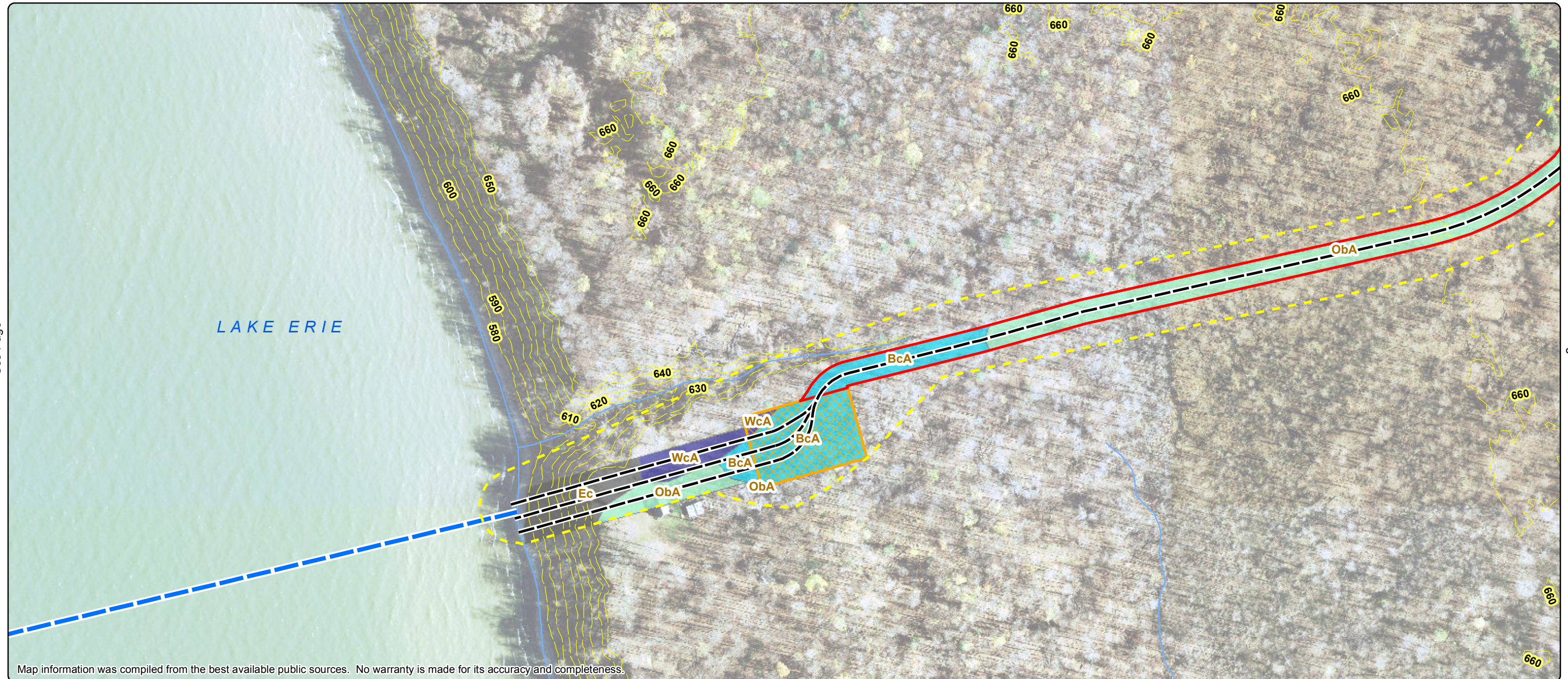


## **APPENDIX D**

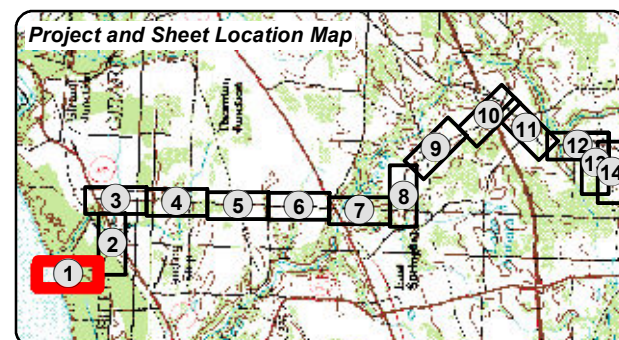
### **UNDERGROUND SEGMENT – USDA SOILS MAPS**
























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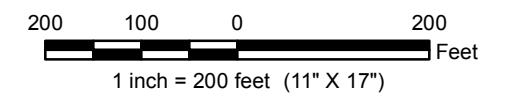
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- |   |                                  |   |                       |   |  |   |   |   |  |
|---|----------------------------------|---|-----------------------|---|--|---|---|---|--|
|  | Proposed Underwater Cable Route  |  | Field Survey Corridor |  | USDA Soils   |  | Ec - Escarpments                                    |  | WcA - Wauseon fine sandy loam, 0 to 2 percent slopes |
|  | Proposed Underground Cable Route |  | Railroad              |  | BcA - Berrien fine sandy loam, 0 to 2 percent slopes |  | ObA - Ottawa loamy fine sand, 0 to 2 percent slopes |   |  |
|  | Proposed AC Cable Route          |  | US Highway            |   |  |   |   |   |  |
|  | Cable Route LOD                  |  | US Route              |   |  |   |   |   |  |
|  | Construction Laydown LOD         |  | State Route           |   |  |   |   |   |  |
|  | Proposed Converter Station Site  |  | Local Road            |   |  |   |   |   |  |
|   |                                  |  | PASDA River   Stream  |   |  |   |   |   |  |
|   |                                  |  | Contour (10ft.)       |   |  |   |   |   |  |

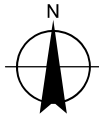
**USDA SOILS MAP  
ERIE COUNTY, PENNSYLVANIA**

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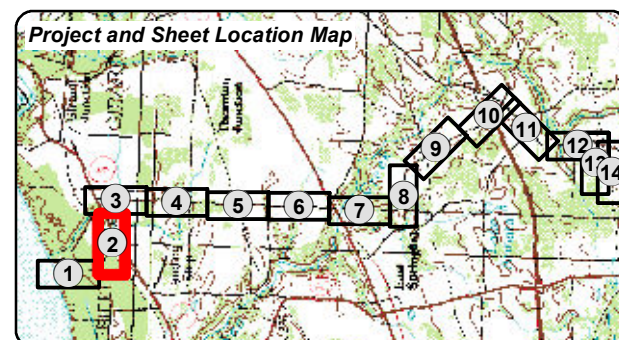


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- Proposed Underwater Cable Route
- Proposed Underground Cable Route
- Proposed AC Cable Route
- Cable Route LOD
- Construction Laydown LOD
- Proposed Converter Station Site

- Field Survey Corridor
- Railroad
- US Highway
- US Route
- State Route
- Local Road
- PASDA River | Stream
- Contour (10ft.)

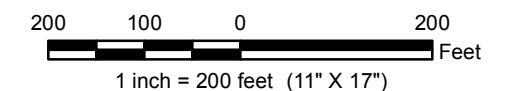
- USDA Soils**
- CgB - Conotton coarse sandy loam, 0 to 8 percent slopes

- CgC - Conotton coarse sandy loam, 8 to 15 percent slopes
- OaB3 - Ottawa fine sandy loam, 2 to 8 percent slopes, severely eroded

- ObA - Ottawa loamy fine sand, 0 to 2 percent slopes
- RaA - Rimer fine sandy loam, 0 to 2 percent slopes
- WcA - Wauseon fine sandy loam, 0 to 2 percent slopes

