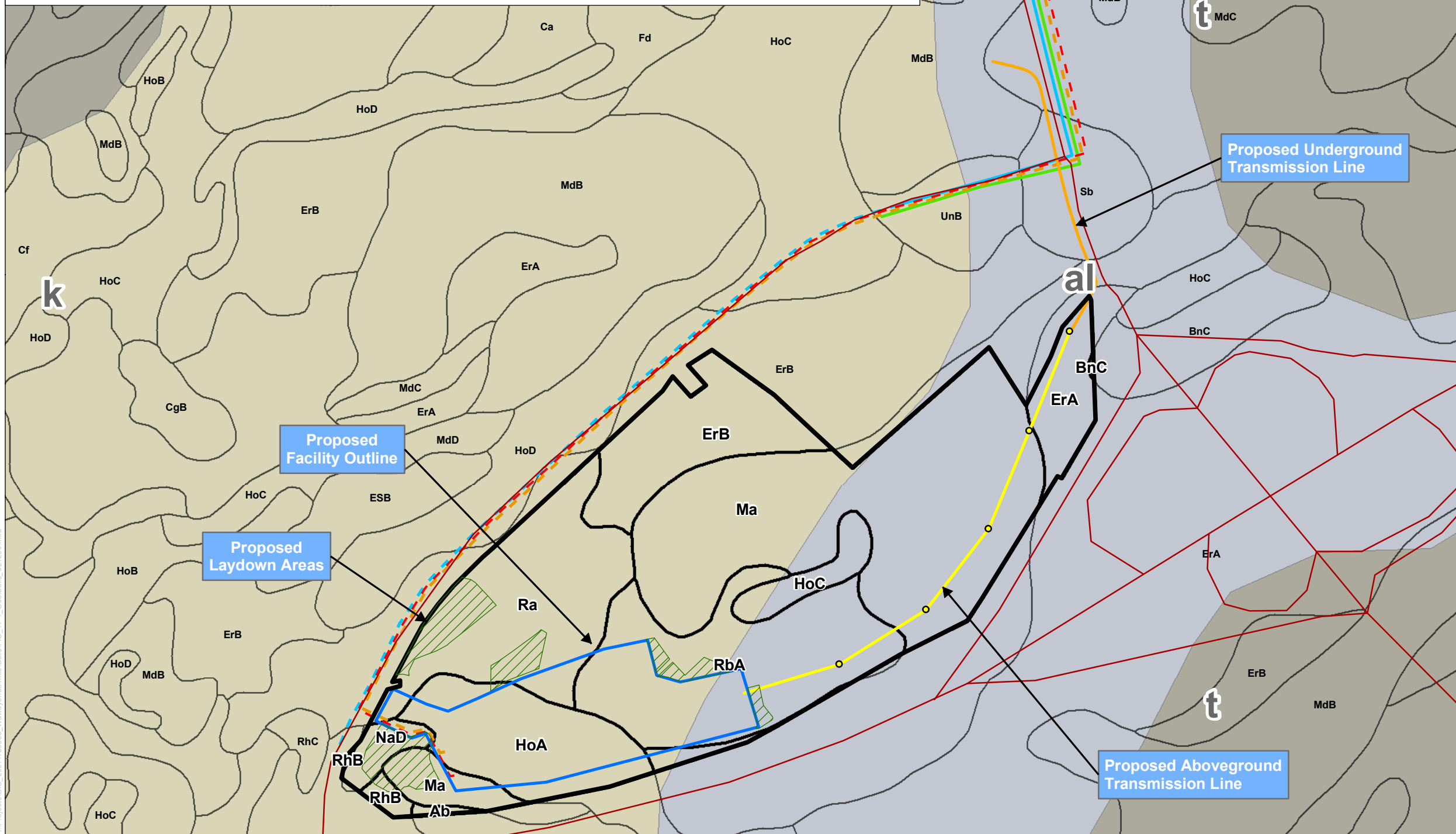


Surficial Unit	Soil Symbol	Soil Map Unit/Soil Texture/Slope	Hydric Rating	Drainage Class	Geomorphology	Depth Bedrock (Ft)	Depth Water Table (Ft)	Acres Within Site
al	BnC	Bath-Nassau channery silt loams, 8 to 15 percent slopes	No	Well drained	drumlinoid ridges, hills, till plains	>5	2.3	0.06
al	Du	Loamy-skeletal, mixed, nonacid, mesic Udorthents	No	Well drained	not recorded	>5	Not recorded	N/A
al	ErA	Erie gravelly silt loam, 0 to 3 percent slopes	No	Somewhat poorly drained	drumlinoid ridges, hills, till plains	>5	1.0	4.84
al	HoC	Hoosic gravelly sandy loam, 8 to 15 percent slopes	No	Somewhat excessively drained	deltas, outwash plains, terraces	>5	Not recorded	2.43
al	Ma	Madalin silt loam	Yes	Poorly drained	depressions	>5	0.0	25.34
al	MdB	Mardin gravelly silt loam, 3 to 8 percent slopes	No	Moderately well drained	drumlinoid ridges, hills, till plains	>5	1.8	N/A
al	RbA	Rhinebeck silt loam, 0 to 3 percent slopes	No	Somewhat poorly drained	lake plains	>5	1.0	11.50
al	Sb	Scarboro mucky sandy loam	Yes	Very poorly drained	depressions	>5	0.0	N/A
al	UnB	Unadilla silt loam, 0 to 8 percent slopes	No	Well drained	lake plains	>5	0.0	N/A
k	Ab	Alden silt loam	Yes	Very poorly drained	depressions	>5	0.0	0.35
k	ErB	Erie gravelly silt loam, 3 to 8 percent slopes	No	Somewhat poorly drained	drumlinoid ridges, hills, till plains	>5	1.0	11.55
k	HoA	Hoosic gravelly sandy loam, 0 to 3 percent slopes	No	Somewhat excessively drained	deltas, outwash plains, terraces	>5	Not recorded	12.29
k	HoC	Hoosic gravelly sandy loam, 8 to 15 percent slopes	No	Somewhat excessively drained	deltas, outwash plains, terraces	>5	Not recorded	0.67
k	HoD	Hoosic gravelly sandy loam, 15 to 25 percent slopes	No	Somewhat excessively drained	deltas, outwash plains, terraces	>5	0.0	N/A
k	Ma	Madalin silt loam	Yes	Poorly drained	depressions	>5	0.0	15.87
k	Ma	Madalin silt loam	Yes	Poorly drained	depressions	>5	0.0	3.07
k	NaD	Nassau channery silt loam, 15 to 25 percent slopes	No	Somewhat excessively drained	benches, ridges, till plains	>5	Not recorded	2.03
