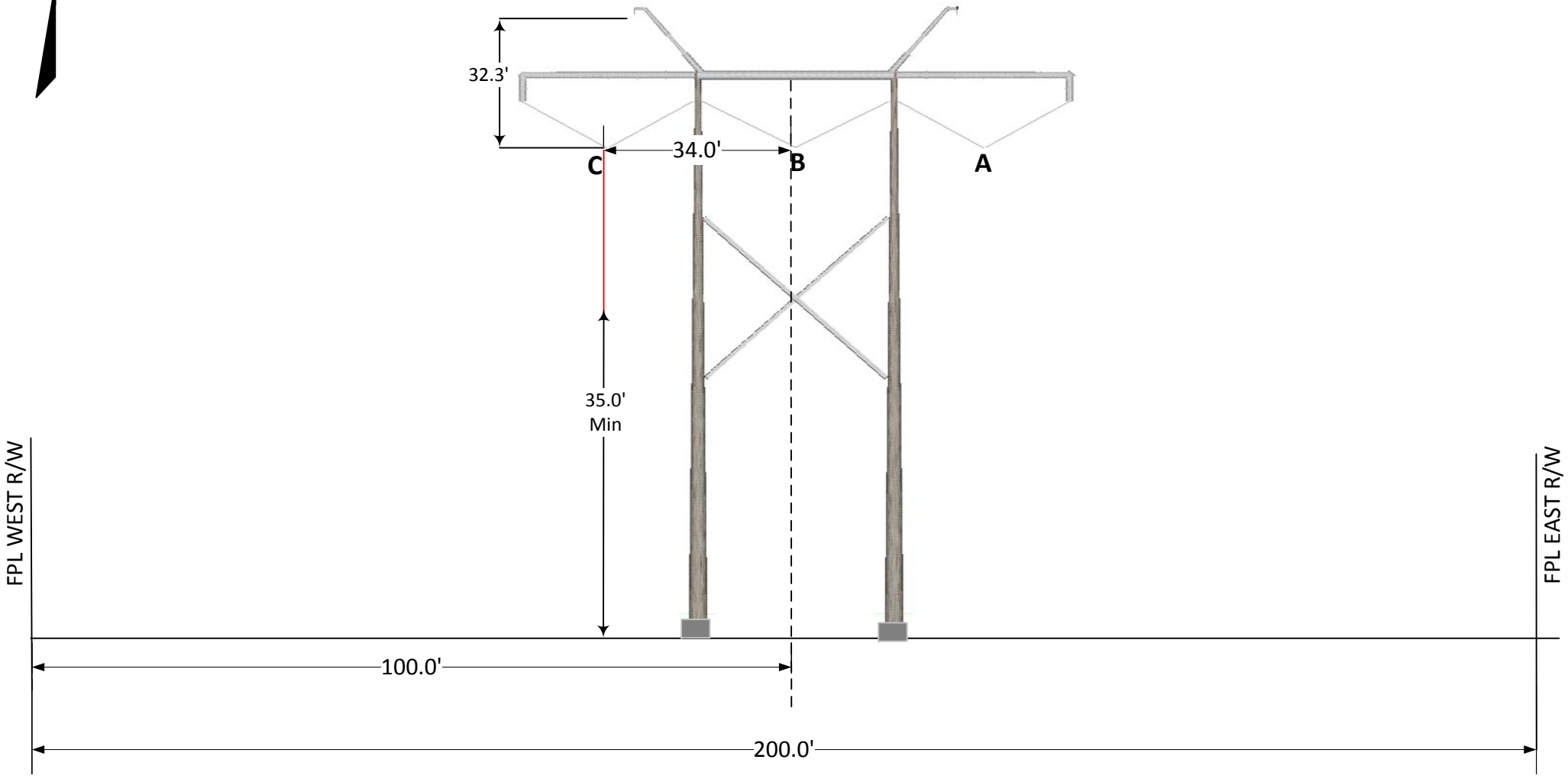
300' WIDE R/W KROME AVE (LOOKING NORTH)

NOTE: ALL HEIGHTS ARE AT MIDSPAN AND CONDUCTOR SHOWN MAXIMUM SAG

EMF Cross Section #6 (CS 6)
Quarry-Sugar 500kV
T-17433 Phase 3: I-75-Quarry
Kori Earnhardt 3/17/17 N.T.S.