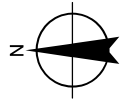
**USDA SOILS MAP  
ERIE COUNTY, PENNSYLVANIA**

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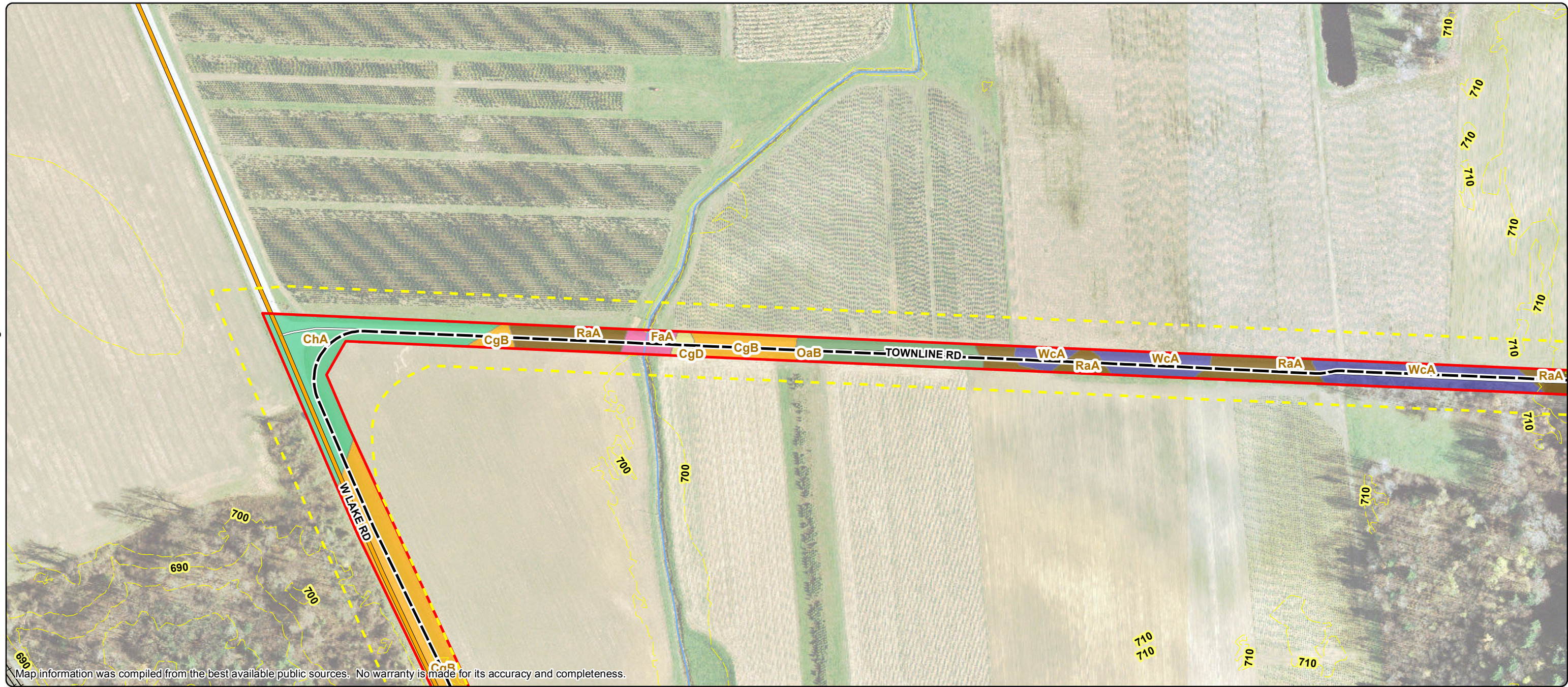
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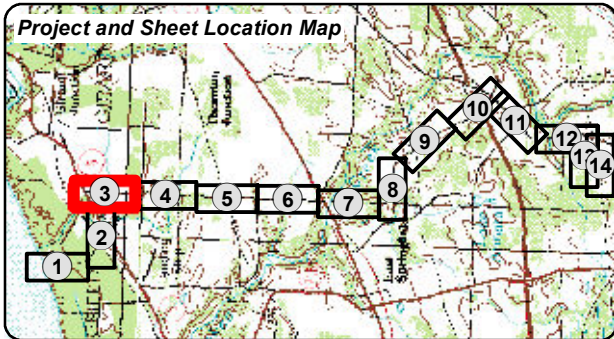
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- Proposed Underwater Cable Route
- Proposed Underground Cable Route
- Proposed AC Cable Route
- Cable Route LOD
- Construction Laydown LOD
- Proposed Converter Station Site
- Field Survey Corridor
- Railroad
- US Highway
- US Route
- State Route
- Local Road
- PASDA River | Stream
- Contour (10ft.)

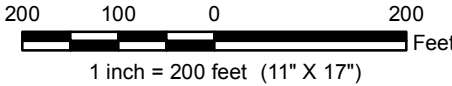
**USDA Soils**  
CgB - Conotton coarse sandy loam, 0 to 8 percent slopes

CgD - Conotton coarse sandy loam, 15 to 25 percent slopes  
ChA - Conotton gravelly loam, 0 to 3 percent slopes  
FaA - Fredon loam, 0 to 3 percent slopes

OaB - Ottawa fine sandy loam, 2 to 8 percent slopes  
RaA - Rimer fine sandy loam, 0 to 2 percent slopes  
WcA - Wauseon fine sandy loam, 0 to 2 percent slopes

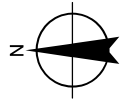
**USDA SOILS MAP  
ERIE COUNTY, PENNSYLVANIA**

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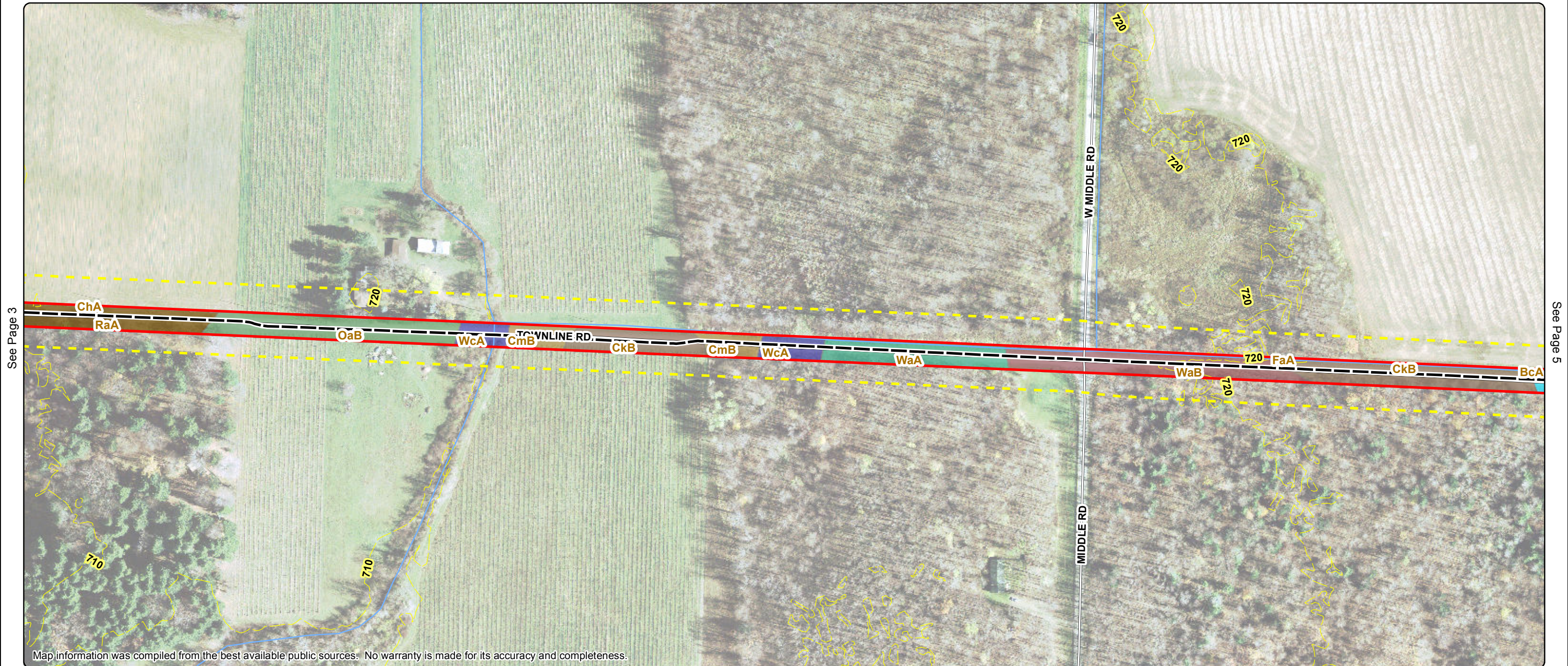


