



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: siting.council@ct.gov

www.ct.gov/csc

September 7, 2017

TO: Parties and Intervenors

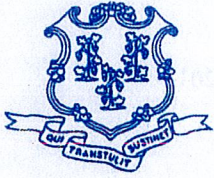
FROM: Melanie Bachman, Executive Director *MB*

RE: **DOCKET NO. 461A** - Eversource Energy application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance, and operation of a 115-kilovolt (kV) bulk substation located at 290 Railroad Avenue, Greenwich, Connecticut, and two 115-kV transmission circuits extending approximately 2.3 miles between the proposed substation and the existing Cos Cob Substation, Greenwich, Connecticut, and related substation improvements. Reopening of this docket based on changed conditions pursuant to Connecticut General Statutes §4-181a(b).

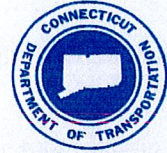
Comments have been received from the Department of Transportation, dated August 31, 2017. A copy of the comments is attached for your review.

MB/RDM/laf

c: Council Members



STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION



2800 BERLIN TURNPIKE, P.O. BOX 317546
NEWINGTON, CONNECTICUT 06131-7546

August 31, 2017

Mr. Kenneth Bowes, Vice President
Transmission Performance
Eversource Energy
107 Selden Street
Berlin, Connecticut 06037

Dear Mr. Bowes:

Subject: Greenwich Substation and Line Project – Greenwich, Connecticut
Connecticut Siting Council-Docket 461A

On Thursday, August 24, 2017, a meeting was held among representatives from the Department of Transportation (Department) and Eversource Energy - Transmission Department (Eversource) to review, discuss and agree conceptually to the Alternative Modified Project Proposed Pipe Jacking Route for the Greenwich Substation and Line Project in Greenwich, Connecticut.

The Department has reviewed the proposed route shown on map sheets(s) 1 thru 8 (see attached pdf) and expressed the following concerns with regard to the proposed underground transmission facility (facility) installation for the Alternative Modified Project Proposed Pipe Jacking Route to various representatives from Eversource.

General Comments:

The placement for the proposed underground transmission facility must be in compliance with the Department's "Utility Accommodation Manual" dated February 2009. Furthermore, Eversource must submit to the Department a letter requesting approval, with all required supporting documentation, for the longitudinal placement (occupancy) for the facility within the limited access highway of Interstate 95. The depth of the facility should be adequate as to avoid any future conflicts with the potential expansion of Interstate 95. The construction and access for the future maintenance of the facility must be attained from the local roads.

Sheet 1:

The Department expressed concern regarding the area occupied by the facility and recommended modifying the path for transmission line 1020 and transmission line 1702 from the existing Cos Cob Substation as it passes through a parking lot on state rail property. The Department is requesting Eversource to minimize the impact to the parking spaces affected in the parking lot. Furthermore, construction should be staged as to minimize the flow of traffic through the area during normal business hours.

Sheets 1 and 2:

All effort should be made for the installation of the facility as close as possible longitudinally to Sound Shore Drive which would be as far away as possible from Interstate 95. The Department is opposed to any attachment of the facility to a bridge structure (Indian Field Road Bridge) over Interstate 95 (limited access highway).

Sheet 2A:

The proposed pipe jacking route will require an in-depth review by the Department to address any concerns regarding the crossing of the Exit 4 off-ramp (southbound), crossing of Exit 4 on-ramp (northbound) and the crossing of Interstate 95 by the occupancy of the facility. Furthermore, the proposed pipe jacking pits shall be placed as far as possible from Interstate 95 northbound and southbound edge of travel way (outside the clear zones).

Sheet 3:

The Department recommends placement of the two proposed splice vaults for the facility outside the traveling roadway (Indian Field Road).

Sheet 4:

The Department recommends placement of the two proposed splice vaults for the facility outside the traveling roadway (Woods Road).

Sheet 5:

The Department has no concerns for the proposed placement of the two splice vaults for the facility within Davis Avenue.

Sheet 6:

The Department recommends placement of the two proposed splice vaults for the facility should be placed outside the traveling roadway (Museum Drive).

Sheet 7:

The Department recommends the two proposed splice vaults for the facility should be placed outside the traveling roadway (Arch Street) and within the parking lot on the north side of Arch Street.

