

COMMITTEE ON INFRASTRUCTURE

FEBRUARY 23, 2022

7:00 PM

Aldermanic Chamber and via Zoom

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Join Zoom Meeting: <https://us02web.zoom.us/j/81185130865?pwd=RIhwaFpTMHB4YklWUCtnWVA5QW9mUT09>

Meeting ID: 811 8513 0865

Passcode: 454367

Join by telephone: 1-929-205-6099

Meeting ID: 811 8513 0865

Passcode: 454367

*If for some reason you cannot connect to Zoom, please contact us at (603) 589-3329 and they will help you with connectivity. The public may also view the meeting via Channel 16.*

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PUBLIC COMMENT

COMMUNICATIONS

From: Wayne R. Husband, P.E., Senior Traffic Engineer

Re: O-22-004 – Prohibiting Right turns on Red from Adventure Way onto DW Highway Northbound

PETITIONS

Petition for Authorization for Issuance of Building Permits for a Building on a Private Road - 19 Roby Street

UNFINISHED BUSINESS

NEW BUSINESS – RESOLUTIONS

NEW BUSINESS - ORDINANCES

**O-22-004**

Endorsers: Alderman Derek Thibeault  
Alderman Patricia Klee  
Alderman-at-Large Melbourne Moran, Jr.  
Alderman-at-Large Ben Clemons  
Alderman Richard Dowd  
Alderwoman-at-Large Gloria Timmons

**PROHIBITING A RIGHT TURN ON RED FROM ADVENTURE WAY ONTO DANIEL WEBSTER HIGHWAY**

TABLED IN COMMITTEE

GENERAL DISCUSSION

PUBLIC COMMENT

REMARKS BY THE ALDERMEN

ADJOURNMENT



# THE CITY OF NASHUA

*Division of Public Works  
Engineering Department*

*"The Gate City"*

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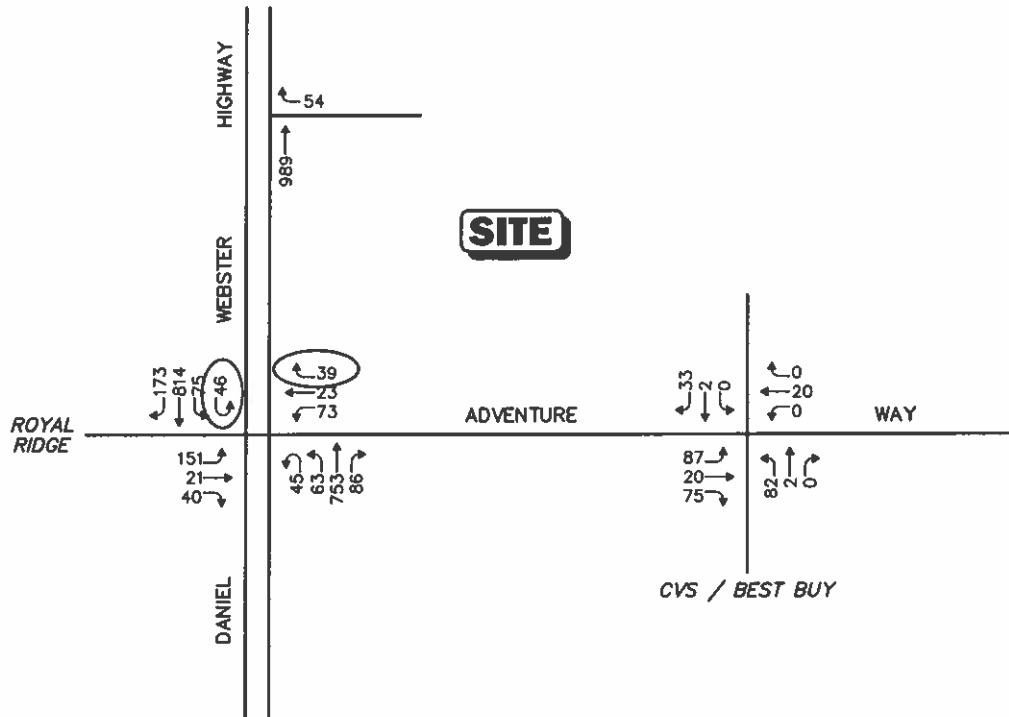
To: Infrastructure Committee Date: February 16, 2022  
From: Wayne R. Husband, P.E.  
Senior Traffic Engineer  
Re: O-22-004 - Prohibiting Right turns on Red from Adventure Way onto DW Highway Northbound

The Division of Public Works supports restricting right turns on red from Adventure Way onto DW Highway northbound for the following reasons:

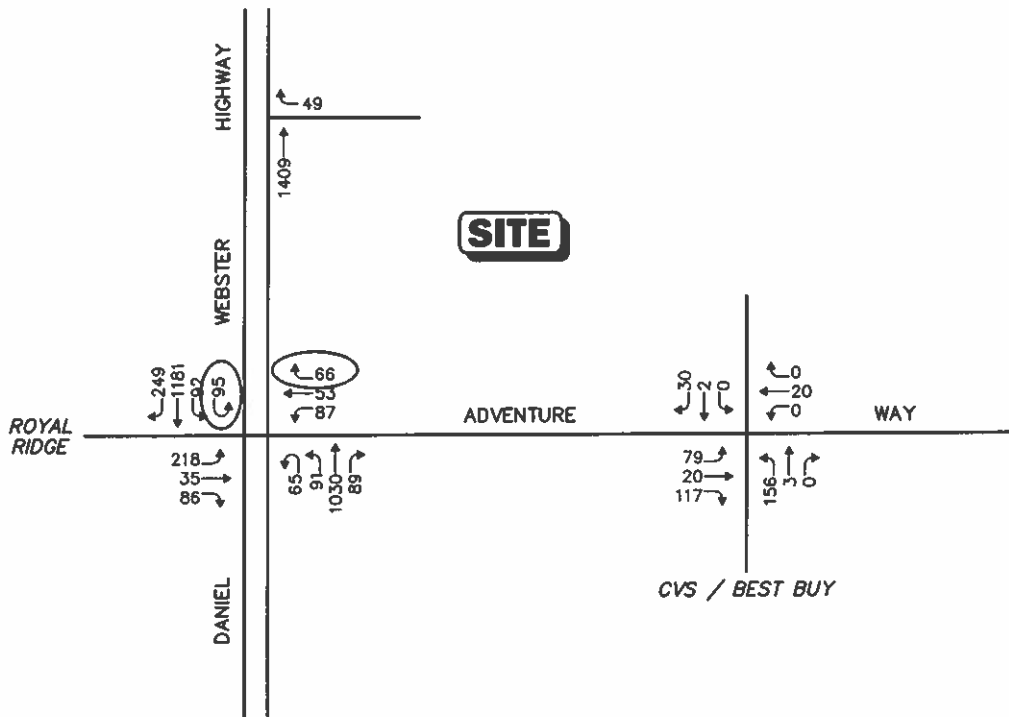
- There is limited intersection sight distance available to motorists waiting at the Adventure Way approach to see motorists along DW Highway to the south.
- There are a significant number of motorists making U-turns from DW Highway southbound to DW Highway northbound at the Adventure Way intersection (see attached excerpt from BJ's traffic study). These U-turns have the exclusive green arrow at the same time motorists can turn right on red from Adventure Way. This conflict presents potential safety concerns for motorists.
- The potential safety issues will become more pronounced with the increase in traffic from the proposed Costco development that will have access to the Adventure Way approach to DW Highway.
- With approximately one right-turn from Adventure way per minute, we do not anticipate this right turn on red restriction resulting in significant backups in the right/thru lane.

We are aware that the new BJ's Gas facility has caused congestion at times in the vicinity of the intersection, and understand that the Planning Department is working with representatives of the site to resolve the issue.