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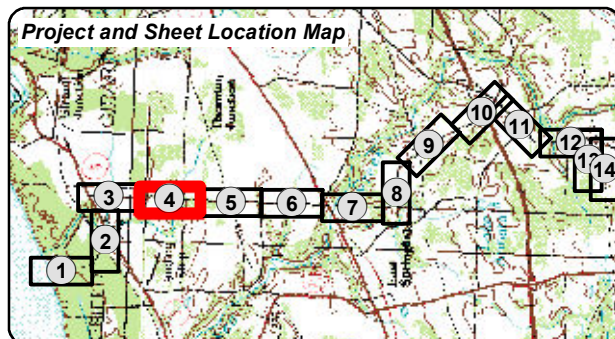


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See Page



- |                                  |                       |
|----------------------------------|-----------------------|
| Proposed Underwater Cable Route  | Field Survey Corridor |
| Proposed Underground Cable Route | Railroad              |
| Proposed AC Cable Route          | US Highway            |
| Cable Route LOD                  | US Route              |
| Construction Laydown LOD         | State Route           |
| Proposed Converter Station Site  | Local Road            |
|                                  | PASDA River   Stream  |
|                                  | Contour (10ft.)       |

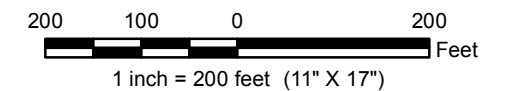
- USDA Soils**
- |   |
|---|
| BcA - Berrien fine sandy loam, 0 to 2 percent slopes      |
| ChA - Conotton gravelly loam, 0 to 3 percent slopes       |
| CkB - Conotton gravelly sandy loam, 3 to 8 percent slopes |

- |  |
|--|
| CmB - Conotton gravelly sandy loam, moderately well drained variant, 3 to 8 percent slopes |
| FaA - Fredon loam, 0 to 3 percent slopes   |
| OaB - Ottawa fine sandy loam, 2 to 8 percent slopes  |

- |   |
|---|
| RaA - Rimer fine sandy loam, 0 to 2 percent slopes      |
| WaA - Wallington fine sandy loam, 0 to 2 percent slopes |
| WaB - Wallington fine sandy loam, 2 to 8 percent slopes |
| WcA - Wauseon fine sandy loam, 0 to 2 percent slopes    |

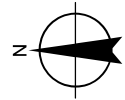
**USDA SOILS MAP  
ERIE COUNTY, PENNSYLVANIA**

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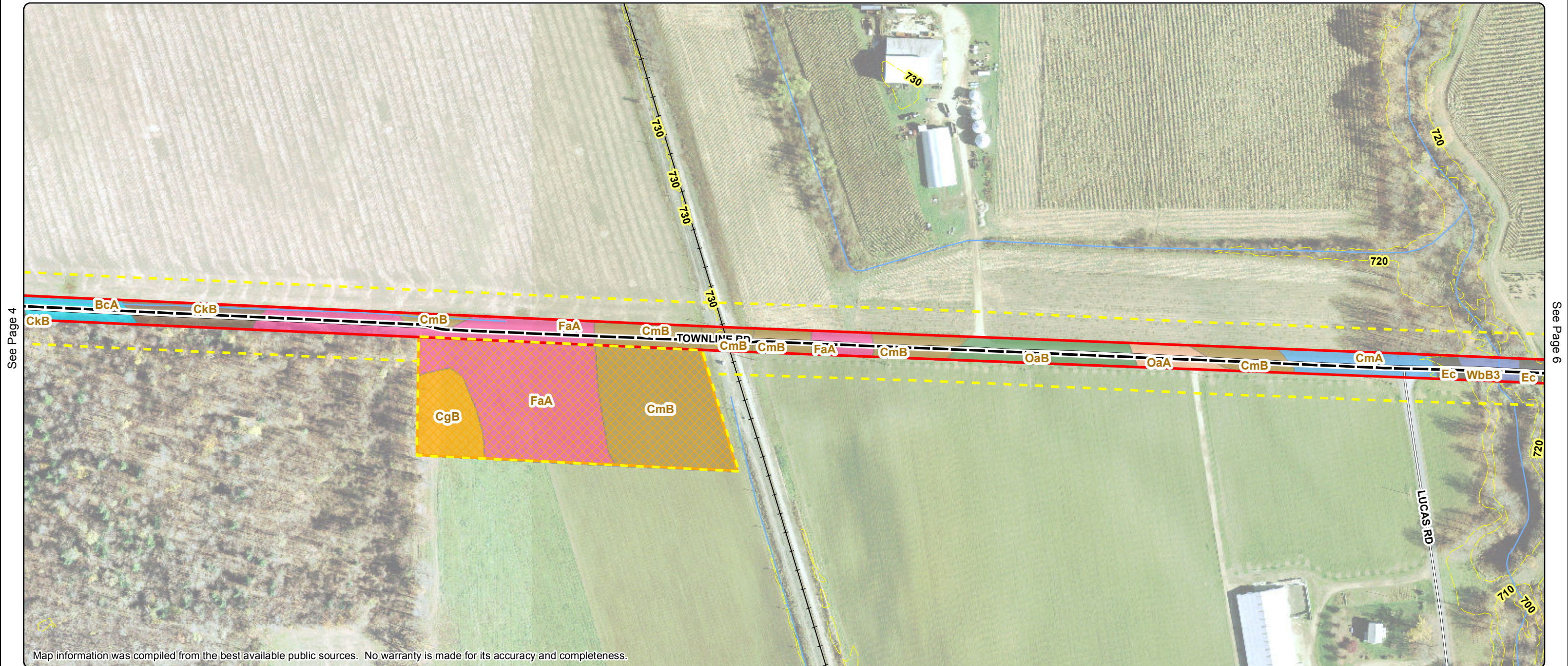


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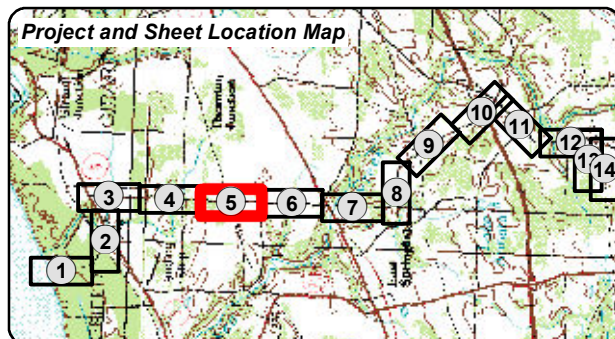


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See Page



- Proposed Underwater Cable Route
- Proposed Underground Cable Route
- Proposed AC Cable Route
- Cable Route LOD
- Construction Laydown LOD
- Proposed Converter Station Site

- Field Survey Corridor
- Railroad
- US Highway
- US Route
- State Route
- Local Road
- PASDA River | Stream
- Contour (10ft.)

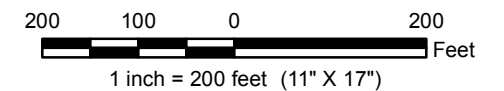
- USDA Soils**
- BcA - Berrien fine sandy loam, 0 to 2 percent slopes
  - CgB - Conotton coarse sandy loam, 0 to 8 percent slopes
  - CkB - Conotton gravelly sandy loam, 3 to 8 percent slopes

- CmA - Conotton gravelly sandy loam, moderately well drained variant, 0 to 3 percent slopes
- CmB - Conotton gravelly sandy loam, moderately well drained variant, 3 to 8 percent slopes
- Ec - Escarpments

- FaA - Fredon loam, 0 to 3 percent slopes
- OaA - Ottawa fine sandy loam, 0 to 2 percent slopes
- OaB - Ottawa fine sandy loam, 2 to 8 percent slopes
- WbB3 - Wallington silt loam, 2 to 8 percent slopes, severely eroded