Sheet 8:

The Department recommends placement of the proposed splice vaults for the facility should be placed outside the traveling roadway (Railroad Avenue).

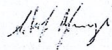
In summary, the Department endorses the Alternative Modified Project Proposed Pipe Jacking Route stipulated that all concerns outlined by the Department are addressed adequately in the future.

Once all of the Department's concerns are addressed adequately, the following shall be required:

1. ConnDOT Highway Encroachment Agreement.
2. ConnDOT Highway Encroachment Permit(s).
3. ConnDOT Rails License Agreement and Right of Entry(s).
4. Metro-North License Agreement.

Should you have any questions regarding the Department's position regarding this proposal outlining the installation for the facility by Eversource, please feel free to contact me at (860) 594-3262.

Sincerely,



Sohrab Afrazi
Transportation Principal Engineer
Utilities Section
Bureau of Engineering and Construction

Attachment

bcc: Andrzej Mysliwiec:mab/sk

Mark D. Rolfe

Scott A. Hill

John Bernick - Richard Jankovich - Jayantha Mather - Julie Thomas - Theodore Smigelski

Theodore Nezames - Timothy Fields - Robert Zaffetti

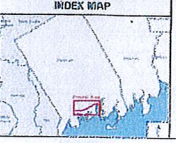
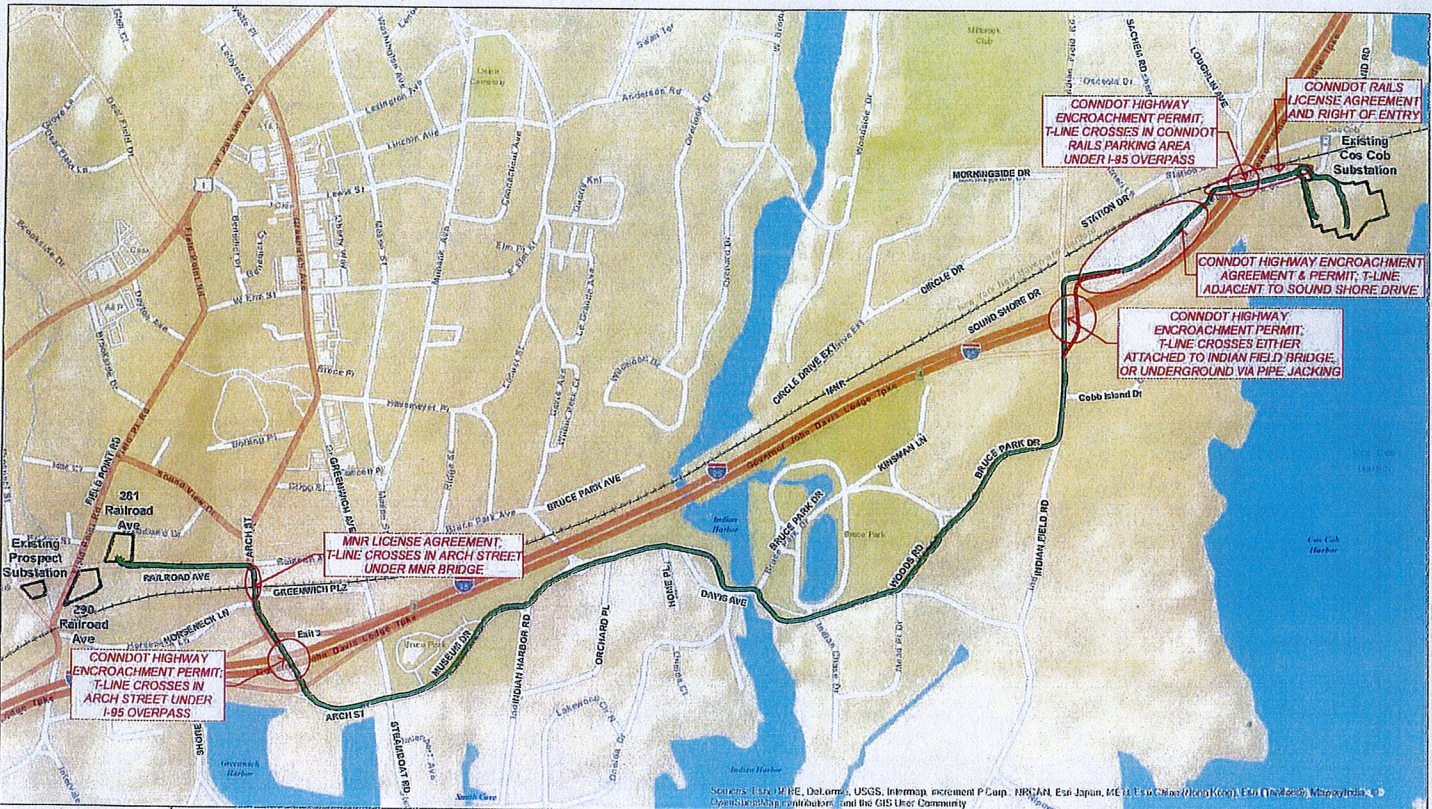
Gregory Dorosh - Susan Libatique - Nilesch Patel - Marissa Washburn - Peter Brazaitis

