



**CITY OF HAVERHILL
CITY COUNCIL AGENDA**

NOV 26 AM 9:40
HAVERHILL CITY CLERK

Tuesday, December 2, 2025, at 7:00 PM

Theodore A. Pelosi, Jr. Council Chambers, 4 Summer st, Room 202

In-Person/Remote Meeting

This meeting of Haverhill City Council will be held in-person at the location provided on this notice as its official meeting location pursuant to the Open Meeting Law. As the meeting is held in person at a physical location that is open and accessible to the public, the City Council is not required to provide remote access to the meeting. Members of the public are welcome to attend this in-person meeting. Please note that a live stream of the meeting is being provided only as a courtesy to the public, and the meeting will not be suspended or terminated if technological problems interrupt the virtual broadcast, unless otherwise required by law. Members of the public with particular interest in any specific item on this agenda should make plans for in-person vs. virtual attendance accordingly. Those attending tonight's meeting should be aware that the meeting is being audio and video recorded by HCTV, The Eagle Tribune, and WHAV. Any audience members who wish to record any part of the meeting must inform the Council President who will announce the recording. This is to comply with the MA wiretap statute. Thank you.

1. OPENING PRAYER

2. PLEDGE OF ALLEGIANCE

3. APPROVAL OF MINUTES OF PRIOR MEETING

4. ASSIGNMENT OF THE MINUTES REVIEW FOR THE NEXT MEETING:

5. COMMUNICATIONS FROM THE MAYOR:

5.1. Mayor Barrett wishes to introduce Superintendent Maureen Lynch, *Whittier Regional Vocational Technical District*, to discuss the unweighted lottery admissions system recently adopted by the *Whittier Regional Technical High School* School Committee

5.2. Mayor Barrett submits an order authorizing the City Council to accept a gift of \$300.00 from the Fallon Community Health Plan for the Halloween Luncheon to the Council on Aging Department

5.2.1. Order- That the City Council on behalf of the City votes to accept a gift of \$300.00 for the Halloween Luncheon at the Citizens Center. Consistent with the purpose of the donation, as stated in the letter from Fallon Community addressed to the City of Haverhill dated November 2025, the Gift shall be used by the Council on Aging Department

5.3. Mayor Barrett submits an order authorizing the City Council to accept a gift of \$100.00 dollars for the Holiday Luncheon at the Citizen's Center from Align Credit Union to the Council on Aging Department

5.3.1. Order- That the City Council on behalf of the City votes to accept a gift of \$100.00 for the Holiday Luncheon at the Citizens Center. Consistent with the



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purpose of the donation, as stated in the letter from Align Credit Union addressed to the City of Haverhill dated November 2025, the gift shall be used by the Council on Aging Department

5.4. Mayor Barrett submits an order authorizing the City Council to accept a gift of \$200.00 dollars for the Holiday Luncheon at the Citizen's Center from Bethany Community Services to the Council on Aging Department

5.4.1. Order- That the City Council on behalf of the City votes to accept a gift of \$ 200.00 for the Holiday Luncheon at the Citizens Center. Consistent with the purpose of the donation, as stated in the letter from Bethany Community Services addressed to the City of Haverhill dated November 2025, the Gift shall be used by the Council on Aging Department

5.5. Mayor Barrett submits an Order to accept MGL Ch. 44, § 53F ¾ to establish a special revenue fund for PEG Access and other cable-related revenues effective July 1, 2026

5.5.1. Order- That the City Council of the City of Haverhill accept General Laws Chapter 44, § 53F ¾

5.6. Mayor Barrett submits an order to authorize funding the PEG Access Fund with \$452,993.00 from the July 1, 2025 free cash certification

5.6.1. Order- The following be funded from July 1, 2025 free cash certification:

PEG Access Fund - \$ 452,993

5.7. Mayor Barrett submits an order to transfer surplus bond proceeds from the Sewer System Cleaning Truck Bond to the Wastewater Capital Outlay Fund

5.7.1. Order- That \$42,288.00 is appropriated to pay for the remaining costs of a crane service truck; and that to meet these appropriations, \$42,288.00 shall be transferred from unexpended proceeds of the City's General Obligation Municipal Purpose Loan of 2021 Bonds issued on May 27, 2021 for the purpose of the Sewer System Cleaning Truck Bond (3221442), which project has been completed and has no remaining liability, pursuant to MGL Chapter 44, Section 20, to the Wastewater Capital Outlay Fund (3220014)

Related communication from Robert E. Ward, DPW Director

5.8. Mayor Barrett submits the following Loan Order:

5.8.1. Loan Order to authorize borrowing of \$1,200,000.00 for all costs associated with the installation of a turf field at Trinity Stadium

File 10 Days



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6. COMMUNICATIONS FROM COUNCILORS TO INTRODUCE AN INDIVIDUAL(S) TO ADDRESS THE COUNCIL:

- 6.1. Councilor LePage requests to introduce Paul Magliocchetti, Vice Chairperson of the Haverhill School Committee, to inform on fiscal impacts of teacher negotiations and future budgets

7. PUBLIC PARTICIPATION- REQUESTS UNDER COUNCIL RULE 28

8. COMMUNICATIONS AND REPORTS FROM CITY OFFICERS AND EMPLOYEES:

- 8.1. Christine Webb, *City Assessor*, submits the abatement report for the month of October 2025

- 8.2. Angel A. Perkins, *City Auditor & Chief Financial Officer*, submits the revenue and expense reports through October 2025

9. UTILITY HEARING(S) AND RELATED ORDER(S):

- 9.1. Document # 99-G- Petition from National Grid and Verizon NE, WR#31141221, requesting joint pole location on Haseltine St

10. HEARINGS AND RELATED ORDERS:

- 10.1. Document 5-B; Ordinance re: Zoning - Add a new section 7.9 Battery Energy Storage Systems filed January 9, 2025

Related communication from City Solicitor Lisa Mead to continue the hearing until January 13, 2026

- 10.2. Doc 57 of 2022 - CCSP-22-4; Attorney Donald Borenstein for Kayrouz Petroleum, LLC requesting to store 20,000 gallons of Class II diesel fuel in an underground storage tank and 2,500 gallons of DEF (Diesel Exhaust Fluid) in an underground storage tank at 298 Amesbury Rd

Continued from November 18, 2025

- 10.3. Doc 97 - SPFL-25-2; Guy Bresnahan for Broco Energy requests to store an additional 30,000 gallons of propane in an above ground storage tank, three additional propane transport trailer trucks with a tank capacity of 12,600 gallons each for a total storage increase of 37,800 gallons of truck storage, and 8,000 gallons



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in miscellaneous empty customer tanks - the overall propane storage capacity is being increased by 75,800 gallons at 158 Hale St

11.APPOINTMENTS:

11.1. **Confirming Appointments:**

11.2. **Non-Confirming Appointments:**

11.3. **Constables**

11.4. **Resignations**

12.PETITIONS:

12.1. Petition from *SPS New England, Inc.* and *D.W. White*, as a Joint Venture, request permission to occupy and secure portions of the public right-of-way on River Valley Road for temporary laydown, staging, and storage to support the MassDOT I-495 and Industrial Avenue Haverhill-Methuen Bridge Replacement Project (MassDOT project 609466) for up to 60 months

Related communication for John H. Pettis, City Engineer

12.2. **Applications Handicap Parking Sign:** *with Police approval*

12.3. **Amusement/Event Application:** *with Police approval*

12.3.1. Evnt-25-33; Katie Cook from the *Greater Haverhill Chamber of Commerce* request to hold Holiday Happenings at Habor Place on December 6th from 12-6 pm

Request additional fees be waived

12.4. **Auctioneer License:**

12.5. **Tag Days:** *with Police approval*

12.5.1. TAGD-25-24; *Haverhill High Boys Basketball Boosters*, December 13th and 14th

12.6. **One Day Liquor License –with HPD approval**

12.7. **ANNUAL LICENSE RENEWALS:**

12.7.1. **Hawker Peddlers License- Fixed location – w/Police approval**

12.7.2. **Coin-Op License Renewals – with Police approval**

12.7.3. **Christmas Tree Vendor – with Police approval**

12.7.4. **Taxi Driver Licenses for 2024: with Police approval**

12.7.5. **Taxi/Limousine License with Police approval**

12.7.6. **Junk Dealer /Collector License - with Police approval**



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-
- 12.7.7. **Pool/Billiard**
 - 12.7.8. **Bowling**
 - 12.7.9. **Sunday Bowling**
 - 12.7.10. **Buy & Sell Second Hand Articles** *with Police approval*
 - 12.7.11. **Buy & Sell Second Hand Clothing** *with Police approval*
 - 12.7.12. **Pawnbroker license** - *with police approval*
 - 12.7.13. **Fortune Teller** *with - Police approval*
 - 12.7.14. **Buy & Sell Old Gold** – *with Police approval*
 - 12.7.15. **Roller Skating Rink**
 - 12.7.16. **Sunday Skating**
 - 12.7.17. **Exterior Vending Machines/Redbox Automated Retail, LLC**
 - 12.7.18. **Limousine/Livery License/Chair Cars** *with Police approval*

13.MOTIONS AND ORDER:

- 13.1. Order- That the following capital items be funded from the July 1, 2025 free cash certification:

City Hall Repairs & Maintenance	\$70,000
Skating Rink Building Maintenance	\$50,000
Police Department Elevator Repair	\$22,572
Police Department Firearm & Holsters	\$67,040
Police Department Mini Split at Maintenance Garage	\$20,000
Police Department Rifles	\$43,500
School Department Parking Lot Repairs	\$100,000
School Department Ceiling Refurbishments	\$100,000
Golden Hill School Roof	\$300,000
Crowell School Window	\$100,000
TOTAL - \$873,112	

- 13.2. Order- Pay bills of previous years and authorize payment from current year departmental appropriations as listed:

Vendor	Amount	Account
Waste Management	\$4,809.84	Wastewater Dept
Cutting Edge Lawn Service	\$ 3,595.00	Highway Dept
TOTAL- \$ 8,404.84		



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14.ORDINANCES (FILE 10 DAYS):

- 14.1. Ordinance relating to vehicles and traffic: Add handicap parking to the following locations: 9 Forest Ave, 7 Angle Street, and 213 River Street

File 10 days

15.COMMUNICATIONS FROM COUNCILORS:

- 15.1. President Sullivan wishes to announce that the 2026 Inauguration will be held on Monday January 5, 2026 at 10 AM in the Nicholas J. Ross Auditorium

16.UNFINISHED BUSINESS OF PRECEEDING MEETING:

- 16.1. Doc 107-A - Ordinance re: Boards and Commissions- Article XX Agricultural Commission

Related communication from City Solicitor, Lisa Mead

Filed October 29, 2025

- 16.2. Doc 94-V - Ordinance Relating to Sex Offenders; Amend Chapter 189 by adding the following: §189-16 Sex Offenders

Filed November 19, 2025

- 16.3. Doc-94-U - Mayor Barrett submits an order to designate the position of Special Counsel retained to provide legal advice as a Special Municipal Employee

- 16.3.1. Order - that the position of Special Counsel for legal advice regarding the Whittier Regional Vocational Technical District Agreement is designated as a Special Municipal Employee of the City of Haverhill in accordance with G.L. c. 268A, § 17

Continued from November 18, 2025

17.RESOLUTIONS AND PROCLAMATIONS:

18.COUNCIL COMMITTEE REPORTS AND ANNOUNCEMENTS:

19.DOCUMENTS REFERRED TO COMMITTEE STUDY:

20.LONG TERM MATTERS STUDY LIST:

21. ADJOURN:

MELINDA E. BARRETT
MAYOR



CITY OF HAVERHILL
MASSACHUSETTS

5.1

NOV 25 AM 9:01
HVCITYCLERK

CITY HALL, ROOM 100
FOUR SUMMER STREET
HAVERHILL, MA 01830
PHONE 978-374-2300
FAX 978-373-7544
MAYOR@HAVERHILLMA.GOV
WWW.HAVERHILLMA.GOV

November 24, 2025

To: City Council President Thomas J. Sullivan and Members of the
Haverhill City Council

From: Mayor Melinda E. Barrett

Re: Introduce Superintendent Maureen Lynch, Whittier Regional
Vocational Technical District

Dear Mr. President and Members of the City Council:

I wish to introduce Superintendent Maureen Lynch, Whittier Regional Vocational Technical District, to discuss the unweighted lottery admissions system recently adopted by the Whittier Regional Vocational Technical High School Committee ("Committee").

The Committee's decision follows new regulations adopted this fall by the Massachusetts Board of Elementary and Secondary Education requiring all career and technical education schools to use a lottery-based admissions process.

Very truly yours,

Melinda E. Barrett
Mayor

MELINDA E. BARRETT
MAYOR



CITY OF HAVERHILL
MASSACHUSETTS

52
CITY HALL, ROOM 100
FOUR SUMMER STREET
HAVERHILL, MA 01830
PHONE 978-374-2300
FAX 978-373-7544
MAYOR@HAVERHILLMA.GOV
WWW.HAVERHILLMA.GOV

November 19, 2025

NOV 21 PM 12:44
HVCITYCLERK

To: City Council President Thomas J. Sullivan and Members of the Haverhill City Council

From: Mayor Melinda E. Barrett

RE: Order Authorizing City Council to Accept a Gift of \$300.00 Dollars from Fallon Community Health Plan for the Halloween Luncheon to Council on Aging Department.

Dear Mr. President and Members of the Haverhill City Council:

Please see attached an order authorizing City Council to accept a gift of \$300.00 dollars for the Halloween Luncheon held this past October at the Citizen's Center from Fallon Community Health Plan to Council on Aging Department.

I recommend approval.

Sincerely,

Melinda E. Barrett
Mayor

MEB/em



Document

CITY OF HAVERHILL

In Municipal Council

NOV 21 PM 12:40
HVCITYCLERK

Ordered:

GIFT ACCEPTANCE

At a regularly convened meeting of the City Council of the City of Haverhill, held on the 2nd day of December 2025, it was voted as follows:

That the City Council of the City of Haverhill, duly elected, qualified, and acting as such, on behalf of the City votes to accept a gift of three hundred dollars (\$300.00) for the Halloween Luncheon at the Citizens Center. Consistent with the purpose of the donation, as stated in the letter from Fallon Community addressed to the City of Haverhill dated November 2025, the Gift shall be used by the Council on Aging Department.

YEAS: _____

NAYS: _____

ABSENT: _____

PASSED IN COUNCIL: _____

A True Record, Attest:

Date Approved

Kaitlin M. Wright, City Clerk

Melinda E. Barrett, Mayor

VENDOR NO.				CHECK NO.
45016				538470
VENDOR NAME			DATE	PAGE
CITY OF HAVERHILL			Nov 5, 2025	
DATE	INVOICE NO.	DESCRIPTION	DISCOUNT	NET AMOUNT
Oct 17, 2025	COA005	COA HALLOWEEN LUNCHEON 10/24/25	.00	300.00

Total: .00

\$300.00



1 Mercantile Street, Ste.400
Worcester, MA 01608
508-799-2100

Santander Bank
Boston, MA

60-7269
2313

538470

DATE	CHECK NO.	AMOUNT
05-Nov-2025	538470	*****\$300.00

PAY Three Hundred Dollars And Zero Cents*****

TO
THE
ORDER
OF

CITY OF HAVERHILL
COUNCIL ON AGING
10 WELCOME ST
HAVERHILL, MA 01830

Manuel A. Lopez

AUTHORIZED SIGNATURE



00538470 2313 607269 2313



MELINDA E. BARRETT
MAYOR

CITY OF HAVERHILL
MASSACHUSETTS

5.3
CITY HALL, ROOM 100
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WWW.HAVERHILLMA.GOV

November 19, 2025

HAV CITY CLRK NOV21'25 12:43

To: City Council President Thomas J. Sullivan and Members of the Haverhill City Council

From: Mayor Melinda E. Barrett

RE: Order Authorizing City Council to Accept a Gift of \$100.00 Dollars from Align Credit Union for the Holiday Luncheon to Council on Aging Department.

Dear Mr. President and Members of the Haverhill City Council:

Please see attached an order authorizing City Council to accept a gift of \$100.00 dollars for the Holiday Luncheon at the Citizen's Center from Align Credit Union to Council on Aging Department.

I recommend approval.

Sincerely,

Melinda E. Barrett
Mayor

MEB/em



Document

CITY OF HAVERHILL

In Municipal Council

5.3.1

NOV 21 PM 12:40
Haverhill City Clerk

Ordered:

GIFT ACCEPTANCE

At a regularly convened meeting of the City Council of the City of Haverhill, held on the 2nd day of December 2025, it was voted as follows:

That the City Council of the City of Haverhill, duly elected, qualified, and acting as such, on behalf of the City votes to accept a gift of one hundred dollars (\$100.00) for the Holiday Luncheon at the Citizens Center. Consistent with the purpose of the donation, as stated in the letter from Align Credit Union addressed to the City of Haverhill dated November 2025, the Gift shall be used by the Council on Aging Department.

YEAS: _____

NAYS: _____

ABSENT: _____

PASSED IN COUNCIL: _____

A True Record, Attest:

Date Approved

Kaitlin M. Wright, City Clerk

Melinda E. Barrett, Mayor

11065877725 #55971E011

Align Credit Union

Haverhill Council on Aging

Document Date	Document Number	Description	Base Amount	Net Amount
10/31/2025	COA12	COA Holiday Luncheon	\$ 100.00	\$ 100.00
Total			\$ 100.00	\$ 100.00

34895

11/05/2025



MELINDA E. BARRETT
MAYOR

CITY OF HAVERHILL
MASSACHUSETTS

5.4

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November 19, 2025

NOV 21 PM 12:44
HAVCITYCLERK

To: City Council President Thomas J. Sullivan and Members of the Haverhill City Council

From: Mayor Melinda E. Barrett

RE: Order Authorizing City Council to Accept a Gift of \$200.00 Dollars from Bethany Community Services for the Holiday Luncheon to Council on Aging Department.

Dear Mr. President and Members of the Haverhill City Council:

Please see attached an order authorizing City Council to accept a gift of \$200.00 dollars for the Holiday Luncheon at the Citizen's Center from Bethany Community Services to Council on Aging Department.

I recommend approval.

Sincerely,

Melinda E. Barrett
Mayor

MEB/em



Document

CITY OF HAVERHILL

In Municipal Council

5.4.1

NOV 21 PM 2:41
HAVERHILL

Ordered:

GIFT ACCEPTANCE

At a regularly convened meeting of the City Council of the City of Haverhill, held on the 2nd day of December 2025, it was voted as follows:

That the City Council of the City of Haverhill, duly elected, qualified, and acting as such, on behalf of the City votes to accept a gift of two hundred dollars (\$200.00) for the Holiday Luncheon at the Citizens Center. Consistent with the purpose of the donation, as stated in the letter from Bethany Community Services addressed to the City of Haverhill dated November 2025, the Gift shall be used by the Council on Aging Department.

YEAS: _____

NAYS: _____

ABSENT: _____

PASSED IN COUNCIL: _____

A True Record, Attest:

Date Approved

Kaitlin M. Wright, City Clerk

Melinda E. Barrett, Mayor



Bethany Community Services • 10 Phoenix Row • Haverhill, MA 01832

P 978-374-2160 • F 978-374-2163 • bethanycommunities.org

November 19, 2025

Paola Hussein
Haverhill Council on Aging
Activities/Volunteer Coordinator
10 Welcome Street
Haverhill, MA 01830

Dear Paola,

Bethany Community Services is pleased to contribute to the Haverhill Council on Aging's upcoming Christmas Luncheon scheduled for December 19, 2025

Please note our contribution of \$200.00 with check #73692.

We thank the Haverhill COA for all that it does to support the City's senior residents and wish you another successful event!

Sincerely,

Beth Grady

Director of Community Engagement

Bethany Community Services

73692

V-000945--Haverhill Council on Aging
Print As: Haverhill Council on Aging

10 Welcome Street
Haverhill, MA 01830

BCS Operating GL#10003
BCS OPERATING - 9483 9483
Date: 11/13/2025

Date	Bill no.	Reference Number	Amount Due	Amount Paid/Applied
10/31/2025	2025 Annual Holiday Luncheon Donation		\$200.00	\$200.00
Net Amount:			\$200.00	\$200.00

HOLD TO LIGHT TO VIEW TRUE WATERMARK IN PAPER HEAT SENSITIVE RED LOCK DISAPPEARS WHEN HEATED

Bethany Community Services

10 Phoenix Row
Haverhill MA 01832-5702



DATE

73692

53-7006/2113



AMOUNT

11/13/2025

\$

200.00

Haverhill Council on Aging

Two Hundred Dollars

PAY
TO THE
ORDER
OF:

Haverhill Council on Aging
10 Welcome Street
Haverhill, MA 01830
United States



[Signature]
AUTHORIZED SIGNATURE

Bethany Community Services
10 Phoenix Row
Haverhill MA 01830-5702

Pentucket
Bank

73692

83 2006/2113

DATE

11/13/2026

AMOUNT

\$

200.00

Haverhill Council on Aging

PAY
TO THE
ORDER
OF:

Two Hundred Dollars

Haverhill Council on Aging
10 Worcester Street
Haverhill, MA 01830
United States



[Signature]
AUTHORIZED SIGNATURE

Security features. Details on back.



MELINDA E. BARRETT
MAYOR



CITY OF HAVERHILL
MASSACHUSETTS

5.5

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November 24, 2025

To: City Council President Thomas J. Sullivan and Members of the
Haverhill City Council

From: Mayor Melinda E. Barrett

Re: Order to Accept MGL Ch. 44, §53F¾

Dear Mr. President and Members of the City Council:

I respectfully submit an Order to Accept MGL Ch. 44, §53F¾ to establish a special revenue fund for PEG Access and other cable-related revenues effective July 1, 2026.

I recommend approval

Very truly yours,

Melinda E. Barrett
Mayor



5.51

NOV 25 AM 11:32
HAVCITYCLERK

Document

City of Haverhill

In Municipal Council

Ordered:

PEG ACCESS AND CABLE RELATED FUND ACCEPTANCE
Legislative Body Vote

ARTICLE/ORDER. To see if the city will accept General Laws Chapter 44, Section 53F³/₄, which establishes a special revenue fund known as the PEG Access and Cable Related Fund, to reserve cable franchise fees and other cable-related revenues for appropriation to support PEG access services and oversight and renewal of the cable franchise agreement, the fund to begin operation for fiscal year 2027, which begins on July 1, 2026 or take any other action relative thereto.

MOTION. Moved/ordered that the city/town accept General Laws Chapter 44, Section 53F³/₄, which establishes a special revenue fund known as the PEG Access and Cable Related Fund, to reserve cable franchise fees and other cable-related revenues for appropriation to support PEG access services and oversight and renewal of the cable franchise agreement, the fund to begin operation for fiscal year 2027 which begins on July 1, 2026.

MELINDA E. BARRETT
MAYOR



CITY OF HAVERHILL
MASSACHUSETTS

56

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November 24, 2025

To: City Council President Thomas J. Sullivan and Members of the
Haverhill City Council

From: Mayor Melinda E. Barrett

Re: Order to Fund PEG Access Fund from Free Cash Certification

Dear Mr. President and Members of the City Council:

I respectfully submit the attached Order to authorize funding the PEG Access Fund with \$452,993.00 from the July 1, 2025 free cash certification.

I recommend approval.

Sincerely,

Melinda E. Barrett
Mayor



Document

CITY OF HAVERHILL

In Municipal Council

5.61

NOV 25 AM 9:01
HVCITYCLERK

Ordered:

That the following be funded from the July 1, 2025 free cash certification:

PEG Access Fund	\$452,993
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MELINDA E. BARRETT
MAYOR



CITY OF HAVERHILL
MASSACHUSETTS

5.7

CITY HALL, ROOM 100
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WWW.HAVERHILLMA.GOV

November 25, 2025

To: City Council President Thomas J. Sullivan and Members of the
Haverhill City Council

From: Mayor Melinda E. Barrett

Re: Order to Transfer Surplus Bond Proceeds

Dear Mr. President and Members of the City Council:

I respectfully submit the attached Order to transfer surplus bond proceeds from the Sewer System Cleaning Truck Bond to the Wastewater Capital Outlay Fund. The funds will be used to replace a service truck for the Wastewater Department.

I recommend approval

Very truly yours,

Melinda E. Barrett
Mayor



Haverhill

Robert E. Ward, DPW Director
Phone: 978-374-2382 Fax: 978-521-4083
rward@haverhillMA.gov

Date: November 24, 2025

To: The Honorable Melinda E. Barrett
Mayor of Haverhill

From: Robert E. Ward *R.E.W.*
DPW Director

Subject: Request for Transfer of Wastewater Funds

Enclosed is a proposed City Council Order regarding the transfer of surplus bond proceeds from the Sewer System Cleaning Truck Bond to the Wastewater Capital Outlay fund. The allocated funds will be utilized to replace a service truck for the Wastewater Department.

If this proposal meets your approval, please forward the Order to the City Clerk to include it on the agenda for the City Council's forthcoming meeting for consideration and approval.

Should you require further information or have any questions, feel free to contact me at extension 2328 or via email.

Attachment.

cc: Angel A. Perkins, City Auditor/Finance Director, aperkins@haverhillMA.gov
Christine M. Lindberg, MPA, MCPPO, clindberg@haverhillMA.gov
Allana J. McOsker, DPW Business Manager, ajmcosker@haverhillMA.gov



DOCUMENT

CITY OF HAVERHILL

In Municipal Council

5.7.1

NOV 25 AM 9:01
HAUCITYCLERK

ORDERED:

That forty-two thousand two hundred eighty-eight dollars (\$42,288.00) is appropriated to pay for the remaining costs of a crane service truck; and that to meet these appropriations, \$42,288.00 shall be transferred from the unexpended proceeds of the City's General Obligation Municipal Purpose Loan of 2021 Bonds issued on May 27, 2021 for the purpose of the Sewer System Cleaning Truck Bond (3221442), which project has been completed and has no remaining liability, pursuant to Massachusetts General Laws Chapter 44, Section 20, to the Wastewater Capital Outlay Fund (3220014).

MELINDA E. BARRETT
MAYOR



CITY OF HAVERHILL
MASSACHUSETTS

5.8

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November 24, 2025

To: City Council President Thomas J. Sullivan and Members of the
Haverhill City Council

From: Mayor Melinda E. Barrett

Re: Order to Authorize Borrowing for Turf Field at Trinity Stadium

Dear Mr. President and Members of the City Council:

I respectfully submit the attached Order to authorize borrowing of \$1,200,000.00
for all costs associated with the installation of a turf field at Trinity Stadium.

I recommend approval.

Sincerely,

Melinda E. Barrett
Mayor



5.8.1

File for
10 days

Document

City of Haverhill

In Municipal Council November 18, 2025

Ordered:

NOV 13 PM 1:47
HAVCITYCLERK

\$1,200,000 Turf Field Bonds

Ordered: That One Million Two Hundred Thousand Dollars (\$1,200,000) is hereby appropriated to pay costs of the renovation and replacement of the turf field at Trinity Stadium, including the payment of all costs incidental and related thereto; and that to meet this appropriation, the Treasurer, with the approval of the Mayor, is authorized to borrow said amount pursuant to Chapter 44, Section 7(1) of the General Laws, or pursuant to any other enabling authority, and to issue bonds or notes of the City therefor.

Further Ordered: That the Treasurer is authorized to file an application with the appropriate officials of The Commonwealth of Massachusetts (the "Commonwealth") to qualify under Chapter 44A of the General Laws any and all bonds of the City authorized to be borrowed pursuant to this loan order and to provide such information and execute such documents as such officials of the Commonwealth may require in connection therewith.

Kaitlin Wright

From: North of Boston <noreply@wave2adportal.com>
Sent: Friday, November 14, 2025 8:52 AM
To: CityClerk
Cc: cmacdonald@northofboston.com; Kaitlin Wright
Subject: Thank you for placing your order with us.

Warning! External Email. Exercise caution when opening attachments or clicking on any links.
THANK YOU for your notice submission!

This is your confirmation that your order has been submitted. Below are the details of your transaction. Please save this confirmation for your records.

Job Details

Order Number:
W0139315
Business Type:
All Other Public Notices
Notice Size:
Public Notices
Notice Estimate:
\$86.54
Referral Code:
Turf Field Bonds

Account Details

Haverhill Clerk
4 SUMMER ST STE 118
HAVERHILL, MA □ 01830
978-374-2312
cityclerk@cityofhaverhill.com
HAVERHILL CITY CLERK

Schedule for notice number W01393150

Thu Dec 4, 2025

Haverhill Gazette Public Notices

All Zones

City of Haverhill
In Municipal Council
November 18, 2025
Ordered:
\$1,200,000 Turf Field Bonds
Ordered: That One Million Two Hundred Thousand Dollars (\$1,200,000) is hereby appropriated to pay costs of the renovation and replacement of the turf field at Trinity Stadium, including the payment of all costs incidental and related thereto; and that to meet this appropriation, the Treasurer, with the approval of the Mayor, is authorized to borrow said amount pursuant to Chapter 44, Section 7(1) of the General Laws, or pursuant to any other enabling authority, and to issue bonds or notes of the City therefor.

Further Ordered: That the Treasurer is authorized to file an application with the appropriate officials of The Commonwealth of Massachusetts (the "Commonwealth") to qualify under Chapter 44A of the General Laws any and all bonds of the City authorized to be borrowed pursuant to this loan order and to provide such information and execute such documents as such officials of the Commonwealth may require in connection therewith.
HG - Publication Dates

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CITY COUNCIL

Thomas J. Sullivan, *President*
Timothy J. Jordan, *Vice President*
John A. Michitson
Colin F. LePage
Melissa J. Lewandowski
Catherine P. Rogers
Shaun P. Toohey
Michael S. McGonagle
Katrina Hobbs Everett
Devan Ferreira
Ralph T. Basiliere



CITY OF HAVERHILL

HAVERHILL, MASSACHUSETTS 01830-5843

CITY HALL, ROOM 204

4 SUMMER STREET

TELEPHONE: 978-374-2328

FACSIMILE: 978-374-2329

WWW.CITYOFHAVERHILL.COM

CITYCOUNCIL@HAVERHILLMA.GOV

NOV 24 AM 11:01
HAVCITYCLERK

November 12, 2025

To: President and Members of the City Council

Councillor LePage requests to introduce Paul Magliocchetti, Vice Chairperson of the Haverhill School Committee to inform on fiscal impacts of teacher negotiations and future budgets.


Councillor Colin LePage

(Meeting: 12.2.25)

6.1

Kaitlin Wright

From: Colin LePage
Sent: Wednesday, November 12, 2025 2:31 PM
To: Lori Robertson; City Council
Cc: Thomas J. Sullivan; CityClerk; Mayor; pmagliocchetti@haverhill-ps.org; Colin Lepage
Subject: November 18th Council Agenda Item

Hello Lori,

Please add the following agenda item to Section 6 - Communications from Councilors to Introduce an Individual(s) to address the Council:

6.? Councillor LePage requests to introduce Paul Magliocchetti, Vice Chairperson of the Haverhill School Committee to inform on fiscal impacts of teacher negotiations and future budgets.

Thank you.

Regards,
Colin
978-618-6460

Get [Outlook for iOS](#)

NOV 12 PM3:13
HAVCITYCLERK



8.1

CITY OF HAVERHILL
ASSESSORS OFFICE – ROOM 115
Phone: 978-374-2316 Fax: 978-374-2319
Assessors@cityofhaverhill.com

Nov. 3, 2025

TO: MEMBERS OF THE HAVERHILL CITY COUNCIL:

In accordance with Municipal Ordinance, Chapter 7,
entitled "Assessor" as follows:

The Board of Assessors shall file monthly with the
City Council a copy of the report submitted to the
Auditor showing a summary of the above abated
amounts for that month.

Attached herewith is the report for the month of
October as filed in the Assessors Office.

Very truly yours,

Christine Webb, MAA
Assessor

NOV 5 AM 10:18
HAVCITYCLERK

Transaction Summary All Years
City of Haverhill

All Entry Date range 10/01/2025 through 10/31/2025 for Abateements

Totals	Tax		Interest		Fees		Tax		Interest		Fee		Refund		Abate	Exemp	Adjust	Transfers
	Paid		Paid		Paid		Reversals		Reversals		Reversals		Reversals					
Boat Excise Tax	0.00		0.00		0.00		0.00		0.00		0.00		0.00		15.00	0.00	0.00	0.00
2023 Boats	0.00		0.00		0.00		0.00		0.00		0.00		0.00		15.00	0.00	0.00	0.00
Motor Vehicle Excise Tax	0.00		0.00		0.00		0.00		0.00		0.00		0.00		1,393.43	0.00	0.00	0.00
2023 Motor Vehicles	0.00		0.00		0.00		0.00		0.00		0.00		0.00		1,393.43	0.00	0.00	0.00
2023	0.00		0.00		0.00		0.00		0.00		0.00		0.00		1,408.43	0.00	0.00	0.00
Motor Vehicle Excise Tax	0.00		0.00		0.00		0.00		0.00		0.00		0.00		2,042.05	0.00	0.00	0.00
2024 Motor Vehicles	0.00		0.00		0.00		0.00		0.00		0.00		0.00		2,042.05	0.00	0.00	0.00
Property Tax	0.00		0.00		0.00		0.00		0.00		0.00		0.00		2,385.85	0.00	0.00	0.00
2024 Real Estate	0.00		0.00		0.00		0.00		0.00		0.00		0.00		2,385.85	0.00	0.00	0.00
2024	0.00		0.00		0.00		0.00		0.00		0.00		0.00		4,427.90	0.00	0.00	0.00
Boat Excise Tax	0.00		0.00		0.00		0.00		0.00		0.00		0.00		108.00	0.00	0.00	0.00
2025 Boats	0.00		0.00		0.00		0.00		0.00		0.00		0.00		108.00	0.00	0.00	0.00
Motor Vehicle Excise Tax	0.00		0.00		0.00		0.00		0.00		0.00		0.00		24,976.32	0.00	0.00	0.00
2025 Motor Vehicles	0.00		0.00		0.00		0.00		0.00		0.00		0.00		24,976.32	0.00	0.00	0.00
2025	0.00		0.00		0.00		0.00		0.00		0.00		0.00		25,084.32	0.00	0.00	0.00
Boat Excise Tax	0.00		0.00		0.00		0.00		0.00		0.00		0.00		277.00	0.00	0.00	0.00
2026 Boats	0.00		0.00		0.00		0.00		0.00		0.00		0.00		277.00	0.00	0.00	0.00
2026	0.00		0.00		0.00		0.00		0.00		0.00		0.00		277.00	0.00	0.00	0.00
Report	0.00		0.00		0.00		0.00		0.00		0.00		0.00		31,197.65	0.00	0.00	0.00
Total All Charges															31,197.65			

Total All Charges: Add all columns except Adjustments.



8.2

Haverhill

Office of the City Auditor, Room 106
Phone: 978-374-2306 Fax: 978-373-8476
aperkins@cityofhaverhill.com

November 20, 2025

NOV 20 PM3:21
HAVCITYCLERK

To The Honorable City Council

Attached are the revenue and expense reports through October 2025.

Last month, I reported a year-over-year revenue decline in local receipts of 5.7%. I can share that we have seen an uptick in collections, and the decline has now been reduced to 0.8%. Nonetheless, it is critical to note that, in the absence of investment income, we observe a year-over-year decline in local receipts of 11.5%. Since we cannot expect investment income to continue at current levels, given that most investments are from ARPA and borrowing proceeds for Consentino, we need to prepare for a likely revenue slowdown in the coming fiscal year.

The most significant impacts on local receipts are the declines in motor vehicle excise taxes and license and permit fees. Motor vehicle excise collections indicate a 15% year-over-year decline, which is particularly impactful given that it is the city's largest single source of local revenue, with an estimated budget of \$8.3 million. Another area to watch is the decline in license and permit fees, which are down 23% year over year. This revenue category is currently budgeted at \$2.5 million.

The operating budgets are generally on target. However, you may notice that most salary budgets show a year-to-date overage. This is primarily due to cost-of-living adjustments (COLAs) and collective bargaining agreements, which have been allocated to a reserve account. These funds will be distributed to departments closer to the year-end, bringing salary budgets back in line with projections.

There are some actual overages in employee benefits, specifically for items such as unemployment and sick leave buyback. The city will need to cover these from the budget reserve. The budget reserve account is designated for emergency and unforeseen expenses, as well as for additional snow and ice removal costs. Currently, the balance in the budget reserve account is just over \$790,000, representing 0.29% of the total operating budget.

Sincerely,

Angel A. Perkins, CPFO, CGA, CFE
City Auditor & Chief Financial Officer

Year to Date Benchmark	 33.33%
------------------------	--

City Department	Budget (YTD)	Expended (YTD)	Unexpended (YTD)	% Expended
Council Salaries	\$ 234,279	\$ 79,500	\$ 154,779	 33.93%
Council Expenses	\$ 8,100	\$ 699	\$ 7,401	 8.62%
Mayor Salaries	\$ 432,688	\$ 156,124	\$ 276,564	 36.08%
Mayor Expenses	\$ 210,250	\$ 50,400	\$ 159,850	 23.97%
Auditor's Office Salaries	\$ 377,209	\$ 118,379	\$ 258,830	 31.38%
Auditor's Office Expenses	\$ 139,381	\$ 6,567	\$ 132,814	 4.71%
Assessors Salaries	\$ 297,788	\$ 103,101	\$ 194,687	 34.62%
Assessors Expenses	\$ 179,215	\$ 11,877	\$ 167,338	 6.63%
Treasurer/Collector Salaries	\$ 469,208	\$ 131,118	\$ 338,090	 27.94%
Treasurer/Collector Expenses	\$ 251,300	\$ 48,315	\$ 202,985	 19.23%
Constituent Services Salaries	\$ 109,442	\$ 37,686	\$ 71,756	 34.43%
Constituent Services Expenses	\$ 15,500	\$ -	\$ 15,500	 0.00%
Purchasing Salaries	\$ 100,547	\$ 35,042	\$ 65,505	 34.85%
Purchasing Expenses	\$ 12,050	\$ 3,610	\$ 8,440	 29.96%
Law Department Salaries	\$ 46,818	\$ 15,918	\$ 30,900	 34.00%
Law Department Legal	\$ 536,000	\$ 57,205	\$ 478,795	 10.67%
Human Resources Salaries	\$ 318,404	\$ 111,708	\$ 206,696	 35.08%
Human Resources Expenses	\$ 147,550	\$ 53,120	\$ 94,430	 36.00%
MIS Salaries	\$ 160,000	\$ 72,942	\$ 87,058	 45.59%
MIS Expenses	\$ 638,134	\$ 341,687	\$ 296,447	 53.54%
MIS Capital	\$ 50,000		\$ 50,000	 0.00%
City Clerk Salaries	\$ 594,766	\$ 179,244	\$ 415,522	 30.14%
City Clerk Expenses	\$ 171,380	\$ 54,064	\$ 117,316	 31.55%
TOTAL GENERAL GOVERNMENT	\$ 5,500,009	\$ 1,668,307	\$ 3,831,702	 30.3%
Building Maint. Salaries	\$ 79,127	\$ 13,755	\$ 65,372	 17.38%
Building Maint. Expenses	\$ 298,500	\$ 48,647	\$ 249,853	 16.30%
Inspectional & Health Services Salaries	\$ 1,205,528	\$ 424,198	\$ 781,330	 35.19%
Inspectional & Health Services Expenses	\$ 46,950	\$ 11,487	\$ 35,463	 24.47%
Public Health Salaries	\$ 247,498	\$ 93,516	\$ 153,982	 37.78%
Public Health Expenses	\$ 9,000	\$ 462	\$ 8,538	 5.14%
Economic Development Salaries	\$ 291,516	\$ 105,543	\$ 185,973	 36.21%
Economic Development Expenses	\$ 56,162	\$ 3,472	\$ 52,690	 6.18%
TOTAL COMMUNITY & ECONOMIC DEVELOPMENT	\$ 2,234,281	\$ 701,081	\$ 1,533,200	 31.4%
Police Salaries	\$ 14,399,407	\$ 4,575,990	\$ 9,823,418	 31.78%
Police Expenses	\$ 1,813,628	\$ 423,248	\$ 1,390,380	 23.34%
Police Capital	\$ 353,000	\$ 291,878	\$ 61,122	 82.69%
Fire Salaries	\$ 13,774,479	\$ 4,559,034	\$ 9,215,445	 33.10%
Fire Expenses	\$ 1,029,809	\$ 267,070	\$ 762,739	 25.93%
Fire Capital	\$ 5,824	\$ -	\$ 5,824	 0.00%

City Department	Budget (YTD)	Expended (YTD)	Unexpended (YTD)	% Expended
TOTAL PUBLIC SAFETY	\$ 31,376,147	\$ 10,117,219	\$ 21,258,928	32.24%
Whittier Regional School Assessment	\$ 8,704,320	\$ 4,352,160	\$ 4,352,160	50.00%
North Shore Essex Tech. Assessment	\$ 664,063	\$ -	\$ 664,063	0.00%
School Other Funding	\$ 15,000	\$ -	\$ 15,000	0.00%
School Department	\$ 133,801,660	\$ 28,186,278	\$ 105,615,382	21.07%
TOTAL EDUCATION	\$ 143,185,043	\$ 32,538,438	\$ 110,646,605	22.7%
Public Works Administration Salaries	\$ 59,607	\$ 20,846	\$ 38,761	34.97%
Public Works Administration Expenses	\$ 44,804	\$ 6,882	\$ 37,922	15.36%
Public Works Highways Salaries	\$ 1,404,280	\$ 471,535	\$ 932,745	33.58%
Public Works Highways Expenses	\$ 840,655	\$ 300,140	\$ 540,515	35.70%
Public Works Highways Capital	\$ 112,000	\$ 15,219	\$ 96,781	13.59%
Public Works Solid Waste/Recycling Salaries	\$ 218,185	\$ 70,217	\$ 147,968	32.18%
Public Works Solid Waste/Recycling Expenses	\$ 5,985,808	\$ 1,169,978	\$ 4,815,830	19.55%
Public Works Parking Area Salaries	\$ 51,726	\$ 18,298	\$ 33,428	35.37%
Public Works Parking Area Expenses	\$ 369,101	\$ 93,635	\$ 275,466	25.37%
Public Works Street Marking Expenses	\$ 116,883	\$ 30,248	\$ 86,635	25.88%
Public Works Fleet Maint. Salaries	\$ 274,157	\$ 74,789	\$ 199,368	27.28%
Public Works Fleet Maint. Expenses	\$ 49,080	\$ 1,277	\$ 47,803	2.60%
Public Works Park Dept. Salaries	\$ 584,634	\$ 160,669	\$ 423,965	27.48%
Public Works Park Dept. Expenses	\$ 332,850	\$ 73,219	\$ 259,631	22.00%
Public Works Street Lighting Expenses	\$ 725,800	\$ 164,423	\$ 561,377	22.65%
Public Works Snow & Ice Removal Salaries	\$ 229,330	\$ 790	\$ 228,540	0.34%
Public Works Snow & Ice Removal Expenses	\$ 980,670	\$ 5,004	\$ 975,666	0.51%
TOTAL PUBLIC WORKS	\$ 12,379,570	\$ 2,677,169	\$ 9,702,401	21.6%
Citizens Center Salaries	\$ 303,619	\$ 120,118	\$ 183,501	39.56%
Citizens Center Expenses	\$ 188,010	\$ 50,672	\$ 137,338	26.95%
Veterans Services Salaries	\$ 115,545	\$ 41,098	\$ 74,447	35.57%
Veterans Services Expenses	\$ 558,000	\$ 140,257	\$ 417,743	25.14%
Senior Services Salaries	\$ 13,500	\$ 3,462	\$ 10,038	25.64%
Senior Services Expenses	\$ 2,700	\$ -	\$ 2,700	0.00%
Stadium Commission	\$ 59,000	\$ 25,939	\$ 33,061	43.96%
Recreation Salaries	\$ 193,129	\$ 121,983	\$ 71,146	63.16%
Recreation Expenses	\$ 85,000	\$ 14,907	\$ 70,093	17.54%
Public Library Salaries	\$ 1,665,862	\$ 537,626	\$ 1,128,236	32.27%
Public Library Expenses	\$ 293,585	\$ 143,351	\$ 150,234	48.83%
TOTAL HUMAN SERVICES	\$ 3,477,950	\$ 1,199,412	\$ 2,278,538	34.5%
Debt Service	\$ 9,491,008	\$ 1,191,133	\$ 8,299,875	12.55%
TOTAL DEBT SERVICE	\$ 9,491,008	\$ 1,191,133	\$ 8,299,875	12.6%
Retirement Fund	\$ 22,967,281	\$ 22,967,281	\$ -	100.00%
Unemployment Compensation	\$ 230,000	\$ 182,602	\$ 47,398	79.39%
Group Insurance	\$ 29,765,000	\$ 4,814,808	\$ 24,950,192	16.18%

City Department	Budget (YTD)	Expended (YTD)	Unexpended (YTD)	% Expended
Payroll Taxes (FICA/Medicare)	\$ 2,103,796	\$ 601,666	\$ 1,502,130	✓ 28.60%
Workers Compensation	\$ 915,000	\$ 208,303	\$ 706,697	✓ 22.77%
Injured on Duty Claims	\$ 230,967	\$ 177,344	\$ 53,623	✗ 76.78%
Sick Leave Bank	\$ 126,000	\$ 239,440	\$ (113,440)	✗ 190.03%
Vacational Buyback	\$ 55,000	\$ 53,350	\$ 1,650	✗ 97.00%
Retiree Medical Claims	\$ 121,000	\$ 22,971	\$ 98,029	✓ 18.98%
TOTAL EMPLOYEE BENEFITS	\$ 56,514,044	\$ 29,267,765	\$ 27,246,279	✗ 51.8%
General Liability Insurance	\$ 1,303,678	\$ 950,672	\$ 353,006	✗ 72.92%
Salary Reserve	\$ 1,080,000	\$ 10,811	\$ 1,069,189	✓ 1.00%
Budget Reserve	\$ 805,671	\$ 15,193	\$ 790,478	✓ 1.89%
State Assessments (Cherry Sheets)	\$ 9,524,223	\$ 3,207,026	\$ 6,317,197	⚠ 33.67%
Reserve for Abatement & Exemption (Overlay)	\$ 250,000	\$ -	\$ 250,000	✓ 0.00%
TOTAL OTHER CITY EXPENSES	\$ 12,963,572	\$ 4,183,703	\$ 8,779,869	✓ 32.3%
TOTAL GENERAL FUND	\$ 277,121,624	\$ 83,544,225	\$ 193,577,399	30.1%

Water Department Salaries	\$ 3,780,009	\$ 1,297,303	\$ 2,482,706	✗ 34.32%
Water Department Expenses	\$ 9,818,378	\$ 4,064,580	\$ 5,753,798	✗ 41.40%
Water Department Capital	\$ 300,000	\$ 8,420	\$ 291,580	✓ 2.81%
Water Department Indirect	\$ 248,494		\$ 248,494	✓ 0.00%
TOTAL WATER DEPARTMENT	\$ 14,146,881	\$ 5,370,302	\$ 8,776,579	✗ 38.0%
Wastewater Salaries	\$ 3,089,104	\$ 933,650	\$ 2,155,454	✓ 30.22%
Wastewater Expenses	\$ 11,894,907	\$ 3,742,356	\$ 8,152,551	✓ 31.46%
Wastewater Capital	\$ 1,127,000	\$ 18,941	\$ 1,108,059	✓ 1.68%
Wastewater Indirect	\$ 698,442		\$ 698,442	✓ 0.00%
TOTAL WASTEWATER DEPARTMENT	\$ 16,809,453	\$ 4,694,947	\$ 12,114,506	✓ 27.9%

	FY '24 through 10/31/23	FY '25 through 10/31/24	FY '26 through 10/31/25	Trendline
TOTAL GENERAL GOVERNMENT	\$ 1,596,880	\$ 1,958,970	\$ 1,668,307	
TOTAL COMMUNITY & ECONOMIC DEVELOPMENT	\$ 621,388	\$ 696,250	\$ 701,081	
TOTAL PUBLIC SAFETY	\$ 8,574,103	\$ 9,397,171	\$ 10,117,219	
TOTAL EDUCATION	\$ 28,630,915	\$ 29,188,694	\$ 32,538,438	
TOTAL PUBLIC WORKS	\$ 3,079,760	\$ 2,977,890	\$ 2,677,169	
TOTAL HUMAN SERVICES	\$ 1,152,785	\$ 1,163,282	\$ 1,199,412	
TOTAL DEBT SERVICE	\$ 1,951,024	\$ 1,931,251	\$ 1,191,133	
TOTAL EMPLOYEE BENEFITS	\$ 26,034,388	\$ 27,680,260	\$ 29,267,765	
TOTAL OTHER CITY EXPENSES	\$ 3,770,244	\$ 4,018,773	\$ 4,183,703	
TOTAL CITY EXPENDITURES	\$ 75,411,487	\$ 79,012,541	\$ 83,544,225	
TOTAL WATER DEPARTMENT	\$ 5,029,592	\$ 5,048,050	\$ 5,370,302	
TOTAL WASTEWATER DEPARTMENT	\$ 4,635,912	\$ 4,612,614	\$ 4,694,947	

City of Haverhill
Revenue Report
Period Ending 10/31/25

Year to Year Comparison						
Revenue Source	10/31/2023	10/31/2024	10/31/2025	FY 25 to 26 % Change	FY 25 to 26 \$ Change	FY 24-26 Trendline
Real Estate & Pers Property	\$ 54,965,835	\$ 57,124,119	\$ 60,986,351	6.76%	↑ \$ 3,862,232	
Motor Vehicle Excise	\$ 1,088,423	\$ 1,326,300	\$ 1,127,662	-14.98%	↓ \$ (198,638)	
Meals Excise	\$ 329,591	\$ 342,160	\$ 332,983	-2.68%	↓ \$ (9,177)	
Hotel / Room Excise	\$ 95,288	\$ 94,694	\$ 100,600	6.24%	↑ \$ 5,906	
Boat & Other Excise	\$ 3,960	\$ 3,614	\$ 3,723	3.00%	↑ \$ 109	
Cannabis Excise	\$ 278,219	\$ 308,446	\$ 340,227	10.30%	↑ \$ 31,781	
Waste Disposal Facility Program	\$ 959,308	\$ 771,076	\$ 987,171	28.03%	↑ \$ 216,095	
PILOT	\$ 18,917	\$ 243,793	\$ 26,459	-89.15%	↓ \$ (217,334)	
Penalties & Interest	\$ 293,496	\$ 212,585	\$ 264,673	24.50%	↑ \$ 52,088	
Fees	\$ 270,366	\$ 330,701	\$ 360,306	8.95%	↑ \$ 29,605	
Rentals	\$ 121,746	\$ 95,135	\$ 43,606	-54.16%	↓ \$ (51,529)	
Departmental Revenue	\$ 369,713	\$ 392,240	\$ 135,224	-65.53%	↓ \$ (257,016)	
License & Permits	\$ 752,842	\$ 1,225,971	\$ 941,761	-23.18%	↓ \$ (284,210)	
Fines & Forefits	\$ 262,318	\$ 186,675	\$ 242,407	29.86%	↑ \$ 55,732	
Investments	\$ 707,015	\$ 988,766	\$ 1,607,009	62.53%	↑ \$ 618,243	
Medicaid Reimbursement	\$ 243,062	\$ 261,977	\$ 280,506	7.07%	↑ \$ 18,529	
*Misc Revenue	\$ 69,781	\$ 73,376	\$ 7,886	-89.25%	↓ \$ (65,490)	
Comm of MA Cherry Sheet	\$ 32,220,435	\$ 33,952,572	\$ 35,460,915	4.44%	↑ \$ 1,508,343	
Wastewater Enterprise Fund	\$ 4,363,459	\$ 4,849,599	\$ 4,724,841	-2.57%	↓ \$ (124,758)	
Water Enterprise Fund	\$ 3,547,104	\$ 3,952,893	\$ 4,448,993	12.55%	↑ \$ 496,100	
Other GF Rev - Trnsf From Sp Rev & Free Cash					→ \$ -	
Total	\$ 100,960,878	\$ 106,736,692	\$ 112,423,303	5.33%	↑ \$ 5,686,611	
Total without Enterprise Funds	\$ 93,050,315	\$ 97,934,200	\$ 103,249,468	5.43%	↑ \$ 5,315,268	
			5.43%			

City of Haverhill
Revenue Report
Period Ending 10/31/25

Collections as a Percent of Budget					
Revenue Source	FY 26 Estimated Revenue	FY 26 Actual Revenue Collections	\$ Surplus/ (Deficit)	YTD Benchmark	Actual Revenue Benchmark
Real Estate & Pers Property	\$ 140,323,000	\$ 60,986,351	\$ (79,336,649)	25%	43.5%
Motor Vehicle Excise	\$ 8,391,880	\$ 1,127,662	\$ (7,264,218)	17%	13.4%
Meals Excise	\$ 1,259,948	\$ 332,983	\$ (926,965)	25%	26.4%
Hotel / Room Excise	\$ 309,000	\$ 100,600	\$ (208,400)	25%	32.6%
Boat & Other Excise	\$ 9,476	\$ 3,723	\$ (5,753)	33%	39.3%
Cannabis Excise	\$ 1,133,040	\$ 340,227	\$ (792,813)	25%	30.0%
Waste Disposal Facility Program	\$ 2,740,175	\$ 987,171	\$ (1,753,004)	33%	36.0%
PILOT	\$ 274,189	\$ 26,459	\$ (247,730)	8%	9.6%
Penalties & Interest	\$ 742,361	\$ 264,673	\$ (477,688)	33%	35.7%
Fees	\$ 962,671	\$ 360,306	\$ (602,365)	33%	37.4%
Rentals	\$ 198,450	\$ 43,606	\$ (154,844)	33%	22.0%
Departmental Revenue	\$ 658,253	\$ 135,224	\$ (523,029)	33%	20.5%
License & Permits	\$ 2,522,301	\$ 941,761	\$ (1,580,540)	33%	37.3%
Fines & Forefits	\$ 628,275	\$ 242,407	\$ (385,868)	33%	38.6%
Investments	\$ 1,976,990	\$ 1,607,009	\$ (369,981)	33%	81.3%
Medicaid Reimbursement	\$ 735,000	\$ 280,506	\$ (454,494)	33%	38.2%
*Misc Revenue		\$ 7,886	\$ 7,886	33%	100.0%
Comm of MA Cherry Sheet	\$ 108,005,748	\$ 35,460,915	\$ (72,544,833)	33%	32.8%
Wastewater Enterprise Fund	\$ 16,809,453	\$ 4,724,841	\$ (12,084,612)	33%	28.1%
Water Enterprise Fund	\$ 14,146,881	\$ 4,448,993	\$ (9,697,888)	33%	31.4%
Other GF Rev - Trnsf From Sp Rev & Free Cash	\$ 6,250,867	\$ -	\$ (6,250,867)	0%	0.0%
Total	\$ 308,077,958	\$ 112,423,303	\$ (195,654,655)	28%	36.5%
Estimated General Fund Revenue	\$ 277,121,624	\$ 103,249,468	\$ (173,872,156)	28%	37.3%
Estimated Local Receipts	\$ 22,542,009	\$ 6,802,203	\$ (15,739,806)	26%	30.2%

9.1

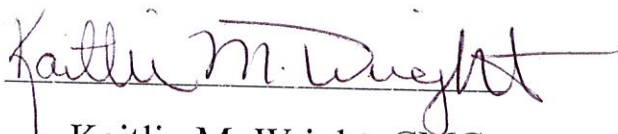
Document # 99-G

Petition from National Grid and Verizon, NE, WR# 31141221, requesting joint pole location on Haseltine St

IN CITY COUNCIL: October 21, 2025

11 YEAS, 0 NAYS, 0 ABSENT

HEARING SCHEDULED DECEMBER 2, 2025

Attest: 
Kaitlin M. Wright, CMC
City Clerk

nationalgrid

12.2

August 13, 2025

WR# 31141221 – Haseltine Street

To the City of Haverhill, Massachusetts

To Whom It May Concern:

Enclosed please find a petition for NATIONAL GRID and VERIZON, covering joint NATIONAL GRID-VERIZON pole location(s)

**WR# 31141221 – Haseltine Street
Relocate 1 JO pole – Pole 15
Haseltine Street and Winchester Street, Haverhill, MA**

If you have any questions regarding this permit, please contact:

Vcasna Eang (978) 995-4819 or vcasna.eang@nationalgrid.com

Please notify National Grid's Jennifer Iannalfo of the hearing date / time to
Jennifer.Iannalfo@nationalgrid.com

If this petition meets with your approval, please return an executed copy to each of the above-named Companies.

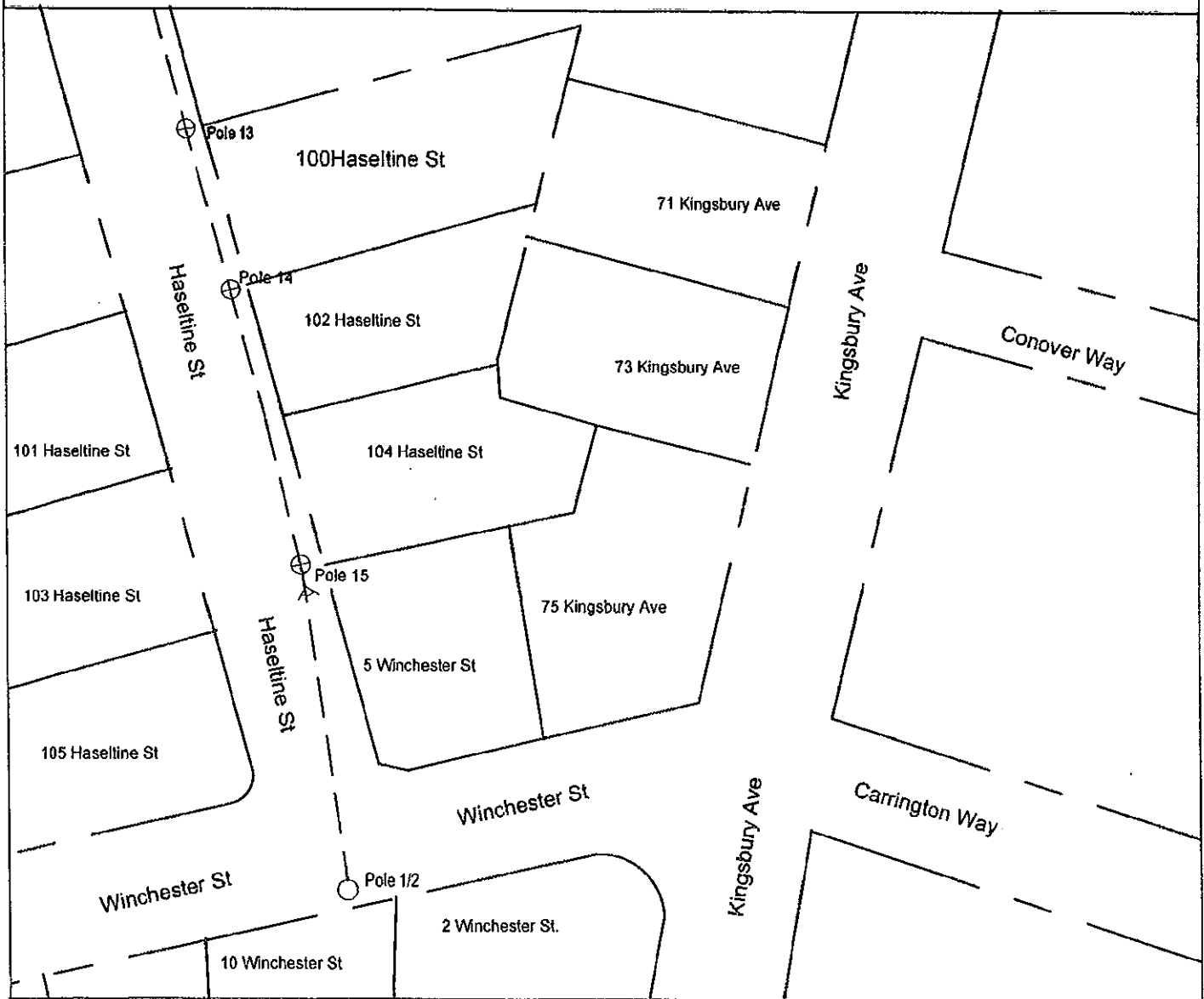
National Grid: Jennifer Iannalfo, 1101 Turnpike Street; North Andover, MA 01845
978-725-2308.

Very truly yours,

Dave Johnson

Dave Johnson
Supervisor, Distribution Design

Enclosures



JOINT OWNED POLE PETITION

➤ New J.O. Sidewalk Anchor Guy and Anchor Guy Wire

⊕ Existing J.O. Pole Locations

Nationalgrid to remove tree guy at pole 15 and install new sidewalk guy 5' south of pole 15.

DISTANCES ARE APPROXIMATE

nationalgrid
And
Verizon New England, Inc.

Date: 4/30/2025

Work Request Number: 31141221

To Accompany Petition Dated:

To The: City Of Haverhill, MA

For Proposed: Sidewalk Anchor Guy Pole:15 Location: Haseltine St.

WR# 31141221 – Haseltine Street

I hereby certify that the foregoing order was adopted at a meeting of the
Of the City/Town of _____, Massachusetts held on the _____ day of _____ 20 ____.

City/Town Clerk.
20 ____
Massachusetts
Received and entered in the records of location orders of the City/Town of _____
Book _____ Page _____

Attest:
City/Town Clerk

I hereby certify that on _____ 20 ____, at _____ o'clock, M
At _____ a public hearing was held on the petition of
Massachusetts Electric Company d/b/a NATIONAL GRID and VERIZON NEW ENGLAND,
INC. for permission to erect the poles, wires, and fixtures described in the order herewith recorded,
and that we mailed 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 erect
Poles, wires, and fixtures under said order. And that thereupon said order was duly adopted.

City/Town Clerk.

.....
.....
.....
.....

Board or Council of Town or City, Massachusetts

CERTIFICATE

I hereby certify that the foregoing is a true copy of the location order and certificate of
hearing with notice adopted by the _____ of the City of _____
Massachusetts, on the _____ day of 20 ____ and recorded with the records of location
orders of the said City, Book _____, and Page _____. This certified copy is made under
the provisions of Chapter 166 of General Laws and any additions thereto or amendments thereof.

Attest:
City/Town Clerk

739-1-39	739-1-40A	739-1-41
BLANCHARD DAVID M ETAL	McWHORTER JOAN E-ETUX	SORDELLO PAUL A
100 HASELTINE ST	102 HASELTINE ST	104 HASELTINE ST
BRADFORD, MA 01835	BRADFORD, MA 01835	BRADFORD, MA 01835
739-1-41A	739-2-15	739-2-16
THE GALLAGHER BOISVERT FAMILY TRUST	TAVERAS PATRICIA OGANDO-ETAL	GRIFFIN WALTER J JR-ETUX
5 WINCHESTER ST	97-99 HASELTINE ST	101 HASELTINE ST
BRADFORD, MA 01835	HAVERHILL, MA 01835	BRADFORD, MA 01835
739-2-17	739-2-18	739-4-21
SILVANO MARK G ETUX	BOLAND JOSEPH J JR	MARLAND RONALD C-ETUX
103 HASELTINE STREET	105 HASELTINE ST	10 WINCHESTER STREET
BRADFORD, MA 01835	BRADFORD, MA 01835	BRADFORD, MA 01835
739-4-24		
HOOVEN IV WILBUR T-ETUX		
2 WINCHESTER ST		
BRADFORD, MA 01835		



Haverhill

City Clerk's Office, Room 118
Phone: 978-374-2312 Fax: 978-373-8490
cityclerk@haverhillma.gov

Date: October 20, 2025

TO: Abutters/Interested Parties.....

Notice is hereby given under MGL, Ch. 166 and amendments thereto, of the application to the City Council of...Mass Electric, National Grid of North Andover and Verizon New England, inc. for joint pole location on

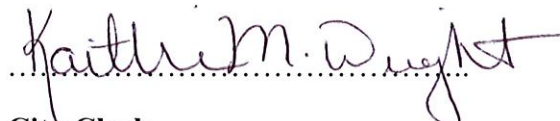
...Haseltine Street and Winchester St Plan WR# 31141221

...Questions: Veasna Eang (978)995-4819 or Veasna.Eang@nationalgrid.com

Hearing will be held in City Council Chambers, City Hall, Room 202, 4 Summer st

Tuesday, December 2, 2025 at 7 o'clock P.M.. for the company(s) and all parties interested in said application.

By order of the City Council


.....
City Clerk

Residents who are interested in commenting on this hearing can either (1) attend in person (City Council Chambers, Room 202) or (2) Attend remotely using the link provided on the public meeting calendar on the City's website.)

10-1

Kaitlin Wright

From: Lisa Mead <lisa@mtclawyers.com>
Sent: Wednesday, November 19, 2025 1:51 PM
To: Kaitlin Wright; Thomas J Sullivan, Esq.; Thomas J. Sullivan
Cc: William Pillsbury; Mayor; Lori Robertson; Christine Lindberg; Natalia Hernandez; Jacki Byerley
Subject: RE: BESS Zoning Hearing

Warning! External Email. Exercise caution when opening attachments or clicking on any links.

The 14th please

13th

Lisa L. Mead

[she/her/hers]



Mead, Talerman & Costa LLC

30 Green St

Newburyport MA 01950

978 463 7700 ext 101

978 463 7747 (fax)

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If you have received the above transmittal in error, please delete the message and any attachment(s) hereto from your e-mail system and notify us immediately. *Please consider the environment before printing this email.*



♻️ Think before you print.

From: Kaitlin Wright <kwright@haverhillma.gov>
Sent: Wednesday, November 19, 2025 12:53 PM
To: Thomas J Sullivan, Esq. <tsullivan@dlgclosing.com>; Lisa Mead <lisa@mtclawyers.com>; Thomas J. Sullivan <tsullivan@haverhillma.gov>
Cc: William Pillsbury <wpillsbury@haverhillma.gov>; Mayor <mayor@haverhillma.gov>; Lori Robertson <lrobertson@haverhillma.gov>; Christine Lindberg <clindberg@haverhillma.gov>; Natalia Hernandez

Document # 5 - B

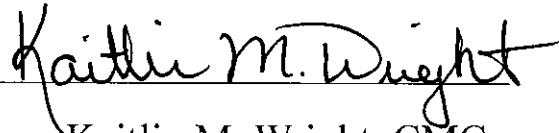
William Pillsbury, *Economic Development and Planning Director*, requests Zoning Amendment
- Battery Energy Storage Systems

Continued from August 5, 2025

IN CITY COUNCIL: SEPTEMBER 30, 2025

**COUNCIL VOTED TO CONTINUED TO DECEMBER 2, 2025
MEETING**

10 YEAS, 0 NAYS, 1 ABSENT, 0 ABSTENTATION

Attest: 
Kaitlin M. Wright, CMC
City Clerk



Hearing March 18, 2025
Haverhill

Economic Development and Planning
Phone: 978-374-2330 Fax: 978-374-2315
wpillsbury@HaverhillMA.gov

DATE: January 7, 2025

MEMO TO: City Council President Thomas Sullivan and members of the Haverhill City Council

FROM: William Pillsbury, Economic Development and Planning Director

RE: Zoning Amendment- Battery Energy Storage Systems

Attached please find a proposed zoning ordinance amendment prepared by City Solicitor Lisa Mead. The proposed amendment creates a regulatory framework and necessary tools for detailed and thorough review of any applications filed to create Battery storage facilities.

I request that the council refer the proposed ordinance to the planning board for a hearing to be held on February 12, 2025, and also schedule a hearing before the council on the proposed amendment shortly thereafter.

Thank you for your attention to this matter.

RECOMMENDATION: Refer the proposed amendment to the Planning BOARD FOR A HEARING ON FEBRUARY 12, 2025 and schedule a hearing on the city council agenda shortly thereafter.

IN CITY COUNCIL: January 7 2025
REFER TO PLANNING BOARD AND VOTED THAT
COUNCIL HEARING BE HELD MARCH 18 2025

Attest: Kathie M. Wright City Clerk

IN CITY COUNCIL: March 18 2025
HEARING CONTINUED TO APRIL 29 2025

Attest: Kathie M. Wright City Clerk

IN CITY COUNCIL: April 29 2025
HEARING CONTINUED TO JUNE 3 2025

Attest: Kathie M. Wright City Clerk

IN CITY COUNCIL: June 3 2025
REQUEST TO CONTINUE BY CITY SOLICITOR TO JULY 8 2025

4 Summer Street—Room 201, Haverhill, MA 01830 www.cityofhaverhill.com

Attest: Kathie M. Wright City Clerk

IN CITY COUNCIL: July 8 2025
REQUEST TO CONTINUE TO AUGUST 5 2025
Attest: .

Kathie M. Wright City Clerk

IN CITY COUNCIL: August 5 2025
CONTINUE TO SEPTEMBER 30, 2025

Attest: Kathie M. Wright City Clerk

Kaitlin Wright

From: Lisa Mead <lisa@mtclawyers.com>
Sent: Wednesday, September 24, 2025 4:56 PM
To: Kaitlin Wright; Thomas J Sullivan, Esq.
Cc: William Pillsbury; Mayor; Lori Robertson
Subject: RE: BESS Zoning Hearing

Warning! External Email. Exercise caution when opening attachments or clicking on any links.

This will need to be continued to the first meeting in December. I believe that is what we discussed Mayor, correct?

Lisa

Lisa L. Mead

[she/her/hers]



Mead, Talerman & Costa LLC

30 Green St

Newburyport MA 01950

978 463 7700 ext 101

978 463 7747 (fax)

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 Think before you print.

From: Kaitlin Wright <kwright@haverhillma.gov>
Sent: Wednesday, September 24, 2025 4:39 PM
To: Lisa Mead <lisa@mtclawyers.com>; Thomas J Sullivan, Esq. <tsullivan@dlgclosing.com>
Cc: William Pillsbury <wpillsbury@haverhillma.gov>; Mayor <mayor@haverhillma.gov>; Lori Robertson

Kaitlin Wright

From: Lisa Mead <lisa@mtclawyers.com>
Sent: Thursday, July 31, 2025 4:48 PM
To: Thomas J Sullivan, Esq.
Cc: Kaitlin Wright; William Pillsbury; Mayor; Lori Robertson
Subject: RE: BESS Zoning Hearing

Warning! External Email. Exercise caution when opening attachments or clicking on any links.

Go to the last meeting in September.

Lisa L. Mead

[she/her/hers]



Mead, Talerman & Costa LLC

30 Green St

Newburyport MA 01950

978 463 7700 ext 101

978 463 7747 (fax)

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Think before you print.

From: Thomas J Sullivan, Esq. <tsullivan@dlgclosing.com>
Sent: Thursday, July 31, 2025 4:31 PM
To: Lisa Mead <lisa@mtclawyers.com>
Cc: Kaitlin Wright <kwright@haverhillma.gov>; William Pillsbury <wpillsbury@haverhillma.gov>; Mayor <mayor@haverhillma.gov>; Lori Robertson <lrobertson@haverhillma.gov>
Subject: Re: BESS Zoning Hearing

Kaitlin Wright

10.2

From: Thomas J Sullivan, Esq. <tsullivan@dlgclosing.com>
Sent: Thursday, July 3, 2025 11:29 AM
To: Lisa Mead; Kaitlin Wright; William Pillsbury
Cc: Mayor; Lori Robertson
Subject: RE: BESS Zoning Hearing

Warning! External Email. Exercise caution when opening attachments or clicking on any links.

Hi,

Let's continue until the first meeting in August please.

TY!

August 5, 2025

Tom

Thomas J. Sullivan, Esq.
Downey Law Group, LLC
tsullivan@dlgclosing.com

Main Office and Mailing Address:
462 Boston Street
Topsfield, MA 01983
Phone: (978) 887-1000
Fax: (978) 887-1021



Satellite Office:
345 Main Street
Haverhill, MA 01830
Phone: 978-373-2200

From: Lisa Mead <lisa@mtclawyers.com>
Sent: Thursday, July 3, 2025 11:25 AM
To: Kaitlin Wright <kwright@haverhillma.gov>; Thomas J Sullivan, Esq. <tsullivan@dlgclosing.com>; William Pillsbury <wpillsbury@haverhillma.gov>
Cc: Mayor <mayor@haverhillma.gov>; Lori Robertson <lrobertson@haverhillma.gov>
Subject: RE: BESS Zoning Hearing

Please continue it again, we are waiting to hear from the developer. I would take it out a month.

Lisa L. Mead

[she/her/hers]

Kaitlin Wright

From: Lisa Mead <lisa@mtclawyers.com>
Sent: Sunday, June 1, 2025 7:22 PM
To: Thomas J Sullivan, Esq.; Thomas J. Sullivan; Kaitlin Wright
Cc: William Pillsbury; Mayor
Subject: BESS Zoning

Warning! External Email. Exercise caution when opening attachments or clicking on any links.

Tom,

Please continue this public hearing to your first meeting in July. We are waiting to hear back from the developers.

Thank you,

Lisa

Lisa L. Mead

[she/her/hers]



Mead, Talerman & Costa LLC

30 Green St

Newburyport MA 01950

978 463 7700 ext 101

978 463 7747 (fax)

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Think before you print.

Kaitlin Wright

From: William Pillsbury
Sent: Monday, April 28, 2025 11:30 AM
To: Kaitlin Wright
Cc: Mayor; Lori Robertson; Lisa Mead
Subject: Request to postpone Zoning hearing on Battery Storage

Hi Kaitlin: At the request of City Solicitor Lisa Mead after discussion with President Sullivan, please accept this request to postpone the hearing on the Battery Energy Storage Systems (BESS) to the meeting of June 3rd. Thanks for your attention to this matter.

William Pillsbury
Economic Development and Planning Director

APR 28 AM 11:31
HAWCITYCLERK

✓
#4

Maria Bevilacqua

10.2.1.4

To: HGLegals@hgazette.com
Cc: Kaitlin Wright
Subject: Hearing - Zoning Amendment-add new section 7.9 Battery Energy Storage Systems
Attachments: Hearing Zoning 2025 - Add new section 7.9 Battery Energy Storage Systems-Gazette Feb 20 & 27 2025.docx

Afternoon:

Please run this Hearing ad 2 times in the Gazette – Feb 20 & 27, 2025. Hearing Zoning Amendment – add a new section 7.9 Battery Energy Storage Systems.

Questions - please contact me at 978-420-3624.

Thank you!

Maria Bevilacqua

City Clerk's Office
Room 118
4 Summer st
Haverhill, MA 01830



Haverhill

City Clerk's Office, Room 118
Phone: 978-420-3623 Fax: 978-373-8490
cityclerk@cityofhaverhill.com

January 7, 2025

HYBRID HEARING

City Council Chambers, City Hall, Room 202, 4 Summer st

Notice is hereby given that a hearing will be held for all parties interested, in a hybrid meeting (virtual/in person), on Tuesday, March 18, 2025 at 7:00 pm on a request from Economic Development and Planning Director, William Pillsbury, for a Zoning Amendment – add a new section 7.9 Battery Energy Storage Systems
REFER TO PLANNING BOARD AND
COUNCIL HEARING MARCH 18, 2025

(Residents who are interested in commenting on this item can either (1) Attend in person (Council Chambers, Room 202) or (2) Attend remotely using the link provided on the public meeting calendar on the City's website)

Description of area, maps and plans are on file in the City Clerk's Office.

Advertise: February 20 & February 27, 2025
Haverhill Gazette

Kaitlin M Wright
City Clerk



DOCUMENT 5-B

1012

CITY OF HAVERHILL

In Municipal Council January 7 2025

~~ORDERED~~XXX MUNICIPAL ORDINANCE CHAPTER
An Ordinance re: Zoning - Add new section 7.9 Battery Storage Systems

Since this Ordinance exceeds in length eight octavo pages of ordinary book print, in lieu of advertising, it is published by the City Council in a municipal bulletin placed on file in the City Clerk's Office and posted on the municipal bulletin in City Hall.

5-B

PLACED ON FILE for at least 10 days

Attest;

Kaitlin M. Wright City Clerk

Maria Bevilacqua

Hearing!

From: North of Boston <noreply@wave2adportal.com>
Sent: Friday, January 10, 2025 4:16 PM
To: Maria Bevilacqua; Maria Bevilacqua
Subject: Thank you for placing your order with us.
Attachments: W01296210.pdf

Warning! External Email. Exercise caution when opening attachments or clicking on any links.

THANK YOU for your notice submission!

This is your confirmation that your order has been submitted. Below are the details of your transaction. Please save this confirmation for your records.

Job Details

Order Number:
W0129621
Business Type:
All Other Public Notices
Notice Size:
Public Notices
Notice Estimate:
\$184.62
Referral Code:

7.9 Battery Energy Storage

Account Details

Haverhill Clerk
4 SUMMER ST STE 118
HAVERHILL, MA 01830
978-374-2312
cityclerk@cityofhaverhill.com
HAVERHILL CITY CLERK

Schedule for notice number W01296210

Thu Feb 20, 2025
Haverhill Gazette Public Notices
All Zones

Thu Feb 27, 2025
Haverhill Gazette Public Notices
All Zones

HYBRID HEARING

City Council Chambers, City Hall, Room 202, 4 Summer st
Notice is hereby given that a hearing will be held for all parties interested, in a hybrid meeting (virtual/in person), on Tuesday, March 18, 2025 at 7:00 pm on a request from Economic Development and Planning Director, William Pillsbury, for a Zoning Amendment – Mixed Use
REFER TO PLANNING BOARD AND COUNCIL HEARING MARCH 18, 2025
(Residents who are interested in commenting on this item can either (1) Attend in person (Council Chambers, Room 202) or (2) Attend remotely using the link provided on the public meeting calendar on the City's website)
Description of area, maps and plans are on file in the City Clerk's Office.

Kaitlin M Wright
City Clerk

HG - Publication Dates

The North of Boston Media Group is not responsible for any false, inaccurate or omitted notices.

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This is an automated message, please do not reply to this e-mail. If you have any questions or concerns you may contact us toll-free at 800-681-6248.

Maria Bevilacqua

From: CMacDonald@salemnews.com on behalf of HGLegals@hgazette.com
Sent: Friday, January 10, 2025 4:15 PM
To: Maria Bevilacqua
Cc: Maria Bevilacqua
Subject: Re: Hearing - Zoning Amendment-add new section 7.9 Battery Energy Storage Systems

Thank you for your email. This notice has been placed through our online legal notice portal. The confirmation has been emailed to you with the proof copy, print date, and cost. An invoice will be sent at the end of the month.

Please let us know if you need any changes or if you have not received the confirmation email.

Cordially,
Christa MacDonald
Haverhill Gazette
North of Boston Media Group
978-946-2157
100 Turnpike St.
North Andover, MA 01845

•Emails received after **3:00 p.m.** will not be processed until the following business day. This includes both requests for changes and new orders. For urgent matters please contact our Legal Advertising Manager, Christa MacDonald, at cmacdonald@northofboston.com

•Please review your proof promptly. If no changes are requested, the notice will print as shown.

•To our pre-pay customers -- payment will be required before publication.

From: "Maria Bevilacqua" <maria@haverhillma.gov>
To: "HGLegals@hgazette.com" <HGLegals@hgazette.com>
Cc: "Kaitlin Wright" <kwright@haverhillma.gov>
Date: 01/07/2025 03:14 PM
Subject: Hearing - Zoning Amendment-add new section 7.9 Battery Energy Storage Systems

Afternoon:

Please run this Hearing ad 2 times in the Gazette – Feb 20 & 27, 2025. Hearing Zoning Amendment – add a new section 7.9 Battery Energy Storage Systems.

Questions - please contact me at 978-420-3624.

Thank you!

Maria Bevilacqua

Ordinance

From: North of Boston <noreply@wave2adportal.com>
Sent: Friday, January 10, 2025 3:59 PM
To: Maria Bevilacqua; Kaitlin Wright
Subject: Thank you for placing your order with us.
Attachments: W01296150.pdf

Warning! External Email. Exercise caution when opening attachments or clicking on any links.

THANK YOU for your notice submission!

This is your confirmation that your order has been submitted. Below are the details of your transaction. Please save this confirmation for your records.

Job Details

Order Number:
W0129615
Business Type:
All Other Public Notices
Notice Size:
Public Notices
Notice Estimate:
\$46.15
Referral Code:
Zoning Ordinance Battery Storage Systems

Account Details

Haverhill Clerk
4 SUMMER ST STE 118
HAVERHILL, MA 01830
978-374-2312
cityclerk@cityofhaverhill.com
HAVERHILL CITY CLERK

Schedule for notice number W01296150

Thu Feb 20, 2025
Haverhill Gazette Public Notices
All Zones

CITY OF HAVERHILL
In Municipal Council
Municipal Ordinance Chapter
An Ordinance re: Zoning - Add new
section 7.9 Battery Storage Systems
Since this Ordinance exceeds in
length eight octavo pages of ordi-
nary book print, in lieu of advertis-
ing, it is published by the City Coun-
cil in a municipal bulletin placed on
file in the City Clerk's Office and
posted on the municipal bulletin in
City Hall.
PLACED ON FILE for at least 10
days
Attest: Kaitlin M Wright City Clerk
HG - February 20 2025

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This is an automated message, please do not reply to this e-mail. If you have any questions or concerns you may contact us toll-free at 800-681-6248.

Maria Bevilacqua

City Clerk's Office

Room 118

4 Summer st

Haverhill, MA 01830[attachment "Hearing Zoning 2025 - Add new section 7.9 Battery Energy Storage Systems-Gazette Feb 20 & 27 2025.docx" deleted by Christa MacDonald/NOB]

Document # 5-B

Ordinance re: Zoning - Add a new section 7.9 Battery Energy Storage Systems

filed January 9, 2025

IN CITY COUNCIL: SEPTEMBER 30, 2025

CONTINUED TO DEC 2, 2025

9 YEAS, 0 NAYS, 1 ABSENT, 1 ABSTENTATION

Attest: Kaitlin M. Wright
Kaitlin M. Wright, CMC
City Clerk

Approved: Melinda E. Barrett
Melinda E. Barrett, Mayor

MUNICIPAL ORDINANCE CHAPTER 255 Zoning

**AN ORDINANCE RELATING TO AMENDING CHAPTER 255, ZONING BY ADDING A NEW
SECTION 7.9 BATTERY ENERGY STORAGE SYSTEMS**

BE IT ORDAINED by the City Council of the City of Haverhill that Chapter 255, Zoning, of the Code of the City of Haverhill, as amended, being and is hereby further amended as follows by inserting the following new section 7.9 entitled "Battery Energy Storage Systems";

§7.9 BATTERY ENERGY STORAGE SYSTEMS

§7.9.1. Purpose.

The purpose of this Section is to advance and protect the public health, safety, welfare, and quality of life by creating regulations for the installation and use of free-standing battery energy storage systems ("BESS"), with the following objectives:

- A. To provide a regulatory scheme for the location, construction and operation of free-standing BESS consistent with best practices and safety protocols;
- B. To ensure compatible land uses in the vicinity of the areas affected by BESS and to mitigate any potential impacts on abutting and nearby properties; and
- C. To mitigate the impacts of BESS on environmental resources such as agricultural lands, forests, wildlife, wetlands and other natural resources.

This Section shall be construed to be consistent with state law, including but not limited to the provisions of General Laws chapter 40A, section 3, and state regulations, including but not limited to the provisions of the State Building Code, State Fire Code, and State Electrical Code. In the event of any conflict between the provisions of this section and the provisions of state law or regulations, the state law and regulations shall prevail.

7.9.2. Definitions.

See "battery energy storage systems" in Section 11.0

7.9.3 Applicability.

- A. The requirements of this ordinance shall apply to BESS permitted, installed, decommissioned or modified after the effective date of this ordinance, excluding general maintenance and repair. BESS subject to this ordinance are only those that exceed the following capacities:

5-B

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- Lead-acid with a capacity of greater than 70 kW
- Nickel with a capacity of greater than 70 kW
- Lithium-ion with a capacity of greater than 30 kW
- Sodium nickel chloride with a capacity of greater than 20 kW
- Flow with a capacity of greater than 20 kW
- Other battery technologies with a capacity of greater than 20 kW

B. Only BESS that meet the criteria herein shall be permitted under this ordinance. BESS permitted under and subject to this ordinance shall be classified either as a Tier 1, Tier 2 or Tier 3 BESS as set forth herein. All sizes noted in this section shall include the total capacity of the proposed facility and not refer solely as a limitation on total export. For avoidance of doubt, a proposed system which has an export capacity of 50 MW but has a total storage or redundancy capacity of 100 MW shall be treated as a 100 MW system.

1. Tier 1 BESS have an aggregate capacity less than or equal to 500 kW, derive 51% or more of their power from Solar Energy Systems as defined herein, and, if in a room or enclosed area, consist of only a single energy storage system technology.
2. Tier 2 BESS consist of those which meet one or more of the following criteria;
 - a. have an aggregate energy capacity greater than 500kW and less than 5 MW, but no greater than 5 MW;
 - b. are comprised of more than one storage battery facility in a room or enclosed area;
 - c. derive less than 51% of their power from Solar Energy Systems as defined herein.
3. Tier 3 BESS consist of those which meet one or more of the following criteria;
 - a. have an aggregate capacity greater than 5 MW, but no greater than 200MW;
 - b. are comprised of more than one storage battery facility in a room or enclosed area;
 - c. derive less than 51% of their power from Solar Energy Systems as defined herein.

§ 7.9.4. General Requirements

- A. All permits required by state codes, including but not limited to building permit, an electrical permit, and a fire department permit shall be required for installation of all BESS.
- B. All BESS, all Dedicated Use Buildings, and all other buildings or structures that (a) contain or are otherwise associated with a battery energy storage system; and (b) subject to the requirements of the State Building Code, shall be designed, erected, and installed in accordance with all applicable provisions of the State Building Code

5-B
780 CMR, State Fire Code 527 CMR 1.00, and State Electrical Code 527 CMR 12.00. All BESS shall comply with NFPA 855, Standard for the Installation of Stationary Energy Storage Systems.

- C. Energy storage system capacities, including array capacity and separation, are limited to the thresholds contained in NFPA 855.

§ 7.9.5. Permitting Requirements for Tier 1 BESS

Tier 1 BESS are allowed by right in all zoning districts, subject to applicable provisions of the State Building Code, Electrical Code, Fire Code, and other applicable codes, and are subject to site plan review in accordance with section 10.8 hereof and such provisions of this ordinance as are applicable.

Tier 1 BESS and appurtenances shall be prohibited in the Zone A and Zone 1 public water supply protection areas.

§ 7.9.6. Permitting Requirements for Tier 1, Tier 2 and Tier 3 BESS

§ 7.9.6.1 Special Permit Required. Tier 2 and Tier 3 BESS subject to this ordinance require the issuance of a Special Permit in those zoning districts identified in Appendix A, Table 1, and are subject to Major Site Plan Review pursuant to Section 10.8. Tier 2 and Tier 3 BESS shall comply with the applicable requirements set forth in this ordinance including the General Special Permit Criteria set forth in section 10.4.2, as well as this Section 7.9, and the Haverhill General Ordinances. The City Council shall be the Special Permit Granting Authority ("SPGA"). The Applicant shall be required to submit all materials required in accordance with the SPGA Rules and Regulations, in addition to any other materials necessary or as may be required in order to support that the Application meets the Design Requirements set forth in section 7.9.6.2 herein.

§ 7.9.6.1.1 Development Review Required As Part of Hearing Process: For the purpose of a Special Permit filed hereunder, the Applicant shall be required to submit a complete application for a Special Permit in accordance with the Requirements hereunder. Following the opening of the Public Hearing by the SPGA, the Application shall be referred to the Development Review Committee as set forth in §10.1.4 hereof. The Development Review Committee shall meet with the Applicant who shall be required to provide any additional information as the Committee may reasonably request and the Development Review Committee shall provide the SPGA with its recommendations within ninety (90) days of the date upon which the application was thereto referred.

§ 7.9.6.1.2 Prohibitions: Notwithstanding the foregoing, Tier 2 and Tier 3 BESS and appurtenances shall be prohibited in the Zone A and Zone I public water supply protection areas.

§ 7.9.6.2 Design Requirements. The following requirements apply to all BESS subject to this ordinance, except where it is specifically noted to apply only to Tier 2 or Tier 3 BESS:

- A. Site Plan Drawings. The Applicant shall provide a full set of Site Drawings stamped by a Massachusetts Registered Professional Engineer inclusive of items set forth in section 7.9.7.K.1 hereof.

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- B. Utility Lines and Electrical Circuitry. All on-site utility lines shall be placed underground to the extent feasible and as permitted by the serving utility, with the exception of the main service connection at the utility company right-of-way and any new interconnection equipment, including without limitation any poles.
- C. Signage. Signage shall comply with the requirements of Section 6.2 of this Zoning Ordinance and the following additional requirements; in the event of a conflict between the provisions of Section 6.2 and this section, the requirements of this section shall control.
1. The signage shall be in compliance with ANSI Z535 and shall include the type of technology associated with the BESS, any special hazards associated, the type of suppression system installed in the area of BESS, and 24-hour emergency contact information, including reach-back phone number.
 2. As required by the state electrical code, disconnect and other emergency shutoff information shall be clearly displayed on a light reflective surface. A clearly visible warning sign concerning voltage shall be placed at the base of all pad-mounted transformers and substations.
 3. Signage compliant with ANSI Z535 shall be provided on doors to rooms, entrances to BESS facilities, and on BESS outdoor containers.
- D. Lighting. Lighting of the BESS shall be limited to that minimally required for safety, security and operational purposes, shall be shielded from abutting properties, shall be directed downward, shall incorporate full cut-off fixtures to reduce light pollution and shall otherwise be consistent with local, state and federal law. A photometric plan shall be required.
- E. Vegetation and tree cutting. Areas within ten feet on each side of Tier 2 and Tier 3 BESS shall be cleared of combustible vegetation and other combustible growth. Single specimens of trees, shrubbery, or cultivated ground cover such as green grass, ivy, succulents, or similar plants used as ground covers shall be permitted provided that they do not form a means of readily transmitting fire. Removal of trees should be minimized to the extent possible. No tree or vegetation clearing shall be permitted within the Setbacks as noted below except for the purposes of the area of ingress and egress to the site. Vegetation control in the Water Supply Protection Overlay District (WSPOD) shall be by mowing or other mechanical means. The use of synthetic pesticides, herbicides, and fertilizers shall be prohibited for BESS facilities within the WSPOD.
- F. Setbacks. Tier 2 and Tier 3 BESS shall be set back a minimum of 50 yards from all side, rear, and front lot lines; except that Tier 2 and Tier 3 BESS shall be set back a minimum of 100 yards from side, rear, and front lot lines that abut or are across a street from residential zoning districts or existing single, two-family, or multi-family structures. The minimum setback areas shall include a Buffer Area at least fifty feet wide along all property lines. Access drives and parking are allowed in the setback areas, except emergency access as noted below, but shall not intrude into the required setback areas except where necessary to provide access or egress to the property. In addition, a minimum of 50 feet must be maintained between BESS components and all buildings, stored combustible materials, hazardous materials, high-piled storage, personnel means of egress, and other exposure hazards not associated with electrical grid infrastructure.
- G. Emergency Access: There shall be a 60-foot-wide paved emergency access road around the

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complete perimeter of the facility but inside the required setback area which may not exceed a 7% grade at any time. Ongoing maintenance of the access road including snow removal after 3 inches of snow shall be included as part of the Operations and Maintenance Plan required herein.

- H. Lot Size. The minimum lot size for Tier 1 BESS shall not be less than 1 acre. The minimum lot size for a Tier 2 BESS shall be not less than 10 acres and the minimum lot size for a Tier 3 BESS shall be no less than 20.
- I. Dimensional. All BESS shall comply with the dimensional limitations for principal structures of the underlying zoning district as provided in Appendix B, Table 2, of this Zoning Ordinance, unless otherwise provided in this ordinance. No BESS shall exceed 15 feet in height and there shall be no vertical stacking of BESS units.
- J. Fencing Requirements. Tier 2 and Tier 3 BESS, including all mechanical equipment, shall be enclosed by a minimum eight-foot high fence with a self-locking gate to prevent unauthorized access unless housed in a dedicated-use building. All gates shall accommodate a knox box or other accessible means to allow access to public safety personnel. Security barriers, fences, landscaping, and other enclosures must not inhibit required air flow to or exhaust from the BESS and components. Electrical equipment greater than 1,000V require a separate and additional means to restrict access. NFPA 855 requires specialty safety systems to be provided based on the BESS chemistry and installed location.
- K. Screening and Visibility. Tier 2 and Tier 3 BESS shall have views minimized from adjacent properties to the extent reasonably practicable using architectural features, earth berms, landscaping, or other screening methods that will harmonize with the character of the property and surrounding area. Such features may not inhibit required air flow to or exhaust from the BESS and components and must comply with the setbacks established in paragraph G above.
- L. Failure Protection. All Tier 2 and Tier 3 BESS shall include an impenetrable layer beneath the surface and no closer than four (4) feet to the closest water table which will cause any discharge to flow into a basin located on site which will then capture and/or treat any runoff as a result of a failed battery or fire or other destruction. The Application shall include details of the proposed catchment system along with a detailed stormwater report and stamped detailed engineering plans from a Massachusetts Registered Professional Engineer depicting the stormwater system. All BESS facilities located within the WSPOD shall have full containment to capture all releases, either intentionally from maintenance or accidental in nature. Release and runoff shall not be allowed.
- M. Batteries. Failed battery cells and modules shall not be stored on the site and shall be removed no later than 30 days after deemed failed by the BESS operator or cell/module manufacturer. The operator shall notify the Haverhill Fire Chief in advance if the type of battery or batteries used onsite is to be changed. All failed battery cells and modules shall not be stored outdoors and must be protected from further damage and potential release of contaminants to the environment.
- N. Storage. No equipment or hazardous materials, in liquid, dry, or gas form, shall be stored onsite of the BESS other than those items in quantities necessary for the proper operation of the facility. Any storage for materials deemed necessary shall be properly labeled, covered and contained to protect from release to the environment.

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- O. Acoustical Impacts. No system shall cause an increase in acoustical levels over ambient at the Property line. An acoustical study prepared by a Massachusetts Registered Acoustical Engineer shall be provided.
- P. Water Source. A municipal water source shall be provided including a FDC within 100 feet before the entrance to the Hazard Area on the Property. The Applicant shall present evidence including a hydraulic analysis in accordance to the City standard to support that there is adequate volume and pressure for fire suppression on the Property and not have a detrimental impact on the surrounding neighborhood. The applicant shall be required to make any related offsite improvement to achieve the required standard to alleviate any impact on the adjacent users.
- Q. Decommissioning Plan. The applicant shall submit with its application a decommissioning plan for all BESS to be implemented upon abandonment and/or in conjunction with removal of the facility. The owner or operator of the BESS shall notify the Building Commissioner in writing at least twenty days prior to when a BESS will be decommissioned. Decommissioning of an abandoned or discontinued BESS shall be completed within six months after the facility ceases operation. The decommissioning plan shall include:
1. A narrative description of the activities to be accomplished, including who will perform that activity and at what point in time, for complete physical removal of all BESS components, structures, equipment, security barriers, and transmission lines from the site;
 2. Disposal of all solid and hazardous waste in accordance with local, state, and federal waste disposal regulations;
 3. The anticipated life of the BESS;
 4. The estimated decommissioning costs and how said estimate was determined, including an allowance for annual cost of living increases or increases due to inflation;
 5. The method of ensuring that funds will be available for decommissioning and restoration;
 6. The method by which the decommissioning cost will be kept current;
 7. The manner in which the site will be restored, including a description of how any changes to the surrounding areas and other systems adjacent to the BESS, such as, but not limited to, structural elements, building penetrations, means of egress, and required fire detection suppression systems, will be protected during decommissioning and confirmed as being acceptable after the system is removed; and
 8. A listing of any contingencies for removing an intact operational energy storage system from service, and for removing an energy storage system from service that has been damaged by a fire or other event.
- R. Decommissioning Fund. The owner and/or operator of the energy storage system, shall

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continuously maintain a fund or other surety acceptable to the City, in a form approved by the City Council and City Solicitor, for the removal of the BESS, in an amount to be determined by the City, and which includes the City as loss payee, for the period of the life of the facility. All costs of the financial security shall be borne by the Applicant.

- S. Proof of Liability Insurance. The applicant or property owner shall provide evidence of commercial liability insurance in an amount and type generally acceptable in the industry and approved by the Planning Board prior to the issuance of a building permit, and shall continue such insurance in effect until such facility has been decommissioned, removed, and the site restored in accordance with this ordinance.

§ 7.9.6.3 Special Permit Criteria. In addition to the general Special Permit criteria set forth in section 10.4.2 of this Ordinance, an application for Tier 2 or Tier 3 BESS shall meet the following criteria:

A. The project protects the ground water and surrounding properties from catastrophic failure of one or more of the batteries or cells by implementing appropriate catchment and filtration systems for water run off or run off from the system.

B. The project appropriately attenuates sound intrusion beyond the property lines onto adjacent properties so that there is no change in ambient sound after construction and during operations of the system.

C. The project includes only dark sky compliant down lighting which does not intrude beyond the property lines onto adjacent properties.

D. The project is secure and addresses possible trespass or other intrusion by individuals not affiliated with the project.

E. The project meets the public safety needs of the City.

F. The project minimizes visual impacts from utility infrastructure for interconnection.

F. The project is minimally visible from adjacent properties.

§ 7.9.7. Site Plan application.

For all BESS the Site Plan application shall include the following information, in addition to that required by Section 10.8 of this Zoning Ordinance and the applicable Planning Board requirements governing Site Plan Applications:

A. Utility Infrastructure information requirements:

1. A one- or three-line electrical diagram detailing the BESS layout, associated components, and electrical interconnection methods, with all State Electrical Code compliant disconnects and over current devices.
2. The Applicant shall provide a copy of the fully executed Interconnection Services Agreement ("ISA") with the local utility distribution company.
3. If the ISA has not been issued, the Applicant shall be required to provide a full copy of the Application for Interconnection filed with the local utility distribution

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company.

- B. Preliminary equipment specification sheets that document the proposed BESS components, inverters and associated electrical equipment that are to be installed. A final equipment specification sheet shall be submitted prior to the issuance of building permit.
- C. Name, address, and contact information of proposed or potential system installer and the owner and/or operator of the BESS. Such information of the final system installer shall be submitted prior to the issuance of building permit.
- D. Large-scale fire test data, evaluation information, and calculations, and modeling data. For any of the following, UL 9540A fire test data must be made available to the Planning Board for review:
 - BESS systems with a capacity of greater than 50 kW
 - BESS systems with spacing between arrays of less than 3 feet
- E. Commissioning Plan. The system installer or commissioning agent shall prepare a commissioning plan prior to the start of commissioning. Such plan shall be compliant with NFPA 855 and document and verify that the system and its associated controls and safety systems are in proper working condition per requirements set forth in applicable state codes. Where commissioning is required by the Building Code, BESS commissioning shall be conducted by a Massachusetts Licensed Professional Engineer after the installation is complete but prior to final inspection and approval. A corrective action plan shall be developed for any open or continuing issues that are allowed to be continued after commissioning. A report describing the results of the system commissioning and including the results of the initial acceptance testing required by applicable state codes shall be provided to Zoning Enforcement Officer prior to final inspection and approval and maintained at an approved on-site location.
- F. Fire Safety Compliance Plan. Such plan shall document and verify that the system and its associated controls and safety systems are in compliance with state codes, including documentation that BESS components comply with the safety standards set forth in subsection 7.9.9. Such plan shall also include a detailed training plan for public safety personnel.
- G. Operation and Maintenance Manual. Such plan shall describe continuing BESS maintenance and property upkeep, as well as design, construction, installation, testing and commissioning information and shall meet all requirements set forth state codes and NFPA 855. Maintenance provisions will be driven by manufacturer requirements for the specific listed system. It shall address maintenance of the access and perimeter roadways, perimeter fencing, and shall include a snow removal plan and 24 hours access requirements by public safety officials. There shall be an annual; acoustical review to assure ongoing compliance with the requirement of no change from ambient at the property line and fire department inspection.
- H. Depending on the location of the BESS in relation to and its interaction with the electrical grid, interconnection will be completed per 527 CMR 12.00. System interconnections into utility grids shall be in accordance with NFPA 855 and the local distribution company standards for interconnection of distributed energy resources. An accessible disconnect is

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required per 527 CMR 12.00.

