# OBSERVATION DECK & ENHANCEMENTS 33 STANIFORD STREET NEWTON, MASSACHUSETTS

(Middlesex County)

# **APPLICANT**

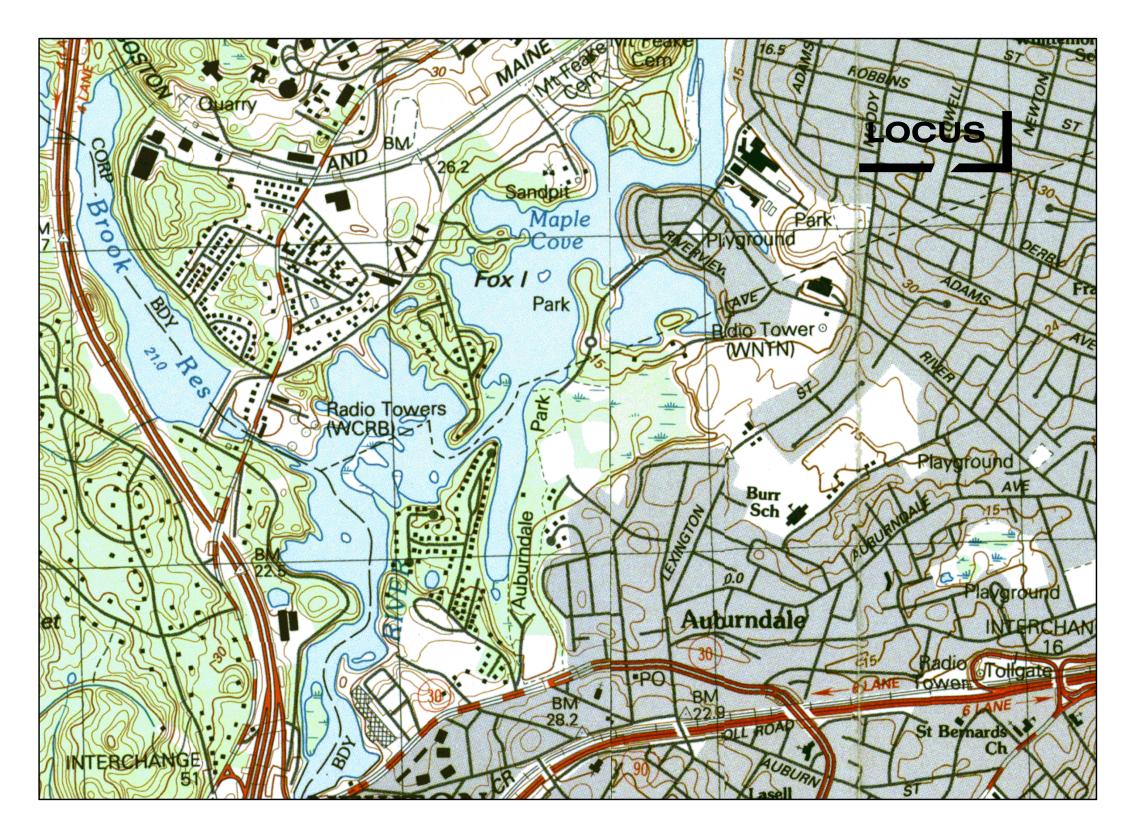
Zaid Ashai & Sarah Rahman 33 Staniford Street Newton, Massachusetts 02466

# LAND SURVEYOR

Peter Nolan & Associates, LLC 697 Cambridge Street, Suite 103 Brighton, MA 02135

# CIVIL ENGINEER AND WETLANDS SPECIALIST

Beals and Thomas, Inc.
Reservoir Corporate Center
144 Turnpike Road
Southborough, Massachusetts 01772



**Locus Map Scale: 1" = 1000'** 



Permit Plan Set - SEPTEMBER 21, 2020 Revised Per City Comments - OCTOBER 7, 2020 Amended OOC - MARCH 17, 2021

