



Public Facilities Committee Agenda

City of Newton In City Council

Wednesday, November 18, 2020

The Public Facilities Committee will hold this meeting as a virtual meeting on Wednesday, November 18, 2020 at 7:00 pm. To view this meeting using Zoom use this link: <https://us02web.zoom.us/j/87912212296> or call 1-646-558-8656 and use the following Meeting ID: 879 1221 2296

Item Scheduled for Discussion:

Public Hearing

#454-20

National Grid petition for grant of location in North Street and Cummings Road

NATIONAL GRID petition for a grant of location to install and maintain gas main in North Street and Cummings Road as follows:

- 1240' ± of 4" plastic main in North Street from 85 Cummings Road to #430 Homer Street, to replace 320' ± of 6" cast iron and 920' ± of 4" cast iron
- 130' ± of 4" plastic main from the existing 12" cast iron main to #9 Cummings Road
- 1030' ± of 4" plastic main from #9 Cummings Road to the end of the main at #85 Cummings Road, to replace 310' ± of 6" bare steel main, 480' ± of 4" cast iron and 240' ± of 6" cast iron
- 95' ± of 4" plastic main in Cummings Road to the end of the main at 8 Dennis Place, to replace 55' ± of 3" bare steel and 40' ± of 2" plastic main

This work is to replace cast iron and bare steel mains.

#413-20

Eversource petition for Grant of Location in Old England Road

EVERSOURCE ENERGY petitioning for a grant of location to install 269' ± of conduit in an easterly direction from new pole #329/7 located 620' ± west from Woodman Road (Ward 7).

Public Facilities Held 8-0 on 11/02/20

The location of this meeting is accessible and reasonable accommodations will be provided to persons with disabilities who require assistance. If you need a reasonable accommodation, please contact the city of Newton's ADA Coordinator, Jini Fairley, at least two business days in advance of the meeting: jfairley@newtonma.gov or (617) 796-1253. The city's TTY/TDD direct line is: 617-796-1089. For the Telecommunications Relay Service (TRS), please dial 711.

#414-20 Verizon petition for a Grant of Location on Old England Road
VERIZON petitioning for a grant of location to install approximately 286' of 4" conduit in a westerly direction from existing pole (P.5) to pole P.7 (Ward 7).
Public Facilities Held 8-0 on 11/02/20

#415-20 Verizon petition for a Grant of Location on Old England Road
VERIZON petitioning for a grant of location to relocate and remove poles on Old England Road as follows. This petition is necessary to remove aerial cables for underground placement by customer request. (Ward 7)

- Relocate pole 30/P.5 15' +/- easterly from its existing location
- Relocate pole 30/P.7 25' +/- westerly from its existing location

Remove pole 30/P.6 on the northerly side of Old England Road
Public Facilities Held 8-0 on 11/02/20

Chair's Note: *MassDOT will present the preferred options for redesign of the Commonwealth Avenue/Auburn Street intersection.*

#436-20 Adoption of a Resolution in support of requiring permits for phosphorus discharge
COUNCILORS NORTON, BAKER, BOWMAN, DOWNS, KALIS, LAREDO, LEARY, MARKIEWICZ and WRIGHT requesting the adoption of a resolution that the City Council go on record in support of US EPA requiring large sources of phosphorus pollution into the Charles River and its tributaries and streams to obtain stormwater discharge permits under the Clean Water Act.

#396-20 Request for updates on HVAC and ventilation at Newton Public Schools
The President of the Council, on behalf of the City Council, requesting an update to the Public Facilities Committee from Commissioner Morse on current work on HVAC and air quality in the Newton Public Schools at each meeting of the Public Facilities Committee this fall until work is complete.
Public Facilities Held 8-0 on 10/07/20
Public Facilities Held 7-0 on 10/21/20

Respectfully submitted,

Alison M. Leary, Chair

RECEIVED
Newton City Clerk

**CITY OF NEWTON
MASSACHUSETTS**

2020 OCT 14 AM 9:12

PETITION for GRANT OF LOCATION

David A. Olson, CMC
Newton, MA 02459

To the Petitioner:

City of Newton Ordinance Section 23-52 requires that each petition for grant of location be submitted to the Board of Aldermen before it is sent to the Public Works Department for a preliminary review. The comments of the Public Works Commissioner will be part of the record submitted to the Board of Aldermen. Upon filing with the Board of Aldermen, the petition will be scheduled for a public hearing before the Public Facilities Committee of the Board of Aldermen. **The petitioner is responsible for insuring that the petition is complete and all required materials are in order for review.** Attached please find the City Engineer's Standard Requirements for Plans and the Department of Public Works Permit Processing brochure.

Grant of Location Process:

1. Applicant submits completed Petition Form and required materials to the Board of Aldermen
2. Public Works Department conducts preliminary review and gives written comments to the applicant
3. Engineering Division files Petition Form with comments with the Clerk of the Board of Aldermen
4. Board of Aldermen schedules petition for a public hearing before the Public Facilities Committee of the Board of Aldermen
5. Public Facilities Committee recommendations are forwarded to the Board of Aldermen for a final decision

Questions may be directed to:

Lou Taverna, City Engineer, 617-796-1020
Cassidy Flynn, Clerk of the Public Facilities Committee 617-796-1213

I. IDENTIFICATION (Please Type or Print Clearly)

Company Name

NATIONAL GRID

Address

40 Sylvan Road, Waltham MA 02451

Phone Number

617894 3896

Fax Number _____

Contact Person

Mary Mulroney

Title

Permit Representative

Signature

Mary Mulroney

Date October 14, 2020

Person filing application

If a telecommunications company, indicate how certified by the Department of Telecommunications and Energy:

II. DESCRIPTION OF PROJECT: to be completed by petitioner

A. Write here or attach a description of the project including, location, proposed time frame for completion, type of materials to be used, benefit provided to the City, project mitigation plan as applicable, street reconstruction plan including timetable for completion.

B.
 To install and maintain approximately -1240 feet of 4-inch, plastic in North St from Cummings Rd to #430 Homer Rd. To replace 320 feet of 6 inch, cast iron (1926), 920 feet of 4 inch, cast iron (1919).
 To install 130 feet of 4- inch, plastic from the existing 12 inch, cast iron to 9 Cummings Rd.
 To install 1030 feet of 4-inch, plastic from 9 Cummings Rd to the end of main at 85 Cummings Rd. To replace 310 feet of 6-inch, bare steel (1940), 480 feet of 4-inch, cast iron (1919), and 240 feet of 6 inch, cast iron (1928).
 To install 95 feet of 4-inch, plastic from Cummings Rd to the end of main at 8 Denny Pl.
 To replace 55 feet of 3-inch, bare steel (1961) and 40 feet of 2-inch, plastic (2017)

C.
 D. Include or attach a sketch to provide a visual description of the project. If plans are attached, provide:
 Title of Plan _____ Date of plan _____

III. PUBLIC WORKS DEPARTMENT REVIEW

Date received by Public Works Department October 14 2020

Check One:
 Minor Project Major Project Lateral

(Refer to City Engineer Standard Requirements for Plans for definition of minor and major project)

Plans Submitted:
 Certified Plot Plan Stamped Plans

DATE AND COMMENTS:

RECOMMENDATIONS:

<p>NGrid plans to replace existing cast iron gas mains that date back 100 years old with plastic pipe and new services. Based on a site visit today I observed over 25 trench patches over the existing main which I believe represent joint repairs. Due to the narrow roadway I would recommend that construction commence after</p>	<p>the morning commute to minimize delays for the residents that need to go to work. Once the new 4" main is installed within Denny Place the old 3" main that has encroached on #14 Cummings Rd should be removed off the property (see sheet C-101). I recommend that a temp. trench patch go through a full winter cycle before final restoration of the trench. <i>John Daghtlian, Associate City Engineer Oct. 22, 2020</i></p>
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V. RECOMMENDATION TO PUBLIC FACILITIES COMMITTEE:

Shawna Sullivan
 Commissioner, Public Works

Digitally signed by Shawna Sullivan
 Date: 2020.10.29 16:53:41 -04'00'

_____ Date

PETITION OF NATIONAL GRID FOR GAS MAIN LOCATIONS

City of Newton / City Council:

The Nationalgrid hereby respectfully requests your consent to the locations of mains as hereinafter described for the transmission and distribution of gas in and under the following public streets, lanes, highways and places of the **City of Newton** and of the pipes, valves, governors, manholes and other structures, fixtures and appurtenances designed or intended to protect or operate said mains and accomplish the objects of said Company; and the digging up and opening the ground to lay or place same:

- To install and maintain approximately -1240 feet of 4-inch, plastic in North St from Cummings Rd to #430 Homer Rd. To replace 320 feet of 6 inch, cast iron (1926), 920 feet of 4 inch, cast iron (1919). To install 130 feet of 4- inch, plastic from the existing 12 inch, cast iron to 9 Cummings Rd. To install 1030 feet of 4-inch, plastic from 9 Cummings Rd to the end of main at 85 Cummings Rd. To replace 310 feet of 6-inch, bare steel (1940), 480 feet of 4-inch, cast iron (1919), and 240 feet of 6 inch, cast iron (1928).
- To install 95 feet of 4-inch, plastic from Cummings Rd to the end of main at 8 Denny Pl.
- To replace 55 feet of 3-inch, bare steel (1961) and 40 feet of 2-inch, plastic (2017)

Date: October 14, 2020

By: _____

Mary Mulroney
Permit Representative

City of Newton / City Council:

IT IS HEREBY ORDERED that the locations of the mains of the Nationalgrid for the transmission and distribution of gas in and under the public streets, lanes, highways and places of the **City of Newton** substantially as described in the petition date October 14, 2020 attached hereto and hereby made a part hereof, and of the pipes, valves, governors, manholes and other structures, fixtures and appurtenances designed or intended to protect or operate said mains and/or accomplish the objects of said Company, and the digging up and opening the ground to lay or place same, are hereby consented to and approved.

The said Nationalgrid shall comply with all applicable provisions of law and ordinances of the **City of Newton** applicable to the enjoyment of said locations and rights.

Date this _____ day of _____, 20____.

I hereby certify that the foregoing order was duly adopted by the _____ of the City of _____, MA on the _____ day of _____, 20____.