- I. Prior to the issuance of the building permit, As Built engineering documents must be signed and sealed by a Massachusetts Licensed Professional Engineer and provided to the Building Commissioner and Planning Department .
- J. Emergency Operations Plan. An Emergency Operations Plan compliant with NFPA 855 is required. A copy of the approved Emergency Operations Plan shall be given to the system operator, the local fire department, local fire code official and police department. For so long as the BESS is operational, the operator shall provide the Fire Department, Police Department, Building Commissioner, and Mayor's office with contact information for personnel that can be reached 24 hours per day every day, and this contact information shall be updated by the operator whenever there is a change in the information. The operator shall also be required to have an official representative be present onsite not later than two hours after notification by the Fire Chief, Police Chief, or their designee. A permanent copy shall also be placed in an approved location to be accessible to facility personnel, fire code officials, and emergency responders. The emergency operations plan shall include the following information:
 1. Procedures for safe shutdown, de-energizing, or isolation of equipment and systems under emergency conditions to reduce the risk of fire, electric shock, and personal injuries, and for safe start-up following cessation of emergency conditions.
 2. Procedures for inspection and testing of associated alarms, interlocks, and controls, including time intervals for inspection and testing.
 3. Procedures to be followed in response to notifications from the Battery Energy Storage Management System, when provided, that could signify potentially dangerous conditions, including shutting down equipment, summoning service and repair personnel, and providing agreed upon notification to fire department personnel for potentially hazardous conditions in the event of a system failure.
 4. Emergency procedures to be followed in case of fire, explosion, release of liquids or vapors, damage to critical moving parts, or other potentially dangerous conditions. Procedures can include sounding the alarm, notifying the fire department, evacuating personnel, de-energizing equipment, and controlling and extinguishing the fire.
 5. Response considerations similar to a safety data sheet (SDS) that will address response safety concerns and extinguishment when an SDS is not required.
 6. Procedures for safe disposal of BESS equipment damaged in a fire or other emergency event, including maintaining contact information for personnel qualified to safely remove damaged BESS equipment from the facility.
 7. Other procedures as determined necessary by the City to provide for the safety of occupants, neighboring properties, and emergency responders.

8. Procedures and schedules for conducting drills of these procedures and for training local first responders on the contents of the plan and appropriate response procedures.

K. Each Application shall be accompanied by the following information:

1. A certified plot plan at a minimum scale of one inch equals 40 feet and a maximum scale of one inch equals 20 feet. The site plan shall contain:
 - a. Date of site plan with all revisions noted and dated. Title of development, North arrow, scale, map and lot number, name and address of record owner, name and address of person preparing the site plan.
 - b. The names of all owners of record of adjacent properties, and the map and lot number of the properties and all buildings.
 - c. Zoning district boundaries and flood zone boundaries shall be shown as they affect the property including limits of the WSPOD and public water supply Zone A and Zone I on the overall site plan.
 - d. Boundaries of the property and lines of existing street, lots, easements and areas dedicated to public use, including rights of way.
 - e. A locus map showing the location of the property with reference to surrounding area.
 - f. A table indicating all calculations necessary to determine conformance to Bylaw regulations including current required and proposed regulations.
 - g. Square footage of property to the nearest 10 square feet.
2. All plans must include the location of existing and proposed buildings, walls, fences, culverts, parking areas, loading areas, walkways and driveways.
 - a. Location and dimensions of utilities, gas, telephone, electrical, communications, water drainage, sewer and other waste disposal.
 - b. Location, type and dimensions of landscaping and screening.
 - c. Location of existing rock outcroppings, high points, vistas, ponds, depressions, wetlands, major trees (twelve-inch caliper and over) and any other significant existing features.
 - d. Two-foot contours where slopes are less than 15% and five-foot contours when 15% or more. Existing contours shall be indicated by dashed line. Proposed contours shall be indicated by solid line.
 - e. Dimensioned schematic drawings of all proposed buildings. Scale shall not exceed 1/4 inch equals one foot nor less than 1/8 inch equals one foot.
 - f. A narrative describing the proposal and addressing the foregoing requirements.
 - g. Location of street numbers indicated on the schematic drawings and/or site plan.

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- h. Surface and water pollution. A report on the impact of Stormwater runoff on adjacent and downstream surface water bodies, subsurface groundwater and the water table.
 - i. Soils. The potential dangers of erosion and sedimentation caused by the operation and maintenance of the proposed development.
 - j. General environmental impact. A report on the relationship of the proposed development of the major botanical, zoological, geological and hydrological resources of the site, and compatibility of the proposed development with adjacent or surrounding land uses and neighborhoods.
 - k. Traffic impact. A report on existing street capacities, estimated average daily traffic generation, composition, peak hour levels and directional flows resulting from the proposed development, proposed methods to mitigate the estimated traffic impact and methodology and sources used to derive existing data and estimations.
 - l. Renderings showing the proposed project in relationship to its surroundings.

§ 7.9.8. Ownership Changes.

If the owner of the BESS changes or the owner of the property changes, the Special Permit shall remain in effect, provided that the successor owner or operator assumes in writing all of the obligations of the Special Permit, Site Plan approval, and decommissioning plan. A new owner or operator of the BESS shall notify the Building Commissioner of such change in ownership or operator within 14 days of the ownership change. A new owner or operator must provide such notification to the Building Commissioner in writing.

§ 7.9.9. Safety

System Certification. BESS and equipment shall be listed by a Nationally Recognized Testing Laboratory to UL 9540 (Standard for BESS and Equipment) or approved equivalent, with subcomponents meeting each of the following standards as applicable:

- A. UL 1973 (Standard for Batteries for Use in Stationary, Vehicle Auxiliary Power and Light Electric Rail Applications),
- B. UL 1642 (Standard for Lithium Batteries),
- C. UL 1741 or UL 62109 (Inverters and Power Converters),
- D. Certified under the applicable electrical, building, and fire prevention codes as required.
- E. Alternatively, field evaluation by an approved testing laboratory for compliance with UL 9540 (or approved equivalent) and applicable codes, regulations and safety standards may be used to meet system certification requirements.

Site Access. BESS shall be maintained in good working order and in accordance with industry standards. Site access shall be maintained, including snow removal at a level acceptable to the local

fire department.

BESS, components, and associated ancillary equipment shall have required working space clearances, and electrical circuitry shall be within weatherproof enclosures marked with the environmental rating suitable for the type of exposure in compliance with NFPA 70.

§ 7.9.11. Abandonment

The BESS shall be considered abandoned when it ceases to operate consistently for more than one year. If the owner and/or operator fails to comply with decommissioning upon any abandonment, the City may, after compliance with any applicable state and federal constitutional requirements, enter the property and utilize the available bond and/or security for the removal of any BESS and restoration of the site in accordance with the decommissioning plan.

And further add the following new definition to § 11.1 of Chapter 255

§ 11.1

BATTERY ENERGY STORAGE SYSTEM ("BESS") -- An electronic system that protects energy storage systems from operating outside their safe operating parameters and disconnects electrical power to the energy storage system or places it in a safe condition if potentially hazardous temperatures or other conditions are detected. For the purposes of this bylaw, BESS are comprised of three (3) types as further described in § 7.9.3.B. of this bylaw; Tier 1 BESS, Tier 2 BESS and Tier 3 BESS.

And further to amend section 3.1.3, Table of Use and Parking regulations by allowing Tier 1, Tier 2 and Tier 3 BESS in the districts as follows:

	RS	RR	RL	RM	RH	RU	CN	CH	CG	CC	CM	OP	BG	BP	PC
I. MISCELLANEOUS COMMERCIAL USES (cont'd)															
22. Kennel or veterinary hospital in which all animals, fowl or other forms of life are completely enclosed in pens or other structures	BA	BA	N	N	N	N	N	BA	N	N	N	N	N	N	D
23. Commercial communications and/or television tower, provided that it shall be at least 500 feet from any R District	BA	N	N	N	N	N	N	BA	BA	BA	N	BA	BA	BA	None
24. Battery Energy Storage Systems: Tier 1	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>N</u>	<u>Y</u>	<u>Y</u>	<u>None</u>
25. Battery Energy Storage Systems: Tier 2	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>CC</u>	<u>None</u>

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26. Battery Energy Storage Systems: Tier 3	N	N	N	N	N	N	N	N	N	N	N	N	N	CC	None
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IN CITY COUNCIL: January 7 2025
PLACED ON FILE for at least 10 days
Attest:

City Clerk

IN CITY COUNCIL: March 18 2025
CONTINUED TO APRIL 29 2025 (with Hearing)
Attest:

City Clerk

IN CITY COUNCIL: April 29 2025
HEARING CONTINUED TO JUNE 3 2025
Attest:

City Clerk

IN CITY COUNCIL: June 3 2025
REQUEST BY CITY SOLICITOR TO CONTINUE TO JULY 8 2025
Attest:

City Clerk

IN CITY COUNCIL: July 8 2025
CONTINUED TO AUGUST 5, 2025

Attest:

City Clerk

IN CITY COUNCIL: August 5 2025
CONTINUE TO SEPTEMBER 30, 2025
Attest:

City Clerk

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Document # 57 of 2022

Doc 57 of 2022 - CCSP-22-4; Attorney Donald Borenstein for Kayrouz Petroleum, LLC requesting to store 20,000 gallons of Class II diesel fuel in an underground storage tank and 2,500 gallons of DEF (Diesel Exhaust Fluid) in an underground storage tank at 298 Amesbury Rd

IN CITY COUNCIL: November 18, 2025

11 Yeas, 0 Nays

CONT'D TO DECEMBER 2, 2025

Attest: Kaitlin M. Wright
Kaitlin M. Wright, CMC
City Clerk

Doc 57
of 2022/10.3

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Kristin L. Sayer

November 12, 2025

Haverhill City Council
c/o City Clerk
City Hall
4 Summer Street
Haverhill, MA 01830

NOV 12 PM 12:03
HAVCITYCLERK

Re: Request For Continuance; Flammable Storage License Application on remand from
the Land Court, Kayrouz Petroleum, LLC; 298 Amesbury Road, Haverhill, MA

Dear Council President and Councilors:

I represent Kayrouz Petroleum, LLC, ("Kayrouz"). Kayrouz respectfully requests and assents to
the continuance of the Council's hearing on this matter to December 2, 2025.

Thank you for your attention to this matter.

Very truly yours,

JOHNSON & BORENSTEIN, LLC

/s/Donald F. Borenstein
Donald F. Borenstein

DFB~klb

Cc: Thomas C. Fallon, Esq.
Thomas J. Sullivan, Esq.
Lucien M. DiStefano, Bohler Engineering
Scott W. Thornton, P.E., Vanasse & Assoc., Inc.
Matthew T. Madden, P.E., Tetrattech,
Christopher P. Parent, LSP, Environmental Risk Advisors,

Document # 57 of 2022

CCSP-22-4; Attorney Donald Borenstein for *Kayrouz Petroleum, LLC* requesting to store 20,000 gallons of Class II diesel fuel in an underground storage tank and 2,500 gallons of DEF (Diesel Exhaust Fluid) in an underground storage tank at 298 Amesbury Rd

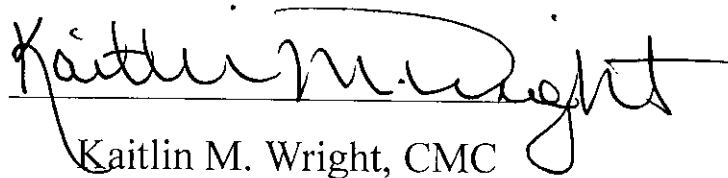
Continued from hearing in August 2022 (Document 57 of 2022) after Land Court decision (Land Court decision included) and comments from City Departments are included

IN CITY COUNCIL: SEPTEMBER 23, 2025

Cont. to November 18, 2025

9 YEAS, 0 NAYS, 2 ABSENT, 0 ABSTENTATION

Attest:



Kaitlin M. Wright, CMC
City Clerk

City Council Special Permit**CCSP-22-4**

Submitted On: Mar 28, 2022

Applicant

 Lauren Sagaser
 5084809900
@ lsagaser@bohlereng.com

Primary Location

298 AMESBURY RD
Haverhill, MA 01830

Important: Please Read Before Starting Your Application**Applicant Information****What is Your Role in This Process?**

Attorney/Agent

Applicant Business/Firm Phone

508-480-9900

Applicant Business/Firm City

Southborough

Applicant Business/Firm Zip

01772

Client Business Name

Kayrouz Realty LLC

Client Email

johnny@kayrouzrealty.com

Client City

Westborough

Client Zip

01581

Client Business Structure

Limited Liability Corporation (LLC)

Applicant Business/Firm Name

Bohler Engineering MA, LLC

Applicant Business/Firm Address

352 Turnpike Road

Applicant Business/Firm State

MA

Client Name

Johnny Kayrouz

Client Phone

508-366-1529

Client Address

16 East Main Street

Client State

MA

Client County

Worcester

Property Information**Proposed Housing Plan Name**

N/A

How Long Owned by Current Owner?

N/A

Lot Dimension(s)

131,587 sf

Zoning District Where Property Located

CH - Commercial Highway

Proposed Street Name(s)

N/A

Type of Dwelling(s) Planned in Project

Single Family

Registry Plat Number, Block & Lot

465-4-5

Deed Recorded in Essex South Registry: Block Number

465-4-5

Deed Recorded in Essex South Registry: Page

465-4-5

IF YES, How Many Lots?

1

Thoroughly Describe the Reason(s) for thre Special Permit

Flammable Storage License

Property Description

The site currently encompasses a landscape supply business located west of Amesbury Road and south of Wannalancet Road.

Current Property Use

Agricultural

TOTAL Number of Parking Spaces Planned

9

Does the Property Have Multiple Lots?

No

IF YES, What Is/Are the Map, Block Lot (MBL) Number(s)?

N/A

TOTAL Number of Units Planned

0

Planned Lot Use**Lot Number**

Lot 1

Lot Dimensions

131,587 SF

Size of Existing Building(s) on Lot

2,066 SF; 1,000 SF; 900 SF; 440 SF

Size of Proposed Building(s)

1,482 SF

Extent of Proposed Alterations

New Construction: Commercial

Types of Units Planned on Lot

Rental

Lot Plat Number, Bock, Lot

Map 465, Block 4, Lot 5B

Number of Existing Buildings on Lot

4

Number of Buildings Planned for Lot

1

Number of Families to be Accommodated

0

IF OTHER ALTERATIONS, Please Describe

--

Number of Units Planned on Lot

0

Special Circumstances**Building Coverage**

--

Front Yard Setback

--

Rear Yard Setback

--

Lot Depth

--

Dimensional Variance

--

Side Yard Setback

--

Lot Frontage

--

Lot Area

--

Building Height

--

Open Space

--

Sign Size

--

Other

true

Floor Area Ratio

--

Parking

--

Use

--

IF OTHER, Please Describe

flammable storage license

Hearing Waiver

Agrees

No

Agreement & Signature

Agrees

true

PLEASE READ

September 19, 2025



City of Haverhill, MA

City Clerk Review - Hearing Dates Set

Record No. CCSP-22-4

Status Completed

Became Active July 3, 2025

Assignee Kaitlin Wright

Due Date None

Primary Location

298 AMESBURY RD
Haverhill, MA 01830

Owner

EDDY STEVEN J
SEVEN SISTER RD 71 HAVERHILL, MA
01830

Applicant

 Donald Borenstein
 978-475-4488
 don@jblclaw.com
 12 Chestnut St.
Andover, Massachusetts 01810

Messages

Kaitlin Wright

July 3, 2025 at 3:57 pm

Land court issued a decision in March 2023 stating that applicant must complete traffic study, among other items, and once received, city must reopen hearing. Documents received in office as of 7/3/3035. Preparation to re-open hearing in progress. Hearing date tentatively set for September 23rd, will be announced July 22nd.

Step Activity

Kaitlin Wright added this record step

07/03/2025 at 3:55 pm

Kaitlin Wright approved this step

07/03/2025 at 3:57 pm



City of Haverhill, MA

September 19, 2025

City Council Admin Notified

Record No.CCSP-22-4

Status Completed

Became Active July 7, 2025

Assignee Lori Robertson

Due Date None

Primary Location

298 AMESBURY RD
Haverhill, MA 01830

Owner

EDDY STEVEN J
SEVEN SISTER RD 71 HAVERHILL, MA
01830

Applicant

Donald Borenstein
 978-475-4488
 don@jblclaw.com
 12 Chestnut St.
Andover, Massachusetts 01810

Messages

Kaitlin Wright

July 7, 2025 at 9:51 am

Land court issued a decision in March 2023 stating that applicant must complete traffic study, among other items, and once received, city must reopen hearing. Documents received in office as of 7/3/3035. Preparation to re-open hearing in progress. Hearing date tentatively set for September 23rd, will be announced July 22nd.

Step Activity

Kaitlin Wright added this record step

07/07/2025 at 9:51 am

Lori Robertson approved this step

07/08/2025 at 8:12 am



City of Haverhill, MA

September 19, 2025

Hearing Date Announced Before Council

Record No.CCSP-22-4

Status Completed

Became Active July 7, 2025

Assignee Kaitlin Wright

Due Date None

Primary Location

298 AMESBURY RD
Haverhill, MA 01830

Owner

EDDY STEVEN J
SEVEN SISTER RD 71 HAVERHILL, MA
01830

Applicant

 Donald Borenstein
 978-475-4488
 don@jblclaw.com
 12 Chestnut St.
Andover, Massachusetts 01810

Messages

Kaitlin Wright

July 7, 2025 at 9:51 am

Will be announced on July 22nd.

Step Activity

Kaitlin Wright added this record step

07/07/2025 at 9:51 am

Kaitlin Wright approved this step

08/13/2025 at 11:48 am



City of Haverhill, MA

September 19, 2025

Assessor for Abutter's List

Record No.CCSP-22-4

Status Completed

Became Active July 3, 2025

Assignee Chris Webb

Due Date None

Primary Location

298 AMESBURY RD
Haverhill, MA 01830

Owner

EDDY STEVEN J
SEVEN SISTER RD 71 HAVERHILL, MA
01830

Applicant

Donald Borenstein
 978-475-4488
 don@jblclaw.com
 12 Chestnut St.
Andover, Massachusetts 01810

Messages

Kaitlin Wright

July 3, 2025 at 3:58 pm

Chris, please prepare an abutters list for 298 Amesbury Rd. This item is returning to council due to a land court decision. See most recently uploaded document for more information.

Chris Webb Internal

July 7, 2025 at 9:07 am

Please see the new attached abutters and mailing lists for 298 Amesbury Rd 465-4-5. This is NOT agricultural land.

Chris Webb

July 7, 2025 at 9:10 am

Please see the new attached abutters and mailing lists for 298 Amesbury Rd 465-4-5. This is NOT agricultural land.

Kaitlin Wright Internal

July 7, 2025 at 2:14 pm

Thank you, Chris!

September 19, 2025



City of Haverhill, MA

First Ad Placement

Record No. CCSP-22-4

Status Completed

Became Active July 7, 2025

Assignee Kaitlin Wright

Due Date None

Primary Location

298 AMESBURY RD
Haverhill, MA 01830

Owner

EDDY STEVEN J
SEVEN SISTER RD 71 HAVERHILL, MA
01830

Applicant

 Donald Borenstein
 978-475-4488
 don@jblclaw.com
 12 Chestnut St.
Andover, Massachusetts 01810

Messages

Kaitlin Wright

July 7, 2025 at 2:10 pm

The advertisement will be printed on September 4 and 11th in the Gazette.
We will bill you for the advertisement following the advertisement.

Step Activity

Kaitlin Wright added this record step

07/07/2025 at 9:56 am

Kaitlin Wright reassigned this step from Maria
Bevilacqua to Kaitlin Wright

07/07/2025 at 2:10 pm

Kaitlin Wright approved this step

07/07/2025 at 2:10 pm



City of Haverhill, MA

September 19, 2025

Water Bill Check

Record No.CCSP-22-4

Status Completed

Became Active July 7, 2025

Assignee Elizabeth Remmes

Due Date None

Primary Location

298 AMESBURY RD
Haverhill, MA 01830

Owner

EDDY STEVEN J
SEVEN SISTER RD 71 HAVERHILL, MA
01830

Applicant

 Donald Borenstein
 978-475-4488
 don@jblclaw.com
 12 Chestnut St.
Andover, Massachusetts 01810

Messages

No comments yet.

Step Activity

- Kaitlin Wright added this record step07/07/2025 at 9:48 am
- Elizabeth Remmes approved this step07/07/2025 at 12:17 pm

September 19, 2025



Tax Check

Record No. CCSP-22-4

Status Completed

Became Active July 7, 2025

Assignee Lynn Spitalere

Due Date None

Primary Location

298 AMESBURY RD
Haverhill, MA 01830

Owner

EDDY STEVEN J
SEVEN SISTER RD 71 HAVERHILL, MA
01830

Applicant

 Donald Borenstein
 978-475-4488
 don@jblclaw.com
 12 Chestnut St.
Andover, Massachusetts 01810

Messages

No comments yet.

Step Activity

Kaitlin Wright added this record step

07/07/2025 at 9:48 am

Lynn Spitalere approved this step

07/07/2025 at 4:17 pm



City of Haverhill, MA

September 19, 2025

Conservation Department Review

Record No. CCSP-22-4

Status Active

Became Active July 7, 2025

Assignee Robert Moore

Due Date None

Primary Location

298 AMESBURY RD
Haverhill, MA 01830

Owner

EDDY STEVEN J
SEVEN SISTER RD 71 HAVERHILL, MA
01830

Applicant



Donald Borenstein



978-475-4488



don@jblclaw.com



12 Chestnut St.

Andover, Massachusetts 01810

Messages

Kaitlin Wright

July 7, 2025 at 9:49 am

This item is returning to council due to a land court decision. See most recently uploaded document for more information.

Robert Moore  Internal

July 7, 2025 at 7:44 pm

1 intentions for back of lot. Mapped habitat. 2 why so many pumps for so few trips per day 3 should traffic study include new Whittier Tech at NECC Campus 4 was a spill prevention plan and/or emergency response plan provide to detail water supply protection measures in the event of a spill

Robert Moore

July 9, 2025 at 9:25 am

Project remains outside the jurisdiction of the Conservation Commission. However, I noted the following during my review of the new materials: 1. The rear of the lot (beyond the extent of the fueling station) is currently mapped by the Commonwealth as containing Priority Habitats of Rare Species. The applicant is advised to seek project approval from the MA Natural Heritage and Endangered Species Program as part of project permitting. 2. The traffic study projects what appears to be a fairly low number of weekday visits (53 trucks). How does the size of the proposed station (5 pumps, 40,000 gallons) compare to industry standards for the projected demand? 3. Since the 2023 traffic study, the construction of a new Whittier Tech school on the campus of NECC has become more likely. Should the study be updated to include student and staff projections? 4. The stormwater system was designed to prevent discharge to the Millvale watershed during routine operations. However, was a spill prevention plan and/or emergency response plan provided to detail water supply protection measures during control of an incident?

Kaitlin Wright

July 9, 2025 at 9:58 am

Thank you, @Robert Moore for reviewing and commenting so quickly!

Kaitlin Wright

July 9, 2025 at 10:18 am

@Robert Moore should permit be contingent upon approval from the MA Natural Heritage and Endangered Species Program?

Robert Moore

July 9, 2025 at 10:45 am

@Kaitlin Wright Sure, they could make that a condition. Perhaps something like "The applicant shall not perform any work within Priority Habitat #2140, as mapped by the MA Natural Heritage and Endangered Species Program, without first providing the Conservation Department with written approval from the Program for said work". I typically withhold approval of the Development Review until applicants provide NHESP approval. Much of the

9/19/25, 10:44 AM

proposed project is outside the mapped habitat. But anything they do to grade out and stabilize the western end of the lot (i.e., beyond the truck parking area) will require ok from that state agency. This map shows the back quarter of the site within Priority Habitat.

Kaitlin Wright

July 9, 2025 at 11:04 am

Thank you, Rob!

Kaitlin Wright

September 12, 2025 at 8:46 am

This is coming before Council on September 23 - if you have anything further to add, please do so as soon as possible!

Step Activity

Kaitlin Wright added this record step

07/07/2025 at 9:48 am



City of Haverhill, MA

September 19, 2025

Fire1 Department Review

Record No.CCSP-22-4

Status Skipped

Became Active July 7, 2025

Assignee Eric Tarpy

Due Date None

Primary Location

298 AMESBURY RD
Haverhill, MA 01830

Owner

EDDY STEVEN J
SEVEN SISTER RD 71 HAVERHILL, MA
01830

Applicant

Donald Borenstein
 978-475-4488
 don@jblclaw.com
 12 Chestnut St.
Andover, Massachusetts 01810

Messages

Kaitlin Wright

July 7, 2025 at 9:49 am

This item is returning to council due to a land court decision. See most recently uploaded document for more information.

Kaitlin Wright

July 9, 2025 at 9:57 am

@Eric Tarpy Please note that the original application filed in 2022 sought 32,000 gallons of diesel on site. The most recently submitted document by the applicant states that the applicant is seeking two 20,000 gallons of UST for diesel and one 2,500 gallon for DEF, which would total 42,500 gallons.

Eric Tarpy

July 9, 2025 at 10:41 am

Fire Dept has reviewed the peer review Document. Applicant needs to amend license application to reflect new quantities

Kaitlin Wright

July 9, 2025 at 11:04 am

Thank you, Eric. I have contacted the applicant regarding amending the application.

Eric Tarpy 🔒 Internal

August 21, 2025 at 2:33 pm

@Kaitlin Wright Hi, did applicant ever amend or provide new application with changes stated above?

Kaitlin Wright 🔒 Internal

August 21, 2025 at 2:39 pm

No, I do not believe we have received an update application. I will contact the applicant.

Kaitlin Wright 🔒 Internal

August 28, 2025 at 3:32 pm

@Eric Tarpy updated app has been uploaded.



City of Haverhill, MA

September 19, 2025

Fire2 Department Review

Record No.CCSP-22-4

Status Completed**Became Active** July 7, 2025**Assignee** Brian Belfiore**Due Date** None

Primary Location

298 AMESBURY RD
Haverhill, MA 01830

Owner

EDDY STEVEN J
SEVEN SISTER RD 71 HAVERHILL, MA
01830

Applicant

 Donald Borenstein
 978-475-4488
 don@jblclaw.com
 12 Chestnut St.
Andover, Massachusetts 01810

Messages

Kaitlin Wright

July 7, 2025 at 9:49 am

This item is returning to council due to a land court decision. See most recently uploaded document for more information.

Brian Belfiore 🔒 Internal

August 28, 2025 at 9:03 am

@Kaitlin Wright we need the following from the applicant: -Updated written project summary to include the number of tanks and the quantities and type of product in each tank. -Updated site plan showing the number of tanks, quantities and type of product in each tank. -Updated license application reflecting the updated amount of diesel and DEF being stored.

Brian Belfiore

August 28, 2025 at 9:05 am

we need the following: -Updated written project summary to include the number of tanks and the quantities and type of product in each tank. - Updated site plan showing the number of tanks, quantities and type of product in each tank. -Updated license application reflecting the updated amount of diesel and DEF being stored.

Kaitlin Wright

August 28, 2025 at 3:31 pm

Brian, new application has been uploaded.

Brian Belfiore 🔒 Internal

August 28, 2025 at 4:11 pm

@Kaitlin Wright I was looking at your comment to D/C Tarpy on 7/9/25 that the applicant is seeking two 20,000 gallons of UST for diesel and one 2,500 gallon for DEF, which would total 42,500 gallons. Can we confirm that the applicant is only applying for 20,000 gallons of diesel and 2,500 of DEF.

Kaitlin Wright 🔒 Internal

August 28, 2025 at 4:13 pm

Brian Belfiore

September 9, 2025 at 4:04 pm

Applicant has submitted all required documents.



City of Haverhill, MA

September 19, 2025

Building Inspector Review

Record No.CCSP-22-4

Status Active

Became Active July 7, 2025

Assignee Tom Bridgewater

Due Date None

Primary Location

298 AMESBURY RD
Haverhill, MA 01830

Owner

EDDY STEVEN J
SEVEN SISTER RD 71 HAVERHILL, MA
01830

Applicant

 Donald Borenstein
 978-475-4488
 don@jblclaw.com
 12 Chestnut St.
Andover, Massachusetts 01810

Messages

Kaitlin Wright

July 7, 2025 at 9:56 am

This item is returning to council due to a land court decision. See most recently uploaded document for more information.

Tom Bridgewater

July 9, 2025 at 2:27 pm

Please contact the Engineering Dept for a PPR to come in to discuss for a refresh 978-374-2335

Kaitlin Wright

September 12, 2025 at 8:46 am

This is coming before Council on September 23 – if you have anything further to add, please do so as soon as possible!

Step Activity

Kaitlin Wright added this record step

07/07/2025 at 9:56 am



City of Haverhill, MA

September 19, 2025

Storm Water Review

Record No.CCSP-22-4

Status Active

Became Active July 7, 2025

Assignee Robert Moore

Due Date None

Primary Location

298 AMESBURY RD
Haverhill, MA 01830

Owner

EDDY STEVEN J
SEVEN SISTER RD 71 HAVERHILL, MA
01830

Applicant

 Donald Borenstein
 978-475-4488
 don@jblclaw.com
 12 Chestnut St.
Andover, Massachusetts 01810

Messages

Kaitlin Wright

July 7, 2025 at 9:56 am

This item is returning to council due to a land court decision. See most recently uploaded document for more information.

Robert Moore

July 9, 2025 at 9:26 am

see Conservation review comments

Robert Moore

September 10, 2025 at 4:26 pm

Hi Don, could you please give me a quick recap of the changes made on the current plan submittal. Will drainage design remain unchanged?

Kaitlin Wright

September 12, 2025 at 8:46 am

This is coming before Council on September 23 - if you have anything further to add, please do so as soon as possible!



City of Haverhill, MA

September 19, 2025

DPW Review

Record No. CCSP-22-4

Status Completed

Became Active July 7, 2025

Assignee Robert Kimball

Due Date None

Primary Location

298 AMESBURY RD
Haverhill, MA 01830

Owner

EDDY STEVEN J
SEVEN SISTER RD 71 HAVERHILL, MA
01830

Applicant

 Donald Borenstein
 978-475-4488
 don@jblclaw.com
 12 Chestnut St.
Andover, Massachusetts 01810

Messages

Kaitlin Wright

July 7, 2025 at 9:56 am

This item is returning to council due to a land court decision. See most recently uploaded document for more information.

Step Activity

Kaitlin Wright added this record step

07/07/2025 at 9:56 am

Robert Kimball approved this step

07/07/2025 at 2:37 pm



City of Haverhill, MA

September 19, 2025

Engineering Department Review

Record No.CCSP-22-4

Status Completed

Became Active July 7, 2025

Assignee John Pettis

Due Date None

Primary Location

298 AMESBURY RD
Haverhill, MA 01830

Owner

EDDY STEVEN J
SEVEN SISTER RD 71 HAVERHILL, MA
01830

Applicant

 Donald Borenstein
 978-475-4488
 don@jblclaw.com
 12 Chestnut St.
Andover, Massachusetts 01810

Messages

Kaitlin Wright

July 7, 2025 at 9:56 am

This item is returning to council due to a land court decision. See most recently uploaded document for more information.

John Pettis

July 15, 2025 at 1:06 pm

It was our understanding that someone was going to come to today's Development Review meeting at City Hall, but no one came. An updated understanding of where the project stands would be helpful to City Departments being asked to give updated comments. Some initial comments from various City staff: Is Septic still proposed? Clearly show on updated plan. What is the location of the 495 ramps in relation to project driveways. Clearly show on updated plan so can ensure not a jog that leads to extended time to negotiate across Rt 110. Are trucks allowed to stay on-site overnight? Clarify fuels to be stored on-site.

Donald Borenstein

July 15, 2025 at 3:04 pm

John, Was not aware you were expecting the project team for a meeting today. Would be happy to come to City Hall and answer your questions and update current status of the project. What are the upcoming dates/times you'd like to see us? I'll coordinate with the project team. Thanks. -Don Borenstein 978-475-4488

John Pettis

July 16, 2025 at 11:28 am

I was not told that project team was coming in, only that Steve Eddy was coming to give project update. We typically meet every Tuesday starting at 930 and slot people as they make request. Let me know what Tue works for you guys and we will plan on it. You can also add others as "Guests" if you want others to be able to see the portal/add attachments etc.

Donald Borenstein

August 14, 2025 at 4:23 pm

John, The Project Team is targeting the Development Review meeting on Tuesday, September 9th. Would you please confirm whether that date is available and confirm the time and location? Thanks, Don Borenstein 978-269-6767 (phone and text)

Donald Borenstein

September 2, 2025 at 3:49 pm

The project team is scheduled to attend the City's Development Review meeting at 9:30am on Sept 9th. Would you please confirm the room location for the meeting? Thanks

John Pettis

September 2, 2025 at 4:03 pm

City Hall, 4 Summer St, 3rd Floor, Rm 300.

Donald Borenstein

September 8, 2025 at 1:52 pm

Our civil engineer, Luke DiStefano , has a personal matter that will have him out of town tomorrow. He'd like to join us by video if possible. If you are already hosting Zoom or other video access to the meeting, could you send him an invitation? Otherwise, I'll bring him into the in-person meeting on my laptop using my own Zoom account. Thanks.

Kaitlin Wright

September 12, 2025 at 8:46 am

This is coming before Council on September 23 - if you have anything further to add, please do so as soon as possible!

John Pettis

September 15, 2025 at 4:13 pm

I have no objection to the granting of the Special Permit, but note below Conditions that were agreed upon in Responses to my comments, within Attachment from Oct 2024:Comment 1. I continue to be concerned with the proposed curb cut but will defer to MassDOT since the location is within the State Highway layout. Regarding the Traffic Report, the number of trips generated by the site seems very low. It is hard to fathom how the Site can be financially successful with only 12 customers in the AM peak, 6 customers in the PM peak and 5 in the Saturday midday peak. Would the project commit to a follow up study (6 months after construction) to confirm that the traffic generated by the site is consistent with the traffic study assumptions. If volumes are higher, there is a potential for turn lanes to be warranted along Rt 110. Response: Comment acknowledged. Applicant is willing to agree to a follow-up study to review traffic impacts. Applicant requests, however, that the exact purview of this study be agreed to prior to construction and that the study area be limited to impacts associated with the proposed retail petroleum facility only. Comment 2. Please forward me a copy of the MassDOT permit once obtained. Response: Comment acknowledged. Applicant agrees to forward a copy of the MassDOT Permit to Access a State Highway once received.

Step Activity

Kaitlin Wright added this record step

07/07/2025 at 9:56 am

John Pettis approved this step

09/15/2025 at 4:13 pm



City of Haverhill, MA

September 19, 2025

Water/Wastewater Review

Record No.CCSP-22-4

Status Active

Became Active July 7, 2025

Assignee Robert Ward

Due Date None

Primary Location

298 AMESBURY RD
Haverhill, MA 01830

Owner

EDDY STEVEN J
SEVEN SISTER RD 71 HAVERHILL, MA
01830

Applicant

 Donald Borenstein
 978-475-4488
 don@jblclaw.com
 12 Chestnut St.
Andover, Massachusetts 01810

Messages

Kaitlin Wright

July 7, 2025 at 9:56 am

This item is returning to council due to a land court decision. See most recently uploaded document for more information.

Kaitlin Wright

August 28, 2025 at 3:32 pm

This item is returning to council on September 23 due to a land court decision. See most recently uploaded document for more information.
Please review and leave appropriate department comments.

Kaitlin Wright

September 12, 2025 at 8:46 am

This is coming before Council on September 23 - if you have anything further to add, please do so as soon as possible!



City of Haverhill, MA

September 19, 2025

Water Supply Review

Record No. CCSP-22-4

Status Active

Became Active July 7, 2025

Assignee Robert Ward

Due Date None

Primary Location

298 AMESBURY RD
Haverhill, MA 01830

Owner

EDDY STEVEN J
SEVEN SISTER RD 71 HAVERHILL, MA
01830

Applicant

 Donald Borenstein
 978-475-4488
 don@jblclaw.com
 12 Chestnut St.
Andover, Massachusetts 01810

Messages

Kaitlin Wright

July 7, 2025 at 9:57 am

This item is returning to council due to a land court decision. See most recently uploaded document for more information.

Kaitlin Wright

August 28, 2025 at 3:33 pm

This item is returning to council on September 23 due to a land court decision. See most recently uploaded document for more information. Please review and leave appropriate department comments.

Kaitlin Wright

September 12, 2025 at 8:46 am

This is coming before Council on September 23 – if you have anything further to add, please do so as soon as possible!



City of Haverhill, MA

September 19, 2025

Police Department Review

Record No.CCSP-22-4

Status Completed

Became Active July 7, 2025

Assignee Kevin Lynch

Due Date None

Primary Location

298 AMESBURY RD
Haverhill, MA 01830

Owner

EDDY STEVEN J
SEVEN SISTER RD 71 HAVERHILL, MA
01830

Applicant

 Donald Borenstein
 978-475-4488
 don@jblclaw.com
 12 Chestnut St.
Andover, Massachusetts 01810

Messages

Kaitlin Wright

July 7, 2025 at 9:57 am

This item is returning to council due to a land court decision. See most recently uploaded document for more information.

Kaitlin Wright

August 28, 2025 at 3:33 pm

This item is returning to council on September 23 due to a land court decision. See most recently uploaded document for more information.
Please review and leave appropriate department comments.

Step Activity

Kaitlin Wright added this record step

07/07/2025 at 9:56 am

Kevin Lynch approved this step

09/09/2025 at 3:35 pm



City of Haverhill, MA

September 19, 2025

Health Department Review

Record No.CCSP-22-4

Status Active

Became Active July 7, 2025

Assignee Mark Tolman

Due Date None

Primary Location

298 AMESBURY RD
Haverhill, MA 01830

Owner

EDDY STEVEN J
SEVEN SISTER RD 71 HAVERHILL, MA
01830

Applicant

 Donald Borenstein
 978-475-4488
 don@jblclaw.com
 12 Chestnut St.
Andover, Massachusetts 01810

Messages

Kaitlin Wright

July 7, 2025 at 12:58 pm

This item is returning to council due to a land court decision. See most recently uploaded document for more information.

Kaitlin Wright

August 28, 2025 at 3:33 pm

This item is returning to council on September 23 due to a land court decision. See most recently uploaded document for more information. Please review and leave appropriate department comments.

Kaitlin Wright

September 12, 2025 at 8:46 am

This is coming before Council on September 23 – if you have anything further to add, please do so as soon as possible!



City of Haverhill, MA

September 19, 2025

School Department Review

Record No.CCSP-22-4

Status Active

Became Active July 7, 2025

Assignee Margaret Marotta

Due Date None

Primary Location

298 AMESBURY RD
Haverhill, MA 01830

Owner

EDDY STEVEN J
SEVEN SISTER RD 71 HAVERHILL, MA
01830

Applicant

 Donald Borenstein
 978-475-4488
 don@jblclaw.com
 12 Chestnut St.
Andover, Massachusetts 01810

Messages

Kaitlin Wright

July 7, 2025 at 12:58 pm

This item is returning to council due to a land court decision. See most recently uploaded document for more information.

Kaitlin Wright

August 28, 2025 at 3:33 pm

This item is returning to council on September 23 due to a land court decision. See most recently uploaded document for more information. Please review and leave appropriate department comments.

Kaitlin Wright

September 12, 2025 at 8:47 am

This is coming before Council on September 23 - if you have anything further to add, please do so as soon as possible!



City of Haverhill, MA

September 19, 2025

Second Ad Placement

Record No.CCSP-22-4

Status Completed

Became Active July 7, 2025

Assignee Maria Bevilacqua

Due Date None

Primary Location

298 AMESBURY RD
Haverhill, MA 01830

Owner

EDDY STEVEN J
SEVEN SISTER RD 71 HAVERHILL, MA
01830

Applicant

 Donald Borenstein
 978-475-4488
 don@jblclaw.com
 12 Chestnut St.
Andover, Massachusetts 01810

Messages

Kaitlin Wright

July 7, 2025 at 2:10 pm

The advertisement will be printed on September 4 and 11th in the Gazette.
We will bill you for the advertisement following the advertisement.

Step Activity

Kaitlin Wright added this record step

07/07/2025 at 9:56 am

Kaitlin Wright approved this step

07/07/2025 at 2:10 pm



City of Haverhill, MA

September 19, 2025

Abutter Notification

Record No. CCSP-22-4

Status Active

Became Active July 7, 2025

Assignee Kaitlin Wright

Due Date None

Primary Location

298 AMESBURY RD
Haverhill, MA 01830

Owner

EDDY STEVEN J
SEVEN SISTER RD 71 HAVERHILL, MA
01830

Applicant



Donald Borenstein



978-475-4488



@ don@jblclaw.com



12 Chestnut St.

Andover, Massachusetts 01810

Messages

Kaitlin Wright

July 7, 2025 at 2:10 pm

Abutter notification for fuel storage applications are the applicant's responsibility. I have uploaded a copy of the advertisement to the portal and you may use the advertisement to send your abutter notification. The advertisement will be printed on September 4 and 11th in the Gazette. Please be sure to send abutter notification on or around then. A list of abutters has also been attached. Please reach out with questions.

Kaitlin Wright

July 24, 2025 at 4:41 pm

Updated advertisement uploaded to the portal. Abutter notification for fuel storage applications are the applicant's responsibility. You may use the advertisement to send your abutter notification. The advertisement will be printed on September 4 and 11th in the Gazette. Please be sure to send abutter notification on or around then. A list of abutters has also been attached. Prior to the hearing, the certified mail receipts will need to be submitted to our office. Please reach out with questions.

Kaitlin Wright

August 13, 2025 at 12:34 pm

As a reminder – Abutter notification for fuel storage applications are the applicant's responsibility. You may use the advertisement to send your abutter notification. The advertisement will be printed on September 4 and 11th in the Gazette. Please be sure to send abutter notification on or around then. A list of abutters has also been attached. Prior to the hearing, the certified mail receipts will need to be submitted to our office. Please reach out with questions.

Kaitlin Wright

August 28, 2025 at 3:33 pm

As a reminder – Abutter notification for fuel storage applications are the applicant's responsibility. You may use the advertisement to send your abutter notification. The advertisement will be printed on September 4 and 11th in the Gazette. Please be sure to send abutter notification on or around then. A list of abutters has also been attached. Prior to the hearing, the certified mail receipts will need to be submitted to our office. Please reach out with questions.

Kaitlin Wright

September 12, 2025 at 8:47 am

Good morning, have the abutter notifications gone out?

Kaitlin Wright

September 15, 2025 at 1:06 pm

I see you have uploaded proof of the abutter notification. Please note that the physical green cards for certified mail will need to be turned into our office. Please do so sooner rather than later and it must be turned in prior to

the hearing.

Donald Borenstein

September 18, 2025 at 11:26 am

The applicant team has presentation slides that we'd like to display during the Council hearing. Should those just be submitted through the portal? If not, how are they best provided so they can be accessed during the meeting? By when must they be submitted so they can be displayed at the meeting? Thank you.

Kaitlin Wright

September 18, 2025 at 11:43 am

Please submit them to me via email no later than Friday 9/19/ at 9 AM. Also, please provide the green cards from the certified mail - I need the physical cards brought to our office.

Step Activity

Kaitlin Wright added this record step

07/07/2025 at 9:56 am

Kaitlin Wright approved this step

07/07/2025 at 2:10 pm

Kaitlin Wright reactivated this step

07/07/2025 at 2:10 pm

**Request to Reopen Hearing; Flammable Storage License Application on remand from the
Land Court
Kayrouz Petroleum, LLC; 298 Amesbury Road, Haverhill, MA
City Council Special Permit
Number CCSP-22-4**

AFFIDAVIT OF NOTICE OF SERVICE TO ABUTTERS

I, Donald F. Borenstein, do hereby depose and state the following:

1. Kayrouz Petroleum, LLC is the Applicant for the project at 298 Amesbury Road, Haverhill, MA, as detailed in the remand application filed with the Haverhill City Council on July 1, 2025.
2. According to the requirements of the City of Haverhill City Council, notice of the public hearing scheduled for September 23, 2025, was required.
3. On September 9, 2025, notice of the public hearing was sent via Certified Mail, Return Receipt Requested to the abutters of record. A true and accurate copy of the Abutters List is attached as Exhibit A.
4. A true and accurate copy of the Notice is attached as Exhibit B.
5. A true and accurate copy of the certified mail return receipt cards as well as date-stamped confirmation from the USPS are attached as Exhibit C.

Signed on this 11th day of September 2025.

/s/ Donald F. Borenstein

Donald F. Borenstein, Esq., BBO #566810
don@jblclaw.com
JOHNSON & BORENSTEIN, LLC
12 Chestnut Street
Andover, MA 01810
Tel: 978-475-4488
Fax: 978-475-6703

A

	A	B	C	D	E	F	G	H	I	J
1	ParcelID	StreetNum	StreetName	LocCity	Owner1	BillingAddress	City	State	Zip	
2	428-628-1	23	WANNALANCET RD	HAVERHILL	MATT, LLC	73 SEVEN SISTER RD	HAVERHILL	MA	01830	
3	428-628-10	316	AMESBURY RD	HAVERHILL	GELINAS PHILLIP P	316 AMESBURY RD	HAVERHILL	MA	01830	
4	428-628-13A	330	AMESBURY RD	HAVERHILL	MASS PROP INVES, LLC	P.O. BOX 1115	HAVERHILL	MA	01830	
5	428-628-13C		WANNALANCET RD	HAVERHILL	SDSE EAST BROADWAY LLC	73 SEVEN SISTER RD	HAVERHILL	MA	01830	
6	428-628-2	35	WANNALANCET RD	HAVERHILL	35 WANNALANCET ROAD REALTY TR	73 SEVEN SISTER RD	HAVERHILL	MA	01830	
7	428-628-3		WANNALANCET RD	HAVERHILL	32 WANNALANCET ROAD REALTY TR	73 SEVEN SISTER RD	HAVERHILL	MA	01830	
8	428-628-4		WANNALANCET RD	HAVERHILL	WHITMAN ARTHUR H	73 SEVEN SISTER RD	HAVERHILL	MA	01830	
9	428-628-5		WANNALANCET RD	HAVERHILL	SDSE EAST BROADWAY LLC	73 SEVEN SISTER RD	HAVERHILL	MA	01830	
10	428-628-6		WANNALANCET RD	HAVERHILL	SDSE EAST BROADWAY LLC	73 SEVEN SISTER RD	HAVERHILL	MA	01830	
11	441-1-14C	253	AMESBURY RD	HAVERHILL	SANCHEZ OSCAR M-ETUX	17 SANDLER TER	HAVERHILL	MA	01832	
12	441-1-14D	255	AMESBURY RD	HAVERHILL	KEENAN JAMES B ETUX	255 AMESBURY RD	HAVERHILL	MA	01830	
13	441-1-14E	25	ELLIOTT ST	HAVERHILL	PEPE MICHELE M	25 ELLIOTT ST	HAVERHILL	MA	01830	
14	441-1-17		AMESBURY RD	HAVERHILL	LABRANCHE VICTOR P	30 SHATTUCK ST	HAVERHILL	MA	01830	
15	459-2-1	26	ELLIOTT ST	HAVERHILL	MENNA JOYCE F	26 ELLIOTT STREET	HAVERHILL	MA	01830	
16	465-4-5	298	AMESBURY RD	HAVERHILL	EDDY STEVEN J	73 SEVEN SISTER RD	HAVERHILL	MA	01830	
17	465-4-5B	254	AMESBURY RD	HAVERHILL	KRE-BSL HUSKY HAVERHILL LLC	PO BOX 92129	SOUTHLAKE	TX	76092	
18	465-4-5B1		AMESBURY RD	HAVERHILL	NORTHERN ESSEX REALTY TRUST	198 SACO AVE	OLD ORCHARD BEACH	ME	04064	

B



Haverhill

City Clerk's Office, Room 118
Phone: 978-374-2312 Fax: 978-373-8490
cityclerk@haverhillma.gov

July 23, 2025

PUBLIC HEARING

City Council Chambers, City Hall, Room 202, 4 Summer st

Notice is hereby given that the following application for a license to store, keep, and use INFLAMMABLE LIQUIDS has been made to the City Clerk and the City Council will conduct a hearing for all parties interested, in a hybrid meeting (virtual/in person), on Tuesday, September 23, 2025; at 7:00 PM. This notice is given under the provisions of Chapter 148 of the General Laws - Steven J Eddy; requesting to store 20,000 gallons of diesel fuel and 2,500 gallons of Diesel Exhaust Fluid at proposed fueling station to be stored underground at 298 Amesbury Rd.

(Residents who are interested in commenting on this item can either (1) Attend in person (Council Chambers, Room 202) or (2) Attend remotely using the link provided on the public meeting calendar on the City's website.)

Description of area, maps and plans are on file in the City Clerk's Office.

Advertise: September 4 & September 11, 2025
Haverhill Gazette

Kaitlin M, Wright, CMC
City Clerk

C

Check type of mail or service:

- ☐ Certified
- ☐ COD
- ☐ Delivery Confirmation
- ☐ Registered
- ☐ Return Receipt for Merchandise
- ☐ Signature Confirmation

Affix Stamp Here
(If issued as a
certificate of mailing,
or for additional
copies of this bill)
Postmark and
Date of Receipt

Postage	Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	DC Fee	SC Fee	SH Fee	RD Fee	RR Fee
74	5.30									4.40

Name and Address of Sender

Article Number

1. 9589 07105270 1159 9260 71

2022-0393

2. 9589 07105270 1159 9260 88

3.

428-628-10

GELINAS PHILLIP P

316 AMESBURY RD

HAVERHILL, MA 01830

4.

428-628-13A

VIASS PROP INVES, LLC

P.O. BOX 1115

HAVERHILL, MA 01831

5.

428-628-13C

SDSE EAST BROADWAY LLC

73 SEVEN SISTER RD

HAVERHILL, MA 01830

7.

428-628-2

35 WANNALANCT ROAD REALTY TR

73 SEVEN SISTER RD

HAVERHILL, MA 01830

8. 9589 07105270 1159 9261 18

Total Number of Pieces
Listed by Sender

Total Number of Pieces
Received at Post Office

Postmaster, Per (Name of receiving employee)

See Privacy Act Statement on Reverse

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Name and Address of Sender		Check type of mail or service: ☒ Certified ☐ COD ☐ Delivery Confirmation ☐ Express Mail ☐ Insured ☐ Registered ☒ Return Receipt for Merchandise ☐ Signature Confirmation ☐ Recorded Delivery (International)		Affix Stamp Here (If issued as a certificate of mailing, or for additional copies of this bill)										
		Article Number		Postmark and Date of Receipt										
				Postage	Fee	Handling Charge	Actual Value if Registered	Insured Value	Due Sender if COD	DC Fee	SC Fee	SH Fee	RD Fee	RR Fee
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2.				428-628-4										
3. 9589 07105270 1159 9261 32				WHITMAN ARTHUR H										
4. 9589 07105270 1159 9261 49				73 SEVEN SISTER RD										
5.				HAVERRHILL, MA 01830										
6. 9589 07105270 1159 9261 56				428-628-5										
7.				SDSE EAST BROADWAY LLC										
8.		9589 07105270 1159 9261 63		73 SEVEN SISTER RD										
				428-628-6										
				SDSE EAST BROADWAY LLC										
				73 SEVEN SISTER RD										
				HAVERRHILL, MA 01830										
				441-1-14C										
				SANCHEZ OSCAR M-ETUX										
				17 SANDLER TER										
				HAVERRHILL, MA 01832										

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Name and Address of Sender		Check type of mail or service:		Affix Stamp Here (If issued as a certificate of mailing, or for additional copies of this bill)		Postmark and Date of Receipt		Handling Charge		Actual Value if Registered		Insured Value		Due Sender if COD		DC Fee		SC Fee		SH Fee		RD Fee		RR Fee	
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8. 9589 0710 5270 1159 9262 17																									

Postmaster, Per (Name of receiving employee)

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PS Form 3877, February 2002 (Page 1 of 2)

Name and Address of Sender		Article Number		Check type of mail or service:		Affix Stamp Here (If issued as a certificate of mailing, or for additional copies of this bill)		Postmark and Date of Receipt		Handling Charge		Actual Value if Registered		Insured Value		Due Sender if COD		DC Fee		SC Fee		SH Fee		RD Fee		RR Fee	
1. 9589 07105270 11599262 24		2622 - 0393		☒ Certified ☐ COD ☐ Delivery Confirmation ☐ Express Mail ☐ Insured		☐ Recorded Delivery (International) ☐ Registered ☒ Return Receipt for Merchandise ☐ Signature Confirmation		4.40		5.30																	
2. 465-4-58 KRE-BSL HUSKY HAVERHILL LLC PO BOX 92129 SOUTHLAKE, TX 76092								4.40		5.30																	
3. 9589 07105270 11599262 31																											
4. 465-4-581 NORTHERN ESSEX REALTY TRUST 198 SACO AVE OLD ORCHARD BEACH, ME 04064																											
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Old Orchard Beach, ME 04064

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\$ <u>5.30</u>	\$4.40	27

Extra Services & Fees (check box, add fee as appropriate)

☒ Return Receipt (hardcopy)	\$ <u>4.40</u>
☐ Return Receipt (electronic)	\$ \$0.00
☐ Certified Mail Restricted Delivery	\$ \$0.00
☐ Adult Signature Required	\$ \$0.00
☐ Adult Signature Restricted Delivery	\$ \$0.00

Postage
\$.74 \$0.78

Total Postage
\$ 10.44

Sent To
NORTHERN ESSEX REALTY TRUST

Street and Apt.
198 SACO AVE

City, State, Zip
OLD ORCHARD BEACH, ME 04064

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Southlake, TX 76092

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☒ Return Receipt (hardcopy)	\$ <u>4.40</u>
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☐ Certified Mail Restricted Delivery	\$ \$0.00
☐ Adult Signature Required	\$ \$0.00
☐ Adult Signature Restricted Delivery	\$ \$0.00

Postage
\$.74 \$0.78

Total Postage
\$ 10.44

Sent To
KRE-BSL HUSKY HAVERHILL LLC

Street and Apt.
PO BOX 92129

City, State, Zip
SOUTHLAKE, TX 76092

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09/09/2025

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Haverhill, MA 01830

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\$ <u>5.30</u>	\$4.40	27

Extra Services & Fees (check box, add fee as appropriate)

☒ Return Receipt (hardcopy)	\$ <u>4.40</u>
☐ Return Receipt (electronic)	\$ \$0.00
☐ Certified Mail Restricted Delivery	\$ \$0.00
☐ Adult Signature Required	\$ \$0.00
☐ Adult Signature Restricted Delivery	\$ \$0.00

Postage
\$.74 \$0.78

Total Postage
\$ 10.44

Sent To
EDDY STEVEN J

Street and Apt.
73 SEVEN SISTER RD

City, State, Zip
HAVERHILL, MA 01830

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Extra Services & Fees (check box, add fee as appropriate)

☒ Return Receipt (hardcopy)	\$ <u>4.40</u>
☐ Return Receipt (electronic)	\$ \$0.00
☐ Certified Mail Restricted Delivery	\$ \$0.00
☐ Adult Signature Required	\$ \$0.00
☐ Adult Signature Restricted Delivery	\$ \$0.00

Postage
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Total Postage
\$ 10.44

Sent To
MENNA JOYCE F

Street and Apt.
26 ELLIOTT STREET

City, State, Zip
HAVERHILL, MA 01830

PS Form 3800

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09/09/2025

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\$ <u>5.30</u>	\$4.40	27

Extra Services & Fees (check box, add fee as appropriate)

☒ Return Receipt (hardcopy)	\$ <u>4.40</u>
☐ Return Receipt (electronic)	\$ \$0.00
☐ Certified Mail Restricted Delivery	\$ \$0.00
☐ Adult Signature Required	\$ \$0.00
☐ Adult Signature Restricted Delivery	\$ \$0.00

Postage
\$.74 \$0.78

Total Postage
\$ 10.44

Sent To
LABRANCHE VICTOR P

Street and Apt.
30 SHATTUCK ST

City, State, Zip
HAVERHILL, MA 01830

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09/09/2025

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\$ <u>5.30</u>	\$4.40	27

Extra Services & Fees (check box, add fee as appropriate)

☒ Return Receipt (hardcopy)	\$ <u>4.40</u>
☐ Return Receipt (electronic)	\$ \$0.00
☐ Certified Mail Restricted Delivery	\$ \$0.00
☐ Adult Signature Required	\$ \$0.00
☐ Adult Signature Restricted Delivery	\$ \$0.00

Postage
\$.74 \$0.78

Total Postage
\$ 10.44

Sent To
PEPE MICHELE M

Street and Apt.
25 ELLIOTT ST

City, State, Zip
HAVERHILL, MA 01830

PS Form 3800

SEP - 9 2025
09/09/2025

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Haverhill, MA 01830	
Certified Mail Fee \$5.30	0813 27
Extra Services & Fees (check box, add fee as appropriate)	
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☐ Return Receipt (electronic) \$0.00	
☐ Certified Mail Restricted Delivery \$0.00	
☐ Adult Signature Required \$0.00	
☐ Adult Signature Restricted Delivery \$0.00	
Postage \$0.78	
Total Postage \$10.44	
Sent To 441-1-14D	
Street and Apt. KEENAN JAMES B ETUX	
City, State, Zip 255 AMESBURY RD	
HAVERHILL, MA 01830	

9589 0710 5270 1159 9261 56

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Haverhill, MA 01830	
Certified Mail Fee \$5.30	0813 27
Extra Services & Fees (check box, add fee as appropriate)	
☒ Return Receipt (hardcopy) \$4.40	
☐ Return Receipt (electronic) \$0.00	
☐ Certified Mail Restricted Delivery \$0.00	
☐ Adult Signature Required \$0.00	
☐ Adult Signature Restricted Delivery \$0.00	
Postage \$0.78	
Total Postage \$10.44	
Sent To 428-628-6	
Street and Apt. SDSE EAST BROADWAY LLC	
City, State, Zip 73 SEVEN SISTER RD	
HAVERHILL, MA 01830	

9589 0710 5270 1159 9261 32

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only	
For delivery information, visit our website at www.usps.com ®	
Haverhill, MA 01830	
Certified Mail Fee \$5.30	0813 27
Extra Services & Fees (check box, add fee as appropriate)	
☒ Return Receipt (hardcopy) \$4.40	
☐ Return Receipt (electronic) \$0.00	
☐ Certified Mail Restricted Delivery \$0.00	
☐ Adult Signature Required \$0.00	
☐ Adult Signature Restricted Delivery \$0.00	
Postage \$0.78	
Total Postage \$10.44	
Sent To 428-628-4	
Street and Apt. WHITMAN ARTHUR H	
City, State, Zip 73 SEVEN SISTER RD	
HAVERHILL, MA 01830	

9589 0710 5270 1159 9261 63

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only	
For delivery information, visit our website at www.usps.com ®	
Haverhill, MA 01832	
Certified Mail Fee \$5.30	0813 27
Extra Services & Fees (check box, add fee as appropriate)	
☒ Return Receipt (hardcopy) \$4.40	
☐ Return Receipt (electronic) \$0.00	
☐ Certified Mail Restricted Delivery \$0.00	
☐ Adult Signature Required \$0.00	
☐ Adult Signature Restricted Delivery \$0.00	
Postage \$0.78	
Total Postage \$10.44	
Sent To 441-1-14C	
Street and Apt. SANCHEZ OSCAR M-ETUX	
City, State, Zip 17 SANDLER TER	
HAVERHILL, MA 01832	

9589 0710 5270 1159 9261 49

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only	
For delivery information, visit our website at www.usps.com ®	
Haverhill, MA 01830	
Certified Mail Fee \$5.30	0813 27
Extra Services & Fees (check box, add fee as appropriate)	
☒ Return Receipt (hardcopy) \$4.40	
☐ Return Receipt (electronic) \$0.00	
☐ Certified Mail Restricted Delivery \$0.00	
☐ Adult Signature Required \$0.00	
☐ Adult Signature Restricted Delivery \$0.00	
Postage \$0.78	
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Sent To 428-628-5	
Street and Apt. SDSE EAST BROADWAY LLC	
City, State, Zip 73 SEVEN SISTER RD	
HAVERHILL, MA 01830	

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Extra Services & Fees (check box, add fee as appropriate)	
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☐ Return Receipt (electronic) \$0.00	
☐ Certified Mail Restricted Delivery \$0.00	
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☐ Adult Signature Restricted Delivery \$0.00	
Postage \$0.78	
Total Postage \$10.44	
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Street and Apt. B2 WANNALANCET ROAD REALTY TR	
City, State, Zip 73 SEVEN SISTER RD	
HAVERHILL, MA 01830	

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Certified Mail Fee	\$5.30	0813
Postage	\$0.74	27
Total Postage	\$6.04	

Sent To 428-628-2

Street and Apt 35 WANNALANCET ROAD REALTY TR

City, State, Zip 73 SEVEN SISTER RD

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Certified Mail Fee	\$5.30	0813
Postage	\$0.74	27
Total Postage	\$6.04	

Sent To 428-628-13C

Street and Apt SDSE EAST BROADWAY LLC

City, State, Zip 73 SEVEN SISTER RD

HAVERHILL, MA 01830

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Haverhill, MA 01831

Certified Mail Fee	\$5.30	0813
Postage	\$0.74	27
Total Postage	\$6.04	

Sent To 428-628-13A

Street and Apt MASS PROP INVES, LLC

City, State, Zip P.O. BOX 1115

HAVERHILL, MA 01831

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Haverhill, MA 01830

Certified Mail Fee	\$5.30	0813
Postage	\$0.74	27
Total Postage	\$6.04	

Sent To 428-628-10

Street and Apt GELINAS PHILLIP P

City, State, Zip 316 AMESBURY RD

HAVERHILL, MA 01830

PS Form 380

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Haverhill, MA 01830

Certified Mail Fee	\$5.30	0813
Postage	\$0.74	27
Total Postage	\$6.04	

Sent To 428-628-1

Street and Apt MATT, LLC

City, State, Zip 73 SEVEN SISTER RD

HAVERHILL, MA 01830

PS Form 380



FP-002A
(Rev. 6/23)

The Commonwealth of Massachusetts
City/Town of Haverhill

Application For License

Massachusetts General Law, Chapter 148 §13

☒ New License ☐ Amended License

GIS Coordinates

LAT.

LONG.

License Number

Application is hereby made in accordance with the provisions of Chapter 148 of the General Laws of Massachusetts for a license to store flammables, combustibles or explosives on land in buildings or structures herein described.

Location of Land: 298 Amesbury Road, Map #465, Block #4, Lot #5B
Number, Street and Assessor's Map and Parcel ID

Attach a plot plan of the property indicating the location of property lines and all buildings or structures.

Owner of Land: Eddy Steven J

Address of Land Owner: 298 Amesbury Road, Haverhill, MA

Use and Occupancy of Buildings and Structures: Diesel Fueling Facility with Convenience Store.

If this is an application for amendment of an existing license, indicate date of original license and any subsequent amendments

Attach a copy of the current license

Flammable and Combustible Liquids, Flammable Gases and Solids

Complete this section for the storage of flammable and combustible liquids, solids, and gases; see 527 CMR 1.00 Table 1.12.8.50; Attach additional pages if needed. All tanks and containers are considered full for the purposes of licensing and permitting.

PRODUCT NAME	CLASS	MAXIMUM QUANTITY	UNITS gal., lbs, cubic feet	CONTAINER UST, AST, IBC, drums
Diesel	II	20,000	Gal.	UST
DEF (Diesel Exhaust Fluid)		2,500	Gal.	UST

Total quantity of all flammable liquids to be stored: _____

Total quantity of all combustible liquids to be stored: 20,000 gallons

Total quantity of all flammable gases to be stored: _____

Total quantity of all flammable solids to be stored: _____

LP-gas (Complete this section for the storage of LP-gas or propane)

Indicate the maximum quantity of LP-gas to be stored and the sizes and capacities of all storage containers.
(See 527 CMR 1.00 Table 1.12.8.50)

❖ Maximum quantity (in gallons) of LP-gas to be stored in aboveground containers: _____

List sizes and capacities of all aboveground containers used for storage: _____

❖ Maximum quantity (in gallons) of LP-gas to be stored in underground containers: _____

List sizes and capacities of all underground containers used for storage: _____

Total aggregate quantity of all LP-gas to be stored: _____

Fireworks (Complete this section for the storage of fireworks)

Indicate classes of fireworks to be stored and maximum quantity of each class. (See 527 CMR 1.00 Table 1.12.8.50)

❖ Maximum amount (in pounds) of Class 1.3G: _____ Type/class of magazine used for storage: _____

❖ Maximum amount (in pounds) of Class 1.4G: _____ Type/class of magazine used for storage: _____

❖ Maximum amount (in pounds) of Class 1.4: _____ Type/class of magazine used for storage: _____

Total aggregate quantity of all classes of fireworks to be stored: _____

Explosives (Complete this section for the storage of explosives)

Indicate classes of explosive to be stored and maximum quantity of each class. (See 527 CMR 1.00 Table 1.12.8.50)

❖ Maximum amount (in pounds) of Class 1.1: _____ Number of magazines used for storage: _____

❖ Maximum amount (in pounds) of Class 1.2: _____ Number of magazines used for storage: _____

❖ Maximum amount (in pounds) of Class 1.3: _____ Number of magazines used for storage: _____

❖ Maximum amount (in pounds) of Class 1.4: _____ Number of magazines used for storage: _____

❖ Maximum amount (in pounds) of Class 1.5: _____ Number of magazines used for storage: _____

❖ Maximum amount (in pounds) of Class 1.6: _____ Number of magazines used for storage: _____

I, Johnny Kayrouz, hereby attest that I am authorized to make this application. I acknowledge that the information contained herein is accurate and complete to the best of my knowledge and belief. I acknowledge that all materials stored pursuant to any license granted hereunder must be stored or kept in accordance with all applicable laws, codes, rules and regulations, including but not limited to Massachusetts Chapter 148, and the Massachusetts Fire Code (527 CMR 1.00). I further acknowledge that the storage of any material specified in any license granted hereunder may not exceed the maximum quantity specified by the license.

Signature J. Kayrouz Date 07/11/2025 Name Johnny Kayrouz

PLEASE NOTE THAT ONLY APPLICATIONS WITH ORIGINAL WET SIGNATURES WILL BE ACCEPTED. PHOTOCOPIES OF APPLICATIONS WILL NOT BE PROCESSED.

Fire Department Use Only

I, ERIC M. TARPY, Head of the HAVERHILL Fire Department endorse this application with my

☒ Approval ☐ Disapproval

Signature of Head of the Fire Department E. M. Tarp

Date 9/9/2025

Recommendations: Follow all code requirements and best practices associated with the use, storage and maintenance of tanks, product and process.

ZONING ANALYSIS TABLE				
COMMUNITY ELEMENT (%)				
ZONING DISTRICT	ZONE DESIGN	REQUIRED	EXISTING	PERMITTED
		20.00 SF	10.00 SF	10.00 SF
	MINIMUM (1) OF 50			10.00 SF
	MAXIMUM (2) OF 50	20.00	20.00	10.00 SF
	MIN. USED IN TRUCK	20.00	20.00	10.00 SF
	MAX. USED IN TRUCK	10.00	10.00	20.00
	MIN. USED IN TRUCK (3)	10.00	10.00	20.00
	MAX. USED IN TRUCK (3)	10.00	10.00	20.00
	MIN. USED IN TRUCK (4)	10.00	10.00	20.00
	MAX. USED IN TRUCK (4)	10.00	10.00	20.00
	MIN. USED IN TRUCK (5)	10.00	10.00	20.00
	MAX. USED IN TRUCK (5)	10.00	10.00	20.00
	MIN. USED IN TRUCK (6)	10.00	10.00	20.00
	MAX. USED IN TRUCK (6)	10.00	10.00	20.00
	MIN. USED IN TRUCK (7)	10.00	10.00	20.00
	MAX. USED IN TRUCK (7)	10.00	10.00	20.00
	MIN. USED IN TRUCK (8)	10.00	10.00	20.00
	MAX. USED IN TRUCK (8)	10.00	10.00	20.00
	MIN. USED IN TRUCK (9)	10.00	10.00	20.00
	MAX. USED IN TRUCK (9)	10.00	10.00	20.00
	MIN. USED IN TRUCK (10)	10.00	10.00	20.00
	MAX. USED IN TRUCK (10)	10.00	10.00	20.00
	MIN. USED IN TRUCK (11)	10.00	10.00	20.00
	MAX. USED IN TRUCK (11)	10.00	10.00	20.00
	MIN. USED IN TRUCK (12)	10.00	10.00	20.00
	MAX. USED IN TRUCK (12)	10.00	10.00	20.00
	MIN. USED IN TRUCK (13)	10.00	10.00	20.00
	MAX. USED IN TRUCK (13)	10.00	10.00	20.00
	MIN. USED IN TRUCK (14)	10.00	10.00	20.00
	MAX. USED IN TRUCK (14)	10.00	10.00	20.00
	MIN. USED IN TRUCK (15)	10.00	10.00	20.00
	MAX. USED IN TRUCK (15)	10.00	10.00	20.00
	MIN. USED IN TRUCK (16)	10.00	10.00	20.00
	MAX. USED IN TRUCK (16)	10.00	10.00	20.00
	MIN. USED IN TRUCK (17)	10.00	10.00	20.00
	MAX. USED IN TRUCK (17)	10.00	10.00	20.00
	MIN. USED IN TRUCK (18)	10.00	10.00	20.00
	MAX. USED IN TRUCK (18)	10.00	10.00	20.00
	MIN. USED IN TRUCK (19)	10.00	10.00	20.00
	MAX. USED IN TRUCK (19)	10.00	10.00	20.00
	MIN. USED IN TRUCK (20)	10.00	10.00	20.00
	MAX. USED IN TRUCK (20)	10.00	10.00	20.00
	MIN. USED IN TRUCK (21)	10.00	10.00	20.00
	MAX. USED IN TRUCK (21)	10.00	10.00	20.00
	MIN. USED IN TRUCK (22)	10.00	10.00	20.00
	MAX. USED IN TRUCK (22)	10.00	10.00	20.00
	MIN. USED IN TRUCK (23)	10.00	10.00	20.00
	MAX. USED IN TRUCK (23)	10.00	10.00	20.00
	MIN. USED IN TRUCK (24)	10.00	10.00	20.00
	MAX. USED IN TRUCK (24)	10.00	10.00	20.00
	MIN. USED IN TRUCK (25)	10.00	10.00	20.00
	MAX. USED IN TRUCK (25)	10.00	10.00	20.00
	MIN. USED IN TRUCK (26)	10.00	10.00	20.00
	MAX. USED IN TRUCK (26)	10.00	10.00	20.00
	MIN. USED IN TRUCK (27)	10.00	10.00	20.00
	MAX. USED IN TRUCK (27)	10.00	10.00	20.00
	MIN. USED IN TRUCK (28)	10.00	10.00	20.00
	MAX. USED IN TRUCK (28)	10.00	10.00	20.00
	MIN. USED IN TRUCK (29)	10.00	10.00	20.00
	MAX. USED IN TRUCK (29)	10.00	10.00	20.00
	MIN. USED IN TRUCK (30)	10.00	10.00	20.00
	MAX. USED IN TRUCK (30)	10.00	10.00	20.00
	MIN. USED IN TRUCK (31)	10.00	10.00	20.00
	MAX. USED IN TRUCK (31)	10.00	10.00	20.00
	MIN. USED IN TRUCK (32)	10.00	10.00	20.00
	MAX. USED IN TRUCK (32)	10.00	10.00	20.00
	MIN. USED IN TRUCK (33)	10.00	10.00	20.00
	MAX. USED IN TRUCK (33)	10.00	10.00	20.00

ZONING ANALYSIS TABLE				
COMMUNITY ELEMENT (%)				
ZONING DISTRICT	ZONE DESIGN	REQUIRED	EXISTING	PERMITTED
		20.00 SF	10.00 SF	10.00 SF
	MINIMUM (1) OF 50			10.00 SF
	MAXIMUM (2) OF 50	20.00	10.00	10.00
	MIN. USED IN TRUCK			10.00
	MAX. USED IN TRUCK	10	10	10.00
	MIN. USED IN TRUCK (3)		10	10.00
	MAX. USED IN TRUCK (3)	10	10	10.00
	MIN. USED IN TRUCK (4)		10	10.00
	MAX. USED IN TRUCK (4)	10	10	10.00
	MIN. USED IN TRUCK (5)		10	10.00
	MAX. USED IN TRUCK (5)	10	10	10.00
	MIN. USED IN TRUCK (6)		10	10.00
	MAX. USED IN TRUCK (6)	10	10	10.00
	MIN. USED IN TRUCK (7)		10	10.00
	MAX. USED IN TRUCK (7)	10	10	10.00
	MIN. USED IN TRUCK (8)		10	10.00
	MAX. USED IN TRUCK (8)	10	10	10.00
	MIN. USED IN TRUCK (9)		10	10.00
	MAX. USED IN TRUCK (9)	10	10	10.00
	MIN. USED IN TRUCK (10)		10	10.00
	MAX. USED IN TRUCK (10)	10	10	10.00
	MIN. USED IN TRUCK (11)		10	10.00
	MAX. USED IN TRUCK (11)	10	10	10.00
	MIN. USED IN TRUCK (12)		10	10.00
	MAX. USED IN TRUCK (12)	10	10	10.00
	MIN. USED IN TRUCK (13)		10	10.00
	MAX. USED IN TRUCK (13)	10	10	10.00
	MIN. USED IN TRUCK (14)		10	10.00
	MAX. USED IN TRUCK (14)	10	10	10.00
	MIN. USED IN TRUCK (15)		10	10.00
	MAX. USED IN TRUCK (15)	10	10	10.00
	MIN. USED IN TRUCK (16)		10	10.00
	MAX. USED IN TRUCK (16)	10	10	10.00
	MIN. USED IN TRUCK (17)		10	10.00
	MAX. USED IN TRUCK (17)	10	10	10.00
	MIN. USED IN TRUCK (18)		10	10.00
	MAX. USED IN TRUCK (18)	10	10	10.00
	MIN. USED IN TRUCK (19)		10	10.00
	MAX. USED IN TRUCK (19)	10	10	10.00
	MIN. USED IN TRUCK (20)		10	10.00
	MAX. USED IN TRUCK (20)	10	10	10.00
	MIN. USED IN TRUCK (21)		10	10.00
	MAX. USED IN TRUCK (21)	10	10	10.00
	MIN. USED IN TRUCK (22)		10	10.00
	MAX. USED IN TRUCK (22)	10	10	10.00
	MIN. USED IN TRUCK (23)		10	10.00
	MAX. USED IN TRUCK (23)	10	10	10.00
	MIN. USED IN TRUCK (24)		10	10.00
	MAX. USED IN TRUCK (24)	10	10	10.00
	MIN. USED IN TRUCK (25)		10	10.00
	MAX. USED IN TRUCK (25)	10	10	10.00
	MIN. USED IN TRUCK (26)		10	10.00
	MAX. USED IN TRUCK (26)	10	10	10.00
	MIN. USED IN TRUCK (27)		10	10.00
	MAX. USED IN TRUCK (27)	10	10	10.00
	MIN. USED IN TRUCK (28)		10	10.00
	MAX. USED IN TRUCK (28)	10	10	10.00
	MIN. USED IN TRUCK (29)		10	10.00
	MAX. USED IN TRUCK (29)	10	10	10.00
	MIN. USED IN TRUCK (30)		10	10.00
	MAX. USED IN TRUCK (30)	10	10	10.00
	MIN. USED IN TRUCK (31)		10	10.00
	MAX. USED IN TRUCK (31)	10	10	10.00
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	MAX. USED IN TRUCK (32)	10	10	10.00
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	MAX. USED IN TRUCK (60)	10	10	10.00
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	MIN. USED IN TRUCK (62)		10	10.00
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	MAX. USED IN TRUCK (66)	10	10	10.00
	MIN. USED IN TRUCK (67)		10	10.00
	MAX. USED IN TRUCK (67)	10	10	10.00
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	MIN. USED IN TRUCK (69)		10	10.00
	MAX. USED IN TRUCK (69)	10	10	10.00
	MIN. USED IN TRUCK (70)		10	10.00
	MAX. USED IN TRUCK (70)	10	10	10.00
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	MAX. USED IN TRUCK (71)	10	10	10.00
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	MIN. USED IN TRUCK (73)		10	10.00
	MAX. USED IN TRUCK (73)	10	10	10.00
	MIN. USED IN TRUCK (74)		10	10.00
	MAX. USED IN TRUCK (74)	10	10	10.00
	MIN. USED IN TRUCK (75)		10	10.00
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	MIN. USED IN TRUCK (76)		10	10.00
	MAX. USED IN TRUCK (76)	10	10	10.00
	MIN. USED IN TRUCK (77)		10	10.00
	MAX. USED IN TRUCK (77)	10	10	10.00
	MIN. USED IN TRUCK (78)		10	10.00
	MAX. USED IN TRUCK (78)	10	10	10.00
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	MIN. USED IN TRUCK (83)		10	10.00
	MAX. USED IN TRUCK (83)	10	10	10.00
	MIN. USED IN TRUCK (84)		10	10.00
	MAX. USED IN TRUCK (84)	10	10	10.00
	MIN. USED IN TRUCK (85)		10	10.00
	MAX. USED IN TRUCK (85)	10	10	10.00
	MIN. USED IN TRUCK (86)		10	10.00
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	MIN. USED IN TRUCK (87)		10	10.00
	MAX. USED IN TRUCK (87)	10	10	10.00
	MIN. USED IN TRUCK (88)		10	10.00
	MAX. USED IN TRUCK (88)	10	10	10.00
	MIN. USED IN TRUCK (89)		10	10.00
	MAX. USED IN TRUCK (89)	10	10	10.00
	MIN. USED IN TRUCK (90)		10	10.00
	MAX. USED IN TRUCK (90)	10	10	10.00
	MIN. USED IN TRUCK (91)		10	10.00
	MAX. USED IN TRUCK (91)	10	10	10.00
	MIN. USED IN TRUCK (92)		10	10.00
	MAX. USED IN TRUCK (92)	10	10	10.00
	MIN. USED IN TRUCK (93)		10	10.00
	MAX. USED IN TRUCK (93)	10	10	10.00
	MIN. USED IN TRUCK (94)		10	10.00
	MAX. USED IN TRUCK (94)	10	10	10.00
	MIN. USED IN TRUCK (95)		10	10.00
	MAX. USED IN TRUCK (95)	10	10	10.00
	MIN. USED IN TRUCK (96)		10	10.00
	MAX. USED IN TRUCK (96)	10	10	10.00
	MIN. USED IN TRUCK (97)		10	10.00
	MAX. USED IN TRUCK (97)	10	10	10.00
	MIN. USED IN TRUCK (98)		10	10.00
	MAX. USED IN TRUCK (98)	10	10	10.00
	MIN. USED IN TRUCK (99)		10	10.00
	MAX. USED IN TRUCK (99)	10	10	10.00
	MIN. USED IN TRUCK (100)		10	10.00
	MAX. USED IN TRUCK (100)	10	10	10.00
	MIN. USED IN TRUCK (101)		10	10.00
	MAX. USED IN TRUCK (101)	10	10	10.00
	MIN. USED IN TRUCK (102)		10	10.00
	MAX. USED IN TRUCK (102)	10	10	10.00
	MIN. USED IN TRUCK (103)		10	10.00
	MAX. USED IN TRUCK (103)	10	10	10.00
	MIN. USED IN TRUCK (104)		10	10.00
	MAX. USED IN TRUCK (104)	10	10	10.00
	MIN. USED IN TRUCK (105)		10	10.00
	MAX. USED IN TRUCK (105)	10	10	10.00
	MIN. USED IN TRUCK (106)		10	10.00
	MAX. USED IN TRUCK (106)	10	10	10.00
	MIN. USED IN TRUCK (107)		10	10.00
	MAX. USED IN TRUCK (107)	10	10	10.00
	MIN. USED IN TRUCK (108)		10	10.00
	MAX. USED IN TRUCK (108)	10	10	10.00
	MIN. USED IN TRUCK (109)		10	10.00
	MAX. USED IN TRUCK (109)	10	10	10.00
	MIN. USED IN TRUCK (110)		10	10.00
	MAX. USED IN TRUCK (110)	10	10	10.00
	MIN. USED IN TRUCK (111)		10	10.00
	MAX. USED IN TRUCK (111)	10	10	10.00
	MIN. USED IN TRUCK (112)		10	10.00
	MAX. USED IN TRUCK (112)	10	10	10.00
	MIN. USED IN TRUCK (113)		10	10.00
	MAX. USED IN TRUCK (113)	10	10	10.00
	MIN. USED IN TRUCK (114)		10	10.00
	MAX. USED IN TRUCK (114)	10	10	10.00
	MIN. USED IN TRUCK (115)		10	10.00
	MAX. USED IN TRUCK (115)	10	10	10.00
	MIN. USED IN TRUCK (116)		10	10.00
	MAX. USED IN TRUCK (116)	10	10	10.00
	MIN. USED IN TRUCK (117)		10	10.00
	MAX. USED IN TRUCK (117)	10	10	10.00
	MIN. USED IN TRUCK (118)		10	10.00
	MAX. USED IN TRUCK (118)	10	10	10.00
	MIN. USED IN TRUCK (119)		10	10.00
	MAX. USED IN TRUCK (119)	10	10	10.00
	MIN. USED IN TRUCK (120)		10	10.00
	MAX. USED IN TRUCK (120)	10	10	10.00
	MIN. USED IN TRUCK (121)		10	10.00
	MAX. USED IN TRUCK (121)	10	10	10.00
	MIN. USED IN TRUCK (122)		10	10.00
	MAX. USED IN TRUCK (122)	10	10	10.00
	MIN. USED IN TRUCK (123)		10	10.00
	MAX. USED IN TRUCK (123)	10	10	10.00
	MIN. USED IN TRUCK (124)		10	10.00
	MAX. USED IN TRUCK (124)	10	10	10.00
	MIN. USED IN TRUCK (125)		10	10.00
	MAX. USED IN TRUCK (125)	10	10	10.00
	MIN. USED IN TRUCK (126)		10	10.00
	MAX. USED IN TRUCK (126)	10	10	10.00
	MIN. USED IN TRUCK (127)		10	10.00
	MAX. USED IN TRUCK (127)	10	10	10.00
	MIN. USED IN TRUCK (128)		10	10.00
	MAX. USED IN TRUCK (128)	10	10	10.00
	MIN. USED IN TRUCK (129)		10	10.00
	MAX. USED IN TRUCK (129)	10	10	10.00
	MIN. USED IN TRUCK (130)		10	10.00
	MAX. USED IN TRUCK (130)	10	10	10.00
	MIN. USED IN TRUCK (131)		10	10.00
	MAX. USED IN TRUCK (131)	10	10	10.00
	MIN. USED IN TRUCK (132)		10	10.00
	MAX. USED IN TRUCK (132)	10	10	10.00
	MIN. USED IN TRUCK (133)		10	10.00
	MAX. USED IN TRUCK (133)	10	10	10.00
	MIN. USED IN TRUCK (134)		10	10.00
	MAX. USED IN TRUCK (134)	10	10	10.00
	MIN. USED IN TRUCK (135)		10	10.00
	MAX. USED IN TRUCK (135)	10	10	10.00
	MIN. USED IN TRUCK (136)		10	10.00
	MAX. USED IN TRUCK (136)	10	10	10.00
	MIN. USED IN TRUCK (137)		10	10.00
	MAX. USED IN TRUCK (137)	10	10	10.00
	MIN. USED IN TR			

ZONING ANALYSIS TABLE				
COMMUNITY ELEMENT (%)				
ZONING DISTRICT	ZONE DESIGN	REQUIRED	EXISTING	PERMITTED
		20.00 SF	10.00 SF	10.00 SF
	MINIMUM (1) OF 50			10.00 SF
	MAXIMUM (2) OF 50	20.00	20.00	10.00 SF
	MIN. USED IN TRUCK	20.00	20.00	10.00 SF
	MAX. USED IN TRUCK	10.00	10.00	20.00
	MIN. USED IN TRUCK (3)	10.00	10.00	20.00
	MAX. USED IN TRUCK (3)	20.00	20.00	10.00 SF
	MIN. USED IN TRUCK (4)	20.00	20.00	10.00 SF
	MAX. USED IN TRUCK (4)	10.00	10.00	20.00
	MIN. USED IN TRUCK (5)	20.00	20.00	10.00 SF
	MAX. USED IN TRUCK (5)	10.00	10.00	20.00
	MIN. USED IN TRUCK (6)	20.00	20.00	10.00 SF
	MAX. USED IN TRUCK (6)	10.00	10.00	20.00
	MIN. USED IN TRUCK (7)	20.00	20.00	10.00 SF
	MAX. USED IN TRUCK (7)	10.00	10.00	20.00
	MIN. USED IN TRUCK (8)	20.00	20.00	10.00 SF
	MAX. USED IN TRUCK (8)	10.00	10.00	20.00
	MIN. USED IN TRUCK (9)	20.00	20.00	10.00 SF
	MAX. USED IN TRUCK (9)	10.00	10.00	20.00
	MIN. USED IN TRUCK (10)	20.00	20.00	10.00 SF
	MAX. USED IN TRUCK (10)	10.00	10.00	20.00
	MIN. USED IN TRUCK (11)	20.00	20.00	10.00 SF
	MAX. USED IN TRUCK (11)	10.00	10.00	20.00
	MIN. USED IN TRUCK (12)	20.00	20.00	10.00 SF
	MAX. USED IN TRUCK (12)	10.00	10.00	20.00
	MIN. USED IN TRUCK (13)	20.00	20.00	10.00 SF
	MAX. USED IN TRUCK (13)	10.00	10.00	20.00
	MIN. USED IN TRUCK (14)	20.00	20.00	10.00 SF
	MAX. USED IN TRUCK (14)	10.00	10.00	20.00
	MIN. USED IN TRUCK (15)	20.00	20.00	10.00 SF
	MAX. USED IN TRUCK (15)	10.00	10.00	20.00
	MIN. USED IN TRUCK (16)	20.00	20.00	10.00 SF
	MAX. USED IN TRUCK (16)	10.00	10.00	20.00
	MIN. USED IN TRUCK (17)	20.00	20.00	10.00 SF
	MAX. USED IN TRUCK (17)	10.00	10.00	20.00
	MIN. USED IN TRUCK (18)	20.00	20.00	10.00 SF
	MAX. USED IN TRUCK (18)	10.00	10.00	20.00
	MIN. USED IN TRUCK (19)	20.00	20.00	10.00 SF
	MAX. USED IN TRUCK (19)	10.00	10.00	20.00
	MIN. USED IN TRUCK (20)	20.00	20.00	10.00 SF
	MAX. USED IN TRUCK (20)	10.00	10.00	20.00
	MIN. USED IN TRUCK (21)	20.00	20.00	10.00 SF
	MAX. USED IN TRUCK (21)	10.00	10.00	20.00
	MIN. USED IN TRUCK (22)	20.00	20.00	10.00 SF
	MAX. USED IN TRUCK (22)	10.00	10.00	20.00
	MIN. USED IN TRUCK (23)	20.00	20.00	10.00 SF
	MAX. USED IN TRUCK (23)	10.00	10.00	20.00
	MIN. USED IN TRUCK (24)	20.00	20.00	10.00 SF
	MAX. USED IN TRUCK (24)	10.00	10.00	20.00
	MIN. USED IN TRUCK (25)	20.00	20.00	10.00 SF
	MAX. USED IN TRUCK (25)	10.00	10.00	20.00
	MIN. USED IN TRUCK (26)	20.00	20.00	10.00 SF
	MAX. USED IN TRUCK (26)	10.00	10.00	20.00
	MIN. USED IN TRUCK (27)	20.00	20.00	10.00 SF
	MAX. USED IN TRUCK (27)	10.00	10.00	20.00
	MIN. USED IN TRUCK (28)	20.00	20.00	10.00 SF
	MAX. USED IN TRUCK (28)	10.00	10.00	20.00
	MIN. USED IN TRUCK (29)	20.00	20.00	10.00 SF
	MAX. USED IN TRUCK (29)	10.00	10.00	20.00
	MIN. USED IN TRUCK (30)	20.00	20.00	10.00 SF
	MAX. USED IN TRUCK (30)	10.00	10.00	20.00
	MIN. USED IN TRUCK (31)	20.00	20.00	10.00 SF
	MAX. USED IN TRUCK (31)	10.00	10.00	20.00
	MIN. USED IN TRUCK (32)	20.00	20.00	10.00 SF
	MAX. USED IN TRUCK (32)	10.00	10.00	20.00
	MIN. USED IN TRUCK (33)	20.00	20.00	10.00 SF
	MAX. USED IN TRUCK (33)	10.00		

THIS PLAN TO BE UTILIZED FOR SITE
LAYOUT PURPOSES ONLY



PROJECT NO.	WTR1189
DRAWN BY	AJL/KCAP
CHECKED BY	JMJ
DATE	11/15/2019
SCALE	AS NOTED
CAD TO	WTR1189.DWG

**KAYROUZ
REALTY, LLC**

LOCATION OF SITE
MAP #603, BLOCK #4, LOT #68
298 AMESBURY ROAD
TOWN OF HAVERRILL
ESSEX COUNTY,
MASSACHUSETTS

J.G. SWERLING
PROFESSIONAL ENGINEER
www.BöhlerEngineering.com

SITE PLAN

C-201

SHEET NUMBER

REV B - 09/05/2025





Haverhill

City Clerk's Office, Room 118
Phone: 978-374-2312 Fax: 978-373-8490
cityclerk@haverhillma.gov

July 23, 2025

PUBLIC HEARING

City Council Chambers, City Hall, Room 202, 4 Summer st

Notice is hereby given that the following application for a license to store, keep, and use INFLAMMABLE LIQUIDS has been made to the City Clerk and the City Council will conduct a hearing for all parties interested, in a hybrid meeting (virtual/in person), on Tuesday, September 23, 2025; at 7:00 PM. This notice is given under the provisions of Chapter 148 of the General Laws - Steven J Eddy; requesting to store 20,000 gallons of diesel fuel and 2,500 gallons of Diesel Exhaust Fluid at proposed fueling station to be stored underground at 298 Amesbury Rd.

(Residents who are interested in commenting on this item can either (1) Attend in person (Council Chambers, Room 202) or (2) Attend remotely using the link provided on the public meeting calendar on the City's website.)

Description of area, maps and plans are on file in the City Clerk's Office.

Advertise: September 4 & September 11, 2025
Haverhill Gazette

Kaitlin M, Wright, CMC
City Clerk

JOHNSON &
BORENSTEIN, LLC
ATTORNEYS AT LAW

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Tel: 978-475-4488
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Gordon T. Glass (ME, MA)
Philip J. Czarnec (MA)
Jonathan R. Stark-Sachs (MA, NH)
Briana R. McCarthy (MA)

Of Counsel
Robert W. Lavoie (MA, NH)

Paralegals
Karen L. Bussell
Lianne Patenaude
Ellen M. Melvin
Kristin L. Sayer

June 30, 2025

Haverhill City Council
c/o City Clerk
City Hall
4 Summer Street
Haverhill, MA 01830

Re: Request to Reopen Hearing; Flammable Storage License Application on remand
from the Land Court
Kayrouz Petroleum, LLC; 298 Amesbury Road, Haverhill, MA

Dear Council President and Councilors:

I represent Kayrouz Petroleum, LLC, ("Kayrouz"). Kayrouz respectfully submits this letter to serve as its formal request for the City Council to place the above-referenced matter on its agenda and reopen its hearing regarding a flammables storage license application under G.L. c. 148, s. 13, for 298 Amesbury Road ("Property"). Kayrouz submits this request pursuant to the mediated settlement endorsed by the Council and the Order of Remand issued by the Land Court.

Background

In 2022, in connection with its proposal to construct a fueling station, Kayrouz sought a flammables storage license for the Property. Kayrouz had previously completed a lengthy site plan review process and received site plan approval for the project from the City. Following a public hearing, the Council voted to deny the application on August 9, 2022. The Council's denial was filed with the City Clerk and Kayrouz timely appealed the decision to both the Land Court and the Superior Court. On appeal, Kayrouz asserted that the denial was procedurally defective, arbitrary, capricious, and not based on substantial evidence, and, further, that the proposed use was allowed as a matter of right under the City's zoning ordinance.

Following the commencement of the appeal, Kayroux and the Council participated in a formal mediation conducted by retired Land Court Justice Harry M. Grossman. The mediation was successful and resulted in a settlement agreement, later endorsed by a vote of the full Council.

Settlement Agreement

Under the Settlement Agreement, Kayroux was obligated to submit additional information from its consultants, for review and comment by City staff, regarding the Council's concerns with traffic safety and fuel storage tank safety. Pursuant to the Settlement Agreement, the Council would then reopen its hearing to consider this additional, new information and to reconsider its original denial.

In accordance with the terms of the Settlement Agreement, Kayroux engaged licensed professionals to prepare a comprehensive traffic impact assessment report and a tank safety report. At the request of the City Engineer, Kayroux also funded the City's engagement of a peer review consultant to conduct a peer review of the environmental safety of the proposed underground storage tank installation design. These reports and additional information have been reviewed by City staff and officials, including the City Engineer and Haverhill Fire Department and the project team believes all comments have been successfully addressed.

A copy of the following materials are enclosed for your review and inclusion in the Council's record:

1. Traffic Impact Assessment, Vanasse & Assoc., Inc., dated June 2023
2. Tank Safety Peer Review Report, Tetrattech, dated April 30, 2025
3. Tank Safety Report, Environmental Risk Advisors, dated July 7, 2023
4. Vanasse & Assoc., Inc. response to City Engineer's Traffic Comments, dated August 5, 2024
5. Bohler Engineering response to City Engineer's Traffic Comments, dated October 18, 2024
6. Mediated Settlement Agreement
7. Land Court Order of Remand

Kayroux Petroleum, LLC, hereby respectfully requests that the City Council:

- Schedule the matter on the agenda of an upcoming Council meeting, *the Applicant team is available August 26, and September 9, & 23;*
- Reopen the public hearing on the flammable storage license application;
- Review and consider the technical reports and other new and additional information submitted by the Applicant and the comments of City staff; and
- Reconsider the Council's prior denial in light of this new and additional information and take appropriate action, consistent with the Settlement Agreement and Land Court Remand Order.

Kayrouz Petroleum, LLC, and it's project team look forward to presenting these materials to the Council and are available to provide any additional information or materials the Council may request in advance of its hearing.

Thank you for your attention to this matter.

Very truly yours,

JOHNSON & BORENSTEIN, LLC

/s/Donald F. Borenstein
Donald F. Borenstein

DFB~klb

Cc: Thomas C. Fallon, Esq.
John H. Pettis, III, P.E., City Engineer
Eric Tarpy, Deputy Fire Chief
Lucien M. DiStefano, Bohler Engineering
Scott W. Thornton, P.E., Vanasse & Assoc., Inc.
Matthew T. Madden, P.E., Tetrattech,
Christopher P. Parent, LSP, Environmental Risk Advisors,

Transportation Impact Assessment

Proposed Diesel Fueling Facility
298 Amesbury Road
Haverhill, Massachusetts

Prepared for:

Kayrouz Realty, LLC
Westborough, Massachusetts

June 2023

Prepared by:

 **Vanasse &
Associates inc**
Transportation Engineers & Planners

35 New England Business Center Drive
Suite 140
Andover, MA 01810

CONTENTS

EXECUTIVE SUMMARY	1
INTRODUCTION	4
Study Methodology	4
EXISTING CONDITIONS	5
Geometry	5
Existing Traffic Volumes	6
Pedestrian and Bicycle Facilities	7
Public Transportation	7
Motor Vehicle Crash Data	7
Vehicle Speeds	10
FUTURE CONDITIONS	11
Future Traffic Growth	11
Project-Generated Traffic	12
Trip Distribution and Assignment	14
Future Traffic Volumes – Build Condition	15
SIGHT DISTANCE EVALUATION	17
TRAFFIC OPERATIONS ANALYSIS	19
Methodology	19
Analysis Results	21
RECOMMENDATIONS AND CONCLUSIONS	24
Recommendations	25
Conclusions	25

FIGURES

No.	Title
1	Site Location and Study Area Map
2	Existing Intersection Lane Use, Travel Lane Width, and Pedestrian Facilities
3	2023 Existing Weekday Morning Peak-Hour Traffic Volumes
4	2023 Existing Weekday Evening Peak-Hour Traffic Volumes
5	2023 Existing Saturday Midday Peak-Hour Traffic Volumes
6	2030 No-Build Weekday Morning Peak-Hour Traffic Volumes
7	2030 No-Build Weekday Evening Peak-Hour Traffic Volumes
8	2030 No-Build Saturday Midday Peak-Hour Traffic Volumes
9	Trip Distribution Map
10	Site-Generated Weekday Morning Peak-Hour Traffic Volumes
11	Site-Generated Weekday Evening Peak-Hour Traffic Volumes
12	Site-Generated Saturday Midday Peak-Hour Traffic Volumes
13	2030 Build Weekday Morning Peak-Hour Traffic Volumes
14	2030 Build Weekday Evening Peak-Hour Traffic Volumes
15	2030 Build Saturday Midday Peak-Hour Traffic Volumes

TABLES

No.	Title
1	2023 Existing Roadway Traffic-Volume Summary
2	Public Transportation Services
3	Motor Vehicle Crash Data Summary
4	Observed Vehicle Speeds (in Miles per Hour)
5	ITE vs. Empirical Trip Rate Comparison
6	Proposed Site Trip-Generation Summary
7	Trip-Distribution Summary
8	Peak-Hour Traffic-Volume Increases
9	Sight Distance Measurements
10	Level-of-Service Criteria for Unsignalized Intersections
11	Unsignalized Intersection Capacity Analysis Summary

EXECUTIVE SUMMARY

DESCRIPTION OF PROJECT

Vanasse & Associates, Inc. (VAI) has prepared this Transportation Impact Assessment (TIA) to identify traffic impacts associated with a proposed Diesel Fueling Facility to be located at 298 Amesbury Road in Haverhill, Massachusetts (the "Project"). The purpose of this TIA is to review existing and future traffic conditions in the vicinity of the site, determine the traffic impact of the proposed Project at key intersections expected to experience increased traffic levels from the Project, and review the need for improvements to mitigate the Project's traffic impact.

PROPOSED PROJECT

The site is bounded by areas of open and wooded space to the north and west, areas of open and wooded space and residential properties to the south, and Amesbury Road (Route 110) to the east. Currently, the site contains one residential building and one commercial building and has one curb cut onto Route 110. The Project entails razing the two existing buildings. The site will consist of a 1,482 square feet (sf) convenience store with 5 diesel pumps and 9 parking spaces. Site access will be provided via a new curb cut onto Route 110.