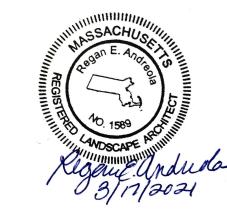
# SHEET INDEX

**Cover Sheet** 

1 Plot Plan of Land (Peter Nolan & Associates, LLC)

C-1.0 Site Plan

C-1.1 Bufferzone Enhancement Plan



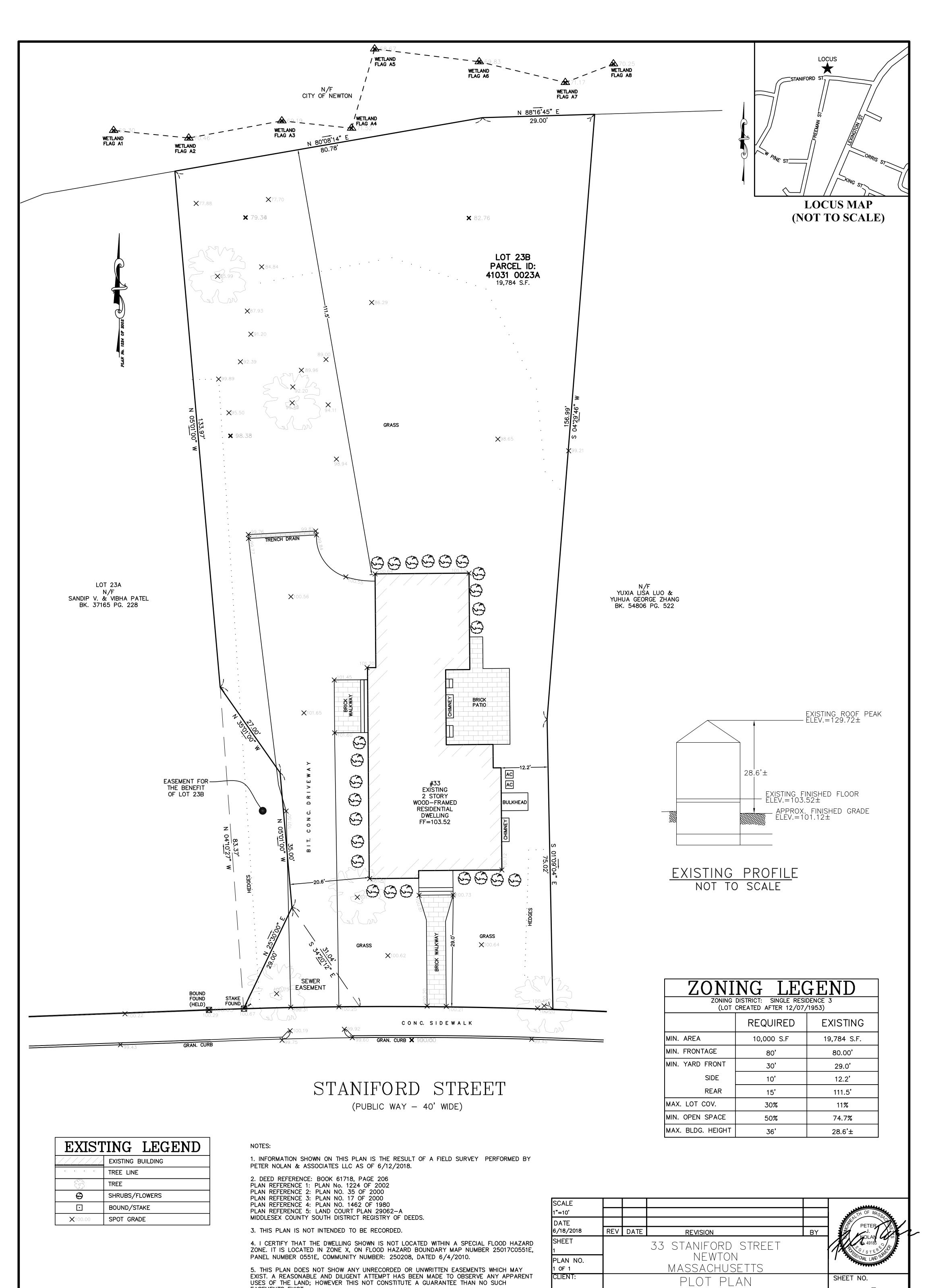


FOR PERMITTING ONLY

Job No.: 3232.01

Plan No.: 323200P001C-001

Sheet 1 of 4



OF LAND

PETER NOLAN & ASSOCIATES LLC

LAND SURVEYORS/CIVIL ENGINEERING CONSULTANTS

697 CAMBRIDGE STREET, SUITE 103 BRIGHTON MA 02135

PHONE: 857 891 7478/617 782 1533 FAX: 617 202 5691

EMAIL: pnolan@pnasurveyors.com

DRAWN BY

CHKD BY

APPD BY

MGC

PJN

EASEMENTS EXIST.

6. FIRST FLOOR ELEVATIONS ARE TAKEN AT THRESHOLD.

8. THE ELEVATIONS SHOWN ARE ON AN ASSUMED DATUM.

7. NO RESPONSIBILITY IS TAKEN FOR ZONING TABLE AS PETER NOLAN & ASSOCIATES LLC ARE NOT ZONING EXPERTS. TABLE IS TAKEN FROM TABLE PROVIDED BY LOCAL ZONING

ORDINANCE. CLIENT AND/OR ARCHITECT TO VERIFY THE ACCURACY OF ZONING ANALYSIS.

GRAPHIC SCALE

( IN FEET )

1 inch = 10 ft.

### **GENERAL NOTES**

- THE CONTRACTOR SHALL MAKE ALL NECESSARY CONSTRUCTION NOTIFICATIONS AND APPLY FOR AND OBTAIN ALL NECESSARY CONSTRUCTION PERMITS. THE CONTRACTOR SHALL ALSO PAY ALL FEES AND POST ALL BONDS ASSOCIATED WITH THE SAME, AND COORDINATE WITH THE ENGINEER AND ARCHITECT AS REQUIRED.
- CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AND ALL CONSTRUCTION MEANS AND METHODS.
- LIMIT OF WORK SHALL BE THE SEDIMENTATION CONTROL BARRIERS, LIMIT OF GRADING AND SITE PROPERTY LINES AND/OR AS INDICATED ON DRAWINGS.
- CONTRACTOR TO VERIFY UTILITY STUB LOCATIONS AND ELEVATIONS IN THE FIELD PRIOR TO COMMENCING WORK.
- ANY ALTERATION TO THESE DRAWINGS MADE IN THE FIELD DURING CONSTRUCTION SHALL BE RECORDED BY THE CONTRACTOR ON RECORD DOCUMENTS.
- ANY AREA OUTSIDE THE LIMIT OF WORK THAT IS DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO COST TO OWNER.
- EXISTING TREES AND SHRUBS OUTSIDE THE LIMIT OF WORK SHALL BE REMOVED ONLY UPON PRIOR APPROVAL OF THE OWNER.