**WEEKDAY EVENING PEAK HOUR**



**SATURDAY MIDDAY PEAK HOUR**



Not To Scale



Figure 6

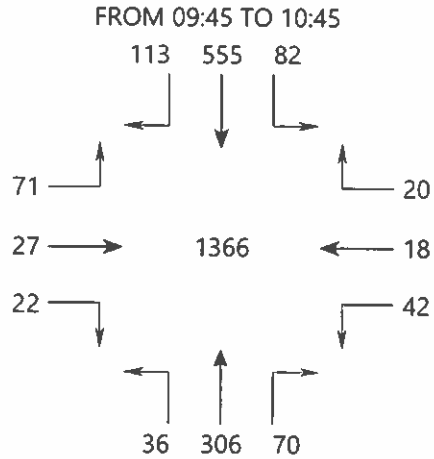
2022 Build  
Peak Month Peak Hour  
Traffic Volumes

# GRIDSMART

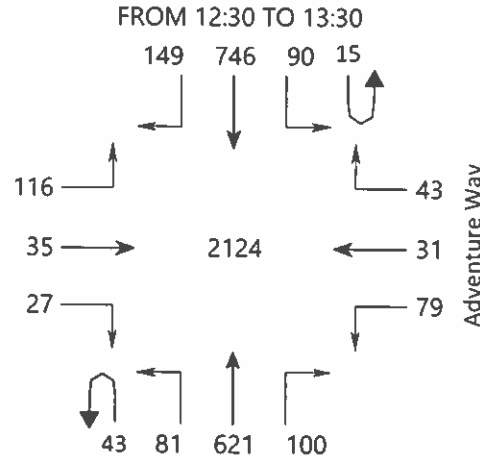
## Turning Movement Counts - Average January Saturday

Intersection DW Hwy & Adventure Way  
Date 1/1/2022-1/29/2022

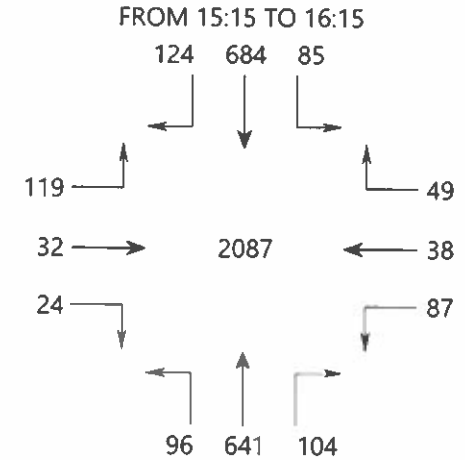
### AM PEAK HOUR VOLUME (0:00-10:45)



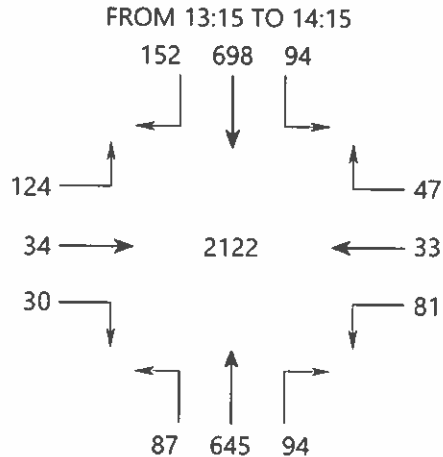
### MID-DAY PEAK HOUR VOLUME (11:00-14:00)



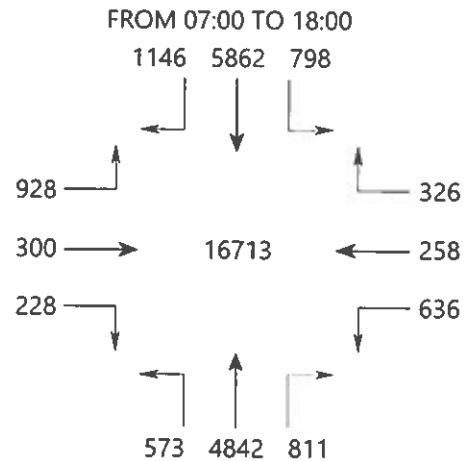
### PM PEAK HOUR VOLUME (14:15-23:45)



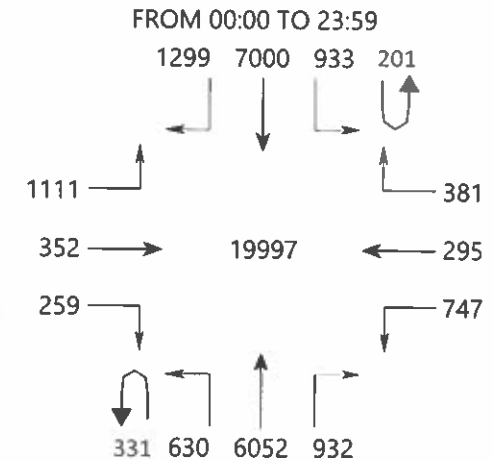
### OVERALL PEAK HOUR VOLUME



### DAYTIME TOTAL VOLUME



### SELECTED TIME VOLUME

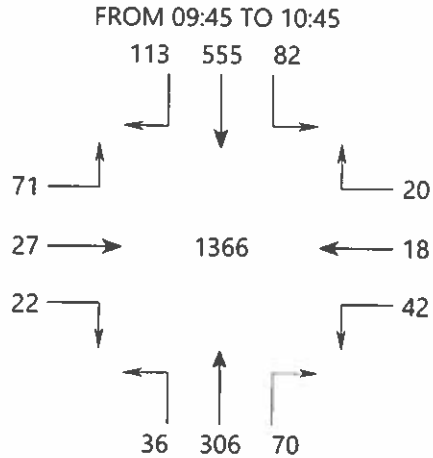


# GRIDSMART

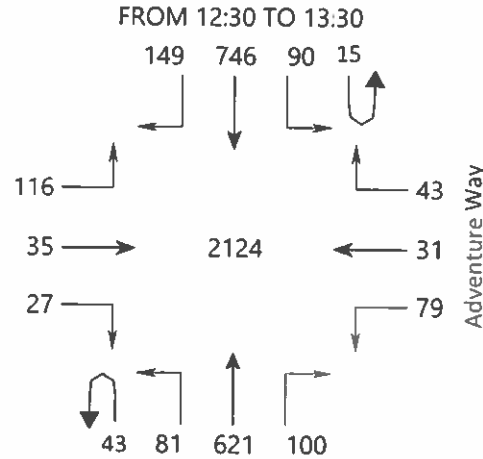
## Turning Movement Counts - Average January Saturday

Intersection DW Hwy & Adventure Way  
Date 1/1/2022-1/29/2022

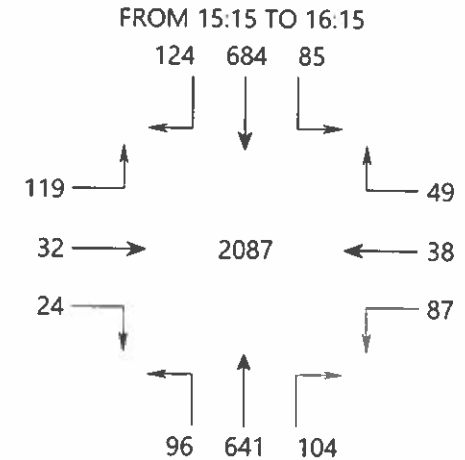
### AM PEAK HOUR VOLUME (0:00-10:45)



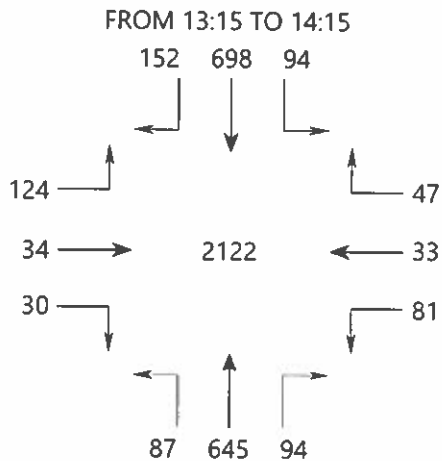
### MID-DAY PEAK HOUR VOLUME (11:00-14:00)



