

## **MEMORANDUM OF UNDERSTANDING**

**AGREEMENT** made this 3/24 day of 2022 ("Agreement"), by and between **NSTAR ELECTRIC COMPANY**, d/b/a Eversource Energy a corporation and public utility, having its principal place of business at One NSTAR Way, Westwood, Massachusetts 02090("Eversource"), and the **DEPARTMENT OF CONSERVATION AND RECREATION**, a state agency of the Commonwealth of Massachusetts, with a principal address at 251 Causeway Street, Suite 600, Boston, Massachusetts 02114 ("DCR").

### **RECITALS:**

**WHEREAS**, on December 24, 1976, the Boston and Maine Corporation ("B&M") conveyed to the Massachusetts Bay Transportation Authority ("MBTA") certain property owned by the B&M (the "Massachusetts Central Rail Line" or the "Property"), by an indenture recorded in the Registry in Book 13117, Page 113. On February 6, 1977, the MBTA adopted an order of taking, recorded on March 17, 1977, in Book 13156, Page 34; and

**WHEREAS**, The MBTA as the fee owner of the property, entered into a 99 year lease with the DCR on December 30, 2010, for the construction and maintenance of a Rail Trail known as the Massachusetts Central Rail Trail ("MCRT") along the leased portion of the property ("MCRT Leased Premises"), as a recreational and alternative transportation corridor through the Towns of Sudbury, Stow, Marlborough and Hudson; and

**WHEREAS**, Eversource Energy entered into an Option Agreement (the "Option") on June 9, 2017, for a permanent and perpetual Easement subject to the Massachusetts Energy and Facility Siting Board ("EFSB") approval to construct a 115 KV Transmission Line Facility ("Transmission Project" per specifications attached hereto and incorporated herein as Exhibit B) on the MBTA's Massachusetts Central Rail Line.

**WHEREAS**, the DCR and Eversource seek to memorialize agreement concerning the construction of the DCR's MCRT Project within its MCRT Leased Premises and Eversource Energy's Transmission Project within the MCRT Leased Premises and the Massachusetts Central Rail Line right of way.

**NOW, THEREFORE**, in consideration of mutual covenants herein contained, the parties agree as follows:

1.0 Upon (a) EFSB project approval, (b) a final certificate under the Massachusetts Environmental Policy Act and (c) receipt of an executed easement from the MBTA and (c) a fully-executed original of this Agreement, Eversource agrees to design and construct in conjunction with the construction of its Transmission Project, a gravel H20-rated road base, within a portion of the MCRT leased premises as approved by DCR and the MBTA. The road base will extend along the MCRT Leased Premises off of Boston Post Road, in Sudbury near

Eversource's substation through the towns of Sudbury, Stow, Marlborough and Hudson. (see specifications attached hereto and incorporated herein as Exhibit A).

2.0 Eversource will construct the gravel base that will serve as the base of the MCRT and will also provide permanent and perpetual access for the construction, reconstruction, maintenance and access to Eversource's Transmission Project. Such access will be by foot, vehicle, truck, crane or other equipment, as deemed necessary in Eversource's sole discretion through the property and to its facilities within and along the Massachusetts Central Branch Rail Line and the MCRT Leased Premises.

3.0 Eversource agrees to allow herbaceous vegetation to be added as shoulders to the gravel base, and a binder and top coat or other surface to be installed on top of Eversource's H20 loading gravel roadbed/ trail sub-base at the expense of the DCR and/or its municipal partners for uses authorized under and in accordance with the lease between DCR and the MBTA.

4.0 DCR and /or its municipal partners agree to design, permit and construct an ADA-accessible rail trail surface, up to 10-foot wide, constructed to withstand H20 loading on top of the roadbed / trail sub-base that Eversource will have constructed. DCR's obligations under this agreement shall be subject to availability of funds and appropriation as made by the Legislature. DCR will not authorize public access to the MCRT Leased Premises until such time that the rail trail surface, as described in this paragraph, is constructed pursuant to the lease between the MBTA and the DCR.

5.0 Eversource shall design, permit, and construct rehabilitate two (2) bridges (Bridge 128, Sudbury and Bridge 130, Hudson) and one (1) bridge replacement (Bridge 127, Sudbury) within the MCRT leased premises. Eversource agrees these improvements can be used and improved upon by the DCR for the uses authorized under and in accordance with the lease between DCR and the MBTA. Eversource agrees to make improvements on those bridges which includes the construction of an ADA-compliant wood decked surface and safety railing that provides a 12-foot clear width and also includes the work necessary to ensure H10 loading for those bridges. In addition, Eversource shall design, permit, and construct a box culvert under Chestnut Street in Hudson that provides a 12-foot clear width and a 10-foot vertical clear height.

6.0 Once constructed, pursuant to the MCRT 99-year Alternative Transportation Corridor Lease Agreement between the MBTA and the DCR, the gravel base, the bridges, the box culvert, the bridge decking and railings and all trail related fixtures and appurtenances will be under the care and control of the DCR. Once constructed, Eversource will not be responsible for maintenance or capital repairs of the MCRT trail including the gravel base, bridges, box culvert, surface, shoulders, road crossings, landscaping, snow plowing for public access, safety signage, guardrails, bridge decking, railings and road crossing equipment, or any other trail way related equipment, appurtenances, plantings or utilities. Eversource shall remain responsible for the maintenance and repair of its electric transmission facilities and related electric transmission appurtenances. The DCR agrees to abide by applicable state and federal permitting conditions and landscaping requirements as set forth by the state or local authorities as outlined in the conditions issued for permitting the MCRT gravel base. Any vegetation removal would be conducted in accordance with DCR's Trail Guidelines and Best Practices Manual where

applicable, and all applicable laws. The DCR further agrees that any DCR improvements constructed will not obstruct, impede or unreasonably interfere with Eversource's access to its Transmission Facilities or the right of way corridor. DCR and Eversource agree that DCR shall have no duty, obligation or liability to Eversource to operate, maintain or make capital repairs to the MCRT, including without limitation or personal injury or property damage arising from Eversource's use of the improvements.

7.0 The DCR plans to install recreational trail improvements in accordance with the lease between DCR and the MBTA. The DCR agrees all proposed improvements, including landscaping within Eversource's easement must be reviewed by Eversource in advance to make sure they are compatible with Eversource's facilities and comply with Eversource's standards for improvements allowed within high-voltage electric transmission corridors.

8.0 Ground Maintenance: DCR agrees to maintain the improved portion of the MCRT leased corridor in accordance with the DCR's lease between the DCR and the MBTA and the DCR's trail way BMP's. The DCR further agrees to incorporate annual mowing over Eversource's manhole and duct bank.

9.0 Invasive Management: Should DCR find it necessary to control invasive plants along the corridor in order to protect the health and safety of the public, the infrastructure of the trail, and / or the habitat values, DCR will follow its BMPs for managing invasive plants as resources and priorities allow. The BMPs include the following guidelines:

- Prevention: Monitor properties annually for potential introductions, especially near boundaries and disturbed areas (e.g., roadsides, trailheads). Eliminate new infestations using hand pulling or weed wrenches when feasible.
- Management Planning: Identify population sizes and locations. Prioritize populations for management based on significance of the resource, aggressiveness of the species, and potential for long-term control.
- Mechanical Control: Hand pulling recommended for young plants and small populations. Cutting or mowing, repeatedly through the season before plants flower, can be good for large monocultures or when root systems are extensive.
- The DCR reserves the option to use herbicides as a tool of last resort for plant infestations that cannot be controlled by mechanical means or represents a risk for maintenance staff. Control of certain species, such as Japanese knotweed (*Polygonum cuspidatum*) can only effectively be controlled by use of herbicides. If DCR finds it necessary to use chemical treatment, this work will be done in compliance with the Massachusetts Department of Agricultural Resources regulations at 333 CMR 11.00.

10.00 Emergencies excepted, Eversource agrees to provide notice to the DCR and affected municipalities five (5) days prior to any scheduled maintenance of the transmission facilities in accordance with the notice provisions outlined in Section 16 of this Agreement. In the case of emergency, Eversource agrees to provide such notification as soon as practicable. The parties understand that the corridor will be occupied by subsurface utility infrastructure, and is being proposed to be used as a public trail way; as such, the parties agree that Eversource is required to maintain 24/7 unobstructed access, and that to ensure public safety, Eversource may from time to time require that portions of the trail way be blocked from public use for a temporary period

which will be dictated by the work that is required to be done, which Eversource shall diligently pursue to minimize any disruption to the MCRT. The expected timeframe for scheduled work will be communicated to the DCR in advance of such work commencing. Eversource and the DCR agree to work together to provide information to the public on any anticipated trail closures via sign postings, municipal notifications and via their respective web sites.

11.0 Emergencies excepted, Eversource agrees to use diligent efforts to minimize disruption to trail users, and, where possible, Eversource agrees to minimize potential damage to the trail surface and shoulders during construction, maintenance and access activities, and agrees to diligently pursue and repair any damage to the MCRT caused by its construction, access, maintenance, and repair of its transmission project, normal wear and tear excepted, provided DCR's pavement or other trail surface was constructed originally to comply with H20 loading. The DCR understands the use that Eversource contemplates under this Agreement and the DCR agrees to construct the paving, or other surface shoulders and aprons to withstand H20 loading to ensure it can accommodate the weight of Eversource's equipment.

12.0 Eversource does not represent or warrant the reasonableness or appropriateness of the public's use of the property, or assume the liability for personal injury or property damage, except for claims arising from or in connection with the negligence or willful misconduct of Eversource, its officers, directors, employees, contractors and consultants.

13. DCR understands and agrees that only grass, gravel or herbaceous vegetation can be placed or planted on top of Eversource's conduit and spaced manholes. No trees or woody shrubs or plantings can be planted within the estimated 22-foot wide footprint cleared for the MCRT and Eversource's Transmission Facilities. No buildings or structures can be placed on top of Eversource's Transmission Facilities. DCR agrees that prior to undertaking any new construction within the Eversource easement area, excluding maintenance and repair of existing facilities, DCR agrees to provide Eversource with project plans that can be reviewed and approved by Eversource, said approval to be not unreasonably withheld, prior to the DCR advancing its work. Eversource agrees that prior to undertaking any new construction within the Eversource easement area, excluding maintenance and repair of existing facilities, Eversource shall provide DCR with project plans that can be reviewed and approved by DCR, said approval to be not unreasonably withheld, prior to Eversource advancing its work.

14.0 The DCR and its employees, agents and contractors shall comply at all times and under all circumstances with all Massachusetts General Laws (M.G.L. c. 166, s. 21A et seq.), OSHA, dig safe and any other applicable requirements regarding work or activity in the proximity of energized electric lines.

15.0 Except to the extent specifically provided herein, Eversource does not relinquish, diminish, waive, abandon or lessen its right to construct, install, upgrade, reconstruct, relocate and maintain existing or new electric transmission or distribution line or lines within the Property, at any time and from time to time, nor in any other manner modify or relinquish any of its rights acquired under its Easement. The DCR agrees not to interfere unreasonably with Eversource's right and easement to be granted and further agrees not to interfere unreasonably with Eversource's efforts to patrol and inspect to ensure DCR's compliance with the terms and



conditions herein agreed. Eversource agrees not to interfere unreasonably with DCR's rights and interest in the MCRT Leased Premises under DCR's lease with the MBTA, and nothing herein shall be considered a waiver or modification of any rights of DCR under the lease.

16.0 This Agreement shall be binding on the parties and their respective successors and assigns, and successors in title. This Agreement can be modified only by an instrument in writing signed by both parties. Each party may terminate the Agreement upon written notice for breach of the agreement not cured within 180 days. Each party may terminate the agreement without cause upon 180 days written notice. In the unlikely event of termination, the parties acknowledge that following termination: (1) Eversource will have no right or obligation to maintain, repair or operate the gravel base constructed under this Agreement or the planned DCR trail-related improvements; (2) such termination will not affect, and the parties will retain their respective separate property rights on the Property, and acknowledge the need to work cooperatively from time to time; and (3) the parties will need to respect public safety standards applicable to both the DCR and Eversource property interests and infrastructure on the Property, including without limitation those pertaining to work or activity in the proximity of energized electric lines.

17.0 DCR shall not endanger, damage or unreasonably interfere with any Eversource facilities located on or within the Easement, including without limitation, any buried ground wires or equipment. In the event of any damage to any of the facilities, DCR shall immediately notify Eversource by telephoning system control 844-855-1010 and subsequent notice to Manager Field Transmission whose telephone number is 781-441-3541, and the Supervisor of T&D Rights and Survey, whose telephone number is 781-441-8277, so that repairs can be made without delay. Any claims for damage asserted against DCR, including for personal injury or property damage, are governed by Chapter 258 of the General Laws. Eversource shall not endanger, damage or unreasonably interfere with any DCR facilities located on or within the MCRT leased Premises.

18.0 Notices under this Agreement shall be in writing and sufficient if sent by (a) U.S. Postal Service, first class mail, postage prepaid or by (b) by hand delivery or overnight courier delivery, in either case with written confirmation of delivery, to the following addresses:

**If to Eversource Energy:**

Eversource Energy  
One NSTAR Way, SE 210  
Westwood, Massachusetts 02090  
Attn: Supervisor T&D Rights and Survey

**If to Department of Conservation and Recreation:**

Department of Conservation and Recreation  
Attn: Director, Greenways and Trails Program  
136 Damon Road,  
Northampton, MA 01060

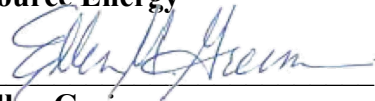
And

Department of Conservation and Recreation  
Attn: General Counsel  
251 Causeway Street, Suite 600  
Boston, MA 02130

Such notices shall be deemed delivered when received or when delivery is refused.

**IN WITNESS WHEREOF**, the parties have caused this Agreement to be executed as an instrument under seal by their respective duly authorized representatives as of the date and year first above written.

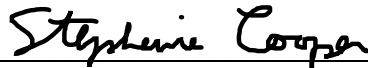
**NSTAR ELECTRIC COMPANY, d/b/a  
Eversource Energy**



By: **Ellen Greim**

Title: VP Supply Chain and Property Management

**Department of Conservation and Recreation**

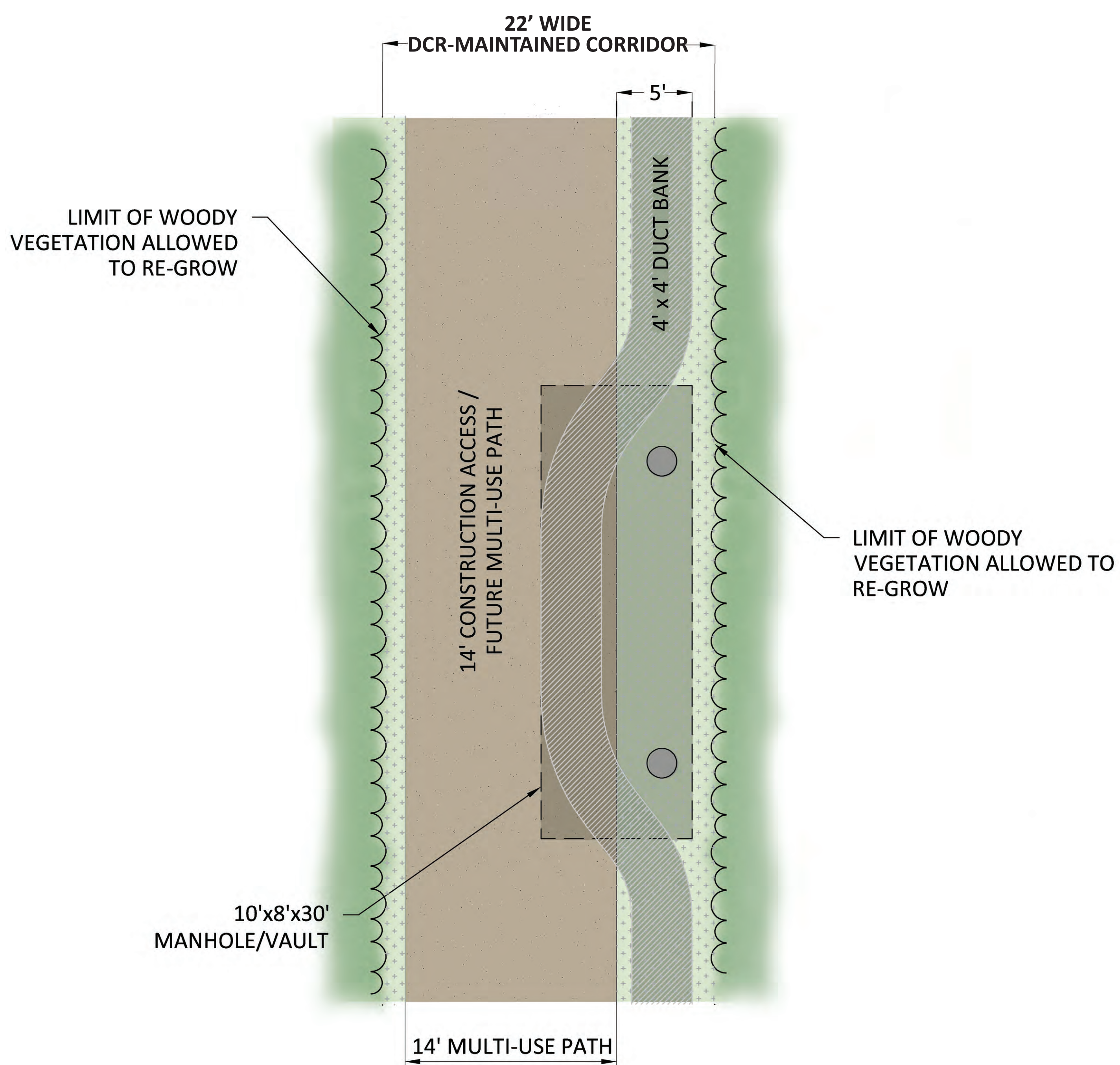
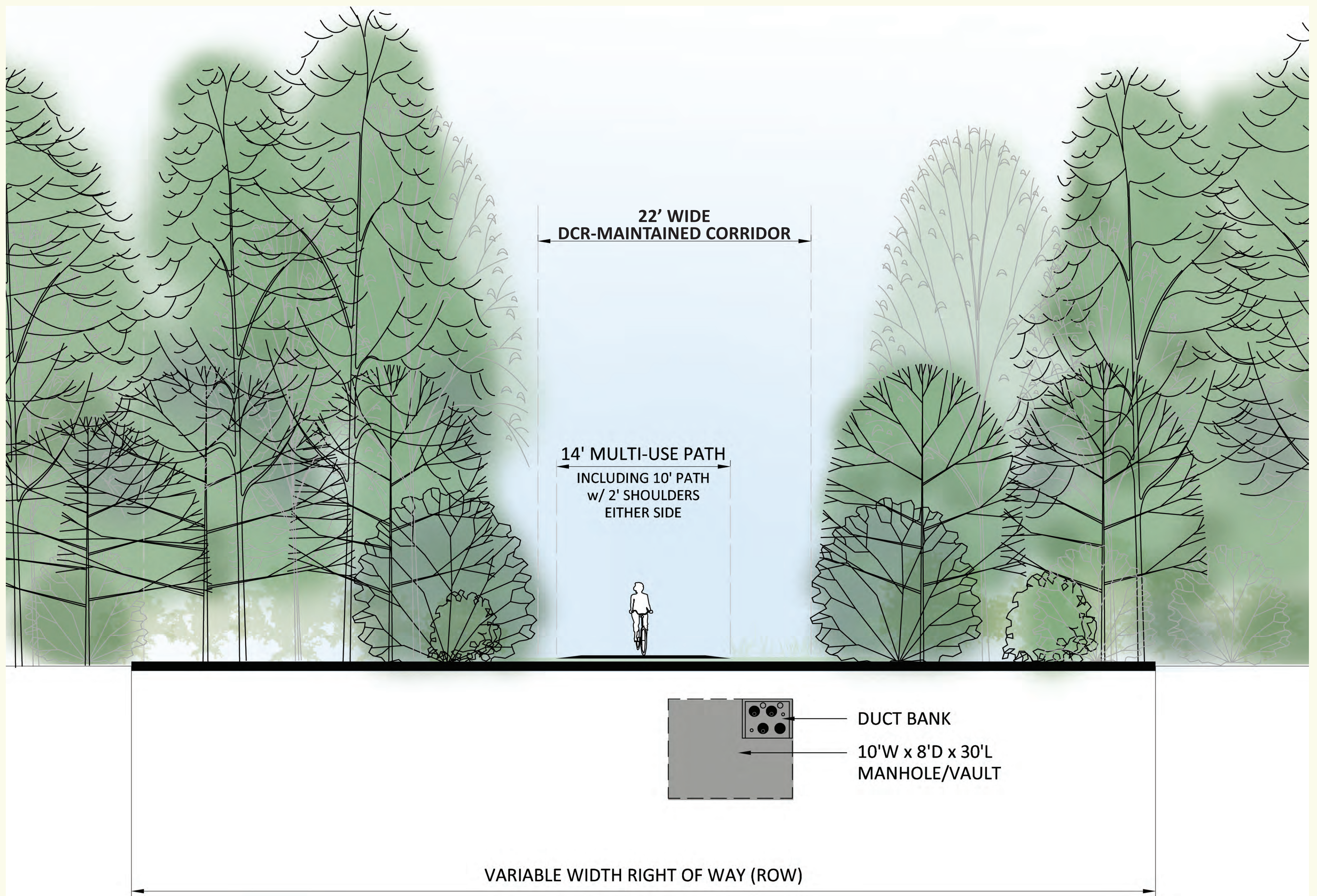


By: **Stephanie C. Cooper**

Title: Acting Commissioner



## Sudbury-Hudson Line Transmission Reliability Project



TYPICAL SECTION @ MANHOLE/VAULT - POST CONSTRUCTION



EXHIBIT B  
TRANSMISSION PROJECT



Saved Thursday, November 17, 2016 4:51:11 PM SRVANI Plotted Wednesday, August 29, 2016 11:40:29 AM Ryan, Steven \\VHB\FPROJ\WAT-LD\12970.01\_SUDBURY-HUDSON-SURVEY\CAD\SRV\ANSET\12970.01\_EX-OPTION-2A-2B

**Legend**

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**General Notes**

- 1) THE PROPERTY LINES SHOWN ON THIS PLAN OF THE PARCELS AT 44 FOREST AVENUE IN HUDSON, AND 163 BOSTON POST ROAD IN SUDBURY, AND THE FORMER RAILROAD RIGHT-OF-WAY ARE BASED UPON AN ACTUAL FIELD SURVEY CONDUCTED BY VHB, INC. IN 2015 AND FROM DEEDS AND PLANS OF RECORD.
- 2) THE EXISTING CONDITIONS SHOWN ON THIS PLAN WERE DEVELOPED FROM A COMBINED EFFORT OF AERIAL PHOTOGRAMMETRIC MAPPING BY EASTERN TOPOGRAPHICS, INC., BASED ON AERIAL PHOTOGRAPHS TAKEN ON FEBRUARY 22, 2013, AND AUGMENTED BY AN ON-THE-GROUND SURVEY PERFORMED BY VHB DURING 2015.
- 3) THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED ON FIELD OBSERVATIONS AND INFORMATION OF RECORD. THEY ARE NOT WARRANTED TO BE EXACTLY LOCATED NOR IS IT WARRANTED THAT ALL UNDERGROUND UTILITIES OR OTHER STRUCTURES ARE SHOWN ON THIS PLAN.
- 4) HORIZONTAL DATUM IS BASED ON MASS. GRID SYSTEM, NAD 1983. ELEVATIONS SHOWN ON THIS PLAN REFER TO NAVD OF 1988.