EXISTING CONDITIONS

A comprehensive field inventory was conducted to collect existing roadway geometrics, traffic volumes, operating characteristics, speed limits, and sight distances, as well as land use information. Traffic volumes were collected in April 2023 at the intersections expected to receive the traffic impact from the Project. These are listed below:

- Amesbury Road (Route 110) at I-495 southbound ramps
- Route 110 at I-495 northbound ramps and Wannalancet Road
- Route 110 at Elliott Street

FUTURE CONDITIONS

Traffic volumes within the study area were projected to 2030, which reflects a seven-year planning horizon consistent with State traffic study guidelines. These conditions incorporate traffic growth due to general background traffic increases as well as development projects currently being proposed/permitted or under construction and expected to generate traffic in the future. This condition is referred to as the No-Build condition.

PROJECT-GENERATED TRAFFIC

The Project is expected to generate 23 truck trips (12 entering and 11 exiting) during the weekday morning peak hour and 12 truck trips (6 entering and 6 exiting) during the weekday evening peak hour. On a Saturday midday peak hour, the Project is expected to generate 10 truck trips (5 entering and 5 exiting).

Project-related traffic-volume increases external to the study area relative to 2030 No-Build conditions are anticipated to range from 2 to 10 vehicles or 0.1 to 1.4 percent during the peak periods.

TRAFFIC OPERATIONS ANALYSIS

In future conditions, operations are generally preserved with minor increases in delays and vehicle queue lengths on the various approaches.

RECOMMENDATIONS

Access to the Project site will be provided via a new curb cut onto Route 110. The following recommendations are offered with respect to the design and operation of the Project site driveway:

- The driveway should be placed under STOP-sign (*Manual on Uniform Traffic Control Devices* (MUTCD)¹ R1-1) control, with a painted STOP-bar included.
- All signs and other pavement markings to be installed within the Project site shall conform to the applicable standards of the current MUTCD.
- Signs and landscaping adjacent to the Project site driveway should be designed and maintained so as not to restrict lines of sight.
- Snow windrows within sight triangle areas of the Project site driveway should be promptly removed where such accumulations would impede sightlines.

¹*Manual on Uniform Traffic Control Devices (MUTCD)*; Federal Highway Administration; Washington, D.C.; 2009.

CONCLUSIONS

As documented in this study, Project-related traffic increases will not result in significant increases on overall traffic volumes or traffic delays within the study area. The site driveway will provide efficient access to and from the development. In general, Project-related traffic can be adequately accommodated within the existing infrastructure with minimal impact on the traffic operations within the study area.

INTRODUCTION

Vanasse & Associates, Inc. (VAI) has prepared this Transportation Impact Assessment (TIA) in order to identify the traffic impacts associated with the proposed Diesel Fueling Facility to be located at 298 Amesbury Road in Haverhill, Massachusetts. This report identifies and analyzes existing and future traffic conditions both with and without the Project and reviews access requirements, potential offsite improvements, and safety considerations.

STUDY METHODOLOGY

This study was prepared in accordance with the State guidelines for TIAs and was conducted in three distinct stages.

The first stage involved an assessment of existing conditions in the study area and included an inventory of roadway geometry, observations of traffic flow, and collection of peak-period traffic counts.

In the second stage of the study, future traffic conditions were projected and analyzed. Specific travel demand forecasts for the Project were assessed along with future traffic demands due to expected traffic growth independent of the Project. A seven-year time horizon was selected for these analyses consistent with State guidelines for the preparation of TIAs. The traffic analysis conducted in stage two identifies projected future roadway capacity, traffic safety, and site access issues.

The third stage of the study presents and evaluates measures to address traffic and safety issues, if any are necessary, based on the results from stage two of the study.

EXISTING CONDITIONS

A comprehensive field inventory of existing conditions within the study area was conducted in April 2023. The field investigation consisted of an inventory of existing roadway geometrics, traffic volumes; and operating characteristics; as well as posted speed limits, sight distance, and land use information within the study area. The study area for the Project contains the major roadway which provides access to the Project, as well as the intersections which are expected to accommodate the majority of Project-related traffic. The study area is listed below and graphically depicted on Figure 1.

- Amesbury Road (Route 110) at I-495 southbound ramps
- Route 110 at I-495 northbound ramps and Wannalancet Road
- Route 110 at Elliott Street

The following describes the study area roadway which provides access/egress to the Project.

GEOMETRY

Roadway

Route 110

Route 110 is classified as an urban principal arterial roadway under Massachusetts Department of Transportation (MassDOT) jurisdiction. Route 110 runs in a general north-to-south alignment throughout the study area. Route 110 provides one general-purpose travel lane in each direction separated by a double-yellow centerline. The land use along Route 110 throughout the study area generally consist of commercial and residential uses.

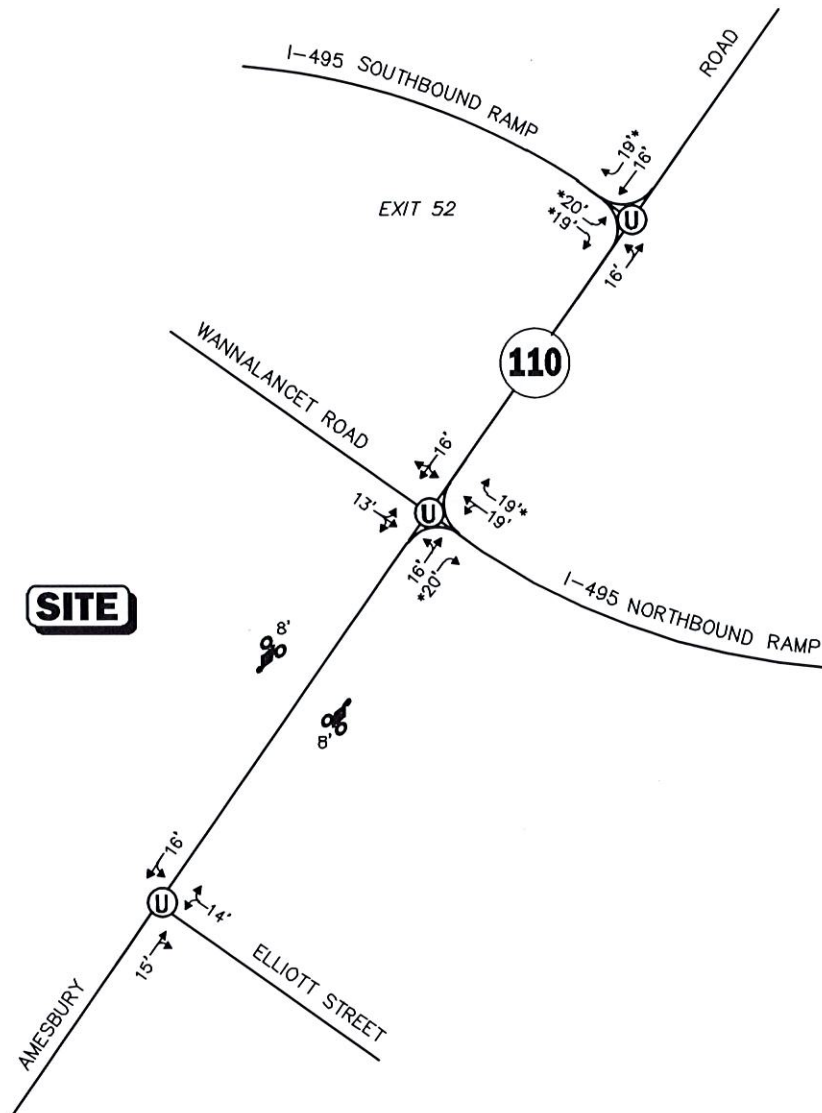
Intersections

Figure 2 summarizes existing lane use, travel lane widths, and sidewalk and crosswalk locations at the study area intersections.



Legend:

-  Unsignalized Intersection
-  Lane Use and Travel Lane Width
-  Channelized Right-Turn Lane
-  Bike Lane



Not To Scale

Vai Vanasse & Associates inc

Figure 2

Existing Intersection Lane Use, Travel Lane Width, and Pedestrian Facilities

EXISTING TRAFFIC VOLUMES

In order to establish base traffic-volume demands and flow patterns within the study area, manual turning movement counts (TMCs) were completed in April 2023. The TMCs were conducted during the weekday morning (7:00 to 9:00 AM), weekday evening (4:00 to 6:00 PM), and Saturday midday (11:00 AM to 2:00PM) peak periods. Bicycles and pedestrians were also counted.

Traffic-Volume Adjustments

In order to develop 2023 Existing traffic-volume conditions, MassDOT weekday seasonal factors for Urban Groups 3 (other principal arterials) were reviewed.² Based on a review of this data, it was determined that traffic volumes for the month of April are *above* average-month conditions. As such, the traffic volumes were not adjusted to be representative of average-month conditions.

MassDOT no longer requires pandemic-related adjustment of traffic counts performed after March 2022 except in locations where the predominant land use consists of offices or similar uses.³ Given that the predominant land use within the study area is residential, no further adjustment (beyond the seasonal adjustment) is necessary.

As can be seen in Table 1, Route 110 is observed to carry approximately 12,513 vehicles per day (vpd) during an average weekday and 8,502 vpd during an average Saturday with 894 vehicles per hour (vph) during the weekday morning peak hour, 1,117 vph during the weekday evening peak hour, and 702 vph during the Saturday midday peak hour. During the weekday morning peak hour, 56 percent of the traffic is traveling northbound, during the weekday evening peak hour, 54 percent of the traffic is traveling southbound, and during the Saturday midday peak hour, 52 percent of the traffic is traveling northbound. The existing weekday morning, evening, and Saturday midday peak-hour traffic volumes for the study area intersections are graphically depicted on Figures 3, 4, and 5, respectively.

Table 1
2023 EXISTING ROADWAY TRAFFIC-VOLUME SUMMARY

Location	Weekday	Weekday Morning Peak Hour			Weekday Evening Peak Hour			Saturday	Saturday Midday Peak Hour		
	Daily Volume (vpd) ^a	Volume (vph) ^b	Percent of Daily Traffic ^c	Predominant Flow	Volume (vph)	Percent of Daily Traffic	Predominant Flow	Daily Volume (vpd) ^a	Volume (vph)	Percent of Daily Traffic ^c	Predominant Flow
Route 110, east of Elliott Street	12,513	894	7.1	56.3% NB	1,117	8.9	53.6% SB	8,502	702	8.3	52.1% NB

Note: Based on data collected by VAI in March/April 2023.

^aTwo-way daily traffic expressed in vehicles per day, estimated.

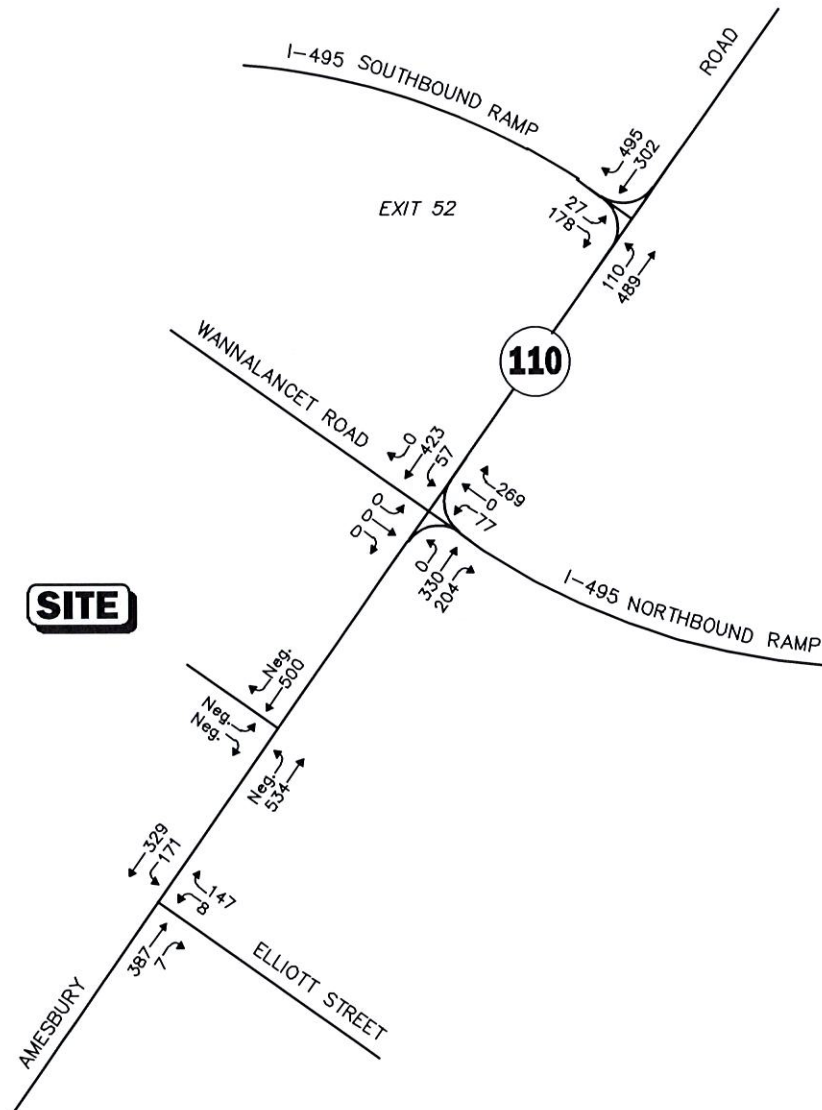
^bTwo-way peak-hour volume expressed in vehicles per hour.

^cThe percent of daily traffic that occurs during the peak hour.

NB = northbound, SB = southbound.

²MassDOT statewide Traffic Data Collection; 2019 Weekday Seasonal Factors, Groups U3.

³25% Design Submission Guidelines; MassDOT Highway Division, Traffic and Safety Engineering; Revised May 31, 2022.

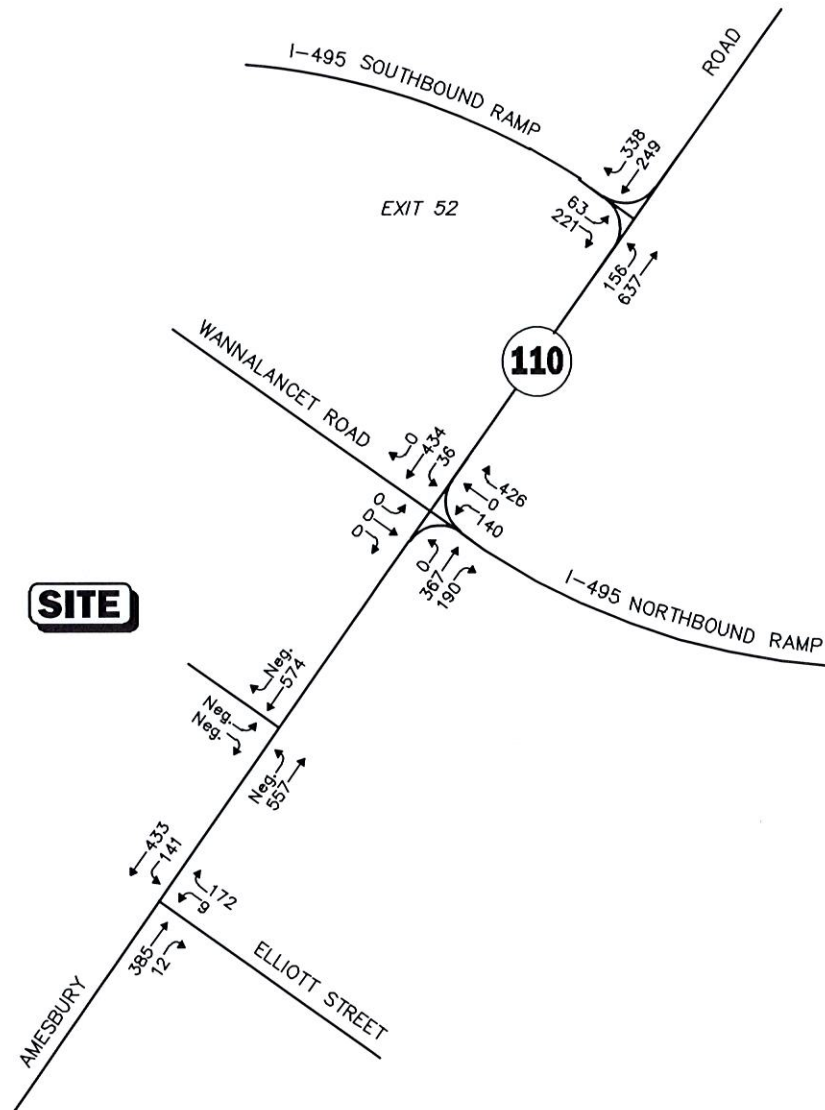


Not To Scale

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Figure 3

**2023 Existing
Weekday Morning
Peak-Hour Traffic Volumes**

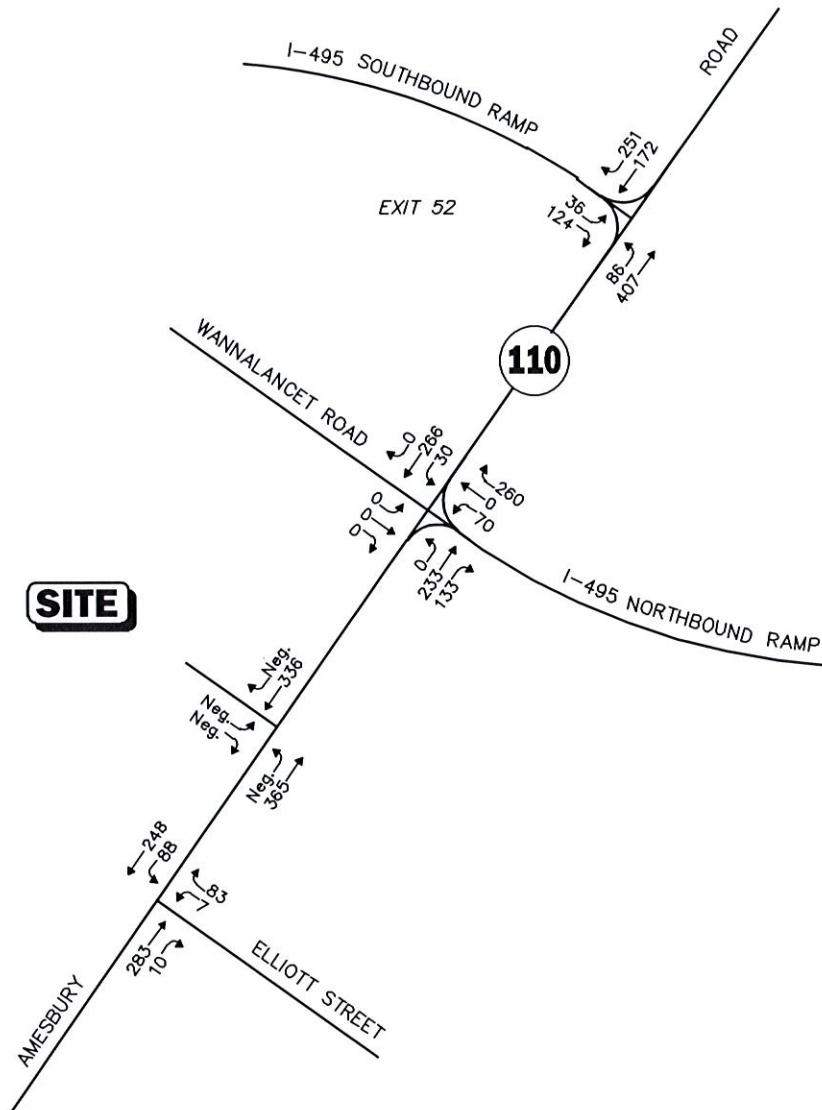


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Figure 4

**2023 Existing
Weekday Evening
Peak-Hour Traffic Volumes**



Not To Scale



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Figure 5

2023 Existing
Saturday Midday
Peak-Hour Traffic Volumes

PEDESTRIAN AND BICYCLE FACILITIES

An extensive inventory of pedestrian and bicycle facilities within the study area was undertaken in March 2023. The field inventory consisted of a review of the location of sidewalks and pedestrian crossing locations along the study area roadways and at the study area intersections, as well as the location of bicycle facilities. Sidewalks and crosswalks are not provided within the vicinity of the site. Bike lanes are provided along both sides of Route 110 within the study area.

PUBLIC TRANSPORTATION

Public transportation services are provided within the study area by the Merrimack Valley Regional Transit Authority (MVRTA). The MVRTA provides fixed-route bus service to Washington Square Transit Center in Haverhill on the No. 17 route by way of the NECC Haverhill Campus, which is located at 100 Elliott Street, approximately 0.5 miles (a 9-minute walk) to the south of the Project site.

Table 2 summarizes the characteristics of these services. The public transportation schedules and fare information are provided in the Appendix.

Table 2
PUBLIC TRANSPORTATION SERVICES

Bus Route Number	Service	Stop Closest to Site	Distance from Site	Weekday	
				Hours of Operation	Headway (minutes)
17	Haverhill - Salisbury Beach via Amesbury	NECC Haverhill Campus	~0.5 miles south	5:10 AM – 7:45 PM	60

MOTOR VEHICLE CRASH DATA

Motor vehicle crash information for the study area intersections was provided by the MassDOT Safety Management/Traffic Operations Unit for the most recent five-year period available (2016 through 2020) in order to examine motor vehicle crash trends occurring within the study area. The data is summarized in Table 3 by intersection, type, weather condition, lighting condition, pavement condition, and severity.

As can be seen in Table 3, the intersection of Route 110 at the I-495 southbound ramps experienced 6 accidents over the five-year review period, averaging 1.2 accidents per year. The majority of the accidents were rear-end collisions, occurred on dry pavement, during the daylight, in clear weather, and caused property damage only. The intersection of Route 110 at the I-495 Northbound ramps and Wannalancet Road experienced 18 accidents over the five-year review period, averaging 3.6 accidents per year. The majority of accidents were angle or rear-end collisions (18 of 18), occurred on dry pavement (12 of 18), during daylight (13 of 18), in clear weather (13 of 18), and caused property damage only (17 of 18). The intersection of Route 110 at Elliott Street experienced 11 accidents over the five-year review period, averaging 2.2 accidents per year. The majority of accidents were angle or rear-end collisions (10 of 11), occurred on dry pavement (9 of 11), during

daylight (10 of 11), in clear weather (9 of 11), and caused a personal injury or property damage only (11 of 11). No fatalities were reported over the five-year period reviewed. The crash rates for the intersections were observed to be lower than the MassDOT District 4 crash rates for unsignalized intersections.

Table 3
MOTOR VEHICLE CRASH DATA SUMMARY^a

	Route 110 at I-495 Southbound Ramps	Route 110 at I-495 Northbound Ramps and Wannalancet Road	Route 110 at Elliott Street
<i>Year:</i>			
2016	2	1	2
2017	1	7	3
2018	1	7	1
2019	2	2	2
<u>2020</u>	<u>0</u>	<u>1</u>	<u>3</u>
Total	6	18	11
Average ^b	1.2	3.6	2.2
Crash Rate ^b	0.18	0.57	0.57
Significant ^c	No	No	No
<i>Type:</i>			
Angle	0	10	4
Rear-End	6	8	6
Head-On	0	0	1
Sideswipe	0	0	0
Fixed Object	0	0	0
Pedestrian	0	0	0
Bicyclist	0	0	0
<u>Unknown/Other</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total	6	18	11
<i>Weather Conditions:</i>			
Clear	4	13	9
Cloudy/Rain	2	3	0
Snow/Ice	0	1	1
Fog	0	0	0
<u>Unknown/Other</u>	<u>0</u>	<u>1</u>	<u>1</u>
Total	6	18	11
<i>Lighting Conditions:</i>			
Daylight	6	13	10
Dawn/Dusk	0	1	1
Dark (lit)	0	2	0
Dark (unlit)	0	2	0
<u>Unknown/Other</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total	6	18	11
<i>Pavement Conditions :</i>			
Dry	5	12	9
Wet	0	3	1
Snow/Ice	0	3	1
<u>Unknown/Other</u>	<u>1</u>	<u>0</u>	<u>0</u>
Total	6	18	11
<i>Severity:</i>			
Property Damage Only	6	17	6
Personal Injury	0	1	5
Fatality	0	0	0
<u>Unknown/Other</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total	6	18	11

^aAverage number of crashes over a five-year period.

^bCrash rate per million entering vehicles (mev).

^cSignificant if crash rate > 0.57 for unsignalized intersections (MassDOT District 4 rates).

Source: MassDOT Crash Data, 2016 through 2020.

VEHICLE SPEEDS

Existing vehicle speeds along Route 110, east of Elliott Street were recorded to determine the average and 85th percentile vehicle speeds. The speed limit on Route 110 is posted at 40 miles per hour (mph). The results of the speed measurements are shown in Table 4.

Table 4
OBSERVED VEHICLE SPEEDS (In Miles Per Hour)

Location/Direction	Thursday		Saturday	
	Average Speed	85 th Percentile Speed ^a	Average Speed	85 th Percentile Speed
<i>Route 110, north of Elliott Street:</i>				
Eastbound	35	44	37	44
Westbound	36	43	38	44

^aThe 85th percentile speed is the speed at which 85 percent of the traffic is traveling at or below. It is commonly used for setting speed limits on roadways.

As can be seen from Table 4, on a Thursday, the average speed recorded northbound on Route 110 was 35 mph and the 85th percentile speed recorded was 44 mph. The average speed recorded southbound was 36 mph and the 85th percentile speed was 43 mph. On a Saturday, the average speed recorded northbound on Route 110 was 37 mph and the 85th percentile speed recorded was 44 mph. The average speed recorded southbound was 38 mph and the 85th percentile speed was 44 mph.

FUTURE CONDITIONS

To determine the impact of site-generated traffic volumes on the roadway network under future conditions, existing traffic volumes in the study area were projected to the year 2030. Traffic volumes on the roadway network at that time, in the absence of the Project (that is, the No-Build condition), would include existing traffic, new traffic due to general background traffic growth, and traffic related to specific development by others expected to be completed by 2030. Inclusion of these factors resulted in the development of 2030 No-Build traffic volumes. Anticipated site-generated traffic volumes were then superimposed upon these No-Build traffic-flow networks to develop the 2030 Build traffic-volume conditions.

FUTURE TRAFFIC GROWTH

Traffic growth on area roadways is a function of the expected land development impacting the study area. Several methods are used to estimate this growth. A procedure frequently employed estimates an annual percentage increase in traffic growth and applies that percentage to all existing traffic volumes under study. The drawback to such a procedure is that some turning volumes may actually grow at either a higher or a lower rate at particular intersections.

In addition, we identified the location and type of planned development affecting the study area, estimated the traffic to be generated by that development, and assigned it to the area roadway network. This produces a more realistic estimate of growth for local traffic. However, the drawback of this procedure is that the potential growth in population and development external to the study area would not be accounted for in the traffic projections.

To provide a conservative analysis framework, both procedures were used in this TIA.

General Background Growth

Traffic-volume data compiled by MassDOT from permanent count stations and historic traffic counts in the area were reviewed in order to determine general background traffic growth trends. Based on a review of this data and other area traffic studies, it was determined that the traffic volumes are increasing in the area by approximately 0.93 percent per year on average. Therefore, a 1.0 percent per year compounded annual background traffic growth rate was used to account for future traffic growth including presently unforeseen development within the study area.

Specific Development by Others

The City of Haverhill was contacted in order to determine if there are any planned or approved development projects that are expected to influence future traffic volumes within the study area. At the time of this writing, no information had been provided; therefore, no developments were identified for inclusion. The former Dutton Airfield has been the subject of speculation for development of an industrial park of 700,000 to 800,000 sf of industrial space but no traffic study has been provided at this time.

Planned Roadway Improvements

The City of Haverhill and MassDOT were contacted in order to determine if there are any planned roadway improvement projects expected to be completed within the study area in the seven-year planning horizon. Based on these discussions, no roadway improvement projects are planned within the study area beyond general maintenance.

No-Build Traffic Volumes

The 2030 No-Build peak-hour traffic-volume networks were developed by applying the 1.0 percent per year compounded annual background traffic growth rate to the 2023 Existing peak-hour traffic volumes. The resulting 2030 No-Build weekday morning, evening, and Saturday midday peak-hour traffic-volume networks are shown on Figures 6, 7, and 8, respectively.

PROJECT-GENERATED TRAFFIC

The Project entails constructing a Diesel Fueling Facility, which will have a 1,482 convenience store and 5 vehicle fueling positions (vfps). In order to develop the traffic characteristics of the proposed Project, the entering/exiting traffic-volumes were recorded at two comparable sites located at 728 Route 3A in Bow, New Hampshire and at 280 New Lancaster Road in Leominster, Massachusetts. Both sites provide a convenience store with a gas station and truck fueling positions. Traffic counts for the Bow site were conducted from 7:00 AM to 6:00 PM on a weekday and from 11:00 AM to 2:00 PM on a Saturday. Traffic counts for the Leominster site were conducted from 7:00 AM to 9:00 AM and 4:00 PM to 6:00 PM on a weekday and from 11:00 AM to 2:00 PM on a Saturday. The counts were used to develop trip rates to compare to the Institute of Transportation Engineers (ITE)⁴ for Land Use Code (LUC) 950, *Truck Stop*.

Peak Hour Trip Rate Comparison: ITE vs. Empirical

The number of vfps along with the counted trips were used to develop trip rates for each site to compare with ITE data. The Bow site has 8 vfps and the Leominster site has 5 vfps. The number of peak hour trips were then divided by the vfps to determine a peak hour trip rate per vfp. Table 5 summarizes the peak hour trip rates for each site and compares that to ITE peak hour trip rates for LUC 950, *Truck Stop*.

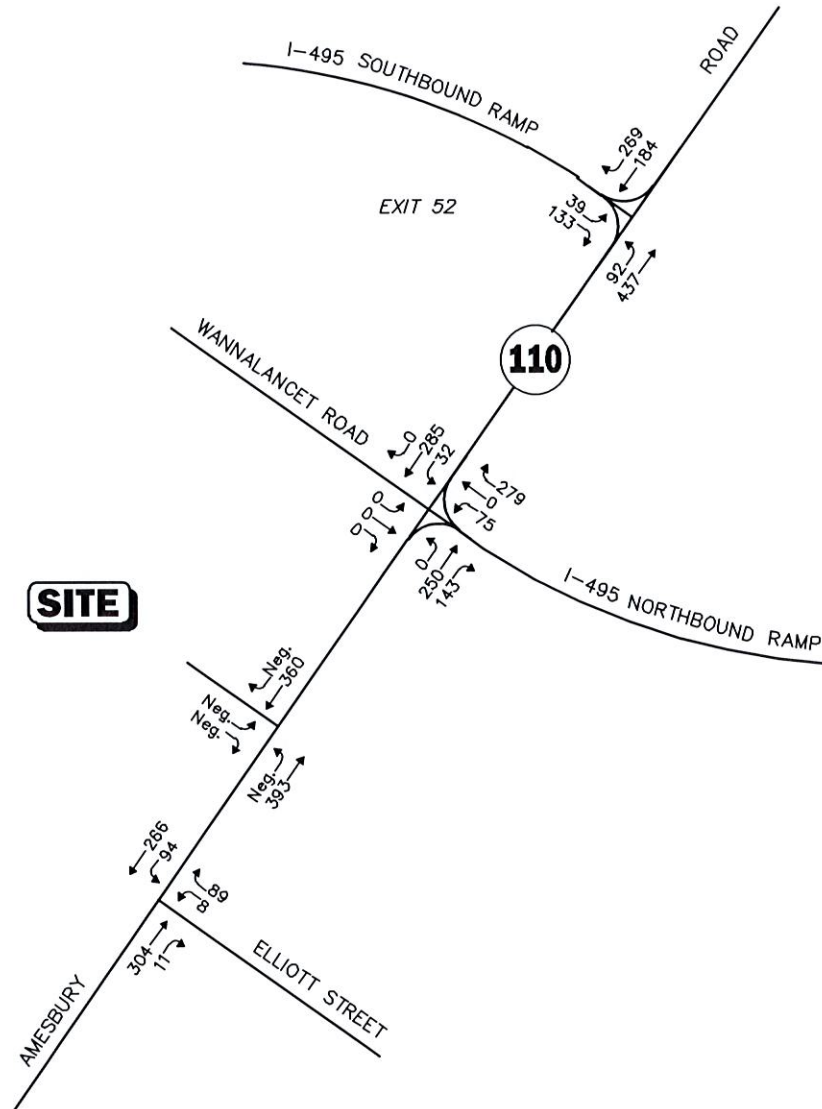
⁴*Trip Generation*, 11th Edition; Institute of Transportation Engineers; Washington, DC; 2021.



2030 No-Build Weekday Morning Peak-Hour Traffic Volumes



2030 No-Build Weekday Evening Peak-Hour Traffic Volumes



Not To Scale

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Figure 8

**2030 No-Build
Saturday Midday
Peak-Hour Traffic Volumes**

Table 5
ITE VS EMPIRICAL TRIP RATE COMPARISON

Time Period/ Peak Hour	Empirical Counts			ITE Truck Stop	
	Bow Site Trip Rate ^a (trips/vfp)	Leominster Site Trip Rate ^b (trips/vfp)	Average Site Trip Rate (trips/vfp)	LUC 950 Trip Rate (trips/vfp)	Percent Decrease
Weekday Morning	3.87	5.00	4.5	13.97	-68
Weekday Evening	2.12	2.6	2.4	15.42	-91
Saturday Midday	2.75	1.4	2.0	N/A	--

^aTotal Trips divided by 8 vfps.

^bTotal Trips divided by 5 vfps.

N/A = No ITE data available for this time period.

As shown in Table 5, ITE LUC 950 overestimates the anticipated number of trips for these types of use. The empirical count data resulted in an average rate of 13.97 trips per vfp during the weekday morning peak hour and an average rate of 15.42 trips per vfp during the weekday evening peak hour for this Diesel Fueling Facility. The empirical rates are 68 percent lower than the ITE rates during the weekday morning peak hour and 91 percent lower during the weekday evening peak hour. ITE has no data for this use for the Saturday time period.

Trip Generation for 298 Amesbury Road Using Empirical Trip Rates

The trip rates show that the ITE trips rates for LUC 950, *Truck Stop*, are not appropriate for the proposed land use. Therefore, the average empirical trip rates were used to calculate peak hour trips for the proposed Diesel Fueling Facility to be located at 298 Amesbury Road in Haverhill, Massachusetts. The empirical trip rate found for the Saturday midday peak hour from the two sites was used for the proposed Diesel Fueling Facility.

Trip Generation for 298 Amesbury Road Using ATR Data

As the hourly trip rates for actual sites were considerably lower than those of the ITE rates, it was expected that the same was true for the weekday daily trip rates. The ITE daily trip rate was equivalent to 244 trips per vfp; this represents more truck trips from one vfp than currently exist on Amesbury Road adjacent to the site. It is not expected that the site will result in a five-fold increase in truck trip generation. Alternative calculations were developed to generate daily trips for the site, but these still projected higher trip counts than the empirical hourly counts indicated. ITE did not have data for the Saturday daily trip rate.

In order to estimate daily trips to the site, a review of the ATR vehicle classification data was conducted. This data separated vehicles by type with categories for trucks separated from passenger vehicles. Approximately 212 truck trips were recorded on the weekday count and 86 truck trips were recorded on the Saturday count. It was assumed that if half of the existing truck trips on Amesbury Road visited the site for fuel, this would be a fair estimate of truck activity to the site.

The projected trip generation with the above assumptions is summarized in Table 6.

Table 6
PROPOSED SITE TRIP-GENERATION SUMMARY

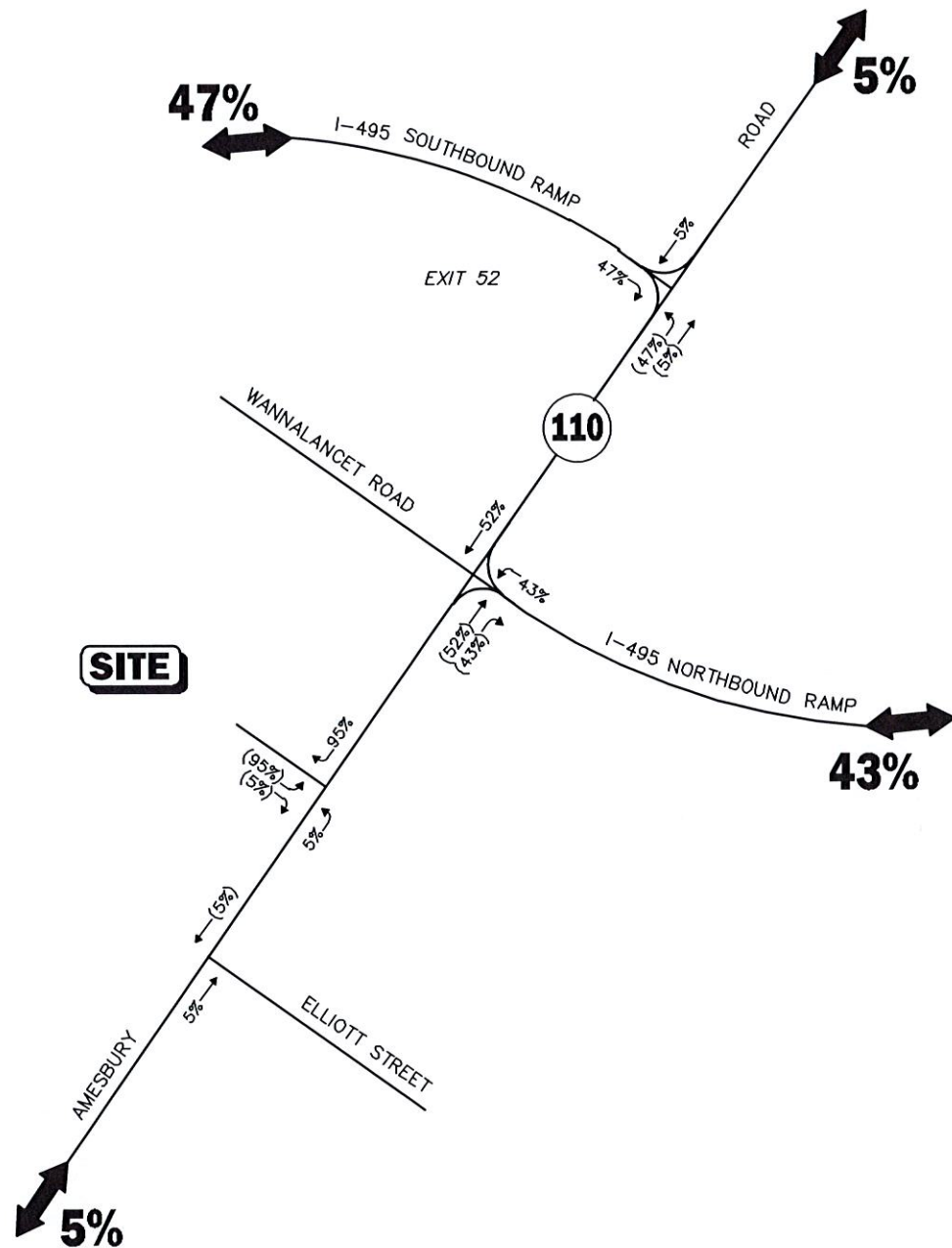
Time Period/ Directional Distribution	Diesel Fueling Facility (5 vfps) ^a
	Vehicle Trips
Weekday Daily	106
<i>Weekday Morning Peak Hour:</i>	
Entering	12
<u>Exiting</u>	<u>11</u>
Total	23
<i>Weekday Evening Peak Hour:</i>	
Entering	6
<u>Exiting</u>	<u>6</u>
Total	12
Saturday Daily	46
<i>Saturday Midday Peak Hour:</i>	
Entering	5
<u>Exiting</u>	<u>5</u>
Total	10

^aBased on empirical trip rates and existing Amesbury Road truck traffic.

As can be seen in Table 6, the Project is expected to generate 106 truck trips (approximately 53 trucks entering and exiting) on an average weekday (two-way, 24-hour volume), with 23 truck trips (12 entering and 11 exiting) expected during the weekday morning peak hour, and 12 truck trips (6 entering and 6 exiting) expected during the weekday evening peak hour. On Saturday, the Project is expected to generate 46 truck trips (approximately 23 trucks entering and exiting), with 10 truck trips (5 entering and 5 exiting) expected during the Saturday Midday peak hour.

TRIP DISTRIBUTION AND ASSIGNMENT

The directional distribution of the site-generated trips to and from the Project was determined based on a combination of a review of existing travel patterns at the study area intersections and the expectation that the proximity of the site to I-495 will result in that highway being the primary source of truck trips to and from the site. The trip distribution for the Project is summarized in Table 7 and graphically depicted on Figure 9. The weekday morning, evening, and Saturday midday peak-hour traffic volumes expected to be generated by the Project were assigned on the study area roadway network as shown on Figures 10, 11, and 12, respectively.

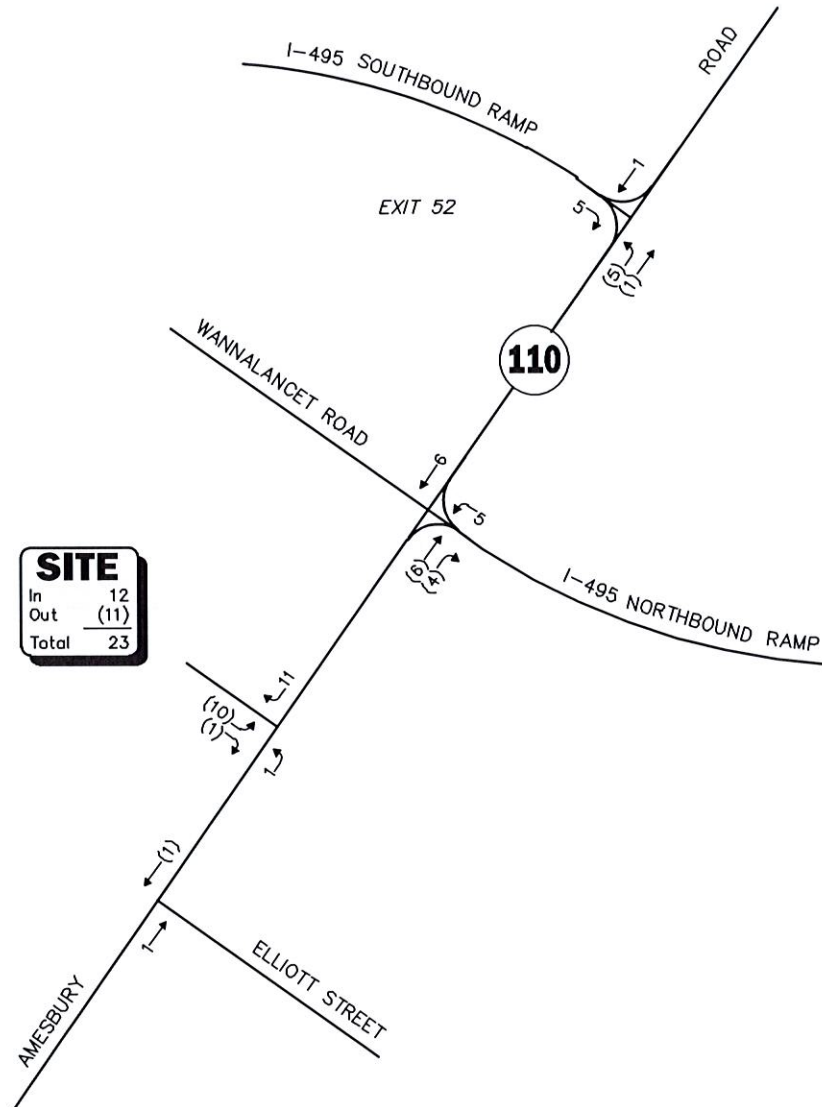


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Figure 9

Trip Distribution Map





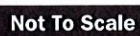
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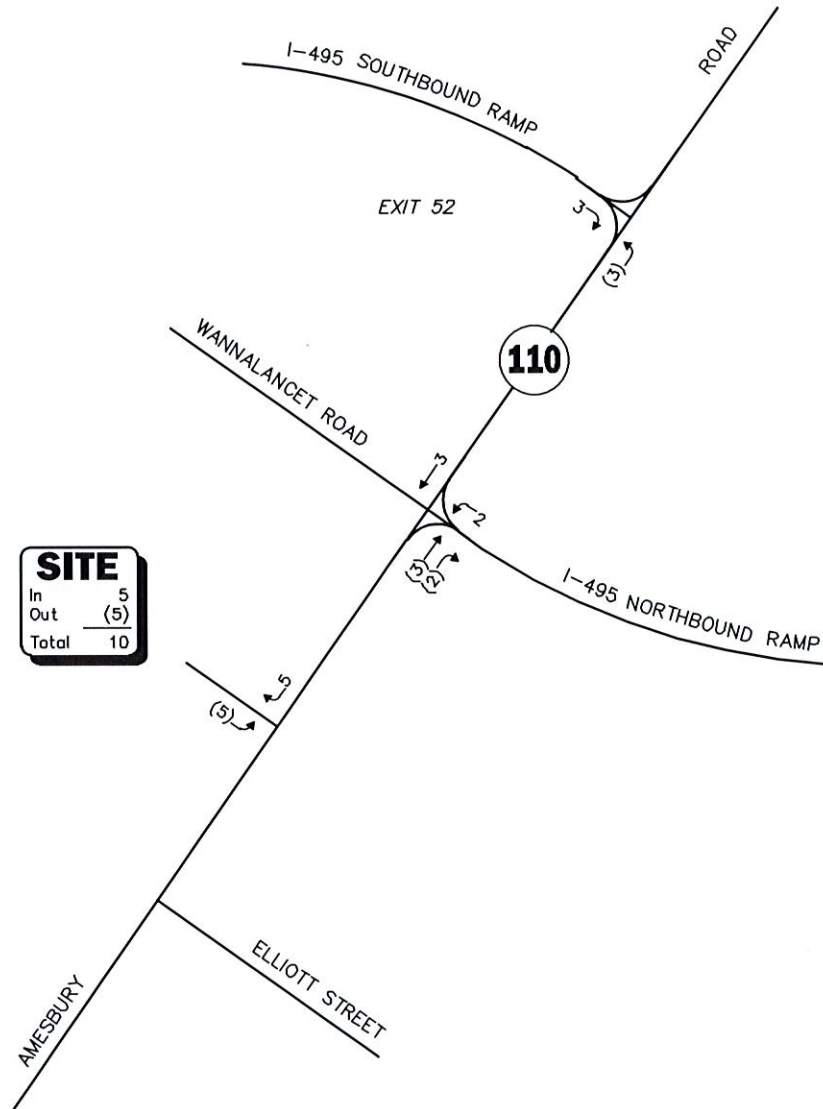
Figure 10

Site-Generated
Weekday Morning
Peak-Hour Traffic Volumes



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Site-Generated Weekday Evening Peak-Hour Traffic Volumes



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Figure 12

Site-Generated
Saturday Midday
Peak-Hour Traffic Volumes

Table 7
TRIP-DISTRIBUTION SUMMARY

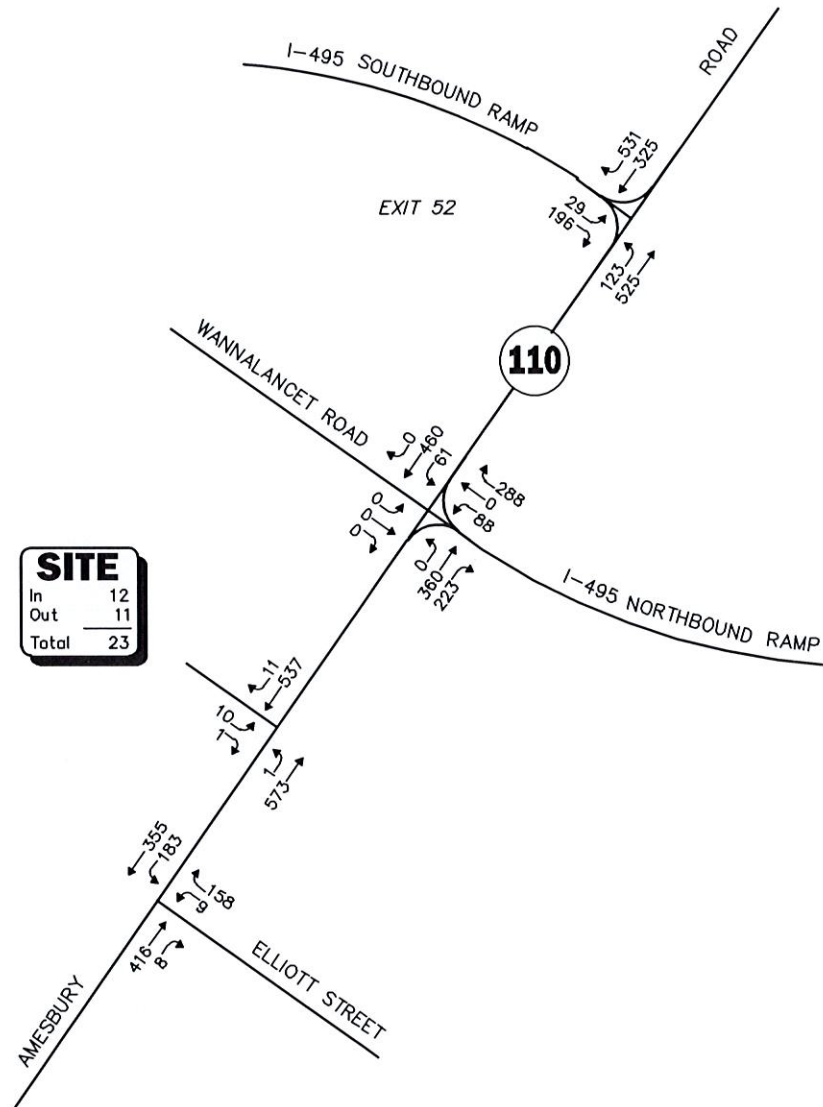
Roadway	Direction (To/From)	Percent (To/From)
Route 110	North	5
Route 110	South	5
I-495 Northbound Ramps	West	43
I-495 Southbound Ramps	East	<u>47</u>
TOTAL		100

FUTURE TRAFFIC VOLUMES – BUILD CONDITION

The 2030 Build condition networks consist of the 2030 No-Build traffic volumes with the anticipated Project-generated traffic added to them. The 2030 Build weekday morning, evening, and Saturday midday peak-hour traffic-volume networks are graphically depicted on Figures 13, 14, and 15, respectively.

A summary of peak-hour projected traffic-volume increases external to the study area that is the subject of this assessment is shown in Table 8. These volumes are based on the expected increases from the Project.

As shown in Table 8, Project-related traffic-volume increases external to the study area relative to 2030 No-Build conditions are anticipated to range from 2 to 10 vehicles or 0.1 to 1.4 percent during the peak periods.



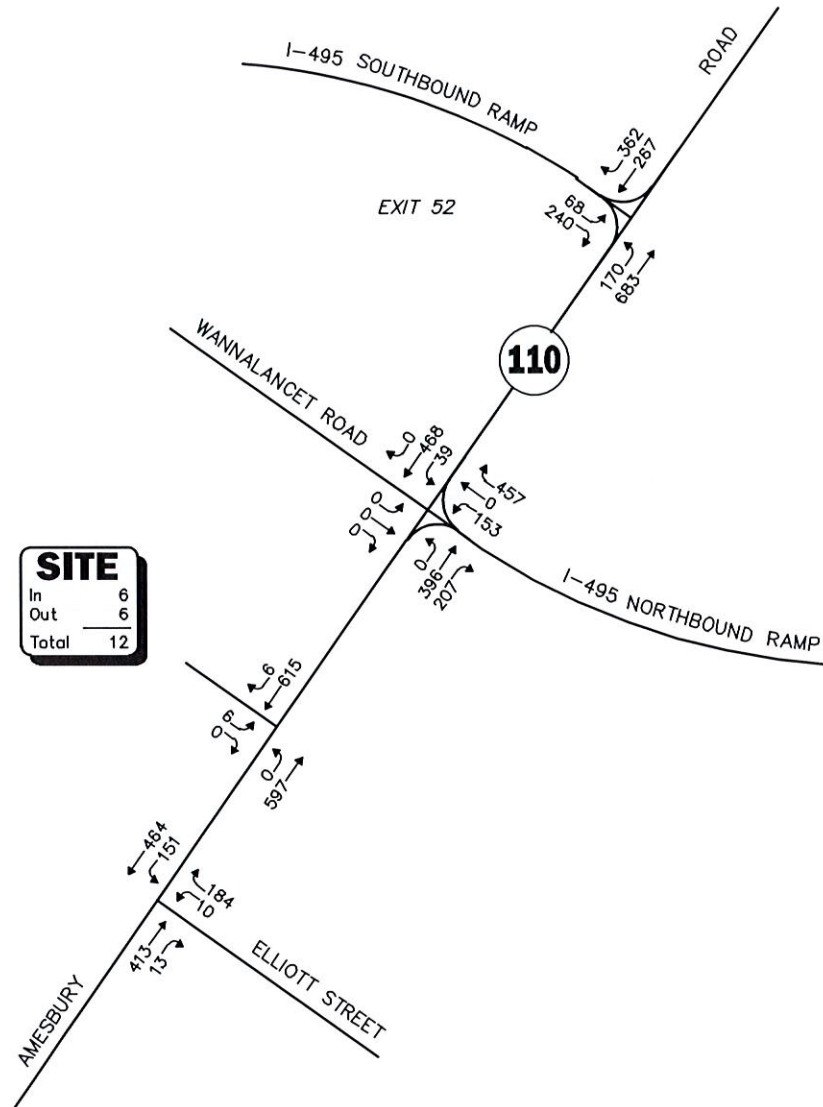
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Figure 13

**2030 Build
Weekday Morning
Peak-Hour Traffic Volumes**



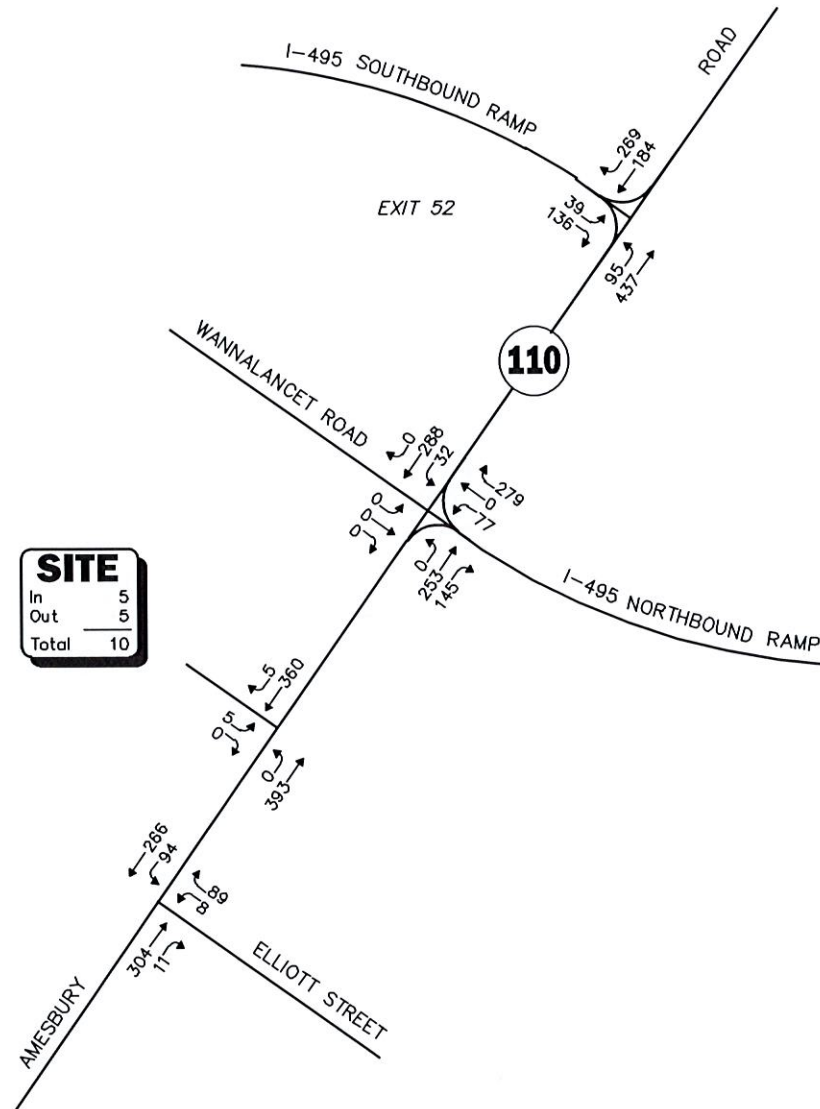
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Figure 14

2030 Build
Weekday Evening
Peak-Hour Traffic Volumes



SITE	
In	5
Out	5
Total	10



Not To Scale



Figure 15

2030 Build
Saturday Midday
Peak-Hour Traffic Volumes

Table 8
PEAK-HOUR TRAFFIC-VOLUME INCREASES^a

Location/Peak Hour	2030 No-Build	2030 Build	Traffic-Volume Increase Over No-Build	Percent Increase Over No-Build
<i>Route 110, north of I-495 Southbound Ramps:</i>				
Weekday Morning	1,408	1,410	2	0.1
Weekday Evening	1,380	1,380	0	0.0
Saturday Midday	929	929	0	0.0
<i>Route 110, south of Elliott Street:</i>				
Weekday Morning	786	788	2	0.3
Weekday Evening	900	900	0	0.0
Saturday Midday	589	589	0	0.0
<i>I-495 Northbound Ramps, east of Route 110:</i>				
Weekday Morning	651	660	9	1.4
Weekday Evening	850	856	6	0.7
Saturday Midday	529	533	4	0.8
<i>I-495 Southbound Ramps, west of Route 110:</i>				
Weekday Morning	869	879	10	1.2
Weekday Evening	834	840	6	0.7
Saturday Midday	533	539	6	1.1

^aTotal of two-way traffic volume in vph.

SIGHT DISTANCE EVALUATION

Sight distance measurements were performed at the site driveway intersection with Route 110 in accordance with MassDOT and American Association of State Highway and Transportation Officials (AASHTO)⁵ recommendations. Both stopping sight distance (SSD) and intersection sight distance (ISD) measurements were performed. In brief, SSD is the distance recommended to be provided by a vehicle traveling at the design speed of a roadway, on wet pavement, to stop prior to striking an object in its travel path. ISD is the sight distance recommended to be provided by a driver entering or crossing an intersecting roadway to perceive an on-coming vehicle and safely complete a turning or crossing maneuver with on-coming traffic. ***In accordance with AASHTO standards, if the measured ISD is at least equal to the recommended SSD value for the appropriate design speed, the intersection can operate in a safe manner.*** Table 9 presents the measured SSD and ISD at the subject intersection.

⁵ *A Policy on Geometric Design of Highway and Streets*, 7th Edition; American Association of State Highway and Transportation Officials (AASHTO); Washington D.C.; 2018.

Table 9
SIGHT DISTANCE MEASUREMENTS^a

Intersection/Sight Distance Measurement	Recommended Distances (Feet)	Field Measured Distances (Feet)
	Posted Speed Limit (EB/WB) (44/43) mph on Route 110	
<i>Route 110 at the Site Driveway</i>		
<i>Stopping Sight Distance:</i>		
Route 110 approaching from the east	325 ^b	335
Route 110 approaching from the west	360	750+
<i>Intersection Sight Distance:</i>		
Left turn from Site Driveway (looking east)	727	750+
Left turn from Site Driveway (looking west)	744	750+

^aRecommended values obtained from *A Policy on Geometric Design of Highways and Streets*, 7th Edition; American Association of State Highway and Transportation Officials (AASHTO); 2018.

^bValue has been adjusted to account of 4.6 percent upgrade approaching the site driveway from the west.

As can be seen in Table 9, the sight distance at the intersection of the site driveway with Route 110 was found to exceed the recommended values for SSD and ISD based on a speed of 44/43 mph. These values have been adjusted for grade and also for eye height of a driver in a truck which has a higher vantage point compared with passenger vehicles.

TRAFFIC OPERATIONS ANALYSIS

Measuring existing and future traffic volumes quantify traffic flow within the study area. To assess quality of flow, roadway capacity, and vehicle queue analyses were conducted under Existing, No-Build, and Build traffic-volume conditions. Capacity analyses provide an indication of how well the roadway facilities serve the traffic demands placed upon them, with vehicle queue analyses providing a secondary measure of the operational characteristics of an intersection or section of roadway under study.

METHODOLOGY

Levels of Service

A primary result of capacity analyses is the assignment of level of service to traffic facilities under various traffic-flow conditions.⁶ The concept of level of service is defined as a qualitative measure describing operational conditions within a traffic stream and their perception by motorists and/or passengers. A level-of-service definition provides an index to quality of traffic flow in terms of such factors as speed, travel time, freedom to maneuver, traffic interruptions, comfort, convenience, and safety.

Six levels of service are defined for each type of facility. They are given letter designations from A to F, with level-of-service (LOS) A representing the best-operating conditions and LOS F representing congested or constrained operating conditions.

Since the level of service of a traffic facility is a function of the traffic flows placed upon it, such a facility may operate at a wide range of levels of service, depending on the time of day, day of week, or period of year.

⁶The capacity analysis methodology is based on the concepts and procedures presented in the *Highway Capacity Manual 6th Edition*; Transportation Research Board; Washington, DC; 2016.

Unsignalized Intersections

The six levels of service for unsignalized intersections may be described as follows:

- *LOS A* represents a condition with little or no control delay to minor street traffic.
- *LOS B* represents a condition with short control delays to minor street traffic.
- *LOS C* represents a condition with average control delays to minor street traffic.
- *LOS D* represents a condition with long control delays to minor street traffic.
- *LOS E* represents operating conditions at or near capacity level, with very long control delays to minor street traffic.
- *LOS F* represents a condition where minor street demand volume exceeds capacity of an approach lane, with extreme control delays resulting.

The levels of service of unsignalized intersections are determined by application of a procedure described in the *Highway Capacity Manual 6th Edition*. Level of service is measured in terms of average control delay. Mathematically, control delay is a function of the capacity and degree of saturation of the lane group and/or approach under study and is a quantification of motorist delay associated with traffic control devices such as traffic signals and STOP signs. Control delay includes the effects of initial deceleration delay approaching a STOP sign, stopped delay, queue move-up time, and final acceleration delay from a stopped condition. Definitions for level of service at unsignalized intersections are also given in the *Highway Capacity Manual 6th Edition*. Table 10 summarizes the relationship between level of service and average control delay for two-way STOP-controlled and all-way STOP-controlled intersections.

Table 10
LEVEL-OF-SERVICE CRITERIA FOR UNSIGNALIZED INTERSECTIONS^a

Level-of-Service by Volume-to-Capacity Ratio		Average Control Delay (Seconds Per Vehicle)
$v/c \leq 1.0$	$v/c > 1.0$	
A	F	≤ 10.0
B	F	10.1 to 15.0
C	F	15.1 to 25.0
D	F	25.1 to 35.0
E	F	35.1 to 50.0
F	F	> 50.0

^aSource: *Highway Capacity Manual 6th Edition*; Transportation Research Board; Washington, DC; 2016; page 20-6.

ANALYSIS RESULTS

Level-of-service analyses were conducted for 2023 Existing, 2030 No-Build, and 2030 Build conditions for the study area intersections. The results of the intersection capacity analysis within the study area are described below, with a tabular summary provided in Table 11.

Unsignalized Intersection

Route 110 at the I-495 Southbound Ramps

Under 2023 Existing and 2030 No-Build conditions, the critical movements at this intersection operate at LOS D and B, and LOS E and C during the weekday morning peak hour, at LOS F and B during the weekday evening peak hour, and at LOS C and B during the Saturday midday peak hour. No changes to critical movement level of service occur as a result of the addition of Project volumes under 2030 Build conditions. Critical movement queue length remains unchanged under 2030 Build conditions compared to 2030 No-Build conditions.

Route 110 at the I-495 Northbound Ramps and Wannalancet Road

Under 2023 Existing and 2030 No-Build conditions, the critical movements at this intersection operate at LOS E, B, and A, and LOS F, C, and A during the weekday morning peak hour, at LOS F, D, and A, and LOS F, E, and A during the weekday evening peak hour, and at LOS C, B, and A during the Saturday midday peak hour. No changes to critical movement level of service occur as a result of the addition of Project volumes under 2030 Build conditions. Critical movement queue length remains unchanged under 2030 Build conditions compared to 2030 No-Build conditions.

Route 110 at Elliott Street

Under 2023 Existing 2030 No-Build conditions, the critical movement at this intersection operates at LOS B during the weekday morning peak hour, at LOS C during the weekday evening peak hour, and at LOS B during the Saturday midday peak hour. Under 2030 No-Build conditions, the critical movement at this intersection operates at LOS C during the weekday morning peak hour, at LOS C during the weekday evening peak hour, and at LOS B during the Saturday midday peak hour. No changes to critical movement level of service occur as a result of the addition of Project volumes under 2030 Build conditions. Critical movement queue length remains unchanged under 2030 Build conditions compared to 2030 No-Build conditions.

Route 110 at the Site Driveway

Under 2030 Build conditions, the critical movements at this intersection operate at LOS D during the weekday morning, at LOS E during the weekday evening peak hour, and at LOS C during the Saturday midday peak hour.

Table 11
UNSIGNALIZED INTERSECTION CAPACITY ANALYSIS SUMMARY

Unsignalized Intersection/ Critical Movement/Peak Hour	2023 Existing			2030 No-Build			2030 Build					
	Demand ^a	Delay ^b	LOS ^c	Queue ^d	Demand	Delay	LOS	Queue	Demand	Delay	LOS	Queue
Route 110 at the I-495 Southbound Ramps												
Weekday Morning:												
I-495 Southbound Ramps SB LT	27	34.0	D	1	29	41.2	E	1	29	43.1	E	1
I-495 Southbound Ramps SB RT	178	14.5	B	2	191	15.7	C	3	196	16.3	C	3
Weekday Evening:												
I-495 Southbound Ramps SB LT	63	63.4	F	3	68	98.5	F	4	68	102.5	F	4
I-495 Southbound Ramps SB RT	221	12.6	B	2	237	13.3	B	2	240	13.4	B	2
Saturday Midday:												
I-495 Southbound Ramps SB LT	36	18.9	C	1	39	20.7	C	1	39	21.0	C	1
I-495 Southbound Ramps SB RT	124	10.0	B	1	133	10.2	B	1	136	10.2	B	1
Route 110 at the I-495 Northbound Ramps and Wannalancet Road												
Weekday Morning:												
I-495 Northbound Ramps NB LT/TH	77	40.0	E	2	83	52.8	F	3	88	60.0	F	3
I-495 Northbound Ramps NB RT	269	14.1	B	2	288	15.2	C	3	288	15.4	C	3
Wannalancet Road SB LT/TH/RT	0	0.0	A	0	0	0.0	A	0	0	0.0	A	0
Weekday Evening:												
I-495 Northbound Ramps NB LT/TH	140	55.8	F	5	150	87.9	F	7	153	95.8	F	7
I-495 Northbound Ramps NB RT	426	27.4	D	7	457	37.4	E	10	457	37.8	E	10
Wannalancet Road SB LT/TH/RT	0	0.0	A	0	0	0.0	A	0	0	0.0	A	0
Saturday Midday:												
I-495 Northbound Ramps NB LT/TH	70	17.9	C	1	75	19.6	C	1	77	20.2	C	1
I-495 Northbound Ramps NB RT	260	13.1	B	2	279	14.0	B	3	279	14.1	B	3
Wannalancet Road SB LT/TH/RT	0	0.0	A	0	0	0.0	A	0	0	0.0	A	0
Route 110 at Elliott Street												
Weekday Morning:												
Elliott Street NB LT/TH/RT	155	14.7	B	2	167	16.2	C	2	167	16.2	C	2
Weekday Evening:												
Elliott Street NB LT/TH/RT	181	16.1	C	2	194	18.1	C	2	194	18.1	C	2
Saturday Midday:												
Elliott Street NB LT/TH/RT	90	11.5	B	1	97	11.9	B	1	97	11.9	B	1

See notes at end of table.

Table 11 (Continued)
UN SIGNALIZED INTERSECTION CAPACITY ANALYSIS SUMMARY

Unsignalized Intersection/ Critical Movement/Peak Hour	2023 Existing			2030 No-Build			2030 Build				
	Demand ^a	Delay ^b	LOS ^c	Queue ^d	Demand	Delay	LOS	Demand	Delay	LOS	Queue
Route 110 at the Site Driveway											
<i>Weekday Morning:</i>											
Site Driveway SB LT/RT	--	--	--	--	--	--	--	11	32.5	D	1
<i>Weekday Evening:</i>											
Site Driveway SB LT/RT	--	--	--	--	--	--	--	6	43.9	E	1
<i>Saturday Midday:</i>											
Site Driveway SB LT/RT	--	--	--	--	--	--	--	5	20.3	C	1

^aDemand in vehicles per hour.

^bDelay in seconds per vehicle.

^cLevel of service.

^d95th percentile queue length (veh).

EB = eastbound; WB = westbound; NB = northbound; SB = southbound; LT = left-turning movements; TH = through movements; RT = right-turning movements.

RECOMMENDATIONS AND CONCLUSIONS

VAI has prepared this TIA in order to evaluate potential traffic impacts associated with the proposed Diesel Fueling Facility to be located at 298 Amesbury Road in Haverhill, Massachusetts. This study was prepared in accordance with MassDOT Guidelines for *Transportation Impact Assessment (TIA)*; and was conducted pursuant to the standards of the traffic engineering and transportation planning professions for the preparation of such reports. Based on the results of this study, the following can be concluded:

- The study area intersection crash rates were observed to be lower than the MassDOT District 4 crash rates for unsignalized intersections.
- The Project is expected to generate 23 truck trips (12 entering and 11 exiting) during the weekday morning peak hour and 12 truck trips (6 entering and 6 exiting) during the weekday evening peak hour. On a Saturday midday peak hour, the Project is expected to generate 10 truck trips (5 entering and 5 exiting).
- The sight distance at the intersection of the site driveway with Route 110 was found to exceed the recommended values for SSD and ISD based on a speed of 44/43 mph.
- The analysis has indicated that the Project will generally result in minimal impact on motorist delays and vehicle queue lengths at the study intersection.

RECOMMENDATIONS

The following improvements have been recommended as a part of this evaluation:

Project Access

Access to the Project site will be provided via a new driveway onto Route 110. The following recommendations are offered with respect to the design and operation of the Project site driveway:

- The driveway should be placed under STOP-sign (*Manual on Uniform Traffic Control Devices* (MUTCD)⁷ R1-1) control, with a painted STOP-bar included.
- All signs and other pavement markings to be installed within the Project site shall conform to the applicable standards of the current MUTCD.
- Signs and landscaping adjacent to the Project site driveway should be designed and maintained so as not to restrict lines of sight.
- Snow windrows within sight triangle areas of the Project site driveway should be promptly removed where such accumulations would impede sightlines.

CONCLUSIONS

As documented in this study, Project-related traffic increases will not result in significant increases on overall traffic volumes or traffic delays within the study area. The site driveway will provide efficient access to and from the development. In general, Project-related traffic can be adequately accommodated within the existing infrastructure with minimal impact on the traffic operations within the study area.

⁷Ibid 1.

APPENDIX

TRAFFIC COUNT DATA
SEASONAL ADJUSTMENT DATA
PUBLIC TRANSPORTATION SCHEDULES
MASSDOT CRASH RATE WORKSHEETS
VEHICLE SPEED DATA
GROWTH RATE DATA
TRIP GENERATION DATA
CAPACITY ANALYSIS



TRAFFIC COUNT DATA



PDI File #: 239269 A

Location: N: I-495 NB Ramps

Location: E: Amesbury Road (Route 110) W: Amesbury Road (Route 110)

City, State: Haverhill, MA

Client: VAI/ A. Arseneault

Site Code: 9665

Count Date: Thursday, March 30, 2023

Start Time: 7:00 AM

End Time: 9:00 AM

Class:



Cars and Heavy Vehicles (Combined)

	I-495 NB Ramps				Amesbury Road (Route 110)				Amesbury Road (Route 110)				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
7:00 AM	25	5	0	30	120	45	0	165	149	26	0	175	370
7:15 AM	24	7	0	31	103	42	0	145	131	32	0	163	339
7:30 AM	31	6	0	37	155	77	0	232	123	26	0	149	418
7:45 AM	57	9	0	66	117	68	0	185	86	26	0	112	363
Total	137	27	0	164	495	232	0	727	489	110	0	599	1490
8:00 AM	48	5	0	53	94	49	0	143	68	25	0	93	289
8:15 AM	55	8	0	63	83	55	0	138	61	19	0	80	281
8:30 AM	51	12	0	63	81	63	0	144	63	35	0	98	305
8:45 AM	57	7	0	64	61	54	0	115	60	16	0	76	255
Total	211	32	0	243	319	221	0	540	252	95	0	347	1130
Grand Total	348	59	0	407	814	453	0	1267	741	205	0	946	2620
Approach %	85.5	14.5	0.0		64.2	35.8	0.0		78.3	21.7	0.0		
Total %	13.3	2.3	0.0	15.5	31.1	17.3	0.0	48.4	28.3	7.8	0.0	36.1	
Exiting Leg Total	1019				800				801				2620
Cars	342	57	0	399	805	435	0	1240	698	197	0	895	2534
% Cars	98.3	96.6	0.0	98.0	98.9	96.0	0.0	97.9	94.2	96.1	0.0	94.6	96.7
Exiting Leg Total	1002				755				777				2534
Heavy Vehicles	6	2	0	8	9	18	0	27	43	8	0	51	86
% Heavy Vehicles	1.7	3.4	0.0	2.0	1.1	4.0	0.0	2.1	5.8	3.9	0.0	5.4	3.3
Exiting Leg Total	17				45				24				86

Peak Hour Analysis from 07:00 AM to 09:00 AM begins at:

7:00 AM	I-495 NB Ramps				Amesbury Road (Route 110)				Amesbury Road (Route 110)				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
7:00 AM	25	5	0	30	120	45	0	165	149	26	0	175	370
7:15 AM	24	7	0	31	103	42	0	145	131	32	0	163	339
7:30 AM	31	6	0	37	155	77	0	232	123	26	0	149	418
7:45 AM	57	9	0	66	117	68	0	185	86	26	0	112	363
Total Volume	137	27	0	164	495	232	0	727	489	110	0	599	1490
% Approach Total	83.5	16.5	0.0		68.1	31.9	0.0		81.6	18.4	0.0		
PHF	0.601	0.750	0.000	0.621	0.798	0.753	0.000	0.783	0.820	0.859	0.000	0.856	0.891
Cars	136	26	0	162	490	226	0	716	458	108	0	566	1444
Cars %	99.3	96.3	0.0	98.8	99.0	97.4	0.0	98.5	93.7	98.2	0.0	94.5	96.9
Heavy Vehicles	1	1	0	2	5	6	0	11	31	2	0	33	46
Heavy Vehicles %	0.7	3.7	0.0	1.2	1.0	2.6	0.0	1.5	6.3	1.8	0.0	5.5	3.1
Cars Enter Leg	136	26	0	162	490	226	0	716	458	108	0	566	1444
Heavy Enter Leg	1	1	0	2	5	6	0	11	31	2	0	33	46
Total Entering Leg	137	27	0	164	495	232	0	727	489	110	0	599	1490
Cars Exiting Leg				598				484				362	1444
Heavy Exiting Leg				7				32				7	46
Total Exiting Leg				605				516				369	1490

PDI File #: 239269 A
 Location: N: I-495 NB Ramps
 Location: E: Amesbury Road (Route 110) W: Amesbury Road (Route 110)
 City, State: Haverhill, MA
 Client: VAI/ A. Arseneault
 Site Code: 9665
 Count Date: Thursday, March 30, 2023
 Start Time: 4:00 PM
 End Time: 6:00 PM
 Class:



Cars and Heavy Vehicles (Combined)

	I-495 NB Ramps				Amesbury Road (Route 110)				Amesbury Road (Route 110)				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
4:00 PM	63	8	0	71	70	66	0	136	163	40	0	203	410
4:15 PM	50	18	0	68	117	65	0	182	179	38	0	217	467
4:30 PM	65	19	0	84	74	59	0	133	127	42	0	169	386
4:45 PM	43	18	0	61	77	59	0	136	168	36	0	204	401
Total	221	63	0	284	338	249	0	587	637	156	0	793	1664
5:00 PM	58	15	1	74	61	53	0	114	130	37	0	167	355
5:15 PM	71	16	0	87	60	44	0	104	148	37	0	185	376
5:30 PM	63	11	0	74	45	44	0	89	134	27	0	161	324
5:45 PM	48	9	0	57	42	44	0	86	96	20	0	116	259
Total	240	51	1	292	208	185	0	393	508	121	0	629	1314
Grand Total	461	114	1	576	546	434	0	980	1145	277	0	1422	2978
Approach %	80.0	19.8	0.2		55.7	44.3	0.0		80.5	19.5	0.0		
Total %	15.5	3.8	0.0	19.3	18.3	14.6	0.0	32.9	38.4	9.3	0.0	47.8	
Exiting Leg Total	824				1259				895				2978
Cars	454	114	1	569	534	430	0	964	1129	275	0	1404	2937
% Cars	98.5	100.0	100.0	98.8	97.8	99.1	0.0	98.4	98.6	99.3	0.0	98.7	98.6
Exiting Leg Total	810				1243				884				2937
Heavy Vehicles	7	0	0	7	12	4	0	16	16	2	0	18	41
% Heavy Vehicles	1.5	0.0	0.0	1.2	2.2	0.9	0.0	1.6	1.4	0.7	0.0	1.3	1.4
Exiting Leg Total	14				16				11				41

Peak Hour Analysis from 04:00 PM to 06:00 PM begins at:

4:00 PM	I-495 NB Ramps				Amesbury Road (Route 110)				Amesbury Road (Route 110)				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
4:00 PM	63	8	0	71	70	66	0	136	163	40	0	203	410
4:15 PM	50	18	0	68	117	65	0	182	179	38	0	217	467
4:30 PM	65	19	0	84	74	59	0	133	127	42	0	169	386
4:45 PM	43	18	0	61	77	59	0	136	168	36	0	204	401
Total Volume	221	63	0	284	338	249	0	587	637	156	0	793	1664
% Approach Total	77.8	22.2	0.0		57.6	42.4	0.0		80.3	19.7	0.0		
PHF	0.850	0.829	0.000	0.845	0.722	0.943	0.000	0.806	0.890	0.929	0.000	0.914	0.891
Cars	215	63	0	278	334	247	0	581	626	156	0	782	1641
Cars %	97.3	100.0	0.0	97.9	98.8	99.2	0.0	99.0	98.3	100.0	0.0	98.6	98.6
Heavy Vehicles	6	0	0	6	4	2	0	6	11	0	0	11	23
Heavy Vehicles %	2.7	0.0	0.0	2.1	1.2	0.8	0.0	1.0	1.7	0.0	0.0	1.4	1.4
Cars Enter Leg	215	63	0	278	334	247	0	581	626	156	0	782	1641
Heavy Enter Leg	6	0	0	6	4	2	0	6	11	0	0	11	23
Total Entering Leg	221	63	0	284	338	249	0	587	637	156	0	793	1664
Cars Exiting Leg				490				689				462	1641
Heavy Exiting Leg				4				11				8	23
Total Exiting Leg				494				700				470	1664

PDI File #: 239269 A

Location: N: I-495 NB Ramps

Location: E: Amesbury Road (Route 110) W: Amesbury Road (Route 110)

City, State: Haverhill, MA

Client: VAI/ A. Arseneault

Site Code: 9665

Count Date: Saturday, April 1, 2023

Start Time: 11:00 AM

End Time: 2:00 PM

Class:



Cars and Heavy Vehicles (Combined)

	I-495 NB Ramps				Amesbury Road (Route 110)				Amesbury Road (Route 110)				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
11:00 AM	23	9	1	33	60	32	0	92	78	17	0	95	220
11:15 AM	28	7	0	35	52	33	0	85	59	23	0	82	202
11:30 AM	32	6	1	39	58	36	0	94	67	23	0	90	223
11:45 AM	31	10	0	41	51	37	0	88	84	24	0	108	237
Total	114	32	2	148	221	138	0	359	288	87	0	375	882
12:00 PM	30	9	0	39	53	37	0	90	77	32	0	109	238
12:15 PM	34	7	0	41	64	52	0	116	95	19	0	114	271
12:30 PM	25	13	0	38	73	38	0	111	95	34	0	129	278
12:45 PM	34	6	0	40	59	39	0	98	119	21	0	140	278
Total	123	35	0	158	249	166	0	415	386	106	0	492	1065
1:00 PM	31	10	0	41	55	43	0	98	90	10	0	100	239
1:15 PM	40	12	0	52	57	44	0	101	71	11	0	82	235
1:30 PM	31	6	0	37	45	39	0	84	76	13	0	89	210
1:45 PM	29	9	0	38	48	40	0	88	85	16	1	102	228
Total	131	37	0	168	205	166	0	371	322	50	1	373	912
Grand Total	368	104	2	474	675	470	0	1145	996	243	1	1240	2859
Approach %	77.6	21.9	0.4		59.0	41.0	0.0		80.3	19.6	0.1		
Total %	12.9	3.6	0.1	16.6	23.6	16.4	0.0	40.0	34.8	8.5	0.0	43.4	
Exiting Leg Total	920				1100				839				2859
Cars	361	103	2	466	670	465	0	1135	988	238	1	1227	2828
% Cars	98.1	99.0	100.0	98.3	99.3	98.9	0.0	99.1	99.2	97.9	100.0	99.0	98.9
Exiting Leg Total	910				1091				827				2828
Heavy Vehicles	7	1	0	8	5	5	0	10	8	5	0	13	31
% Heavy Vehicles	1.9	1.0	0.0	1.7	0.7	1.1	0.0	0.9	0.8	2.1	0.0	1.0	1.1
Exiting Leg Total	10				9				12				31

Peak Hour Analysis from 11:00 AM to 02:00 PM begins at:

12:15 PM	I-495 NB Ramps				Amesbury Road (Route 110)				Amesbury Road (Route 110)				Total
	from North				from East				from West				
	Right	Left	U-Turn	Total	Right	Thru	U-Turn	Total	Thru	Left	U-Turn	Total	
12:15 PM	34	7	0	41	64	52	0	116	95	19	0	114	271
12:30 PM	25	13	0	38	73	38	0	111	95	34	0	129	278
12:45 PM	34	6	0	40	59	39	0	98	119	21	0	140	278
1:00 PM	31	10	0	41	55	43	0	98	90	10	0	100	239
Total Volume	124	36	0	160	251	172	0	423	399	84	0	483	1066
% Approach Total	77.5	22.5	0.0		59.3	40.7	0.0		82.6	17.4	0.0		
PHF	0.912	0.692	0.000	0.976	0.860	0.827	0.000	0.912	0.838	0.618	0.000	0.863	0.959
Cars	119	36	0	155	249	170	0	419	394	83	0	477	1051
Cars %	96.0	100.0	0.0	96.9	99.2	98.8	0.0	99.1	98.7	98.8	0.0	98.8	98.6
Heavy Vehicles	5	0	0	5	2	2	0	4	5	1	0	6	15
Heavy Vehicles %	4.0	0.0	0.0	3.1	0.8	1.2	0.0	0.9	1.3	1.2	0.0	1.2	1.4
Cars Enter Leg	119	36	0	155	249	170	0	419	394	83	0	477	1051
Heavy Enter Leg	5	0	0	5	2	2	0	4	5	1	0	6	15
Total Entering Leg	124	36	0	160	251	172	0	423	399	84	0	483	1066
Cars Exiting Leg				332				430				289	1051
Heavy Exiting Leg				3				5				7	15
Total Exiting Leg				335				435				296	1066

PDI File #: 239269 B

Location: N: Wannalancet Road S: I-495 SB Ramps

Location: E: Amesbury Road (Route 110) W: Amesbury Road (Route 110)

City, State: Haverhill, MA

Client: VAI/ A. Arseneault

Site Code: 9665

Count Date: Thursday, March 30, 2023

Start Time: 7:00 AM

End Time: 9:00 AM

Class:



Cars and Heavy Vehicles (Combined)

	Wannalancet Road					Amesbury Road (Route 110)					I-495 SB Ramps					Amesbury Road (Route 110)					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	51	16	0	67	79	0	7	0	86	48	95	0	0	143	296
7:15 AM	0	0	0	0	0	0	58	13	0	71	68	0	12	0	80	48	93	0	0	141	292
7:30 AM	0	0	0	0	0	0	94	15	0	109	71	0	14	0	85	50	78	0	0	128	322
7:45 AM	0	0	0	0	0	0	111	13	0	124	48	0	24	0	72	58	61	0	0	119	315
Total	0	0	0	0	0	0	314	57	0	371	266	0	57	0	323	204	327	0	0	531	1225
8:00 AM	0	0	0	0	0	0	78	16	0	94	38	0	26	0	64	47	58	0	0	105	263
8:15 AM	0	0	0	0	0	0	99	11	0	110	34	0	28	0	62	44	50	0	0	94	266
8:30 AM	0	0	0	0	0	0	100	16	0	116	41	0	36	0	77	53	59	0	0	112	305
8:45 AM	0	0	0	0	0	0	97	11	0	108	37	0	39	0	76	49	53	0	0	102	286
Total	0	0	0	0	0	0	374	54	0	428	150	0	129	0	279	193	220	0	0	413	1120
Grand Total	0	0	0	0	0	0	688	111	0	799	416	0	186	0	602	397	547	0	0	944	2345
Approach %	0.0	0.0	0.0	0.0		0.0	86.1	13.9	0.0		69.1	0.0	30.9	0.0		42.1	57.9	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	29.3	4.7	0.0	34.1	17.7	0.0	7.9	0.0	25.7	16.9	23.3	0.0	0.0	40.3	
Exiting Leg Total	0					963					508					874					2345
Cars	0	0	0	0	0	0	661	109	0	770	388	0	179	0	567	385	522	0	0	907	2244
% Cars	0.0	0.0	0.0	0.0	0.0	0.0	96.1	98.2	0.0	96.4	93.3	0.0	96.2	0.0	94.2	97.0	95.4	0.0	0.0	96.1	95.7
Exiting Leg Total	0					910					494					840					2244
Heavy Vehicles	0	0	0	0	0	0	27	2	0	29	28	0	7	0	35	12	25	0	0	37	101
% Heavy Vehicles	0.0	0.0	0.0	0.0	0.0	0.0	3.9	1.8	0.0	3.6	6.7	0.0	3.8	0.0	5.8	3.0	4.6	0.0	0.0	3.9	4.3
Exiting Leg Total	0					53					14					34					101

Peak Hour Analysis from 07:00 AM to 09:00 AM begins at:

7:00 AM	Wannalancet Road					Amesbury Road (Route 110)					I-495 SB Ramps					Amesbury Road (Route 110)					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	51	16	0	67	79	0	7	0	86	48	95	0	0	143	296
7:15 AM	0	0	0	0	0	0	58	13	0	71	68	0	12	0	80	48	93	0	0	141	292
7:30 AM	0	0	0	0	0	0	94	15	0	109	71	0	14	0	85	50	78	0	0	128	322
7:45 AM	0	0	0	0	0	0	111	13	0	124	48	0	24	0	72	58	61	0	0	119	315
Total Volume	0	0	0	0	0	0	314	57	0	371	266	0	57	0	323	204	327	0	0	531	1225
% Approach Total	0.0	0.0	0.0	0.0		0.0	84.6	15.4	0.0		82.4	0.0	17.6	0.0		38.4	61.6	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.707	0.891	0.000	0.748	0.842	0.000	0.594	0.000	0.939	0.879	0.861	0.000	0.000	0.928	0.951
Cars	0	0	0	0	0	0	308	55	0	363	247	0	54	0	301	199	315	0	0	514	1178
Cars %	0.0	0.0	0.0	0.0	0.0	0.0	98.1	96.5	0.0	97.8	92.9	0.0	94.7	0.0	93.2	97.5	96.3	0.0	0.0	96.8	96.2
Heavy Vehicles	0	0	0	0	0	0	6	2	0	8	19	0	3	0	22	5	12	0	0	17	47
Heavy Vehicles %	0.0	0.0	0.0	0.0	0.0	0.0	1.9	3.5	0.0	2.2	7.1	0.0	5.3	0.0	6.8	2.5	3.7	0.0	0.0	3.2	3.8
Cars Enter Leg	0	0	0	0	0	0	308	55	0	363	247	0	54	0	301	199	315	0	0	514	1178
Heavy Enter Leg	0	0	0	0	0	0	6	2	0	8	19	0	3	0	22	5	12	0	0	17	47
Total Entering Leg	0	0	0	0	0	0	314	57	0	371	266	0	57	0	323	204	327	0	0	531	1225
Cars Exiting Leg						562					254					362					1178
Heavy Exiting Leg						31					7					9					47
Total Exiting Leg	0					593					261					371					1225

PDI File #: 239269 B

Location: N: Wannalancet Road S: I-495 SB Ramps

Location: E: Amesbury Road (Route 110) W: Amesbury Road (Route 110)

City, State: Haverhill, MA

Client: VAI/ A. Arseneault

Site Code: 9665

Count Date: Thursday, March 30, 2023

Start Time: 4:00 PM

End Time: 6:00 PM

Class:

PRECISION
DATA
INDUSTRIES, LLC157 Washington Street, Suite 2
Hudson, MA 01749
Office: 508-875-0100 Fax: 508-875-0118

Cars and Heavy Vehicles (Combined)

	Wannalancet Road					Amesbury Road (Route 110)					I-495 SB Ramps					Amesbury Road (Route 110)					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:00 PM	0	0	0	0	0	0	118	13	0	131	94	0	37	0	131	40	109	0	0	149	411
4:15 PM	0	0	0	0	0	0	105	6	0	111	113	0	35	0	148	63	92	0	0	155	414
4:30 PM	0	0	0	0	0	0	105	10	0	115	85	0	30	0	115	45	79	0	0	124	354
4:45 PM	0	0	0	0	0	0	100	7	0	107	124	0	38	0	162	42	79	0	0	121	390
Total	0	0	0	0	0	0	428	36	0	464	416	0	140	0	556	190	359	0	0	549	1569
5:00 PM	0	0	0	0	0	0	97	14	0	111	96	0	38	0	134	52	84	0	0	136	381
5:15 PM	1	0	0	0	1	0	110	6	0	116	113	0	26	0	139	61	79	0	0	140	396
5:30 PM	0	0	0	0	0	0	104	13	0	117	104	0	31	1	136	39	66	0	0	105	358
5:45 PM	0	0	0	0	0	0	85	6	0	91	70	0	49	0	119	36	45	0	0	81	291
Total	1	0	0	0	1	0	396	39	0	435	383	0	144	1	528	188	274	0	0	462	1426
Grand Total	1	0	0	0	1	0	824	75	0	899	799	0	284	1	1084	378	633	0	0	1011	2995
Approach %	100.0	0.0	0.0	0.0		0.0	91.7	8.3	0.0		73.7	0.0	26.2	0.1		37.4	62.6	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	27.5	2.5	0.0	30.0	26.7	0.0	9.5	0.0	36.2	12.6	21.1	0.0	0.0	33.8	
Exiting Leg Total	0					1432					454					1109					2995
Cars	1	0	0	0	1	0	810	74	0	884	782	0	280	1	1063	376	624	0	0	1000	2948
% Cars	100.0	0.0	0.0	0.0	100.0	0.0	98.3	98.7	0.0	98.3	97.9	0.0	98.6	100.0	98.1	99.5	98.6	0.0	0.0	98.9	98.4
Exiting Leg Total	0					1406					451					1091					2948
Heavy Vehicles	0	0	0	0	0	0	14	1	0	15	17	0	4	0	21	2	9	0	0	11	47
% Heavy Vehicles	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.3	0.0	1.7	2.1	0.0	1.4	0.0	1.9	0.5	1.4	0.0	0.0	1.1	1.6
Exiting Leg Total	0					26					3					18					47

Peak Hour Analysis from 04:00 PM to 06:00 PM begins at:

4:00 PM	Wannalancet Road					Amesbury Road (Route 110)					I-495 SB Ramps					Amesbury Road (Route 110)					Total		
	from North					from East					from South					from West							
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total			
4:00 PM	0	0	0	0	0	0	118	13	0	131	94	0	37	0	131	40	109	0	0	149	411		
4:15 PM	0	0	0	0	0	0	105	6	0	111	113	0	35	0	148	63	92	0	0	155	414		
4:30 PM	0	0	0	0	0	0	105	10	0	115	85	0	30	0	115	45	79	0	0	124	354		
4:45 PM	0	0	0	0	0	0	100	7	0	107	124	0	38	0	162	42	79	0	0	121	390		
Total Volume	0	0	0	0	0	0	428	36	0	464	416	0	140	0	556	190	359	0	0	549	1569		
% Approach Total	0.0	0.0	0.0	0.0		0.0	92.2	7.8	0.0		74.8	0.0	25.2	0.0		34.6	65.4	0.0	0.0				
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.907	0.692	0.000	0.885	0.839	0.000	0.921	0.000	0.858	0.754	0.823	0.000	0.000	0.885	0.947		
Cars	0	0	0	0	0	0	417	36	0	453	403	0	138	0	541	189	355	0	0	544	1538		
Cars %	0.0	0.0	0.0	0.0	0.0	0.0	97.4	100.0	0.0	97.6	96.9	0.0	98.6	0.0	97.3	99.5	98.9	0.0	0.0	99.1	98.0		
Heavy Vehicles	0	0	0	0	0	0	11	0	0	11	13	0	2	0	15	1	4	0	0	5	31		
Heavy Vehicles %	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	2.4	3.1	0.0	1.4	0.0	2.7	0.5	1.1	0.0	0.0	0.9	2.0		
Cars Enter Leg	0	0	0	0	0	0	417	36	0	453	403	0	138	0	541	189	355	0	0	544	1538		
Heavy Enter Leg	0	0	0	0	0	0	11	0	0	11	13	0	2	0	15	1	4	0	0	5	31		
Total Entering Leg	0	0	0	0	0	0	428	36	0	464	416	0	140	0	556	190	359	0	0	549	1569		
Cars Exiting Leg						0					758					225						555	1538
Heavy Exiting Leg						0					17					1						13	31
Total Exiting Leg						0					775					226						568	1569

PDI File #: 239269 B

Location: N: Wannalancet Road S: I-495 SB Ramps

Location: E: Amesbury Road (Route 110) W: Amesbury Road (Route 110)

City, State: Haverhill, MA

Client: VAI/ A. Arseneault

Site Code: 9665

Count Date: Saturday, April 1, 2023

Start Time: 11:00 AM

End Time: 2:00 PM

Class:



Cars and Heavy Vehicles (Combined)

	Wannalancet Road					Amesbury Road (Route 110)					I-495 SB Ramps					Amesbury Road (Route 110)					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
11:00 AM	0	0	0	0	0	0	45	13	0	58	49	0	7	0	56	27	48	0	0	75	189
11:15 AM	0	0	0	0	0	0	59	9	0	68	38	0	11	0	49	40	48	0	0	88	205
11:30 AM	0	0	0	0	0	0	66	6	0	72	37	0	20	0	57	31	49	0	0	80	209
11:45 AM	0	0	0	0	0	0	55	13	0	68	48	0	10	0	58	37	62	0	0	99	225
Total	0	0	0	0	0	0	225	41	0	266	172	0	48	0	220	135	207	0	0	342	828
12:00 PM	0	0	0	0	0	0	58	12	0	70	52	0	19	0	71	37	60	0	0	97	238
12:15 PM	0	0	0	0	0	0	83	4	0	87	58	0	12	0	70	36	56	0	0	92	249
12:30 PM	0	0	0	0	0	0	52	6	0	58	61	0	16	0	77	29	65	0	0	94	229
12:45 PM	0	0	0	0	0	0	64	7	0	71	89	0	23	0	112	31	52	0	0	83	266
Total	0	0	0	0	0	0	257	29	0	286	260	0	70	0	330	133	233	0	0	366	982
1:00 PM	0	0	0	0	0	0	62	11	0	73	58	0	18	0	76	31	43	0	0	74	223
1:15 PM	0	0	0	0	0	0	78	12	0	90	31	0	19	0	50	27	50	0	0	77	217
1:30 PM	0	0	0	0	0	0	57	10	0	67	57	0	14	0	71	36	43	0	0	79	217
1:45 PM	0	0	0	0	0	0	58	14	0	72	51	0	9	0	60	34	44	0	0	78	210
Total	0	0	0	0	0	0	255	47	0	302	197	0	60	0	257	128	180	0	0	308	867
Grand Total	0	0	0	0	0	0	737	117	0	854	629	0	178	0	807	396	620	0	0	1016	2677
Approach %	0.0	0.0	0.0	0.0		0.0	86.3	13.7	0.0		77.9	0.0	22.1	0.0		39.0	61.0	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	27.5	4.4	0.0	31.9	23.5	0.0	6.6	0.0	30.1	14.8	23.2	0.0	0.0	38.0	
Exiting Leg Total	0					1249					513					915					2677
Cars	0	0	0	0	0	0	719	117	0	836	622	0	172	0	794	388	611	0	0	999	2629
% Cars	0.0	0.0	0.0	0.0	0.0	0.0	97.6	100.0	0.0	97.9	98.9	0.0	96.6	0.0	98.4	98.0	98.5	0.0	0.0	98.3	98.2
Exiting Leg Total	0					1233					505					891					2629
Heavy Vehicles	0	0	0	0	0	0	18	0	0	18	7	0	6	0	13	8	9	0	0	17	48
% Heavy Vehicles	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0	2.1	1.1	0.0	3.4	0.0	1.6	2.0	1.5	0.0	0.0	1.7	1.8
Exiting Leg Total	0					16					8					24					48

Peak Hour Analysis from 11:00 AM to 02:00 PM begins at:

12:00 PM	Wannalancet Road					Amesbury Road (Route 110)					I-495 SB Ramps					Amesbury Road (Route 110)					Total		
	from North					from East					from South					from West							
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total			
12:00 PM	0	0	0	0	0	0	58	12	0	70	52	0	19	0	71	37	60	0	0	97	238		
12:15 PM	0	0	0	0	0	0	83	4	0	87	58	0	12	0	70	36	56	0	0	92	249		
12:30 PM	0	0	0	0	0	0	52	6	0	58	61	0	16	0	77	29	65	0	0	94	229		
12:45 PM	0	0	0	0	0	0	64	7	0	71	89	0	23	0	112	31	52	0	0	83	266		
Total Volume	0	0	0	0	0	0	257	29	0	286	260	0	70	0	330	133	233	0	0	366	982		
% Approach Total	0.0	0.0	0.0	0.0		0.0	89.9	10.1	0.0		78.8	0.0	21.2	0.0		36.3	63.7	0.0	0.0				
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.774	0.604	0.000	0.822	0.730	0.000	0.761	0.000	0.737	0.899	0.896	0.000	0.000	0.943	0.923		
Cars	0	0	0	0	0	0	248	29	0	277	255	0	68	0	323	132	230	0	0	362	962		
Cars %	0.0	0.0	0.0	0.0	0.0	0.0	96.5	100.0	0.0	96.9	98.1	0.0	97.1	0.0	97.9	99.2	98.7	0.0	0.0	98.9	98.0		
Heavy Vehicles	0	0	0	0	0	0	9	0	0	9	5	0	2	0	7	1	3	0	0	4	20		
Heavy Vehicles %	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	0.0	3.1	1.9	0.0	2.9	0.0	2.1	0.8	1.3	0.0	0.0	1.1	2.0		
Cars Enter Leg	0	0	0	0	0	0	248	29	0	277	255	0	68	0	323	132	230	0	0	362	962		
Heavy Enter Leg	0	0	0	0	0	0	9	0	0	9	5	0	2	0	7	1	3	0	0	4	20		
Total Entering Leg	0	0	0	0	0	0	257	29	0	286	260	0	70	0	330	133	233	0	0	366	982		
Cars Exiting Leg						0					485					161						316	962
Heavy Exiting Leg						0					8					1						11	20
Total Exiting Leg						0					493					162						327	982