By: _____

Title

WO #1118346

RETURN ORIGINAL TO THE PERMIT SECTION

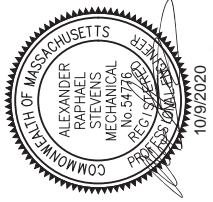
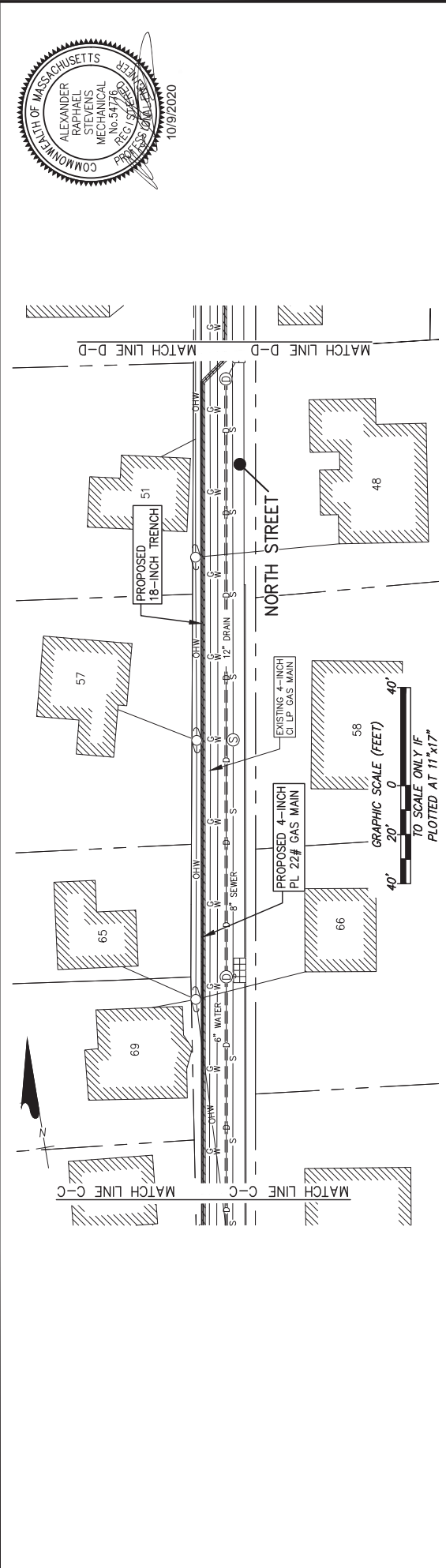
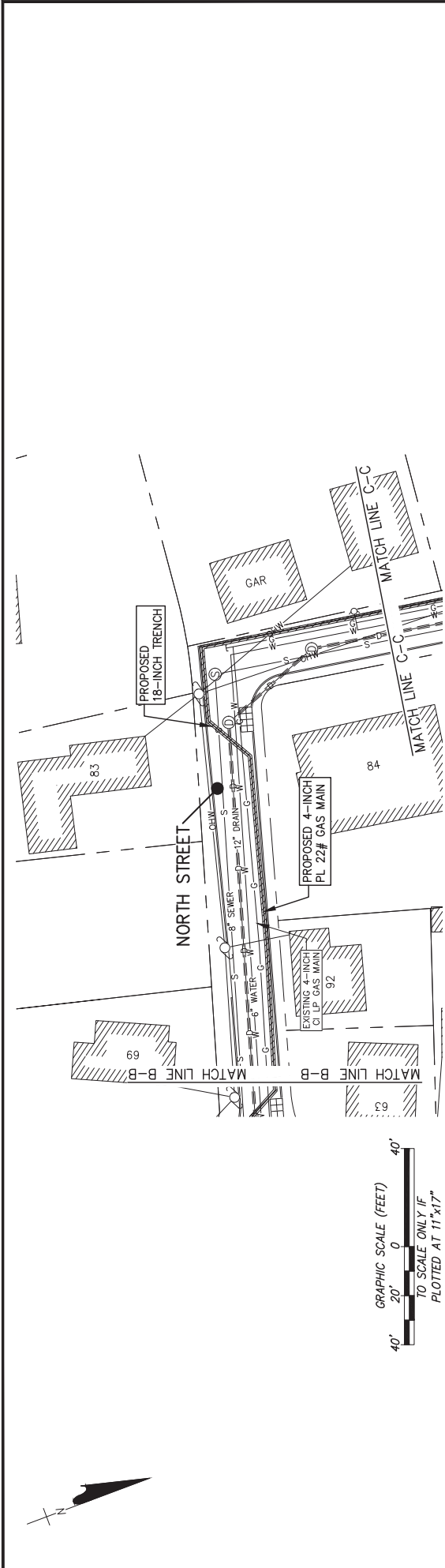
NATIONAL GRID
40 SYLVAN RD, WALTHAM, MA 02451
RETAIN DUPLICATE FOR YOUR RECORDS

454-20

Final Label Report

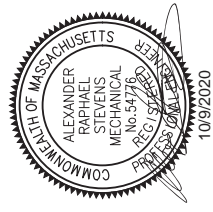
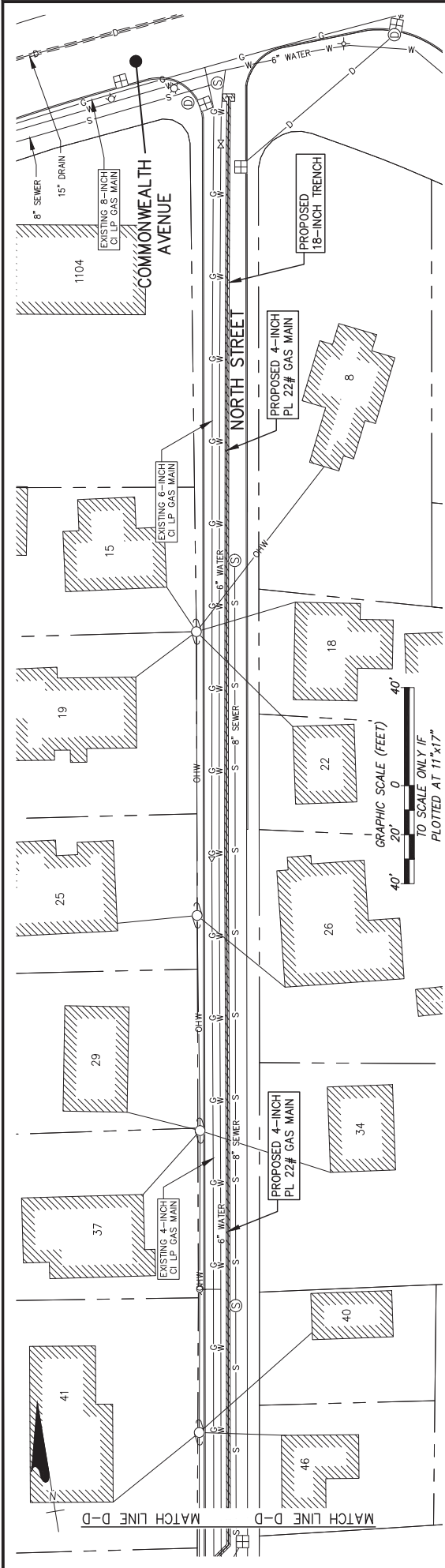
SBL	Owner	Number	Street	Unit
64003 0025	HELLER ZACHARY I & LYNNE E	1104	COMMONWEALTH AVE	
64003 0024A	CUTRONE DAVID A	1112-1114	COMMONWEALTH AVE	
64003 0024	DEMAINA TERESA	1118	COMMONWEALTH AVE	
64002 0008	MENDEL JUDITH R TR	9	CUMMINGS RD	
64003 0056	BLIID JARL	10	CUMMINGS RD	
64003 0054	MCCARRICK MATTHEW E & LOUISE M	10	CUMMINGS RD	
64003 0053	REN JOANNE	14	CUMMINGS RD	
64002 0009	TUBMAN KATHLEEN A & DAVID P	15	CUMMINGS RD	
64002 0010	KIRBY GEORGE & LORI M	19	CUMMINGS RD	
64002 0011	DALNES JEREMY B & ANNA SORRINA	23	CUMMINGS RD	
64003 0050	MIZRAHI-ARNAUD ALAIN A & ARIELLE	24	CUMMINGS RD	
64003 0049A	BLACKBURN JASON	26	CUMMINGS RD	
64002 0012	KUTIN SELENA C	27	CUMMINGS RD	
64003 0049	MAH SOO LING	28	CUMMINGS RD	
64003 0048	TARBOX JEFFREY J	30	CUMMINGS RD	
64002 0013	JIANG SHUYI	33	CUMMINGS RD	
64003 0046	CUI SHUAIYING	34	CUMMINGS RD	
64003 0047A	SHAMARDI SAM S	36-40	CUMMINGS RD	40
64003 0047	MARIANI ANNAMARIA	36-40	CUMMINGS RD	36
64002 0014	SPETER TOVA & SPERBER PETER N	37	CUMMINGS RD	
64003 0045	LOZOVSKY ELENA TR	38	CUMMINGS RD	
64002 0015	LEWIS PAUL & WENDY P	41	CUMMINGS RD	
64003 0044	COFFMAN L C & K B TRS	46	CUMMINGS RD	
64002 0016	COTE LEON A	51	CUMMINGS RD	
64003 0043	TREPANIER RALPH D	52	CUMMINGS RD	
64003 0042	MCNEIL JOHN T TR	54	CUMMINGS RD	
64002 0017	BHALLA TARUN	57	CUMMINGS RD	
64002 0017A	RECHT CHRISTOPHER & JASMINA	59	CUMMINGS RD	
64003 0041A	WILENSKY DAVID	62	CUMMINGS RD	
64002 0018	OBRIEN ELIZABETH ANN L/E	63	CUMMINGS RD	
64003 0041	DUNNING EILEEN	66	CUMMINGS RD	
64003 0037	WYLEN ELI M	69	CUMMINGS RD	
64003 0040	ARONE BROS LLC	74-76	CUMMINGS RD	
64003 0038	GAUTHIER KEVIN M & KASHA L	79	CUMMINGS RD	
64003 0039	FLAHERTY JOSEPH E	85	CUMMINGS RD	
64003 0055	MCCARRICK MATTHEW E & LOUISE M		CUMMINGS RD OFF	
64003 0052	BELCOURT DAVID R	6	DENNS PL	
64003 0051A	TIAN WANG-NI	8	DENNS PL	
64002 0003	SALUSTRO KEITH W		HOMER ST	
64003 0004	NSTAR ELECTRIC CO	374	HOMER ST	
64003 0003	RAYNES BENJAMIN & HOLLY	390	HOMER ST	
64003 0002	KADISH JONATHAN & SARAH	394	HOMER ST	
64003 0001	MASSTASTIC LLC	400	HOMER ST	
64002 0007	PRIMAK ANATOLY	404	HOMER ST	
64002 0006	WOLFE LEONARD W	410	HOMER ST	

SBL	Owner	Number	Street	Unit
64002 0005	WOOLVERTON THERESA M	418	HOMER ST	
64002 0004	SALUSTRO KEITH W	424	HOMER ST	
64002 0002	LIFSHITS MAXIM	426	HOMER ST	
64003 0037A	WYLEN ELI M		NORTH ST CTR	
64002 0001	YANG MIN	8	NORTH ST CTR	
64003 0026	BASTEPE MURAT	15	NORTH ST CTR	
64002 0029	OROURKE MARYELLEN & EVE E	18	NORTH ST CTR	
64003 0027	BANKS JESSE M & JOAN T	19	NORTH ST CTR	
64002 0028	O'ROURKE FRANCES	22	NORTH ST CTR	
64003 0027A	MICHAELY BOAZ & YAEL	25	NORTH ST CTR	
64002 0027	PANICA JOHN F III	26	NORTH ST CTR	
64003 0028	MANNARINO ALAN J & MARCHAND JOAN L	29	NORTH ST CTR	
64002 0026	EFSTRATOUDAKIS STEFANOS TR	34	NORTH ST CTR	
64003 0029	ARDUINO GILBERT D & DOROTHY L TRS	37	NORTH ST CTR	
64002 0025	KELLY JAMES M & KATHRYN KEHOE	40	NORTH ST CTR	
64003 0030	GRODY STEPHEN D	41	NORTH ST CTR	
64002 0024	AURIEMMA DANIELLE V	42-44	NORTH ST CTR	42
64002 0024A	FRIRIEE STEPHEN R & CAITLIN	42-44	NORTH ST CTR	44
64002 0023	THONGTHIPAYA WATIN	46	NORTH ST CTR	
64002 0022	GIANDOMENICO LAURIE TR	48	NORTH ST CTR	
64003 0031	HILL DOUGLAS	51	NORTH ST CTR	
64003 0032	YOLEN JEFFREY P	57	NORTH ST CTR	
64002 0021	PORTO RICHARD P	58	NORTH ST CTR	
64003 0033	BRODERICK KURT	65	NORTH ST CTR	
64002 0020	BRANDON JONATHAN	66	NORTH ST CTR	
64003 0034	MCGRATH JAMES	69	NORTH ST CTR	
64003 0035	ONGARO THEODORE D	73	NORTH ST CTR	
64003 0036	RODGERS WILLIAM R	77	NORTH ST CTR	
64003 0037B	BERNSTEIN MARK E	83	NORTH ST CTR	
64002 0019	LEGGETT THOMAS	84	NORTH ST CTR	
64002 0018A	MAGUIRE ROBERT E & JANET R	92	NORTH ST CTR	
64002 0027A	PANICA JOHN F III		NORTH ST REAR CTR	