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| Prepared By |          | <b>Vanasse Hangen Brustlin, Inc.</b>  |  |
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|             |          | Transportation 101 Walnut Street, P.O. Box 9151<br>Land Development Watertown, Massachusetts 02471-9151<br>Environmental Services 617.924.1770 • FAX 617.924.2286 |  |
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Issued For

**EVERSOURCE ENERGY**

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FIELD BOOK NO:

Project Title

**Eversource Transmission Line**  
Sudbury, Stow and Hudson, Massachusetts

Drawing Title

**Candidate Route**  
**Design Option 2**

DATE: JUNE 27, 2016

SHEET 1 OF 44



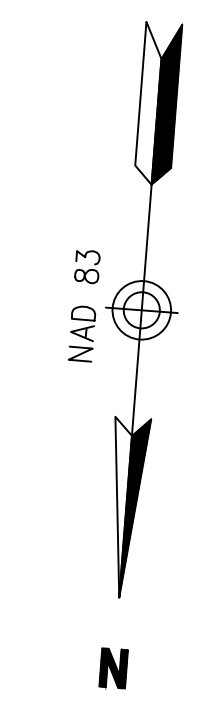
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 256 LANDHAM RD  
 K10-0015  
 BK 25403 PAGE 57

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 UNITED STATES OF AMERICA  
 0 PELHAM ISLAND RD  
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 BK 22103 PG 515

N/F  
 NSTAR ELECTRIC COMPANY  
 163 BOSTON POST RD  
 K11-0402  
 BK 7734 PG 426

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 UNITED STATES OF AMERICA  
 256 LANDHAM RD  
 K10-0015  
 BK 25403 PG 57



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**Design Option 2**

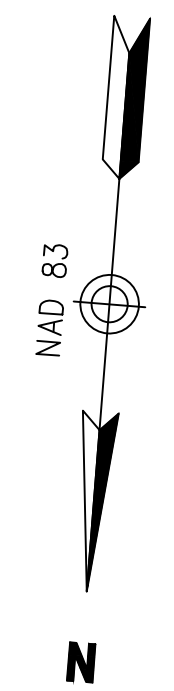
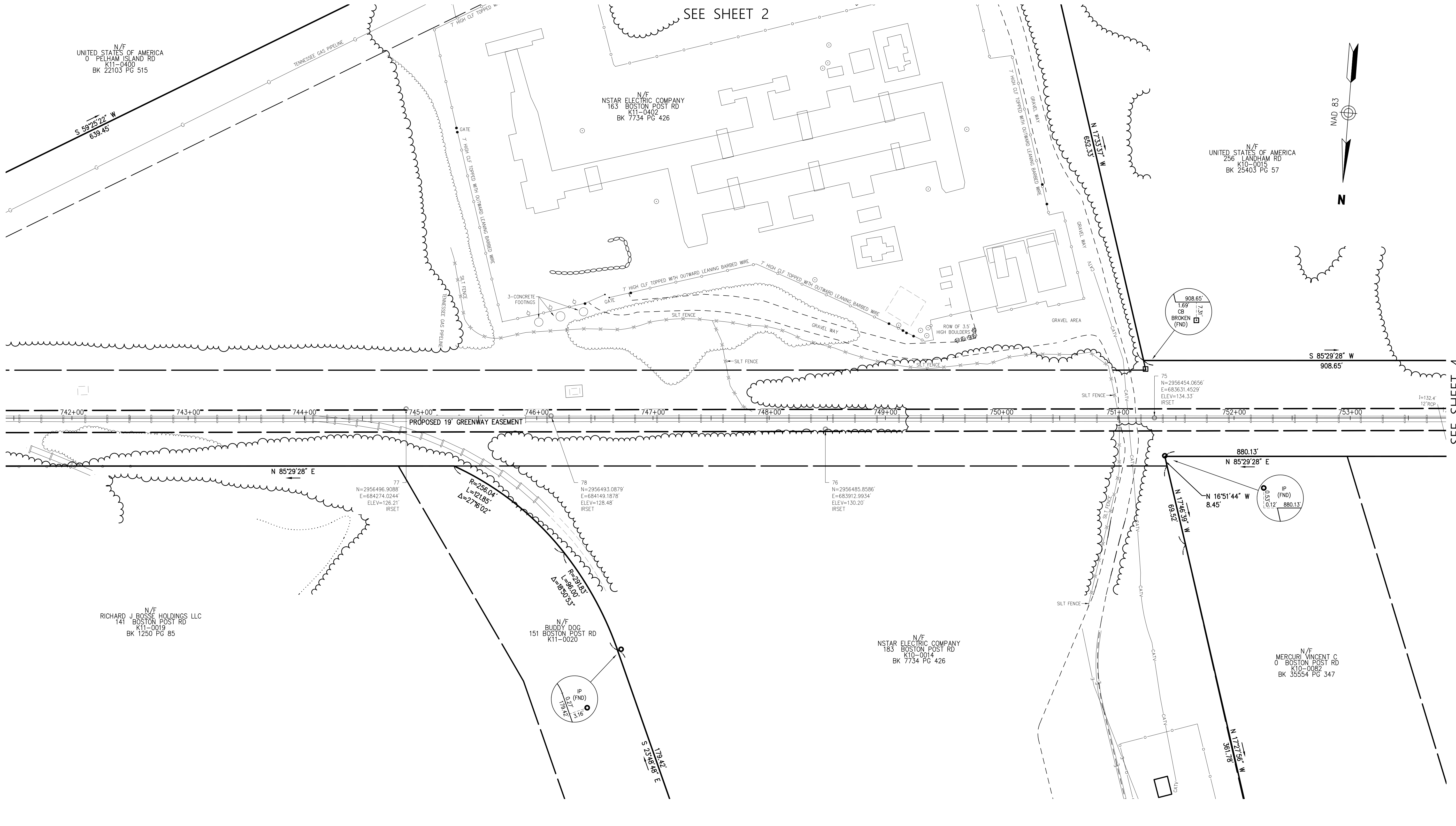
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DATE: JUNE 27, 2016 SHEET 2 OF 44

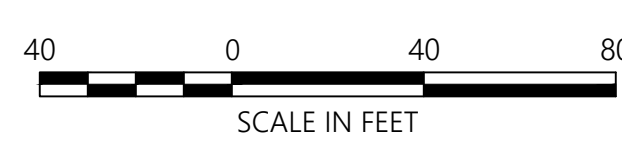
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# SUDBURY

SEE SHEET 2



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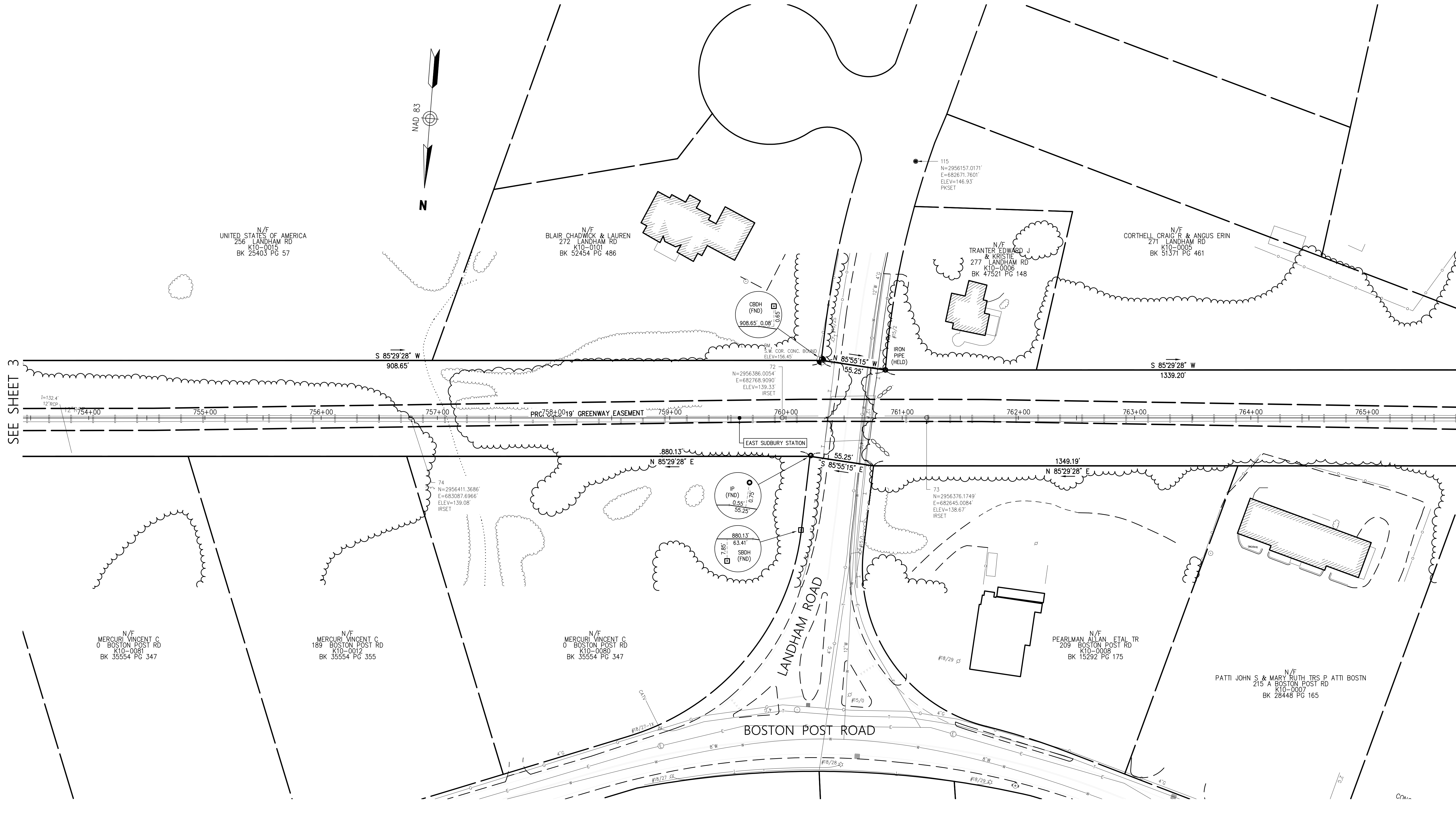
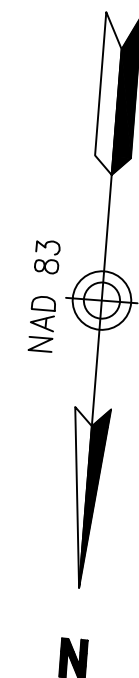
Project Title  
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 Sudbury, Stow and Hudson, Massachusetts

Drawing Title  
**Candidate Route**  
**Design Option 2**

DATE: JUNE 27, 2016  
 SHEET 3 OF 44

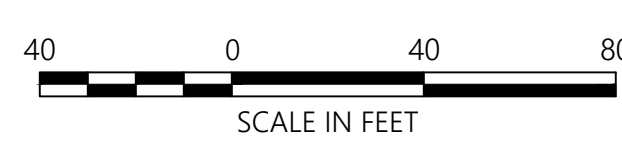
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# SUDBURY



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 Sudbury, Stow and Hudson, Massachusetts

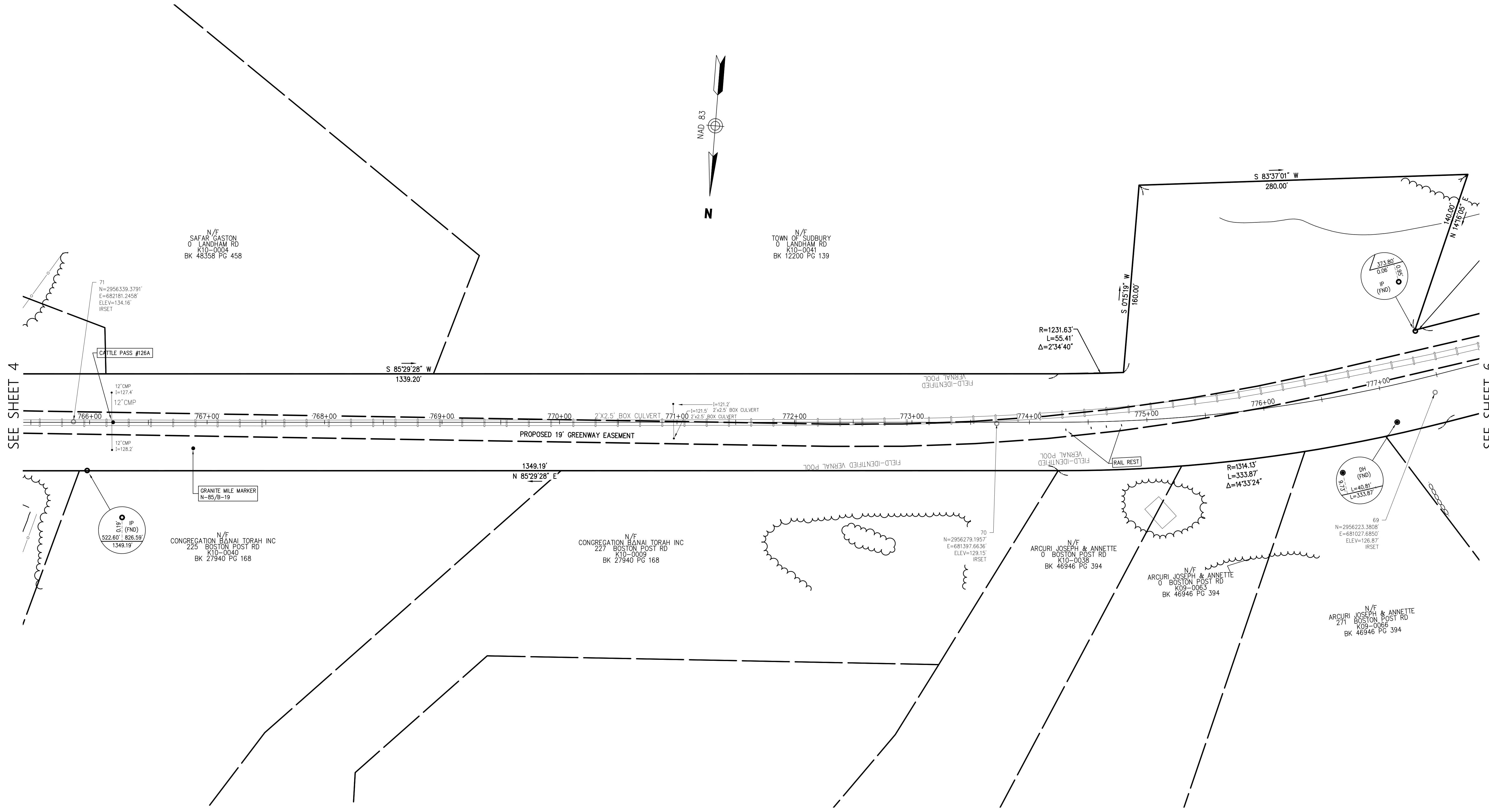
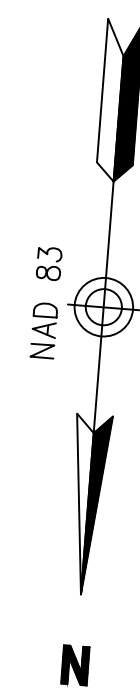
Drawing Title  
**Candidate Route**  
**Design Option 2**

DATE: JUNE 27, 2016      SHEET 4 OF 44

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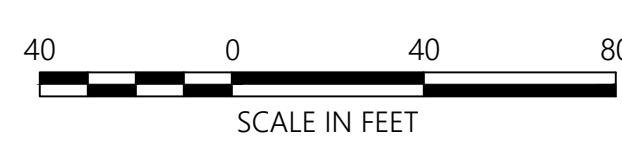


# SUDBURY



SEE SHEET 4

SEE SHEET 6



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|-------------|---|------|
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DRAWING NAME: 12970.01\_EX-Option-2A-2B.dwg  
 FIELD BOOK NO:

Project Title  
**Eversource Transmission Line**  
 Sudbury, Stow and Hudson, Massachusetts

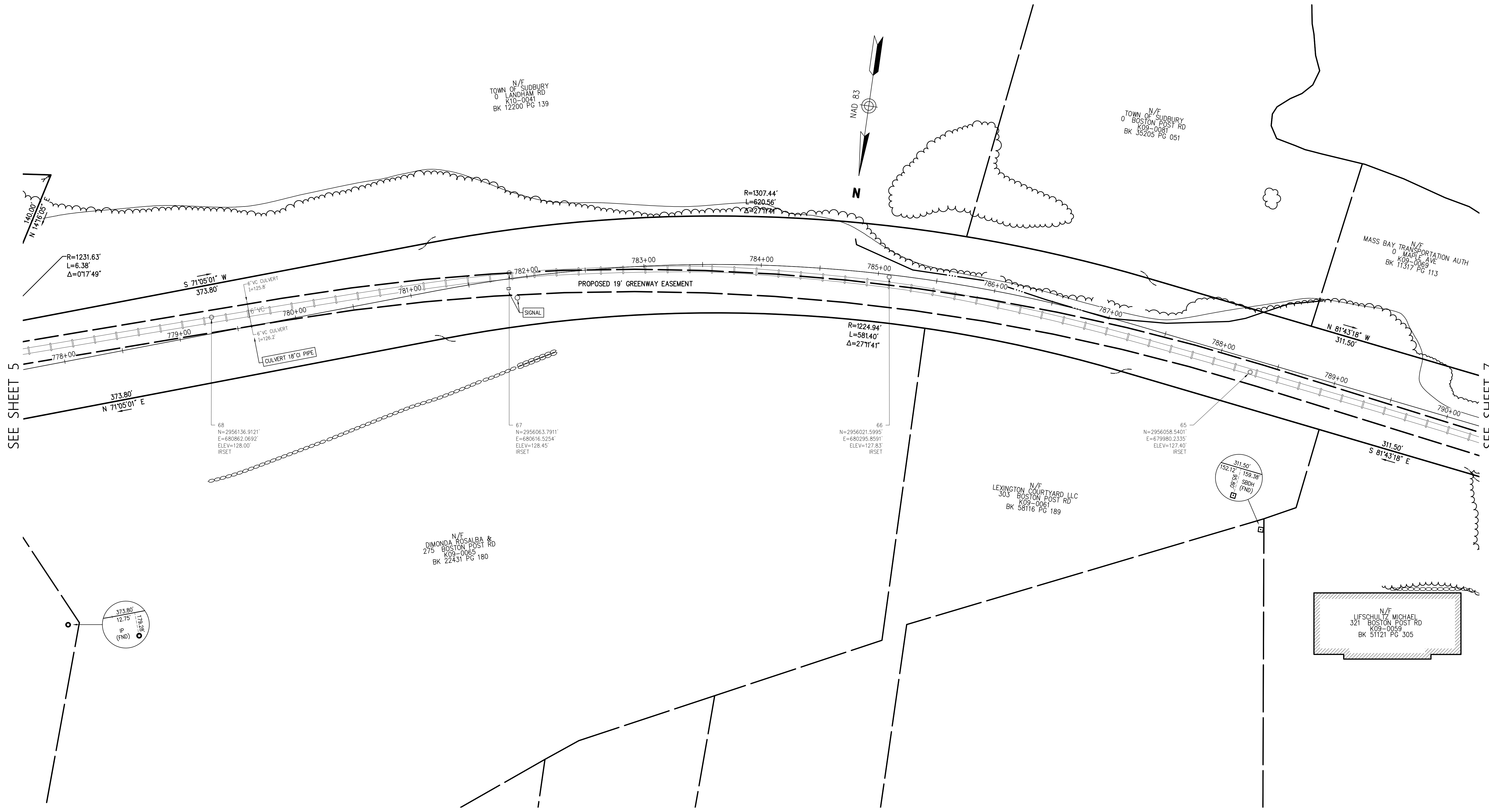
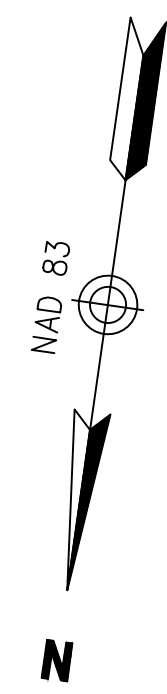
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**Design Option 2**