John DeCastro - David Hiscox - Paul Holmes

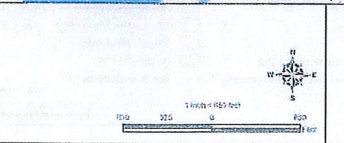
Mark Carlino - Tracy Fogarty

James A. Fallon - Sohrab Afrazi - Andrzej Mysliwiec - Xiuyun Cai

S:\Desser\Utilities Section\Clerical Folder\Sohrab Afrazi\Docket 461A (Eversource)



Legend	
	Alternate Modified Routes
	Proposed Pipe Jacking Routes
	Railroad
	CONNDOT/MNR Agreement/Permit Required
	281 Railroad Ave
	290 Railroad Ave
	Existing Cos Cob Substation Location
	Existing Prospect Substation Location



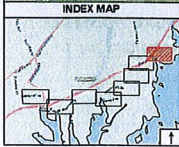
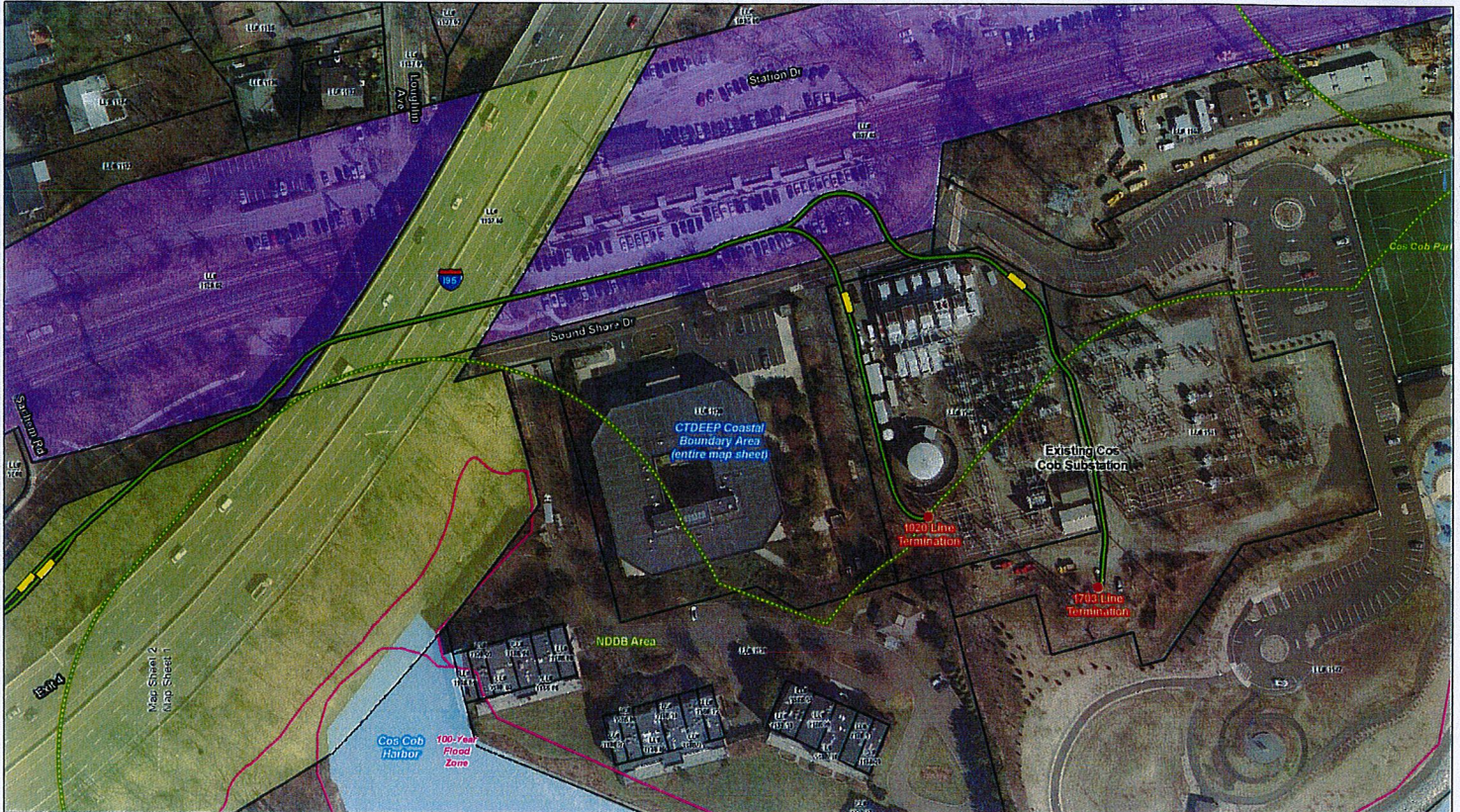
Alternate Modified Project
CONNDOT and MNR Rights
 Greenwich Substation and Line Project
 Greenwich, Connecticut