PDI File #: 239269 C
 Location: N: Greenleaf Driveway S: Elliott Street
 Location: E: Amesbury Road (Route 110) W: Amesbury Road (Route 110)
 City, State: Haverhill, MA
 Client: VAI/ A. Arseneault
 Site Code: 9665
 Count Date: Thursday, March 30, 2023
 Start Time: 7:00 AM
 End Time: 9:00 AM
 Class:



Cars and Heavy Vehicles (Combined)

	Greenleaf Driveway					Amesbury Road (Route 110)					Elliott Street					Amesbury Road (Route 110)					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
7:00 AM	0	0	0	0	0	0	42	16	0	58	36	0	1	0	37	1	107	0	0	108	203
7:15 AM	0	0	0	0	0	0	49	22	0	71	30	0	2	0	32	0	112	0	0	112	215
7:30 AM	0	0	0	0	0	0	86	22	0	108	33	0	2	0	35	1	96	0	0	97	240
7:45 AM	0	0	0	0	0	0	85	50	0	135	36	0	3	0	39	0	83	0	0	83	257
Total	0	0	0	0	0	0	262	110	0	372	135	0	8	0	143	2	398	0	0	400	915
8:00 AM	0	0	0	0	0	0	65	39	0	104	25	0	1	0	26	5	77	0	0	82	212
8:15 AM	0	0	0	0	0	0	93	32	0	125	23	0	3	0	26	2	70	0	0	72	223
8:30 AM	0	0	0	0	0	0	86	50	0	136	34	0	1	0	35	0	80	0	0	80	251
8:45 AM	0	0	0	0	0	0	66	72	0	138	26	0	1	0	27	2	75	0	0	77	242
Total	0	0	0	0	0	0	310	193	0	503	108	0	6	0	114	9	302	0	0	311	928
Grand Total	0	0	0	0	0	0	572	303	0	875	243	0	14	0	257	11	700	0	0	711	1843
Approach %	0.0	0.0	0.0	0.0		0.0	65.4	34.6	0.0		94.6	0.0	5.4	0.0		1.5	98.5	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	31.0	16.4	0.0	47.5	13.2	0.0	0.8	0.0	13.9	0.6	38.0	0.0	0.0	38.6	
Exiting Leg Total	0					943					314					586					1843
Cars	0	0	0	0	0	0	551	293	0	844	233	0	13	0	246	8	671	0	0	679	1769
% Cars	0.0	0.0	0.0	0.0	0.0	0.0	96.3	96.7	0.0	96.5	95.9	0.0	92.9	0.0	95.7	72.7	95.9	0.0	0.0	95.5	96.0
Exiting Leg Total	0					904					301					564					1769
Heavy Vehicles	0	0	0	0	0	0	21	10	0	31	10	0	1	0	11	3	29	0	0	32	74
% Heavy Vehicles	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.3	0.0	3.5	4.1	0.0	7.1	0.0	4.3	27.3	4.1	0.0	0.0	4.5	4.0
Exiting Leg Total	0					39					13					22					74

Peak Hour Analysis from 07:00 AM to 09:00 AM begins at:

7:45 AM	Greenleaf Driveway					Amesbury Road (Route 110)					Elliott Street					Amesbury Road (Route 110)					Total		
	from North					from East					from South					from West							
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total			
7:45 AM	0	0	0	0	0	0	85	50	0	135	36	0	3	0	39	0	83	0	0	83	257		
8:00 AM	0	0	0	0	0	0	65	39	0	104	25	0	1	0	26	5	77	0	0	82	212		
8:15 AM	0	0	0	0	0	0	93	32	0	125	23	0	3	0	26	2	70	0	0	72	223		
8:30 AM	0	0	0	0	0	0	86	50	0	136	34	0	1	0	35	0	80	0	0	80	251		
Total Volume	0	0	0	0	0	0	329	171	0	500	118	0	8	0	126	7	310	0	0	317	943		
% Approach Total	0.0	0.0	0.0	0.0		0.0	65.8	34.2	0.0		93.7	0.0	6.3	0.0		2.2	97.8	0.0	0.0				
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.884	0.855	0.000	0.919	0.819	0.000	0.667	0.000	0.808	0.350	0.934	0.000	0.000	0.955	0.917		
Cars	0	0	0	0	0	0	316	164	0	480	114	0	7	0	121	6	300	0	0	306	907		
Cars %	0.0	0.0	0.0	0.0	0.0	0.0	96.0	95.9	0.0	96.0	96.6	0.0	87.5	0.0	96.0	85.7	96.8	0.0	0.0	96.5	96.2		
Heavy Vehicles	0	0	0	0	0	0	13	7	0	20	4	0	1	0	5	1	10	0	0	11	36		
Heavy Vehicles %	0.0	0.0	0.0	0.0	0.0	0.0	4.0	4.1	0.0	4.0	3.4	0.0	12.5	0.0	4.0	14.3	3.2	0.0	0.0	3.5	3.8		
Cars Enter Leg	0	0	0	0	0	0	316	164	0	480	114	0	7	0	121	6	300	0	0	306	907		
Heavy Enter Leg	0	0	0	0	0	0	13	7	0	20	4	0	1	0	5	1	10	0	0	11	36		
Total Entering Leg	0	0	0	0	0	0	329	171	0	500	118	0	8	0	126	7	310	0	0	317	943		
Cars Exiting Leg						0					414					170						323	907
Heavy Exiting Leg						0					14					8						14	36
Total Exiting Leg						0					428					178						337	943

PDI File #: 239269 C
 Location: N: Greenleaf Driveway S: Elliott Street
 Location: E: Amesbury Road (Route 110) W: Amesbury Road (Route 110)
 City, State: Haverhill, MA
 Client: VAI/ A. Arseneault
 Site Code: 9665
 Count Date: Thursday, March 30, 2023
 Start Time: 4:00 PM
 End Time: 6:00 PM
 Class:



Cars and Heavy Vehicles (Combined)

	Greenleaf Driveway					Amesbury Road (Route 110)					Elliott Street					Amesbury Road (Route 110)					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:00 PM	0	0	0	0	0	0	116	36	0	152	45	0	2	0	47	2	105	0	0	107	306
4:15 PM	0	0	0	0	0	0	106	32	0	138	44	0	2	0	46	7	111	0	0	118	302
4:30 PM	0	0	0	0	0	0	103	35	0	138	46	0	4	0	50	1	80	0	0	81	269
4:45 PM	0	0	0	0	0	0	101	36	0	137	35	0	1	0	36	2	84	0	0	86	259
Total	0	0	0	0	0	0	426	139	0	565	170	0	9	0	179	12	380	0	0	392	1136
5:00 PM	0	0	0	0	0	0	101	33	0	134	45	0	4	0	49	2	91	0	0	93	276
5:15 PM	0	0	0	0	0	0	105	33	0	138	48	0	2	0	50	2	92	0	0	94	282
5:30 PM	0	0	0	0	0	0	97	36	1	134	26	0	0	0	26	1	78	0	0	79	239
5:45 PM	0	0	0	0	0	0	82	52	0	134	20	0	1	0	21	3	60	0	0	63	218
Total	0	0	0	0	0	0	385	154	1	540	139	0	7	0	146	8	321	0	0	329	1015
Grand Total	0	0	0	0	0	0	811	293	1	1105	309	0	16	0	325	20	701	0	0	721	2151
Approach %	0.0	0.0	0.0	0.0		0.0	73.4	26.5	0.1		95.1	0.0	4.9	0.0		2.8	97.2	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	37.7	13.6	0.0	51.4	14.4	0.0	0.7	0.0	15.1	0.9	32.6	0.0	0.0	33.5	
Exiting Leg Total	0					1011					313					827					2151
Cars	0	0	0	0	0	0	798	289	1	1088	306	0	16	0	322	18	694	0	0	712	2122
% Cars	0.0	0.0	0.0	0.0	0.0	0.0	98.4	98.6	100.0	98.5	99.0	0.0	100.0	0.0	99.1	90.0	99.0	0.0	0.0	98.8	98.7
Exiting Leg Total	0					1001					307					814					2122
Heavy Vehicles	0	0	0	0	0	0	13	4	0	17	3	0	0	0	3	2	7	0	0	9	29
% Heavy Vehicles	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.4	0.0	1.5	1.0	0.0	0.0	0.0	0.9	10.0	1.0	0.0	0.0	1.2	1.3
Exiting Leg Total	0					10					6					13					29

Peak Hour Analysis from 04:00 PM to 06:00 PM begins at:

4:00 PM	Greenleaf Driveway					Amesbury Road (Route 110)					Elliott Street					Amesbury Road (Route 110)					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
4:00 PM	0	0	0	0	0	0	116	36	0	152	45	0	2	0	47	2	105	0	0	107	306
4:15 PM	0	0	0	0	0	0	106	32	0	138	44	0	2	0	46	7	111	0	0	118	302
4:30 PM	0	0	0	0	0	0	103	35	0	138	46	0	4	0	50	1	80	0	0	81	269
4:45 PM	0	0	0	0	0	0	101	36	0	137	35	0	1	0	36	2	84	0	0	86	259
Total Volume	0	0	0	0	0	0	426	139	0	565	170	0	9	0	179	12	380	0	0	392	1136
% Approach Total	0.0	0.0	0.0	0.0		0.0	75.4	24.6	0.0		95.0	0.0	5.0	0.0		3.1	96.9	0.0	0.0	392	1136
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.918	0.965	0.000	0.929	0.924	0.000	0.563	0.000	0.895	0.429	0.856	0.000	0.000	0.831	0.928
Cars	0	0	0	0	0	0	418	137	0	555	169	0	9	0	178	11	376	0	0	387	1120
Cars %	0.0	0.0	0.0	0.0	0.0	0.0	98.1	98.6	0.0	98.2	99.4	0.0	100.0	0.0	99.4	91.7	98.9	0.0	0.0	98.7	98.6
Heavy Vehicles	0	0	0	0	0	0	8	2	0	10	1	0	0	0	1	1	4	0	0	5	16
Heavy Vehicles %	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.4	0.0	1.8	0.6	0.0	0.0	0.0	0.6	8.3	1.1	0.0	0.0	1.3	1.4
Cars Enter Leg	0	0	0	0	0	0	418	137	0	555	169	0	9	0	178	11	376	0	0	387	1120
Heavy Enter Leg	0	0	0	0	0	0	8	2	0	10	1	0	0	0	1	1	4	0	0	5	16
Total Entering Leg	0	0	0	0	0	0	426	139	0	565	170	0	9	0	179	12	380	0	0	392	1136
Cars Exiting Leg						545					148					427					1120
Heavy Exiting Leg						5					3					8					16
Total Exiting Leg						550					151					435					1136

PDI File #: 239269 C
 Location: N: Greenleaf Driveway S: Elliott Street
 Location: E: Amesbury Road (Route 110) W: Amesbury Road (Route 110)
 City, State: Haverhill, MA
 Client: VAI/ A. Arseneault
 Site Code: 9665
 Count Date: Saturday, April 1, 2023
 Start Time: 11:00 AM
 End Time: 2:00 PM
 Class:



Cars and Heavy Vehicles (Combined)

	Greenleaf Driveway					Amesbury Road (Route 110)					Elliott Street					Amesbury Road (Route 110)					Total
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	
11:00 AM	0	0	0	0	0	0	40	14	0	54	10	0	1	0	11	1	64	0	0	65	130
11:15 AM	0	0	0	0	0	0	53	15	0	68	25	0	2	0	27	1	65	0	0	66	161
11:30 AM	0	0	0	0	0	0	62	20	0	82	16	0	1	0	17	2	64	0	0	66	165
11:45 AM	0	0	0	0	0	0	51	15	0	66	26	0	2	0	28	1	73	0	0	74	168
Total	0	0	0	0	0	0	206	64	0	270	77	0	6	0	83	5	266	0	0	271	624
12:00 PM	0	0	0	0	0	0	62	16	0	78	23	0	3	0	26	3	74	0	0	77	181
12:15 PM	0	0	0	0	0	0	70	25	0	95	26	0	3	0	29	3	65	0	0	68	192
12:30 PM	0	0	0	0	0	0	48	19	0	67	19	0	1	0	20	2	75	0	0	77	164
12:45 PM	0	0	0	0	0	0	61	26	0	87	15	0	0	0	15	2	68	0	0	70	172
Total	0	0	0	0	0	0	241	86	0	327	83	0	7	0	90	10	282	0	0	292	709
1:00 PM	0	0	0	0	0	0	53	28	0	81	12	0	2	0	14	0	62	0	0	62	157
1:15 PM	0	0	0	0	0	0	73	24	0	97	14	0	1	0	15	2	63	0	0	65	177
1:30 PM	0	0	0	0	0	0	56	15	0	71	18	0	1	0	19	2	61	0	0	63	153
1:45 PM	0	0	0	0	0	0	55	9	0	64	11	0	2	0	13	2	67	0	0	69	146
Total	0	0	0	0	0	0	237	76	0	313	55	0	6	0	61	6	253	0	0	259	633
Grand Total	0	0	0	0	0	0	684	226	0	910	215	0	19	0	234	21	801	0	0	822	1966
Approach %	0.0	0.0	0.0	0.0		0.0	75.2	24.8	0.0		91.9	0.0	8.1	0.0		2.6	97.4	0.0	0.0		
Total %	0.0	0.0	0.0	0.0	0.0	0.0	34.8	11.5	0.0	46.3	10.9	0.0	1.0	0.0	11.9	1.1	40.7	0.0	0.0	41.8	
Exiting Leg Total	0					1016					247					703					1966
Cars	0	0	0	0	0	0	670	217	0	887	213	0	19	0	232	19	786	0	0	805	1924
% Cars	0.0	0.0	0.0	0.0	0.0	0.0	98.0	96.0	0.0	97.5	99.1	0.0	100.0	0.0	99.1	90.5	98.1	0.0	0.0	97.9	97.9
Exiting Leg Total	0					999					236					689					1924
Heavy Vehicles	0	0	0	0	0	0	14	9	0	23	2	0	0	0	2	2	15	0	0	17	42
% Heavy Vehicles	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.0	0.0	2.5	0.9	0.0	0.0	0.0	0.9	9.5	1.9	0.0	0.0	2.1	2.1
Exiting Leg Total	0					17					11					14					42

Peak Hour Analysis from 11:00 AM to 02:00 PM begins at:

12:00 PM	Greenleaf Driveway					Amesbury Road (Route 110)					Elliott Street					Amesbury Road (Route 110)					
	from North					from East					from South					from West					
	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Right	Thru	Left	U-Turn	Total	Total
12:00 PM	0	0	0	0	0	0	62	16	0	78	23	0	3	0	26	3	74	0	0	77	181
12:15 PM	0	0	0	0	0	0	70	25	0	95	26	0	3	0	29	3	65	0	0	68	192
12:30 PM	0	0	0	0	0	0	48	19	0	67	19	0	1	0	20	2	75	0	0	77	164
12:45 PM	0	0	0	0	0	0	61	26	0	87	15	0	0	0	15	2	68	0	0	70	172
Total Volume	0	0	0	0	0	0	241	86	0	327	83	0	7	0	90	10	282	0	0	292	709
% Approach Total	0.0	0.0	0.0	0.0		0.0	73.7	26.3	0.0		92.2	0.0	7.8	0.0		3.4	96.6	0.0	0.0		
PHF	0.000	0.000	0.000	0.000	0.000	0.000	0.861	0.827	0.000	0.861	0.798	0.000	0.583	0.000	0.776	0.833	0.940	0.000	0.000	0.948	0.923
Cars	0	0	0	0	0	0	234	84	0	318	83	0	7	0	90	9	277	0	0	286	694
Cars %	0.0	0.0	0.0	0.0	0.0	0.0	97.1	97.7	0.0	97.2	100.0	0.0	100.0	0.0	100.0	90.0	98.2	0.0	0.0	97.9	97.9
Heavy Vehicles	0	0	0	0	0	0	7	2	0	9	0	0	0	0	0	1	5	0	0	6	15
Heavy Vehicles %	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.3	0.0	2.8	0.0	0.0	0.0	0.0	0.0	10.0	1.8	0.0	0.0	2.1	2.1
Cars Enter Leg	0	0	0	0	0	0	234	84	0	318	83	0	7	0	90	9	277	0	0	286	694
Heavy Enter Leg	0	0	0	0	0	0	7	2	0	9	0	0	0	0	0	1	5	0	0	6	15
Total Entering Leg	0	0	0	0	0	0	241	86	0	327	83	0	7	0	90	10	282	0	0	292	709
Cars Exiting Leg	0					360					93					241					694
Heavy Exiting Leg	0					5					3					7					15
Total Exiting Leg	0					365					96					248					709

**Amesbury Road (Route 110)
east of Elliot Street
City, State: Haverhill, MA
Client: VAI/ A. Arseneault
Site Code: 9665**



PDI File # 239269 ATR-A

Direction: EB

Weekly Report

[illegible]

**Amesbury Road (Route 110)
east of Elliot Street
City, State: Haverhill, MA
Client: VAI/ A. Arseneault
Site Code: 9665**



PDI File # 239269 ATR-A

Direction: WB

Weekly Report

[illegible]

SEASONAL ADJUSTMENT DATA



PUBLIC TRANSPORTATION SCHEDULES





17 Haverhill-Salisbury Beach via Amesbury

Lawrence
BUCKLEY TRANSPORTATION CENTER ▼

See the [Fares](#) page for information on fares and passes.

Haverhill
WASHINGTON SQUARE ▼

Boston
COMMUTER SERVICES ▼

Amesbury
COSTELLO CENTER ▼

Timetables for 17 Route 17

Weekday

Saturday

Sunday

OUTBOUND

[Scroll to see full schedule →](#)

Washington Square Transit Center	5:00am	6:00am	7:00am	8:00am	9:00am	10:00am	11:00am	12:00pm	1:00pm	2:0
NECC Haverhill Campus	5:10am	6:10am	7:10am	8:10am	9:10am	10:10am	11:10am	12:10pm	1:10pm	2:1
Merri Village	5:20am	6:20am	7:20am	8:20am	9:20am	10:20am	11:20am	12:20pm	1:20pm	2:2
Route 110 & Main St	5:30am	6:30am	7:30am	8:30am	9:30am	10:30am	11:30am	12:30pm	1:30pm	2:3
Nicholas J. Costello Transportation Center	5:40am	6:40am	7:40am	8:40am	9:40am	10:40am	11:40am	12:40pm	1:40pm	2:4
Carriagetown Marketplace - Stop & Shop	5:45am	6:45am	7:45am	8:45am	9:45am	10:45am	11:45am	12:45pm	1:45pm	2:4
Salisbury Beach	5:55am	6:55am	7:55am	8:55am	9:55am	10:55am	11:55am	12:55pm	1:55pm	2:5

INBOUND

[Scroll to see full schedule →](#)

Salisbury Beach	5:00am	6:00am	7:00am	8:00am	9:00am	10:00am	11:00am	12:00pm	1:00pm	2:0
Carriagetown Marketplace - Stop & Shop	5:10am	6:10am	7:10am	8:10am	9:10am	10:10am	11:10am	12:10pm	1:10pm	2:1
Nicholas J. Costello Transportation Center	5:20am	6:20am	7:20am	8:20am	9:20am	10:20am	11:20am	12:20pm	1:20pm	2:2
Route 110 & Main St	5:25am	6:25am	7:25am	8:25am	9:25am	10:25am	11:25am	12:25pm	1:25pm	2:2
Merri Village	5:35am	6:35am	7:35am	8:35am	9:35am	10:35am	11:35am	12:35pm	1:35pm	2:3
NECC Haverhill Campus	5:45am	6:45am	7:45am	8:45am	9:45am	10:45am	11:45am	12:45pm	1:45pm	2:4
Washington Square Transit Center	5:55am	6:55am	7:55am	8:55am	9:55am	10:55am	11:55am	12:55pm	1:55pm	2:5



Contact Us

MVRTA Administrative Offices

Monday - Friday
8:00AM - 5:00PM

85 Railroad Avenue
Haverhill, MA 01835

(978) 469-6878

(978) 521-5956

Administration

Advisory Board Meeting

Careers

Contact Us

Open Government

Title VI Policy

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About MVRTA

The MVRTA serves the northeast corner of Massachusetts with over 1 million miles of scheduled bus routes, and elderly and disabled transportation.

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MASSDOT CRASH RATE WORKSHEETS



INTERSECTION CRASH RATE WORKSHEET

CITY/TOWN : Haverhill COUNT DATE : Apr-23

DISTRICT : 4 UNSIGNALIZED : ☒ SIGNALIZED : ☐

~ INTERSECTION DATA ~

MAJOR STREET : Route 110

MINOR STREET(S) : I-495 SB ramps

INTERSECTION
 DIAGRAM
 (Label Approaches)



PEAK HOUR VOLUMES

APPROACH :	1	2	3	4	5	Total Peak Hourly Approach Volume
DIRECTION :	EB	WB	NB	SB		
PEAK HOURLY VOLUMES (AM) :	284		793	587		1,664
"K" FACTOR :	0.090	INTERSECTION ADT (V) = TOTAL DAILY APPROACH VOLUME :				18,489
TOTAL # OF CRASHES :	6	# OF YEARS :	5	AVERAGE # OF CRASHES PER YEAR (A) :		1.20

CRASH RATE CALCULATION :

0.18

$$\text{RATE} = \frac{(A * 1,000,000)}{(V * 365)}$$

Comments : Below Statewide and District Crash Rates

Project Title & Date : Proposed Gas Station/Convenience Store

INTERSECTION CRASH RATE WORKSHEET

CITY/TOWN : Haverhill COUNT DATE : Apr-23

DISTRICT : 4 UNSIGNALIZED : ☒ SIGNALIZED : ☐

~ INTERSECTION DATA ~

MAJOR STREET : Route 110

MINOR STREET(S) : I-495 NB ramps

Wannalancet Road

**INTERSECTION
DIAGRAM**
(Label Approaches)



PEAK HOUR VOLUMES

APPROACH :	1	2	3	4	5	Total Peak Hourly Approach Volume
DIRECTION :	EB	WB	NB	SB		
PEAK HOURLY VOLUMES (AM) :	0	556	549	464		1,569
" K " FACTOR :	0.090	INTERSECTION ADT (V) = TOTAL DAILY APPROACH VOLUME :				17,433
TOTAL # OF CRASHES :	18	# OF YEARS :	5	AVERAGE # OF CRASHES PER YEAR (A) :		3.60

CRASH RATE CALCULATION :

0.57

$$\text{RATE} = \frac{(A * 1,000,000)}{(V * 365)}$$

Comments : Below Statewide and District Crash Rates

Project Title & Date: Proposed Gas Station/Convenience Store

INTERSECTION CRASH RATE WORKSHEET

CITY/TOWN : Haverhill COUNT DATE : Apr-23

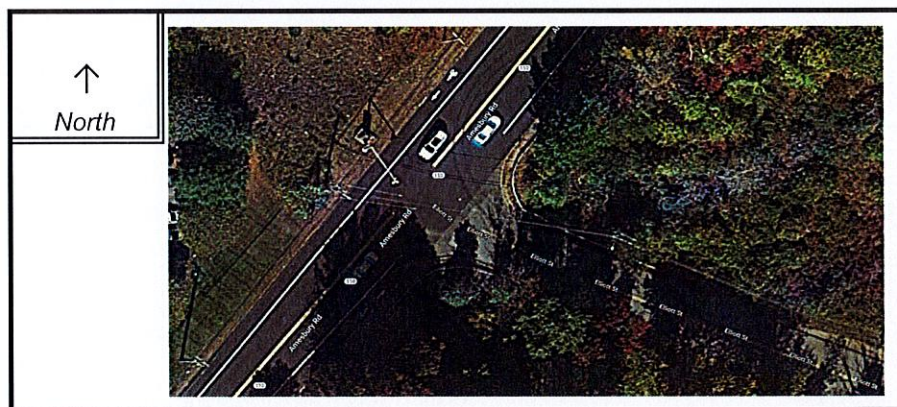
DISTRICT : 4 UNSIGNALIZED : ☒ SIGNALIZED : ☐

~ INTERSECTION DATA ~

MAJOR STREET : Route 110

MINOR STREET(S) : Elliott Street

**INTERSECTION
DIAGRAM**
(Label Approaches)



PEAK HOUR VOLUMES

APPROACH :	1	2	3	4	5	Total Peak Hourly Approach Volume
DIRECTION :	EB	WB	NB	SB		
PEAK HOURLY VOLUMES (AM) :		136	317	500		953
"K" FACTOR :	0.090	INTERSECTION ADT (V) = TOTAL DAILY APPROACH VOLUME :				10,589
TOTAL # OF CRASHES :	11	# OF YEARS :	5	AVERAGE # OF CRASHES PER YEAR (A) :		2.20

CRASH RATE CALCULATION :

0.57

$$\text{RATE} = \frac{(A * 1,000,000)}{(V * 365)}$$

Comments : Below Statewide and District Crash Rates

Project Title & Date: Proposed Gas Station/Convenience Store

VEHICLE SPEED DATA



Amesbury Road (Route 110)
east of Elliott Street
City, State: Haverhill, MA
Client: VAI/ A. Arseneault
Site Code: 9665



PDI File #: 239269 ATR-A (Speed)

Count Date
Thursday, March 30, 2023

Speed (60-minute)

EB																
Start Time:	1 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70+	Total	85th %ile	Ave Speed
12:00 AM	0	0	1	0	4	1	1	1	0	0	0	0	0	8	39.8	33.9
1:00 AM	0	0	2	1	0	5	1	0	0	0	0	0	0	9	38.8	33.0
2:00 AM	0	0	3	0	0	3	2	0	1	0	1	0	0	10	47.5	37.7
3:00 AM	0	1	3	0	2	3	5	5	2	0	0	0	0	21	46.0	38.2
4:00 AM	0	3	11	0	2	6	16	5	1	0	0	0	0	44	44.0	35.2
5:00 AM	0	12	21	4	1	32	44	21	2	1	1	0	0	139	45.0	36.4
6:00 AM	0	13	56	14	11	70	128	54	10	1	1	0	0	358	45.0	37.2
7:00 AM	0	6	88	22	19	128	206	69	8	1	0	0	0	547	44.0	37.2
8:00 AM	0	12	77	9	21	89	148	44	5	0	0	0	0	405	44.0	36.2
9:00 AM	0	19	63	14	22	85	87	23	4	0	0	0	0	317	43.0	34.4
10:00 AM	0	14	77	20	17	89	105	28	0	0	0	0	0	350	42.7	34.4
11:00 AM	1	15	67	20	13	97	99	28	4	1	0	0	0	345	43.0	34.9
12:00 PM	0	13	104	26	30	121	120	26	2	0	0	0	0	442	43.0	33.9
1:00 PM	0	19	107	18	30	104	96	38	6	0	0	0	0	418	43.0	33.8
2:00 PM	0	8	121	27	30	107	135	32	1	0	0	0	0	461	43.0	34.0
3:00 PM	0	24	153	34	35	126	181	40	4	1	0	0	0	598	43.0	33.9
4:00 PM	2	17	105	17	42	153	173	37	5	0	0	0	0	551	43.0	35.2
5:00 PM	0	10	98	20	11	110	161	44	3	0	0	0	0	457	44.0	35.7
6:00 PM	0	8	48	13	17	61	110	39	7	0	0	0	0	303	44.7	36.9
7:00 PM	0	15	43	3	5	64	55	17	1	0	0	0	0	203	43.0	34.6
8:00 PM	0	9	63	4	14	52	34	7	1	1	0	0	0	185	40.4	31.5
9:00 PM	0	3	12	1	8	44	23	9	2	0	0	0	0	102	42.0	36.4
10:00 PM	0	1	8	4	14	30	24	3	2	1	0	0	0	87	42.0	36.5
11:00 PM	0	2	6	2	6	20	6	4	0	1	0	0	0	47	42.1	35.3
Total	3	224	1337	273	354	1600	1960	574	71	8	3	0	0	6407	44.0	35.1
Percent	0.05%	3.50%	20.87%	4.26%	5.53%	24.97%	30.59%	8.96%	1.11%	0.12%	0.05%	0.00%	0.00%			

AM Peak	11:00 AM	9:00 AM	7:00 AM	7:00 AM	9:00 AM	7:00 AM	7:00 AM	7:00 AM	6:00 AM	5:00 AM	2:00 AM			7:00 AM
Volume	1	19	88	22	22	128	206	69	10	1	1	0	0	547
PM Peak	4:00 PM	3:00 PM	3:00 PM	3:00 PM	4:00 PM	4:00 PM	3:00 PM	5:00 PM	6:00 PM	3:00 PM				3:00 PM
Volume	2	24	153	34	42	153	181	44	7	1	0	0	0	598

15th Percentile:	22.0 MPH	Average Speed:	35.1 MPH	Posted Speed Limit:	35 MPH
50th Percentile:	38.0 MPH	10 MPH Pace:	36 to 45 MPH	Number of Vehicles > 35 MPH:	4035
85th Percentile:	44.0 MPH	Number in Pace:	3570	Percent of Vehicles > 35 MPH:	63.0%
95th Percentile:	46.0 MPH	Percent in Pace:	55.7%		

Amesbury Road (Route 110)
east of Elliott Street
City, State: Haverhill, MA
Client: VAI/ A. Arseneault
Site Code: 9665



PDI File #: 239269 ATR-A (Speed)

Count Date
Thursday, March 30, 2023

Speed (60-minute)

WB																
Start Time:	1 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70+	Total	85th %ile	Ave Speed
12:00 AM	0	0	2	1	3	6	6	4	1	0	0	0	0	23	45.0	37.8
1:00 AM	0	0	0	1	2	6	3	3	0	0	0	0	0	15	44.6	38.1
2:00 AM	0	0	0	0	1	2	5	1	0	0	0	0	0	9	42.6	40.0
3:00 AM	1	0	1	0	0	4	4	1	0	0	0	0	0	11	43.0	36.2
4:00 AM	0	0	0	2	2	8	4	3	0	0	0	0	0	19	43.6	37.6
5:00 AM	0	2	2	3	8	9	8	6	2	0	0	0	0	40	45.0	36.6
6:00 AM	1	5	10	5	13	38	61	15	5	0	0	0	0	153	44.0	37.8
7:00 AM	1	6	17	8	24	97	107	44	3	0	0	0	0	307	45.0	38.2
8:00 AM	4	28	44	19	55	119	102	24	0	0	0	0	0	395	42.0	34.3
9:00 AM	8	18	38	21	44	80	89	15	2	0	0	0	0	315	42.0	33.9
10:00 AM	2	19	26	23	32	82	72	16	1	0	0	0	0	273	43.0	34.6
11:00 AM	3	6	24	17	28	77	89	19	2	0	0	0	0	265	43.0	36.3
12:00 PM	1	20	40	18	29	92	93	20	3	1	0	0	0	317	43.0	35.1
1:00 PM	0	7	23	25	45	103	81	22	3	1	0	0	0	310	43.0	36.0
2:00 PM	2	13	27	18	56	118	129	34	3	1	0	0	0	401	43.0	36.6
3:00 PM	1	11	29	28	71	163	139	26	2	0	0	0	0	470	42.0	36.3
4:00 PM	2	11	24	24	71	154	159	33	2	0	1	0	0	481	43.0	36.8
5:00 PM	1	14	31	30	61	144	142	45	4	1	0	0	0	473	43.0	36.6
6:00 PM	2	8	26	16	24	101	83	16	2	0	0	0	0	278	43.0	36.1
7:00 PM	0	8	8	12	15	56	67	18	2	0	1	0	0	187	44.0	37.5
8:00 PM	0	5	11	6	28	92	52	10	2	0	0	0	0	206	42.0	36.7
9:00 PM	1	2	4	0	24	38	48	15	3	0	0	0	0	135	44.0	38.2
10:00 PM	0	3	4	2	6	18	22	6	4	0	0	0	0	65	44.4	37.8
11:00 PM	0	0	1	2	8	15	19	9	0	0	0	0	0	54	45.1	39.2
Total	30	186	392	281	650	1622	1584	405	46	4	2	0	0	5202	43.0	36.2
Percent	0.58%	3.58%	7.54%	5.40%	12.50%	31.18%	30.45%	7.79%	0.88%	0.08%	0.04%	0.00%	0.00%			

AM Peak	9:00 AM	8:00 AM	8:00 AM	10:00 AM	8:00 AM	8:00 AM	7:00 AM	7:00 AM	6:00 AM					8:00 AM
Volume	8	28	44	23	55	119	107	44	5	0	0	0	0	395
PM Peak	2:00 PM	12:00 PM	12:00 PM	5:00 PM	3:00 PM	3:00 PM	4:00 PM	5:00 PM	5:00 PM	12:00 PM	4:00 PM			4:00 PM
Volume	2	20	40	30	71	163	159	45	4	1	1	0	0	481

15th Percentile:	28.0 MPH	Average Speed:	36.2 MPH	Posted Speed Limit:	35 MPH
50th Percentile:	38.0 MPH	10 MPH Pace:	35 to 44 MPH	Number of Vehicles > 35 MPH:	3439
85th Percentile:	43.0 MPH	Number in Pace:	3206	Percent of Vehicles > 35 MPH:	66.1%
95th Percentile:	46.0 MPH	Percent in Pace:	61.6%		

Amesbury Road (Route 110)
 east of Elliott Street
 City, State: Haverhill, MA
 Client: VAI/ A. Arseneault
 Site Code: 9665



PDI File #: 239269 ATR-A (Speed)

Count Date
 Saturday, April 1, 2023

Speed (60-minute)

EB																
Start Time:	1 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70+	Total	85th %ile	Ave Speed
12:00 AM	0	2	3	2	8	10	5	3	1	0	0	0	0	34	44.0	34.9
1:00 AM	0	1	2	2	1	4	7	1	0	1	0	0	0	19	43.3	36.7
2:00 AM	0	2	1	0	1	7	4	3	1	0	0	0	0	19	45.3	37.2
3:00 AM	0	0	0	0	1	3	3	0	0	0	0	0	0	7	40.1	38.0
4:00 AM	0	1	3	1	5	11	2	0	2	0	0	0	0	25	40.6	35.1
5:00 AM	0	3	3	0	5	13	13	9	0	0	1	0	0	47	46.0	38.0
6:00 AM	0	5	14	2	5	23	23	9	6	0	0	0	0	87	45.1	36.2
7:00 AM	1	8	28	1	8	38	47	18	1	0	0	0	0	150	44.0	35.8
8:00 AM	0	8	25	6	10	38	67	31	1	0	0	0	0	186	45.0	37.0
9:00 AM	1	6	42	7	21	58	103	27	8	0	0	0	0	273	44.0	36.9
10:00 AM	0	6	40	9	20	67	97	40	5	0	0	0	0	284	45.0	37.0
11:00 AM	0	9	54	7	20	101	119	29	4	0	0	0	0	343	43.0	36.4
12:00 PM	0	10	50	11	22	97	132	34	4	0	0	0	0	360	44.0	36.8
1:00 PM	0	7	38	8	21	72	125	28	3	2	0	0	0	304	44.0	37.4
2:00 PM	0	11	45	3	15	84	115	41	3	0	0	0	0	317	44.0	37.1
3:00 PM	0	9	49	9	17	69	127	36	1	2	0	0	0	319	44.0	36.8
4:00 PM	0	10	62	8	14	64	114	31	7	1	0	0	0	311	44.0	36.2
5:00 PM	0	16	44	14	22	59	122	36	2	1	0	0	0	316	44.0	36.4
6:00 PM	0	12	27	8	13	66	114	38	2	0	0	0	0	280	44.0	37.7
7:00 PM	0	8	27	4	17	53	66	22	1	2	0	0	0	200	44.0	36.6
8:00 PM	0	5	21	3	19	61	38	3	1	0	0	0	0	151	41.5	35.1
9:00 PM	0	9	4	8	15	35	23	9	1	0	0	0	0	104	42.6	35.3
10:00 PM	0	1	7	9	19	39	23	3	0	0	1	0	0	102	41.0	35.5
11:00 PM	0	2	12	1	16	26	22	8	1	0	0	0	0	88	43.0	35.4
Total	2	151	601	123	315	1098	1511	459	55	9	2	0	0	4326	44.0	36.6
Percent	0.05%	3.49%	13.89%	2.84%	7.28%	25.38%	34.93%	10.61%	1.27%	0.21%	0.05%	0.00%	0.00%			

AM Peak 7:00 AM 11:00 AM 11:00 AM 10:00 AM 9:00 AM 11:00 AM 11:00 AM 10:00 AM 9:00 AM 1:00 AM 5:00 AM 11:00 AM
 Volume 1 9 54 9 21 101 119 40 8 1 1 0 0 343

PM Peak 5:00 PM 4:00 PM 5:00 PM 12:00 PM 12:00 PM 2:00 PM 4:00 PM 1:00 PM 10:00 PM 12:00 PM
 Volume 0 16 62 14 22 97 132 41 7 2 1 0 0 360

15th Percentile:	23.0 MPH	Average Speed:	36.6 MPH	Posted Speed Limit:	35 MPH
50th Percentile:	39.0 MPH	10 MPH Pace:	36 to 45 MPH	Number of Vehicles > 35 MPH:	2983
85th Percentile:	44.0 MPH	Number in Pace:	2622	Percent of Vehicles > 35 MPH:	69.0%
95th Percentile:	47.0 MPH	Percent in Pace:	60.6%		

Amesbury Road (Route 110)
east of Elliott Street
City, State: Haverhill, MA
Client: VAI/ A. Arseneault
Site Code: 9665



PDI File #: 239269 ATR-A (Speed)

Count Date
Saturday, April 1, 2023

Speed (60-minute)

WB																
Start Time:	1 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70+	Total	85th %ile	Ave Speed
12:00 AM	0	2	1	0	6	15	11	2	0	0	0	0	0	37	42.6	36.8
1:00 AM	0	0	1	0	1	7	10	2	2	1	0	0	0	24	46.7	41.0
2:00 AM	0	1	4	0	1	6	3	1	0	1	0	0	0	17	40.0	34.2
3:00 AM	0	0	0	0	0	0	4	1	1	1	0	0	0	7	53.6	46.6
4:00 AM	0	0	2	0	4	9	2	0	0	0	0	0	0	17	38.0	35.0
5:00 AM	1	0	1	2	2	7	9	3	0	0	0	0	0	25	44.0	37.4
6:00 AM	0	3	2	1	5	12	16	7	1	0	0	0	0	47	45.1	38.0
7:00 AM	1	0	4	3	13	29	38	12	1	0	0	0	0	101	44.0	38.4
8:00 AM	0	1	7	4	11	40	37	16	2	0	0	0	0	118	44.5	38.4
9:00 AM	0	4	14	4	18	75	61	19	2	1	0	0	0	198	43.0	37.6
10:00 AM	0	5	9	8	13	70	90	19	5	0	0	0	0	219	43.0	38.5
11:00 AM	3	5	25	3	28	92	79	7	2	0	0	0	0	244	42.0	36.0
12:00 PM	1	5	17	8	35	91	76	23	1	0	0	0	0	257	43.0	36.9
1:00 PM	1	5	18	13	21	84	103	25	3	0	0	0	0	273	43.0	37.4
2:00 PM	1	14	18	9	27	79	97	27	3	0	0	0	0	275	44.0	37.0
3:00 PM	2	1	19	15	29	74	104	43	3	0	0	0	0	290	45.0	38.1
4:00 PM	0	3	23	3	26	69	114	38	5	2	0	0	0	283	45.0	38.7
5:00 PM	1	5	10	10	15	51	103	33	7	0	0	0	0	235	45.0	39.2
6:00 PM	0	5	15	5	20	71	105	35	6	0	0	0	0	262	45.0	38.8
7:00 PM	1	9	19	5	25	90	78	31	1	0	0	0	0	259	44.0	37.2
8:00 PM	0	8	6	8	38	66	68	19	3	0	0	0	0	216	43.0	37.1
9:00 PM	1	6	5	7	31	57	23	8	3	0	0	0	0	141	41.0	35.4
10:00 PM	0	7	5	2	20	42	27	5	0	1	0	0	0	109	42.0	35.8
11:00 PM	0	5	2	0	9	29	19	4	2	2	0	0	0	72	43.0	37.5
Total	13	94	227	110	398	1165	1277	380	53	9	0	0	0	3726	44.0	37.6
Percent	0.35%	2.52%	6.09%	2.95%	10.68%	31.27%	34.27%	10.20%	1.42%	0.24%	0.00%	0.00%	0.00%			

AM Peak	11:00 AM	10:00 AM	11:00 AM	10:00 AM	11:00 AM	11:00 AM	10:00 AM	9:00 AM	10:00 AM	1:00 AM					11:00 AM
Volume	3	5	25	8	28	92	90	19	5	1	0	0	0	244	
PM Peak	3:00 PM	2:00 PM	4:00 PM	3:00 PM	8:00 PM	12:00 PM	4:00 PM	3:00 PM	5:00 PM	4:00 PM				3:00 PM	
Volume	2	14	23	15	38	91	114	43	7	2	0	0	0	290	

15th Percentile:	32.0 MPH	Average Speed:	37.6 MPH	Posted Speed Limit:	35 MPH
50th Percentile:	39.0 MPH	10 MPH Pace:	35 to 44 MPH	Number of Vehicles > 35 MPH:	2730
85th Percentile:	44.0 MPH	Number in Pace:	2442	Percent of Vehicles > 35 MPH:	73.3%
95th Percentile:	47.0 MPH	Percent in Pace:	65.5%		

GROWTH RATE DATA



Massachusetts Highway Department
Statewide Traffic Data Collection
2019 Weekday Seasonal Factors

Factor Group	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Axle Factor
R1	1.22	1.14	1.12	1.06	1.00	0.96	0.87	0.85	0.96	0.99	1.04	1.12	0.85
R2	0.95	0.96	0.98	0.97	0.97	0.93	0.97	0.94	0.96	0.90	0.92	0.93	0.96
R3	1.15	1.06	1.07	1.00	0.89	0.88	0.89	0.89	0.95	0.92	1.02	1.01	0.97
R4-R7	1.09	1.09	1.11	1.02	0.96	0.92	0.89	0.89	0.99	0.98	1.09	1.13	0.98
U1-Boston	1.03	1.01	0.98	0.94	0.94	0.92	0.95	0.93	0.94	0.94	0.97	1.04	0.96
U1-Essex	1.09	1.06	1.03	0.99	0.94	0.90	0.88	0.86	0.93	0.94	0.99	1.06	0.93
U1-Southeast	1.06	1.05	1.01	0.97	0.95	0.93	0.93	0.90	0.94	0.94	0.98	1.04	0.98
U1-West	1.19	1.14	1.09	0.95	0.92	0.89	0.89	0.86	0.91	0.95	0.97	1.07	0.84
U1-Worcester	1.02	1.04	0.97	0.94	0.93	0.91	0.95	0.91	0.93	0.92	0.95	1.10	0.88
U2	1.01	1.00	0.94	0.93	0.91	0.89	0.93	0.90	0.90	0.91	0.94	1.02	0.99
U3	1.06	1.03	0.98	0.94	0.93	0.91	0.95	0.91	0.92	0.93	0.97	1.00	0.98
U4-U7	1.01	1.00	0.95	0.92	0.88	0.86	0.92	0.91	0.92	0.94	0.99	1.04	0.99
Rec - East	1.04	1.16	1.12	0.98	0.92	0.88	0.77	0.81	0.94	1.02	1.08	1.12	0.99
Rec - West	1.30	1.23	1.32	1.18	0.95	0.82	0.70	0.69	0.97	0.96	1.16	1.15	0.98

Round off:

0-999 = 10
>1000 = 100

U = Urban
R = Rural

- 1 - Interstate
- 2 - Freeway and Expressway
- 3 - Other Principal Arterial
- 4 - Minor Arterial
- 5 - Major Collector
- 6 - Minor Collector
- 7 - Local Road and Street

Recreational - East Group - Cape Cod (all towns) including the town of Plymouth south of Route 3A (stations 7014,7079,7080,7090,7091,7092,7093,7094,7095,7096,7097,7108 and 7178), Martha's Vineyard and Nantucket.
Recreational - West Group - Continuous Stations 2 and 189 including stations 1066,1067,1083,1084,1085,1086,1087,1088,1089,1090,1091,1092,1093,1094,1095,1096,1097,1098,1099,1100,1101,1102,1103,1104,1105,1106,1107,1108,1113,1114,1116,2196,2197 and 2198.

TRIP GENERATION DATA



Based on Similar Sites

Average Vehicle Trips Ends vs: Vehicle Fueling Positions
Independent Variable (X): 5

AVERAGE WEEKDAY DAILY

$$T = 34.9 (X)$$

$$T = 34.9 * 5$$

$$T = 174.50$$

$$T = 176 \text{ vehicle trips}$$

with 50% (88 vpd) entering and 50% (88 vpd) exiting.

WEEKDAY MORNING PEAK HOUR OF ADJACENT STREET TRAFFIC

$$T = 4.5 (X)$$

$$T = 4.5 * 5$$

$$T = 22.50$$

$$T = 23$$

$$T = 23 \text{ vehicle trips}$$

with 51% (12 vph) entering and 49% (11 vph) exiting.

WEEKDAY EVENING PEAK HOUR OF ADJACENT STREET TRAFFIC

$$T = 2.4 (X)$$

$$T = 2.4 * 5$$

$$T = 12.00$$

$$T = 12$$

$$T = 12 \text{ vehicle trips}$$

with 50% (6 vph) entering and 50% (6 vph) exiting.

SATURDAY DAILY

$$T = 24.7 * (X)$$

$$T = 24.7 * 5$$

$$T = 123.50$$

$$T = 124 \text{ vehicle trips}$$

with 50% (62 vpd) entering and 50% (62 vpd) exiting.

SATURDAY MIDDAY PEAK HOUR OF GENERATOR

$$T = 2 * (X)$$

$$T = 2 * 5$$

$$T = 10.00$$

$$T = 10$$

$$T = 10 \text{ vehicle trips}$$

with 50% (5 vph) entering and 50% (5 vph) exiting.

CAPACITY ANALYSIS

2023 Existing Weekday Morning Peak Hour
2023 Existing Weekday Evening Peak Hour
2023 Existing Saturday Midday Peak Hour
2030 No-Build Weekday Morning Peak Hour
2030 No-Build Weekday Evening Peak Hour
2030 No-Build Saturday Midday Peak Hour
2030 Build Weekday Morning Peak Hour
2030 Build Weekday Evening Peak Hour
2030 Build Saturday Midday Peak Hour



2023 Existing Weekday Morning Peak Hour



2023 Existing Weekday Morning
1: Route 110 & I-495 Southbound Ramps

06/01/2023

Intersection						
Int Delay, s/veh	3.3					
Movement	EBL	EBR	NEL	NET	SWT	SWR
Lane Configurations						
Traffic Vol, veh/h	27	178	110	489	302	495
Future Vol, veh/h	27	178	110	489	302	495
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	Yield	-	None	-	Yield
Storage Length	0	170	-	-	-	170
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	62	62	86	86	78	78
Heavy Vehicles, %	4	1	2	6	3	1
Mvmt Flow	44	287	128	569	387	635
Major/Minor	Minor2	Major1		Major2		
Conflicting Flow All	1212	387	387	0	-	0
Stage 1	387	-	-	-	-	-
Stage 2	825	-	-	-	-	-
Critical Hdwy	6.44	6.21	4.12	-	-	-
Critical Hdwy Stg 1	5.44	-	-	-	-	-
Critical Hdwy Stg 2	5.44	-	-	-	-	-
Follow-up Hdwy	3.536	3.309	2.218	-	-	-
Pot Cap-1 Maneuver	199	663	1171	-	-	-
Stage 1	682	-	-	-	-	-
Stage 2	427	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	167	663	1171	-	-	-
Mov Cap-2 Maneuver	167	-	-	-	-	-
Stage 1	573	-	-	-	-	-
Stage 2	427	-	-	-	-	-
Approach	EB	NE		SW		
HCM Control Delay, s	17.1	1.6		0		
HCM LOS	C					
Minor Lane/Major Mvmt	NEL	NET	EBLn1	EBLn2	SWT	SWR
Capacity (veh/h)	1171	-	167	663	-	-
HCM Lane V/C Ratio	0.109	-	0.261	0.433	-	-
HCM Control Delay (s)	8.5	0	34	14.5	-	-
HCM Lane LOS	A	A	D	B	-	-
HCM 95th %tile Q(veh)	0.4	-	1	2.2	-	-

Intersection

Int Delay, s/veh 5

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations		↕			↕	↕		↕	↕		↕	
Traffic Vol, veh/h	0	0	0	77	0	269	0	330	204	57	423	0
Future Vol, veh/h	0	0	0	77	0	269	0	330	204	57	423	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	Yield	-	-	Yield	-	-	None
Storage Length	-	-	-	-	-	300	-	-	240	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	25	25	25	94	94	94	93	93	93	75	75	75
Heavy Vehicles, %	0	0	0	5	0	7	0	4	3	4	2	0
Mvmt Flow	0	0	0	82	0	286	0	355	219	76	564	0

Major/Minor	Minor2		Minor1		Major1		Major2					
Conflicting Flow All	1071	1071	564	1071	1071	355	564	0	0	355	0	0
Stage 1	716	716	-	355	355	-	-	-	-	-	-	-
Stage 2	355	355	-	716	716	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.5	6.2	7.15	6.5	6.27	4.1	-	-	4.14	-	-
Critical Hdwy Stg 1	6.1	5.5	-	6.15	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.5	-	6.15	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4	3.3	3.545	4	3.363	2.2	-	-	2.236	-	-
Pot Cap-1 Maneuver	200	223	529	196	223	678	1018	-	-	1193	-	-
Stage 1	424	437	-	656	633	-	-	-	-	-	-	-
Stage 2	666	633	-	417	437	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	107	202	529	182	202	678	1018	-	-	1193	-	-
Mov Cap-2 Maneuver	107	202	-	182	202	-	-	-	-	-	-	-
Stage 1	424	396	-	656	633	-	-	-	-	-	-	-
Stage 2	385	633	-	378	396	-	-	-	-	-	-	-

Approach	EB	WB	NE	SW
HCM Control Delay, s	0	19.9	0	1
HCM LOS	A	C		

Minor Lane/Major Mvmt	NEL	NET	NER	EBLn1	WBLn1	WBLn2	SWL	SWT	SWR
Capacity (veh/h)	1018	-	-	-	182	678	1193	-	-
HCM Lane V/C Ratio	-	-	-	-	0.45	0.422	0.064	-	-
HCM Control Delay (s)	0	-	-	0	40	14.1	8.2	0	-
HCM Lane LOS	A	-	-	A	E	B	A	A	-
HCM 95th %tile Q(veh)	0	-	-	-	2.1	2.1	0.2	-	-

2023 Existing Weekday Morning
3: Route 110 & Elliott Street

06/01/2023

Intersection						
Int Delay, s/veh	3.9					
Movement	WBL	WBR	NET	NER	SWL	SWT
Lane Configurations						
Traffic Vol, veh/h	8	147	387	7	171	329
Future Vol, veh/h	8	147	387	7	171	329
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	81	81	96	96	92	92
Heavy Vehicles, %	13	3	3	14	4	4
Mvmt Flow	10	181	403	7	186	358

Major/Minor	Minor1	Major1	Major2		
Conflicting Flow All	1137	407	0	0	410
Stage 1	407	-	-	-	-
Stage 2	730	-	-	-	-
Critical Hdwy	6.53	6.23	-	-	4.14
Critical Hdwy Stg 1	5.53	-	-	-	-
Critical Hdwy Stg 2	5.53	-	-	-	-
Follow-up Hdwy	3.617	3.327	-	-	2.236
Pot Cap-1 Maneuver	212	642	-	-	1138
Stage 1	649	-	-	-	-
Stage 2	458	-	-	-	-
Platoon blocked, %			-	-	-
Mov Cap-1 Maneuver	169	642	-	-	1138
Mov Cap-2 Maneuver	169	-	-	-	-
Stage 1	649	-	-	-	-
Stage 2	365	-	-	-	-

Approach	WB	NE	SW
HCM Control Delay, s	14.7	0	3
HCM LOS	B		

Minor Lane/Major Mvmt	NET	NERWBLn1	SWL	SWT
Capacity (veh/h)	-	-	561	1138
HCM Lane V/C Ratio	-	-	0.341	0.163
HCM Control Delay (s)	-	-	14.7	8.8
HCM Lane LOS	-	-	B	A
HCM 95th %tile Q(veh)	-	-	1.5	0.6

2023 Existing Weekday Evening Peak Hour



2023 Existing Weekday Evening
1: Route 110 & I-495 Southbound Ramps

06/01/2023

Intersection

Int Delay, s/veh 4.9

Movement	EBL	EBR	NEL	NET	SWT	SWR
Lane Configurations						
Traffic Vol, veh/h	63	221	156	637	249	338
Future Vol, veh/h	63	221	156	637	249	338
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	Yield	-	None	-	Yield
Storage Length	0	170	-	-	-	170
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	85	85	91	91	81	81
Heavy Vehicles, %	0	3	0	2	1	1
Mvmt Flow	74	260	171	700	307	417

Major/Minor	Minor2	Major1	Major2
Conflicting Flow All	1349	307	307
Stage 1	307	-	-
Stage 2	1042	-	-
Critical Hdwy	6.4	6.23	4.1
Critical Hdwy Stg 1	5.4	-	-
Critical Hdwy Stg 2	5.4	-	-
Follow-up Hdwy	3.5	3.327	2.2
Pot Cap-1 Maneuver	168	731	1265
Stage 1	751	-	-
Stage 2	343	-	-
Platoon blocked, %			
Mov Cap-1 Maneuver	131	731	1265
Mov Cap-2 Maneuver	131	-	-
Stage 1	585	-	-
Stage 2	343	-	-

Approach	EB	NE	SW
HCM Control Delay, s	23.9	1.6	0
HCM LOS	C		

Minor Lane/Major Mvmt	NEL	NET	EBLn1	EBLn2	SWT	SWR
Capacity (veh/h)	1265	-	131	731	-	-
HCM Lane V/C Ratio	0.136	-	0.566	0.356	-	-
HCM Control Delay (s)	8.3	0	63.4	12.6	-	-
HCM Lane LOS	A	A	F	B	-	-
HCM 95th %tile Q(veh)	0.5	-	2.8	1.6	-	-

2023 Existing Weekday Evening

2: Route 110 & Wannalancet Road/I-495 Northbound Ramps

06/01/2023

Intersection												
Int Delay, s/veh	12.7											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations		↕			↕	↕		↕	↕		↕	
Traffic Vol, veh/h	0	0	0	140	0	426	0	367	190	36	434	0
Future Vol, veh/h	0	0	0	140	0	426	0	367	190	36	434	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	Yield	-	-	Yield	-	-	None
Storage Length	-	-	-	-	-	300	-	-	240	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	25	25	25	86	86	86	89	89	89	89	89	89
Heavy Vehicles, %	0	0	0	1	0	3	0	1	1	0	3	0
Mvmt Flow	0	0	0	163	0	495	0	412	213	40	488	0

Major/Minor	Minor2		Minor1		Major1		Major2					
Conflicting Flow All	980	980	488	980	980	412	488	0	0	412	0	0
Stage 1	568	568	-	412	412	-	-	-	-	-	-	-
Stage 2	412	412	-	568	568	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.5	6.2	7.11	6.5	6.23	4.1	-	-	4.1	-	-
Critical Hdwy Stg 1	6.1	5.5	-	6.11	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.5	-	6.11	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4	3.3	3.509	4	3.327	2.2	-	-	2.2	-	-
Pot Cap-1 Maneuver	231	252	584	230	252	638	1086	-	-	1158	-	-
Stage 1	511	510	-	619	598	-	-	-	-	-	-	-
Stage 2	621	598	-	509	510	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	50	240	584	222	240	638	1086	-	-	1158	-	-
Mov Cap-2 Maneuver	50	240	-	222	240	-	-	-	-	-	-	-
Stage 1	511	486	-	619	598	-	-	-	-	-	-	-
Stage 2	139	598	-	485	486	-	-	-	-	-	-	-

Approach	EB	WB	NE	SW
HCM Control Delay, s	0	34.4	0	0.6
HCM LOS	A	D		

Minor Lane/Major Mvmt	NEL	NET	NER	EBLn1	WBLn1	WBLn2	SWL	SWT	SWR
Capacity (veh/h)	1086	-	-	-	222	638	1158	-	-
HCM Lane V/C Ratio	-	-	-	-	0.733	0.776	0.035	-	-
HCM Control Delay (s)	0	-	-	0	55.8	27.4	8.2	0	-
HCM Lane LOS	A	-	-	A	F	D	A	A	-
HCM 95th %tile Q(veh)	0	-	-	-	4.9	7.4	0.1	-	-

2023 Existing Weekday Evening
3: Route 110 & Elliott Street

06/01/2023

Intersection						
Int Delay, s/veh	3.5					
Movement	WBL	WBR	NET	NER	SWL	SWT
Lane Configurations	W	R	T	R	L	R
Traffic Vol, veh/h	9	172	385	12	141	433
Future Vol, veh/h	9	172	385	12	141	433
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	90	90	83	83	93	93
Heavy Vehicles, %	0	1	1	8	1	2
Mvmt Flow	10	191	464	14	152	466

Major/Minor	Minor1	Major1	Major2
Conflicting Flow All	1241	471	0
Stage 1	471	-	-
Stage 2	770	-	-
Critical Hdwy	6.4	6.21	4.11
Critical Hdwy Stg 1	5.4	-	-
Critical Hdwy Stg 2	5.4	-	-
Follow-up Hdwy	3.5	3.309	2.209
Pot Cap-1 Maneuver	195	595	1090
Stage 1	632	-	-
Stage 2	460	-	-
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	158	595	1090
Mov Cap-2 Maneuver	158	-	-
Stage 1	632	-	-
Stage 2	374	-	-

Approach	WB	NE	SW
HCM Control Delay, s	16.1	0	2.2
HCM LOS	C		

Minor Lane/Major Mvmt	NET	NERWBLn1	SWL	SWT
Capacity (veh/h)	-	-	523	1090
HCM Lane V/C Ratio	-	-	0.385	0.139
HCM Control Delay (s)	-	-	16.1	8.8
HCM Lane LOS	-	-	C	A
HCM 95th %tile Q(veh)	-	-	1.8	0.5

2023 Existing Saturday Midday Peak Hour



2023 Existing Saturday MIDDAY
1: Route 110 & I-495 Southbound Ramps

06/01/2023

Intersection						
Int Delay, s/veh	2.3					
Movement	EBL	EBR	NEL	NET	SWT	SWR
Lane Configurations						
Traffic Vol, veh/h	36	124	86	407	172	251
Future Vol, veh/h	36	124	86	407	172	251
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	Yield	-	None	-	Yield
Storage Length	0	170	-	-	-	170
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	98	98	86	86	91	91
Heavy Vehicles, %	0	4	1	1	1	1
Mvmt Flow	37	127	100	473	189	276
Major/Minor	Minor2	Major1		Major2		
Conflicting Flow All	862	189	189	0	-	0
Stage 1	189	-	-	-	-	-
Stage 2	673	-	-	-	-	-
Critical Hdwy	6.4	6.24	4.11	-	-	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.336	2.209	-	-	-
Pot Cap-1 Maneuver	328	848	1391	-	-	-
Stage 1	848	-	-	-	-	-
Stage 2	511	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	296	848	1391	-	-	-
Mov Cap-2 Maneuver	296	-	-	-	-	-
Stage 1	765	-	-	-	-	-
Stage 2	511	-	-	-	-	-
Approach	EB	NE		SW		
HCM Control Delay, s	12	1.4		0		
HCM LOS	B					
Minor Lane/Major Mvmt	NEL	NET	EBLn1	EBLn2	SWT	SWR
Capacity (veh/h)	1391	-	296	848	-	-
HCM Lane V/C Ratio	0.072	-	0.124	0.149	-	-
HCM Control Delay (s)	7.8	0	18.9	10	-	-
HCM Lane LOS	A	A	C	B	-	-
HCM 95th %tile Q(veh)	0.2	-	0.4	0.5	-	-

Intersection												
Int Delay, s/veh	5.5											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations		↕			↕	↕		↕	↕		↕	
Traffic Vol, veh/h	0	0	0	70	0	260	0	233	133	30	266	0
Future Vol, veh/h	0	0	0	70	0	260	0	233	133	30	266	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	Yield	-	-	Yield	-	-	None
Storage Length	-	-	-	-	-	300	-	-	240	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	25	25	25	74	74	74	94	94	94	82	82	82
Heavy Vehicles, %	0	0	0	3	0	2	0	1	1	0	4	0
Mvmt Flow	0	0	0	95	0	351	0	248	141	37	324	0

Major/Minor	Minor2		Minor1		Major1		Major2					
Conflicting Flow All	646	646	324	646	646	248	324	0	0	248	0	0
Stage 1	398	398	-	248	248	-	-	-	-	-	-	-
Stage 2	248	248	-	398	398	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.5	6.2	7.13	6.5	6.22	4.1	-	-	4.1	-	-
Critical Hdwy Stg 1	6.1	5.5	-	6.13	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.5	-	6.13	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4	3.3	3.527	4	3.318	2.2	-	-	2.2	-	-
Pot Cap-1 Maneuver	387	393	722	383	393	791	1247	-	-	1330	-	-
Stage 1	632	606	-	754	705	-	-	-	-	-	-	-
Stage 2	760	705	-	626	606	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	209	380	722	373	380	791	1247	-	-	1330	-	-
Mov Cap-2 Maneuver	209	380	-	373	380	-	-	-	-	-	-	-
Stage 1	632	585	-	754	705	-	-	-	-	-	-	-
Stage 2	422	705	-	605	585	-	-	-	-	-	-	-

Approach	EB	WB	NE	SW
HCM Control Delay, s	0	14.1	0	0.8
HCM LOS	A	B		

Minor Lane/Major Mvmt	NEL	NET	NER	EBLn1	WBLn1	WBLn2	SWL	SWT	SWR
Capacity (veh/h)	1247	-	-	-	373	791	1330	-	-
HCM Lane V/C Ratio	-	-	-	-	0.254	0.444	0.028	-	-
HCM Control Delay (s)	0	-	-	0	17.9	13.1	7.8	0	-
HCM Lane LOS	A	-	-	A	C	B	A	A	-
HCM 95th %tile Q(veh)	0	-	-	-	1	2.3	0.1	-	-

2023 Existing Saturday Midday
3: Route 110 & Elliott Street

06/01/2023

Intersection						
Int Delay, s/veh	2.6					
Movement	WBL	WBR	NET	NER	SWL	SWT
Lane Configurations	W	R	T	R	L	T
Traffic Vol, veh/h	7	83	283	10	88	248
Future Vol, veh/h	7	83	283	10	88	248
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	78	78	95	95	86	86
Heavy Vehicles, %	0	0	2	10	2	3
Mvmt Flow	9	106	298	11	102	288

Major/Minor	Minor1	Major1	Major2
Conflicting Flow All	796	304	0
Stage 1	304	-	-
Stage 2	492	-	-
Critical Hdwy	6.4	6.2	-
Critical Hdwy Stg 1	5.4	-	-
Critical Hdwy Stg 2	5.4	-	-
Follow-up Hdwy	3.5	3.3	-
Pot Cap-1 Maneuver	359	740	-
Stage 1	753	-	-
Stage 2	619	-	-
Platoon blocked, %		-	-
Mov Cap-1 Maneuver	324	740	-
Mov Cap-2 Maneuver	324	-	-
Stage 1	753	-	-
Stage 2	559	-	-

Approach	WB	NE	SW
HCM Control Delay, s	11.5	0	2.1
HCM LOS	B		

Minor Lane/Major Mvmt	NET	NERWBLn1	SWL	SWT
Capacity (veh/h)	-	-	673	1252
HCM Lane V/C Ratio	-	-	0.171	0.082
HCM Control Delay (s)	-	-	11.5	8.1
HCM Lane LOS	-	-	B	A
HCM 95th %tile Q(veh)	-	-	0.6	0.3

2030 No-Build Weekday Morning Peak Hour



2030 No-Build Weekday Morning
1: Route 110 & I-495 Southbound Ramps

06/01/2023

Intersection						
Int Delay, s/veh	3.6					
Movement	EBL	EBR	NEL	NET	SWT	SWR
Lane Configurations						
Traffic Vol, veh/h	29	191	118	524	324	531
Future Vol, veh/h	29	191	118	524	324	531
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	Yield	-	None	-	Yield
Storage Length	0	170	-	-	-	170
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	62	62	86	86	78	78
Heavy Vehicles, %	4	1	2	6	3	1
Mvmt Flow	47	308	137	609	415	681

Major/Minor	Minor2	Major1	Major2			
Conflicting Flow All	1298	415	415	0	-	0
Stage 1	415	-	-	-	-	-
Stage 2	883	-	-	-	-	-
Critical Hdwy	6.44	6.21	4.12	-	-	-
Critical Hdwy Stg 1	5.44	-	-	-	-	-
Critical Hdwy Stg 2	5.44	-	-	-	-	-
Follow-up Hdwy	3.536	3.309	2.218	-	-	-
Pot Cap-1 Maneuver	177	640	1144	-	-	-
Stage 1	662	-	-	-	-	-
Stage 2	401	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	145	640	1144	-	-	-
Mov Cap-2 Maneuver	145	-	-	-	-	-
Stage 1	542	-	-	-	-	-
Stage 2	401	-	-	-	-	-

Approach	EB	NE	SW
HCM Control Delay, s	19.1	1.6	0
HCM LOS	C		

Minor Lane/Major Mvmt	NEL	NET	EBLn1	EBLn2	SWT	SWR
Capacity (veh/h)	1144	-	145	640	-	-
HCM Lane V/C Ratio	0.12	-	0.323	0.481	-	-
HCM Control Delay (s)	8.6	0	41.2	15.7	-	-
HCM Lane LOS	A	A	E	C	-	-
HCM 95th %tile Q(veh)	0.4	-	1.3	2.6	-	-

Intersection												
Int Delay, s/veh	5.9											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations		↕			↕	↕		↕	↕		↕	
Traffic Vol, veh/h	0	0	0	83	0	288	0	354	219	61	454	0
Future Vol, veh/h	0	0	0	83	0	288	0	354	219	61	454	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	Yield	-	-	Yield	-	-	None
Storage Length	-	-	-	-	-	300	-	-	240	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	25	25	25	94	94	94	93	93	93	75	75	75
Heavy Vehicles, %	0	0	0	5	0	7	0	4	3	4	2	0
Mvmt Flow	0	0	0	88	0	306	0	381	235	81	605	0

Major/Minor	Minor2		Minor1		Major1		Major2					
Conflicting Flow All	1148	1148	605	1148	1148	381	605	0	0	381	0	0
Stage 1	767	767	-	381	381	-	-	-	-	-	-	-
Stage 2	381	381	-	767	767	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.5	6.2	7.15	6.5	6.27	4.1	-	-	4.14	-	-
Critical Hdwy Stg 1	6.1	5.5	-	6.15	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.5	-	6.15	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4	3.3	3.545	4	3.363	2.2	-	-	2.236	-	-
Pot Cap-1 Maneuver	177	200	501	173	200	655	983	-	-	1167	-	-
Stage 1	398	414	-	635	617	-	-	-	-	-	-	-
Stage 2	645	617	-	390	414	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	87	179	501	159	179	655	983	-	-	1167	-	-
Mov Cap-2 Maneuver	87	179	-	159	179	-	-	-	-	-	-	-
Stage 1	398	371	-	635	617	-	-	-	-	-	-	-
Stage 2	343	617	-	349	371	-	-	-	-	-	-	-

Approach	EB	WB	NE	SW
HCM Control Delay, s	0	23.6	0	1
HCM LOS	A	C		

Minor Lane/Major Mvmt	NEL	NET	NER	EBLn1WBLn1WBLn2	SWL	SWT	SWR
Capacity (veh/h)	983	-	-	159	655	1167	-
HCM Lane V/C Ratio	-	-	-	0.555	0.468	0.07	-
HCM Control Delay (s)	0	-	-	52.8	15.2	8.3	0
HCM Lane LOS	A	-	-	A	F	C	A
HCM 95th %tile Q(veh)	0	-	-	2.8	2.5	0.2	-

2030 No-Build Weekday Morning
3: Route 110 & Elliott Street

06/01/2023

Intersection						
Int Delay, s/veh	4.2					
Movement	WBL	WBR	NET	NER	SWL	SWT
Lane Configurations	W	W	T	T	T	T
Traffic Vol, veh/h	9	158	415	8	183	354
Future Vol, veh/h	9	158	415	8	183	354
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	81	81	96	96	92	92
Heavy Vehicles, %	13	3	3	14	4	4
Mvmt Flow	11	195	432	8	199	385

Major/Minor	Minor1	Major1	Major2
Conflicting Flow All	1219	436	0
Stage 1	436	-	-
Stage 2	783	-	-
Critical Hdwy	6.53	6.23	-
Critical Hdwy Stg 1	5.53	-	-
Critical Hdwy Stg 2	5.53	-	-
Follow-up Hdwy	3.617	3.327	-
Pot Cap-1 Maneuver	189	618	-
Stage 1	629	-	-
Stage 2	432	-	-
Platoon blocked, %		-	-
Mov Cap-1 Maneuver	146	618	-
Mov Cap-2 Maneuver	146	-	-
Stage 1	629	-	-
Stage 2	334	-	-

Approach	WB	NE	SW
HCM Control Delay, s	16.2	0	3.1
HCM LOS	C		

Minor Lane/Major Mvmt	NET	NERWBLn1	SWL	SWT
Capacity (veh/h)	-	-	526	1109
HCM Lane V/C Ratio	-	-	0.392	0.179
HCM Control Delay (s)	-	-	16.2	9
HCM Lane LOS	-	-	C	A
HCM 95th %tile Q(veh)	-	-	1.8	0.7

2030 No-Build Weekday Evening Peak Hour



2030 No-Build Weekday Evening
1: Route 110 & I-495 Southbound Ramps

06/01/2023

Intersection

Int Delay, s/veh 6.4

Movement EBL EBR NEL NET SWT SWR

Lane Configurations						
Traffic Vol, veh/h	68	237	167	683	267	362
Future Vol, veh/h	68	237	167	683	267	362
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	Yield	-	None	-	Yield
Storage Length	0	170	-	-	-	170
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	85	85	91	91	81	81
Heavy Vehicles, %	0	3	0	2	1	1
Mvmt Flow	80	279	184	751	330	447

Major/Minor Minor2 Major1 Major2

Conflicting Flow All	1449	330	330	0	-	0
Stage 1	330	-	-	-	-	-
Stage 2	1119	-	-	-	-	-
Critical Hdwy	6.4	6.23	4.1	-	-	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.327	2.2	-	-	-
Pot Cap-1 Maneuver	146	709	1241	-	-	-
Stage 1	733	-	-	-	-	-
Stage 2	315	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	109	709	1241	-	-	-
Mov Cap-2 Maneuver	109	-	-	-	-	-
Stage 1	547	-	-	-	-	-
Stage 2	315	-	-	-	-	-

Approach EB NE SW

HCM Control Delay, s	32.3	1.7	0
HCM LOS	D		

Minor Lane/Major Mvmt NEL NET EBLn1 EBLn2 SWT SWR

Capacity (veh/h)	1241	-	109	709	-	-
HCM Lane V/C Ratio	0.148	-	0.734	0.393	-	-
HCM Control Delay (s)	8.4	0	98.5	13.3	-	-
HCM Lane LOS	A	A	F	B	-	-
HCM 95th %tile Q(veh)	0.5	-	4	1.9	-	-

2030 No-Build Weekday Evening
2: Route 110 & Wannalancet Road/I-495 Northbound Ramps

06/01/2023

Intersection

Int Delay, s/veh 18.3

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations		↕			↕	↕		↕	↕		↕	
Traffic Vol, veh/h	0	0	0	150	0	457	0	393	204	39	465	0
Future Vol, veh/h	0	0	0	150	0	457	0	393	204	39	465	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	Yield	-	-	Yield	-	-	None
Storage Length	-	-	-	-	-	300	-	-	240	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	25	25	25	86	86	86	89	89	89	89	89	89
Heavy Vehicles, %	0	0	0	1	0	3	0	1	1	0	3	0
Mvmt Flow	0	0	0	174	0	531	0	442	229	44	522	0

Major/Minor	Minor2		Minor1		Major1		Major2					
Conflicting Flow All	1052	1052	522	1052	1052	442	522	0	0	442	0	0
Stage 1	610	610	-	442	442	-	-	-	-	-	-	-
Stage 2	442	442	-	610	610	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.5	6.2	7.11	6.5	6.23	4.1	-	-	4.1	-	-
Critical Hdwy Stg 1	6.1	5.5	-	6.11	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.5	-	6.11	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4	3.3	3.509	4	3.327	2.2	-	-	2.2	-	-
Pot Cap-1 Maneuver	206	228	559	205	228	613	1055	-	-	1129	-	-
Stage 1	485	488	-	596	580	-	-	-	-	-	-	-
Stage 2	598	580	-	483	488	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	26	215	559	196	215	613	1055	-	-	1129	-	-
Mov Cap-2 Maneuver	26	215	-	196	215	-	-	-	-	-	-	-
Stage 1	485	461	-	596	580	-	-	-	-	-	-	-
Stage 2	80	580	-	456	461	-	-	-	-	-	-	-

Approach	EB	WB	NE	SW
HCM Control Delay, s	0	49.9	0	0.6
HCM LOS	A	E		

Minor Lane/Major Mvmt	NEL	NET	NER	EBLn1	WBLn1	WBLn2	SWL	SWT	SWR
Capacity (veh/h)	1055	-	-	-	196	613	1129	-	-
HCM Lane V/C Ratio	-	-	-	-	0.89	0.867	0.039	-	-
HCM Control Delay (s)	0	-	-	0	87.9	37.4	8.3	0	-
HCM Lane LOS	A	-	-	A	F	E	A	A	-
HCM 95th %tile Q(veh)	0	-	-	-	6.8	9.9	0.1	-	-

2030 No-Build Weekday Evening
3: Route 110 & Elliott Street

06/01/2023

Intersection

Int Delay, s/veh 3.9

Movement	WBL	WBR	NET	NER	SWL	SWT
Lane Configurations						
Traffic Vol, veh/h	10	184	413	13	151	464
Future Vol, veh/h	10	184	413	13	151	464
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	90	90	83	83	93	93
Heavy Vehicles, %	0	1	1	8	1	2
Mvmt Flow	11	204	498	16	162	499

Major/Minor	Minor1	Major1	Major2
Conflicting Flow All	1329	506	0
Stage 1	506	-	-
Stage 2	823	-	-
Critical Hdwy	6.4	6.21	-
Critical Hdwy Stg 1	5.4	-	-
Critical Hdwy Stg 2	5.4	-	-
Follow-up Hdwy	3.5	3.309	-
Pot Cap-1 Maneuver	173	568	-
Stage 1	610	-	-
Stage 2	435	-	-
Platoon blocked, %		-	-
Mov Cap-1 Maneuver	136	568	-
Mov Cap-2 Maneuver	136	-	-
Stage 1	610	-	-
Stage 2	343	-	-

Approach	WB	NE	SW
HCM Control Delay, s	18.1	0	2.2
HCM LOS	C		

Minor Lane/Major Mvmt	NET	NERWBLn1	SWL	SWT
Capacity (veh/h)	-	-	488	1057
HCM Lane V/C Ratio	-	-	0.442	0.154
HCM Control Delay (s)	-	-	18.1	9
HCM Lane LOS	-	-	C	A
HCM 95th %tile Q(veh)	-	-	2.2	0.5

2030 No-Build Saturday Midday Peak Hour



2030 No-Build Saturday Midday
1: Route 110 & I-495 Southbound Ramps

06/01/2023

Intersection

Int Delay, s/veh 2.4

Movement	EBL	EBR	NEL	NET	SWT	SWR
Lane Configurations						
Traffic Vol, veh/h	39	133	92	437	184	269
Future Vol, veh/h	39	133	92	437	184	269
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	Yield	-	None	-	Yield
Storage Length	0	170	-	-	-	170
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	98	98	86	86	91	91
Heavy Vehicles, %	0	4	1	1	1	1
Mvmt Flow	40	136	107	508	202	296

Major/Minor	Minor2	Major1	Major2
Conflicting Flow All	924	202	202
Stage 1	202	-	-
Stage 2	722	-	-
Critical Hdwy	6.4	6.24	4.11
Critical Hdwy Stg 1	5.4	-	-
Critical Hdwy Stg 2	5.4	-	-
Follow-up Hdwy	3.5	3.336	2.209
Pot Cap-1 Maneuver	302	834	1376
Stage 1	837	-	-
Stage 2	485	-	-
Platoon blocked, %			
Mov Cap-1 Maneuver	269	834	1376
Mov Cap-2 Maneuver	269	-	-
Stage 1	747	-	-
Stage 2	485	-	-

Approach	EB	NE	SW
HCM Control Delay, s	12.6	1.4	0
HCM LOS	B		

Minor Lane/Major Mvmt	NEL	NET	EBLn1	EBLn2	SWT	SWR
Capacity (veh/h)	1376	-	269	834	-	-
HCM Lane V/C Ratio	0.078	-	0.148	0.163	-	-
HCM Control Delay (s)	7.8	0	20.7	10.2	-	-
HCM Lane LOS	A	A	C	B	-	-
HCM 95th %tile Q(veh)	0.3	-	0.5	0.6	-	-

Intersection

Int Delay, s/veh 5.9

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations		↕			↕	↕		↕	↕		↕	
Traffic Vol, veh/h	0	0	0	75	0	279	0	250	143	32	285	0
Future Vol, veh/h	0	0	0	75	0	279	0	250	143	32	285	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	Yield	-	-	Yield	-	-	None
Storage Length	-	-	-	-	-	300	-	-	240	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	25	25	25	74	74	74	94	94	94	82	82	82
Heavy Vehicles, %	0	0	0	3	0	2	0	1	1	0	4	0
Mvmt Flow	0	0	0	101	0	377	0	266	152	39	348	0

Major/Minor	Minor2		Minor1		Major1		Major2					
Conflicting Flow All	692	692	348	692	692	266	348	0	0	266	0	0
Stage 1	426	426	-	266	266	-	-	-	-	-	-	-
Stage 2	266	266	-	426	426	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.5	6.2	7.13	6.5	6.22	4.1	-	-	4.1	-	-
Critical Hdwy Stg 1	6.1	5.5	-	6.13	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.5	-	6.13	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4	3.3	3.527	4	3.318	2.2	-	-	2.2	-	-
Pot Cap-1 Maneuver	361	370	700	357	370	773	1222	-	-	1310	-	-
Stage 1	610	589	-	737	692	-	-	-	-	-	-	-
Stage 2	744	692	-	604	589	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	180	356	700	347	356	773	1222	-	-	1310	-	-
Mov Cap-2 Maneuver	180	356	-	347	356	-	-	-	-	-	-	-
Stage 1	610	567	-	737	692	-	-	-	-	-	-	-
Stage 2	381	692	-	582	567	-	-	-	-	-	-	-

Approach	EB	WB	NE	SW
HCM Control Delay, s	0	15.2	0	0.8
HCM LOS	A	C		

Minor Lane/Major Mvmt	NEL	NET	NER	EBLn1	WBLn1	WBLn2	SWL	SWT	SWR
Capacity (veh/h)	1222	-	-	-	347	773	1310	-	-
HCM Lane V/C Ratio	-	-	-	-	0.292	0.488	0.03	-	-
HCM Control Delay (s)	0	-	-	0	19.6	14	7.8	0	-
HCM Lane LOS	A	-	-	A	C	B	A	A	-
HCM 95th %tile Q(veh)	0	-	-	-	1.2	2.7	0.1	-	-

2030 No-Build Saturday Midday
3: Route 110 & Elliott Street

06/01/2023

Intersection						
Int Delay, s/veh	2.7					
Movement	WBL	WBR	NET	NER	SWL	SWT
Lane Configurations	W	R	T	R	L	T
Traffic Vol, veh/h	8	89	304	11	94	266
Future Vol, veh/h	8	89	304	11	94	266
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	78	78	95	95	86	86
Heavy Vehicles, %	0	0	2	10	2	3
Mvmt Flow	10	114	320	12	109	309

Major/Minor	Minor1	Major1	Major2			
Conflicting Flow All	853	326	0	0	332	0
Stage 1	326	-	-	-	-	-
Stage 2	527	-	-	-	-	-
Critical Hdwy	6.4	6.2	-	-	4.12	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.3	-	-	2.218	-
Pot Cap-1 Maneuver	332	720	-	-	1227	-
Stage 1	736	-	-	-	-	-
Stage 2	596	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	296	720	-	-	1227	-
Mov Cap-2 Maneuver	296	-	-	-	-	-
Stage 1	736	-	-	-	-	-
Stage 2	532	-	-	-	-	-

Approach	WB	NE	SW
HCM Control Delay, s	11.9	0	2.1
HCM LOS	B		

Minor Lane/Major Mvmt	NET	NERWBLn1	SWL	SWT
Capacity (veh/h)	-	-	644	1227
HCM Lane V/C Ratio	-	-	0.193	0.089
HCM Control Delay (s)	-	-	11.9	8.2
HCM Lane LOS	-	-	B	A
HCM 95th %tile Q(veh)	-	-	0.7	0.3

2030 Build Weekday Morning Peak Hour



2030 Build Weekday Morning
1: Route 110 & I-495 Southbound Ramps

06/01/2023

Intersection

Int Delay, s/veh 3.8

Movement	EBL	EBR	NEL	NET	SWT	SWR
Lane Configurations						
Traffic Vol, veh/h	29	196	123	525	325	531
Future Vol, veh/h	29	196	123	525	325	531
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	Yield	-	None	-	Yield
Storage Length	0	170	-	-	-	170
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	62	62	86	86	78	78
Heavy Vehicles, %	4	4	6	6	3	1
Mvmt Flow	47	316	143	610	417	681

Major/Minor	Minor2	Major1	Major2
Conflicting Flow All	1313	417	417
Stage 1	417	-	-
Stage 2	896	-	-
Critical Hdwy	6.44	6.24	4.16
Critical Hdwy Stg 1	5.44	-	-
Critical Hdwy Stg 2	5.44	-	-
Follow-up Hdwy	3.536	3.336	2.254
Pot Cap-1 Maneuver	173	632	1121
Stage 1	661	-	-
Stage 2	395	-	-
Platoon blocked, %			
Mov Cap-1 Maneuver	140	632	1121
Mov Cap-2 Maneuver	140	-	-
Stage 1	533	-	-
Stage 2	395	-	-

Approach	EB	NE	SW
HCM Control Delay, s	19.8	1.6	0
HCM LOS	C		

Minor Lane/Major Mvmt	NEL	NET	EBLn1	EBLn2	SWT	SWR
Capacity (veh/h)	1121	-	140	632	-	-
HCM Lane V/C Ratio	0.128	-	0.334	0.5	-	-
HCM Control Delay (s)	8.7	0	43.1	16.3	-	-
HCM Lane LOS	A	A	E	C	-	-
HCM 95th %tile Q(veh)	0.4	-	1.3	2.8	-	-

Intersection

Int Delay, s/veh 6.4

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations		↕			↕	↕		↕	↕		↕	
Traffic Vol, veh/h	0	0	0	88	0	288	0	360	223	61	460	0
Future Vol, veh/h	0	0	0	88	0	288	0	360	223	61	460	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	Yield	-	-	Yield	-	-	None
Storage Length	-	-	-	-	-	300	-	-	240	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	25	25	25	94	94	94	93	93	93	75	75	75
Heavy Vehicles, %	0	0	0	10	0	7	0	6	5	4	3	0
Mvmt Flow	0	0	0	94	0	306	0	387	240	81	613	0

Major/Minor	Minor2		Minor1		Major1		Major2					
Conflicting Flow All	1162	1162	613	1162	1162	387	613	0	0	387	0	0
Stage 1	775	775	-	387	387	-	-	-	-	-	-	-
Stage 2	387	387	-	775	775	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.5	6.2	7.2	6.5	6.27	4.1	-	-	4.14	-	-
Critical Hdwy Stg 1	6.1	5.5	-	6.2	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.5	-	6.2	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4	3.3	3.59	4	3.363	2.2	-	-	2.236	-	-
Pot Cap-1 Maneuver	174	197	496	166	197	650	976	-	-	1161	-	-
Stage 1	394	411	-	621	613	-	-	-	-	-	-	-
Stage 2	641	613	-	379	411	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	85	176	496	153	176	650	976	-	-	1161	-	-
Mov Cap-2 Maneuver	85	176	-	153	176	-	-	-	-	-	-	-
Stage 1	394	367	-	621	613	-	-	-	-	-	-	-
Stage 2	339	613	-	339	367	-	-	-	-	-	-	-

Approach	EB	WB	NE	SW
HCM Control Delay, s	0	25.8	0	1
HCM LOS	A	D		

Minor Lane/Major Mvmt	NEL	NET	NER	EBLn1WBLn1WBLn2	SWL	SWT	SWR
Capacity (veh/h)	976	-	-	-	153	650	1161
HCM Lane V/C Ratio	-	-	-	-	0.612	0.471	0.07
HCM Control Delay (s)	0	-	-	0	60	15.4	8.3
HCM Lane LOS	A	-	-	A	F	C	A
HCM 95th %tile Q(veh)	0	-	-	-	3.3	2.5	0.2

Intersection

Int Delay, s/veh 4.1

Movement	WBL	WBR	NET	NER	SWL	SWT
Lane Configurations						
Traffic Vol, veh/h	9	158	416	8	183	355
Future Vol, veh/h	9	158	416	8	183	355
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	81	81	96	96	92	92
Heavy Vehicles, %	13	3	3	14	4	4
Mvmt Flow	11	195	433	8	199	386

Major/Minor	Minor1	Major1	Major2
Conflicting Flow All	1221	437	0
Stage 1	437	-	-
Stage 2	784	-	-
Critical Hdwy	6.53	6.23	-
Critical Hdwy Stg 1	5.53	-	-
Critical Hdwy Stg 2	5.53	-	-
Follow-up Hdwy	3.617	3.327	-
Pot Cap-1 Maneuver	189	617	-
Stage 1	628	-	-
Stage 2	431	-	-
Platoon blocked, %		-	-
Mov Cap-1 Maneuver	146	617	-
Mov Cap-2 Maneuver	146	-	-
Stage 1	628	-	-
Stage 2	332	-	-

Approach	WB	NE	SW
HCM Control Delay, s	16.2	0	3
HCM LOS	C		

Minor Lane/Major Mvmt	NET	NERWBLn1	SWL	SWT
Capacity (veh/h)	-	-	526	1108
HCM Lane V/C Ratio	-	-	0.392	0.18
HCM Control Delay (s)	-	-	16.2	9
HCM Lane LOS	-	-	C	A
HCM 95th %tile Q(veh)	-	-	1.8	0.7

Intersection

Int Delay, s/veh 0.3

Movement

	EBL	EBR	NEL	NET	SWT	SWR
Lane Configurations						
Traffic Vol, veh/h	10	1	1	573	537	11
Future Vol, veh/h	10	1	1	573	537	11
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	96	96	92	92
Heavy Vehicles, %	100	100	100	3	4	100
Mvmt Flow	11	1	1	597	584	12

Major/Minor

	Minor2	Major1	Major2
Conflicting Flow All	1189	590	596
Stage 1	590	-	-
Stage 2	599	-	-
Critical Hdwy	7.4	7.2	5.1
Critical Hdwy Stg 1	6.4	-	-
Critical Hdwy Stg 2	6.4	-	-
Follow-up Hdwy	4.4	4.2	3.1
Pot Cap-1 Maneuver	135	364	638
Stage 1	402	-	-
Stage 2	398	-	-
Platoon blocked, %			
Mov Cap-1 Maneuver	135	364	638
Mov Cap-2 Maneuver	135	-	-
Stage 1	401	-	-
Stage 2	398	-	-

Approach

	EB	NE	SW
HCM Control Delay, s	32.5	0	0
HCM LOS	D		

Minor Lane/Major Mvmt

	NEL	NET EBLn1	SWT	SWR
Capacity (veh/h)	638	-	143	-
HCM Lane V/C Ratio	0.002	-	0.084	-
HCM Control Delay (s)	10.7	0	32.5	-
HCM Lane LOS	B	A	D	-
HCM 95th %tile Q(veh)	0	-	0.3	-

2030 Build Weekday Evening Peak Hour



2030 Build Weekday Evening
1: Route 110 & I-495 Southbound Ramps

06/01/2023

Intersection

Int Delay, s/veh 6.5

Movement	EBL	EBR	NEL	NET	SWT	SWR
Lane Configurations						
Traffic Vol, veh/h	68	240	170	683	267	362
Future Vol, veh/h	68	240	170	683	267	362
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	Yield	-	None	-	Yield
Storage Length	0	170	-	-	-	170
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	85	85	91	91	81	81
Heavy Vehicles, %	0	4	2	2	1	1
Mvmt Flow	80	282	187	751	330	447

Major/Minor	Minor2	Major1	Major2
Conflicting Flow All	1455	330	330
Stage 1	330	-	-
Stage 2	1125	-	-
Critical Hdwy	6.4	6.24	4.12
Critical Hdwy Stg 1	5.4	-	-
Critical Hdwy Stg 2	5.4	-	-
Follow-up Hdwy	3.5	3.336	2.218
Pot Cap-1 Maneuver	145	707	1229
Stage 1	733	-	-
Stage 2	313	-	-
Platoon blocked, %			
Mov Cap-1 Maneuver	107	707	1229
Mov Cap-2 Maneuver	107	-	-
Stage 1	542	-	-
Stage 2	313	-	-

Approach	EB	NE	SW
HCM Control Delay, s	33.1	1.7	0
HCM LOS	D		

Minor Lane/Major Mvmt	NEL	NET	EBLn1	EBLn2	SWT	SWR
Capacity (veh/h)	1229	-	107	707	-	-
HCM Lane V/C Ratio	0.152	-	0.748	0.399	-	-
HCM Control Delay (s)	8.5	0	102.5	13.4	-	-
HCM Lane LOS	A	A	F	B	-	-
HCM 95th %tile Q(veh)	0.5	-	4	1.9	-	-

Intersection

Int Delay, s/veh 19.1

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations		↕			↕	↕		↕	↕		↕	
Traffic Vol, veh/h	0	0	0	153	0	457	0	396	207	39	468	0
Future Vol, veh/h	0	0	0	153	0	457	0	396	207	39	468	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	Yield	-	-	Yield	-	-	None
Storage Length	-	-	-	-	-	300	-	-	240	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	25	25	25	86	86	86	89	89	89	89	89	89
Heavy Vehicles, %	0	0	0	3	0	3	0	2	2	0	4	0
Mvmt Flow	0	0	0	178	0	531	0	445	233	44	526	0

Major/Minor	Minor2		Minor1		Major1		Major2					
Conflicting Flow All	1059	1059	526	1059	1059	445	526	0	0	445	0	0
Stage 1	614	614	-	445	445	-	-	-	-	-	-	-
Stage 2	445	445	-	614	614	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.5	6.2	7.13	6.5	6.23	4.1	-	-	4.1	-	-
Critical Hdwy Stg 1	6.1	5.5	-	6.13	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.5	-	6.13	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4	3.3	3.527	4	3.327	2.2	-	-	2.2	-	-
Pot Cap-1 Maneuver	204	226	556	201	226	611	1051	-	-	1126	-	-
Stage 1	483	486	-	590	578	-	-	-	-	-	-	-
Stage 2	596	578	-	477	486	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	26	214	556	193	214	611	1051	-	-	1126	-	-
Mov Cap-2 Maneuver	26	214	-	193	214	-	-	-	-	-	-	-
Stage 1	483	459	-	590	578	-	-	-	-	-	-	-
Stage 2	78	578	-	451	459	-	-	-	-	-	-	-

Approach	EB	WB	NE	SW
HCM Control Delay, s	0	52.3	0	0.6
HCM LOS	A	F		

Minor Lane/Major Mvmt	NEL	NET	NER	EBLn1	WBLn1	WBLn2	SWL	SWT	SWR
Capacity (veh/h)	1051	-	-	-	193	611	1126	-	-
HCM Lane V/C Ratio	-	-	-	-	0.922	0.87	0.039	-	-
HCM Control Delay (s)	0	-	-	0	95.8	37.8	8.3	0	-
HCM Lane LOS	A	-	-	A	F	E	A	A	-
HCM 95th %tile Q(veh)	0	-	-	-	7.3	10	0.1	-	-

Intersection						
Int Delay, s/veh	3.9					
Movement	WBL	WBR	NET	NER	SWL	SWT
Lane Configurations	W	W	T	T	T	T
Traffic Vol, veh/h	10	184	413	13	151	464
Future Vol, veh/h	10	184	413	13	151	464
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	90	90	83	83	93	93
Heavy Vehicles, %	0	1	1	8	1	2
Mvmt Flow	11	204	498	16	162	499

Major/Minor	Minor1	Major1	Major2
Conflicting Flow All	1329	506	0
Stage 1	506	-	-
Stage 2	823	-	-
Critical Hdwy	6.4	6.21	-
Critical Hdwy Stg 1	5.4	-	-
Critical Hdwy Stg 2	5.4	-	-
Follow-up Hdwy	3.5	3.309	-
Pot Cap-1 Maneuver	173	568	-
Stage 1	610	-	-
Stage 2	435	-	-
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	136	568	-
Mov Cap-2 Maneuver	136	-	-
Stage 1	610	-	-
Stage 2	343	-	-

Approach	WB	NE	SW
HCM Control Delay, s	18.1	0	2.2
HCM LOS	C		

Minor Lane/Major Mvmt	NET	NERWBLn1	SWL	SWT
Capacity (veh/h)	-	-	488	1057
HCM Lane V/C Ratio	-	-	0.442	0.154
HCM Control Delay (s)	-	-	18.1	9
HCM Lane LOS	-	-	C	A
HCM 95th %tile Q(veh)	-	-	2.2	0.5

Intersection

Int Delay, s/veh 0.2

Movement

	EBL	EBR	NEL	NET	SWT	SWR
Lane Configurations						
Traffic Vol, veh/h	6	0	0	597	615	6
Future Vol, veh/h	6	0	0	597	615	6
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	83	83	93	93
Heavy Vehicles, %	100	0	0	1	2	100
Mvmt Flow	7	0	0	719	661	6

Major/Minor

	Minor2	Major1	Major2
Conflicting Flow All	1383	664	667
Stage 1	664	-	-
Stage 2	719	-	-
Critical Hdwy	7.4	6.2	4.1
Critical Hdwy Stg 1	6.4	-	-
Critical Hdwy Stg 2	6.4	-	-
Follow-up Hdwy	4.4	3.3	2.2
Pot Cap-1 Maneuver	99	464	932
Stage 1	367	-	-
Stage 2	343	-	-
Platoon blocked, %			
Mov Cap-1 Maneuver	99	464	932
Mov Cap-2 Maneuver	99	-	-
Stage 1	367	-	-
Stage 2	343	-	-

Approach

	EB	NE	SW
HCM Control Delay, s	43.9	0	0
HCM LOS	E		

Minor Lane/Major Mvmt

	NEL	NET EBLn1	SWT	SWR
Capacity (veh/h)	932	- 99	-	-
HCM Lane V/C Ratio	-	- 0.066	-	-
HCM Control Delay (s)	0	- 43.9	-	-
HCM Lane LOS	A	- E	-	-
HCM 95th %tile Q(veh)	0	- 0.2	-	-

2030 Build Saturday Midday Peak Hour



2030 Build Saturday MIDDAY
1: Route 110 & I-495 Southbound Ramps

06/01/2023

Intersection

Int Delay, s/veh 2.4

Movement EBL EBR NEL NET SWT SWR

Lane Configurations	↰	↱		↰	↱	↰
Traffic Vol, veh/h	39	136	95	437	184	269
Future Vol, veh/h	39	136	95	437	184	269
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	Yield	-	None	-	Yield
Storage Length	0	170	-	-	-	170
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	98	98	86	86	91	91
Heavy Vehicles, %	0	6	4	1	1	1
Mvmt Flow	40	139	110	508	202	296

Major/Minor Minor2 Major1 Major2

Conflicting Flow All	930	202	202	0	-	0
Stage 1	202	-	-	-	-	-
Stage 2	728	-	-	-	-	-
Critical Hdwy	6.4	6.26	4.14	-	-	-
Critical Hdwy Stg 1	5.4	-	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-	-
Follow-up Hdwy	3.5	3.354	2.236	-	-	-
Pot Cap-1 Maneuver	299	829	1358	-	-	-
Stage 1	837	-	-	-	-	-
Stage 2	482	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	265	829	1358	-	-	-
Mov Cap-2 Maneuver	265	-	-	-	-	-
Stage 1	742	-	-	-	-	-
Stage 2	482	-	-	-	-	-

Approach EB NE SW

HCM Control Delay, s	12.6	1.4	0
HCM LOS	B		

Minor Lane/Major Mvmt NEL NET EBLn1 EBLn2 SWT SWR

Capacity (veh/h)	1358	-	265	829	-	-
HCM Lane V/C Ratio	0.081	-	0.15	0.167	-	-
HCM Control Delay (s)	7.9	0	21	10.2	-	-
HCM Lane LOS	A	A	C	B	-	-
HCM 95th %tile Q(veh)	0.3	-	0.5	0.6	-	-

2030 Build Saturday MIDDAY
2: Route 110 & Wannalancet Road/I-495 Northbound Ramps

06/01/2023

Intersection												
Int Delay, s/veh	6											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations		↕			↕	↕		↕	↕		↕	
Traffic Vol, veh/h	0	0	0	77	0	279	0	253	145	32	288	0
Future Vol, veh/h	0	0	0	77	0	279	0	253	145	32	288	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	Yield	-	-	Yield	-	-	None
Storage Length	-	-	-	-	-	300	-	-	240	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	25	25	25	74	74	74	94	94	94	82	82	82
Heavy Vehicles, %	0	0	0	6	0	2	0	2	2	0	5	0
Mvmt Flow	0	0	0	104	0	377	0	269	154	39	351	0

Major/Minor	Minor2		Minor1		Major1		Major2					
Conflicting Flow All	698	698	351	698	698	269	351	0	0	269	0	0
Stage 1	429	429	-	269	269	-	-	-	-	-	-	-
Stage 2	269	269	-	429	429	-	-	-	-	-	-	-
Critical Hdwy	7.1	6.5	6.2	7.16	6.5	6.22	4.1	-	-	4.1	-	-
Critical Hdwy Stg 1	6.1	5.5	-	6.16	5.5	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.1	5.5	-	6.16	5.5	-	-	-	-	-	-	-
Follow-up Hdwy	3.5	4	3.3	3.554	4	3.318	2.2	-	-	2.2	-	-
Pot Cap-1 Maneuver	358	367	697	350	367	770	1219	-	-	1306	-	-
Stage 1	608	587	-	728	690	-	-	-	-	-	-	-
Stage 2	741	690	-	596	587	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	178	353	697	340	353	770	1219	-	-	1306	-	-
Mov Cap-2 Maneuver	178	353	-	340	353	-	-	-	-	-	-	-
Stage 1	608	565	-	728	690	-	-	-	-	-	-	-
Stage 2	378	690	-	574	565	-	-	-	-	-	-	-

Approach	EB	WB	NE	SW
HCM Control Delay, s	0	15.4	0	0.8
HCM LOS	A	C		

Minor Lane/Major Mvmt	NEL	NET	NER	EBLn1	WBLn1	WBLn2	SWL	SWT	SWR
Capacity (veh/h)	1219	-	-	-	340	770	1306	-	-
HCM Lane V/C Ratio	-	-	-	-	0.306	0.49	0.03	-	-
HCM Control Delay (s)	0	-	-	0	20.2	14.1	7.8	0	-
HCM Lane LOS	A	-	-	A	C	B	A	A	-
HCM 95th %tile Q(veh)	0	-	-	-	1.3	2.7	0.1	-	-

