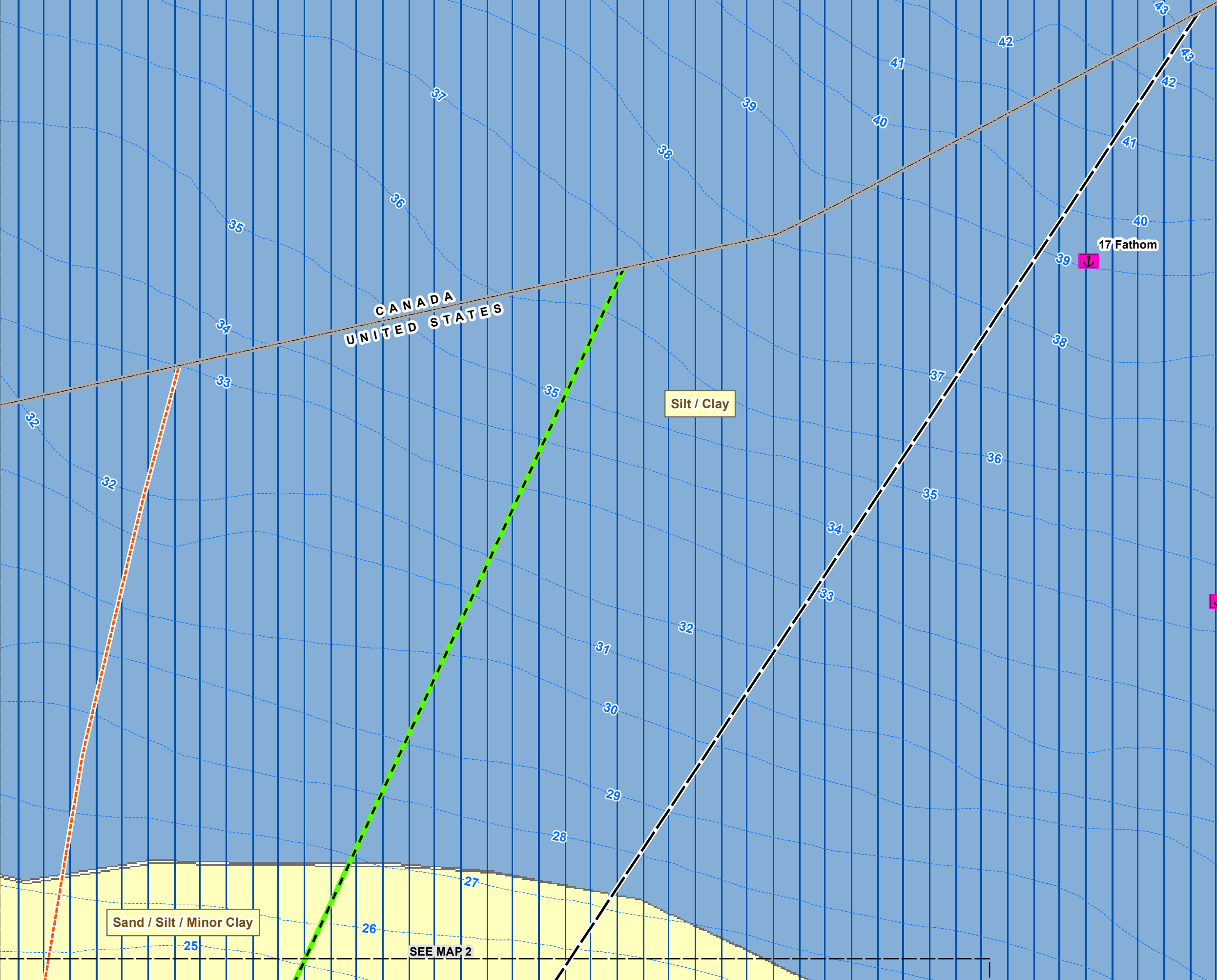


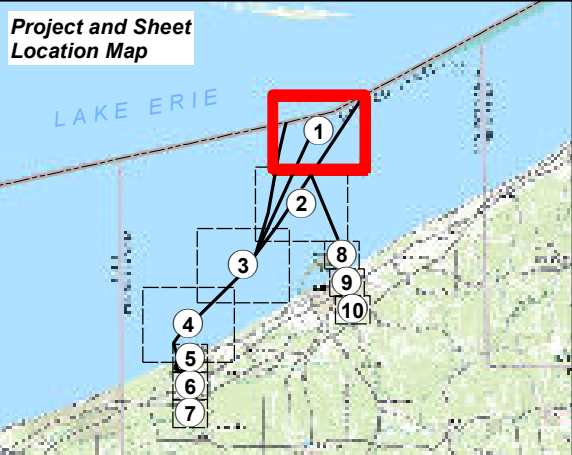
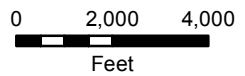
APPENDIX B