N

PROPOSED
QUARRY-SUGAR 500KV LINE
Tri-Bndl 1272 ACSR/AW
4215 AMPS
(1) 7#8 OHGW
(1) 0.472 OPGW

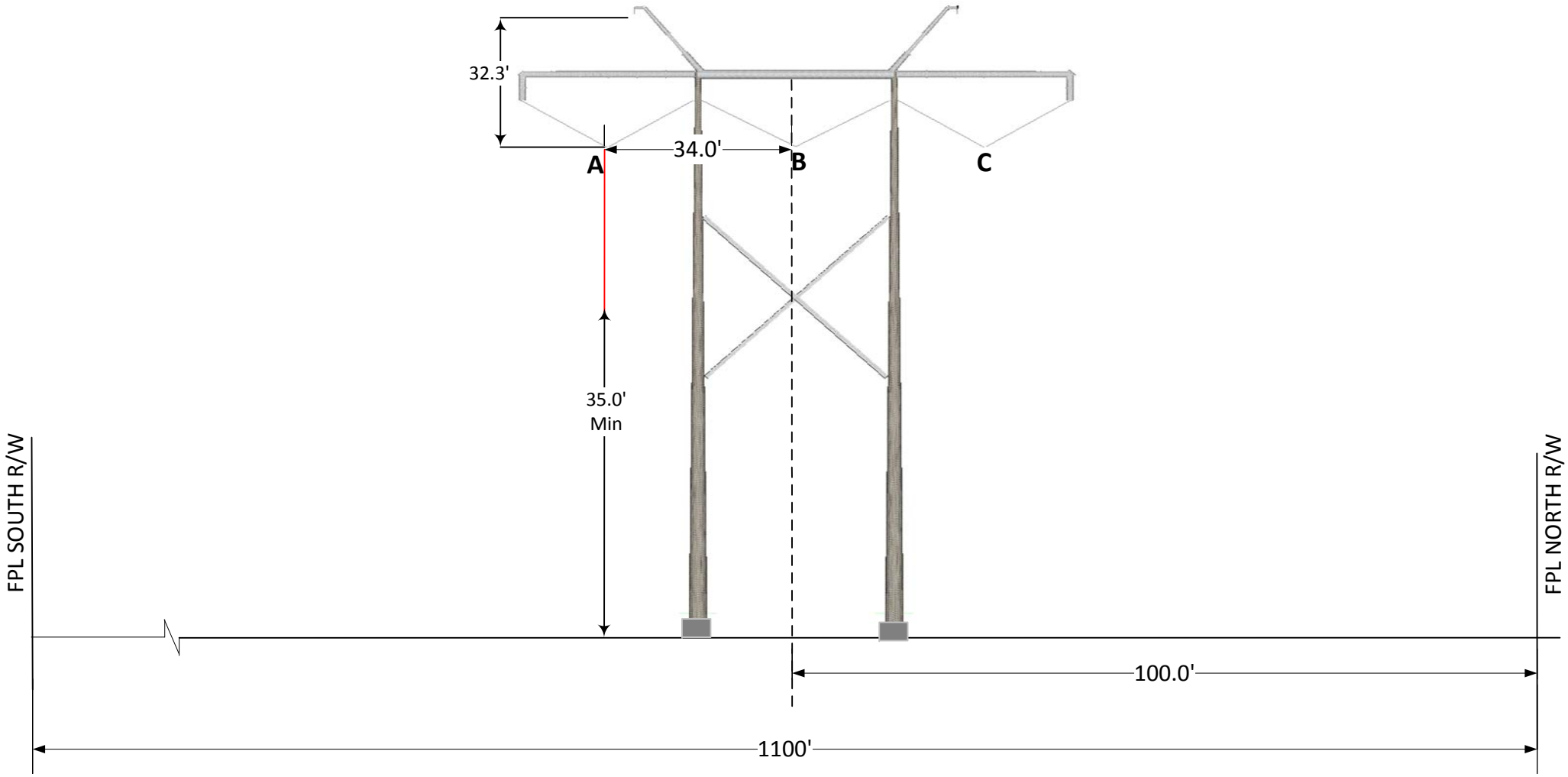


200' WIDE R/W BETWEEN KROME AVE AND QUARRY SUB (LOOKING NORTH)

NOTE: ALL HEIGHTS ARE AT MIDSPAN AND CONDUCTOR SHOWN MAXIMUM SAG

EMF Cross Section #7 (CS 7)
Quarry-Sugar 500kV
T-17433 Phase 3: I-75-Quarry
Kori Earnhardt 3/17/17 N.T.S.

PROPOSED
QUARRY-SUGAR 500KV LINE
Tri-Bndl 1272 ACSR/AW
4215 AMPS
(1) 7#8 OHGW
(1) 0.472 OPGW



1100' WIDE R/W QUARRY SUBSTATION PROPERTY (LOOKING WEST)