

OWNER/APPLICANT:
BETH ISRAEL LAHEY HEALTH
ANNA JAQUES HOSPITAL
25 HIGHLAND AVENUE
NEWBURYPORT, MA 01950

ARCHITECT:
JACA ARCHITECTS
9 BILLINGS ROAD
NORTH QUINCY, MA 02171

CIVIL ENGINEER:
ALLEN & MAJOR ASSOCIATES, INC.
100 COMMERCE WAY
SUITE 5
WOBURN, MA 01801

LANDSCAPE ARCHITECT:
ALLEN & MAJOR ASSOCIATES, INC.
100 COMMERCE WAY
SUITE 5
WOBURN, MA 01801

LAND SURVEYOR:
ALLEN & MAJOR ASSOCIATES, INC.
100 COMMERCE WAY
SUITE 5
WOBURN, MA 01801

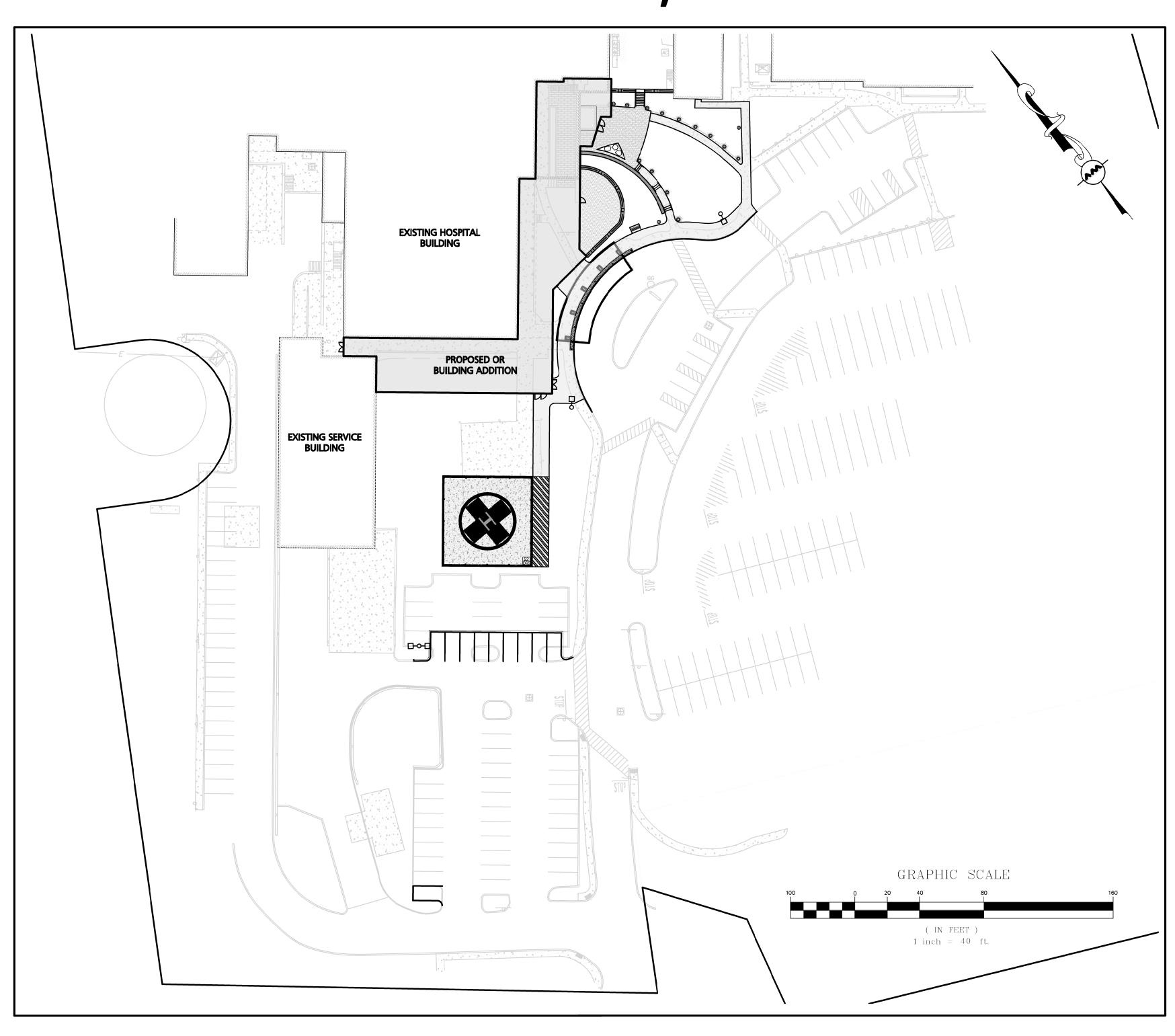
STRUCTURAL ENGINEER
SCHLICK ENGINEERING, LLC
10 MAIN STREET
LAKEVILLE, MA 02347

MEP/FP ENGINEER:
R.W. SULLIVAN ENGINEERING
529 MAIN STREET, SUITE 203
BOSTON, MA 02129

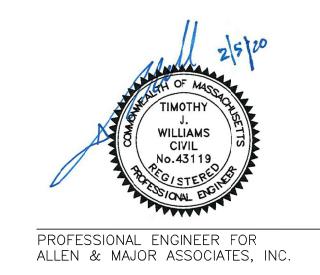
SITE DEVELOPMENT PLANS FOR

OR BUILDING EXPANSION ANNA JAQUES HOSPITAL

25 HIGHLAND AVENUE NEWBURYPORT, MA 01950



LIST OF DRAWINGS			
DRAWING TITLE	SHEET NO.	ISSUED	LAST REVISED
EXISTING CONDITIONS PLAN	V-101	11-25-19	02-05-20
ABBREVIATIONS & NOTES	C-001	11-25-19	01-08-20
ABBREVIATIONS & NOTES	C-002	11-25-19	01-08-20
SITE PREPARATION AND DEMOLITION PLAN	C-101	11-25-19	02-05-20
LAYOUT & MATERIAL PLAN	C-102	11-25-19	01-08-20
GRADING & DRAINAGE PLAN	C-103	11-25-19	01-08-20
DETAILS	C-501	11-25-19	01-08-20
DETAILS	C-502	11-25-19	01-08-20
DETAILS	C-503	-	01-08-20
LANDSCAPE PLAN	L-101	11-25-19	01-08-20
LANDSCAPE DETAILS	L-201	11-25-19	01-08-20