U.S. UNDERWATER AND UNDERGROUND ALTERNATIVE 1

LAKE ERIE CONNECTOR PROJECT
U.S. UNDERWATER AND
UNDERGROUND ALTERNATIVES



- International Boundary (NOAA)
- Underwater Cable Route**
 - Alternative 1 Route
 - Alternative 2 Route
 - Alternative 3 Route
- 1 Meter Isobath Contour (NOAA)
- Shipwreck (Location May Be Uncertain)
- Offshore Habitat Zone (GLIN)
- Surficial Unit (CSR)**
 - Silt / Clay
 - Sand / Silt / Minor Clay

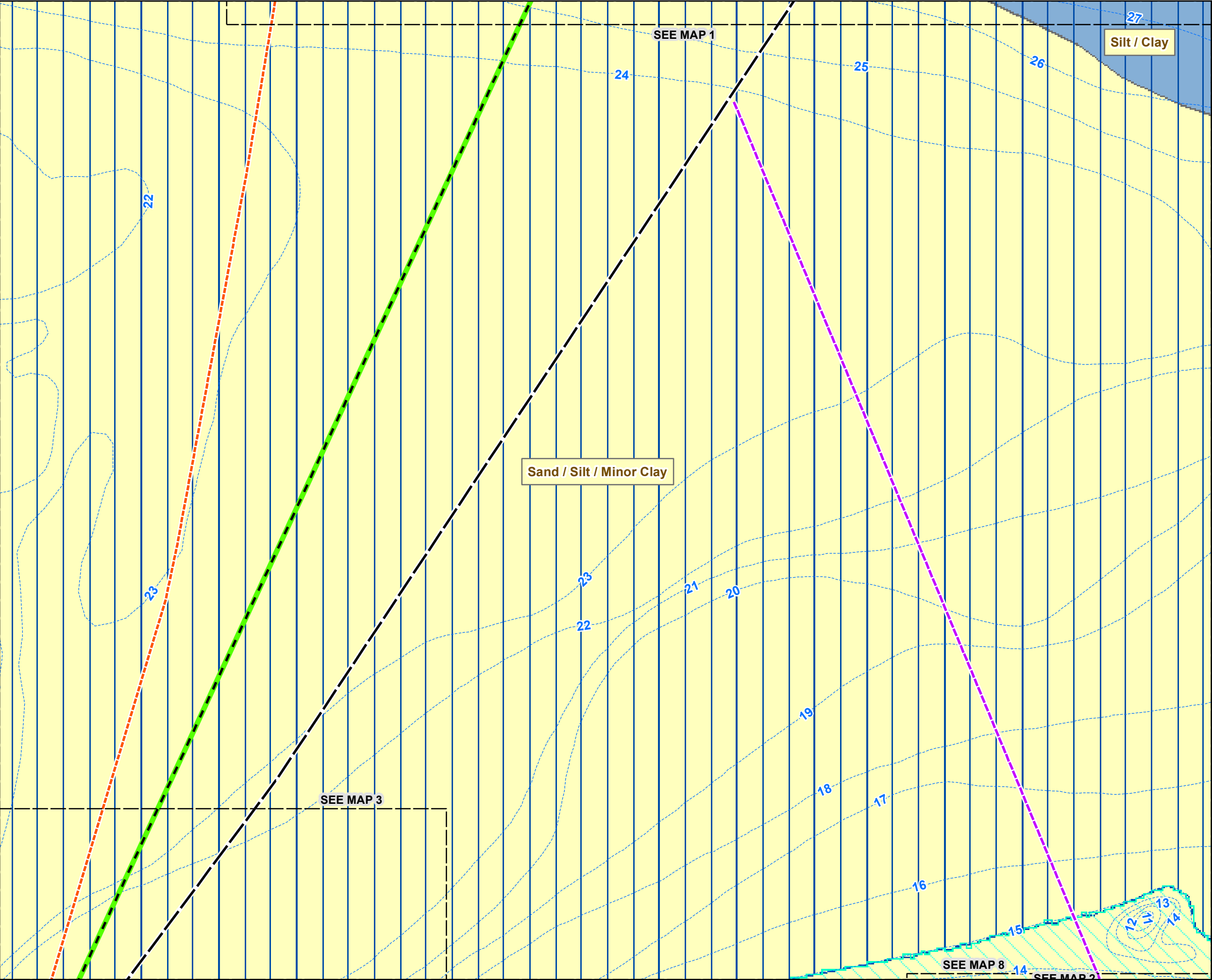


Appendix B: Map 1 of 10

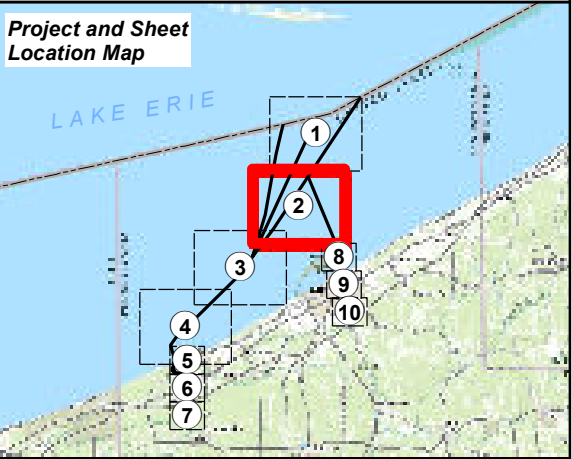
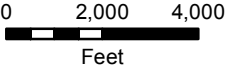
Prepared for: ITC Lake Erie Connector LLC
Prepared by: HDR Engineering, Inc. | May 2015

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LAKE ERIE CONNECTOR PROJECT
U.S. UNDERWATER AND
UNDERGROUND ALTERNATIVES



- Underwater Cable Route**
- Alternative 1 Route
 - Alternative 2 Route
 - Alternative 3 Route
 - Alternative 4 Route
- 1 Meter Isobath Contour (NOAA)**
- Nearshore Habitat Zone 3 - 5 m (GLIN)**
- Offshore Habitat Zone (GLIN)**
- Surficial Unit (CSR)**
- Silt / Clay
 - Sand / Silt / Minor Clay