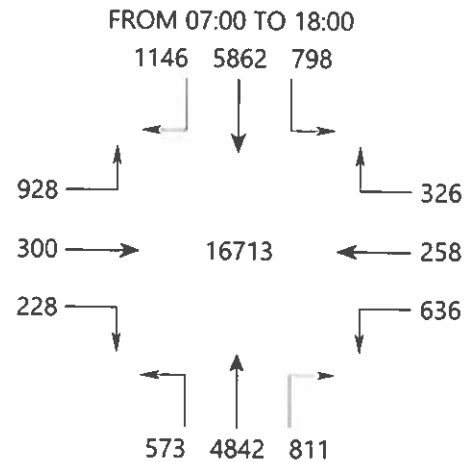
### PM PEAK HOUR VOLUME (14:15-23:45)



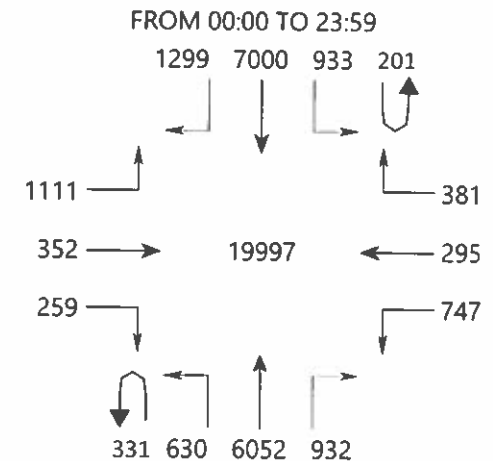
### OVERALL PEAK HOUR VOLUME



### DAYTIME TOTAL VOLUME



### SELECTED TIME VOLUME



**CITY OF NASHUA**

**BOARD OF ALDERMEN**

**Petition for Authorization for Issuance of Building Permits for  
a Building on a Private Road**

This Petition is filed by Elizabeth Lu of 17 Roby Street, Nashua, New Hampshire 03060 (the "Petitioner") pursuant to RSA 674:41, I (d) for authorization by the Board of Aldermen for the issuance of building permits for a single-family dwelling and related improvements to be constructed on property at 19 Roby Street, Nashua, New Hampshire, owned by the Petitioner. Upon such authorization, the Petitioner would follow the standard processes established by the City of Nashua and its Building Department for the issuance of building permits for a single-family dwelling and related improvements at 19 Roby Street.

In support of this Petition, the Petitioner states as follows:

1. She is the owner of the property at 19 Roby Street, Nashua, New Hampshire, by virtue of deeds recorded with the Hillsborough County Registry of Deeds at Book 5559, Page 1694 and Book 5762, Page 1224.
2. 19 Roby Street is known as Map 126, Lot 103 on the City of Nashua Tax Maps.
3. RSA 674:41, I provides that no building permit shall be issued for the erection of a building unless the street giving access to the lot upon which the building is proposed to be placed meets certain criteria.
4. RSA 674:41, I (d) provides that in the case of a private road (such as this section of Roby Street), the building permit may be issued if the local governing body (in this case the Board of Aldermen), after review and comment by the Planning Board, has voted to authorize the issuance of building permits for the erection of buildings on said private road or portion thereof.
5. 19 Roby Street is located on the so-called paper street portion of Roby Street.
6. This portion of Roby Street was first dedicated to public servitude by the recording of a plan in 1916 (Hillsborough County Registry of Deeds Plan No. 517). Because this portion of Roby Street was never built within 20 years after recording of Plan No. 517, the dedication to public servitude expired and this portion of Roby Street merely became a common, private access way by easement, in essence a private road, all pursuant to the provisions of New Hampshire law then in effect.
7. In addition, ownership to the centerline of the paper street portion of Roby Street runs to the abutting property owners, including the Petitioner to the centerline along the frontage of 19 Roby Street.
8. The Petitioner has obtained the following approvals in connection with the construction of a single-family dwelling and improvements on 19 Roby Street:

- (a) A special exception to work within the 75 foot prime wetland buffer of Salmon Brook, granted by the Zoning Board of Adjustment (the "ZBA") on October 30, 2020, after receiving a favorable recommendation from the Conservation Commission on January 7, 2020;
- (b) A variance from the minimum lot frontage requirements under the Land Use Code where 60 feet is required and zero feet is provided granted by the ZBA on October 30, 2020;
- (c) A variance from the minimum lot width requirements of the Land Use Code where 75 feet is required and zero feet is provided granted by the ZBA on October 30, 2020;
- (d) A special exception to work within the 75 foot prime wetland buffer of Salmon Brook to construct a 35-40 foot long driveway retaining wall, granted by the ZBA on October 12, 2021.

9. The Petitioner filed with the Planning Board an application for issuance of a Special Use Permit to allow construction of the single-family dwelling at 19 Roby Street. A public hearing on the application will be held by the Planning Board on February 17, 2022.

10. Attached to this application is the plan set prepared by the Petitioner's project engineers, Hayner/Swanson, Inc. consisting of three (3) sheets, including the Lot Layout Grading Plan (the "Plan Set").

11. As shown on the Plan Set, 19 Roby Street is to be serviced by municipal sewer, water by Pennichuck Water Works, Inc., underground gas and overhead electric and telecommunications utilities. See Note 8 on the Plan Set.

12. Access to 19 Roby Street comes off the publicly maintained portion of Roby Street into the paper street portion of Roby Street (relative to which the Petitioner has ownership to the centerline and access rights over its entirety) and onto 19 Roby Street, improved by the proposed retaining wall.

13. As such, 19 Roby Street will be fully accessible for utility services and access, including access for emergency vehicles.

14. In accordance with RSA 674:41, I (d) (2) and (3) respectively, the Petitioner agrees (i) that the City of Nashua neither assumes responsibility for maintenance of the paper street portion of Roby Street (the private road) nor liability for any damages resulting from the use thereof and (ii) to produce evidence that notice of the limits of municipal responsibility and liability have been recorded with the Hillsborough County Registry of Deeds, in the form of a notice acceptable to the Community Development Division of the City of Nashua.

WHEREFORE, the Petitioner respectfully requests that the Board of Aldermen grant this Petition to authorize the issuance of a building permit(s) for a single-family dwelling and for utility services, a retaining wall and related improvements at 19 Roby Street in accordance with RSA 674:41, I (d).

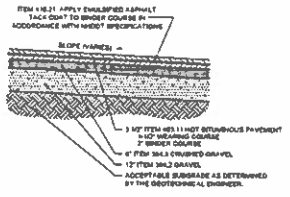
Dated: January 31, 2022

Elizabeth Lu,  
By her Attorneys,  
Winer and Bennett, LLP

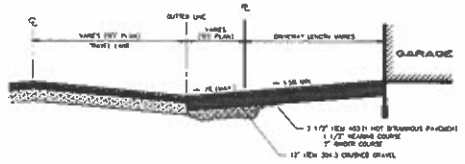
By: 

J. Bradford Westgate, Esquire  
111 Concord Street  
Nashua, New Hampshire 03064  
Tel: 603-882-5157  
Email: [jbwestgate@winerbennett.com](mailto:jbwestgate@winerbennett.com)

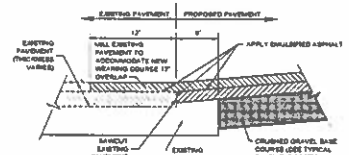




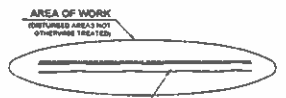
TYPICAL PAVEMENT SECTION  
NOT TO SCALE



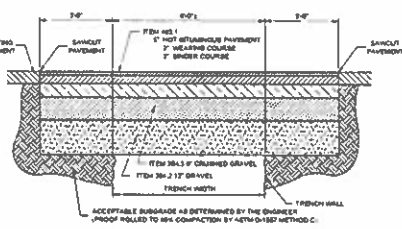
TYPICAL DRIVEWAY SECTION  
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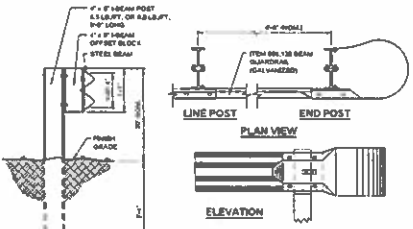
SAWCUT PAVEMENT DETAIL  
NOT TO SCALE