DATE: JUNE 27, 2016

SHEET 5 OF 44

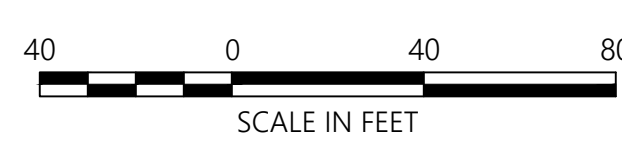
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# SUDBURY



SEE SHEET 5

SEE SHEET 7



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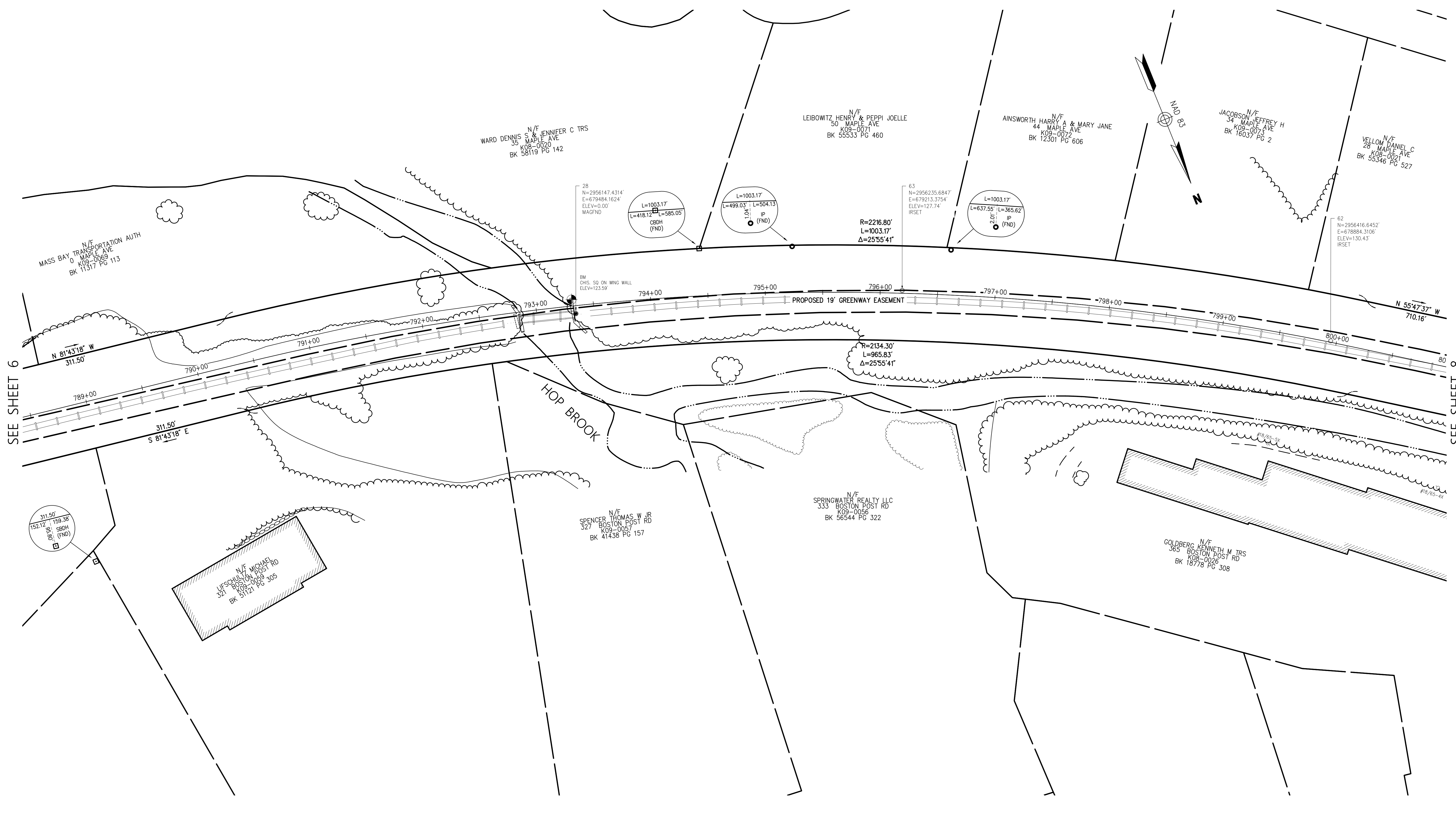
Project Title **Eversource Transmission Line**  
 Sudbury, Stow and Hudson, Massachusetts

Drawing Title **Candidate Route**  
 Design Option 2

DATE: JUNE 27, 2016 SHEET 6 OF 44

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# SUDBURY



SEE SHEET 6

SEE SHEET 8



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 FIELD BOOK NO:

Project Title  
**Eversource Transmission Line**  
 Sudbury, Stow and Hudson, Massachusetts

Drawing Title  
**Candidate Route**  
**Design Option 2**

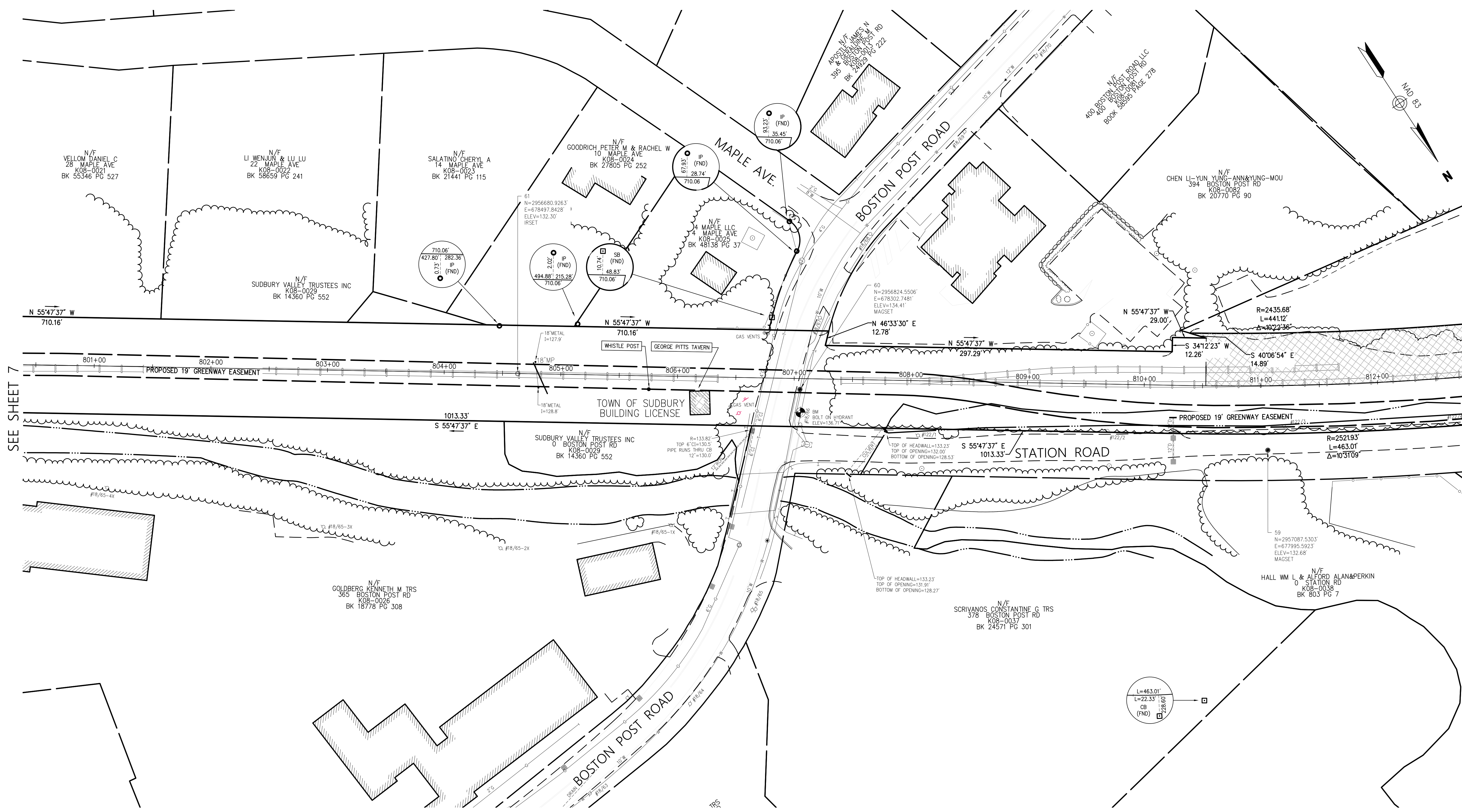
DATE: JUNE 27, 2016

SHEET 7 OF 44

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# SUDBURY



SEE SHEET 7

SEE SHEET 9



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|             | Land Development                     | Watertown, Massachusetts 02471-9151 |
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FIELD BOOK NO:

Project Title

**Eversource Transmission Line**  
Sudbury, Stow and Hudson, Massachusetts

Drawing Title

**Candidate Route**  
**Design Option 2**

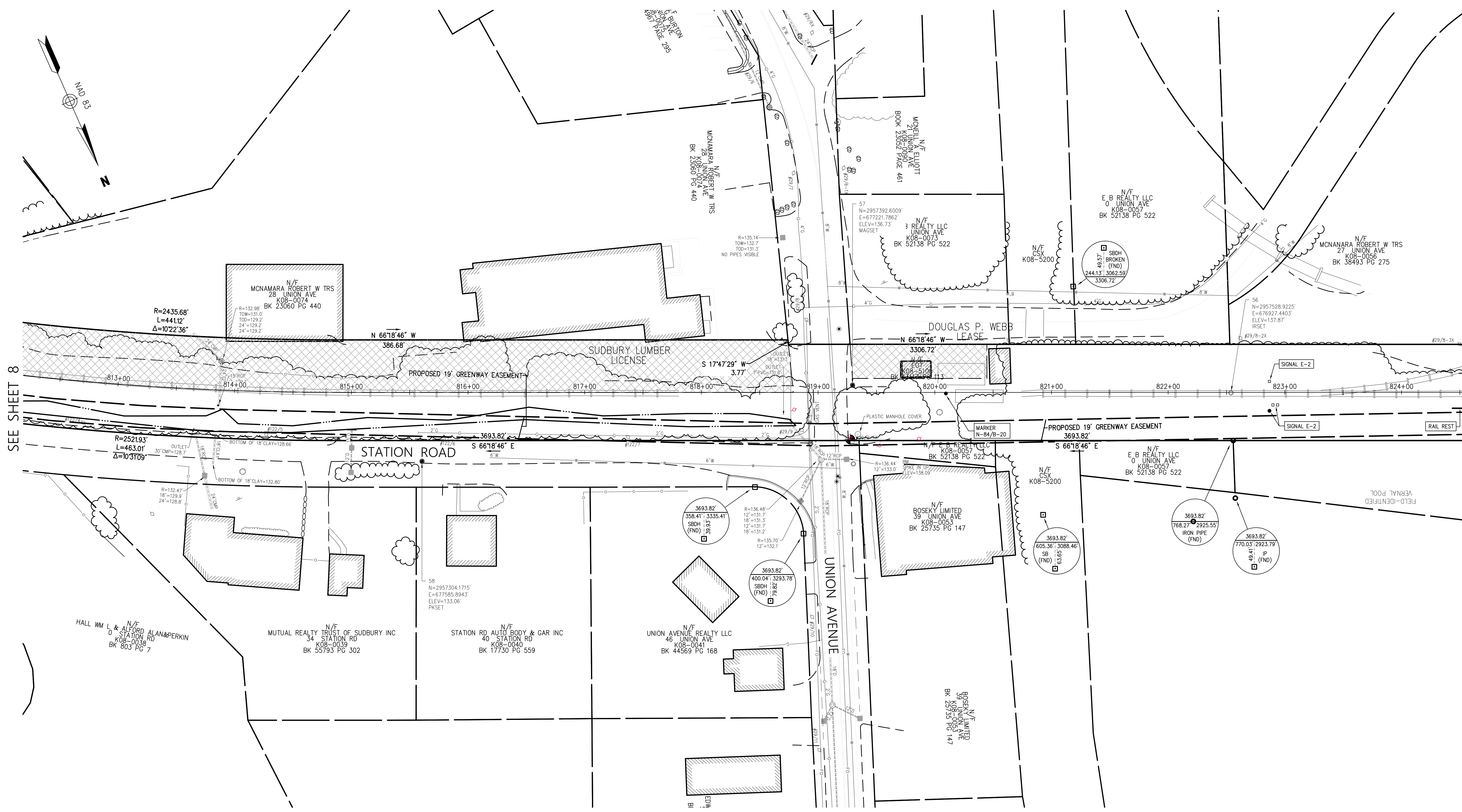
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SHEET 8 OF 44

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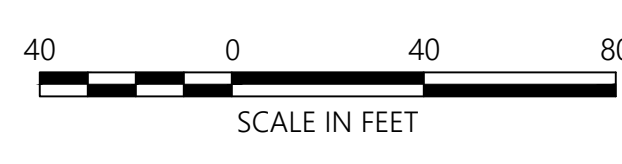


# SUDBURY



SEE SHEET 8

SEE SHEET 10



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 Sudbury, Stow and Hudson, Massachusetts

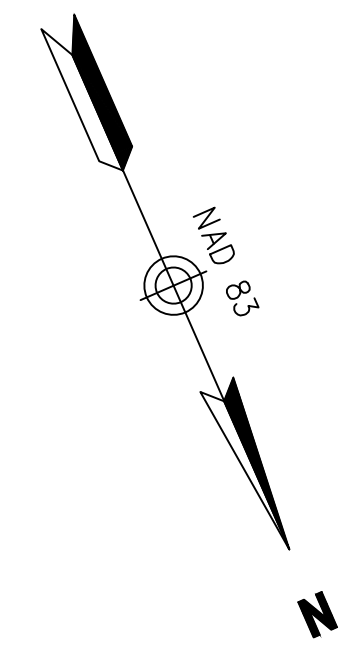
Drawing Title  
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**Design Option 2**

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SHEET 9 OF 44

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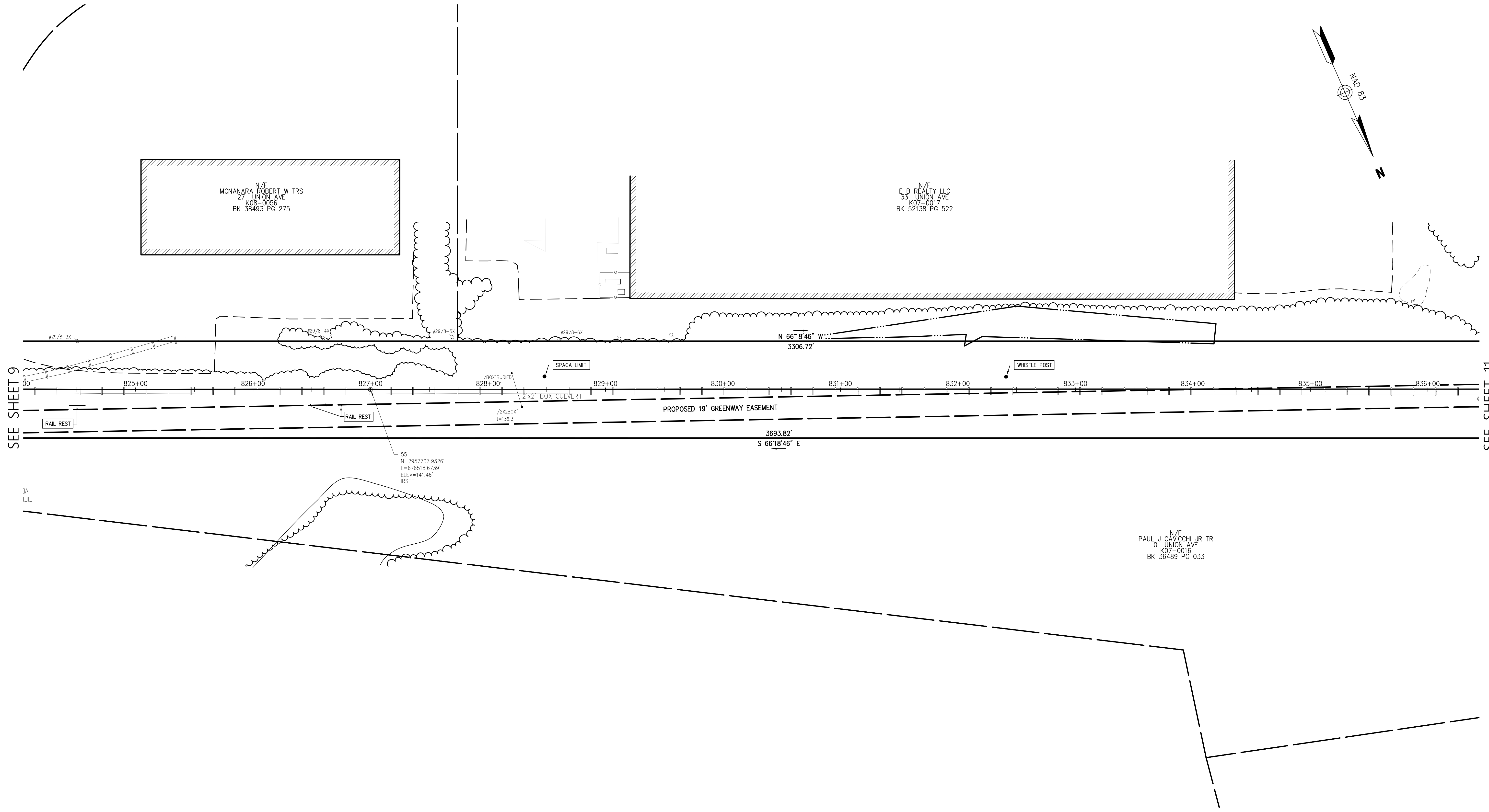
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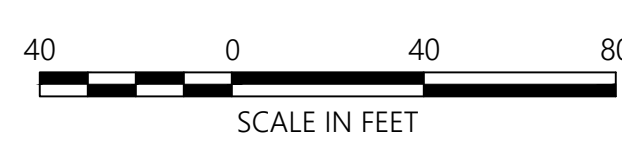
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K07-0016  
BK 36489 PG 033



SEE SHEET 9

SEE SHEET 11



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 FIELD BOOK NO:

Project Title  
**Eversource Transmission Line**  
Sudbury, Stow and Hudson, Massachusetts

Drawing Title  
**Candidate Route**  
**Design Option 2**

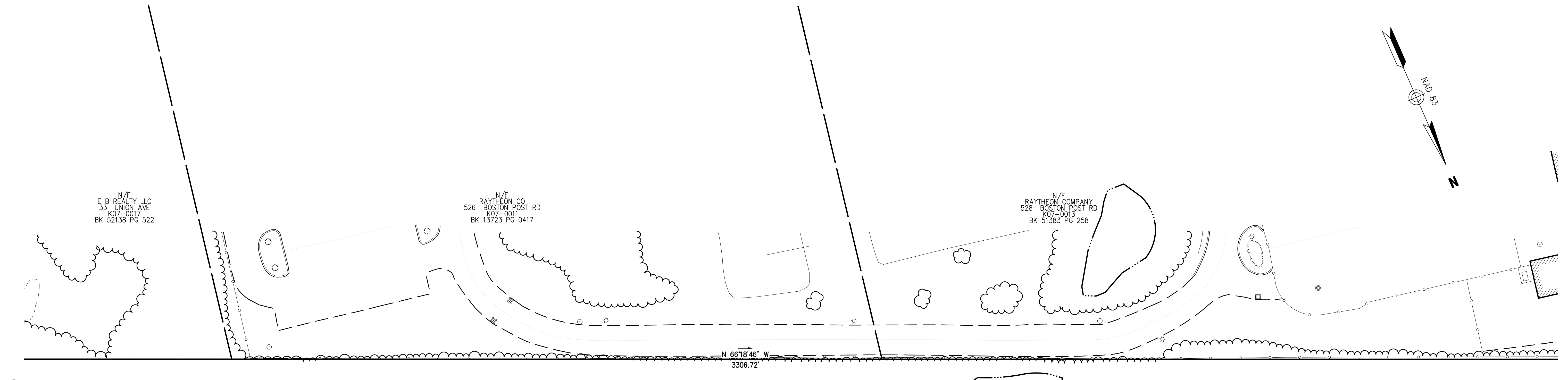
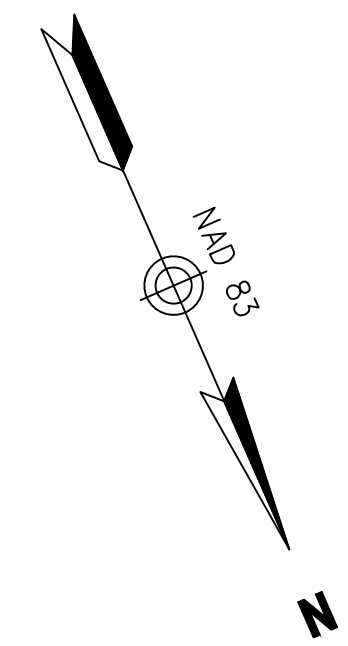
DATE: JUNE 27, 2016