**USDA SOILS MAP  
ERIE COUNTY, PENNSYLVANIA**

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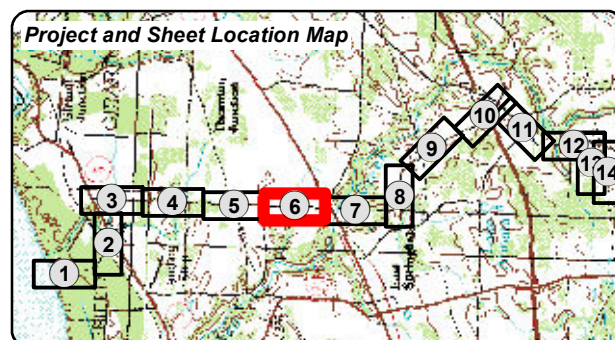
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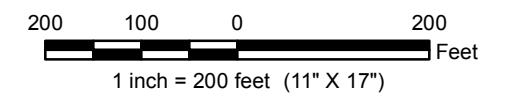
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- |   |                                  |   |                       |   |   |   |   |   |  |
|---|----------------------------------|---|-----------------------|---|---|---|---|---|--|
|  | Proposed Underwater Cable Route  |  | Field Survey Corridor |  | <b>USDA Soils</b>                                       |  | ChB - Conotton gravelly loam, 3 to 8 percent slopes         |  | CmA - Conotton gravelly sandy loam, moderately well drained variant, 0 to 3 percent slopes |
|  | Proposed Underground Cable Route |  | Railroad              |  | CaB - Canadice silt loam, 2 to 8 percent slopes         |  | CkB - Conotton gravelly sandy loam, 3 to 8 percent slopes   |  |  |
|  | Proposed AC Cable Route          |  | US Highway            |  | CbC - Canadea silt loam, 8 to 15 percent slopes         |  |   |  | Ec - Escarpments   |
|  | Cable Route LOD                  |  | US Route              |  | CgB - Conotton coarse sandy loam, 0 to 8 percent slopes |  | CkD - Conotton gravelly sandy loam, 15 to 25 percent slopes |  | FaB - Fredon loam, 3 to 8 percent slopes   |
|  | Construction Laydown LOD         |  | State Route           |  | Local Road  |   |   |  | OaB - Ottawa fine sandy loam, 2 to 8 percent slopes  |
|  | Proposed Converter Station Site  |  | PASDA River   Stream  |  | Contour (10ft.)   |   |   |   |  |

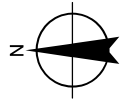
**USDA SOILS MAP  
ERIE COUNTY, PENNSYLVANIA**

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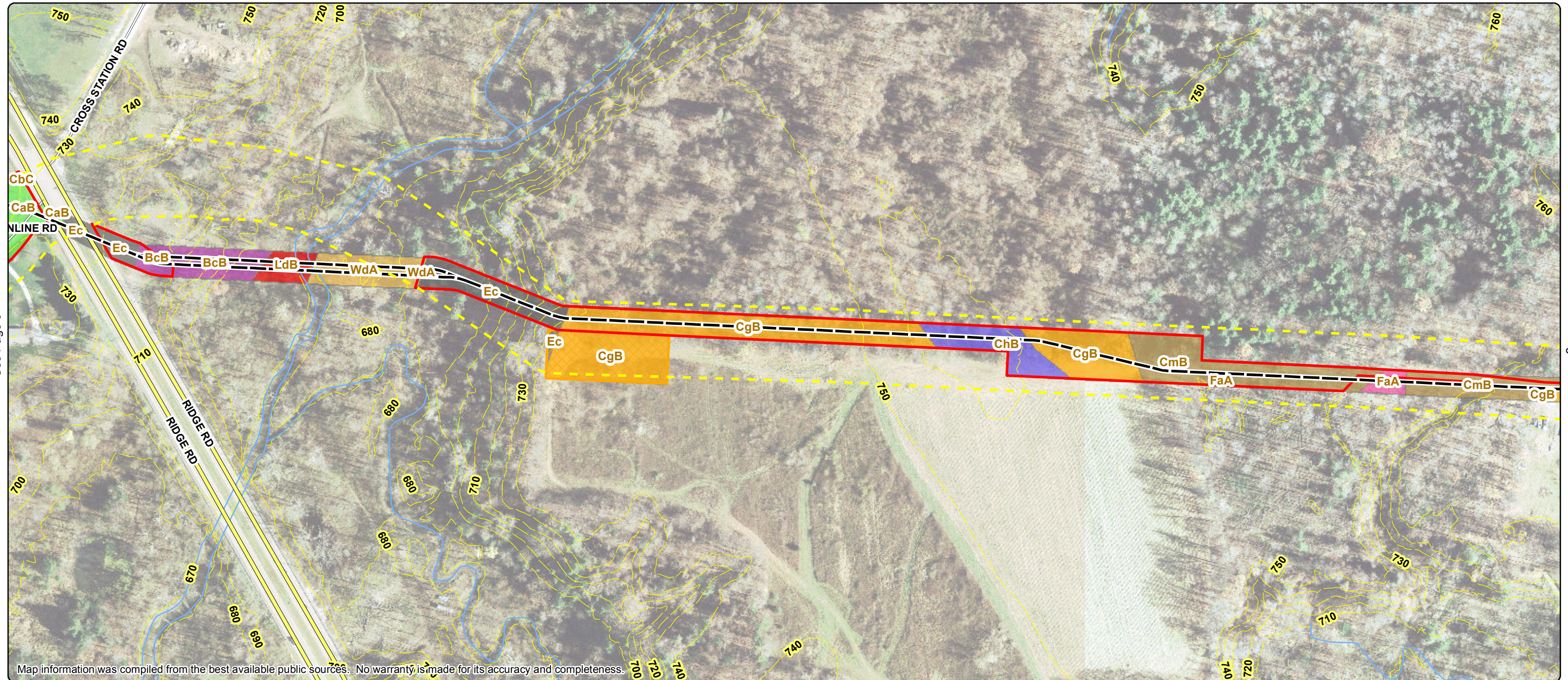


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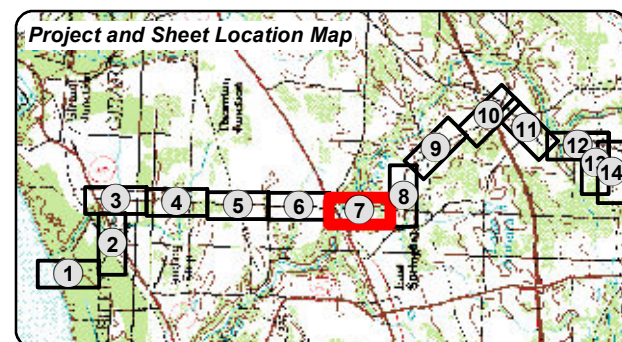


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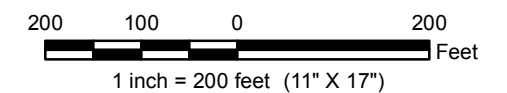
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- |   |  |   |
|---|--|---|
| <ul style="list-style-type: none"><li>Proposed Underwater Cable Route</li><li>Proposed Underground Cable Route</li><li>Proposed AC Cable Route</li><li>Cable Route LOD</li><li>Construction Laydown LOD</li><li>Proposed Converter Station Site</li></ul> | <ul style="list-style-type: none"><li>Field Survey Corridor</li><li>Railroad</li><li>US Highway</li><li>US Route</li><li>State Route</li><li>Local Road</li><li>PASDA River   Stream</li><li>Contour (10ft.)</li></ul> | <b>USDA Soils</b> <ul style="list-style-type: none"><li>BcB - Berrien fine sandy loam, 2 to 8 percent slopes</li><li>CaB - Canadice silt loam, 2 to 8 percent slopes</li><li>CbC - Caneadea silt loam, 8 to 15 percent slopes</li><li>CgB - Conotton coarse sandy loam, 0 to 8 percent slopes</li><li>ChB - Conotton gravelly loam, 3 to 8 percent slopes</li><li>CmB - Conotton gravelly sandy loam, moderately well drained variant, 3 to 8 percent slopes</li><li>Ec - Escarpments</li><li>FaA - Fredon loam, 0 to 3 percent slopes</li><li>LdB - Lobdell silt loam, high bottom, 3 to 6 percent slopes</li><li>WdA - Wayland silt loam, 0 to 3 percent slopes</li></ul> |
|---|--|---|

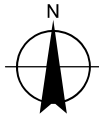
**USDA SOILS MAP  
ERIE COUNTY, PENNSYLVANIA**

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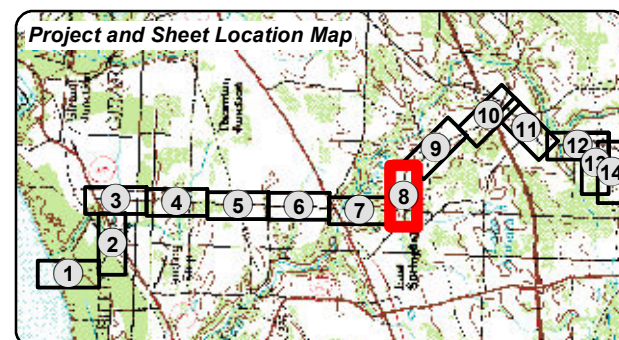