<p>GRANT OF LOCATION PERMIT PLAN PROPOSED OPENING TO INSTALL 4-INCH GAS MAIN 9-85 CUMMINGS RD & 15-92 NORTH ST NEWTON, MA.</p>	<p>CAD FILE NAME 060641-1029.dwg</p> <p>SEQUENCE No. C-102</p>	<p>nationalgrid</p>	<p>Drawn: MAR Date: 10/09/2020 Checked: JEO Design Engr.: ARS</p> <p>Scale: 1" = 40' Design Suppl.: JEO</p>	<p>PROJECT SPECIFICS</p> <p>SIZE: 4" LENGTH: 2,505' MATERIAL: PLASTIC PRESSURE: 22# WORK ORDER NO.: 118346</p>	<p>NOTE: THE LOCATION OF SURFACE AND UNDERGROUND OBJECTS SHOWN ARE NOT WARRANTED TO BE CORRECT CALL 811 BEFORE YOU DIG UTILITIES AND STREET LINES OBTAINED FROM AVAILABLE DATA SOURCES NO FIELD VERIFICATION PERFORMED</p>	<p>NEW GAS ELECTRIC GAS STORM DRAIN SANITARY SEWER TELEPHONE CABLE TV MABLE TV EDGE OF PAVEMENT CURB RIGHT OF WAY LINE</p>
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10/9/2020 8:15:14 AM Plotfile: 10/9/2020 8:16:27 AM User: R202044_Mahmoud_Latibehy_6756



<p>NEW GAS ELECTRIC GAS STORM DRAIN SANITARY SEWER TELEPHONE CABLE TV MABLE TV EDGE OF PAVEMENT CURB RIGHT OF WAY LINE</p>	<p>NOTE: THE LOCATION OF SURFACE AND UNDERGROUND OBJECTS SHOWN ARE NOT WARRANTED TO BE CORRECT CALL 811 BEFORE YOU DIG UTILITIES AND STREET LINES OBTAINED FROM AVAILABLE DATA SOURCES NO FIELD VERIFICATION PERFORMED</p>	<p>PROJECT SPECIFICS SIZE: 4" LENGTH: 2,505' MATERIAL: PLASTIC PRESSURE: 22# WORK ORDER NO.: 1118346</p>	<p>nationalgrid</p> <p>Drawn: MAR Date: 10/09/2020 Scale: 1" = 40' Check: JEO Design Engr.: ARS Design Supp.: JEO</p>	<p>GRANT OF LOCATION PERMIT PLAN PROPOSED OPENING TO INSTALL 4-INCH GAS MAIN 9-85 CUMMINGS RD & 15-92 NORTH STREET NEWTON, MA.</p>	<p>CAD FILE NAME: 060641-1029.dwg SEQUENCE No. C-103 DRAWING NUMBER</p>
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**CITY OF NEWTON
MASSACHUSETTS**

RECEIVED

2020 SEP 29 PM 5:06

CITY CLERK
NEWTON, MA. 02459

To the Petitioner:

PETITION for GRANT OF LOCATION

City of Newton Ordinance Section 23-52 requires that each petition for grant of location be submitted to the Board of Aldermen before it is sent to the Public Works Department for a preliminary review. The comments of the Public Works Commissioner will be part of the record submitted to the Board of Aldermen. Upon filing with the Board of Aldermen, the petition will be scheduled for a public hearing before the Public Facilities Committee of the Board of Aldermen. **The petitioner is responsible for insuring that the petition is complete and all required materials are in order for review.** Attached please find the City Engineer's Standard Requirements for Plans and the Department of Public Works Permit Processing brochure.

Grant of Location Process:

1. Applicant submits completed Petition Form and required materials to the Board of Aldermen
2. Public Works Department conducts preliminary review and gives written comments to the applicant
3. Engineering Division files Petition Form with comments with the Clerk of the Board of Aldermen
4. Board of Aldermen schedules petition for a public hearing before the Public Facilities Committee of the Board of Aldermen
5. Public Facilities Committee recommendations are forwarded to the Board of Aldermen for a final decision

Questions may be directed to:

Lou Taverna, City Engineer, 617-796-1020

Cassidy Flynn, Clerk of the Public Facilities Committee 617-796-1213

I. IDENTIFICATION (Please Type or Print Clearly)

Company Name NSTAR ELECTRIC DBA EVERSOURCE ENGERGY

Address 200 Calvary Street Waltham, MA 02453

Phone Number 617-776-7300 Fax Number 781-314-5165

Contact Person Richard M. Schifone Title Supervisor Rights and Permits

Signature Richard M. Schifone Date 9-29-20

If a telecommunications company, indicate how certified by the Department of Telecommunications and Energy:

II. DESCRIPTION OF PROJECT: to be completed by petitioner

A. Write here or attach a description of the project including, location, proposed time frame for completion, type of materials to be used, benefit provided to the City, project mitigation plan as applicable, street reconstruction plan including timetable for completion.

Eversource to install 269 feet of conduit in Old England Road., Newton (Chestnut Hill) W.O. #2387817

B. Include or attach a sketch to provide a visual description of the project. If plans are attached, provide:
 Title of Plan Old England Road., Newton (Chestnut Hill) Date of plan 9-15-20

III. PUBLIC WORKS DEPARTMENT REVIEW

Date received by Public Works Department Sept. 29, 2020

Check One:

Minor Project

Major Project

Lateral

(Refer to City Engineer Standard Requirements for Plans for definition of minor and major project)

Plans Submitted:

Certified Plot Plan

Stamped Plans

DATE AND COMMENTS:

RECOMMENDATIONS:

<p>In concert with the by right house construction the owner is requesting Eversource Electric to eliminate a jointly owned pole #326/6 and to remove the overhead wires by bury them in underground in conduit between poles 329/5 that is to be relocated with a new pole 15' easterly from its current location, and pole 329/7 that is to be removed and relocated with a new pole 25' westerly from its existing position.</p>	<p>Restoration of the trench shall be in accordance to the Street Opening Permit. Concentrator of record shall obtain a Street Opening, Trench and Sidewalk Crossing Permits, with appropriate Bonds, Insurance and Dig Safe. <i>John Daghljan, Associate City Engineer</i> 10-1-'20</p>
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V. RECOMMENDATION TO PUBLIC FACILITIES COMMITTEE:

Shawna Sullivan
 Commissioner, Public Works

Digitally signed by Shawna Sullivan
 Date: 2020.10.05 10:46:10 -0400

 Date



200 Calvary Street
Waltham, Ma 02453

September 29, 2020

City Council
City of Newton
1000 Commonwealth Avenue
Newton, MA 02459

RE: Old England Road
Newton, MA
W/O #2387817

Dear Members of the Council:

The enclosed petition and plan are being presented by the NSTAR ELECTRIC COMPANY dba EVERSOURCE ENERGY for the purpose of obtaining a Grant of Location to install approximately 269± feet of conduit in Old England Road.

This work is necessary to provide electric underground service to 45 Old England Road.

If you have any further questions, contact Maureen Carroll at (781) 314-5053. Your prompt attention to this matter would be greatly appreciated.

Very truly yours,

Richard M. Schifone

Richard M. Schifone
Right and Permits, Supervisor

RMS/jc
Attachments

ORDER FOR LOCATION FOR CONDUITS AND MANHOLES

413-20

City of Newton Massachusetts, _____, 2020

In City Council

WHEREAS, **NSTAR ELECTRIC COMPANY dba EVERSOURCE ENERGY** has petitioned for permission to construct a line for the transmission of electricity for lighting, heating, or power under the public way or ways of the City hereinafter specified, and notice has been given and a hearing held on said petition as provided by law.

It is ORDERED that **NSTAR ELECTRIC COMPANY dba EVERSOURCE ENERGY** be and hereby is granted permission to construct, and a location for, such a line of conduits and manholes with the necessary wires and cables therein under the following public way or ways of said City:

Old England Road -Easterly from new pole #329/7, approximately 620 feet west Woodman Road, a distance of about 269 ± feet of conduit

All construction work under this Order shall be in accordance with the following conditions:

1. Conduits and manholes shall be located as shown on plan made by **T. Thibault** dated **September 15, 2020**
2. Said Company shall comply with the requirements of existing ordinances and such as may hereafter be adopted governing the construction and maintenance of conduits and manholes.
3. All work shall be done to satisfaction of the City Council or such officer or officers as it may appoint to supervise the work.

A True Record. Attest: _____
City Clerk

Approved _____ 2020

Mayor

CERTIFICATE

I hereby certify that the foregoing Order was adopted after due notice and public hearing as prescribed by Section 22 of Chapter 166 of the General Laws (Ter. Ed.) and any additions thereto or amendments thereof, to wit:--after written notice of the time and place of the hearing mailed at least seven days prior to the date of the hearing by the City Clerk to all owners of real estate abutting upon that part of the way or ways upon, along or across which the line is to be constructed under said Order, as determined by the last preceding assessment for taxation and a public hearing held on the ___ day of _____ 2020, at City Council in the said City

City Clerk

CERTIFICATE

I hereby certify that the foregoing are true copies of the Order of the City Council of the City of NEWTON Massachusetts duly adopted on the _____ day of _____, 2020 and recorded with the records of location Orders of said City. Book ___ Page ___ and of the certificate of notice of hearing thereon required by Section 22 of Chapter 166 of the General Laws (Ter. Ed.), and any additions thereto or amendments thereof, as the same appear of record.

Attest: _____
Clerk of City of NEWTON, Massachusetts

**PETITION OF NSTAR ELECTRIC COMPANY dba EVERSOURCE ENERGY FOR
LOCATION FOR CONDUITS AND MANHOLES**

To the City Council of the City of Newton Massachusetts

Respectfully represents **NSTAR ELECTRIC COMPANY dba EVERSOURCE ENERGY** a company incorporated for the transmission of electricity for lighting, heating or power, that it desires to construct a line for such transmission under the public way or ways hereinafter specified.

WHEREFORE, your petitioner prays that, after due notice and hearing as provided by law, the Council may by Order grant to your petitioner permission to construct, and a location for, such a line of conduits and manholes with the necessary wires and cables therein, said conduits and manholes to be located substantially as shown on the plan made by **T. Thibault** dated **September 15, 2020** and filed herewith, under the following public way or ways of said City.

**Old England Road -Easterly from new pole #329/7, approximately 620 feet west of
Woodman Road, a distance of about 269 ± feet of conduit**