SHEET 10 OF 44

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# SUDBURY



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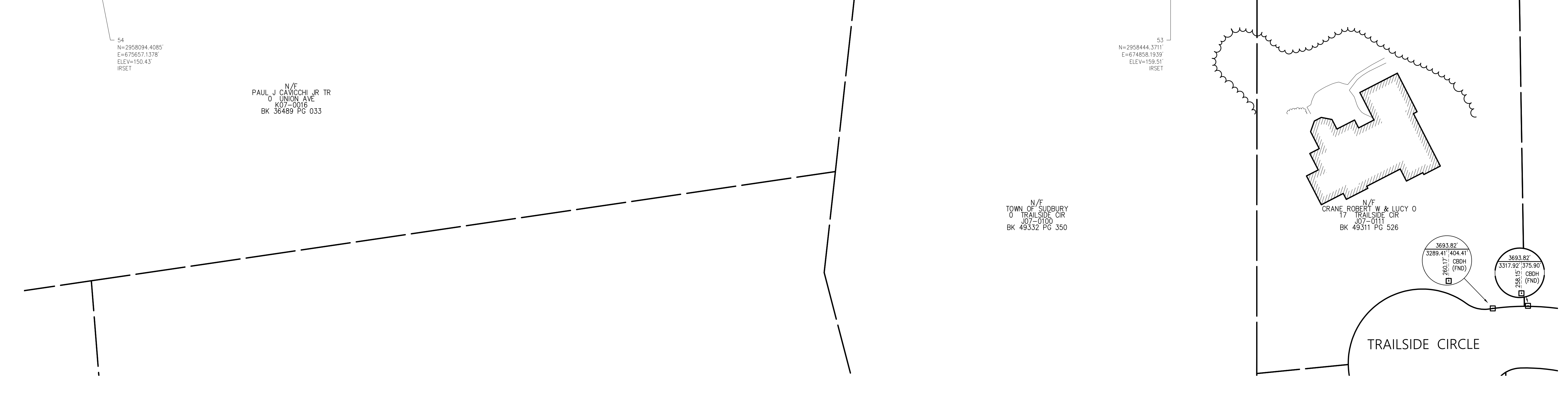
PROPOSED 19' GREENWAY EASEMENT

N 66°18'46" W 3306.72'

3693.82' S 66°18'46" E

BOX CULVERT BURIED I=149.4'

1'x2' BOX CULVERT




SEE SHEET 10

SEE SHEET 12



| STRUCTURES |      |        |      |      |
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DRAWING NAME: 12970.01\_EX-Option-2A-2B.dwg

FIELD BOOK NO:

Project Title **Eversource Transmission Line**  
Sudbury, Stow and Hudson, Massachusetts

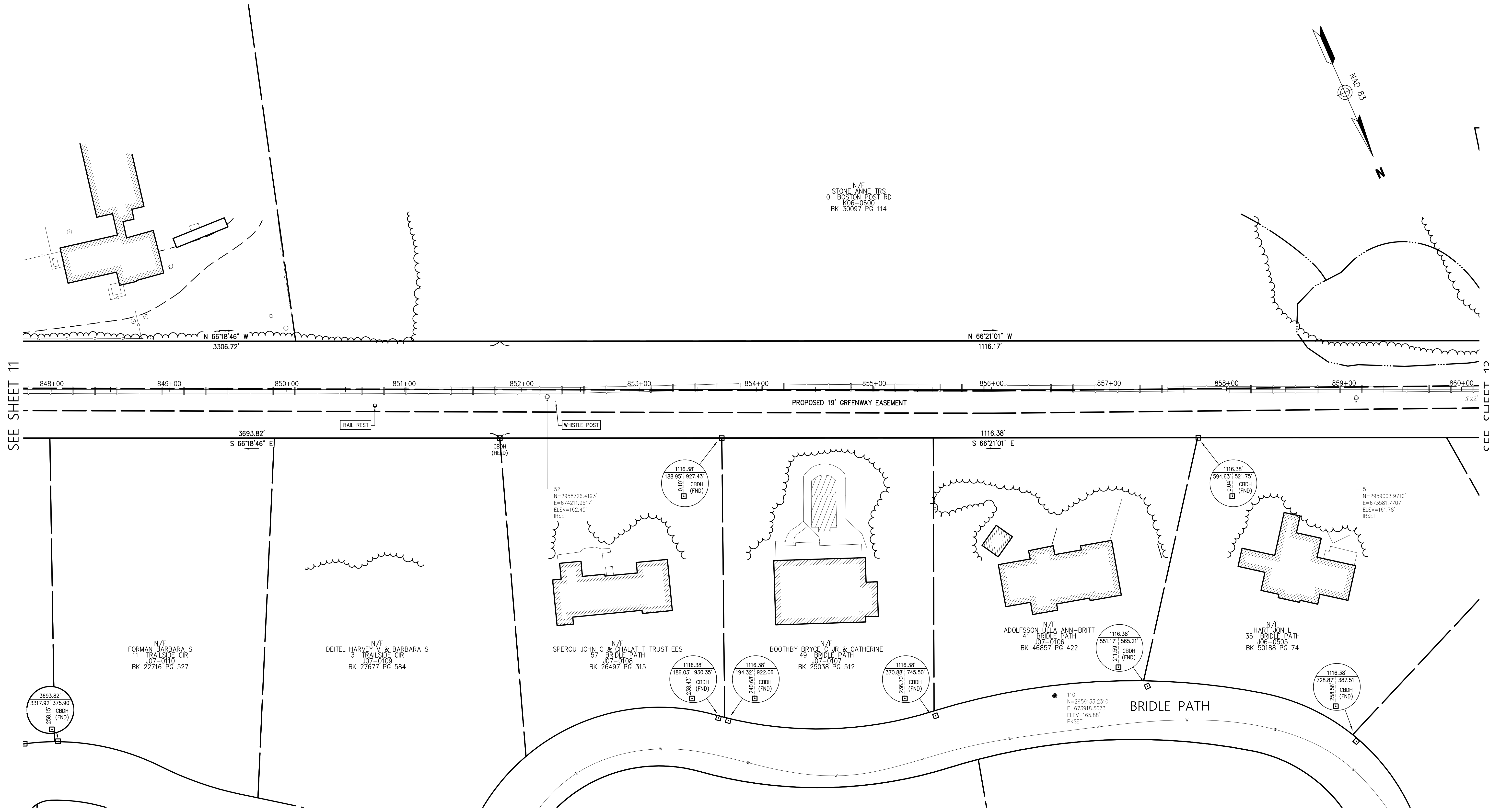
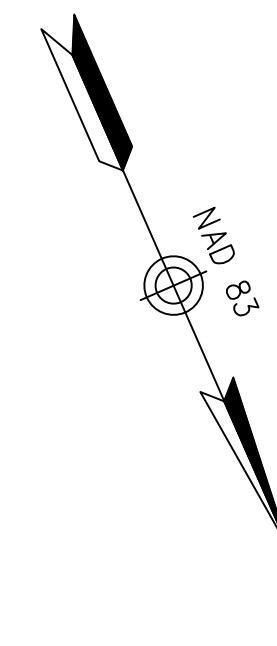
Drawing Title **Candidate Route**  
**Design Option 2**

DATE: JUNE 27, 2016

SHEET 11 OF 44

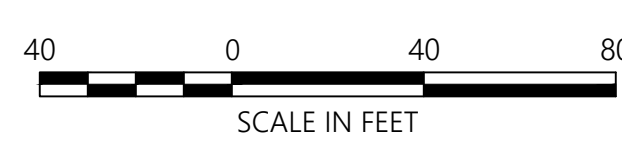
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# SUDBURY



SEE SHEET 11

SEE SHEET 13



| STRUCTURES |      |        |      |      |
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Project Title

**Eversource Transmission Line**  
 Sudbury, Stow and Hudson, Massachusetts

Drawing Title

**Candidate Route**  
 Design Option 2

DATE: JUNE 27, 2016

SHEET 12 OF 44

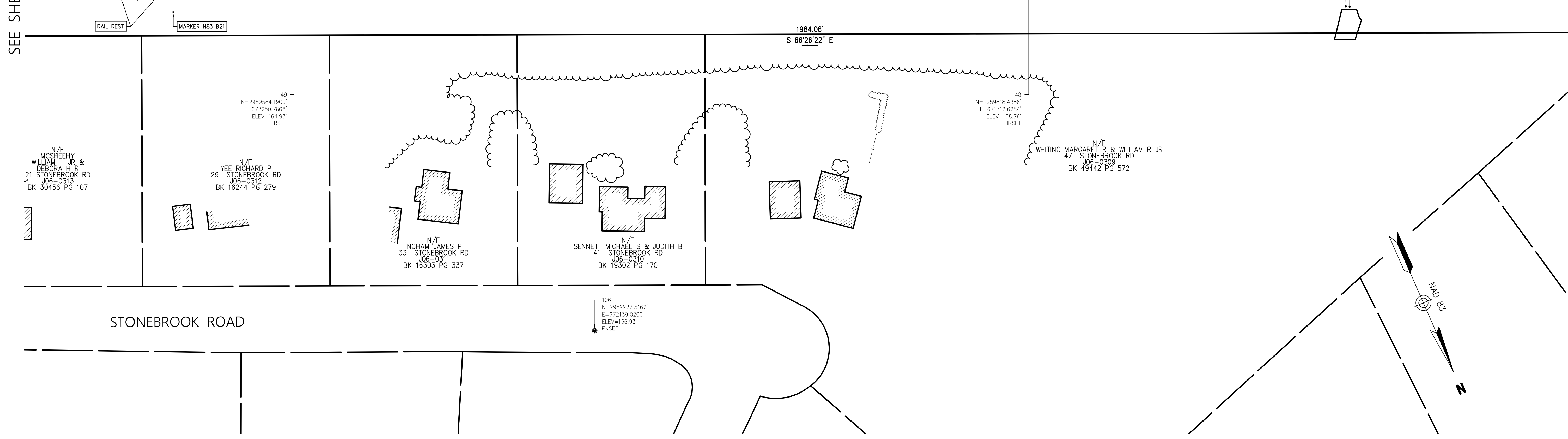
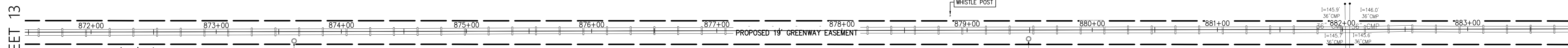
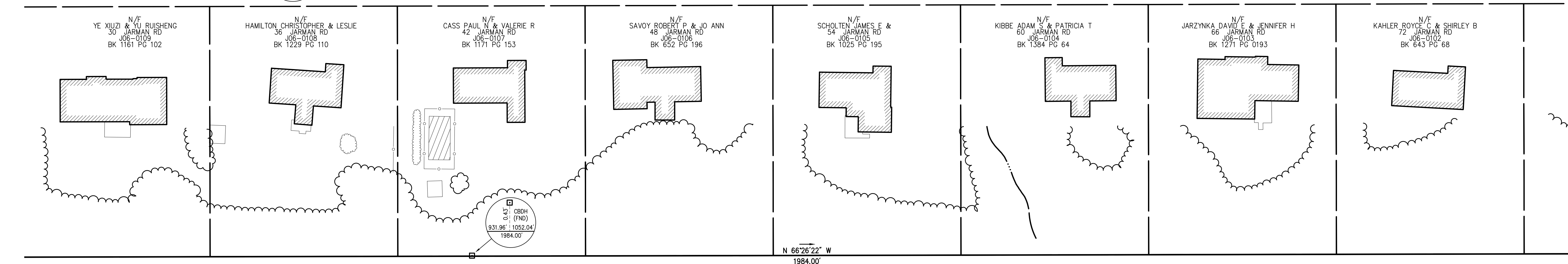
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# SUDBURY

JARMAN ROAD



STONEBROOK ROAD



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Project Title **Eversource Transmission Line**  
 Sudbury, Stow and Hudson, Massachusetts

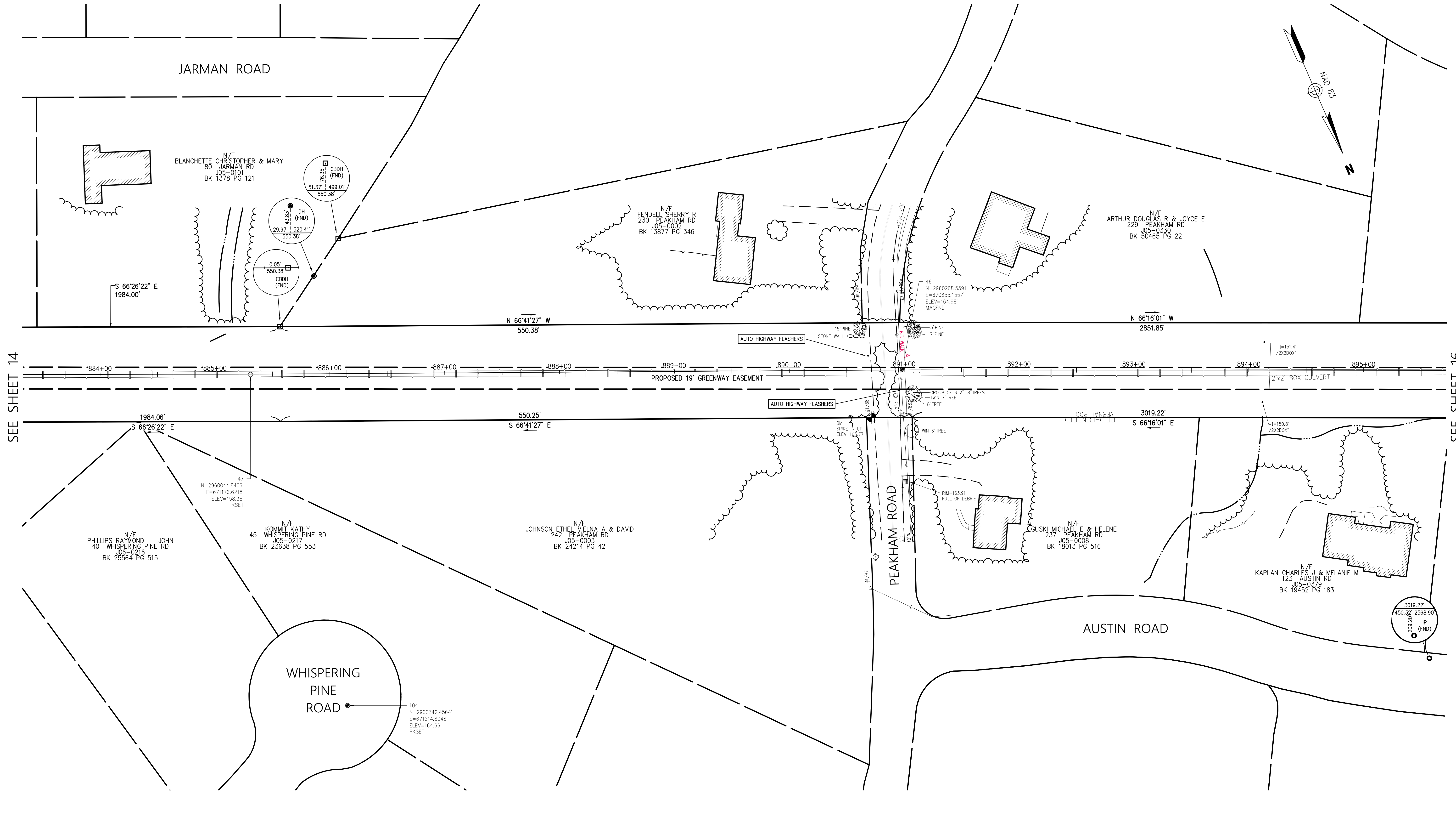
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**Design Option 2**

DATE: JUNE 27, 2016 SHEET 14 OF 44

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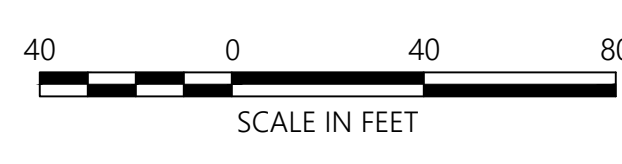


# SUDBURY



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SEE SHEET 16



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Project Title  
**Eversource Transmission Line**  
 Sudbury, Stow and Hudson, Massachusetts

Drawing Title  
**Candidate Route**  
**Design Option 2**

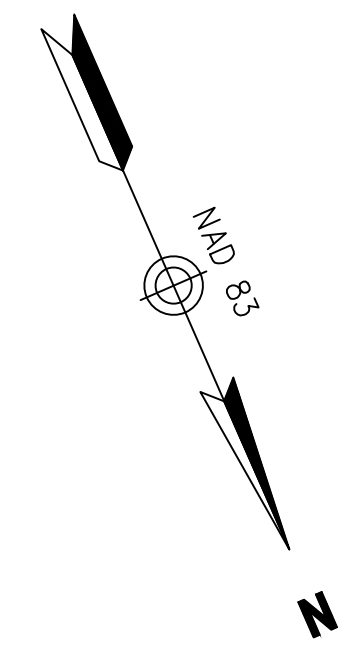
DATE: JUNE 27, 2016

SHEET 15 OF 44

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# SUDBURY



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 290 DUTTON RD  
 J04-0011  
 BK 14967 PG 113

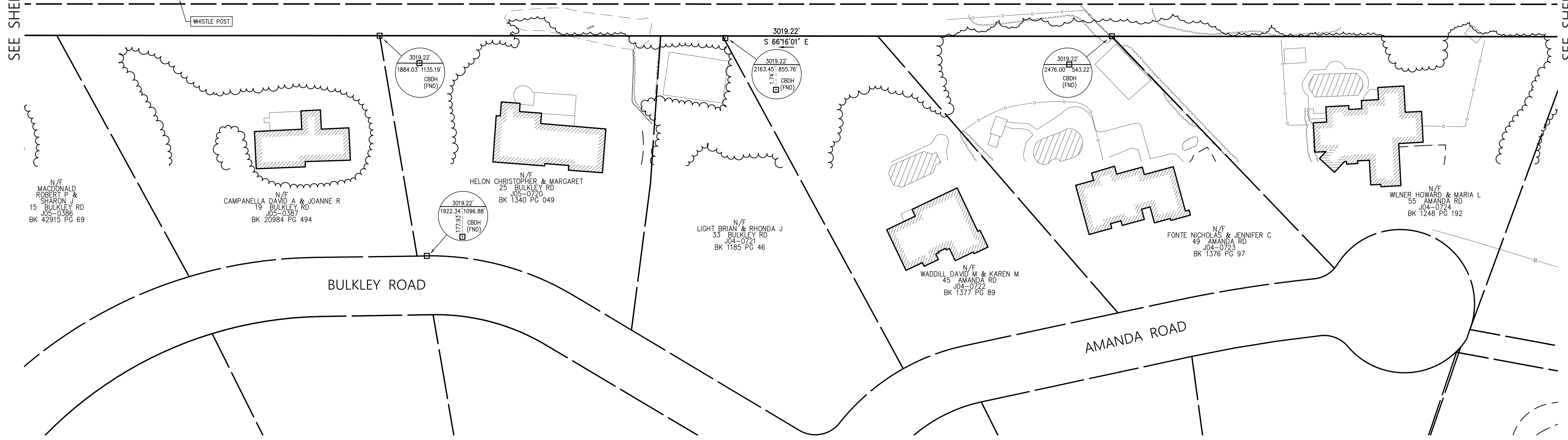
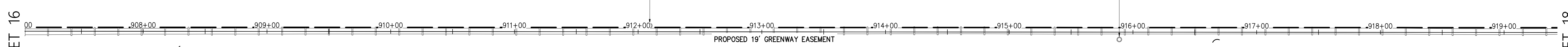
N/F  
 ACKERMAN JOSEPH &  
 22 COLBURN CIR  
 J05-0354  
 BK 25621 PG 441

43  
 N=2961114.2422'  
 E=6683720.8842'  
 ELEV=186.90'  
 IRSET

42  
 N=2961276.9840'  
 E=668377.8364'  
 ELEV=188.16'  
 IRSET

S 23°43'59" W  
 10.00'

N 66°16'01" W  
 2851.85'



SEE SHEET 16

SEE SHEET 18



| STRUCTURES |      |        |      |      |
|------------|------|--------|------|------|
| NO.        | TYPE | HEIGHT | SPAN | GUYS |
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Prepared By  
**Vanasse Hangen Brustlin, Inc.**  

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 Land Development Watertown, Massachusetts 02471-9151  
 Environmental Services 617.924.1770 • FAX 617.924.2286

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Issued For  
**EVERSOURCE ENERGY**

SCALE: 40 FEET TO THE INCH

DRAWING NAME: 12970.01\_EX-Option-2A-2B.dwg  
 FIELD BOOK NO:

Project Title  
**Eversource Transmission Line**  
 Sudbury, Stow and Hudson, Massachusetts

Drawing Title  
**Candidate Route**  
**Design Option 2**

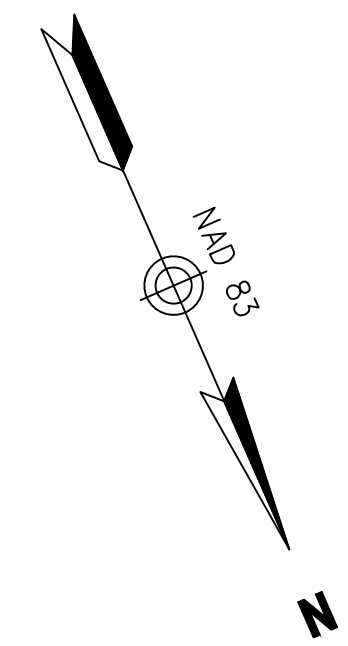
DATE: JUNE 27, 2016

SHEET 17 OF 44

Saved Thursday, November 17, 2016 4:51:11 PM SRVANK Plotted Wednesday, August 29, 2018 11:46:54 AM Ryan, Steven \\VHB\PROJ\WAT-LD\12970.01\_SUDBURY-HUDSON-SURVEY\CAD\SRV\PLANSET\12970.01\_EX-OPTION-2A-2B