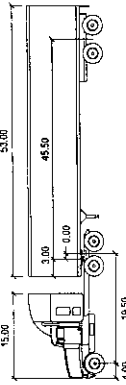
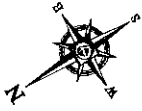
Intersection						
Int Delay, s/veh	2.7					
Movement	WBL	WBR	NET	NER	SWL	SWT
Lane Configurations	Y		Y			Y
Traffic Vol, veh/h	8	89	304	11	94	266
Future Vol, veh/h	8	89	304	11	94	266
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	78	78	95	95	86	86
Heavy Vehicles, %	0	0	2	10	2	3
Mvmt Flow	10	114	320	12	109	309

Major/Minor	Minor1	Major1	Major2		
Conflicting Flow All	853	326	0	0	332
Stage 1	326	-	-	-	-
Stage 2	527	-	-	-	-
Critical Hdwy	6.4	6.2	-	-	4.12
Critical Hdwy Stg 1	5.4	-	-	-	-
Critical Hdwy Stg 2	5.4	-	-	-	-
Follow-up Hdwy	3.5	3.3	-	-	2.218
Pot Cap-1 Maneuver	332	720	-	-	1227
Stage 1	736	-	-	-	-
Stage 2	596	-	-	-	-
Platoon blocked, %			-	-	-
Mov Cap-1 Maneuver	296	720	-	-	1227
Mov Cap-2 Maneuver	296	-	-	-	-
Stage 1	736	-	-	-	-
Stage 2	532	-	-	-	-

Approach	WB	NE	SW
HCM Control Delay, s	11.9	0	2.1
HCM LOS	B		

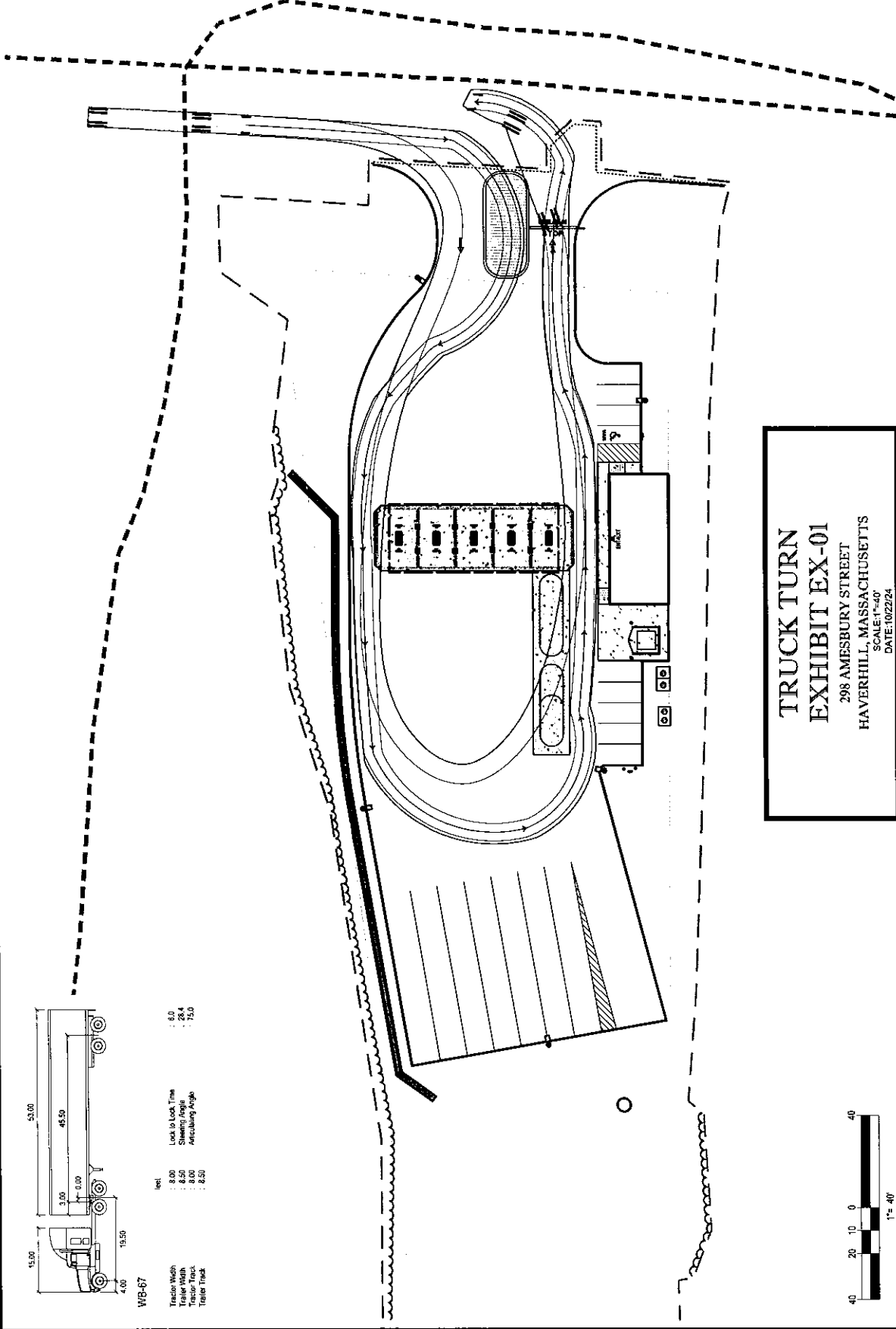
Minor Lane/Major Mvmt	NET	NERWBLn1	SWL	SWT
Capacity (veh/h)	-	-	644	1227
HCM Lane V/C Ratio	-	-	0.193	0.089
HCM Control Delay (s)	-	-	11.9	8.2
HCM Lane LOS	-	-	B	A
HCM 95th %tile Q(veh)	-	-	0.7	0.3

Intersection						
Int Delay, s/veh	0.1					
Movement	EBL	EBR	NEL	NET	SWT	SWR
Lane Configurations						
Traffic Vol, veh/h	5	0	0	393	360	5
Future Vol, veh/h	5	0	0	393	360	5
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	100	0	0	2	3	100
Mvmt Flow	5	0	0	427	391	5
Major/Minor	Minor2	Major1		Major2		
Conflicting Flow All	821	394	396	0	-	0
Stage 1	394	-	-	-	-	-
Stage 2	427	-	-	-	-	-
Critical Hdwy	7.4	6.2	4.1	-	-	-
Critical Hdwy Stg 1	6.4	-	-	-	-	-
Critical Hdwy Stg 2	6.4	-	-	-	-	-
Follow-up Hdwy	4.4	3.3	2.2	-	-	-
Pot Cap-1 Maneuver	240	659	1174	-	-	-
Stage 1	512	-	-	-	-	-
Stage 2	492	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	240	659	1174	-	-	-
Mov Cap-2 Maneuver	240	-	-	-	-	-
Stage 1	512	-	-	-	-	-
Stage 2	492	-	-	-	-	-
Approach	EB	NE		SW		
HCM Control Delay, s	20.3	0		0		
HCM LOS	C					
Minor Lane/Major Mvmt	NEL	NET	EBLn1	SWT	SWR	
Capacity (veh/h)	1174	-	240	-	-	
HCM Lane V/C Ratio	-	-	0.023	-	-	
HCM Control Delay (s)	0	-	20.3	-	-	
HCM Lane LOS	A	-	C	-	-	
HCM 95th %tile Q(veh)	0	-	0.1	-	-	

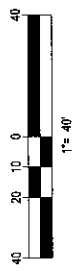


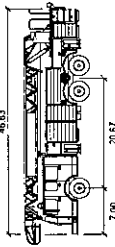
WB-67

Traction Width	: 8.00	Lock to Lock Time	: 8.0
Trailer Width	: 4.50	Shifting Range	: 27.4
Trailer Lock	: 4.50	Attachment Angle	: 75.0
Trailer Track	: 8.50		



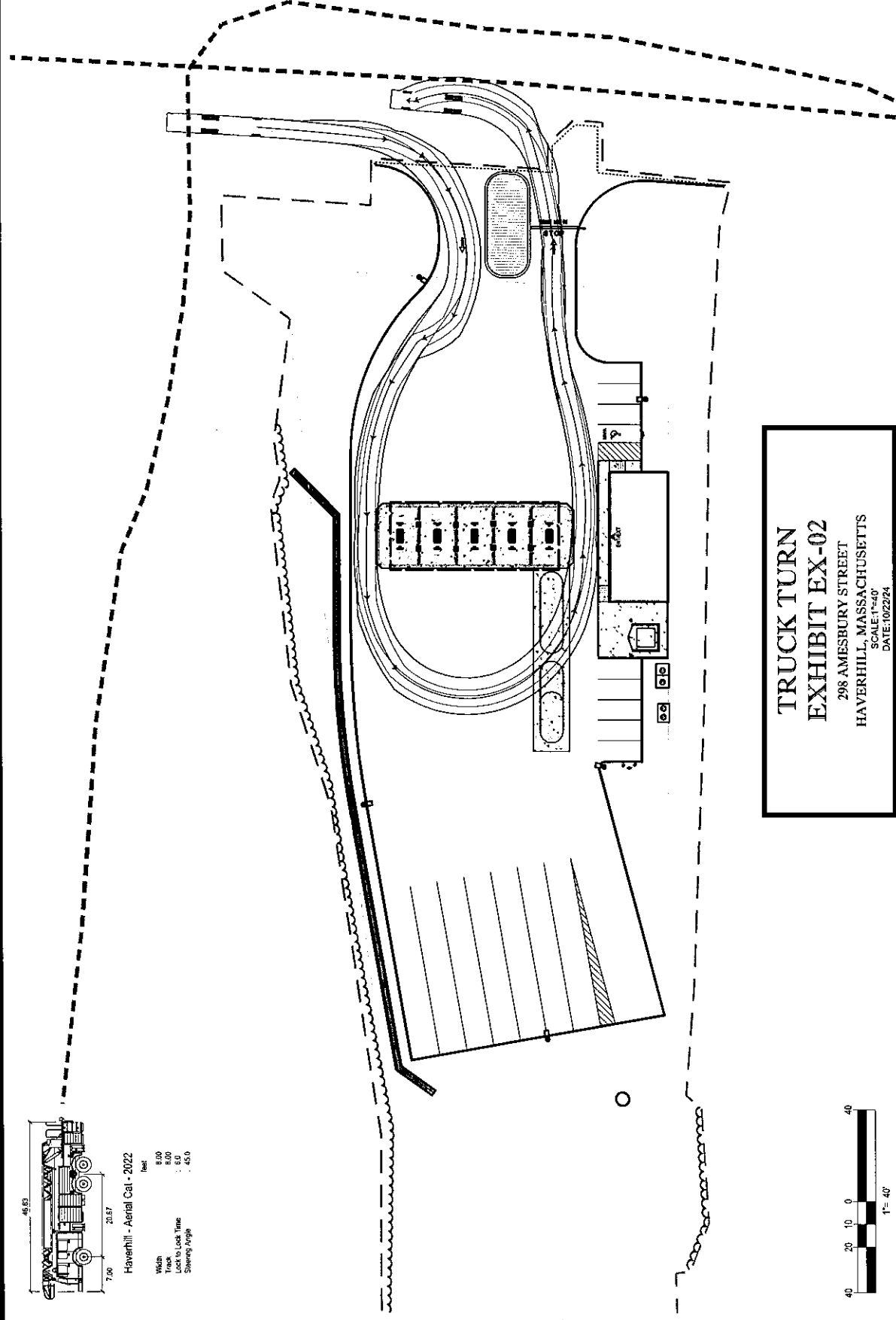
TRUCK TURN
EXHIBIT EX-01
298 AMESBURY STREET
HAVERHILL, MASSACHUSETTS
SCALE: 1"=40'
DATE: 10/22/24



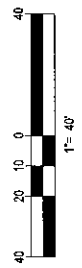


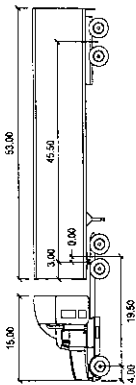
Haverhill - Aerial Cat - 2022

Width	feet
Track	8.00
Lock to Lock Time	8.00
Steering Angle	65.0



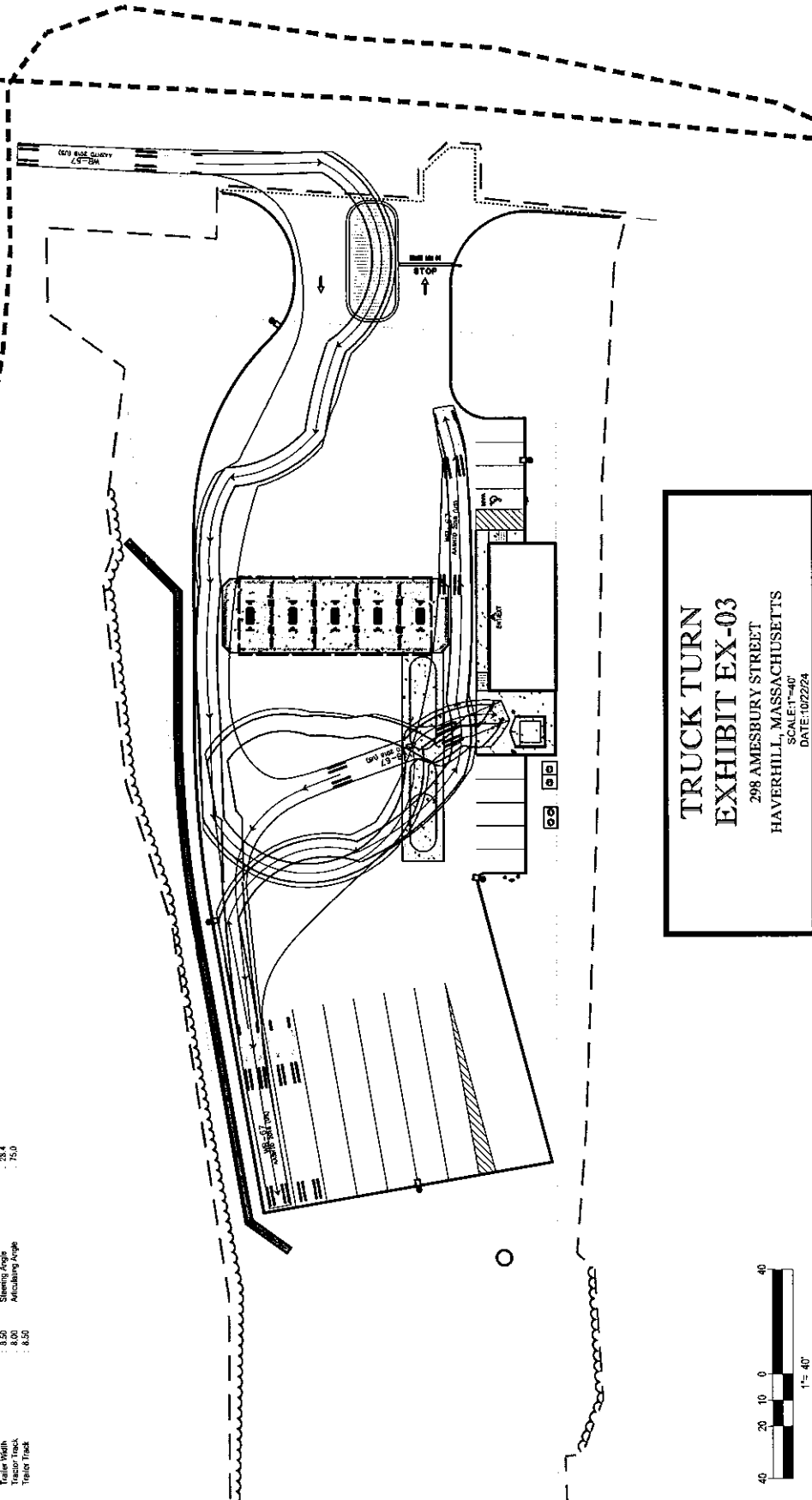
TRUCK TURN
EXHIBIT EX-02
298 AMESBURY STREET
HAVERHILL, MASSACHUSETTS
SCALE: 1"=40'
DATE: 10/22/24



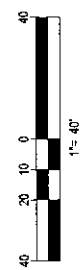


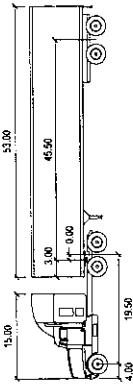
WS-67

Feet	
Traction Motor	: 8.0
Trailer Width	: 8.0
Trailer Length	: 8.0
Trailer Tread	: 8.50
Lock to Lock Time	: 8.0
Steering Angle	: 8.0
Rotating Angle	: 75.0
Lock to Lock Time	: 8.0



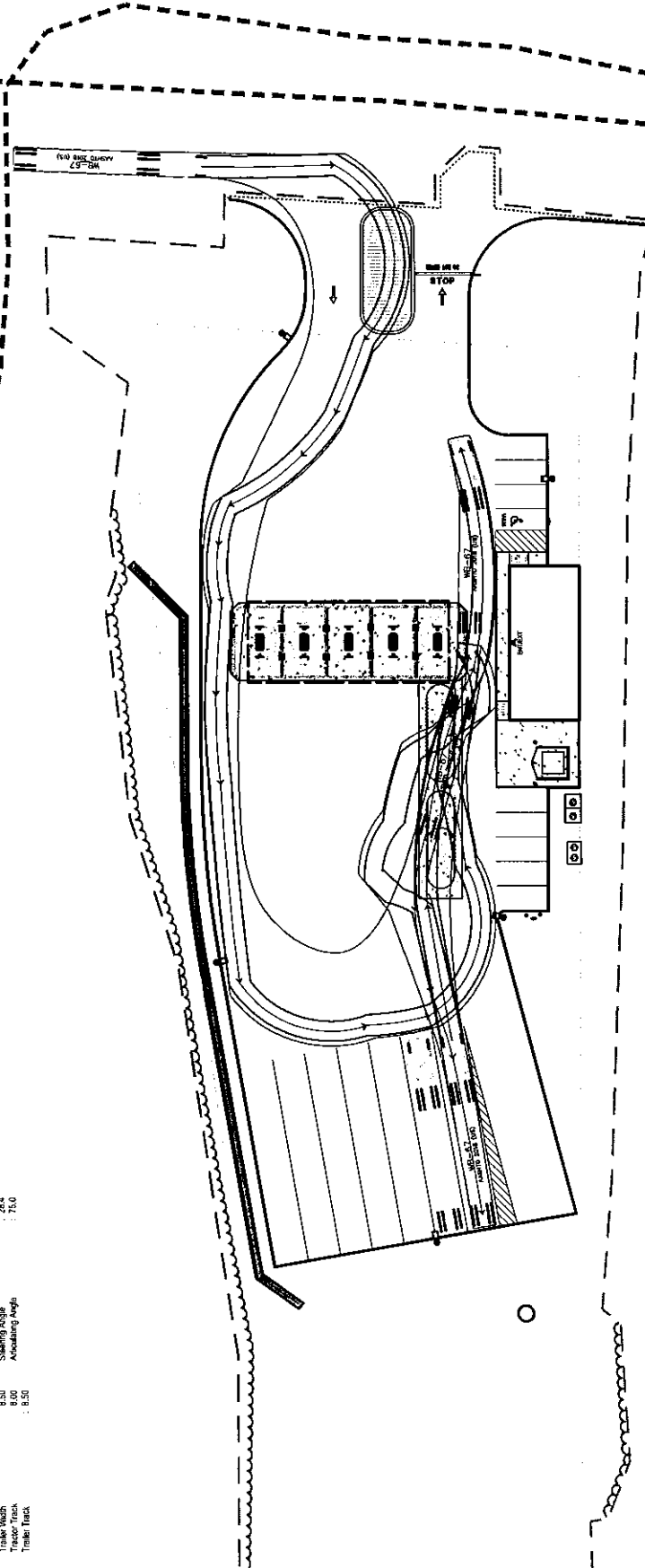
TRUCK TURN
EXHIBIT EX-03
298 AMESBURY STREET
HAVERHILL, MASSACHUSETTS
SCALE: 1"=40'
DATE: 10/22/24



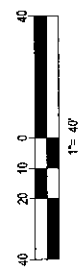


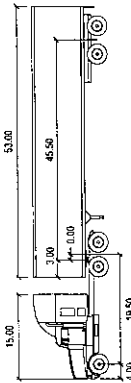
WB-67

Tractor Width	: 8.00	Lock to Lock Time	: 5.0
Tractor Turn	: 8.00	Tractor Turn	: 20.0
Trailer Turn	: 8.00	Trailer Turn	: 75.0
Trailer Track	: 8.50	Trailer Track	: 75.0



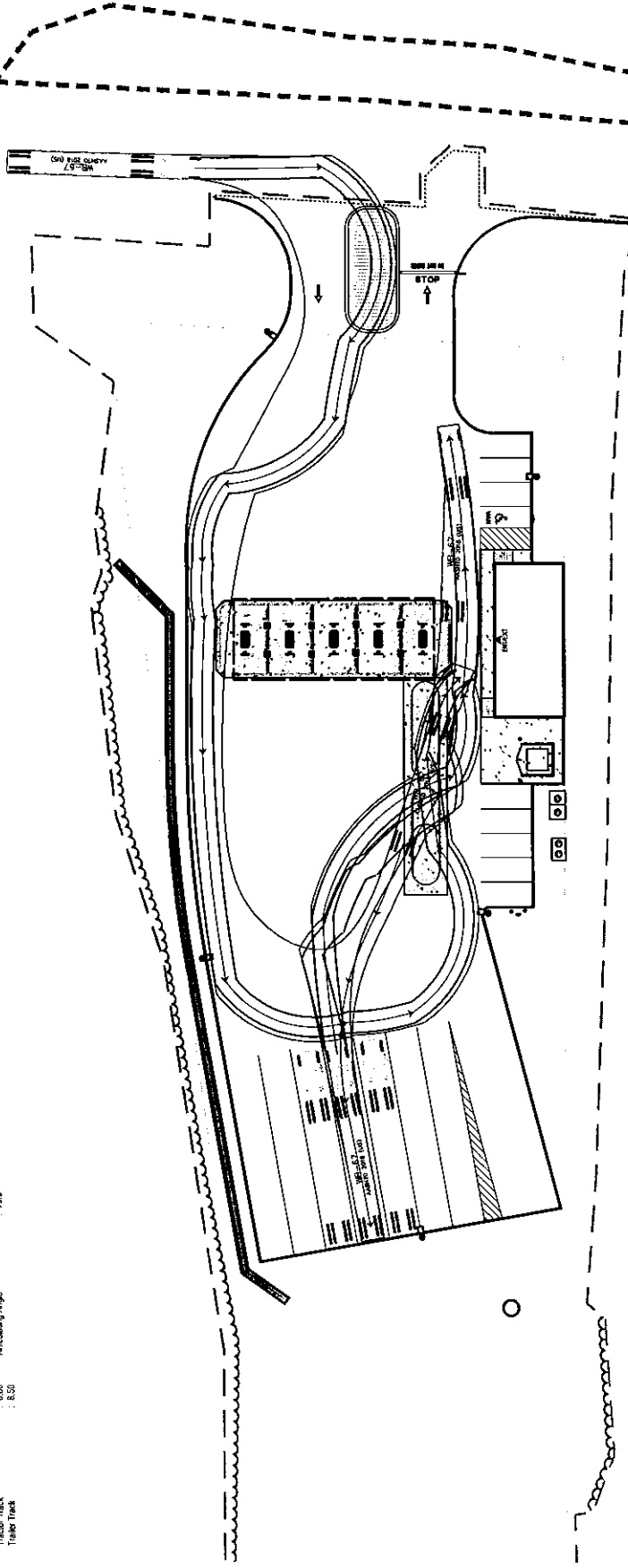
TRUCK TURN
EXHIBIT EX-04
298 AMESBURY STREET
HAVERHILL, MASSACHUSETTS
SCALE: 1"=40'
DATE: 10/22/24



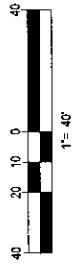


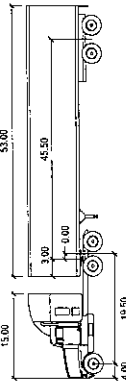
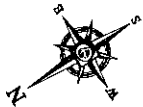
WB-67

Tractor Width	: 8.00
Tractor Wheel	: 8.00
Tractor Axle	: 8.00
Tractor Track	: 8.50
Tractor to Load Time	: 8.0
Steering Angle	: 8.0
Arriving Angle	: 75.0



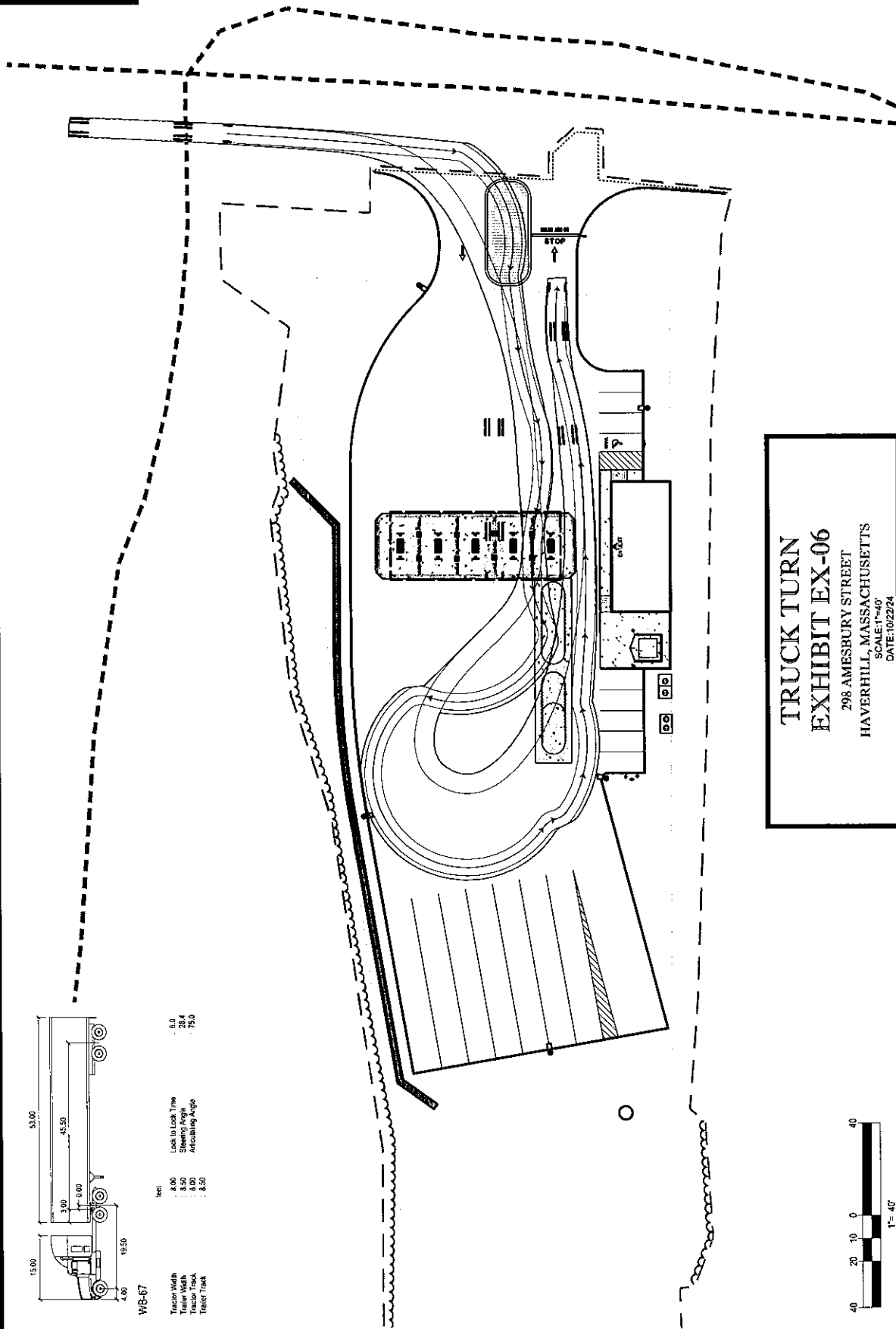
TRUCK TURN
EXHIBIT EX-05
298 AMESBURY STREET
HAVERHILL, MASSACHUSETTS
SCALE: 1"=40'
DATE: 10/22/24





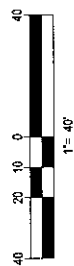
WS-67

	Feet		Feet
Tractor Width	8.00	Lock to Lock Time	8.00
Trailer Width	8.50	Steering Angle	28.4
Tractor Track	8.50	Arriving Angle	73.0
Trailer Track	8.50		



TRUCK TURN EXHIBIT EX-06

298 AMESBURY STREET
HAVERHILL, MASSACHUSETTS
SCALE: 1"=40'
DATE: 10/22/24



October 18, 2024

Via Electronic Mail

City of Haverhill Engineering Department
Haverhill City Hall – Room 300
4 Summer Street
Haverhill, MA 01830-588
5

Attn: Mr. John H. Pettis III, P.E.

**Re: Proposed Retail Petroleum Facility
298 Amesbury Road
Haverhill, Massachusetts**

Dear Mr. Pettis:

Bohler is in receipt of the four (4) outstanding comments you provided relative to a response to comments letter prepared by Vanasse & Associates, Inc. dated August 5, 2024 in connection with the above referenced location. On behalf of the Applicant, Bohler offers the following responses to the comments provided. For clarity, the original comments are in italics, while our responses are directly below in **bold** type.

Comment 1. I continue to be concerned with the proposed curb cut but will defer to MassDOT since the location is within the State Highway layout. Regarding the Traffic Report, the number of trips generated by the site seems very low. It is hard to fathom how the Site can be financially successful with only 12 customers in the AM peak, 6 customers in the PM peak and 5 in the Saturday midday peak. Would the project commit to a follow up study (6 months after construction) to confirm that the traffic generated by the site is consistent with the traffic study assumptions. If volumes are higher, there is a potential for turn lanes to be warranted along Rt 110.

Response: Comment acknowledged. Applicant is willing to agree to a follow-up study to review traffic impacts. Applicant requests, however, that the exact purview of this study be agreed to prior to construction and that the study area be limited to impacts associated with the proposed retail petroleum facility only.

Comment 2. Please forward me a copy of the MassDOT permit once obtained.

Response: Comment acknowledged. Applicant agrees to forward a copy of the MassDOT Permit to Access a State Highway once received.

Comment 3. I appreciate that the Applicant is willing to consider future access to the Business Park, should it become a reality. Access to the site via a new signal at Elliot Street would definitely be the best scenario, But I am it is not clear that the Business Park will happen at this point, mostly due to unforeseen environmental matters.

Response: Comment acknowledged. As previously noted, should the Business Park move forward, the Applicant has indicated a willingness to discuss a potential access connection to the Park.

Comment 4. See 3 above.

Response: Comment acknowledged. As previously noted, should the Business Park move forward, the Applicant has indicated a willingness to discuss a potential access connection to the Park at which point plans highlighting how such an access could be accomplished would be prepared and provided for review.

Comment. I would also be interested in seeing how the trucks will maneuver around the site to access the truck stalls in the rear. The site configuration does not seem ideal for the intended truck use. Will trucks pull straight into the fueling stations or will they circulate to the rear of the pumps and then pull forward into the fueling stations? It seems like challenging circulation.

Response: Please see the attached Truck Turning Exhibits highlighting various truck turning movements into, around, and out of the subject property.

We trust the above as well as the attached information are sufficient for your continued review of the project. Should you have any questions or require additional information, please do not hesitate to contact me at (508) 480-9900.

Sincerely,

BOHLER

A handwritten signature in blue ink, appearing to read 'Lucien M. DiStefano', with a stylized flourish at the end.

Lucien M. DiStefano

Enclosures

Ref: 9665

August 5, 2024

Mr. John H. Pettis III, P.E.
City Engineer
City of Haverhill Engineering Division
City Hall - Room 300
4 Summer Street
Haverhill, MA 01830-5885

Re: Proposed Gas Station/Convenience Store
298 Amesbury Road
Haverhill, Massachusetts

Dear Mr. Pettis:

Vanasse & Associates, Inc. (VAI) is in receipt of comments on the June 2023 VAI traffic study for the above-referenced development which were provided in an email correspondence and are dated April 4, 2024. These comments were received by VAI on July 22, 2024. VAI has prepared responses to these comments below. To aid review, the comments are reproduced followed by our response.

General

Comment No. 1: *The location of the proposed curb cut is closer to the Route 495 ramps than the existing curb cut for the property. While the Report states the existing crashes at the three area unsignalized intersections is not above the regional average, it is noted that it shows crashes at the Rt 110/495 NB ramps is TRIPLE crashes at the Rt 110/495 SB ramps. A new curb cut, closer to the intersection and more heavily utilized, continues to be a concern.*

Response: An in-depth analysis of the crash data for that intersection indicated that several of the crashes are associated with vehicles exiting from Wannalancet Road, which appears to have limited sight lines for vehicles exiting to Route 110. The sight lines are limited by signs, electricity poles, and vegetation in the area. There are also vertical curves that may impact sight lines. However, the sight distance at the Project site driveway is shown to exceed the recommended values for stopping sight distance and intersection sight distance. The proposed curb cut for the site will also have less conflicting traffic associated with it as fewer crossing-type maneuvers will occur at this location.

Comment No. 2: *Does the project have a valid Permit from MassDOT for the new curb cut? If so, were there any conditions associated?*

Response: The state application process has not been started. Typically, all local approvals must be obtained before applying for a curb cut permit from the state.

Comment No. 3: *The Report also does not discuss the potential new Business Park Roadway, and the advantages that access off of it for this project has from a safety standpoint over a new*

Rt 110 curb cut. I continue to believe this is a far superior access for safety reasons, especially as the new Roadway would be off of Rt 110 at a signalized intersection.

Response: This project is separate from the potential Business Park and due to the uncertainty of the Business Park development, is not proposed to have access through the Park. Should the Business Park move forward, the Applicant has indicated they are willing to consider an access connection to the Park, subject to a review of access and circulation as this will require changes to the Applicant's site plan.

Comment No. 4: *I have not seen a plan indicating how site access to such a new Business Park Roadway could be accomplished, and how the new Rt 110 curb cut would be discontinued/removed.*

Response: See response to Comment No. 3.

VAI appreciates the opportunity to provide responses to the comments as noted above. If there are any questions or concerns regarding this information, feel free to contact me at sthornton@rdva.com.

Sincerely,

VANASSE & ASSOCIATES, INC.



Scott W. Thornton, P.E.
Partner

Cc: File



July 7, 2023

City of Haverhill
City Council
4 Summer Street #204
Haverhill, MA 01830

RE: Proposed Fueling Station
298 Amesbury Road
Haverhill, Massachusetts

To Whom It May Concern:

Environmental Risk Advisors, LLC (ERA) has prepared this letter regarding the underground storage tank (UST) system to be installed at the above referenced Site.

Based on the information provided to ERA it appears the following safety measures will be implemented in the installation of the new UST system. These include the following:

- The new USTs to be installed will be constructed of fiberglass and will be double walled with interstitial monitoring technology. Interstitial monitoring is a method that looks for evidence of a release in the space between the primary tank and an outer barrier.
- The supply lines leading from the USTs to the dispensers will be double walled flex piping;
- The UST system will be monitored 24/7 by a Franklin Fuel Evo Series System. The system monitors the interstitial spaces by using a combination of single and dual channel TS-SCCM secondary containment control modules and secondary syphon ports. The secondary containment control module collects information on all interstitial spaces and delivers it to an EVO Series ATG for reporting and alarms. The EVO Series ATG Provides inventory monitoring, static and continuous tank testing, optional tank autocalibration, optional inventory reconciliation, and containment compliance monitoring.

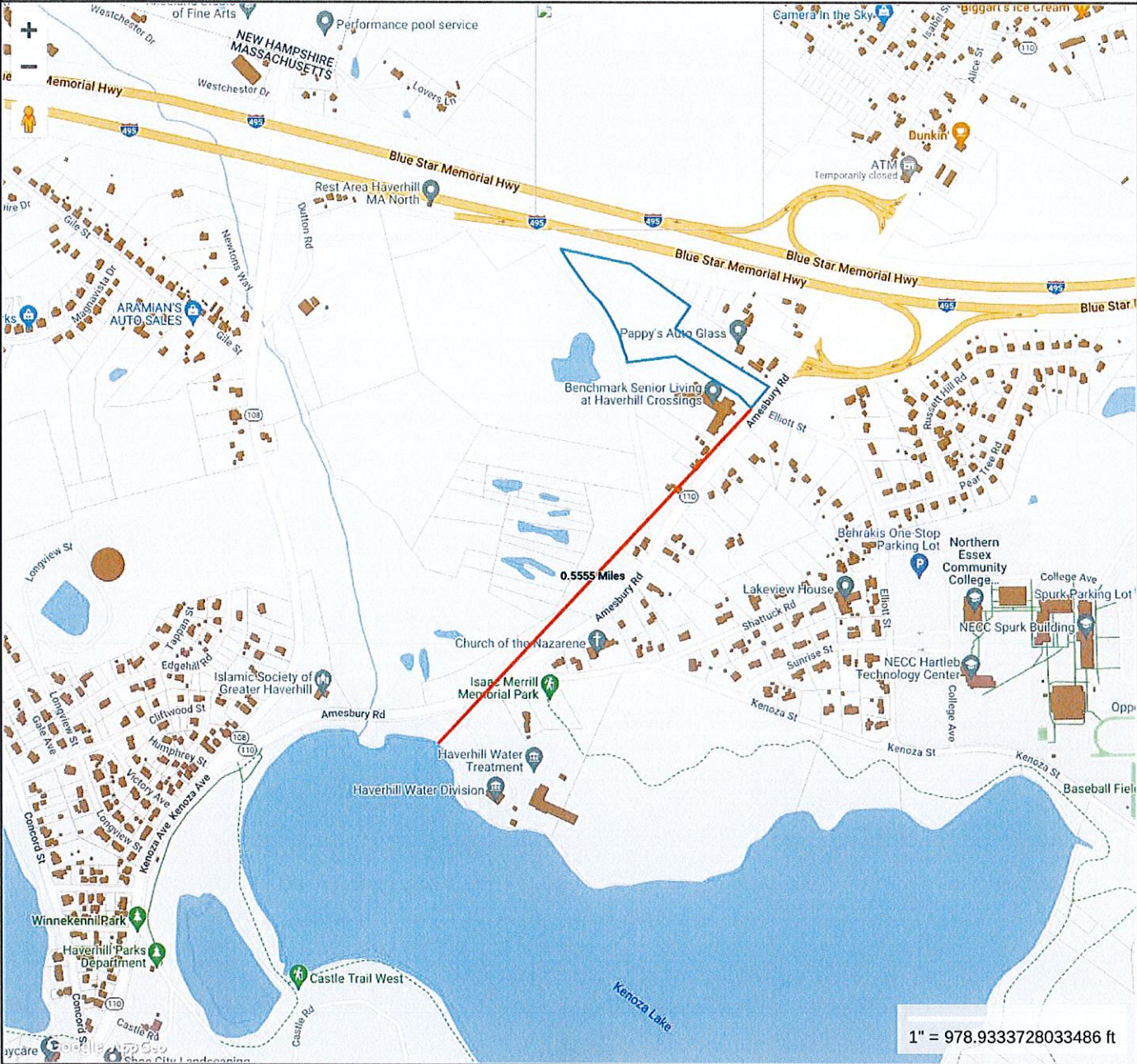
With the following systems to be installed at the facility the risk of a release to the environment would be unlikely with the safety features to be installed at the Site. If there are any questions, please do not hesitate to contact our office.

Sincerely,
ENVIRONMENTAL RISK ADVISORS, LLC



Christopher P. Parent, LSP
President

Proposed Fueling Station, 298 Amesbury Rd., Haverhill, MA



Property Information

Property ID 465-4-5B1
Location AMESBURY RD
Owner NORTHERN ESSEX REALTY TRUST



MAP FOR REFERENCE ONLY
NOT A LEGAL DOCUMENT

City of Haverhill, MA makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.
Geometry updated February 5, 2019
Data updated February 4, 2019

Print map scale is approximate.
Critical layout or measurement activities should not be done using this resource.

2



April 30, 2025

Haverhill City Council
c/o Thomas C. Fallon, Esq.
900 Cummings Center, Suite 306T
Beverly, MA 01915

**Re: UST Installation Design Peer review
298 Amesbury Road
Haverhill, Massachusetts**

Dear Mr. Fallon:

Tetra Tech, Inc. is pleased to submit this peer review report for the Underground Storage Tank (UST) design for the referenced property (the Site).

UST Peer Review

Tetra Tech has reviewed design documents related to the proposed underground storage tank (UST) fueling station installation at 298 Amesbury Road in Haverhill, Massachusetts. Documents reviewed include a site plan, product brochures, specifications, and cut sheets. Tetra Tech reviewed the design documents for compliance with the Massachusetts Underground Storage Tank Regulations (310 CMR 80.000), applicable guidance, and industry practice.

The proposed tanks are double-walled fiberglass reinforced plastic tanks per 310 CMR 80.017(1)(b). Two 20,000-gallon diesel USTs and one 2,500-gallon Diesel Exhaust Fluid (DEF) tanks are proposed. The tanks will be provided by ZCL/Xerxes.

The tanks include a 12" x 12" striker plate at least ¼" thick per 310 CMR 80.017(2).

Proposed piping is double walled, product compatible, non-corrodible material per 310 CMR 80.018(3). The double walled piping will be provided by FlexWorks.

Tank and line leak detection will be accomplished via a Franklin Fueling Systems TS-550 Evo or Veeder-Root TLS 450 system that provides continuous monitoring, overfill prevention, and alarms per 310 CMR 80.19 and 80.21.

Dispensers will include dispenser sumps that are continuously monitored. Turbine sumps will also be continuously monitored per 310 CMR 80.20.

Spill buckets with a minimum capacity of 5 gallons will be installed on all tanks per 310 CMR 80.21.

For the purpose of this review, Tetra Tech assumes tanks and system installations will be conducted in accordance with 310 CMR 80.16-22 including all testing, inspection, and recordkeeping requirements, and that tanks will be installed in accordance with American Petroleum Institute (API) recommended Practice 1615 - Installation of Underground Petroleum Storage Systems, National Fire Protection Association (NFPA)

Marlborough Technology Park
100 Nickerson Road, Marlborough, MA 01752
Tel 508.786.2200 Fax 508.786.2201 tetratech.com

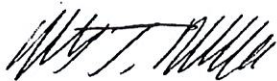
30 Flammable and Combustible Liquids Code, and PEI RP100 - Recommended Practices for Installation of Underground Liquid Storage Systems.

The City Council could consider a condition of the permit that requires that all tanks and associated systems be installed in accordance with all applicable regulations, standards, and industry practices.

Based on our review of the design documents and the assumption that installation and operation of the system will be in accordance with the applicable regulations and standards, the proposed tank installation does not pose a threat of release to the environment.

Please contact Matt Madden at (508) 254-3469 if you have any questions regarding this matter.

Very truly yours,

A handwritten signature in black ink, appearing to read 'Matt Madden', with a stylized, cursive script.

Matthew T. Madden, PE, LSP
Director

C. Donald F. Borenstein, Esq.

P:\836844\143-836844-2500\1\DOCS\REPORTS\2025-04-30 UST HAVERHILL PEER REVIEW.DOCX

3



July 7, 2023

City of Haverhill
City Council
4 Summer Street #204
Haverhill, MA 01830

RE: Proposed Fueling Station
298 Amesbury Road
Haverhill, Massachusetts

To Whom It May Concern:

Environmental Risk Advisors, LLC (ERA) has prepared this letter regarding the underground storage tank (UST) system to be installed at the above referenced Site.

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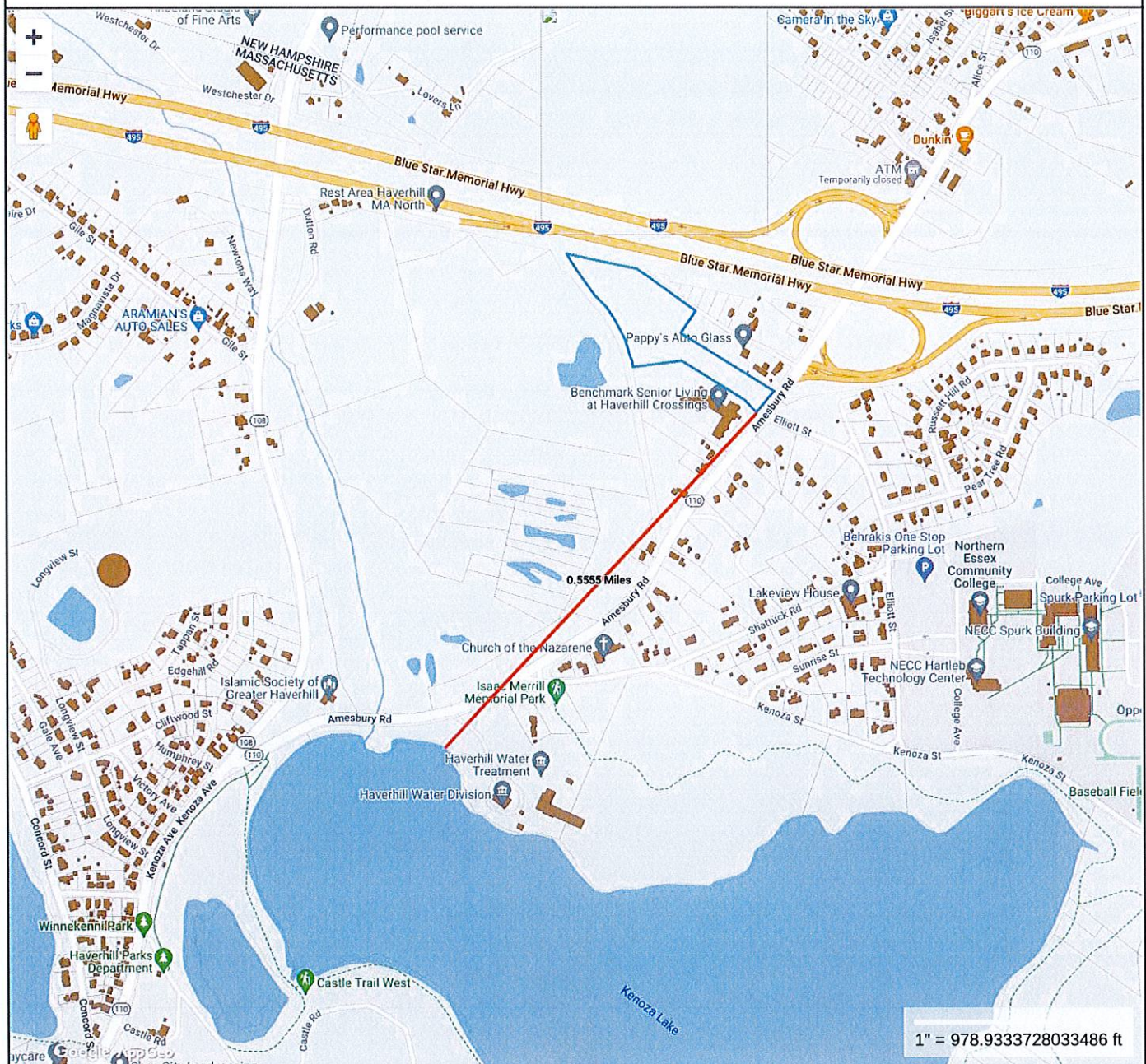
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With the following systems to be installed at the facility the risk of a release to the environment would be unlikely with the safety features to be installed at the Site. If there are any questions, please do not hesitate to contact our office.

Sincerely,
ENVIRONMENTAL RISK ADVISORS, LLC

Christopher P. Parent, LSP
President

Proposed Fueling Station, 298 Amesbury Rd., Haverhill, MA

**Property Information**

Property ID 465-4-5B1
Location AMESBURY RD
Owner NORTHERN ESSEX REALTY TRUST

**MAP FOR REFERENCE ONLY
NOT A LEGAL DOCUMENT**

City of Haverhill, MA makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Geometry updated February 5, 2019
Data updated February 4, 2019

Print map scale is approximate.
Critical layout or measurement
activities should not be done using
this resource.

4

Ref: 9665

August 5, 2024

Mr. John H. Pettis III, P.E.
City Engineer
City of Haverhill Engineering Division
City Hall - Room 300
4 Summer Street
Haverhill, MA 01830-5885

Re: Proposed Gas Station/Convenience Store
298 Amesbury Road
Haverhill, Massachusetts

Dear Mr. Pettis:

Vanasse & Associates, Inc. (VAI) is in receipt of comments on the June 2023 VAI traffic study for the above-referenced development which were provided in an email correspondence and are dated April 4, 2024. These comments were received by VAI on July 22, 2024. VAI has prepared responses to these comments below. To aid review, the comments are reproduced followed by our response.

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Response: An in-depth analysis of the crash data for that intersection indicated that several of the crashes are associated with vehicles exiting from Wannalancet Road, which appears to have limited sight lines for vehicles exiting to Route 110. The sight lines are limited by signs, electricity poles, and vegetation in the area. There are also vertical curves that may impact sight lines. However, the sight distance at the Project site driveway is shown to exceed the recommended values for stopping sight distance and intersection sight distance. The proposed curb cut for the site will also have less conflicting traffic associated with it as fewer crossing-type maneuvers will occur at this location.

Comment No. 2: *Does the project have a valid Permit from MassDOT for the new curb cut? If so, were there any conditions associated?*

Response: The state application process has not been started. Typically, all local approvals must be obtained before applying for a curb cut permit from the state.

Comment No. 3: *The Report also does not discuss the potential new Business Park Roadway, and the advantages that access off of it for this project has from a safety standpoint over a new*

Mr. John H. Pettis III, P.E.
August 5, 2024
Page 2 of 2

Rt 110 curb cut. I continue to believe this is a far superior access for safety reasons, especially as the new Roadway would be off of Rt 110 at a signalized intersection.

Response: This project is separate from the potential Business Park and due to the uncertainty of the Business Park development, is not proposed to have access through the Park. Should the Business Park move forward, the Applicant has indicated they are willing to consider an access connection to the Park, subject to a review of access and circulation as this will require changes to the Applicant's site plan.

Comment No. 4: *I have not seen a plan indicating how site access to such a new Business Park Roadway could be accomplished, and how the new Rt 110 curb cut would be discontinued/removed.*

Response: See response to Comment No. 3.

VAI appreciates the opportunity to provide responses to the comments as noted above. If there are any questions or concerns regarding this information, feel free to contact me at sthornton@rdva.com.

Sincerely,

VANASSE & ASSOCIATES, INC.



Scott W. Thornton, P.E.
Partner

Cc: File



5



352 Turnpike Road
Southborough, MA 01772
508.480.9900

October 18, 2024

Via Electronic Mail

City of Haverhill Engineering Department
Haverhill City Hall – Room 300
4 Summer Street
Haverhill, MA 01830-588
5

Attn: Mr. John H. Pettis III, P.E.

**Re: Proposed Retail Petroleum Facility
298 Amesbury Road
Haverhill, Massachusetts**

Dear Mr. Pettis:

Bohler is in receipt of the four (4) outstanding comments you provided relative to a response to comments letter prepared by Vanasse & Associates, Inc. dated August 5, 2024 in connection with the above referenced location. On behalf of the Applicant, Bohler offers the following responses to the comments provided. For clarity, the original comments are in italics, while our responses are directly below in bold type.

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Response: Comment acknowledged. Applicant is willing to agree to a follow-up study to review traffic impacts. Applicant requests, however, that the exact purview of this study be agreed to prior to construction and that the study area be limited to impacts associated with the proposed retail petroleum facility only.

Comment 2. Please forward me a copy of the MassDOT permit once obtained.

Response: Comment acknowledged. Applicant agrees to forward a copy of the MassDOT Permit to Access a State Highway once received.

Comment 3. I appreciate that the Applicant is willing to consider future access to the Business Park, should it become a reality. Access to the site via a new signal at Elliot Street would definitely be the best scenario, But I am it is not clear that the Business Park will happen at this point, mostly due to unforeseen environmental matters.

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Comment 4. See 3 above.

Response: Comment acknowledged. As previously noted, should the Business Park move forward, the Applicant has indicated a willingness to discuss a potential access connection to the Park at which point plans highlighting how such an access could be accomplished would be prepared and provided for review.

BOHLER //

Comment. *I would also be interested in seeing how the trucks will maneuver around the site to access the truck stalls in the rear. The site configuration does not seem ideal for the intended truck use. Will trucks pull straight into the fueling stations or will they circulate to the rear of the pumps and then pull forward into the fueling stations? It seems like challenging circulation.*

Response: Please see the attached Truck Turning Exhibits highlighting various truck turning movements into, around, and out of the subject property.

We trust the above as well as the attached information are sufficient for your continued review of the project. Should you have any questions or require additional information, please do not hesitate to contact me at (508) 480-9900.

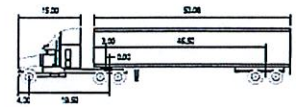
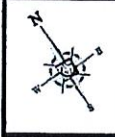
Sincerely,

BOHLER



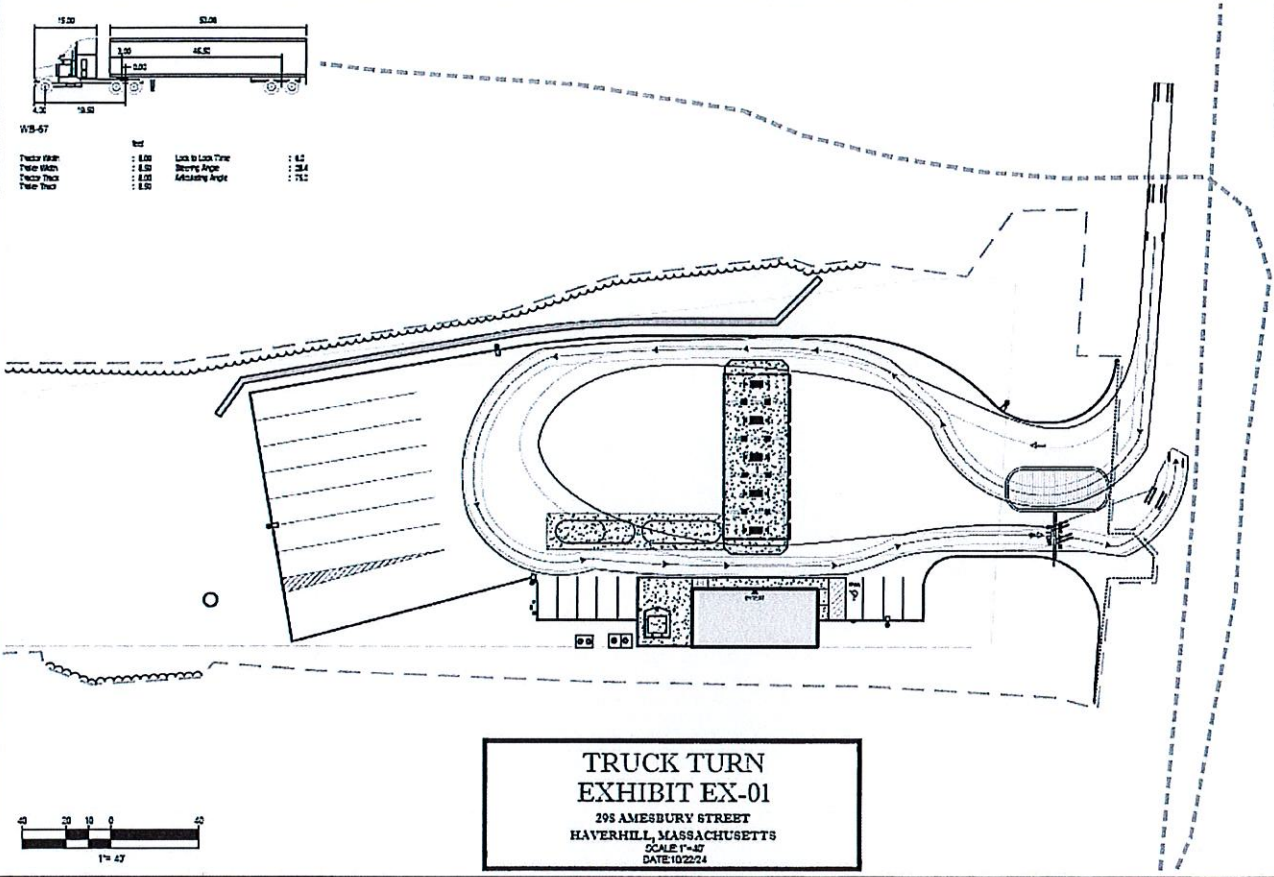
Lucien M. DiStefano

Enclosures

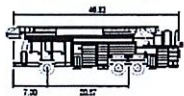


WB-67

Trailer Width	: 8.50	Lock to Lock Time	: 6.5
Trailer Length	: 8.50	Turning Angle	: 38.4
Trailer Thickness	: 8.50	Advancing Angle	: 75.2
Trailer Thickness	: 8.50		

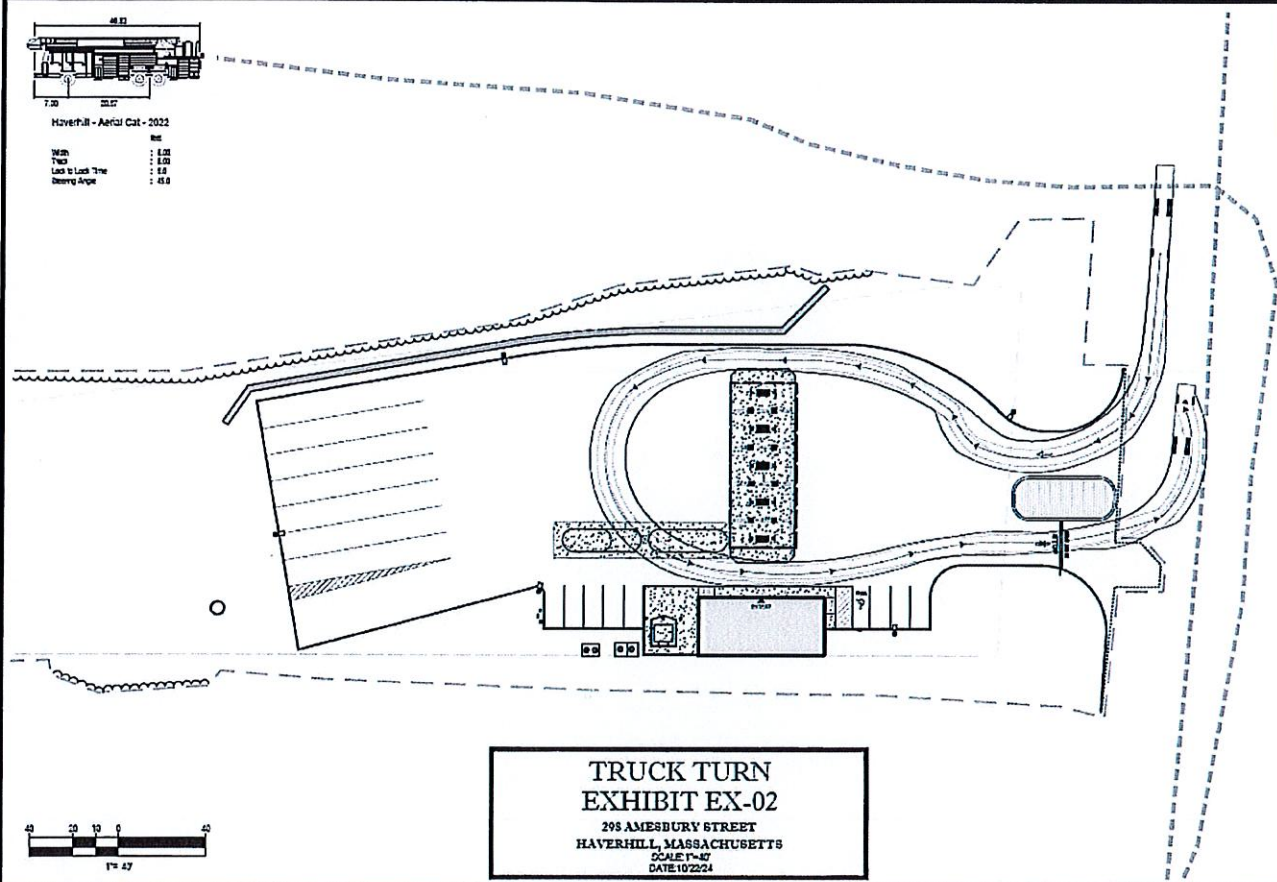


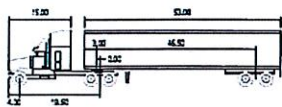
TRUCK TURN
EXHIBIT EX-01
295 AMESBURY STREET
HAVERHILL, MASSACHUSETTS
SCALE 1"=30'
DATE 10/22/24



Haverhill - Aerial Cat - 2022

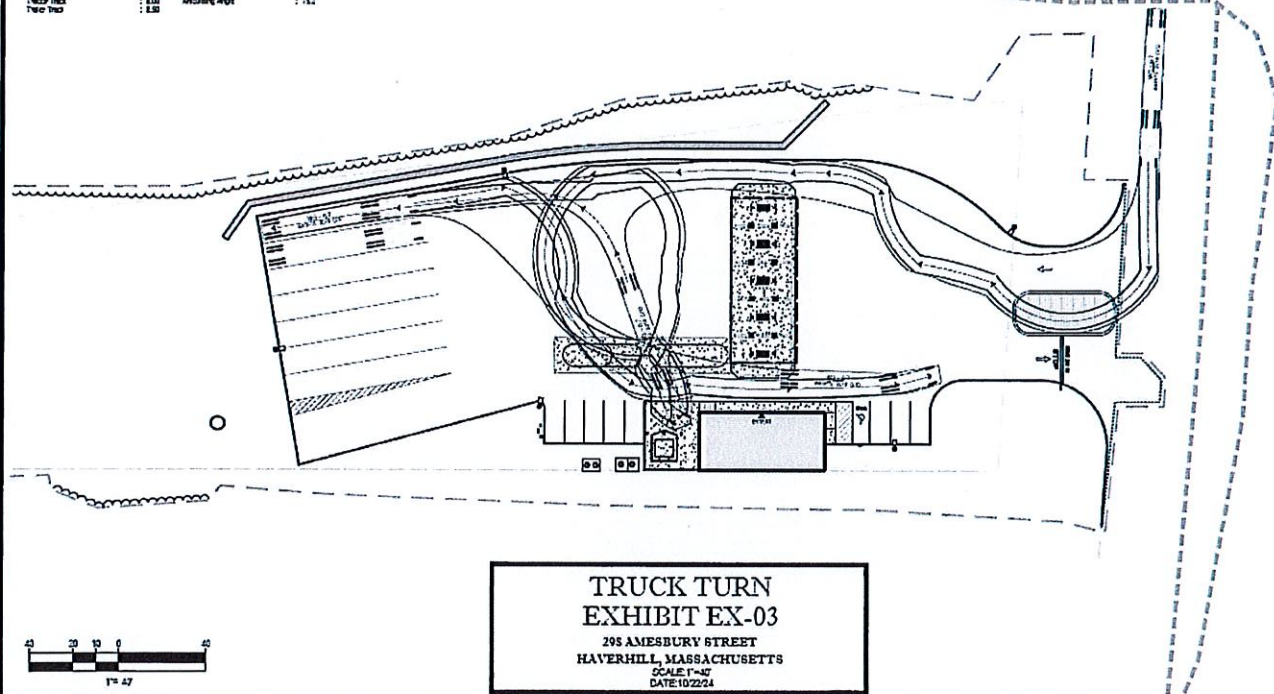
	ft
Width	6.00
Track	6.00
Lead to Lead Time	0.8
Starting Angle	45.8



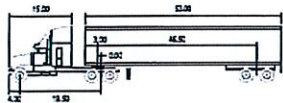


W2-67

Truck Width	: 8.00	Lock to Lock Time	: 0.2
Truck Height	: 8.00	Swinging Angle	: 28.4
Truck Track	: 8.00	Approach Angle	: 15.2
Truck Turn	: 8.00		

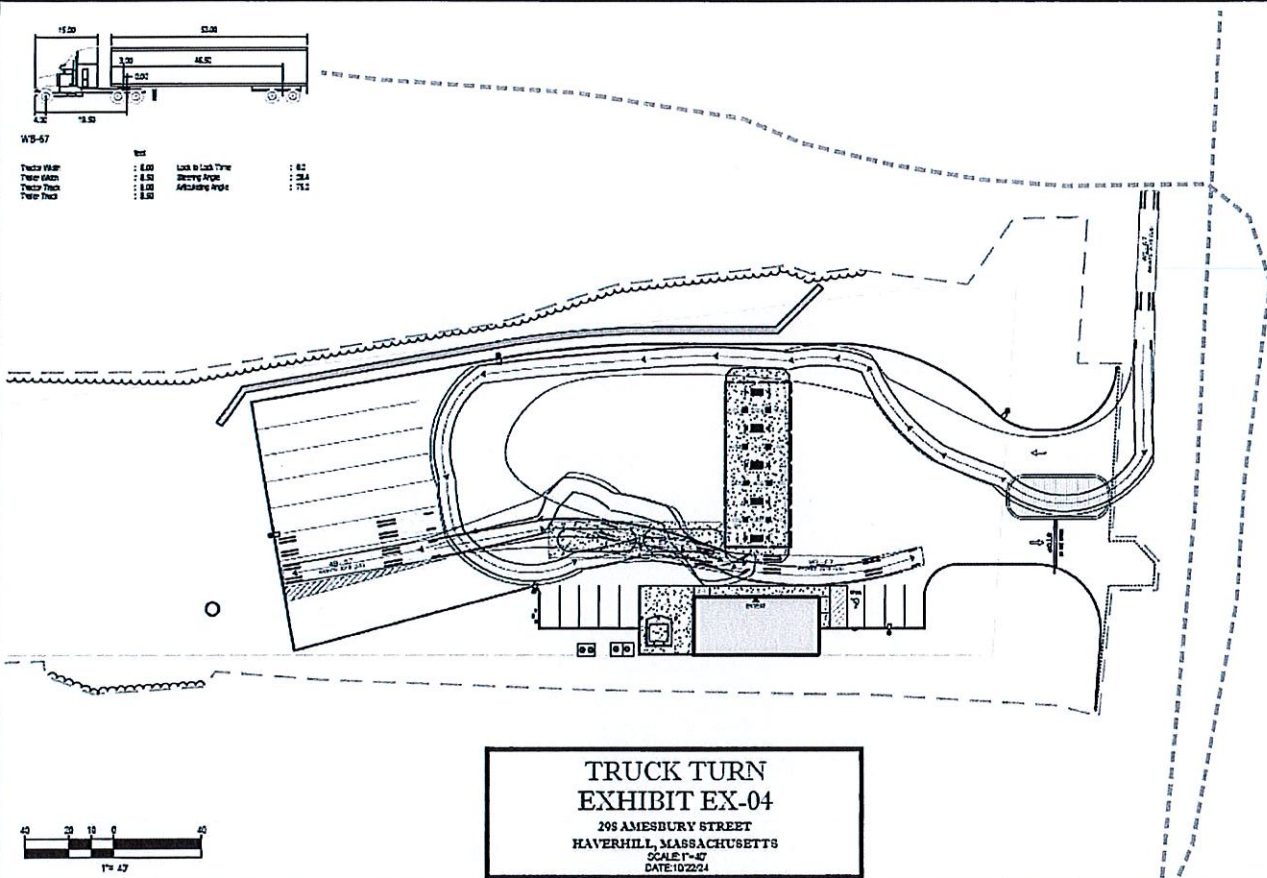


TRUCK TURN
EXHIBIT EX-03
295 AMESBURY STREET
HAVERHILL, MASSACHUSETTS
SCALE: 1"=30'
DATE: 10/22/24



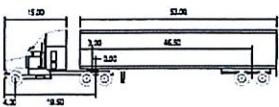
WB-67

Test	Test	Test	Test
Truck Mass	: 6.00	Look In Last Time	: 6.0
Truck Mass	: 6.00	Stopping Angle	: 28.8
Truck Mass	: 6.00	Arriving Angle	: 71.2
Truck Mass	: 6.00		



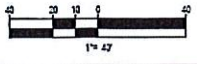
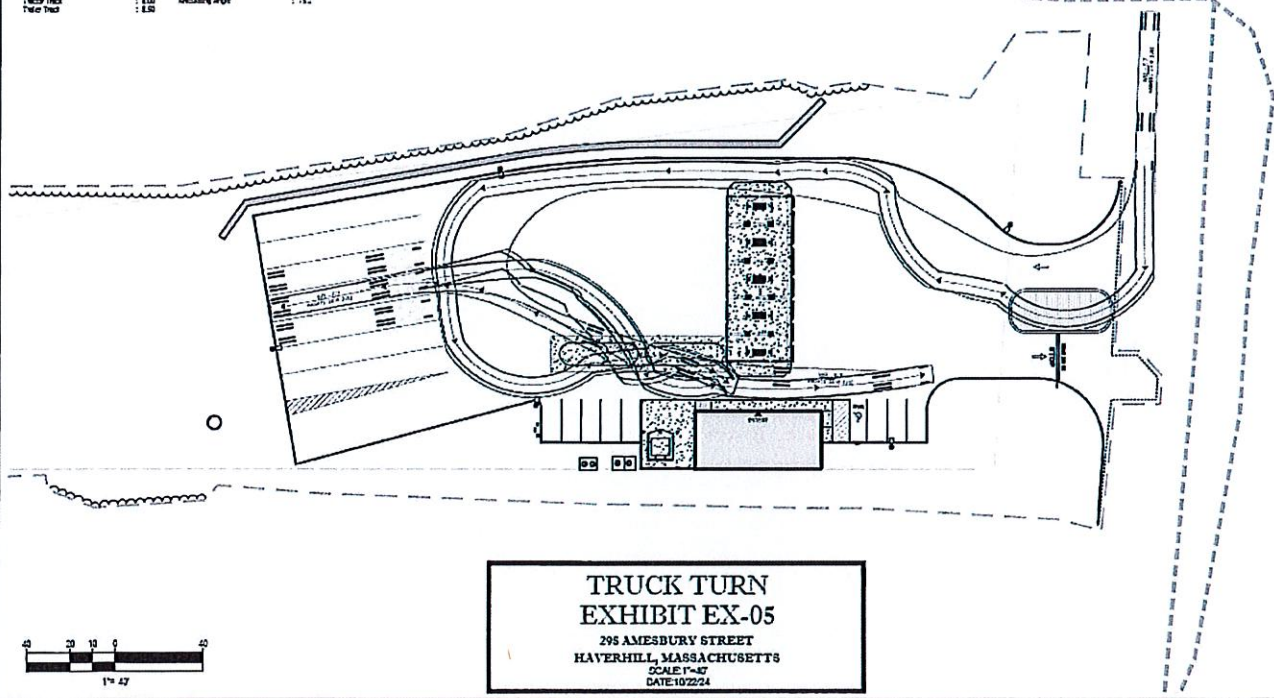
TRUCK TURN EXHIBIT EX-04

295 AMESBURY STREET
HAVERHILL, MASSACHUSETTS
SCALE 1"=47'
DATE 10/22/04

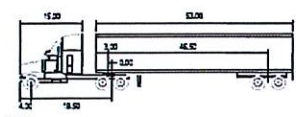


WS-67

Truck Width	: 8.00	Lock Release Time	: 6.2
Truck Height	: 8.00	Steering Angle	: 28.4
Truck Weight	: 8.00	Accelerating Angle	: 17.2
Truck Length	: 8.00		

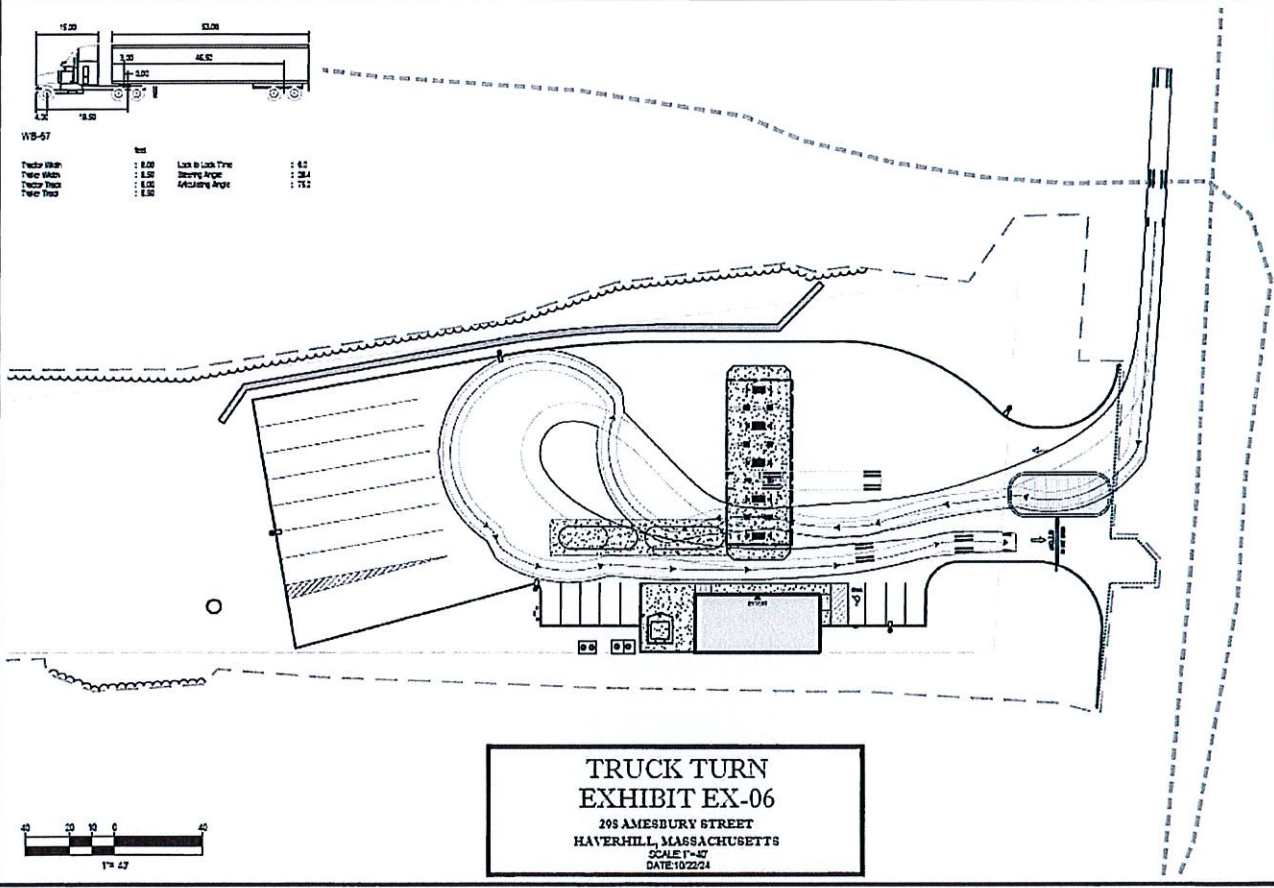


TRUCK TURN
EXHIBIT EX-05
298 AMESBURY STREET
HAVERHILL, MASSACHUSETTS
SCALE 1"=30'
DATE 10/22/24



WB-57

Test		
Truck Width	: 8.00	Lock to Lock Time : 6.5
Truck Width	: 8.00	Steering Angle : 38.4
Truck Width	: 8.00	Articulating Angle : 75.2
Truck Width	: 8.00	



TRUCK TURN
EXHIBIT EX-06
205 AMESBURY STREET
HAVERHILL, MASSACHUSETTS
SCALE: 1"=40'
DATE: 10/22/21

6

Kayron2 Petroleum LLC

Land Court

Dept. # 21MISC 00044

v.

Haverhill City Council

Essex Sup. Court

2277 CV 00848

Memorandum of
Settlement Terms

1. Kayron2 will have its project team prepare the following engineering / expert reports:-

A. Traffic Study, including consideration of

- i. Traffic Impact and volumes
- ii. Adequacy of project facilities and adjacent roadway infrastructure
- iii. Potential mitigation & access points, safety etc.

B. Fuel tank safety, leak prevention, ^{leak} mitigation and response protocol.

2. The above reports will be submitted to the following City Authorities for review, comment, and recommendation to City Council

A. Traffic Report -

City Engineer
City Police Dept, Fire Department

B. Truck Safety Report -

City Engineer
City Building Inspector
City Board of Health
Fire Department

C. All other departments as necessary, as directed by City Council's Attorney.

There City Council through its counsel will request input from above City Authorities, as necessary, if necessary,

3. The parties shall file a joint motion with the Land Court to remand the pending Appeal to the City Council for them to reopen their hearing, take in

additional information, and reconsider their denial.

City Council will reopen its hearing within 45 days of receiving final reports from Kayrouz and ^{Final} recommendations from the listed City Authorities

4. Upon approval of the Kayrouz Application in a form satisfactory to Kayrouz, the pending Appeals shall be dismissed with prejudice and without costs.

In the event of a denial or imposition of conditions by the Council unsatisfactory to Kayrouz, the matter shall return to the Land Court for adjudication.

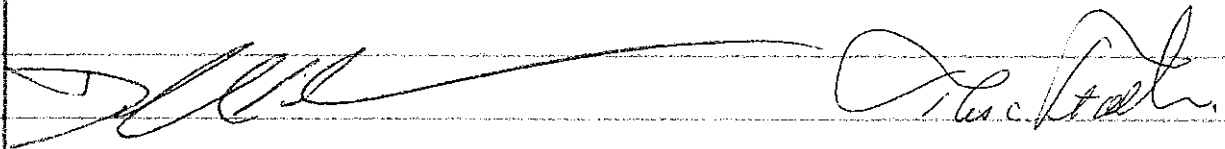
5. The parties shall jointly

move to stay the Superior
Court action until the
City Council reconsiders its
denial of the Kayranz Application

6. Subject to City Council review, City Council
expects to seek approval of same on Feb 7, 2023.

Counsel for Kayranz
Petroleum LLC,

Counsel for
City Council,



7

COMMONWEALTH OF MASSACHUSETTS
LAND COURT
DEPARTMENT OF THE TRIAL COURT

ESSEX, ss.

Case No. 22 MISC 000444 (DRR)

KAYROUZ PETROLEUM LLC,

Plaintiff,

v.

TIMOTHY J. JORDAN, JOHN A. MICHITSON,
MELINDA BARRETT, JOSEPH J.
BEVILACQUA, THOMAS J. SULLIVAN,
MELISSA LEWANDOWSKI, MICHAEL S.
MCGONAGLE, CATHERINE P. ROGERS, and
SHAUN TOOHEY, as they are members of the
CITY COUNCIL FOR THE CITY OF
HAVERHILL,

Defendants.

ORDER OF REMAND

Upon review, the parties' Joint Motion for Remand is hereby **ALLOWED** and the matter is remanded to the City Council for the City of Haverhill and with the assent of all parties, the Court hereby orders as follows:

1. Kayrouz Petroleum LLC ("Kayrouz") shall prepare and submit a Traffic Report to the City Engineer and a Fuel Tank Safety Report to the City Engineer, Building Inspector, Board of Health, and Fire Department, for review, comment, and recommendation to the City Council.
2. Within forty-five (45) days of receiving the reports and recommendations, the City Council shall re-open its hearing to reconsider its denial of Kayrouz's application.
3. This Court shall retain jurisdiction during the remand process. Upon the City Council's approval of Kayrouz's application, with conditions satisfactory to Kayrouz, the Parties agree to promptly dismiss this matter by the filing of a joint stipulation of dismissal. Should

Kayrouz object to the outcome of the City Council's hearing on remand, this matter shall be returned to the Court's active docket upon the filing of an appropriate motion for same.

4. Unless a joint stipulation of dismissal has been filed with the Court, the Parties shall provide the Court with a written status report of the City Council's remand proceedings within ninety (90) days of this Order.

SO ORDERED

By the Court (Rubin, J.)
/s/ Diane R. Rubin

Attest:

/s/ Deborah J. Patterson
Deborah J. Patterson, Recorder

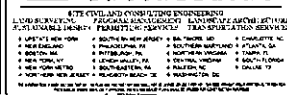
Dated: February 16, 2023

LAND USE / ZONING
INFORMATION & NOTES[illegible]

- East and Midwest Counties
- In the Case of a Closure for one or more regions or for the PAW, the Regional Audit will be conducted directly, the report on the audit will be submitted to the Regional Audit Board
- Total Federal Highway Dollars not include major streets

THIS PLAN TO BE UTILIZED FOR SITH
LAYOUT PURPOSES ONLY

THIS PLAN TO BE UTILIZED FOR SITE LAYOUT PURPOSES ONLY



Sl. No.	Date	Particulars	Dr	Cr
1	2017-01-01	Balance b/f		
2	2017-01-01	Balance b/f		
3	2017-01-01	Balance b/f		
4	2017-01-01	Balance b/f		
5	2017-01-01	Balance b/f		
6	2017-01-01	Balance b/f		
7	2017-01-01	Balance b/f		
8	2017-01-01	Balance b/f		
9	2017-01-01	Balance b/f		
10	2017-01-01	Balance b/f		
11	2017-01-01	Balance b/f		
12	2017-01-01	Balance b/f		
13	2017-01-01	Balance b/f		
14	2017-01-01	Balance b/f		
15	2017-01-01	Balance b/f		

DEVELOPMENT
PLANS

WATKINS
REALTY, LLC

TOWN OF FAVERHILL
ESSEX COUNTY,
MASSACHUSETTS

J.G. SWERLING

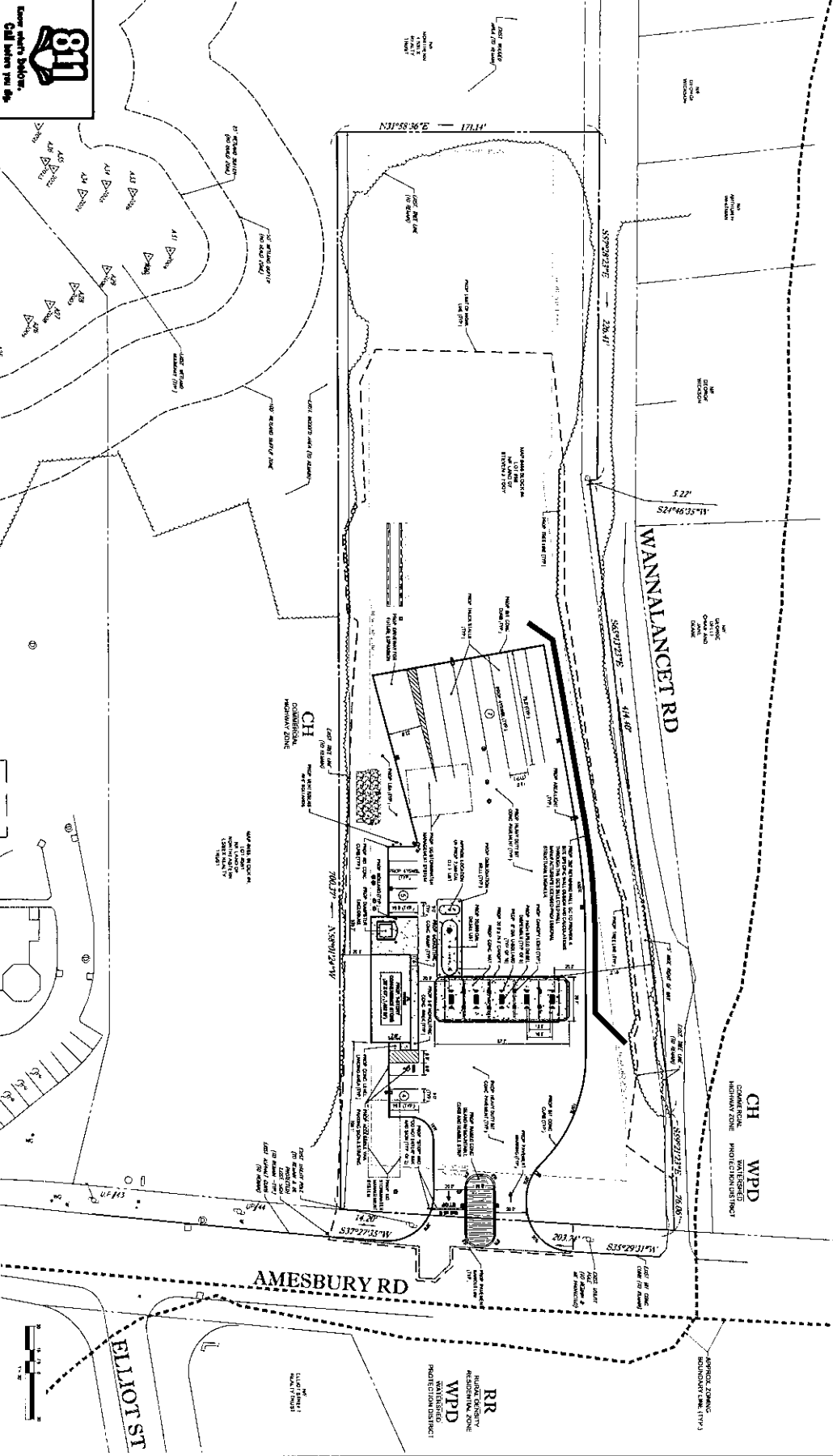
Downloaded from <http://www.sagepub.com> at
UNIVERSITY OF CALIFORNIA LIBRARY on July 1, 2015

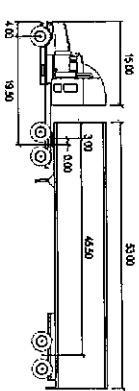
SITE PLAN

C-201

457-11 - 08/06/2015

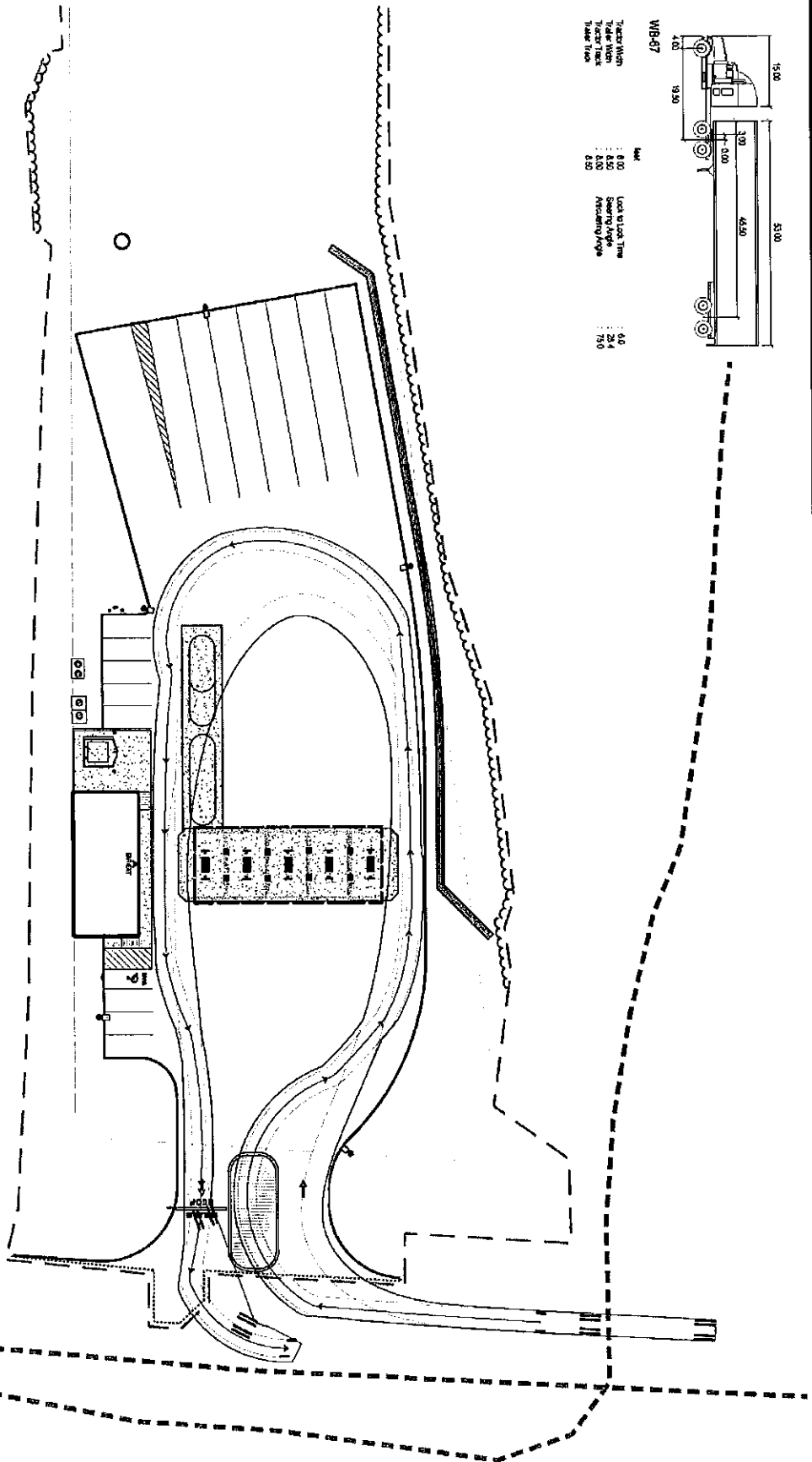
**Know what's below.
Call before you dig.**



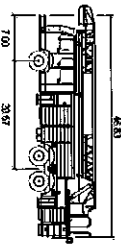


WB-67

Tractor Width	8.00	Lock to Lock Time	6.0
Tractor Length	8.50	Swallow Angle	28.4
Tractor Tires	8.50	Revolving Angle	7.50
Tractor Tires	8.50		

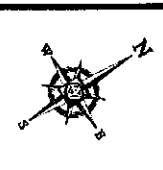
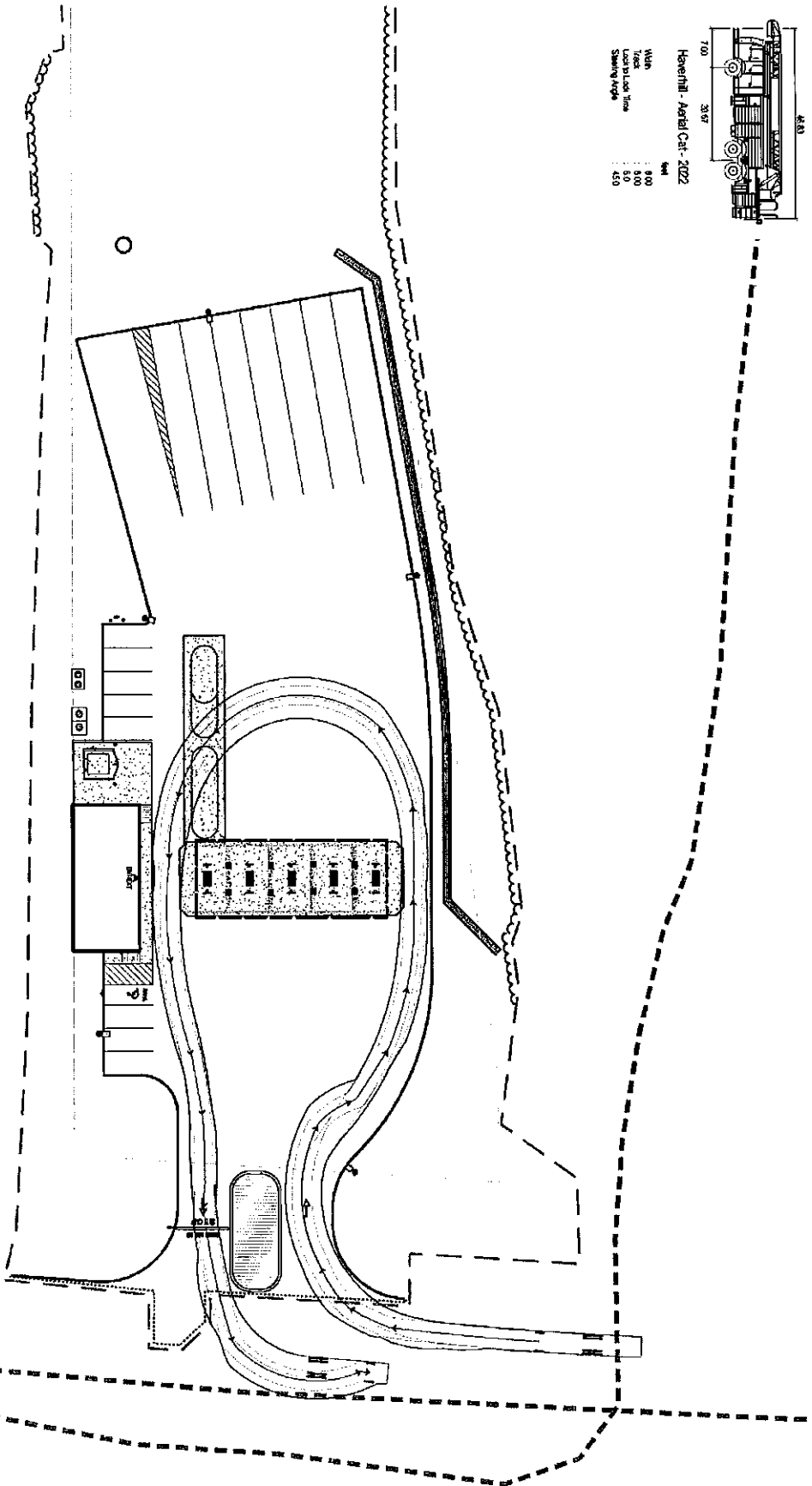


TRUCK TURN
EXHIBIT EX-01
298 AMESBURY STREET
HAVERHILL, MASSACHUSETTS
SCALE 1/8" = 1'-0"
DATE 07/22/94

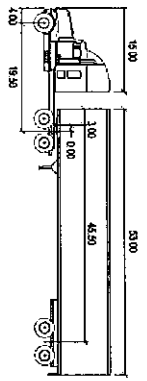


Haverhill - Asafel Cat - 2022

Width	36'
Height	8' 0"
Length	46' 6"
Turning Radius	50'
Turning Angle	45°

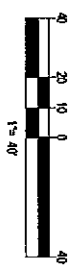


TRUCK TURN
EXHIBIT EX-02
298 AMESBURY STREET
HAVERHILL, MASSACHUSETTS
SCALE: 1/4" = 10'
DATE: 10/22/24

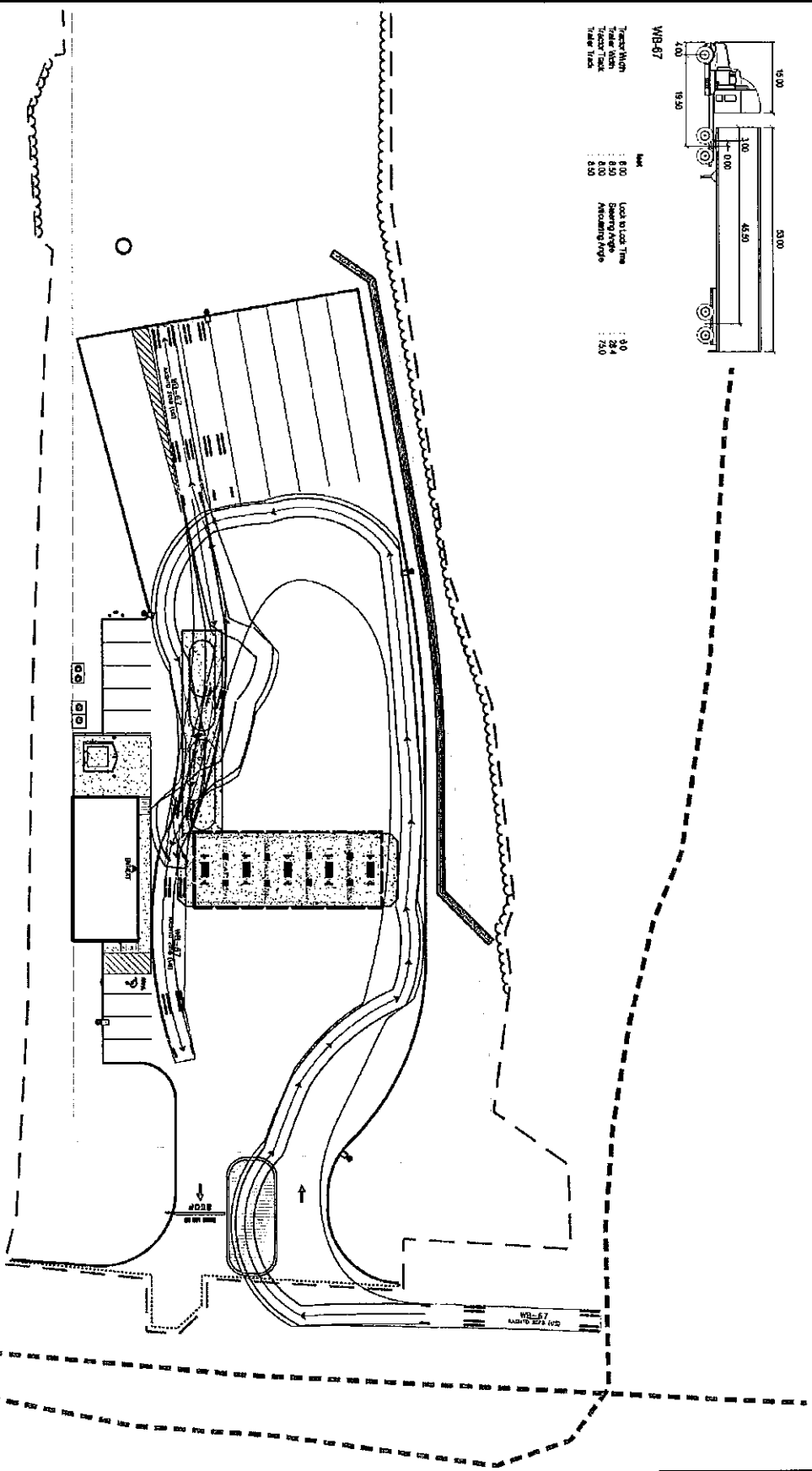


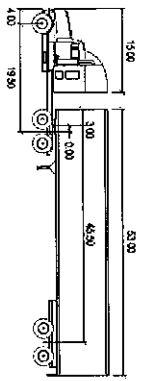
WB-67

Tractor Width	8.00	Load to Load Time	9.0
Tractor Height	8.50	Unloading Rate	25.4
Tractor Weight	8.50	Revolving Rate	15.0
Tractor Type	8.50		



TRUCK TURN
EXHIBIT EX-04
298 AMESBURY STREET
HAVERHILL, MASSACHUSETTS
SOLELY
DATE 10/22/78

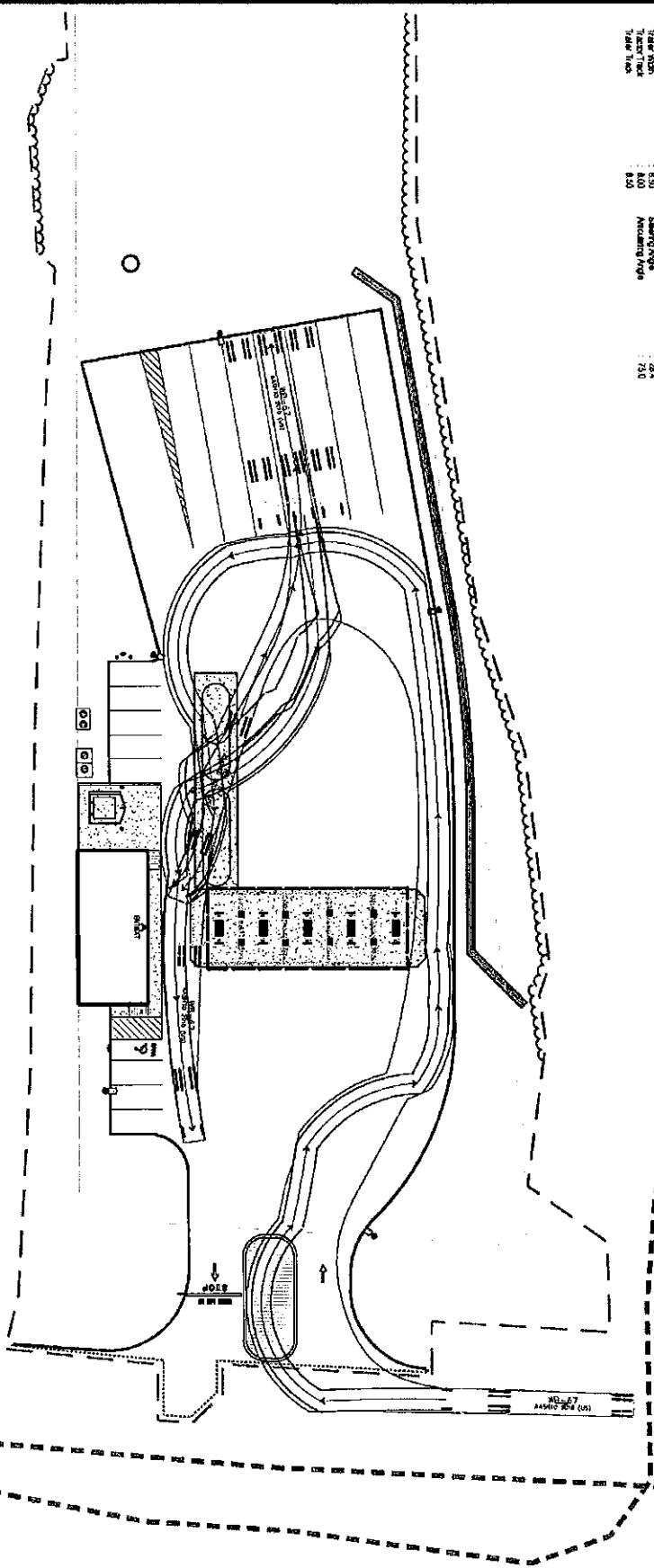


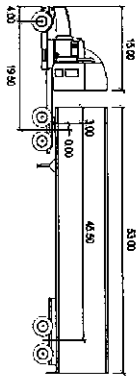


WB-67	Load	Lock to Lock Time
3' x 5' x 10' x 12' x 14' x 16' x 18' x 20' x 22' x 24' x 26' x 28' x 30' x 32' x 34' x 36' x 38' x 40' x 42' x 44' x 46' x 48' x 50' x 52' x 54' x 56' x 58' x 60' x 62' x 64' x 66' x 68' x 70' x 72' x 74' x 76' x 78' x 80' x 82' x 84' x 86' x 88' x 90' x 92' x 94' x 96' x 98' x 100'	8.00	6.00
3' x 5' x 10' x 12' x 14' x 16' x 18' x 20' x 22' x 24' x 26' x 28' x 30' x 32' x 34' x 36' x 38' x 40' x 42' x 44' x 46' x 48' x 50' x 52' x 54' x 56' x 58' x 60' x 62' x 64' x 66' x 68' x 70' x 72' x 74' x 76' x 78' x 80' x 82' x 84' x 86' x 88' x 90' x 92' x 94' x 96' x 98' x 100'	8.50	28.4
3' x 5' x 10' x 12' x 14' x 16' x 18' x 20' x 22' x 24' x 26' x 28' x 30' x 32' x 34' x 36' x 38' x 40' x 42' x 44' x 46' x 48' x 50' x 52' x 54' x 56' x 58' x 60' x 62' x 64' x 66' x 68' x 70' x 72' x 74' x 76' x 78' x 80' x 82' x 84' x 86' x 88' x 90' x 92' x 94' x 96' x 98' x 100'	9.00	12.0
3' x 5' x 10' x 12' x 14' x 16' x 18' x 20' x 22' x 24' x 26' x 28' x 30' x 32' x 34' x 36' x 38' x 40' x 42' x 44' x 46' x 48' x 50' x 52' x 54' x 56' x 58' x 60' x 62' x 64' x 66' x 68' x 70' x 72' x 74' x 76' x 78' x 80' x 82' x 84' x 86' x 88' x 90' x 92' x 94' x 96' x 98' x 100'	9.50	



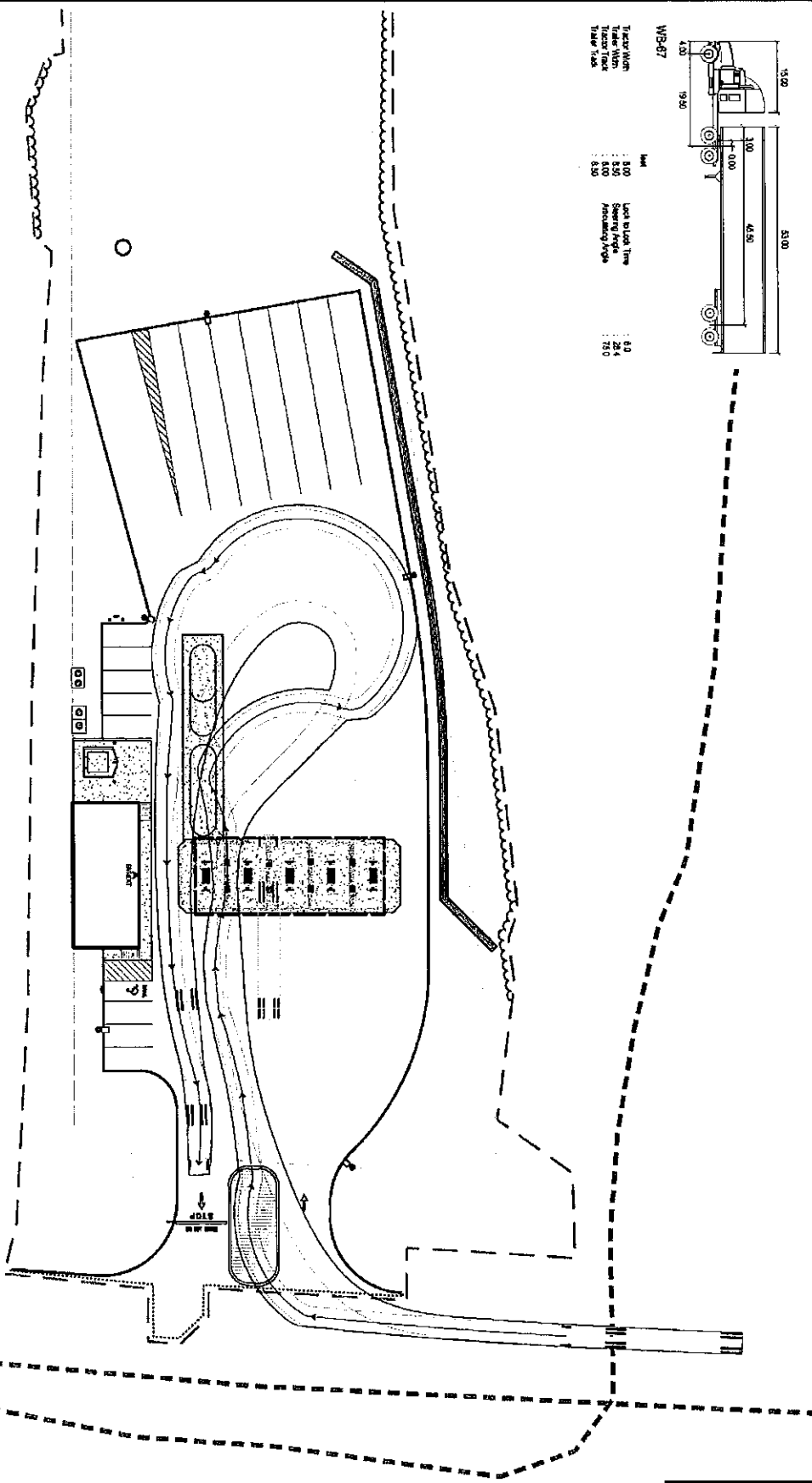
TRUCK TURN
EXHIBIT EX-05
298 AMESBURY STREET
HAVERHILL, MASSACHUSETTS
SCALE 1"=40'
DATE 10/22/04





WB-67

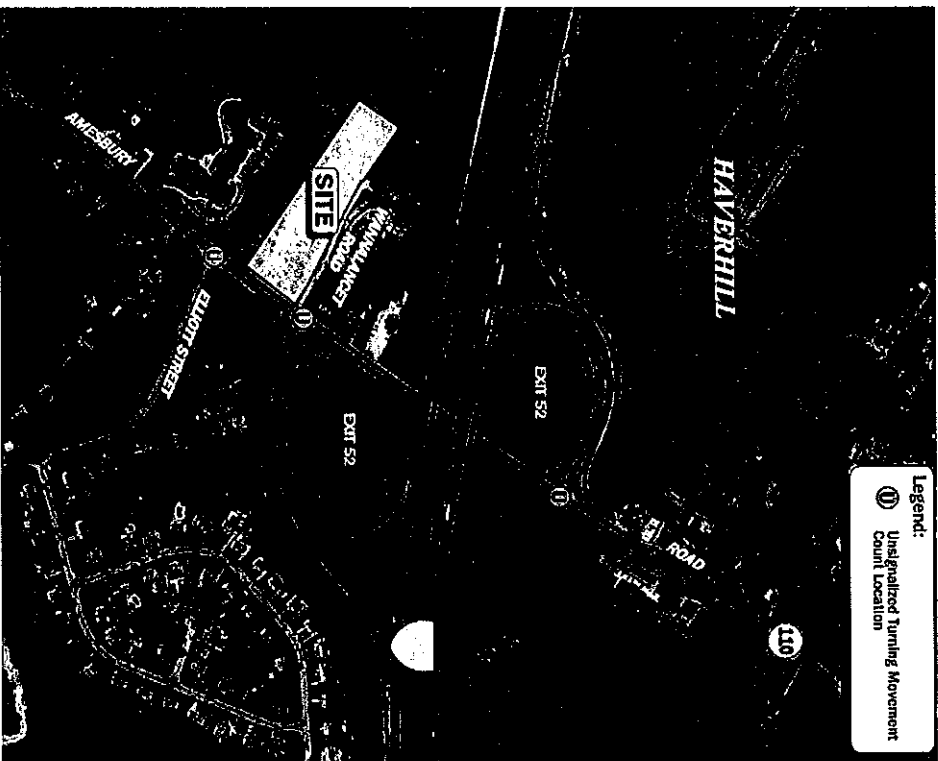
Trailer Width	1.00	Trailer Length	46.50
Trailer Height	15.00	Trailer Weight	19.50
Trailer Type	WB-67	Trailer Code	WB-67



TRUCK TURN
EXHIBIT EX-06
298 AMESBURY STREET
HAVERHILL, MASSACHUSETTS
SCALE 1"=40'
DATE 10/22/24

TIA Study Area

298 Amesbury Road



Items for Study:

Traffic Volumes
Vehicle Speeds
Crash Data
Sight Distances
Trip Generation
Traffic Operations

- Traffic study reviewed traffic counts and project traffic impacts for weekday morning, weekday evening, and Saturday midday time periods.
- Study is consistent with state and local guidelines for preparation of TIA's.
- Trip generation is based on counts of 2 existing comparable facilities.
- Site meets recommendations for sight distance based on observed speeds of 44 mph.