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Source: Esri, MPE, DeLorme, USGS, Intermap, increment P Corp., GEBCO, Esri, Japan, METI, Esri, Swisstopo, Swisstopo, IGN, Esri, Mapbox, OpenStreetMap contributors, and the GIS User Community



Legend		FEMA Flood Zones		Map Sheet Matchline	
● Substation Termination	Stomwater Outfall	100-Year Flood Zone	ConnDOT Highway	DRAFT	
— Alternate Modified Route	Inland Wetland	500-Year Flood Zone	ConnDOT Rails		
■ Proposed Splice Vault	Waterbody				
— Proposed New Pedestrian Bridge	Coastal Boundary (CTDEEP GIS)				
■ Alternate Project Material Staging Area Location	Natural Diversity Database Area (12/2016)				
○ Approximate Parcel Boundary	Bruce Park				

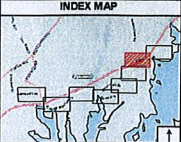
Alternate Modified Project Location
Project Location
Map Sheet 1 of 8

Greenwich Substation and Line Project
 Greenwich, Connecticut

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Legend

- Substation Termination
- Alternate Modified Route
- Proposed Splice Vault
- Proposed New Pedestrian Bridge
- Alternate Project Material Staging Area Location
- Approximate Parcel Boundary
- Stormwater Outfall
- Inland Wetland
- Waterbody
- Coastal Boundary (CTDEEP GIS)
- Natural Diversity Database Area (12/2016)
- Bruce Park
- FEMA Flood Zones
 - 100-Year Flood Zone
 - 500-Year Flood Zone
 - Floodway
- Map Sheet Matchlines
- ConnDOT Highway
- ConnDOT Rails

DRAFT

1 inch = 100 feet

Base Map: 2016 Orthophotography (CTDECO Map Service)