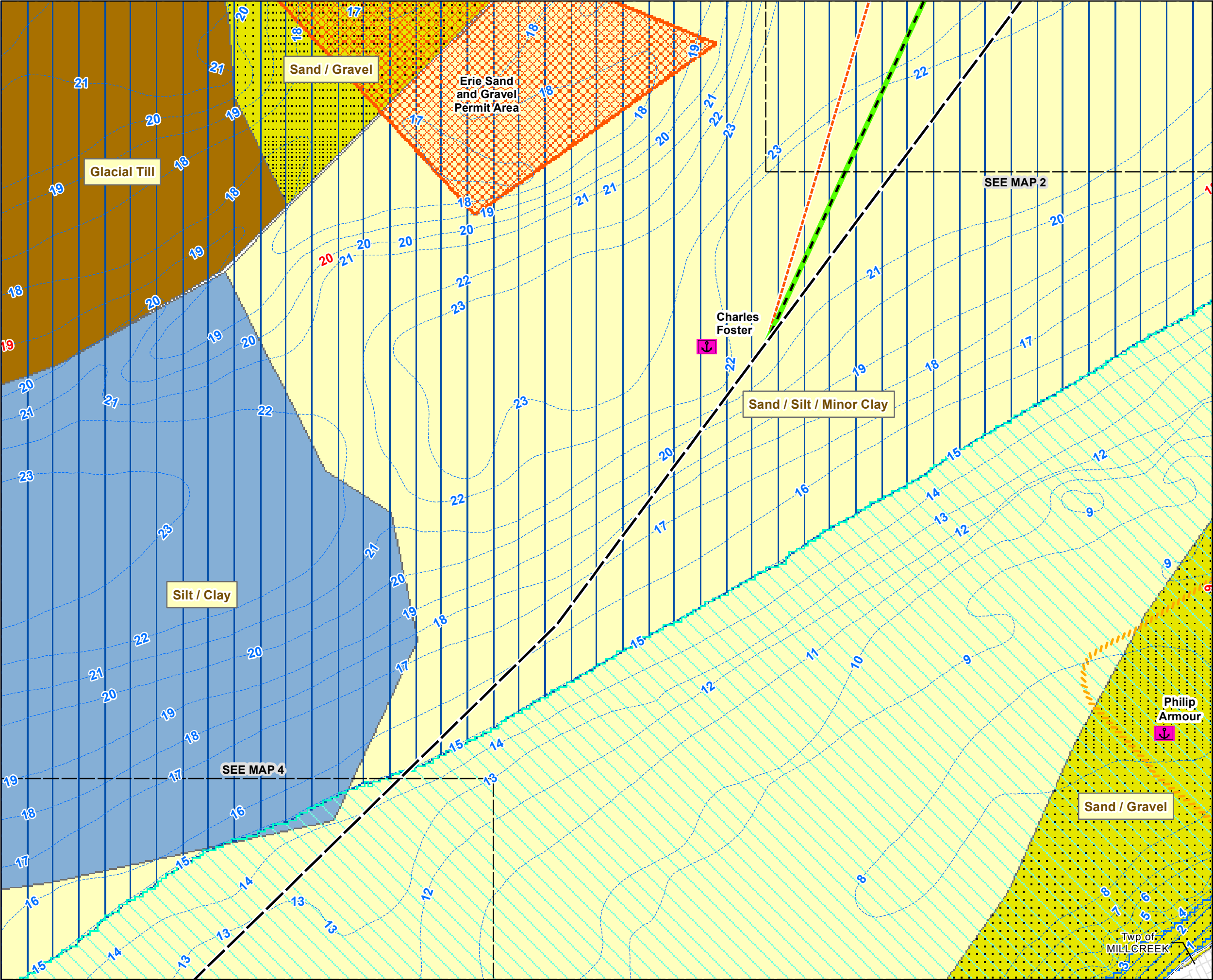
Appendix B: Map 2 of 10

Prepared for: ITC Lake Erie Connector LLC

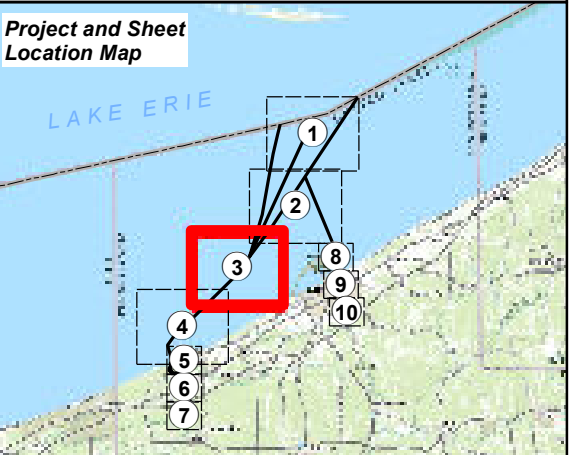
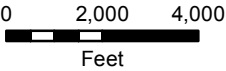
Prepared by: HDR Engineering, Inc. | May 2015

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LAKE ERIE CONNECTOR PROJECT
U.S. UNDERWATER AND
UNDERGROUND ALTERNATIVES



- Underwater Cable Route**
- Alternative 1 Route
 - Alternative 2 Route
 - Alternative 3 Route
 - 1 Meter Isobath Contour (NOAA)
- Shipwreck (Location May Be Uncertain)**
- Charles Foster
 - Philip Armour
- Roads (PAMAP)**
- Watercourse (PAMAP)
- Exceptional, High, or Notable Area**
- Erie Sand and Gravel Permit Area
- Coastal Margin < 3m (GLIN)**
- Nearshore Habitat Zone 3 - 5 m (GLIN)**
- Offshore Habitat Zone (GLIN)**
- Surficial Unit (CSR)**
- Silt / Clay
 - Sand / Silt / Minor Clay
 - Sand / Gravel
 - Glacial Till