LOAM AND SEED DETAIL  
NOT TO SCALE



TRENCH PATCH DETAIL  
NOT TO SCALE



STEEL POST GUARDRAIL DETAIL  
NOT TO SCALE

UTILITY CONTACTS

- WATER:  
FRANKLIN WATER WORKS  
25 MAIN STREET  
NASHUA, NH 03003  
ATT: JOHN BISHOP/AT 75  
(603) 973-7200
- GAS:  
LIBERTY UTILITIES  
11 NORTHEASTERN BLVD  
SALEM, NH 03078  
ATT: ANDREW WOODMAN  
(603) 887-4387
- TELEPHONE:  
CONCOULDS COMMUNICATIONS  
100 DAY STREET  
MANCHESTER, NH 03103  
ATT: ROBERTO DALE  
(603) 283-0888
- POWER:  
DIVERSOURCE  
300 MARKET STREET  
NASHUA, NH 03003  
ATT: MARK DACHOW  
(603) 883-3881

CITY OF NASHUA

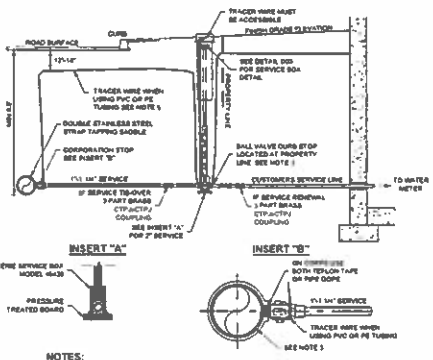
- PLANNING DEPARTMENT  
COMMUNITY DEVELOPMENT DIVISION  
728 MAIN STREET  
NASHUA, NH 03003  
ATT: LINDA WIGGALL  
(603) 588-3110
- ENGINEERING DEPARTMENT  
NASHUA DEPT. OF  
PUBLIC WORKS (ENGINEERING)  
8 RIVE BROOK STREET  
NASHUA, NH 03002  
ATT: JOE MENDOLA  
(603) 588-3124
- FIRE DEPARTMENT  
NASHUA FIRE BUREAU  
177 LAKE STREET  
NASHUA, NH 03002  
ATT: ADAM FROST/AT 1  
(603) 588-3180

CONSTRUCTION NOTES

- ALL WORK SHALL CONFORM TO THE APPLICABLE REGULATIONS AND STANDARDS OF THE CITY OF NASHUA AND SHALL BE BUILT IN A WORKMANLIKE MANNER IN ACCORDANCE WITH THE CITY OF NASHUA AND THE STATE OF NEW HAMPSHIRE. THE STANDARD SPECIFICATIONS FOR ROAD CONSTRUCTION, BOARD OF PUBLIC WORKS, NASHUA, NEW HAMPSHIRE, AND THE STANDARD SPECIFICATIONS FOR HIGHWAYS AND DRIVES, BOARD OF PUBLIC WORKS, NASHUA, NEW HAMPSHIRE, AND THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, STATE OF NEW HAMPSHIRE, DEPARTMENT OF TRANSPORTATION, LATEST EDITION ARE HEREBY INCORPORATED BY REFERENCE.
- ROAD AND DRIVEWAY CONSTRUCTION SHALL CONFORM TO THE TYPICAL SECTIONS AND DETAILS SHOWN ON THE PLANS AND SHALL MEET THE REQUIREMENTS AND SPECIFICATIONS FOR ROAD CONSTRUCTION, BOARD OF PUBLIC WORKS, NASHUA, NEW HAMPSHIRE, AND THE STANDARD SPECIFICATIONS FOR HIGHWAYS AND DRIVES, BOARD OF PUBLIC WORKS, NASHUA, NEW HAMPSHIRE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING AND DETERMINING THE LOCATION, SIZE AND ELEVATION OF ALL EXISTING UTILITIES, SHOWN OR NOT SHOWN ON THESE PLANS PRIOR TO THE START OF ANY CONSTRUCTION. THE LOCATOR SHALL BE NOTED IN WRITING OF ANY UTILITIES FOUND INTERFERING WITH THE PROPOSED CONSTRUCTION, AND APPROPRIATE REMEDIAL ACTION TAKEN BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE AGENCY AT 603-588-3122 AT LEAST 72 HOURS BEFORE DIGGING.
- PRIOR TO ANY WORK BEING STARTED, THE APPLICANT AND THEIR CONTRACTORS SHALL HOLD A PRE-CONSTRUCTION CONFERENCE WITH PLANNING STAFF TO REVIEW SCHEDULE, EROSION AND TRAFFIC CONTROL, AND TREE PROTECTION ETC.
- BLASTING, IF NEEDED, SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF NASHUA FIRE DEPARTMENT REGULATIONS.
- ALL STAKES SHALL BE SPOILED OF OFF-SITE AT A LEGAL NUMBER.
- ALL DISTURBED AREAS SHALL BE LOANED AND SEEDED IMMEDIATELY UPON BEING CONSTRUCTED.
- SEMI-ANNUAL SOIL MONITORING CONDITIONS THAT REQUIRE BUREAU OF CONSTRUCTION MITIGATION MEASURES. IT IS RECOMMENDED THAT SUBSURFACE CONDITIONS BE EVALUATED BY A GEO-TECHNICAL ENGINEER AND MITIGATION MEASURES BE IMPLEMENTED BY THE BUILDER ON A HOUSE BY HOUSE BASIS.
- UTILITIES WILL BE SERVICED BY THE CITY AND COMMUNICATION UTILITIES. SERVICE CONNECTION LOCATIONS TO BE COORDINATED WITH UTILITIES COMPANIES PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL OBTAIN A DEMOLITION PERMIT FROM THE CITY OF NASHUA PRIOR TO RAZING THE EXISTING BUILDING.
- PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A STREET CLOSURE PERMIT FROM THE CITY OF NASHUA DEPARTMENT OF PUBLIC WORKS.

EROSION CONTROL NOTES:

- ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORMWATER POLLUTION CONTROL SHALL OBTAIN A COPY OF THE STORMWATER POLLUTION CONTROL PLAN (SPCC) AND NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) CONSTRUCTION GENERAL PERMIT (CGP) AND BECOME FAMILIAR WITH THEIR CONTENTS.
- THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SPCC, ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY BEST MANAGEMENT PRACTICES AS DICTATED BY THE APPLICABLE PERMIT, WHOEVER IS MORE STRINGENT.
- BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUALS OF PRACTICE, AS APPLICABLE. CONTRACTORS SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY OR OWNER.
- EARTH MATERIAL STOCKPILE AREAS AS SHOWN ARE APPROXIMATE AND SUBJECT TO CHANGE. STOCKPILE AREAS SHALL BE SURROUNDED BY SILT FENCE AND RE-SEED/PLANT IF THEY ARE LEFT UNDISTURBED FOR MORE THAN 14 DAYS.
- ALL MEASURES STATED ON THE EROSION CONTROL PLAN AND IN THE STORMWATER POLLUTION CONTROL PLAN SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETE PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON IN ACCORDANCE WITH THE CONTRACT DOCUMENTS OR THE APPLICABLE PERMIT, WHOEVER IS MORE STRINGENT.
- SILT SOCKS SHALL BE REPAIRED TO THEIR ORIGINAL CONDITION IF DAMAGED.
- SILT PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF IMPROPER USE OR DETEIORATION.
- ALL SEEDS AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED AND RESEEDED AS NEEDED.
- CONSTRUCTION ERTS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT FLOODING OR FLOW OF SOIL ONTO PUBLIC RIGHT OF WAY. THIS MAY REQUIRE PERIODS TOP DRESSING OF THE CONSTRUCTION ERTS AS CONDITIONS DEVELOP.