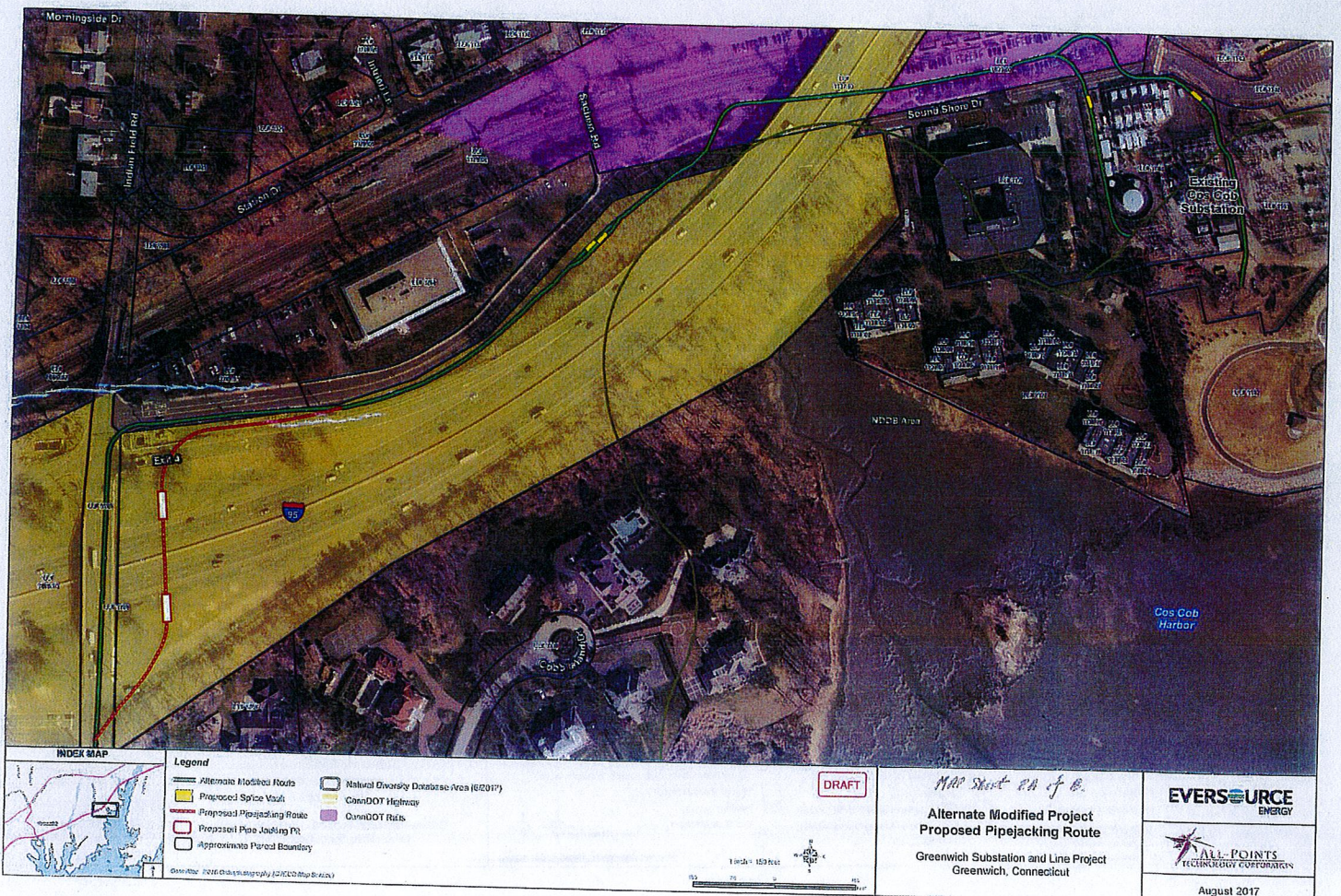
Alternate Modified Project Location
Map Sheet 2 of 8

Greenwich Substation and Line Project
 Greenwich, Connecticut

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- Legend**
- Alternate Modified Route
 - Proposed Splice Vault
 - Proposed Pipejacking Route
 - Proposed Pole Jacking Pt.
 - Approximate Parcel Boundary
 - Natural Diversity Database Area (NDDA)
 - ConnDOT Highway
 - ConnDOT Rule

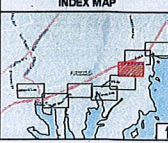
DRAFT

MAP Sheet PA of B.
 Alternate Modified Project
 Proposed Pipejacking Route
 Greenwich Substation and Line Project
 Greenwich, Connecticut

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August 2017



Legend	
● Substation Termination	Stomwater Outfall
— Alternate Modified Route	Inland Wetland
— Proposed Splice Vault	Waterbody
— Proposed New Pedestrian Bridge	Coastal Boundary (CTDEEP GIS)
— Alternate Project Material Staging Area Location	Natural Diversity Database Area (12/2016)
○ Approximate Parcel Boundary	Bruce Park
— FEMA Flood Zones	100-Year Flood Zone
— FEMA Flood Zones	500-Year Flood Zone
— FEMA Flood Zones	Floodway
— FEMA Flood Zones	Map Sheet Matchline
— ConnDOT Highway	ConnDOT Rails