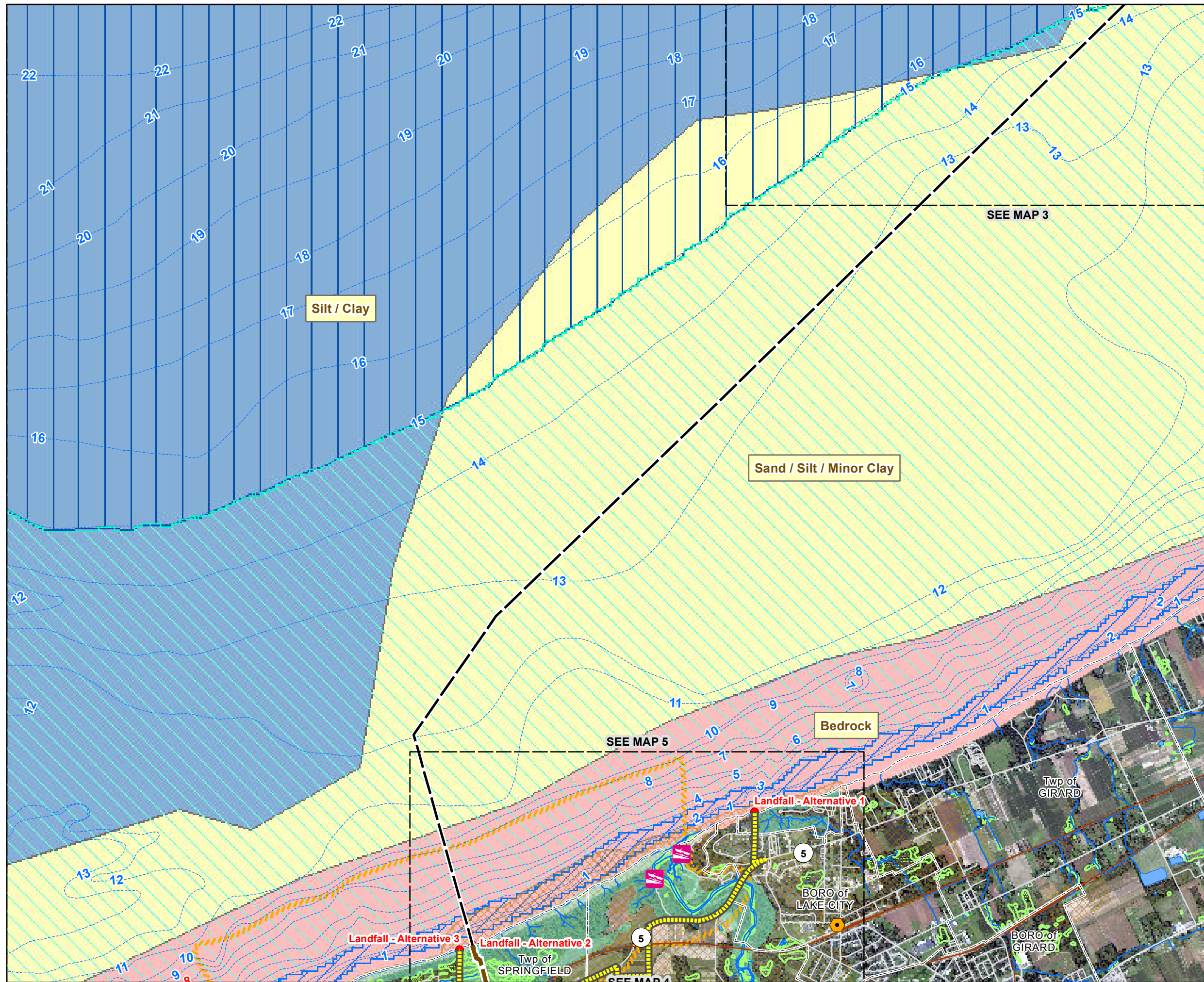
Appendix B: Map 3 of 10

Prepared for: ITC Lake Erie Connector LLC

Prepared by: HDR Engineering, Inc. | May 2015

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**LAKE ERIE CONNECTOR PROJECT
U.S. UNDERWATER AND
UNDERGROUND ALTERNATIVES**



- Underwater Cable Route**

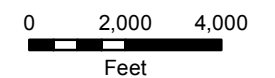
 - Alternative 1 Route

Underground Cable Route

 - Alternative 1 Route
 - Previously Considered Route
 - 1 Meter Isobath Contour (NOAA)
 - Potential Landfall
 - Fishing Boat Ramp
 - Historic or Archaeologic Site (Pa Historic Museum Commn)
 - Railroad (PAMAP)
 - Roads (PAMAP)
 - Watercourse (PAMAP)
 - Watercourse (PAMAP)
 - NWI Wetland
 - Exceptional, High, or Notable Area
 - Core Habitat (PNHP)
 - Supporting Habitat (PNHP)
 - Coastal Margin < 3m (GLIN)
 - Nearshore Habitat Zone 3 - 5 m (GLIN)
 - Offshore Habitat Zone (GLIN)
 - Project Delineated Wetland
 - Project Delineated Stream