- NOTES:
- ALL MATERIALS AND INSTALLATION PROCEDURES SHALL CONFORM TO ALL TECHNICAL SPECIFICATIONS.
  - ALL PIPE SHOULD HAVE A MINIMUM DEPTH OF 6\"/>
  - IF WATER MAIN IS PVC OR TRANSMITE, A DOUBLE STRANDED STEEL STRAP TAPPING SADDLE MUST BE USED TO CONNECT THE CONNECTION TO THE WATER MAIN, CONFORM TO ALL TECHNICAL SPECIFICATIONS.
  - IF TAPPING A FIBRE SERVICE, THIS SET P IN THE DETAIL DIA.
  - USE 1/2\"/>

TYPICAL 1" - 1 1/4" SERVICE VALVE BOX INSTALLATION DETAIL  
NOT TO SCALE

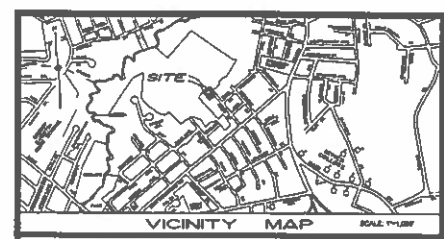
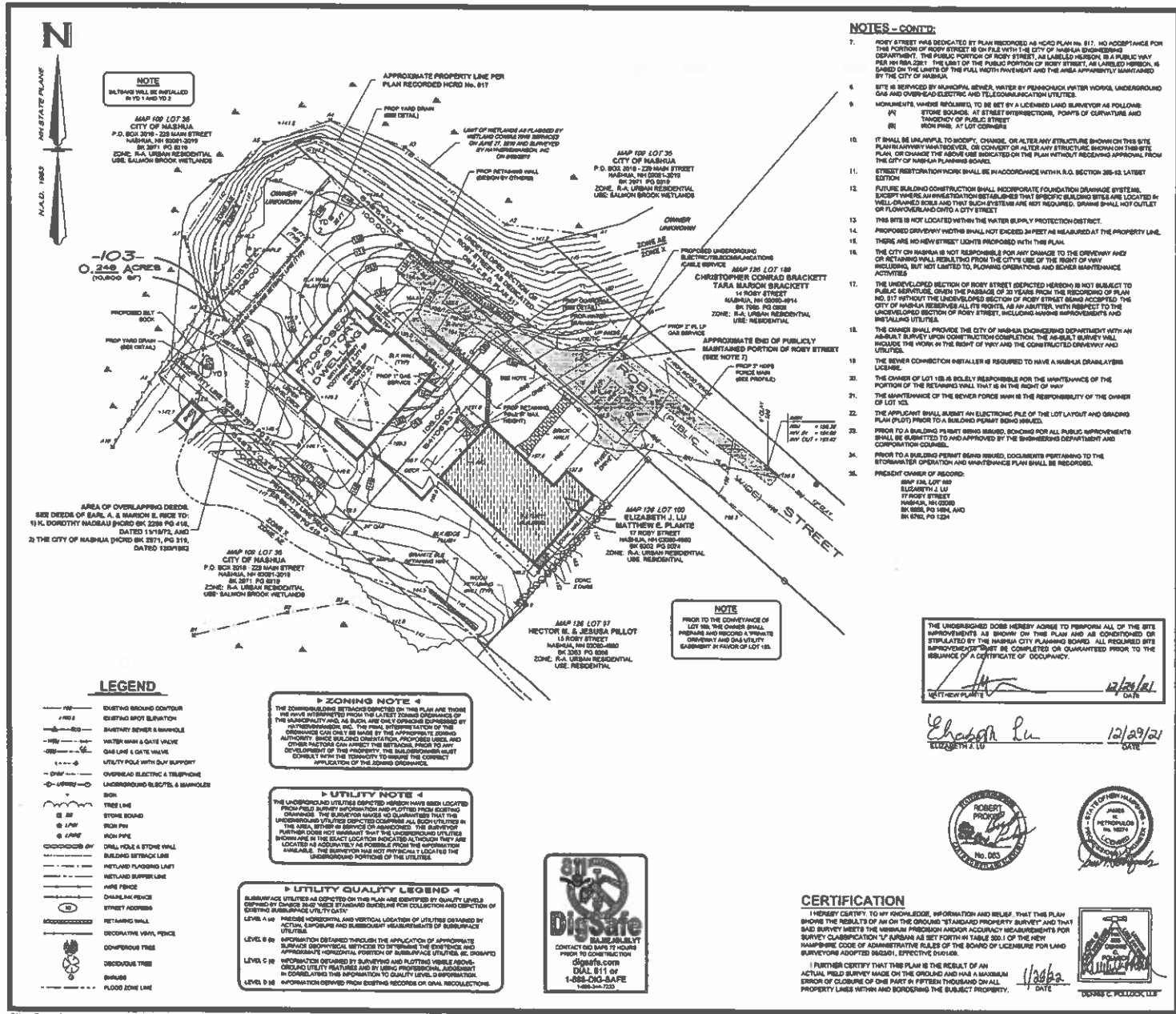
1	123701	ADDRESS TECHNICAL REVIEW COMMITTEE COMMENTS	EA
2	123701	ADDRESS ENGINEER FIRM DEPARTMENT REVIEW COMMENTS	EA
3	04/18/21	REVISION NUMBER	REV

DETAIL SHEET - GENERAL SITE  
(MAP 126, LOT 103)  
**19 ROBY STREET**  
NASHUA, NEW HAMPSHIRE  
PREPARED FOR:  
**MATTHEW PLANTE**  
17 ROBY STREET NASHUA, NEW HAMPSHIRE 03060  
RECORD OWNER:  
**ELIZABETH J. LU**  
17 ROBY STREET NASHUA, NEW HAMPSHIRE 03060

SCALE AS SHOWN  
28 APRIL 2021

**HSI** *Haynes/Sweeney, Inc.*  
Civil Engineering/Construction  
3 Congress Street  
Nashua, NH 03003  
603-883-3000  
www.hsi-engineers.com





- PLAN REFERENCES:**
- PLAN ENTITLED NASHUA VILLAGE - BURNHAM & HOUSE LOTS FOR ENTERPRISE LAND CO. DATED JUNE 1961 BY E. H. BURDICK. RECORDED HORD PLAN NO. 817
  - CONVEYANCE PLAN, ROBY STREET, NASHUA, NEW HAMPSHIRE, PREPARED FOR ROBY STREET ASSOCIATES, CITY OF NASHUA AND DATED 1 AUGUST 1999, PREPARED BY ALLAN H. BURDICK, INC. RECORDED HORD PLAN NO. 1894
  - SUBDIVISION PLAN, ROBY STREET, NASHUA, NEW HAMPSHIRE, PREPARED FOR WYHOLD WELCH AND DATED NOV. 1972, PREPARED BY A. E. WATKINS CIVIL ENGINEER. RECORDED HORD PLAN NO. 637

**NOTES:**

- LOT AREA: 0.248 ACRES (10,800 SQ FT)
- PRESENT ZONING: R-1 A URBAN RESIDENCE

DESCRIPTIVE DIMENSIONS	7,800 SQ FT
MIN. LOT AREA	7,800 SQ FT
MIN. LOT WIDTH	75 FT
MIN. FRONTAGE	60 FT
MIN. LOT DEPTH	60 FT
MIN. FRONT SETBACK	20 FT
MIN. SIDE SETBACK	10 FT
MIN. REAR SETBACK	25 FT
MAX. BUILDING HEIGHT	35 FT
MAX. STORIES	2 1/2
MIN. OPEN SPACE	15%
MAX. F.A.R.	1.0