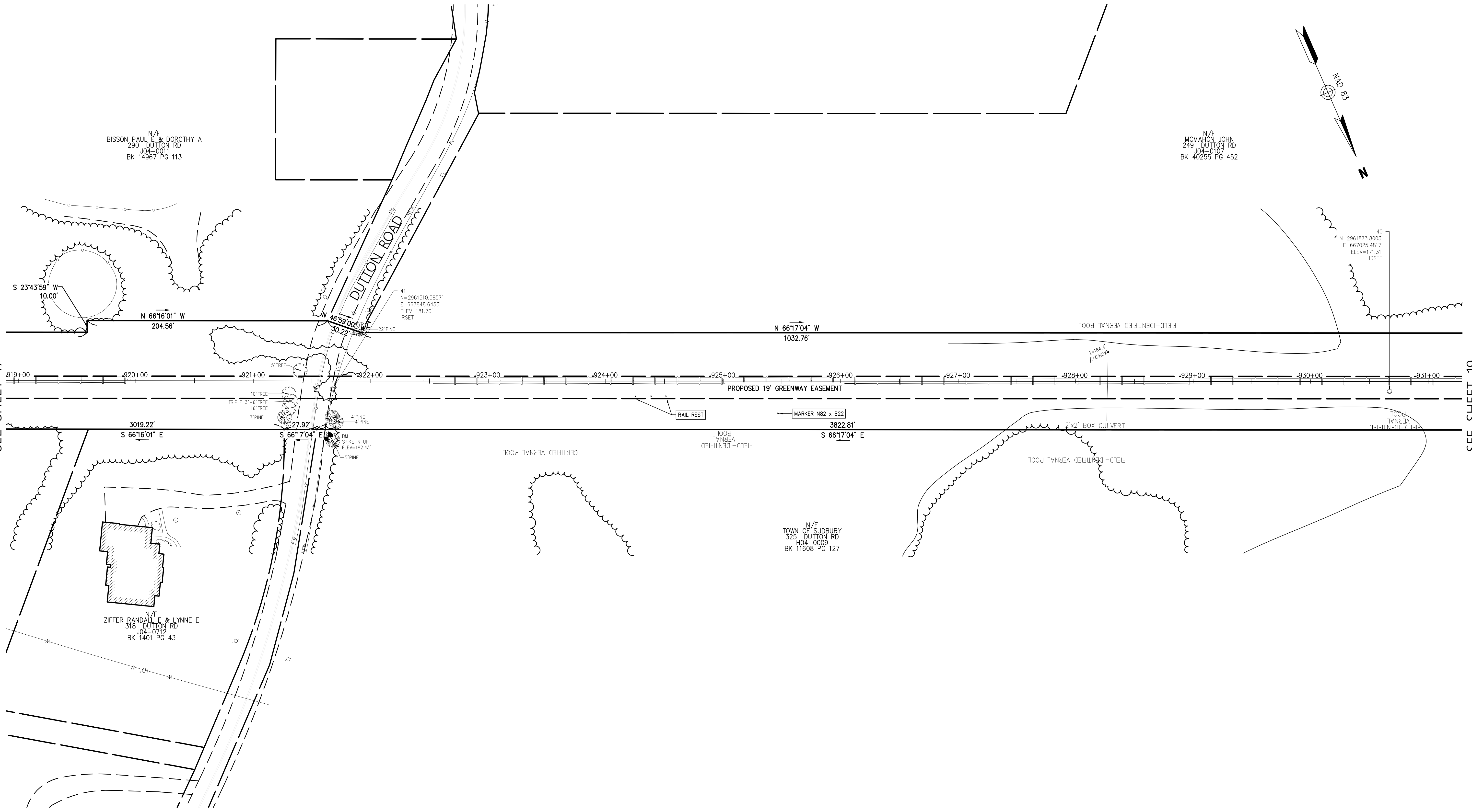


# SUDBURY



N/F  
BISSEON PAUL E & DOROTHY A  
290 DUTTON RD  
J04-0011  
BK 14967 PG 113

N/F  
MCMAHON JOHN  
249 DUTTON RD  
J04-0107  
BK 40255 PG 452



SEE SHEET 17

SEE SHEET 19

N/F  
ZIFFER RANDALL E & LYNNE E  
318 DUTTON RD  
J04-0712  
BK 1401 PG 43

N/F  
TOWN OF SUDBURY  
325 DUTTON RD  
J04-0009  
BK 11608 PG 127



| STRUCTURES |      |        |      |      |
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| Prepared By |          | <b>Vanasse Hangen Brustlin, Inc.</b>  |  |
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|             |          | Transportation 101 Walnut Street, P.O. Box 9151<br>Land Development Watertown, Massachusetts 02471-9151<br>Environmental Services 617.924.1770 • FAX 617.924.2286 |  |
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**EVERSOURCE ENERGY**

SCALE: 40 FEET TO THE INCH

DRAWING NAME: 12970.01\_EX-Option-2A-2B.dwg  
FIELD BOOK NO:

Project Title

**Eversource Transmission Line**  
Sudbury, Stow and Hudson, Massachusetts

Drawing Title

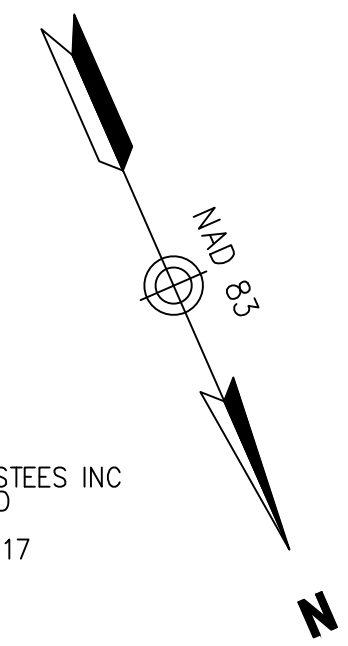
**Candidate Route**  
**Design Option 2**

DATE: JUNE 27, 2016

SHEET 18 OF 44

Saved Thursday, November 17, 2016 4:51:11 PM SRVAN Plotted Wednesday, August 29, 2018 11:47:20 AM Ryan, Steven \\VHB\PROJ\WAT-LD\12970.01\_SUDBURY-HUDSON-SURVEY\CAD\SRV\PLANSET\12970.01\_EX-OPTION-2A-2B

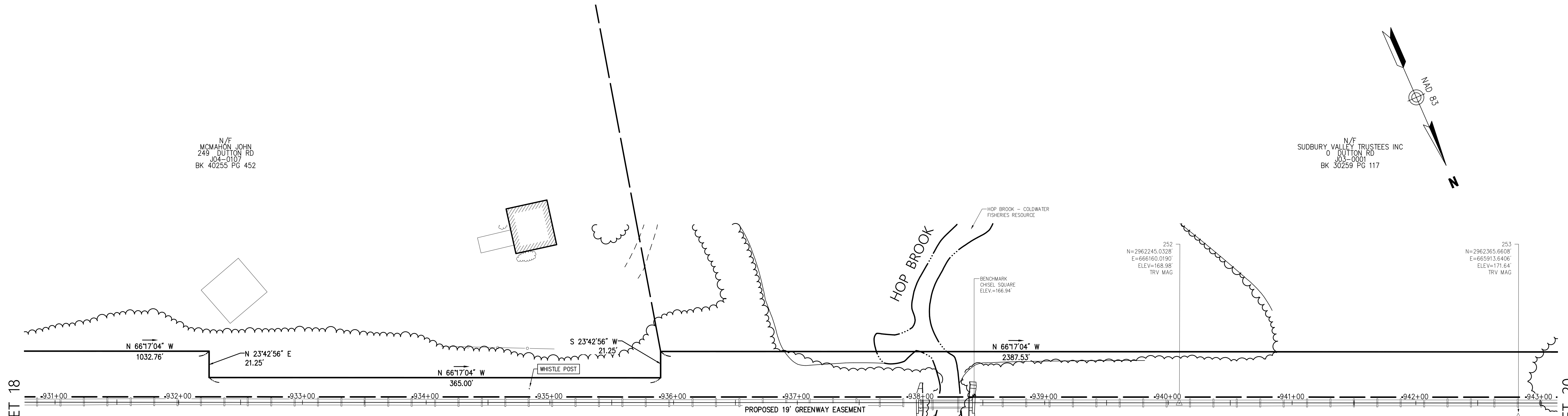
# SUDBURY



N/F  
MCAHON JOHN  
249 DUTTON RD  
J04-0107  
BK 40255 PG 452

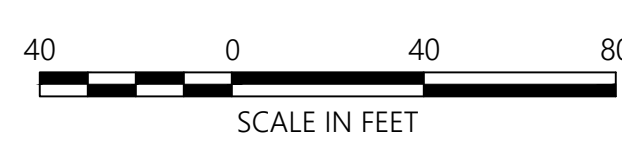
N/F  
SUDBURY VALLEY TRUSTEES INC  
0 DUTTON RD  
J03-0001  
BK 30259 PG 117

N/F  
TOWN OF SUDBURY  
325 DUTTON RD  
H04-0009  
BK 11608 PG 127



SEE SHEET 18

SEE SHEET 20



| STRUCTURES |      |        |      |      |
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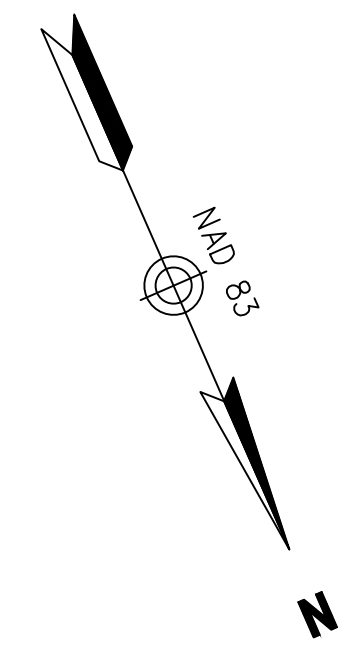
Project Title  
**Eversource Transmission Line**  
Sudbury, Stow and Hudson, Massachusetts

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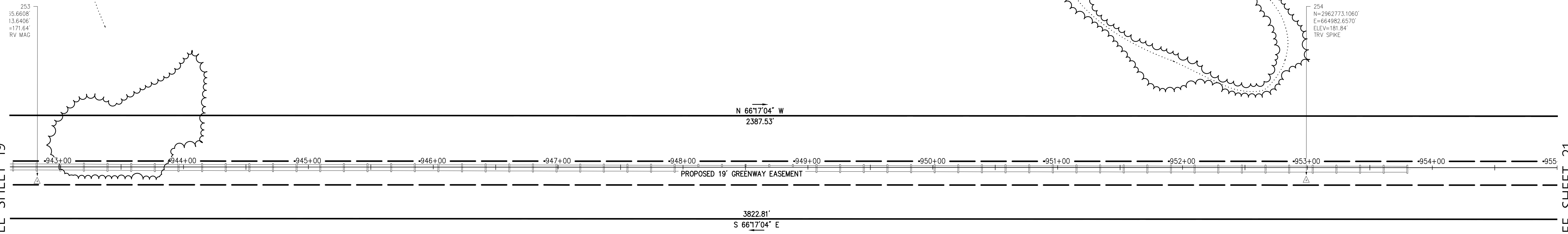
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 FIELD BOOK NO:

Drawing Title  
**Candidate Route**  
**Design Option 2**  
 DATE: JUNE 27, 2016  
 SHEET 19 OF 44

# SUDBURY



N/F  
 SUDBURY VALLEY TRUSTEES INC  
 0 DUTTON RD  
 003-0001  
 BK 30259 PG 117




SEE SHEET 19

SEE SHEET 21

N/F  
 TOWN OF SUDBURY  
 325 DUTTON RD  
 004-0009  
 BK 11608 PG 127



| STRUCTURES |      |        |      |      |
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DRAWING NAME: 12970.01\_EX-Option-2A-2B.dwg  
 FIELD BOOK NO:

Project Title  
**Eversource Transmission Line**  
 Sudbury, Stow and Hudson, Massachusetts

Drawing Title  
**Candidate Route**  
**Design Option 2**

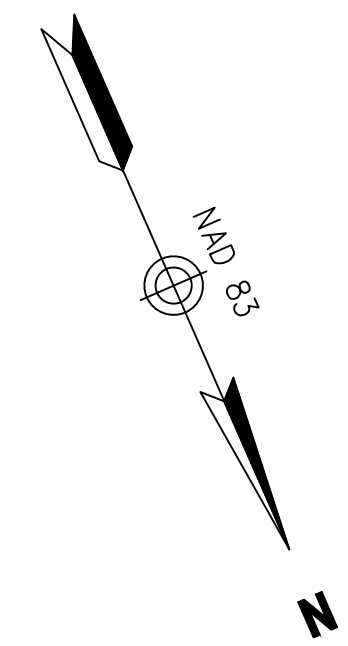
DATE: JUNE 27, 2016

SHEET 20 OF 44

Saved Thursday, November 17, 2016 4:51:11 PM SRVAN Plotted Wednesday, August 29, 2018 11:48:09 AM Ryan, Steven \\VHB\PROJ\WAT-LD\12970.01\_SUDBURY-HUDSON-SURVEY\CAD\SRVPLANSET\12970.01\_EX-OPTION-2A-2B



# SUDBURY



N/F  
SUDBURY VALLEY TRUSTEES INC  
0 DUTTON RD  
J03-0001  
BK 30259 PG 117

125  
N=2963048.0848  
E=664356.3090  
ELEV=188.72  
HTS

255  
N=2963070.2123  
E=664310.8605  
ELEV=189.64  
TRV DH

124  
N=2963155.2641  
E=664111.4706  
ELEV=190.70  
HTS

123  
N=2963292.3932  
E=663798.3355  
ELEV=191.85  
HTS

N 66°17'04" W  
2387.53'

N 66°16'36" W  
2487.66'

3822.81'  
S 66°17'04" E

2487.66'  
S 66°16'36" E

PROPOSED 19' GREENWAY EASEMENT

WHISTLE POST

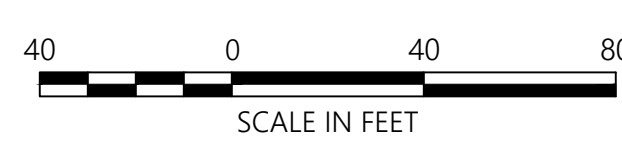
BM  
CONC. BOUND  
ELEV=192.93

N/F  
TOWN OF SUDBURY  
325 DUTTON RD  
H04-0009  
BK 11608 PG 127

N/F  
UNITED STATES OF AMERICA  
0 HUDSON RD  
E03-1002  
BK PAGE

SEE SHEET 20

SEE SHEET 22



| STRUCTURES |      |        |      |      |
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SCALE: 40 FEET TO THE INCH

DRAWING NAME: 12970.01\_EX-Option-2A-2B.dwg  
FIELD BOOK NO:

Project Title

**Eversource Transmission Line**  
Sudbury, Stow and Hudson, Massachusetts

Drawing Title

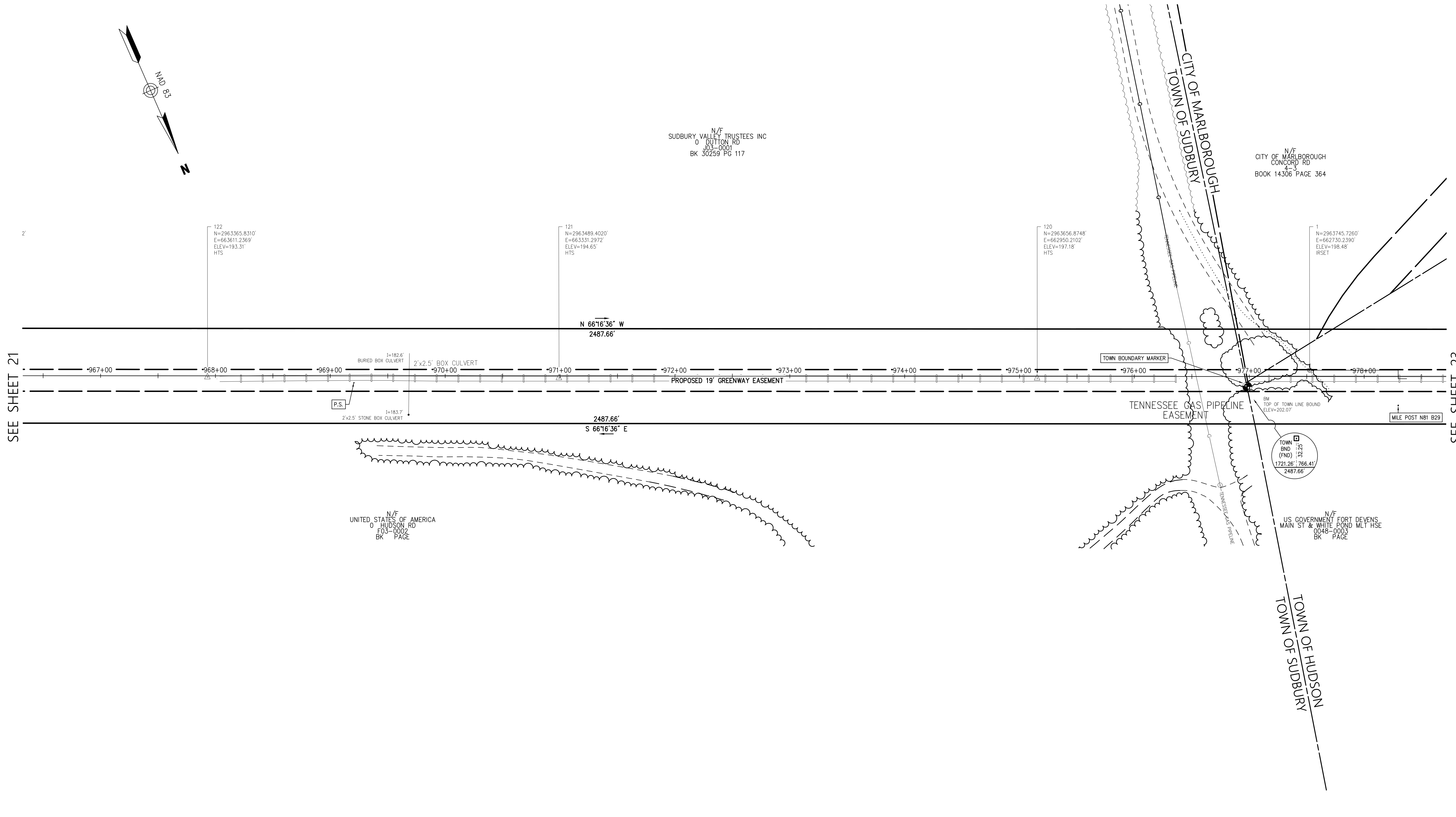
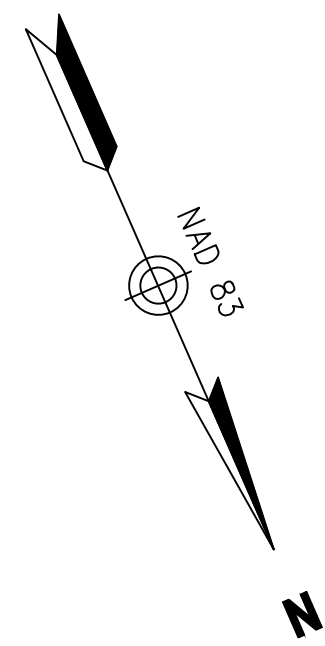
**Candidate Route**  
**Design Option 2**

DATE: JUNE 27, 2016

SHEET 21 OF 44

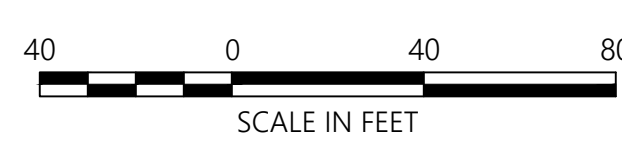
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# SUDBURY



SEE SHEET 21

SEE SHEET 23



| STRUCTURES |      |        |      |      |
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**EVERSOURCE ENERGY**

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DRAWING NAME: 12970.01\_EX-Option-2A-2B.dwg  
 FIELD BOOK NO:

Project Title  
**Eversource Transmission Line**  
 Sudbury, Stow and Hudson, Massachusetts