DRAFT

**Alternate Modified Project
Project Location
Map Sheet 3 of 8**

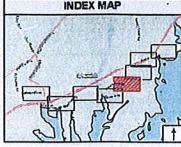
Greenwich Substation and Line Project
Greenwich, Connecticut

1 inch = 100 feet

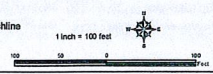
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Legend	
● Substation Termination	Stormwater Outfall
— Alternate Modified Route	Inland Wetland
■ Proposed Splice Vault	Waterbody
— Proposed New Pedestrian Bridge	Coastal Boundary (CTDEEP GIS)
□ Alternate Project Material Staging Area Location	Natural Diversity Database Area (12/2016)
□ Approximate Parcel Boundary	Bruce Park
	FEMA Flood Zones
	100-Year Flood Zone
	500-Year Flood Zone
	Floodway
	Map Sheet Matchline
	ConnDOT Highway
	ConnDOT Rails



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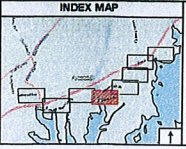
**Alternate Modified Project
Project Location
Map Sheet 4 of 8**

Greenwich Substation and Line Project
Greenwich, Connecticut

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Legend	
● Substation Termination	Stormwater Outfall
Alternate Modified Route	Inland Wetland
Proposed Splice Vault	Waterbody
Proposed New Pedestrian Bridge	Coastal Boundary (CTDEEP GIS)
Alternate Project Material Staging Area Location	Natural Diversity Database Area (12/2016)
Approximate Parcel Boundary	Bruce Park
FEMA Flood Zones	ConnDOT Highway
100-Year Flood Zone	ConnDOT Rails
500-Year Flood Zone	Floodway
Floodway	Map Sheet Matchline

DRAFT

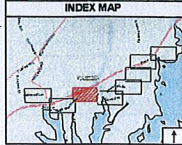
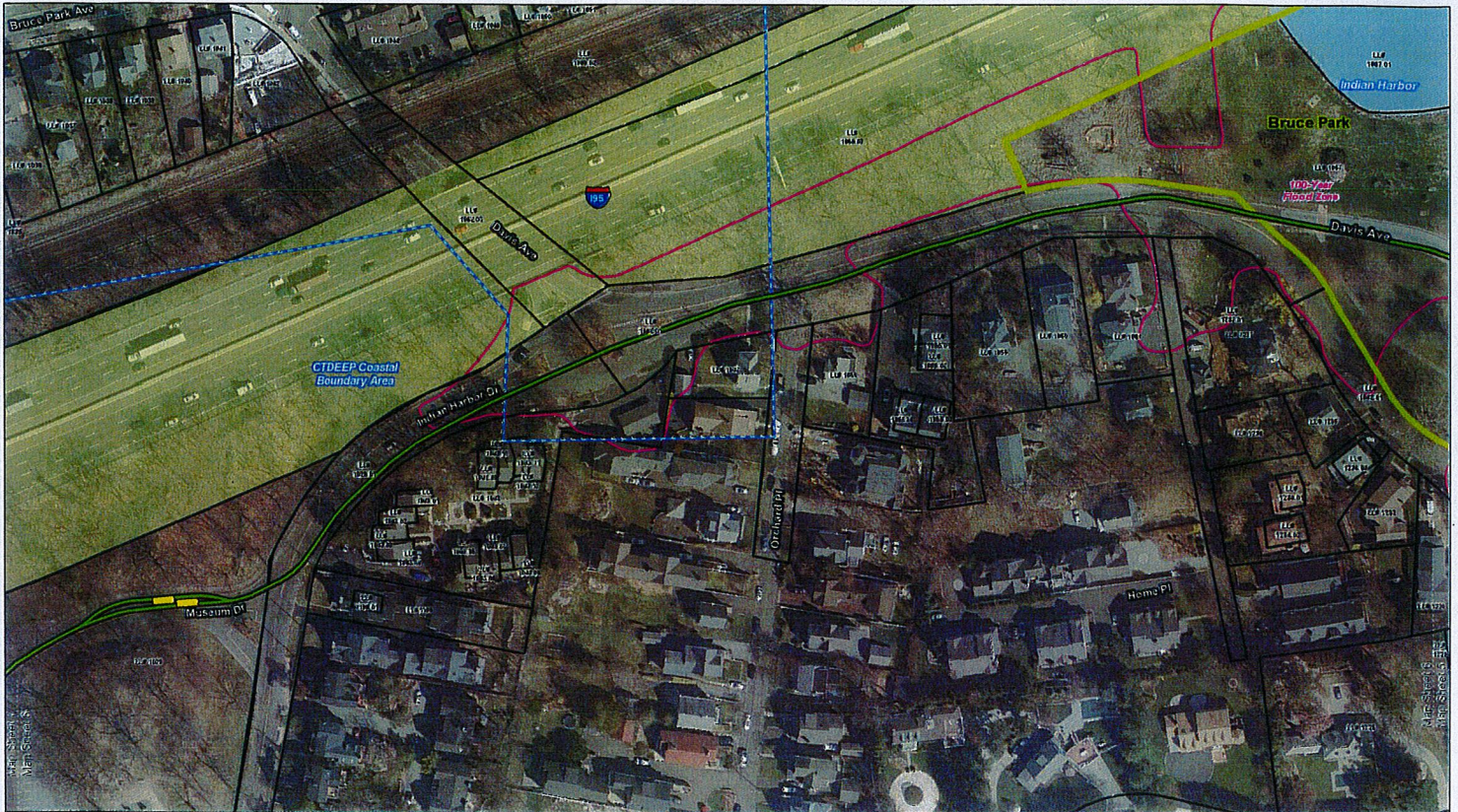
**Alternate Modified Project
Project Location
Map Sheet 5 of 8**