W/O #2387817

NSTAR ELECTRIC COMPANY
dba EVERSOURCE ENERGY

By: Richard M. Schifone

Richard M. Schifone
Rights and Permits, Supervisor

Dated this _____ day of _____, 2020

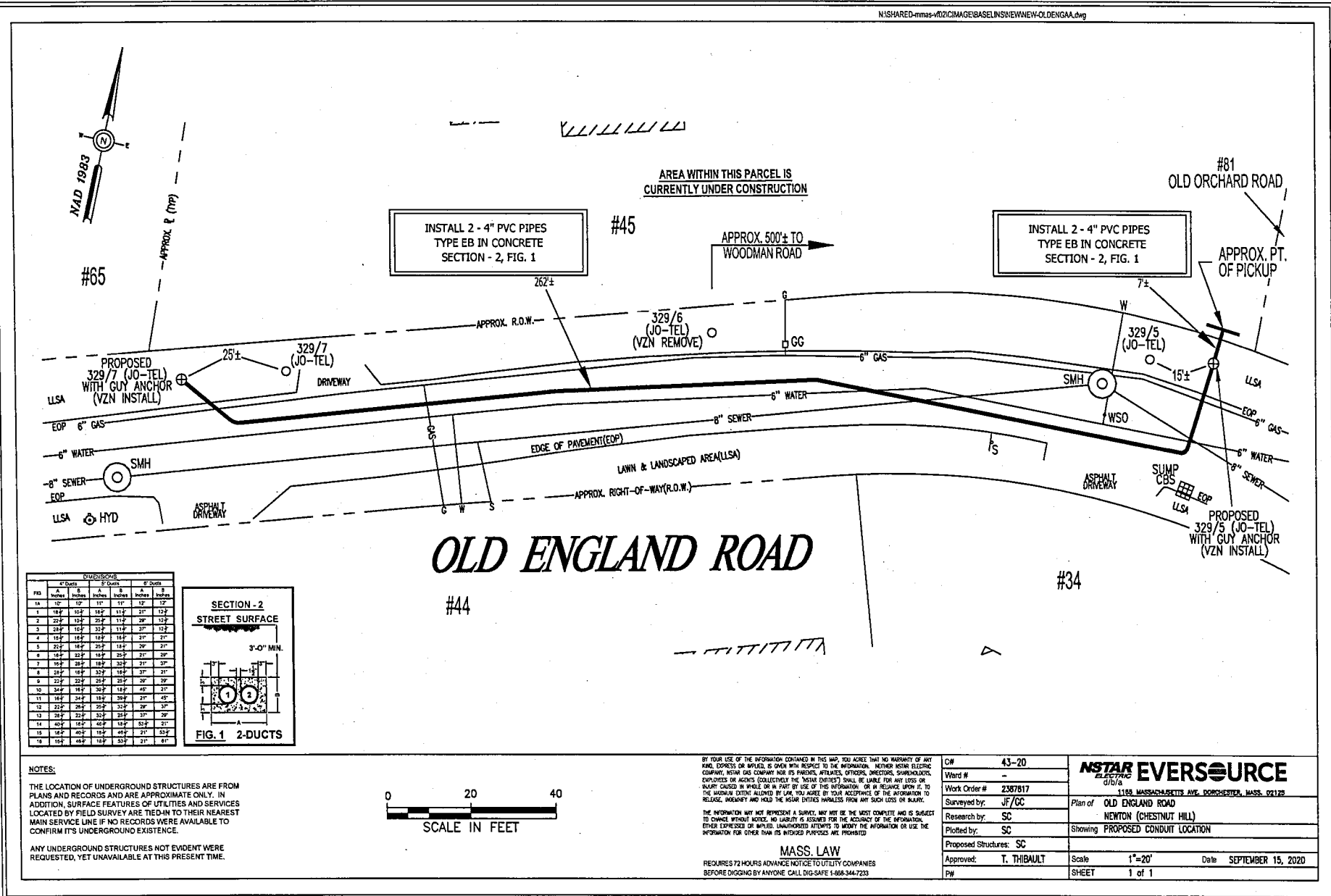
City of Newton, Massachusetts

Received and filed _____, 2020

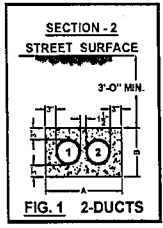
Final Label Report

SBL	Owner	Number	Street	Unit
63018 0005A	NITZE PAUL	10	OLD ENGLAND RD	
63016 0032	DONELAN MATTHIAS B & JANET	17	OLD ENGLAND RD	
63016 0033	WANG JIPING	25	OLD ENGLAND RD	
63018 0005	TRASE ELIZABETH W	34	OLD ENGLAND RD	
63018 0001	SULLIVAN LEXI LEE	44	OLD ENGLAND RD	
63016 0026A	CUNNINGHAM JOHN T	45	OLD ENGLAND RD	
63016 0026B	FIORI GIAN LUCA & ANGELA P	65	OLD ENGLAND RD	
63018 0006	PORTER JOHN H	80	OLD ENGLAND RD	
63016 0026	OLD ORCHARD REALTY TRUST	67	OLD ORCHARD RD	
63016 0027	STEPHENSON PAMELA B	81	OLD ORCHARD RD	

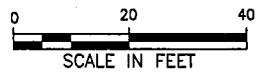
N:\SHARED-mmas-vf02\CIMAGE\BASELINS\NEWNEW-OLDENGA.dwg



Peg	Elevations				E. Date
	A	B	C	D	
1	18.4	10.8	11.1	21.1	12.8
2	22.8	12.5	22.8	11.2	20.1
3	22.8	12.5	22.8	11.2	20.1
4	15.8	14.8	14.8	14.1	21.1
5	22.2	14.4	22.2	11.4	20.1
6	15.8	14.8	14.8	14.1	21.1
7	15.8	14.8	14.8	14.1	21.1
8	22.2	14.4	22.2	11.4	20.1
9	22.2	14.4	22.2	11.4	20.1
10	34.2	18.5	34.2	11.8	21.1
11	18.4	12.4	18.4	12.8	21.1
12	22.2	20.8	22.2	20.1	31.1
13	22.2	20.8	22.2	20.1	31.1
14	40.2	18.2	40.2	11.8	21.1
15	18.4	12.4	18.4	12.8	21.1
16	15.8	14.8	15.8	14.1	21.1



NOTES:
 THE LOCATION OF UNDERGROUND STRUCTURES ARE FROM PLANS AND RECORDS AND ARE APPROXIMATE ONLY. IN ADDITION, SURFACE FEATURES OF UTILITIES AND SERVICES LOCATED BY FIELD SURVEY ARE TIED TO THEIR NEAREST MAIN SERVICE LINE IF NO RECORDS WERE AVAILABLE TO CONFIRM ITS UNDERGROUND EXISTENCE.
 ANY UNDERGROUND STRUCTURES NOT EVIDENT WERE REQUESTED, YET UNAVAILABLE AT THIS PRESENT TIME.



BY YOUR USE OF THE INFORMATION CONTAINED IN THIS MAP, YOU AGREE THAT NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, IS MADE WITH RESPECT TO THE INFORMATION. NEITHER NESTAR ELECTRIC COMPANY, NESTAR GAS COMPANY NOR ITS PARTIAL AFFILIATES, OFFICERS, DIRECTORS, SHAREHOLDERS, EMPLOYEES OR AGENTS (COLLECTIVELY THE "NESTAR OUTRETS") SHALL BE LIABLE FOR ANY LOSS OR INJURY CAUSED IN WHOLE OR IN PART BY USE OF THE INFORMATION, OR IN RELIANCE UPON IT, TO THE MAXIMUM EXTENT ALLOWED BY LAW, YOU AGREE BY YOUR ACCEPTANCE OF THE INFORMATION TO RELEASE, INDEMNIFY AND HOLD THE NESTAR OUTRETS HARMLESS FROM ANY SUCH LOSS OR INJURY.
 THE INFORMATION MAY NOT REPRESENT A SURVEY, MAY NOT BE THE MOST COMPLETE AND IS SUBJECT TO CHANGE WITHOUT NOTICE. NO LIABILITY IS ASSUMED FOR THE ACCURACY OF THE INFORMATION, EITHER EXPRESSED OR IMPLIED. UNAUTHORIZED ATTEMPTS TO MODIFY THE INFORMATION OR USE THE INFORMATION FOR OTHER THAN ITS INTENDED PURPOSES ARE PROHIBITED.
MASS. LAW
 REQUIRES 72 HOURS ADVANCE NOTICE TO UTILITY COMPANIES BEFORE DIGGING BY ANYONE. CALL DIG-SAFE 1-888-344-7233

CW	43-20	NESTAR EVERSOURCE ELECTRIC
Ward #	-	
Work Order #	2387817	1100 MASSACHUSETTS AVE. DORCHESTER, MASS. 02122
Surveyed by:	JF/GC	Plan of OLD ENGLAND ROAD
Research by:	SC	NEWTON (CHESTNUT HILL)
Plotted by:	SC	Showing PROPOSED CONDUIT LOCATION
Proposed Structures:	SC	
Approved:	T. THIBAUT	Scale 1"=20' Date SEPTEMBER 15, 2020
P#		SHEET 1 of 1

**CITY OF NEWTON
MASSACHUSETTS**

RECEIVED
2020 SEP 29 PM 5:03

PETITION for GRANT OF LOCATION

CITY CLERK
NEWTON, MA. 02459

To the Petitioner:

City of Newton Ordinance Section 23-52 requires that each petition for grant of location be submitted to the Board of Aldermen before it is sent to the Public Works Department for a preliminary review. The comments of the Public Works Commissioner will be part of the record submitted to the Board of Aldermen. Upon filing with the Board of Aldermen, the petition will be scheduled for a public hearing before the Public Facilities Committee of the Board of Aldermen. **The petitioner is responsible for insuring that the petition is complete and all required materials are in order for review.** Attached please find the City Engineer's Standard Requirements for Plans and the Department of Public Works Permit Processing brochure.

Grant of Location Process:

1. Applicant submits completed Petition Form and required materials to the Board of Aldermen
2. Public Works Department conducts preliminary review and gives written comments to the applicant
3. Engineering Division files Petition Form with comments with the Clerk of the Board of Aldermen
4. Board of Aldermen schedules petition for a public hearing before the Public Facilities Committee of the Board of Aldermen
5. Public Facilities Committee recommendations are forwarded to the Board of Aldermen for a final decision

Questions may be directed to:

Lou Taverna, City Engineer, 617-796-1020
Cassidy Flynn, Clerk of the Public Facilities Committee 617-796-1213

I. IDENTIFICATION (Please Type or Print Clearly)

Company Name Verizon New England Inc

Address 385 Myles Standish Blvd, Taunton, MA 02780

Phone Number 774-409-3170 Fax Number _____

Contact Person Karen Levesque Title ROW Manager

Signature *Karen Levesque* Date 9/29/2020
Person filing application

If a telecommunications company, indicate how certified by the Department of Telecommunications and Energy:

II. DESCRIPTION OF PROJECT: to be completed by petitioner

A. Write here or attach a description of the project including, location, proposed time frame for completion, type of materials to be used, benefit provided to the City, project mitigation plan as applicable, street reconstruction plan including timetable for completion.

On Old England Road place one new conduit, one four-inch (4") PVC approximately 286' westerly from existing pole, P.5 to pole, P.7. Said poles are located on the northerly side of Old England Road.

This petition is necessary to remove and relocate facilities on private property.

Estimated completion time is within 30 days of approval.

B. Include or attach a sketch to provide a visual description of the project. If plans are attached, provide:

Title of Plan 4A0J8KE - CONDUIT Date of plan 9/29/2020

III. PUBLIC WORKS DEPARTMENT REVIEW

Date received by Public Works Department Sept. 29, 2020

Check One:

Minor Project

Major Project

Lateral

(Refer to City Engineer Standard Requirements for Plans for definition of minor and major project)

Plans Submitted:

Certified Plot Plan

Stamped Plans

DATE AND COMMENTS:

RECOMMENDATIONS:

In concert with the by right house construction the owner is requesting Eversource Electric to eliminate a jointly owned pole #326/6 (not shown on the plan) and to remove the overhead wires by bury them in underground in conduit between poles 329/5 that is to be relocated with a new pole 15' easterly from its current location, and pole 329/7 that is to be removed and relocated with a new pole 25' westerly from its existing position.

Restoration of the trench shall be in accordance to the Street Opening Permit. Concentrator of record shall obtain a Street Opening, Trench and Sidewalk Crossing Permits, with appropriate Bonds, Insurance and Dig Safe.
John Daghljan, Associate City Engineer 10-1-20

V. RECOMMENDATION TO PUBLIC FACILITIES COMMITTEE:

Shawna Sullivan

Digitally signed by Shawna Sullivan
Date: 2020.10.05 10:47:38 -0400

Commissioner, Public Works

Date

Karen Levesque
Right of Way Manager

verizon[✓]

385 Myles Standish Blvd
Taunton, MA 02780

Office 774-409-3170
Mobile 774-504-1279
Karen.levesque@one.verizon.com

September 29, 2020

Newton City Council
Newton City Hall, Room 105
1000 Commonwealth Avenue
Newton, MA 02459

**RE: Petition for Verizon job #4A0J8KE
Old England Road, Newton, MA**

Dear Honorable City council:

Enclosed find the following items in support of the above-referenced project:

1. Petition;
2. Petition Plan;
3. Order;
4. Abutters.

A Public Hearing and notice to abutters is required. A Verizon representative will attend the Public Hearing. Should any questions or comments arise concerning this matter prior to the hearing, please contact me at 774-409-3170. Your assistance is greatly appreciated.

Sincerely,

Karen Levesque

Karen Levesque
Right of Way Manager

Enc

PETITION FOR CONDUIT LOCATION

To the City Council

of NEWTON, Massachusetts

VERIZON NEW ENGLAND INC. requests permission to lay and maintain underground conduits, with the wires and cables to be placed therein, under the surface of the following public way or ways:

Old England Road:

Place one new conduit, one four-inch (4") PVC approximately 286' westerly from existing pole, P.5 to pole, P.7. Said poles are located on the northerly side of Old England Road.

This petition is necessary to remove and relocate facilities on private property.

Also for permission to lay and maintain underground conduits, manholes, cables and wires in the above or intersecting public ways for the purpose of making connections with such poles and buildings as it may desire for distributing purposes.

Plan marked-VZ N.E. Inc. No. 4A0J8KE dated September 29, 2020 showing location of conduit to be constructed is filed herewith.

VERIZON NEW ENGLAND INC.

By Karen Levesque
Karen Levesque
Manager - Rights of Way

Dated this 29th day of September, 2020.