Surficial Unit (CSR)

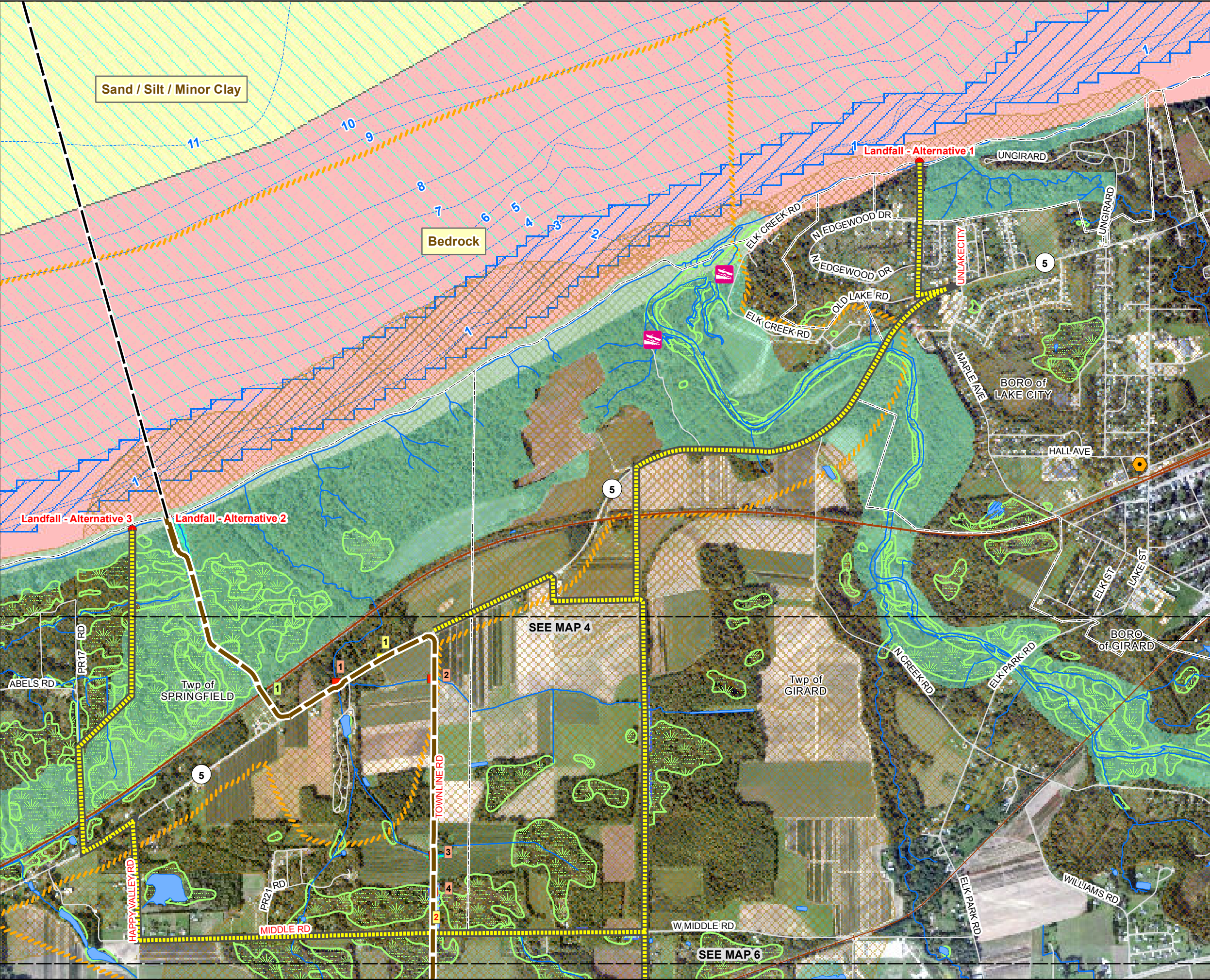
 - Silt / Clay
 - Sand / Silt / Minor Clay
 - Bedrock