Kayrouz Realty, LLC

Project Trip Generation

298 Amesbury Road

Time Period/ Directional Distribution	Vehicle Trips
Weekday Daily	106
Weekday Morning Peak Hour: Entering <u>Exiting</u> Total	12 <u>11</u> 23
Weekday Evening Peak Hour: Entering <u>Exiting</u> Total	6 <u>6</u> 12
Saturday Daily	46
Saturday Midday Peak Hour: Entering <u>Exiting</u> Total	5 <u>5</u> 10

- Not a truck stop: no showers, no sleeping facilities, no groceries/souvenirs/clothing items, etc.
- Vehicle fueling facility, based on counts of comparable sites in Leominster and Bow
- Most trips are made on way to or from primary location (pass-by).
- Approximately 90% of traffic expected from I-495, 5% of traffic from north and south on Amesbury Road.
- Peak-hour traffic increases range between 2 and 10 trips or 0.1 to 1.4% outside of the study area.

Kayrouz Realty, LLC

Traffic Study Conclusions

298 Amesbury Road



- Minimal traffic increases (less than 1.5%)
- Sight distance exceeds design guide recommendations
- No changes in peak-hour LOS or vehicle queues at study area intersections over No Build conditions
- Comments from City Engineer related to curb cut location, MassDOT permitting, and future business park connection were received and responded to August 2024. City Engineer satisfied with responses as noted in Sep. 15, 2025 posting to city website.
- Applicant will agree to a follow-up study to review traffic impacts and provide a copy of MassDOT Access Permit when obtained.

Kayrouz Realty, LLC

428-628-1
MATT, LLC
73 SEVEN SISTER RD
HAVERHILL, MA 01830contract.

428-628-13C
SDSE EAST BROADWAY LLC
73 SEVEN SISTER RD
HAVERHILL, MA 01830

428-628-4
WHITMAN ARTHUR H
73 SEVEN SISTER RD
HAVERHILL, MA 01830

441-1-14C
SANCHEZ OSCAR M-ETUX
17 SANDLER TER
HAVERHILL, MA 01832

441-1-17
LABRANCHE VICTOR P
30 SHATTUCK ST
HAVERHILL, MA 01830

465-4-5B
KRE-BSL HUSKY HAVERHILL LLC
PO BOX 92129
SOUTHLAKE, TX 76092

428-628-10
GELINAS PHILLIP P
316 AMESBURY RD
HAVERHILL, MA 01830

428-628-2
35 WANNALANCET ROAD REALTY TR
73 SEVEN SISTER RD
HAVERHILL, MA 01830

428-628-5
SDSE EAST BROADWAY LLC
73 SEVEN SISTER RD
HAVERHILL, MA 01830

441-1-14D
KEENAN JAMES B ETUX
255 AMESBURY RD
HAVERHILL, MA 01830

459-2-1
MENNA JOYCE F
26 ELLIOTT STREET
HAVERHILL, MA 01830

465-4-5B1
NORTHERN ESSEX REALTY TRUST
198 SACO AVE
OLD ORCHARD BEACH, ME 04064

428-628-13A
MASS PROP INVES, LLC
P.O. BOX 1115
HAVERHILL, MA 01831

428-628-3
32 WANNALANCET ROAD REALTY TR
73 SEVEN SISTER RD
HAVERHILL, MA 01830

428-628-6
SDSE EAST BROADWAY LLC
73 SEVEN SISTER RD
HAVERHILL, MA 01830

441-1-14E
PEPE MICHELE M
25 ELLIOTT ST
HAVERHILL, MA 01830

465-4-5
EDDY STEVEN J
73 SEVEN SISTER RD
HAVERHILL, MA 01830

298
Amesbury rd
Inflammable
CCSB
B2-4

for
Applicant A

A	B	C	D	E	F	G	H	I	J
ParcelID	StreetNum	StreetName	LocCity	Owner1	BillingAddress	City	State	Zip	
1	428-628-1	23 WANNALANCET RD	HAVERHILL	MATT, LLC	73 SEVEN SISTER RD	HAVERHILL	MA	01830	
2	428-628-10	316 AMESBURY RD	HAVERHILL	GELINAS PHILLIP P	316 AMESBURY RD	HAVERHILL	MA	01830	
3	428-628-13A	330 AMESBURY RD	HAVERHILL	MASS PROP INVES, LLC	P.O. BOX 1115	HAVERHILL	MA	01831	
4	428-628-13C	WANNALANCET RD	HAVERHILL	SDSE EAST BROADWAY LLC	73 SEVEN SISTER RD	HAVERHILL	MA	01830	
5	428-628-2	35 WANNALANCET RD	HAVERHILL	35 WANNALANCET ROAD REALTY TR	73 SEVEN SISTER RD	HAVERHILL	MA	01830	
6	428-628-3	WANNALANCET RD	HAVERHILL	32 WANNALANCET ROAD REALTY TR	73 SEVEN SISTER RD	HAVERHILL	MA	01830	
7	428-628-4	WANNALANCET RD	HAVERHILL	WHITMAN ARTHUR H	73 SEVEN SISTER RD	HAVERHILL	MA	01830	
8	428-628-5	WANNALANCET RD	HAVERHILL	SDSE EAST BROADWAY LLC	73 SEVEN SISTER RD	HAVERHILL	MA	01830	
9	428-628-6	WANNALANCET RD	HAVERHILL	SDSE EAST BROADWAY LLC	73 SEVEN SISTER RD	HAVERHILL	MA	01830	
10	441-1-14C	253 AMESBURY RD	HAVERHILL	SANCHEZ OSCAR M-ETUX	17 SANDLER TER	HAVERHILL	MA	01832	
11	441-1-14D	255 AMESBURY RD	HAVERHILL	KEENAN JAMES B-ETUX	255 AMESBURY RD	HAVERHILL	MA	01830	
12	441-1-14E	25 ELLIOTT ST	HAVERHILL	PEPE MICHELE M	25 ELLIOTT ST	HAVERHILL	MA	01830	
13	441-1-17	AMESBURY RD	HAVERHILL	LABRANCHE VICTOR P	30 SHATTUCK ST	HAVERHILL	MA	01830	
14	459-2-1	26 ELLIOTT ST	HAVERHILL	MENNAJOYCE F	26 ELLIOTT STREET	HAVERHILL	MA	01830	
15	465-4-5	298 AMESBURY RD	HAVERHILL	EDDY STEVEN J	73 SEVEN SISTER RD	HAVERHILL	MA	01830	
16	465-4-58	254 AMESBURY RD	HAVERHILL	KRE-BSL HUSKY HAVERHILL LLC	PO BOX 92129	SOUTHLAKE	TX	76092	
17	465-4-581	AMESBURY RD	HAVERHILL	NORTHERN ESSEX REALTY TRUST	198 SACO AVE	OLD ORCHARD BEACH	ME	04064	

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CITY OF HAVERHILL
4 SUMMER STREET • RM 115
HAVERHILL, MA 01830-5843

Do not copy

Maria Bevilacqua

From: Kaitlin Wright
Sent: Monday, July 7, 2025 2:05 PM
To: hglegals@hgazette.com
Cc: Maria Bevilacqua; Kaitlin Wright
Subject: Legal Ad- 298 Amesbury Rd Inflammable Sept 4 and Sept 11, 2025
Attachments: 298 Amesbury Rd CCSP-22-4 PDF.pdf

Good afternoon,

Please run this legal ad: (1) CCSP-22-4 298 Amesbury Rd Inflammable Storage for two (2) time in the Gazette on September 4 and September 11, 2025 (See attached).

Any questions, please call 978-420-3622. Thank you!

All my best,

Kaitlin

Kaitlin M. Wright, CMC

City Clerk

4 Summer Street, Room 118

Office: (978) 374-2312

Fax: (978) 373-8490

kwright@haverhillma.gov



VERIFY YOUR VOTER STATUS HERE: <https://www.sec.state.ma.us/ovr/>



[Check your Massachusetts Voter Registration Status!](https://www.sec.state.ma.us/ovr/)



Haverhill

City Clerk's Office, Room 118
Phone: 978-374-2312 Fax: 978-373-8490
cityclerk@haverhillma.gov

new
AD

July 23, 2025

PUBLIC HEARING

City Council Chambers, City Hall, Room 202, 4 Summer st

Notice is hereby given that the following application for a license to store, keep, and use INFLAMMABLE LIQUIDS has been made to the City Clerk and the City Council will conduct a hearing for all parties interested, in a hybrid meeting (virtual/in person), on Tuesday, September 23, 2025; at 7:00 PM. This notice is given under the provisions of Chapter 148 of the General Laws - Steven J Eddy; requesting to store 20,000 gallons of diesel fuel and 2,500 gallons of Diesel Exhaust Fluid at proposed fueling station to be stored underground at 298 Amesbury Rd.

(Residents who are interested in commenting on this item can either (1) Attend in person (Council Chambers, Room 202) or (2) Attend remotely using the link provided on the public meeting calendar on the City's website.)

Description of area, maps and plans are on file in the City Clerk's Office.

Advertise: September 4 & September 11, 2025
Haverhill Gazette

Kaitlin M. Wright

Kaitlin M, Wright, CMC
City Clerk



CITY OF HAVERHILL, MASSACHUSETTS

NOTICE OF DECISION

YOU ARE HEREBY NOTIFIED OF THE DECISION OF THE CITY COUNCIL ON THE APPLICATION OF:

STEVEN J. EDDY, OWNER

APPLICANT AND OWNER (IF DIFFERENT)

for property located at:

298 AMESBURY ROAD

SITE LOCATION, ASSESSOR'S MAP, BLOCK, PARCEL NUMBERS

which was filed with the City Clerk on August 9, 2022 as signified by the City Clerk's date stamp.

DATE

The Council, as authorized by Section 15, Chapter 40A of the M.G.L. held a PUBLIC HEARING on:

JULY 26, 2022

DATE OF HEARING (CONTINUANCE IF APPLICABLE)

The Council voted to ~~GRANT~~ / **DENY** said application.

Vote on Special Permit **WITH/WITHOUT** Conditions **FAILED**

	YES	NO	ABSENT
PRESIDENT JORDAN			ABSTAIN
COUNCILLOR MICHITSON		X	
COUNCILLOR BARRETT		X	
COUNCILLOR BEVILACQUA		X	
COUNCILLOR SULLIVAN		X	
COUNCILLOR LEWANDOWSKI		X	
COUNCILLOR MCGONAGLE			ABSTAIN
COUNCILLOR ROGERS			X
COUNCILLOR TOOHEY	X		

See attachments for reasons for decision of the City Council.*

An appeal of this Decision shall be made pursuant to Section 17 of Chapter 40A, MGL, and shall be filed with Superior or District Court within twenty (20) days after the date of filing of the above cited decision with the Office of the City Clerk. Procedural appeals shall be taken in accordance with Section 17 of Chapter 40A, MGL.

August 9, 2022
DATE

Timothy J. Jordan
CITY COUNCIL PRESIDENT

*Record of evidence and detailed record of proceedings of the City Council hearing have been filed with the City Clerk and are incorporated herein by reference and considered a part hereof.

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Vice President

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Joseph J. Bevilacqua

Thomas J. Sullivan

Melissa J. Lewandowski

Michael S. McGonagle

Catherine P. Rogers

Shaun P. Toohey



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APPLICATION FOR SPECIAL PERMIT

DOCUMENT 57, CCSP-22-4

STEVEN J. EDDY, OWNER

298 AMESBURY ROAD

JULY 26, 2022

DOC. 57 – SUMMARY MINUTES OF A SPECIAL PERMIT IN-PERSON AND HYBRID HEARING HELD ON JULY 26, 2022 FOR APPLICATION FROM STEVEN J. EDDY, OWNER, FOR CCSP-22-4 FOR INFLAMMABLE LICENSE FOR DIESEL FUELING STATION PROPOSED AT 298 AMESBURY ROAD

SUBJECT: Document 57; CCSP-22-4: Application from Steven J. Eddy, Owner, for inflammable license for diesel fueling station proposed at 298 Amesbury Road – 32,000 gallons of diesel fuel to be stored underground.

Present: President Timothy Jordan, Councillor Joseph Bevilacqua, Councillor Thomas Sullivan, Councillor John Michitson, Councillor Melissa Lewandowski, Councillor Michael McGonagle, and Councillor Shaun Toohey.

Attending Remotely: Councillor Melinda Barrett

Absent: Councillor Catherine Rogers.

Assistant City Clerk Kaitlyn Wright: Document 57; CCSP-22-4: Application for Inflammable license from Steven J. Eddy for the diesel fueling station proposed at 298 Amesbury Road – 32,000 gallons of diesel fuel to be stored underground. *Comments from City Departments are included. Related communication from William Pillsbury, Economic Development and Planning Director.*

President Jordan announced after speaking with City Solicitor Cox, he will be abstaining from the hearing due to his role on the Greater Haverhill Foundation Executive Committee. Council Vice President Michitson will run the hearing.

Councillor McGonagle was also advised to abstain from the hearing due to his ownership of an abutting property.

President Michitson opened the special permit hearing.

Michael Migliori, offices at 18 Essex Street Haverhill, I represent the applicant Steven Eddy in connection with the license to store flammables at 298 Amesbury Road. Mr. Eddy is here this evening

CITY COUNCIL**Timothy J. Jordan***President***John A. Michitson***Vice President***Melinda E. Barrett****Joseph J. Bevilacqua****Thomas J. Sullivan****Melissa J. Lewandowski****Michael S. McGonagle****Catherine P. Rogers****Shaun P. Toohey**

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and available. My hope is to extricate this license request from a rabbit hole it seems to have fallen in. Request for a flammable storage license in Haverhill has always been more of a ministerial act by the Council. Deference has always been given to the Fire Department which is tasked by Mass General Laws to endorse the application with their approval or disapproval. That's the language from the statute and the application. The application before you is signed by Eric Tarpy as head of the Fire Department, and it states that he endorses the application with his approval as long as all local, state, and federal regulations are met and constructed and designed with sound engineering practices. Which we have done. We have met all the requirements locally, state wise and federal wise and therefore the license should be approved by the Council. It is my opinion that there exists no legal reason that allows the Council not to approve the license application.

I would like to go back in time and discuss with the Council what has gone on prior to this evening and prior to the application for the license. The applicant in November of 2019 started the development review process also referred to as site plan approval process with the City for the construction of a diesel fueling facility and a convenience store at the 298 Amesbury Road location. The site is zoned for this use and therefore as long as it's built in compliance with local zoning ordinances it is allowed by right. Some 19-months of reviews were conducted by all city departments in connection with the project. We're talking about building inspector, conservation, engineering, fire, health department, police, plumbing, stormwater, wastewater, water, building...every department in the building. All the departments I just cited, signed off and approved the project as designed and at a great expense I might add. The engineering and site work expenses are absorbent. The applicant has actually paid for the building permit. Some \$18,000 has been paid to the City of Haverhill, check has cleared and can't do that without having received all the required department approvals after an almost two years in depth review by the city. The final step by the applicant is to apply for the storage tank license. This is where things fell off the rails and went down that rabbit hole I mentioned earlier. For reasons still not clear to me, the applicant was told the process for the license for storage tanks was to be submitted to the City's online portal as a request for a Special Permit to get the license. This was clearly a mistake, this is not a Special Permit, it's a license similar to hawk and peddler license or a hot dog cart license or any other licenses the City Council issues routinely. Simultaneously with our application for the license, the Planning Department was working on creating a new industrial park on land abutting this parcel. Mr. Pillsbury presented that proposal to the Council fairly recently. You are all familiar with it. The Council approved the new zoning district and cleared the way for that land to be developed into the new industrial park. With that proposal, Mr. Pillsbury, as you are aware, is planning on getting an in-depth traffic study performed with the intent on having traffic improvements and lights in the area servicing the new industrial park. The land for the proposed industrial park is owned, as you are aware, by a few different owners, Mr. Eddy being one of those owners. The City through the Haverhill Foundation was negotiating with those owners to buy their

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parcels. Just for the record, I am not involved in any of that piece. Mr. Pillsbury asked to meet with Mr. Eddy, myself, our engineer, and the developer back on May 11th to discuss our project and the new industrial park project because our, Mr. Eddy's parcel, about the proposed park. We had a very good meeting with Mr. Pillsbury and one of the things discussed was his request for us to change our ingress and egress from Amesbury Road if or when the new access road from the industrial park was built. We all agreed that made perfect sense, we had no objection to that. It being clear by everybody in the room that day, that until that road was put in our access would have to be Amesbury Road as per the approved site plans that again every city department signed off. Mr. Pillsbury also encouraged Mr. Eddy to continue to discuss the sale of his land to the Haverhill Foundation with the hopes of it having it incorporated with the proposed park. Mr. Eddy agreed, the engineers all agreed, that all made perfect sense as well for his land to become part of the park and agreed to continue to work with the Haverhill Foundation and we left. The original hearing date, I believe for this license, went back to April. We were asked by Mr. Pillsbury to continue the hearing while he continued to work on matters that really didn't involve us, but more related to the proposed new park. We agreed to the continuances. Mr. Eddy continued to try and work with the Haverhill Foundation regarding their purchase of his property. Apparently, there is a difference of opinion as to the value of his land between the buyer and the seller. Apparently, there is not much headway being made there. Suddenly at the last minute, we received this push back in the last couple of days. Councillors received some correspondence tonight. Councillors, as I stated earlier, I believe you have no legal justification to disapprove the license request. I am not sure what is going on behind the scenes, but I think something is. I am asking you to do the right thing. There is no legal position to deny this permit. With that I ask that you approve the permit as submitted.

President Michitson asked if anyone would like to speak in favor? No one spoke.

President Michitson asked if anyone would like to speak in opposition?

Joyce Menna, 26 Elliott Street, Haverhill. I am an abutter, and I am completely against this. These underground storage tanks, as you may know, are the biggest threat to the water supply and the proximity to the Kenoza Reservoir, the wetlands, that whole area it's just a really bad idea. They are also highly flammable; they release chemicals into the air which can cause cancer and there is actually no safe level of exposure to these chemicals if they are released. I mean we all know the risk of underground leaking of these tanks. In case you don't know, one gallon of petroleum can contaminate 1 million gallons of water. Which is a very scary thing. Besides which, the traffic issue out there is horrendous. We are having accidents all the time at the intersection of Elliott and Amesbury Road and also coming off the exit ramp of 495. I cannot imagine how trucks, big giant trucks, are going to impact this area. We have Northern Essex Community College, it's just a very difficult traffic area. I think the whole thing is a very bad idea.

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**President Michitson asked if anyone else opposed would like to speak or online? No one spoke.
President Michitson closed the hearing.**

Motion by Councillor Sullivan to move for passage with all the recommendations and conditions of the city departments, second by Councillor Toohey.

Michael Migliori: Just to be clear, I am not sure which conditions you are talking about because some of the correspondence calls for certain things, other correspondence calls for different things and conflict with what...for example, the City Engineer said access on Amesbury Road is okay until such time as the part of the road serving the industrial park is built. Which we agree with and that was our agreement all along. Mr. Pillsbury was in agreement with that position until Friday afternoon when he submitted his letter. Seems to have taken a different position. You need to understand if there is a condition placed on this that access will only be allowed when the industrial park road is built, this project can't go forward. I think we need to be clear on what exactly it is that you are voting on. If the contingency is in your vote that there won't be any ingress or egress on Amesbury Road, the only egress is going to be on some fictional road that doesn't exist and may not exist. I think that if that industrial park can somehow be fast-tracked, you're still talking years away in reality for a road. We need some clarification for everybody's protection.

Councillor Sullivan: I would like to clarify, we want to say we will *move for passage with the condition that the project would not move forward until there is an access road on Elliott Street*, I would support that motion. That would clarify that matter because I don't want to see access from Amesbury Road ever for this particular purpose. That would be my motion.

President Michitson asked if there was a second.

Councillor Lewandowski: Second

Councillor Lewandowski: Attorney Migliori, I saw in here that you had indicated that you were continuing to work with the city regarding proposed infrastructure improvements in the area. Can you explain what you have done?

Attorney Migliori: This all goes to the new industrial park that came upon us just within two or three months. We didn't have any knowledge about it and quite honestly, I don't know where that is at. As I said there are few land owners out there. I don't know if property has been sold, bought or purchase and sales agreements; I have no idea I am not involved in that. Our interaction with the city has been agreeing

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to relocate the ingress and egress. Mr. Eddy has agreed to work with the city, even if his land doesn't become part of the what the Haverhill Foundation buys, if they buy anything, to work with them to provide additional infrastructure improvements. The engineers supposedly have been meeting. We have instructed our engineers to meet with whomever the city is using. And again, I am not involved in those aspects. We have agreed to relocate the ingress and egress if and when there is a new road.

Councillor Lewandowski: The issue that I am getting at is there is going to be a potential impact on multiple levels there that is speculative to a certain degree because we don't know about that, those things that you are talking about.

Attorney Migliori: Nobody does.

Councillor Lewandowski: Right. But there also hasn't been a traffic study done in that area. There hasn't been a referral to the Board of Health to come up with some regulations which is very typical when licenses like these are sought. I feel like, for me, those things have to be vetted before it would be a vote.

Attorney Migliori: The Board of Health was involved in the site plan process.

Councillor Lewandowski: Involved but at the beginning. This is going to be storage for years.

Attorney Migliori: That is where the details are Councillor Lewandowski. The details are worked out in the site plan and review process. That's where you get into the weeds. If you saw the amount of engineering work that has been submitted in the 19-months it's taken for all the city departments to review it. To say right now we need more department review, I don't think is accurate. They have had 19-months and they have all looked at it in great detail.

Councillor Lewandowski: Right, but the details of inspection going forward on a significant amount of diesel fuel that's being stored underground has not been vetted.

Attorney Migliori: They're all in place.

Councillor Lewandowski: There are no regulations on our local Board of Health, absolutely not.

Attorney Migliori: The city has Mass General Laws and Federal Laws on that.

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Councillor Lewandowski: Yes they do, 148, but it also specifically in the Mass General Laws says “the Marshall shall establish rules and regulations providing for the inspection of tanks or containers on an annual basis or such other frequency as determined by the Marshall” and that is usually done in concurrence with some type of local promulgation by the Board of Health regarding with what that’s going to look like. Because otherwise you are just leaving it to the state, maybe on an annual basis, maybe not. Those are the things that concern me.

Attorney Migliori: It is done here annually by the Fire Department Fire Marshall. They inspect, they have to, every underground storage tank.

Councillor Lewandowski: There are a lot more details that go into inspecting. As you know, the Federal Law has changed recently regarding regulations. And the Mass DEP is usually involved, correct? That is my understanding.

Attorney Migliori: Um, the Commonwealth of Mass is involved in the final approval.

Councillor Lewandowski: Well the Mass DEP rules were rescinded in 2015, I believe, and they incorporated recent federal requirements. I do not know if those are in accordance with our Marshall does on an annual basis. I don’t know the answers to those questions. Maybe they are. But that is what I am saying. Without answers to those questions, I don’t have more information to give you for a vote. Thank you.

Councillor Barrett: Earlier this was postponed because I thought the applicant was doing a traffic study for the area, the 110 area Elliot Street. Is that not the case?

Attorney Migliori: That is not the case. The city is doing a far more detailed and in-depth traffic study as a result of the proposed industrial park. It didn’t make sense.

Councillor Barrett: So, you guys just forgo with that and are waiting on the city’s study?

Attorney Migliori: Again, here’s where things got a little odd in my opinion. Police Department was one of those departments that was involved in the 19-month site plan review process and signed off on it without any conditions. It wasn’t until very recently when the license permit for storage tanks was requested that the Police Department thought a traffic study would be a good idea. I have never seen a traffic study requested with a request for a storage, request for a license for storage tank. When projects are developed, I’ve seen many requests for traffic studies. That was, if there was reason to have a traffic

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study, it should have been during that 19-month site review process and during that process nobody seemed to think a traffic study made sense.

Councillor Barrett: I mean didn't we request a traffic study from the marijuana store that opened two stores down earlier?

Attorney Migliori: I am not sure, you may have.

Councillor Barrett: It just seems like generally we do.

Attorney Migliori: I don't know I wasn't involved with that.

Councillor Barrett: Thank you.

President Michitson: Madam Clerk please call the roll.

Assistant City Clerk Wright: Councillor Barrett-no, Councillor Bevilacqua-no, Councillor Sullivan-no, Councillor Lewandowski-no, Councillor Toohey-yes, President Michitson-no, 1 Yea, 6 Nays, 2 Abstain (Jordan, McGonagle) 1 Absent (Rogers)

President Michitson: Failed.

Respectfully submitted,

Laurie A. Brown
Administrative Assistant

August 9, 2022

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**REASON FOR VOTE
DOCUMENT 57, CCSP-22-4
STEVEN J. EDDY, OWNER
298 AMESBURY ROAD
JULY 26, 2022**

President Jordan: I abstained due to my role on the Executive Committee of the Greater Haverhill Foundation.

Councillor Michitson: I voted against because the requirements were not met.

Councillor Barrett: I voted against because the access and traffic issue was not finalized or completed to a necessary stage or conclusion at this application stage.

Councillor Bevilacqua: I voted no to the application. The application did not include a traffic study for road conditions with the additional entrances and exits of proposed fueling station.

Councillor Sullivan: I voted against the special license because I do not believe it is in the best interests of the city, and especially the rural neighborhood including an assisted living residence abutter to allow a diesel gas station. This would result in a negative impact to the neighborhood.

Councillor Lewandowski: I voted against because the use will have an adverse impact on the neighborhood and does not conform with the surrounding neighborhood setting.

Councillor McGonagle: Abstain.

Councillor Rogers: Absent.

Councillor Toohey: I voted in favor because the project an allowed use according to zoning.

428-628-1
MATT, LLC
71 SEVEN SISTER RD
HAVERHILL, MA 01830

428-628-10
GELINAS PHILLIP P
316 AMESBURY RD
HAVERHILL, MA 01830

428-628-13A
MASS PROP INVES, LLC
P.O. BOX 1115
HAVERHILL, MA 01831

428-628-13C
SDSE EAST BROADWAY LLC
71 SEVEN SISTER RD
HAVERHILL, MA 01830

428-628-2
35 WANNALANCET ROAD REALTY TR
71 SEVEN SISTER RD
HAVERHILL, MA 01830

428-628-3
32 WANNALANCET ROAD REALTY TR
71 SEVEN SISTER RD
HAVERHILL, MA 01830

428-628-4
WHITMAN ARTHUR H
71 SEVEN SISTER RD
HAVERHILL, MA 01830

428-628-5
SDSE EAST BROADWAY LLC
71 SEVEN SISTER RD
HAVERHILL, MA 01830

428-628-6
SDSE EAST BROADWAY LLC
71 SEVEN SISTER RD
HAVERHILL, MA 01830

441-1-14D
KEENAN JAMES B ETUX
255 AMESBURY RD
HAVERHILL, MA 01830

441-1-17
LABRANCHE VICTOR P
30 SHATTUCK ST
HAVERHILL, MA 01830

459-2-1
MENNA JOYCE F
26 ELLIOTT STREET
HAVERHILL, MA 01830

465-4-5
EDDY STEVEN J
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465-4-5B
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SOUTHLAKE, TX 76092

465-4-5B1
NORTHERN ESSEX REALTY TRUST
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OLD ORCHARD BEACH, ME 04064

Atty Migliori
18 Essex St
Haverhill, MA
01832

Lucien M. DiStefano
Bohler Engineering
352 Turnpike Rd
Southborough, MA
01772

Lauren Sagasser
42 Hancock Rd
Franklin, MA 02038

Johnny Kayrouz
16 East Main St
Westborough, MA 01581

(notice of
decession
mailed 8-15-22)

Joyce Menna
26 Elliott St.
Haverhill, MA 01830

LP-gas (Complete this section for the storage of LP-gas or propane)

Indicate the maximum quantity of LP-gas to be stored and the sizes and capacities of all storage containers. (See 527 CMR 1.00 Table 1.12.8.50)

❖ Maximum quantity (in gallons) of LP-gas to be stored in aboveground containers: _____

List sizes and capacities of all aboveground containers used for storage: _____

❖ Maximum quantity (in gallons) of LP-gas to be stored in underground containers: _____

List sizes and capacities of all underground containers used for storage: _____

Total aggregate quantity of all LP-gas to be stored: _____

Fireworks (Complete this section for the storage of fireworks)

Indicate classes of fireworks to be stored and maximum quantity of each class. (See 527 CMR 1.00 Table 1.12.8.50)

❖ Maximum amount (in pounds) of Class 1.3G: _____ Type/class of magazine used for storage: _____

❖ Maximum amount (in pounds) of Class 1.4G: _____ Type/class of magazine used for storage: _____

❖ Maximum amount (in pounds) of Class 1.4: _____ Type/class of magazine used for storage: _____

Total aggregate quantity of all classes of fireworks to be stored: _____

Explosives (Complete this section for the storage of explosives)

Indicate classes of explosive to be stored and maximum quantity of each class. (See 527 CMR 1.00 Table 1.12.8.50)

❖ Maximum amount (in pounds) of Class 1.1: _____ Number of magazines used for storage: _____

❖ Maximum amount (in pounds) of Class 1.2: _____ Number of magazines used for storage: _____

❖ Maximum amount (in pounds) of Class 1.3: _____ Number of magazines used for storage: _____

❖ Maximum amount (in pounds) of Class 1.4: _____ Number of magazines used for storage: _____

❖ Maximum amount (in pounds) of Class 1.5: _____ Number of magazines used for storage: _____

❖ Maximum amount (in pounds) of Class 1.6: _____ Number of magazines used for storage: _____

I, Johnny Kayrouz, hereby attest that I am authorized to make this application. I acknowledge that the information contained herein is accurate and complete to the best of my knowledge and belief. I acknowledge that all materials stored pursuant to any license granted hereunder must be stored or kept in accordance with all applicable laws, codes, rules and regulations, including but not limited to Massachusetts Chapter 148, and the Massachusetts Fire Code (527 CMR 1.00). I further acknowledge that the storage of any material specified in any license granted hereunder may not exceed the maximum quantity specified by the license.

Signature J. Kayrouz Date 03/24/2022 Name Johnny Kayrouz

Fire Department Use Only

I, ERIC M. TAPY, Head of the HAVERHILL Fire Department endorse this application with my

☒ Approval ☐ Disapproval

DK [Signature]
Signature of Head of the Fire Department

3/28/22
Date

Recommendations:

Approved as long as all State and Federal regulations, local ordinances are met, Construct and design with Sound Engineering Practices

51

KAREN L. FIORELLO
kfiorello@fimilaw.com

FIORELLO & MIGLIORI
ATTORNEYS AT LAW

FIREHOUSE CONDOMINIUMS
18 ESSEX STREET
HAVERHILL, MASSACHUSETTS 01832
TEL 978/373-3003 FAX 978/373-3066

MICHAEL J. MIGLIORI
mmigliori@fimilaw.com

May 19, 2022

Haverhill City Council
4 Summer St, Room 204
Haverhill, MA 01830

Attn: Linda Koutoulas, City Clerk

Re: Hearing Continuance Request
Flammable Storage License Application
298 Amesbury Road

Dear President Jordan,

Please be advised that I am requesting a continuance of the hearing scheduled for May 24, 2022, on the above matter until **June 21, 2022**.

We are continuing to work with the City regarding proposed infrastructure improvements in the area and the continuance would be helpful in that regard.

Sincerely yours,

Michael J. Migliori

MJM/dma

cc: Planning Director Pillsbury

IN CITY COUNCIL: May 24 2022
CONTINUED TO JUNE 21 2022

Attest:

City Clerk

IN CITY COUNCIL: July 26 2022
NOT PASSED

Attest:

City Clerk

IN CITY COUNCIL: June 21 2022
CONTINUED TO July 26 2022

Attest:

City Clerk

HAU CITY CLERK MAY 19/22 @ 8:37

57

FIORIELLO & MIGLIORI
ATTORNEYS AT LAW

KAREN L. FIORELLO
kfiorello@fimilaw.com

FIREHOUSE CONDOMINIUMS
18 ESSEX STREET
HAVERHILL, MASSACHUSETTS 01832
TEL 978/373-3003 FAX 978/373-3066

MICHAEL J. MIGLIORI
mmigliori@fimilaw.com

June 16, 2022

Haverhill City Council
4 Summer St, Room 204
Haverhill, MA 01830

Attn: Linda Koutoulas, City Clerk

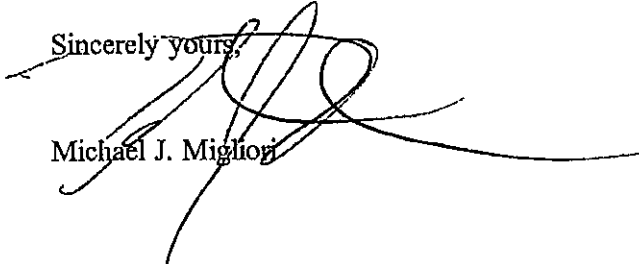
Re: Hearing Continuance Request
Flammable Storage License Application
298 Amesbury Road

Dear President Jordan,

Please be advised that I am requesting a continuance of the hearing scheduled for June 21, 2022, on the above matter until **July 26, 2022**.

We are continuing to work with the City regarding proposed infrastructure improvements in the area and the continuance would be helpful in that regard.

Sincerely yours,


Michael J. Migliori

MJM/dma

cc: Planning Director Pillsbury

copy

51

FIORIELLO & MIGLIORI ATTORNEYS AT LAW

KAREN L. FIORELLO
kfiorello@fimilaw.com

FIREHOUSE CONDOMINIUMS
18 ESSEX STREET
HAVERHILL, MASSACHUSETTS 01832
TEL 978/373-3003 FAX 978/373-3066

MICHAEL J. MIGLIORI
mmigliori@fimilaw.com

May 19, 2022

HAV CITY CLERK MAY 19 2022 PM 8:37

Haverhill City Council
4 Summer St, Room 204
Haverhill, MA 01830

Attn: Linda Koutoulas, City Clerk

Re: Hearing Continuance Request
Flammable Storage License Application
298 Amesbury Road

Dear President Jordan,

Please be advised that I am requesting a continuance of the hearing scheduled for May 24, 2022, on the above matter until **June 21, 2022**.

We are continuing to work with the City regarding proposed infrastructure improvements in the area and the continuance would be helpful in that regard.

Sincerely yours,

Michael J. Migliori

MJM/dma

cc: Planning Director Pillsbury

IN CITY COUNCIL: May 24 2022
CONTINUED TO JUNE 21 2022

Attest:

City Clerk

**Michael Picard**

Remove Comment • Mar 29, 2022 at 8:08 am

The
Fire Department has signed the application for the License to store a
Class II
Combustible Liquid. Once through Council the Fire Department will review
submitted documents regarding the diesel distribution pump layout and
suppression system before it is sent to the MA State Fire Marshal.

This step was assigned to Michael Picard - Mar 28, 2022 at 3:07 pm

Michael Picard approved this step - Mar 29, 2022 at 8:08 am



City of Haverhill, MA

04/21/2022

CCSP-22-4

Fire2 Department Review

City Council Special Permit

Status: Complete

Became Active: 03/28/2022

Assignee: Michael Picard

Completed: 03/29/2022

Applicant

Lauren Sagaser
lsagaser@bohlereng.com
42 Hancock Road
Franklin, MA 02038
5085170185

Location

298 AMESBURY RD
Haverhill, MA 01830

Owner:

EDDY STEVEN J
71 SEVEN SISTER RD HAVERHILL, MA 01830

Comments

Michael Picard, Mar 29, 2022 at 8:08am

The Fire Department has signed the application for the License to store a Class II Combustible Liquid. Once through Council the Fire Department will review submitted documents regarding the diesel distribution pump layout and suppression system before it is sent to the MA State Fire Marshal.



Related communication
Haverhill

Economic Development and Planning
Phone: 978-374-2330 Fax: 978-374-2315
wpillsbury@cityofhaverhill.com

10.2

July 22, 2022

MEMO TO: City Council President Timothy Jordan and Members of the Haverhill City Council
FROM: William Pillsbury Economic Development and Planning Director

RE: Traffic Study to create new Business Park

I am aware that you have the request for a special permit (CCSP-22-4) for underground tank installation back on the agenda for the meeting of July 26th. Please be advised that the City will be undertaking a comprehensive traffic study for the new intersection to be created for the business park at the intersection with Elliot street.

We have spoken to the applicant for the tank permit and informed them that they will not be able to access the site directly from route 110 but their access will come from the new access road. Their site plan approval is on hold until they submit revised plans showing access off of the new road. They have indicated that their engineer will cooperate with our study and revise the access in compliance with the study and roadway design.

We are commencing this much more comprehensive traffic study immediately and as such I have advised the Police chief and he concurs that a second study by the applicant will not be necessary as all of the necessary analysis will be done under it.

Should the tank project be approved, its access of the new road instead of directly off route 110 will result in a safer traffic situation than the original proposal.

Thank you.



City of Haverhill, MA

04/21/2022

CCSP-22-4

Wastewater Review

City Council Special Permit

Status: Complete**Assignee:** Robert Ward**Became Active:** 03/28/2022**Completed:** 03/31/2022

Applicant

Lauren Sagaser
lsagaser@bohlereng.com
42 Hancock Road
Franklin, MA 02038
5085170185

Location

298 AMESBURY RD
Haverhill, MA 01830

Owner:

EDDY STEVEN J
71 SEVEN SISTER RD HAVERHILL, MA 01830

Comments

Robert Ward, Mar 31, 2022 at 3:54pm

The applicant is seeking a Flammable Storage License. The Wastewater Division has no relevant comment.



City of Haverhill, MA

04/21/2022

CCSP-22-4

Water Department Review

City Council Special Permit

Status: Complete

Assignee: Robert Ward

Became Active: 03/28/2022

Completed: 03/31/2022

Applicant

Lauren Sagaser
lsagaser@bohlereng.com
42 Hancock Road
Franklin, MA 02038
5085170185

Location

298 AMESBURY RD
Haverhill, MA 01830

Owner:

EDDY STEVEN J
71 SEVEN SISTER RD HAVERHILL, MA 01830

Comments

Robert Ward, Mar 31, 2022 at 3:54pm

The applicant is seeking a Flammable Storage License. The Water Division has no relevant comment.



City of Haverhill, MA

04/21/2022

CCSP-22-4

Water Supply Review

City Council Special Permit

Status: Complete

Assignee: Robert Ward

Became Active: 03/28/2022

Completed: 03/31/2022

Applicant

Lauren Sagaser
lsagaser@bohlereng.com
42 Hancock Road
Franklin, MA 02038
5085170185

Location

298 AMESBURY RD
Haverhill, MA 01830

Owner:

EDDY STEVEN J
71 SEVEN SISTER RD HAVERHILL, MA 01830

Comments

Robert Ward, Mar 31, 2022 at 3:56pm

The location is not within the Water Supply Protection Overlay District.



City of Haverhill, MA

04/21/2022

CCSP-22-4

Conservation Department Review

City Council Special Permit

Status: Complete

Became Active: 03/28/2022

Assignee: Robert Moore

Completed: 03/31/2022

Applicant

Lauren Sagaser
lsagaser@bohlereng.com
42 Hancock Road
Franklin, MA 02038
5085170185

Location

298 AMESBURY RD
Haverhill, MA 01830

Owner:

EDDY STEVEN J
71 SEVEN SISTER RD HAVERHILL, MA 01830

Comments

Robert Moore, Mar 31, 2022 at 7:21pm

N/A. Project located outside Conservation Commission jurisdiction.



City of Haverhill, MA

04/21/2022

CCSP-22-4

Storm Water Review

City Council Special Permit

Status: Complete**Assignee:** Robert Moore**Became Active:** 03/28/2022**Completed:** 03/31/2022

Applicant

Lauren Sagaser
lsagaser@bohlereng.com
42 Hancock Road
Franklin, MA 02038
5085170185

Location

298 AMESBURY RD
Haverhill, MA 01830

Owner:

EDDY STEVEN J
71 SEVEN SISTER RD HAVERHILL, MA 01830

Comments

Robert Moore, Mar 31, 2022 at 7:22pm

N/A. Stormwater management system designed to contain & treat runoff on-site. No discharge to MS4.



City of Haverhill, MA

04/21/2022

CCSP-22-4

Building Inspector Approval for Agenda

City Council Special Permit

Status: Complete

Became Active: 03/28/2022

Assignee: Tom Bridgewater

Completed: 04/19/2022

Applicant

Lauren Sagaser
lsagaser@bohlereng.com
42 Hancock Road
Franklin, MA 02038
5085170185

Location

298 AMESBURY RD
Haverhill, MA 01830

Owner:

EDDY STEVEN J
71 SEVEN SISTER RD HAVERHILL, MA 01830

Comments

Tom Bridgewater, Apr 19, 2022 at 10:58am

a foundation permit is being held up from being issued until this application is approved.



City of Haverhill, MA

04/21/2022

CCSP-22-4

Police Department Review

City Council Special Permit

Status: On Hold**Assignee:** Kevin Lynch**Became Active:** 03/28/2022**Completed:** 04/20/2022

Applicant

Lauren Sagaser
lsagaser@bohlereng.com
42 Hancock Road
Franklin, MA 02038
5085170185

Location

298 AMESBURY RD
Haverhill, MA 01830

Owner:

EDDY STEVEN J
71 SEVEN SISTER RD HAVERHILL, MA 01830

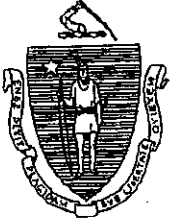
Comments

Kevin Lynch, Apr 19, 2022 at 11:33am

The Police Department has signed the application for the License to store a Class II Combustible Liquid. The Police Department is still looking for a traffic study to determine the impact on the roadway and the local residents for final approval.

CC Sp 22-4 Hearing April 26, 2022

copy

FP-002A
(Rev. 1.2018)

The Commonwealth of Massachusetts
City/Town of Haverhill

Application For License

Massachusetts General Law, Chapter 148 §13

☒ New License ☐ Amended License

GIS Coordinates

LAT.

LONG.

License Number

Application is hereby made in accordance with the provisions of Chapter 148 of the General Laws of Massachusetts for a license to store flammables, combustibles or explosives on land in buildings or structures herein described.

Location of Land: 298 Amesbury Road, Map #465, Block #4, Lot #5B
Number, Street and Assessor's Map and Parcel ID

Attach a plot plan of the property indicating the location of property lines and all buildings or structures.

Owner of Land: Eddy Steven J.

Address of Land Owner: 298 Amesbury Road, Haverhill, MA

Use and Occupancy of Buildings and Structures: diesel fueling facility with convenience store

If this is an application for amendment of an existing license, indicate date of original license and any subsequent amendments

Attach a copy of the current license

Flammable and Combustible Liquids, Flammable Gases and Solids

Complete this section for the storage of flammable and combustible liquids, solids, and gases; see 527 CMR 1.00 Table 1.12.8.50; Attach additional pages if needed. All tanks and containers are considered full for the purposes of licensing and permitting.

PRODUCT NAME	CLASS	MAXIMUM QUANTITY	UNITS gal., lbs, cubic feet gal	CONTAINER UST, AST, IBC, drums UST
Diesel Fuel	II	32,000		

IN CITY COUNCIL: July 26 2022

NOT PASSED

Attest:

City Clerk

Total quantity of all flammable liquids to be stored: none

Total quantity of all combustible liquids to be stored: 32,000 gallons

Total quantity of all flammable gases to be stored: none

Total quantity of all flammable solids to be stored: none

IN CITY COUNCIL: April 5 2022

VOTED: that COUNCIL HEARING BE HELD APRIL 26 2022

Attest:

City Clerk

IN CITY COUNCIL: June 21 2022

CONTINUED TO JULY 26 2022

Attest:

City Clerk

IN CITY COUNCIL: April 26 2022

CONTINUED TO MAY 24 2022

Attest:

City Clerk

IN CITY COUNCIL: May 24 2022

CONTINUED TO JUNE 21 2022

Attest:

City Clerk

COPY

LP-gas (Complete this section for the storage of LP-gas or propane)

Indicate the maximum quantity of LP-gas to be stored and the sizes and capacities of all storage containers.
(See 527 CMR 1.00 Table 1.12.8.50)

- ❖ Maximum quantity (in gallons) of LP-gas to be stored in aboveground containers: _____

List sizes and capacities of all aboveground containers used for storage: _____

- ❖ Maximum quantity (in gallons) of LP-gas to be stored in underground containers: _____

List sizes and capacities of all underground containers used for storage: _____

Total aggregate quantity of all LP-gas to be stored: _____

Fireworks (Complete this section for the storage of fireworks)

Indicate classes of fireworks to be stored and maximum quantity of each class. (See 527 CMR 1.00 Table 1.12.8.50)

- ❖ Maximum amount (in pounds) of Class 1.3G: _____ Type/class of magazine used for storage: _____

- ❖ Maximum amount (in pounds) of Class 1.4G: _____ Type/class of magazine used for storage: _____

- ❖ Maximum amount (in pounds) of Class 1.4: _____ Type/class of magazine used for storage: _____

Total aggregate quantity of all classes of fireworks to be stored: _____

Explosives (Complete this section for the storage of explosives)

Indicate classes of explosive to be stored and maximum quantity of each class. (See 527 CMR 1.00 Table 1.12.8.50)

- ❖ Maximum amount (in pounds) of Class 1.1: _____ Number of magazines used for storage: _____

- ❖ Maximum amount (in pounds) of Class 1.2: _____ Number of magazines used for storage: _____

- ❖ Maximum amount (in pounds) of Class 1.3: _____ Number of magazines used for storage: _____

- ❖ Maximum amount (in pounds) of Class 1.4: _____ Number of magazines used for storage: _____

- ❖ Maximum amount (in pounds) of Class 1.5: _____ Number of magazines used for storage: _____

- ❖ Maximum amount (in pounds) of Class 1.6: _____ Number of magazines used for storage: _____

I, Johnny Kayrouz, hereby attest that I am authorized to make this application. I acknowledge that the information contained herein is accurate and complete to the best of my knowledge and belief. I acknowledge that all materials stored pursuant to any license granted hereunder must be stored or kept in accordance with all applicable laws, codes, rules and regulations, including but not limited to Massachusetts Chapter 148, and the Massachusetts Fire Code (527 CMR 1.00). I further acknowledge that the storage of any material specified in any license granted hereunder may not exceed the maximum quantity specified by the license.

Signature J. Kayrouz Date 03/24/2022 Name Johnny Kayrouz

Fire Department Use Only

I, ERIC M. TARPY, Head of the HAVERHILL Fire Department endorse this application with my

☒ Approval ☐ Disapproval

DK ETP
Signature of Head of the Fire Department

3/28/22
Date

Recommendations:

Approved as long as all State and Federal regulations, local ordinances are met, Construct and design with Sound Engineering Practices



City of Haverhill, MA

07/22/2022

CCSP-22-4

Health Department Review

City Council Special Permit

Status: Complete

Became Active: 03/28/2022

Assignee: Mark Tolman

Completed: 05/16/2022

Applicant

Lauren Sagaser
lsagaser@bohlereng.com
42 Hancock Road
Franklin, MA 02038
5085170185

Location

298 AMESBURY RD
Haverhill, MA 01830

Owner:

EDDY STEVEN J
71 SEVEN SISTER RD HAVERHILL, MA 01830

Comments

Mark Tolman, May 16, 2022 at 3:55pm

Septic system approved.

Must apply for food service permit before store can operate.



City of Haverhill, MA

07/22/2022

CCSP-22-4

City Council Special Permit

Status: Active**Date Created:** Mar 28, 2022**Applicant**

Lauren Sagaser
lsagaser@bohlereng.com
42 Hancock Road
Franklin, MA 02038
5085170185

Location

298 AMESBURY RD
Haverhill, MA 01830

Owner:

EDDY STEVEN J
71 SEVEN SISTER RD HAVERHILL, MA 01830

Important: Please Read Before Starting Your Application**Applicant Information****What is Your Role in This Process?**

Attorney/Agent

Applicant Business/Firm Phone

508-480-9900

Applicant Business/Firm City

Southborough

Applicant Business/Firm Zip

01772

Client Business Name

Kayrouz Realty LLC

Client Email

johnny@kayrouzrealty.com

Client City

Westborough

Client Zip

01581

Client Business Structure

Limited Liability Corporation (LLC)

Applicant Business/Firm Name

Bohler Engineering MA, LLC

Applicant Business/Firm Address

352 Turnpike Road

Applicant Business/Firm State

MA

Client Name

Johnny Kayrouz

Client Phone

508-366-1529

Client Address

16 East Main Street

Client State

MA

Client County

Worcester

Property Information**Proposed Housing Plan Name**

N/A

How Long Owned by Current Owner?

N/A

Lot Dimension(s)

131,587 sf

Proposed Street Name(s)

N/A

Type of Dwelling(s) Planned in Project

Single Family

Registry Plat Number, Block & Lot

465-4-5

Zoning District Where Property Located

CH - Commercial Highway

--

Deed Recorded in Essex South Registry: Block Number

465-4-5

Deed Recorded in Essex South Registry: Page

465-4-5

Does the Property Have Multiple Lots?

No

Thoroughly Describe the Reason(s) for thre Special Permit

Flammable Storage License

Property Description

The site currently encompasses a landscape supply business located west of Amesbury Road and south of Wannalancet Road.

Current Property Use

Agricultural

TOTAL Number of Units Planned

0

TOTAL Number of Parking Spaces Planned

9

Planned Lot Use**Lot Number**

Lot 1

Lot Plat Number, Bock, Lot

Map 465, Block 4, Lot 5B

Lot Dimensions

131,587 SF

Number of Existing Buildings on Lot

4

Size of Existing Building(s) on Lot

2,066 SF; 1,000 SF; 900 SF; 440 SF

Number of Buildings Planned for Lot

1

Size of Proposed Building(s)

1,482 SF

Number of Families to be Accommodated

0

Extent of Proposed Alterations

New Construction: Commercial

IF OTHER ALTERATIONS, Please Describe

--

Types of Units Planned on Lot

Rental

Number of Units Planned on Lot

0

Special Circumstances**Building Coverage**☐**Dimensional Variance**☐**Front Yard Setback**☐**Side Yard Setback**☐**Rear Yard Setback**☐**Lot Frontage**☐**Lot Depth**☐**Lot Area**☐**Building Height**☐**Floor Area Ratio**☐**Open Space**☐**Parking**☐**Sign Size****Use**

☐

Other

☒☐

IF OTHER, Please Describe

flammable storage license

Hearing Waiver

Agrees

No

Agreement & Signature

Agrees

☒

PLEASE READ

Office Use Only

City Council Decision

--

City Council Hearing Date

Reason for Council's Decision

--

City Council Members Absent

--

City Council Members Present

--

Continuance Meeting Date

--

Also Present

City Councilor Who Seconded Motion

--

City Councilor Who Made Motion

City Councilors Who Voted Against

--

City Councilors Who Abstained

Continuance Motion Decision

--

Who Submitted Continuance Request?

City Councilors Who Voted in Favor

--

Number of 12"x18" Mylar Copies

--

Appeal Expiration Date

Number of 24"x36" Mylar Copies

--

Number of 18"x24" Mylar Copies

--

Attachments Authorization Letter.pdf

Uploaded by Lauren Sagaser on Mar 28, 2022 at 3:03 pm

 written summary.pdf

Uploaded by Lauren Sagaser on Mar 28, 2022 at 3:07 pm

 W191199ss3-C-201-Site.pdf

Uploaded by Lauren Sagaser on Mar 28, 2022 at 12:18 pm

-  14 W191199ss0 - Survey.pdf
Uploaded by Lauren Sagaser on Mar 28, 2022 at 12:18 pm
-  Project Description.pdf
Uploaded by Lauren Sagaser on Mar 28, 2022 at 12:26 pm
-  Record 65070 - ViewPoint Cloud.pdf
Uploaded by Lauren Sagaser on Mar 28, 2022 at 12:22 pm
-  DOC032822.pdf
Uploaded by Lauren Sagaser on Mar 28, 2022 at 1:48 pm
-  Abutters 298 Amesbury Rd 465.4.5.xlsx
Uploaded by Christine Webb on Mar 29, 2022 at 8:26 am
-  Mailing Labels 298 Amesbury Rd 465.4.5.pdf
Uploaded by Christine Webb on Mar 29, 2022 at 8:27 am
-  coordinate298 Amesbury Rd.docx
Uploaded by Linda Koutoulas on Apr 6, 2022 at 12:17 pm

History

Date	Activity
Mar 25, 2022 at 2:14 pm	Lauren Sagaser started a draft of Record CCSP-22-4
Mar 28, 2022 at 1:46 pm	Lauren Sagaser added attachment Flammable Storage License to Record CCSP-22-4
Mar 28, 2022 at 1:46 pm	Lauren Sagaser removed attachment Flammable Storage License from Record CCSP-22-4
Mar 28, 2022 at 1:48 pm	Lauren Sagaser added attachment Flammable Storage License Application to Record CCSP-22-4
Mar 28, 2022 at 3:07 pm	Lauren Sagaser submitted Record CCSP-22-4
Mar 28, 2022 at 3:07 pm	approval step Assessor for Abutter's List was assigned to Christine Webb on Record CCSP-22-4
Mar 28, 2022 at 3:07 pm	approval step Conservation Department Review was assigned to Robert Moore on Record CCSP-22-4
Mar 28, 2022 at 3:07 pm	approval step Engineering Department Review was assigned to John Pettis on Record CCSP-22-4
Mar 28, 2022 at 3:07 pm	approval step Wastewater Review was assigned to Robert Ward on Record CCSP-22-4
Mar 28, 2022 at 3:07 pm	approval step Health Department Review was assigned to Bonnie Dufresne on Record CCSP-22-4
Mar 28, 2022 at 3:07 pm	approval step Planning Director Review was assigned to William Pillsbury on Record CCSP-22-4
Mar 28, 2022 at 3:07 pm	approval step Fire1 Department Review was assigned to Eric Tarpy on Record CCSP-22-4
Mar 28, 2022 at 3:07 pm	approval step Fire2 Department Review was assigned to Michael Picard on Record CCSP-22-4
Mar 28, 2022 at 3:07 pm	approval step Police Department Review was assigned to Kevin Lynch on Record CCSP-22-4
Mar 28, 2022 at 3:07 pm	approval step Storm Water Review was assigned to Robert Moore on Record CCSP-22-4
Mar 28, 2022 at 3:07 pm	approval step City Clerk Review - Hearing Dates Set was assigned to Maria Bevilacqua on Record CCSP-22-4
Mar 28, 2022 at 3:07 pm	approval step DPW Review was assigned to Robert Ward on Record CCSP-22-4
Mar 28, 2022 at 3:07 pm	approval step School Department Review was assigned to Mike Pfifferling on Record CCSP-22-4
Mar 28, 2022 at 3:07 pm	approval step Building Inspector Approval for Agenda was assigned to Tom Bridgewater on Record CCSP-22-4
Mar 28, 2022 at 3:07 pm	approval step Water Supply Review was assigned to Robert Ward on Record CCSP-22-4
Mar 28, 2022 at 3:07 pm	approval step City Council Clerk Notified was assigned to Laurie Brown on Record CCSP-22-4
Mar 28, 2022 at 3:47 pm	completed payment step Special Permit Filing Fee on Record CCSP-22-4
Mar 28, 2022 at 3:59 pm	Bonnie Dufresne assigned approval step Health Department Review to Mark Tolman on Record CCSP-22-4
Mar 28, 2022 at 4:14 pm	Mike Pfifferling approved approval step School Department Review on Record CCSP-22-4
Mar 29, 2022 at 8:03 am	Michael Picard assigned approval step Fire1 Department Review to Michael Picard on Record CCSP-22-4
Mar 29, 2022 at 8:03 am	Michael Picard waived approval step Fire1 Department Review on Record CCSP-22-4
Mar 29, 2022 at 8:08 am	Michael Picard approved approval step Fire2 Department Review on Record CCSP-22-4
Mar 29, 2022 at 8:26 am	Christine Webb added attachment Abutters 298 Amesbury Rd 465.4.5.xlsx to Record CCSP-22-4
Mar 29, 2022 at 8:27 am	Christine Webb added attachment Mailing Labels 298 Amesbury Rd 465.4.5.pdf to Record CCSP-22-4
Mar 29, 2022 at 8:27 am	Christine Webb approved approval step Assessor for Abutter's List on Record CCSP-22-4
Mar 29, 2022 at 2:02 pm	Maria Bevilacqua approved approval step City Clerk Review - Hearing Dates Set on Record CCSP-22-4
Mar 31, 2022 at 9:41 am	Laurie Brown approved approval step City Council Clerk Notified on Record CCSP-22-4
Mar 31, 2022 at 3:54 pm	Robert Ward approved approval step Wastewater Review on Record CCSP-22-4
Mar 31, 2022 at 3:55 pm	Robert Ward assigned approval step Water Department Review to Robert Ward on Record CCSP-22-4
Mar 31, 2022 at 3:55 pm	Robert Ward approved approval step Water Department Review on Record CCSP-22-4
Mar 31, 2022 at 3:55 pm	Robert Ward approved approval step DPW Review on Record CCSP-22-4
Mar 31, 2022 at 3:56 pm	Robert Ward approved approval step Water Supply Review on Record CCSP-22-4
Mar 31, 2022 at 7:21 pm	Robert Moore approved approval step Conservation Department Review on Record CCSP-22-4

Date	Activity
Mar 31, 2022 at 7:22 pm	Robert Moore approved approval step Storm Water Review on Record CCSP-22-4
Apr 6, 2022 at 12:17 pm	Linda Koutoulas added attachment coordinate298 Amesbury Rd.docx to Record CCSP-22-4
Apr 19, 2022 at 10:58 am	Tom Bridgewater approved approval step Building Inspector Approval for Agenda on Record CCSP-22-4
Apr 19, 2022 at 11:33 am	Kevin Lynch approved approval step Police Department Review on Record CCSP-22-4
Apr 20, 2022 at 2:48 pm	Linda Koutoulas altered approval step Police Department Review, changed status from Complete to On Hold on Record CCSP-22-4
Apr 21, 2022 at 10:48 am	Maria Bevilacqua assigned approval step First Ad Placement to Maria Bevilacqua on Record CCSP-22-4
Apr 21, 2022 at 10:48 am	Maria Bevilacqua assigned approval step Placed on Agenda to Maria Bevilacqua on Record CCSP-22-4
Apr 21, 2022 at 10:52 am	Maria Bevilacqua assigned approval step Abutter Notification to Maria Bevilacqua on Record CCSP-22-4
May 16, 2022 at 3:55 pm	Mark Tolman approved approval step Health Department Review on Record CCSP-22-4
May 26, 2022 at 9:48 am	Karen Buckley changed IF YES, How Many Lots? from "1" to "0" on Record CCSP-22-4
May 26, 2022 at 9:48 am	Karen Buckley changed IF YES, What Is/Are the Map, Block Lot (MBL) Number(s)? from "N/A" to "" on Record CCSP-22-4

Timeline

Label	Status	Activated	Completed	Assignee	Due Date
 Special Permit Filing Fee	Paid	Mar 28, 2022 at 3:07 pm	Mar 28, 2022 at 3:47 pm	-	-
 School Department Review	Complete	Mar 28, 2022 at 3:07 pm	Mar 28, 2022 at 4:14 pm	Mike Pfifferling	-
Fire1 Department Review	Skipped	Mar 28, 2022 at 3:07 pm	Mar 29, 2022 at 8:03 am	Michael Picard	-
 Fire2 Department Review	Complete	Mar 28, 2022 at 3:07 pm	Mar 29, 2022 at 8:08 am	Michael Picard	-
 Assessor for Abutter's List	Complete	Mar 28, 2022 at 3:07 pm	Mar 29, 2022 at 8:27 am	Christine Webb	-
 City Clerk Review - Hearing Dates Set	Complete	Mar 28, 2022 at 3:07 pm	Mar 29, 2022 at 2:02 pm	Maria Bevilacqua	-
 City Council Clerk Notified	Complete	Mar 28, 2022 at 3:07 pm	Mar 31, 2022 at 9:41 am	Laurie Brown	-
 Wastewater Review	Complete	Mar 28, 2022 at 3:07 pm	Mar 31, 2022 at 3:54 pm	Robert Ward	-
 Water Department Review	Complete	Mar 28, 2022 at 3:07 pm	Mar 31, 2022 at 3:55 pm	Robert Ward	-
 DPW Review	Complete	Mar 28, 2022 at 3:07 pm	Mar 31, 2022 at 3:55 pm	Robert Ward	-
 Water Supply Review	Complete	Mar 28, 2022 at 3:07 pm	Mar 31, 2022 at 3:56 pm	Robert Ward	-
 Conservation Department Review	Complete	Mar 28, 2022 at 3:07 pm	Mar 31, 2022 at 7:21 pm	Robert Moore	-
 Storm Water Review	Complete	Mar 28, 2022 at 3:07 pm	Mar 31, 2022 at 7:22 pm	Robert Moore	-
 Building Inspector Approval for Agenda	Complete	Mar 28, 2022 at 3:07 pm	Apr 19, 2022 at 10:58 am	Tom Bridgewater	-
 Health Department Review	Complete	Mar 28, 2022 at 3:07 pm	May 16, 2022 at 3:55 pm	Mark Tolman	-
 Planning Director Review	Active	Mar 28, 2022 at 3:07 pm	-	William Pillsbury	-
 Engineering Department Review	Active	Mar 28, 2022 at 3:07 pm	-	John Pettis	-
 Police Department Review	On Hold	Mar 28, 2022 at 3:07 pm	Apr 20, 2022 at 2:48 pm	Kevin Lynch	-
 First Ad Placement	Inactive	-	-	Maria Bevilacqua	-
 Placed on Agenda	Inactive	-	-	Maria Bevilacqua	-
 Abutter Notification	Inactive	-	-	Maria Bevilacqua	-
 Second Ad Placement	Inactive	-	-	-	-

BOHLER //

5

April 26, 2022

10.2 Doc 57

10.2

352 Turnpike Road
Southborough, MA 01772
508.480.9900

Continue to May 24-2022

10.2

Continue to July 26 2022

Via Electronic Mail

Haverhill City Council
4 Summer Street, Room 204
Haverhill, MA 01830

Attn: Linda Koutoulas, City Clerk

**RE: Hearing Continuance Request
Flammable Storage License Application
298 Amesbury Road
Haverhill, MA**

Dear Members of the Council:

Please accept this letter as Steven J. Eddy's c/o Kayrouz Realty, LLC and Bohler's (authorized agents) request for a hearing continuance in connection with the Flammable Storage License application filed in association with the above-referenced site. At this time, we respectfully request to continue the hearing, initially scheduled for April 26, 2022, to the Council's May 24, 2022 meeting agenda.

Additionally, the applicant agrees to waive 120-day hearing period in connection with the Flammable Storage License Application.

We appreciate this letter being presented to the City Council as our request for continuance as we do not plan to attend the hearing. Should you have any questions or need additional information, please do not hesitate to contact us at 508-480-9900.

Sincerely,

BOHLER ENGINEERING MA, LLC



Lucien M. DiStefano

LETTER OF TRANSMITTAL

DATE: April 21, 2022

SENDING VIA: Federal Express/Next Day

To: Haverhill City Hall

RE: Kayrouz Petroleum, LLC

City Clerk's Office

Abutters

4 Summer Street

Room 118

Haverhill, MA 01830

JOB #: W191199

These are transmitted: ☐ For approval ☐ For your use ☐ As requested ☐ For review and comment

Item #	# of Copies	Date	Description
1	1	04/21/2022	Abutters Certification Form
2	15	-	Abutters Mailing Certified Receipts
3	11	-	Abutters Mailing Certified Green Cards (11 received as of today 4/21/2022)
4			

Comments:

Enclosed please find the above-referenced items.

Should you have any questions or require additional information please do not hesitate to contact me at 508-480-9900.

COPY TO: _____ FROM: Tina Castelli (tcastelli@bohlereng.com)

If enclosures are not as noted, kindly notify us at once.

CITY OF HAVERHILL
LINDA L KOUTOULAS
CITY CLERK

Steven J Eddy

April 5, 2022

19

c/o Bohler Engineering MA, LLC
352 Turnpike Road
Southborough, MA 01772

Steven J Eddy, Owner; Kayrouz Rlty & Bohler Engineering to apply for Flammable Storage License

Johnny Kayrouz, Kayrouz Rlty LLC, 16 East Main st, Westborough, MA 01581

On your petition for a permit to maintain

Flammable license

for proposed diesel fueling station - 32,000 gallons diesel fuel to be stored underground

298 Amesbury rd - Map 465, Block 4, Lot 5B

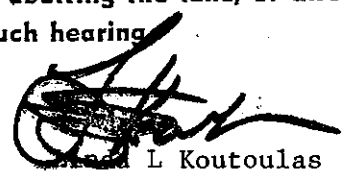
on land or premises

the City Council has set the time as the 26th day of April 2022 XXXX

at 7:00 o'clock P.M., at its room in City Hall Building as a time and place for hearing all parties interested in the same. (Hybrid hearing - residents can call City Office number at 978-374-2328. Their number will be taken and they will be called back. Interested parties also can log onto HaverhillSpeaks.org to review documents and make comments before the hearing.)

Under the provisions of Section 13, Chapter 148 of the General Laws, as amended, you are to send notice of the above, by registered mail to all owners of real estate abutting the land, or directly opposite said land to be occupied, not less than seven days prior to such hearing.

Respectfully yours,


Linda L Koutoulas
City Clerk.

THESE DIRECTIONS MUST BE FOLLOWED

Extracts from General Laws, Chapter 148, Section 13

No building or other structure shall, except as provided in section fourteen, be used for the keeping, storage, manufacture or sale of any of the articles named in section nine, unless the local licensing authority shall have granted a license to use the land on which such building or other structure is or is to be situated for the aforementioned uses, after a public hearing, notice of the time and place of which hearing shall have been given, at the expense of the applicant, by the clerk of the city or of the local licensing authority, by publication, not less than seven days prior thereto, in a newspaper published in the English language in the city or town wherein said land is situated if there is any so published therein, otherwise in the county in which such city or town lies, and also by the applicant by registered mail, not less than seven days prior to such hearing, to all owners of real estate abutting on said land or directly opposite said land on any public or private street as they appear on the most recent local tax list at the time the application for such license is filed, and unless the application for such license shall have endorsed thereon the certificate of approval or disapproval of the head of the fire department.

Haverhill, Mass.

April 21, 2022

To the City Council,
of the City of Haverhill,
Gentlemen:

I hereby certify that on the 11th day of April 19 2022
I sent notice of the time and place of the within hearing, by registered mail to all owners of real estate
abutting land herein referred to, as follows:

Name

Address

Math, LLC	71 Seven Sister Rd. Haverhill, MA 01830
Gelinas Phillip P	316 Amesbury Rd. Haverhill, MA 01830
MASS App Inves LLC	P.O. Box 1115, Haverhill MA 01831
SDSE EAST Broadway LLC	71 Seven Sister Rd. Haverhill, MA 01830
35 Wannalancet Road Realty TR	71 Seven Sister Rd. Haverhill, MA 01830
32 Wannalancet Road Realty TR	71 Seven Sister Rd. Haverhill, MA 01830
Whitman Arthur H	71 Seven Sister Rd. Haverhill, MA 01830
SDSE EAST Broadway LLC	71 Seven Sister Rd. Haverhill, MA 01830
SDSE EAST Broadway LLC	71 Seven Sister Rd. Haverhill, MA 01830
Keenan James B ETUX	255 Amesbury Rd. Haverhill MA 01830
Labranche Victor P	30 Shattuck St. Haverhill, MA 01830
Menna Joyce F	26 Elliott St. Haverhill, MA 01830
Eddy Steven J	71 Seven Sister Rd. Haverhill MA 01830
KRE-BSL Hocky Haverhill LLC	P.O. Box 92129, South Lake TX 76092
Northern Essex Realty Trust	198 Saw Ave. Old Orchard Beach, ME 04064

Jonny Kayrouz

Name of applicant

NOTE. Return this to City Clerk before the day of the hearing, along with the green receipt cards
from the Post Office

57

Hearing April 26, 2022

City Council Special Permit · Add to a project



Expiration Date

Active



CCSP-22-4

HAV CITY CLERK MAR28/22 PM 1:31



Details

Submitted on Mar 28, 2022 at 3:07 pm



Attachments

9 files



Activity Feed

Latest activity on Mar 29, 2022

Applicant

Lauren Sagaser



Location

298 AMESBURY RD, Haverhill, MA 01830

Timeline

Add New ▾

Special Permit Filing Fee

Paid Mar 28, 2022 at 3:47 pm

School Department Review

Completed Mar 28, 2022 at 4:14 pm

Fire1 Department Review

Skipped Mar 29, 2022 at 8:03 am

Fire2 Department Review

Completed Mar 29, 2022 at 8:08 am

Assessor for Abutter's List

Completed Mar 29, 2022 at 8:27 am

Planning Director Review

In Progress



City Clerk Review - Hearing Dates Set

In Progress

**City Council Clerk Notified**

In Progress

**Conservation Department Review**

In Progress

**DPW Review**

In Progress

**Engineering Department Review**

In Progress

**Health Department Review**

In Progress

**Police Department Review**

In Progress

**Storm Water Review**

In Progress

**Wastewater Review**

In Progress

**Water Department Review**

In Progress

**Water Supply Review**

In Progress

**Building Inspector Approval for Agenda**

In Progress

**First Ad Placement**

Review

**Placed on Agenda**

Review

**Abutter Notification**

Review

**Second Ad Placement**

Review



**LINDA KOUTOULAS**

Remove Comment • Apr 4, 2022 at 1:39 pm

Lauren - need GIS coordinates for this facility.

**Lauren Sagaser**

Remove Comment • Apr 4, 2022 at 1:51 pm

Hi Linda - coordinates are:

N: 3117289.6450, E: 775758.3895

LAT: N042° 48' 04.03", LONG: W071° 03' 15.86"

Please let me know if you need anything else. Thank you!

**LINDA KOUTOULAS**

Remove Comment • Apr 21, 2022 at 9:39 am

Still need green cards from certified mailing.....

**Lauren Sagaser**

Remove Comment • Apr 21, 2022 at 3:53 pm

The green cards and mailing slips from the abutters notifications are being sent to the City Clerk's office by FedEx for delivery tomorrow. FedEx tracking # is 5222 6734 6482. Thank you!

This step was assigned to Maria Bevilacqua - Mar 28, 2022 at 3:07 pm

Maria Bevilacqua approved this step - Mar 29, 2022 at 2:02 pm



City of Haverhill, MA

04/21/2022

CCSP-22-4

City Council Special Permit

Status: Active**Date Created:** Mar 28, 2022**Applicant**

Lauren Sagaser
lsagaser@bohlereng.com
42 Hancock Road
Franklin, MA 02038
5085170185

Location

298 AMESBURY RD
Haverhill, MA 01830

Owner:

EDDY STEVEN J
71 SEVEN SISTER RD HAVERHILL, MA 01830

Important: Please Read Before Starting Your Application**Applicant Information****What is Your Role in This Process?**

Attorney/Agent

Applicant Business/Firm Phone

508-480-9900

Applicant Business/Firm City

Southborough

Applicant Business/Firm Zip

01772

Client Business Name

Kayrouz Realty LLC

Client Email

johnny@kayrouzrealty.com

Client City

Westborough

Client Zip

01581

Client Business Structure

Limited Liability Corporation (LLC)

Applicant Business/Firm Name

Bohler Engineering MA, LLC

Applicant Business/Firm Address

352 Turnpike Road

Applicant Business/Firm State

MA

Client Name

Johnny Kayrouz

Client Phone

508-366-1529

Client Address

16 East Main Street

Client State

MA

Client County

Worcester

Property Information**Proposed Housing Plan Name**

N/A

How Long Owned by Current Owner?

N/A

Lot Dimension(s)

131,587 sf

Proposed Street Name(s)

N/A

Type of Dwelling(s) Planned in Project

Single Family

Registry Plat Number, Block & Lot

465-4-5

Zoning District Where Property Located

CH - Commercial Highway

--

Deed Recorded in Essex South Registry: Block Number

465-4-5

Deed Recorded in Essex South Registry: Page

465-4-5

Does the Property Have Multiple Lots?

No

Thoroughly Describe the Reason(s) for thre Special Permit

Flammable Storage License

Property Description

The site currently encompasses a landscape supply business located west of Amesbury Road and south of Wannalancet Road.

Current Property Use

Agricultural

TOTAL Number of Units Planned

0

TOTAL Number of Parking Spaces Planned

9

Planned Lot Use

Lot Number	Lot Plat Number, Bock, Lot
Lot 1	Map 465, Block 4, Lot 5B
Lot Dimensions	Number of Existing Buildings on Lot
131,587 SF	4
Size of Existing Building(s) on Lot	Number of Buildings Planned for Lot
2,066 SF; 1,000 SF; 900 SF; 440 SF	1
Size of Proposed Building(s)	Number of Families to be Accommodated
1,482 SF	0
Extent of Proposed Alterations	IF OTHER ALTERATIONS, Please Describe
New Construction: Commercial	--
Types of Units Planned on Lot	Number of Units Planned on Lot
Rental	0

Special Circumstances**Building Coverage**☐**Dimensional Variance**☐**Front Yard Setback**☐**Side Yard Setback**☐**Rear Yard Setback**☐**Lot Frontage**☐**Lot Depth**☐**Lot Area**☐**Building Height**☐**Floor Area Ratio**☐**Open Space**☐**Parking**☐**Sign Size****Use**

Applicant Information

IMPORTANT NOTE: ALL DOCUMENTS THAT ARE ATTACHED TO THIS APPLICATION MUST BE SUBMITTED AS ORIGINALS TO THE CITY CLERK BEFORE THE APPLICATION IS CONSIDERED COMPLETE AND PROCEEDS TO REVIEW. THESE DOCUMENTS WILL LATER BE FILED WITH THE COUNTY REGISTRY WHICH REQUIRES ORIGINAL DOCUMENTS.

What is Your Role in This Process? *

Attorney/Agent

Applicant Business/Firm Name *

Bohler Engineering MA, LLC

Applicant Business/Firm Phone *

508-480-9900

Applicant Business/Firm Address *

352 Turnpike Road

Applicant Business/Firm City *

Southborough

Applicant Business/Firm State *

MA

Applicant Business/Firm Zip *

01772

Client Name *

Johnny Kayrouz

Client Business Name *

Kayrouz Realty LLC

Client Phone *

508-366-1529

Client Email *

johnny@kayrouzrealty.com

Client Address *

16 East Main Street

Client City *

Westborough

Client State *

MA

Client Zip *

01581

Client County *

Worcester

Client Business Structure *

Limited Liability Corporation (LLC)

Property Information

Proposed Housing Plan Name *

N/A

Proposed Street Name(s) *

N/A

How Long Owned by Current Owner? *

N/A

Type of Dwelling(s) Planned in Project *

Single Family

Lot Dimension(s) *

131,587 sf

Registry Plat Number, Block & Lot *

465-4-5

Zoning District Where Property Located *

CH - Commercial Highway



Deed Recorded in Essex South Registry: Block Number *

465-4-5

Deed Recorded in Essex South Registry: Page *

465-4-5

Does the Property Have Multiple Lots? *

No

IF YES, How Many Lots? *

1

IF YES, What Is/Are the Map, Block Lot (MBL) Number(s)? *

N/A

Thoroughly Describe the Reason(s) for thre Special Permit *

Flammable Storage License

Property Description *

The site currently encompasses a landscape supply business located west of Amesbury Road and south of Wannalancet Road.

Current Property Use *

Agricultural

TOTAL Number of Units Planned *

0

TOTAL Number of Parking Spaces Planned *

9

Planned Lot Use

Lot Number *

Lot 1

Lot Plat Number, Block, Lot *

Map 465, Block 4, Lot 5B

Lot Dimensions *

131,587 SF

Number of Existing Buildings on Lot * ⓘ

4

Size of Existing Building(s) on Lot *

2,066 SF; 1,000 SF; 900 SF; 440 SF

Number of Buildings Planned for Lot *

1

Size of Proposed Building(s) *

1,482 SF

Number of Families to be Accommodated *

0

Extent of Proposed Alterations *

New Construction: Commercial

IF OTHER ALTERATIONS, Please Describe *

Types of Units Planned on Lot *

Rental

Number of Units Planned on Lot *

0

Special Circumstances

CHECK ALL THAT APPLY

Building Coverage

☐

Dimensional Variance

☐

Front Yard Setback

☐

Side Yard Setback

☐

Rear Yard Setback

☐

Lot Frontage

☐

Lot Depth

☐

Lot Area

☐

Building Height

☐

Floor Area Ratio

☐

Open Space

☐

Parking

☐

Sign Size

☐

Use

☐

Other

☒

IF OTHER, Please Describe *

flammable storage license

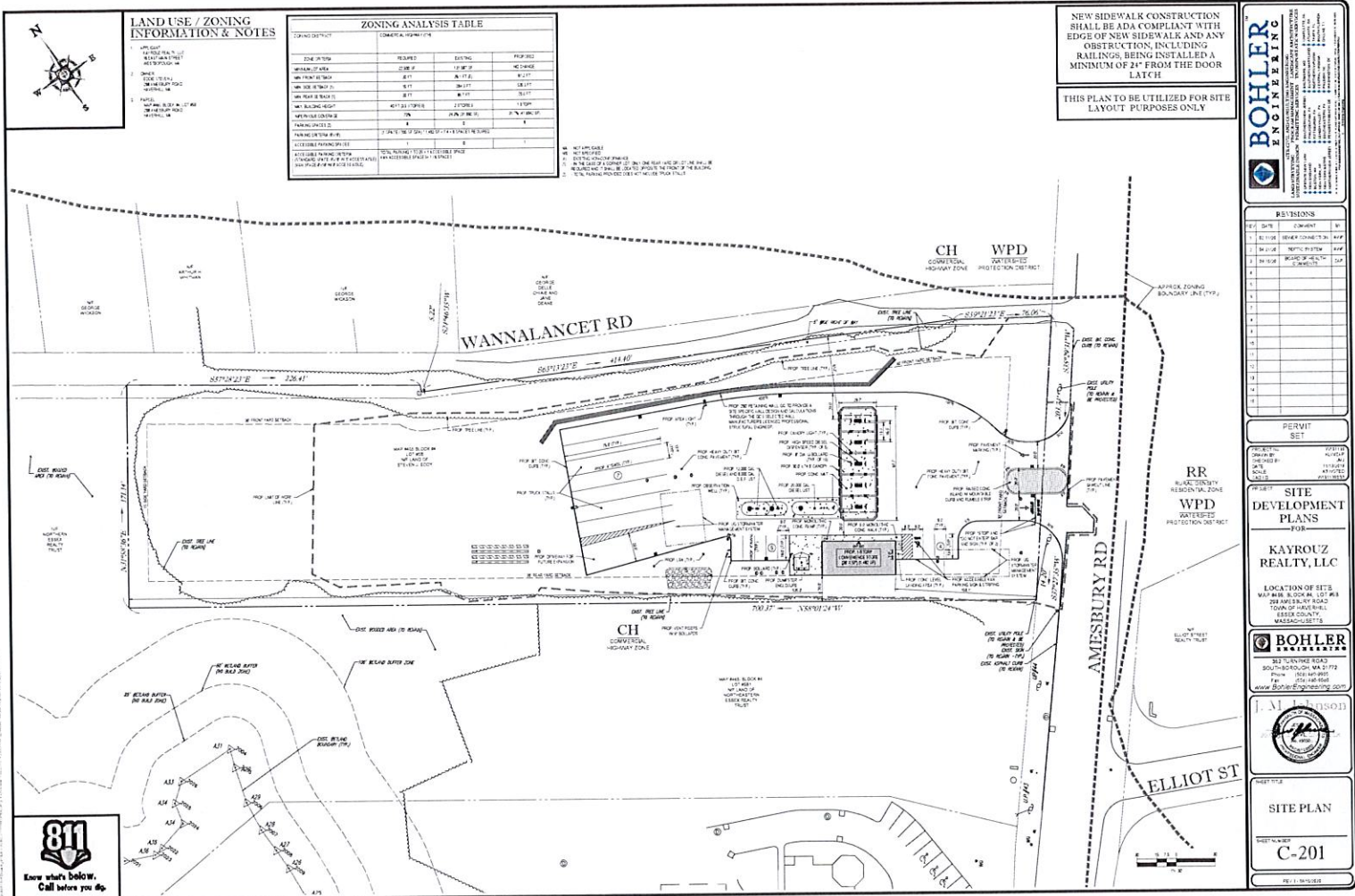
Hearing Waiver

Applicant agrees to waive the 120-day hearing requirement.

Agrees *

Steven J. Eddy, as Owner, authorizes Kayrouz Realty, LLC and Bohler Engineering MA, LLC (as agents), to apply for a Flammable Storage License for the diesel fueling station proposed at 298 Amesbury Road in Haverhill, MA. This includes approval from the Haverhill Fire Department and approvals required from the Haverhill City Council.

A Plot Plan has been uploaded as part of this application for approval of a Flammable Storage License from the Haverhill City Council for the proposed diesel fueling facility at 298 Amesbury Road in Haverhill, MA. This application does not include any requests for Variances to be granted by the Haverhill City Council.



This application is being filed per the direction of the City of Haverhill in order to obtain a flammable storage license for the proposed project at 298 Amesbury Road in Haverhill, MA. The proposed project includes the construction of a new 1,482 sf convenience store and five (5) high speed diesel fuel dispensers under a freestanding canopy along with new paved parking areas, landscaping, storm water management components, and associated utilities.

Development Review 65070

Your Submission

Attachments

Guests (0)

- ⊖ Site Plan Fee
- ✔ Verify Location Data (Parcel ID; address)
- ✔ **Zoning Approval**
- ✔ Conservation Approval
- ✔ Engineering Approval
- ✔ Fire1 Approval
- ✔ Fire2 Approval
- ✔ Health Approval
- ✔ Plumbing Approval
- ✔ Storm Water Approval
- ✔ Wastewater Approval
- ✔ Water Approval
- ✔ Building Approval

Zoning Approval

✔ **Complete.** This step was completed on Sep 3, 2020 at 9:56am.



Lauren Sagaser

Thank you, Richard!

Aug 26, 2020 at 10:44 am

**Richard Osborne**

Aug 26, 2020 at 10:20 am

zoning appears to ok , uses are allowed by right , no overlay districts effected , distanced from existing fuel dispensary greater than 500'. please continued with site plan approvals upon completion you will apply for foundation permit to start your project

**Lauren Sagaser**

Aug 25, 2020 at 4:31 pm

Hello,

I just wanted to reach out to see if there is anything further you need from us at this time in order to close your department's portion of the Engineering Department's Site Plan Review process.

Thank you!
Lauren

Message the reviewer

City of Haverhill, MA

Your Profile

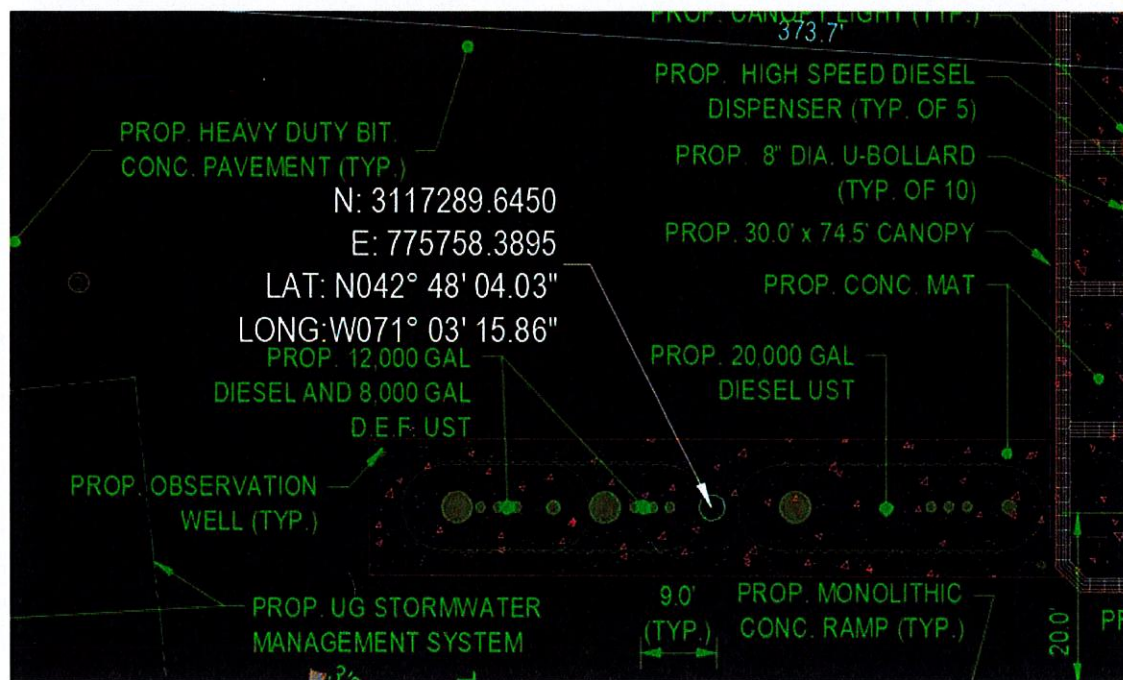
[Your Records \(/dashboard/records\)](/dashboard/records)

Resources

[Search for Records \(/search\)](/search)

[Claim a Record \(/claimRecord\)](/claimRecord)

[Employee Login \(https://haverhillma.viewpointcloud.io\)](https://haverhillma.viewpointcloud.io)



102

57

KAREN L. FIORELLO
kfiorello@fimilaw.com

FIORELLO & MIGLIORI
ATTORNEYS AT LAW

FIREHOUSE CONDOMINIUMS
18 ESSEX STREET
HAVERHILL, MASSACHUSETTS 01832
TEL 978/373-3003 FAX 978/373-3066

MICHAEL J. MIGLIORI
mmigliori@fimilaw.com

May 19, 2022

Copy

Haverhill City Council
4 Summer St, Room 204
Haverhill, MA 01830

Attn: Linda Koutoulas, City Clerk

Re: Hearing Continuance Request
Flammable Storage License Application
298 Amesbury Road

Dear President Jordan,

Please be advised that I am requesting a continuance of the hearing scheduled for May 24, 2022, on the above matter until **June 21, 2022**.

We are continuing to work with the City regarding proposed infrastructure improvements in the area and the continuance would be helpful in that regard.

Sincerely yours

Michael J. Migliori

MJM/dma

cc: Planning Director Pillsbury

4 Summer Street
Haverhill, MA 01830
Phone: (978) 374-2312
Fax: (978) 373-8490

CC Sp 22-4
Inflammable Hearing
298 Amesbury road
Steven J. Caddy

Fax

To: KATIE - GAZETTE

From: MARTA BEVILACQUA
City Clerk's Office

Fax: 978-685-2432

Date: April 4 2022

Phone: 978-946-2157 298 Amesbury rd

Pages: 2

re: Inflammable Hearing Ad -

CC:

☐ Urgent

☒ For Review

☐ Please Comment

☐ Please Reply

☐ Please Recycle

Hi Katie - please run this 1 time
in Gazette
April 15, 2022

Thank you! Maria

978-420-3624

April 15 2022

CITY OF HAVERHILL
HYBRID HEARING
CITY COUNCIL CHAMBERS, CITY HALL, ROOM 202, 4 SUMMER STREET
CCSP 22-4 - Inflammable Hearing

Notice is hereby given that the following application for a license to store, keep and use INFLAMMABLE LIQUIDS has been made to the City Clerk and the City Council will conduct a hearing for all parties interested, in the Council Chambers on **Tuesday, April 26, 2022** at 7:00 P.M. This notice is given under the provisions of Chapter 148 of the General Laws - Steven J Eddy; requesting to store 32,000 gallons of diesel fuel at proposed fueling station to be stored underground at 298 Amesbury rd. (*residents who are interested in commenting on this special permit will need to call the City Council office number 978-374-2328 - Once they call in, their phone number will be taken and they will be called back and allowed into the meeting in the order in which they called in. Residents will need a phone and be willing to give their phone number to the person answering the phone in order for them to get the call back*). Interested parties may also log onto Haverhillspeaks.org to review documents and make comments before the hearing.

Description of area, maps and plans are on file in the City Clerk's Office.