Greenwich Substation and Line Project
Greenwich, Connecticut

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Legend	
● Substation Termination	Stormwater Outfall
— Alternate Modified Route	Inland Wetland
— Proposed Splice Vault	Waterbody
— Proposed New Pedestrian Bridge	Coastal Boundary (CTDEEP GIS)
— Alternate Project Material Staging Area Location	Natural Diversity Database Area (12/2016)
○ Approximate Parcel Boundary	Bruce Park
	1 inch = 100 feet

FEMA Flood Zones	
— 100-Year Flood Zone	— ConnDOT Highway
— 500-Year Flood Zone	— ConnDOT Rails
— Floodway	
— Map Sheet Matchings	

DRAFT

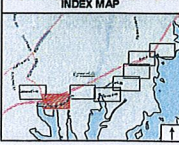
**Alternate Modified Project
Location
Map Sheet 6 of 8**

Greenwich Substation and Line Project
Greenwich, Connecticut

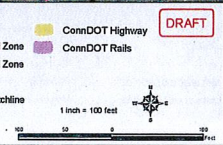
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Legend	
● Substation Termination	Stormwater Outfall
— Alternate Modified Route	Inland Wetland
— Proposed Splice Vault	Waterbody
— Proposed New Pedestrian Bridge	Coastal Boundary (CTDEEP GIS)
— Alternate Project Material Staging Area Location	Natural Diversity Database Area (12/2016)
□ Approximate Parcel Boundary	Bruce Park
	FEMA Flood Zones
	100-Year Flood Zone
	500-Year Flood Zone
	Floodway
	Map Sheet Matchline
	ConnDOT Highway
	ConnDOT Rails