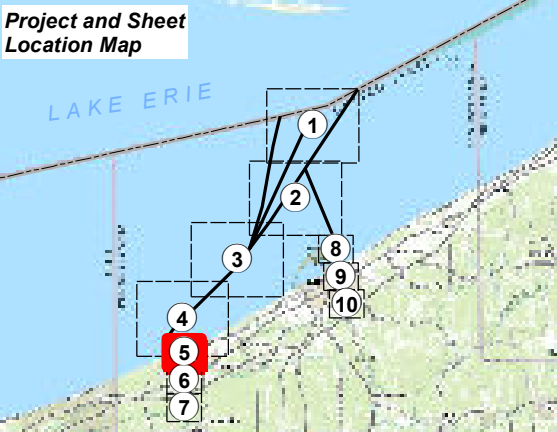
Appendix B: Map 4 of 10

Prepared for: ITC Lake Erie Connector LLC
Prepared by: HDR Engineering, Inc. | May 2015

LAKE ERIE CONNECTOR PROJECT
U.S. UNDERWATER AND
UNDERGROUND ALTERNATIVES



- Underwater Cable Route**
- Alternative 1 Route
- Underground Cable Route**
- Alternative 1 Route
 - Previously Considered Route
 - 1 Meter Isobath Contour (NOAA)
- Potential Landfall**
- Fishing Boat Ramp
 - Historic or Archaeologic Site (Pa Historic Museum Commn)
- Route Crossing (With Sequential Number)**
- Railroad
 - Road
 - Stream
 - Railroad (PAMAP)
 - Roads (PAMAP)
 - Watercourse (PAMAP)
 - Watercourse (PAMAP)
 - NWI Wetland
 - Exceptional, High, or Notable
 - Core Habitat (PNHP)
 - Supporting Habitat (PNHP)
 - Coastal Margin < 3m (GLIN)
 - Nearshore Habitat Zone 3 - 5 m (GLIN)
 - Project Delineated Wetland
 - Project Delineated Stream
- Surficial Unit (CSR)**
- Sand / Silt / Minor Clay
 - Bedrock