RE-ISSUED FOR SITE PLAN REVIEW & SPECIAL PERMIT: FEBRUARY 5, 2020

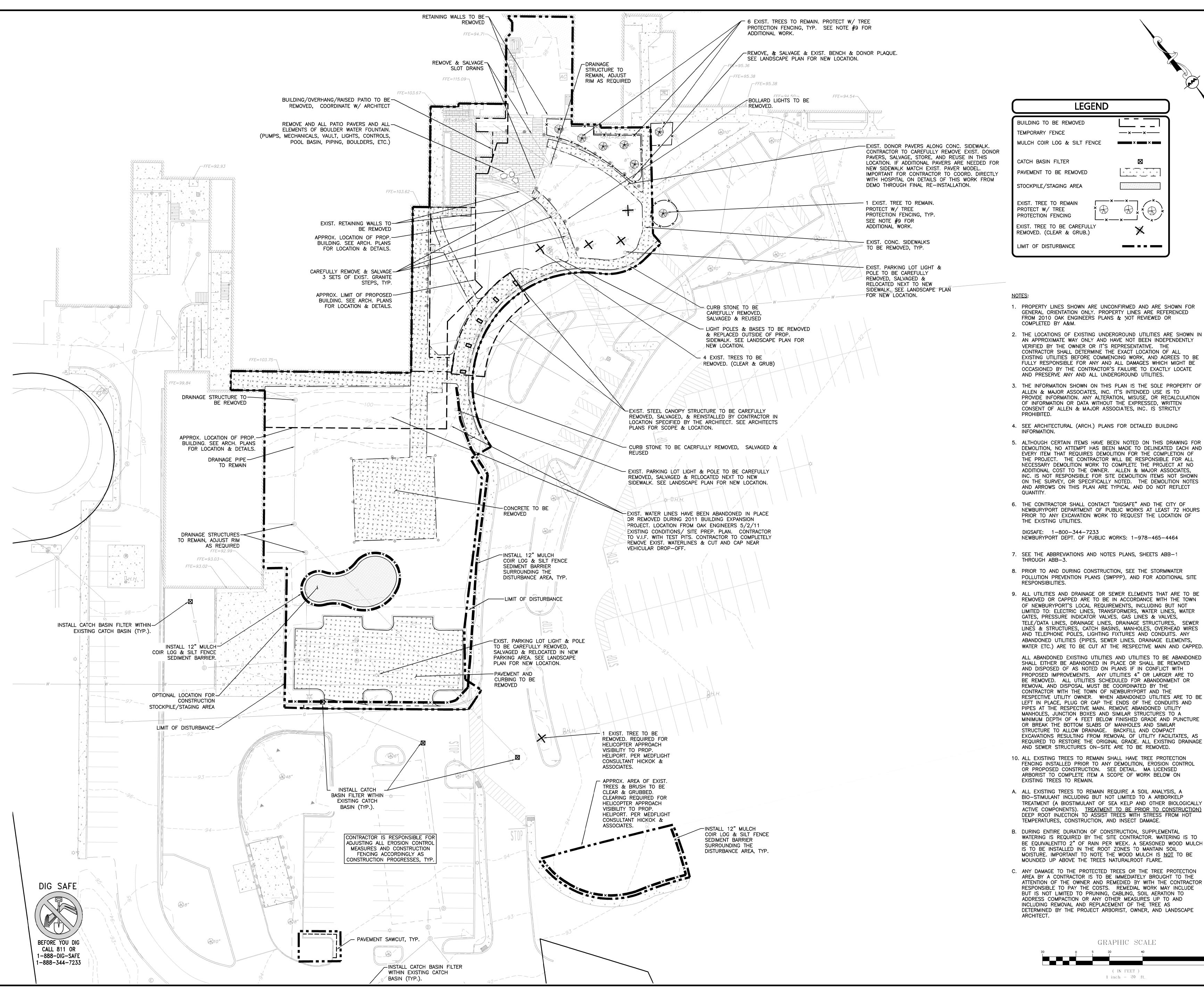
ISSUED FOR SITE PLAN REVIEW & SPECIAL PERMIT: JANUARY 8, 2020 ISSUED FOR LOCAL PERMITTING: NOVEMBER 25, 2019

 $N:\PROJECTS\2699-01\CIVIL\DRAWINGS\CURRENT\C-2699-01_COVER.DWG$



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PREPARED BY:



Beth Israel Lahey Health Anna Jaques Hospital

Anna Jaques Hospital

OR Building Expansion

25 Highland Ave, Newburyport, MA 01950

9 Billings Road North Quincy, MA 02171 Tel. 617 . 769 . 6300 Fax. 617.769.6399

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Consultants

MEP/FP ENGINEEF

R.W. Sullivan Engineerin 529 Main St. Suite 203 Boston, MA 02129 Tel. 617.523.8227

LAND SURVEY LANDSCAPE ARCHITECT ALLEN & MAJOR & CIVIL ENGINEER Allen & Major Associates, Inc. 100 Commerce Way, Suite 5

Tel. 781.935.6889

STRUCTURAL ENGINEER Schlick Engineering, LLC. 10 Main Street Lakeville, MA 02347