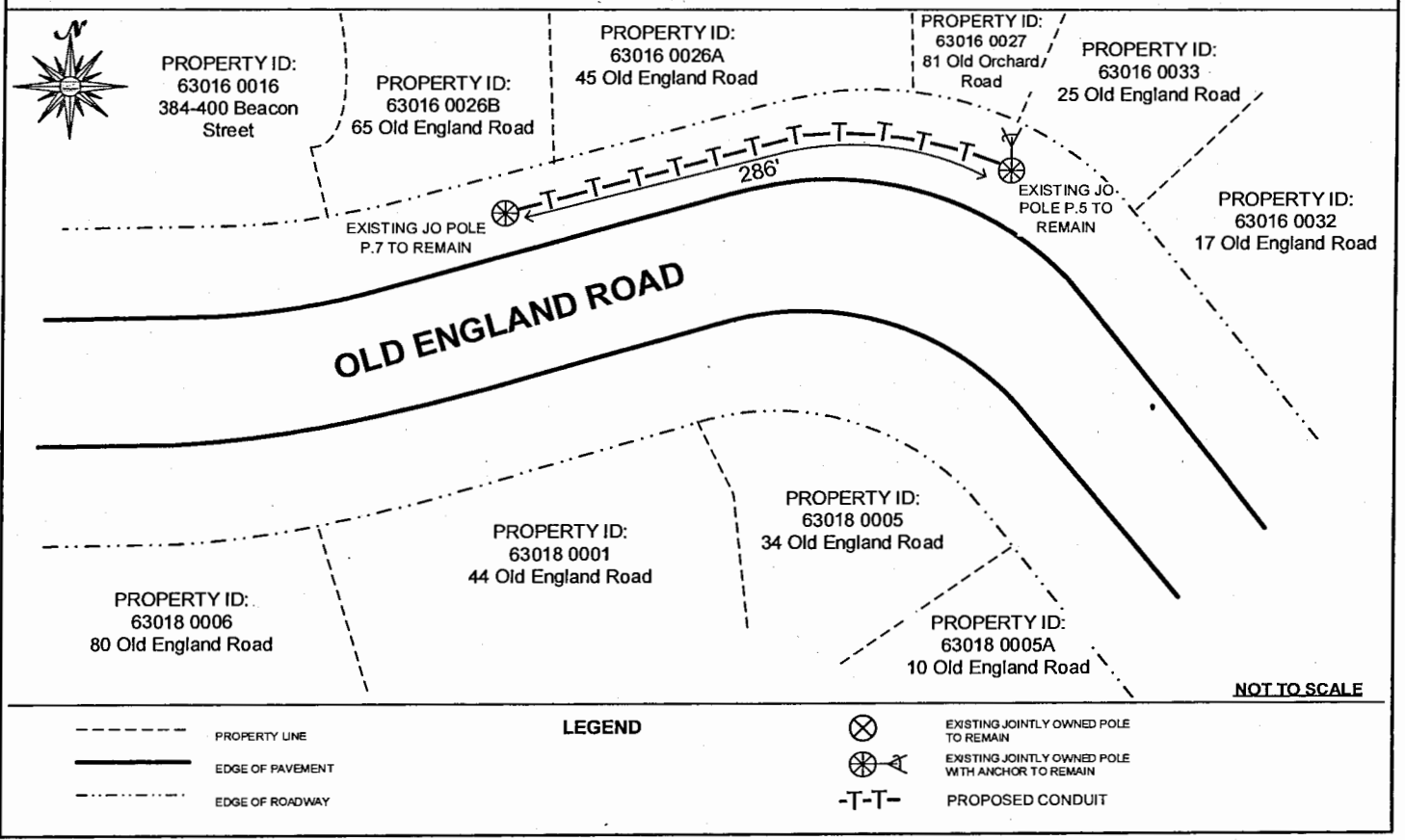


PETITION PLAN

MUNICIPALITY Newton
VERIZON NEW ENGLAND, INC

VZ. N.E. INC. NO. 4A0J8KE
DATE: September 29, 2020

SHOWING PROPOSED INSTALLATION OF CONDUIT ON OLD ENGLAND ROAD



ORDER FOR CONDUIT LOCATION

By the City Council of the City of NEWTON, Massachusetts.

Notice having been given and a public hearing held, as provided by law,
It is HEREBY ORDERED:

That permission be and hereby is granted VERIZON NEW ENGLAND INC. to lay and maintain underground conduits and manholes, with the wires and cables to be placed therein, under the surface of the following public way or ways as requested in petition of said Company dated the 29th day of September, 2020.

Old England Road:

Place one new conduit, one four-inch (4") PVC approximately 286' westerly from existing pole, P.5 to pole, P.7. Said poles are located on the northerly side of Old England Road.

This petition is necessary to remove and relocate facilities on private property.

Substantially as shown on plan marked- VZ N.E. Inc. No. 4A0J8KE dated September 29, 2020 - filed with said petition. Also, that permission be and hereby is granted said VERIZON NEW ENGLAND INC. to lay and maintain underground conduits, manholes, cables and wires in the above or intersecting public ways for the purpose of making connections with such poles and buildings as it may desire for distributing purposes.

The foregoing permission is subject to the following conditions:

1. The conduits and manholes shall be of such material and construction and all work done in such manner as to be satisfactory to such municipal officers as it may appoint to the supervision of the work, and a plan showing the location of conduits constructed shall be filed with the City when the work is completed.
2. In every underground main line conduit constructed by said Company hereunder one duct not less than three inches in diameter shall be reserved and maintained for the limited purpose of attaching one-way low voltage fire and police signaling wires owned by the municipality or governmental entity for public safety purposes only.
3. Said Company shall indemnify and save the City harmless against all damages, costs and expense whatsoever to which the City may be subjected in consequence of the acts or neglect of said Company, its agents or servants, or in any manner arising from the rights and privileges granted it by the City.
4. In addition said Company shall, before a public way is disturbed for the laying of its wire or conduits, execute its bond in a penal sum of Ten Thousand Dollars (\$10,000) (reference being had to the bond already on file with said City) conditioned for the faithful performance of its duties under this permit.
5. Said Company shall comply with the requirements of existing by-laws and such as may hereafter be adopted governing the construction and maintenance of conduits and wires, so far as the same are not inconsistent with the laws of the Commonwealth.

I hereby certify that the foregoing order was adopted at a meeting of the City Council of the City of NEWTON, Massachusetts, held on the _____ day of _____ 2020.

City Clerk

ORDER FOR CONDUIT LOCATION

We hereby certify that on _____ 2020, at _____ o'clock ____ M. at _____ a public hearing was held on the petition of the VERIZON NEW ENGLAND INC. for permission to lay and maintain underground conduits, manholes and connection, with the wires and cables to be placed therein, described in the order herewith recorded, and that we mail at least seven days before said hearing a written notice of the time and place of said hearing to each of the owners of real estate (as determined by the last preceding assessment for taxation) along the ways or parts of ways upon which the Company is permitted to construct the lines of said Company under said order. And that thereupon said order was duly adopted.

City Council of the City of NEWTON, Massachusetts

CERTIFICATE

I hereby certify that the foregoing is a true copy of location order, and certificate of hearing with notice adopted by the City Council of the City of NEWTON, Massachusetts, on the _____ day of _____ 2020, and recorded with the records of location orders of said City, Book _____ Page _____. This certified copy is made under the provisions of Chapter 166 General Laws and any additions thereto or amendments thereof.

Attest:

City Clerk

ABUTTERS LIST

PROPERTY ID: 63016 0016
384-400 Beacon Street

FOUR HUNDRED BEACON CORP
1125 Boylston Street
Chestnut Hill, MA 02467

PROPERTY ID: 63016 0026B
65 Old England Road

FIORI GIAN LUCA & ANGELA P
65 Old England Road
Chestnut Hill, MA 02467

PROPERTY ID: 63016 0026A
45 Old England Road

CUNNINGHAM JOHN T
228 Greenwood St
Evanston, IL 60201

PROPERTY ID: 63016 0027
81 Old Orchard Road

STEPHENSON PAMELA B
81 Old Orchard Road
Chestnut Hill, MA 02467

PROPERTY ID: 63016 0033
25 Old England Road

WANG JIPING
25 Old England Road
Chestnut Hill, MA 02467

PROPERTY ID: 63016 0032
17 Old England Road

DONELAN MATTHIAS B & JANET
17 Old England Road
Chestnut Hill, MA 02467

PROPERTY ID: 63018 0005A
10 Old England Road

WOOLVERTON WILLIAM H III
10 Old England Road
Chestnut Hill, MA 02467

ABUTTERS LIST

PROPERTY ID: 63018 0005
34 Old England Road

TRASE ELIZABETH W
34 Old England Road
Chestnut Hill, MA 02467

PROPERTY ID: 63018 0001
44 Old England Road

SULLIVAN LEXI LEE
44 Old England Road
Chestnut Hill, MA 02467

PROPERTY ID: 63018 0006
80 Old England Road

PORTER JOHN H
80 Old England Road
Chestnut Hill, MA 02467

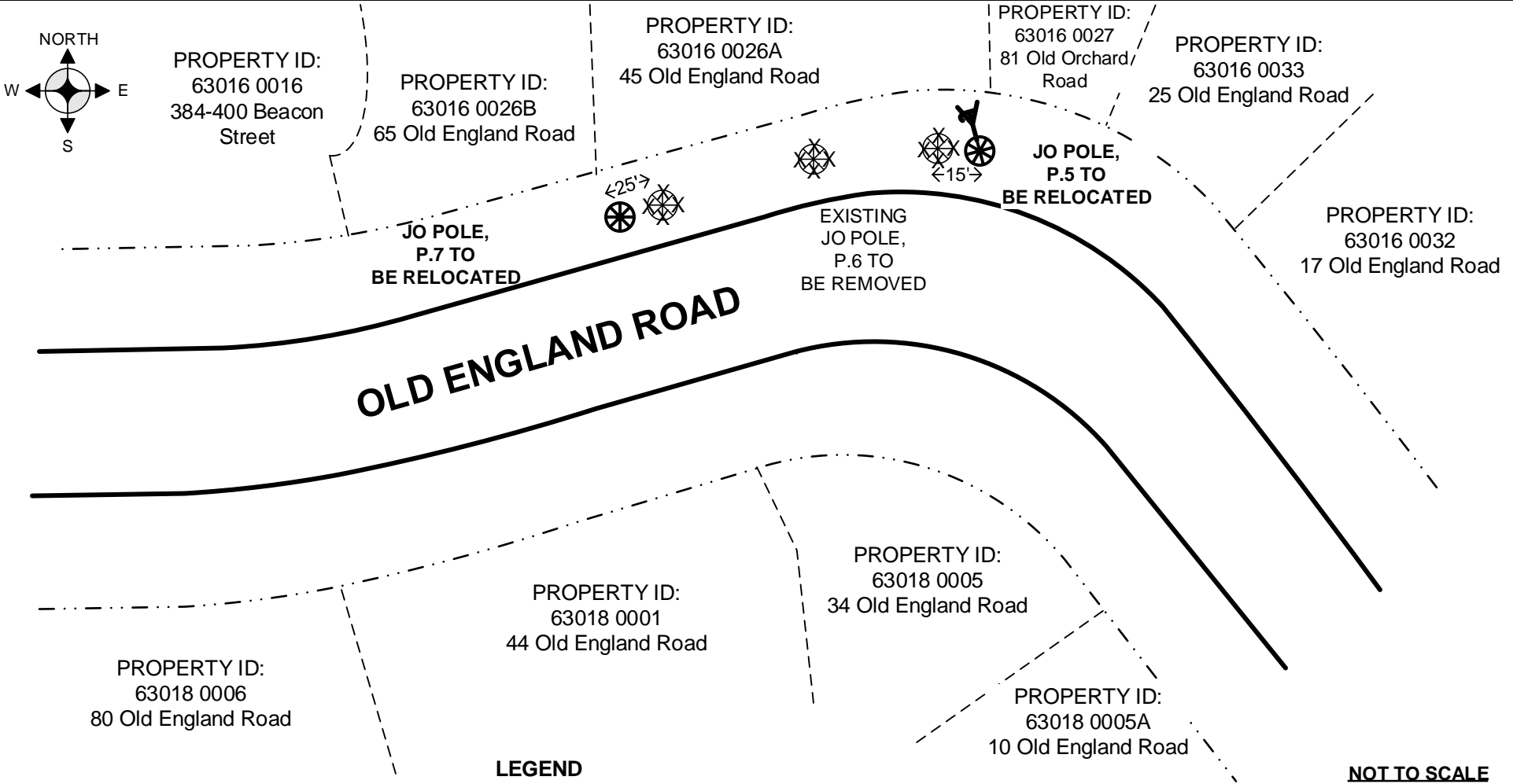


PETITION PLAN

MUNICIPALITY Newton
VERIZON NEW ENGLAND, INC AND
NSTAR ELECTRIC COMPANY D/B/A EVERSOURCE ENERGY

VZ. N.E. INC. NO. 4A0J8KE
DATE : September 29, 2020

SHOWING PROPOSED PLACEMENT OF TWO POLES AND ONE POLE REMOVAL ON OLD ENGLAND ROAD



- PROPERTY LINE
- EDGE OF PAVEMENT
- · - · - EDGE OF ROADWAY
- PROPOSED NEW JOINTLY OWNED POLE TO BE INSTALLED
- EXISTING JOINTLY OWNED POLE TO BE RELOCATED AND REMOVED
- PROPOSED NEW JOINTLY OWNED POLE WITH ANCHOR TO BE INSTALLED