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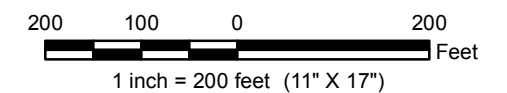
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- |   |  |   |
|---|--|---|
| <ul style="list-style-type: none"><li>Proposed Underwater Cable Route</li><li>Proposed Underground Cable Route</li><li>Proposed AC Cable Route</li><li>Cable Route LOD</li><li>Construction Laydown LOD</li><li>Proposed Converter Station Site</li></ul> | <ul style="list-style-type: none"><li>Field Survey Corridor</li><li>Railroad</li><li>US Highway</li><li>US Route</li><li>State Route</li><li>Local Road</li><li>PASDA River   Stream</li><li>Contour (10ft.)</li></ul> | <b>USDA Soils</b> <ul style="list-style-type: none"><li>CgB - Conotton coarse sandy loam, 0 to 8 percent slopes</li><li>CmB - Conotton gravelly sandy loam, moderately well drained variant, 3 to 8 percent slopes</li><li>Ec - Escarpments</li><li>FaB - Fredon loam, 3 to 8 percent slopes</li><li>HaA - Halsey loam, 0 to 3 percent slopes</li><li>PbB - Platea silt loam, 2 to 8 percent slopes</li></ul> |
|---|--|---|

**USDA SOILS MAP  
ERIE COUNTY, PENNSYLVANIA**

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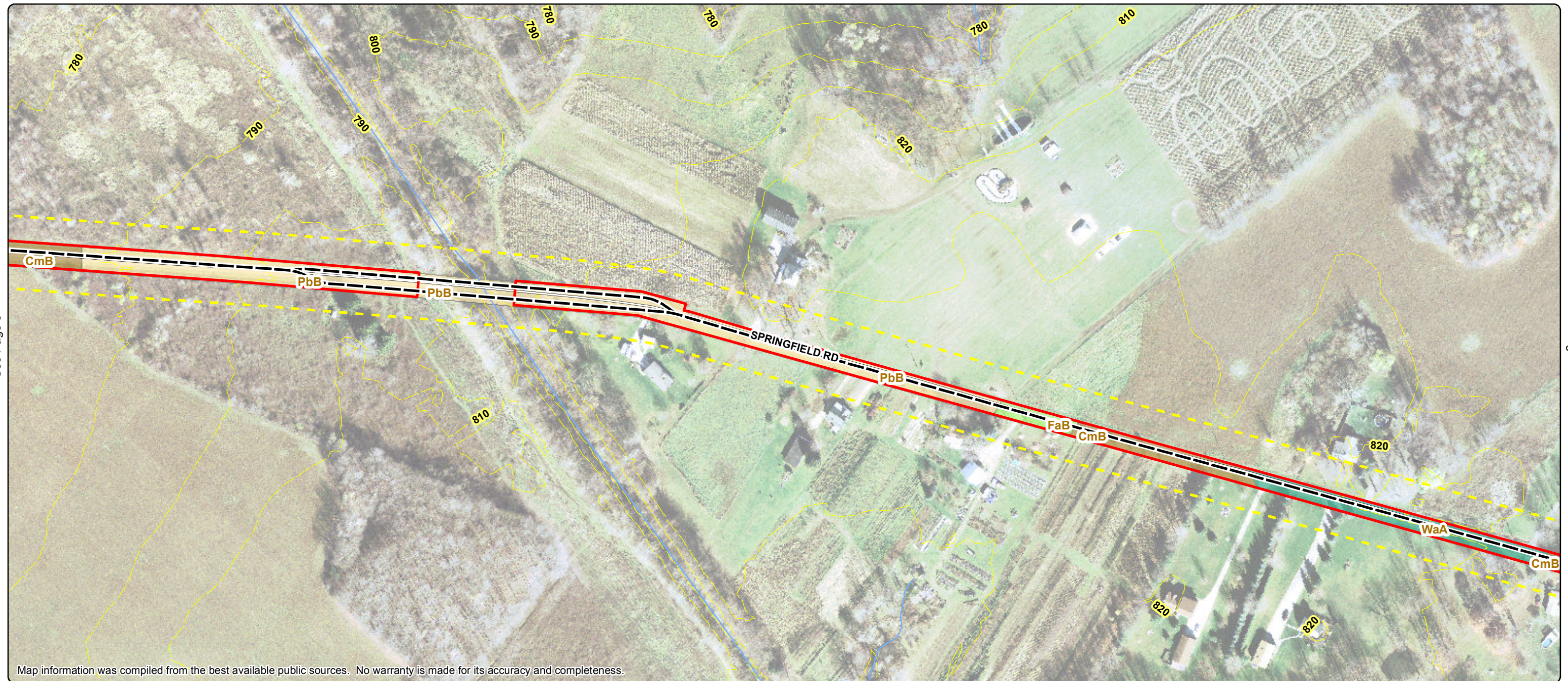


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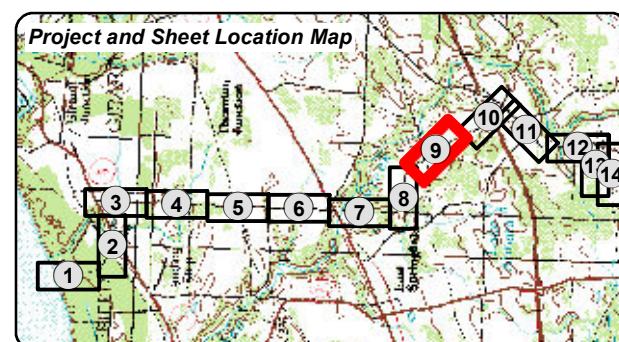


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- Proposed Underwater Cable Route
- Proposed Underground Cable Route
- Proposed AC Cable Route
- Cable Route LOD
- Construction Laydown LOD
- Proposed Converter Station Site

- Field Survey Corridor
- Railroad
- US Highway
- US Route
- State Route
- Local Road
- PASDA River | Stream
- Contour (10ft.)

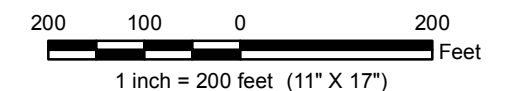
**USDA Soils**  
CmB - Conotton gravelly sandy loam, moderately well drained variant, 3 to 8 percent slopes

FaB - Fredon loam, 3 to 8 percent slopes  
PbB - Platea silt loam, 2 to 8 percent slopes