- ON OCTOBER 13, 2020, THE CITY OF NASHUA ZONING BOARD OF ADJUSTMENT GRANTED THE FOLLOWING TO CONSTRUCT A SINGLE-FAMILY HOME ON A VACANT LOT WITHOUT FINANCIAL PROVISIONS:
  - SPECIAL EXCEPTION TO WORK WITHIN THE 75-FOOT FRONT WETLAND BUFFER OF SALMON BROOK
  - VARIANCE FOR MINIMUM LOT FRONTAGE WHERE EXISTING IS REQUIRED AND DEFECT IS PROPOSED
  - VARIANCE FOR MINIMUM LOT WIDTH WHERE EXISTING IS REQUIRED AND DEFECT IS PROPOSED
- ON OCTOBER 13, 2021, THE CITY OF NASHUA ZONING BOARD OF ADJUSTMENT GRANTED A SPECIAL EXCEPTION TO WORK IN THE 75-FOOT FRONT WETLAND BUFFER OF SALMON BROOK TO CONSTRUCT A 3,000-SQ-FOOT LOW-RISE OFFICE BUILDING.
- LOT 98 REFERS TO THE CITY OF NASHUA ADDRESSING MAP C8 AND 98
- PURPOSE OF PLAN: TO GRANT A SPECIAL USE PERMIT TO ALLOW THE CONSTRUCTION OF A SINGLE-FAMILY HOME ON LOT 103.
- THIS PARCEL INCLUDES AREAS DESIGNATED AS ZONE K AND ZONE A AS DETERMINED FROM THE FLOOD HAZARD MAPS MAP 1700, HILLSBOROUGH COUNTY, CITY OF NASHUA, NEW HAMPSHIRE, COMASSY NO. 2000, PREPARED BY THE REGIONAL EMERGENCY MANAGEMENT AGENCY, MAP NUMBER: 200100001, EFFECTIVE DATE: APRIL 14, 2011.
- SURVEY CONTROL INFORMATION: HORIZONTAL DATUM: NAD83; VERTICAL DATUM: NAVD83; PROJECTION: NH STATE PLANE; UNIT: US SURVEY FEET

**LOT LAYOUT AND GRADING PLAN**  
(MAP 126, LOT 103)

# 19 ROBY STREET

NASHUA, NEW HAMPSHIRE

PREPARED FOR:

## MATTHEW PLANTE

17 ROBY STREET NASHUA, NEW HAMPSHIRE 03060

RECORD OWNER:

## ELIZABETH J. LU

17 ROBY STREET NASHUA, NEW HAMPSHIRE 03060

SCALE: 1"=30 Feet  
1"=96.00 Meters

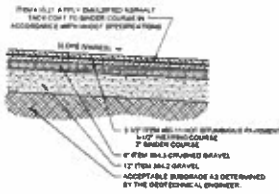
28 APRIL 2021

**HSI** Hayden/Strawson, Inc.  
Civil Engineers/Land Surveyors  
3 Congress Street  
Nashua, NH 03063  
603-882-9000  
www.hsi-nh.com

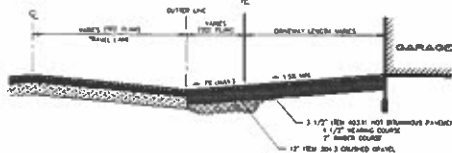
325 Adams Street  
Nashua, N.H. 03063  
603-882-9000

REG. 0000-1341  
EXPIRES 06/30/2025

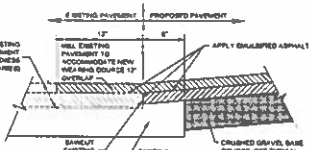
0698 1 OF 3



**TYPICAL PAVEMENT SECTION**  
NOT TO SCALE



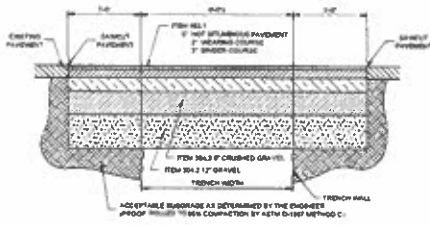
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NOT TO SCALE



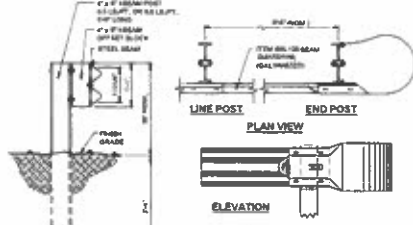
**SAWCUT PAVEMENT DETAIL**  
NOT TO SCALE



**LOAM AND SEED DETAIL**  
NOT TO SCALE



**TRENCH PATCH DETAIL**  
NOT TO SCALE



**STEEL POST GUARDRAIL DETAIL**  
NOT TO SCALE

**UTILITY CONTACTS**

- WATER:**  
PENACLUCK WATER WORKS  
275 MAIN STREET  
NASHUA, NH 03060  
ATT: JOHN BOBERT PA  
(603) 833-2200
- GAS:**  
LIBERTY UTILITIES  
11 NORTHGATE RD  
SALMON FALLS, NH 03089  
ATT: ANDREW MORGAN  
(603) 277-8387
- TELEPHONE:**  
COMMODORE COMMUNICATIONS  
100 DAY STREET  
MANCHESTER, NH 03103  
ATT: ROBERTO DIAZ  
(603) 385-5889
- POWER:**  
EVERSOURCE  
20 CARRIAGE STREET  
NASHUA, NH 03060  
ATT: MARC CACHON  
(603) 883-5584
- PLANNING DEPARTMENT**  
COMMUNITY DEVELOPMENT DIVISION  
275 MAIN STREET  
NASHUA, NH 03060  
ATT: LINDA MCNEIL  
(603) 583-3190
- ENGINEERING DEPARTMENT**  
NASHUA DEPT. OF  
PUBLIC WORKS - ENGINEERING  
89 WEDGE STREET  
NASHUA, NH 03062  
ATT: JOE MACHOLA  
(603) 583-3124
- FIRE DEPARTMENT**  
NASHUA FIRE RESCUE  
177 LEAS STREET  
NASHUA, NH 03062  
ATT: ADAM POLJUT, FIRE MARSHAL  
(603) 583-3400