k	Ra	Raynham silt loam	No	Somewhat poorly drained	lake plains	>5	1.3	19.40
k	RbA	Rhinebeck silt loam, 0 to 3 percent slopes	No	Somewhat poorly drained	lake plains	>5	1.0	11.03
k	RhB	Riverhead sandy loam, 3 to 8 percent slopes	No	Well drained	deltas, terraces	>5	1.0	0.86
k	UnB	Unadilla silt loam, 0 to 8 percent slopes	No	Well drained	lake plains	>5	0.0	N/A
t	Du	Loamy-skeletal, mixed, nonacid, mesic Udorthents	No	Well drained	not recorded	>5	Not recorded	N/A
t	MdC	Mardin gravelly silt loam, 8 to 15 percent slopes	No	Moderately well drained	drumlinoid ridges, hills, till plains	>5	1.8	N/A



- Site Boundary
- Facility Outline
- Major Roads
- Laydown\_Areas
- Proposed 80' Structures
- Proposed Transmission Line Aboveground
- Proposed Transmission Line Underground
- Grey Water Discharge
- Grey Water Supply
- Potable Water Supply - Proposed
- Potable Water Supply - Existing
- Sanitary Sewer - Existing

**SURFICIAL GEOLOGY**

- al - Recent alluvium
- k - Kame deposits
- t = Till.

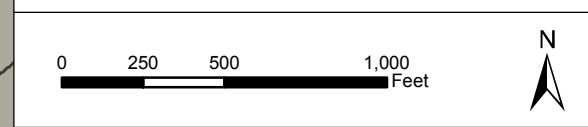
al - Recent alluvium  
Oxidized fine sand to gravel, permeable, generally confined to flood plains within a valley, in larger valleys may be overlain by silt, subject to flooding, thickness 1-10 meters,

k - Kame deposits  
Coarse to fine gravel and/or sand, includes kames, eskers, kame terraces, kame deltas, ice contact, or ice cored deposition, lateral variability in sorting, texture and permeability, may be firmly cemented with calcareous cement, thickness variable (10-30 meters).

t = Till. Unsorted/unstratified mixtures of clay, silt, sand, gravel, and boulders.

**Soils Table at left only reflects soils within site boundary and under utility lines.**

Soil Data of Orange County, NY from USDA 2003.



**CPV VALLEY ENERGY CENTER  
WAWAYANDA, NEW YORK**

**SOILS AND GEOLOGY MAP**

650 Suffolk Street  
Wannalancit Mills  
Lowell, MA 01854  
978-970-5600

**FIGURE  
11-1**

**FEBRUARY, 2009**

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