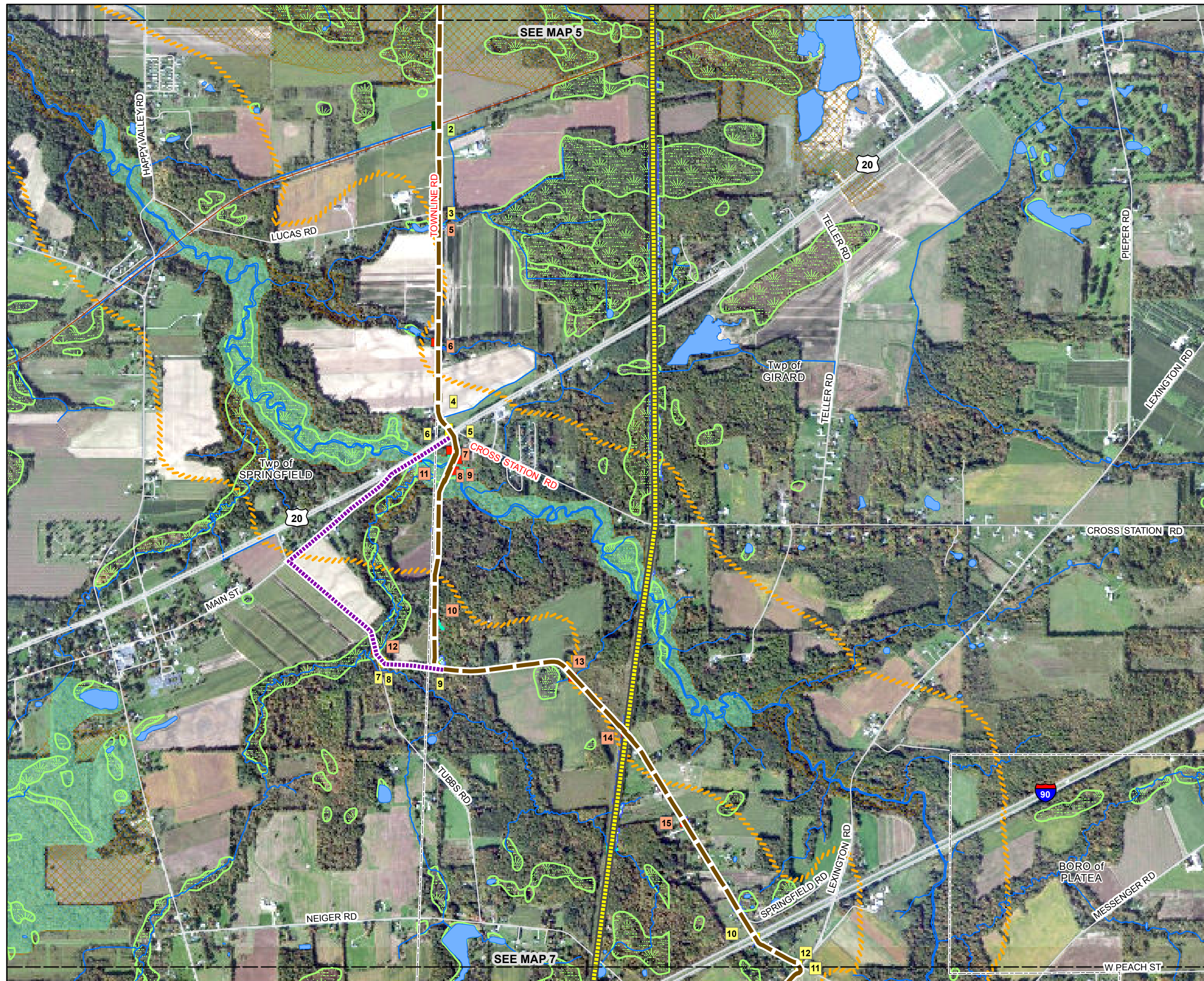


Appendix B: Map 5 of 10

Prepared for: ITC Lake Erie Connector LLC
Prepared by: HDR Engineering, Inc. | May 2015

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**LAKE ERIE CONNECTOR PROJECT
U.S. UNDERWATER AND
UNDERGROUND ALTERNATIVES**

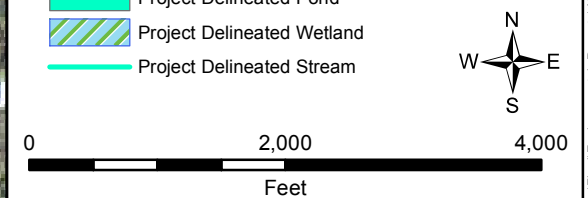


Underground Cable Route

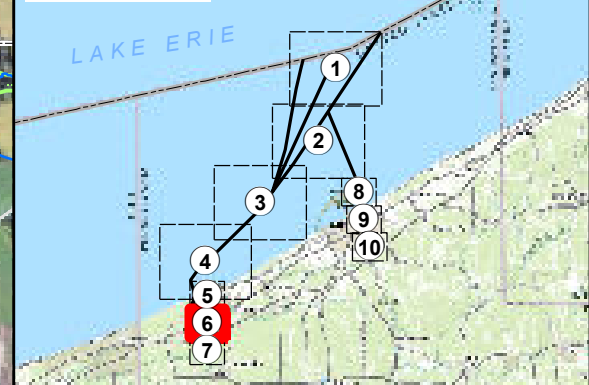
-  Alternative 1 Route
-  Alternative 1A Route
-  Previously Considered Route

Route Crossing (With Sequential Number)

-  Railroad
-  Road
-  Stream
-  Railroad (PAMAP)
-  Roads (PAMAP)
-  Watercourse (PAMAP)
-  Watercourse (PAMAP)
-  NWI Wetland
-  Exceptional, High, or Notable
-  Core Habitat (PNHP)
-  Supporting Habitat (PNHP)
-  Project Delineated Pond
-  Project Delineated Wetland
-  Project Delineated Stream



Project and Sheet Location Map



Appendix B: Map 6 of 10

Prepared for: ITC Lake Erie Connector LLC

Prepared by: HDR Engineering, Inc. | May 2015

Path: N:\GIS2\Projects\Lake_Erie_Power_Corporation\211948_SubseaCable_SM_Task1\Map_Docs\FinalEnvironmental_Reports\Alternative_Analysis\LEPC_Appendix_B_EA_Underwater_Underground_Alternatives_20150507.mxd