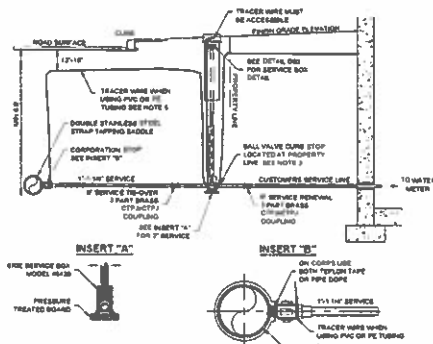
**CITY OF NASHUA**

**CONSTRUCTION NOTES**

- ALL WORK SHALL CONFORM TO THE APPLICABLE REGULATIONS AND STANDARDS OF THE CITY OF NASHUA AND SHALL BE BUILT IN A WORKMANLIKE MANNER IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. THE STANDARD SPECIFICATIONS FOR ROAD CONSTRUCTION OF PUBLIC WORKS, NASHUA, NEW HAMPSHIRE, AND THE STANDARD SPECIFICATIONS FOR SEWER AND DRAINAGE CONSTRUCTION, STATE OF NEW HAMPSHIRE, DEPARTMENT OF TRANSPORTATION, LATEST EDITION ARE HEREBY INCORPORATED BY REFERENCE.
- ROAD AND BRIDGE CONSTRUCTION SHALL CONFORM TO THE TYPICAL SECTIONS AND DETAILS SHOWN ON THE PLANS, AND SHALL MEET THE REQUIREMENTS AND SPECIFICATIONS FOR ROAD CONSTRUCTION, BOARD OF PUBLIC WORKS, NASHUA, NEW HAMPSHIRE, AND THE STANDARD SPECIFICATIONS FOR SEWERS AND DRAINAGE, BOARD OF PUBLIC WORKS, NASHUA, NEW HAMPSHIRE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING AND DETERMINING THE LOCATION, SIZE AND ELEVATION OF ALL EXISTING UTILITIES, SHOWN OR NOT SHOWN ON THE PLANS, PRIOR TO THE START OF ANY CONSTRUCTION. THE CONTRACTOR SHALL BE NOTIFIED IN WRITING OF ANY UTILITIES FOUND INTERFERING WITH THE PROPOSED CONSTRUCTION, AND APPROPRIATE REMEDIAL ACTION TAKEN BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE AGENCY AT 48 HOURS PRIOR TO THE START OF ANY WORK BEING STARTED.
- BEFORE ANY WORK BEGINS, THE APPLICANT AND THEIR CONTRACTORS SHALL HOLD A PRE-CONSTRUCTION CONFERENCE WITH PLANNING STAFF TO REVIEW SCHEDULING, EROSION AND TRAFFIC CONTROL, AND TREE PROTECTION, ETC.
- BLASTING IF NEEDED SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF NASHUA FIRE DEPARTMENT REGULATIONS.
- ALL UTILITIES SHALL BE DEPOSED OR OFF-SET IN A LEGAL MANNER.
- ALL DISTURBED AREAS SHALL BE LOAMED AND SEEDED IMMEDIATELY UPON BEING CONSTRUCTED.
- SEWERAGE MUST ACCORDANT TO CONDITIONS THAT REQUIRE SUBSURFACE DRAINAGE/INTERMEDIATE MEASURES. IT IS RECOMMENDED THAT SUBSURFACE CONDITIONS BE EVALUATED BY A GEOTECHNICAL ENGINEER, AND MITIGATION MEASURES BE IMPLEMENTED BY THE BUILDER ON A HOUSE-BY-HOUSE BASIS.
- LOTS WILL BE SERVED BY ELECTRIC AND COMMUNICATION UTILITIES. SERVICE CONNECTION LOCATIONS TO BE COORDINATED WITH UTILITY COMPANIES PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL OBTAIN A DEMOLITION PERMIT FROM THE CITY OF NASHUA PRIOR TO THE START OF DEMOLITION.
- BEFORE THE CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A STREET OPENING PERMIT FROM THE CITY OF NASHUA DEPARTMENT OF PUBLIC WORKS.

**EROSION CONTROL NOTES:**

- ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORMWATER POLLUTION CONTROL SHALL OBTAIN A COPY OF THE STORMWATER POLLUTION CONTROL PLAN FROM AND NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) CONSTRUCTION GENERAL PERMIT COPY AND BECOME FAMILIAR WITH THEIR CONTENTS.
- THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE NPDES ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE SUPPLEMENTED AS DETAIL BY SITE CONDITIONS AT NO ADDITIONAL COST OF OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
- BEST MANAGEMENT PRACTICES (BMPs) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MUNICIPAL ORDINANCES, AS APPLICABLE. CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY OR OWNER.
- EARTH MATERIAL STOCKPILE AREAS SHALL BE STABILIZED AND SUBJECT TO CHANGE. STOCKPILE AREAS SHALL BE SURROUNDED BY 18\"/>
- ALL MEASURES STATED ON THE EROSION CONTROL PLAN AND IN THE STORMWATER POLLUTION CONTROL PLAN SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETE PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON IN ACCORDANCE WITH THE CONTRACT DOCUMENTS OR THE APPLICABLE PERMIT, WHEREVER IS MORE STRINGENT.
- SOIL EROSION SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED.
- SOIL PROTECTION FENCES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UPDRAINING OR DETERIORATION.
- ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO MEET THAT A GOOD STAND IS MAINTAINED AND AREAS SHOULD BE FERTILIZED, WATERED AND RESEED AS NEEDED.
- CONSTRUCTION SITE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OF FLOWS OF SOIL OR PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION EXITS AS CONDITIONS DEMAND.



- NOTES:**
- ALL MATERIALS AND INSTALLATION PROCEDURES SHALL CONFORM TO P.W. TECHNICAL SPECIFICATIONS.
  - ALL PIPE SHOULD HAVE A MINIMUM DEPTH OF 9\"/>
  - IF WATER MAIN IS PVC OR TRANSMAT, A DOUBLE STAINLESS STEEL STRAP TAPPING SADDLE MUST BE USED TO CONNECT THE CONNECTION TO THE WATER MAIN, CONFORM TO P.W. TECHNICAL SPECIFICATIONS.
  - IF TAPPING A FIRE SERVICE, THEN SEE P.W. DETAIL DIA.
  - USE REINFORCE SOLID-CORE COATED BLUE TRACER WIRE PER P.W. TECHNICAL SPECIFICATIONS.

**TYPICAL 1\"/>**

NO.	REVISION	DATE	BY
1	ISSUE	04/26/2021	ELJ
2	ADDRESS TECHNICAL REVIEW COMMITTEE COMMENTS	04/26/2021	ELJ
3	ADDRESS GONDERING DEPARTMENT REVIEW COMMENTS	04/26/2021	ELJ
4	ISSUE FOR CONSTRUCTION	04/26/2021	ELJ

**DETAIL SHEET - GENERAL SITE**  
(MAP 126, LOT 103)  
**19 ROBY STREET**  
NASHUA, NEW HAMPSHIRE  
PREPARED FOR:  
**MATTHEW PLANTE**  
17 ROBY STREET NASHUA, NEW HAMPSHIRE 03060  
RECORD OWNER:  
**ELIZABETH J. LU**  
17 ROBY STREET NASHUA, NEW HAMPSHIRE 03060

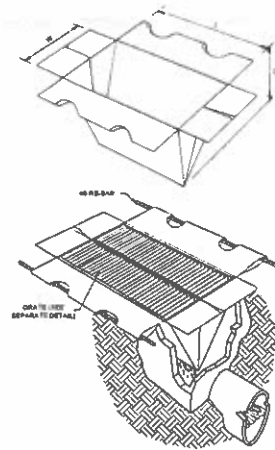
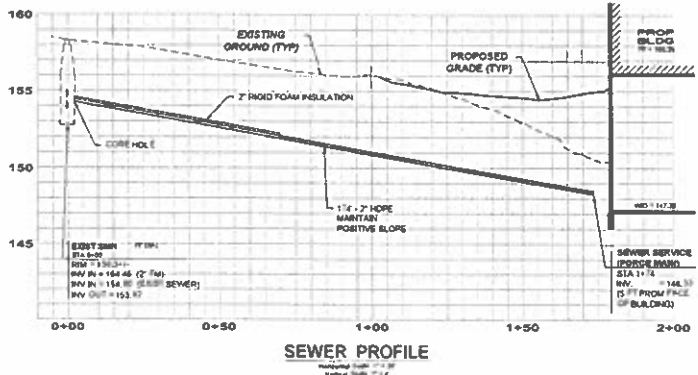
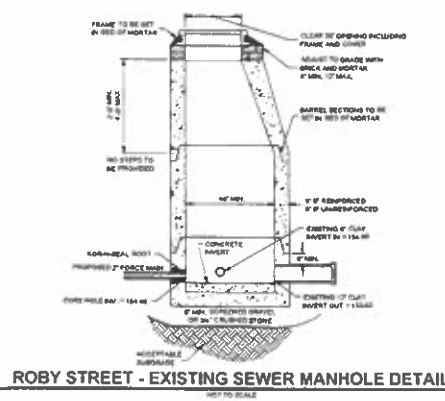
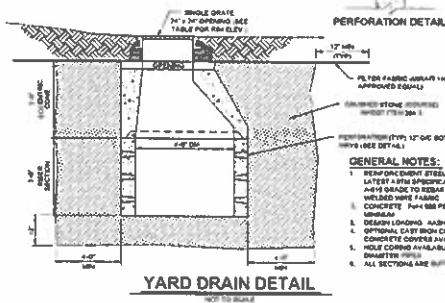
SCALE AS SHOWN

28 APRIL 2021



**HESI** *Rayner/Swanson, Inc.*  
Civil Engineering/Lead Surveyors  
3 Chapin Street  
Nashua, NH 03060  
603-883-2007  
www.hesiraynerswanson.com