**"No. 45 Old England Road
SITE DEVELOPMENT PLAN"**
LAND IN
NEWTON, MASS.

PREPARED FOR: JOHN AND DAPHNE CUNNINGHAM
228 GREENWOOD STREET
EVANSTON, IL 60201

SCALE: 1" = 20'
DATE: 08 FEBRUARY 2019

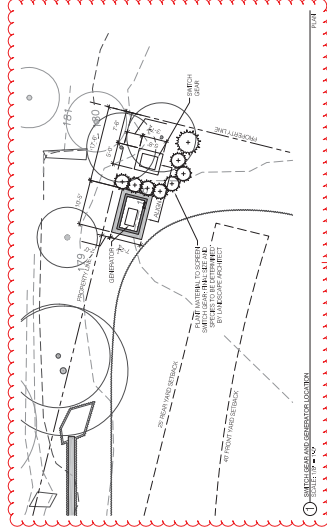
PREPARED BY: THE JILLSON COMPANY, INC.
P.O. BOX 41103
FRANKFORD, IL 60131
(781) 400-5946
WWW.JILLSONCOMPANY.COM

EXISTING HOUSE ELEVATIONS
GARAGE SLAB (DETACHED)=178.2±
TOP OF FOUNDATION=172.2±/172.8±
FIRST FLOOR THRESHOLD=180.9±

PROPOSED HOUSE ELEVATIONS
GARAGE SLAB (DETACHED)=180.3±
TOP OF FOUNDATION=175.2±/175.8±
FIRST FLOOR THRESHOLD=181.3±
HIGHEST ROOF RIDGE=210.2±

GENERAL NOTES

- THIS PLAN SHALL NOT BE USED TO REPAIR OR IMPROVE EXISTING UTILITY LINES.
- FOR ADDITIONAL PROPERTY LINE INFORMATION REFER TO THE BEED IN BOOK 6937 PAGE 309 RECORDED AT THE MIDDLESEX REGISTRY OF DEEDS.
- THIS PLAN REFERS TO THE CITY OF NEWTON PROPERTY ID 63016 0026A, MAP ID 0935W.
- ZONING CLASSIFICATION: SINGLE RESIDENCE 1A, D.D. OF 1988.
- THE PLANNING AND TOPOGRAPHIC INFORMATION SHOWN HEREON HAS BEEN COMPILED FROM FIELD SURVEY WORK PERFORMED BY EVERETT M. BROOKS CO AND THE JILLSON COMPANY.
- THE EXISTING BUILDING LOCATIONS AND ZONING INFORMATION SHOWN HEREON ARE BASED ON DATA PROVIDED BY THE EVERETT M. BROOKS COMPANY.
- ANY EXISTING UNDERGROUND UTILITY LOCATIONS SHOWN HEREON ARE BASED ON INFORMATION PROVIDED BY THE TOWN AND DIG SAFE MARKINGS AND SHALL BE CONSIDERED APPROXIMATE. FURTHERMORE, THE TOTAL EXTENT OF THE UNDERGROUND UTILITIES IS UNKNOWN.
- THE EXISTING DRAINAGE SHOWN HEREON IS BASED ON THE CITY OF NEWTON DRAINAGE ATLAS AND SHALL BE CONSIDERED APPROXIMATE.
- EXISTING UTILITY LOCATIONS SHOWN HEREON ARE BASED ON RECORD DRAWINGS AND FIELD SURVEY DATA.
- PERFORMED BETWEEN 2/9/19 AND 3/14/19, AND SHALL BE CONSIDERED APPROXIMATE.
- THE PROJECT SITE IS LOCATED IN "ZONE X - OTHER AREAS" AS SHOWN ON FIRM FLOOD MAP NUMBER 2501700558C, EFFECTIVE ON 06/04/2010.
- FOR ADDITIONAL INFORMATION REGARDING THE PROPOSED LANDSCAPE DESIGN REFER TO THE LATEST PLANS PREPARED BY GREGORY LOMBARDI DESIGN.
- DESIGN INFORMATION REGARDING THE PROPOSED HOUSE, REFER TO THE LATEST PLANS PREPARED BY LOA ARCHITECT AND INTERIOR.
- THE UTILITY TRENCHES AND ROADWAY WILL HAVE TO BE MILLED 26-FEET ON BOTH SIDES OF THE UTILITY TRENCHES (CORNBINE TO CORNBINE) AND PAVED WITH 1 1/2" OF TYPE 1 BITUMINOUS CONCRETE.
- ALL EXISTING UTILITIES TO BE REMOVED AND/OR CUT AND CAPPED PER CITY OF NEWTON REQUIREMENTS.
- THE PROPOSED DRIVEWAY WIDTH IS 11' AS REQUESTED BY THE CITY OF NEWTON HISTORICAL COMMISSION.
- ALL TREES SHOWN HEREON SHALL REMAIN BE PROTECTED DURING CONSTRUCTION. SOME TREES WERE REMOVED IN 2018 UNDER THE AUTHORITY OF THE CITY OF NEWTON TREE WARDEN, AS APPROVED WITH RECORD OF ACTION ON APPLICATION FOR TREE PERMIT WITH DATE OF ACTION 8/22/2018.
- THE EXISTING CITY DRAIN LINE SHALL BE SCOPED TO DETERMINE ELEVATIONS AND INTEGRITY OF EXISTING INFRASTRUCTURE BEFORE AND AFTER CONSTRUCTION OF PROPOSED DRAINAGE INFRASTRUCTURE.
- THIS PLAN IS INTENDED FOR PERMITTING PURPOSES ONLY.

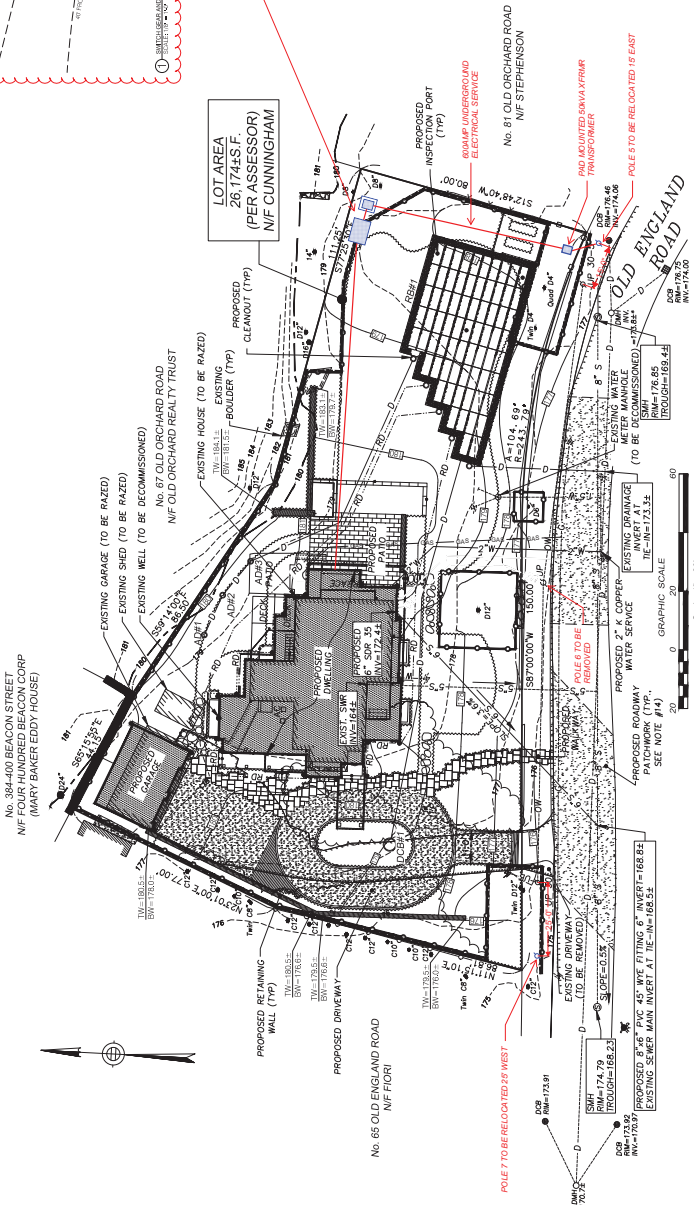


LEGEND

181.0	PROPOSED SPOT ELEVATION
---	PROPOSED CONTOUR
181	EXISTING 1" CONTOUR
6" S	PROPOSED 6" SDR 35 PVC SEWER PIPE
8" S	EXISTING 8" CLAY SEWER PIPE
5" S	EXISTING 5" CLAY SEWER PIPE
5" S	EXISTING 5" CLAY SEWER MAN
1.5" W	EXISTING 1.5" FERROUS WATER SERVICE
WG	EXISTING WATER GATE
G	EXISTING GAS SERVICE
D	PROPOSED 6" PVC DRAINAGE PIPE
AD	PROPOSED 6" PVC ROOF DRAIN PIPE
RO	PROPOSED ROOF DRAIN DOWNSPOUT
RB	PROPOSED RECHARGE BASIN
OCDB	PROPOSED 18" AREA DRAIN
IE	EXISTING DRAINAGE CATCHBASIN
LE	PROPOSED UNDERGROUND ELECTRIC
OW	EXISTING OVERHEAD WIRES
UP	EXISTING UTILITY POLE
LP	EXISTING LP GAS UNIT
AC	EXISTING HVAC UNIT
DIG	PROPOSED HVAC UNIT (PIPE & DIAMETER)
---	EXISTING SHOULDER (PIPE & DIAMETER)
---	PROPOSED EDGE OF LAWN
---	EXISTING POST & RAIL FENCE
---	EXISTING CHAINLINK FENCE
---	EXISTING WIRE FENCE
---	EXISTING FIELD STONE WALL
---	PROPOSED LIMIT OF WORK
---	PROPOSED TREE PROTECTION FENCE

REVISIONS

1	1.3.19	UPDATED PER NEWTON ENGINEERING REVIEW
---	--------	---------------------------------------



REVISIONS
1 1.3.19 UPDATED PER NEWTON ENGINEERING REVIEW



TO:	Robert Hajjar, P.E. Senior Structural Engineer Hardesty and Hanover	DATE:	September 4, 2020
FROM:	Matthew Jasmin, P.E., ENV SP Haralampos Stathopoulos P.E., PTOE	MASSDOT PROJECT NO.:	110980
SUBJECT:	Intersection Alternatives Analysis - Route 30 over Charles River		

Introduction

The purpose of this memorandum is to address the request of the Massachusetts Department of Transportation (MassDOT) to study additional intersection alternatives for the Route 30 at Auburn Street intersection. This memorandum also explores additional modifications to signal phasing, timing, and lane use at the Route 30 intersections with I-95 NB Ramps and River Road/I-95 SB Ramps.