Linda L Koutoulas
City Clerk

Advertise: April 15, 2022

428-628-1
MATT, LLC
71 SEVEN SISTER RD
HAVERHILL, MA 01830

441-1-17
LABRANCHE VICTOR P
30 SHATTUCK ST
HAVERHILL, MA 01830

428-628-10
GELINAS PHILLIP P
316 AMESBURY RD
HAVERHILL, MA 01830

459-2-1
MENNA JOYCE F
26 ELLIOTT STREET
HAVERHILL, MA 01830

428-628-13A
MASS PROP INVES, LLC
P.O. BOX 1115
HAVERHILL, MA 01831

465-4-5
EDDY STEVEN J
71 SEVEN SISTER RD
HAVERHILL, MA 01830

428-628-13C
SDSE EAST BROADWAY LLC
71 SEVEN SISTER RD
HAVERHILL, MA 01830

465-4-5B
KRE-BSL HUSKY HAVERHILL LLC
PO BOX 92129
SOUTHLAKE, TX 76092

428-628-2
35 WANNALANCET ROAD REALTY TR
71 SEVEN SISTER RD
HAVERHILL, MA 01830

465-4-5B1
NORTHERN ESSEX REALTY TRUST
198 SACO AVE
OLD ORCHARD BEACH, ME 04064

428-628-3
32 WANNALANCET ROAD REALTY TR
71 SEVEN SISTER RD
HAVERHILL, MA 01830

428-628-4
WHITMAN ARTHUR H
71 SEVEN SISTER RD
HAVERHILL, MA 01830

428-628-5
SDSE EAST BROADWAY LLC
71 SEVEN SISTER RD
HAVERHILL, MA 01830

428-628-6
SDSE EAST BROADWAY LLC
71 SEVEN SISTER RD
HAVERHILL, MA 01830

441-1-14D
KEENAN JAMES B ETUX
255 AMESBURY RD
HAVERHILL, MA 01830

ParcelID	StreetNum	StreetName	LocCity	Owner1	BillingAddress	City	State	Zip
428-628-1	23	WANNALANCET RD	HAVERHILL	MATT, LLC	71 SEVEN SISTER RD	HAVERHILL	MA	01830
428-628-10	316	AMESBURY RD	HAVERHILL	GELINAS PHILLIP P	316 AMESBURY RD	HAVERHILL	MA	01830
428-628-13A	330	AMESBURY RD	HAVERHILL	MASS PROP INVES, LLC	P.O. BOX 1115	HAVERHILL	MA	01831
428-628-13C		WANNALANCET RD	HAVERHILL	SDSE EAST BROADWAY LLC	71 SEVEN SISTER RD	HAVERHILL	MA	01830
428-628-2	35	WANNALANCET RD	HAVERHILL	35 WANNALANCET ROAD REALTY TR	71 SEVEN SISTER RD	HAVERHILL	MA	01830
428-628-3		WANNALANCET RD	HAVERHILL	32 WANNALANCET ROAD REALTY TR	71 SEVEN SISTER RD	HAVERHILL	MA	01830
428-628-4		WANNALANCET RD	HAVERHILL	WHITMAN ARTHUR H	71 SEVEN SISTER RD	HAVERHILL	MA	01830
428-628-5		WANNALANCET RD	HAVERHILL	SDSE EAST BROADWAY LLC	71 SEVEN SISTER RD	HAVERHILL	MA	01830
428-628-6		WANNALANCET RD	HAVERHILL	SDSE EAST BROADWAY LLC	71 SEVEN SISTER RD	HAVERHILL	MA	01830
441-1-14D	255	AMESBURY RD	HAVERHILL	KEENAN JAMES B ETUX	255 AMESBURY RD	HAVERHILL	MA	01830
441-1-17		AMESBURY RD	HAVERHILL	LABRANCHE VICTOR P	30 SHATTUCK ST	HAVERHILL	MA	01830
459-2-1	26	ELLIOTT ST	HAVERHILL	MENNA JOYCE F	26 ELLIOTT STREET	HAVERHILL	MA	01830
465-4-5	298	AMESBURY RD	HAVERHILL	EDDY STEVEN J	71 SEVEN SISTER RD	HAVERHILL	MA	01830
465-4-58	254	AMESBURY RD	HAVERHILL	KRE-BSL HUSKY HAVERHILL LLC	PO BOX 92129	SOUTHLAKE	TX	76092
465-4-581		AMESBURY RD	HAVERHILL	NORTHERN ESSEX REALTY TRUST	198 SACO AVE	OLD ORCHARD BEACH	ME	04064

LAND USE / ZONING
INFORMATION & NOTES

1.	APPLICANT KAYTOLZ REALTY, LLC 18 EAST MAIN STREET WESTBOROUGH, MA
2.	OWNER EDDIE STEVEN J 298 AME SUBURY ROAD HAVERHILL, MA
3.	PARCEL MAP #445, BLOCK #4, LOT 298 AME SUBURY ROAD

ZONING ANALYSIS TABLE

[illegible]

NA	NOT APPLICABLE
NS	NOT SPECIFIED
(1)	- TESTING NON-CONFORMANCE
(2)	- IN CASE OF A CORRECTION, ONLY ONE RE-APPRAISAL OF THE WORK SHALL BE REQUIRED AND IT SHALL BE LOCAL TO THE POINT OF THE DEFECT OF THE BUILDING

NEW SIDEWALK CONSTRUCTION SHALL BE ADA COMPLIANT WITH EDGE OF NEW SIDEWALK AND ANY OBSTRUCTION, INCLUDING RAILINGS, BEING INSTALLED A MINIMUM OF 24" FROM THE DOOR LATCH.

THIS PLAN TO BE UTILIZED FOR SITE
LAYOUT PURPOSES ONLY

REVISIONS			
REV	DATE	COMMENT	BY
1	02/15/99	SEWER CONNECTION	AW
2	04/25/99	SEPTIC SYSTEM	AW
3	08/13/99	BOARD OF HEALTH COMMENTS	AW
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			

PERMIT
CITY

SITE DEVELOPMENT PLANS FOR

KAYROUZ
REALTY, LLC

LOCATION OF SITE:
MAP #465, BLOCK #4, LOT #53
298 AMESBURY ROAD
TOWN OF HAVERHILL,
ESSEX COUNTY,
MASSACHUSETTS.



352 TURNPIKE ROAD
SOUTHBOROUGH, MA 01712
Phone (508) 480-9900
Fax (508) 480-9080
www.BohlerEngineering.com

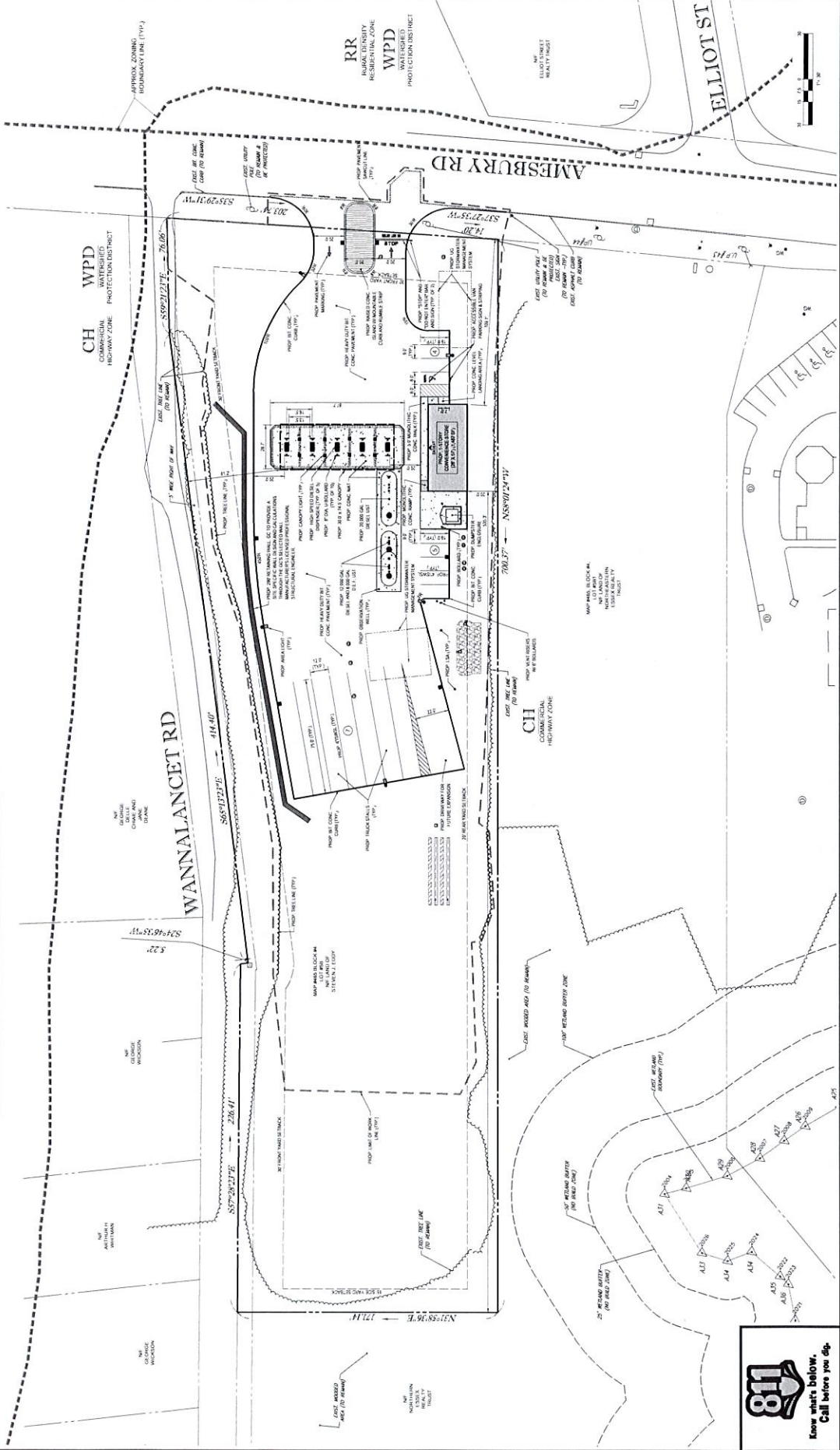


4.1.10.10

SITE PLAN

C-201

REV 3 - 09/19/2020



Know what's below
Call before you dig

NOTES

1. ALL CITY OF HAVRILL, MASSACHUSETTS AND 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.
2. TOPOGRAPHIC DATUM BASE IS JENSEN, WASH. (N.C.V.D.)

LEGEND

- ① DRAIN MANHOLE
- ② WATER MANHOLE
- ③ TELEPHONE MANHOLE
- ④ CATCH BASIN
- ⑤ ELECTRICAL BOX
- ⑥ GAS METER
- ⑦ FLEETING METER
- ⑧ FLEETING POST
- ⑨ WATER GATE
- ⑩ UTILITY HOLE
- ⑪ HYDRANT
- ⑫ TEST PIT
- ⑬ SPOT ELEVATION
- ⑭ ELEVATION CONTOUR
- ⑮ DRAIN PIPELINE
- ⑯ DRAIN PIPING
- ⑰ GAS PIPELINE
- ⑱ OVERHEAD TELEPHONE AND ELECTRIC WIRES
- ⑲ OVERHEAD WIRES
- ⑳ CHAIN LINK FENCE
- ㉑ FENCE
- ㉒ SLOPE
- ㉓ CAST IRON CULVERT
- ㉔ REINFORCED CONCRETE PIPE
- ㉕ DRAINAGE
- ㉖ RETURNING CONCRETE PIPE
- ㉗ TURN SHIELD ELEVATION
- ㉘ NOW ON FORMERLY
- ㉙ FOUND
- ㉚ FILL
- ㉛ STOP
- ㉜ CLIMB BLOCK RETAINING WALL
- ㉝ CLIMB CONCRETE
- ㉞ RETURNING CONCRETE
- ㉟ CLIMB CONCRETE
- ㊱ CLIMB CONCRETE
- ㊲ CRUSHED SLUG
- ㊳ WHITE CLAY

TOPOGRAPHIC PLAN OF LAND

HAVRILL, MASSACHUSETTS

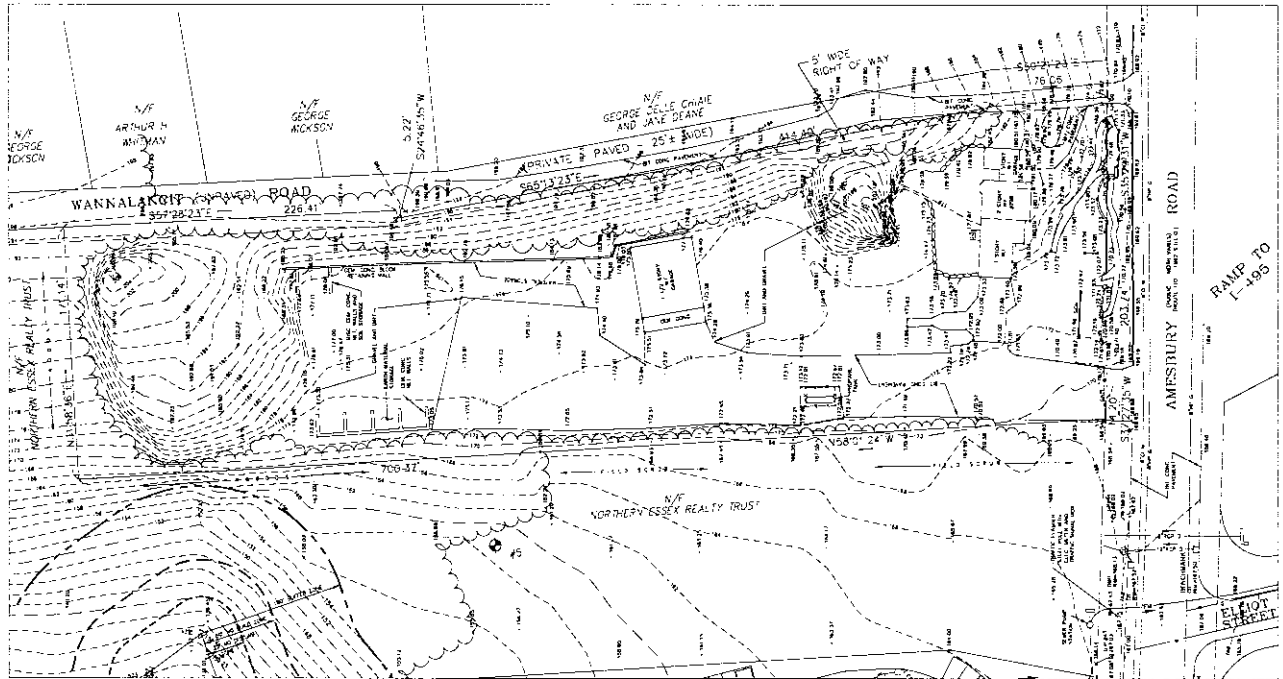
PREPARED FOR
KAYROUZ REALTY

16 EAST MAIN STREET
WESTBOROUGH, MASSACHUSETTS 01581

DATE: NOVEMBER 10, 2015

SCALE: 1" = 40'

MERRIMACK ENGINEERING SERVICES
60 PARK STREET
ANDOVER, MASSACHUSETTS 01810
PHONE: (978) 475-3555 FAX: (978) 475-1441
EMAIL: MERRIMACK@MERRIMACK.COM



CC 3p 22-4 HEARING April 26, 2022



FP-002A
(Rev. 1.2018)

The Commonwealth of Massachusetts
City/Town of Haverhill

Application For License

Massachusetts General Law, Chapter 148 §13

☒ New License ☐ Amended License

GIS Coordinates
LAT.
LONG.
License Number

Application is hereby made in accordance with the provisions of Chapter 148 of the General Laws of Massachusetts for a license to store flammables, combustibles or explosives on land in buildings or structures herein described.

Location of Land: 298 Amesbury Road, Map #465, Block #4, Lot #5B

Number, Street and Assessor's Map and Parcel ID

Attach a plot plan of the property indicating the location of property lines and all buildings or structures.

Owner of Land: Eddy Steven J.

Address of Land Owner: 298 Amesbury Road, Haverhill, MA

Use and Occupancy of Buildings and Structures: diesel fueling facility with convenience store

If this is an application for amendment of an existing license, indicate date of original license and any subsequent amendments

Attach a copy of the current license

Flammable and Combustible Liquids, Flammable Gases and Solids

Complete this section for the storage of flammable and combustible liquids, solids, and gases; see 527 CMR 1.00 Table 1.12.8.50; Attach additional pages if needed. All tanks and containers are considered full for the purposes of licensing and permitting.

PRODUCT NAME	CLASS	MAXIMUM QUANTITY	UNITS gal., lbs, Cubic feet gal	CONTAINER UST, AST, IBC, drums UST
Diesel Fuel	II	32,000		

IN CITY COUNCIL: July 26 2022

NOT PASSED

Attest:

City Clerk

Total quantity of all flammable liquids to be stored: none

Total quantity of all combustible liquids to be stored: 32,000 gallons

Total quantity of all flammable gases to be stored: none

Total quantity of all flammable solids to be stored: none

IN CITY COUNCIL: June 21 2022

CONTINUED TO JULY 26 2022

Attest:

City Clerk

IN CITY COUNCIL: April 5 2022

VOTED: that COUNCIL HEARING BE HELD APRIL 26 2022

Attest:

IN CITY COUNCIL: April 26 2022

CONTINUED TO MAY 24 2022

Attest:

City Clerk

IN CITY COUNCIL: May 24 2022

CONTINUED TO JUNE 21 2022

Attest:

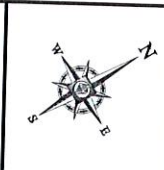
City Clerk

Kayrouz Petroleum
298 Amesbury Road





LAND USE / ZONING INFORMATION & NOTES



ZONING ANALYSIS TABLE			
ZONING DISTRICT	COMMITTEE NUMBER	COMMITTEE DATE	COMMITTEE ACTION
CH	1	10/10/17	APPROVED
CH	2	10/10/17	APPROVED
CH	3	10/10/17	APPROVED
CH	4	10/10/17	APPROVED
CH	5	10/10/17	APPROVED
CH	6	10/10/17	APPROVED
CH	7	10/10/17	APPROVED
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CH	97	10/10/17	APPROVED
CH	98	10/10/17	APPROVED
CH	99	10/10/17	APPROVED
CH	100	10/10/17	APPROVED

NOTES:
 1. THE ZONING DISTRICTS SHOWN ON THIS MAP ARE BASED ON THE ZONING MAP OF THE CITY OF AMESBURY, MASSACHUSETTS, AS AMENDED BY THE ZONING BOARD OF THE CITY OF AMESBURY, MASSACHUSETTS, ON OCTOBER 10, 2017.
 2. THE ZONING DISTRICTS SHOWN ON THIS MAP ARE BASED ON THE ZONING MAP OF THE CITY OF AMESBURY, MASSACHUSETTS, AS AMENDED BY THE ZONING BOARD OF THE CITY OF AMESBURY, MASSACHUSETTS, ON OCTOBER 10, 2017.
 3. THE ZONING DISTRICTS SHOWN ON THIS MAP ARE BASED ON THE ZONING MAP OF THE CITY OF AMESBURY, MASSACHUSETTS, AS AMENDED BY THE ZONING BOARD OF THE CITY OF AMESBURY, MASSACHUSETTS, ON OCTOBER 10, 2017.
 4. THE ZONING DISTRICTS SHOWN ON THIS MAP ARE BASED ON THE ZONING MAP OF THE CITY OF AMESBURY, MASSACHUSETTS, AS AMENDED BY THE ZONING BOARD OF THE CITY OF AMESBURY, MASSACHUSETTS, ON OCTOBER 10, 2017.
 5. THE ZONING DISTRICTS SHOWN ON THIS MAP ARE BASED ON THE ZONING MAP OF THE CITY OF AMESBURY, MASSACHUSETTS, AS AMENDED BY THE ZONING BOARD OF THE CITY OF AMESBURY, MASSACHUSETTS, ON OCTOBER 10, 2017.
 6. THE ZONING DISTRICTS SHOWN ON THIS MAP ARE BASED ON THE ZONING MAP OF THE CITY OF AMESBURY, MASSACHUSETTS, AS AMENDED BY THE ZONING BOARD OF THE CITY OF AMESBURY, MASSACHUSETTS, ON OCTOBER 10, 2017.
 7. THE ZONING DISTRICTS SHOWN ON THIS MAP ARE BASED ON THE ZONING MAP OF THE CITY OF AMESBURY, MASSACHUSETTS, AS AMENDED BY THE ZONING BOARD OF THE CITY OF AMESBURY, MASSACHUSETTS, ON OCTOBER 10, 2017.
 8. THE ZONING DISTRICTS SHOWN ON THIS MAP ARE BASED ON THE ZONING MAP OF THE CITY OF AMESBURY, MASSACHUSETTS, AS AMENDED BY THE ZONING BOARD OF THE CITY OF AMESBURY, MASSACHUSETTS, ON OCTOBER 10, 2017.
 9. THE ZONING DISTRICTS SHOWN ON THIS MAP ARE BASED ON THE ZONING MAP OF THE CITY OF AMESBURY, MASSACHUSETTS, AS AMENDED BY THE ZONING BOARD OF THE CITY OF AMESBURY, MASSACHUSETTS, ON OCTOBER 10, 2017.
 10. THE ZONING DISTRICTS SHOWN ON THIS MAP ARE BASED ON THE ZONING MAP OF THE CITY OF AMESBURY, MASSACHUSETTS, AS AMENDED BY THE ZONING BOARD OF THE CITY OF AMESBURY, MASSACHUSETTS, ON OCTOBER 10, 2017.

NEW SIDEWALK CONSTRUCTION SHALL BE ADA COMPLIANT WITH EDOGS OF NEW SIDEWALK AND ANY RAILINGS BEING INSTALLED A MINIMUM OF 24" FROM THE DOOR LATCH.

THIS PLAN TO BE UTILIZED FOR SITE LAYOUT PURPOSES ONLY.



BOHLER ENGINEERING
 300 TOWNSEND BLVD
 SOUTH DORSET, MA 01907
 TEL: 508-326-1111
 FAX: 508-326-1112
 WWW.BOHLER-ENGINEERING.COM

REV	DATE	DESCRIPTION
1	10/10/17	INITIAL CONCEPT
2	10/10/17	REVISIONS
3	10/10/17	REVISIONS
4	10/10/17	REVISIONS
5	10/10/17	REVISIONS
6	10/10/17	REVISIONS
7	10/10/17	REVISIONS
8	10/10/17	REVISIONS
9	10/10/17	REVISIONS
10	10/10/17	REVISIONS

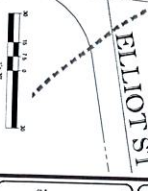
PERMIT SET
 PROJECT NO. 17-001
 CLIENT: KAVROUZ REALTY, LLC
 LOCATION: 1000 W. 1ST ST, AMESBURY, MA 01921
 SCALE: 1" = 100'

SITE DEVELOPMENT PLANS
 KAVROUZ REALTY, LLC
 1000 W. 1ST ST, AMESBURY, MA 01921
 TEL: 508-326-1111
 FAX: 508-326-1112
 WWW.KAVROUZREALTY.COM

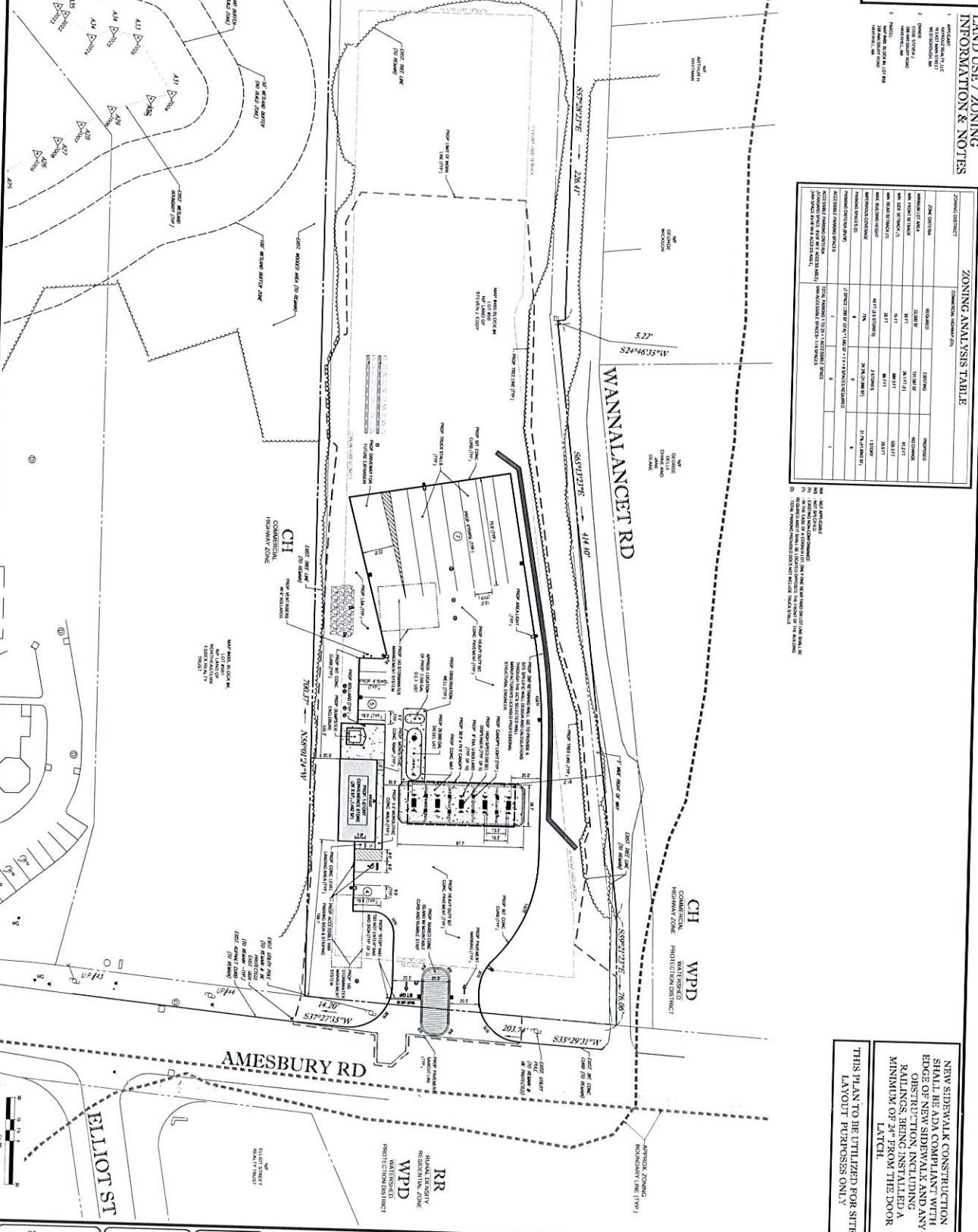
BOHLER ENGINEERING
 300 TOWNSEND BLVD
 SOUTH DORSET, MA 01907
 TEL: 508-326-1111
 FAX: 508-326-1112
 WWW.BOHLER-ENGINEERING.COM

J.G. SWEETING
 PROFESSIONAL ENGINEER
 100 W. 1ST ST, AMESBURY, MA 01921
 TEL: 508-326-1111
 FAX: 508-326-1112
 WWW.JGSWEETING.COM

SITE PLAN
 C-201



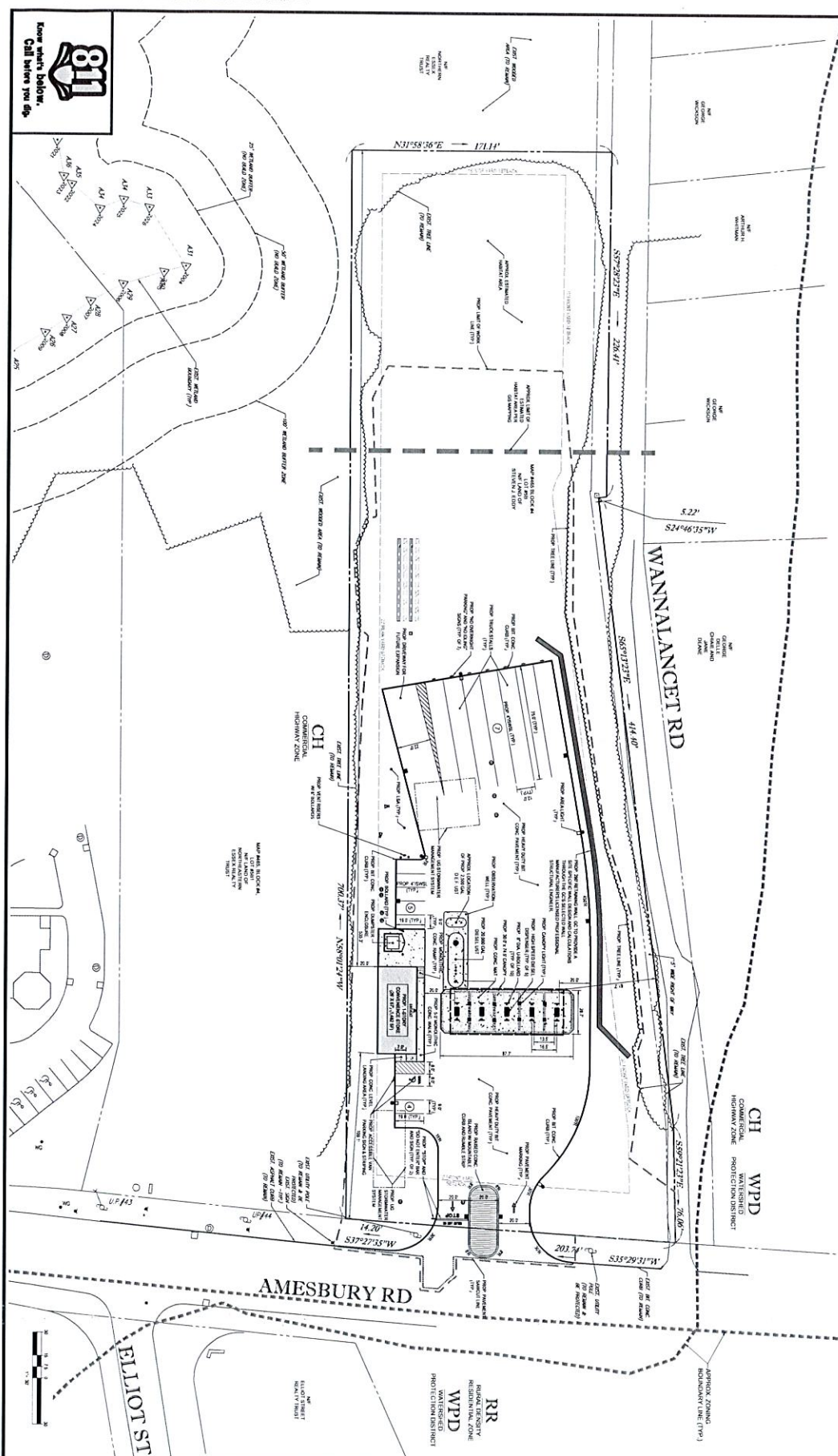
811
 Know what's below.
 Call before you dig.



[illegible]

- NOT AVAILABLE
- NOT SPECIFIED
- EXISTING NON-CORROSION
- IN THE CASE OF A CORROSION LOT, ONLY ONE REAR VANDER LOT SHALL BE REQUIRED AND IT SHALL BE LOCATED OPPOSITE THE FRONT OF THE BUILDING
- TOTAL PARKING PROVIDED DOES NOT INCLUDE TRUCK STALLS

THIS PLAN TO BE UTILIZED FOR SITTING LAYOUT PURPOSES ONLY.





BOHLERTM

ENGINEERING

SITE (CIVIL AND CONSULTING) ENGINEERING
DESIGN AND SURVEYING PROGRAM MANAGEMENT LANDSCAPE ARCHITECTURE
ENVIRONMENTAL DESIGN PERMITTING SERVICES TRANSPORTATION DESIGN

• UPLISTATE NEW YORK	• PLUMMER, NJ	• BATAVIA, MO	• CHALLOTTE, NC
• NEW YORK, NY	• PRINCETON, PA	• NORTH MORTLAND, VA	• ATLANTA, GA
• NEW YORK, NY	• PITTSBURGH, PA	• NORTH VIRGINIA	• TAMPA, FL
• NEW YORK, NY	• PHILADELPHIA, PA	• CENTRAL VIRGINIA	• SOUTH FLORIDA
• NEW YORK, NY	• RICHMOND, VA	• PALM BEACH, FL	• MIAMI, FL
• NORTH HAVEN, CT	• RICHMOND BEACH, FL	• WASHINGTON, DC	

WE CONDUCT DESIGN AND SURVEYING SERVICES THROUGHOUT THE UNITED STATES AND THROUGHOUT THE WORLD. WE ARE CURRENTLY ACCEPTING NEW CLIENTS AND PROJECTS IN THE FOLLOWING AREAS: AIRPORTS, HIGHWAYS, BRIDGES, CANALS, AND WATERWAYS. WE ARE CURRENTLY ACCEPTING NEW CLIENTS AND PROJECTS IN THE FOLLOWING AREAS: AIRPORTS, HIGHWAYS, BRIDGES, CANALS, AND WATERWAYS.

RELEASES				
ENTRY	DATE	CLAIMANT	REF	FILE
1	02/17/05	REVIEW CONNECTION	None	
2	04/07/05	REVIEW OF EVIDENCE	None	
3	08/05/05	INDICED BY REF. 11: 2pg	None	
4	08/05/05	CONNECTIONS	None	
5	08/05/05	REVIEW OF EVIDENCE	None	
6	11/22/05	REVIEW OF EVIDENCE	None	
7		REVIEW OF EVIDENCE	None	
8			None	
9			None	
10			None	
11			None	
12			None	
13			None	
14			None	
15			None	

PERMITS
SET

PROJECT C.T. No.	WT-18-1799
DRAWN BY	NL WICKZMAN
CHECKED BY	JMG
DATE	7/17/2018
BASIC	AS NOTED
CNO. I.D.	W1817180308

DEVELOPMENT
PLANS
—FOR—
KAYROUZ

LOCATION OF SITE
Map #460, Block #4, Lot #58
208 AMHERST ROAD
TOWN OF HAVERHILL
ESSEX COUNTY,
MASSACHUSETTS

 **BOHLER**
ENGINEERING

352 TURNPIKE ROAD
SOUTH BORDEN, MA 01772

Phone: (508) 455-9900
FAX: (508) 455-9080

www.BohlerEngineering.com

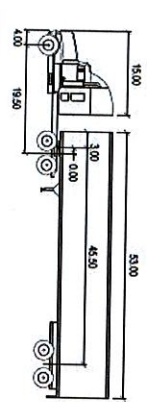
J.G. SWEHLING
PROFESSIONAL ENGINEER
SWEHLING & ASSOCIATES, INC.
10000 W. 10TH AVE., SUITE 100
DENVER, CO 80231
(303) 751-1100

SHEET TITLE
SITE PLAN

C-201

DATE: 7 NOVEMBER 84

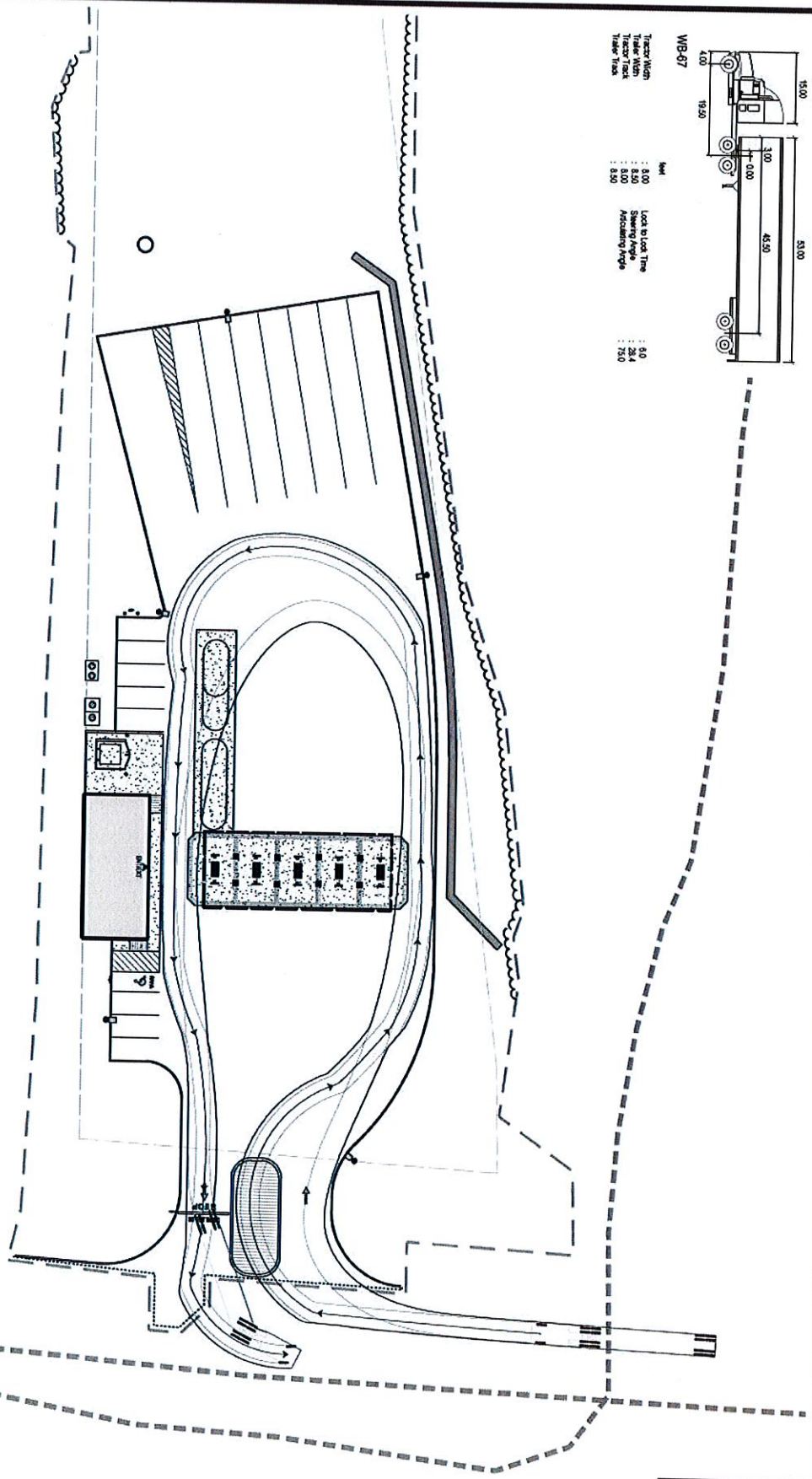
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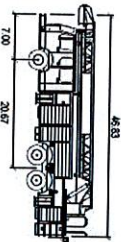


Tractor Width	: 8.00	Load to Lock Time	: 5.0
Tractor Width	: 8.50	Steering Angle	: 28.4
Tractor Track	: 8.00	Articulating Angle	: 75.0
Tractor Wheel	: 8.50		



TRUCK TURN
EXHIBIT EX-01
298 AMESBURY STREET
HAVERHILL, MASSACHUSETTS
SCALE 1"=40'
DATE 10/22/78



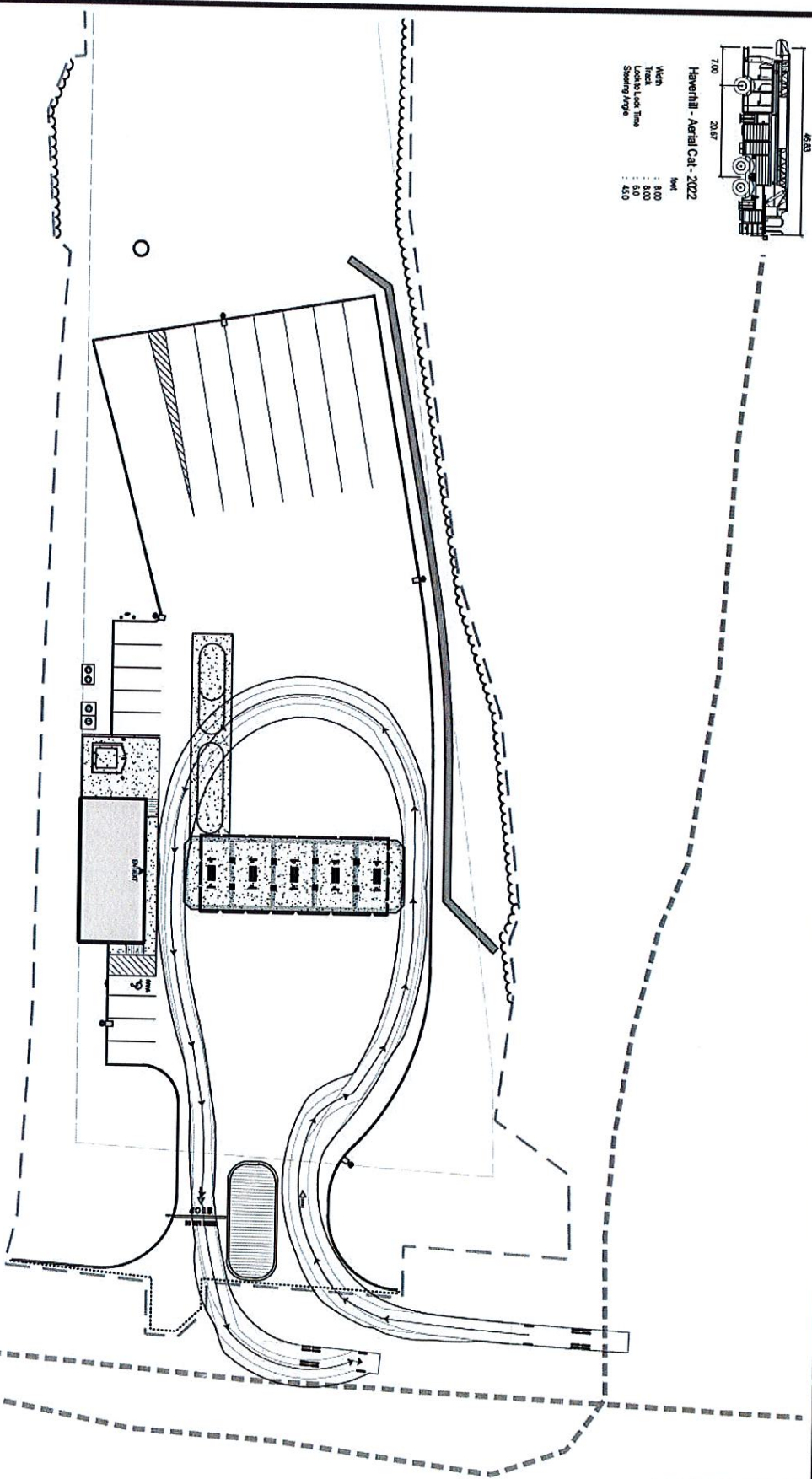


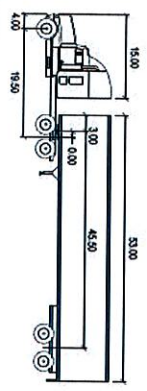
Haverhill - Aerial Cat - 2022

Width : 8'00"
Height : 8'00"
Length : 46'53"
Turning Radius : 42'0"

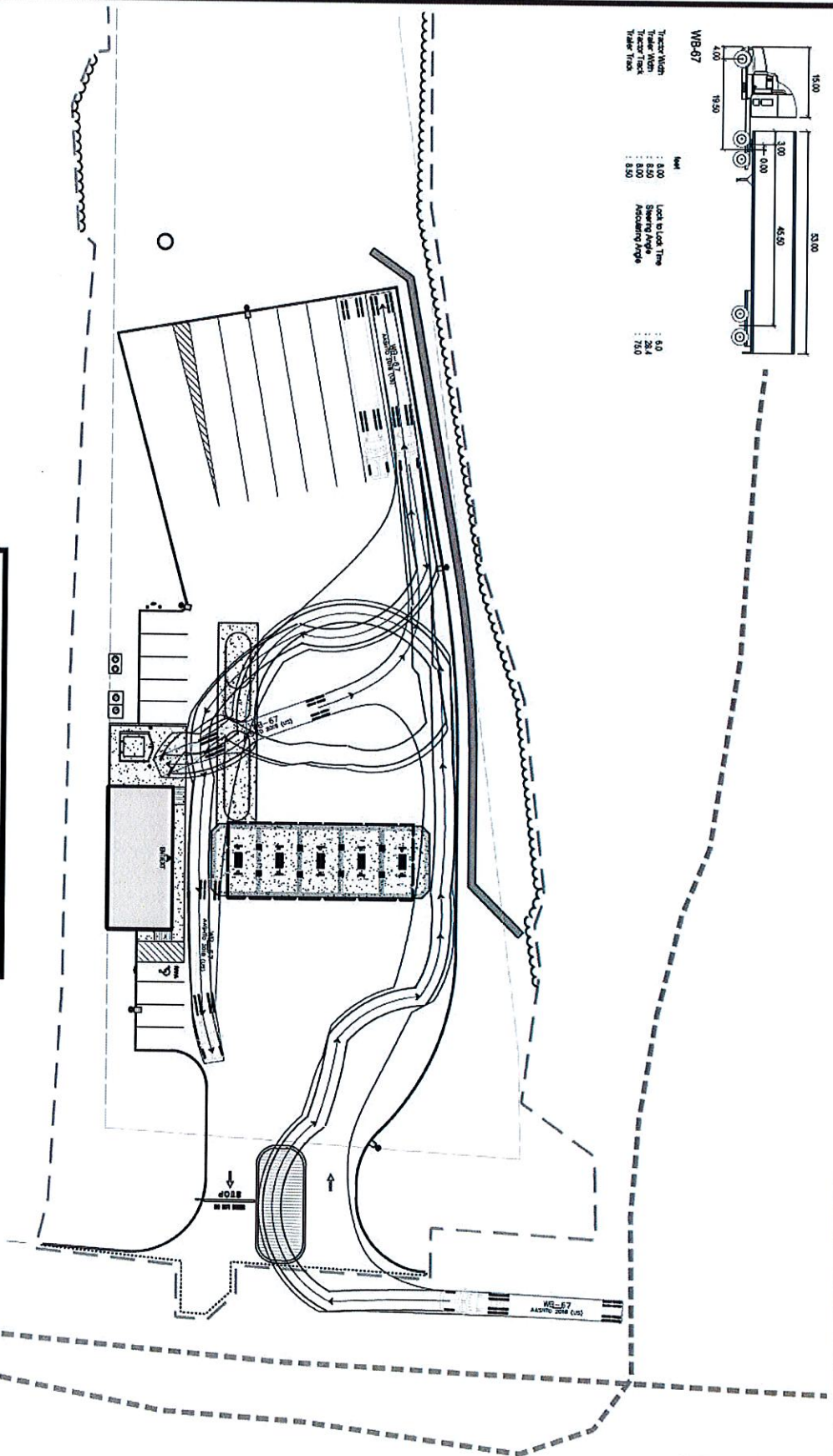


TRUCK TURN
EXHIBIT EX-02
298 AMESBURY STREET
HAVERHILL, MASSACHUSETTS
SCALE 1"=40'
DATE 10/22/24

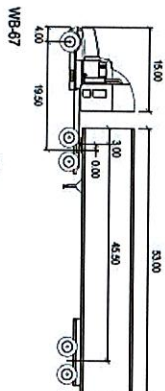




WB-67			
Tractor Width	8.00	Lock to Lock Time	6.0
Tractor Length	8.50	Shoring Angle	38.4
Tractor Tack	8.50	Assembling Angle	75.0
Tractor Tack	8.50		



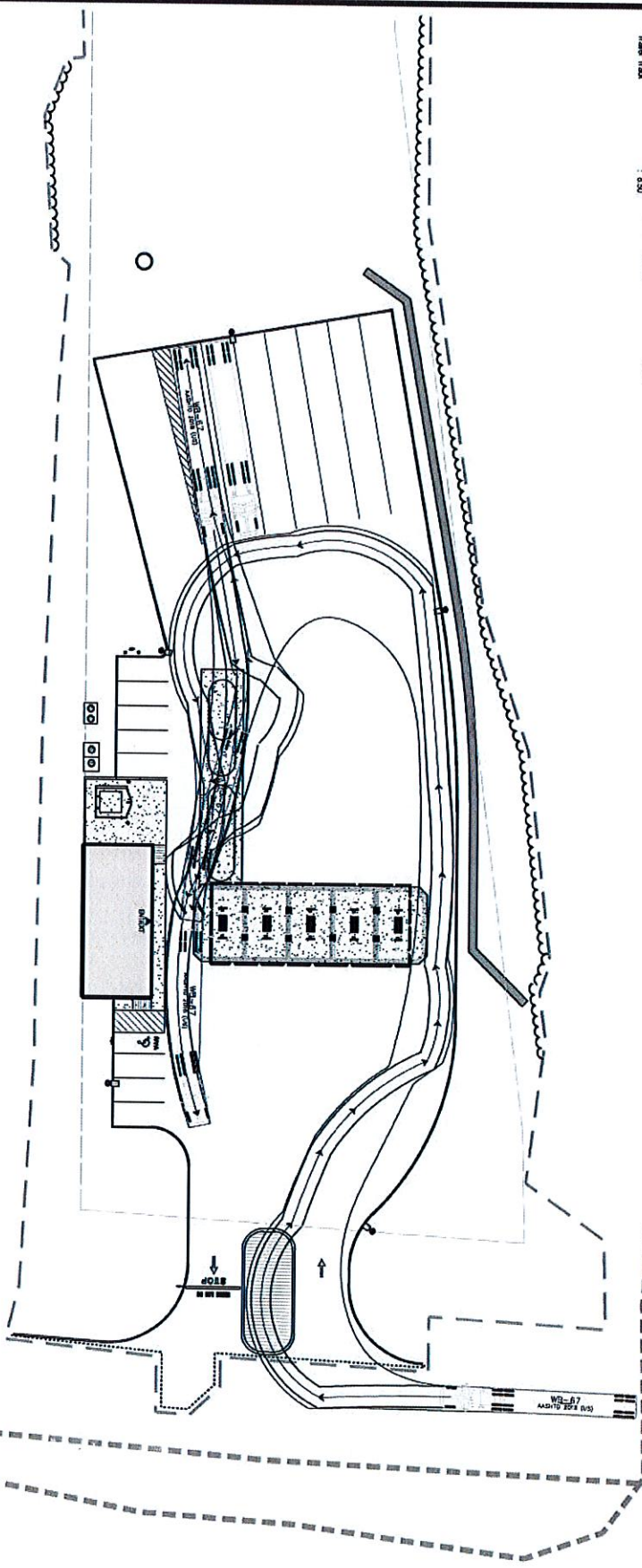
TRUCK TURN
EXHIBIT EX-03
298 AMESBURY STREET
HAVERHILL, MASSACHUSETTS
SCALE 1"=40'
DATE 10/22/24

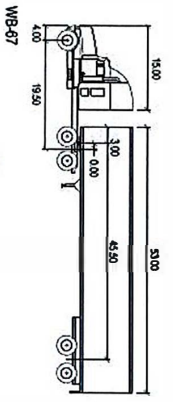


WB-67	Unit	Look to Look Time	8.0
Tractor Unit	8.00	Swing Angle	28.4
Tractor Unit	8.00	Rotating Angle	75.0
Tractor Unit	8.00		
Tractor Unit	8.00		

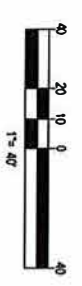
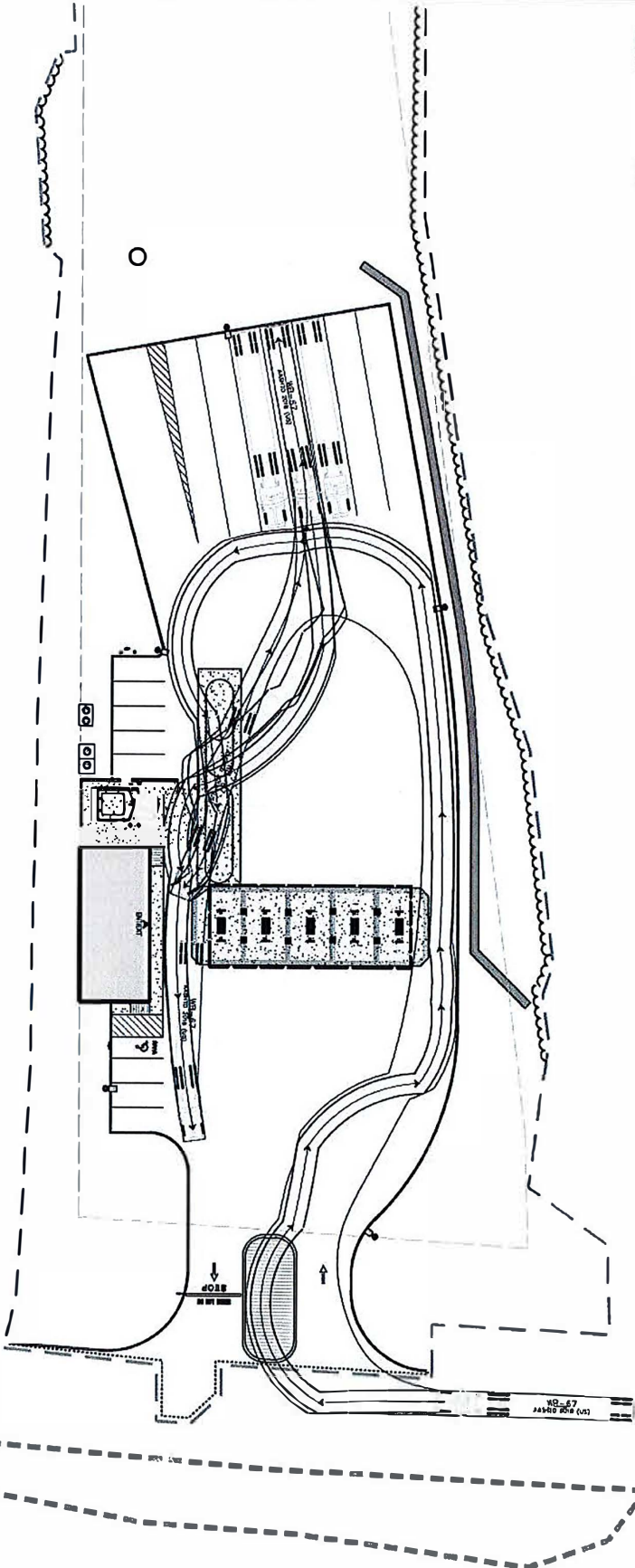


TRUCK TURN
EXHIBIT EX-04
298 AMESBURY STREET
HAVERHILL, MASSACHUSETTS
SCALE 1"=40'
DATE 10/22/24

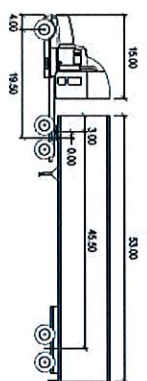




WB-67			
Truck Weight	1.00	Lead to Load Time	1.00
Truck Width	1.00	Speed of Travel	28.4
Truck Height	1.00	Acceleration	75.0
Truck Type	1.00		

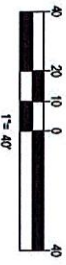
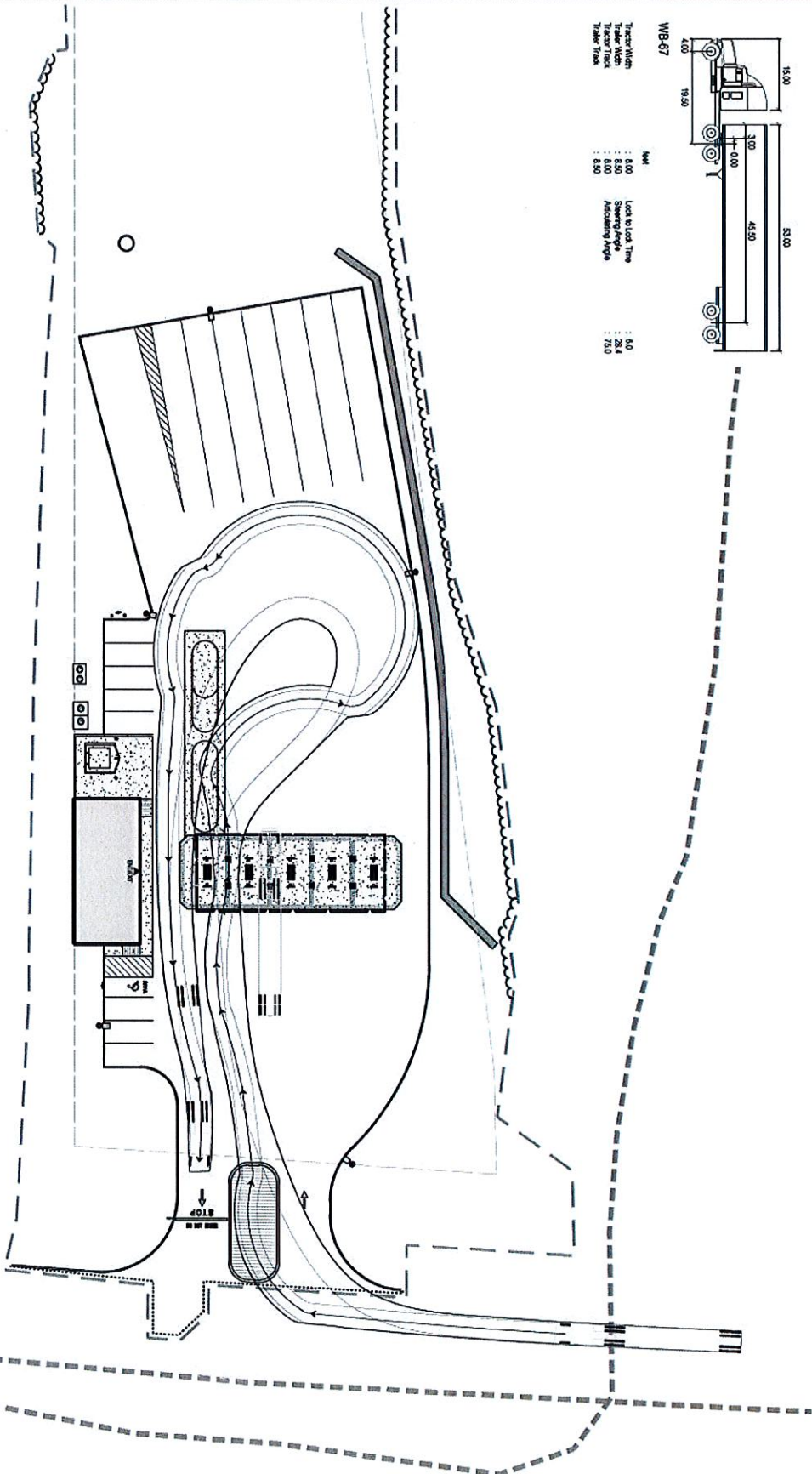


TRUCK TURN
EXHIBIT EX-05
298 AMESBURY STREET
HAVERHILL, MASSACHUSETTS
SCALE 1"=40'
DATE: 10/22/24



WB-67

Tractor Width	8.00	Lock to Lock Time	8.00
Tractor Depth	8.00	Shoring Setup	20.00
Tractor Time	8.00	Accident Setup	10.00
Tractor Time	8.00		

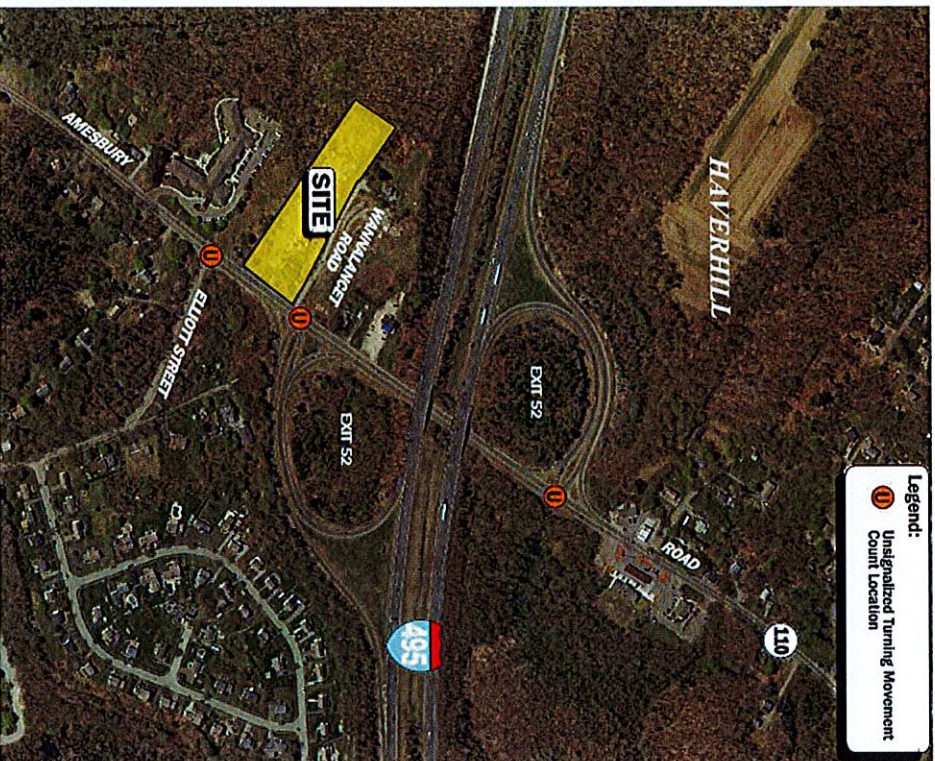


TRUCK TURN
EXHIBIT EX-06
298 AMESBURY STREET
HAVERHILL, MASSACHUSETTS
SCALE 1/8" = 1'-0"
DATE 10/22/06



TIA Study Area

298 Amesbury Road



Items for Study:

Traffic Volumes
Vehicle Speeds
Crash Data
Sight Distances
Trip Generation
Traffic Operations

- Traffic study reviewed traffic counts and project traffic impacts for weekday morning, weekday evening, and Saturday midday time periods.
- Study is consistent with state and local guidelines for preparation of TIA's.
- Trip generation is based on counts of 2 existing comparable facilities.
- Site meets recommendations for sight distance based on observed speeds of 44 mph.

Kayrouz Realty, LLC

Project Trip Generation

298 Amesbury Road

Time Period/ Directional Distribution	Vehicle Trips
Weekday Daily	106
Weekday Morning Peak Hour: Entering <u>Exiting</u> Total	12 <u>11</u> 23
Weekday Evening Peak Hour: Entering <u>Exiting</u> Total	6 <u>6</u> 12
Saturday Daily	46
Saturday Midday Peak Hour: Entering <u>Exiting</u> Total	5 <u>5</u> 10

- Not a truck stop: no showers, no sleeping facilities, no groceries/souvenirs/clothing items, etc.
- Vehicle fueling facility, based on counts of comparable sites in Leominster and Bow
- Most trips are made on way to or from primary location (pass-by).
- Approximately 90% of traffic expected from I-495, 5% of traffic from north and south on Amesbury Road.
- Peak-hour traffic increases range between 2 and 10 trips or 0.1 to 1.4% outside of the study area.

Traffic Study Conclusions

298 Amesbury Road



- Minimal traffic increases (less than 1.5%)
- Sight distance exceeds design guide recommendations
- No changes in peak-hour LOS or vehicle queues at study area intersections over No Build conditions
- Comments from City Engineer related to curb cut location, MassDOT permitting, and future business park connection were received and responded to August 2024. City Engineer satisfied with responses as noted in Sep. 15, 2025 posting to city website.
- Applicant will agree to a follow-up study to review traffic impacts and provide a copy of MassDOT Access Permit when obtained.

Kayrouz Realty, LLC

[illegible]

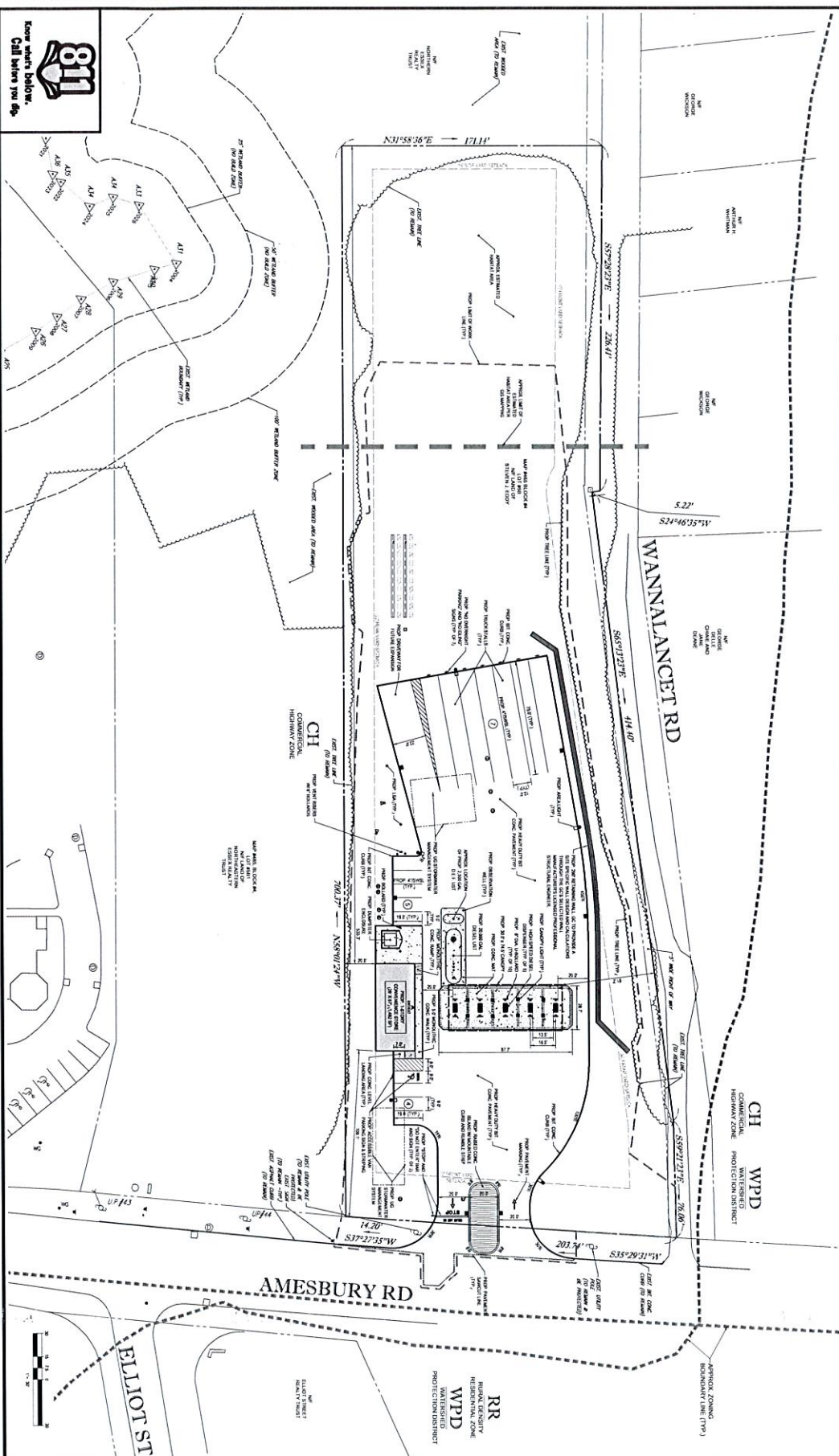
- NA - NOT APPLICABLE
- NS - NOT SPECIFIED
- N - EXISTING NON-CONFORMANCE
- T - IN THE CASE OF A CORNER LOT, ONE (1) SIDE REAR YARD OR LOT REQUIRED AND IT SHALL BE LOCATED OPPOSITE THE FRONT OR
- S - TOTAL PARKING PROVIDED DOES NOT INCLUDE TRUCK STALL

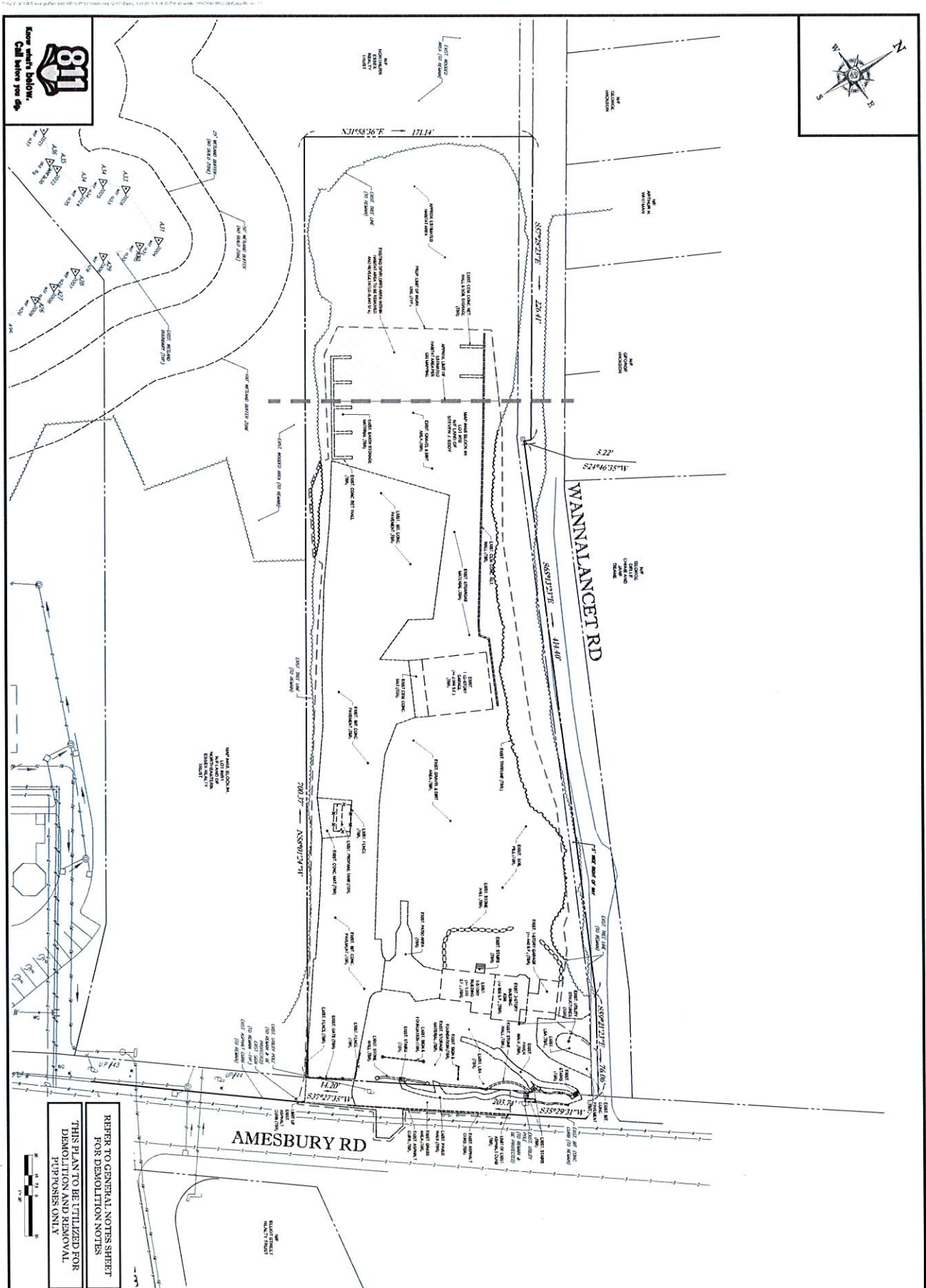
17 LAM, SHING, HO
© 1991, BELL & HOWELL
2

1

	SITE OF	1
	VEYING	2
	ABLE DESIGN	3
	TE NEW YORK	4
	INGLAND	5
IL MA	6	
ORK, NY	7	
ORK METHOD	8	
NERN NEW JERSEY	9	
IN 1989 WITH THE USE OF THE RECOVERED FLOORING		

NEW SIDEWALK CONSTRUCTION SHALL BE ADA COMPLIANT WITH EDGE OF NEW SIDEWALK AND ANY OBSTRUCTION, INCLUDING RAILINGS, BEING INSTALLED A MINIMUM OF 24" FROM THE DOOR LATCH.

[illegible]



BOHLER ENGINEERING

101 CANTON STREET, SUITE 200
 NEWTON, MASSACHUSETTS 02459
 TEL: 617.552.1234 FAX: 617.552.1235
 WWW.BOHLENGINEERING.COM

BOHLER ENGINEERING

101 CANTON STREET, SUITE 200
 NEWTON, MASSACHUSETTS 02459
 TEL: 617.552.1234 FAX: 617.552.1235
 WWW.BOHLENGINEERING.COM

REVISIONS

REV.	DATE	COMMENTS	BY
1	01/17/10	STARTED CONSTRUCTION	BOH
2	02/03/10	STARTED SYSTEM	BOH
3	02/10/10	STARTED SYSTEM	BOH
4	02/17/10	STARTED SYSTEM	BOH
5	02/24/10	STARTED SYSTEM	BOH
6	03/03/10	STARTED SYSTEM	BOH
7	03/10/10	STARTED SYSTEM	BOH
8	03/17/10	STARTED SYSTEM	BOH
9	03/24/10	STARTED SYSTEM	BOH
10	03/31/10	STARTED SYSTEM	BOH
11	04/07/10	STARTED SYSTEM	BOH
12	04/14/10	STARTED SYSTEM	BOH
13	04/21/10	STARTED SYSTEM	BOH
14	04/28/10	STARTED SYSTEM	BOH
15	05/05/10	STARTED SYSTEM	BOH
16	05/12/10	STARTED SYSTEM	BOH
17	05/19/10	STARTED SYSTEM	BOH
18	05/26/10	STARTED SYSTEM	BOH
19	06/02/10	STARTED SYSTEM	BOH
20	06/09/10	STARTED SYSTEM	BOH
21	06/16/10	STARTED SYSTEM	BOH
22	06/23/10	STARTED SYSTEM	BOH
23	06/30/10	STARTED SYSTEM	BOH
24	07/07/10	STARTED SYSTEM	BOH
25	07/14/10	STARTED SYSTEM	BOH
26	07/21/10	STARTED SYSTEM	BOH
27	07/28/10	STARTED SYSTEM	BOH
28	08/04/10	STARTED SYSTEM	BOH
29	08/11/10	STARTED SYSTEM	BOH
30	08/18/10	STARTED SYSTEM	BOH
31	08/25/10	STARTED SYSTEM	BOH
32	09/01/10	STARTED SYSTEM	BOH
33	09/08/10	STARTED SYSTEM	BOH
34	09/15/10	STARTED SYSTEM	BOH
35	09/22/10	STARTED SYSTEM	BOH
36	09/29/10	STARTED SYSTEM	BOH
37	10/06/10	STARTED SYSTEM	BOH
38	10/13/10	STARTED SYSTEM	BOH
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43	11/17/10	STARTED SYSTEM	BOH
44	11/24/10	STARTED SYSTEM	BOH
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47	12/15/10	STARTED SYSTEM	BOH
48	12/22/10	STARTED SYSTEM	BOH
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63	04/05/11	STARTED SYSTEM	BOH
64	04/12/11	STARTED SYSTEM	BOH
65	04/19/11	STARTED SYSTEM	BOH
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72	06/07/11	STARTED SYSTEM	BOH
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74	06/21/11	STARTED SYSTEM	BOH
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76	07/05/11	STARTED SYSTEM	BOH
77	07/12/11	STARTED SYSTEM	BOH
78	07/19/11	STARTED SYSTEM	BOH
79	07/26/11	STARTED SYSTEM	BOH
80	08/02/11	STARTED SYSTEM	BOH
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85	09/06/11	STARTED SYSTEM	BOH
86	09/13/11	STARTED SYSTEM	BOH
87	09/20/11	STARTED SYSTEM	BOH
88	09/27/11	STARTED SYSTEM	BOH
89	10/04/11	STARTED SYSTEM	BOH
90	10/11/11	STARTED SYSTEM	BOH
91	10/18/11	STARTED SYSTEM	BOH
92	10/25/11	STARTED SYSTEM	BOH
93	11/01/11	STARTED SYSTEM	BOH
94	11/08/11		

10.3

Document # 100

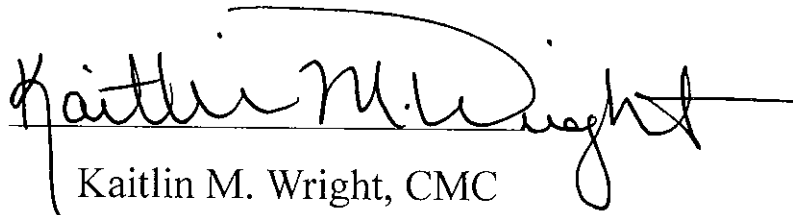
SPFL-25-2; Guy Bresnahan for Broco Energy requests to store an additional 30,000 gallons of propane in an above ground storage tank, three additional propane transport trailer trucks with a tank capacity of 12,600 gallons each for a total storage increase of 37,800 gallons of truck storage, and 8,000 gallons in miscellaneous empty customer tank - the overall propane storage capacity is being increased by 75,800 gallons at 158 Hale St

IN CITY COUNCIL: SEPTEMBER 23, 2025

HEARING SCHEDULED FOR DECEMBER 2, 2025

9 YEAS, 0 NAYS, 2 ABSENT, 0 ABSTENTATION

Attest:


Kaitlin M. Wright, CMC
City Clerk

Special Permit - Flammable Fuel Storage**SPFL-25-2**

Submitted On: Jun 2, 2025

Applicant

 Guy Bresnahan
 978 270-0505
@ gbresnahan@brocooil.com

Primary Location

168 HALE ST
Haverhill, MA 01830

12.6

Important: Please Read Before Starting Your Application

SEP 19 AM 11:47
HAVERHILL CLERK

Applicant Information

Is this application a new license or an amendment to an existing license?

Amendment

IF OTHER, please specify

--

Applicant or Business/Firm Phone

781-246-1130

Applicant or Business/Firm City

Haverhill

Applicant or Business/Firm Zip Code

01830

Name of Licensee

Broco Terminals LLC

Contact Information for Licensee (Email and Phone Number)

gbresnahan@brocoenergy.com 978-270-0505

If amendment, please indicate date of original license

October 27, 2020

What is Your Role in this Process?

Representative of Applicant

Applicant or Business/Firm Name

Broco Energy

Applicant or Business/Firm Address

168 Hale Street

Applicant or Business/Firm State

MA

Business Structure

Limited Liability Corporation (LLC)

Address of Licensee

168 Hale Street

Land Information

Location of Land

168 Hale Street

Address of Land Owner

7 Regency Ridge Andover MA 01810

GIS Coordinants

latitude 42.784, longitude -71.089

Owner of Land

Beehive Realty IIC

Use and Occupancy of Buildings and Structures

Fuel storage and distribution

Flammable and Combustible Liquids, Flammable Gases, and Solids

Product Name

LNG Propane

Maximum Quantity of Tank Storage

90,000

Container

Aboveground Storage Tank

Total quantity of all flammable liquids to be stored

392,000 gallons

Total quantity of all flammable gases to be stored

185,800 - all proposed AST's, truck tanks and misc. containers

Class of Flammable or Combustible

Class 1

Units

Gallons

IF OTHER, please specify

plus 49,800 truck storage + 18,000 gallons assorted customer tanks

Total quantity of all combustible liquids to be stored

392,000 - Class II & IIIB liquid fuels

Total quantity of all flammables solids to be stored

n/a

LP Gas or Propane Information

Will you have LP gas or propane?

Yes

Maximum quantity (in gallons) of LP gas to be stored in aboveground containers

120,000 gallons plus 49,800 gallons in delivery truck tanks and 18,000 in assorted new customer tanks

List sizes and capacities of all aboveground containers used for storage

(3) 30,000 horizontal AST (two current one proposed, one future 30k expansion AST)

Maximum quantity (in gallons) of LP gas to be stored in underground containers

n/a

List sizes and capacities of all underground containers used for storage

n/a

Total aggregate quantity of all LP gas to be stored:

185,800 gallons

Explosives Information

Will you have explosives?

No

Emergency Contact Information

Emergency Contact Name

Kris Ellis . COO

Emergency Contact Phone Number

978-228-0613

Acknowledgement

I, _____, hereby attest that I am authorized to make this application. I acknowledge that the information contained herein is accurate and complete to the best of my knowledge and belief. I acknowledge that all materials stored pursuant to any license granted hereunder must be stored or kept in accordance with all applicable laws, codes, rules and regulations, including but not limited to Massachusetts Chapter 148, and the Massachusetts Fire Code (527 CMR 1.00). I further acknowledge that the storage of any material specified in any license granted hereunder may not exceed the maximum quantity specified by the license.

true

about:blank

Electronically Sign Here:

Guy Bresnahan

Signor's Role

Representative of Applicant



Fire Chief Approval

Record No.SPFL-25-2

Status Completed

Became Active June 2, 2025

Type Approval

Due Date None

Assignee Eric Tarpy

Record No: SPFL-25-2

Special Permit - Flammable Fuel Storage

Status: Active

Submitted On: 6/2/2025

Primary Location

168 HALE ST
Haverhill, MA 01830

Owner

BEEHIVE REALTY, LLC
HALE ST 168 HAVERHILL, MA 01830

Applicant



Guy Bresnahan



978-270-0505



gbresnahan@brococoil.com



168 Hale Street
Haverhill, MA 01830

Messages

Kaitlin Wright 🔒 Internal

July 23, 2025 at 3:48 pm

Thank you for the info!

Eric Tarpy 🔒 Internal

July 23, 2025 at 3:47 pm

@Kaitlin Wright Hi Kaitlin, Fire will be meeting with Guy next Tuesday the 29th to go over some additions/subtractions to the submittals for the license. These additions are at the suggestion of the State Fire Marshall's code compliance officer, Atty Lisa Meade and our office.

Kaitlin Wright 🔒 Internal

July 23, 2025 at 2:05 pm

@Eric Tarpy do you have an update? Guy called to check in today.

Kaitlin Wright

July 1, 2025 at 11:49 am

Guy, please review and correct your description. First sentence says increase of 60,000 gallons to get to 120 gallons – but I believe it should read 120,000 gallons. Please review the entire document for errors. Thank you!

Step Activity

OpenGov system activated this step

06/02/2025 at 2:32 pm

OpenGov system assigned this step to Robert O'Brien

06/02/2025 at 2:32 pm

Kaitlin Wright reassigned this step from Robert O'Brien to Eric Tarpy

06/02/2025 at 3:02 pm

Eric Tarpy approved this step

09/05/2025 at 7:52 am



Tax Check

Record No.SPFL-25-2

Status Completed

Became Active June 2, 2025

Type Approval

Due Date None

Assignee Lynn Spitalere

Record No: SPFL-25-2

Special Permit - Flammable Fuel Storage

Status: Active

Submitted On: 6/2/2025

Primary Location

168 HALE ST
Haverhill, MA 01830

Owner

BEEHIVE REALTY, LLC
HALE ST 168 HAVERHILL, MA 01830

Applicant

 Guy Bresnahan
 978-270-0505
 gbresnahan@brocooil.com
 168 Hale Street
Haverhill, MA 01830

Messages

No comments yet.



Water Bill Check

Record No.SPFL-25-2

Status Completed

Became Active August 13, 2025

Type Approval

Due Date None

Assignee Elizabeth Remmes

Record No: SPFL-25-2

Special Permit - Flammable Fuel Storage

Status: Active

Submitted On: 6/2/2025

Primary Location

168 HALE ST
Haverhill, MA 01830

Owner

BEEHIVE REALTY, LLC
HALE ST 168 HAVERHILL, MA 01830

Applicant

 Guy Bresnahan
 978-270-0505
 gbresnahan@brocooil.com
 168 Hale Street
Haverhill, MA 01830

Messages

No comments yet.



City Clerk Review

Record No.SPFL-25-2

Status Completed

Became Active August 13, 2025

Type Approval

Due Date None

Assignee Kaitlin Wright

Record No: SPFL-25-2

Special Permit - Flammable Fuel Storage

Status: Active

Submitted On: 6/2/2025

Primary Location

168 HALE ST
Haverhill, MA 01830

Owner

BEEHIVE REALTY, LLC
HALE ST 168 HAVERHILL, MA 01830

Applicant

 Guy Bresnahan
 978-270-0505
 gbresnahan@brocooil.com
 168 Hale Street
Haverhill, MA 01830

Messages

Kaitlin Wright

August 13, 2025 at 9:52 am

Met with Guy this morning to update application based on Fire Department comments. Broco is seeking to amend their existing flammable license to increase capacity of propane. They are requesting to add one 30,000 gallon tank. They presently have 2 30,000 gallon tanks, so if this increase is approved – the aboveground tank capacity would be a total of 90,000 gallons of aboveground storage propane. Further, they are seeking to increase the license to add 3 transport tractor trailers that carry 12,600 gallons each – which would total 37,800 gallons. They are already permitted for 4 3,000 gallon bobtail trucks. Finally, they are seeking to increase their customer tank capacity (currently licensed at 8,000 gallons) and would like to increase by another 8,000 gallons to total 16,000 gallons. Overall, the total increase in propane storage would be 75,800 gallons. If approved, the total propane licensed capacity would be 155,800 gallons. Please note, their existing license covers the following – 318,000 gallons of fuel oil, 154,000 gallons of biofuel, and 80,000 gallons of propane.

Kaitlin Wright

June 3, 2025 at 11:00 am

Spoke with applicant, Guy Bresnahan, at length this morning. Broco is seeking to amend their existing flammable license to increase capacity of propane. They are requesting to add two 30,000 gallon tanks of propane for a total increase of 60,00 gallons. They presently have 2 30,000 gallons – so if this increase is approved – the aboveground tank capacity would be a total of 120,000 gallons of aboveground storage propane. Further, they are seeking to increase the license to add 3 transport tractor trailers that carry 12,600 gallons each – which would total 37,800 gallons. Finally, they are seeking to increase their customer tank capacity (currently licensed at 8,000 gallons) and would like to increase by another 8,000 gallons to total 16,000 gallons. Overall, the total increase in propane storage would be 105,800 gallons.

Step Activity

Kaitlin Wright assigned this step to Kaitlin Wright

08/13/2025 at 9:53 am

Kaitlin Wright activated this step

08/13/2025 at 9:53 am

Kaitlin Wright approved this step

08/13/2025 at 9:53 am



First Ad Placement

Record No.SPFL-25-2

Status Completed

Became Active September 24, 2025

Type Approval

Due Date None

Assignee Kaitlin Wright

Record No: SPFL-25-2

Special Permit – Flammable Fuel Storage

Status: Active

Submitted On: 6/2/2025

Primary Location

168 HALE ST
Haverhill, MA 01830

Owner

BEEHIVE REALTY, LLC
HALE ST 168 HAVERHILL, MA 01830

Applicant

 Guy Bresnahan
 978-270-0505
 gbresnahan@brococoil.com
 168 Hale Street
Haverhill, MA 01830

Messages

Kaitlin Wright

September 8, 2025 at 12:47 pm

Will be advertised in the Gazette on 11/13 and 11/20.



Building Inspector Review

Record No.SPFL-25-2

Status Active

Became Active September 24, 2025

Type Approval

Due Date None

Assignee Tom Bridgewater

Record No: SPFL-25-2

Special Permit - Flammable Fuel Storage

Status: Active

Submitted On: 6/2/2025

Primary Location

168 HALE ST
Haverhill, MA 01830

Owner

BEEHIVE REALTY, LLC
HALE ST 168 HAVERHILL, MA 01830

Applicant

 Guy Bresnahan
 978-270-0505
 gbresnahan@brococoil.com
 168 Hale Street
Haverhill, MA 01830

Messages

Kaitlin Wright

November 14, 2025 at 8:31 am

Please review ASAP, this is coming to Council on 12/02.



Conservation Department/Stormwater Review

Record No.SPFL-25-2

Status Completed

Became Active September 24, 2025

Type Approval

Due Date None

Assignee Robert Moore

Record No: SPFL-25-2

Special Permit - Flammable Fuel Storage

Status: Active

Submitted On: 6/2/2025

Primary Location

168 HALE ST
Haverhill, MA 01830

Owner

BEEHIVE REALTY, LLC
HALE ST 168 HAVERHILL, MA 01830

Applicant

 Guy Bresnahan
 978-270-0505
 gbresnahan@brocooil.com
 168 Hale Street
Haverhill, MA 01830

Messages

Robert Moore

November 18, 2025 at 5:33 pm

Bob/GuyI walked the site today. No questions on the third propane tank.
But you need to close out the rail siding permit with the Conservation
Commission. I'll send additional information via email.Rob

Robert Moore

November 14, 2025 at 3:52 pm

Site inspection scheduled for Tuesday 11/18 at 12pm

Kaitlin Wright

November 14, 2025 at 8:31 am

Please review ASAP, this is coming to Council on 12/02.

Robert Moore

October 2, 2025 at 4:47 pm

Bob, good seeing you last week. When's a good time to meet on site next
week to review this project and your future plans?

Step Activity

OpenGov system activated this step

09/24/2025 at 4:40 pm

OpenGov system assigned this step to Robert
Moore

09/24/2025 at 4:40 pm

Robert Moore approved this step

11/18/2025 at 5:33 pm



DPW Review

Record No.SPFL-25-2

Status Completed

Became Active September 24, 2025

Type Approval

Due Date None

Assignee Robert Kimball

Record No: SPFL-25-2

Special Permit - Flammable Fuel Storage

Status: Active

Submitted On: 6/2/2025

Primary Location

168 HALE ST
Haverhill, MA 01830

Owner

BEEHIVE REALTY, LLC
HALE ST 168 HAVERHILL, MA 01830

Applicant

 Guy Bresnahan
 978-270-0505
 gbresnahan@brococoil.com
 168 Hale Street
Haverhill, MA 01830

Messages

No comments yet.



Engineering Review

Record No.SPFL-25-2

Status Completed

Became Active September 24, 2025

Type Approval

Due Date None

Assignee John Pettis

Record No: SPFL-25-2

Special Permit – Flammable Fuel Storage

Status: Active

Submitted On: 6/2/2025

Primary Location

168 HALE ST
Haverhill, MA 01830

Owner

BEEHIVE REALTY, LLC
HALE ST 168 HAVERHILL, MA 01830

Applicant

 Guy Bresnahan
 978-270-0505
 gbresnahan@brocooil.com
 168 Hale Street
Haverhill, MA 01830

Messages

John Pettis

November 14, 2025 at 10:53 am

I have no objection to the requested permit

Kaitlin Wright

November 14, 2025 at 8:31 am

Please review ASAP, this is coming to Council on 12/02.



Police Department Review

Record No.SPFL-25-2

Status Completed

Became Active September 24, 2025

Type Approval

Due Date None

Assignee Kevin Lynch

Record No: SPFL-25-2

Special Permit - Flammable Fuel Storage

Status: Active

Submitted On: 6/2/2025

Primary Location

168 HALE ST
Haverhill, MA 01830

Owner

BEEHIVE REALTY, LLC
HALE ST 168 HAVERHILL, MA 01830

Applicant

 Guy Bresnahan
 978-270-0505
 gbresnahan@brococoil.com
 168 Hale Street
Haverhill, MA 01830

Messages

No comments yet.



Water Supply Review

Record No.SPFL-25-2

Status Completed

Became Active September 24, 2025

Type Approval

Due Date None

Assignee Robert Ward

Record No: SPFL-25-2

Special Permit - Flammable Fuel Storage

Status: Active

Submitted On: 6/2/2025

Primary Location

168 HALE ST
Haverhill, MA 01830

Owner

BEEHIVE REALTY, LLC
HALE ST 168 HAVERHILL, MA 01830

Applicant

 Guy Bresnahan
 978-270-0505
 gbresnahan@brococoil.com
 168 Hale Street
Haverhill, MA 01830

Messages

Kaitlin Wright

November 14, 2025 at 8:31 am

Please review ASAP, this is coming to Council on 12/02.



Water/Wastewater Review

Record No.SPFL-25-2

Status Completed

Became Active September 24, 2025

Type Approval

Due Date None

Assignee Shaun Burrier

Record No: SPFL-25-2

Special Permit - Flammable Fuel Storage

Status: Active

Submitted On: 6/2/2025

Primary Location

168 HALE ST
Haverhill, MA 01830

Owner

BEEHIVE REALTY, LLC
HALE ST 168 HAVERHILL, MA 01830

Applicant

 Guy Bresnahan
 978-270-0505
 gbresnahan@brocooil.com
 168 Hale Street
Haverhill, MA 01830

Messages

Kaitlin Wright

November 14, 2025 at 8:31 am

Please review ASAP, this is coming to Council on 12/02.



Fire Department Second Review

Record No.SPFL-25-2

Status Active

Became Active September 24, 2025

Type Approval

Due Date None

Assignee Brian Belfiore

Record No: SPFL-25-2

Special Permit – Flammable Fuel Storage

Status: Active

Submitted On: 6/2/2025

Primary Location

168 HALE ST
Haverhill, MA 01830

Owner

BEEHIVE REALTY, LLC
HALE ST 168 HAVERHILL, MA 01830

Applicant

 Guy Bresnahan
 978-270-0505
 gbresnahan@brocooil.com
 168 Hale Street
Haverhill, MA 01830

Messages

Kaitlin Wright

November 14, 2025 at 8:31 am

Please review ASAP, this is coming to Council on 12/02.



Abutter Notification

Record No.SPFL-25-2

Status Inactive

Became Active Unknown

Type Approval

Due Date None

Assignee Unassigned

Record No: SPFL-25-2

Special Permit - Flammable Fuel Storage

Status: Active

Submitted On: 6/2/2025

Primary Location

168 HALE ST
Haverhill, MA 01830

Owner

BEEHIVE REALTY, LLC
HALE ST 168 HAVERHILL, MA 01830

Applicant

 Guy Bresnahan
 978-270-0505
 gbresnahan@brocooil.com
 168 Hale Street
Haverhill, MA 01830

Messages

Natalia Hernandez

November 25, 2025 at 4:04 pm

Guy, please deliver the certified mail abutter notifications to the City Clerk's office no later than close of business on Monday 12/01.

Kaitlin Wright

November 14, 2025 at 8:32 am

As a reminder – The advertisement will be printed on November 13 and 20th in the Gazette. Please be sure to send abutter notification on or around then. A list of abutters has also been attached. Prior to the hearing, the certified mail receipts will need to be submitted to our office. Please reach out with questions.

Kaitlin Wright

September 8, 2025 at 12:52 pm

Abutter notification for fuel storage applications are the applicant's responsibility. You may use the advertisement to send your abutter notification. The advertisement will be printed on November 13 and 20th in the Gazette. Please be sure to send abutter notification on or around then. A list of abutters has also been attached. Prior to the hearing, the certified mail receipts will need to be submitted to our office. Please reach out with questions.

Step Activity

There are no recorded events for this step



Haverhill

City Clerk's Office, Room 118
Phone: 978-374-2312 Fax: 978-373-8490
cityclerk@haverhillma.gov

September 8, 2025

PUBLIC HEARING

City Council Chambers, City Hall, Room 202, 4 Summer st

Notice is hereby given that the following application for a license to store, keep, and use INFLAMMABLE LIQUIDS has been made to the City Clerk and the City Council will conduct a hearing for all parties interested, in a hybrid meeting (virtual/in person), on Tuesday, December 2, 2025; at 7:00 PM. This notice is given under the provisions of Chapter 148 of the General Laws - Guy Bresnahan on behalf of Broco Terminals, LLC. (SPFL-25-2); requesting to store an additional 30,000 gallons of propane in an above ground storage tank, three additional propane transport trailer trucks with a tank capacity of 12,600 gallons each for a total storage increase of 37,800 gallons of truck storage, and 8,000 gallons in miscellaneous empty customer tank. The overall propane storage capacity is being increased by 75,800 gallons at 158 Hale St.

(Residents who are interested in commenting on this item can either (1) Attend in person (Council Chambers, Room 202) or (2) Attend remotely using the link provided on the public meeting calendar on the City's website.)

Description of area, maps and plans are on file in the City Clerk's Office.

Advertise: November 13 & November 20, 2025
Haverhill Gazette

Kaitlin M. Wright, CMC
City Clerk



FP-002A
(Rev. 6/23)

The Commonwealth of Massachusetts
City/Town of Haverhill

Application For License

Massachusetts General Law, Chapter 148 §13

☐ New License ☒ Amended License

GIS Coordinates	
42.784050	LAT.
-71.089870	LONG.
5495	License Number

Application is hereby made in accordance with the provisions of Chapter 148 of the General Laws of Massachusetts for a license to store flammables, combustibles or explosives on land in buildings or structures herein described.

Location of Land: 168 Hale St, 602-457-1 and 602-457-2
Number, Street and Assessor's Map and Parcel ID

Attach a plot plan of the property indicating the location of property lines and all buildings or structures.

Owner of Land: Beehive Realty LLC + A+BCrossing LLC

Address of Land Owner: 7 Regency Ridge Andover, MA 01810

Use and Occupancy of Buildings and Structures: Fuel storage and distribution

If this is an application for amendment of an existing license, indicate date of original license and any subsequent amendments
1964, 2020, and June 21, 2022
Attach a copy of the current license

Flammable and Combustible Liquids, Flammable Gases and Solids

Complete this section for the storage of flammable and combustible liquids, solids, and gases; see 527 CMR 1.00 Table 1.12.8.50; Attach additional pages if needed. All tanks and containers are considered full for the purposes of licensing and permitting.

PRODUCT NAME	CLASS	MAXIMUM QUANTITY	UNITS gal., lbs, cubic feet	CONTAINER UST, AST, IBC, drums.
Fuel Oil	II	238,000	gal	AST
Biofuel	III B	154,000	gal	AST
Propane	I	90,000	gal	AST
Propane	I	49,800	gal	truck mounted
Propane	I	16,000	gal	misc

Total quantity of all flammable liquids to be stored: none

Total quantity of all combustible liquids to be stored: 392,000

Total quantity of all flammable gases to be stored: 155,800

Total quantity of all flammable solids to be stored: none

LP-gas (Complete this section for the storage of LP-gas or propane)

Indicate the maximum quantity of LP-gas to be stored and the sizes and capacities of all storage containers.
(See 527 CMR 1.00 Table 1.12.8.50)

❖ Maximum quantity (in gallons) of LP-gas to be stored in aboveground containers: 155,800

List sizes and capacities of all aboveground containers used for storage: 3 - 30,000 gals,

4 - 3,000 gals truck tanks, 3 - 12,600 gals truck tanks, 16,000 gals

❖ Maximum quantity (in gallons) of LP-gas to be stored in underground containers: Ø

List sizes and capacities of all underground containers used for storage: n/A

assorted
tanks

Total aggregate quantity of all LP-gas to be stored: 155,800

Fireworks (Complete this section for the storage of fireworks)

Indicate classes of fireworks to be stored and maximum quantity of each class. (See 527 CMR 1.00 Table 1.12.8.50)

❖ Maximum amount (in pounds) of Class 1.3G: Ø Type/class of magazine used for storage: Ø

❖ Maximum amount (in pounds) of Class 1.4G: Ø Type/class of magazine used for storage: Ø

❖ Maximum amount (in pounds) of Class 1.4: Ø Type/class of magazine used for storage: Ø

Total aggregate quantity of all classes of fireworks to be stored: Ø

Explosives (Complete this section for the storage of explosives)

Indicate classes of explosive to be stored and maximum quantity of each class. (See 527 CMR 1.00 Table 1.12.8.50)

❖ Maximum amount (in pounds) of Class 1.1: Ø Number of magazines used for storage: Ø

❖ Maximum amount (in pounds) of Class 1.2: Ø Number of magazines used for storage: Ø

❖ Maximum amount (in pounds) of Class 1.3: Ø Number of magazines used for storage: Ø

❖ Maximum amount (in pounds) of Class 1.4: Ø Number of magazines used for storage: Ø

❖ Maximum amount (in pounds) of Class 1.5: Ø Number of magazines used for storage: Ø

❖ Maximum amount (in pounds) of Class 1.6: Ø Number of magazines used for storage: Ø

I, Guy Bresnahan, hereby attest that I am authorized to make this application. I acknowledge that the information contained herein is accurate and complete to the best of my knowledge and belief. I acknowledge that all materials stored pursuant to any license granted hereunder must be stored or kept in accordance with all applicable laws, codes, rules and regulations, including but not limited to Massachusetts Chapter 148, and the Massachusetts Fire Code (527 CMR 1.00). I further acknowledge that the storage of any material specified in any license granted hereunder may not exceed the maximum quantity specified by the license.