Drawing Title  
**Candidate Route**  
**Design Option 2**

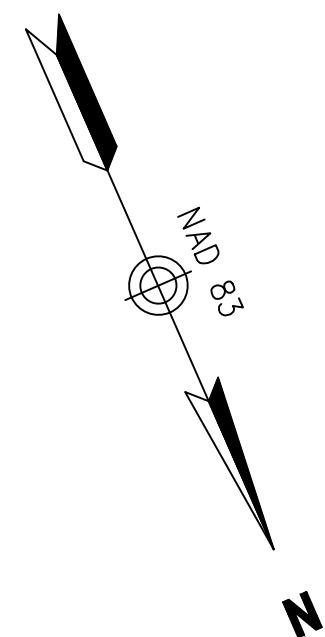
DATE: JUNE 27, 2016

SHEET 22 OF 44

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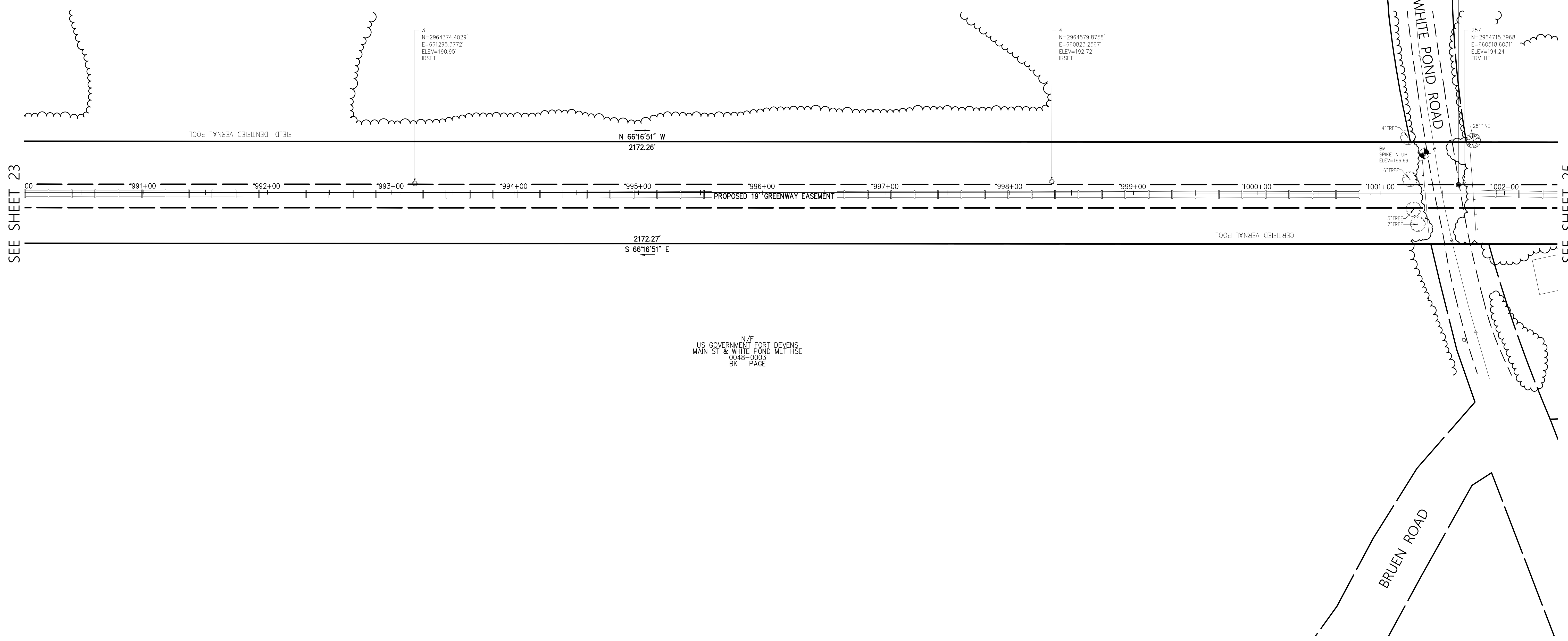


# HUDSON



N/F  
SHERRY ELIZABETH A  
WHITE POND RD  
0060-0002  
BK 19674 PG 189

N/F  
US GOVERNMENT FORT DEVENS  
MAIN ST & WHITE POND MLT HSE  
0048-0003  
BK PAGE



SEE SHEET 23

SEE SHEET 25



| STRUCTURES |      |        |      |      |
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SCALE: 40 FEET TO THE INCH

DRAWING NAME: 12970.01\_EX-Option-2A-2B.dwg  
FIELD BOOK NO:

Project Title  
**Eversource Transmission Line**  
Sudbury, Stow and Hudson, Massachusetts

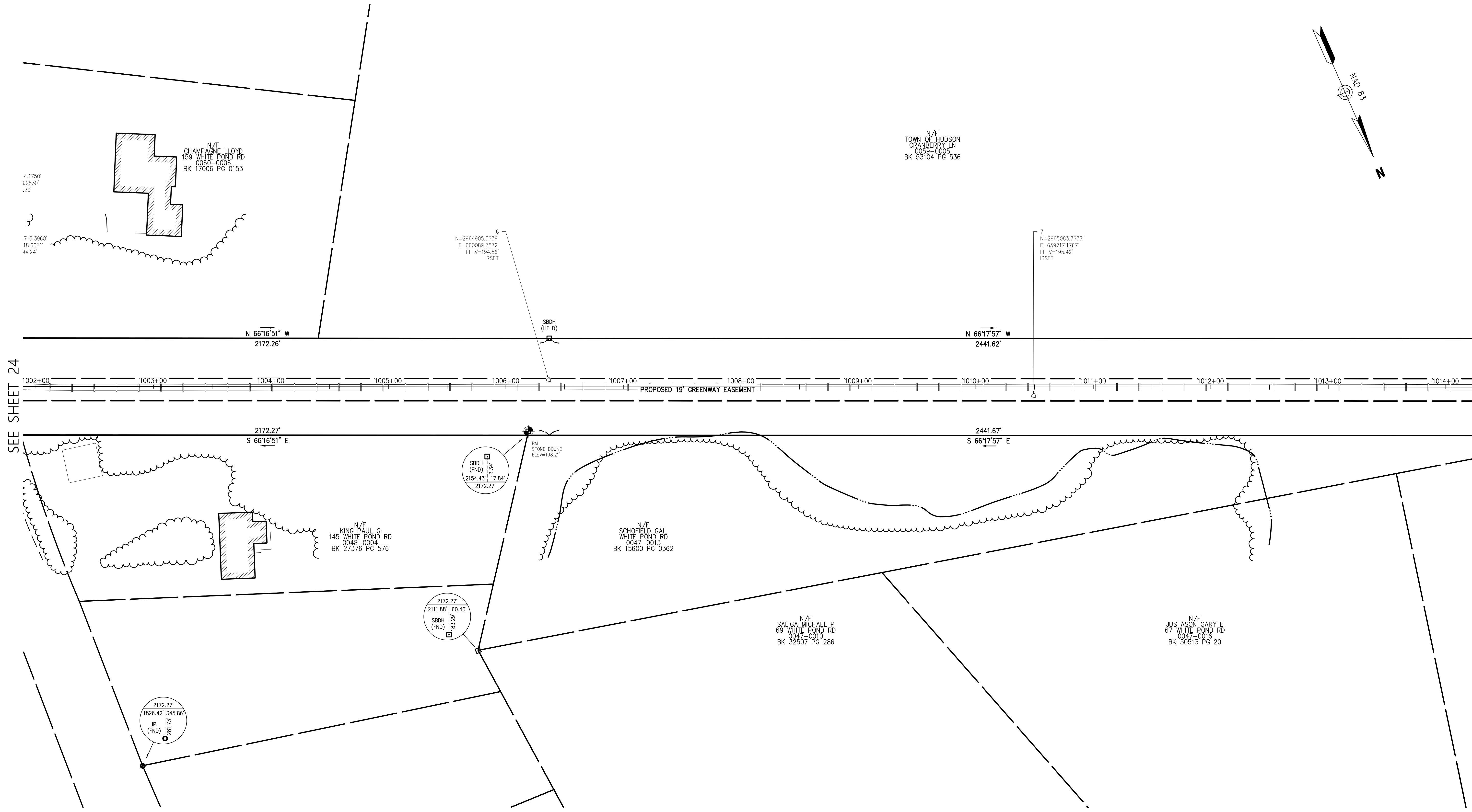
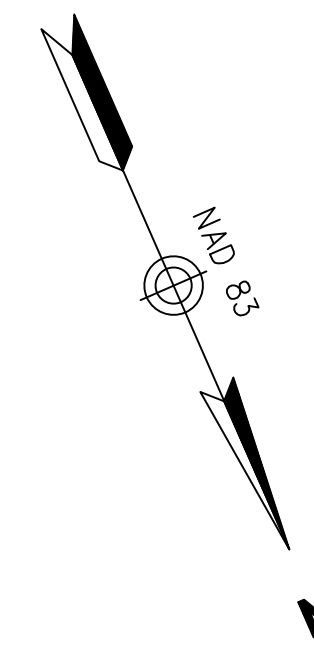
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**Candidate Route**  
**Design Option 2**

DATE: JUNE 27, 2016

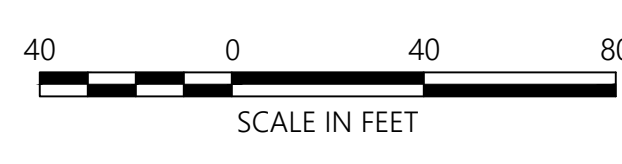
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# HUDSON



SEE SHEET 26



| STRUCTURES |      |        |      |      |
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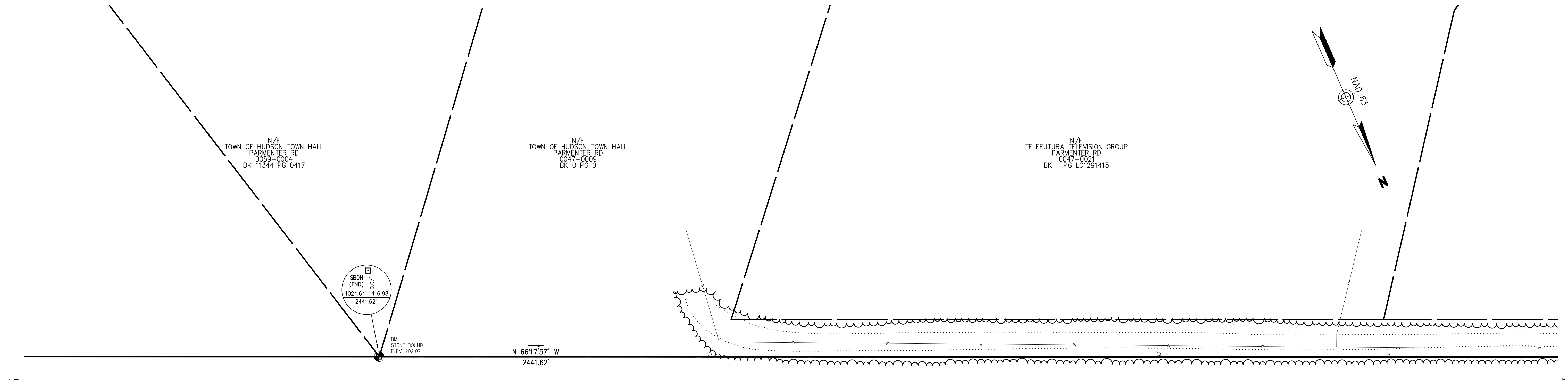
Project Title **Eversource Transmission Line**  
 Sudbury, Stow and Hudson, Massachusetts

Drawing Title **Candidate Route**  
**Design Option 2**

DATE: JUNE 27, 2016 SHEET 25 OF 44

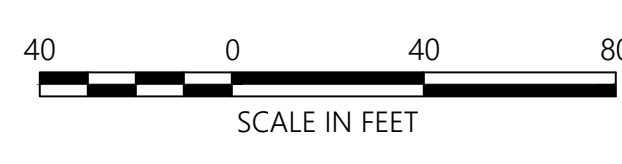
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# HUDSON



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SEE SHEET 27



| STRUCTURES |      |        |      |      |
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Project Title  
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 Sudbury, Stow and Hudson, Massachusetts

Drawing Title  
**Candidate Route**  
**Design Option 2**

DATE: JUNE 27, 2016

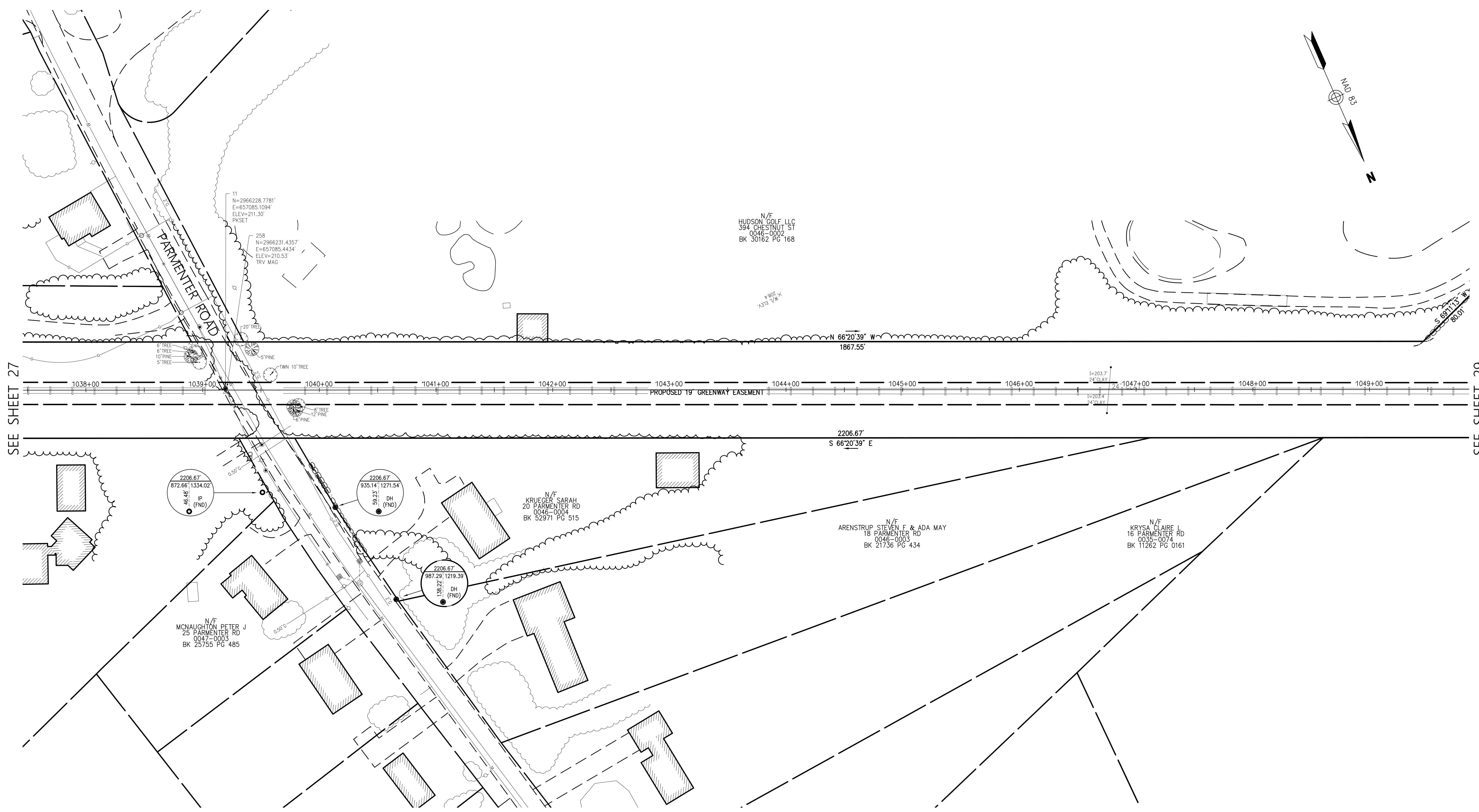
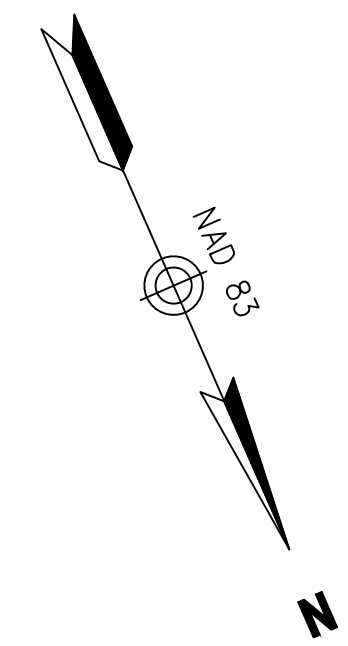
SHEET 26 OF 44

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# HUDSON



SEE SHEET 27

SEE SHEET 29



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**vhb** Transportation 101 Walnut Street, P.O. Box 9151  
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Issued For **EVERSOURCE ENERGY**

SCALE: 40 FEET TO THE INCH

DRAWING NAME: 12970.01\_EX-Option-2A-2B.dwg  
 FIELD BOOK NO:

Project Title **Eversource Transmission Line**  
 Sudbury, Stow and Hudson, Massachusetts

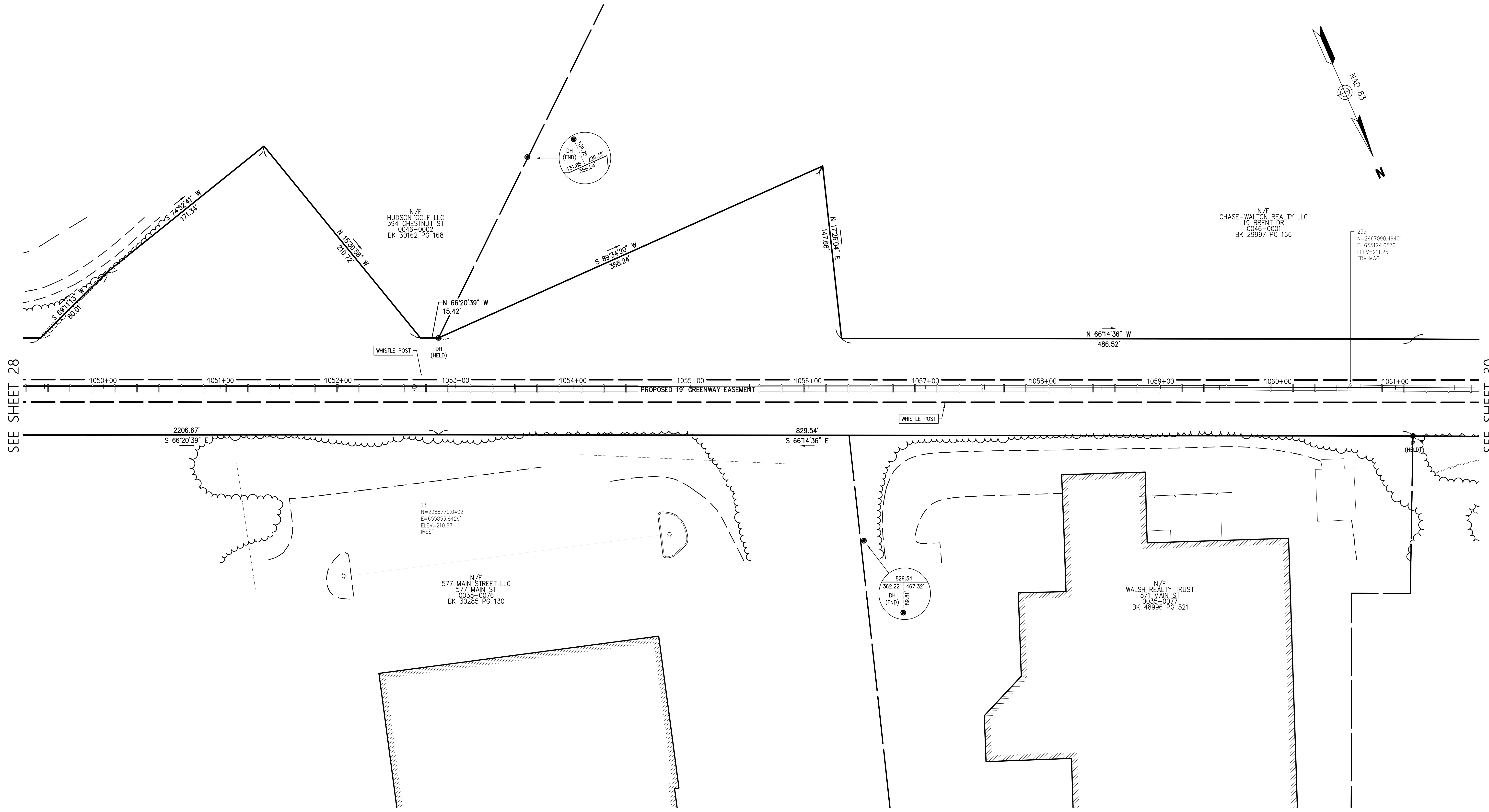
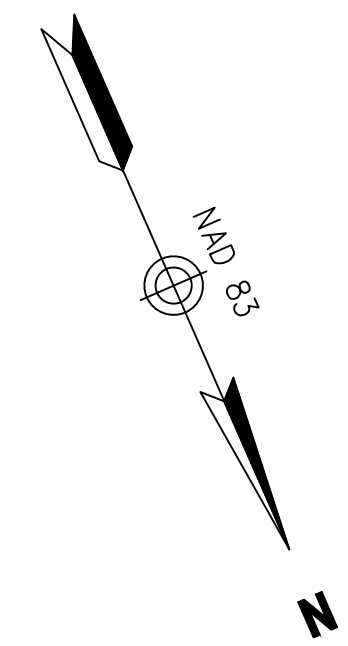
Drawing Title **Candidate Route**  
**Design Option 2**

DATE: JUNE 27, 2016 SHEET 28 OF 44

Saved Thursday, November 17, 2016 4:51:11 PM SRVANK Plotted Wednesday, August 29, 2018 11:51:55 AM Ryan, Steven \\VHB\PROJ\WAT-LD\12970.01\_SUDBUHY-HUDSON-SURVEY\CAD\SRV\PLANSET\12970.01\_EX-OPTION-2A-2B



# HUDSON



SEE SHEET 28

SEE SHEET 30



| STRUCTURES |      |        |      |      |
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| NO.        | TYPE | HEIGHT | SPAN | GUYS |
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 Land Development  
 Environmental Services

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SCALE: 40 FEET TO THE INCH

DRAWING NAME: 12970.01\_EX-Option-2A-2B.dwg

FIELD BOOK NO:

Project Title

**Eversource Transmission Line**  
Sudbury, Stow and Hudson, Massachusetts

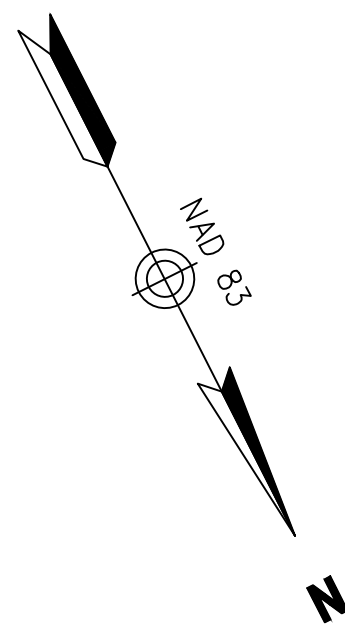
Drawing Title

**Candidate Route**  
**Design Option 2**

DATE: JUNE 27, 2016

SHEET 29 OF 44

# HUDSON



N/F  
CHASE-WALTON REALTY LLC  
19 BRENT DR  
0045-0091  
BK 29997 PG 166

N/F  
EXTRA SPACE EAST OF HUDSON LLC  
565 MAIN ST  
0035-0078  
BK 42696 PG 566

SBDH  
(FND)  
500.35' 1004.42'  
1504.77

SBDH  
(FND)  
532.27' 972.51'  
1504.77

N/F  
GREENSTW/ DANIEL A  
560 MAIN ST  
0035-0106  
BK 27579 PG 353

N/F  
MORGAN ASS. LTD  
0035-0106  
BK 19091 PG 0482

15  
N=2967208.6624  
E=654683.0776  
ELEV=210.94  
IRSET

16  
N=2967409.6453  
E=654485.7452  
ELEV=208.26  
IRSET

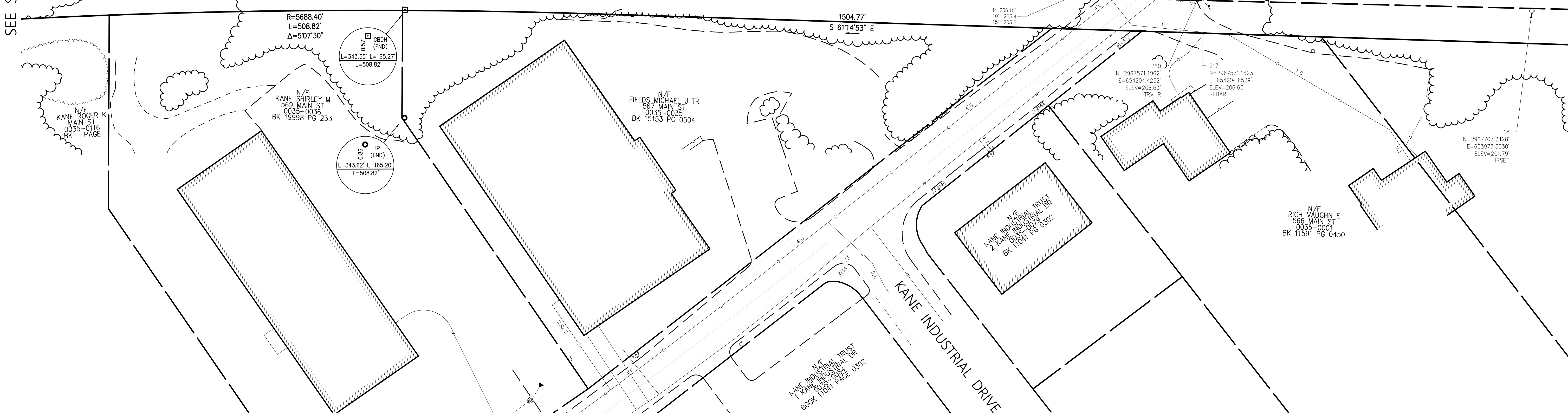
R=5770.90'  
L=516.20'  
Δ=5°07'30"

N 61°14'53" W  
1504.77

BM BOLT ON HYDRANT  
ELEV=210.48'

SEE SHEET 29

SEE SHEET 31



| STRUCTURES |      |        |      |      |
|------------|------|--------|------|------|
| NO.        | TYPE | HEIGHT | SPAN | GUYS |
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Project Title  
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Sudbury, Stow and Hudson, Massachusetts**

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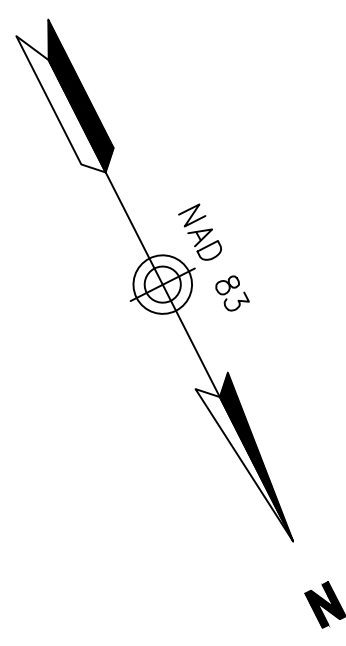
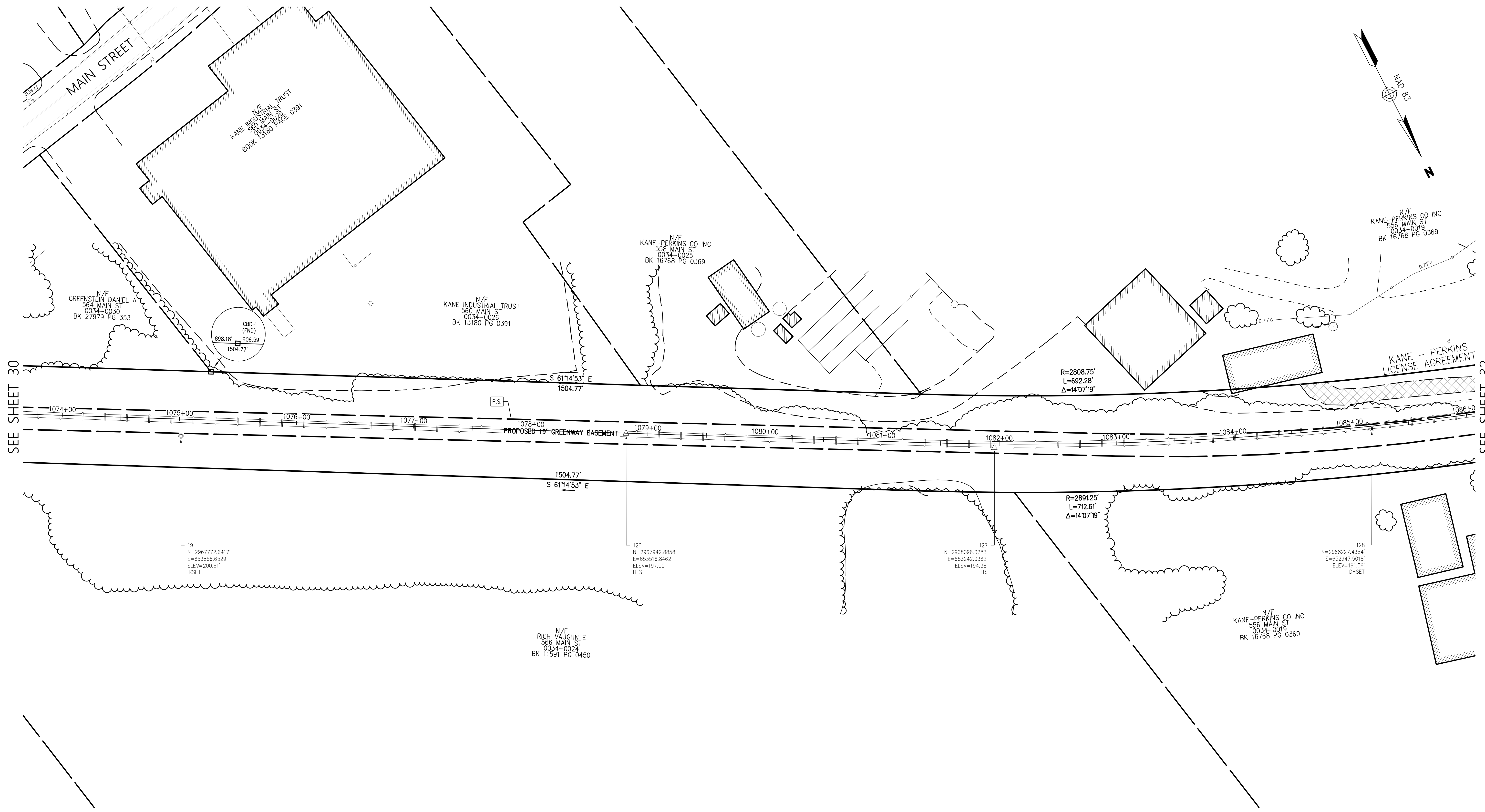
Drawing Title  
**Candidate Route  
Design Option 2**

DRAWING NAME: 12970.01\_EX-Option-2A-2B.dwg  
FIELD BOOK NO:

DATE: JUNE 27, 2016 SHEET 30 OF 44

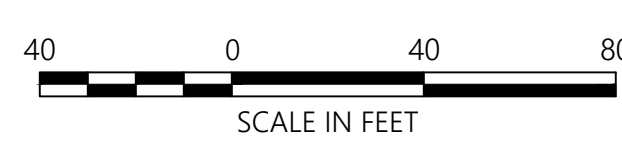
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# HUDSON



SEE SHEET 30

SEE SHEET 32



| STRUCTURES |      |        |      |      |
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| NO.        | TYPE | HEIGHT | SPAN | GUYS |
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DRAWING NAME: 12970.01\_EX-Option-2A-2B.dwg  
 FIELD BOOK NO:

Project Title  
**Eversource Transmission Line**  
 Sudbury, Stow and Hudson, Massachusetts

Drawing Title  
**Candidate Route**  
**Design Option 2**

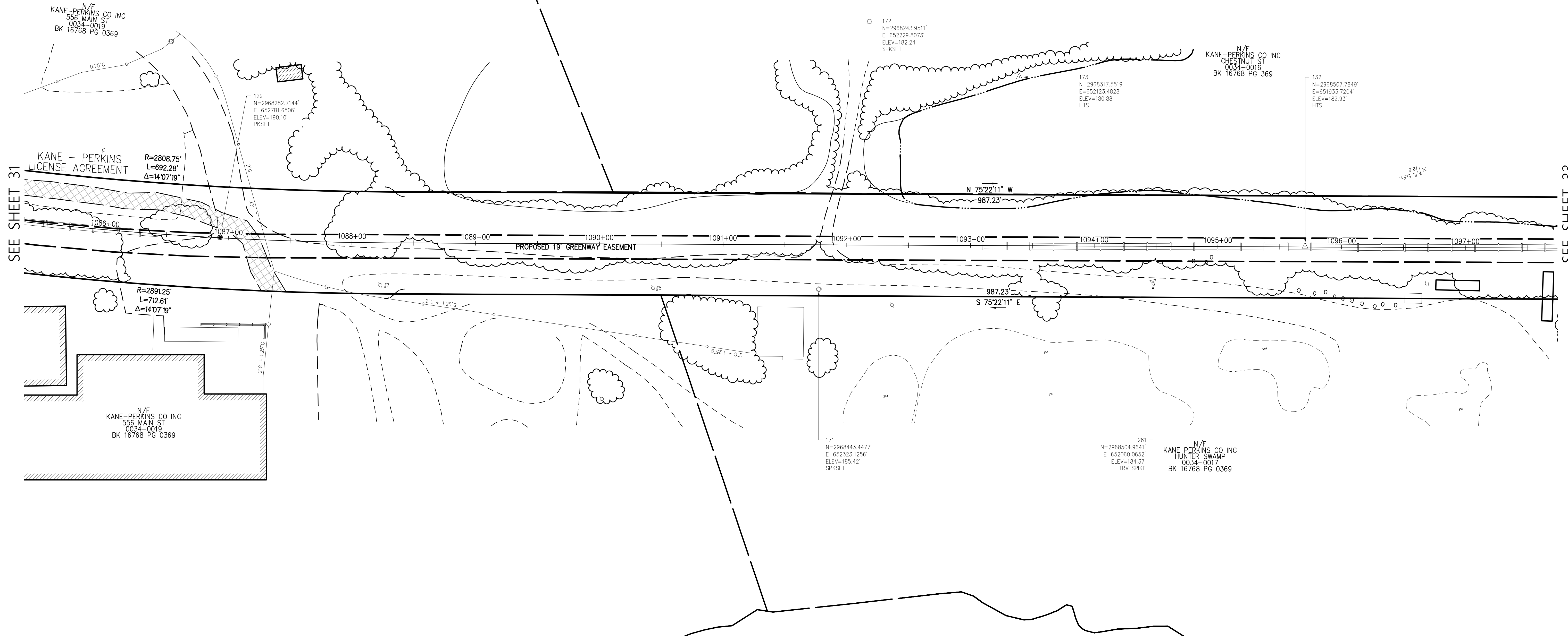
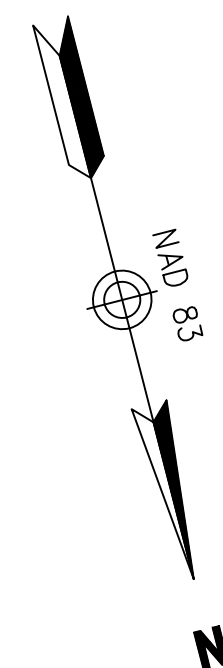
DATE: JUNE 27, 2016

SHEET 31 OF 44

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# HUDSON



SEE SHEET 33



| STRUCTURES |      |        |      |      |
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DRAWING NAME: 12970.01\_EX-Option-2A-2B.dwg  
 FIELD BOOK NO:

Project Title  
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 Sudbury, Stow and Hudson, Massachusetts

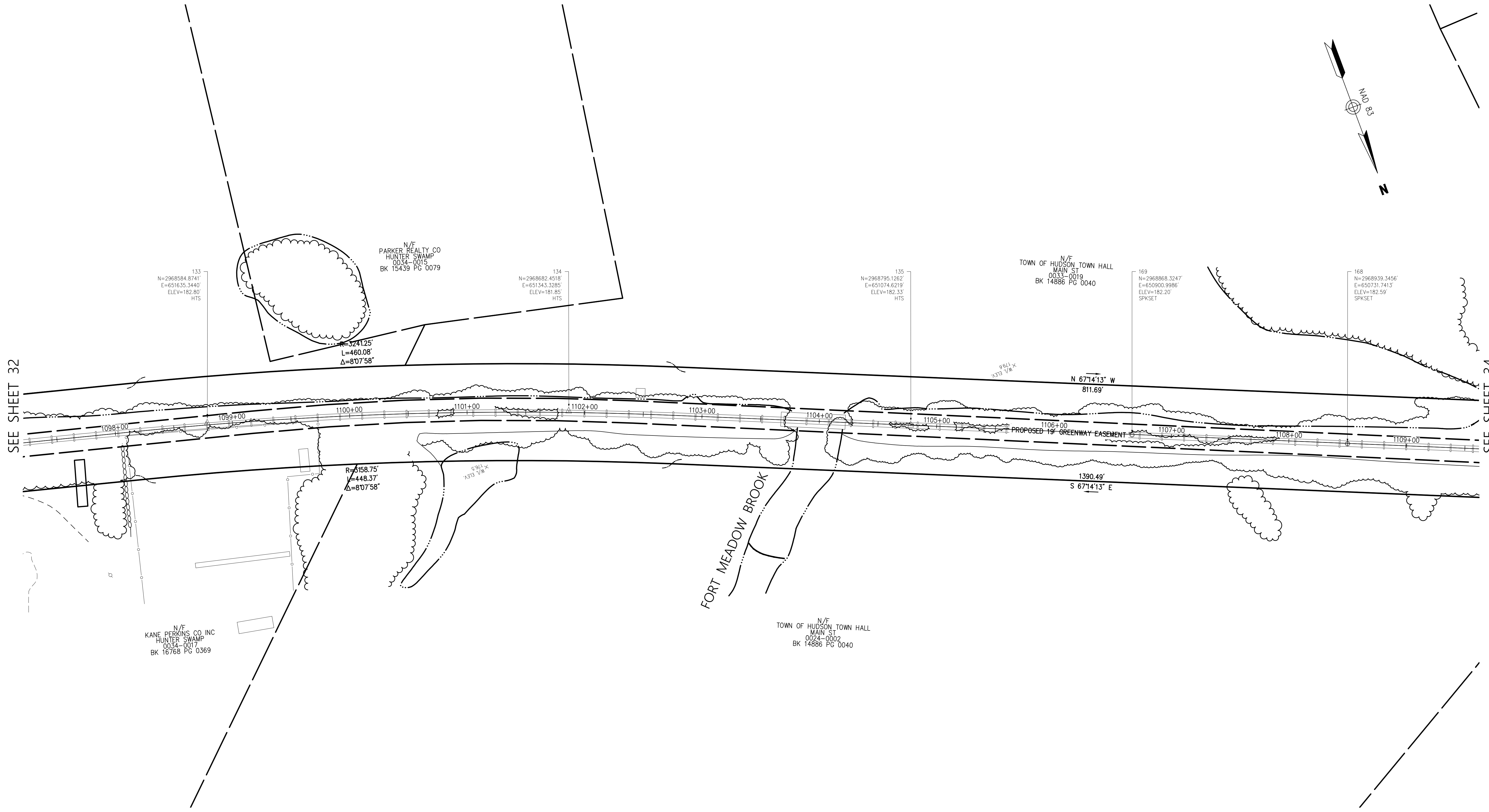
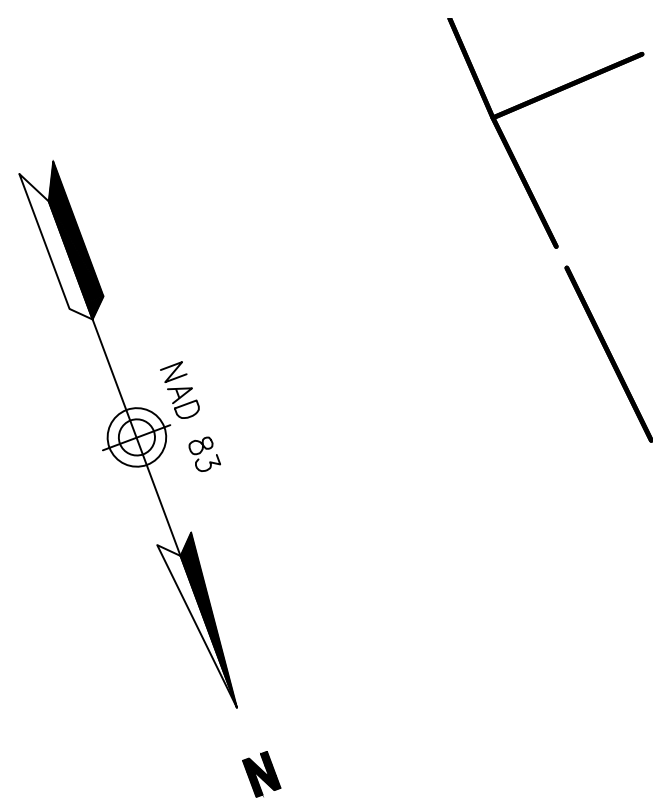
Drawing Title  
**Candidate Route**  
**Design Option 2**

DATE: JUNE 27, 2016

SHEET 32 OF 44

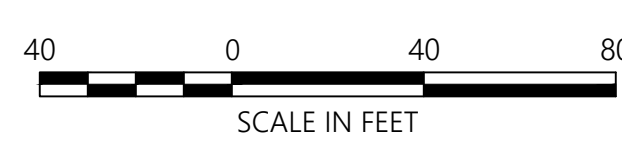
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# HUDSON



SEE SHEET 32

SEE SHEET 34



| STRUCTURES |      |        |      |      |
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| NO.        | TYPE | HEIGHT | SPAN | GUYS |
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DRAWING NAME: 12970.01\_EX-Option-2A-2B.dwg  
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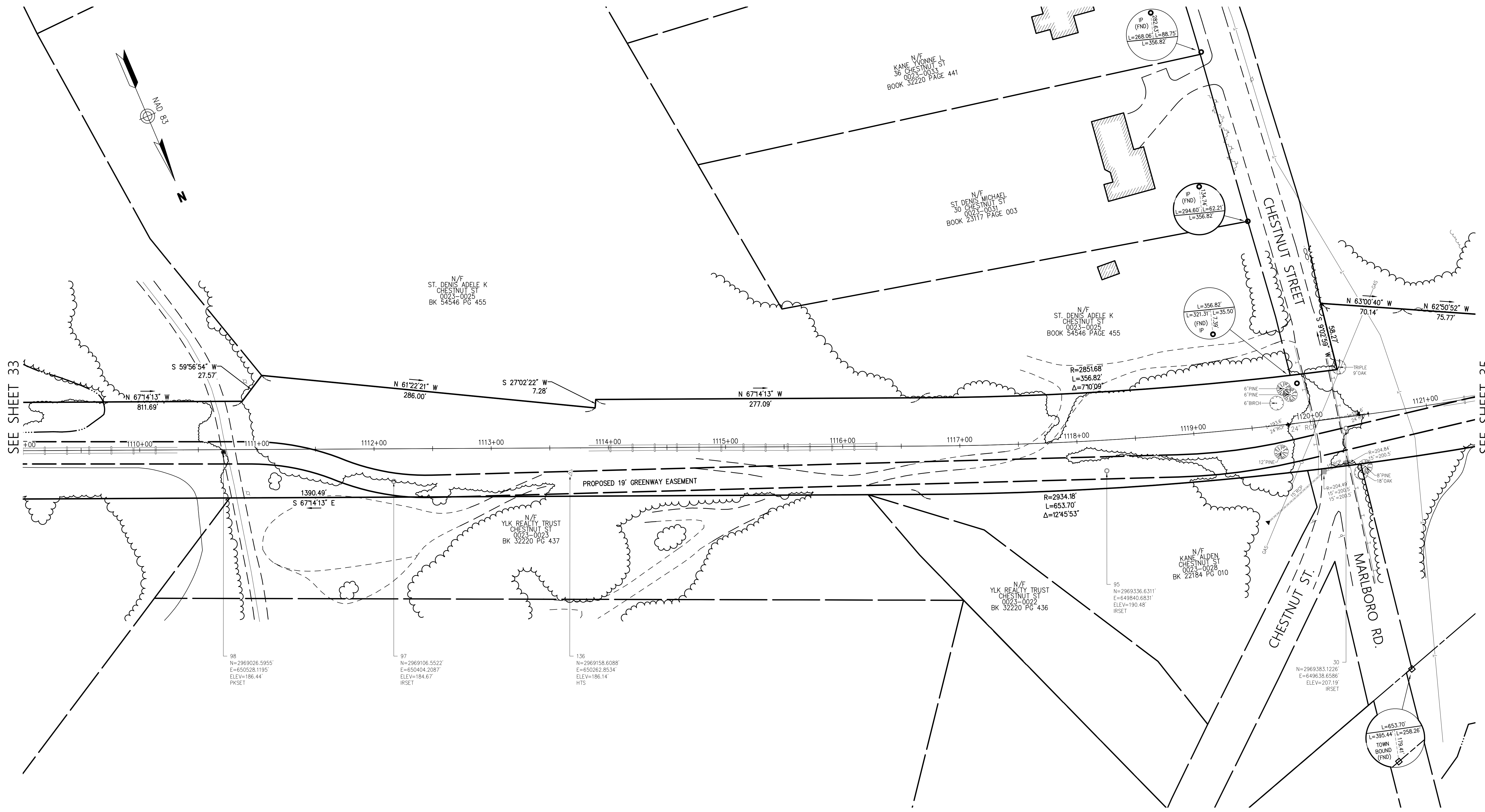
Project Title **Eversource Transmission Line**  
 Sudbury, Stow and Hudson, Massachusetts