### EROSION CONTROL AND SEDIMENTATION NOTES

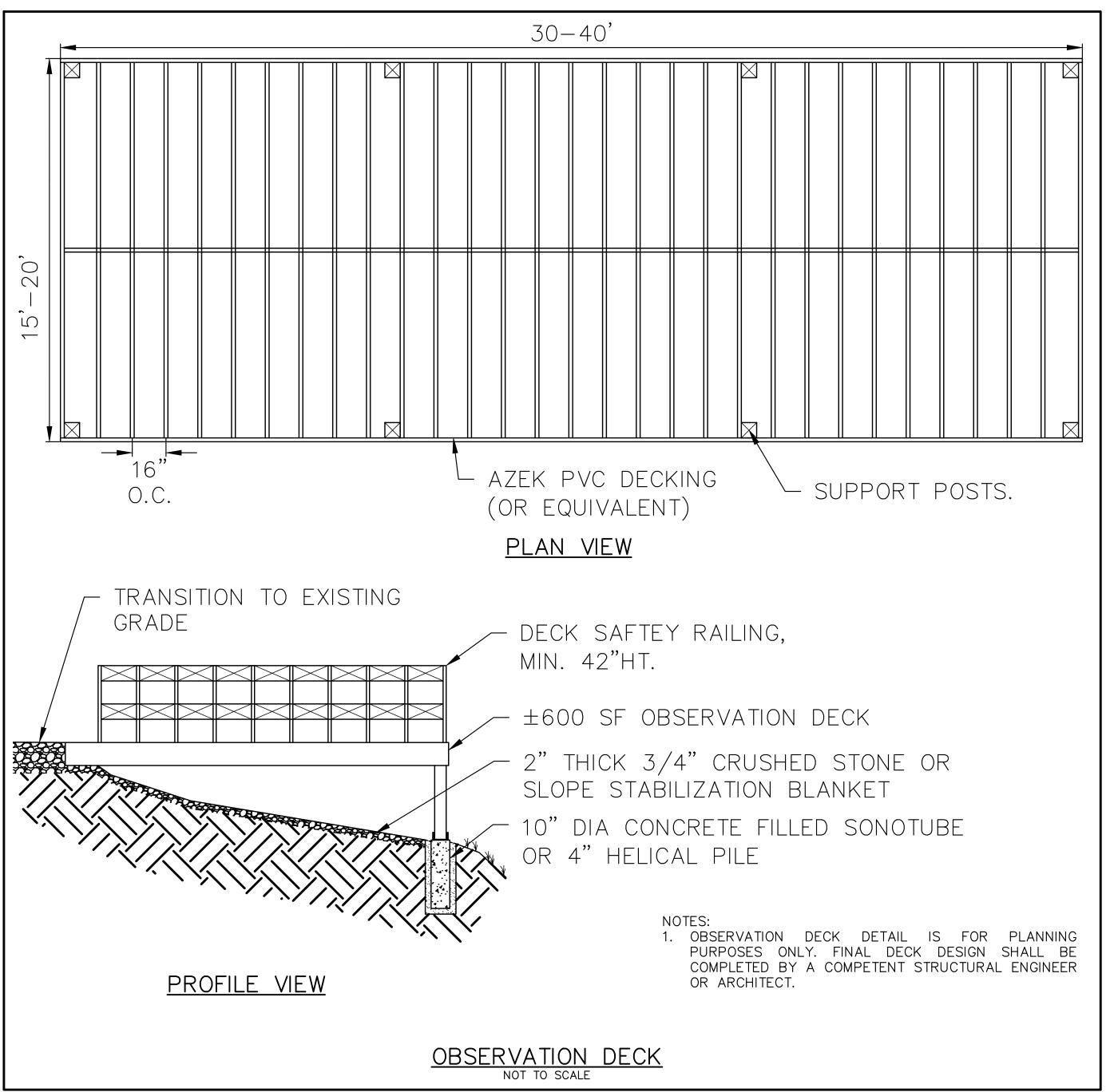
- . A SEDIMENTATION CONTROL BARRIER SHALL BE INSTALLED ALONG THE EDGE OF PROPOSED DEVELOPMENT AS INDICATED IN THE PLAN PRIOR TO THE COMMENCEMENT OF DEMOLITION OR CONSTRUCTION OPERATIONS.
- CONTRACTOR SHALL MAINTAIN ALL EROSION AND SEDIMENTATION CONTROL MEASURES DURING ENTIRE CONSTRUCTION PERIOD.
- ANY SEDIMENT TRACKED ONTO PUBLIC RIGHT-OF-WAYS SHALL BE SWEPT AT THE END OF EACH WORKING DAY.
- ALL DEBRIS GENERATED DURING SITE PREPARATION ACTIVITIES SHALL BE LEGALLY DISPOSED OF OFF SITE.
- . SITE ELEMENTS TO REMAIN MUST BE PROTECTED FOR DURATION OF PROJECT.
- ADDITIONAL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE IMPLEMENTED AS CONDITIONS WARRANT OR AS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE.
- SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSPECTED AND MAINTAINED ON A DAILY BASIS DURING CONSTRUCTION.
- . EXTREME CARE SHALL BE EXERCISED SO AS TO PREVENT ANY UNSUITABLE MATERIAL FROM ENTERING THE WETLANDS.
- ADDITIONAL SEDIMENTATION CONTROL BARRIERS SHALL BE LOCATED AS CONDITIONS WARRANT OR AS DIRECTED BY THE OWNER OR THEIR REPRESENTATIVE.