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AM/ SM/ RB/ TJW RB/ TJW drawing checked by: A&M project number: 2699-01

ISSUED FOR LOCAL PERMITTING 11-25-19 ISSUED FOR SITE PLAN REVIEW 01-08-20 AND SPECIAL PERMIT REVISED & RE-SUBMITTED FOR | 02-05-20 SITE PLAN REVIEW & SPECIAL PERMIT PER CITY REQUEST

ARBORIST TO COMPLETE ITEM A SCOPE OF WORK BELOW ON Stamp A. ALL EXISTING TREES TO REMAIN REQUIRE A SOIL ANALYSIS, A BIO-STIMULANT INCLUDING BUT NOT LIMITED TO A ARBORKELP TREATMENT (A BIOSTIMULANT OF SEA KELP AND OTHER BIOLOGICALLY ACTIVE COMPONENTS). TREATMENT TO BE PRIOR TO CONSTRUCTION) DEEP ROOT INJECTION TO ASSIST TREES WITH STRESS FROM HOT

B. DURING ENTIRE DURATION OF CONSTRUCTION, SUPPLEMENTAL WATERING IS REQUIRED BY THE SITE CONTRACTOR. WATERING IS TO BE EQUIVALENTTO 2" OF RAIN PER WEEK. A SEASONED WOOD MULCH IS TO BE INSTALLED IN THE ROOT ZONES TO MANTAIN SOIL MOISTURE. IMPORTANT TO NOTE THE WOOD MULCH IS NOT TO BE MOUNDED UP ABOVE THE TREES NATURALROOT FLARE.