Drawing Title **Candidate Route**  
**Design Option 2**

DATE: JUNE 27, 2016 SHEET 33 OF 44

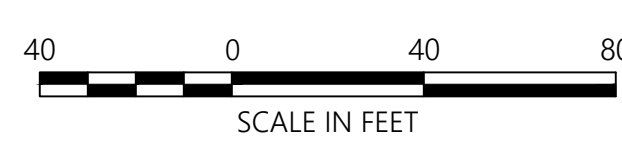
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# HUDSON



SEE SHEET 33

SEE SHEET 35



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| NO.        | TYPE | HEIGHT | SPAN | GUYS |
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DRAWING NAME: 12970.01\_EX-Option-2A-2B.dwg  
 FIELD BOOK NO:

Project Title  
**Eversource Transmission Line**  
 Sudbury, Stow and Hudson, Massachusetts

Drawing Title  
**Candidate Route**  
**Design Option 2**

DATE: JUNE 27, 2016

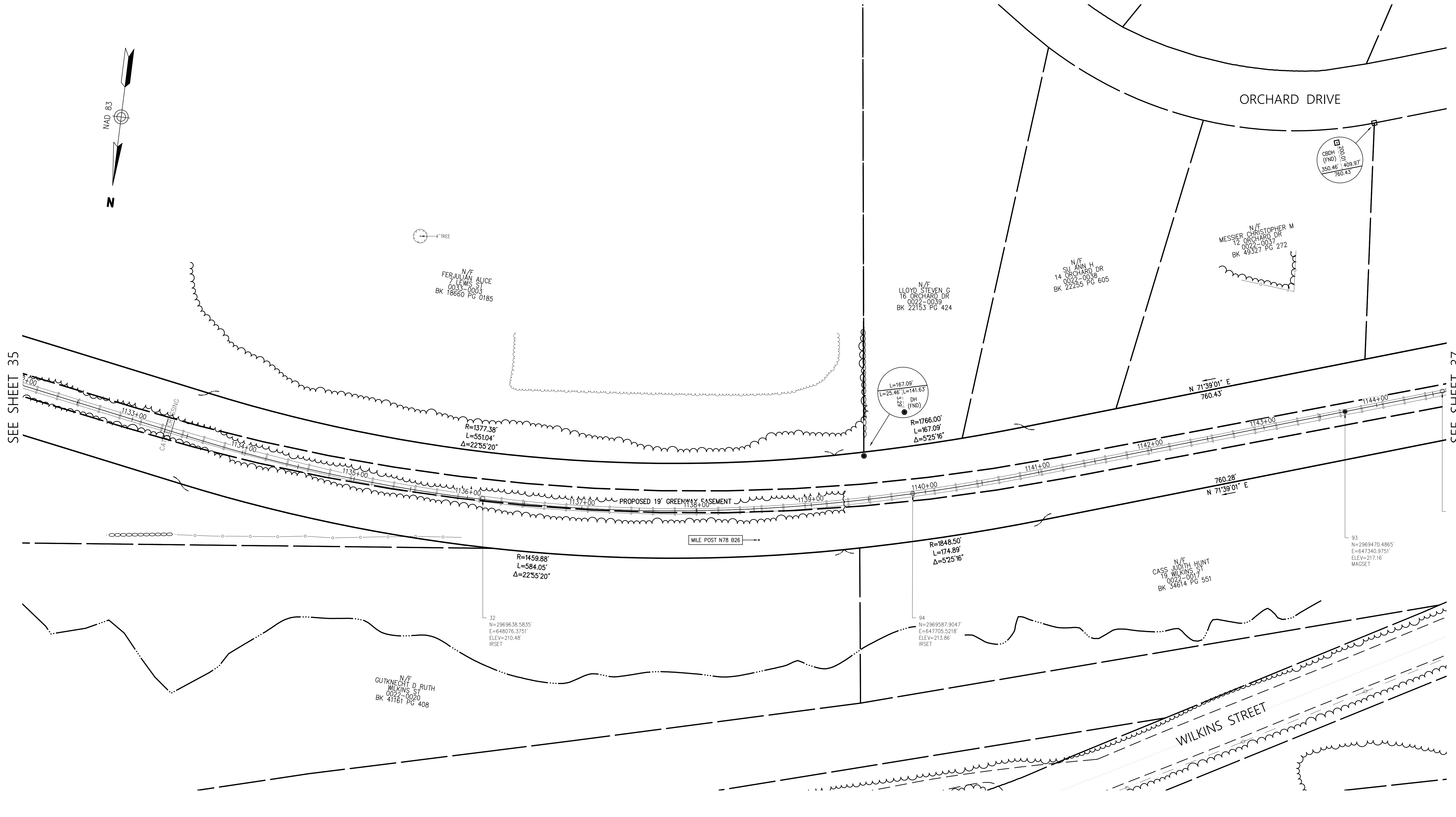
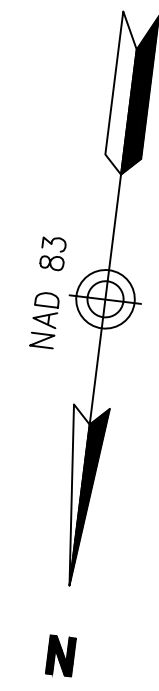
SHEET 34 OF 44

Saved Thursday, November 17, 2016 4:51:11 PM SRVAN Plotted Wednesday, August 29, 2018 11:54:24 AM Ryan, Steven \\VHB\PROJ\WAT-LD\12970.01\_SUDBUJY-HUDSON-SURVEY\CAD\SRV\PLANSET\12970.01\_EX-OPTION-2A-2B



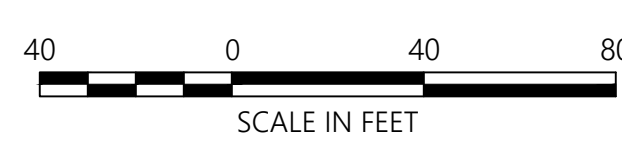


# HUDSON



SEE SHEET 35

SEE SHEET 37



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| NO.        | TYPE | HEIGHT | SPAN | GUYS |
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DRAWING NAME: 12970.01\_EX-Option-2A-2B.dwg  
 FIELD BOOK NO:

Project Title: **Eversource Transmission Line**  
 Sudbury, Stow and Hudson, Massachusetts

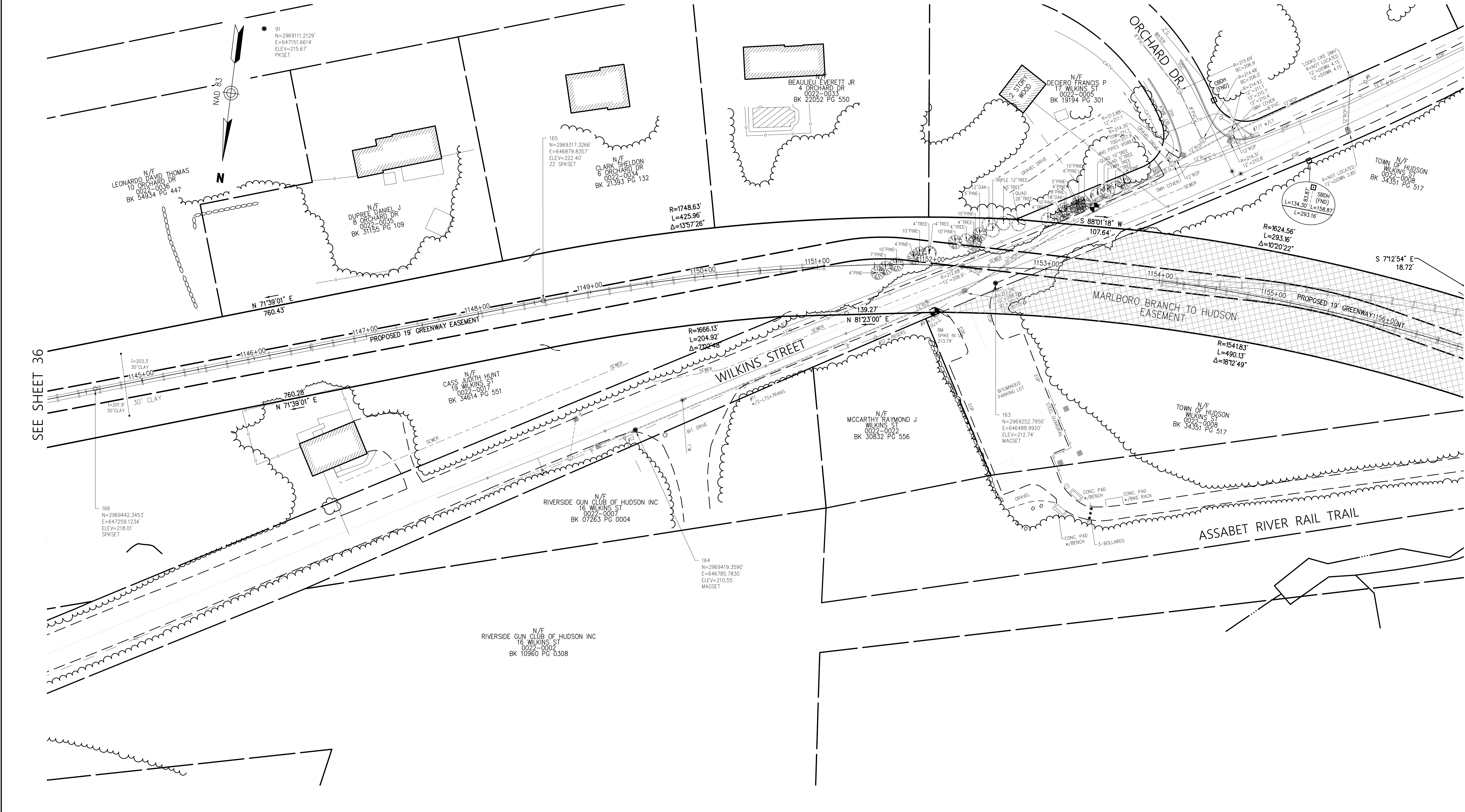
Drawing Title: **Candidate Route Design Option 2**

DATE: JUNE 27, 2016

SHEET 36 OF 44

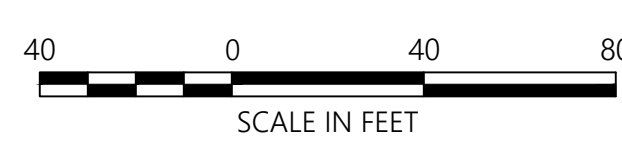
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# HUDSON



SEE SHEET 36

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| Prepared By | <b>Vanasse Hangen Brustlin, Inc.</b> |                                     |
|-------------|--------------------------------------|-------------------------------------|
|             | Transportation                       | 101 Walnut Street, P.O. Box 9151    |
|             | Land Development                     | Watertown, Massachusetts 02471-9151 |
|             | Environmental Services               | 617.924.1770 • FAX 617.924.2286     |
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DRAWING NAME: 12970.01\_EX-Option-2A-2B.dwg

FIELD BOOK NO:

Project Title

**Eversource Transmission Line**  
Sudbury, Stow and Hudson, Massachusetts

Drawing Title

**Candidate Route**  
**Design Option 2**

DATE: JUNE 27, 2016

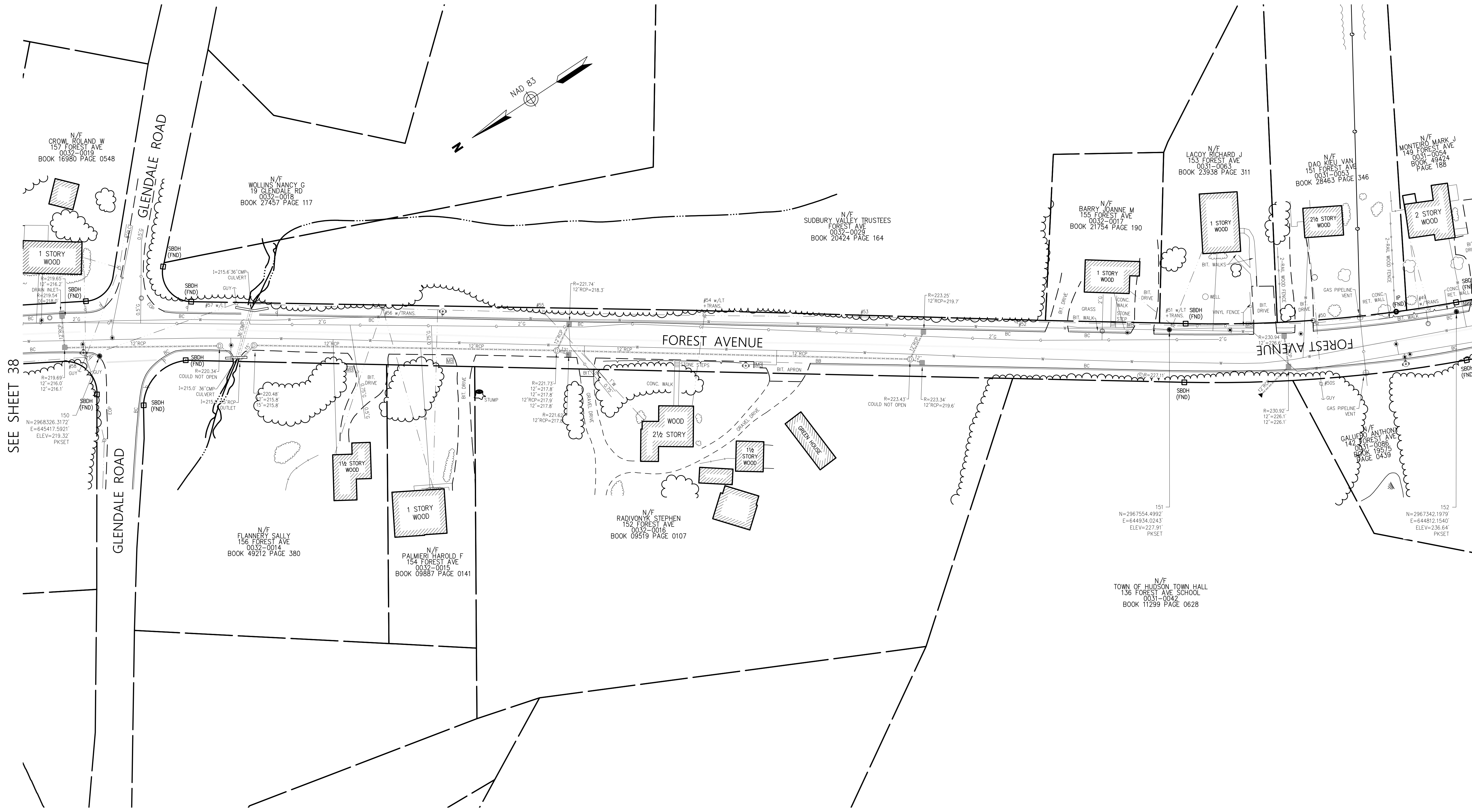
SHEET 37 OF 44

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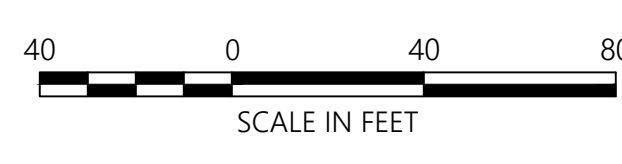




# HUDSON



SEE SHEET 40



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DRAWING NAME: 12970.01\_EX-Option-2A-2B.dwg  
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Project Title  
**Eversource Transmission Line**  
 Sudbury, Stow and Hudson, Massachusetts

Drawing Title  
**Candidate Route**  
**Design Option 2**

DATE: JUNE 27, 2016 SHEET 39 OF 44

Saved Thursday, November 17, 2016 4:51:11 PM SRVANK Plotted Wednesday, August 29, 2016 11:56:29 AM Ryan, Steven \\VHB\PROJ\WAT-LD\12970.01\_SUDBURY-HUDSON-SURVEY\CAD\SRV\PLANSET\12970.01\_EX-OPTION-2A-2B

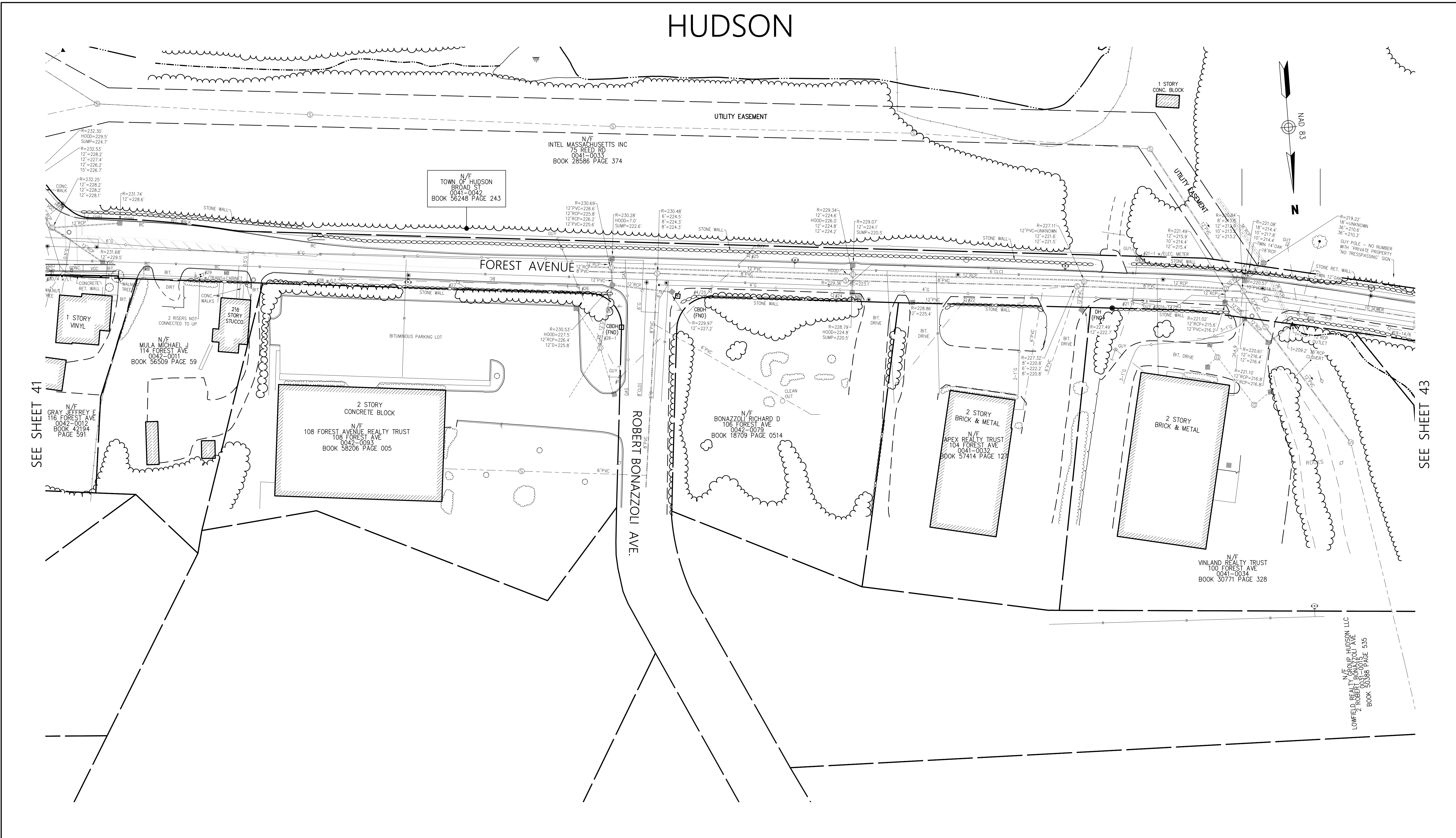








# HUDSON



SEE SHEET 41

SEE SHEET 43



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 FIELD BOOK NO:

Drawing Title  
**Candidate Route**  
**Design Option 2**  
 DATE: JUNE 27, 2016  
 SHEET 42 OF 44

Saved Thursday, November 17, 2016 4:51:11 PM SRVAN Plotted Wednesday, August 29, 2018 11:57:45 AM Ryan, Steven \\VHB\PROJ\WAT-12970.01\_SUDBU-12970.01\_EX-OPTION-2A-2B