WaA - Wallington fine sandy loam, 0 to 2 percent slopes

**USDA SOILS MAP  
ERIE COUNTY, PENNSYLVANIA**

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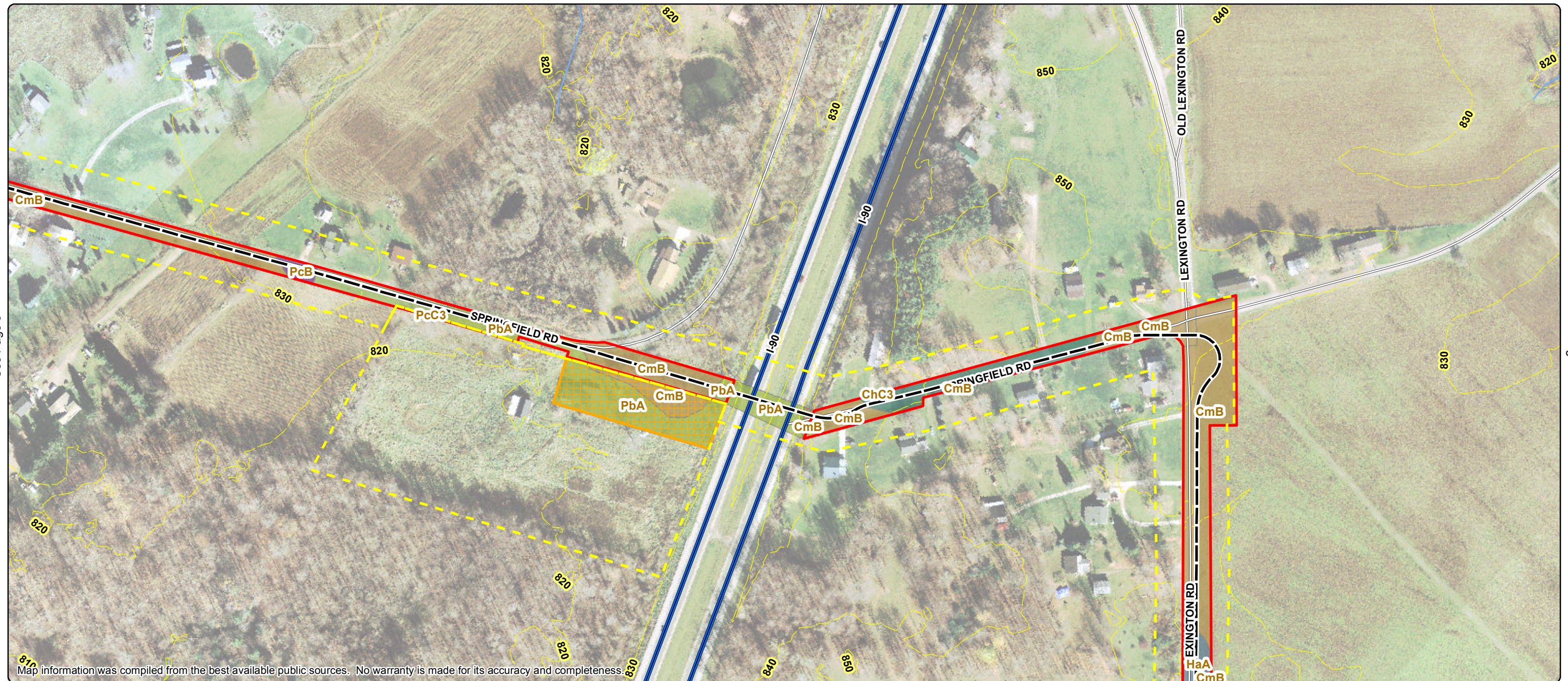


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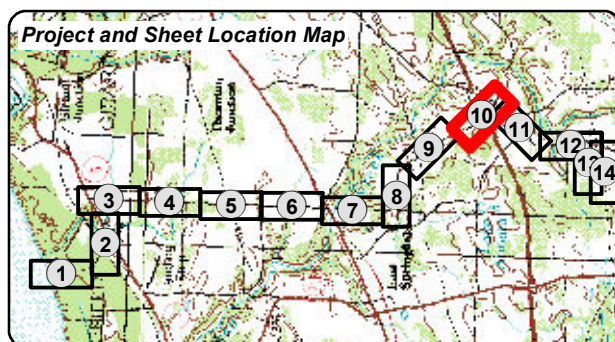


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- Proposed Underwater Cable Route
- Proposed Underground Cable Route
- Proposed AC Cable Route
- Cable Route LOD
- Construction Laydown LOD
- Proposed Converter Station Site

- Field Survey Corridor
- Railroad
- US Highway
- US Route
- State Route
- Local Road
- PASDA River | Stream
- Contour (10ft.)

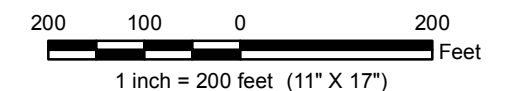
- USDA Soils**
- ChC3 - Conotton gravelly loam, 8 to 15 percent slopes, severely eroded
  - CmB - Conotton gravelly sandy loam, moderately well drained variant, 3 to 8 percent slopes

- HaA - Halsey loam, 0 to 3 percent slopes
- PbA - Platea silt loam, 0 to 2 percent slopes
- PcB - Platea silt loam, moderately well drained variant, 2 to 8 percent slopes

- PcC3 - Platea silt loam, moderately well drained variant, 8 to 15 percent slopes, severely eroded

**USDA SOILS MAP  
ERIE COUNTY, PENNSYLVANIA**

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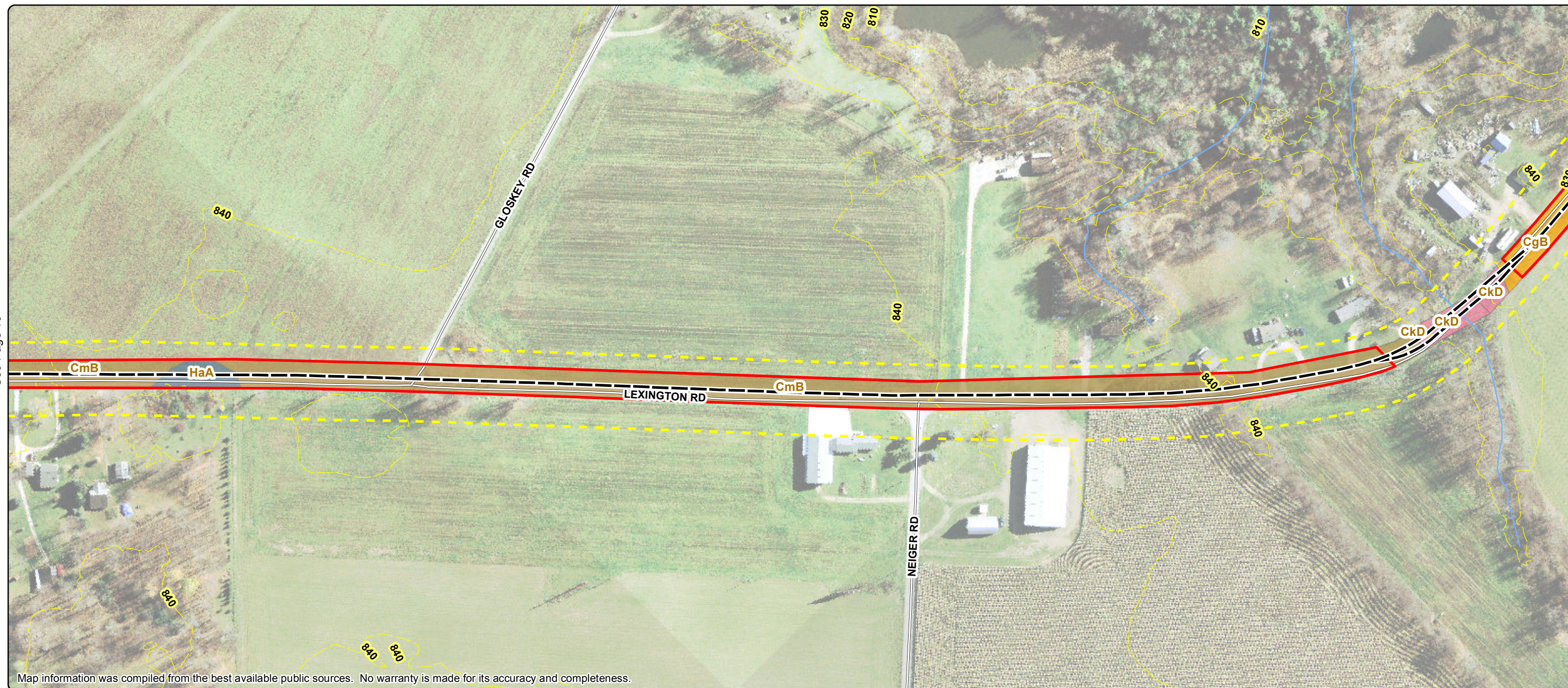
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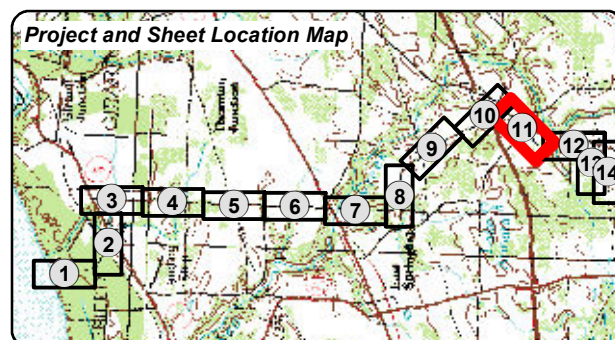
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- Proposed Underwater Cable Route
- Proposed Underground Cable Route
- Proposed AC Cable Route
- Cable Route LOD
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- Proposed Converter Station Site

- Field Survey Corridor
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- US Highway
- US Route
- State Route
- Local Road
- PASDA River | Stream
- Contour (10ft.)