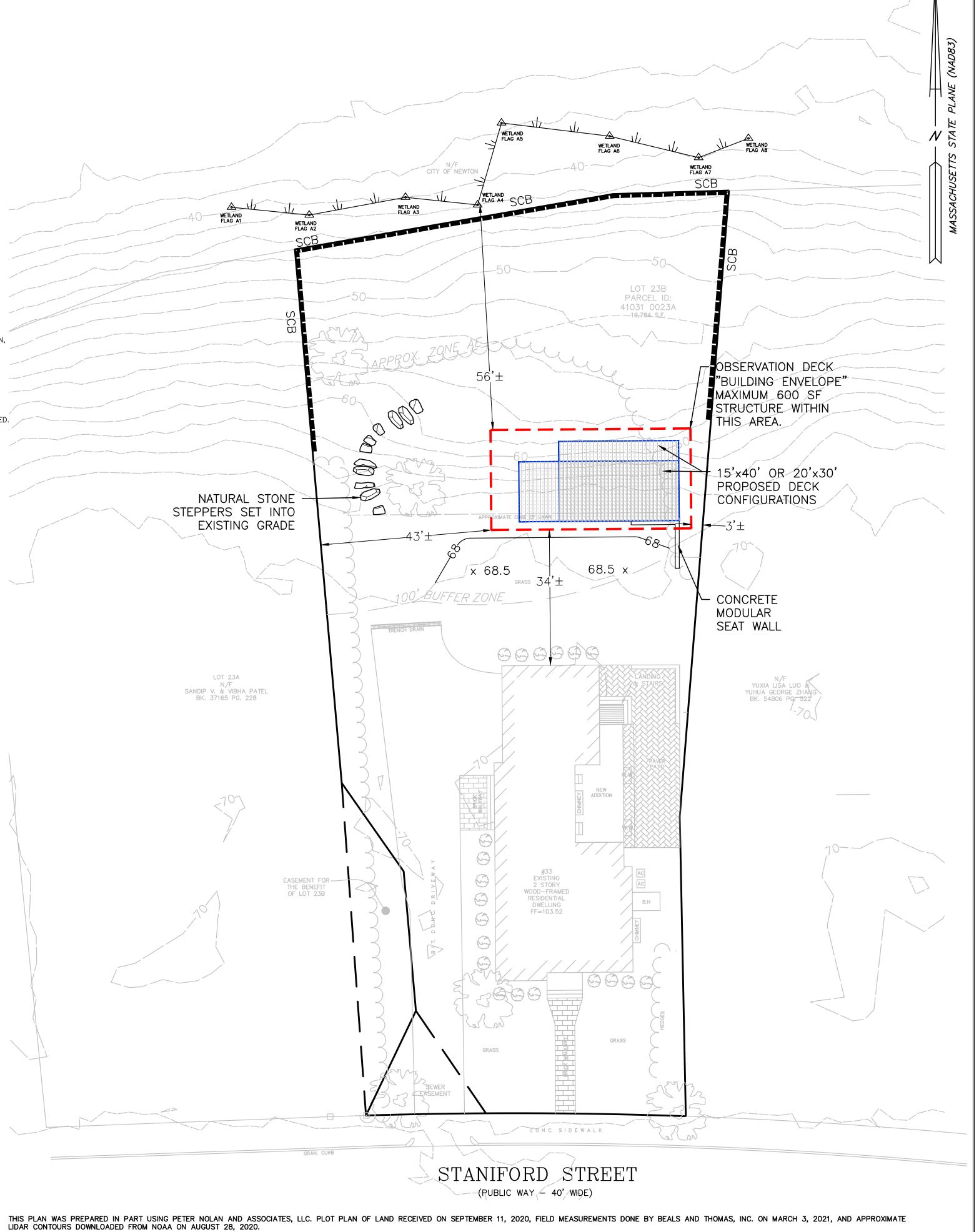
### LAYOUT AND MATERIALS NOTES

- ALL LINES AND DIMENSIONS ARE PARALLEL OR PERPENDICULAR TO THE LINES FROM WHICH THEY ARE MEASURED UNLESS OTHERWISE INDICATED.
- CONTRACTOR SHALL REPORT SIGNIFICANT CONFLICTS TO THE OWNER AND THE ENGINEER FOR RESOLUTION.
- . PROTECT EXISTING PROPERTY MONUMENTS AND ABUTTING PROPERTIES DURING CONSTRUCTION.

### GRADING, DRAINAGE AND UTILITY NOTES

- THE CONTRACTOR SHALL VERIFY EXISTING GRADES IN THE FIELD AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE ENGINEER. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED TO THE OWNER AND ENGINEER FOR RESOLUTION.
- THE CONTRACTOR SHALL REMOVE ALL EROSION AND SEDIMENTATION CONTROL BARRIERS AFTER REVEGETATION OF DISTURBED AREAS AND AFTER APPROVAL OF THE CONSERVATION COMMISSION AND WETLAND SPECIALIST.
- WETLANDS ARE TO REMAIN UNDISTURBED. NO ENCROACHMENT PERMITTED.
- EXCAVATION REQUIRED WITHIN THE PROXIMITY OF EXISTING UTILITY LINES SHALL BE DONE BY HAND. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING UTILITY LINES OR STRUCTURES INCURRED DURING CONSTRUCTION
- UNLESS OTHERWISE INDICATED, ABANDONED EXISTING UTILITY LINES SHALL BE CAPPED AND ABANDONED IN PLACE UNLESS THEY CONFLICT WITH PROPOSED IMPROVEMENTS. CAP REMAINING PORTIONS WHERE PARTIALLY REMOVED.