C. ANY DAMAGE TO THE PROTECTED TREES OR THE TREE PROTECTION AREA BY A CONTRACTOR IS TO BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND REMEDIED BY WITH THE CONTRACTOR RESPONSIBLE TO PAY THE COSTS. REMEDIAL WORK MAY INCLUDE BUT IS NOT LIMITED TO PRUNING, CABLING, SOIL AERATION TO ADDRESS COMPACTION OR ANY OTHER MEASURES UP TO AND INCLUDING REMOVAL AND REPLACEMENT OF THE TREE AS DETERMINED BY THE PROJECT ARBORIST, OWNER, AND LANDSCAPE

> GRAPHIC SCALE (IN FEET) 1 inch = 20 ft.

CIVIL No.43119

Drawing Title

SITE PREPARATION AND DEMOLITION

1" = 20'

Drawing Number:

JACA Project Number

190042

(NOT TO SCALE)

WE HEREBY CERTIFY THAT THIS PLAN IS THE

SURVEY PERFORMED ON OR BETWEEN MARCH

THE ABOVE IS CERTIFIED TO THE BEST OF

MY PROFESSIONAL KNOWLEDGE, INFORMATION

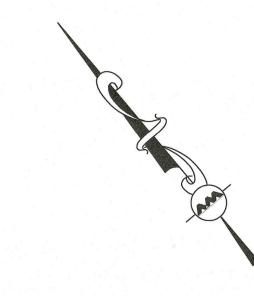
RESULT OF AN ACTUAL ON THE GROUND

12, 2019 AND NOVEMBER 11, 2019.

ALLEN & MAJOR ASSOCIATES, INC.

ALLEN & MAJOR ASSOCIATES, INC.

AND BELIEF.



LEGEND

DRAIN MANHOLE (DMH) SEWER MANHOLE (SMH) ELECTRIC MANHOLE (EMH) MISC. MANHOLE (MH) CATCH BASIN (CB) ROUND CATCH BASIN (RCB) **BOLLARD** LIGHT **FLOODLIGHT** PEDESTRIAN LIGHT TREE AREA DRAIN SIGN 0 SIGN 0_0 TRANSFORMER $\Box H.H.$ HAND HOLE AIR CONDITIONER CABLE BOX TELEPHONE BOX ELECTRIC BOX GAS METER ELECTRIC METER HANDICAPPED PARKING SPACE IRRIGATION CONTROL VALVE PARKING SPACE COUNT SPOT GRADE ×110.6 A A . . . CONCRETE LANDSCAPED AREA (LSA) BRICK/PAVER BUILDING

> drawing checked by: A&M project number:

Beth Israel Lahey Health

Anna Jaques Hospital

Anna Jaques Hospital

OR Building Expansion

25 Highland Ave, Newburyport, MA 01950

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10 Main Street

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LANDSCAPE ARCHITECT

Allen & Major Associates, Inc.

100 Commerce Way, Suite 5

STRUCTURAL ENGINEER

Schlick Engineering, LLC.

Consultants

ISSUED FOR LOCAL PERMITTING 11-25-19 ISSUED FOR SITE PLAN REVIEW 01-08-20 AND SPECIAL PERMIT DESIGN DEVELOPMENT 01-17-20

02-05-20 WATER LINES ADDED

Drawing Title

EXISTING CONDITIONS

1" = 30' Drawing Number:

JACA Project Number

-FFE=95.38 FFE=115.09-FFE=95.38 FFE=103.67-FFE=94.50-\ DMH RIM=92.30 NO PIPES VISIBLE SUMP=84.15 RCB RIM=94.55 INV(a)=90.70 FFE=103.62-DMH RIM=92.42 SUMP=81.22 INV(a)=89.85INV(b)=90.45 INV(c)=89.95 NO PIPES VISIBLE 4NV(d) = 90.15DMH RIM=99.09 RIM = 98.27 INV(a) = 90.37SUMP=80.09 INV(b)=91.77 T.O.B.=90.27 INV(a) = 88.64COLUMN -(TYPICAL) SMH RIM=98.55 INV(BC) = 88.05INV(a) = 93.66INV(a) = 92.55 $\frac{DMH}{RIM=99.72}$ INV(a)=92.67 SMH RIM=98.88 INV(b)=93.17 INV(c)=92.27 INV(d)=94.07 INV(e)=92.67INV(BC)=86.90 WATER LINE HAS BEEN -ABANDONED DURING 2011 EXPANSION PROJECT BASED ON RECORD INFORMATION 70 PROVIDED BY OWNER. FFE=99.84 WATER LINES HAVE BEEN ABANDONED DURING 2011 EXPANSION PROJECT RIM=100.71 INV(a) = 90.01BASED ON RECORD INV(b) = 90.06WATER TOWER SMH RIM=99.92 INV(BC)=86.04 RIM=97.43 INV(a) = 89.63INV(b) = 89.83INV(c) = 89.83RIM=98.43 UNABLE TO OPEN RIM=97.17 INV(a) = 90.77INV(b) = 90.87FFE=92.99-FFE=93.03-HELO-PAD LIGHT -FFE=93.02-\ (TYPICAL) SMH / RIM=99.47 INV(BC)=84.37 INV(a)=86.57 APPROX. LOCATION OF INFILTRATION SYSTEM RIM=89.21 T.O.B.=85.61 INV(a)=85.91 8" DI RIM=90.41 INV(a)=86.01 CB RIM=92.92 T.O.S.=90/62 INV(b)=86.41 RCB / RIM = 94.55 INV(a) = 89.50 INV(b) = 89.50RCB RIM=93.83 --- 93------INV(a) = 88.83APPROX. LOCATION OF INFILTRATION SYSTEM RIM=93.53 INV(a) = 87.38INV(b) = 89.58DMH RIM=93.42 INV(a) = 87.32INV(b) = 87.57RIM=93.31 INV(a)=87.61INV(b)=88.86 = INV(c) = 88.86INV(d)=88.81 CAR PARKED ON CB RIM=93.19 T.O.B.=88.89 RIM=91.56 INV(a) = 88.26

FFE=94.71-

FFE=103.88-\

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UTILITY STATEMENT

THE UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. ALLEN & MAJOR ASSOCIATES, INC. (A&M) MAKES NO GUARANTEE THAT THE UTILITIES SHOWN HEREON COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. A&M FURTHER DOES NOT WARRANT THAT THE UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED. A&M HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

BUILDING OVERHANG 1' CONTOUR --- 93 --- ---5' CONTOUR ___ 95 ___ PROPERTY LINE CONCRETE RETAINING WALL EDGE OF PAVEMENT ----EDGE OF BRICK ----**CURB** CHAIN LINK FENCE _____ x ____ STOCKADE FENCE _____ METAL RAILING ______ SEWER LINE DRAIN LINE GAS LINE

ELECTRIC LINE

ABANDONED WATER LINE

FINISHED FLOOR ELEVATION

REINFORCED CONCRETE PIPE

HIGH DENSITY POLYETHYLENE PIPE HDPE

POLYVINYL CHLORIDE PIPE CORRUGATED METAL PIPE

WATER LINE

BITUMINOUS

BOTTOM CENTER

CONCRETE

GRANITE

......E".....

FFE

CONC.

GRAN.

RCP

CMP

NOTES

1. NORTH ARROW IS BASED ON MASSACHUSETTS GRID COORDINATE SYSTEM (MAINLAND ZONE) (NAD 83). 2. VERTICAL DATUM IS NAVD 88.

3. CONTOUR INTERVAL IS ONE FOOT (1').

4. WATER LINE AND ABANDONED WATER LINE SHOWN HEREON HAVE BEEN SCALED FROM RECORD PLANS USED FOR THE 2011 EXPANSION PROJECT AS PREPARED BY SBA ARCHITECTS AND PROVIDED TO ALLEN & MAJOR ASSOCIATES, INC. BY THE CLIENT.

GRAPHIC SCALE (IN FEET) 1 inch = 30 ft.

190042