**USDA Soils**  
CgB - Conotton coarse sandy loam, 0 to 8 percent slopes

CkD - Conotton gravelly sandy loam, 15 to 25 percent slopes

CmB - Conotton gravelly sandy loam, moderately well drained variant, 3 to 8 percent slopes  
HaA - Halsey loam, 0 to 3 percent slopes

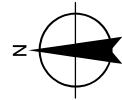
**USDA SOILS MAP  
ERIE COUNTY, PENNSYLVANIA**

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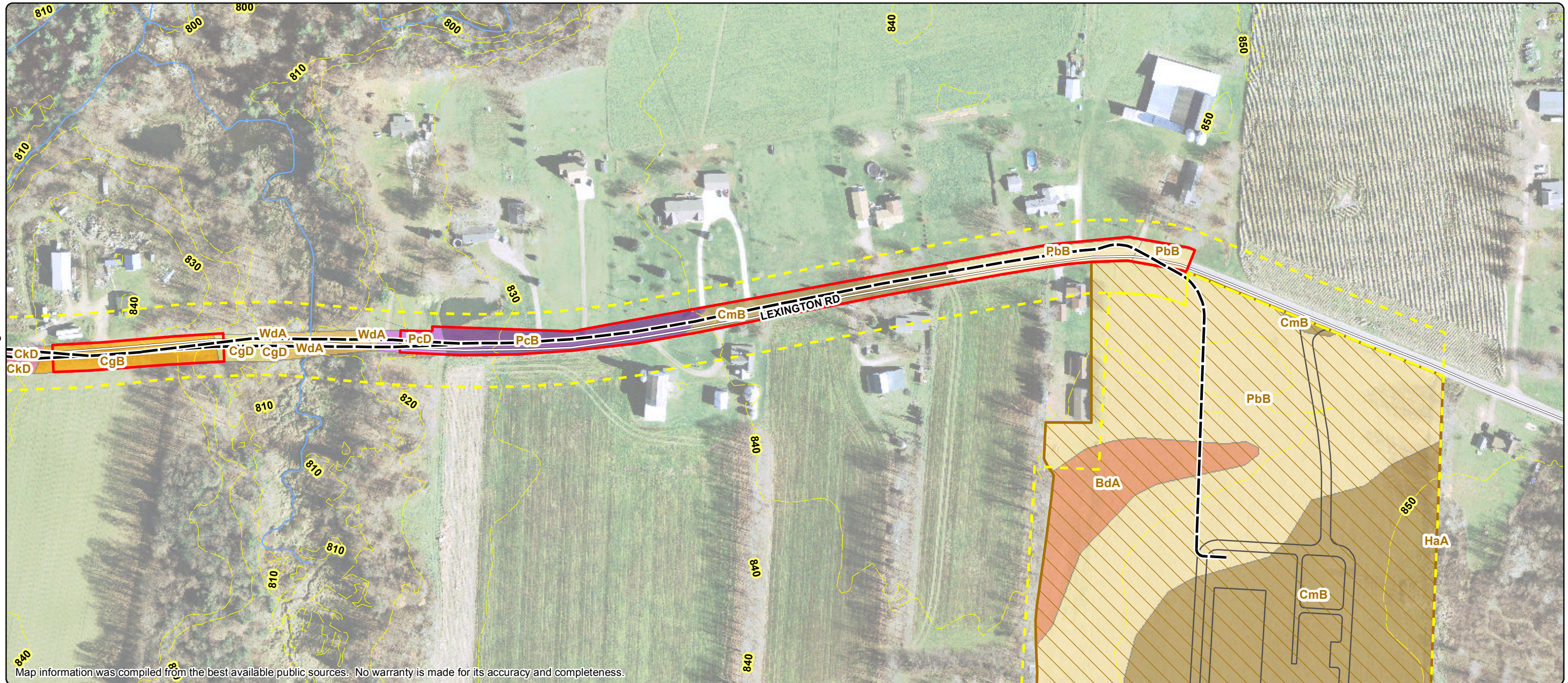
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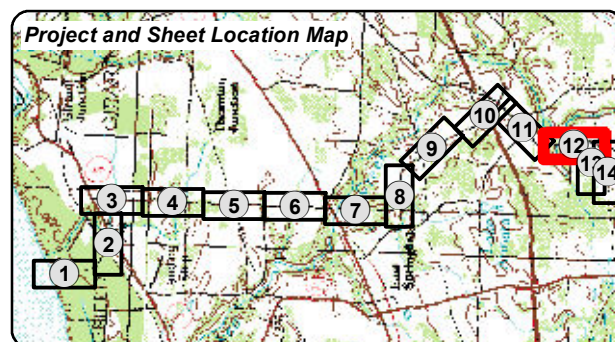
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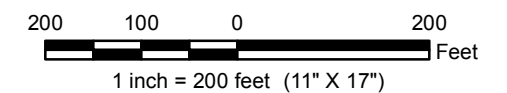
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- |   |  |   |   |  |
|---|--|---|---|--|
| <ul style="list-style-type: none"><li>Proposed Underwater Cable Route</li><li>Proposed Underground Cable Route</li><li>Proposed AC Cable Route</li><li>Cable Route LOD</li><li>Construction Laydown LOD</li><li>Proposed Converter Station Site</li></ul> | <ul style="list-style-type: none"><li>Field Survey Corridor</li><li>Railroad</li><li>US Highway</li><li>US Route</li><li>State Route</li><li>Local Road</li><li>PASDA River   Stream</li><li>Contour (10ft.)</li></ul> | <b>USDA Soils</b> <ul style="list-style-type: none"><li>BdA - Birdsall silt loam, 0 to 2 percent slopes</li><li>CgB - Conotton coarse sandy loam, 0 to 8 percent slopes</li><li>CgD - Conotton coarse sandy loam, 15 to 25 percent slopes</li></ul> | <ul style="list-style-type: none"><li>CkD - Conotton gravelly sandy loam, 15 to 25 percent slopes</li><li>CmB - Conotton gravelly sandy loam, moderately well drained variant, 3 to 8 percent slopes</li><li>HaA - Halsey loam, 0 to 3 percent slopes</li><li>PbB - Platea silt loam, 2 to 8 percent slopes</li></ul> | <ul style="list-style-type: none"><li>PcB - Platea silt loam, moderately well drained variant, 2 to 8 percent slopes</li><li>PcD - Platea silt loam, moderately well drained variant, 15 to 25 percent slopes</li><li>WdA - Wayland silt loam, 0 to 3 percent slopes</li></ul> |
|---|--|---|---|--|

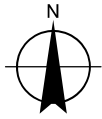
**USDA SOILS MAP  
ERIE COUNTY, PENNSYLVANIA**

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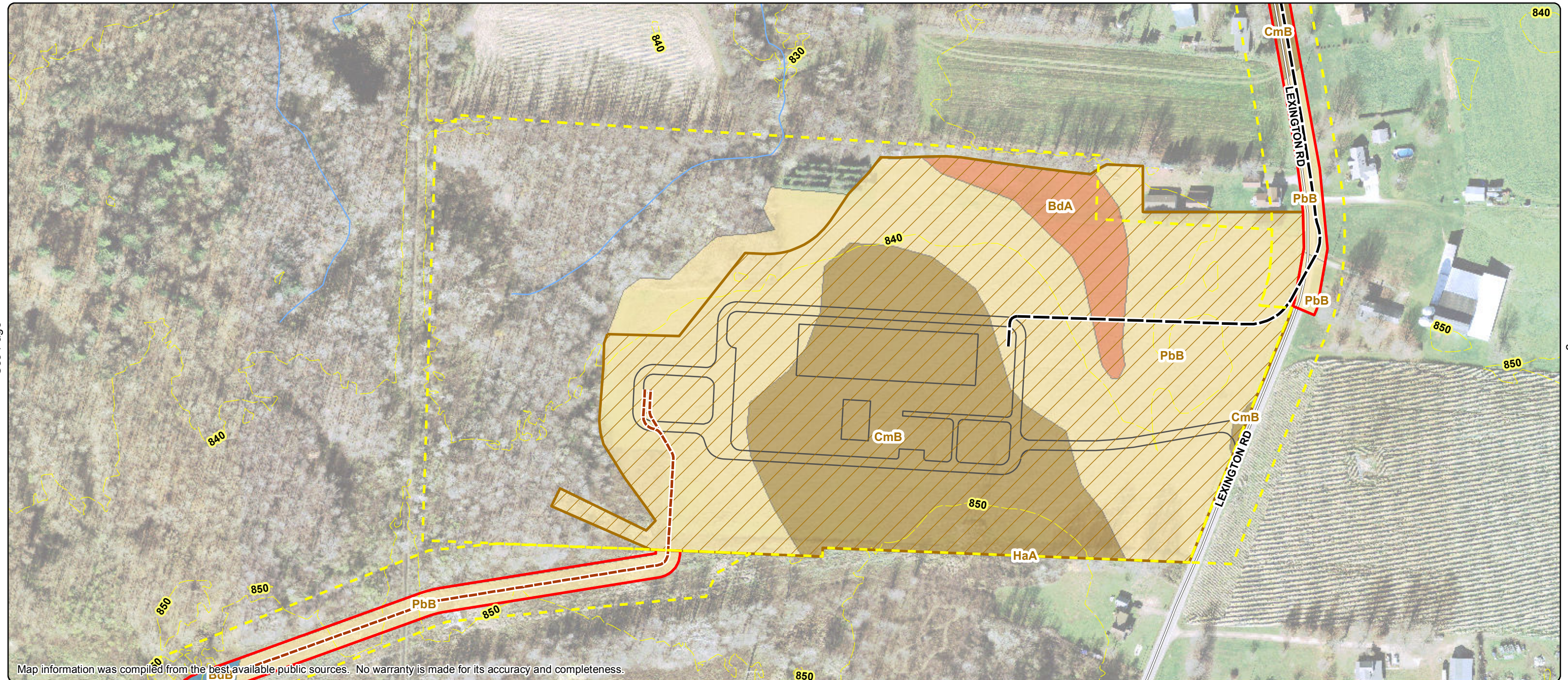