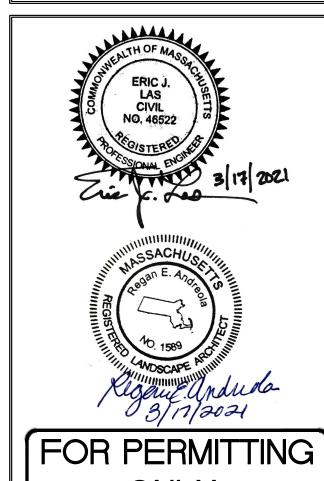




PREPARED FOR:

## ZAID ASHAI & SARAH RAHMAN

33 STANIFORD STREET NEWTON, MASSACHUSETTS



PREPARED BY:

BEALS + THOMAS

Civil Engineers | Landscape Architects |

Land Surveyors | Planners |

Environmental Specialists

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BEALS AND THOMAS, INC. Reservoir Corporate Center 144 Turnpike Road Southborough, Massachusetts 01772-2104 T 508.366.0560 | www.bealsandthomas.com

5						
4						
3						
2	03/17/2021		REVISED FOR AMENDED OOC			
1	10/07/2020		REVISED PER CITY COMMENTS			
0 09/21/2020		INITIAL ISSUE				
ISSUE DATE			DESCRIPTION			
NPS		NPS	$\mathrm{EJL}$	EJL		
DES		DWN	CHK'D	APP'D		

**OBSERVATION** DECK & **ENHANCEMENTS** 

NEWTON, MASSACHUSETTS

SCALE: 1" = 15' DATE: SEPTEMBER 21, 2020

SITE PLAN

B+T JOB NO. 3232.00

323200P001C-002

B+T PLAN NO.

C1.0

BEALS AND THOMAS, INC. SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, OR PROCEDURES UTILIZED BY THE CONTRACTOR, NOR FOR THE SAFETY OF PUBLIC OR CONTRACTORS EMPLOYEES; OR FOR THE FAILURE OF THE CONTRACTOR TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

NO PART OF THIS DOCUMENT MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC, MECHANICAL, PHOTOCOPYING, RECORDING OR OTHERWISE WITHOUT THE PRIOR WRITTEN PERMISSION OF BEALS AND THOMAS, INC. EXCEPT THAT ANY REGULATORY AUTHORITY MAY REPRODUCE AND TRANSMIT COPIES AS REQUIRED IN CONJUNCTION WITH PERFORMANCE OF OFFICIAL BUSINESS UNDER ITS JURISDICTION. ANY MODIFICATIONS TO THIS DOCUMENT WITHOUT THE WRITTEN PERMISSION OF BEALS AND THOMAS, INC. SHALL RENDER IT INVALID AND UNUSABLE.

THIS DRAWING IS NOT INTENDED FOR CONSTRUCTION UNTIL ISSUED FOR CONSTRUCTION BY BEALS AND THOMAS, INC.

### GENERAL NOTES

- 1. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AND ALL CONSTRUCTION MEANS AND METHODS.
- 2. SOIL COMPACTION BY HEAVY MACHINERY SHOULD BE AVOIDED. WHERE SOILS HAVE BEEN COMPACTED BY HEAVY MACHINERY, DISKING WILL BE UNDERTAKEN TO LOOSEN THE SOIL SURFACE.

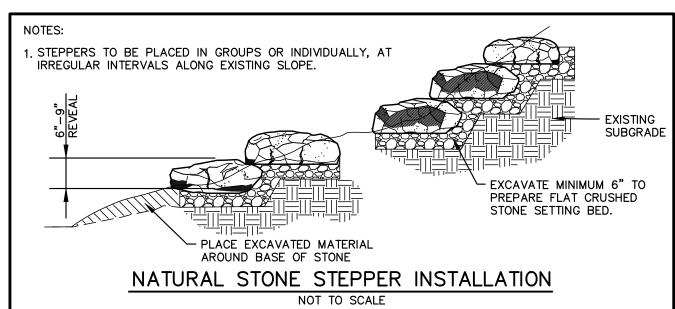
### WETLAND BUFFER ZONE ENHANCEMENT NOTES:

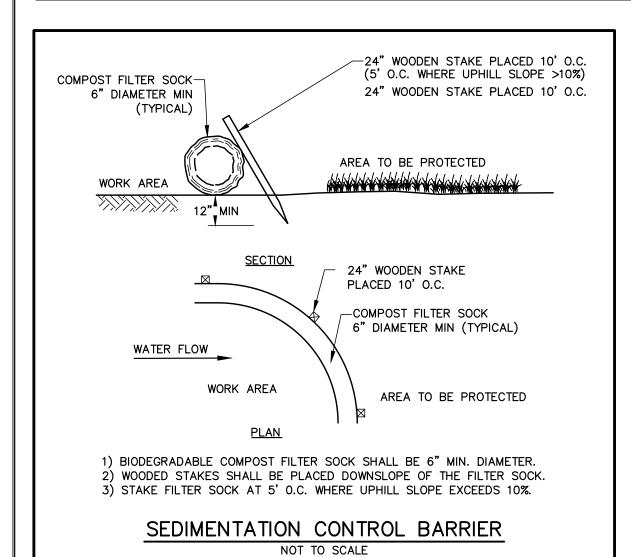
- 3. PRIOR TO COMMENCEMENT, A PRE-CONSTRUCTION MEETING SHALL BE HELD WITH THE CONTRACTOR, THE WETLAND SPECIALIST, AND THE NEWTON CONSERVATION COMMISSION AND/OR ITS AGENT.
- 4. BUFFER ZONE ENHANCEMENT ACTIVITIES SHALL BE PERFORMED UNDER THE DIRECTION OF THE WETLAND SPECIALIST AND IN ACCORDANCE WITH THE ORDER OF CONDITIONS.
- 5. PRIOR TO THE START OF WORK, THE CONTRACTOR SHALL REMOVE REMNANT SILTATION FENCING AND OTHER RUBBISH ALONG THE TOE OF SLOPE AND WITHIN THE BUFFER ZONE ENHANCEMENT AREA. ALL DISTURBED SOILS SHALL BE HAND RAKED AND LOOSE STRAW SHALL BE APPLIED TO STABILIZE THE SOILS. REMNANT CHAIN LINK FENCE TO BE REMOVED. MATERIAL REMOVED FROM BUFFER ZONE SHALL BE DISPOSED OF OFF-SITE.
- JAPANESE KNOTWEED SHOOTS AND OTHER INVASIVE SPECIES ENCOUNTERED DURING SITE PREPARATION SHALL BE PULLED BY HAND AND/OR CUT WITHIN THE BUFFER ZONE ENHANCEMENT AREA. ALL KNOTWEED REMOVED SHALL BE BAGGED AND DISPOSED OF OFF-SITE. TARGETED FOLIAR HERBICIDE TREATMENT SHALL BE APPLIED TO THE REMNANT KNOW WEED SPECIMENS DURING THE FIRST 3 YEARS OF THE RESTORATION EFFORT. ALL FOLIAR APPLICATIONS SHALL BE PERFORMED BY A LICENSED HERBICIDE APPLICATOR AND IN CONFORMANCE WITH THE CITY OF NEWTON CONSERVATION COMMISSION'S INVASIVE PLANT CONTROL POLICY (ADOPTED 09/18/2014).
- 7. BLACK TARPS SHALL BE STAKED IN THE AREA PREVIOUSLY COVERED BY KNOTWEED TO SUPPRESS GROWTH. THE TARPS SHALL REMAIN IN PLACE UNTIL THE REQUIRED TIMELINE FOR NEW PLANT SURVIVAL HAS BEEN ACHIEVED.
- 8. BUFFER ZONE ENHANCEMENT AREA SHALL BE SEEDED WITH ERNST CONSERVATION SHADE MIX (ERNMX-129) OR APPROVED EQUAL ALTERNATIVE. SEED SHALL BE SOWN PREFERABLY BETWEEN APRIL 1ST AND MAY 15TH OR BETWEEN SEPTEMBER 1ST AND OCTOBER 15TH.
- 9. DEVIATIONS FROM THE PLANTING SCHEDULE AND/OR APPROVED PLANTING LIST SHALL BE APPROVED IN ADVANCE BY THE CITY OF NEWTON CONSERVATION OFFICE.
- 10. ALL PLANT MATERIALS SHALL BE GUARANTEED FOR THREE CONSECUTIVE GROWING SEASONS.