LOCATION	SEA ELEV.
10	142.75
10 3	144.5

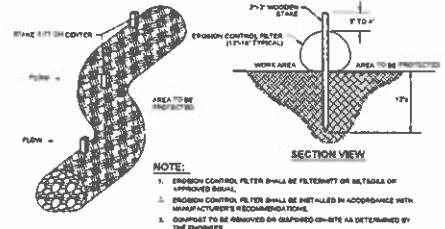


**SILTSACK NOTES:**

1. THE SACKS SHALL BE MANUFACTURED FROM HIGH POLYPROPYLENE AND SHALL BE A DOUBLE NEEDLE MACHINE WOUND A HIGH STRENGTH POLYESTER TWILL.
2. THE SACKS SHALL HAVE A CERTIFIED AVERAGE MADE WITH STRENGTH PER AFTM D-3760 OF AT LEAST 43 POUNDS PER SQUARE YARD.
3. THE SACKS SHALL BE MANUFACTURED TO FIT THE OPENING OF THE CATCH BASIN OR DROP INLET. THE SACKS SHALL HAVE THE FOLLOWING FEATURES: TWO DUMP STRAPS ATTACHED AT THE BOTTOM TO FACILITATE THE REMOVAL OF THE SACK. THE SACKS SHALL HAVE LIFTING LOOPS AS AN INTERNAL PART OF THE STRAP TO BE USED TO LIFT THE SACK FROM THE BASIN. THE SACKS SHALL HAVE A RESTRAINT CORD APPROXIMATELY 1/2" DIAMETER UP THE BACK TO KEEP THE SACK AWAY FROM THE CATCH BASIN WALLS. THIS RESTRAINT CORD IS ALSO A VISIBLE MARK OF INDICATION WHEN THE SACK SHOULD BE REMOVED, CLEANED AND PLACED BACK INTO THE BASIN.
4. THE GEOTEXTILE FABRIC SHALL BE WOVEN POLYPROPYLENE WITH THE FOLLOWING PROPERTIES:

PRIORITY	TEST METHOD	TEST RESULT
1	GRAB TENSILE	ASTM D-4832 285 LBS
2	GRAB ELONGATION	ASTM D-4832 20%
3	PUNCTURE	ASTM D-3760 120 LBS
4	HULLIN BURST	ASTM D-3760 400 PSF
5	TRAUCED TEAR	ASTM D-3760 120 LBS
6	UV RESISTANCE	ASTM D-3760 60%
7	APPEARANT OPENING	ASTM D-4751 40 LB BRVE
8	FLOW RATE	ASTM D-4841 45 GAL/MIN/FT2
9	PERMEABILITY	ASTM D-4841 1.5 SEC

PRIORITY	TEST METHOD	TEST RESULT
1	GRAB TENSILE	ASTM D-4832 265 LBS
2	GRAB ELONGATION	ASTM D-4832 20%
3	PUNCTURE	ASTM D-3760 110 LBS
4	HULLIN BURST	ASTM D-3760 120 PSF
5	TRAUCED TEAR	ASTM D-3760 45 LBS
6	UV RESISTANCE	ASTM D-3760 60%
7	APPEARANT OPENING	ASTM D-4751 25 LB BRVE
8	FLOW RATE	ASTM D-4841 30 GAL/MIN/FT2
9	PERMEABILITY	ASTM D-4841 1.5 SEC



**MAINTENANCE**

1. SILT SOCK BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST ONCE A WEEK THROUGHOUT THE PROJECT. ANY REPAIRS THAT ARE REQUIRED SHALL BE MADE IMMEDIATELY.
2. IF THE SILT SOCK SHOULD OCCUPY OR BECOME IMPRACTICAL DURING THE EXPECTED LIFE OF THE PROJECT, THE BARRIERS SHALL BE REPLACED IMMEDIATELY.
3. SEDIMENT DEPOSITS SHOULD BE INSPECTED AFTER EVERY SIGNIFICANT RAIN EVENT. THE DEPOSIT SHOULD BE REMOVED WHEN THEY REACH IMMEDIATELY TO THE POINT OF THE BARRIER.
4. SEDIMENT DEPOSITS THAT ARE REMOVED OR LEFT IN PLACE AFTER THE BARRIERS HAVE BEEN REMOVED SHALL BE GRADED TO CONFORM WITH THE EXISTING TOPOGRAPHY AND VEGETATED.

1	DATE	11/11/2020	REVISION	1	ADDITIONAL TECHNICAL REVIEW COMMITTEE COMMENTS	EA
2	DATE	11/11/2020	REVISION	2	ADDRESS ENGINEERING DEPARTMENT REVIEW COMMENTS	EA
3	DATE	11/11/2020	REVISION	3		EA

DETAIL SHEET - GENERAL SITE  
(MAP 126, LOT 103)

# 19 ROBY STREET

NASHUA, NEW HAMPSHIRE

PREPARED FOR:

## MATTHEW PLANTE

17 ROBY STREET NASHUA, NEW HAMPSHIRE 03060

RECORD OWNER:

## ELIZABETH J. LU

17 ROBY STREET NASHUA, NEW HAMPSHIRE 03060

SCALE AS SHOWN

28 APRIL 2021

**HESI** *Raynor/Swanson, Inc.*

Civil Engineers/Land Surveyors

1000 North Main Street  
Nashua, NH 03073  
(603) 882-8000  
www.hesiraynor.com

FILED 0001 2021  
DRAWING NO. 2100010001-0001-0001

5666 3 OF 3



## ORDINANCE

### PROHIBITING A RIGHT TURN ON RED FROM ADVENTURE WAY ONTO DANIEL WEBSTER HIGHWAY

### *CITY OF NASHUA*

*In the Year Two Thousand and Twenty-Two*

*The City of Nashua ordains* that Part II “General Legislation”, Chapter 320 “Vehicles and Traffic”, Article IV “Turning Movements”, Section 320-16 “Right turn on red prohibited”, of the Nashua Revised Ordinances, as amended, be hereby further amended by adding the new underlined language as shown:

**“§ 320-16. Right turn on red prohibited.**

It shall be unlawful for a vehicle to proceed to make a right turn on a red traffic light indication at the following intersections, and authority is hereby granted for the erection of signs so indicating:

<b>Name of Street</b>	<b>Hours</b>	<b>Location</b>
<u>Adventure Way</u>	<u>All</u>	<u>Onto Daniel Webster Highway northbound”</u>

All ordinances or parts of ordinances inconsistent herewith are hereby repealed.

This ordinance shall become effective at the time of removal and installation of the appropriate sign(s).

**LEGISLATIVE YEAR 2022**

**ORDINANCE:**

O-22-004

**PURPOSE:**

Prohibiting a right turn on red from Adventure Way onto Daniel Webster Highway

**ENDORSERS:**

Alderman Derek Thibeault  
Alderman Patricia Klee  
Alderman-at-Large Melbourne Moran, Jr.  
Alderman-at-Large Ben Clemons  
Alderman Richard A. Dowd  
Alderwoman-at-Large Gloria Timmons

**COMMITTEE  
ASSIGNMENT:**

Committee on Infrastructure

**FISCAL NOTE:**

Materials, Labor and Vehicle Overhead: \$166

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**ANALYSIS**

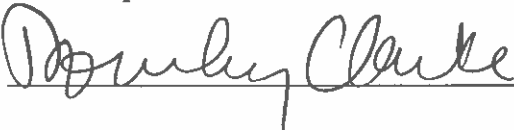
This legislation prohibits right turns on red for motorists turning from Adventure Way onto Daniel Webster Highway northbound. The traffic engineer notes a lack of available sight distance for safe entry, and the magnitude of u-turns from Daniel Webster Highway southbound to Daniel Webster Highway northbound, which are in direct conflict with these right turns.

The erection, removal and maintenance of all traffic control devices must conform to applicable state statutes and the latest edition of the manual on Uniform Traffic Control Devices. RSA 47:17 VIII (a). The Board should consult with the City Traffic Engineer to determine if this ordinance is in compliance.

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**Approved as to form:**

**Office of Corporation Counsel**

By: 

Date: 1 February 2022