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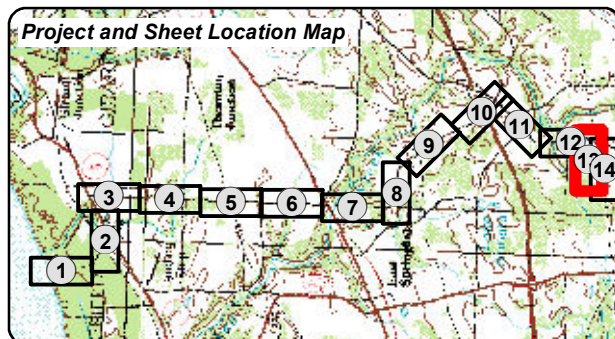


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See Page 14



- Proposed Underwater Cable Route
- Proposed Underground Cable Route
- Proposed AC Cable
- Cable Route LOD
- Construction Laydown LOD
- Proposed Converter Station Site

- Field Survey Corridor
- Railroad
- US Highway
- US Route
- State Route
- Local Road
- PASDA River | Stream
- Contour (10ft.)

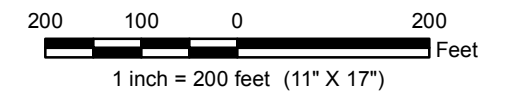
- USDA Soils**
- BdA - Birdsall silt loam, 0 to 2 percent slopes
  - BdB - Birdsall silt loam, 2 to 4 percent slopes

- CmB - Conotton gravelly sandy loam, moderately well drained variant, 3 to 8 percent slopes

- HaA - Halsey loam, 0 to 3 percent slopes
- PbB - Platea silt loam, 2 to 8 percent slopes

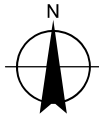
**USDA SOILS MAP  
ERIE COUNTY, PENNSYLVANIA**

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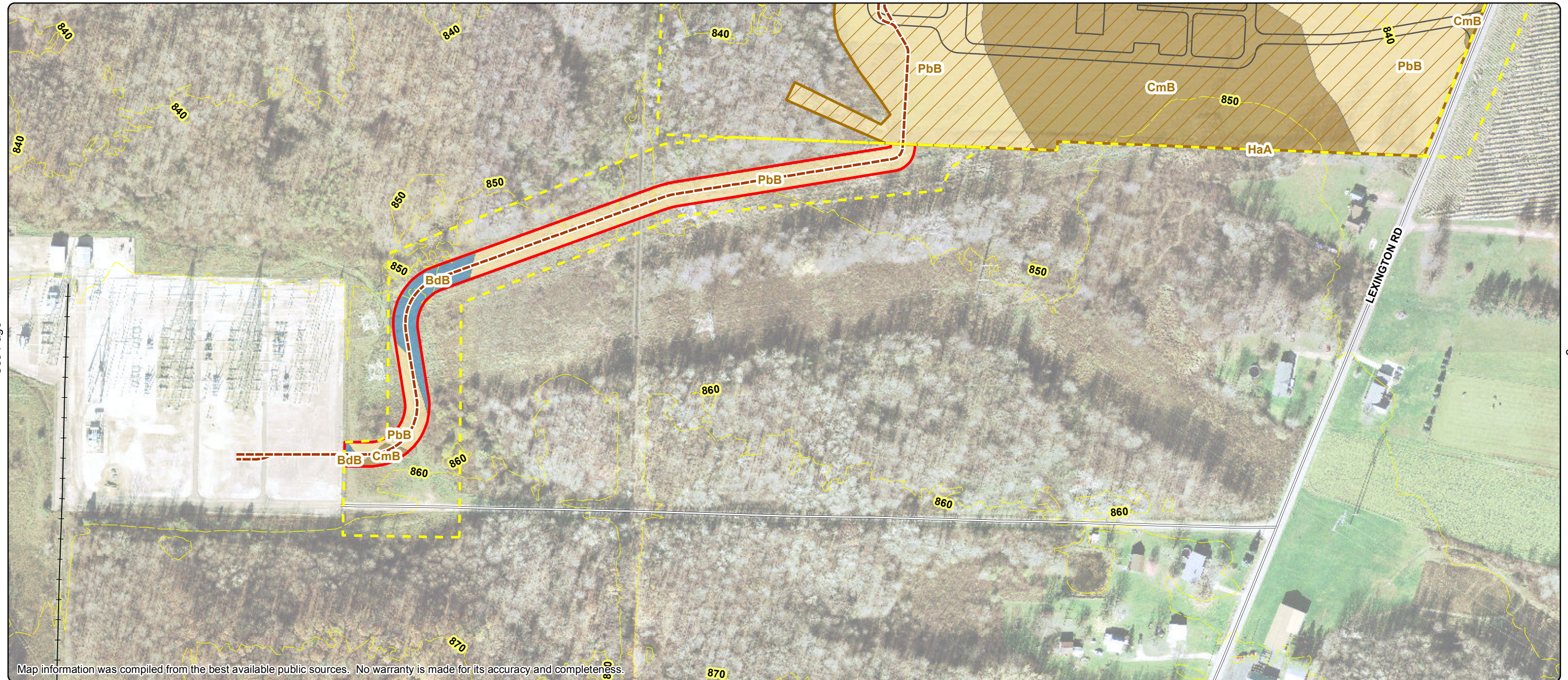


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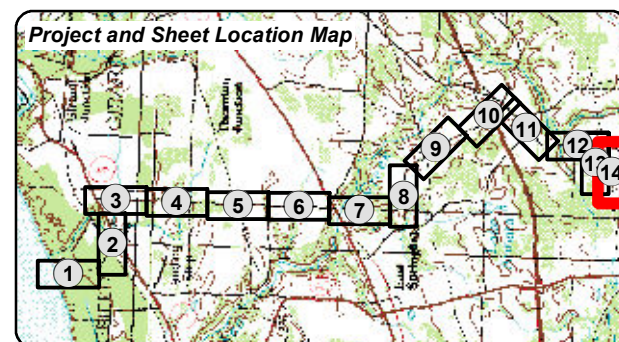


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Map information was compiled from the best available public sources. No warranty is made for its accuracy and completeness.

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- Proposed Underwater Cable Route
- Proposed Underground Cable Route
- Proposed AC Cable Route
- Cable Route LOD
- Construction Laydown LOD
- Proposed Converter Station Site
- Field Survey Corridor
- Railroad
- US Highway
- US Route
- State Route
- Local Road
- PASDA River | Stream
- Contour (10ft.)

USDA Soils

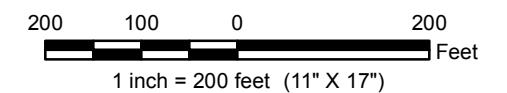
BdB - Birdsall silt loam, 2 to 4 percent slopes

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USDA SOILS MAP  
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