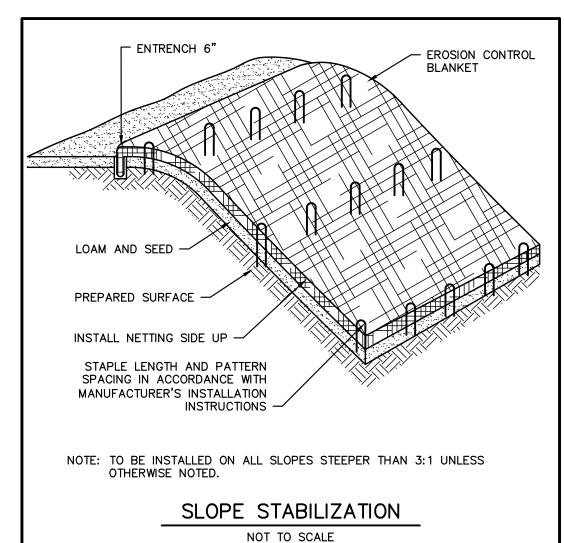
### EROSION CONTROL AND SEDIMENTATION NOTES

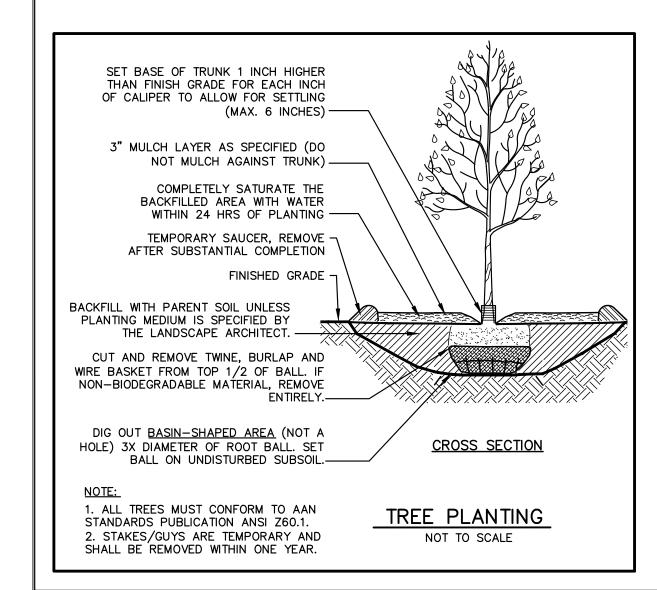
- 11. CONTRACTOR SHALL INSTALL THE SEDIMENTATION CONTROL BARRIER DOWNGRADIENT OF THE BUFFER ZONE ENHANCEMENT AREA PRIOR TO THE START OF CONSTRUCTION.
- 12. EROSION AND SEDIMENTATION CONTROL BARRIERS SHALL BE MONITORED AND MAINTAINED THROUGHOUT CONSTRUCTION AND AFTER SIGNIFICANT RAINFALLS UNTIL THE BUFFER ZONE ENHANCEMENT AREA BECOMES STABILIZED AND THEIR REMOVAL HAS BEEN AUTHORIZED IN WRITING BY THE CONSERVATION COMMISSION, DILAPIDATED EROSION AND SEDIMENTATION CONTROL BARRIERS SHALL BE REPLACED AS REQUIRED TO MAINTAIN THE INTEGRITY OF THE BARRIER. THE DEVICE AND STRUCTURES SHALL BE REMOVED AND PROPERLY DISPOSED OF NO LATER THAN NOVEMBER 1, THREE FULL GROWING SEASONS AFTER PLANTING. SEDIMENT COLLECTED BY THESE DEVICES SHALL BE REMOVED AND PLACED UPLAND IN A MANNER THAT PREVENTS ITS EROSION AND TRANSPORT TO A WATERWAY OR WETLAND.
- 13. ADDITIONAL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE IMPLEMENTED AS CONDITIONS WARRANT OR AS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE.
- 14. SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSPECTED AND MAINTAINED ON A DAILY BASIS DURING CONSTRUCTION.
- 15. CLEAN AND MAINTAIN SEDIMENTATION CONTROL BARRIER AS REQUIRED DURING CONSTRUCTION OPERATIONS TO ENSURE ITS CONTINUED FUNCTIONALITY.
- 16. THE CONTRACTOR SHALL REMOVE ALL EROSION AND SEDIMENTATION CONTROL BARRIERS AFTER REVEGETATION OF DISTURBED AREAS AND AFTER APPROVAL OF THE CONSERVATION COMMISSION AND WETLAND SPECIALIST.

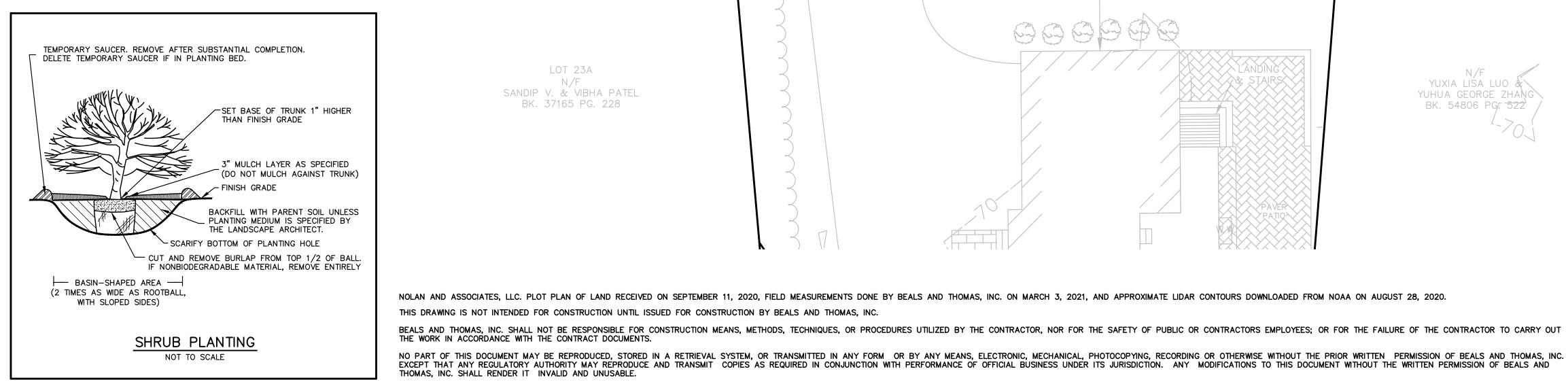
BUFFER ZONE ENHANCEMENT PLANTING SCHEDULE							
KEY	QTY	BOTANICAL NAME	COMMON NAME	SPACING	SIZE		
PS	4	PINUS STROBUS	WHITE PINE	AS SHOWN	4-5'		
AC	4	AMELANCHIER CANADENSIS	SHADBUSH	AS SHOWN	4-5'		
VC	8	VACCINIUM CORYMBOSUM	HIGHBUSH BLUEBERRY	AS SHOWN	3–4'		
IV	14	ILEX VERTICILLATA	WINTERBERRY	AS SHOWN	3–4'		
PS	8	HAMAMELIS VIRGINIANA	WITCH HAZEL	AS SHOWN	4–5'		
	150	POLYSTICHUM ACROSTICHOIDES	CHRISTMAS FERN	18-24" O.C.	1 GAL.		
SEED MIX		ERNMX-129: 30% CREEPING RED FESCUE, 30% FESCUE, 20% ANNUAL RYEGRASS BLUEGRASS, 'BARON,' 10% ROUG	APPLICATION RATE: 3-5 LBS/1000 SF 100-200 LBS/AC				