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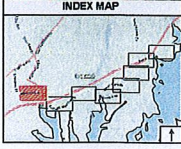
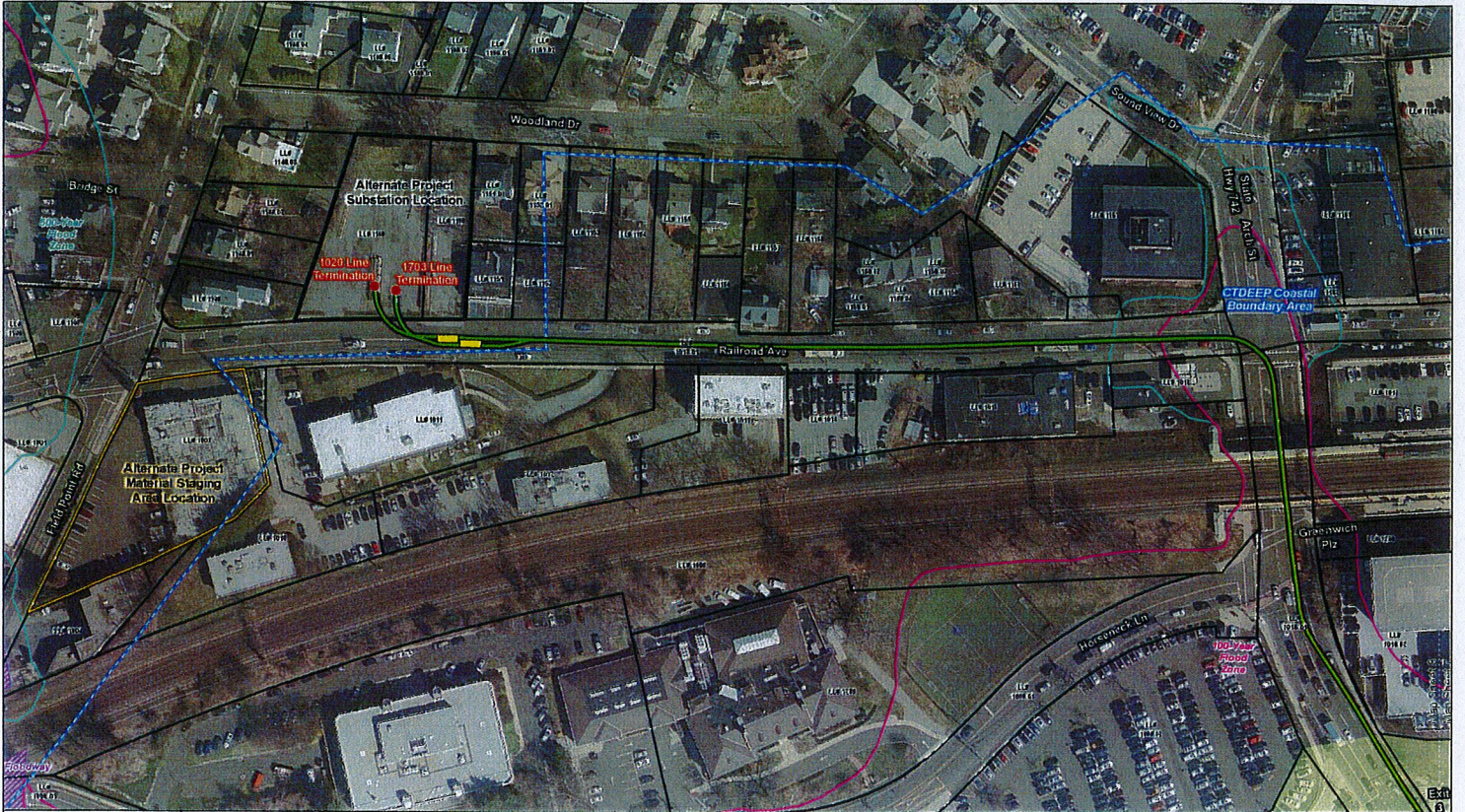
Alternate Modified Project Location
Map Sheet 7 of 8

Greenwich Substation and Line Project
 Greenwich, Connecticut

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May 2017



Legend		FEMA Flood Zones		Other Features	
● Substation Termination	— Stormwater Outfall	100-Year Flood Zone	● Inland Wetland	— ConnDOT Highway	DRAFT
— Alternate Modified Route	— Waterbody	500-Year Flood Zone	— Coastal Boundary (CTDEEP GIS)	— ConnDOT Rails	
■ Proposed Splice Vault	— Natural Diversity Database Area (12/2016)	— Floodway	— Bruce Park		
— Proposed New Pedestrian Bridge		Map Sheet Matchline			
— Alternate Project Material Staging Area Location					
□ Approximate Parcel Boundary					

Alternate Modified Project Location
Map Sheet 8 of 8
 Greenwich Substation and Line Project
 Greenwich, Connecticut

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