During the project development phase, *Howard Stein Hudson (HSH)*, in coordination with MassDOT reviewers, completed an Alternatives Analysis technical memorandum dated February 2019, which presented the analysis of several alternatives for the Route 30/I-95 NB Ramps intersection, and of one alternative for the Route 30/Auburn Street intersection. This memo will focus on the study of additional alternatives for the Route 30/Auburn Street intersection, while also presenting minor modifications to the other two study area intersections, as was requested by MassDOT in the 25% submission plans.

Background

In a February 2019 memorandum to MassDOT, seven alternatives were studied for the Route 30/I-95 NB Ramps intersection. These alternatives studied various combinations of potential solutions for both the three intersections and the corridor. After draft recommendations from HSH, MassDOT selected an alternative to move forward into the design phase. The chosen alternative provided the following:

- Adjust the phasing at the Route 30/River Road/I-95 SB Ramps intersection to provide a lead/lag left-turn phasing, and retime the signal, as necessary to allow for coordination;
- Reconstruct the Route 30/I-95 NB Ramps intersection in the following manner:



- Remove the Route 30 EB right turn, which provided Route 30 EB vehicles access to I-95 NB;
- Provide two exclusive left-turn lanes from Route 30 EB to the I-95 NB on-ramp;
- Widen the I-95 NB ramp receiving lane to two lanes to allow for the two lanes of Route 30 EB left-turning traffic, and merge the two lanes into one approximately 250 feet north of the intersection;
- Provide a Route 30 WB exclusive right-turn slip lane under signal control;
- Modify the I-95 NB Off-Ramp approach to provide two exclusive left-turn lanes, and an exclusive right-turn slip lane (entering its own lane), separated from the other lanes by a raised median; and
- Provide a crossing for pedestrians and bicycles across the I-95 NB On-Ramp leg of the intersection; and
- Reconstruct the Route 30/Auburn Street intersection to provide the following:
 - Reduce the grass medians along Route 30, move the Route 30 WB roadway to the south, and use the space created in the north to construct a shared-use path and a grass buffer;
 - Modify the Route 30 WB approach to the intersection to provide one through lane and one exclusive U-turn/left-turn lane;
 - Reduce the turning radius for the Route 30 EB right-turn movement to Auburn Street SB;
 - Provide crosswalks across Route 30, on either side of the intersection, and Auburn Street; and
 - Provide all new signal equipment for the entire intersection.

This alternative, which can be called the Modified Continuous Green T-Intersection Alternative – as it provides a continuous green light for the Route 30 WB through movement at the Auburn Street intersection, except for when pedestrians or cyclists cross that movement – was progressed to the 25% design stage and was analyzed and presented in the Functional Design Report (FDR) and the 25% Design Plans. At the conclusion of their review of the plans and the report, MassDOT requested that other intersection alternatives for the Route 30/Auburn Street intersection be studied.

Reviewers requested the design team evaluate if additional configurations such as a traditional T-Intersection, roundabout, or the use of a displaced left turn could provide substantial improvements to operations and/or safety while allowing for bicycle and pedestrian facilities.

Concern was expressed that the proposed condition at the Auburn Street intersection is similar to the existing conditions, where the proposed does not remove the merge that exists between the Route 30 WB through movement and the Auburn Street NB left turn movement to the west of the



intersection. Nor does this geometry and control improve the access and egress from the Newton Historic Boathouse, to the northwest of the intersection.

To evaluate the comparison of alternatives, the Build (2038) Conditions traffic volumes will be used to conduct the traffic analysis of the Route 30/Auburn Street intersection that will be presented in this memo.

Furthermore, it should be noted that the standards used for design and analysis conform to the *Manual on Uniform Traffic Control Devices*, 2009 Edition (MUTCD 2009) with Massachusetts Amendments; the *Highway Capacity Manual* (HCM 6); the American Association of State Highway and Transportation Officials' (AASHTO's) *A Policy on Geometric Design of Highways and Streets*, 5th Edition; MassDOT's *Project Development and Design Guide* (2006); and the Federal Highway Administration's (FHWA's) *Separated Bike Lane Planning and Design Guide* (2015). Finally, the traffic analysis software used to conduct the analysis presented in this memorandum were Synchro 11 and SIDRA Intersection 8.0.

Build (2038) Conditions Discussion

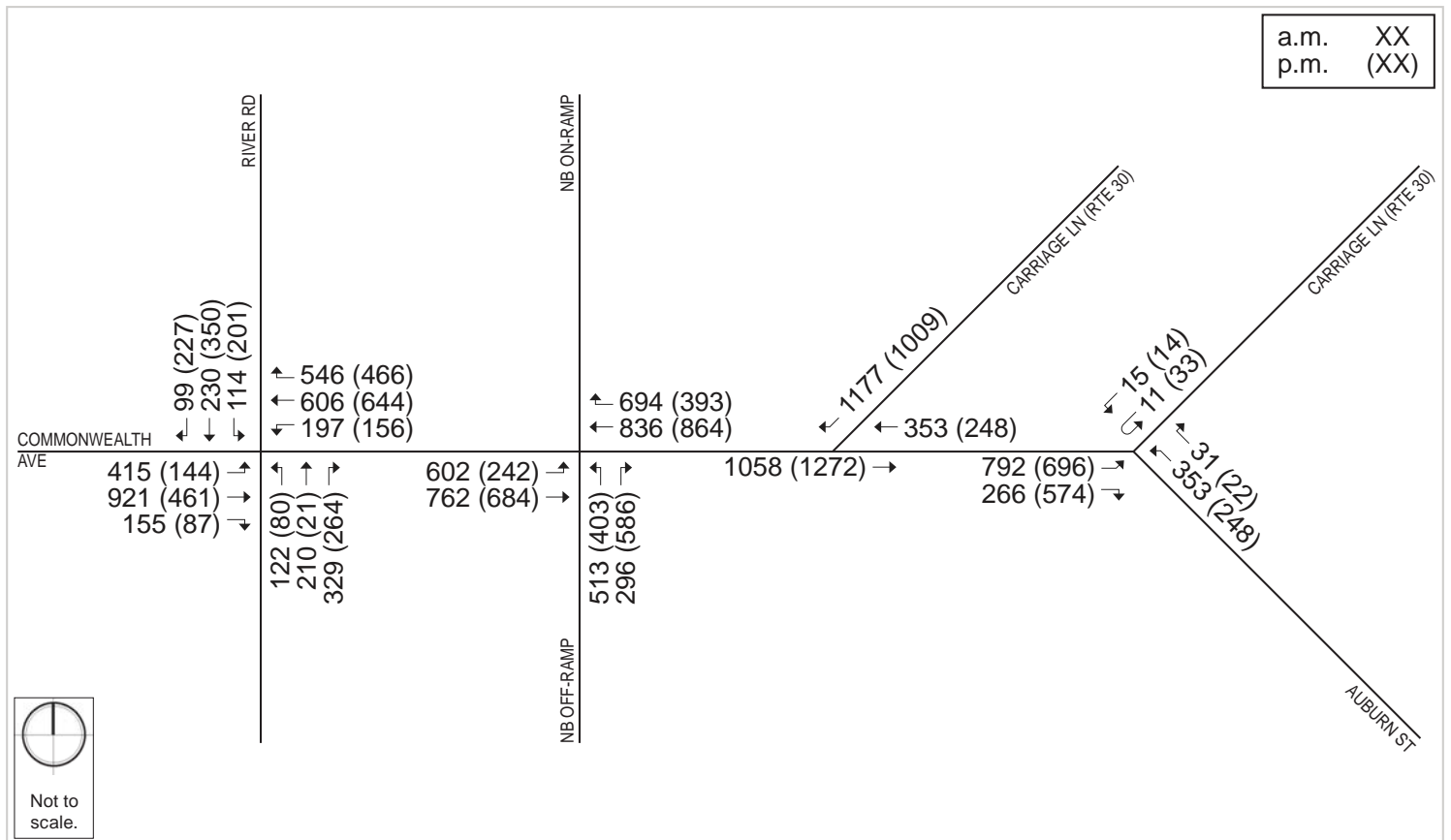
This section will provide information on the traffic volumes that will be used for the alternatives analysis, describe each alternative and also present them graphically, present and discuss analysis results of each alternative, and conclude with a recommendation for the preferred alternative.

Build (2038) Conditions Traffic Volumes

As was presented in the FDR (October 2019), the manual Turning Movement Counts (TMCs) that were recorded in 2018 were projected to 2038, by applying a 0.5% background growth rate per year, over 20 years. In addition, the generated volume of two development projects was also added to the TMCs; the Station of Riverside Redevelopment project, and The Weston residential development (see FDR October 2019). The Build (2038) Conditions traffic volumes are presented in **Figure 1**.



Figure 1. *Build (2038) Conditions Traffic Volumes, Weekday a.m. and p.m. Peak Hours*





Build (2038) Conditions – Route 30 at Auburn Street Intersection Alternatives

At the completion of the 25% submission review, MassDOT requested that additional alternatives be studied for the Route 30/Auburn Street intersection, before approving the intersection design shown in both the FDR and the plans. MassDOT also requested two changes at the Route 30 intersections with River Road/I-95 SB Ramps and I-95 NB Ramps:

- 1) Revise the phasing at the Route 30/River Road/I-95 SB Ramps intersection to provide a lead/lag left-turn phasing and remove an existing conflict issue between the Route 30 EB and WB left turns; and
- 2) Adjust the proposed geometry and phasing of the Route 30/I-95 NB Ramps intersection to provide for a NB left-turn/through movement on the middle lane of the I-95 NB Ramps approach.

These two changes are included in all the Route 30/Auburn Street intersection alternatives that are described in the sections that follow. Their analyses will be summarized in two tables to provide a side by side comparison of the operations and assist with their comparison against each other and the current choice of preferred alternative.

MODIFIED CONTINUOUS GREEN T-INTERSECTION ALTERNATIVE – ADJUSTED

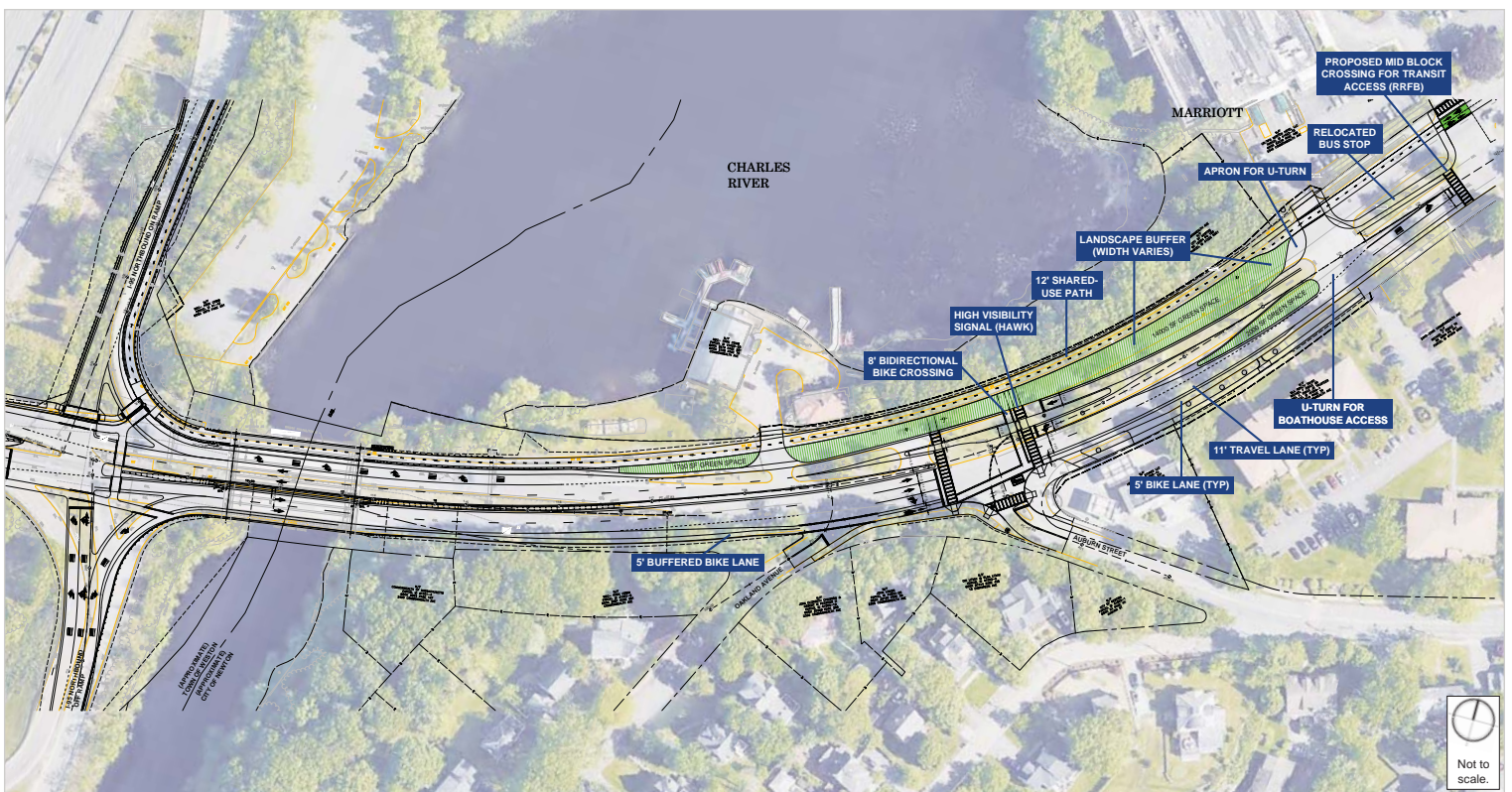
The alternative that was presented in the FDR was modified in the following ways:

- Signal timing and offset changes at the Route 30/Auburn Street intersection to maintain coordination with changes made at the other two intersections;
- Refuge islands that accommodate bicycle and pedestrian crossings have been expanded to accommodate additional queuing space;
- Bicycle accommodations have been added in the EB direction with access to the shared use path;
- Overall intersection has been tightened to reduce crossing distances and related clearance times; and
- Any vehicles exiting the boathouse and needing to head east on Route 30, would use the I-95 NB on-ramp and Norumbega Road to accomplish that, similar to how users of the Department of Conservation and Recreation (DCR) Boathouse Parking lot navigate to and from Route 30 today.

This alternative is presented graphically in **Figure 2**.



Figure 2. Route 30/Auburn Street Intersection Modified Continuous Green T-Intersection Alternative – Adjusted





ROUTE 30/AUBURN STREET INTERSECTION DISPLACED LEFT TURN

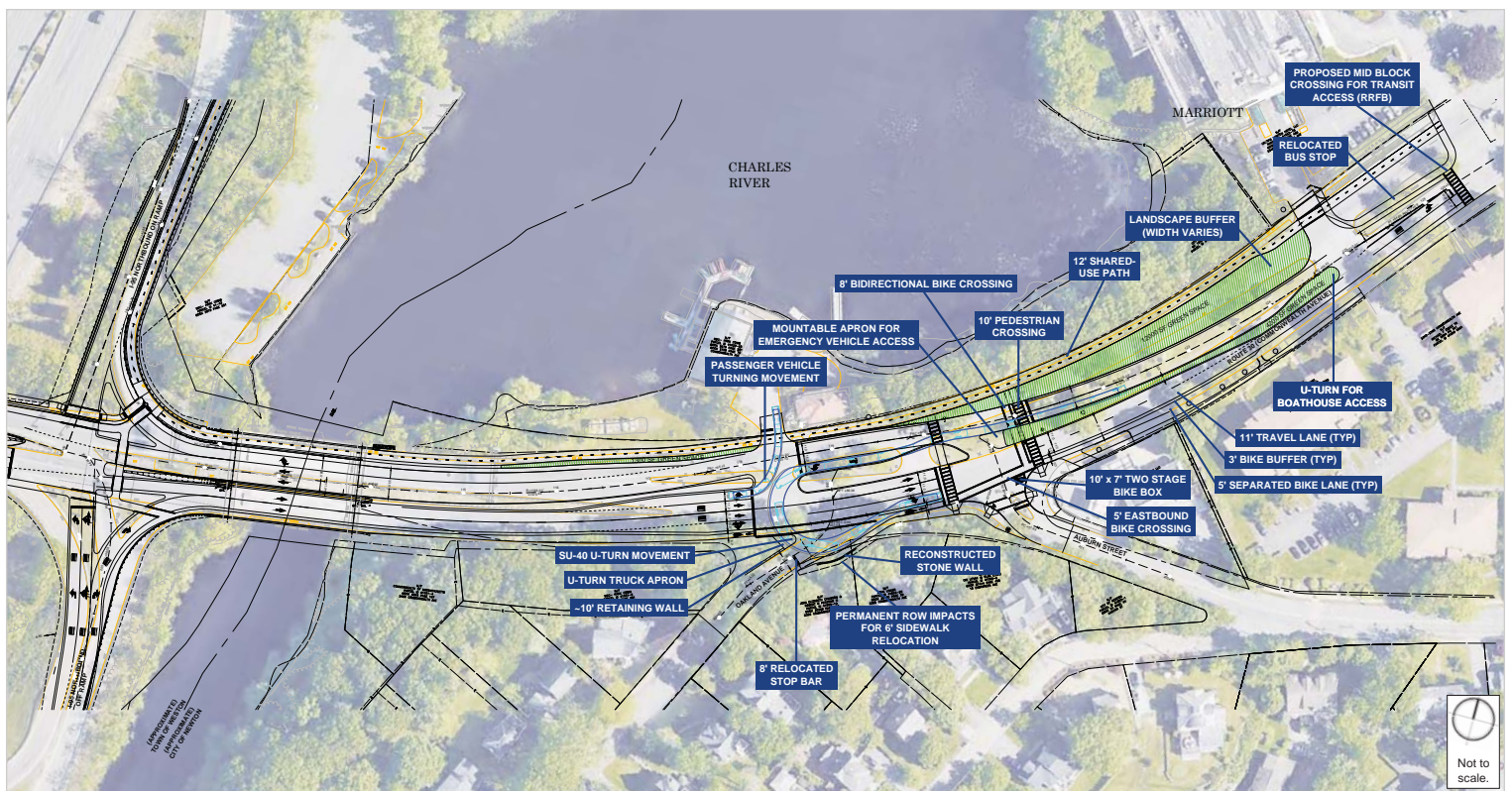
Under this alternative, the following changes take place:

- The Route 30 WB U-turn/left-turn movement is relocated to the west of the Route 30/Auburn Street intersection, creating a new signalized intersection at the boathouse driveway. Doing so will provide a protected phase for the Route 30 EB left turns and WB U-turns to occur safely, while also allowing for vehicles leaving the boathouse to access Route 30 EB. This new signalized intersection will operate as a three-phase signal:
 - The first phase would serve the Route 30 EB and WB through movements, with concurrent pedestrians crossing the boathouse driveway;
 - The second phase would serve the Route 30 EB left-turn and WB U-turn movements; and
 - The third phase would serve the boathouse driveway left and right turn movements;
- The Route 30 WB approach to Auburn Street intersection is modified to provide two through lanes; and
- A three-phase signal is provided at the Route 30/Auburn Street intersection:
 - The first phase would serve the Route 30 EB and WB through movements, while pedestrians and bicycles would be allowed to cross the Auburn Street approach;
 - The second phase would serve the Route 30 EB through and right turn movements only; and
 - The third phase would serve the Auburn Street NB movements, while also allowing for pedestrians and cyclists to cross Route 30 on the east side of the intersection.

The displaced left alternative is presented graphically in **Figure 3**.



Figure 3. Route 30/Auburn Street Intersection Displaced Left Turn Alternative





TRADITIONAL “T” INTERSECTION ALTERNATIVE

This alternative provides a traditional signalized T intersection configuration for Route 30 at Auburn Street. This intersection layout is intended to evaluate the functionality of a more traditional intersection geometry. This layout would provide signal phasing where one phase would serve the Route 30 EB and WB through traffic, and one would serve the Auburn Street traffic, while providing concurrent pedestrian and bicycle crossings, where feasible. The Route 30 WB U-turns and left turns will still occur at this intersection. Since the demand for this movement is low, the phase needed to service this movement is not expected to be used consistently during the peak hours. This alternative is proposed to do the following:

- Remove the median between the Route 30 WB through and U-turn/left-turn lanes and the median that separates the Route 30 WB through and the Auburn Street NB left-turn concurrent movements, as is currently proposed in the preferred alternative.
- Provide signal timing and phasing changes at the Route 30/Auburn Street intersection as follows:
 - The first phase would allow Route 30 EB and WB through movements and concurrent pedestrian and bicycle crossings across Auburn Street;
 - The second phase would allow Route 30 WB through and U-turn/left-turn movements only; and
 - The third phase would allow Auburn Street NB movements and concurrent pedestrian and bicycle crossings across Route 30 on the east side of the intersection.
- Any vehicles exiting the boathouse and needing to head east on Route 30 would use the I-95 NB on-ramp and Norumbega Road to accomplish that, like today.

This alternative is presented graphically in **Figure 4**.



ROUNABOUT ALTERNATIVE

The Route 30/Auburn Street intersection was analyzed as a two-lane roundabout and a general layout was created to better understand any impacts to the surrounding properties. The proposed roundabout provides the following:

- Two Route 30 EB travel lanes, one allowing U-turns and through movements and the other allowing through movements and the right turn movement to Auburn Street SB;
- Two Route 30 WB travel lanes, one allowing the through movements only and the other allowing U-turn, left turn, and through movements;
- One Auburn Street NB lane allowing for all necessary movements through the roundabout;
- Pedestrian and bicycle crossings of Route 30 EB and WB approaches with the help of either a Rectangular Rapid Flashing Beacon (RRFB) or a High-Intensity Activated crossWalk (HAWK) Beacons. This is not required for crossing Auburn Street, as it is a single lane entry and exit roadway; and
- Any vehicles exiting the boathouse and needing to head east on Route 30, would use the I-95 NB on-ramp and Norumbega Road to accomplish that, like today.

The roundabout is presented graphically in **Figure 5**.

WHEREAS:

The Charles River is an invaluable regional asset providing a host of benefits to the City of Newton and those who live and work here, including recreational opportunities, tourism, ecological benefits, and increased climate resilience; and

WHEREAS:

Newton residents enjoy a multitude of recreational opportunities on and along the Charles River, including rowing, walking, biking, and running. To be able to engage in all of these activities, Newton residents rely on the Charles River being clean and safe; and

WHEREAS:

These uses and benefits are possible today because significant resources have been invested over decades in restoring water quality in the Charles River. As climate change brings more extreme weather including intense storms and heat to our region, the benefits provided by the Charles River will only become more critical; and

WHEREAS:

Stormwater runoff, which carries phosphorus pollution, is the most significant threat to the health of the Charles River today. Phosphorus carried by stormwater into the Charles River degrades water quality and causes blooms of cyanobacteria, or blue-green algae; and

WHEREAS:

Cyanobacteria blooms are known to cause health effects including skin rashes, fever-like symptoms, respiratory or gastrointestinal distress, and in extreme cases, paralysis leading to death; and

WHEREAS:

Data indicate that cyanobacteria blooms are worsening each year and that the duration of the blooms is increasing, which threatens safe recreation and public health along all 80 miles of the Charles River, including the Newton section of the river; and

WHEREAS:

Currently-unregulated commercial, industrial, and large multi-unit developments, which make up only 20% of the land area in the Charles River watershed, contribute 50% of the stormwater pollution entering the Charles River. The ecological health of the Charles River cannot be fully restored unless these pollution sources are regulated under the Clean Water Act. Requiring large stormwater pollution sources to obtain permits under the Clean Water Act would also support the significant investments being made by municipalities including Newton to reduce stormwater runoff and phosphorus pollution; and

WHEREAS:

In 2019, Charles River Watershed Association and Conservation Law Foundation petitioned the U.S. Environmental Protection Agency (EPA) to regulate large properties polluting the Charles River with stormwater runoff under the Clean Water Act; and

WHEREAS:

EPA has indicated that it would like to engage with key stakeholders and explore the development of a workable and practical permitting approach, and has solicited feedback from relevant parties, including affected municipalities; now therefore be it

RESOLVED:

That the City Council go on record in support of requiring large sources of stormwater pollution in the Charles River watershed to obtain permits under the Clean Water Act in order to reduce phosphorus pollution and protect the health of the Charles River and those who use it.