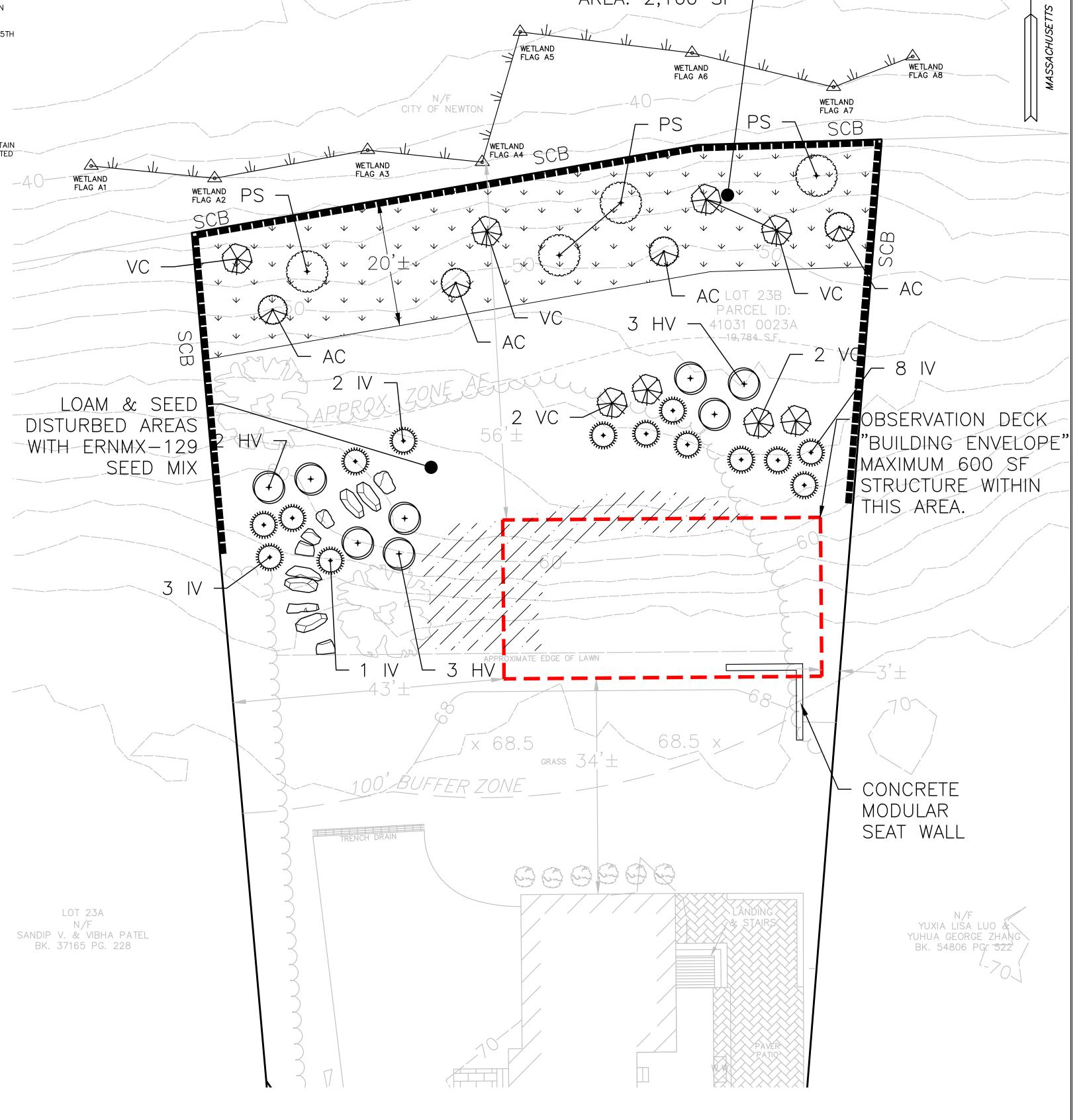












NOLAN AND ASSOCIATES, LLC. PLOT PLAN OF LAND RECEIVED ON SEPTEMBER 11, 2020, FIELD MEASUREMENTS DONE BY BEALS AND THOMAS, INC. ON MARCH 3, 2021, AND APPROXIMATE LIDAR CONTOURS DOWNLOADED FROM NOAA ON AUGUST 28, 2020.

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THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

THOMAS, INC. SHALL RENDER IT INVALID AND UNUSABLE.

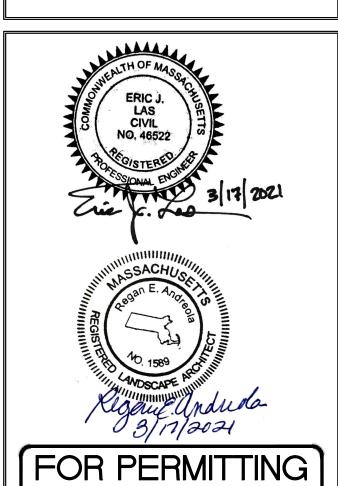
BUFFER ZONE

ENHANCEMEN<sup>T</sup>

PREPARED FOR:

ZAID ASHAI & SARAH RAHMAN

> 33 STANIFORD STREET NEWTON, MASSACHUSETTS



PREPARED BY:

BEALS+THOMAS Civil Engineers | Landscape Architects | Land Surveyors | Planners | Environmental Specialists

ONLY

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2 03/17/2021 REVISED FOR AMENDED OOC 1 10/07/2020 REVISED PER CITY COMMENTS 0 09/21/2020 INITIAL ISSUE ISSUE DATE DESCRIPTION NPS | EJL DWN | CHK'D | APP'D DES

PROJECT: **OBSERVATION** DECK &

**ENHANCEMENTS** NEWTON, MASSACHUSETTS

SCALE: 1" = 10' DATE: SEPTEMBER 21, 2020

**BUFFER ZONE** 

ENHANCEMENT PLAN B+T JOB NO. 3232.00

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