Signature Guy Bresnahan Date 8/13/25 Name Guy Bresnahan

Fire Department Use Only

I, ERIC M. TAPPY, Head of the HAVERHILL Fire Department endorse this application with my

☒ Approval ☐ Disapproval Follow ALL code

Signature of Head of the Fire Department

Follow ALL code Requirements AND Date

8/13/25

Recommendations: BEST PRACTICES ASSOCIATED WITH THE USE, STORAGE AND MAINTENANCE OF TANK, PRODUCT AND PROCESS.

Mfg. Representative: SK Date: 10-7-20 Page 1 of 2
Authorized Inspector: 103 Date: 10-7-20

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
(Alternative Form for Single Chamber, Completely Shop or Field Fabricated Vessels Only)
As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1

1. Manufactured and certified by Bigbee Steel & Tank Company, 4535 Elizabethtown Road, Manheim, PA 17545, USA
(Name and address of Manufacturer)
2. Manufactured for Hiltz Propane Systems LLC, 693 West Market Street, Marietta, PA 17547, USA
(Name and address of Purchaser)
3. Location of installation Unknown
(Name and address)
4. Type Horizontal 4259 112875-3 2914 2020
(Horizontal or vertical, tank) (Manufacturer's serial number) (GRN) (Drawing number) (National Board number) (Year built)
5. ASME Code, Section VIII, Division 1 2019 Edition
(Edition and Addenda, if applicable (date)) (Code Case numbers) (Special service per UG-120(d))
6. Shell SA-516 70 0.875" 0" 10'-10.25" 39'-6"
(Material spec. number, grade) (Nominal thickness) (Corr. allow.) (Inner diameter) (Length (overall))

Body Flanges on Shells										Bolting			
No.	Type	ID	OD	Flange Thk	Min Hub Thk	Material	How Attached	Location		Num & Size	Bolting Material	Washer (OD, ID, thk)	Washer Material
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-

7. Seams Type 1 Full 100% Type 1
(Long, welded, bol. singl., lap, butt) (RT, spot or full) (Eff. % (RT, temp.) (Tms. ht) (Srch welded, bol. singl., lap, butt)
8. Heads: (a) Material SA-516 70 (b) Material SA-516 70
(Spec. no., grade) (Spec. no., grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	END	0.8244"	0"	-	-	2:1	-	-	-	Concave
(b)	END	0.8244"	0"	-	-	2:1	-	-	-	Concave

Body Flanges on Heads										Bolting			
	Location	Type	ID	OD	Flange Thk	Min Hub Thk	Material	How Attached		Num & Size	Bolting Material	Washer (OD, ID, thk)	Washer Material
(a)	-	-	-	-	-	-	-	-	-	-	-	-	-
(b)	-	-	-	-	-	-	-	-	-	-	-	-	-

9. MAWP 250 psi at max. temp. 150 °F
(Internal) (External)
- Min. design metal temp. -20 °F at 250 psi Hydro., pneu., or comb. test pressure
Proof test (Internal) (External)
10. Nozzles, inspection, and safety valve openings: Hydro. at 325 psi

Purpose (Inlet, Outlet, Drain, etc.)	No.	Diameter or Size	Type	Material		Nozzle Thickness		Reinforcement Material	Attachment Details		Location (Insp. Open.)
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	
Manway	1	18"	CL 150 Studding Outlet	SA-105	-	1.125"	0"	None	UW-16.1(p)	-	Shell
Relief	1	4"	CL 300 Studding Outlet	SA-105	-	1.5"	0"	None	UW-16.1(p)	-	Shell
Vapor	2	2"	6000# H.C.	SA-105	-	0.625"	0"	None	UW-16.1(f)	-	Shell
Float Gauge	2	2.5"	6000# F.C.	SA-105	-	0.685"	0"	None	UW-16.1(f)	-	Left/Right Heads
85% Fixed Level	1	0.75"	6000# F.C.	SA-105	-	0.845"	0"	None	UW-16.1(f)	-	Left Head
Thermometer	1	0.75"	Pipe w/ 6000# F.C.	SA-106 B/SA-105	-	0.154"	0"	None	UW-16.1(i)	-	Left Head

Additional Nozzles - See attached...

11. Supports: Skirt No Lugs - Legs - Other - Attached -
(Yes or no) (Number) (Number) (Describe) (Where and how)
12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: Shop test performed in the horizontal position. Vessel intended for non-lethal and non-corrosive service. Vessel impact exempt per UG-20(f). See attached U-4 Form.
(Name of part, item number, Manufacturer's name and identifying stamp)

Mfg. Representative: SN Date: 10-7-20 Page 2 of 2
Authorized Inspector: BB Date: 10-7-20

Form U-1A

Manufactured by Bigbee Steel & Tank Company
Manufacturer's Serial No. 4259 CRN - National Board No. 2914

CERTIFICATE OF SHOP/FIELD COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. "U" Certificate of Authorization number 12158 expires November 30, 2020.

Date 10-7-20 Co. name Bigbee Steel & Tank Company Signed [Signature]
(Inspector) (Representative)

CERTIFICATE OF SHOP/FIELD INSPECTION

Vessel constructed by Bigbee Steel & Tank Company at 4535 Elizabethtown Road, Manheim PA 17545
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by The Hartford Steam Boiler Inspection and Insurance Company of Hartford CT
have inspected the component described in this Manufacturer's Data Report on 9-23-20 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. By signing this certificate neither the Inspector nor his/her employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his/her employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 10-7-20 Signed [Signature] Commissions NB13523
(Authorized Inspector) (National Board Authorized Inspector Commission number)

(07/17)

FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET
 As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1

1. Manufactured and certified by Bigbee Steel & Tank Company 4535 Elizabethtown Road Manheim, PA 17545 USA
(Name and address of Manufacturer)

2. Manufactured for Hiltz Propane Systems LLC 693 West Market Street Marietta, PA 17547 USA
(Name and address of Purchaser)

3. Location of installation Unknown
(Name and address)

4. Type Horizontal Tank 4259
(Horizontal, vertical, or sphere) (Type, separator, heat exch., etc.) (Manufacturer's serial number)

- 112875-3 2914 2020
(CRN) (Drawing Number) (National Board number) (Year built)

Additional Nozzles:

Purpose (Inlet, Outlet, Drain, etc.)	No.	Diameter or Size	Type	Material		Nozzle Thickness		Reinforcement Material	Attachment Details		Location (Insp. Open.)
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	
Liquid	4	3"	6000# H.C.	SA-105	-	0.75"	0"	None	UW-16.1(d)	-	Shell
Vapor w/ Int. Pipe	2	2"	6000# H.C.	SA-105	-	0.625"	0"	None	UW-16.1(m)	-	Shell
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-

Certificate of Authorization: Type U No. 17156 Expires November 30, 2023

Date 10-7-20 Name Bigbee Steel & Tank Company Signed [Signature]
(Manufacturer) (Representative)

Date 10-7-20 Signed [Signature] Commissions NB 13523
(Authorized Inspector) (National Board Authorized Inspector Commission number)



Highland Tank

www.Highlandtank.com

Celebrating 65 Years of Experience

4535 Elizabethtown Rd P: 717-664-0600
Manheim, PA 16545-9410 F: 717-664-0617

October 8, 2020

Hiltz Propane Systems LLC
693 W Market St
Marietta, PA 17547

To Whom It May Concern:

Enclosed are your copies of the Data Report for your pressure vessel ordered on your PO #2020024.

Sincerely,

Todd J. Shearer

Todd J. Shearer
Engineering Manager

TJS:tt

Enclosure

Mfg. Representative: ju Date: 11/1/21 Page 1 of 2
 Authorized Inspector: MMU Date: 11-01-2021

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
 (Alternative Form for Single Chamber, Completely Shop or Field Fabricated Vessels Only)
 As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1

1. Manufactured and certified by Highland Tank of Central Michigan LLC, 4701 White Lake Road, Clarkston, MI 48347, USA
 (Name and address of Manufacturer)
2. Manufactured for Hiltz Propane Systems LLC, 693 West Market Street, Marietta, PA 17547, USA
 (Name and address of Purchaser)
3. Location of Installation Unknown
 (Name and address)
4. Type Horizontal 49 - 113764 rev3 49 2021
 (Horizontal or vertical, tank) (Manufacturer's serial number) (CRN) (Drawing number) (National Board number) (Year built)
5. ASME Code, Section VIII, Division 1 2019 Edition - -
 (Edition and Addenda, if applicable (date)) (Code Case numbers) (Special service per UG-120(d))
6. Shell SA-516 70 0.875" 0" 10'-10.25" 39'-6"
 (Material/spec. number, grade) (Nominal thickness) (Corr. allow.) (Inner diameter) (Length overall)

Body Flanges on Shells									Bolting			
No.	Type	ID	OD	Flange Thk	Min Hub Thk	Material	How Attached	Location	Num & Size	Bolting Material	Washer (OD, ID, Thk)	Washer Material
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-

7. Seams Butt Full 100% - - Butt Spot 85 4
 (Long. welded, dcl., singl., lap, butt) (R.T. (spot or full)) (Eff. %) (H.T. temp.) (Time, hr) (Orth. welded, dcl., singl., lap, butt) (R.T. (Spot or Full)) (Eff. %) (No. of courses)
8. Heads: (a) Material SA-516 70 (b) Material SA-516 70
 (Spec. no., grade) (Spec. no., grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	Left Head	0.8244"	None	118.8"	22.44"	2:1	-	-	-	Concave
(b)	Right Head	0.8244"	None	118.8"	22.44"	2:1	-	-	-	Concave

Body Flanges on Heads									Bolting			
	Location	Type	ID	OD	Flange Thk	Min Hub Thk	Material	How Attached	Num & Size	Bolting Material	Washer (OD, ID, Thk)	Washer Material
(a)	-	-	-	-	-	-	-	-	-	-	-	-
(b)	-	-	-	-	-	-	-	-	-	-	-	-

9. MAWP 250 psi - at max. temp. 150 °F -
 (Internal) (External) (Internal) (External)

Min. design metal temp. -20 °F at 250 psi. Hydro., pneu., or comb. test pressure Hydro. at 325 psi
 Proof test -

10. Nozzles, inspection, and safety valve openings:

Purpose (Inlet, Outlet, Drain, etc.)	No.	Diameter or Size	Type	Material		Nozzle Thickness		Reinforcement Material	Attachment Details		Location (Insp. Open.)
				Nozzle	Flange	Nom	Corr.		Nozzle	Flange	
Inspection	1	18"	CL 150 Studding Outlet	NA	SA 105	150#	0"	None	NA	UW-16.1(p-1)	Shell
Inlet/Outlet	1	4"	CL 300 Studding Outlet	NA	SA 105	300#	0"	None	NA	UW-16.1(p-1)	Shell
Inlet/Outlet	2	2"	H.Cipg	SA-105	NA	6000#	0"	None	UW-16.1(i)	NA	Shell
Inlet/Outlet	2	2-1/2"	F.Cipg	SA-105	NA	6000#	0"	None	UW-16.1(j)	NA	Left/Right Heads
Inlet/Outlet	1	3/4"	F.Cplg	SA-105	NA	6000#	0"	None	UW-16.1(i)	NA	Left Head
Inlet/Outlet	1	3/4"	Pipe	SA-106 GB	NA	Sch 80	0"	None	UW-16.1(i)	UW-16.1(k)	Left Head

Additional Nozzles - See attached...

11. Supports: Skirt No Lugs - Legs - Other SADDLES Attached Welded - Shell
 (Yes or no) (Number) (Number) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report:

(Name of part, item number, Manufacturer's name and identifying stamp)

Vessel intended for non-lethal service. Safety relief valve installed by owner. Vessel impact exempt per UG-20(f) and UCS-66(c)

Mfg. Representative: Lee
Authorized Inspector: MMU

Date: 11/1/21 Page 2 of 2
Date: 11/01/2021

Form U-1A

Manufactured by Highland Tank of Central Michigan LLC
Manufacturer's Serial No. 49 CRN - National Board No. 49

CERTIFICATE OF SHOP/FIELD COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. "U" Certificate of Authorization number 57,508 expires April 8, 2022.

Date 11/1/21 Co. name Highland Tank of Central Michigan LLC Signed Lee Lyyenthan
(Manufacturer) (Representative)

CERTIFICATE OF SHOP/FIELD INSPECTION

Vessel constructed by Highland Tank of Central Michigan LLC at Clarkston, MI
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut
have inspected the component described in this Manufacturer's Data Report on NOV. 1, 2021 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. By signing this certificate neither the Inspector nor his/her employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his/her employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 11/01/2021 Signed [Signature] Commissions NB9486 MI610
(Authorized Inspector) (National Board Authorized Inspector Commission number)

(07/17)

FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET
As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1

1. Manufactured and certified by Highland Tank of Central Michigan LLC 4701 White Lake Road, Clarkston, MI 48347
(Name and address of Manufacturer)

2. Manufactured for Hiltz Propane Systems LLC 693 West Market Street Marietta, PA 17547 USA
(Name and address of Purchaser)

3. Location of installation Unknown
(Name and address)

4. Type Horizontal Tank 49
(Horizontal, vertical, or sphere) (Tank, separator, heat exch., etc.) (Manufacturer's serial number)

- 113764 rev3 49 2021
(CRN) (Drawing Number) (National Board number) (Year built)

Additional Nozzles:

Purpose (Inlet, Outlet, Drain, etc.)	No.	Diameter or Size	Type	Material		Nozzle Thickness		Reinforcement Material	Attachment Details		Location (Insp. Open.)
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	
Inlet/Outlet	4	3"	6000# H.C.	SA-105	-NA	6000#	0"	None	UW-16.1(i)	-NA	Shell
Inlet/Outlet	2	2"	6000# H.C.	SA-105	-NA	6000#	0"	None	UW-16.1(i)	-NA	Shell
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-

Certificate of Authorization: Type U No. 57,508 Expires April 8, 2022

Date 11/1/21 Name Highland Tank of Central Michigan LLC Signed Lee Kappenman
(Manufacturer) (Representative)

Date 11/2/2021 Signed [Signature] Commissions NB9486 MI610
(Authorized Inspector) (National Board Authorized Inspector Commission number)

Broco Energy Special Permit SPFL 25-2

Haverhill Fire Department Review

Supplemental Information

Clarify Propane tank construction, installation and inspection standards: Broco's existing propane storage and distribution system was completed in accordance with all applicable Codes and Standards.

The existing 30,000-gallon horizontal steel pressure vessels were constructed in accordance with the *American Society of Mechanical Engineers (A.S.M.E) Code for Pressure Vessels, Section VIII, Division 1, 2019 Edition*. Broco's propane storage tanks, appurtenances, piping components, piping materials, pumpset components and the installation of these components and equipment meet the requirements of NFPA 58, Liquefied Petroleum Gas Code, 2014 edition. In addition to NFPA 58, the system was designed and installed in accordance with all applicable Codes and Standards including 527CMR 1.00, Massachusetts Comprehensive Fire Safety Code; 780 CMR, Massachusetts State Building Code; the completed Fire Safety Analysis, and good engineering practice. Electrical systems for the bulk facility were installed in accordance with the MA Fire Safety Code , 527CMR 12.00 and the National Electric Code with Massachusetts Amendments.

Hydrostatic pressure tests were performed and recorded on the storage vessels and piping was pressure tested at a pressure of 375 PSIG for 12 hours with successful results. Annual storage tank inspections have been, and will continue to be, conducted in accordance with the National Board Inspection Code (NBIC) requirements.

Aboveground Storage Tank #1 was built in 2020, by Bigbee Steel & Tank Company of Manheim, Pennsylvania for Highland Tank and carries a manufacturer's serial number of #4259 and a National Inspection Board number of #2914. The tank was newly constructed to contain propane (Flammable Gas).

Aboveground Storage Tank #2 was built in 2021 by Highland Tank of Central Michigan, LLC of Clarkston Michigan and carries a manufacturer's serial number of #49 and a National Inspection Board number of #49. The tank was newly constructed to contain propane (Flammable Gas).

Copies of the tank Manufacturer's Data Report Forms (Form U-1A) have been uploaded as an attachment to the SPFL 25-2 permit file.

and features immediate staff cellphone alert messages and the ability to notify HFD and other first responders depending on the nature for the alarm.

Broco acknowledges that any future expansion of its propane business beyond the pending storage permit request (SPFL 25-2) will require additional municipal and state permitting and all future proposed work must be in compliance any updated state and federal fire and safety codes in existence at the time of such proposed expansion. Expansion tanks and associated distribution equipment will additionally feature an expansion of gas leak detection monitors and IR flash detection cameras, as deemed appropriate prior to commissioning.

Broco has further agreed to provide, on an annual basis, a \$5,000 expenditure to ensure that a ready supply of F-500 Encapsulation Agent (or equivalent firefighting agent) is on supply at HFD and/or Broco's Hale Street fuel terminal should it be needed to suppress a fire. Broco views this renewable annual safety expenditure as shared resource and a partnership donation to the Haverhill Fire Department.

2025 Permit Increase to Store Flammables (SPFL 25-2)
Broco Energy - 168 Hale Street, Haverhill MA

Broco Energy Class II & IIIB Liquid Fuel Storage Capacity

12 AST's

<u>Diesel/HO Volumes</u>	<u>Gallons</u>
Vertical Tanks 1-4 (49.5k ea.)	198,000
Vertical Tanks 5 & 6 (20k ea.)	<u>40,000</u>
	238,000
<u>Biodiesel Volumes</u>	<u>Gallons</u>
Tanks 7, 8 & 9	90,000
Tanks 10 & 11	60,000
Tank 12	<u>4,000</u>
	154,000
Class I & II Storage Total	392,000

Broco Energy Class I Propane Gas Storage Capacity

10 AST's

<u>Propane Volumes</u>	<u>Gallons</u>
Horizontal AST Tanks 1-2 (30k ea.)	60,000
Horizontal AST Proposed tank 3 (30k)	30,000
Bobtail truck storage Trucks 1-4 (3k ea.)	12,000
Three Proposed Transport Tractor Trailers 1-3 (12.6k ea)	37,800
Miscellaneous customer tanks -assorted	<u>16,000</u>
	155,800
Class I Storage Total	155,800
Total Terminal Storage - combustable liquids & flammable gases	547,800

Project Description

Summary - The proposed storage permit modification will increase Broco's above ground propane storage tank (AST) capacity by 30,000 gallons. The storage increase (scheduled for this fall) will add one additional 30,000-gallon skid mounted tank for a total of three propane storage tanks, or 90,000 gallons

Broco is also looking to add three Propane Transport Trailer trucks with a tank capacity of 12,600 gallons each, for a total storage increase of 37,800 gallons of truck storage. The last permit increase request involves an increase of 8,000 gallons in miscellaneous empty customer tanks for a revised total of 16,000 gallons of assorted sizes of customer tanks awaiting placement.

Overall, Broco's existing propane storage capacity is being increase by 75,800 gallons – from 80,000 gallons to 155,800 gallons under this permit increase request..

A project locus plan has been included to highlight the location of the proposed improvements at the site and show the relationship of proposed improvements to existing storage tanks and rail offload tower. The construction of the second railcar offload tower (shown on the locus plan) is informational and not part of this permit request.

This fall the project will procure and install one 30,000–gallon 250 psi ASME horizontal propane storage tank with steel support saddles on a skid support system with a fully-equipped truck loading stanchion including a 4" pump system, explosion proof motor, a 450 GPM meter, break away hoses and a TopTech Terminal Automation System to create bills of lading for all delivery and transport trucks loading at Broco. The LPG tank will match the existing two propane tanks previously installed.

The new propane storage tank will include all required gauges and safety valves and distribution equipment and an electronic emergency shut off valve. The tank and distribution/loading equipment will be placed on a 20' x 60' engineered concrete slab and will be connected to, and monitored by, Boco's Macurco gas leak and infrared flash detection control panel and devices 24/7.

The design plans are complete. Broco's current Fire Safety Analysis will be updated and sent to the State Fire Marshal's Office (SFMO) for review along with the FP-101 Application for Construction and Installation, the approval of which is required. The SFMO Community Compliance Officer and HFD will inspect the system installation to ensure all fire and safety codes are met before the new tank can be filled and put in use

Project Description

Summary - The proposed storage permit modification will increase Broco's above ground propane storage tank (AST) capacity by 30,000 gallons. The storage increase (scheduled for this fall) will add one additional 30,000-gallon skid mounted tank for a total of three propane storage tanks, or 90,000 gallons

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COMMONWEALTH OF MASSACHUSETTS



CITY OF HAVERHILL
INFLAMMABLES REGISTRATION
2025



Date of Issue: April 9, 2025

Date of Application: March 24, 2025

Permit Number: INFL-25-1

Historic Registration Number: 5495

Company Name: Broco Energy

Address: 168 HALE ST

This permit expires: April 30, 2026

MBL: 602-457-2

Kaitlin M. Wright

Kaitlin Wright, Haverhill City Clerk



THIS PERMIT MUST BE CONSPICUOUSLY POSTED UPON THE PREMISES





12.1

98 Elm Street, Route 110, Salisbury, Massachusetts 01952
Phone: 978-462-6543

September 25, 2025

Mr. John H. Pettis III, P.E.
City Engineer
Engineering Division
4 Summer Street - City Hall Room 300
Haverhill, MA 01830



Re: MassDOT Contract No. 609466
Haverhill Bridge Replacement, Br. No. H-12-040=M-17-030, Interstate 495 (NB & SB)
over Merrimack River and M-17-031, I-495 (NB & SB) over Route 110 and H-12-056, Industrial Avenue (EB &
WB) over I-495 – Haverhill-Methuen, MA.

Dear Mr. Pettis,

SPS New England, Inc. and D.W. White, as a Joint Venture (JV), respectfully request permission to occupy and secure portions of the public right-of-way on River Valley Road (Ward Hill Industrial Park) for temporary laydown, staging, and storage to support the MassDOT I-495 and Industrial Avenue Haverhill-Methuen Bridge Replacement Project. The JV anticipates using the area for up to 60 months, consistent with the project schedule.

Background and location:

River Valley Road is currently closed by the City and sectioned off with temporary concrete barrier. With the City's prior permission, SPS previously utilized this closed section for temporary laydown and storage during MassDOT Contract No. 103045 (Bridge No. H-12-039, I-495 NB/SB over the Merrimack River). The JV now proposes to again use the closed cul-de-sac as a secured, controlled laydown yard to support the new adjacent I-495 bridge work.

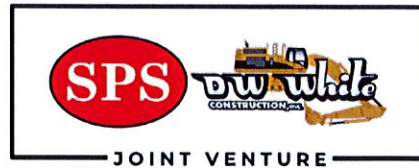
Site preparation and controls: (no cost to the City)

At our expense, the JV will: (1) document pre-existing conditions of the roadway, curbs/edging, and adjacent properties; (2) clear roadway of overgrown trees and shrubs and any illegally dumped trash; (3) adjust existing barriers as needed and install a chain-link gate with appropriate signage to restrict access to authorized personnel; and (4) implement Storm Water Pollution Prevention Plan (SWPPP) best-management practices prior to mobilization, including catch basin filter bags, silt fence, and compost filter tubes along the perimeter. All work will comply with applicable local, state, and federal requirements.

Intended use:

The area will be used to temporarily stage materials and equipment to be incorporated into the I-495 project, including:

- Steel shipping containers (non-hazardous miscellaneous materials/hardware)
- Lumber and bridge formwork
- Flatbed trailers loaded with project materials
- Traffic control trucks, equipment and devices



Access and operations:

The JV requests 24/7 access for loading and dispatch and access would be with registered on road vehicles and delivery trucks.

We will coordinate all gate locks and access protocols with Haverhill Police, Fire, DPW, and the utility companies to ensure the City retains full access at all times.

Schedule, flexibility, and winter maintenance:

The JV can occupy the area within one (1) week of City approval. We respectfully request use for the duration of the project (up to 60 months) but will vacate and clear the area within approximately ten (10) days upon the City's request for access to adjacent property. While in use, the JV will plow and maintain the closed roadway behind the gate during winter, benefiting both the City and utilities.

Restoration:

At the conclusion of use, the JV will restore the right-of-way to its documented pre-use condition in accordance with the pre-existing condition survey, at no cost to the City.

Thank you in advance for your consideration of this request. Please do not hesitate to contact me with any questions or concerns.

Sincerely,
SPS New England, Inc.

Matthew McCue

Matthew McCue
Project Manager

Att: Overhead Map & Existing Condition Photographs (7 pp)

cc: Job File/ MassDOT



12.1

Haverhill

Engineering Department, Room 300

978-374-2335

John H. Pettis III, P.E.

Deputy DPW Director/City Engineer

JPettis@HaverhillMA.gov

November 14, 2025

**MEMO TO: CITY COUNCIL PRESIDENT THOMAS J. SULLIVAN AND
MEMBERS OF THE CITY COUNCIL**

Subject: *River Valley Road – Temporary Obstruction*

I am fully supportive of the attached request to use a portion of River Valley Road as a staging area for contractors SPS and DW White (Joint Venture), for the Route 495 Bridges over Merrimack River at Haverhill Methuen line and Industrial Avenue over Route 495 bridges replacement project (MassDOT project 609466). River Valley Road is a Public Way, and the section requesting to be used has been blocked off by Jersey Barriers for more than a decade.

Please contact me if you have any questions.

Sincerely,

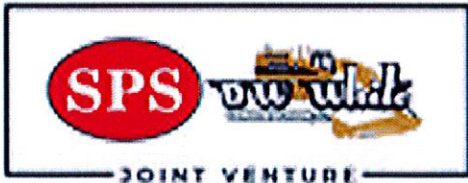


John H. Pettis III, P.E.

City Engineer

C: Mayor Barrett, Ward, Kimball, Mead, Tracy, O'Brien

NOV 14 PM 2:52
HAVERHILL CITY CLERK



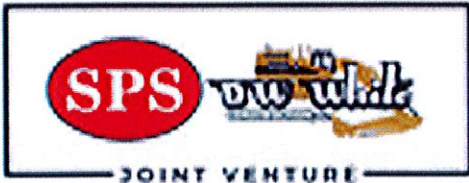
PHOTOGRAPHS - May 19, 2025

Site Location River Valley Road (Ward Hill Industrial Park) Haverhill, MA		Project No. 126251
Photo No. A	Time: 4:13pm	
Direction of Photo Taken: Satellite		
Description: Google Maps photo showing location of River Valley Road currently closed cul-de-sac roadway.		



PHOTOGRAPHS - May 19, 2025

Site Location River Valley Road (Ward Hill Industrial Park) Haverhill, MA		Project No. 126251
Photo No. B	Time: 2:00pm	
Direction of Photo Taken: North		
Description: Photo showing extents of laydown yard after walking down access road.		



PHOTOGRAPHS - May 19, 2025

Site Location River Valley Road (Ward Hill Industrial Park) Haverhill, MA		Project No. 126251
Photo No. C	Time: 2:01pm	
Direction of Photo Taken: South		
Description: Photo showing extents of laydown yard with the Merrimack River behind the photographer.		



PHOTOGRAPHS - May 19, 2025

Site Location River Valley Road (Ward Hill Industrial Park) Haverhill, MA		Project No. 126251
Photo No. D	Time: 1:53pm	 A photograph showing a paved road blocked by a concrete barrier. In front of the barrier, there is a pile of debris including wooden pallets, a mattress, and other trash. The road is surrounded by dense green trees and bushes. The sky is overcast.
Direction of Photo Taken: North		
Description: Photo showing trash and debris illegally dumped in front of currently closed River Valley Road cul-de-sac roadway. JV will remove and clean up.		



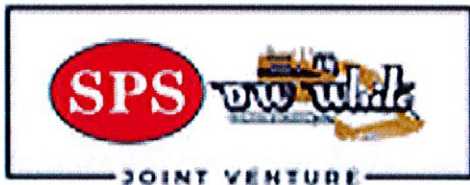
PHOTOGRAPHS - May 19, 2025

Site Location River Valley Road (Ward Hill Industrial Park) Haverhill, MA		Project No. 126251
Photo No. E	Time: 1:54pm	
Direction of Photo Taken: South		
Description: Photo showing River Valley Rd, looking back towards Parkridge Rd. Road Closed barrier behind photographer. road leading to laydown area.		



PHOTOGRAPHS - May 19, 2025

Site Location River Valley Road (Ward Hill Industrial Park) Haverhill, MA		Project No. 126251
Photo No. F	Time: 1:55pm	
Direction of Photo Taken: Northeast		
Description: Photo showing overgrown trees and shrubs extending beyond guardrail on River Valley Rd .		



PHOTOGRAPHS - May 19, 2025

Site Location River Valley Road (Ward Hill Industrial Park) Haverhill, MA		Project No. 126251
Photo No. G	Time: 1:55pm	
Direction of Photo Taken: Northwest		
Description: Photo showing overgrown trees and shrubs along River Valley Road .		

Tag Day Permit

TAGD-25-24

Submitted On: Oct 28, 2025

Applicant

 Tricia Harrington
5025585285
@ triciaharrington520@gmail.com

12.51

Organization Information

Organization

Haverhill High Boys Basketball Boosters

Organization Phone

9783745700

Organization Address

137 Monument St

Organization City

Haverhill

Organization State

Haverhill

Organization Zip

01832

Is the Organization Tax Exempt?

Yes

Is the Organization Non-Profit?

No

Is your organization affiliated with the Haverhill Public School system?

Yes

Is the Applicant a Haverhill Resident

Yes

Off-Street Locations Information [OFF-STREET LOCATIONS NOT PERMITTED]

How Many Locations Will You Cover?

4

Location 1

Dunkin Donuts 784 River St

Location 2

Heavenly Donuts 55 S Main St

Location 3

Duffy's Diner 8 Knipe Rd

Location 4

One Stop Market 651 Broadway

Date Information -MAXIMUM 3 CONSECUTIVE DAYS

How Many Dates Will the Event Include?

2

Date #1

12/13/2025

Date #2

12/14/2025

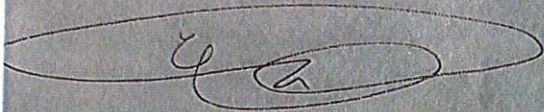
NOV 4 PM 1:54
HAYCITYCLERK

To whom it may concern,

Oct 27, 2025

This letter grants permission to Haverhill High School Boys Basketball Boosters to tag at Dunkin Donuts, 784 River Street, Haverhill on December 13, and 14 2025

Dunkin Donuts Management

A handwritten signature, possibly reading "J. H.", is enclosed within a hand-drawn oval.

To whom it may concern,

Oct 27, 2025

This letter grants permission to Haverhill High School Boys Basketball Boosters to tag at One Stop Market 651 Broadway , Haverhill on December 13, and 14 2025

One Stop Market Management

A handwritten signature in dark ink, appearing to be "J. Du", followed by a horizontal line extending to the right.

Event Permit**EVNT-25-33**

Submitted On: Nov 5, 2025

Applicant

 Katie Cook
 9784792152
@ katie@haverhillchamber.com

Primary Location

2 MERRIMACK ST
Haverhill, MA 01830

Organization Information**Organization**

Greater Haverhill Chamber of Commerce

Organization Address

2 Merrimack St

Organization State

MA

Is the Organization Tax Exempt?

Yes

Is the Organization a House of Worship?

No

Organization Phone

9784792152

Organization City

Haverhill

Organization Zip

01830

Is the Organization Non-Profit?

Yes

Contact Information**Contact Name**

Katie Cook

Contact Phone

9784792152

Contact Address

2 Merrimack St #337

Contact State

MA

Contact Title

CEO

Contact Email

katie@haverhillchamber.com

Contact City

Haverhill

Contact Zip

01830

Property Owner Information**Property Owner Name**

The Foundation partnership

Property Owner Address

2 Merrimack St

Property Owner State

MA

Is the Applicant the Property Owner?

No

Property Owner Phone

6034906818

Property Owner City

Haverhill

Property Owner Zip

01830

Event Information

Description of event

Holiday Happenings at Harbor Place

Type of Event

Other

IF OTHER, Please Specify

picnic in the park with santa

Event Date

12/06/2025

Event Location

The Lawn at Harbor Place

is the Event on Bradford Common?

No

Is the Event on City Property?

Yes

Event Venue

Outdoor

Number of Anticipated Attendees

30

Do attendees need to purchase a ticket to attend?

No

Is this event open to the public? Or private?

Public

Are You Requesting Additional Fees Be Waived? (APPLICATION FEE IS NOT WAIVABLE)

Yes

Event Start Time

12:00

Event End Time

6:00

Will Food Be Served/Sold at the Event?

No

Any Helpful Comments about Food

Barrio will serve food, HC Media is playing Movies, Yoga is hosting santa, ice sculptures in the park

Special Considerations (i.e. fireworks)

none

Parking Information

Number of Parking Spaces Onsite

0

Have Off-site Parking Arrangements Been Made?

No

Are There Charges/Fees for Parking?

No

Sanitation Information

Number of Public Restrooms Available

10

Type of Toilets

Permanent

Please Describe Plans for Solid Waste Disposal & Recycling

Everyones bathrooms will be open, Pinnacle & barrio are taking care of the trash

General Release & Indemnity Agreement

Yes

true

Terms of Understanding

Yes

true



City Clerk Approval

Record No.EVNT-25-33

Status Completed

Became Active November 5, 2025

Type Approval

Due Date None

Assignee Natalia Hernandez

Record No: EVNT-25-33

Event Permit

Status: Active

Submitted On: 11/5/2025

Primary Location

2 MERRIMACK ST
Haverhill, MA 01830

Owner

The foundation Partnership
Merrimack St 2 Haverill, MA 01830

Applicant

 Katie Cook
 978-479-2152
 katie@haverhillchamber.com
 2 Merrimack st #337
Haverhill, Ma 01830

Messages

Kaitlin Wright

November 17, 2025 at 12:26 pm

Updated insurance received.

Kaitlin Wright

November 13, 2025 at 2:58 pm

Hi Katie, We have received the letter. Thank you! I am going to move this along for other departments to review. However, in the meantime, could you upload a new one pager for your insurance? The document you have that lists the City as additionally ensured lists the expiration date as 07/01/2025.

Natalia Hernandez

November 12, 2025 at 2:42 pm

Hi Katie, You can email the letter to my email at nhernandez@haverhillma.gov. Also are you partnering with the City on this event?

Katie Cook

November 6, 2025 at 1:28 pm

Hi I have a letter from the foundation, but I wont add to this event permit

Step Activity





Building Inspector Approval

Record No.EVNT-25-33

Status Completed

Became Active November 13, 2025

Type Approval

Due Date None

Assignee Tom Bridgewater

Record No: EVNT-25-33

Event Permit

Status: Active

Submitted On: 11/5/2025

Primary Location

2 MERRIMACK ST
Haverhill, MA 01830

Owner

The foundation Partnership
Merrimack St 2 Haverill, MA 01830

Applicant

 Katie Cook
 978-479-2152
 katie@haverhillchamber.com
 2 Merrimack st #337
Haverhill, Ma 01830

Messages

No comments yet.



Fire Inspector Approval

Record No. EVNT-25-33

Status Completed

Became Active November 13, 2025

Type Approval

Due Date None

Assignee Eric Tarpy

Record No: EVNT-25-33

Event Permit

Status: Active

Submitted On: 11/5/2025

Primary Location

2 MERRIMACK ST
Haverhill, MA 01830

Owner

The foundation Partnership
Merrimack St 2 Haverill, MA 01830

Applicant

 Katie Cook
 978-479-2152
 katie@haverhillchamber.com
 2 Merrimack st #337
Haverhill, Ma 01830

Messages

No comments yet.



Police Department Approval

Record No. EVNT-25-33

Status Completed

Became Active November 13, 2025

Type Approval

Due Date None

Assignee Kevin Lynch

Record No: EVNT-25-33

Event Permit

Status: Active

Submitted On: 11/5/2025

Primary Location

2 MERRIMACK ST
Haverhill, MA 01830

Owner

The foundation Partnership
Merrimack St 2 Haverill, MA 01830

Applicant



Katie Cook



978-479-2152



katie@haverhillchamber.com



2 Merrimack st #337

Haverhill, Ma 01830

Messages

Kaitlin Wright

November 18, 2025 at 9:35 am

Please review, need to get this on the Council agenda for the 12/2 meeting.



Public Works Director Approval

Record No.EVNT-25-33

Status Completed

Became Active November 13, 2025

Type Approval

Due Date None

Assignee Robert Kimball

Record No: EVNT-25-33

Event Permit

Status: Active

Submitted On: 11/5/2025

Primary Location

2 MERRIMACK ST
Haverhill, MA 01830

Owner

The foundation Partnership
Merrimack St 2 Haverill, MA 01830

Applicant

 Katie Cook
 978-479-2152
 katie@haverhillchamber.com
 2 Merrimack st #337
Haverhill, Ma 01830

Messages

Kaitlin Wright

November 18, 2025 at 10:40 am

Spoke with applicant, G. Mello is assisting with trash.

Katie Cook

November 18, 2025 at 10:31 am

looks great thanks

Kaitlin Wright

November 18, 2025 at 9:35 am

Please review, need to get this on the Council agenda for the 12/2 meeting.



Recreation Department Approval

Record No.EVNT-25-33

Status Completed

Became Active November 13, 2025

Type Approval

Due Date None

Assignee Ben Delaware

Record No: EVNT-25-33

Event Permit

Status: Active

Submitted On: 11/5/2025

Primary Location

2 MERRIMACK ST
Haverhill, MA 01830

Owner

The foundation Partnership
Merrimack St 2 Haverill, MA 01830

Applicant

 Katie Cook
 978-479-2152
 katie@haverhillchamber.com
 2 Merrimack st #337
Haverhill, Ma 01830

Messages

No comments yet.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

11/13/2025

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER MTM Insurance of Greater Haverhill Inc. 35 Stage Street Haverhill MA 01830	CONTACT NAME: Cynthia Davis, CISR PHONE (A/C, No, Ext): (978) 372-1229 FAX (A/C, No): (978) 372-1334 E-MAIL ADDRESS: certificates@mtminsure.com
INSURER(S) AFFORDING COVERAGE	
INSURER A: Sentinel Insurance Company, LTD	NAIC # 11000
INSURER B: Hartford Fire Insurance Company	19682
INSURER C: Arch Insurance Co	
INSURER D:	
INSURER E:	
INSURER F:	

COVERAGES**CERTIFICATE NUMBER:** 25-26**REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: ☒ POLICY ☐ PRO-JECT ☐ LOC OTHER:	Y		08SBANW0227	07/01/2025	07/01/2026	EACH OCCURRENCE \$ 1,000,000
	DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000						
	MED EXP (Any one person) \$ 10,000						
	PERSONAL & ADV INJURY \$ 1,000,000						
							GENERAL AGGREGATE \$ 2,000,000
							PRODUCTS - COMP/OP AGG \$ 2,000,000
	AUTOMOBILE LIABILITY ☐ ANY AUTO ☐ OWNED AUTOS ONLY ☐ SCHEDULED AUTOS ☐ HIRED AUTOS ONLY ☐ NON-OWNED AUTOS ONLY						COMBINED SINGLE LIMIT (Ea accident) \$
							BODILY INJURY (Per person) \$
							BODILY INJURY (Per accident) \$
							PROPERTY DAMAGE (Per accident) \$
	UMBRELLA LIAB ☐ OCCUR EXCESS LIAB ☐ CLAIMS-MADE DED RETENTION \$						EACH OCCURRENCE \$
							AGGREGATE \$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory In NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N ☒ N	N/A	08WECCT6244	07/01/2025	07/01/2026	☒ PER STATUTE ☐ OTH-ER \$
							E.L. EACH ACCIDENT \$ 500,000
							E.L. DISEASE - EA EMPLOYEE \$ 500,000
							E.L. DISEASE - POLICY LIMIT \$ 500,000
C	Directors and Officers			NFP0125432-08	07/01/2025	07/01/2026	Liability Coverage Parts \$1,000,000 Defense Costs Outside unlimited Insured Personal Liability \$1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

RE: Special Event 12/06/25 :Holiday Happenings at Harbor Place 2-44 Merrimack Street Haverhill, MA

The City of Haverhill is included as blanket additional insured if required per written contract per form SS0008 04 05.

This certificate of insurance represents coverage currently in effect and may or may not be in compliance with any written contract. This certificate is issued as a matter of information only and is subject to all the limitations, exclusions, and conditions of the above-listed policies as they now exist or may hereafter be endorsed.

CERTIFICATE HOLDER**CANCELLATION**

City of Haverhill 4 Summer Street Haverhill MA 01830	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE
--	---

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**Greater
Haverhill
Foundation**
Vision, Action, Impact since 1964

RE: EVENT PERMIT - Holiday Happenings at Harbor Place – December 6th 2025

To the City of Haverhill,

As manager of Harbor Place, we give permission to the Greater Haverhill Chamber of Commerce to produce the Holiday Happenings at Harbor Place event on Saturday, December 6th, 2025 and to apply for an Event Permit for that date with the City of Haverhill. Complying with any requirements set forth by the police, fire and and other city agencies.



Greater Haverhill Foundation, Executive Director
GHF Merrimack Street LLC, Manager
Merrimack Street Ventures LLC, Manager

11/6/2025

Date

CC: Peabody Properties Inc.

This event is being thrown in partnership with the Foundation, Barrio, HC Media, Wellness hot yoga, Pentucket bank, pinnacle and the Chamber, all tenants of the building.

Secretary of the Commonwealth of Massachusetts
William Francis Galvin

Business Entity Summary

ID Number: 041426880

Request certificate

New search

Summary for: GREATER HAVERHILL CHAMBER OF COMMERCE

The exact name of the Nonprofit Corporation: GREATER HAVERHILL CHAMBER OF COMMERCE	
Entity type: Nonprofit Corporation	
Identification Number: 041426880	Old ID Number: 000008757
Date of Organization in Massachusetts: 02-16-1914	Date of Revival:
Last date certain:	
Current Fiscal Month/Day: /	Previous Fiscal Month/Day: 01/01

The location of the Principal Office in Massachusetts:

Address: 2 MERRIMACK ST # 3 3RD FLOOR
City or town, State, Zip code, Country: HAVERHILL, MA 01830 USA

The name and address of the Resident Agent:

Name:
Address:
City or town, State, Zip code, Country:

The Officers and Directors of the Corporation:

Title	Individual Name	Address	Term expires
PRESIDENT	KATE COOK	2 MERRIMACK STREET #337 HAVERHILL, MA 01830 USA 2 MERRIMACK ST # 337 HAVERHILL, MA 01830 USA	6/30/27
TREASURER	JAMES HENEBRY	2 MERRIMACK ST HAVERHILL, MA 01830 USA 2 MERRIMACK ST HAVERHILL, MA 01830 USA	6/30/2025
CLERK	SETH CORDES	2 MERRIMACK ST, 5TH FLOOR HAVERHILL, MA 01830 USA	6/30/2025

General Release & Indemnity Agreement

In consideration of a permit granted by the Haverhill City Council as requested herein, hereby remises, releases and forever discharges the City of Haverhill, its respective employees, agents and attorneys from all manner of actions, causes of actions, debts, dues, claims and demands both in law and in equity, more especially any and all claims as a result of the issuance of this permit or use of any City Property, including, but not limited to, property damages and personal injuries resulting from the same.

MELINDA E. BARRETT
MAYOR



CITY OF HAVERHILL
MASSACHUSETTS

13.1

CITY HALL, ROOM 100
FOUR SUMMER STREET
HAVERHILL, MA 01830
PHONE 978-374-2300
FAX 978-373-7544
MAYOR@HAVERHILLMA.GOV
WWW.HAVERHILLMA.GOV

November 24, 2025

To: City Council President Thomas J. Sullivan and Members of the
Haverhill City Council

From: Mayor Melinda E. Barrett

Re: Order to Fund Capital Items from Free Cash Certification

Dear Mr. President and Members of the City Council:

I respectfully submit the attached Order to authorize the funding of capital items from the July 1, 2025 free cash certification.

I recommend approval.

Sincerely,

Melinda E. Barrett
Mayor



Document

CITY OF HAVERHILL

In Municipal Council

NOV 25 PM 5:02
HVCITYCLERK

Ordered:

That the following capital items be funded from the July 1, 2025 free cash certification:

City Hall Repairs & Maintenance	\$70,000
Skating Rink Building Maintenance	\$50,000
Police Department Elevator Repair	\$22,572
Police Department Firearms & Holsters	\$67,040
Police Department Mini split at Maintenance Garage	\$20,000
Police Department Rifles	\$43,500
School Department Parking Lot Repairs	\$100,000
School Department Ceiling Refurbishments	\$100,000
Golden Hill School Roof	\$300,000
Crowell School Windows	\$100,000
TOTAL	\$873,112



MELINDA E. BARRETT
MAYOR

CITY OF HAVERHILL
MASSACHUSETTS

CITY HALL, ROOM 100
FOUR SUMMER STREET
HAVERHILL, MA 01830
PHONE 978-374-2300
FAX 978-373-7544
MAYOR@HAVERHILLMA.GOV
WWW.HAVERHILLMA.GOV

November 25, 2025

To: City Council President Thomas J. Sullivan and Members of the Haverhill City Council

From: Mayor Melinda E. Barrett

RE: FY25 Bills

Dear Mr. President and Members of the Haverhill City Council:

Attached, please find an order to pay bills from the previous fiscal year:

Vendor	Amount	Account
Waste Management	\$ 4,809.84	Wastewater Dept.
Cutting Edge Lawn Svc	\$ 3,595.00	Highway Dept.

Total: \$ 8,404.84

I recommend approval.

Sincerely,

Melinda E. Barrett
Mayor

MEB/em



Document

CITY OF HAVERHILL

In Municipal Council

Ordered:

That in accordance with General Laws, Chapter 44, Section 64, authorize the payment of bill(s) of the previous years and to further authorize the payment from current year departmental appropriations as listed below:

NOV 25 AM 9:02
HMCITYCLERK

<u>Vendor</u>	<u>Amount</u>	<u>Account</u>
WasteManagement	\$4,809.84	Wastewater Dept
Cutting Edge Lawn Srvc	<u>\$3,595.00</u>	Highway Dept
	\$8,404.84	



INVOICE

Page 1 of 3

Customer ID:

17-11653-43003

Customer Name:

HAVERHILL WWTP

Service Period:

05/01/24-05/15/24

Invoice Date:

05/16/2024

Invoice Number:

0094309-2159-4

How to Contact Us

Visit wmsolutions.com

Log in to manage disposal records and tonnage reports. To pay a bill or explore other online tools, visit wm.com/MyWM. Have a question? Fill out the Contact Us Form at WMSolutions.com or contact Customer Service.



Customer Service:
(800) 963-4776

Your Payment is Due

06/15/2024

If full payment of the invoiced amount is not received within your contractual terms, you may be charged a monthly late charge of 2.5% of the unpaid amount, with a minimum monthly charge of \$5, or such late charge allowed under applicable law, regulation or contract.

Your Total Due

\$77,653.41

Previous Balance

53,983.47

+

Payments

(8,211.28)

+

Adjustments

0.00

+

Current Invoice Charges

31,881.22

=

Total Account Balance Due

77,653.41

DETAILS OF SERVICE

Details for Service Location:

Haverhill Wwtp, 40 S Porter St, Haverhill MA 01835-7646

Customer ID: 17-11653-43003

Description	Date	Ticket	Quantity	Unit of Measure	Rate	Amount
Vehicle#: 19-7	05/01/24	1681448				0.00
Municipal Publicly Owned Treatment Works(POTW)Slud			31.41	TON	174.76	5,489.21
Profile # 494711NH						0.00
Generator Haverhill WWTP						0.00
Manifest#: 11720192						0.00
Ticket Total						5,489.21
Vehicle#: 19-7	05/02/24	1681790				0.00
Municipal Publicly Owned Treatment Works(POTW)Slud			29.76	TON	174.76	5,200.86

----- Please detach and send the lower portion with payment ----- (no cash or staples) -----



WASTE MANAGEMENT OF NEW HAMPSHIRE, INC.
TURNKEY LANDFILL
PO BOX 3020
MONROE, WI 53566-8320
(800) 963-4776
TSCEASTERN@WM.COM

560 DC-2
5 trailers
154.7 tons
Flexible
3 trailers
25.02 tons

Invoice Date	Invoice Number	Customer ID (include with your payment)
05/16/2024	0094309-2159-4	17-11653-43003
Payment Terms	Total Due	Amount
Total Due by 06/15/2024	\$77,653.41	

\$4,809.84
Sewer Assessment

\$27,035.37
SLD

JL 5/29/24

2159000171165343003000943090000318812200007765341 2

0008716 01 AB 0.547 **AUTO T 1 1 7137 01835-764640 -C04-P08724-H

1044438



HAVERHILL WWTP
40 S PORTER ST
HAVERHILL MA 01835-7646



WM CORPORATE SERVICES, INC.
AS PAYMENT AGENT
PO BOX 13648
PHILADELPHIA, PA 19101-3648

Printed on
recycled paper.

159-0113737-2159-3

0008716-0000001-0009647

DETAILS OF SERVICE - continued

Details for Service Location:
Haverhill Wwtp, 40 S Porter St, Haverhill MA 01835-7646

Customer ID: 17-11653-43003

Description	Date	Ticket	Quantity	Unit of Measure	Rate	Amount
Profile # 494711NH						0.00
Generator Haverhill WWTP						0.00
Manifest#: 11720191						0.00
Ticket Total						5,200.86
Vehicle#: 2438	05/04/24	1682519				0.00
Municipal Publicly Owned Treatment Works(POTW)Slud			27.38	TON	174.76	4,784.93

GREENER WAYS TO PAY

Please choose one of these sustainable payment options:

**AutoPay**Set up recurring payments with us at wm.com/myaccount**Online**Use wm.com for quick and easy payments**By Phone**Pay 24/7 by calling
866-964-2729

HOW TO READ YOUR INVOICE

Your Total Due				
\$123.45				
Previous Balance				
Previous Balance	+	Payments	+	Current Charges
\$123.45	+	(\$123.45)	+	\$123.45
				=
				\$123.45

1 Your Total Due is the total amount of current charges and any previous unpaid Balances combined. This also states the date payment is due to WM, anything beyond that date may incur additional charges

2 Previous balance is the total due from your previous invoice. We subtract any Payments Received/Adjustments and add your Current Charges from this billing cycle to get a Total Due on this invoice. If you have not paid all or a portion of your previous balance, please pay the entire Total Due to avoid a late charge or service interruption.

3 Service location details the total current charges of this invoice.

Prevent Truck & Facility Fires

Instead of placing these items in the garbage or recycling containers, visit your county or city website to find a household hazardous waste drop off location. You can also visit call2recycle.org to find a retailer who accepts batteries for proper recycling.

NO

- Propane tanks
- Lithium-ion batteries
- BBQ coals
- Other hazardous items

Hazardous household items that are improperly disposed of can cause **garbage truck and facility fires**. This includes lithium-ion batteries that can be found in many electronics and toys.

This summer, remember to:

- Allow coals to cool, after grilling
- Dispose of coals in a sealed metal container
- Take hazardous waste to your local hazardous waste drop location



If your service is suspended for non-payment, you may be charged a Resume charge to restart your service. For each returned check, a charge will be assessed on your next invoice equal to the maximum amount permitted by applicable state law.

☐ Check Here to Change Contact Info

List your new billing information below. For a change of service address, please contact WM.

Address 1	
Address 2	
City	
State	
Zip	
Email	
Date Valid	

☐ Check Here to Sign Up for Automatic Payment Enrollment

If I enroll in Automatic Payment services, I authorize WM to pay my invoice by electronically deducting money from my bank account. I can cancel authorization by notifying WM at wm.com or by calling the customer service number listed on my invoice. Your enrollment could take 1-2 billing cycles for Automatic Payments to take effect. Continue to submit payment until page one of your invoice reflects that your payment will be deducted.

Email	
Date	
Bank Account Holder Signature	

NOTICE: By sending your check, you are authorizing the Company to use information on your check to make a one-time electronic debit to your account at the financial institution indicated on your check. The electronic debit will be for the amount of your check and may occur as soon as the same day we receive your check.

In order for us to service your account or to collect any amounts you may owe (for non-marketing or solicitation purposes), we may contact you by telephone at any telephone number that you provided in connection with your account, including wireless telephone numbers, which could result in charges to you. Methods of contact may include text messages and using pre-recorded/artificial voice messages and/or use of an automatic dialing device, as applicable. We may also contact you by email or other methods as provided in our contract.

Please send all bankruptcy correspondence to RMCbankruptcy@wm.com or PO Box 43290 Phoenix, AZ 85080. Using the email option will expedite your request. (this language is in compliance with 11 USC 342(c)(2) of the Bankruptcy Code)

**Customer ID:****17-11653-43003**

Customer Name:

HAVERHILL WWTP

Service Period:

05/01/24-05/15/24

Invoice Date:

05/16/2024

Invoice Number:

0094309-2159-4

DETAILS OF SERVICE - continued**Details for Service Location:****Customer ID: 17-11653-43003****Haverhill Wwtp, 40 S Porter St, Haverhill MA 01835-7646**

Description	Date	Ticket	Quantity	Unit of Measure	Rate	Amount
Profile # 494711NH						0.00
Generator Haverhill WWTP						0.00
Manifest#: 11720190						0.00
Ticket Total						4,784.93
Vehicle#: 20-17	05/06/24	1682777				0.00
Municipal Publicly Owned Treatment			33.67	TON	174.76	5,884.17
Works(POTW)Slud						0.00
Profile # 494711NH						0.00
Generator Haverhill WWTP						0.00
Manifest#: +						0.00
Ticket Total						5,884.17
Vehicle#: 20-17	05/08/24	1683495				0.00
Municipal Publicly Owned Treatment			32.48	TON	174.76	5,676.21
Works(POTW)Slud						0.00
Profile # 494711NH						0.00
Generator Haverhill WWTP						0.00
Manifest#: +						0.00
Ticket Total						5,676.21
Vehicle#: 295	05/09/24	1683611				0.00
Special Waste Misc			11.17	TON	192.24	2,147.32
Profile # 107462MA						0.00
Generator HAVERTHILL WWTP						0.00
Manifest#: +						0.00
Ticket Total						2,147.32
Vehicle#: 295	05/13/24	1684444				0.00
Special Waste Misc			13.85	TON	192.24	2,662.52
Profile # 107462MA						0.00
Generator HAVERTHILL WWTP						0.00
Manifest#: *						0.00
Ticket Total						2,662.52
Late Payment Charge for 02/01/2024 Invoice	05/01/24					36.00
93463						
Total Current Charges						31,881.22





Cutting Edge Lawn Service
386 Middle Rd
Haverhill, MA 01830
+19784238896
ERIC@CUTTINGEDGELAWN1.COM
<http://www.cuttingedgelawn1.com>

Invoice 1968

DATE	PLEASE PAY	DUE DATE
12/18/2024	\$3,595.00	12/28/2024

BILL TO
City Of Haverhill
500 Primrose St
Haverhill
Ma
01830

PLEASE DETACH TOP PORTION AND RETURN WITH YOUR PAYMENT.

DESCRIPTION	QTY	RATE	AMOUNT
Leaf Removal Curbside leaf pile removal Bradford common		475.00	475.00
Leaf Removal Curbside leaf pile removal. Bradford common		200.00	200.00
Leaf Removal Curbside leaf pile removal. Columbia park		700.00	700.00
Leaf Removal Curbside leaf pile removal. Tyler park		625.00	625.00
Leaf Removal Curbside leaf pile removal. Gale park		400.00	400.00
Leaf Removal Curbside leaf pile removal. Plugs pond		390.00	390.00
Leaf Removal Curbside leaf pile removal. Sagamore park		420.00	420.00
Leaf Removal Curbside leaf pile removal. White park		385.00	385.00

Pay invoice

TOTAL DUE \$3,595.00

THANK YOU.

We appreciate and thank you for your business!!



14.1
Haverhill

Engineering Department, Room 300
978-374-2335

John H. Pettis III, P.E.
Deputy DPW Director/City Engineer
JPettis@HaverhillMA.gov

November 13, 2025

**MEMO TO: CITY COUNCIL PRESIDENT THOMAS J. SULLIVAN AND
MEMBERS OF THE CITY COUNCIL**

Subject: *Forest Av #9 – Add Handicap Parking – HPS-25-11*
Angle St #7 – Add Handicap Parking – HPS-25-13
River St #213 – Add Handicap Parking – HPS-25-14

As requested, attached is the subject Ordinance to add handicap parking at the three subject locations.

Please contact me if you have any questions.

Sincerely,

John H. Pettis III, P.E.
City Engineer

C: Mayor Barrett, Ward, Kimball, Tracy, Mead, Wright

NOV 13 AM 11:06
HAVCITYCLERK



DOCUMENT

CITY OF HAVERHILL

In Municipal Council

ORDERED:

AN ORDINANCE RELATING TO VEHICLES AND TRAFFIC

BE IT ORDAINED by the City Council of the City of Haverhill that the Code of the City of Haverhill, Chapter 240, §85, Schedule B: Parking Restrictions and Prohibitions, as amended, is hereby further amended by ADDING the following:

Forest Avenue: In front of #9	No Parking (except for 1 24-hour handicap parking space)	24 hours
Angle Street: In front of #7	No Parking (except for 1 24-hour handicap parking space)	24 hours
River Street: In front of #213	No Parking (except for 1 24-hour handicap parking space)	24 hours

APPROVED AS TO LEGALITY

City Solicitor

Kaitlin Wright

From: Kaitlin Wright
Sent: Thursday, November 13, 2025 3:43 PM
To: HGLegals@hgazette.com
Cc: Natalia Hernandez
Subject: Ads - Turf Field Bond and Handicap Parking
Attachments: Ad - Turf Field Bonds.pdf

Hi Christa,

Requesting to have the following two legal ads run in the Gazette on December 4, 2025 (one time):

- Turf Field Bond
- Handicap Parking

All my best,

Kaitlin

Kaitlin M. Wright, CMC

City Clerk

4 Summer Street, Room 118

Office: (978) 374-2312

Fax: (978) 373-8490

kwright@haverhillma.gov



VERIFY YOUR VOTER STATUS HERE: <https://www.sec.state.ma.us/ovr/>

MUNICIPAL GENERAL ELECTION	VOTER REGISTRATION DEADLINE	EARLY VOTING PERIOD	LAST DAY TO REQUEST VOTE BY MAIL BALLOT
November 4, 2025	October 24, 2025	October 25 – October 31, 2025	October 28, 2025



**MASSACHUSETTS
REGISTER
TO VOTE
ONLINE**

Click here to request a

**VOTE BY
MAIL Ballot**



CITY COUNCIL

Thomas J. Sullivan, President

Timothy J. Jordan, Vice President

John A. Michitson

Colin F. LePage

Melissa J. Lewandowski

Catherine P. Rogers

Shaun P. Toohey

Michael S. McGonagle

Katrina Hobbs Everett

Devan Ferreira

Ralph T. Basiliere



1501
CITY HALL, ROOM 204

4 SUMMER STREET

TELEPHONE: 978-374-2328

FACSIMILE: 978-374-2329

WWW.CITYOFHAVERHILL.COM

CITYCOUNCIL@HAVERHILLMA.GOV

CITY OF HAVERHILL

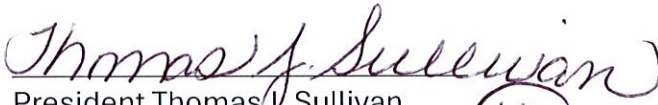
HAVERHILL, MASSACHUSETTS 01830-5843

NOV 24 AM 11:01
HAUCITYCLERK

November 20, 2025

To: Members of the City Council

President Sullivan wishes to announce that the 2026 Inauguration will be held on Monday, January 5, 2026 at 10AM in the Nicholas J. Ross Auditorium.


President Thomas J. Sullivan 

(Meeting: 12.2.25)

Document # 107-A

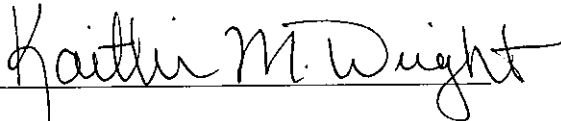
Ordinance re: Boards and Commissions- Article XX Agricultural Commission
Related communication from City Solicitor, Lisa Mead

IN CITY COUNCIL: OCTOBER 28, 2025

PLACED ON FILE FOR 10 DAYS

10 YEAS, 0 NAYS, 1 ABSENT,

Attest:



Kaitlin M. Wright, CMC
City Clerk



Mead, Talerman & Costa, LLC
Attorneys at Law

30 Green Street
Newburyport, MA 01950

978.463.7700
www.mtclawyers.com

October 22, 2025

By Electronic Delivery

Thomas J. Sullivan
City Council President
Haverhill City Council
4 Summer Street,
Room 204
Haverhill, MA 01830

Re: Amendment to Ch. 11 of the City Ordinances re: Agriculture Commission

Dear Mr. Sullivan:

Reference is made to the above captioned matter. In that connection, the City has provided us with comments and materials related to codifying the creation and duties of the City's Agriculture Commission. Please find transmitted along with this letter a new Municipal Ordinance document and correcting the Council's Order 123 of 2019, originally creating the Agriculture Commission.

Sincerely,

/s/ Lisa L. Mead

Atty. Lisa Mead, City Solicitor

Enclosure(s)

cc: Melinda E. Barrett, Mayor

New Bedford Office
227 Union Street
New Bedford, MA 02740
Phone 774.206.6857

Millis Office
730 Main Street, Suite 1F
Millis, MA 02054
Phone 508.376.8400

File for 10 days

14.1

MELINDA E. BARRETT
MAYOR



CITY OF HAVERHILL
MASSACHUSETTS

CITY HALL, ROOM 100
FOUR SUMMER STREET
HAVERHILL, MA 01830
PHONE 978-374-2300
FAX 978-373-7544
MAYOR@HAVERHILLMA.GOV
WWW.HAVERHILLMA.GOV

October 24, 2025

To: City Council President Thomas J. Sullivan and Members of the
Haverhill City Council

From: Mayor Melinda E. Barrett

Re: An Ordinance Relating to Boards and Commissions
Article XX Agricultural Commission

Dear Mr. President and Members of the City Council:

Attached please find An Ordinance Relating to Boards and Commissions –
Article XX Agricultural Commission.

I recommend approval

Very truly yours,

Melinda E. Barrett
Mayor



Document
CITY OF HAVERHILL
In Municipal Council

Ordered:

MUNICIPAL ORDINANCE

CHAPTER 11

AN ORDINANCE RELATING TO BOARDS AND COMMISSIONS

BE IT ORDAINED by the City Council of the City of Haverhill that Chapter 11 of the Code of the City of Haverhill, as amended, being and is hereby further amended by adding the following:

Article XX Agricultural Commission

§ 11-101 Establishment; purpose

There shall be established in the City of Haverhill, in accordance with G.L. c. 40 sec. 8L, which is hereby accepted to the extent set forth below, an Agricultural Commission, which Commission is hereby established for the following general purposes: to promote and develop the agricultural resources of the municipality.

§ 11-102 Duties

Such Commission shall:

- advocate for farmers, farm businesses and farm interests;
- seek to coordinate agricultural related activities with other governmental bodies or unofficial local groups or organizations that promote agriculture;
- receive grants, gifts, bequests or devises of money or personal property of any nature and interest in real property with permission of the City Council and the Mayor;
- apply for, receive, expend and act on behalf of the municipality in connection with federal and state grants or programs or private grants related to local agriculture, with the approval of the Mayor;
- advertise, prepare, print and distribute books, maps, charts and pamphlets related to local agriculture that the municipal Agricultural Commission deems necessary for its work.

§ 11-103 Membership

The Commission shall consist of five (5) members who shall be residents of the City. A

majority of members shall be farmers or employed in an agriculture-related field. If farmers or persons employed in agriculture are not available to serve on the Commission, then the Commission shall include a majority of members with knowledge and experience in agricultural practices or knowledge of related agricultural business.

Each member of the Commission shall serve for a term of 3 years; provided, however, that the initial members appointed under this section shall serve for terms of 1, 2 or 3 years and the terms shall be arranged by the appointing authority so that the terms of approximately 1/3 of the Commission's members shall expire each year.

The members of the Commission shall be appointed by the Mayor and confirmed by the City Council.

A member of the Commission who fails to attend, without reasonable excuse, more than 60% of the meetings of the Commission in any year, may be removed by the appointing authority. A vacancy created by a member being removed shall be filled by the appointing authority for the remainder of the unexpired term in the same manner as the original appointment.

§ 11-104 Operations of the Commission

The Commission may appoint a chair, clerks, and may contract for materials and services as it may require, subject to appropriation by the City.

The Commission shall comply with all purchasing and contracting requirements of the City.

The Commission shall keep accurate records of its meetings and actions and shall file an annual report with the City Clerk. The Commission's annual report shall be posted on the City's website.

The Commission shall work with and keep informed the Conservation Agent or its designee on all happenings and activities of the Commission.



DOCUMENT 123

CITY OF HAVERHILL

In Municipal Council December 10 2019

~~ORDAINED~~

MUNICIPAL ORDINANCE

CHAPTER 11

AN ORDINANCE RELATING TO BOARDS AND COMMISSIONS

BE IT ORDAINED by the City Council of the City of Haverhill that Chapter 11 of the Code of the City of Haverhill, as amended, being and is hereby further amended by adding the following:

"Article XIX. Agriculture Commission

§ 11-92 Establishment; purpose.

There shall be established in the City of Haverhill, in accordance with MGL c. 40, §8L, which is hereby accepted, an Agriculture Commission, which Commission is hereby established for the following general purposes: to promote and develop the agricultural resources of the municipality.

§ 11-93 Duties.

A. Such Commission shall advocate for farmers, farm businesses and farm interests; assist farmers in resolving municipal problems or conflicts related to farms; seek to coordinate agricultural- related activities with other governmental bodies or unofficial local groups or organizations that promote agriculture; receive grants, gifts, bequests or devises of money or personal property of any nature and interests in real property with permission of the City Council and the Mayor; apply for, receive, expend and act on behalf of the municipality in connection with federal and state grants or programs or private grants related to local agriculture, with the approval of the Mayor; advertise, prepare, print and distribute books, maps, charts and pamphlets related to local agriculture that the municipal agricultural Commission deems necessary for its work; and, buy, hold, manage, license or lease land for agricultural purposes with permission of the City Council and the Mayor



Outlook

Legal Ad For Haverhill

From Natalia Hernandez <NHernandez@HaverhillMa.gov>

Date Thu 10/30/2025 4:52 PM

To hglegals@hgazette.com <hglegals@hgazette.com>

Cc Kaitlin Wright <kwright@haverhillma.gov>; Natalia Hernandez <NHernandez@HaverhillMa.gov>

 1 attachment (51 KB)

Ad for Article XX Agricultural Commission 2025.pdf;

Good Afternoon,

Please run the following legal ad one time in the Gazette on November 6, 2025.

An Ordinance relating to Boards and Commissions Article XX Agricultural Commission.

Any questions, please call 978-420-3621. Thank you!

Sincerely,
Natalia Hernandez



16.2

Document # 94-V

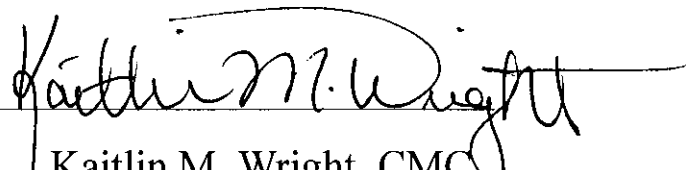
Mayor Barrett submits an ordinance to amend the Code of City by adding a new section: §189-16 Sex Offenders

IN CITY COUNCIL: November 18, 2025

11 Yeas, 0 Nays

FILED 10 DAYS

Attest:


Kaitlin M. Wright, CMC
City Clerk

MELINDA E. BARRETT
MAYOR



CITY OF HAVERHILL
MASSACHUSETTS

CITY HALL, ROOM 100
FOUR SUMMER STREET
HAVERHILL, MA 01830
PHONE 978-374-2300
FAX 978-373-7544
MAYOR@HAVERHILLMA.GOV
WWW.HAVERHILLMA.GOV

5.5

November 14, 2025

To: City Council President Thomas J. Sullivan and Members of the
Haverhill City Council

From: Mayor Melinda E. Barrett

Re: An Ordinance Relating to Sex Offenders

Dear Mr. President and Members of the City Council:

I respectfully submit for your approval An Ordinance Relating to Sex Offenders. This Ordinance proposes an amendment to Chapter 189 of the Code of the City of Haverhill by adding a new section: §189-16 Sex Offenders.

I recommend approval.

Sincerely,

Melinda E. Barrett
Mayor

NOV 14 AM 8:54
HMCITYCLERK



Mead, Talerman & Costa, LLC
Attorneys at Law

30 Green Street
Newburyport, MA 01950
Phone 978.463.7700

www.mtclawyers.com

Millis Office
730 Main Street, Suite 1F
Millis, MA 02054

New Bedford Office
227 Union Street, Suite 606
New Bedford, MA 02740

November 13, 2025

Melinda Barrett, Mayor
City of Haverhill
4 Summer Street,
Room 204
Haverhill, MA 01830

Re: Amendment to Chapter 189 of the City Ordinances

Dear Mayor Barrett:

Reference is made to the above captioned matter. In that connection, you have requested that we draft an ordinance amendment to Ch. 189 of the City of Haverhill City Ordinances, which adds the following new Section: § 189-16 Sex Offenders.

Attached to this correspondence for the City Council's review is a draft of said new § 189-16 Sex Offenders.

Sincerely,

/s/ Lisa L. Mead

Attorney Lisa L. Mead
City Solicitor

Enclosure(s)

cc: Haverhill City Council



Mead, Talerman & Costa, LLC
Attorneys at Law

30 Green Street
Newburyport, MA 01950
Phone 978.463.7700

www.mtclawyers.com

Millis Office
730 Main Street, Suite 1F
Millis, MA 02054

New Bedford Office
227 Union Street, Suite 606
New Bedford, MA 02740

TO: MELINDA BARRETT, MAYOR
CHRISTINE LINDBERG, MAYOR'S OFFICE CHIEF OF STAFF

FROM: LISA L. MEAD, CITY SOLICITOR

RE: SEX OFFENDER RESIDENCY BYLAW

DATE: NOVEMBER 13, 2025

Per your request, below is a legal opinion as to whether the City can enact an ordinance regulating where sex offenders may reside and where they may be physically present within the City. In short, yes, but if challenged, there is a chance that the ordinance would be overturned under *Doe v. Lynn*, 472 Mass. 521 (2015). Even so, there are a number of municipalities that have comparable ordinances/bylaws on the books, such as the City of Springfield and the Town of Southborough.

In *Doe v. Lynn*, a group of sex offenders challenged a city ordinance restricting – with certain exceptions – their right to reside and their right to be physically present at a particular place within the city. The purpose of the ordinance was to “reduce the potential risk of harm to children of the community by impacting the ability of registered sex offenders to be in contact with unsuspecting children in locations that are primarily designed for use by, or are primarily used by children.” *Id.* at 522-524. Observing that “[r]egistered sex offenders continue to reside in close proximity to public and private schools, parks and playgrounds,” and that “registered sex offenders will continue to move to buildings, apartments, domiciles or residences in close proximity to schools, parks and playgrounds,” the city council enacted the ordinance to “add location restrictions to such offenders where the [S]tate law [was] silent.” *Id.*

Specifically, the ordinance prohibited – with certain exceptions – Level 2 and Level 3 sex offenders from living within 1,000 feet of a school or park, which effectively excluded Level 2 and 3 sex offenders from living in 95% of the city. *See id.* The ordinance likewise prohibited – again with certain exceptions – Level 2 and Level 3 offenders from entering a school, park, or recreational facility, and from “loitering” within 1,000 feet of such facilities.

Noting that 40 municipalities in commonwealth had similar bylaws or ordinances, the Supreme Judicial Court (the “SJC”) nonetheless upheld the Superior Court’s decision invalidating the ordinance as exceeding the city’s authority under the Commonwealth’s Home Rule Amendment.

“Local regulation will not be invalidated under Home Rule Amendment unless the court finds a sharp conflict between the local and state provisions, and sharp conflict appears when either the legislative intent to preclude local action is clear, or, absent plain expression of such intent, the purpose of the legislation cannot be achieved in the face of the local by-law.” *Id.* at 526. Applying the foregoing standard, the SJC held as follows:

The totality of the [Commonwealth’s sex offender registry] statutory scheme, incorporating as it does a series of interdependent policies

and practices specifically designed to protect the public from level two and three sex offenders by monitoring and notification to the public, evinces the Legislature's intent to have the first and final word on the subject of residency of sex offenders. In addition, insofar as the ordinance effects [sic] a wholesale displacement of sex offenders from their residences, it frustrates the purpose of the registry law and, therefore, is inconsistent and invalid under the home rule provisions.

The Attorney General's Municipal Law Unit interprets *Doe v. Lynn* as prohibiting municipalities from enacting any local legislation that regulates "where sex offenders may live or be." *West Boylston Semi-Annual Town Meeting of October 21, 2024* - Case # 11610; *see also Yarmouth Annual Town Meeting of May 2, 2015* - Case # 7602 ("the City of Lynn decision makes it clear that any municipal regulation of sex offenders' residency or presence at particular places within the municipality is preempted by the comprehensive state statutory scheme"); *Rehoboth Special Town Meeting of November 2, 2015* - Case # 7797.

Here, while there is no doubt that the proposed ordinance regulates where sex offenders may live or be in the City, cities are not required to submit their ordinances to the Municipal Law Unit for review and, as such, are not necessarily subject to the foregoing interpretation.

But if challenged, the ordinance would still be reviewed under *Doe v. Lynn*. In response, the City would argue that its ordinance, unlike Lynn's, does not affect "a wholesale displacement of sex offenders from their residences," and is therefore valid under the Home Rule Amendment. However, this argument's likelihood of success is uncertain for two reasons: (1) both ordinances prohibit sex offenders from residing within 1000 feet of or loitering around schools, parks, etc. – a substantial percentage of the cities' land area; and (2) there is a strong argument that *Doe v. Lynn* is abundantly clear that the statutory scheme on registering sex offenders preempts the field – as stated by the Municipal Law Unit.



Document

5.5.1

CITY OF HAVERHILL

In Municipal Council

Ordered:

MUNICIPAL ORDINANCE

CHAPTER 189

AN ORDINANCE RELATING TO SEX OFFENDERS

BE IT ORDAINED by the City Council of the City of Haverhill that Chapter 189 of the Code of the City of Haverhill, as amended, being and is hereby further amended by adding the following:

§ 189-16 Sex Offenders

A. Findings and purpose.

- (1) The City of Haverhill recognizes that it has a compelling interest in protecting children from the threat of sexual abuse;**
- (2) Due to a child's vulnerability, the City Council is compelled to take a protective role by adopting laws that are designed to protect the City's children from registered sex offenders;**
- (3) Registered sex offenders continue to reside in direct proximity to public and private schools;**
- (4) Without adequate protective ordinances at the local level, registered sex offenders will continue to move to buildings, domiciles or residences in proximity to schools; and**
- (5) The City Council wishes to protect children in the education environment.**

B. Intent and scope.

- (1) The City Council finds that sex offenders pose a significant threat to the health and safety of the community and especially to children, whose age and inexperience make them particularly vulnerable to the heinous and reprehensible acts of these offenders.**

- (2) The rate of recidivism among sex offenders is high. Limiting the frequency of contact between registered sex offenders and areas where children are likely to congregate reduces the opportunity and temptation, and can reduce the risk of repeated acts against children.
- (3) After careful consideration, the City Council finds that this legislation is the most narrowly tailored means of limiting, to the fullest extent possible, the opportunity for registered sex offenders to approach or otherwise come in contact with children in places where children would naturally congregate, and that the protection of the health and safety of our children is a compelling governmental interest.
- (4) It is the intent of this § 189-16 to serve and to protect the City's compelling interest to promote, protect, and Improve the health, safety, and welfare of the citizens of the City by creating areas around locations where children regularly congregate in concentrated numbers wherein certain registered sex offenders are prohibited from loitering and establishing temporary or permanent residence.
- (5) By the enactment of this or any other legislation, the City Council understands that it cannot remove the threat posed to or guarantee the safety of children, or assure the public that registered sex offenders will comply with the mandates of this § 189-16. This § 189-16 is intended to create a civil, nonpunitive regulatory scheme in order to protect children to the extent possible under the circumstances and not as a punitive measure of any kind.
- (6) Registered sex offenders pose a clear threat to the children residing or visiting in the community. Because registered sex offenders are more likely than any other type of offender to re-offend for another sexual offense, the City Council of the City of Haverhill desires to impose safety precautions in furtherance of the goal of protecting the children. The purpose of this chapter is to reduce the potential risk of harm to children of the community by impacting the ability for registered sex offenders to be in contact with unsuspecting children in locations that are primarily designed for use by or are primarily used by children, namely, the grounds of a public or private school for children, a park, or other private or public recreational facility. The City of Haverhill desires to add location restrictions to such offenders where the state law is silent.
- (7) The City of Haverhill does not intend for this § 189-16 to affect a wholesale displacement of sex offenders from their residences.

C. Definitions

The following words, terms and phrases, when used in this chapter, shall have the meanings ascribed to them in this section, except where the context clearly indicates a different meaning:

CHILD or CHILDREN — Persons under 18 years of age.

ESTABLISHING A RESIDENCE — To set up or bring into being a dwelling place or an abode where a person sleeps, which may include more than one location, and may be temporary, mobile or transitory, or by means of purchasing real property or entering into a lease or rental agreement for real property (including a renewal or extension of a prior agreement whether through written execution or automatic renewal).

PARK — Includes active and passive public land designated for recreational or athletic use by the City of Haverhill, the Commonwealth of Massachusetts, or other governmental subdivision, and located within the City of Haverhill.

PERMANENT RESIDENCE — A place where a person lives, abides, lodges, or resides for 14 or more consecutive days.

RECREATIONAL FACILITY — Includes, but is not limited to, a playground, a forest preserve, conservation area, jogging trail or running track, hiking trail, beach, water park, wading pool, soccer field, baseball field, football field, basketball court, or hockey rink.

REGISTERED SEX OFFENDER — Any person required to register as a sex offender pursuant to G.L. c. 6, § 178C, who is finally classified as a Level 2 or Level 3 offender pursuant to the guidelines of the Sex Offender Registry Board, and who has committed a sex offense against a child.

SCHOOL — Any public or private educational facility that provides educational instruction to children in grades Kindergarten through 12.

SEX OFFENDER and SEX OFFENSE — Shall have the same meaning as provided for in G.L. c. 6, § 178C.

TEMPORARY RESIDENCE — A place where a person lives, abides, lodges, or resides for a period of less than 14 consecutive days or 14 days in the aggregate during any calendar year, which is not the person's permanent address or place where the person routinely lives, abides, lodges, or resides and which is not the person's permanent residence; but "temporary residence" shall not include residence at a hospital or other acute care medical facility for fewer than 14 consecutive days or 14 days in the aggregate during any calendar year.

D. Residency Restrictions

- (1) Prohibition. A registered sex offender is prohibited from establishing a permanent residence or temporary residence within 1000 feet of any school.
- (2) Evidentiary matters; measurements. For purposes of determining the minimum distance separation, the distance shall be measured by following a straight line

from the outer property line of the permanent or temporary residence to the nearest outer property line of any school.

- (3) **Exceptions.** A registered sex offender residing within 1000 feet of any school does not commit a violation of this section if any of the following apply:

a. The registered sex offender established the permanent residence prior to the effective date of this chapter, and:

- i. Permanent residence was established by purchasing the real property where the residence is established; or
- ii. Permanent residence was established through a valid, fixed-term, written lease or rental agreement, executed prior to the effective date of this chapter, the term of which has not yet expired.

b. The registered sex offender is a minor.

c. The school within 1000 feet of the registered sex offender's permanent residence was opened after the registered sex offender established the permanent residence.

- (4) **Notice to move.** A registered sex offender who resides on a permanent or temporary basis within 1000 feet of any school shall be in violation of this section and shall, within 30 days of receipt of written notice of the registered sex offender's noncompliance with this chapter, move from said location to a new location, but said location may not be within 1000 feet of any school. It shall constitute a separate violation for each day beyond the 30 days the registered sex offender continues to reside within 1000 feet of any school. Furthermore, it shall be a violation each day that a registered sex offender shall move from one location in the City to another that is within 1000 feet of any school.

E. Child Safety Zones

(1) Prohibitions.

- a. A registered sex offender is prohibited from entering upon the premises of a school unless previously authorized specifically in writing by the school administration.
- b. A registered sex offender shall not enter a park or any other private or public recreational facility when children are present and approach, contact, or communicate with any child present, unless the registered sex offender is a parent or guardian of a child present in such park or any other private or public recreational facility.
- c. A registered sex offender shall not loiter on or within 1000 feet of any

property on which there is a school, park, or any other private or public recreational facility. Under this subsection, "loiter" means to enter or remain on property while having no legitimate purpose therefor or, if a legitimate purpose exists, remaining on that property beyond the time necessary to fulfill that purpose. No person shall be in violation of this subsection unless he or she has first been asked to leave a prohibited location by a person authorized to exclude the registered sex offender from the premises. An authorized person includes, but is not limited to, any law enforcement officer, any owner or manager of the premises, or principal or teacher, if the premises are a school.

(2) Exceptions.

- a. The prohibitions defined in this section shall not be construed or enforced so as to prohibit a registered sex offender from exercising his or her right to vote in any federal, state, or municipal election, or from attending any religious service.
- b. The prohibitions defined in this section do not apply to a registered sex offender's place of residence when such residence is excepted under this § 189-16.

F. Exemptions.

- (1) The provisions of this chapter shall not be applicable to registered sex offenders incarcerated in any facilities owned, maintained, and/or operated by the City of Haverhill.

G. Enforcement; map of prohibited areas.

- (1) The Haverhill Police Department shall be charged with the enforcement of this chapter.
- (2) A map depicting the prohibited areas shall be created by the City and maintained by the Haverhill Police Department. The City shall review the map annually for changes. The map and a copy of this chapter will be available to the public at the Haverhill Police Department and on the City's website.

F. Violations and penalties.

- (1) Any violation of this § 189-16 shall result in: a noncriminal fine not exceeding \$300 for a first violation; a noncriminal fine not exceeding \$300 for each additional violation of this provision. A registered sex offender commits a separate offense for each and every day or violation of this chapter.
- (2) First offense of any violation of this chapter by registered sex offender:

noncriminal fine of \$300 and notification to offender that he/she has 30 days to move.

- (3) Any subsequent offense of this § 189-16 by a registered sex offender: noncriminal fine of \$300 and notification to the offender's landlord, parole officer and/or probation officer, and the Commonwealth's Sex Offender Registry Board that the sex offender has violated a municipal ordinance.**



DOCUMENT

CITY OF HAVERHILL

In Municipal Council

ORDERED:

Municipal Ordinance

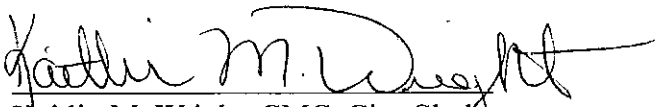
Chapter

An Ordinance Relating to Sex Offenders, that Chapter 189 of the Code Of the City Of Haverhill, as amend, being and is hereby further amended by adding the following: § 189-16 Sex Offenders

Since this Ordinance exceeds in length eight octavo pages of ordinary book print, in lieu of advertising, it is published by the City Council in a municipal bulletin, placed on file in the City Clerk's Office, and posted on the municipal bulletin in City Hall.

PLACED ON FILE for at least 10 days

Attest:


Kaitlin M. Wright, CMC, City Clerk

Kaitlin Wright

From: Natalia Hernandez
Sent: Friday, November 14, 2025 11:41 AM
To: hglegals@hgazette.com
Cc: Kaitlin Wright
Subject: Ad for Sex Offenders

 [Ad Sex Offenders .docx](#)

Good Evening,

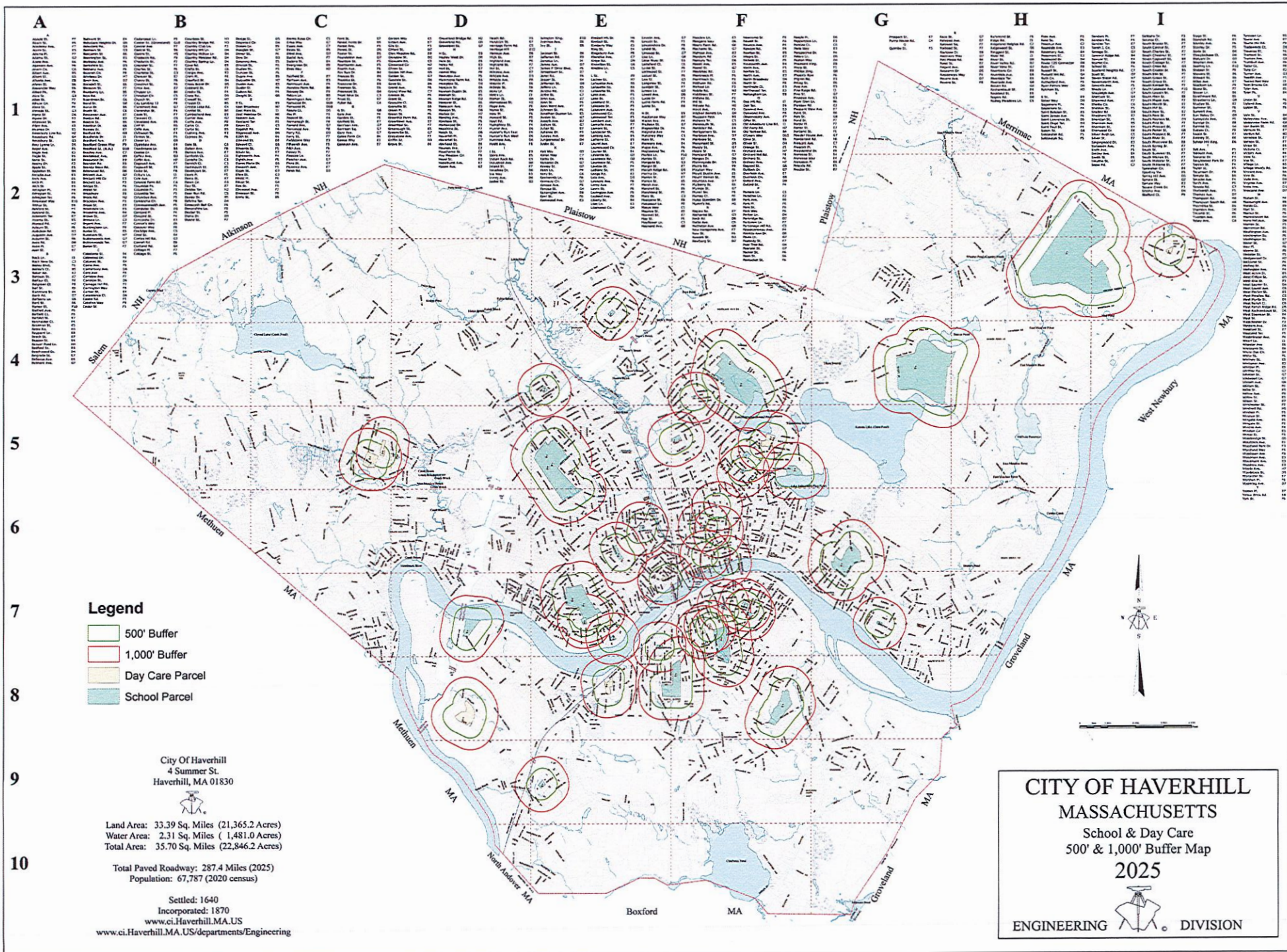
Please run the following legal ad one time in the Gazette on November 20, 2025.

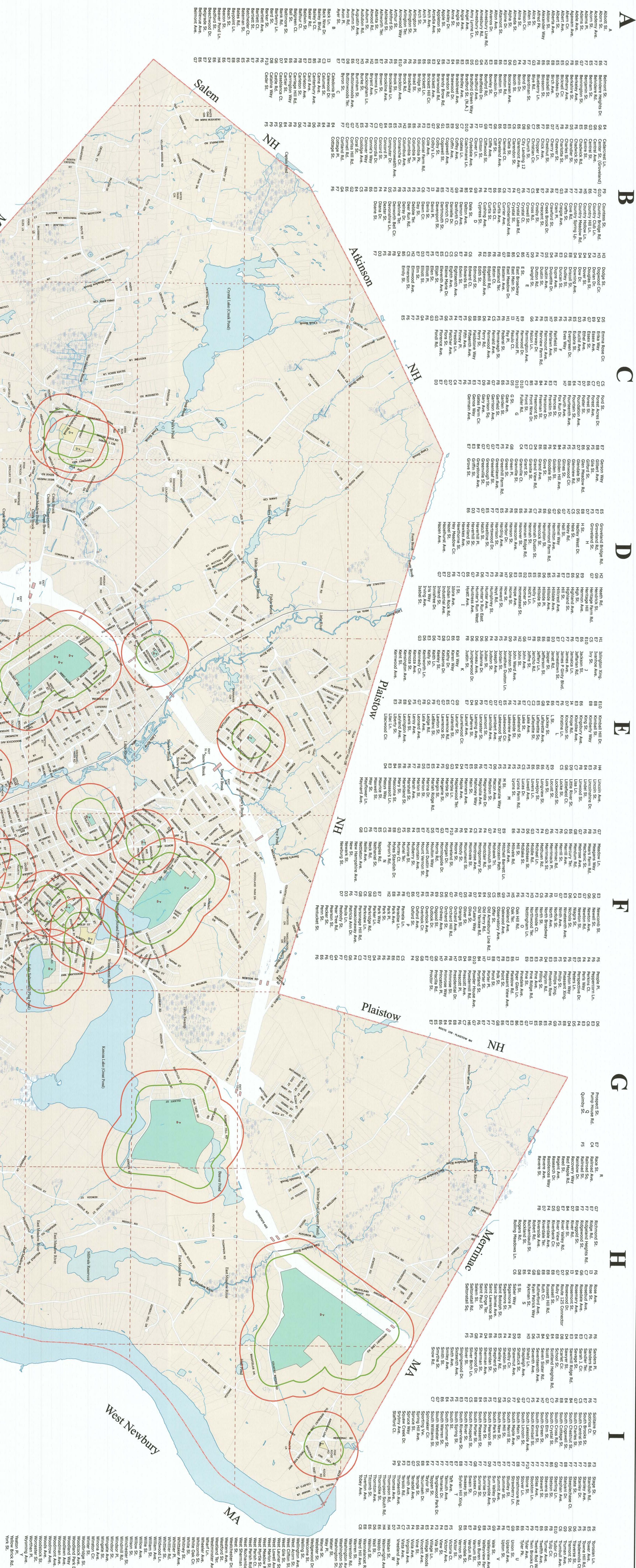
Regarding Sex Offenders

Any questions, please call 978-420-3621. Thank you!

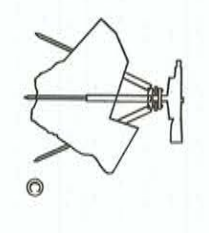
Sincerely,
Natalia Hernandez





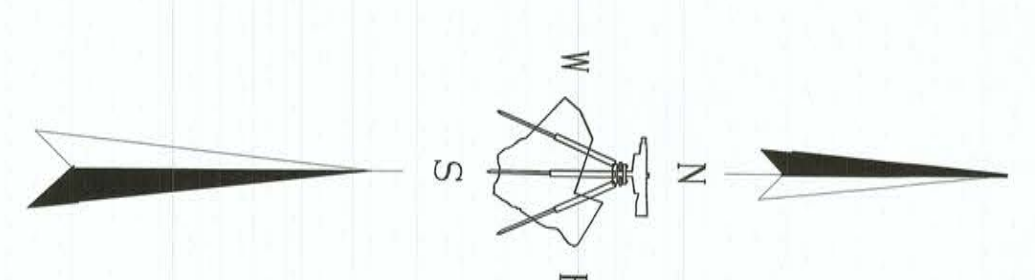


City Of Haverhill
4 Summer St.
Haverhill, MA 01830



Land Area: 33.39 Sq. Miles (21,365.2 Acres)
Water Area: 2.31 Sq. Miles (1,481.0 Acres)
Total Area: 35.70 Sq. Miles (22,846.2 Acres)
Total Paved Roadway: 287.4 Miles (2025)
Population: 67,787 (2020 census)

Settled: 1640
Incorporated: 1870
www.ci.Haverhill.MA.US/departments/Engineering



CITY OF HAVERHILL

MASSACHUSETTS

School & Day Care

500' & 1,000' Buffer Map

2025

ENGINEERING

DIVISION

Kaitlin Wright

From: North of Boston <noreply@wave2adportal.com>
Sent: Monday, November 17, 2025 10:18 AM
To: CityClerk
Cc: cmacdonald@northofboston.com; Kaitlin Wright
Subject: Thank you for placing your order with us.

Warning! External Email. Exercise caution when opening attachments or clicking on any links.
THANK YOU for your notice submission!

This is your confirmation that your order has been submitted. Below are the details of your transaction. Please save this confirmation for your records.

Job Details

Order Number:
W0139364
Business Type:
All Other Public Notices

Notice Size:
Public Notices

Notice Estimate:
\$57.69

Referral Code:
Sex offender Ordinance

Account Details

Haverhill Clerk
4 SUMMER ST STE 118
HAVERHILL, MA 01830
978-374-2312
cityclerk@cityofhaverhill.com
HAVERHILL CITY CLERK

Schedule for notice number W01393640

Thu Nov 20, 2025
Haverhill Gazette Public Notices
All Zones

CITY OF HAVERHILL
In Municipal Council
ORDERED:
Municipal Ordinance Chapter
An Ordinance Relating to Sex Of-
fenders, that Chapter 189 of the
Code Of the City Of Haverhill, as
amend, being and is hereby further
amended by adding the following: §
189-16 Sex Offenders
Since this Ordinance exceeds in
length eight octavo pages of ordi-
nary book print, in lieu of advertis-
ing, it is published by the City Coun-
cil in a municipal bulletin, placed
on file in the City Clerk's Office, and
posted on the municipal bulletin in
City Hall.
PLACED ON FILE for at least 10
days
Attest:
Kaitlin M. Wright, CMC, City Clerk
HG - Publication Dates

The North of Boston Media Group is not responsible for any false, inaccurate or omitted notices.

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This is an automated message, please do not reply to this e-mail. If you have any questions or concerns you may contact us toll-free at 800-681-6248.

16.3

Document # 94- U

Mayor Barrett submits an order to designate the position of
Special Counsel retained to provide legal advice
as a Special Municipal Employee

IN CITY COUNCIL: November 18, 2025

11 Yeas, 0 Nays,

CONT TO DECEMBER 2,2025

Attest: Kaitlin M. Wright
Kaitlin M. Wright, CMC
City Clerk

MELINDA E. BARRETT
MAYOR



CITY OF HAVERHILL
MASSACHUSETTS

16.3

CITY HALL, ROOM 100
FOUR SUMMER STREET
HAVERHILL, MA 01830
PHONE 978-374-2300
FAX 978-373-7544
MAYOR@HAVERHILLMA.GOV
WWW.HAVERHILLMA.GOV

November 15, 2025

NOV 14 AM 10:42
HVCITYCLERK

To: City Council President Thomas J. Sullivan and Members of the
Haverhill City Council

From: Mayor Melinda E. Barrett

Re: Order to Designate Special Counsel as Special Municipal
Employee Pursuant to MGL Ch. 268A, §17

Dear Mr. President and Members of the City Council:

Attached please find an Order to designate the position of Special Counsel retained to provide legal advice regarding the Whittier Regional Vocational Technical District Agreement as a Special Municipal Employee of the City of Haverhill in accordance with MGL Ch. 268A, §17.

I recommend approval


Very truly yours,

Melinda E. Barrett
Mayor



Document

CITY OF HAVERHILL

In Municipal Council

16.3.1

Ordered:

**ORDER TO DESIGNATE POSITION OF SPECIAL COUNSEL
AS SPECIAL MUNICIPAL EMPLOYEE
PURSUANT TO MGL CH. 268A, § 17**

To designate the position of Special Counsel for legal advice regarding the Whittier Regional Vocational Technical District Agreement as a Special Municipal Employee of the City of Haverhill in accordance with G.L. c. 268A, § 17, or take any other action relative thereto.

ORDERED,

By the City Council of the City of Haverhill, as follows:

That the position of Special Counsel for legal advice regarding the Whittier Regional Vocational Technical District Agreement is designated as a Special Municipal Employee of the City of Haverhill in accordance with G.L. c. 268A, § 17.

APPROVED AS TO LEGALITY:

City Solicitor

Voted

Attest:

Approved:

City Clerk

Mayor

CITY COUNCIL

Thomas J. Sullivan, *President*
Timothy J. Jordan, *Vice President*
John A. Michitson
Colin F. LePage
Melissa J. Lewandowski
Catherine P. Rogers
Shaun P. Toohey
Michael S. McGonagle
Katrina Hobbs Everett
Devan Ferreira
Ralph T. Basiliere



CITY HALL, ROOM 204
 4 SUMMER STREET
 TELEPHONE: 978-374-2328
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CITY OF HAVERHILL

HAVERHILL, MASSACHUSETTS 01830-5843

OCT 17 AM 8:38
 HAVCITYCLERK

DOCUMENTS REFERRED TO COMMITTEE STUDY

103-HH	Motion by Councilor Michitson to send the <i>Home Rule Petition – An act establishing guidelines for the installation of and use of Electric vehicle charging stations in the City of Haverhill</i> , to committee in order to coordinate with condo associations.	A&F	12/23/23
40	Motion by Councilor Lewandowski to send updated Cannabis Social Equity Best Practices for the Cannabis Control Commission to A&F for further review.	A&F	4/2/24
12-P	Motion by Councilor Jordan to send possible conditions on new development and potential changes to our zoning ordinances.	Planning & Development	5/21/24
12-S	Motion by Councilor Ferreira to send the City's Swimming Ordinance Chapter 193 Article III and related items at Lake Saltonstall, aka Plug Pond to NRPP for further discussion.	NRPP	6/18/24
33-F	Motion by Councilor Basiliere to send resident winter parking concerns and offer suggestions for improvements	Public Health Safety	3/11/25
60	Motion by Councilor Michitson to send the Haverhill Housing Production Plan to P&D for further discussion	Planning & Development	5/6/25
33-L	Motion by Councilor Lewandowski to send Bill 3360 (vacancy tax on residential properties) for review and also further review of MVSP (Massachusetts Vacant Storefront Program)	Planning & Development	6/24/25
33-M	Motion by Councilor Michitson to send for feedback on Cross-Cutting Career training event from various participants	Planning & Development	6/24/25
33-P	Motion by Councilor Ferreira to send for review as to what our local strategies are for traffic and safety as well as looking into these intersections for public safety (Amesbury Line Road/Merrimac Road)	Public Health Safety	9/16/25
94-B	Motion by Councilor Ferreira to look at updating the standards of Ch. 250 article VI of the Haverhill Zoning Code regarding water use restrictions established in 2016	Planning & Development	9/16/25
33-T	Motion by Councilor Lewandowski to establish a working group previously discussed to implement a control management plan for the vegetation in Riverside Park/Edible Avenue along the river	NRPP	9/30/25